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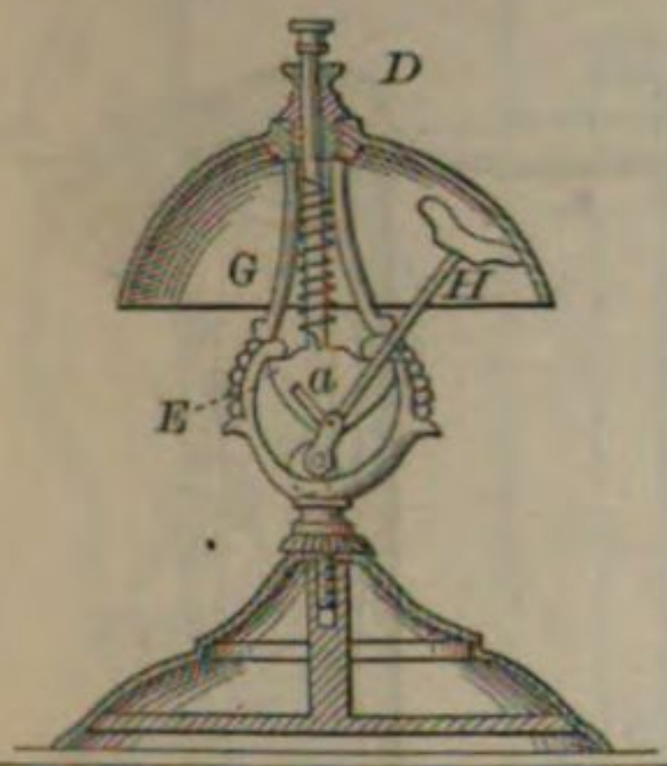
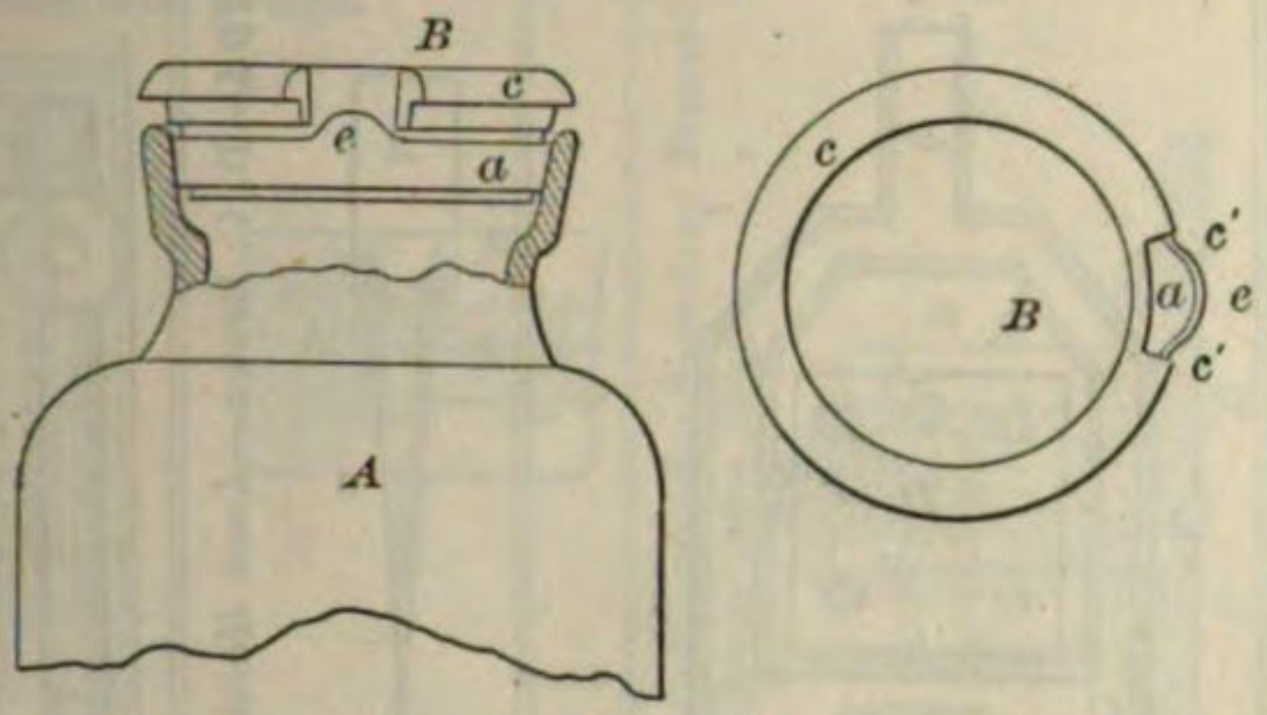
ILLUSTRATIONS.

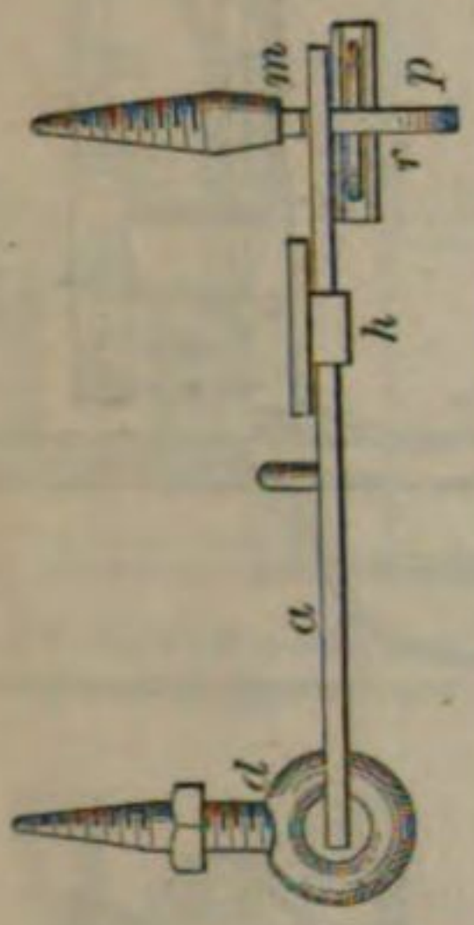
51784—H. H. Abbe—*Call Bell.*



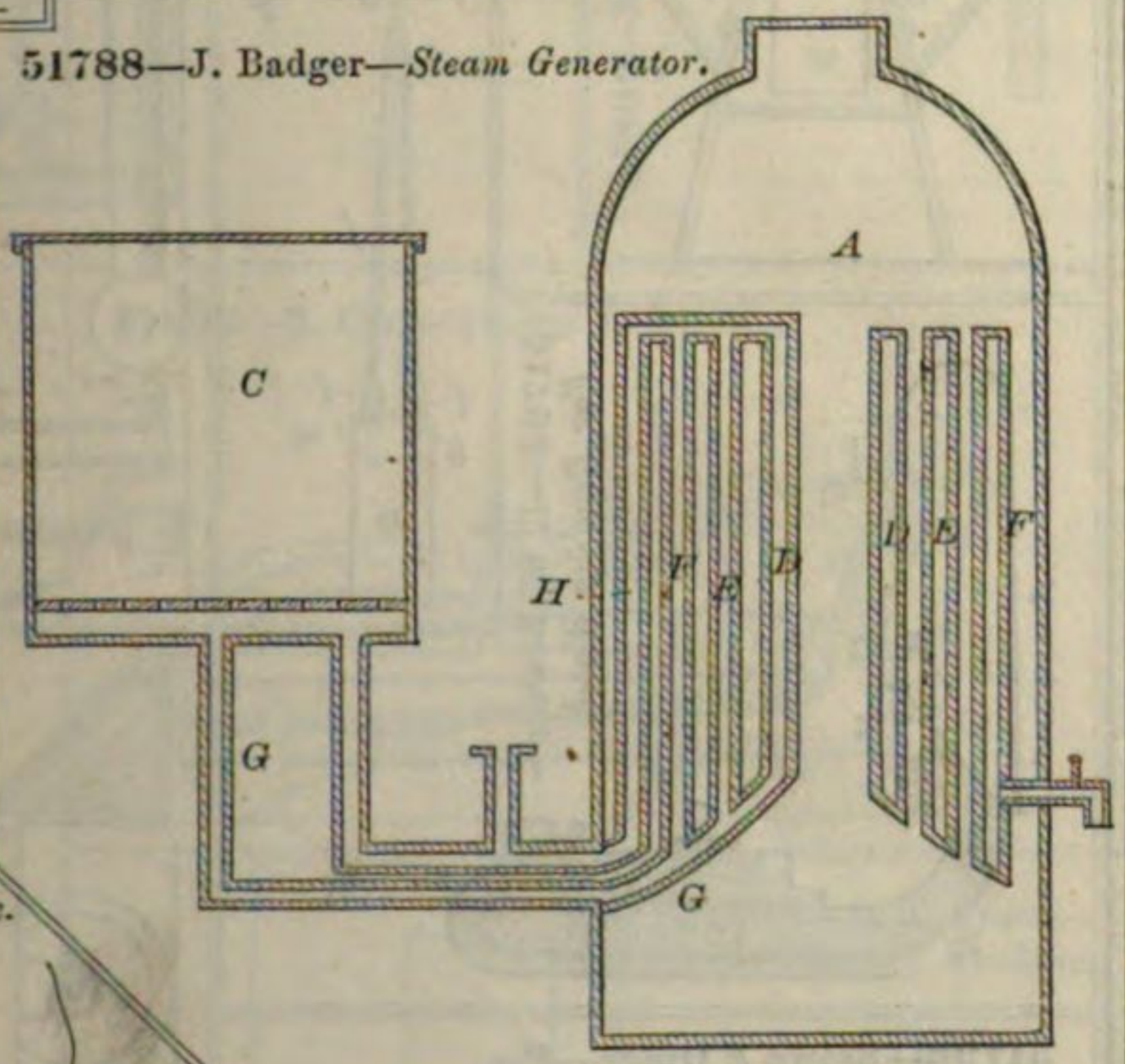
51785—J. Adams—*Preserve Jar.*



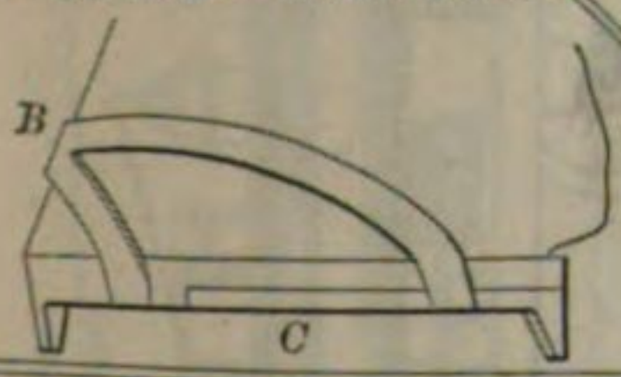
51787—H. N. Avery—*Latch Fastening.*



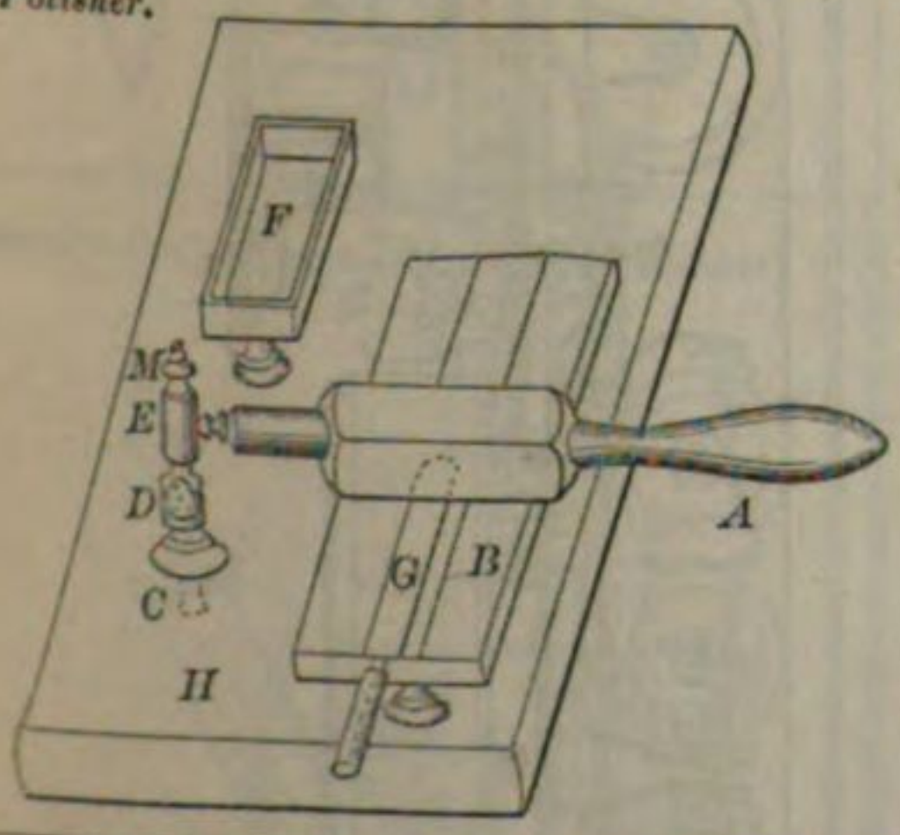
51788—J. Badger—*Steam Generator.*



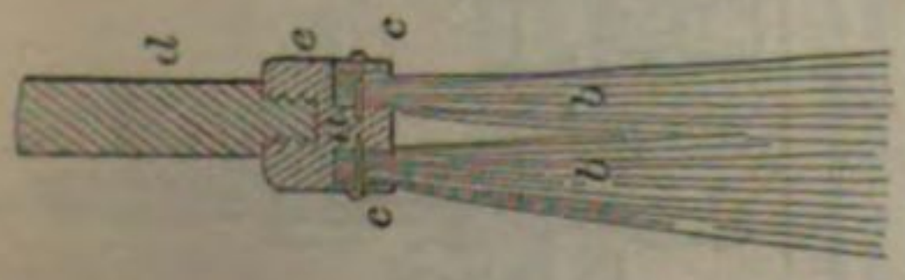
51786—J. Austin—*Horse Shoe.*



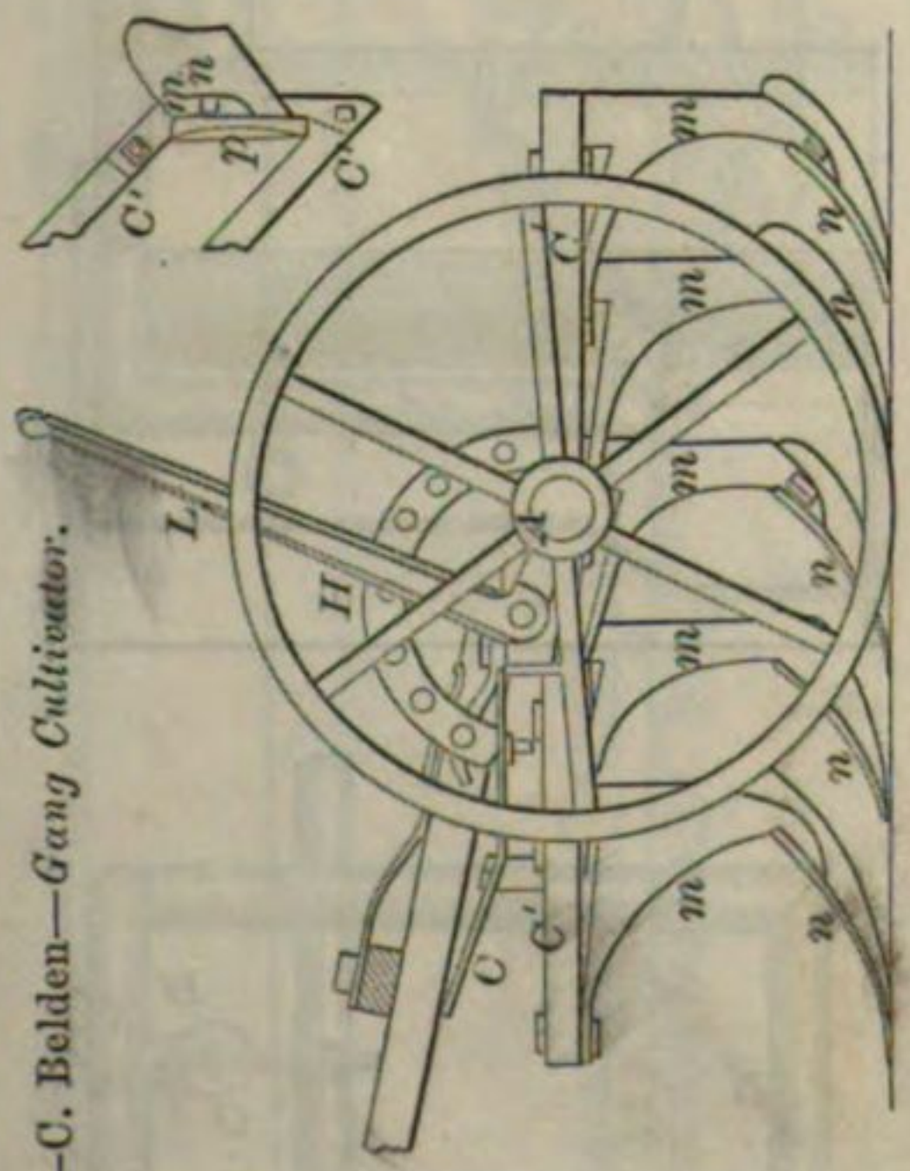
51789—E. Beeman—*Knife Sharpener and Polisher.*



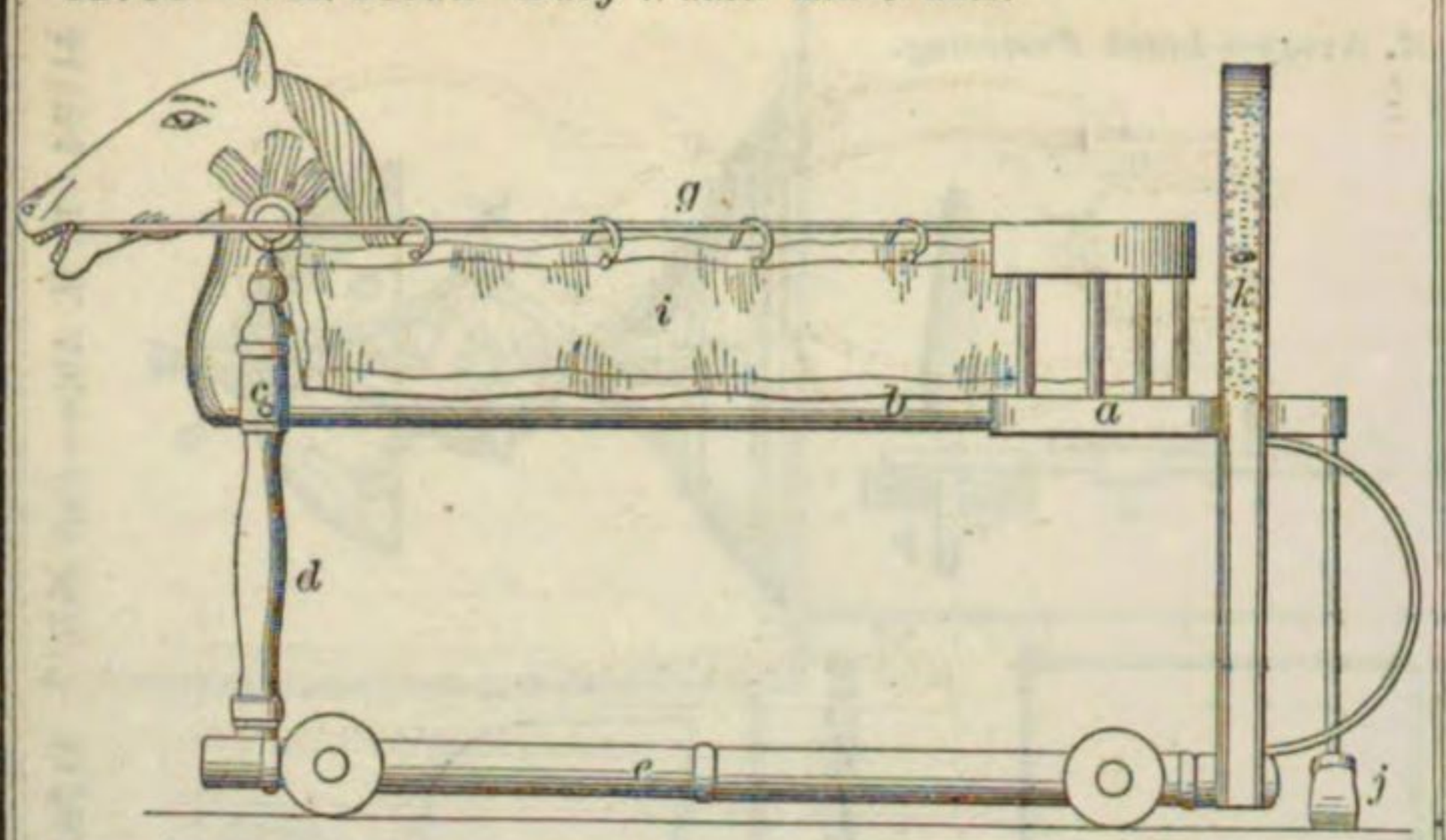
51791—S. Bennett—*Broom.*



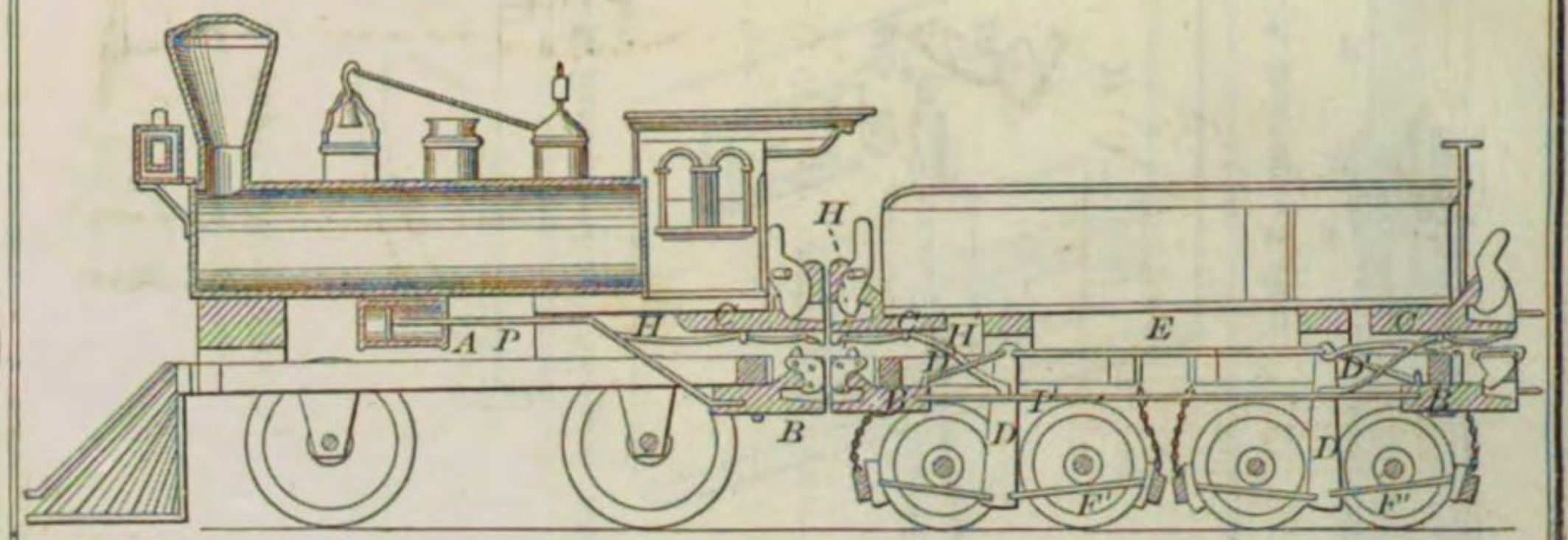
51790—C. Belden—*Gang Cultivator.*



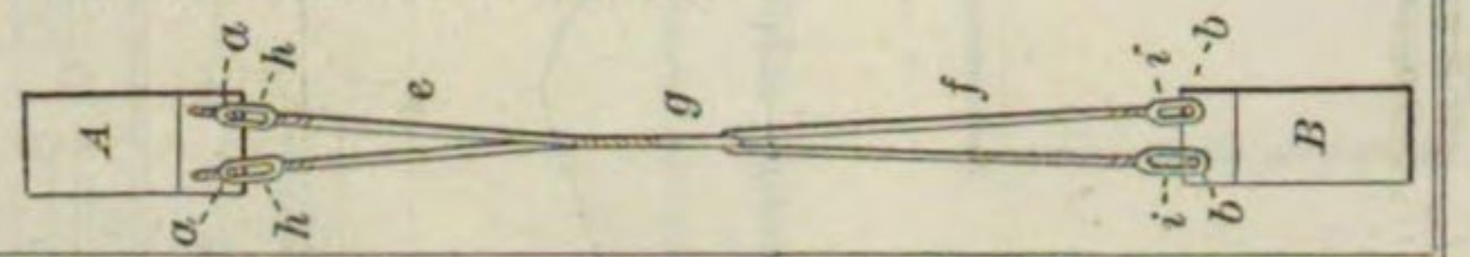
51795—J. H. Brown—*Baby Walker and Cradle.*



51797—X. X. Buckner—*Steam Car Brake.*



51794—D. C. Brown—*Loom Harness.*



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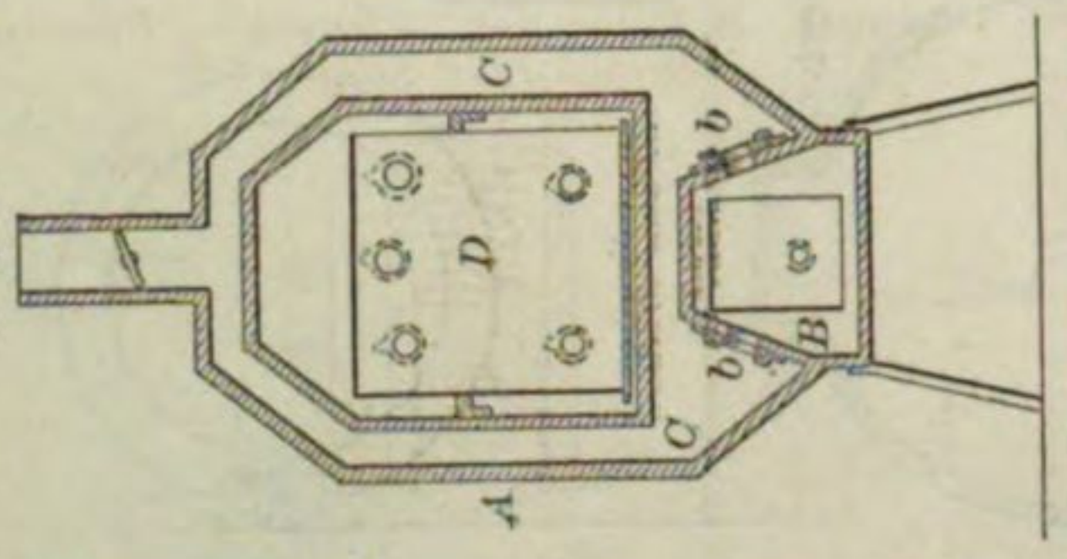
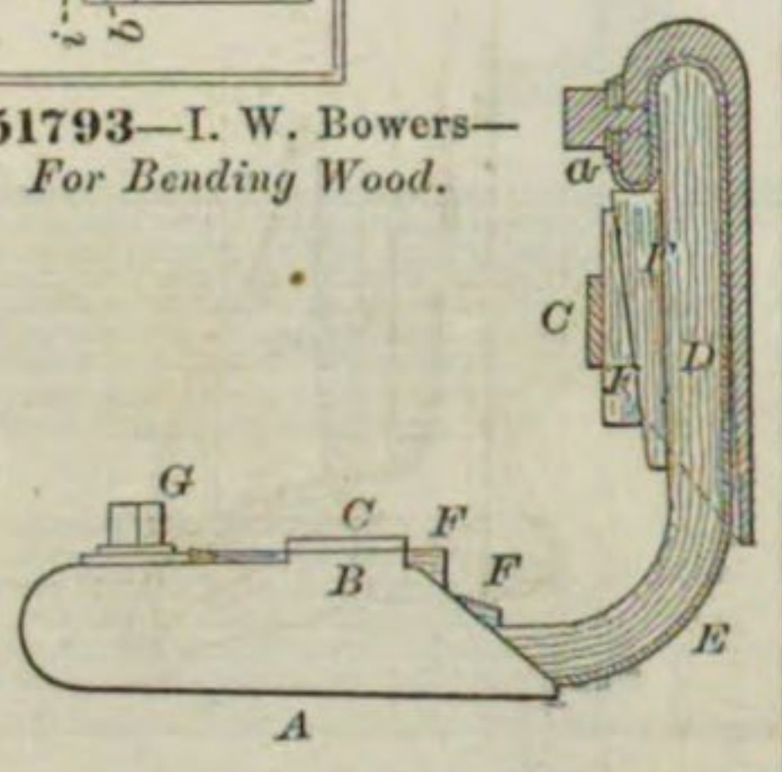
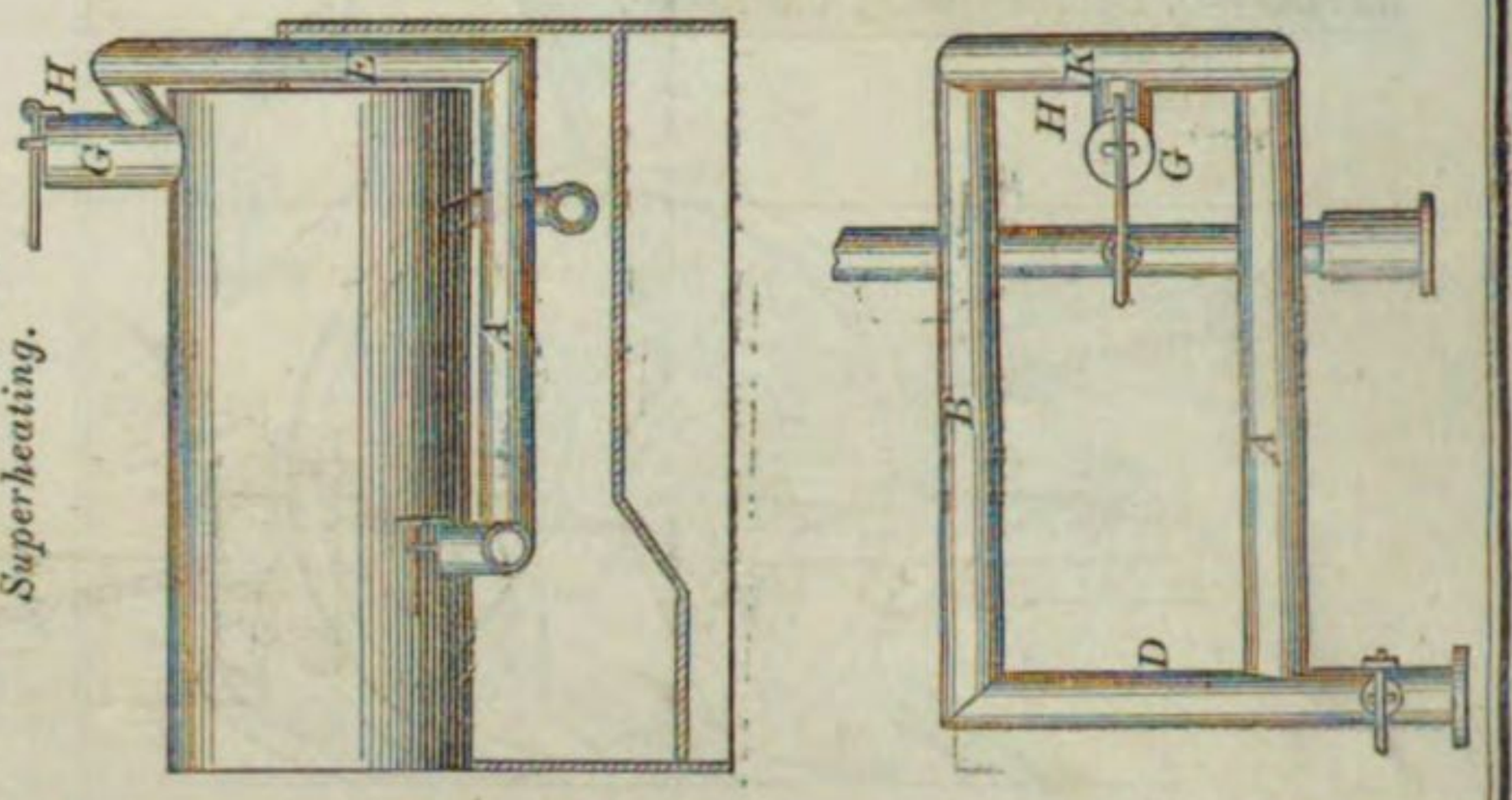


51793—I. W. Bowers—*For Bending Wood.*



51796—Brown & Gregg—*For Superheating.*



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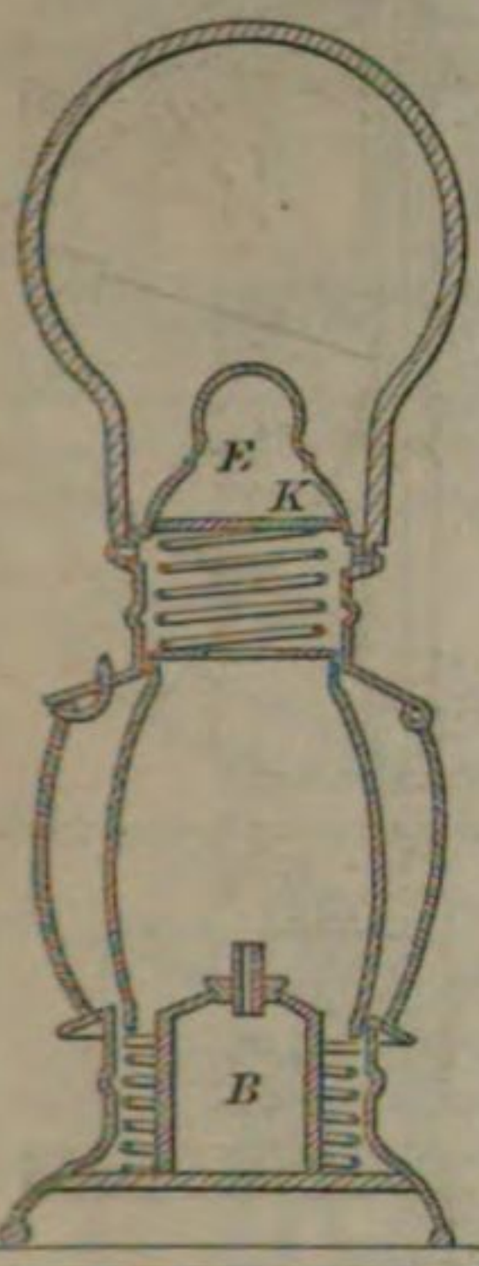

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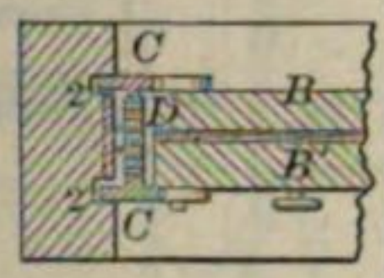
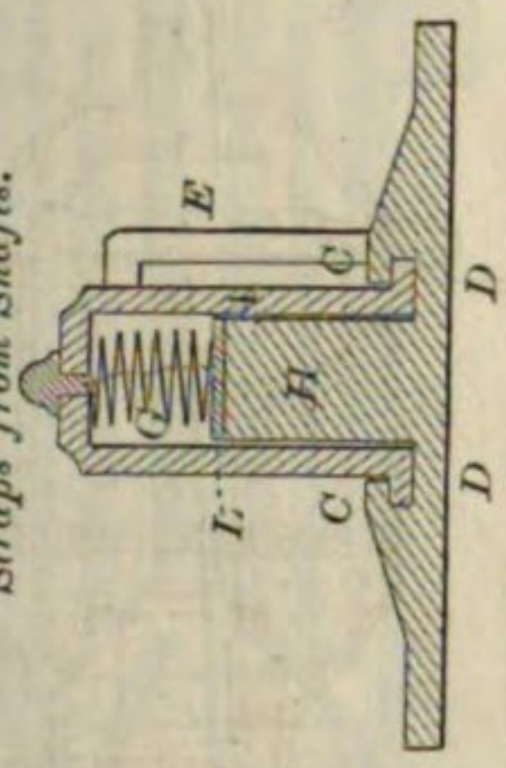
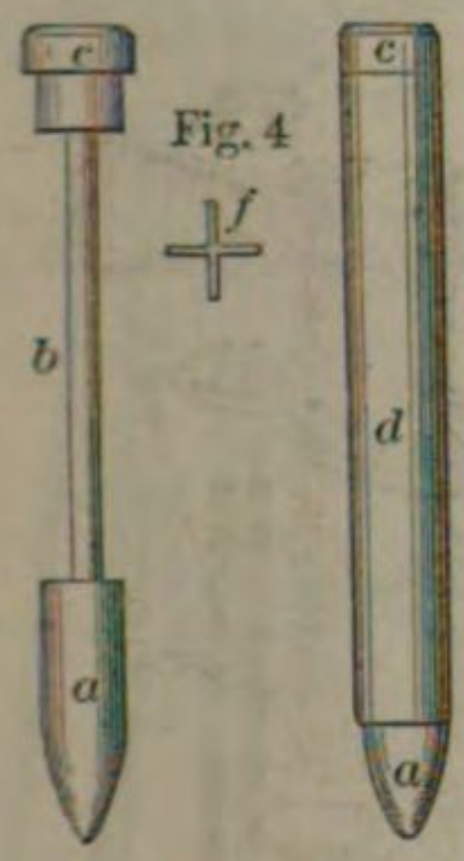


51800—E. Calderwood—*Detaching Breeching Straps from Shafts.*



51801—S. B. Castle—*Operating Bored Wells.*



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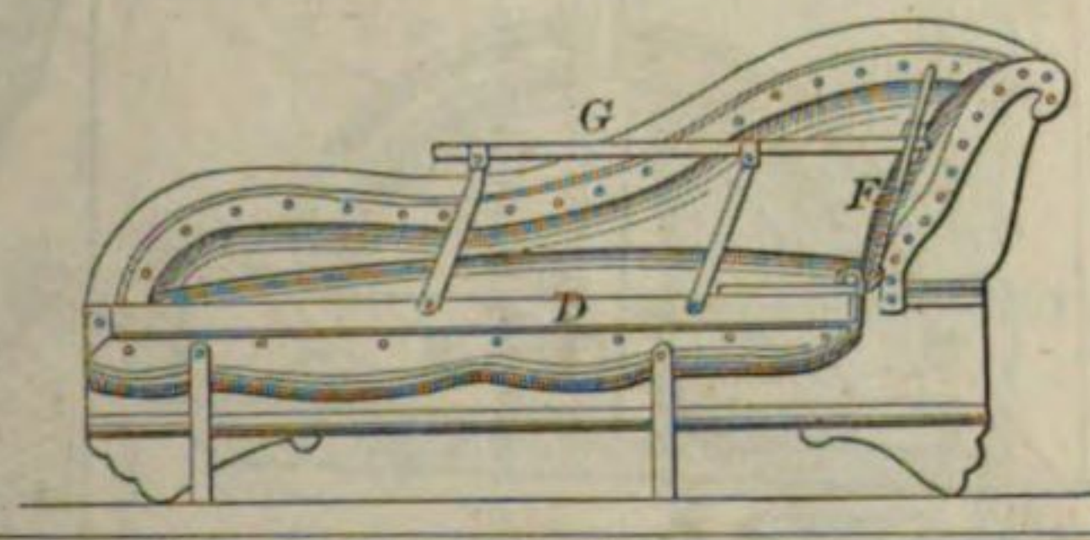

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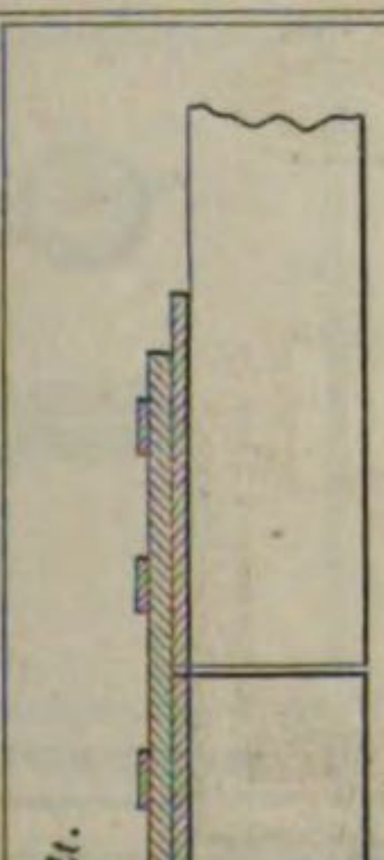

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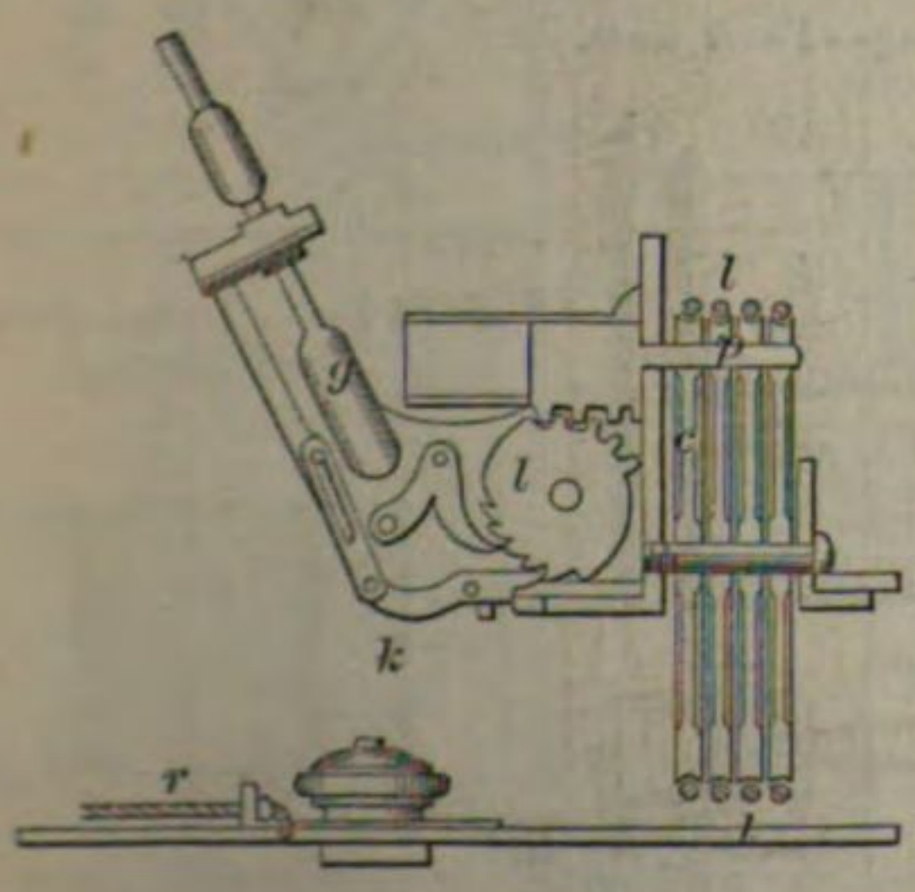

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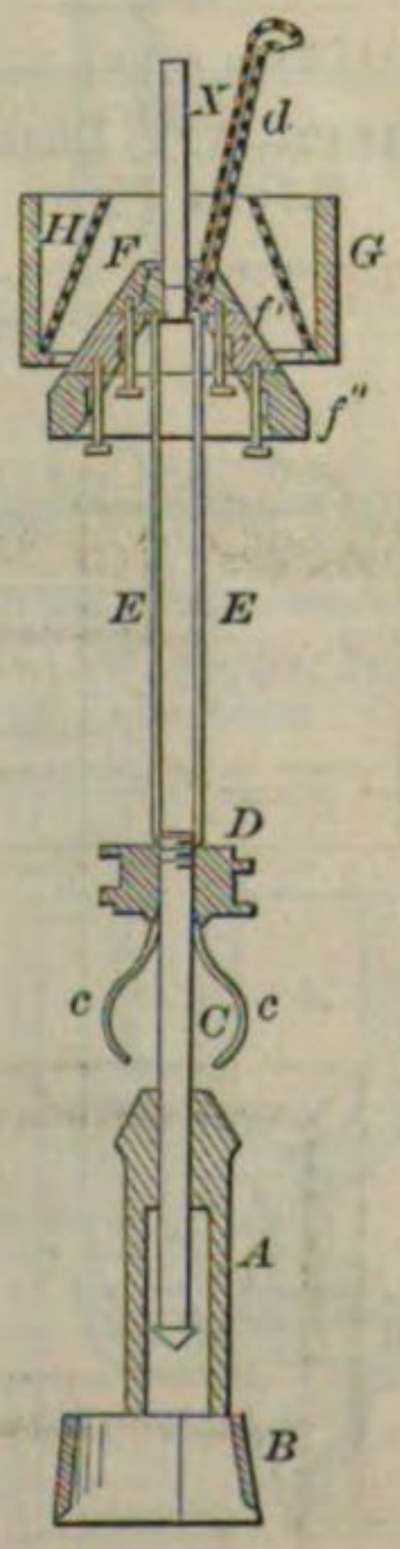

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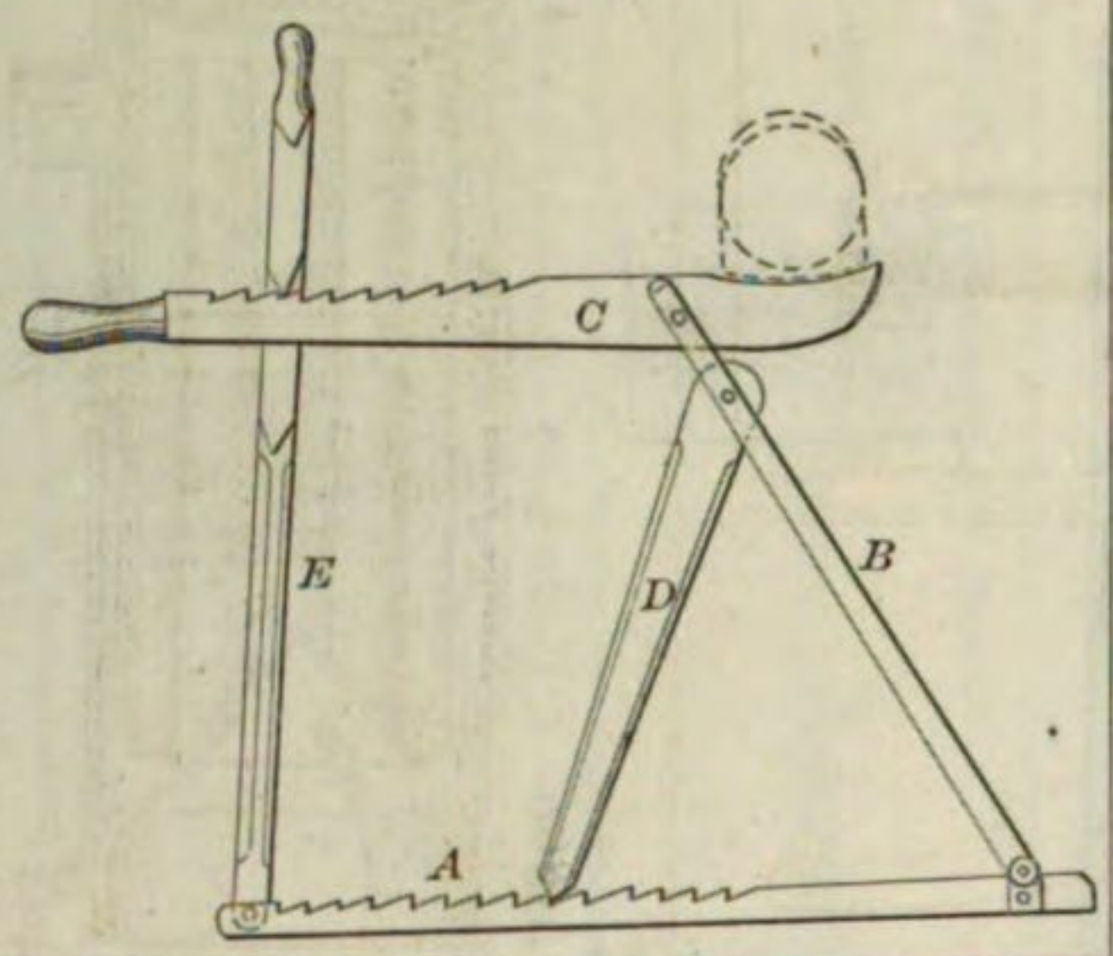

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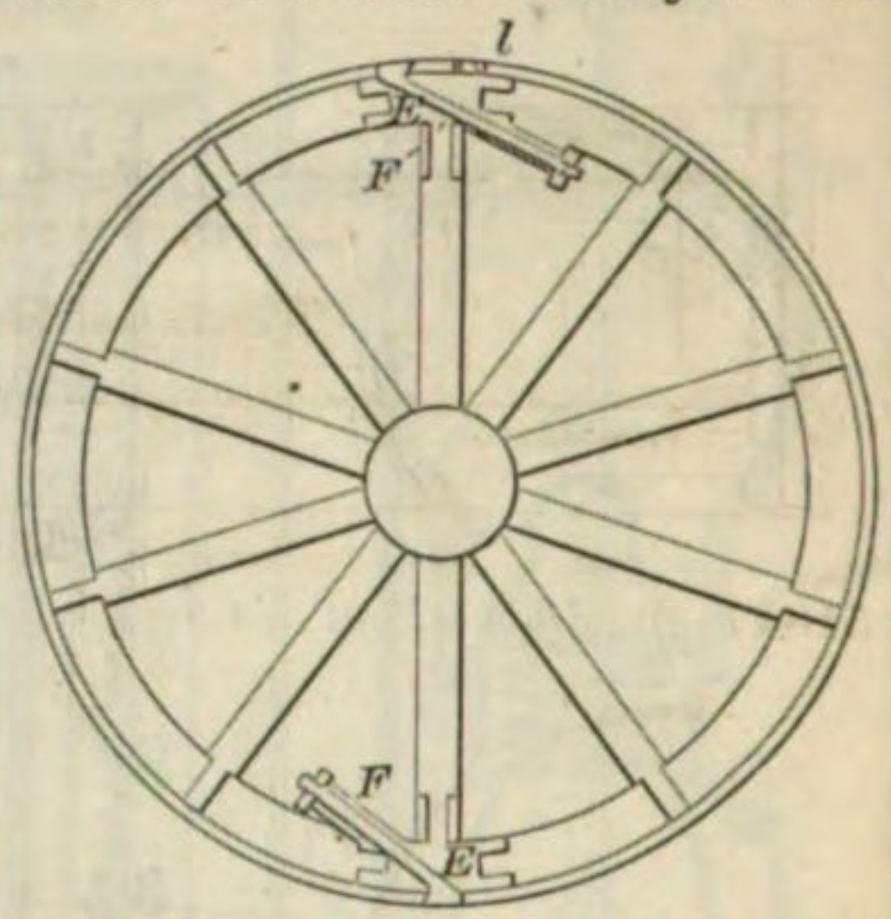

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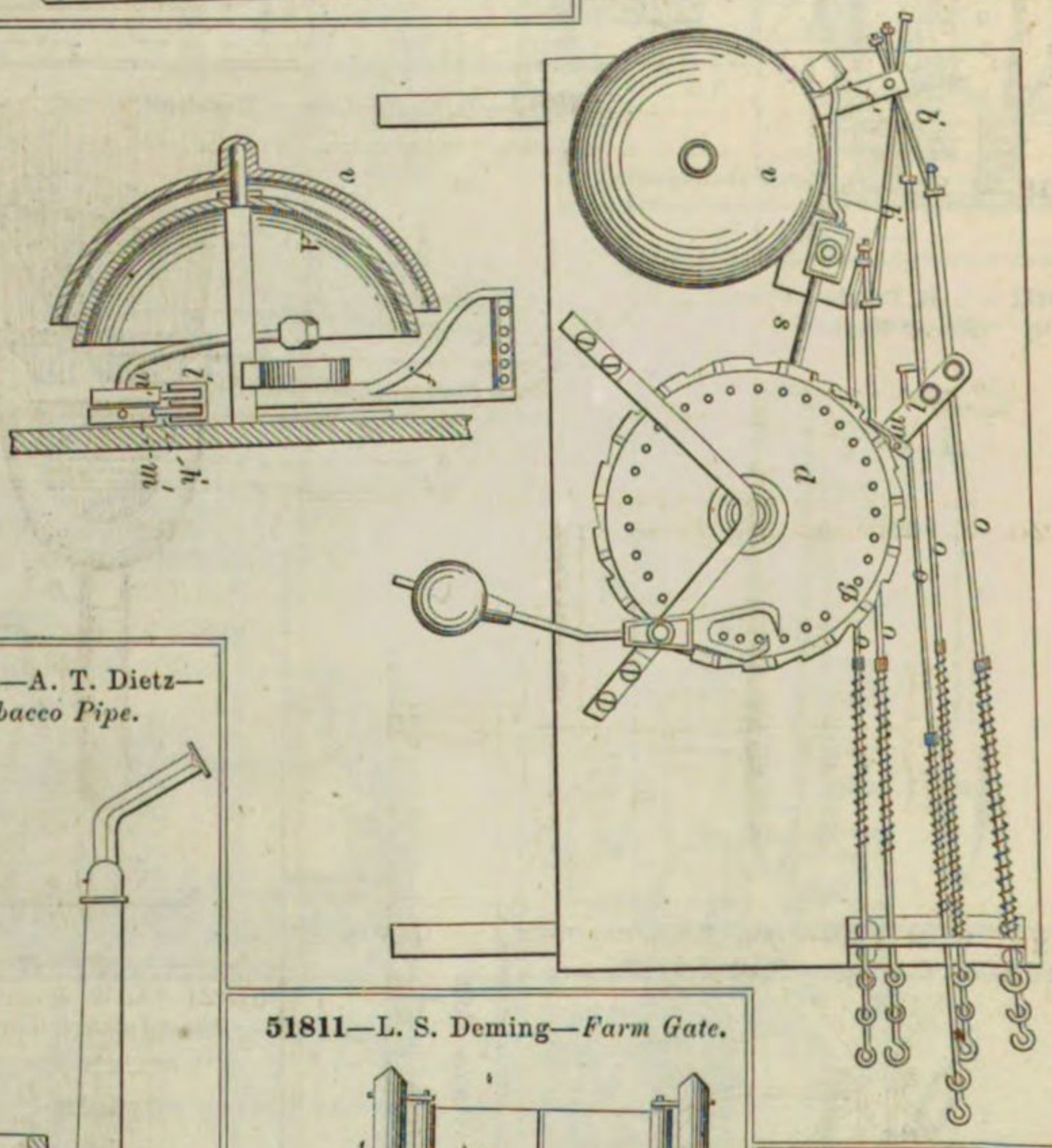
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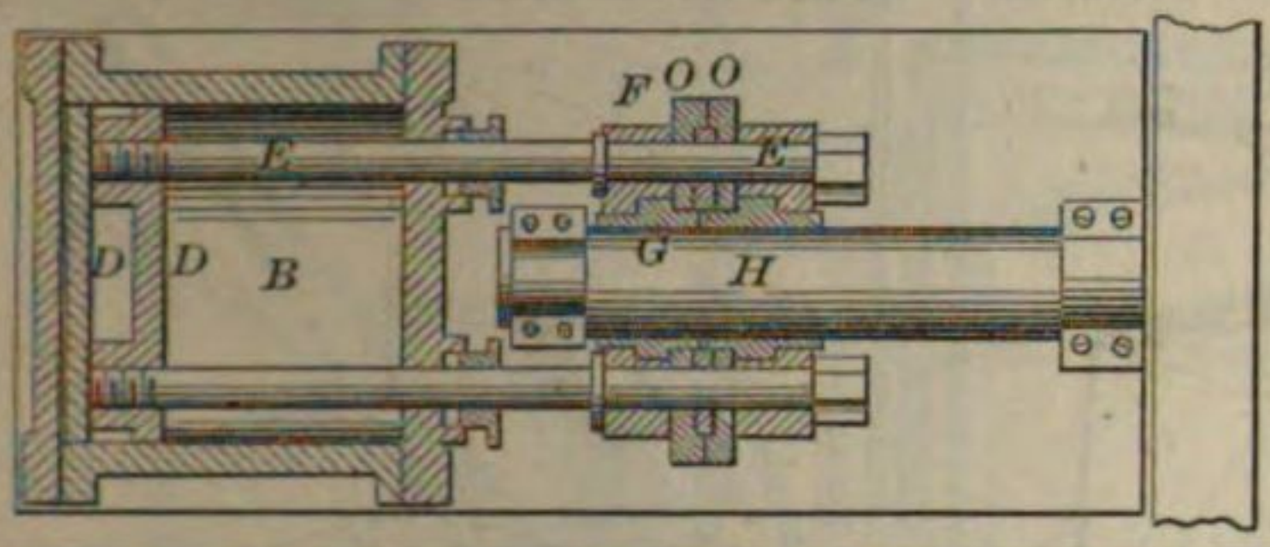

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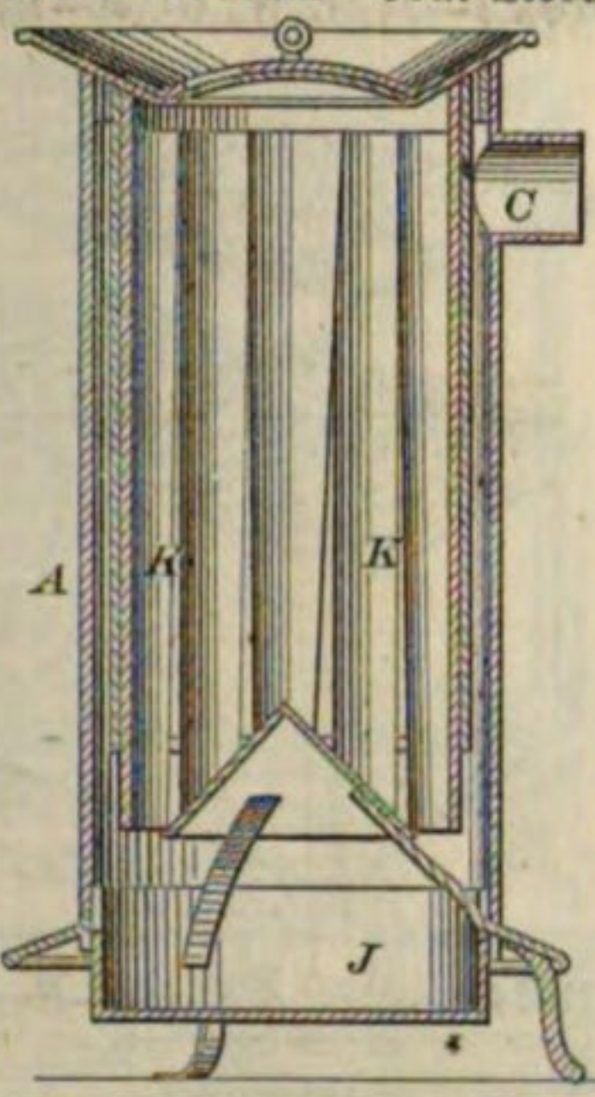

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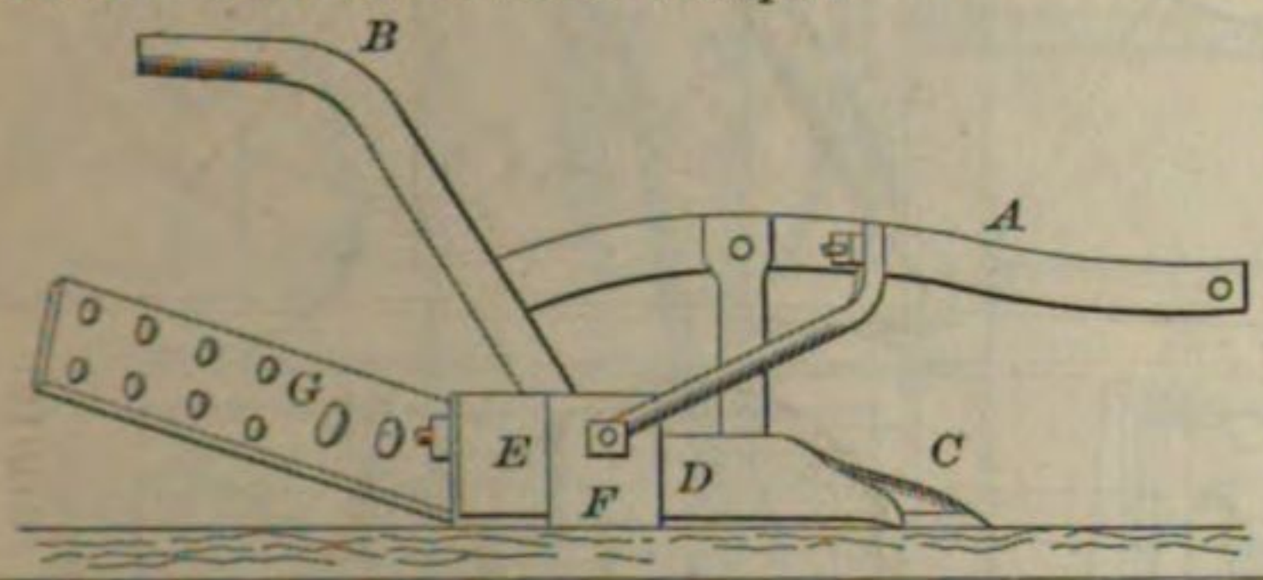

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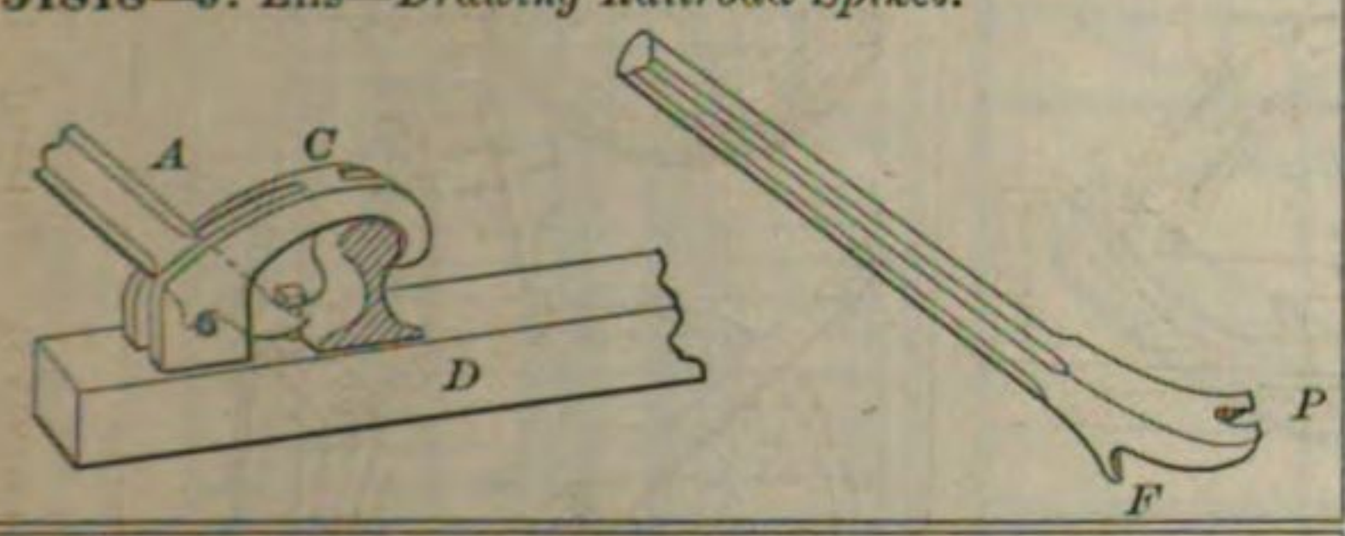

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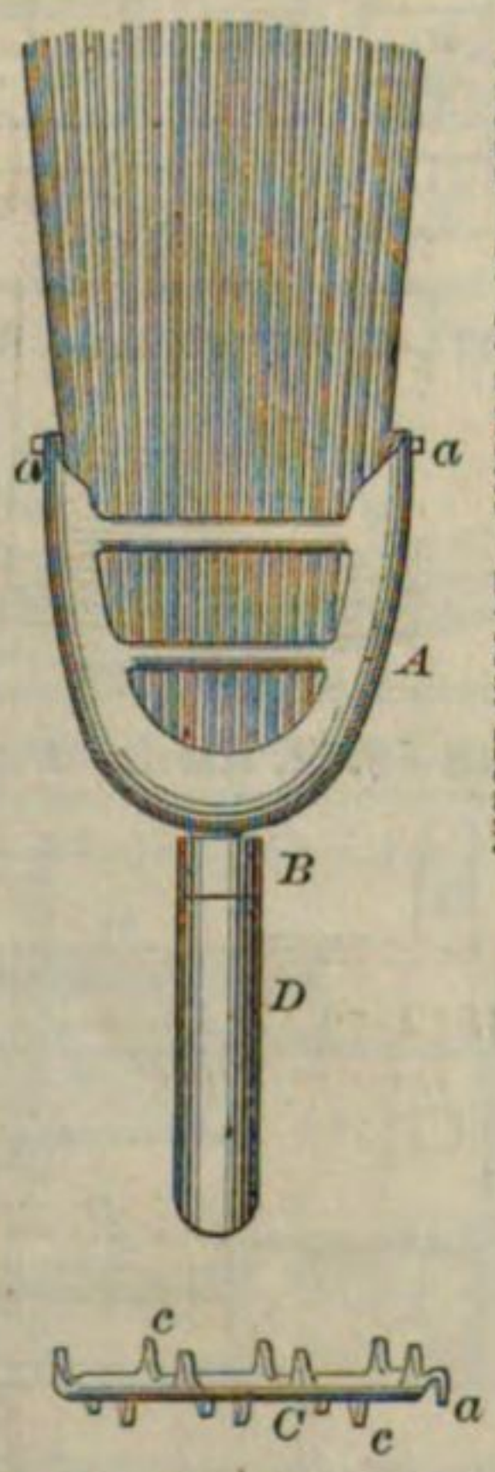
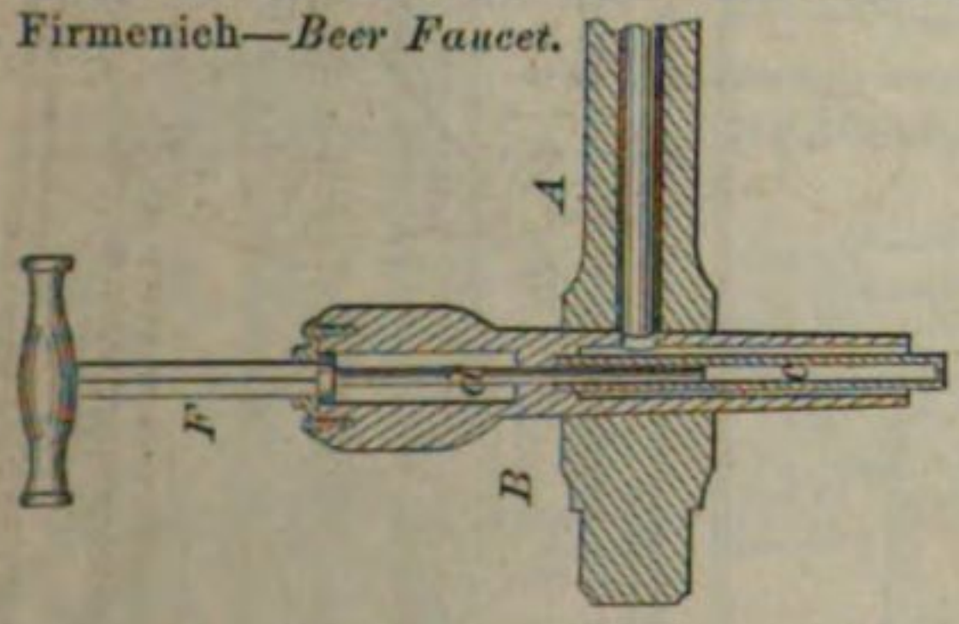
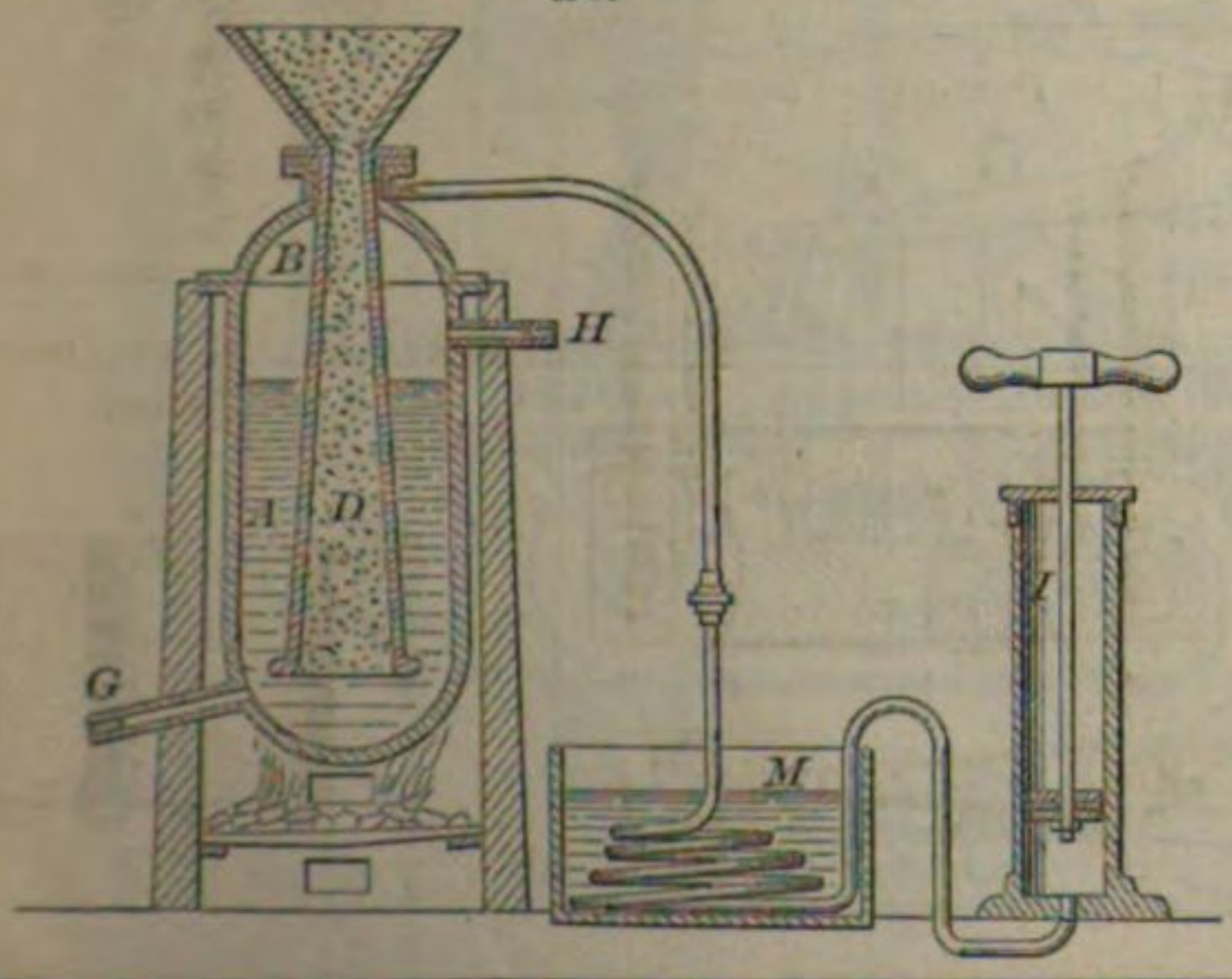


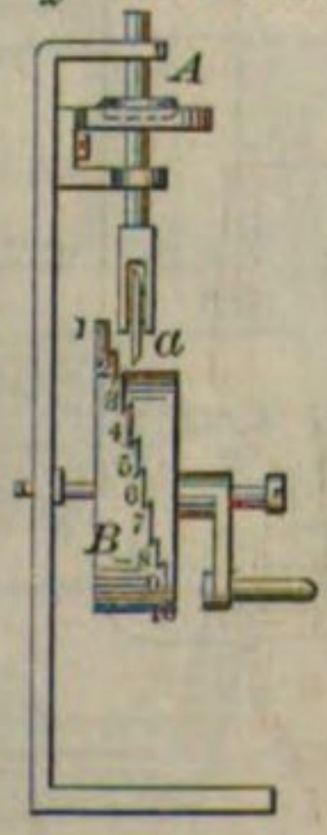
51820—J. Firmenich—*Beer Faucet.*



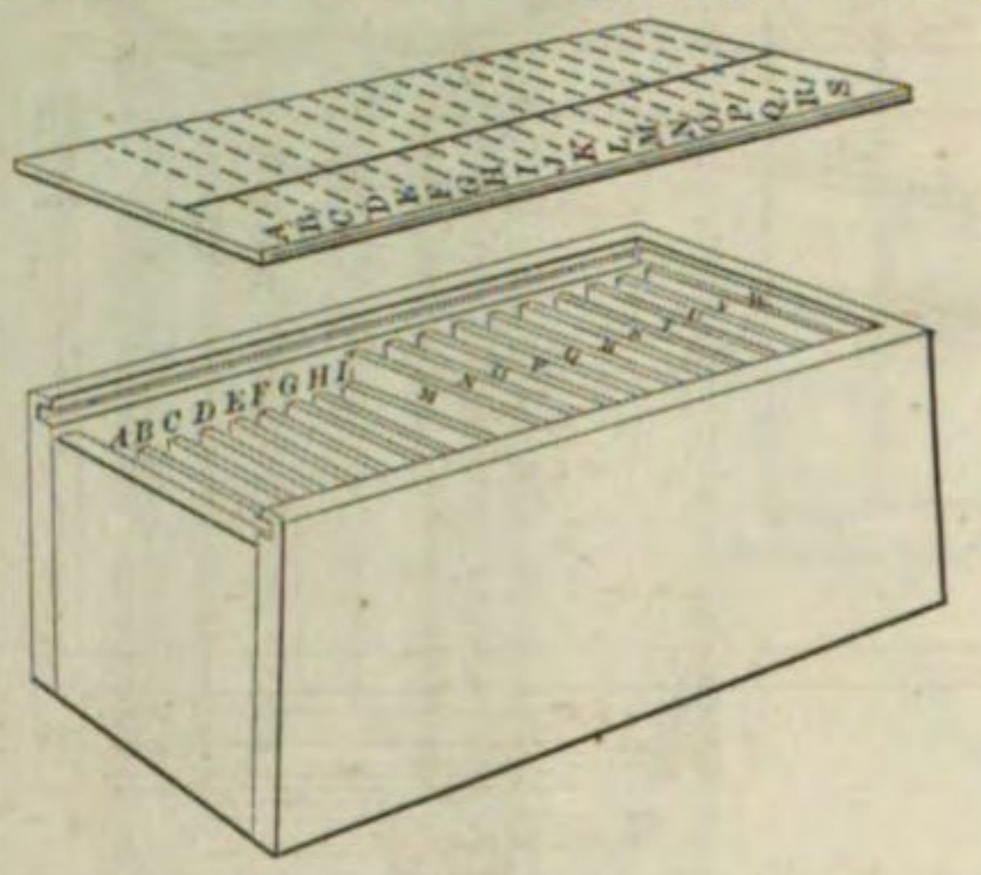
51822—W. M. Fuller—*For Extracting Gold from Quartz, &c.*



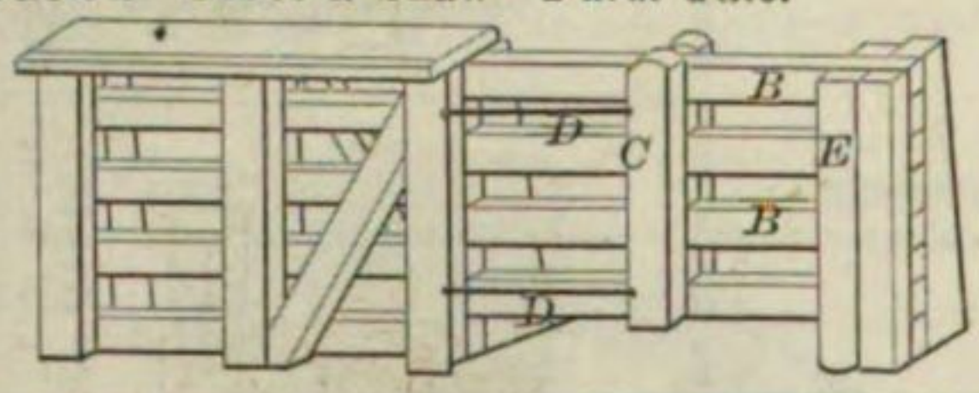
51821—A. W. Foster, Jr.—*Cut-off Valve Gear.*



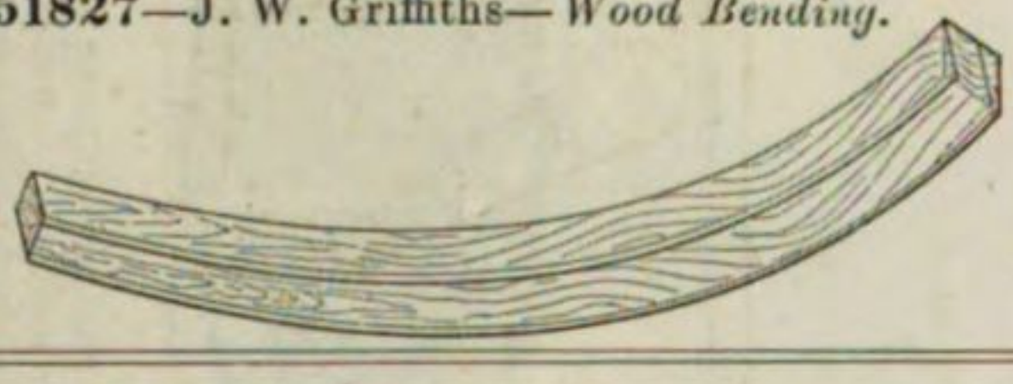
51823—J. M. W. Geist—*System for Libraries.*



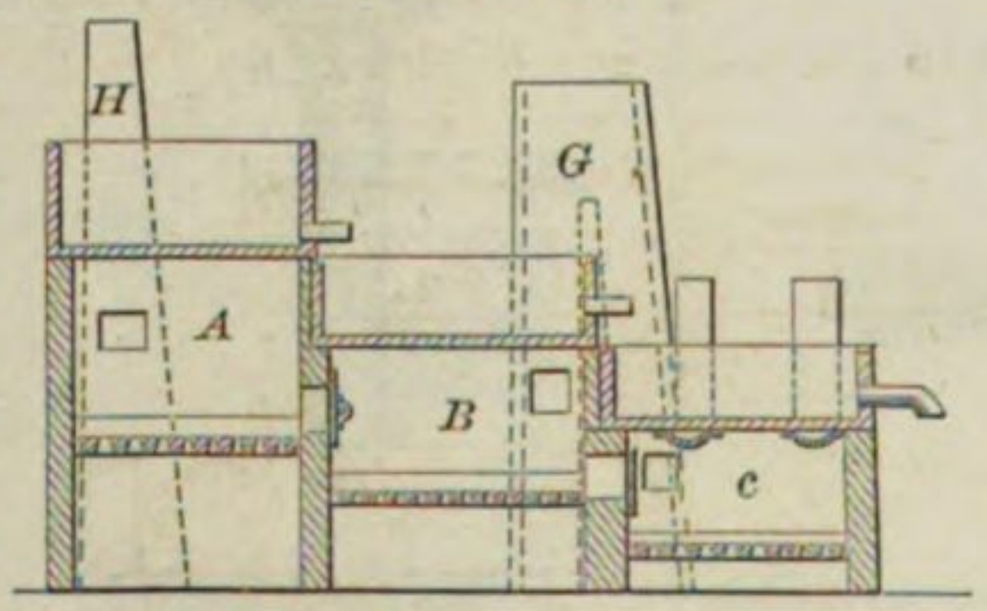
51824—Gibbs & Shaw—*Farm Gate.*



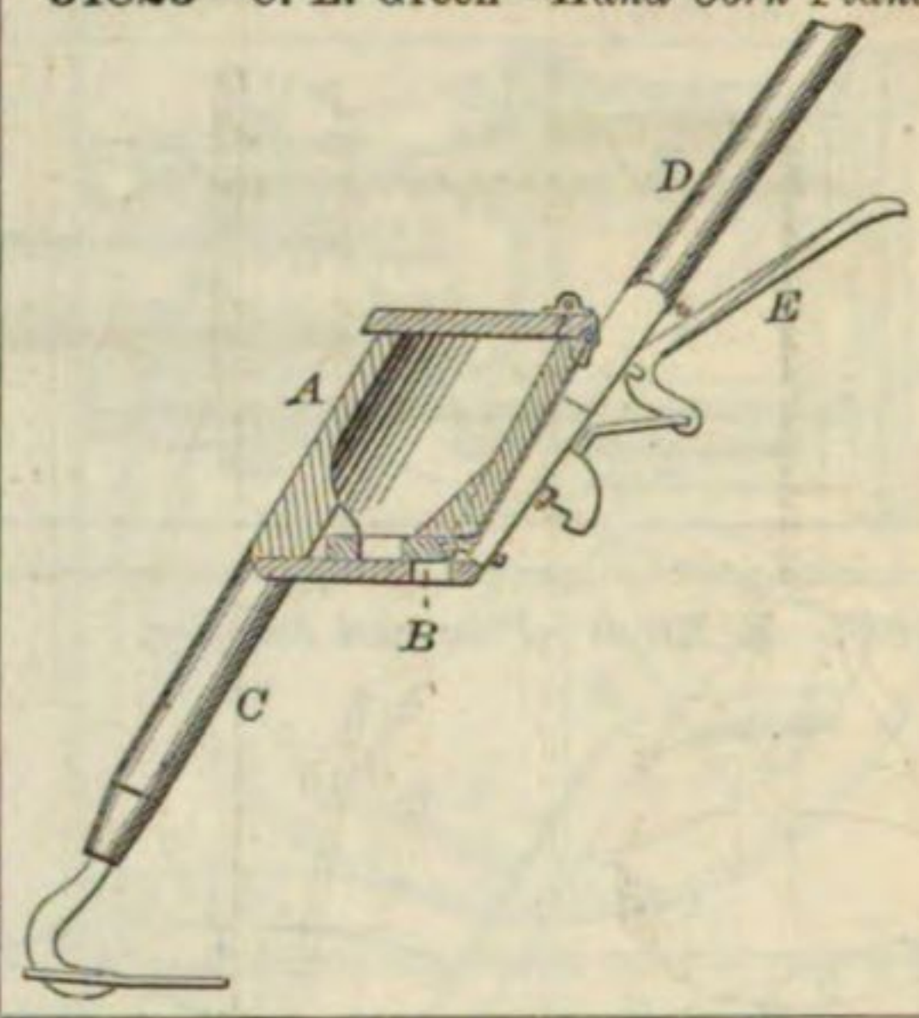
51827—J. W. Griffiths—*Wood Bending.*



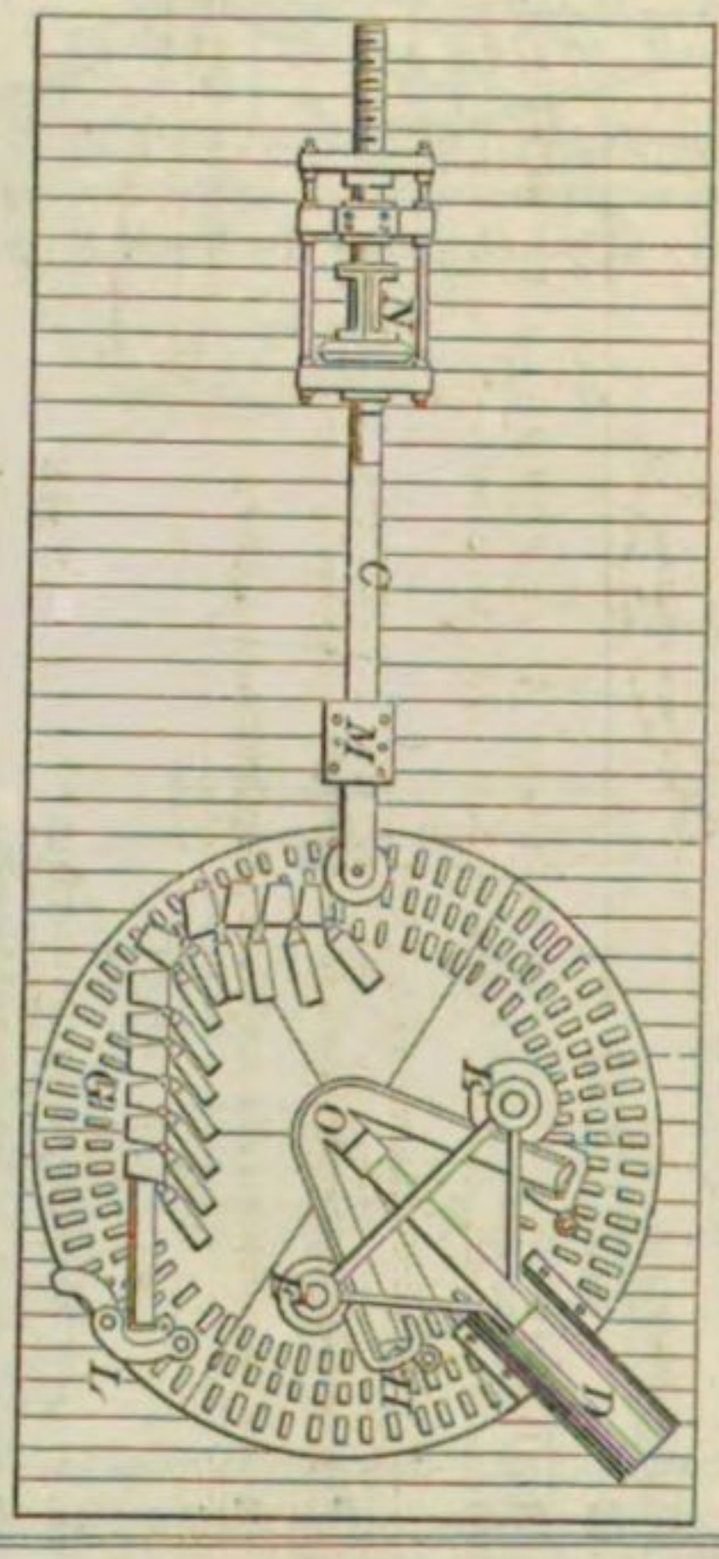
51828—F. M. Harris—*Evaporator.*



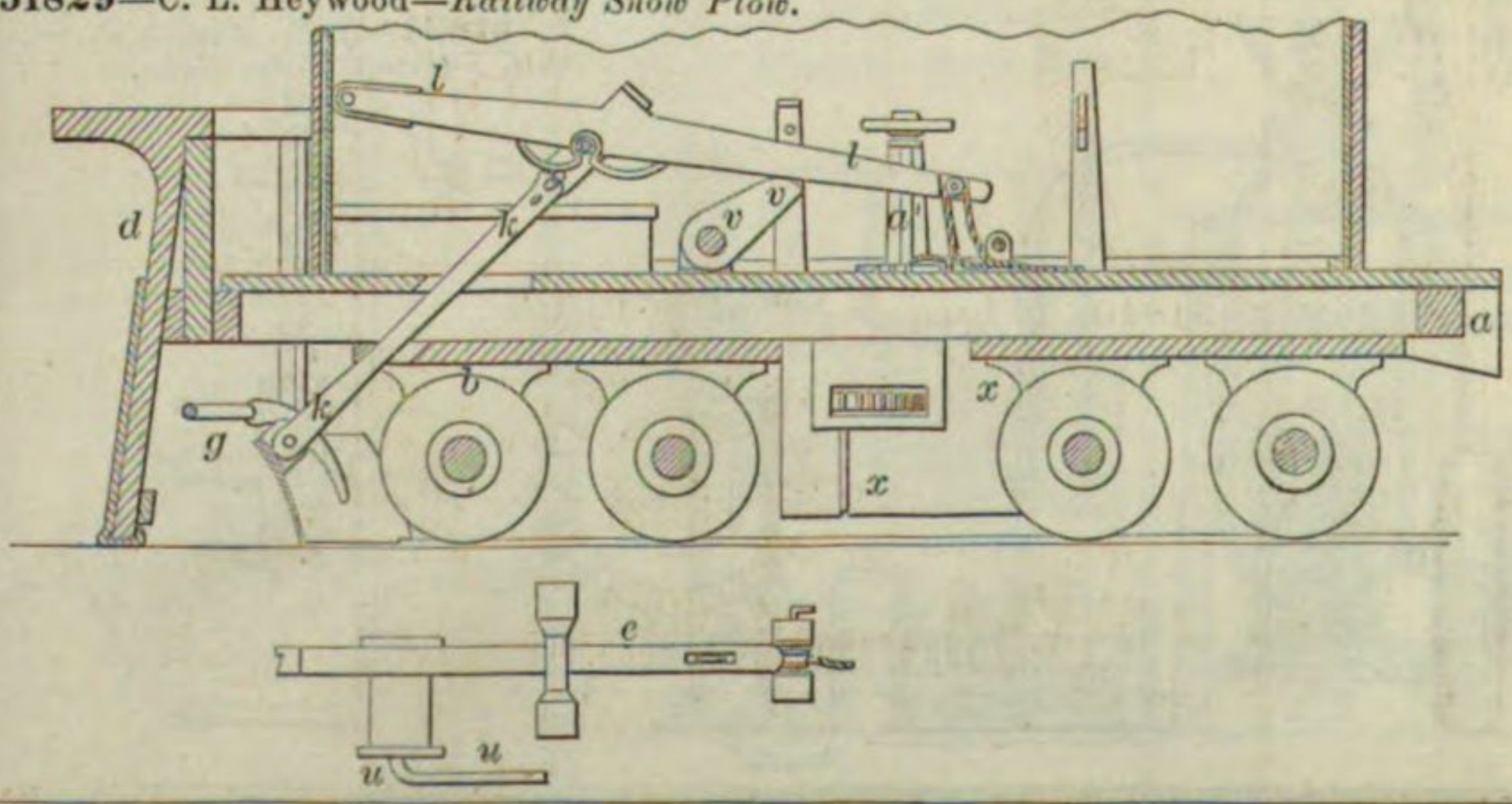
51825—C. L. Green—*Hand Corn Planter.*



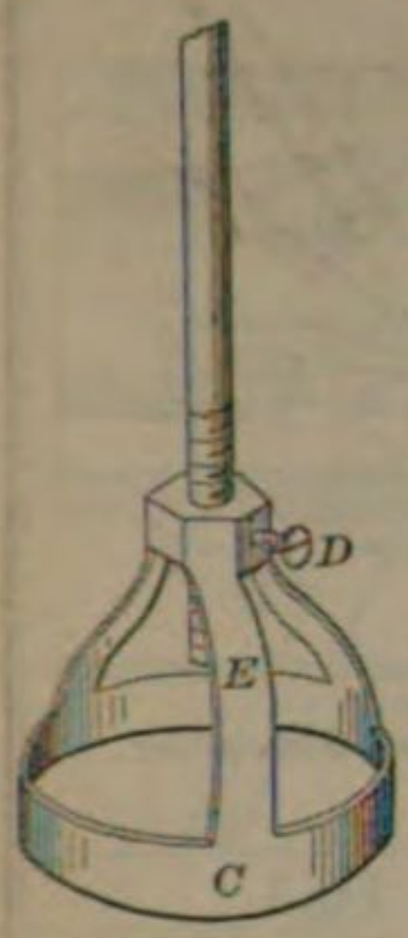
51826—J. W. Griffiths—*Wood Bending Machine.*



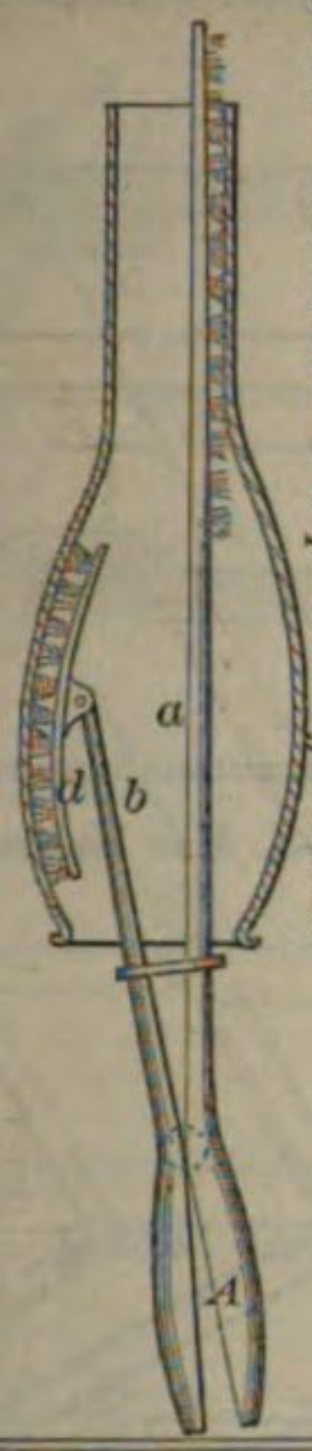
51829—C. L. Heywood—*Railway Snow Plow.*



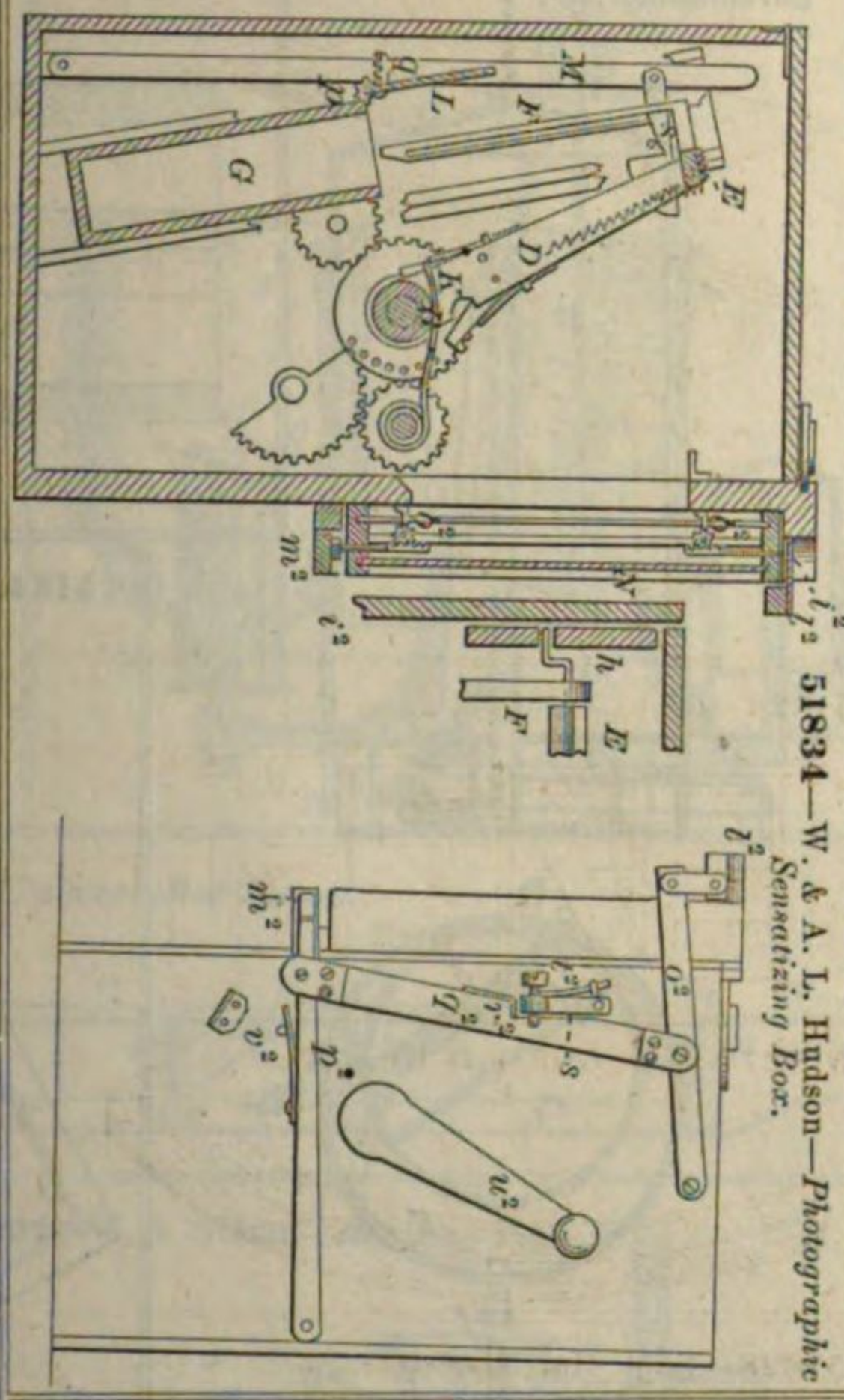
51831—C. Hood—*Packing for Pumps.*



51835—F. Imhorst—*Lamp Chimney Cleaner.*

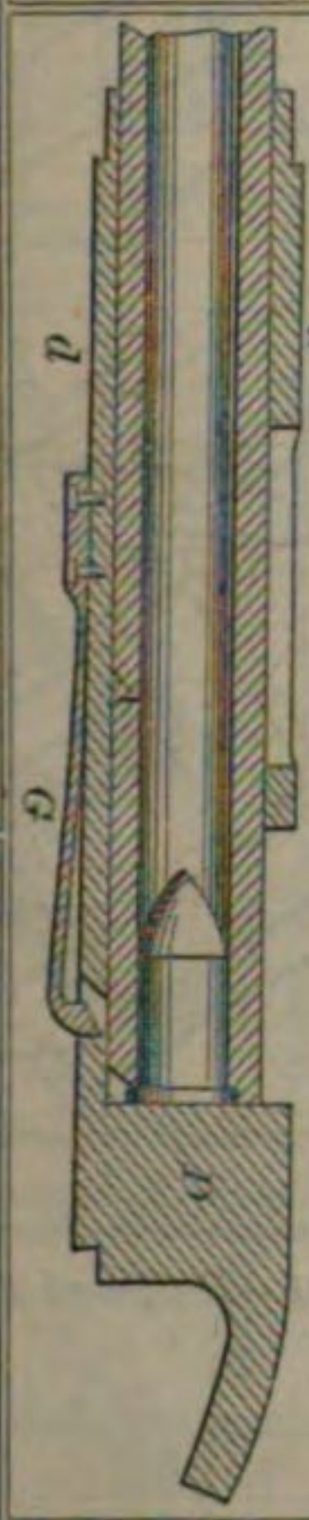


51834—W. & A. L. Hudson—*Photographic Sensatizing Box.*

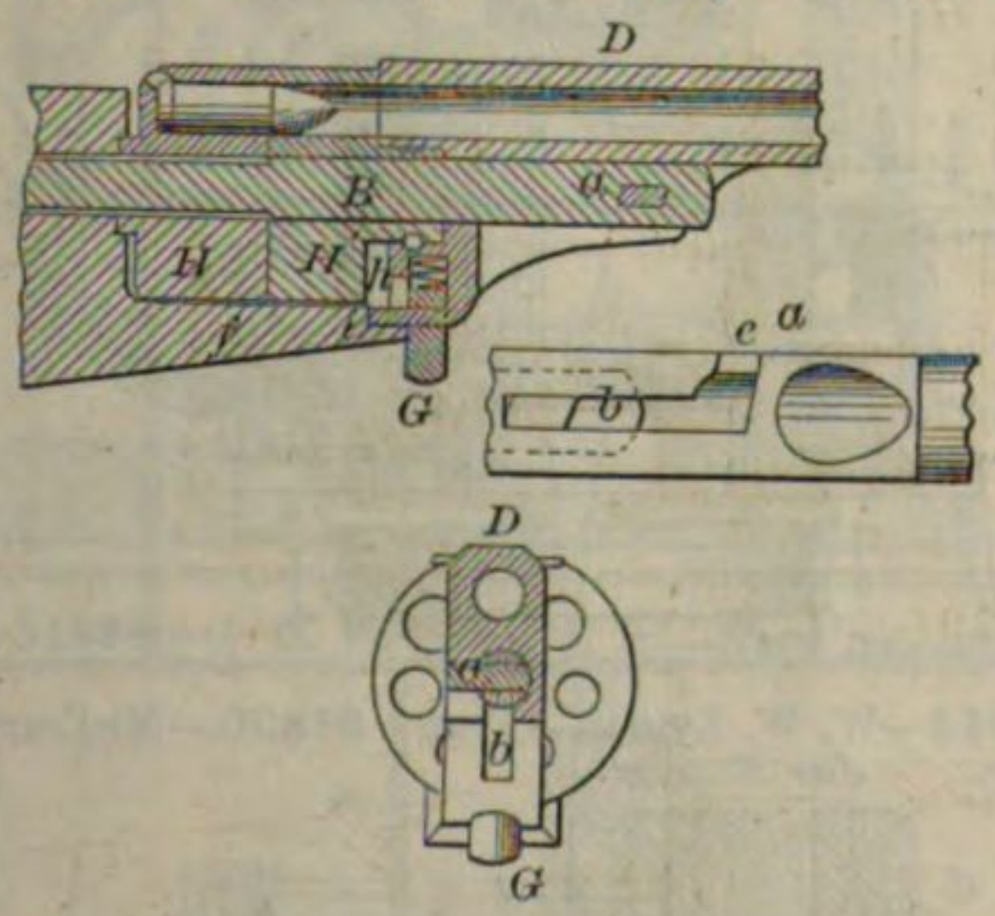


51838—J. C. Kellogg—*Gate Fastening.*

51837—B. F. Joslyn—*Breech-Loading Fire Arm.*

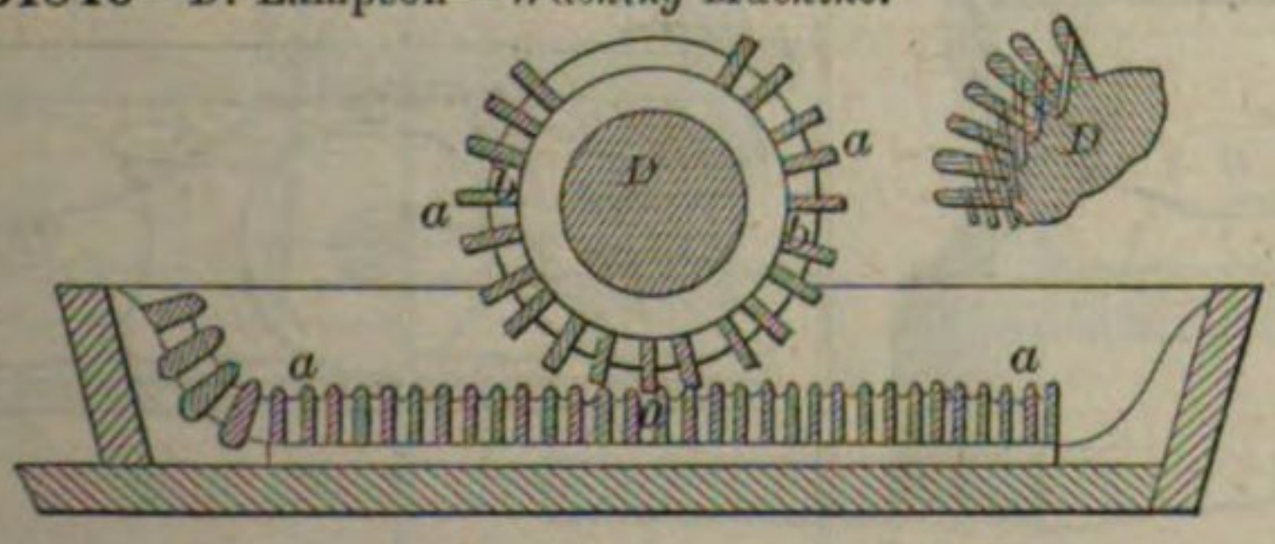


51836—B. F. Joslyn—*Revolving Fire Arm.*

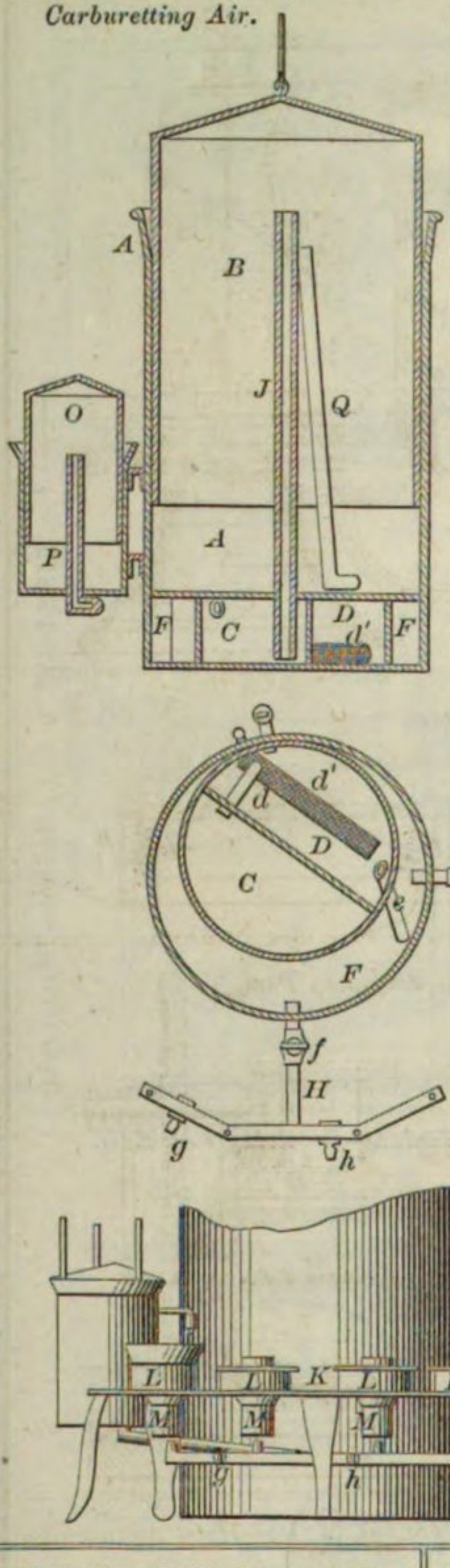


51839—F. L. King—*Egg Beater.*

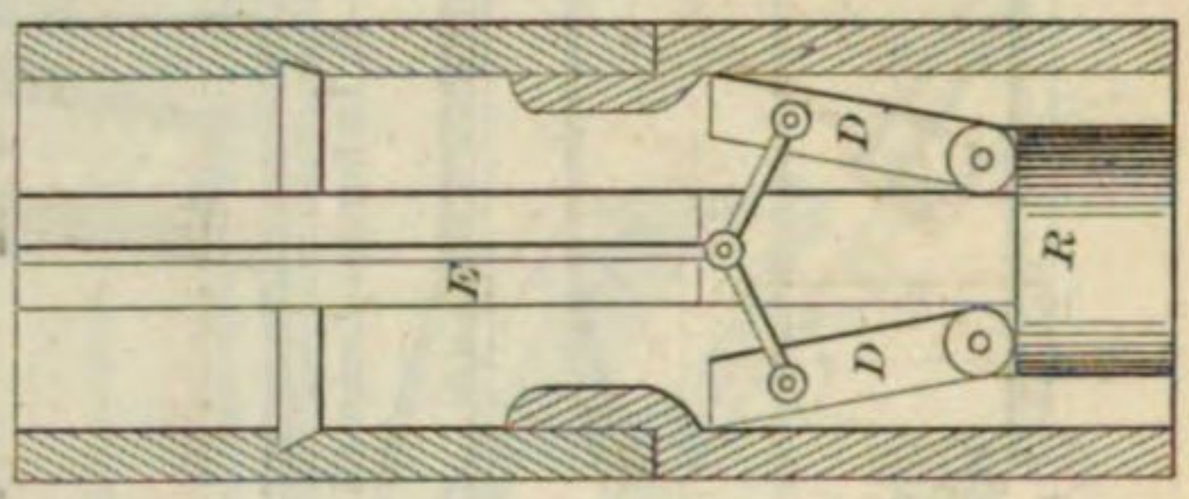
51840—D. Lampson—*Washing Machine.*



51841—C. B. Loveless—*For Carburetting Air.*



51842—T. Lowry—*For Drawing Pipes from Wells.*



51845—J. Mac Mullen—*Pencil Sharpener.*

Fig. 1

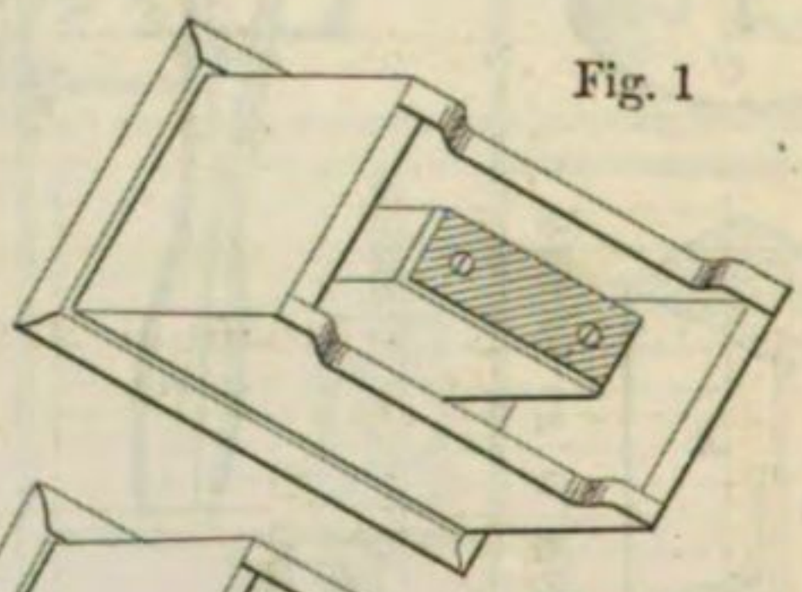


Fig. 2

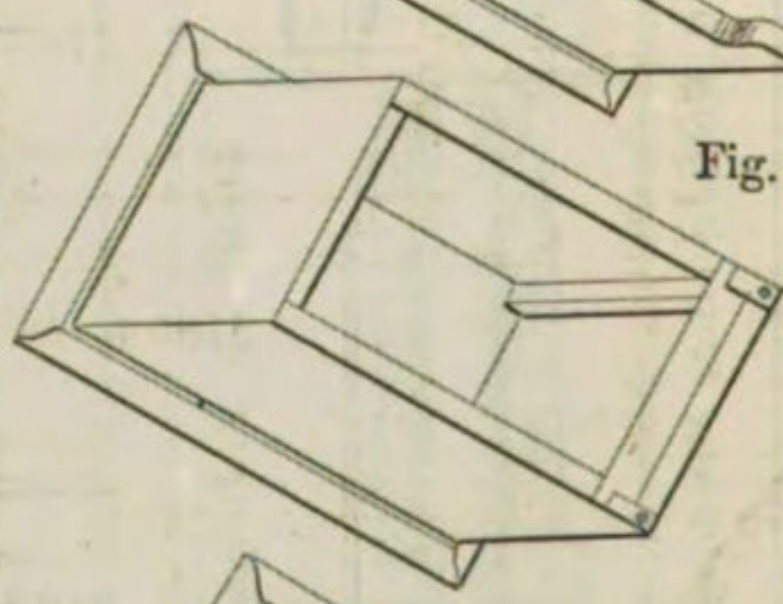
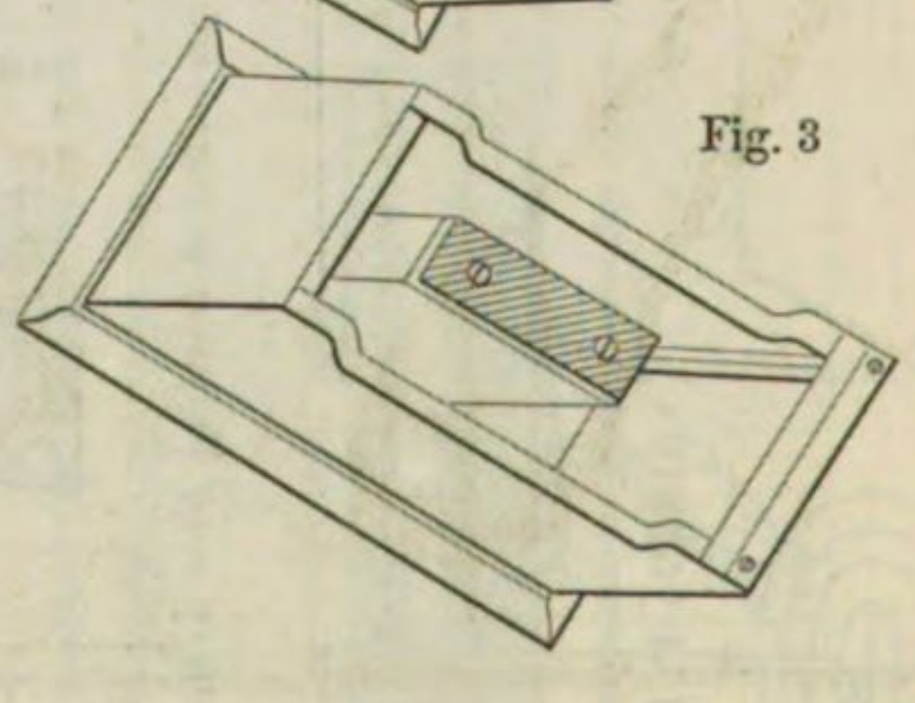
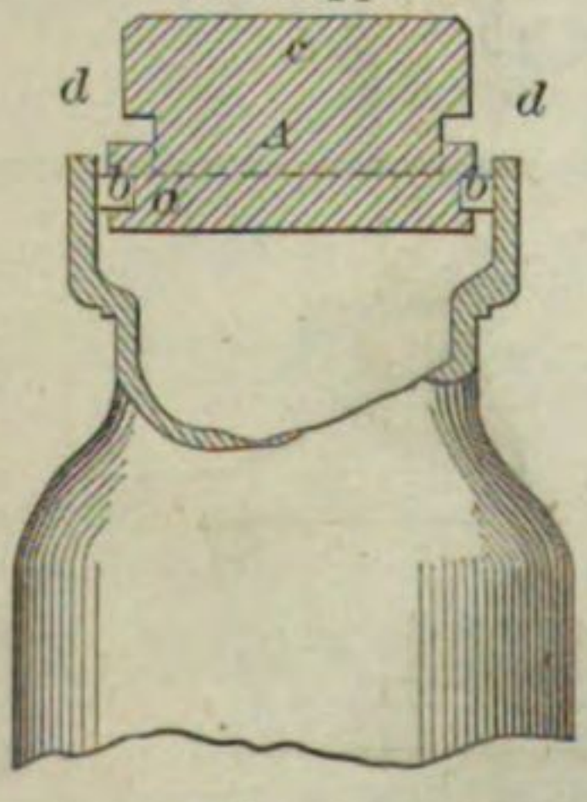


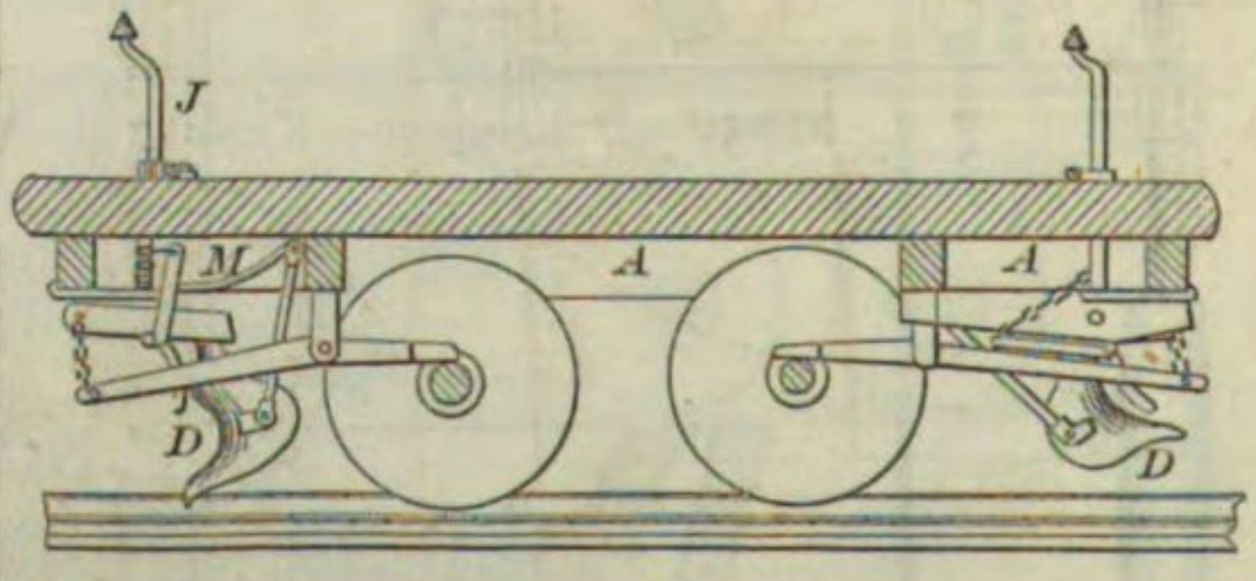
Fig. 3



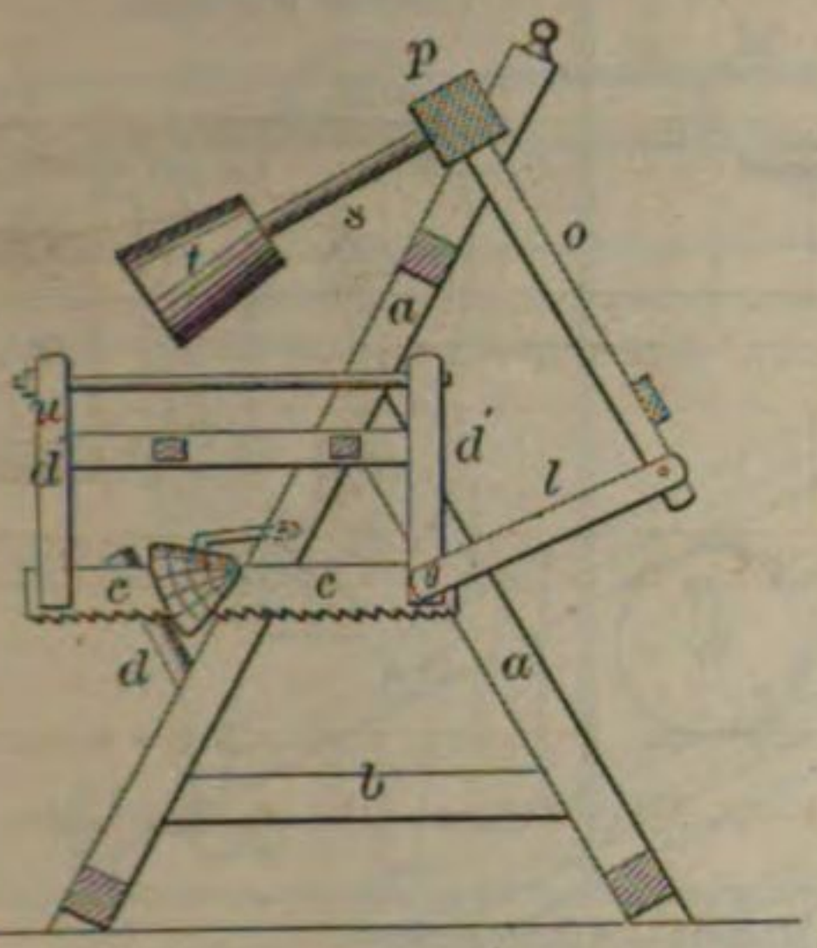
51844—W. W. Lyman—*Fruit Jar Stopper.*



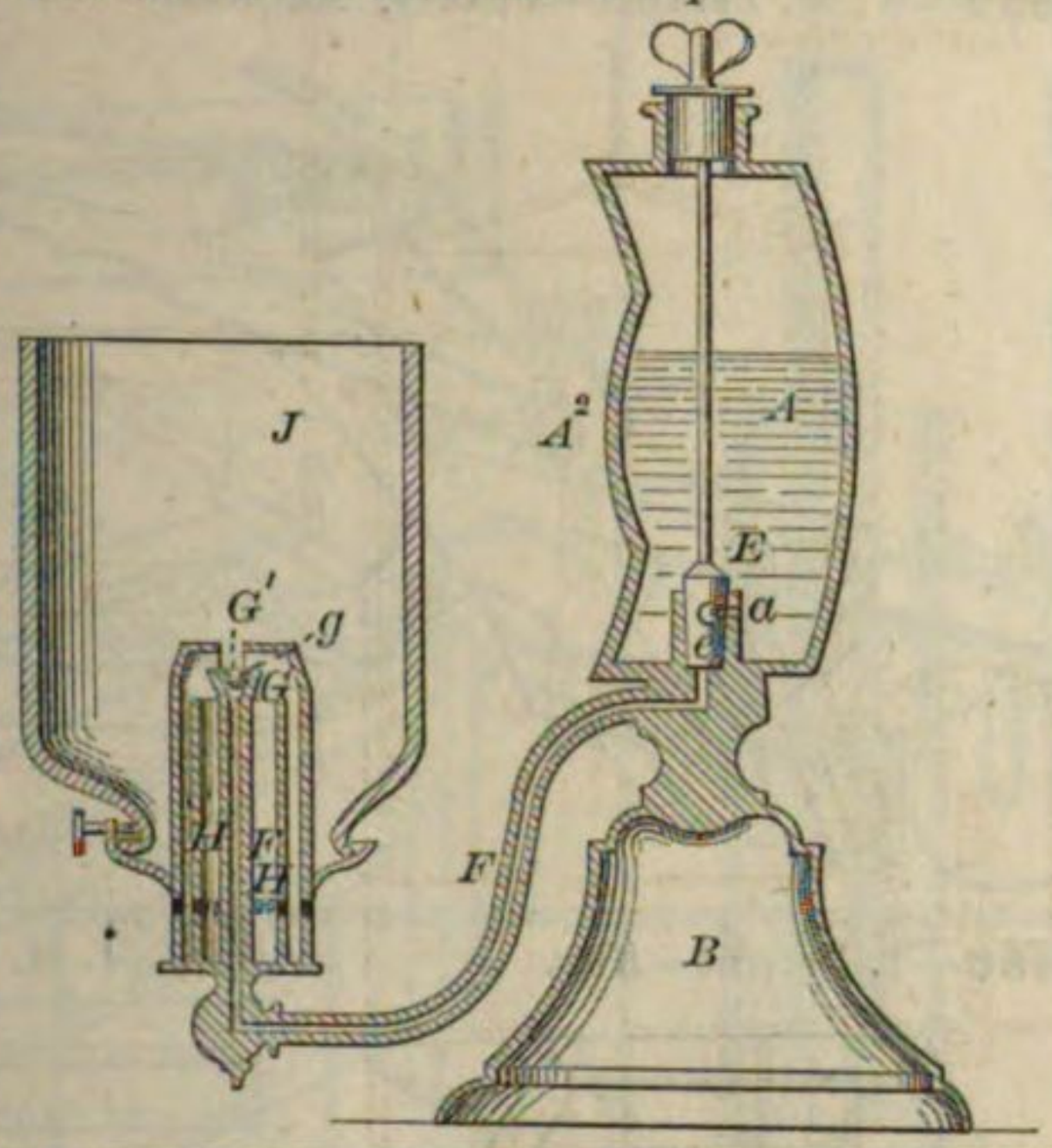
51850—Medbury & Wyatt—*Railroad Plow.*



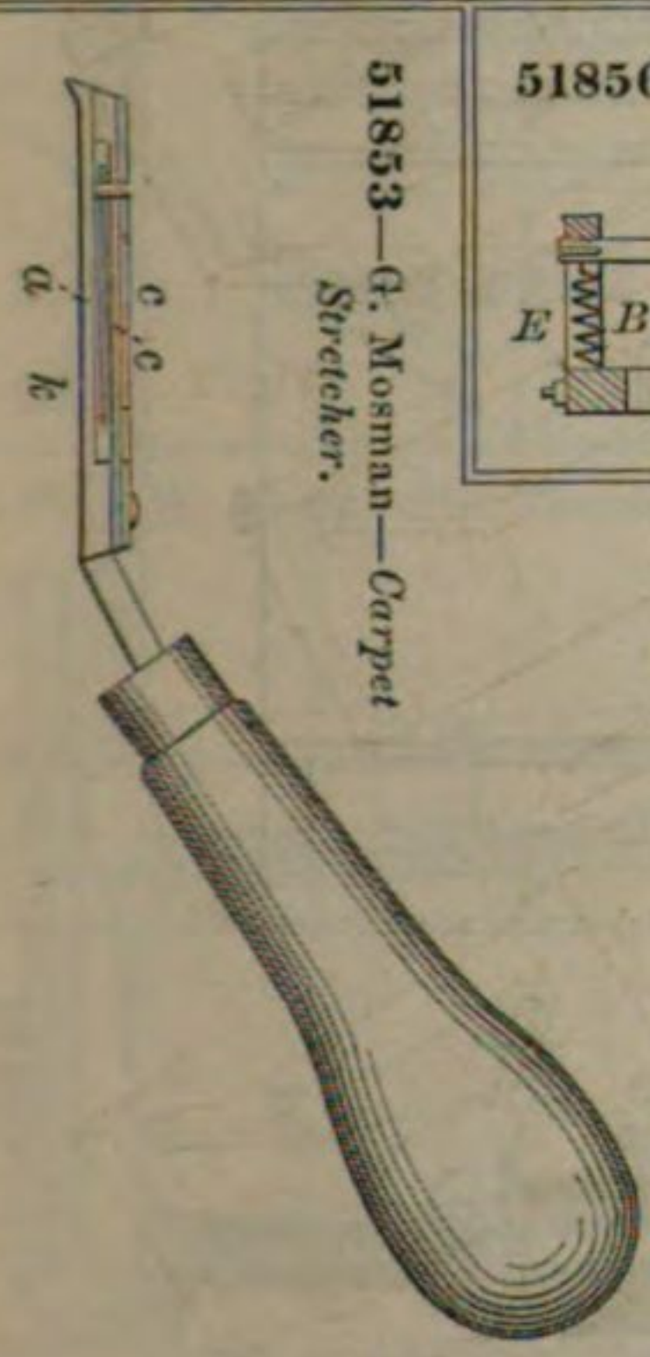
51851—W. Melville—*Sawing Machine.*



51852—G. W. Mitchell—*Lamp.*

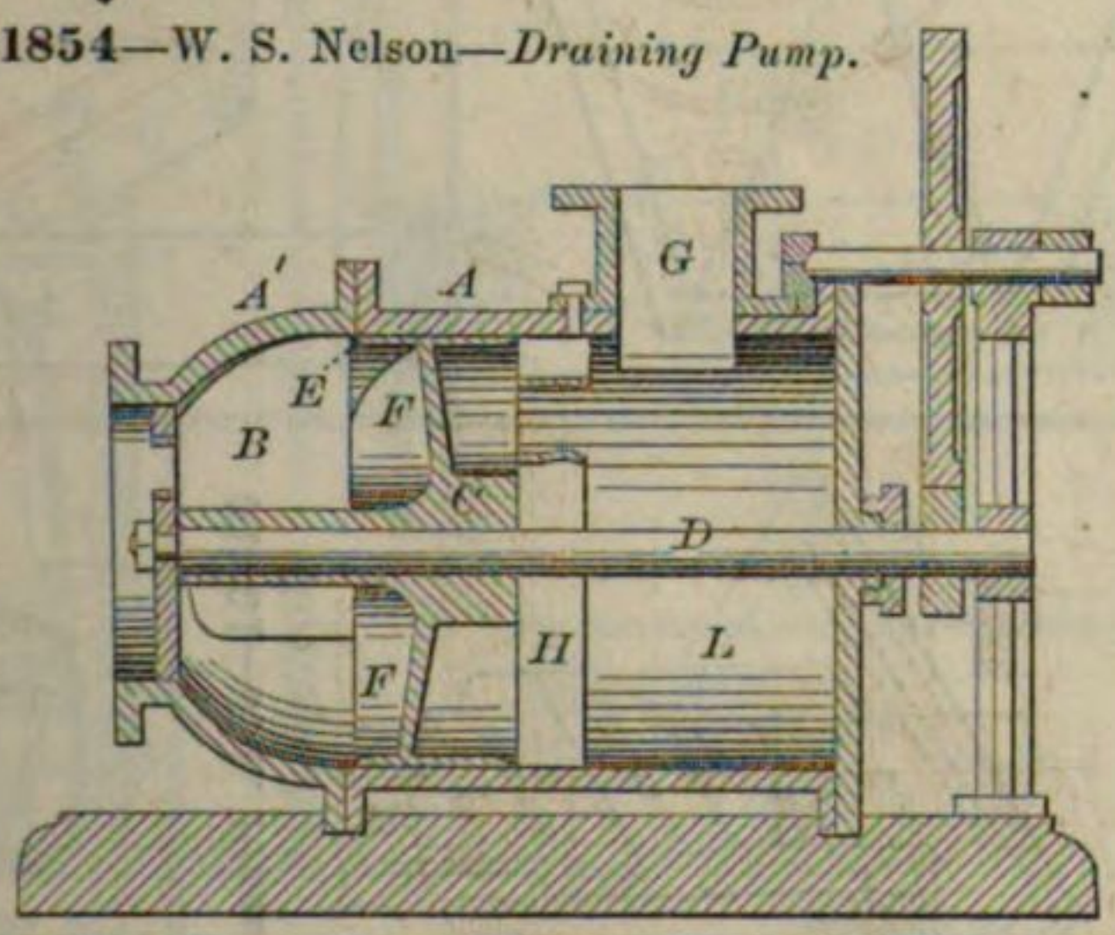


51853—G. Mosman—*Carpet Stretcher.*

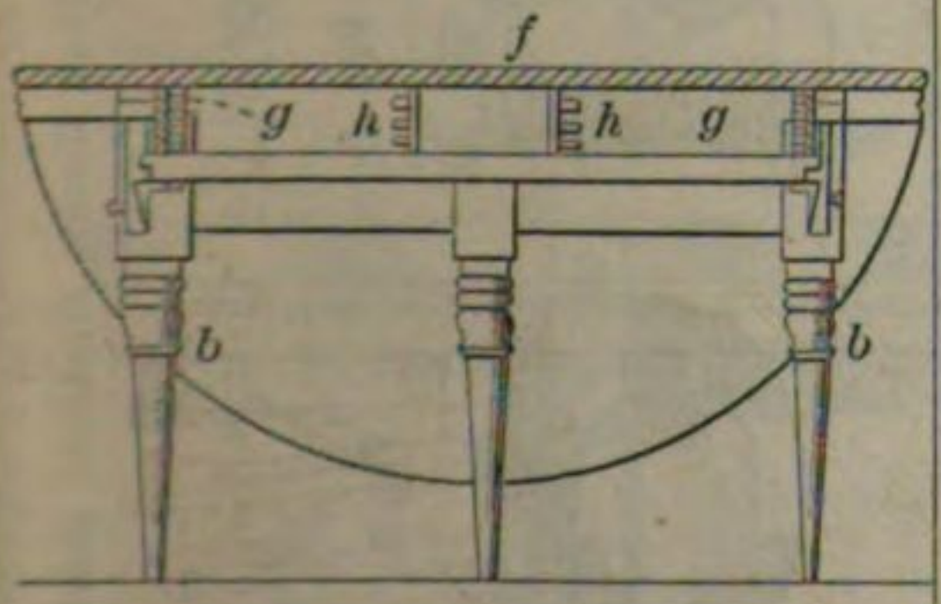


51856—H. H. Palmer—*Bed Bottom.*

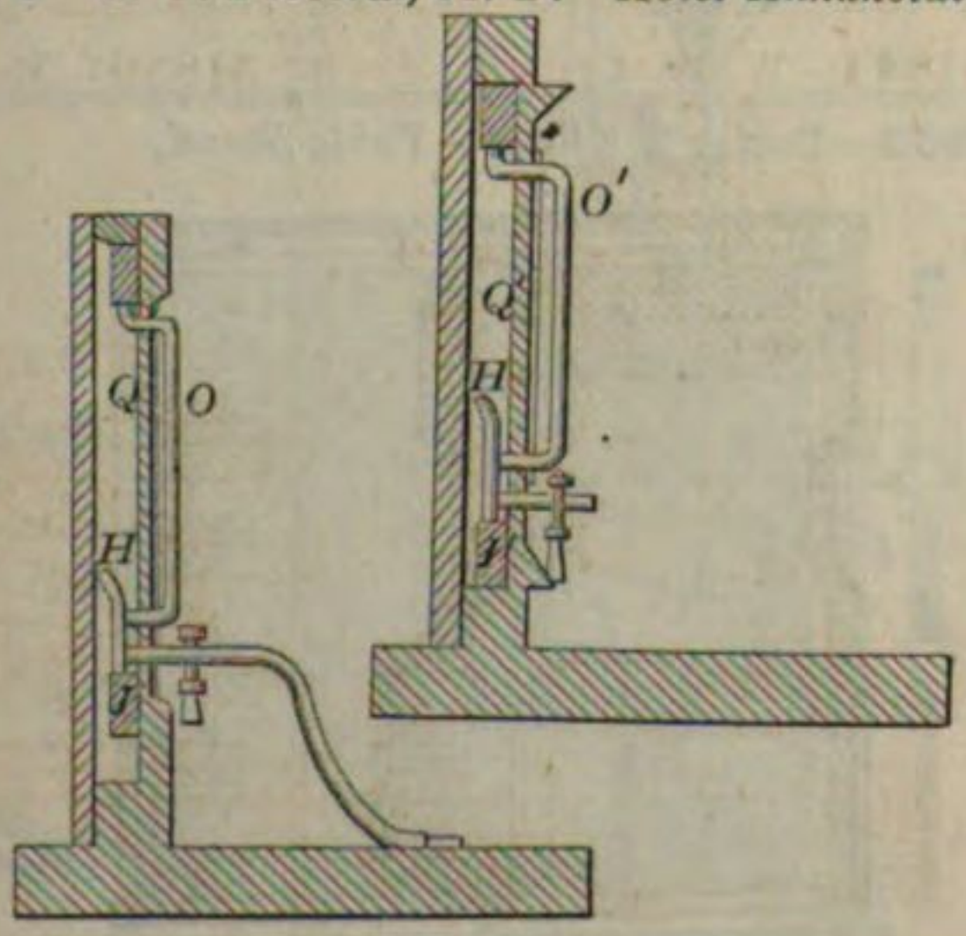
51854—W. S. Nelson—*Draining Pump.*



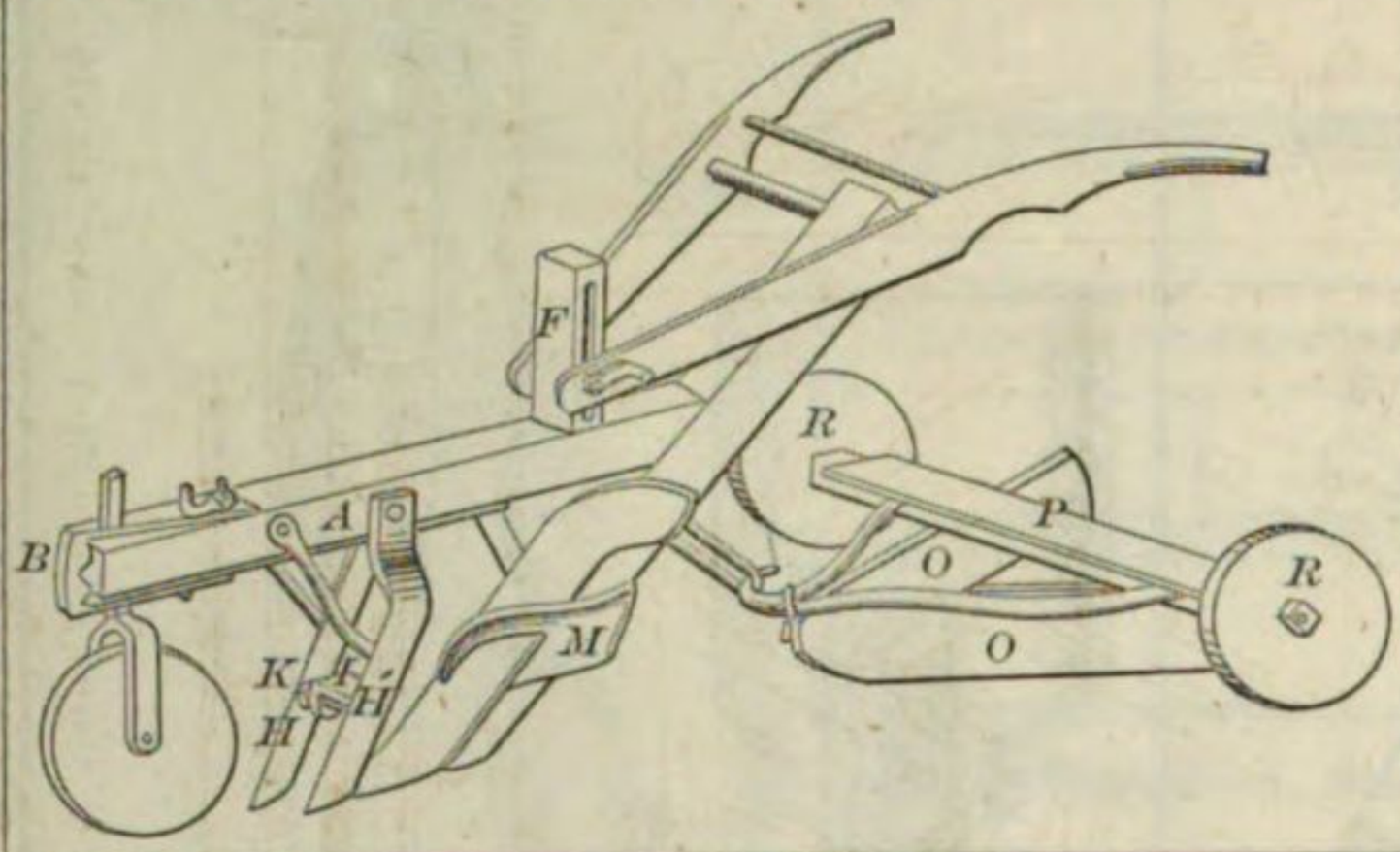
51855—F. R. Osgood—*Extension Table.*



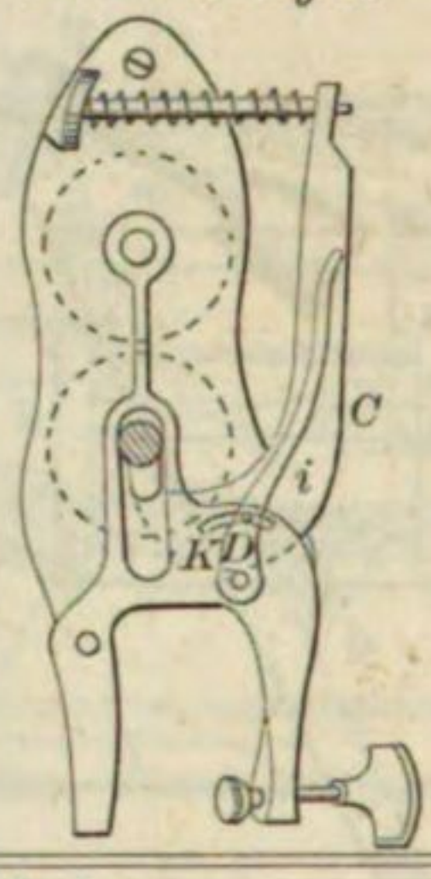
51858—G. G. Percival, M. D.—*Hotel Annunciator.*



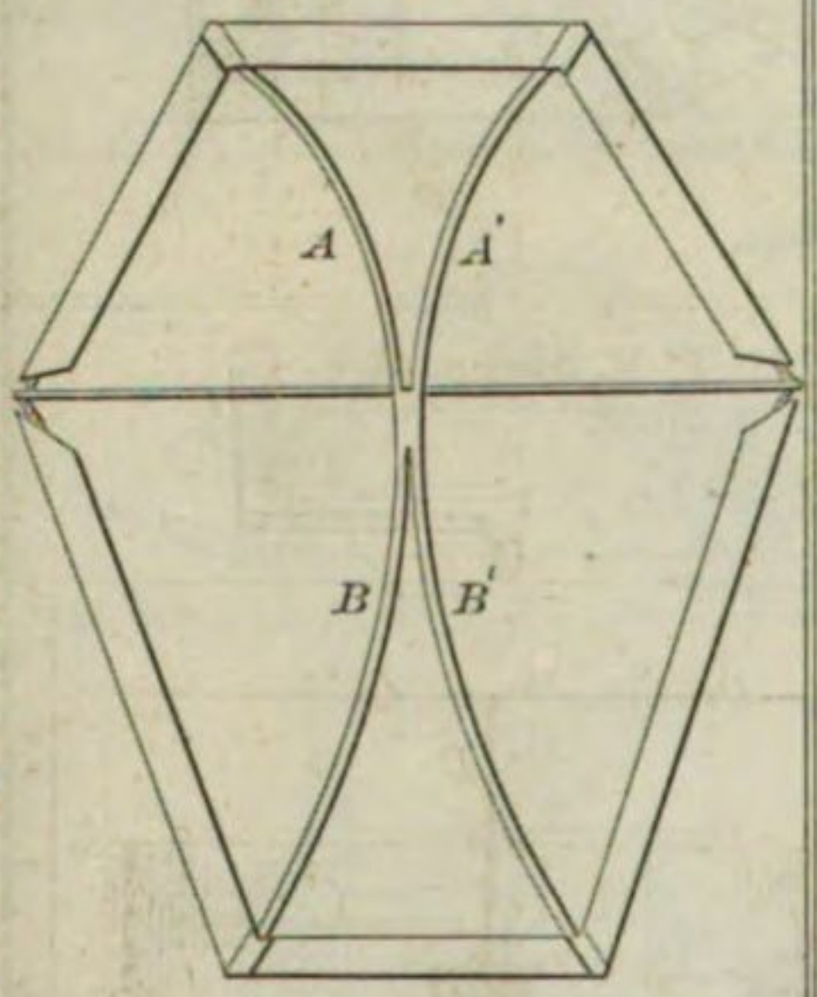
51859—W. M. Perkins—*Ditching Machine.*



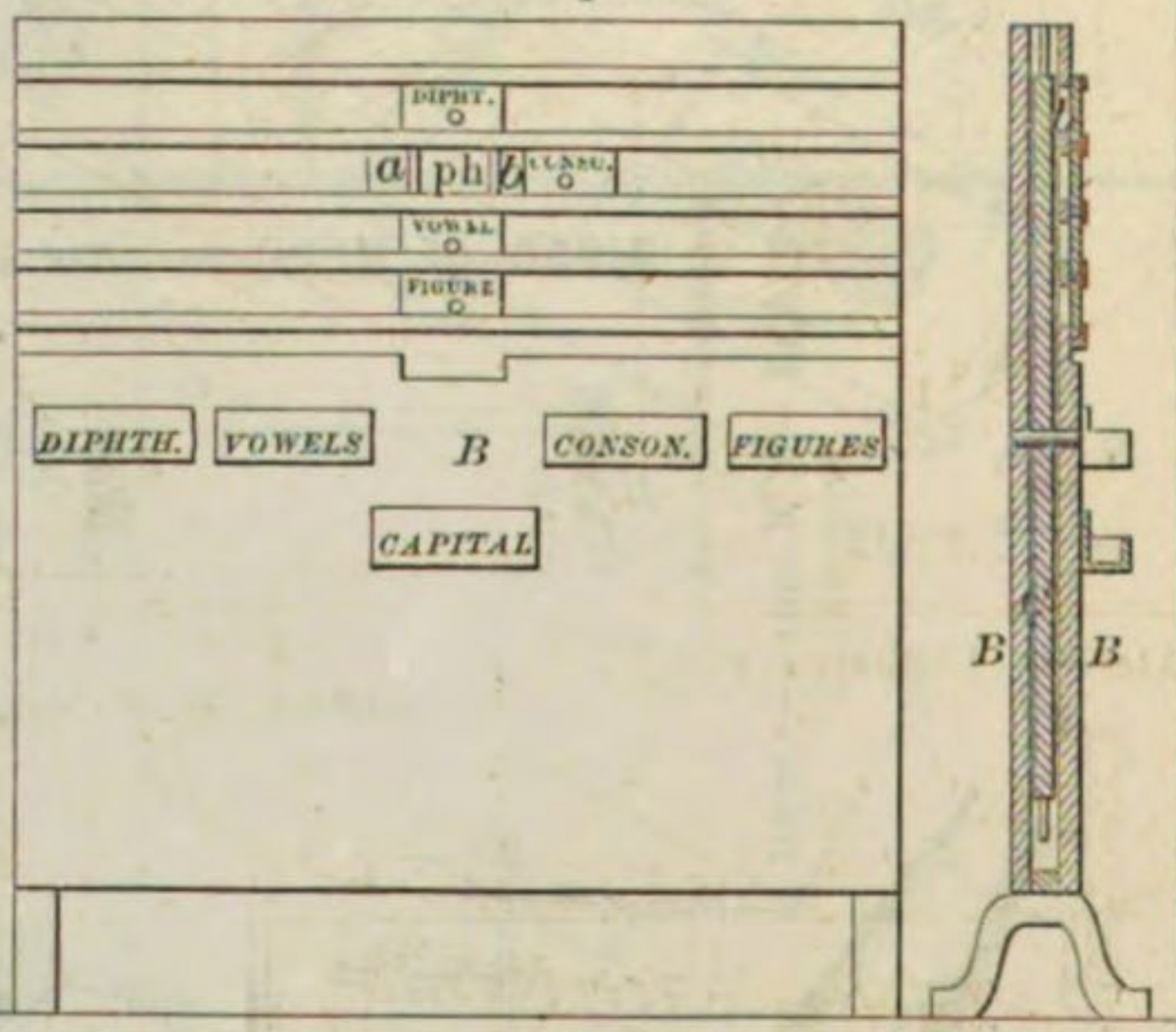
51862—J. F. Pond—*Clothes Wringer.*



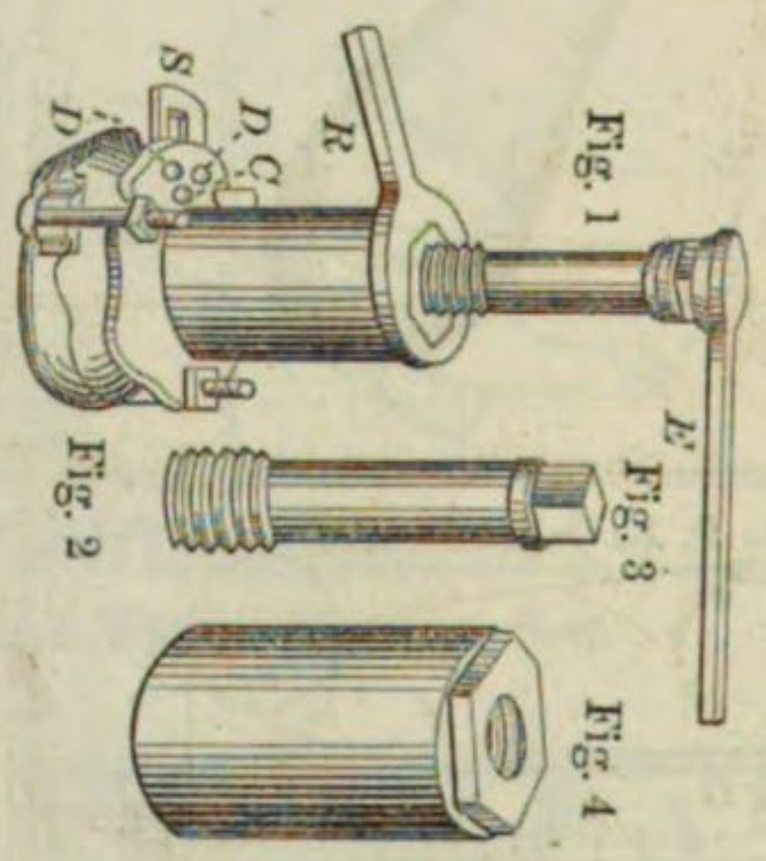
51860—T. Perrins—*Kite.*



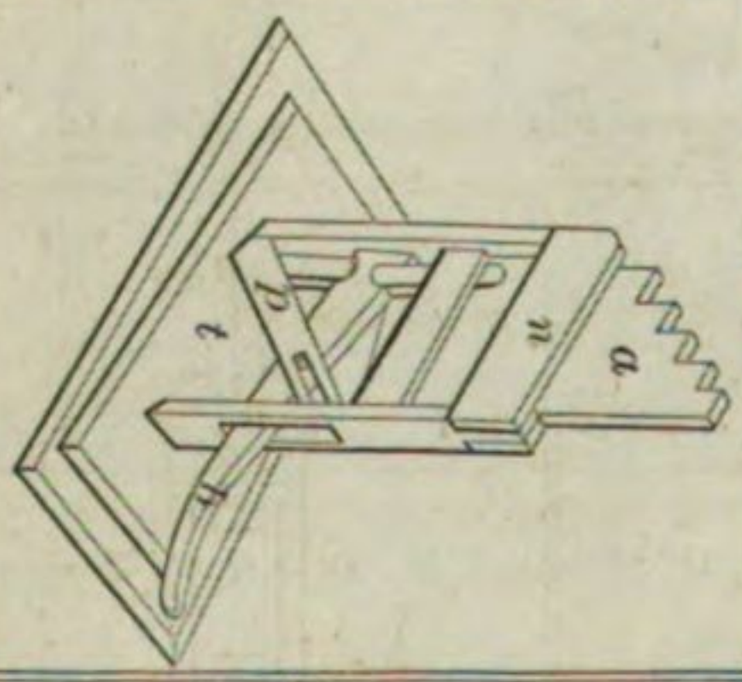
51864—J. H. R. Reffelt—*Alphabeticon.*



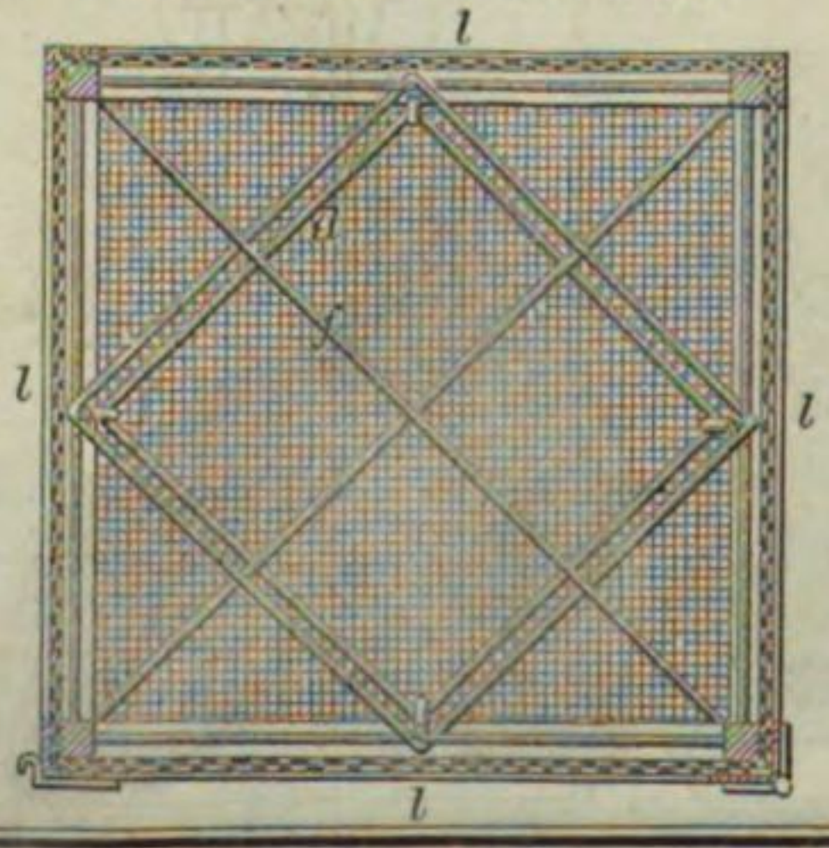
51865—J. C. Robie—*For Filling Moulds for Hard Rubber.*



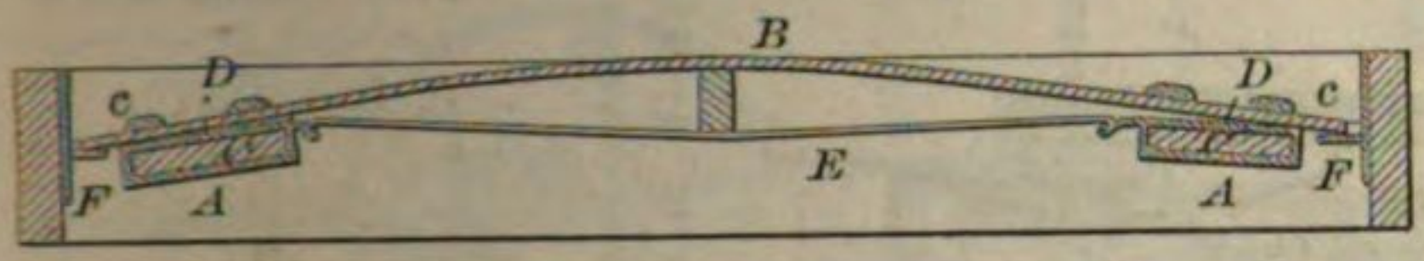
51861—J. C. Plumer—*Carriage Jack.*



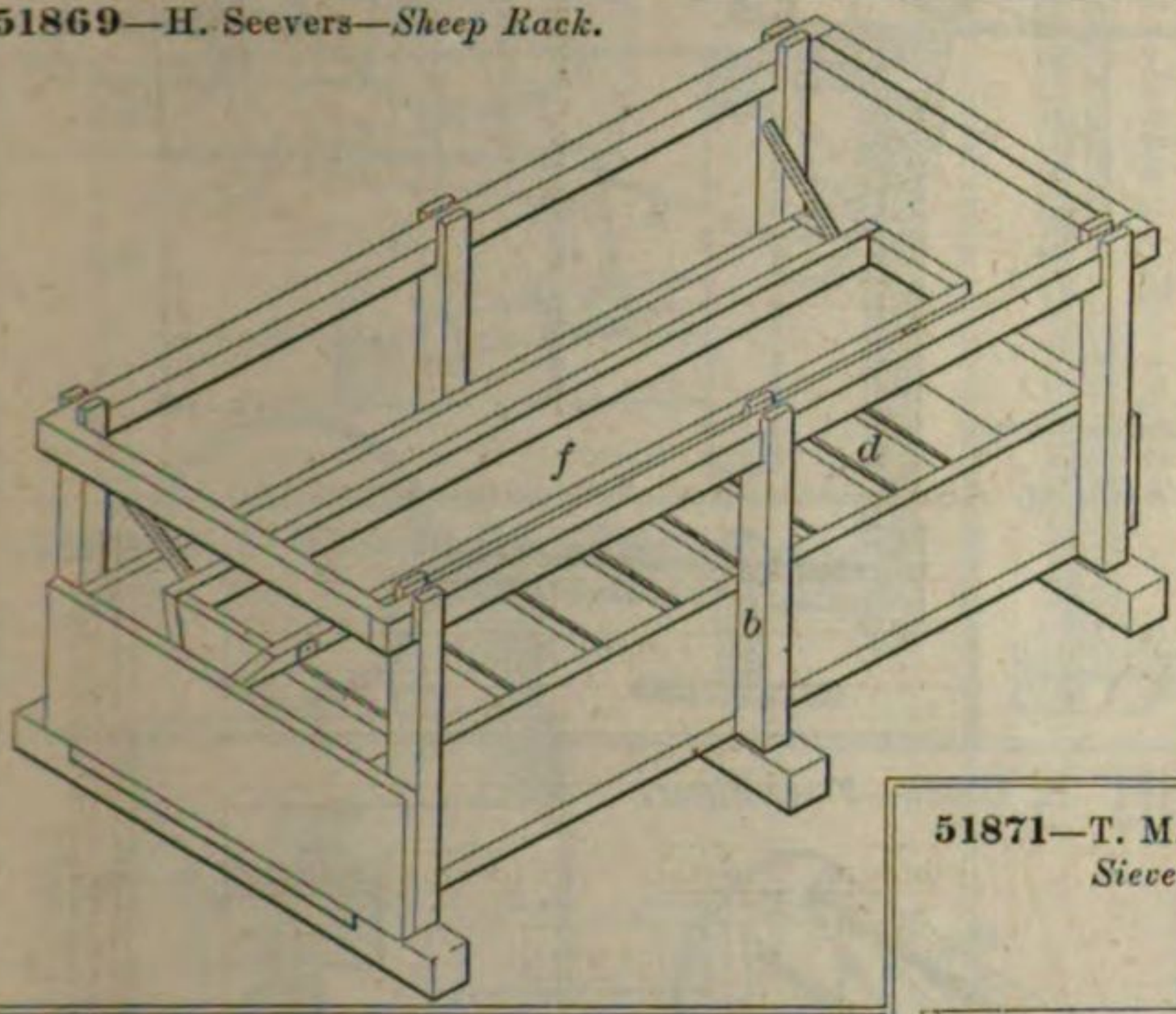
51863—Porter & Glines—*Table Stand.*



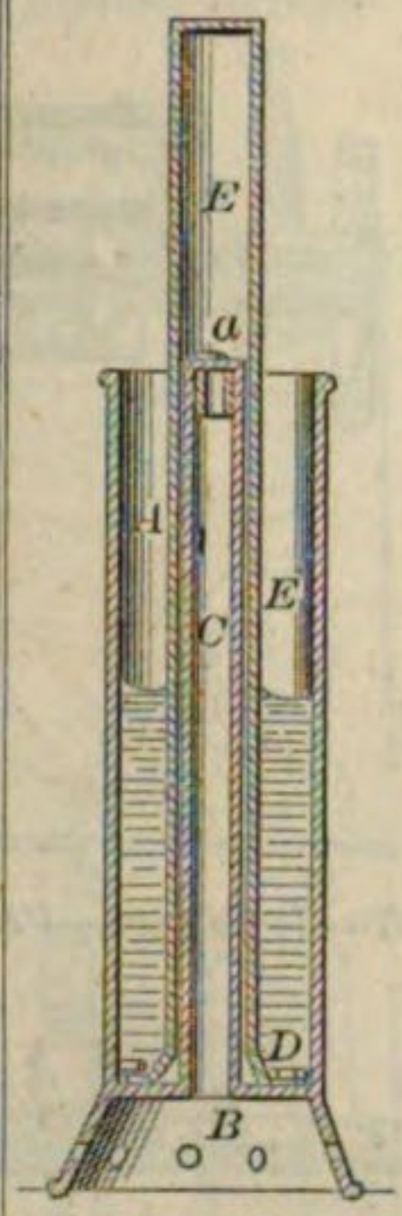
51866—W. W. Robinson—*Bed Bottom.*



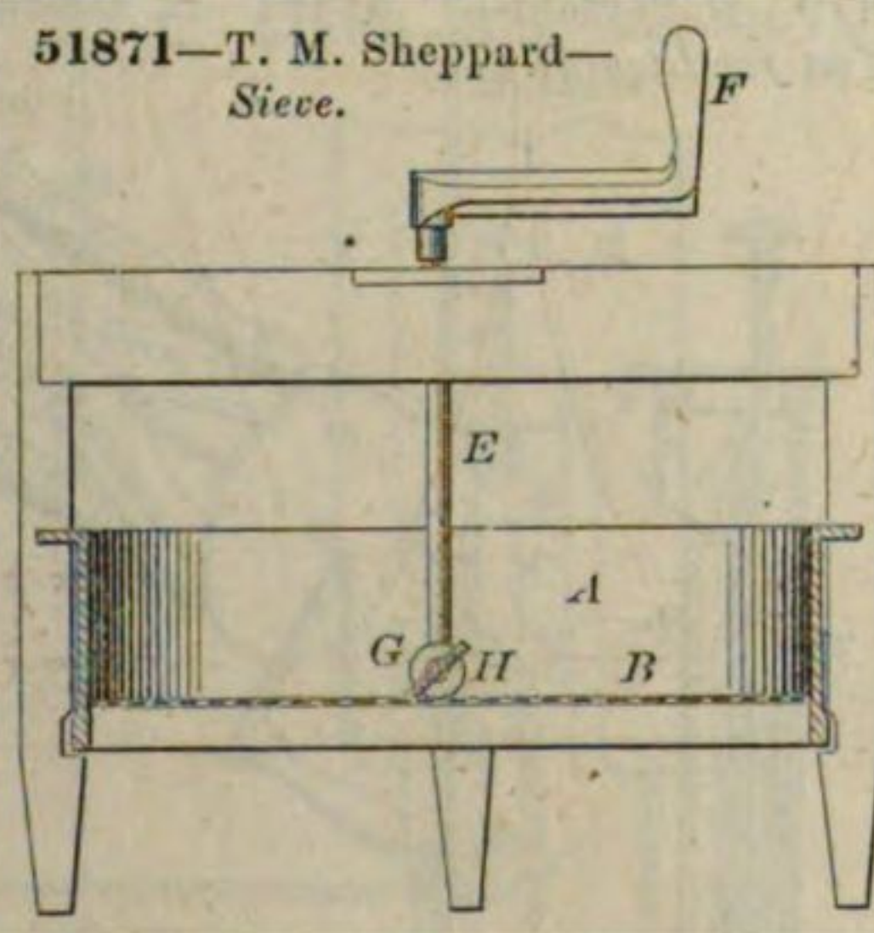
51869—H. Seevers—*Sheep Rack.*



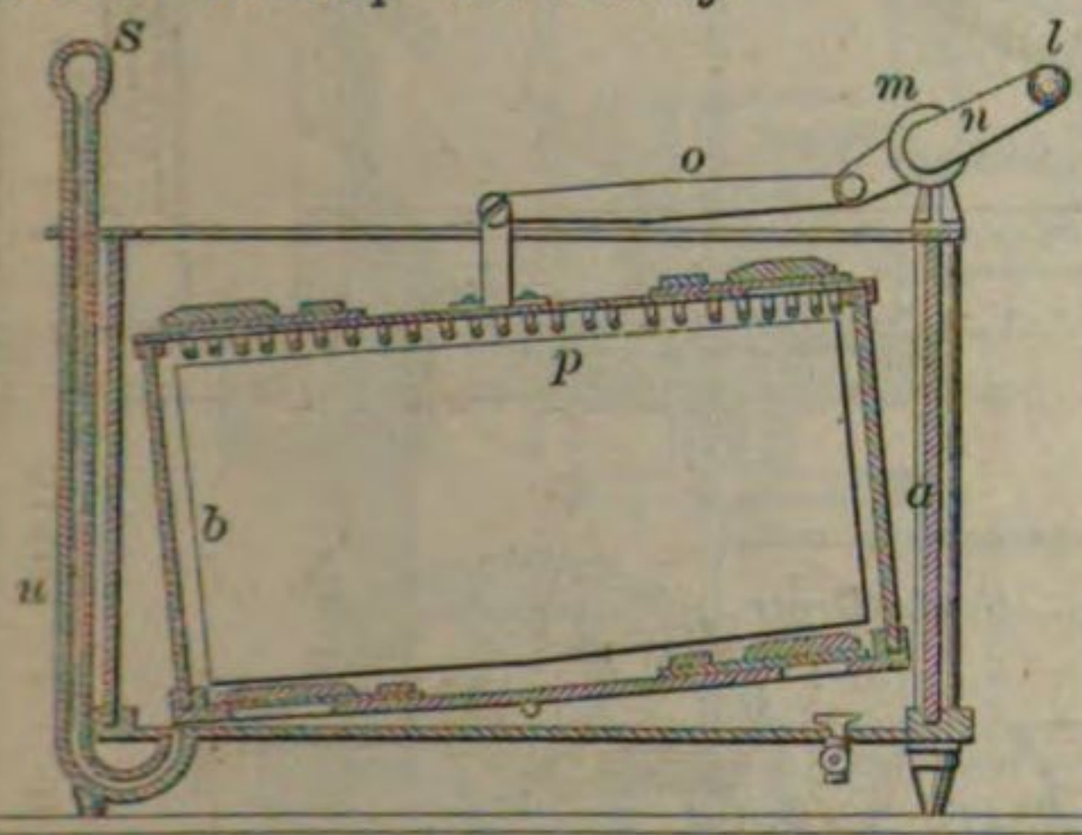
51873—Shurr & Palmer—*Churn.*



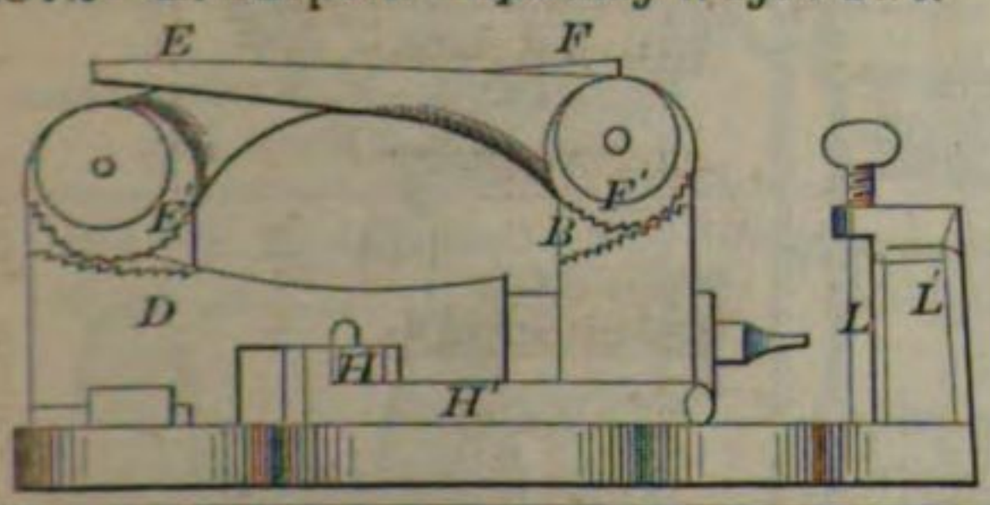
51871—T. M. Sheppard—*Sieve.*



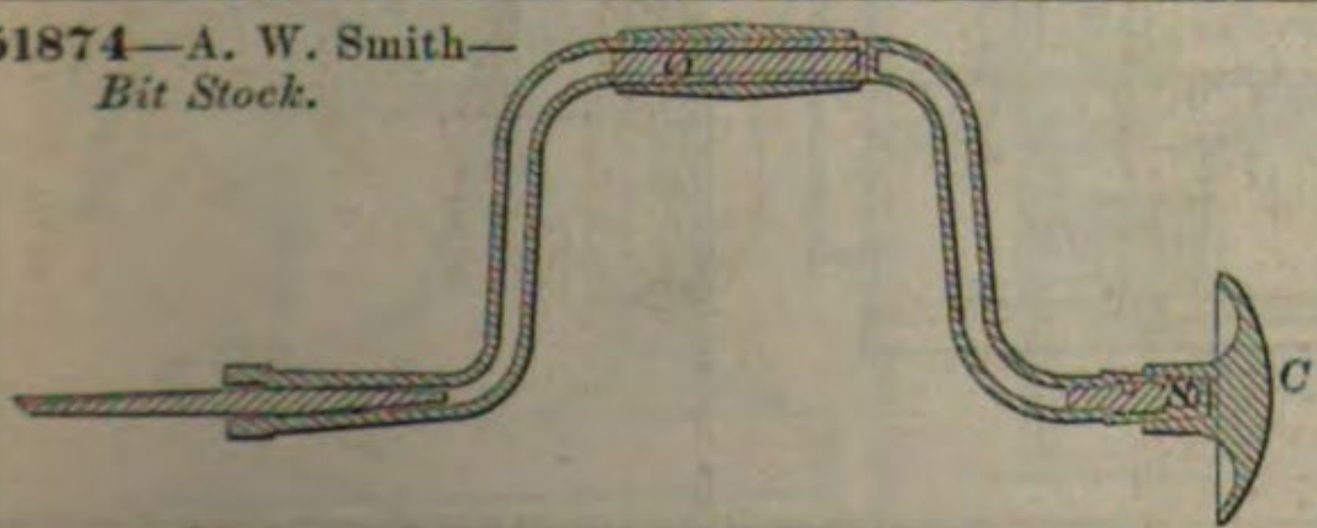
51870—T. Sharp—*For Tanning.*



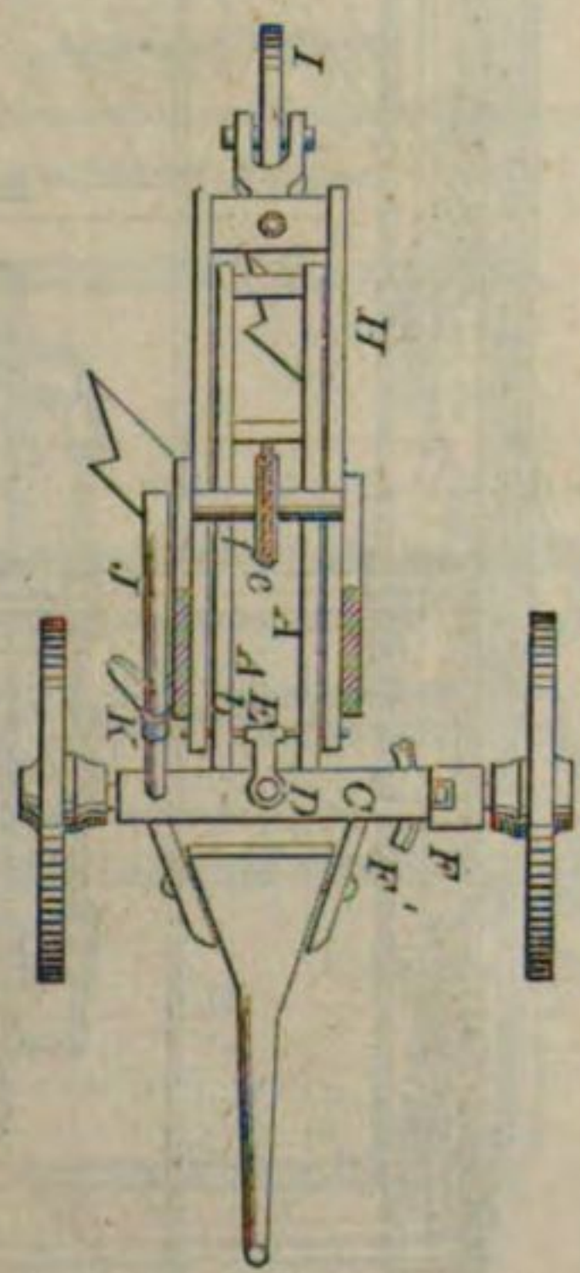
51872—E. Shopbell—*Upsetting Wagon Tire.*



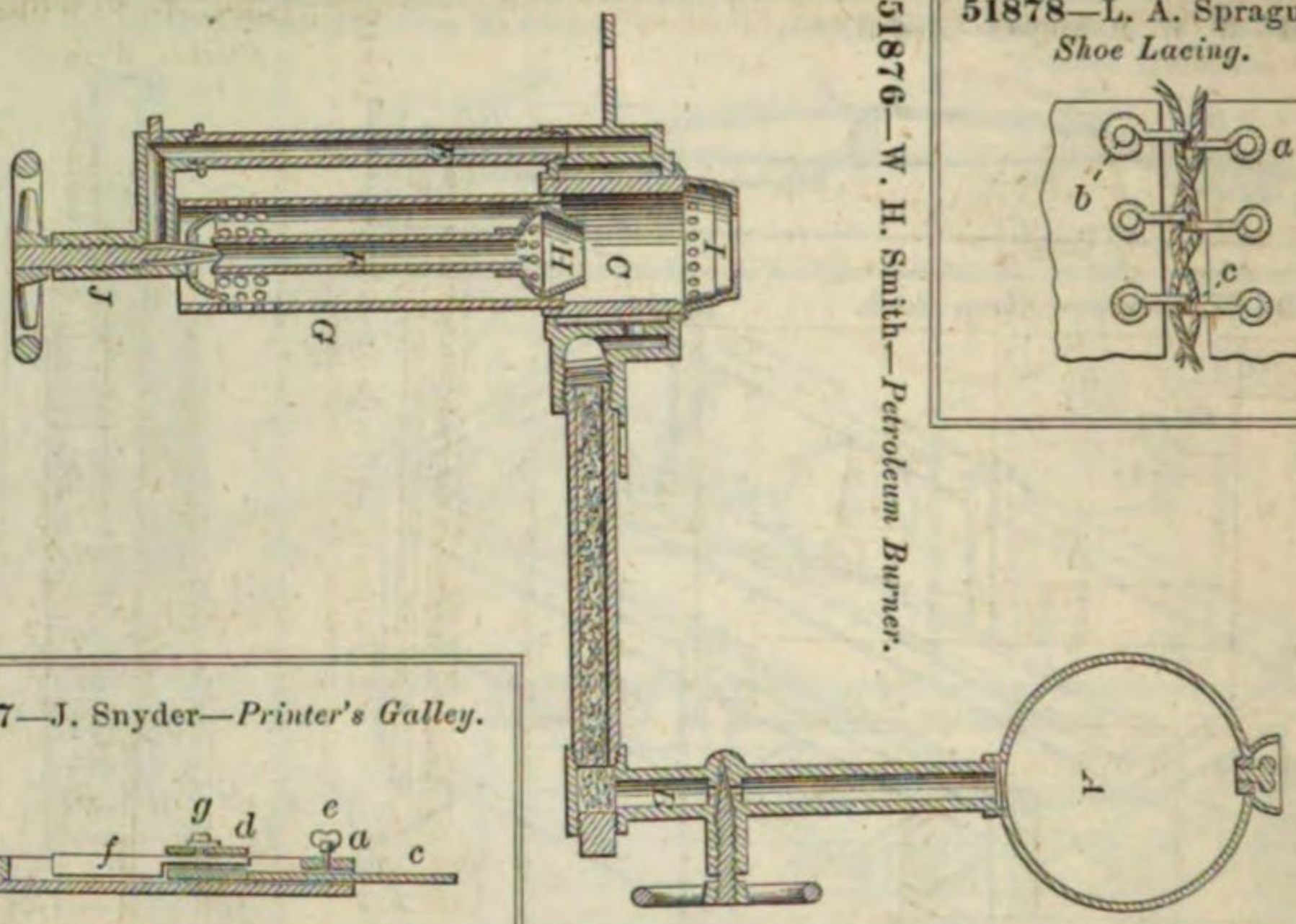
51874—A. W. Smith—*Bit Stock.*



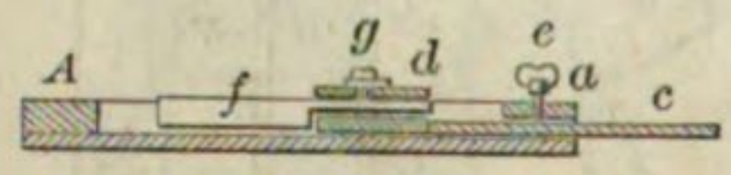
51875—H. C. Smith—*Gang Plow.*



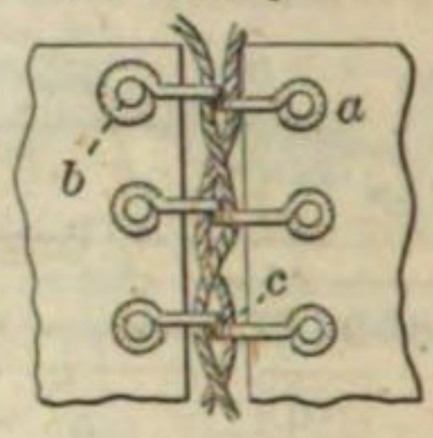
51876—W. H. Smith—*Petroleum Burner.*



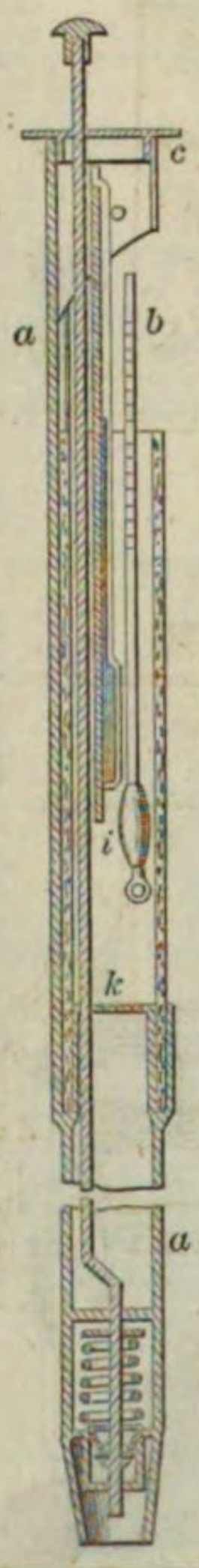
51877—J. Snyder—*Printer's Galley.*



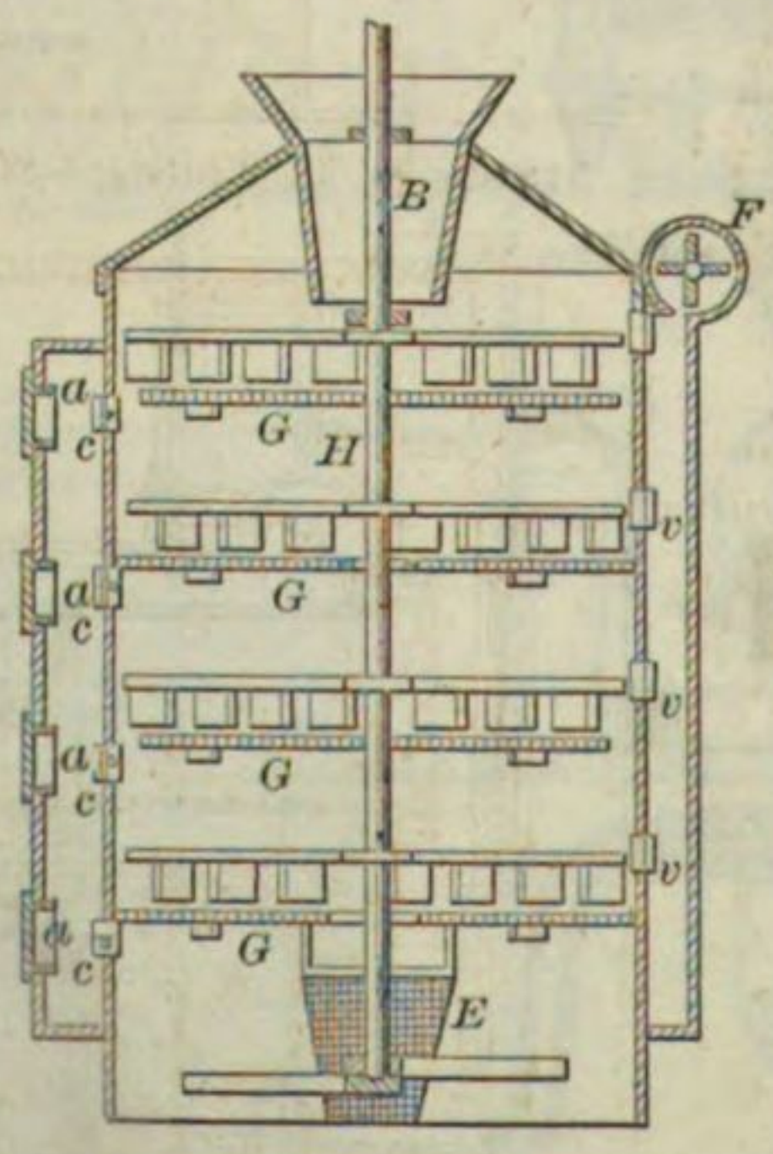
51878—L. A. Sprague—*Shoe Lacing.*



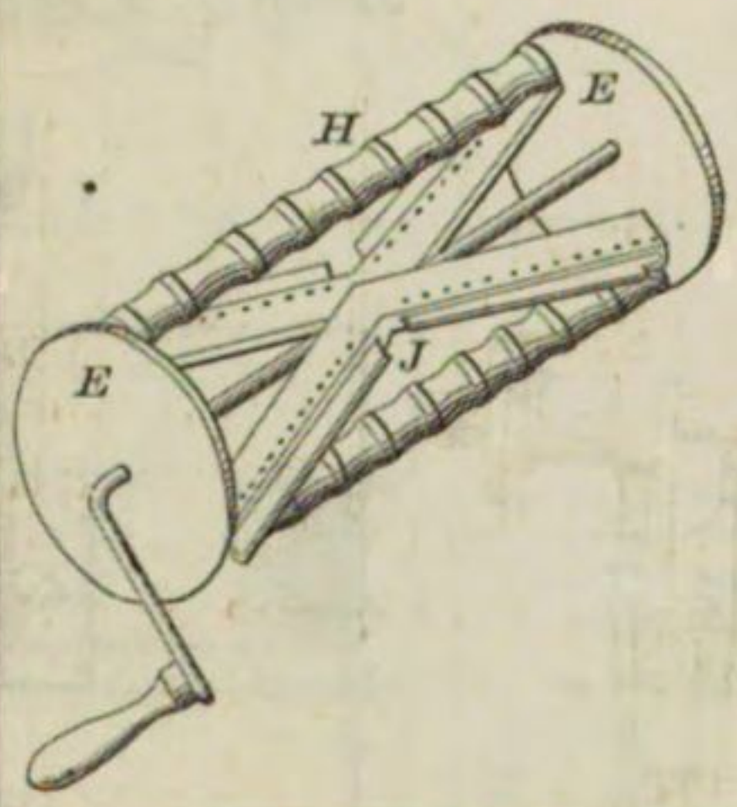
51879—N. Stafford—*Test for Liquids.*



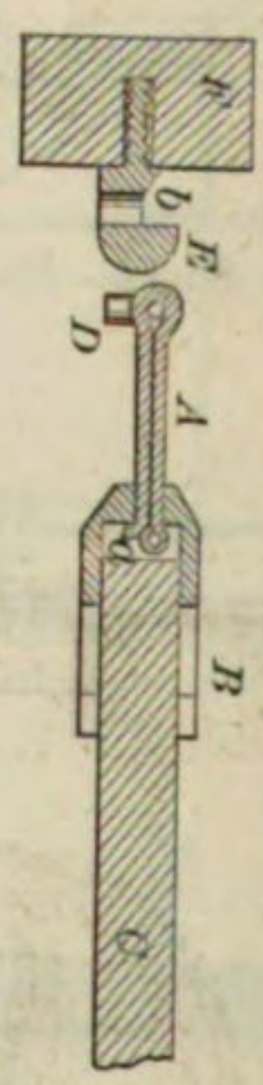
51880—R. T. Sutton—*Grain Dryer.*



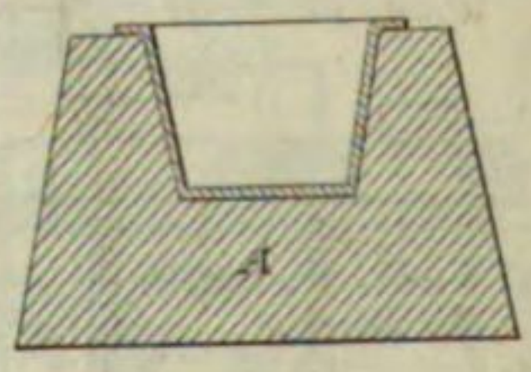
51881—H. Tilden—*Flour Sifter.*



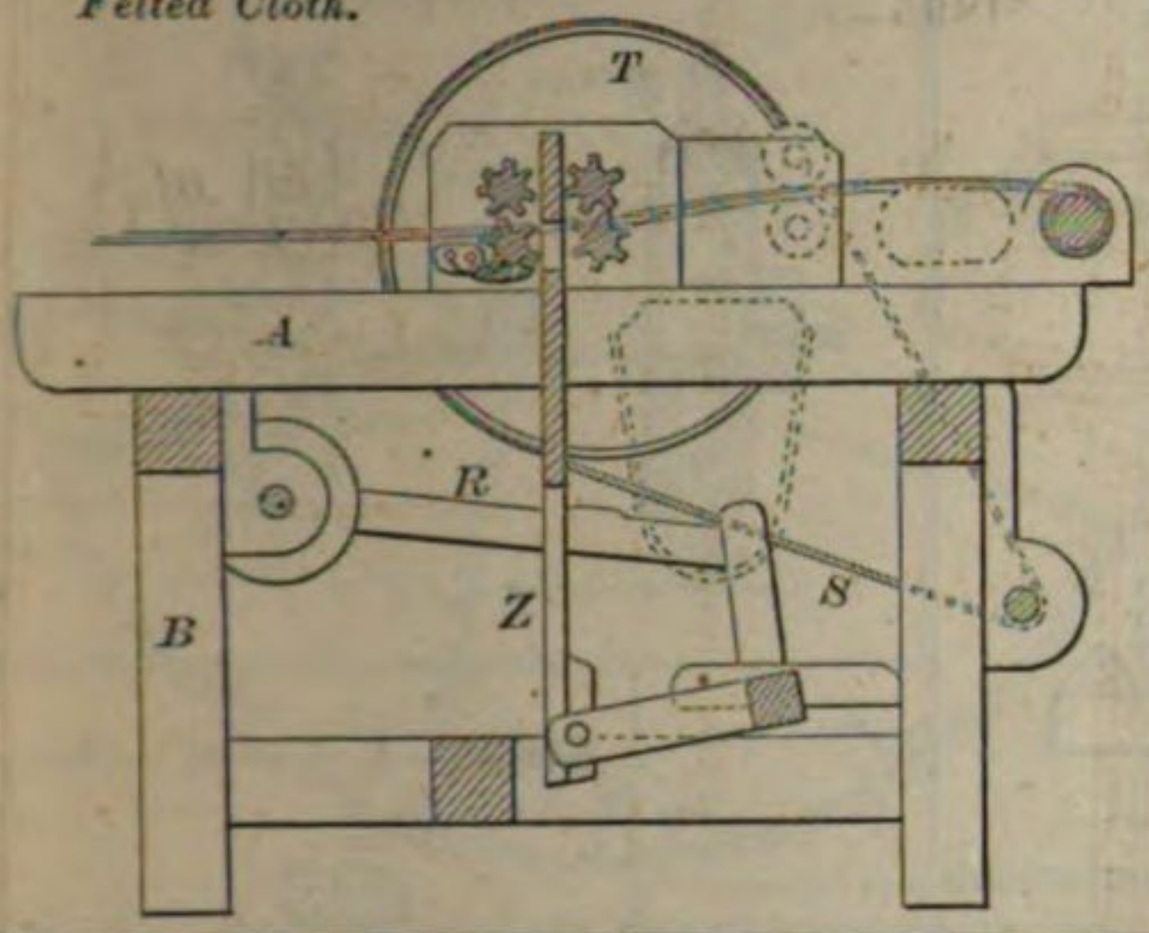
51882—A. M. Tomb—*Bed Bottom.*



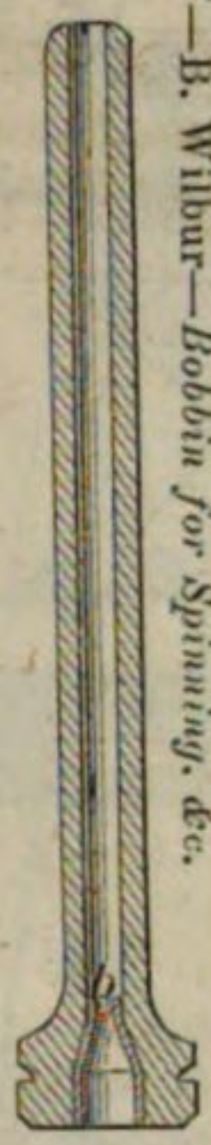
51883—M. Wells—*Sheet Metal Ware Die.*



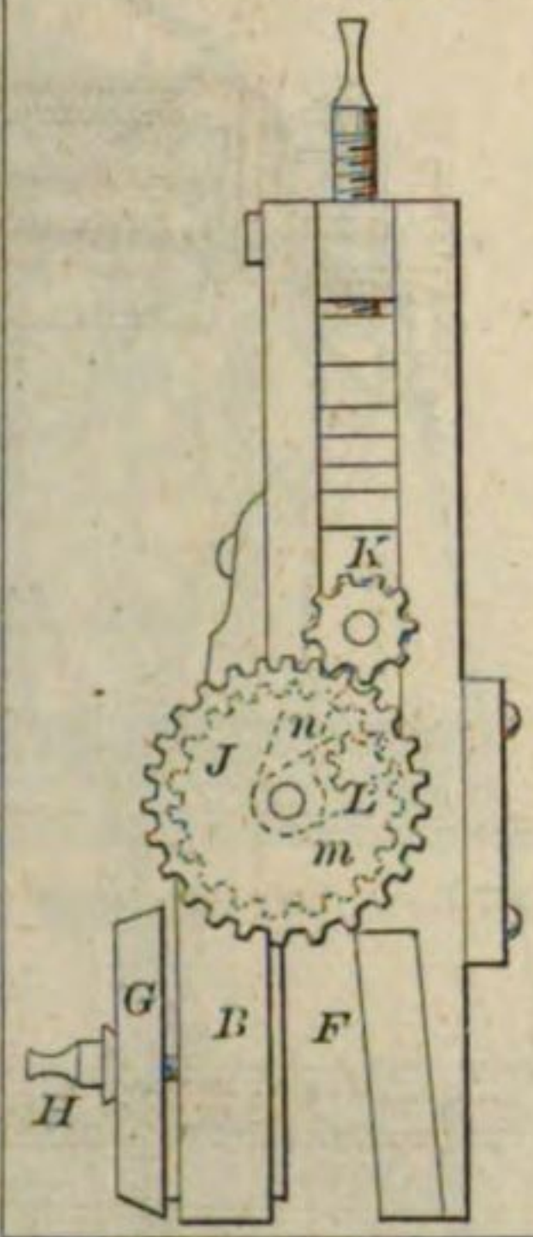
51884—M. D. Whipple—*Fulling and Finishing Felted Cloth.*



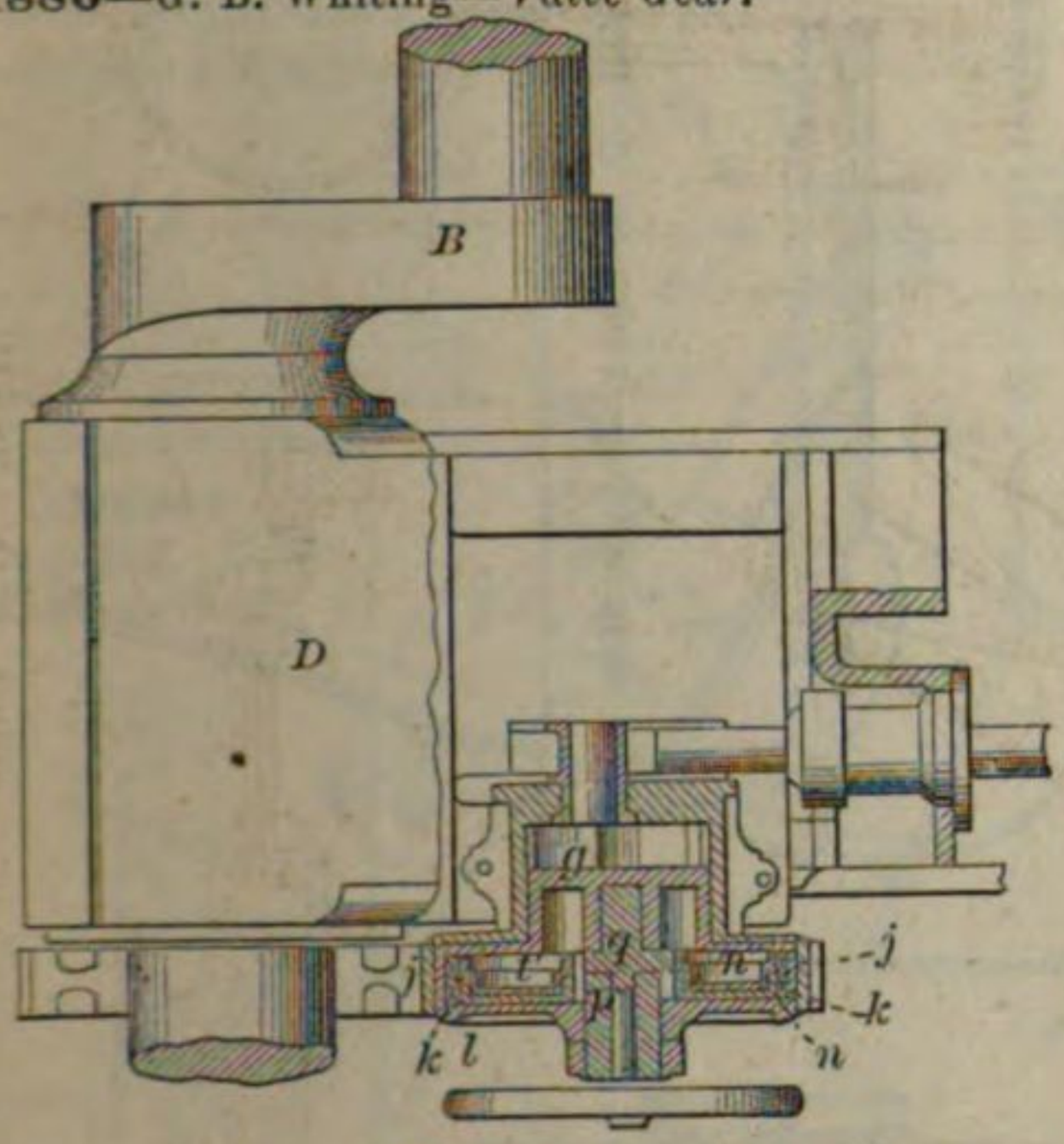
51887—B. Wilbur—*Bobbin for Spinning, &c.*



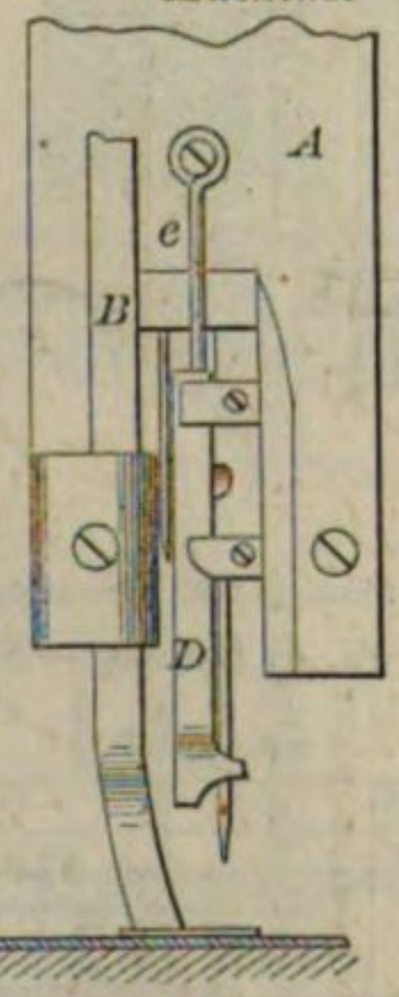
51888—D. F. Williams—*Clothes Wringer.*

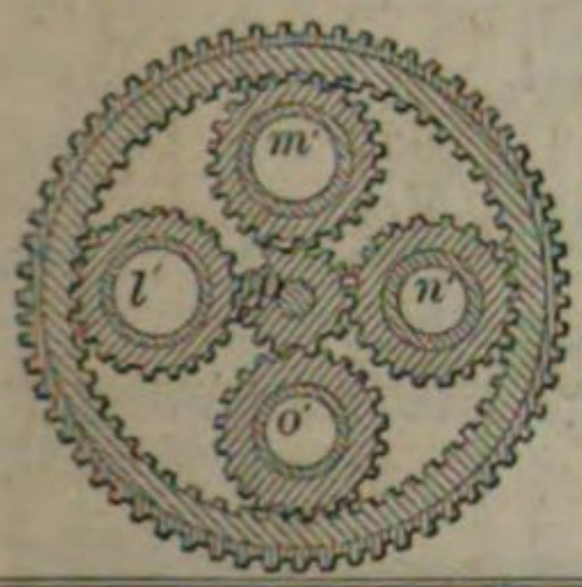


51886—G. B. Whiting—*Valve Gear.*

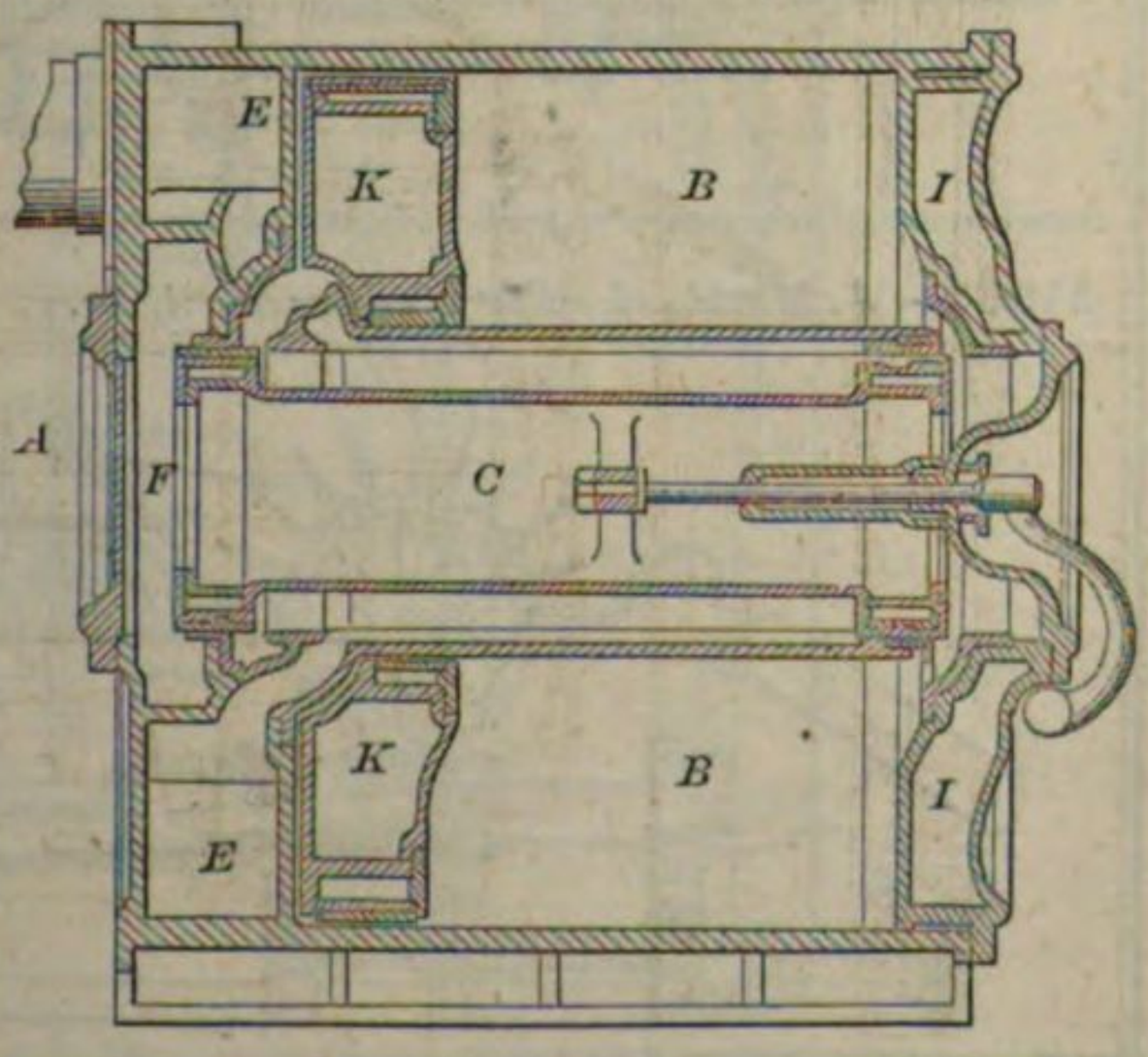


51890—E. E. Bean—*Sewing Machine.*

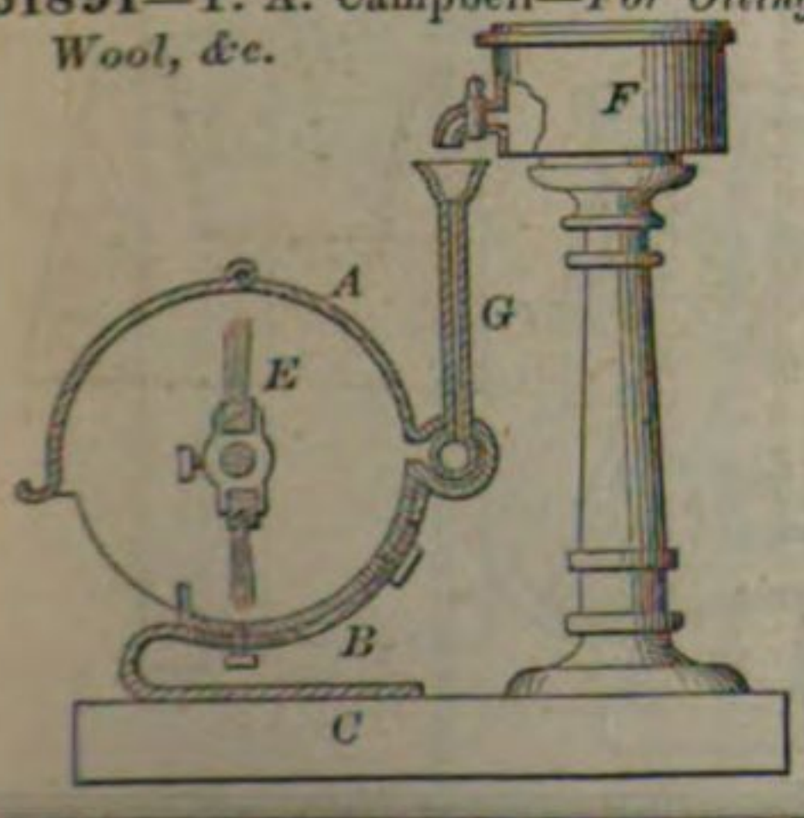




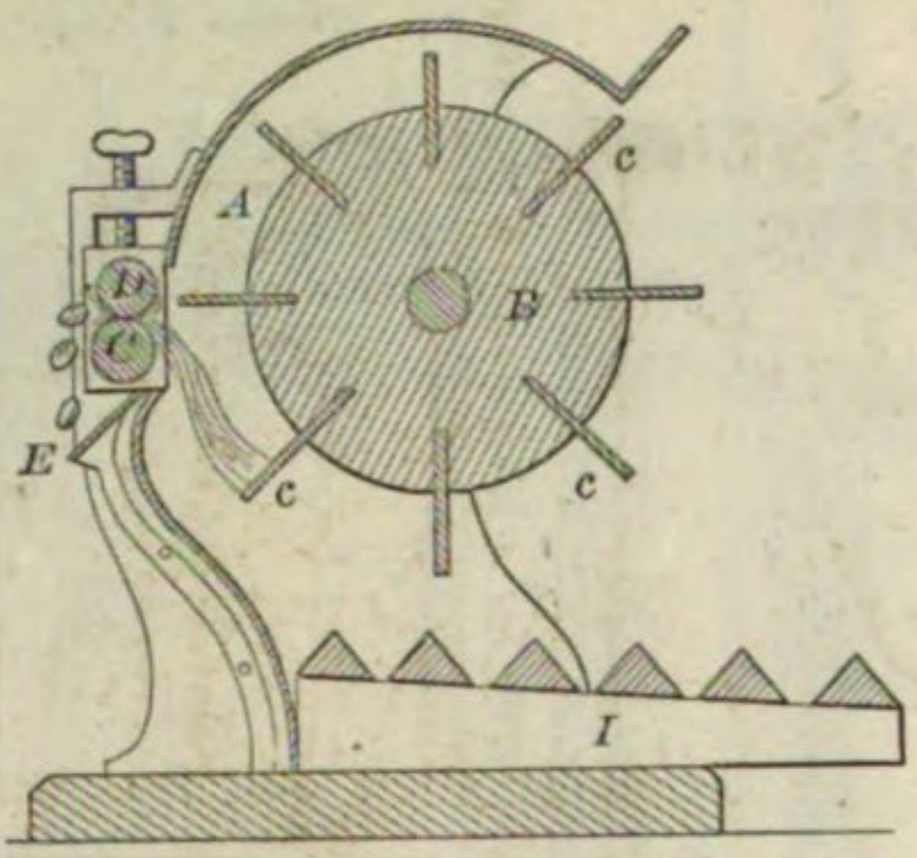
51885—G. B. Whiting—*Steam Engine.*



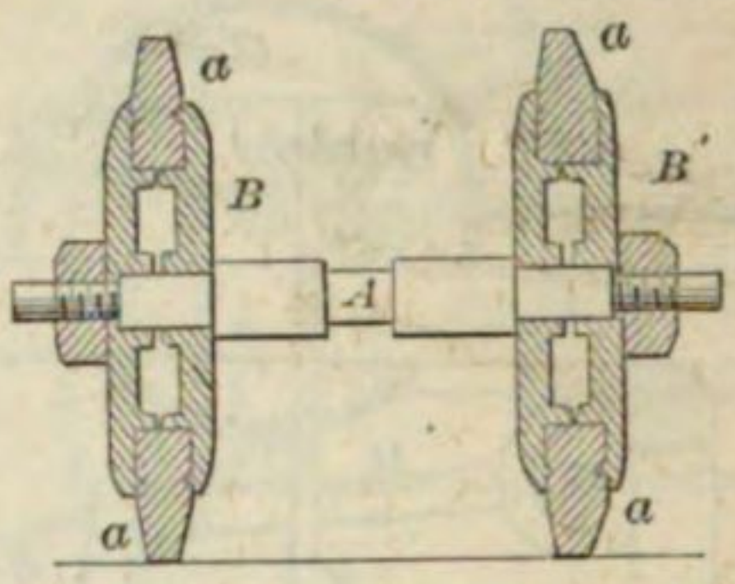
51891—T. A. Campbell—*For Oiling Wool, &c.*



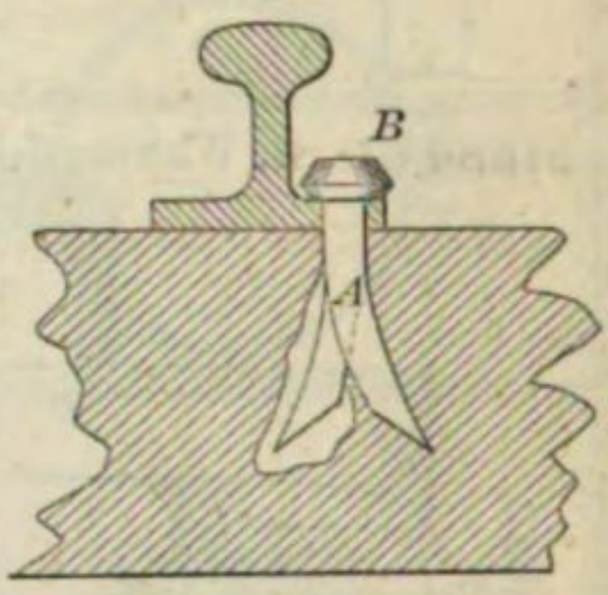
51892—J. E. Carver—*Cotton Gin.*



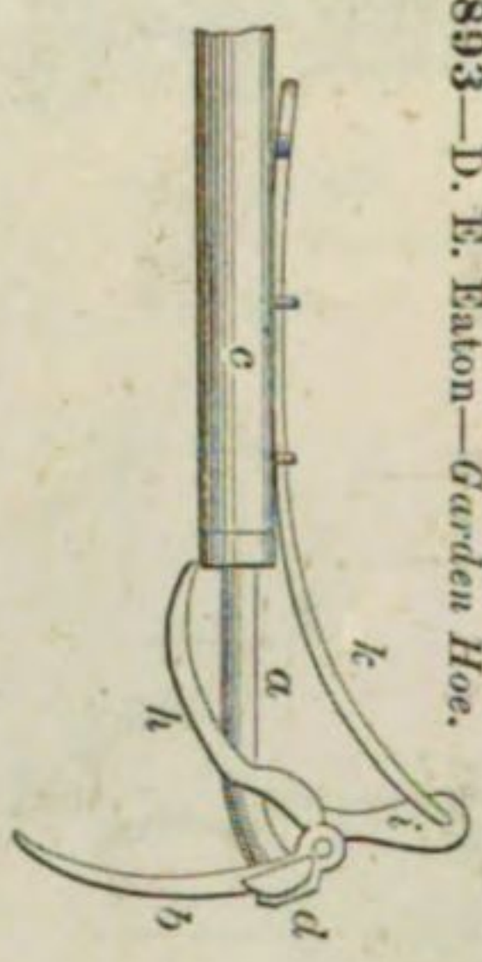
51895—H. Hall—*Drawing Rollers for Spinning.*



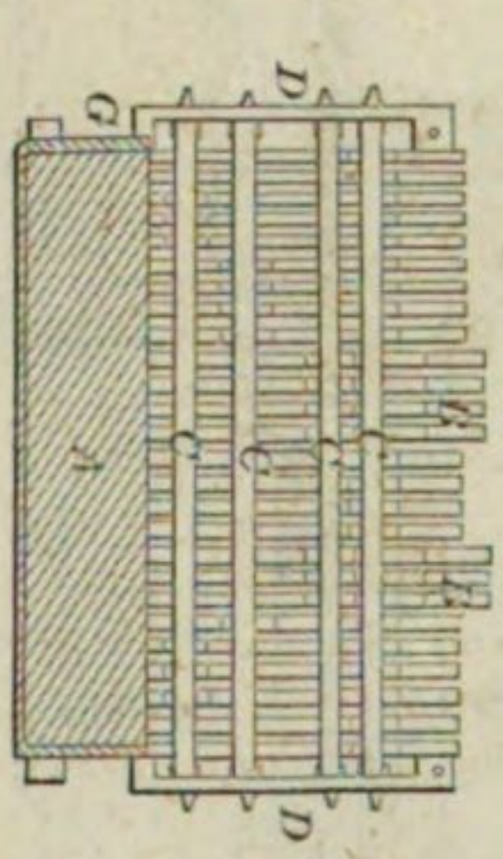
51897—L. Kirkup—*Spike.*



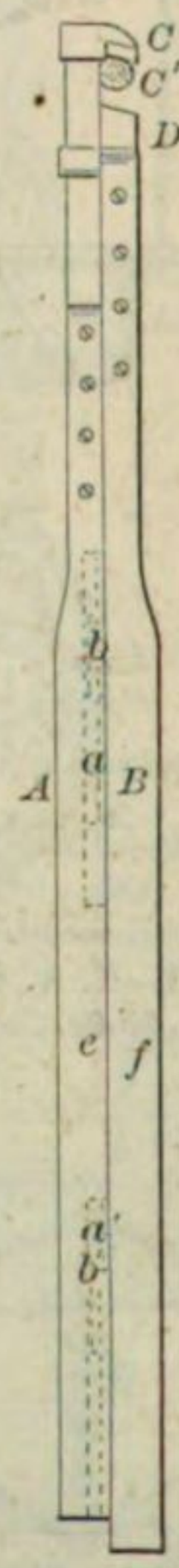
51893—D. E. Eaton—*Garden Hoe.*



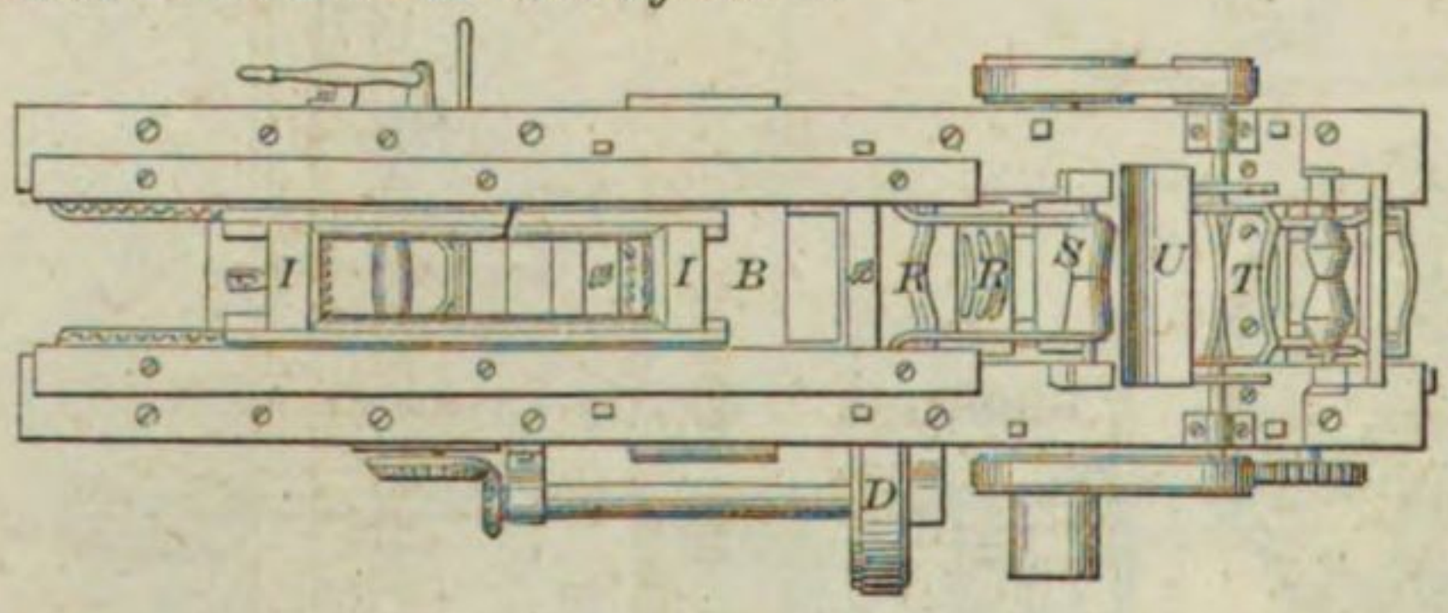
51898—J. Marchbank—*Printing Oil Cloths.*



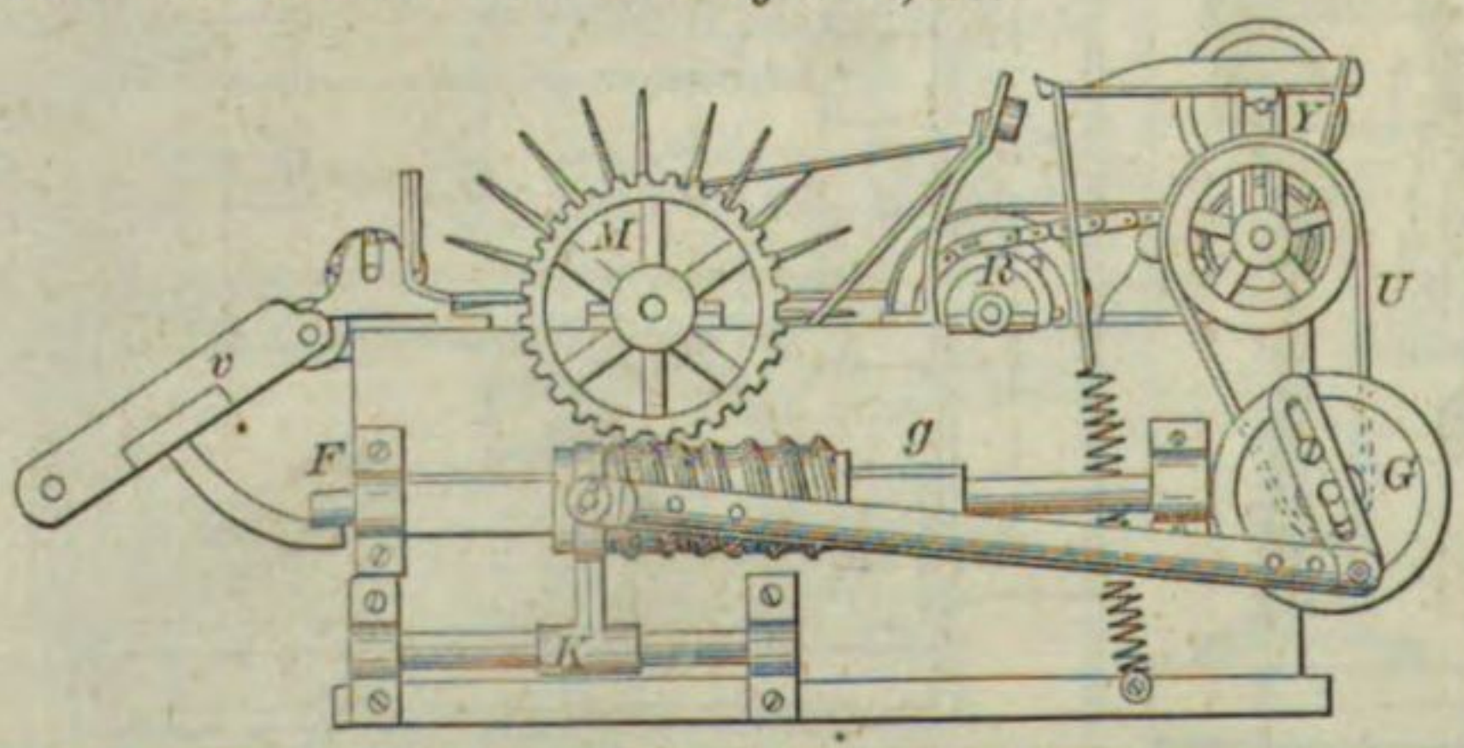
51899—W. S. McLean—*Pruning Hook.*



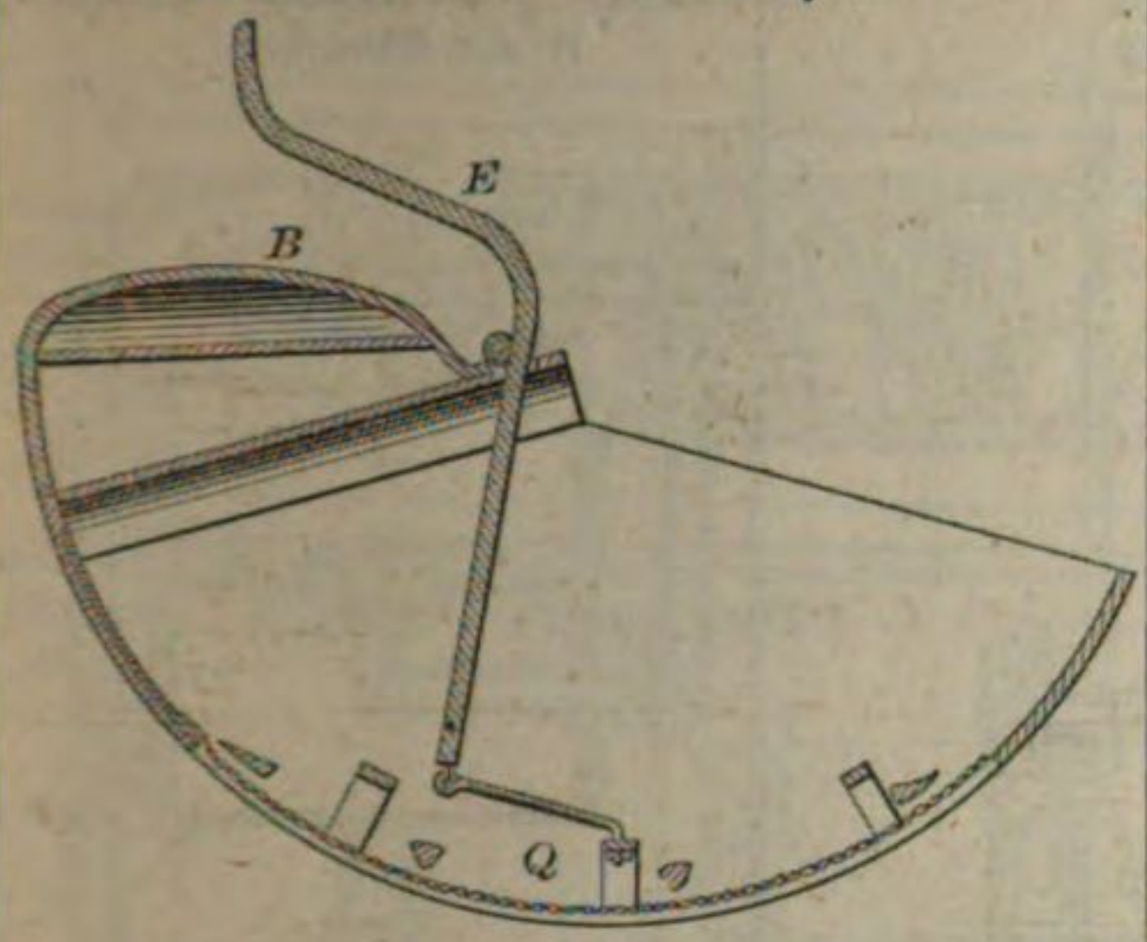
51896—C. J. Holman—*Sawing Staves.*



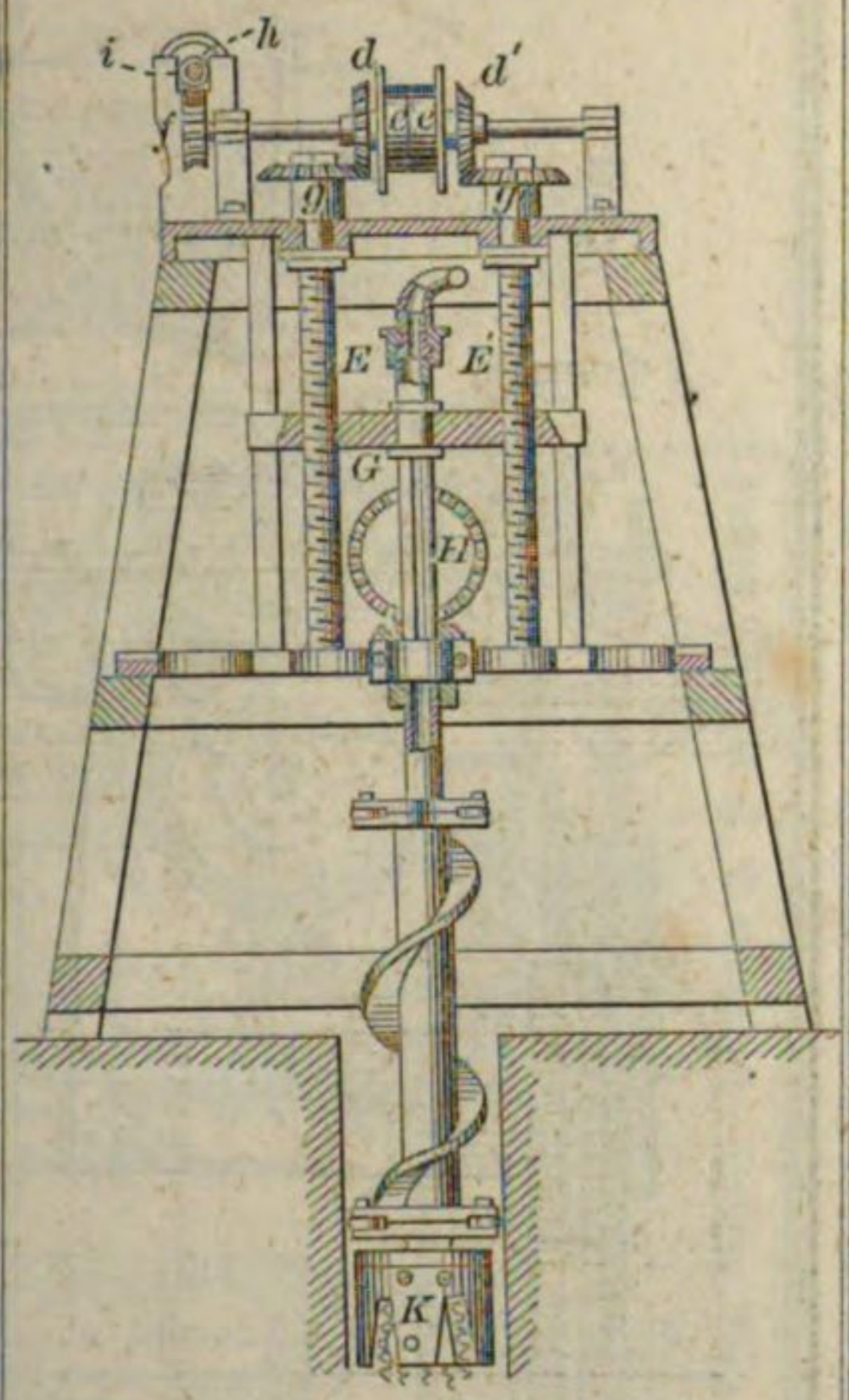
51900—W. Murkland—*For Washing Wool, &c.*



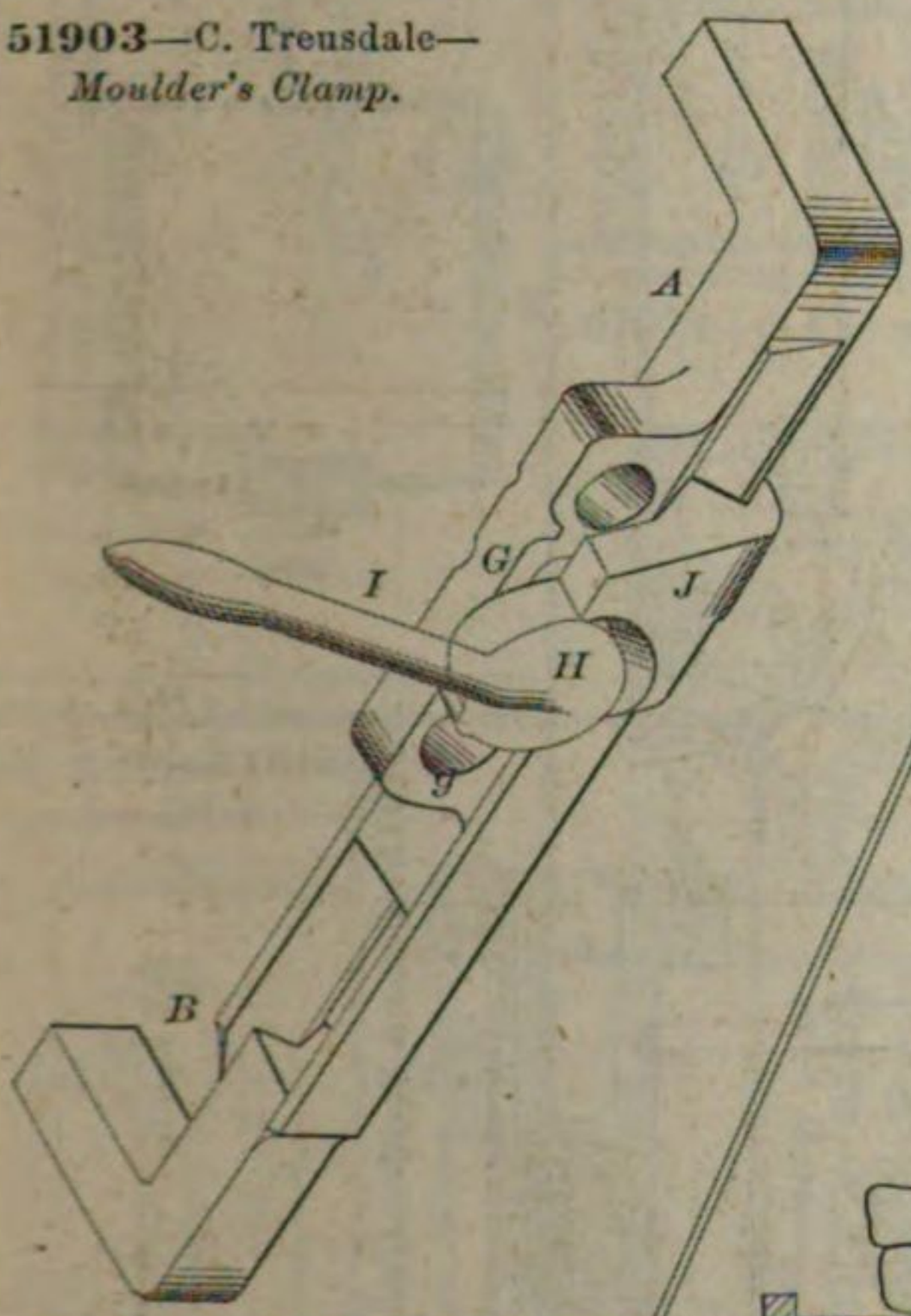
51901—D. T. Robinson—*Flour Sifter.*



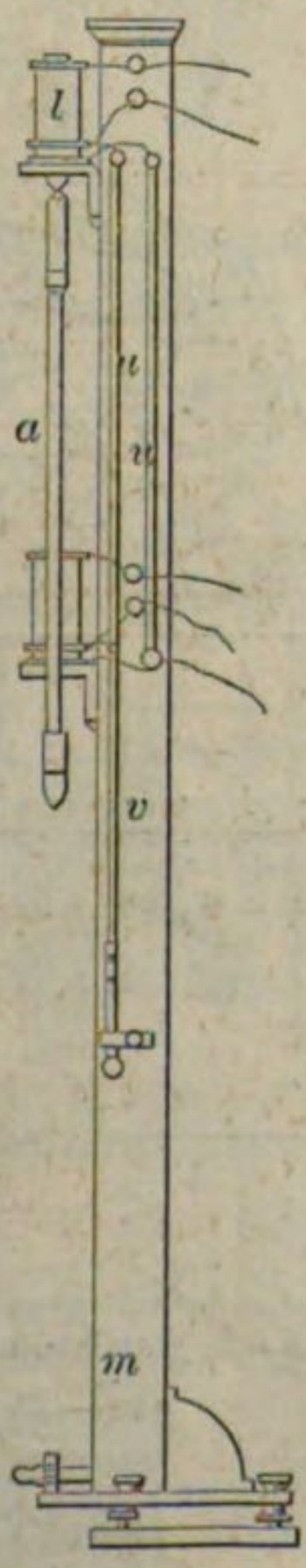
51902—P. Sweeney—*Rock Drill.*



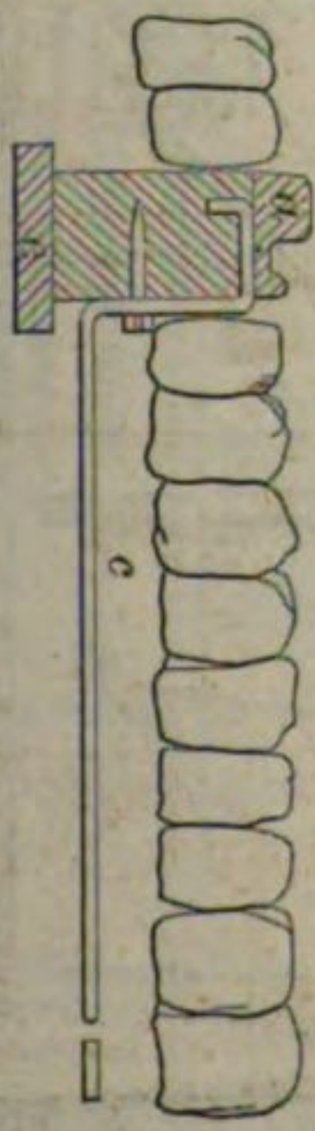
51903—C. Treusdale—
Moulder's Clamp.



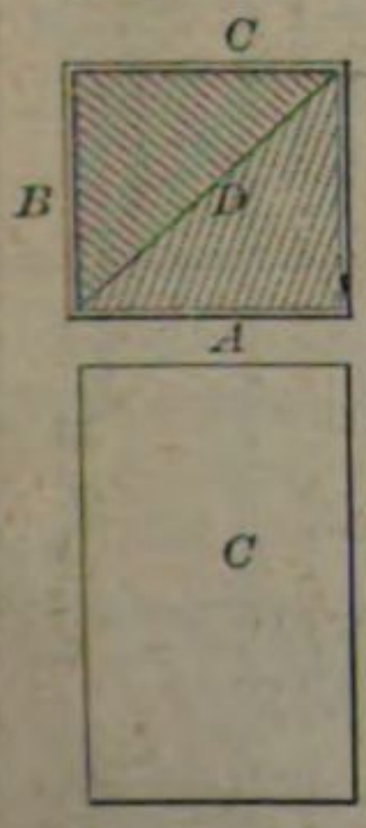
51905—P. L. Boulengi—
Electro-Ballistic Chronograph.



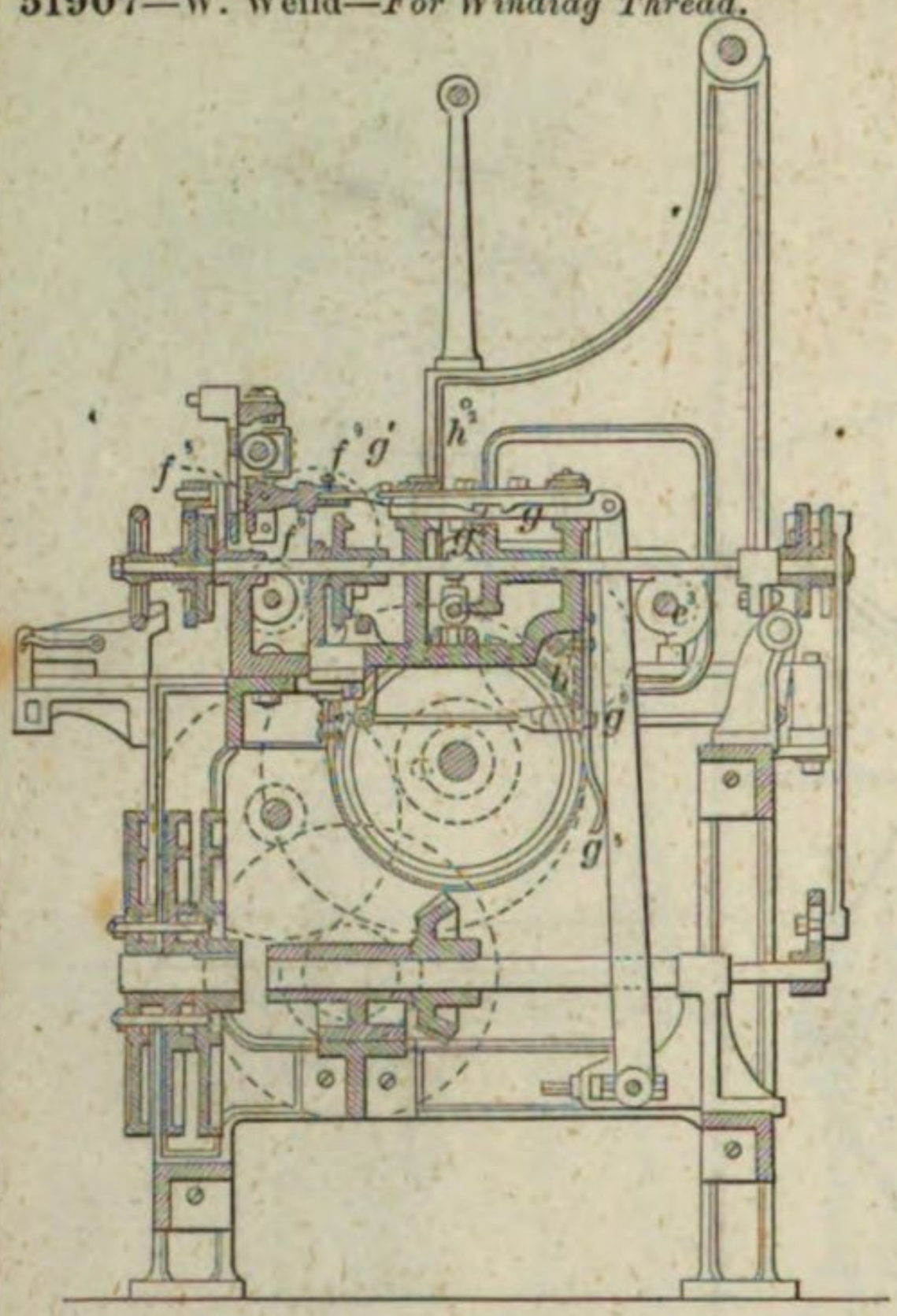
51904—Peet & Hyde—*Construction of Railways.*



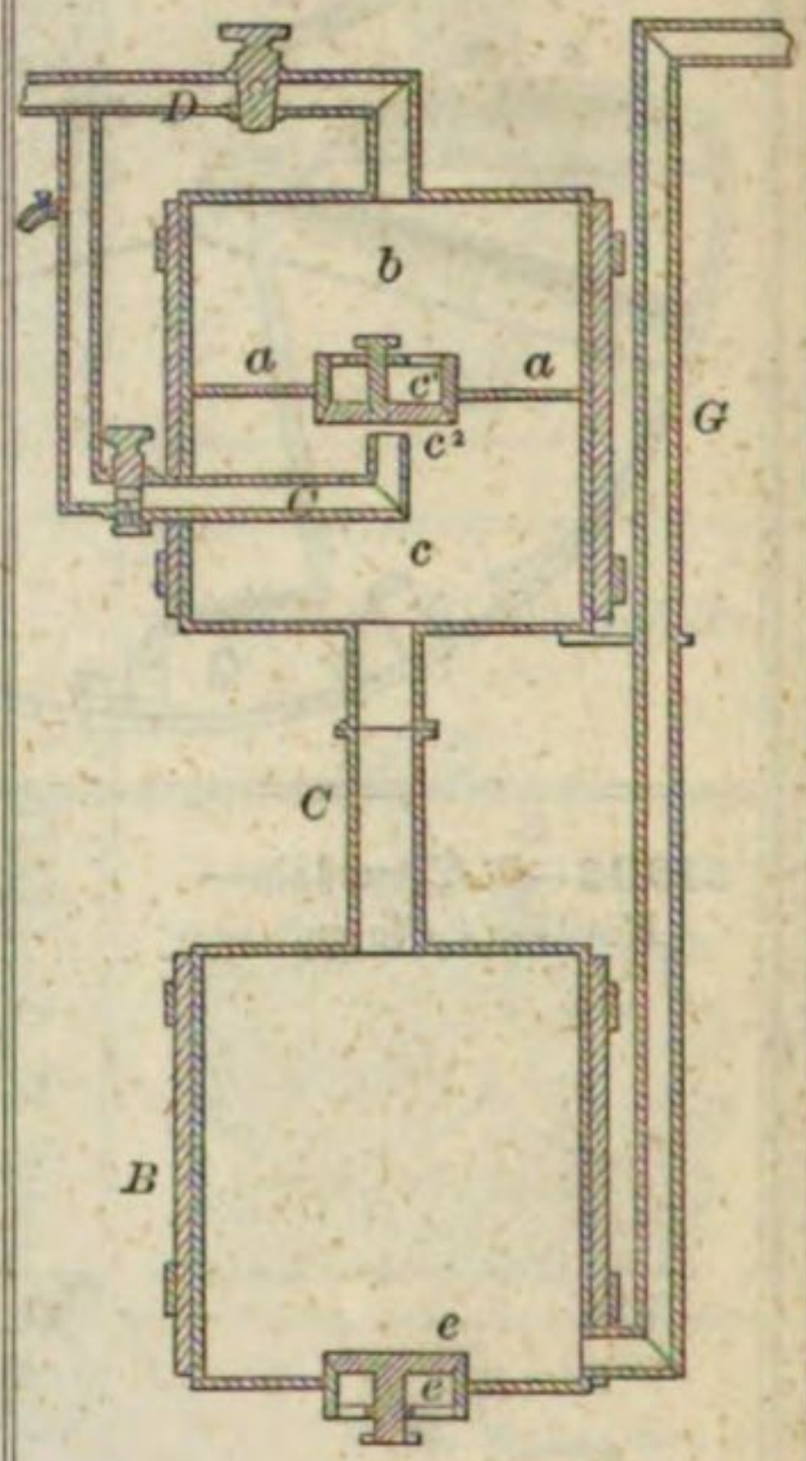
51906—H. Swan—*Stereoscopic Apparatus.*

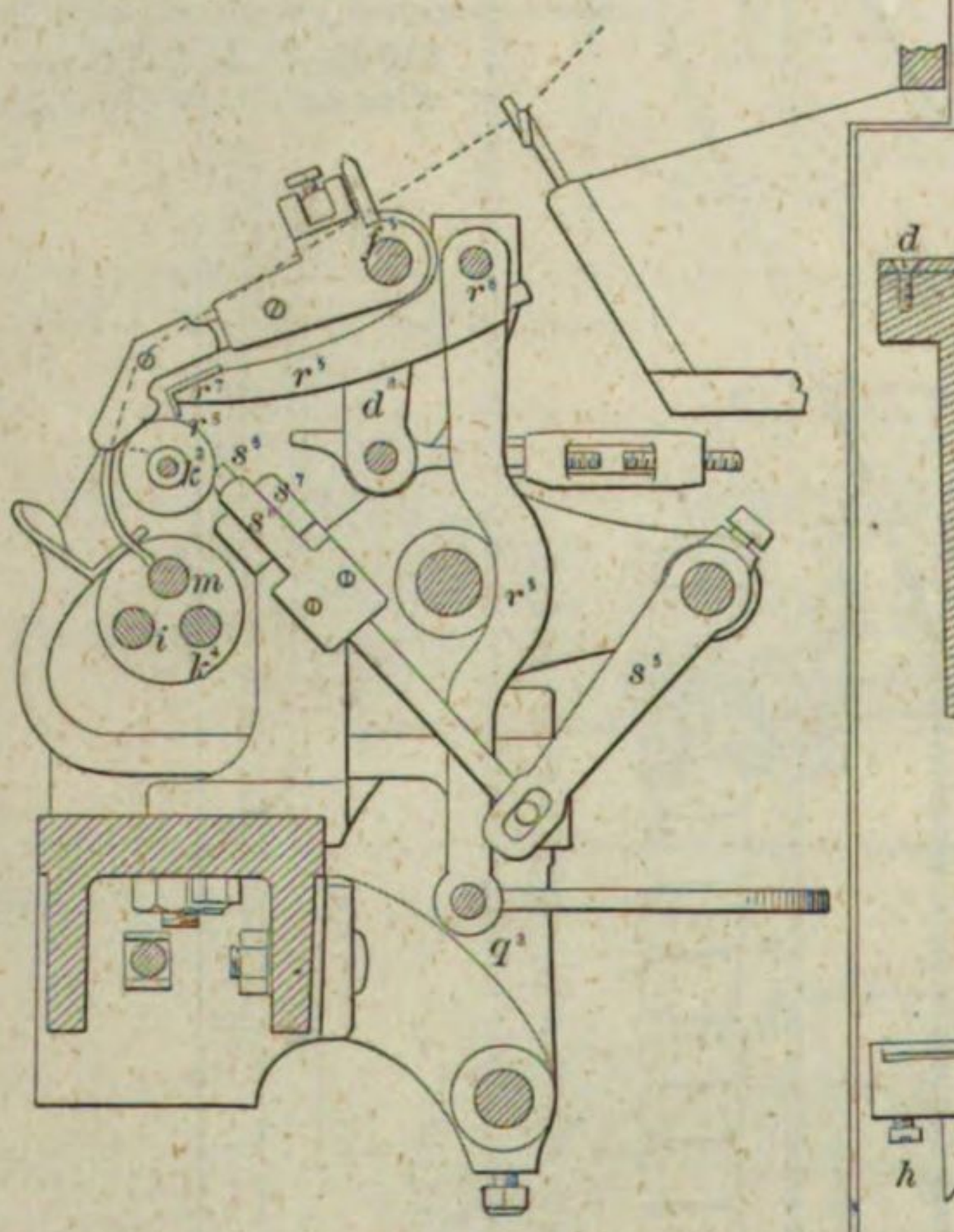


51907—W. Weild—*For Windiag Thread.*

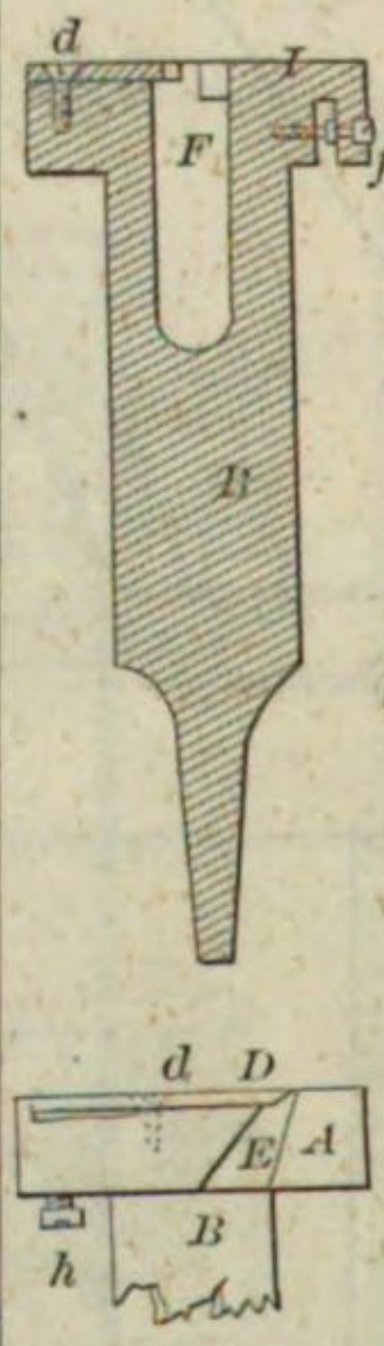


51908—J. B. Atwater—*Steam Water Elevator.*

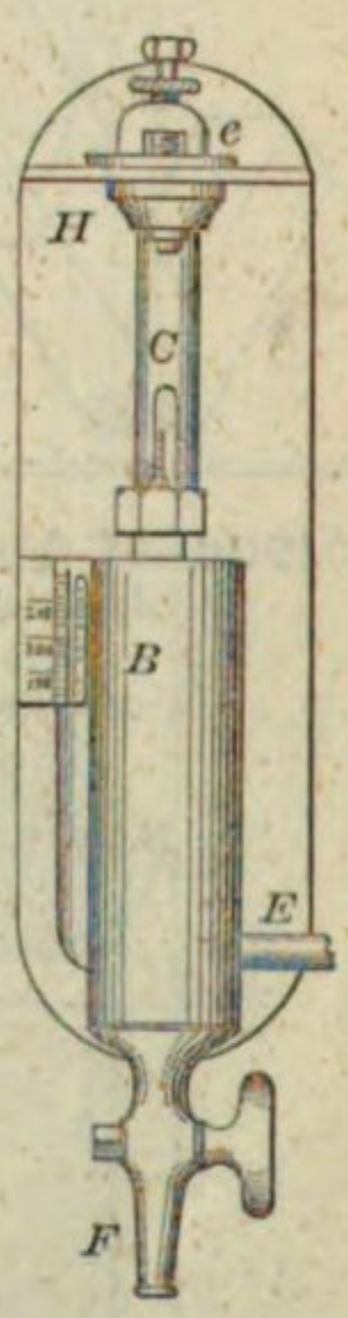




51911—Beals & Smith—*Hollow Auger.*

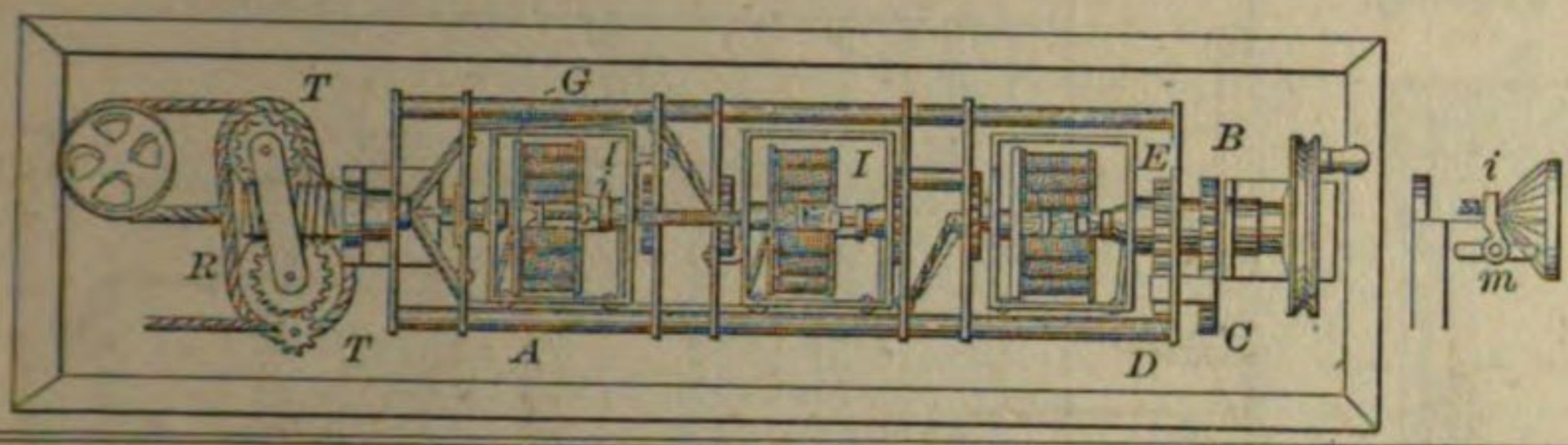


51912—B. F. Bee—*Salinometer.*

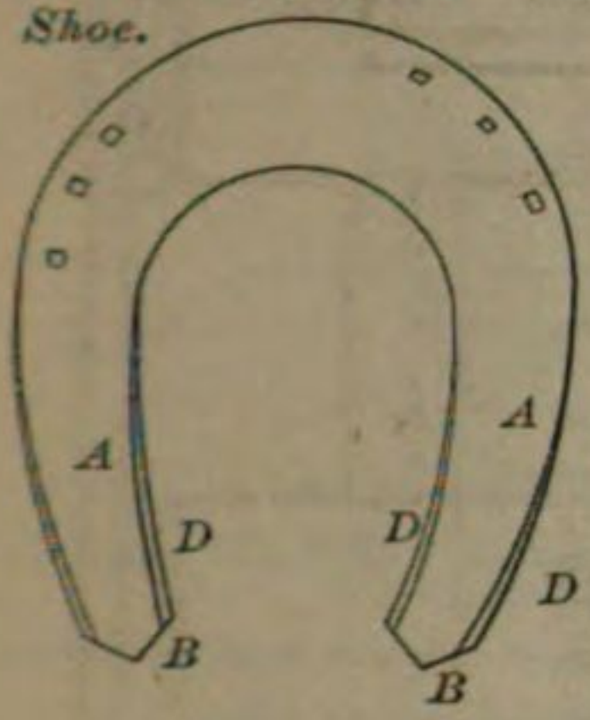


51910—E. Barbaroux—*Pipe Coupling.*

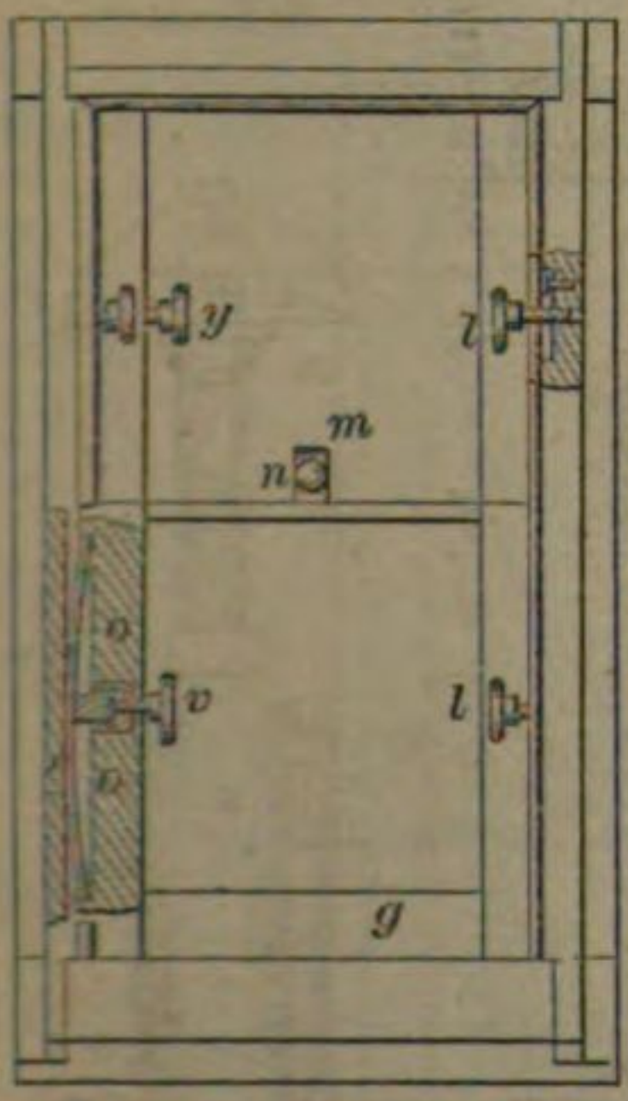
51915—J. Blackie—*Rope Machine.*



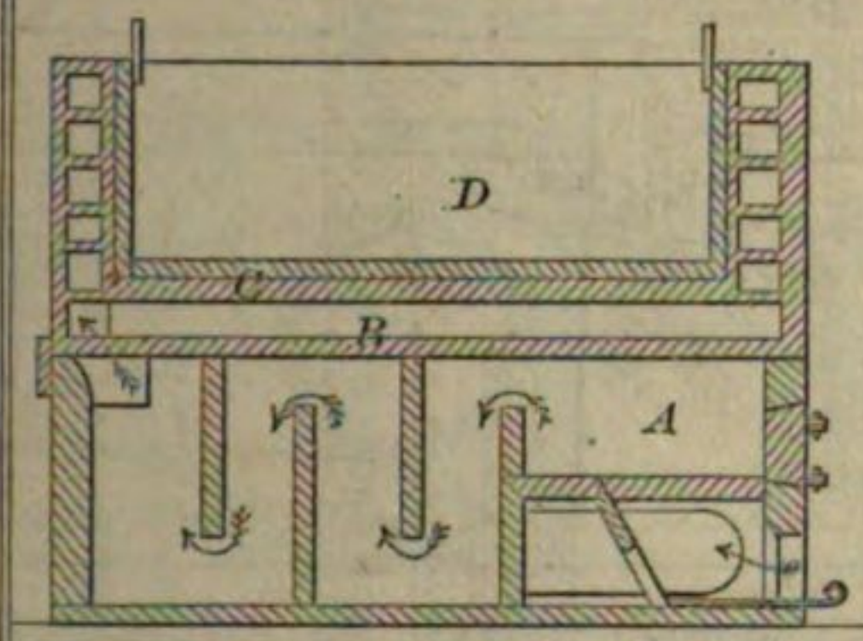
51916—J. H. Brown—*Horse Shoe.*



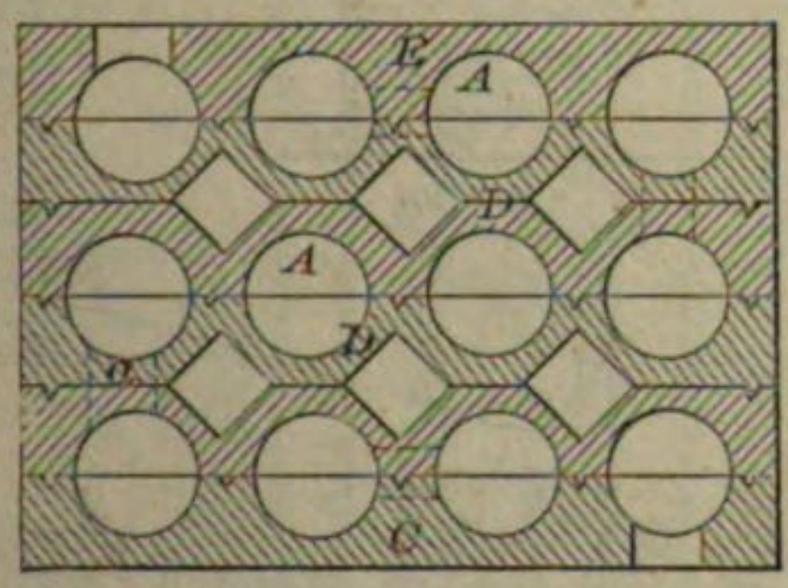
51918—E. Calderwood—*Window Sash Fastener.*



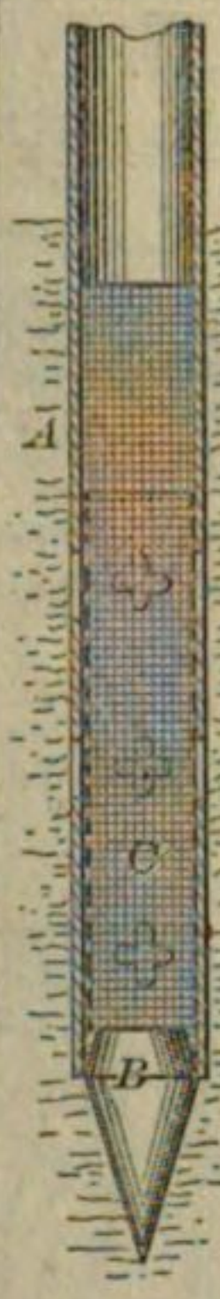
51922—J. Chilcott—*Setting Open Boilers.*



51921—J. Chilcott—*Hot Air Furnace.*

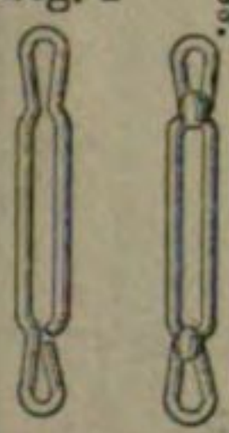


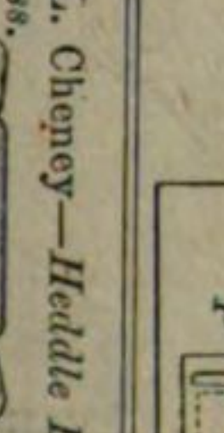
51919—J. C. & M. V. Campbell—*Sinking Wells.*



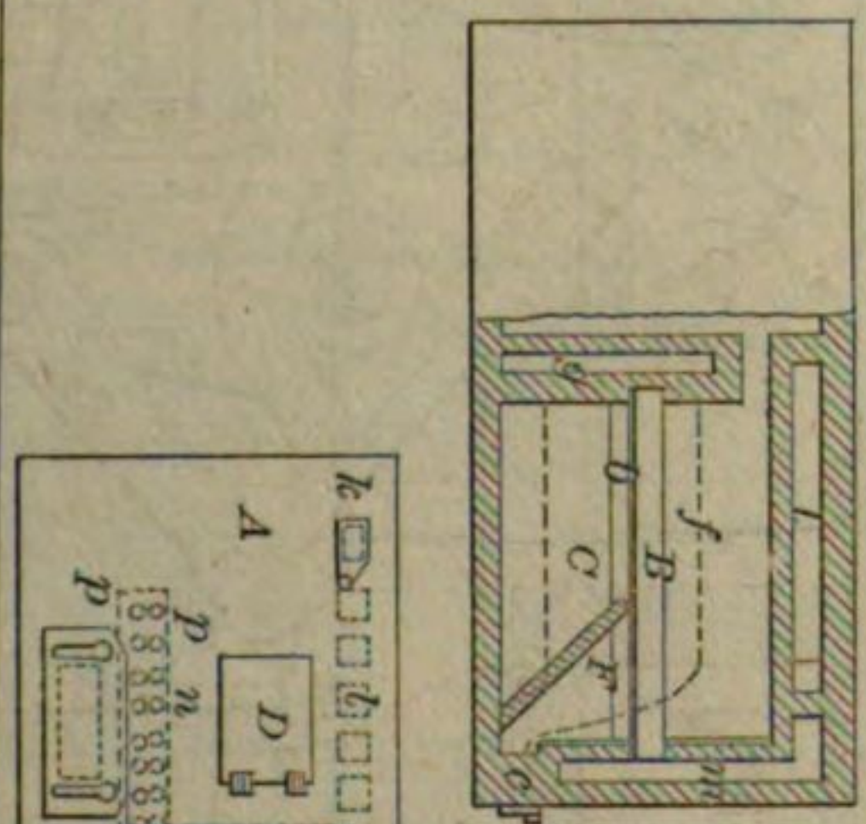
51920—J. L. Cheney—*Heddle Eye for Loom Harness.*

Fig. 1

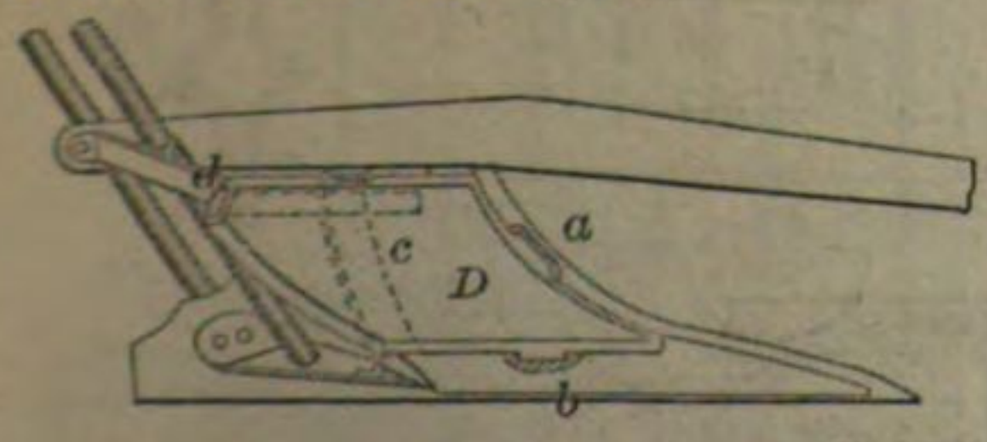




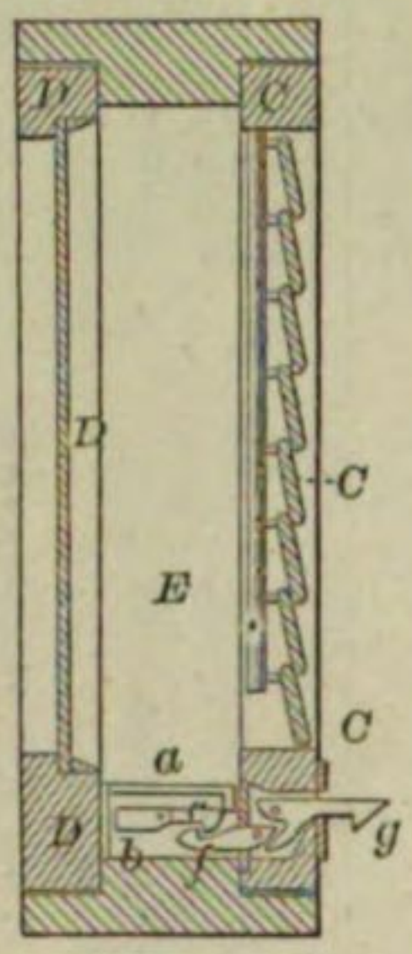
51923—J. Chilcott—*Steam Boiler Furnace.*



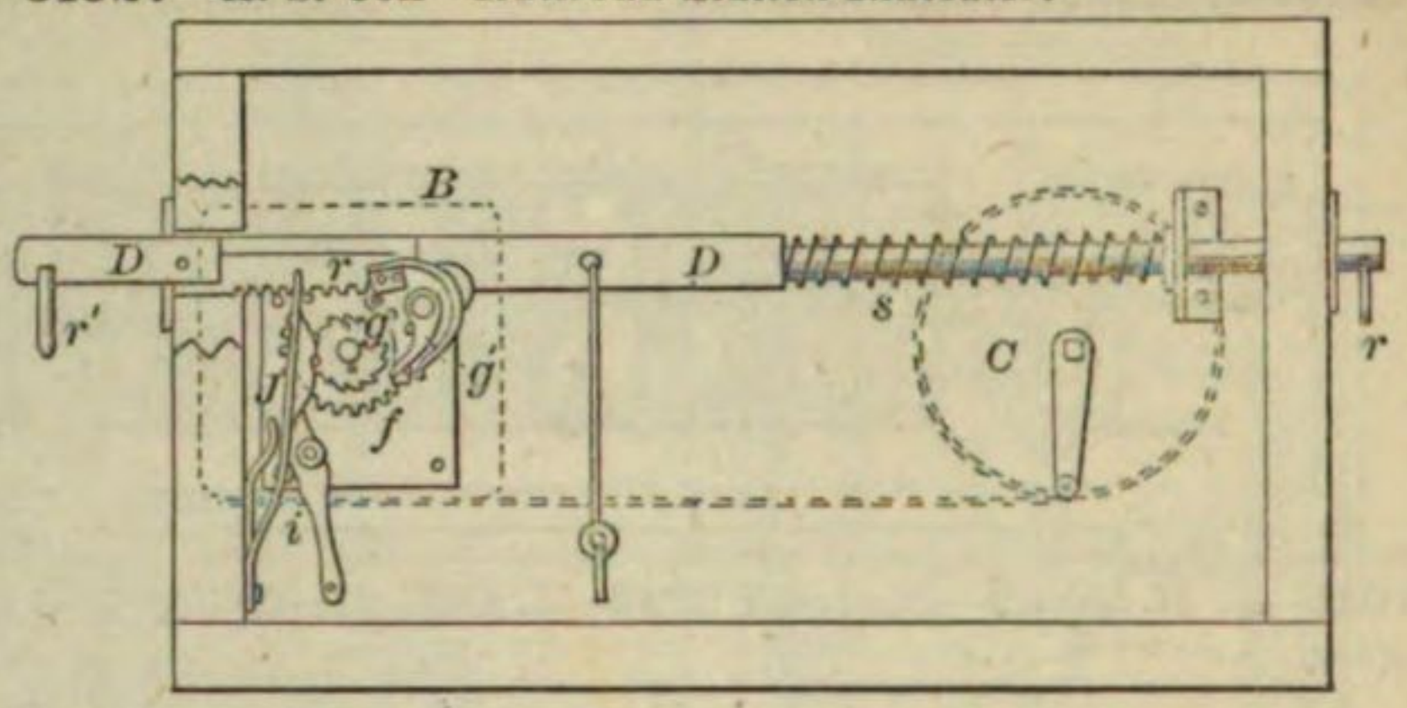
51917—Burton & Hoit—*Plow.*

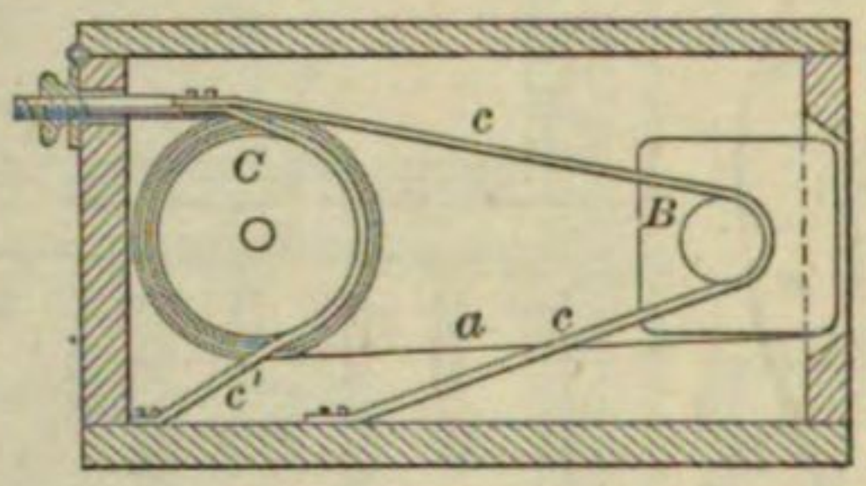


51924—E. Cole—*Shutter Fastening.*

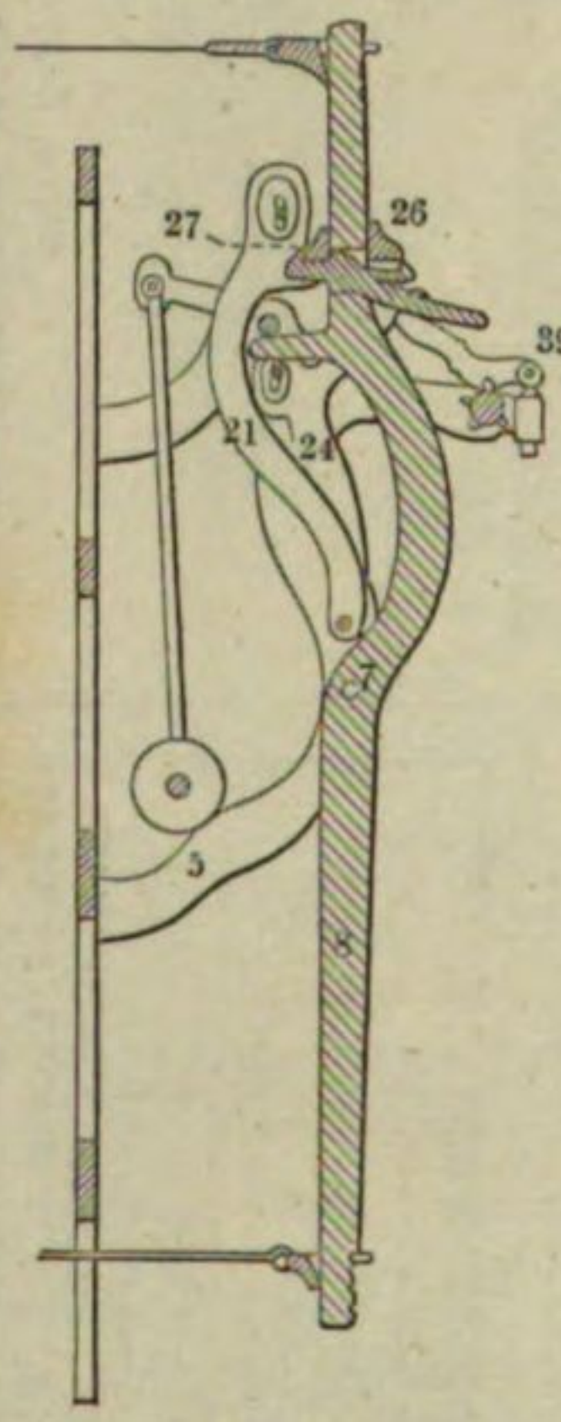


51927—A. S. Cox—*Railroad Station Indicator.*

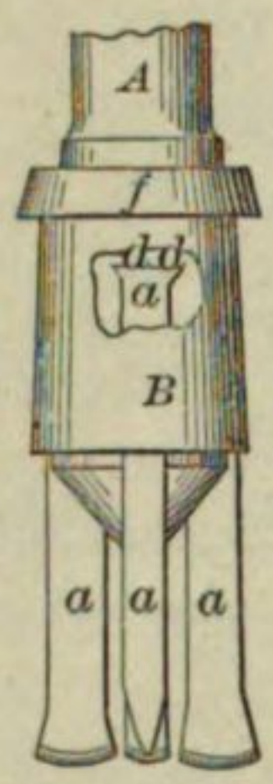




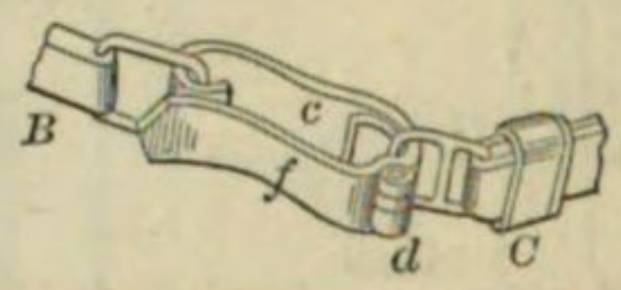
51928—G. Crompton—*Fancy Loom.*

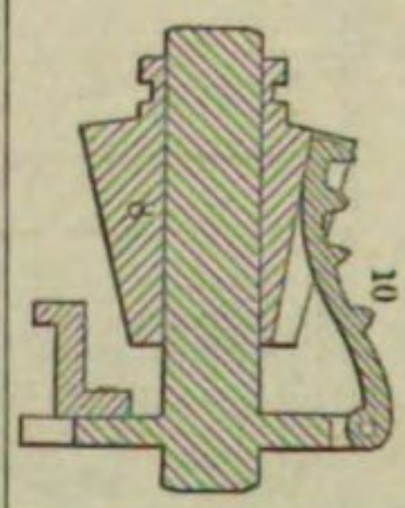


51925—A. G. Coles—*Well Drill.*

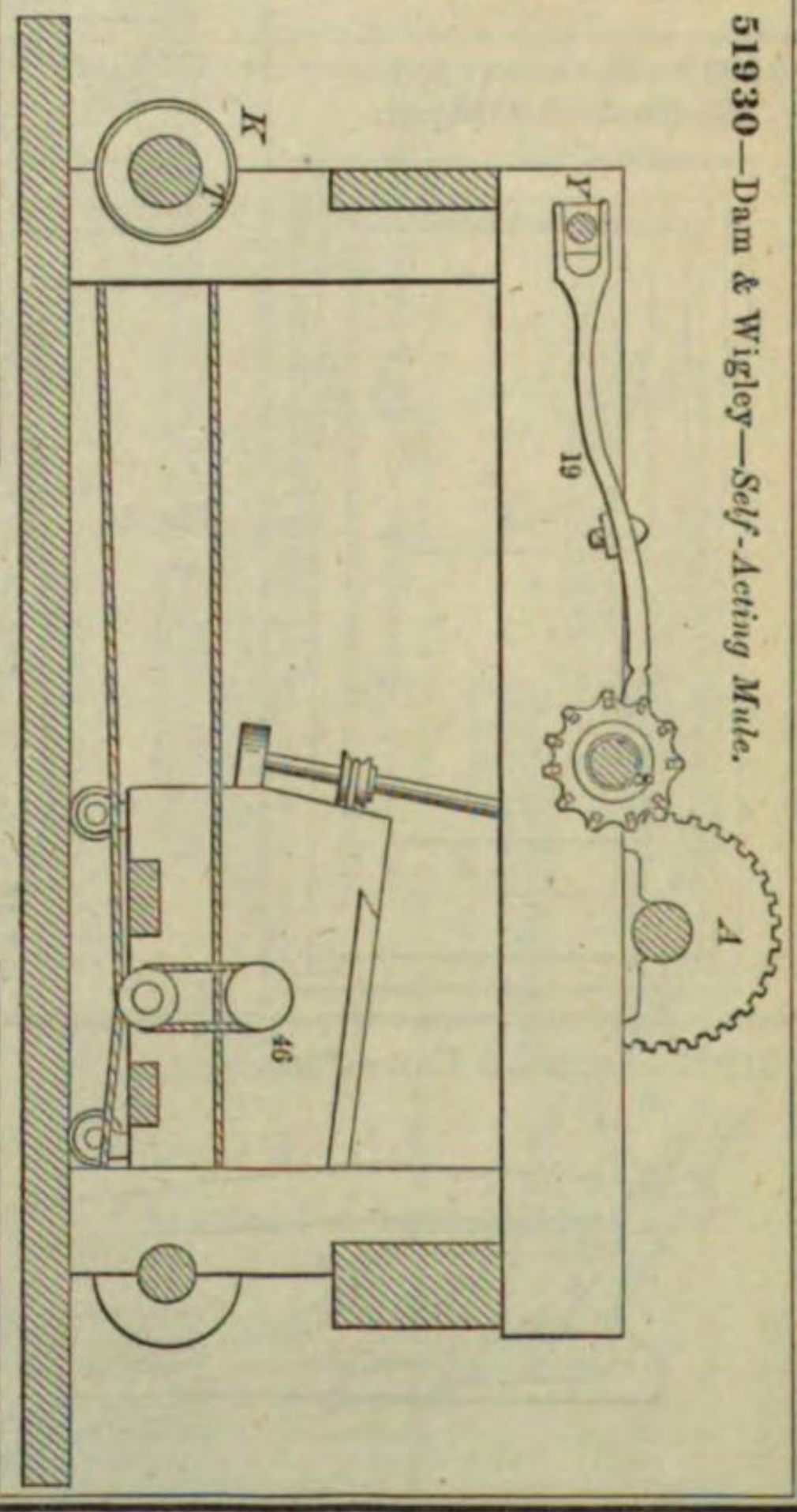


51926—A. B. Conde—*Strap Clasp.*

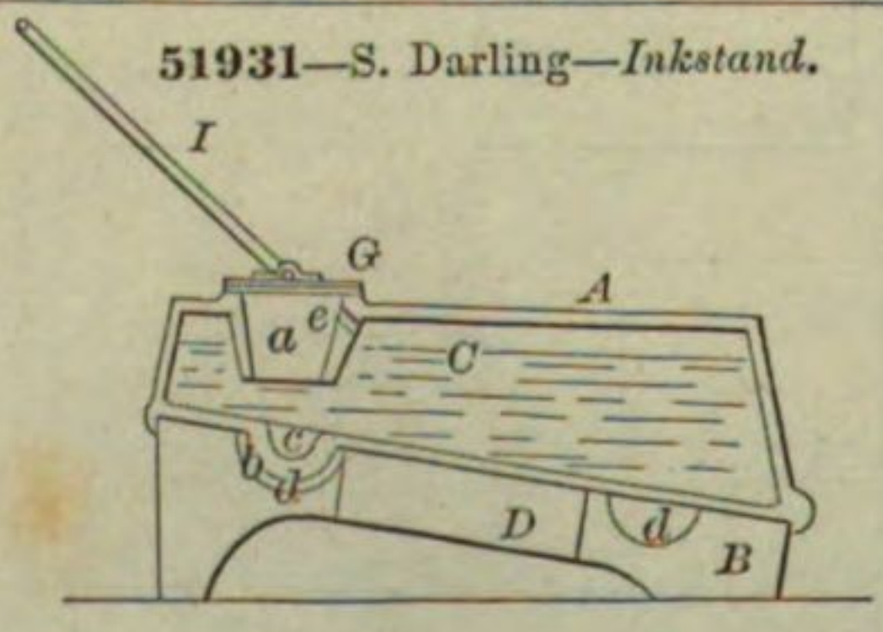




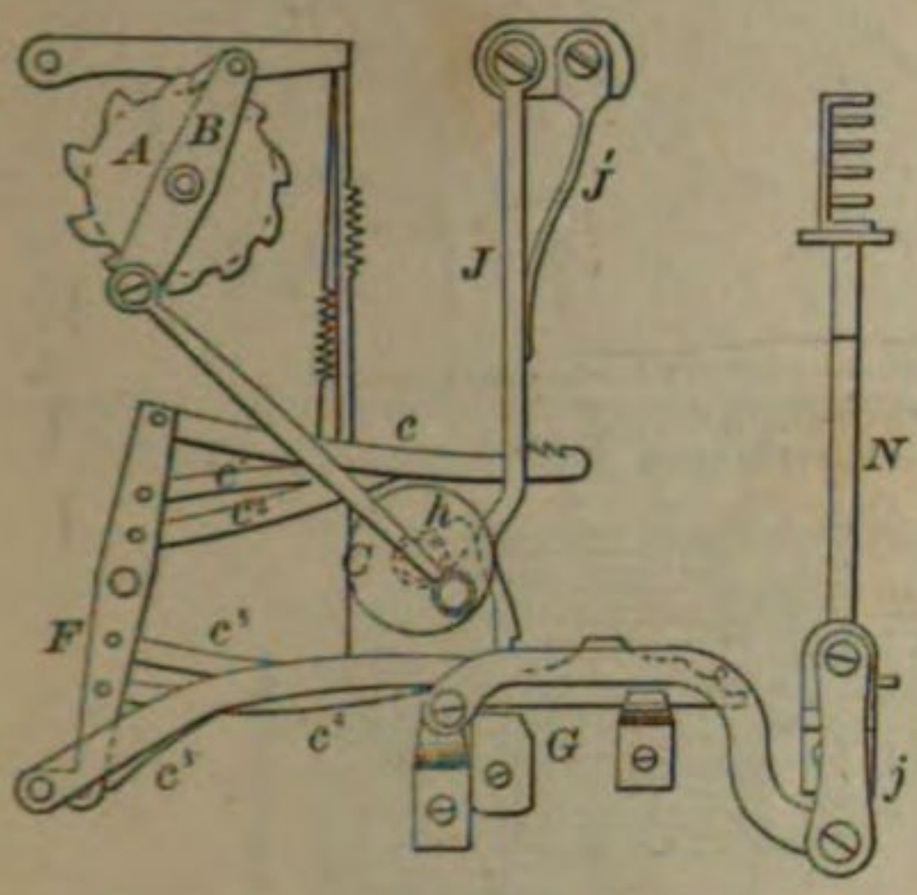
51930—Dam & Wigley—*Self-Acting Mule.*



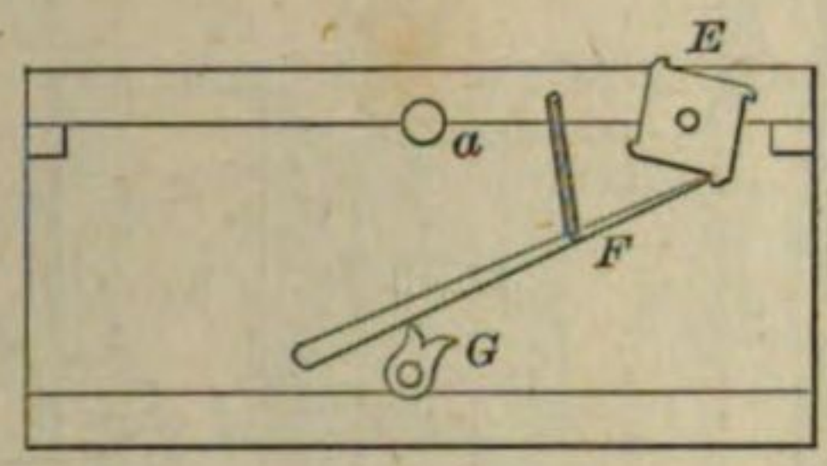
51931—S. Darling—*Inkstand.*



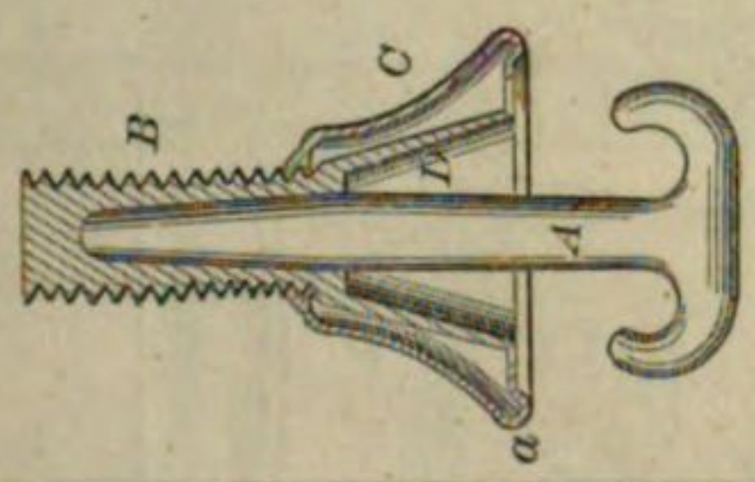
51932—C. Duckworth—*Loom.*



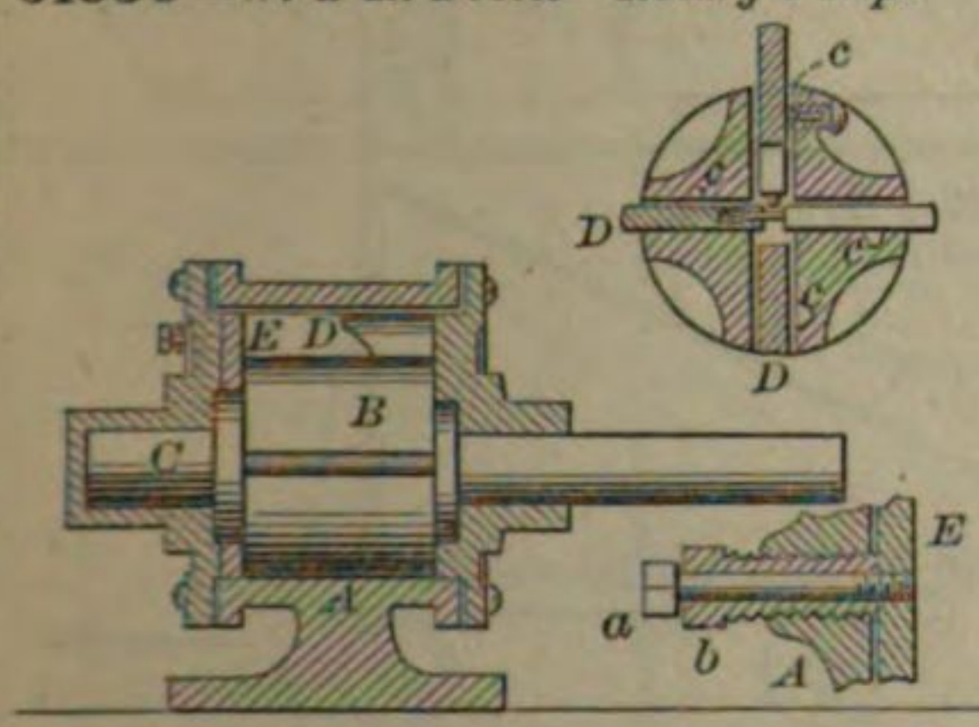
51933—J. H. Elward—*Animal Trap.*



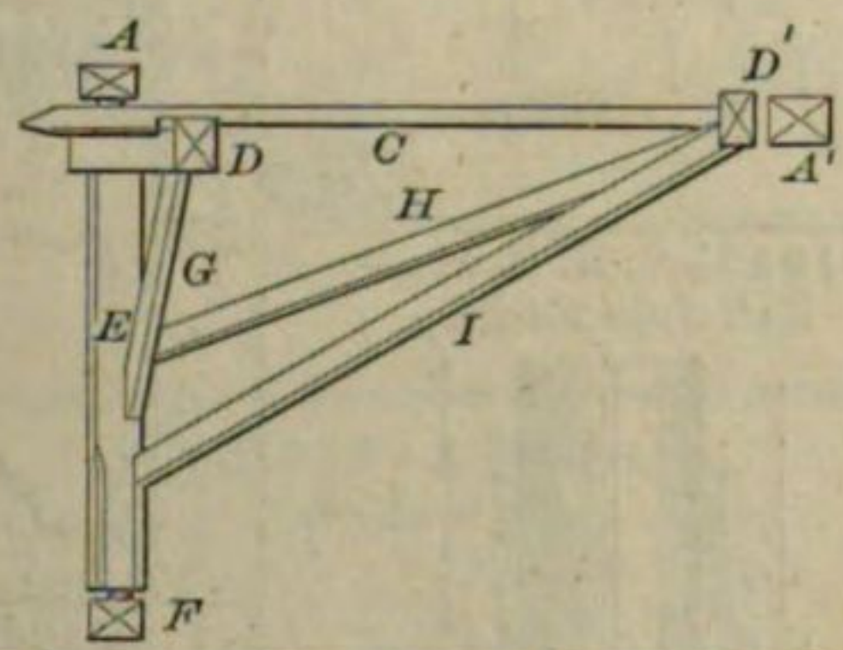
51934—A. B. Ely—*Telegraph Insulator.*



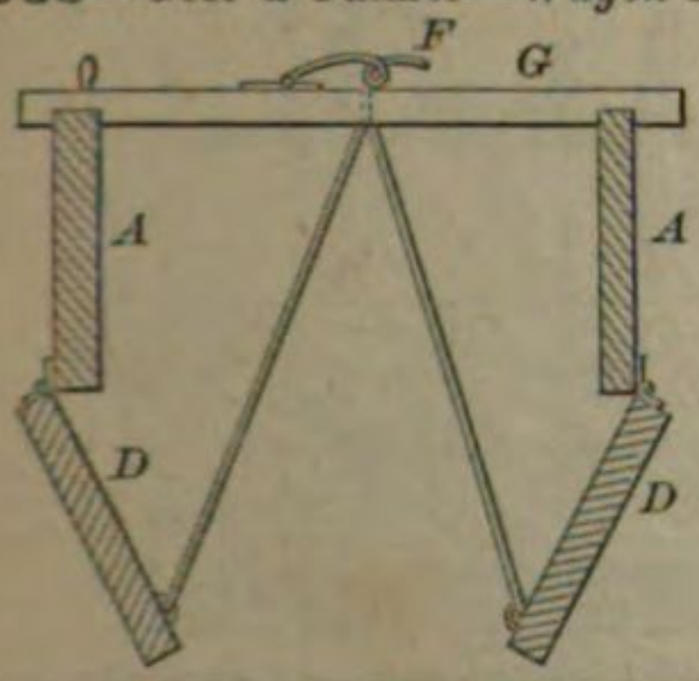
51936—W. & R. Foster—*Rotary Pump.*



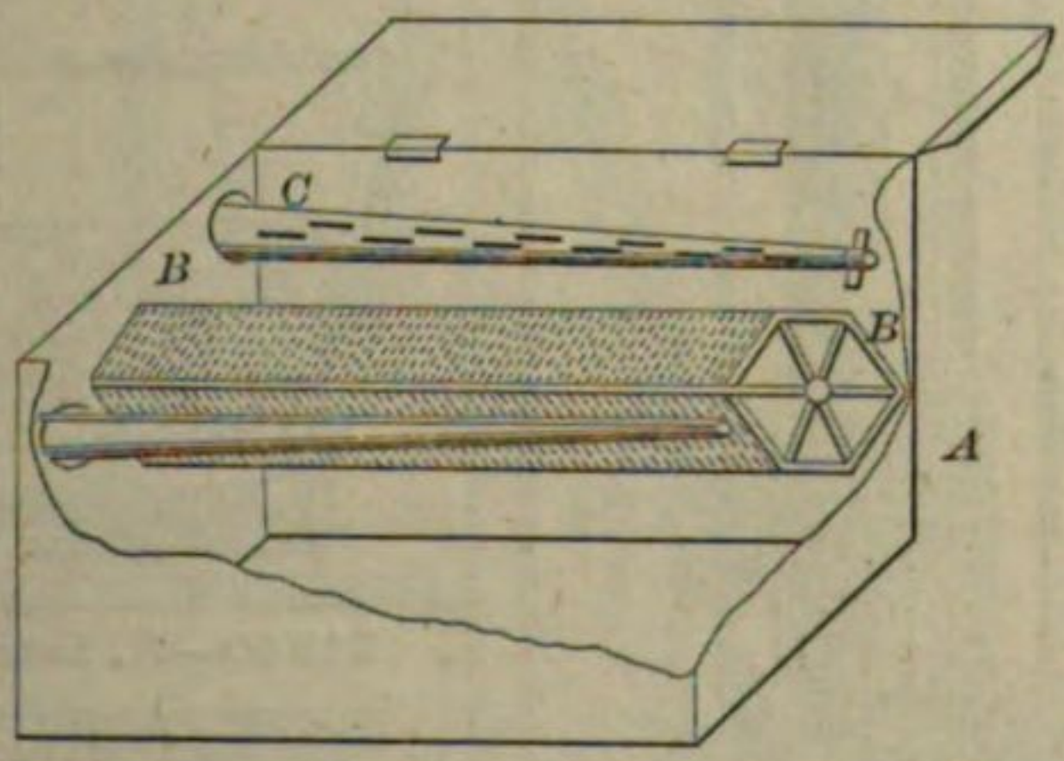
51940—A. L. Grinnell—*Gate.*



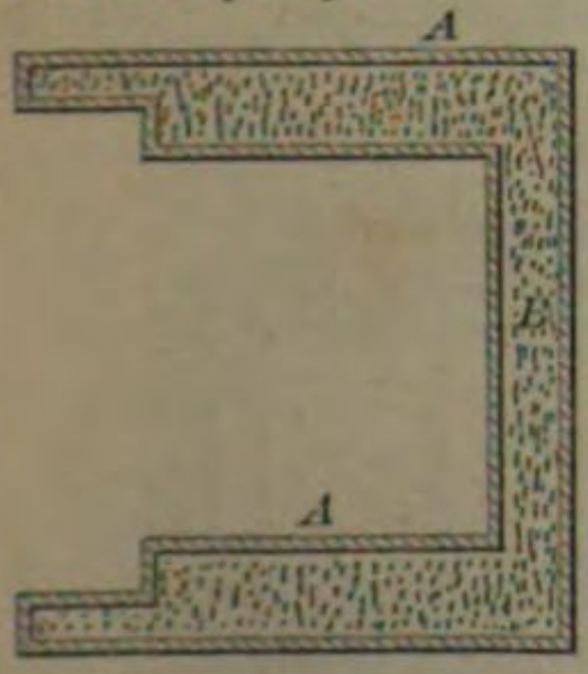
51938—Geer & Palmer—*Wagon Box.*



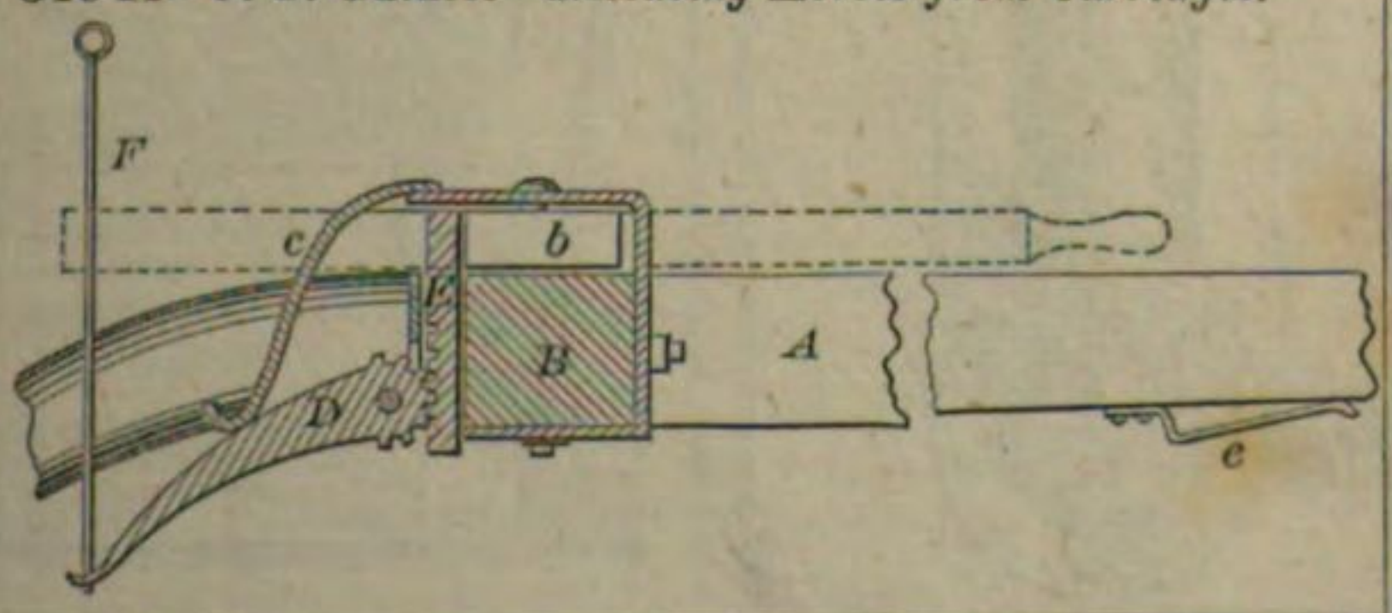
51939—S. Godfrey—*Bolt for Flouring Mills.*



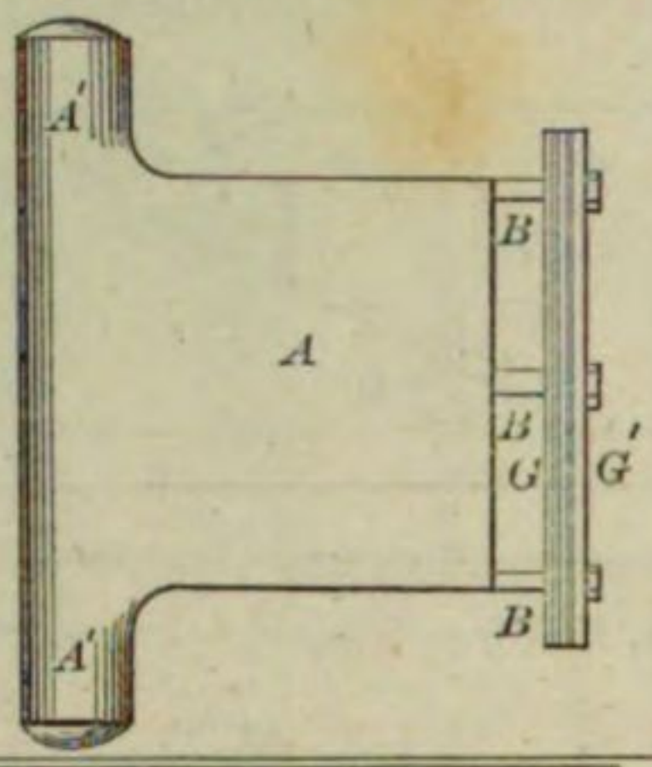
51937—S. T. Fowler—
Fire Proof Safe.



51941—J. T. Guthrie—*Releasing Horses from Carriages.*



51942—J. P. Hawks—*Currier's Knife.*



51943—H. Hayward—*Cutting Uppers for Boots.*

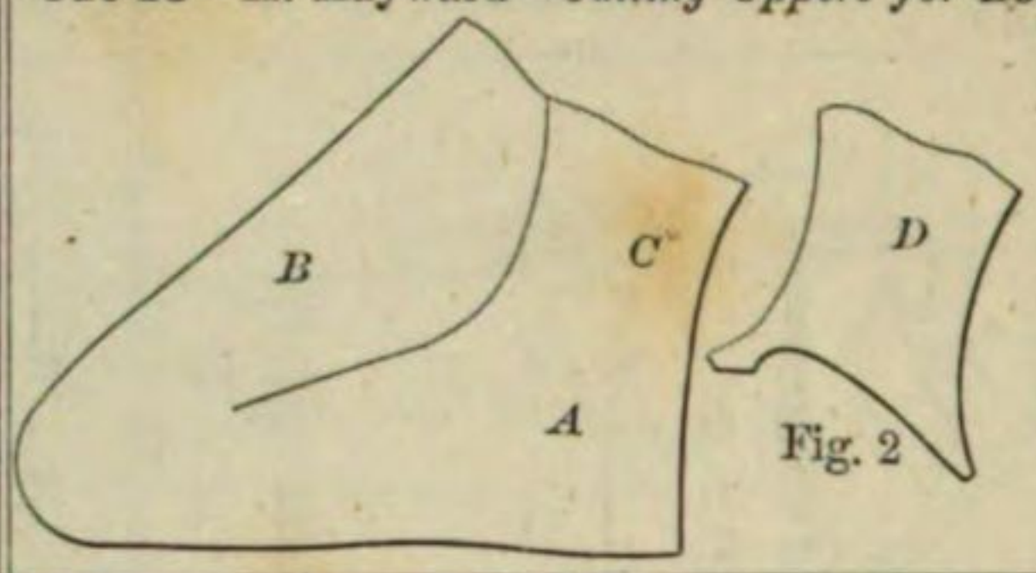
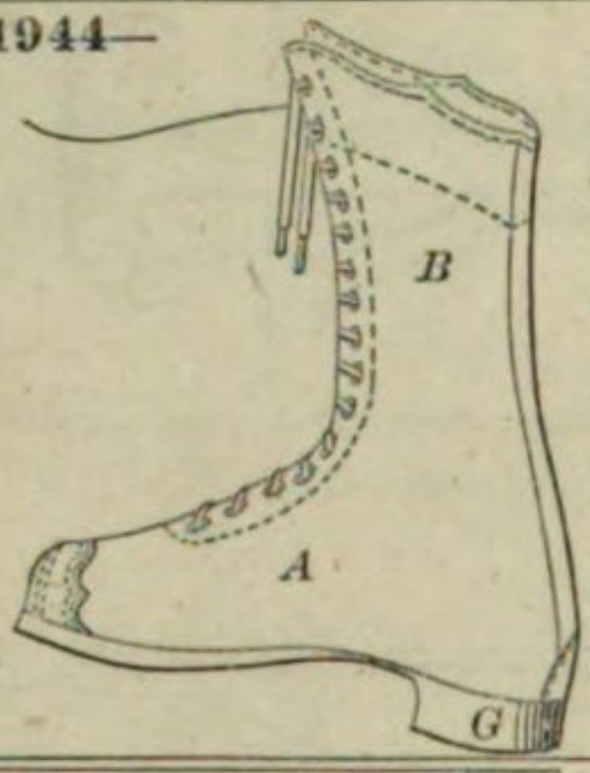
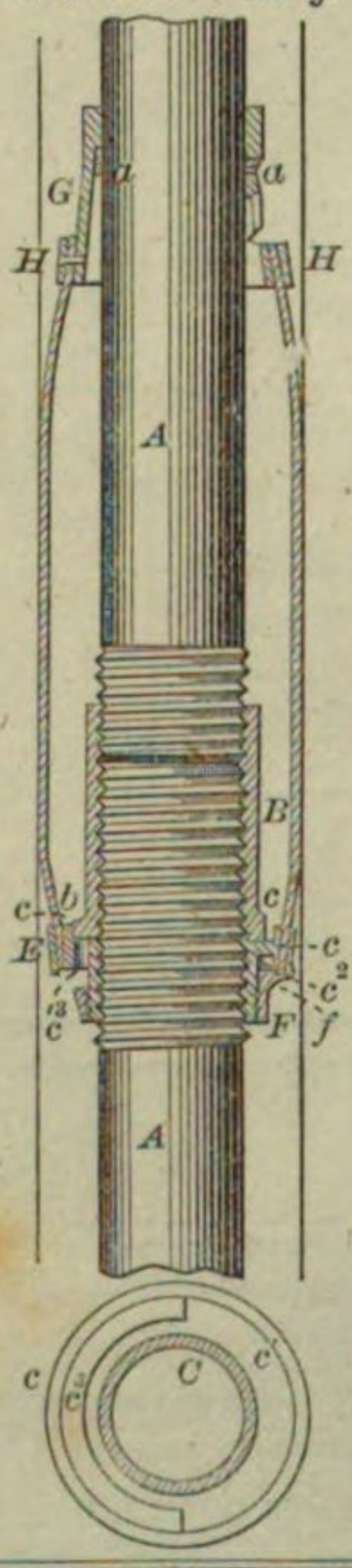


Fig. 2

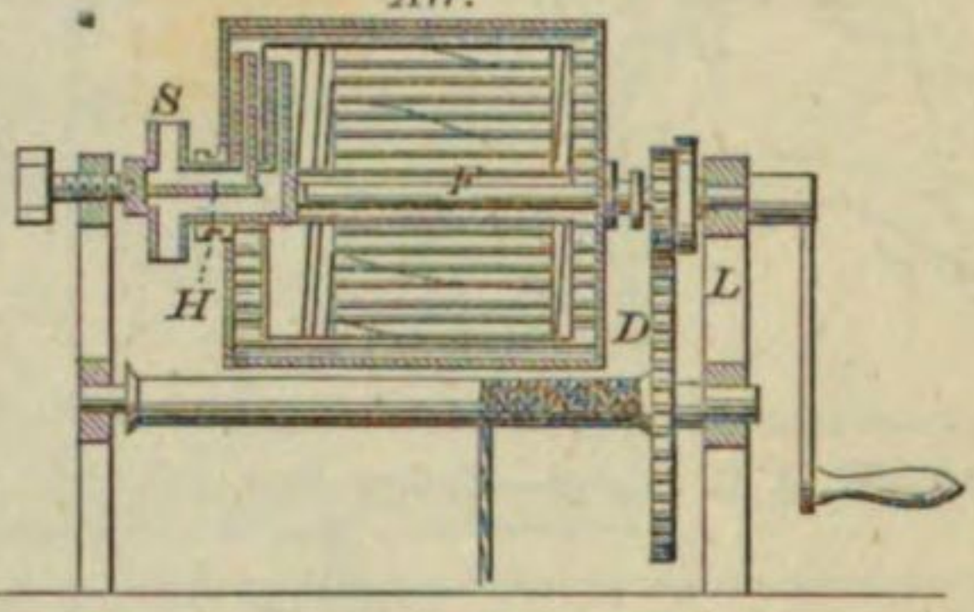
51944—H. Hayward—*Balmoral Boot.*



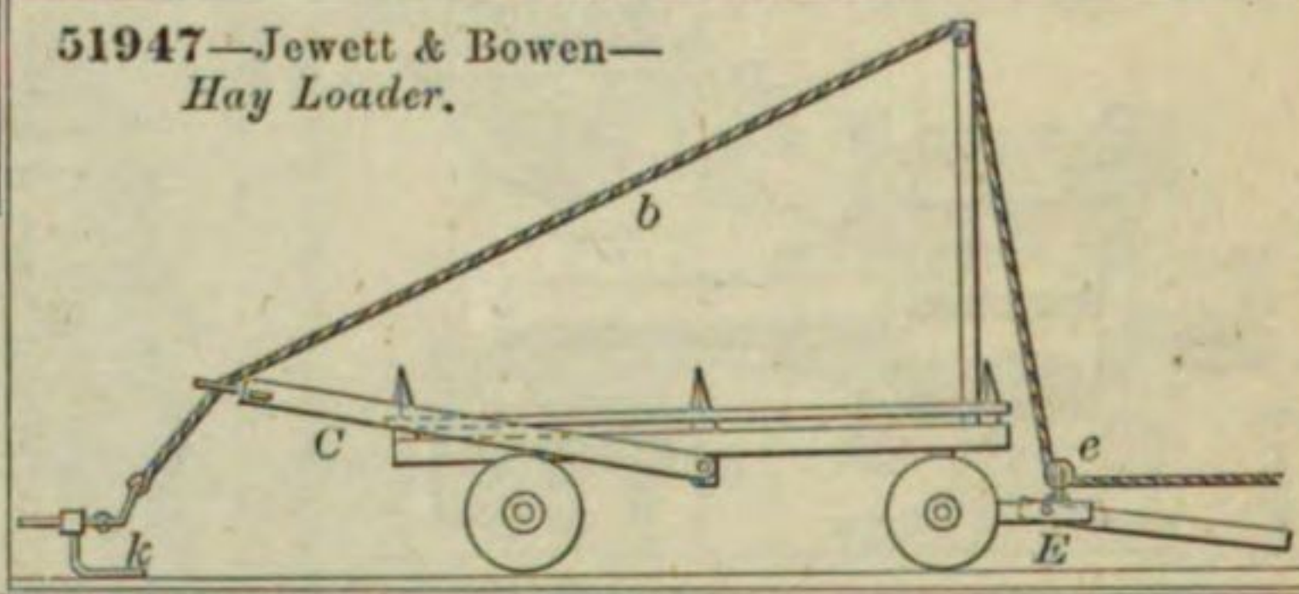
51945—S. E. Hewes—
Well Tube Packing.



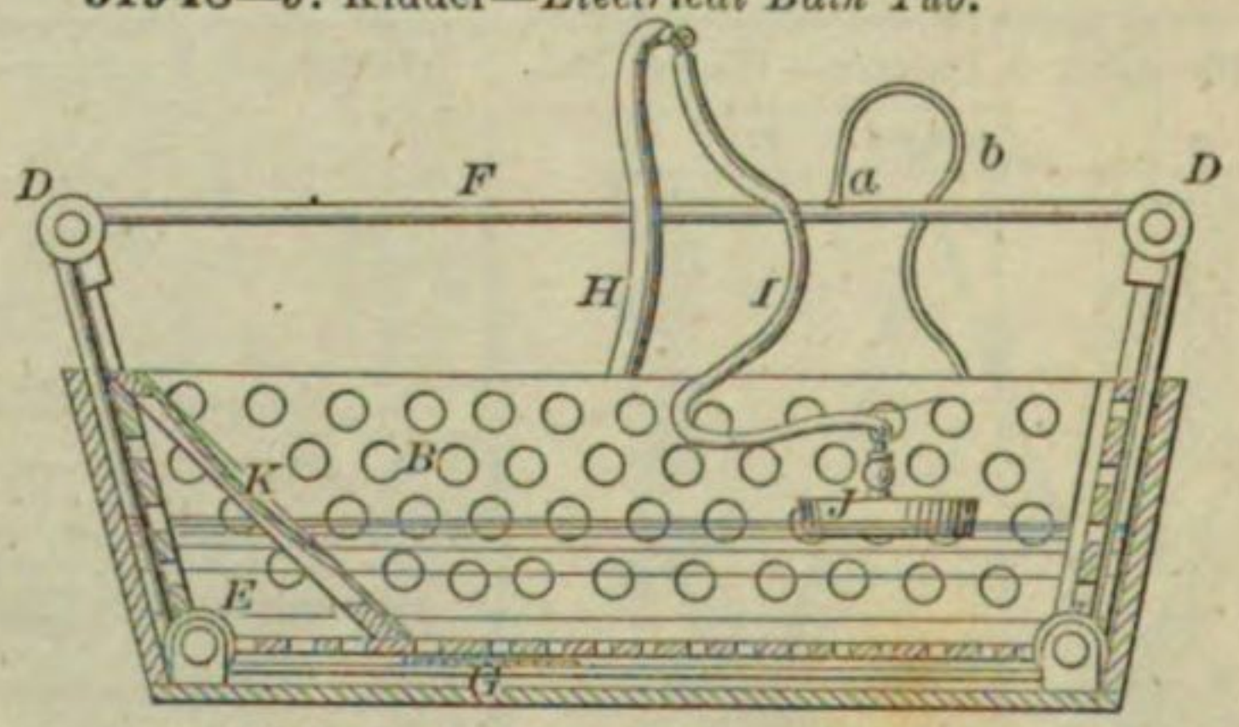
51946—Hutchinson & McAvoy—*For Carburetting Air.*



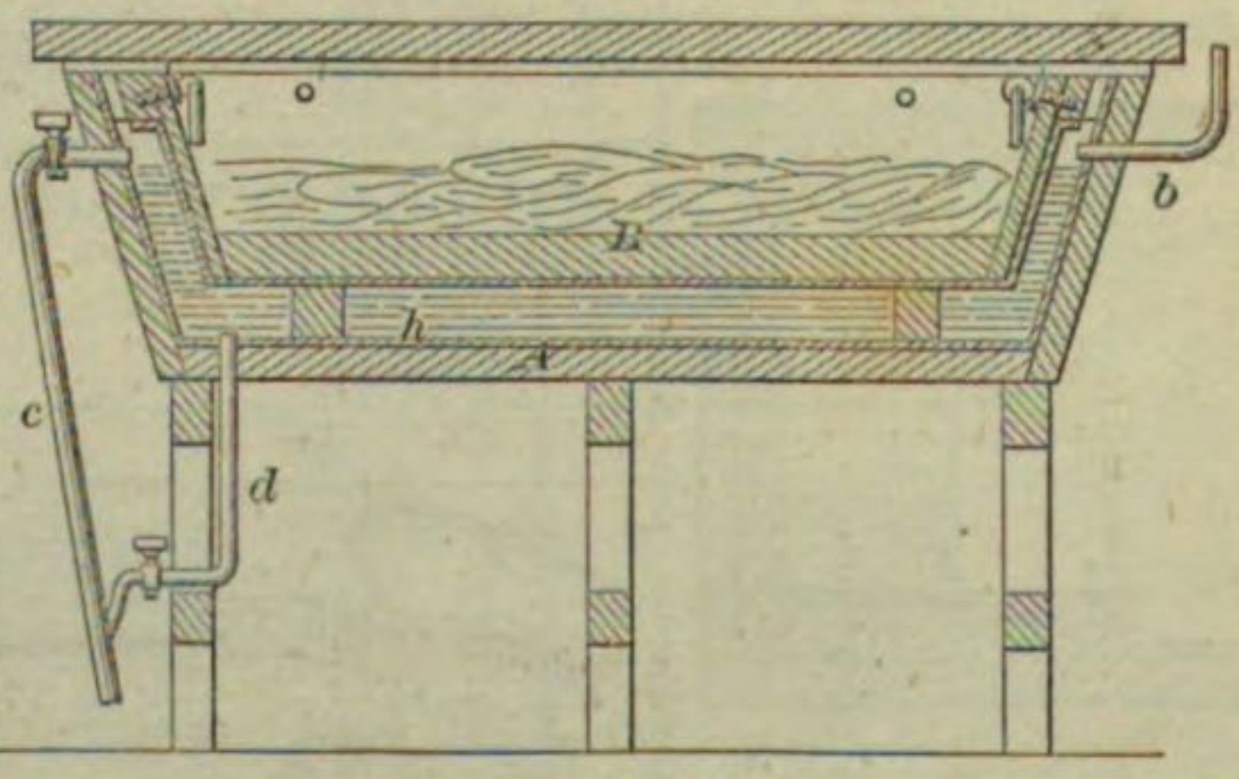
51947—Jewett & Bowen—
Hay Loader.



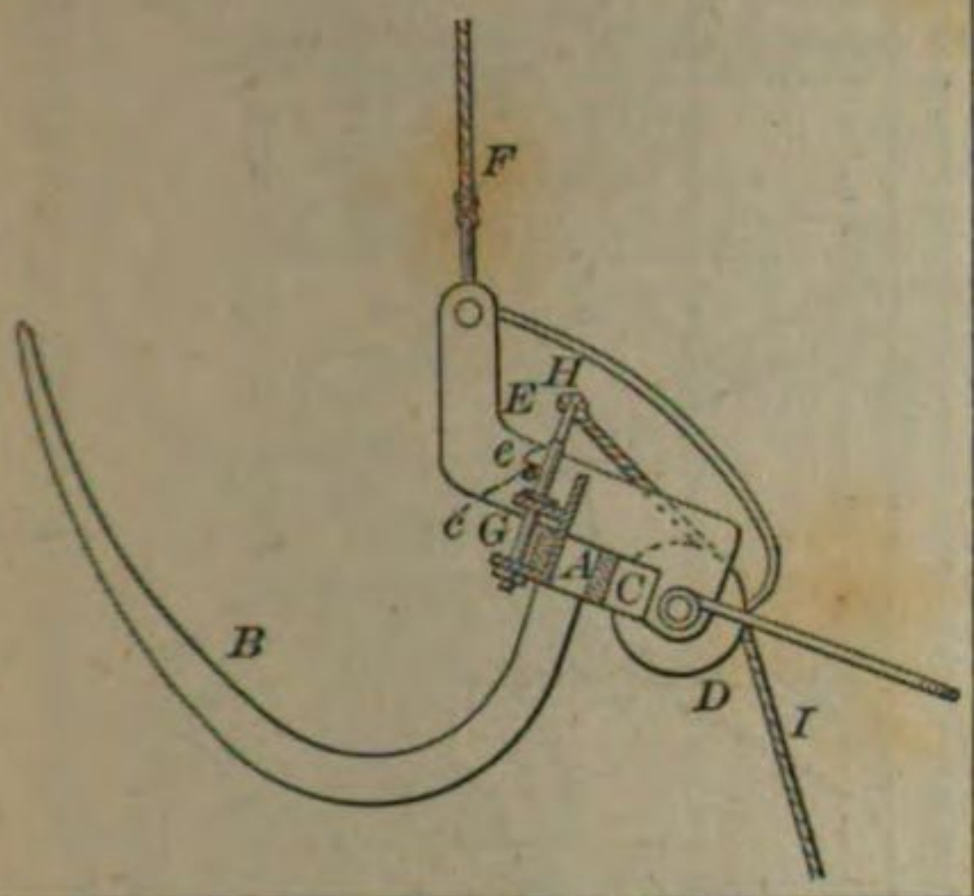
51948—J. Kidder—*Electrical Bath Tub.*



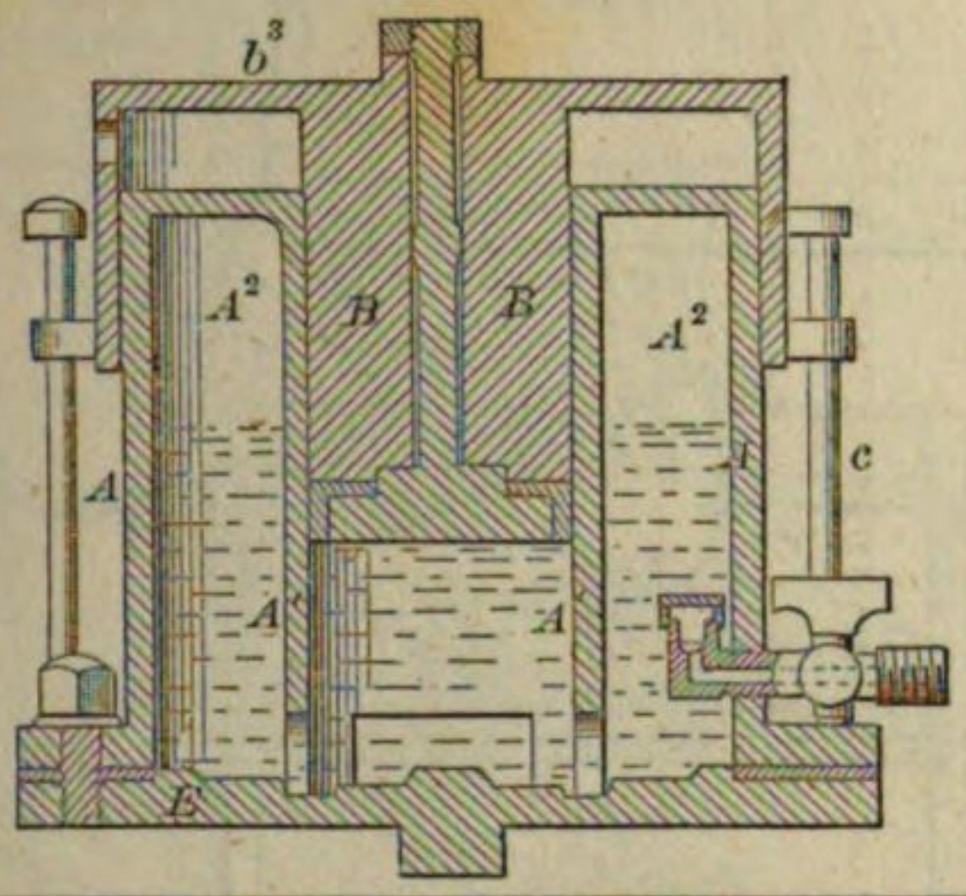
51949—W. Leas—*For Raising Dough.*



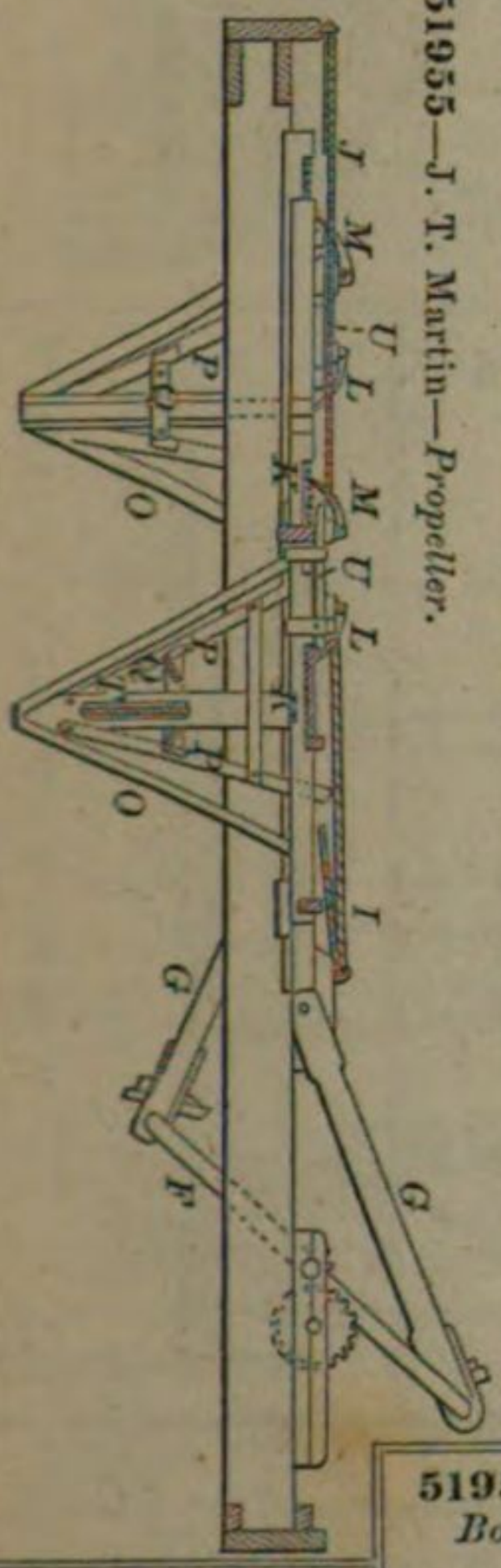
51950—D. Lippy—*Horse Hay Fork.*



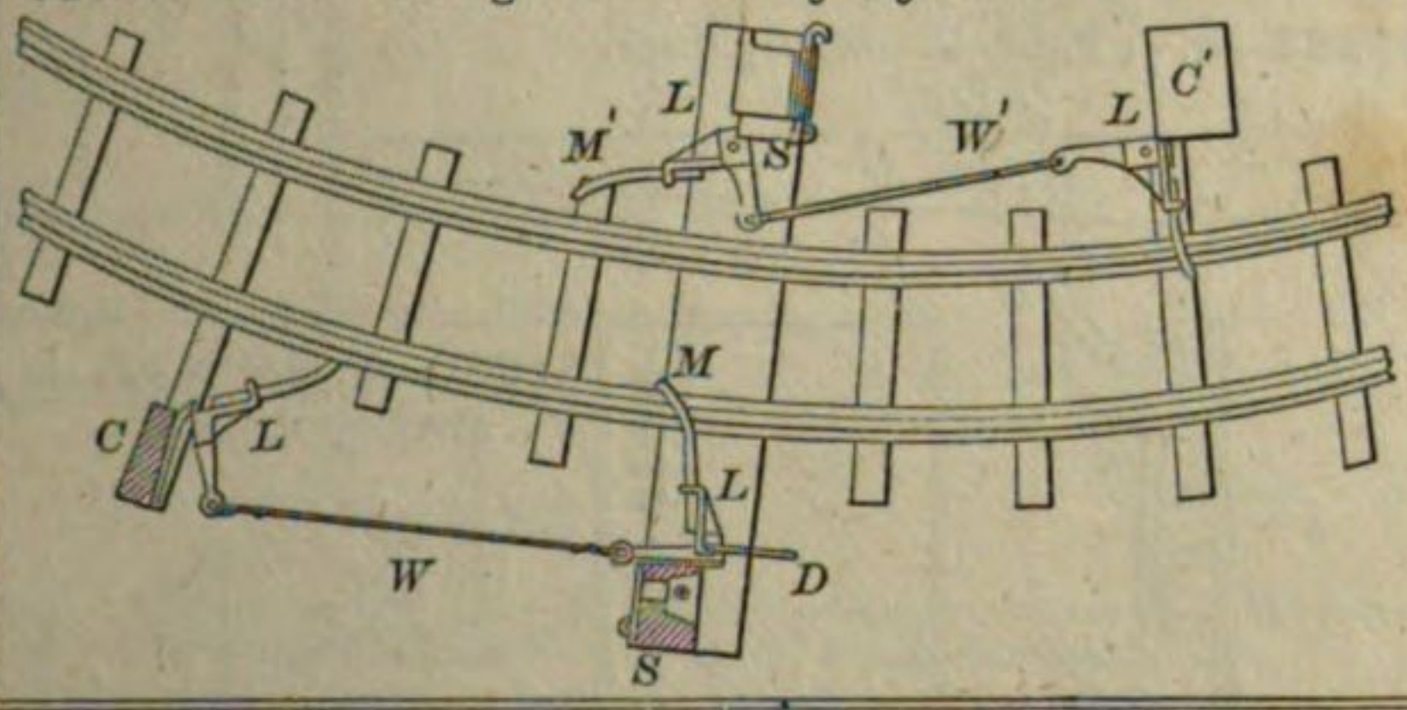
51956—J. Merlett—*Pneumatic Spring for Cars.*



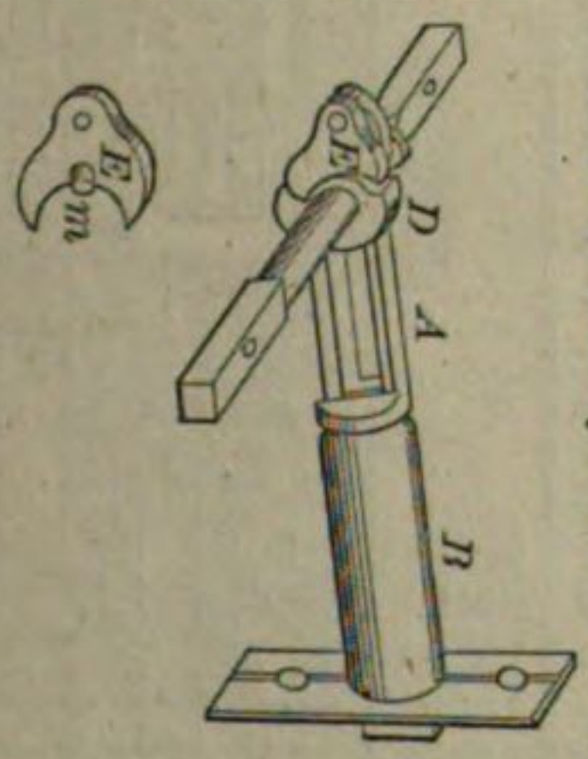
51955—J. T. Martin—*Propeller.*



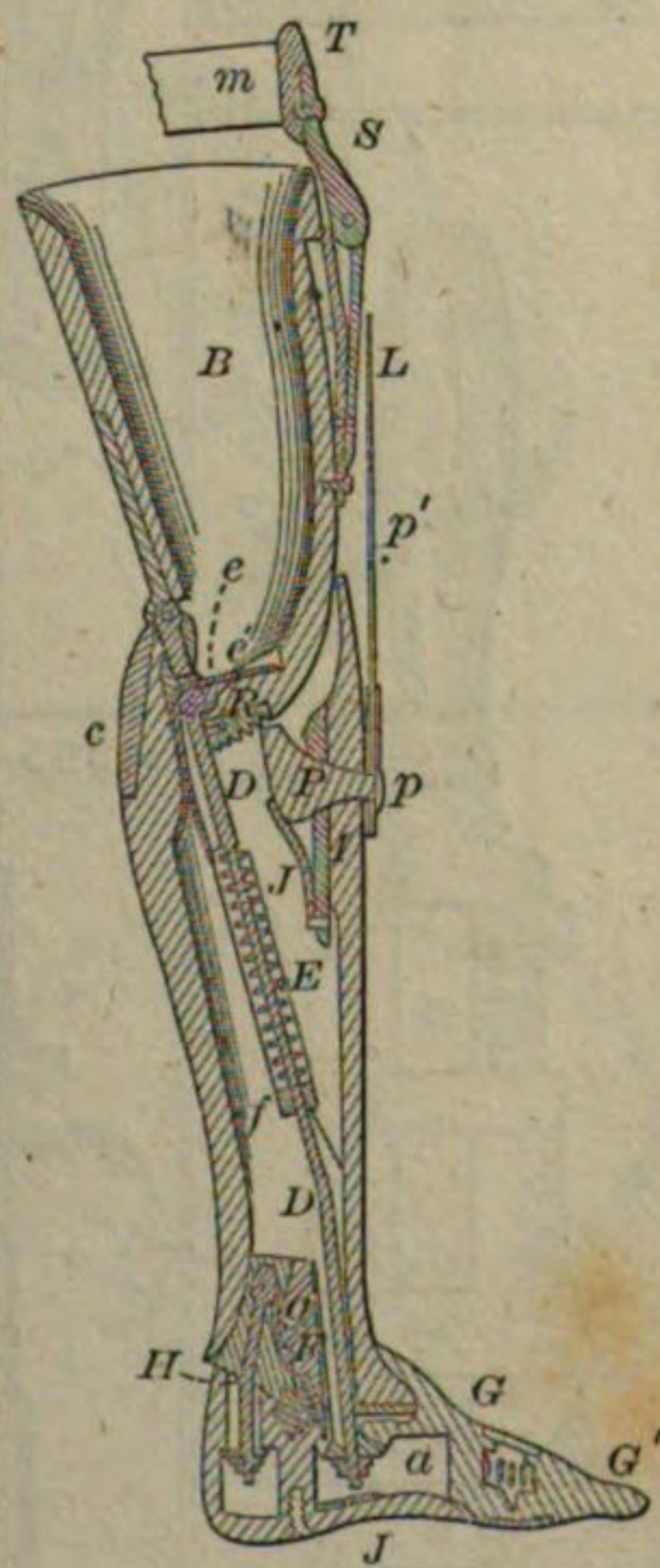
51952—A. W. Livingston—*Railway Signal.*



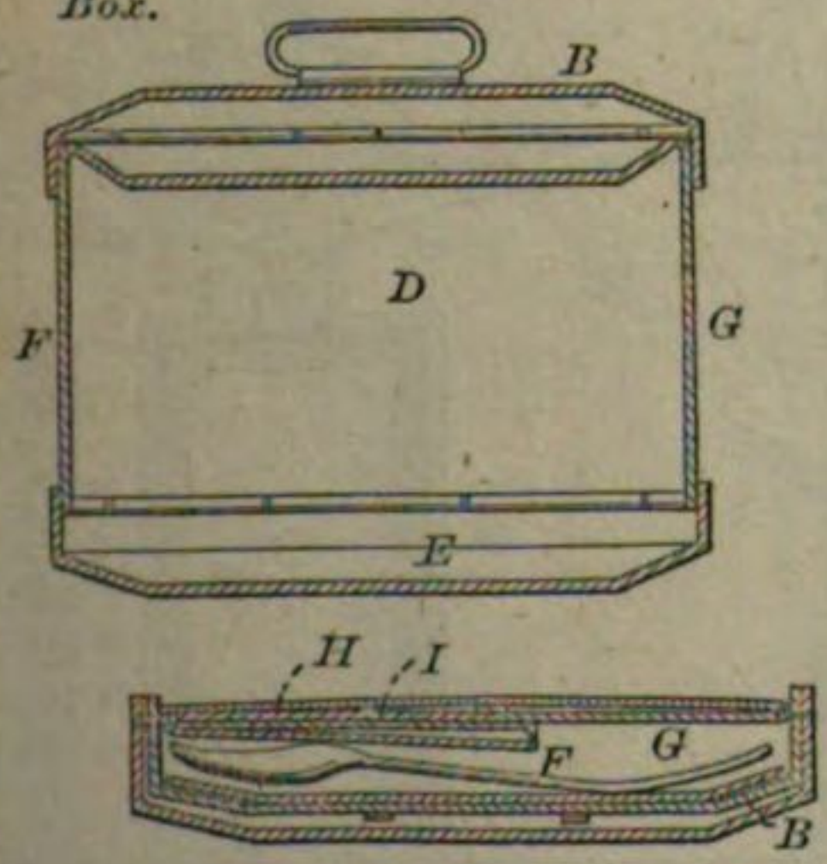
51954—E. Manley—*Door Latch.*



51953—J. Madden—*Artificial Leg.*

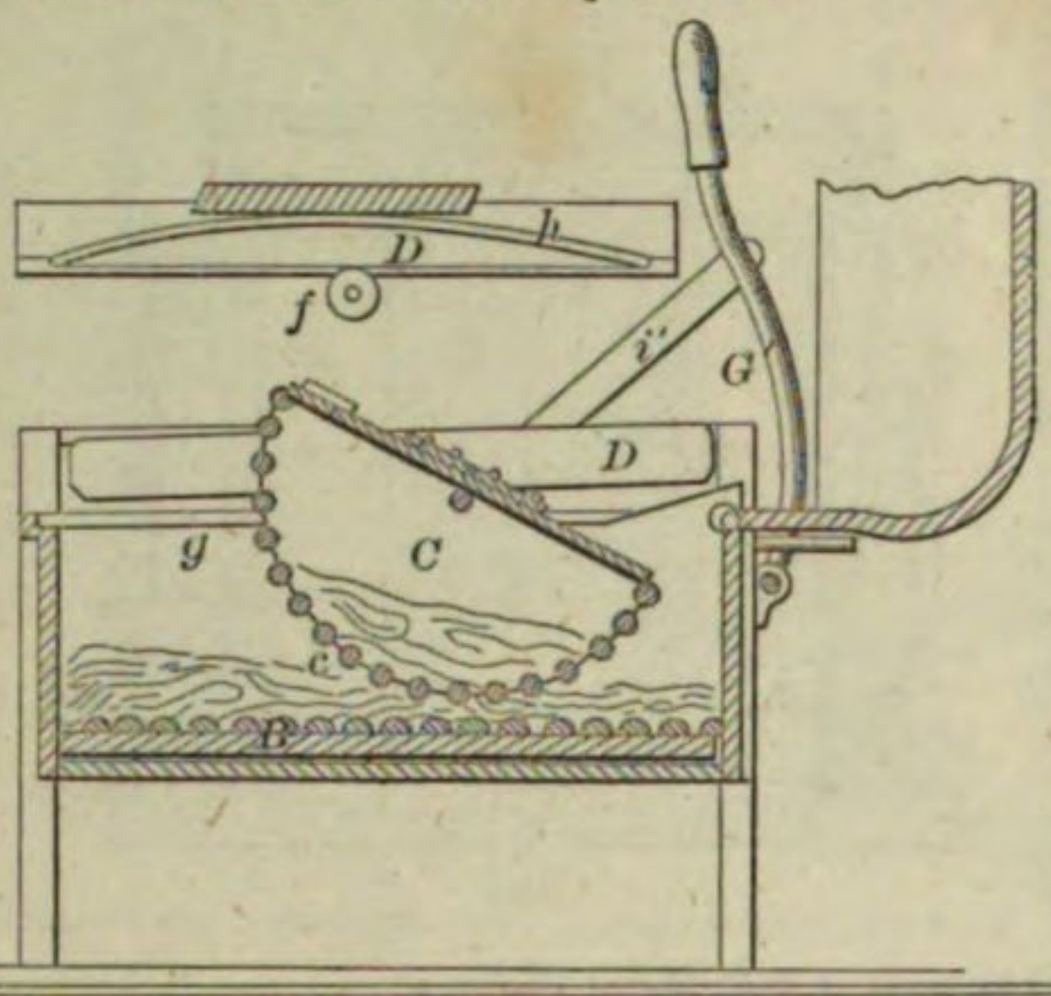


51957—J. A. Minor—*Folding Lunch Box.*

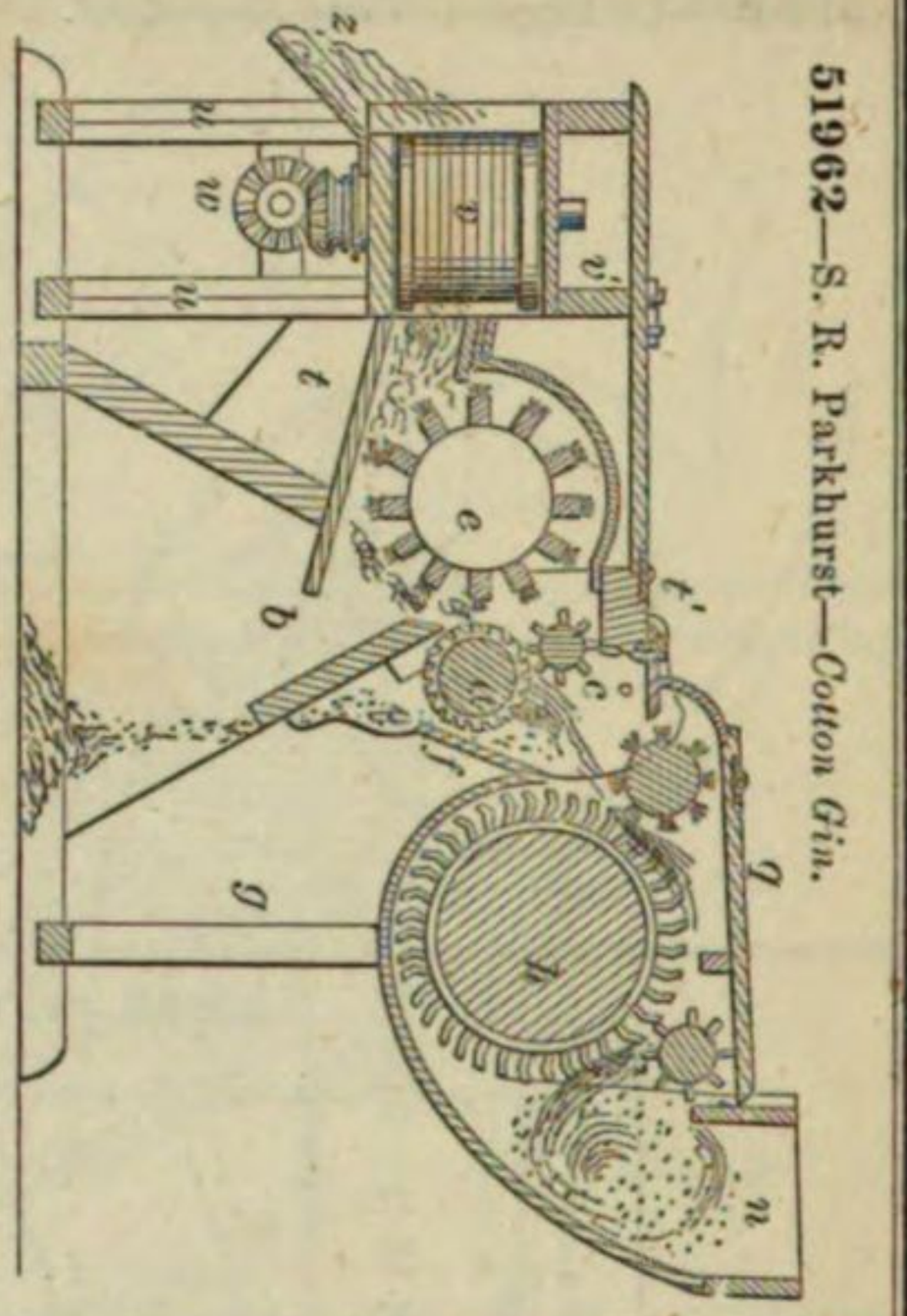


51951—H. B. Livermore—*Fish Hook.*

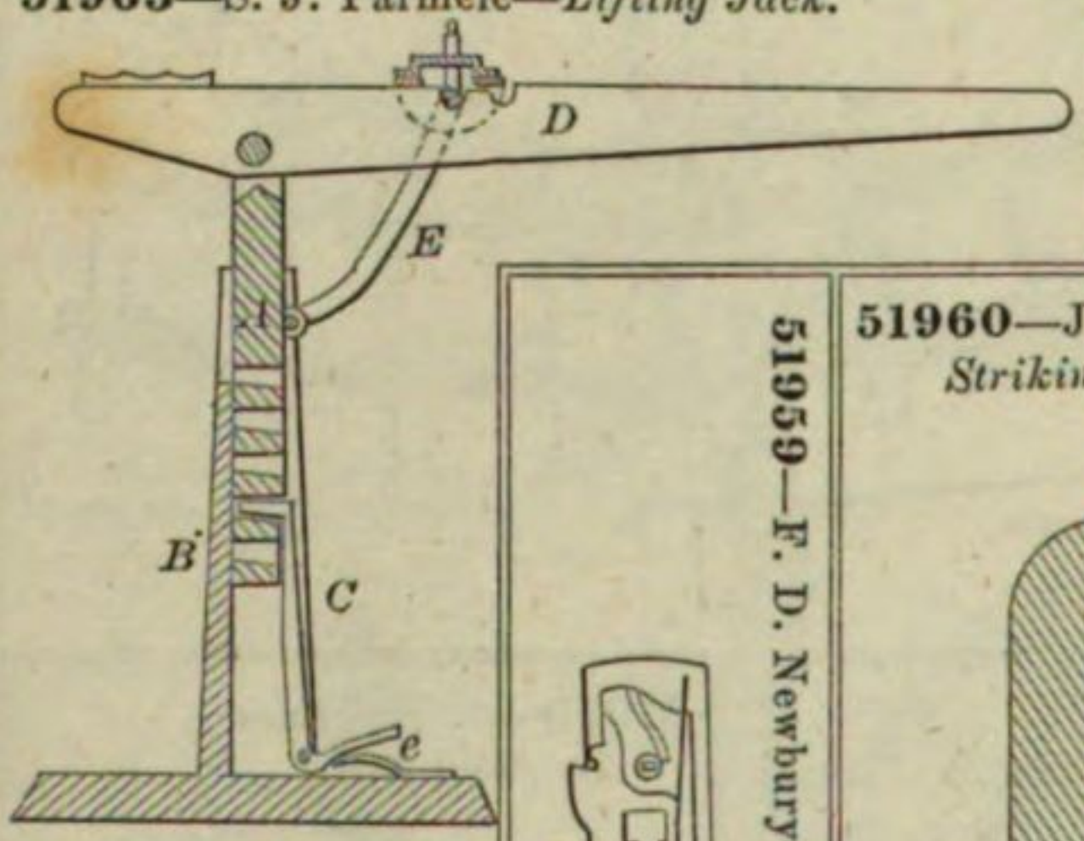
51958—H. Nash—*Washing Machine.*



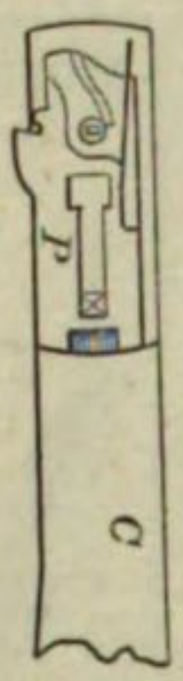
51962—S. R. Parkhurst—*Cotton Gin.*



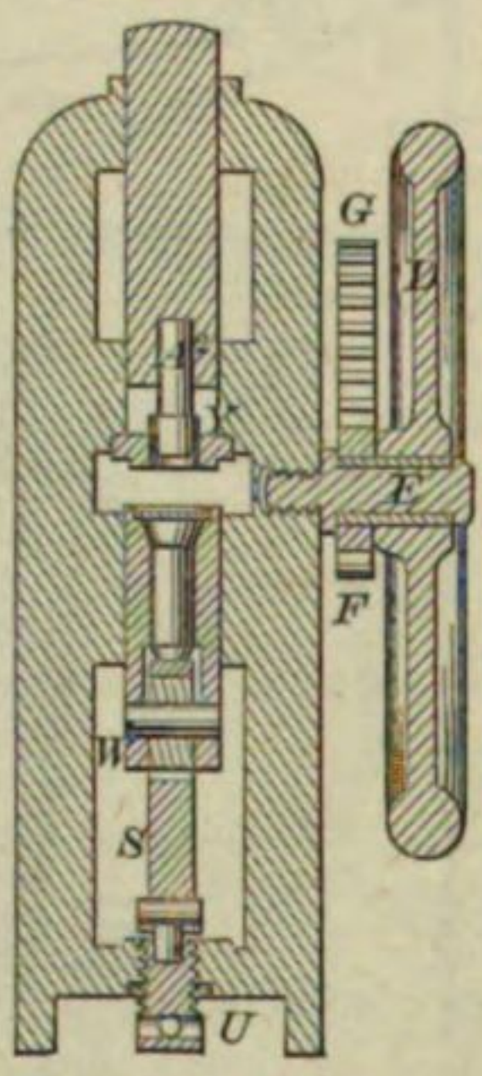
51963—S. J. Parmele—*Lifting Jack.*



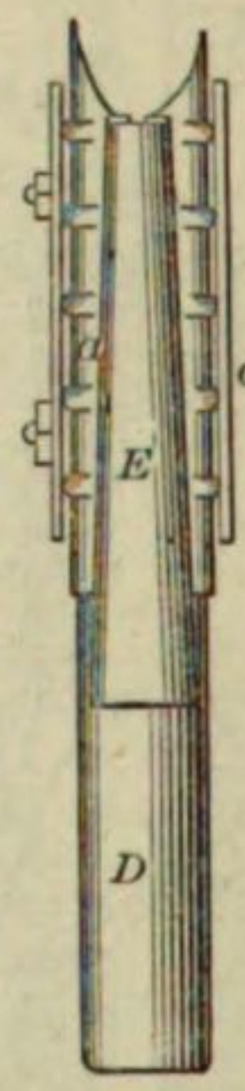
51959—F. D. Newbury—*Breech-Loading Fire Arm.*



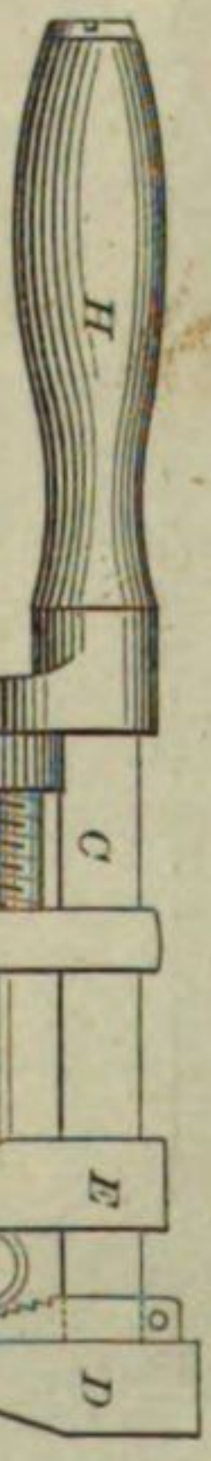
51960—J. North—*Press for Striking up Metal.*



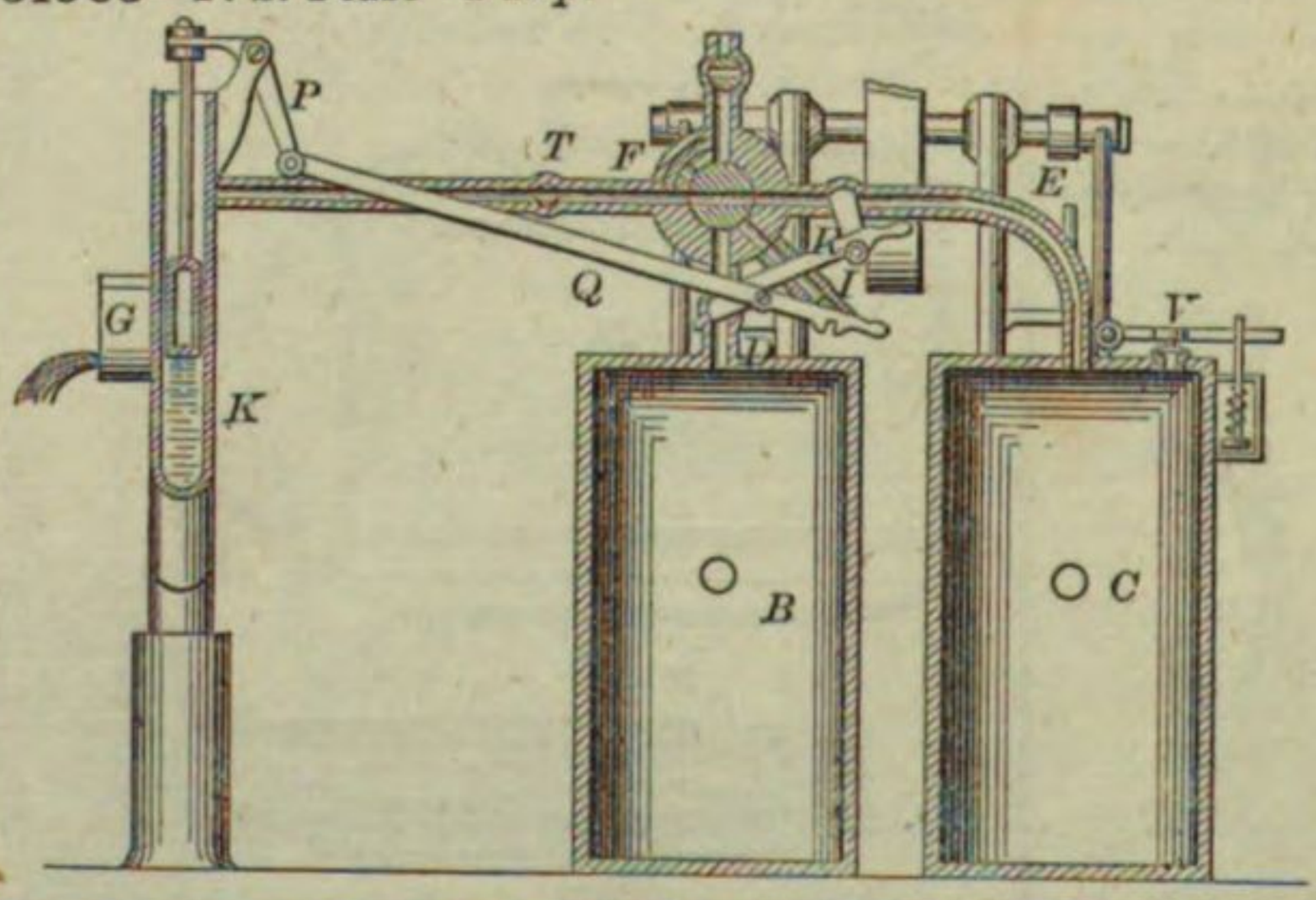
51964—G. W. Parsons—*Broom Head.*



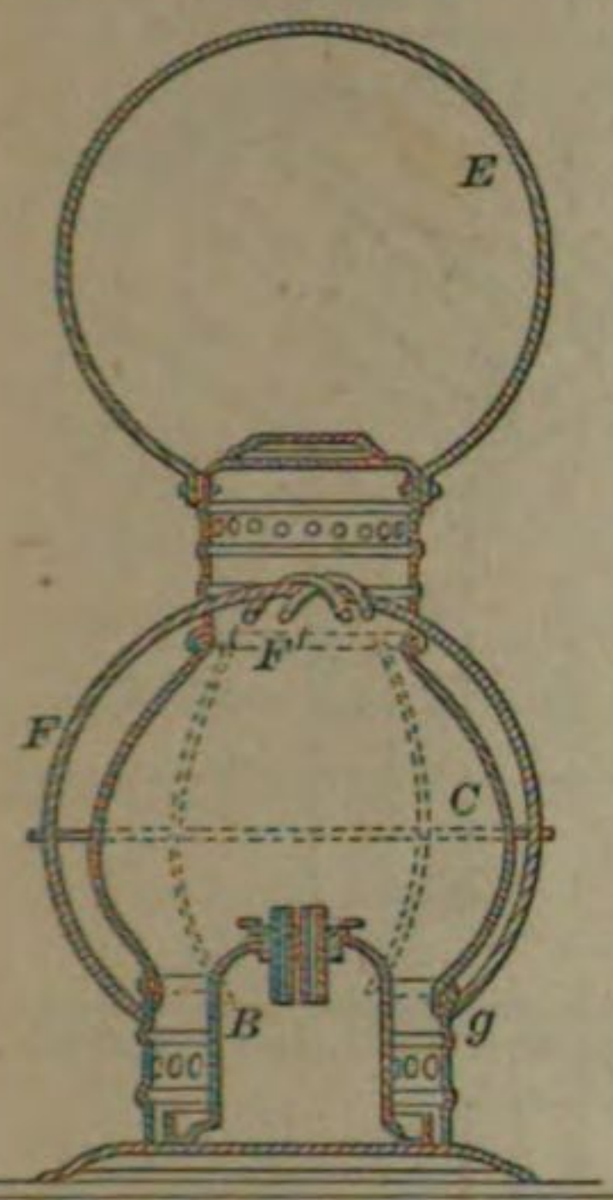
51961—T. C. Page—*Wrench.*



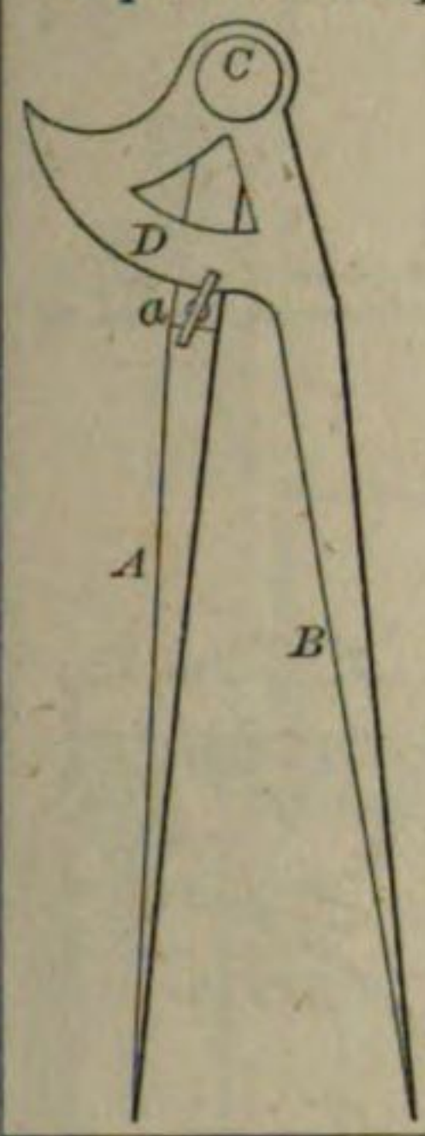
51965—F. S. Pease—*Pump.*



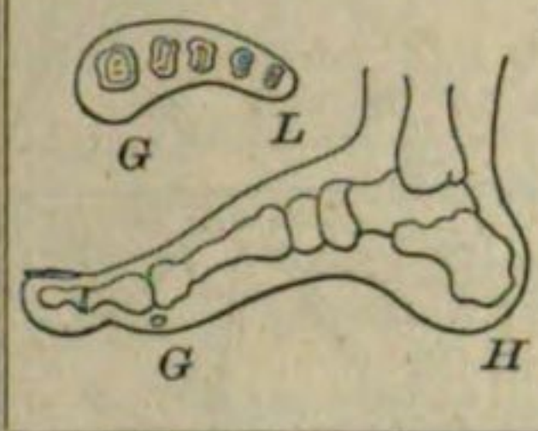
51966—G. Peugeot—*Lantern.*



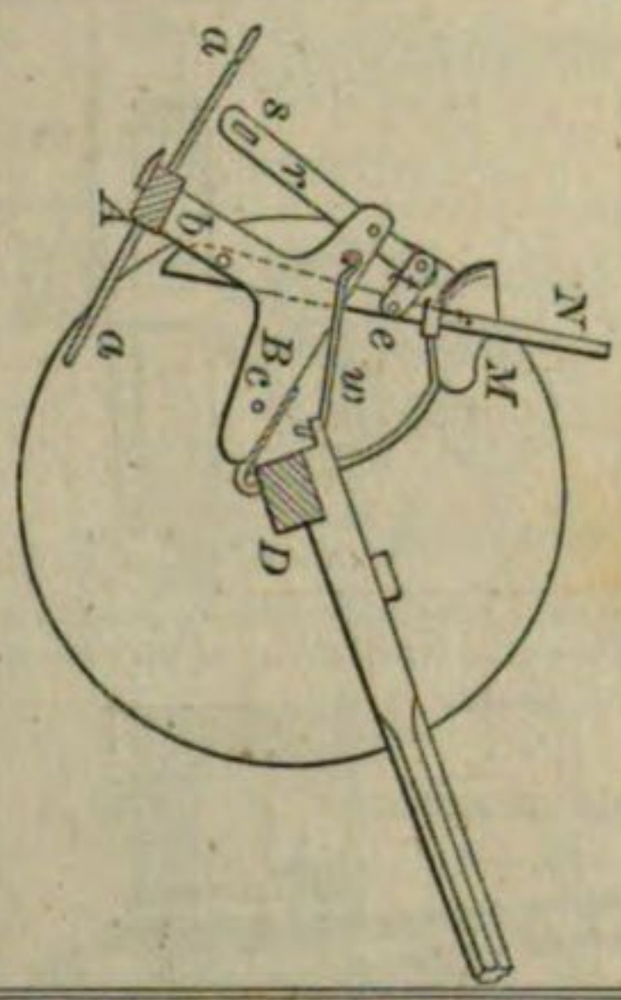
51967—
Pfleghar & Schollhorn—
Compass and Calipers.



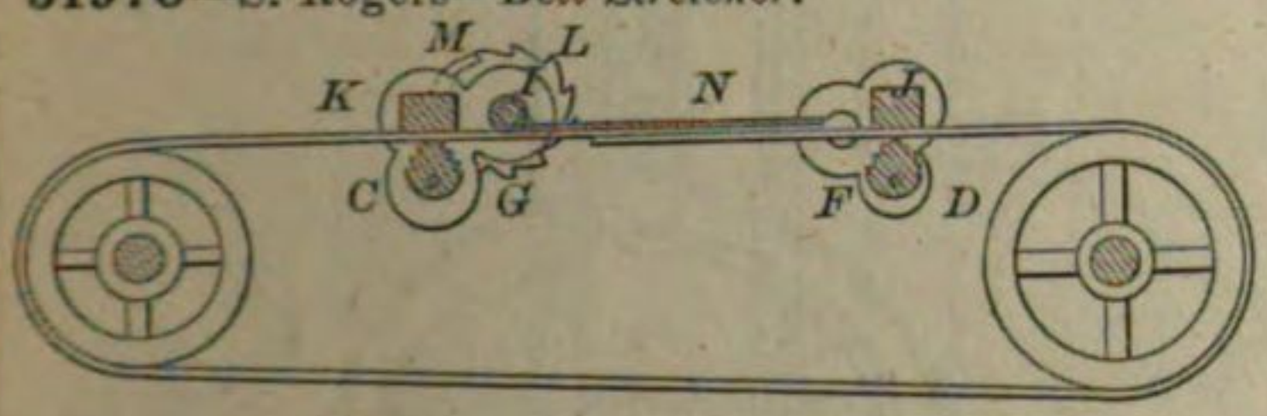
51968—J. C. Plumer—
Boots and Shoes.

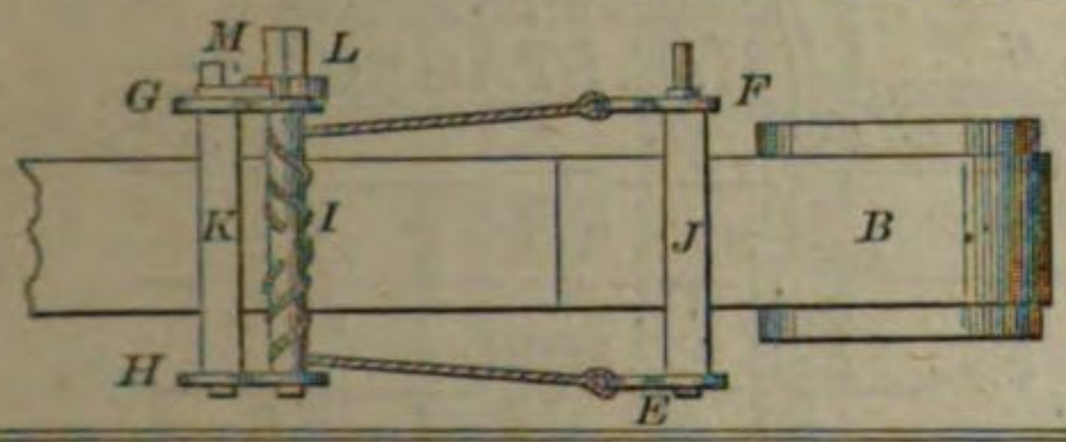


51969—S. B. Reed—*Horse Rake.*

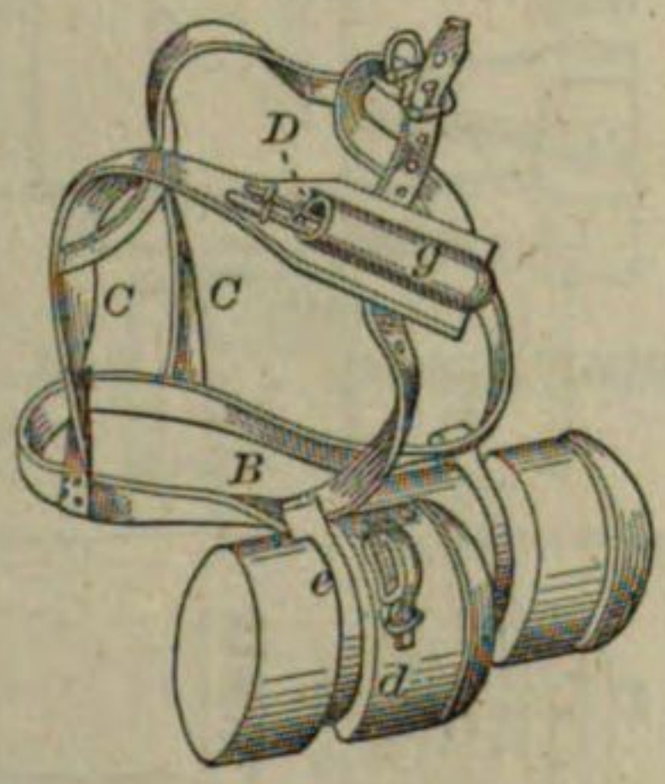


51970—S. Rogers—*Belt Stretcher.*

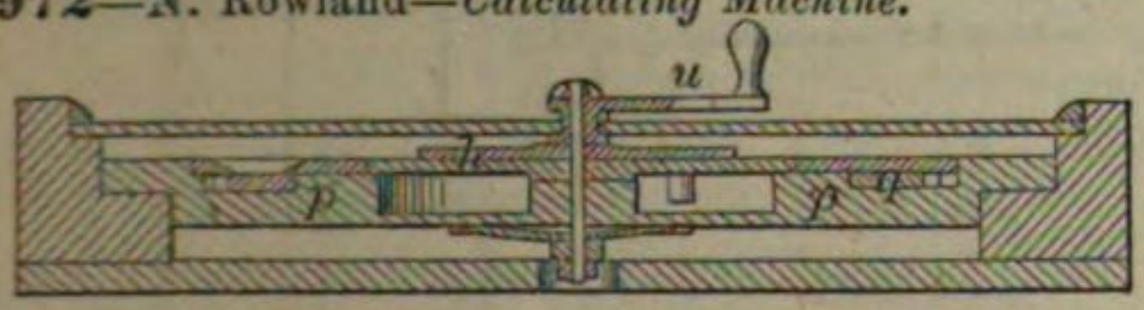




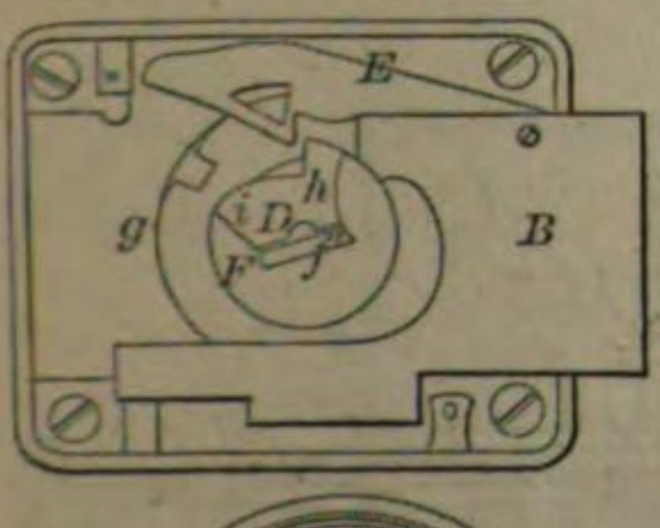
51971—E. Rousseil—*Life Preserver.*

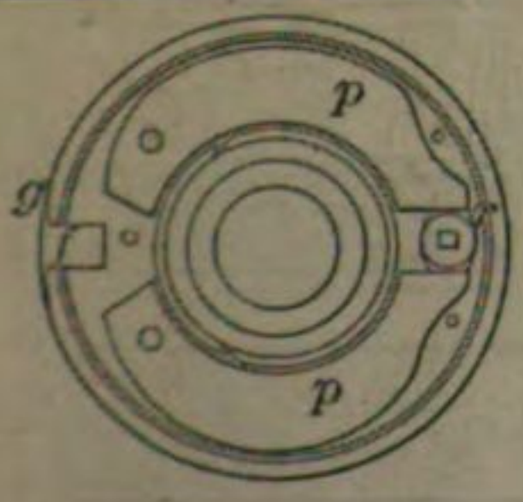


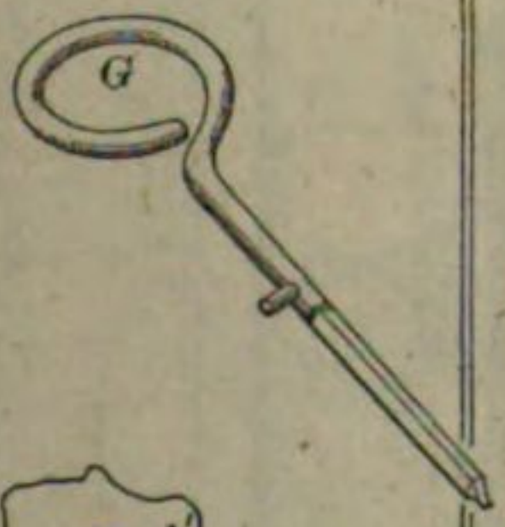
51972—N. Rowland—*Calculating Machine.*



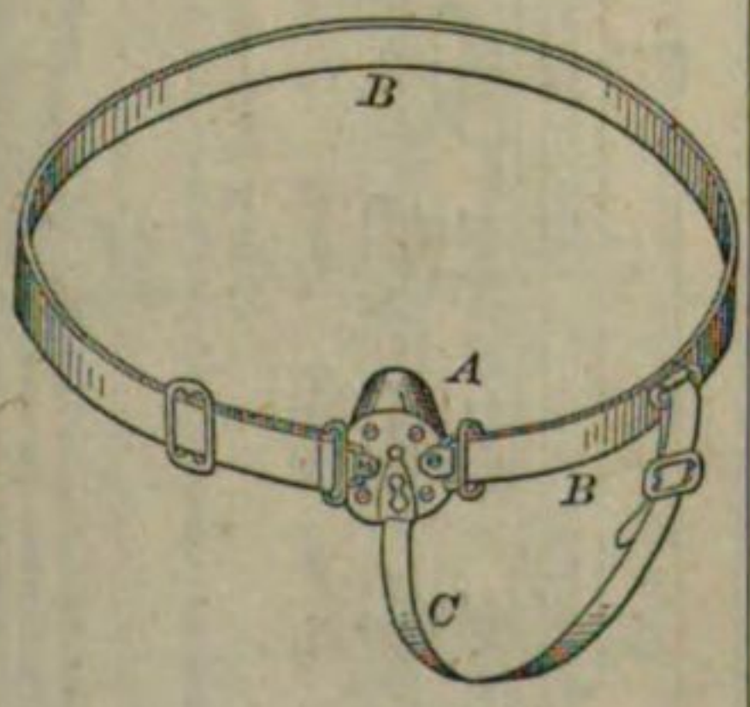
51973—Sargent & Covert—*Lock.*



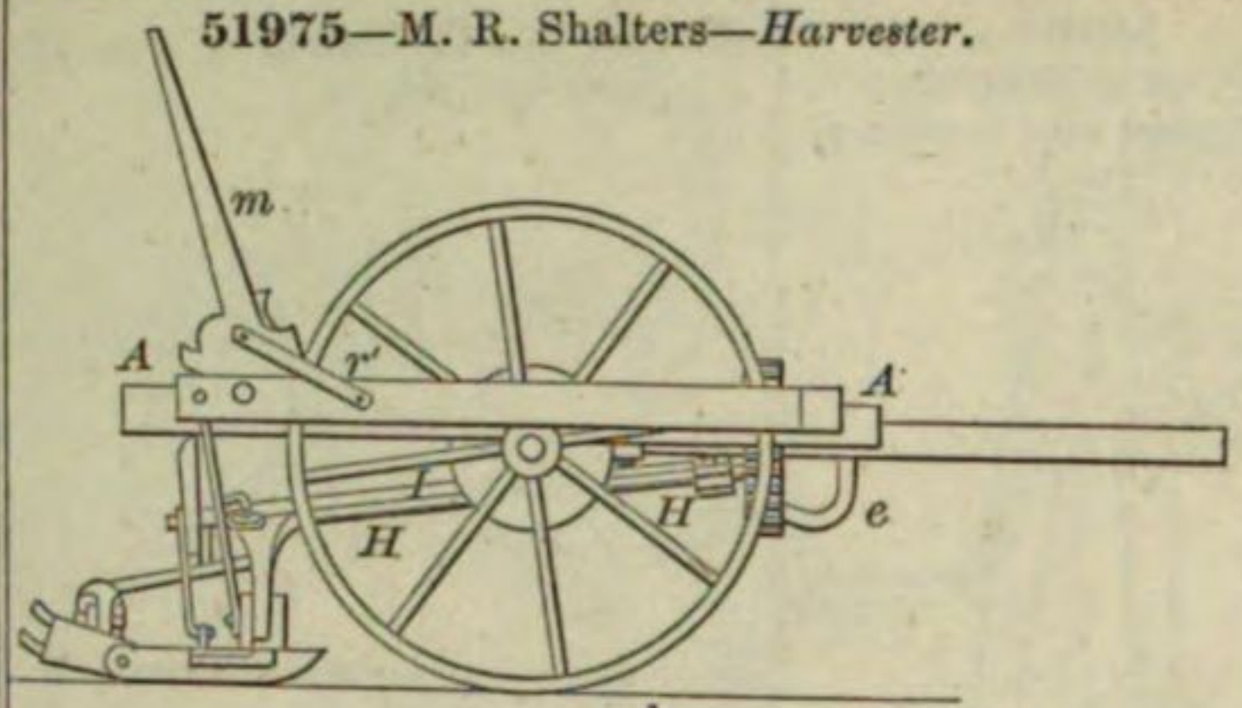


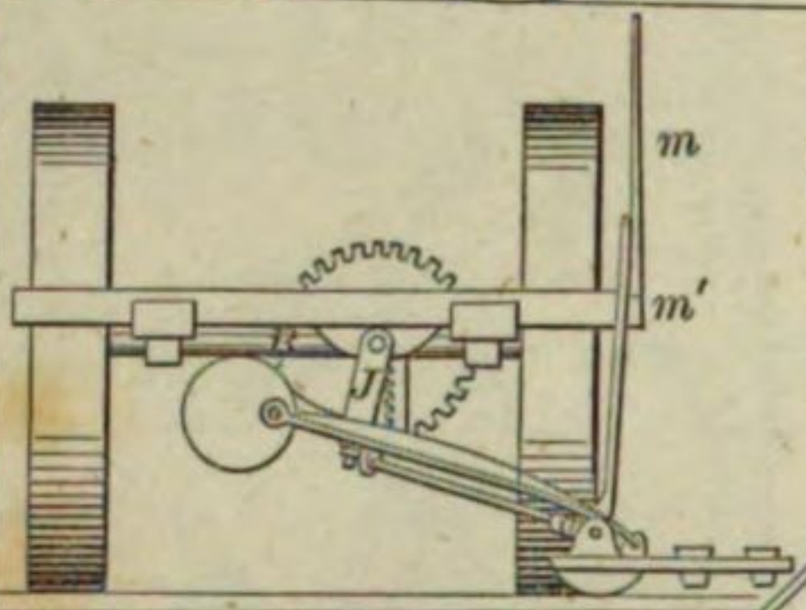


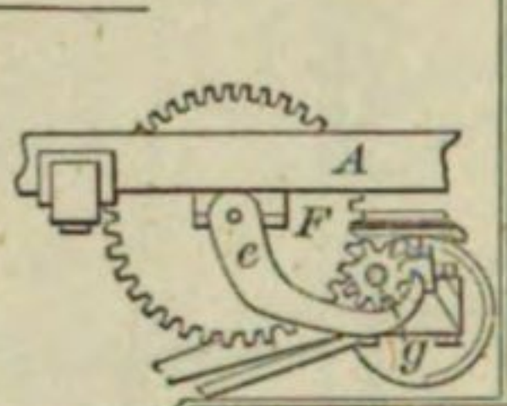
51974—J. Scott—*Truss.*



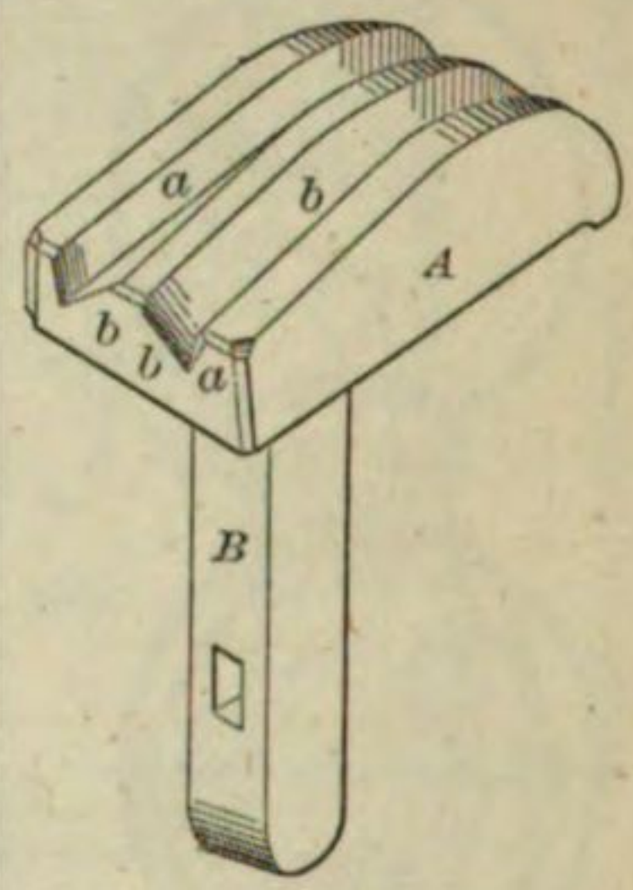
51975—M. R. Shalters—*Harvester.*



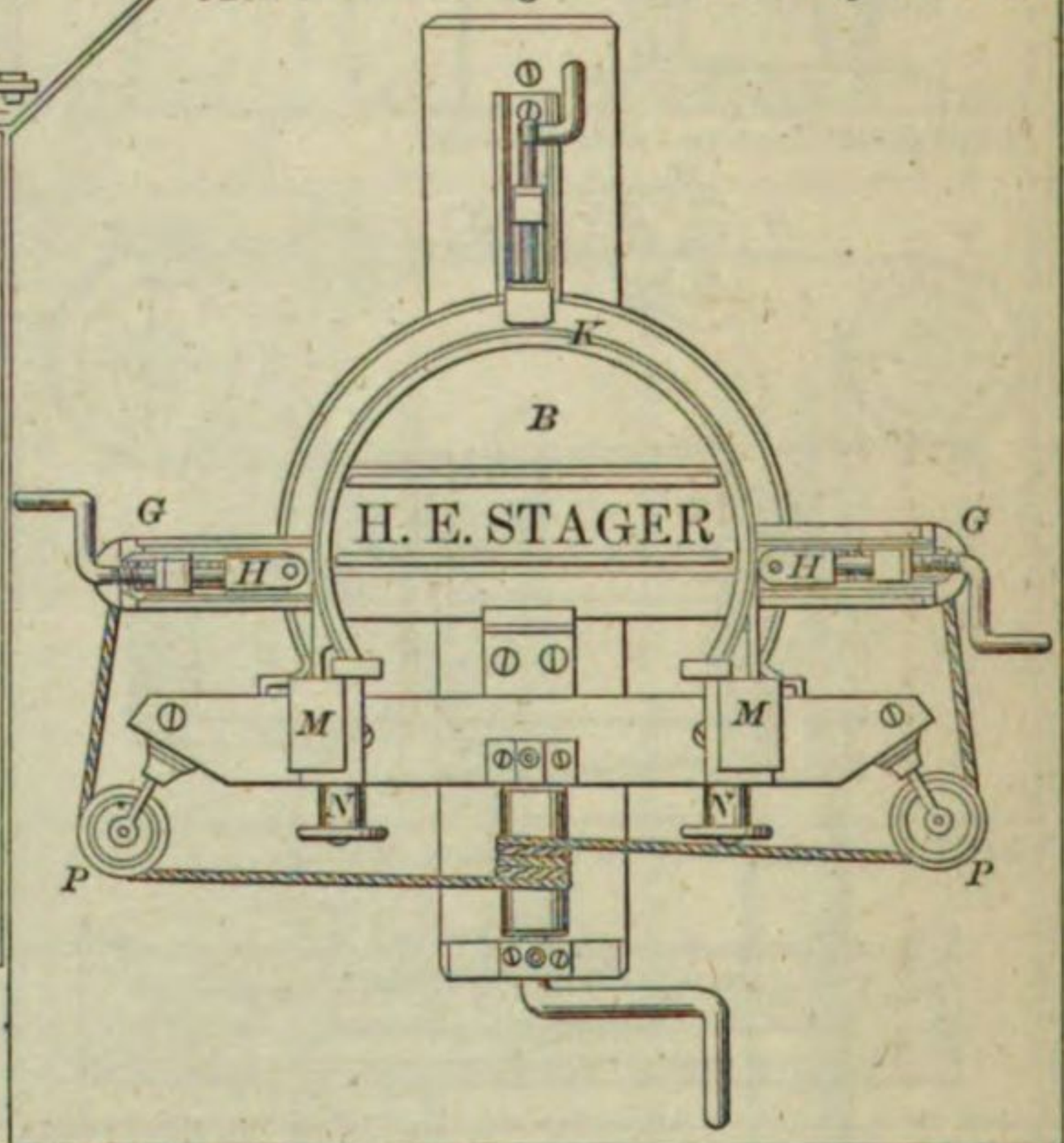




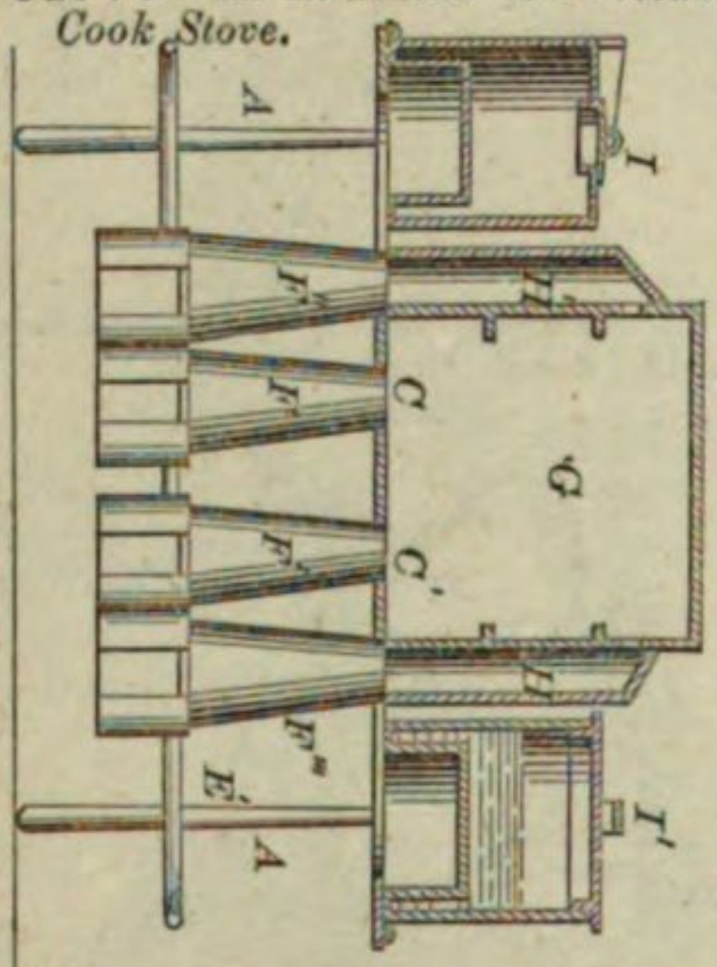
51979—U. Stewart—*Forming Horse Shoes.*



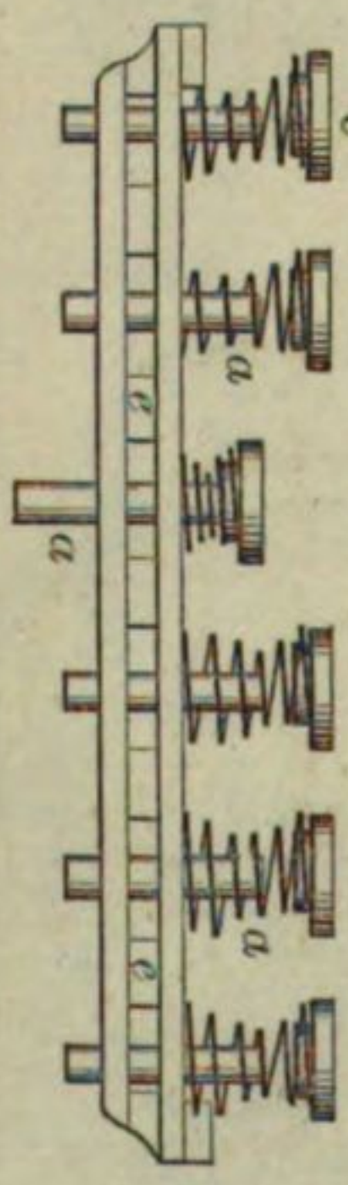
51978—H. E. Stager—*Wood Bending Machine.*



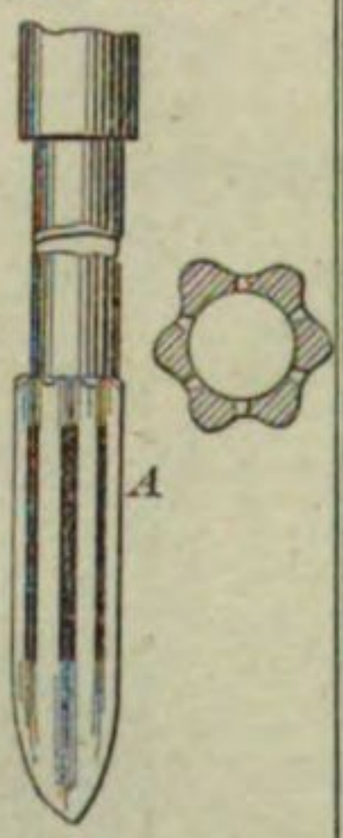
51976—H. E. Smith—*Petroleum Cook Stove.*



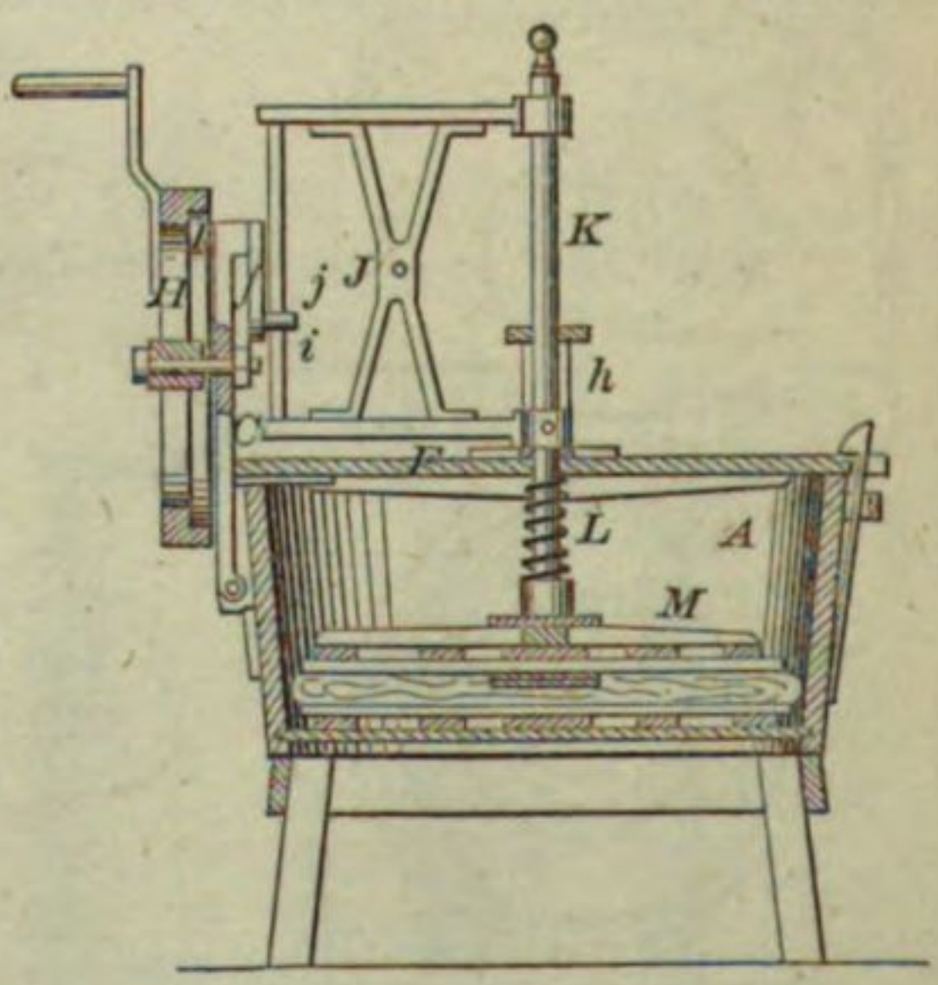
51981—J. E. Todd—*Bed Bottom.*



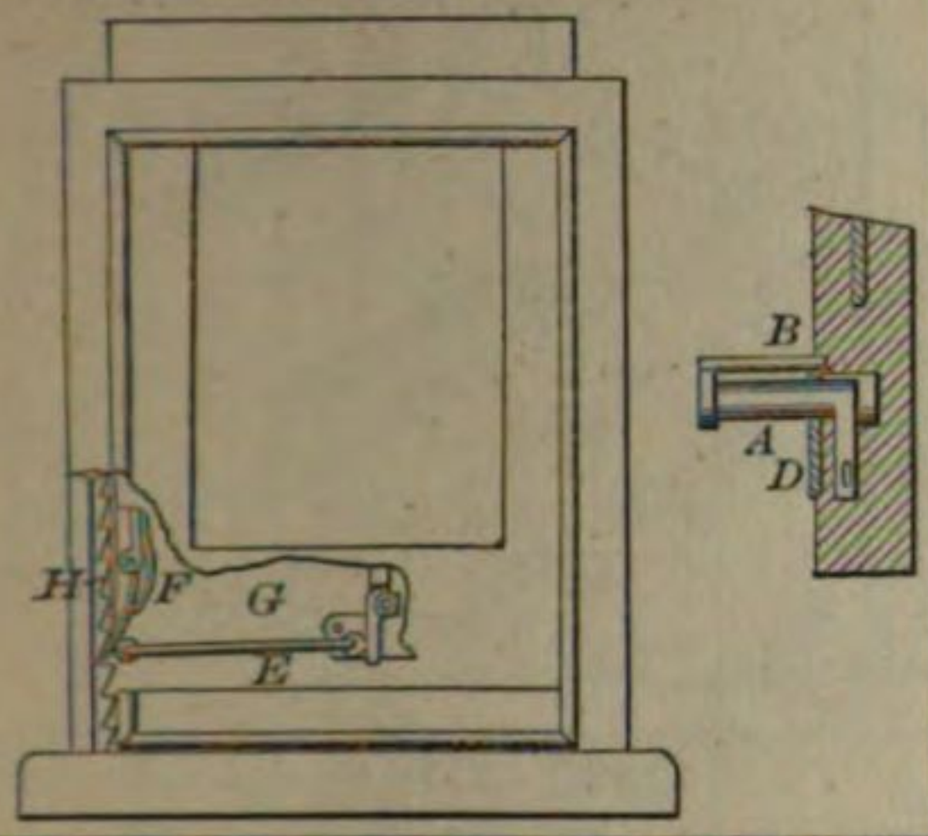
51980—W. W. St. John—*Drill Head.*



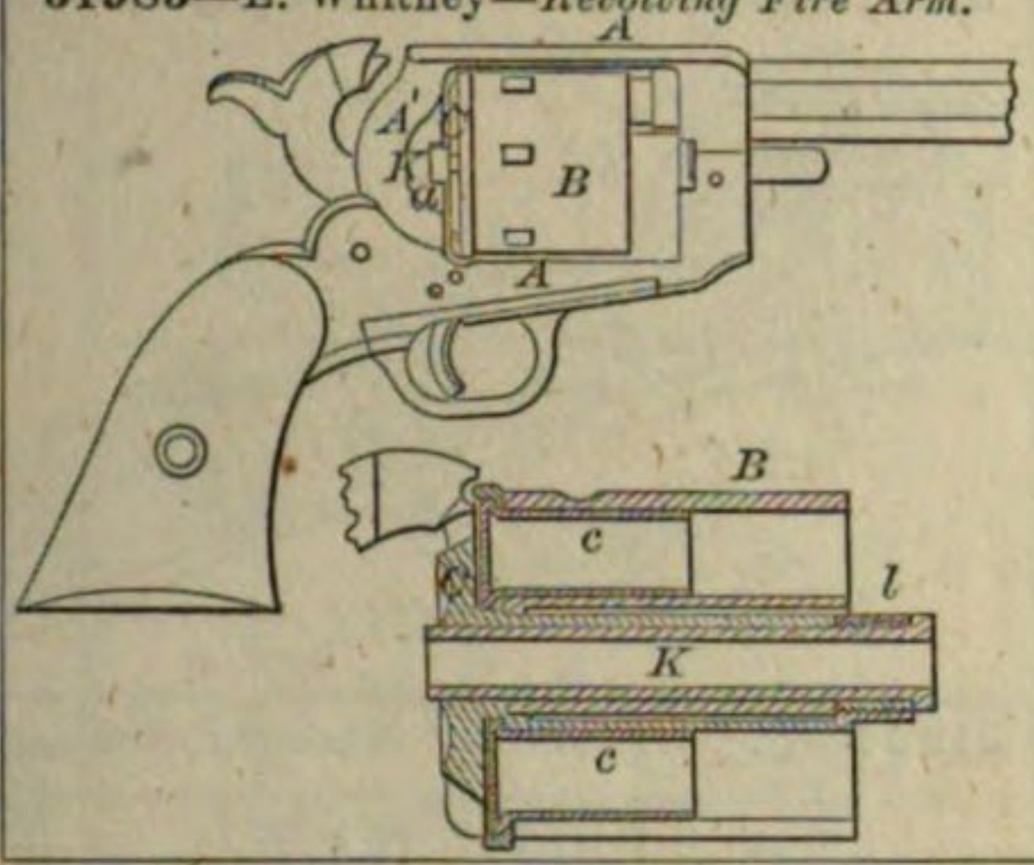
51977—Stafford & Crossman—*Washing Machine.*



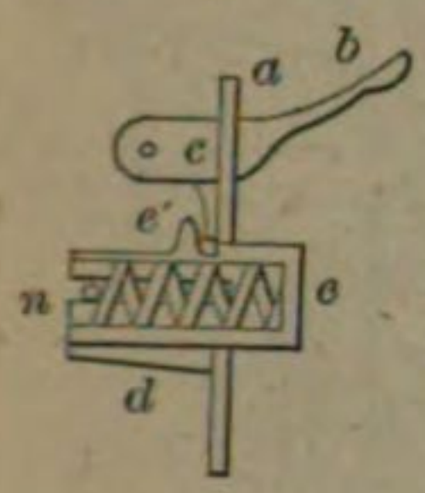
51982—R. Vose—*Sash Fastener.*



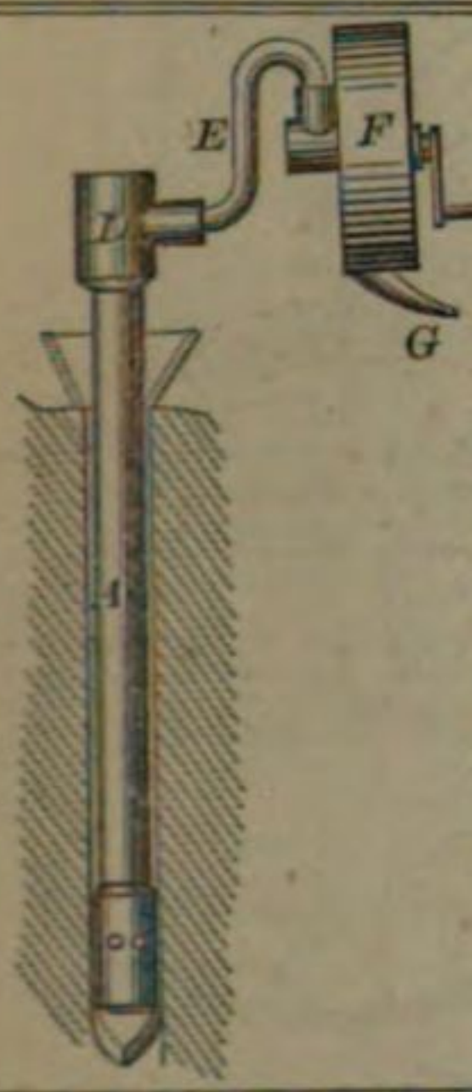
51985—E. Whitney—*Revolving Fire Arm.*



51983—G. W. Wareham—*Sash Fastener.*

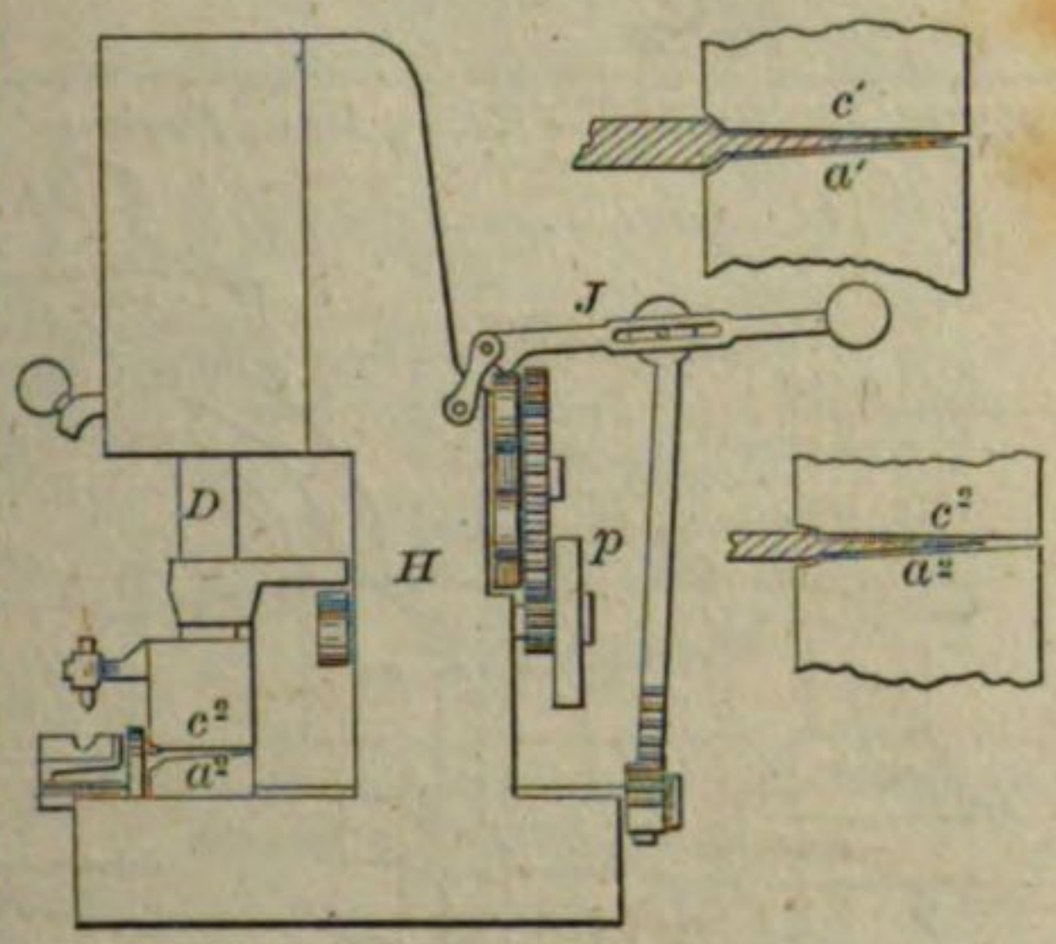


51984—O. G. Warren—*Suction Drill.*

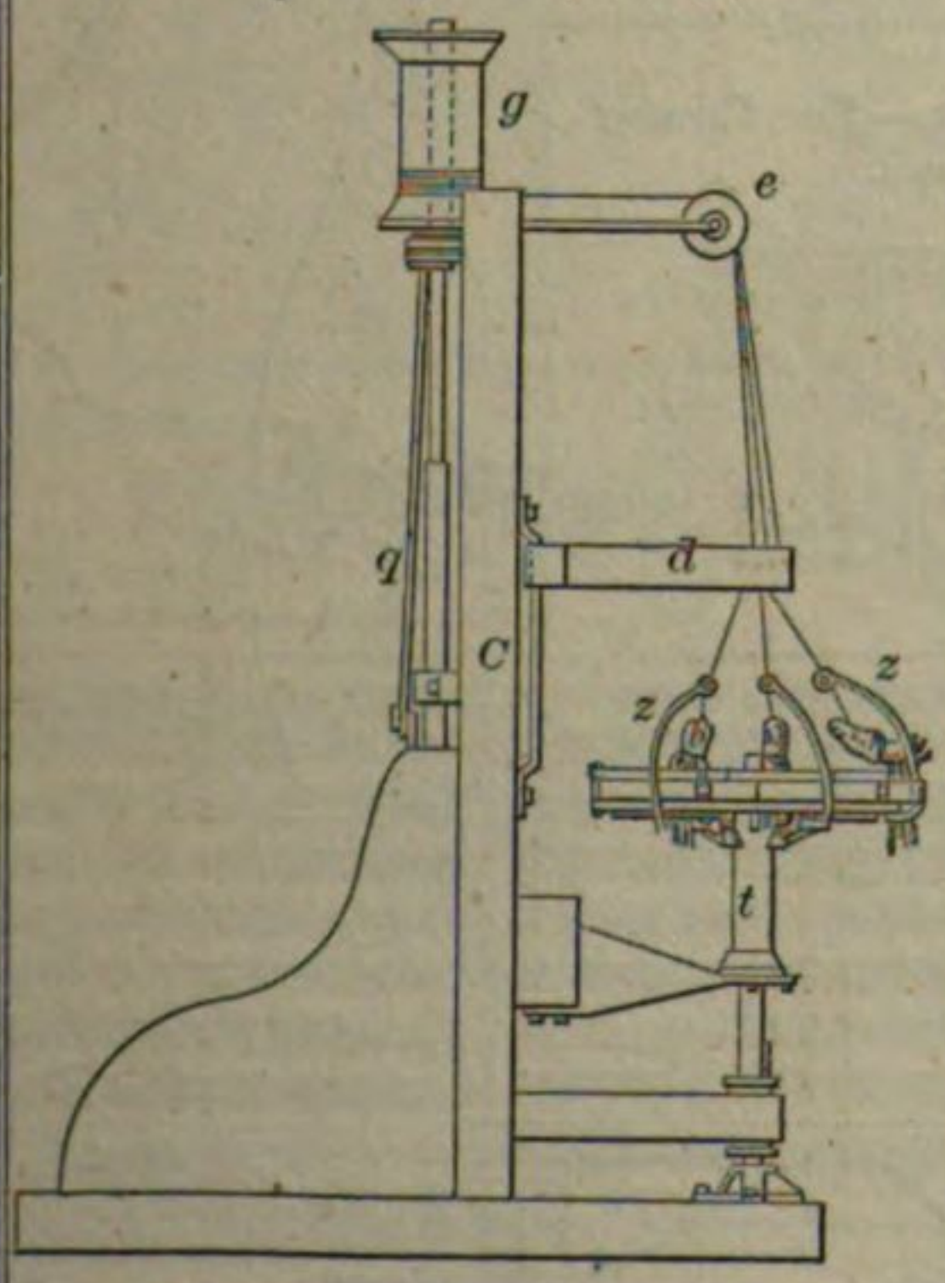


51989—Winter & Brewer—*Boring Wells.*

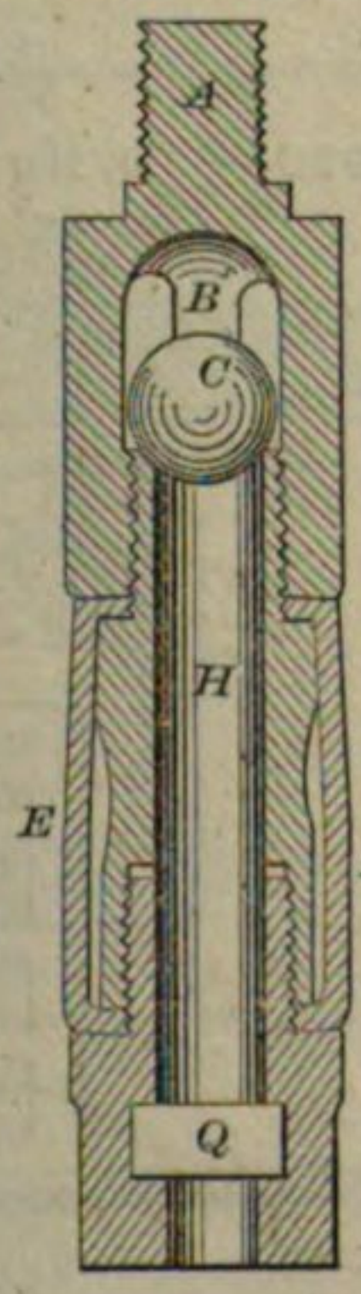
51986—J. A. Whitney—*Horse Shoe Nail Machine.*



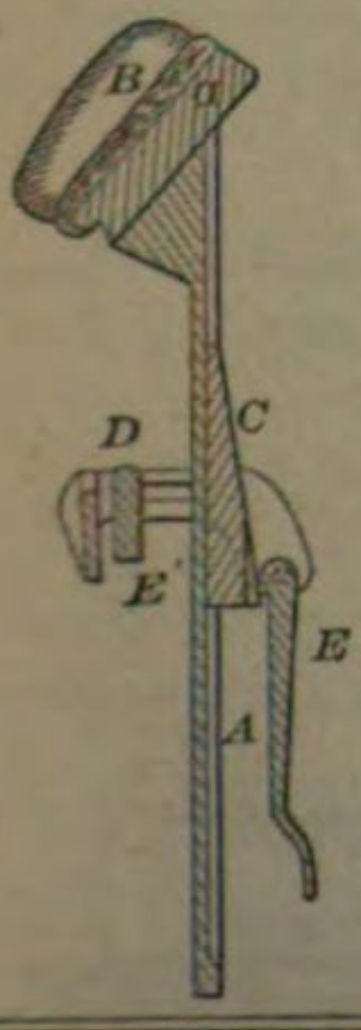
51988—Wilder, Wales & Nichols—*Obtaining Silk from Spiders, &c.*



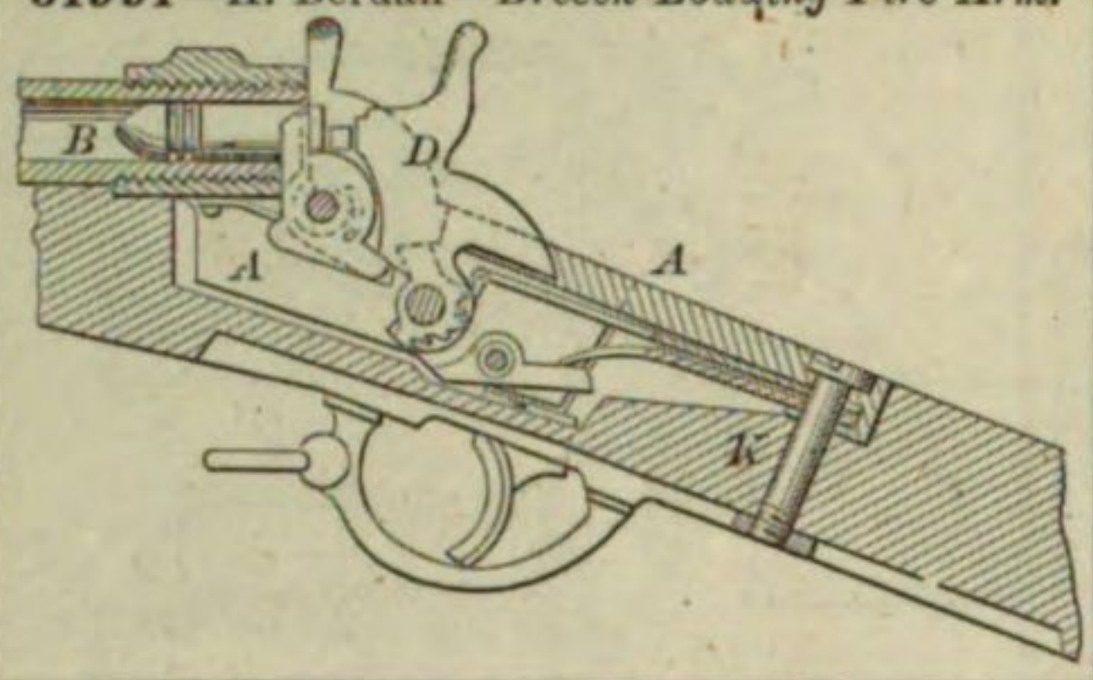
51990—Allen, Rouse & Melcher—*Packing Pump Pistons.*



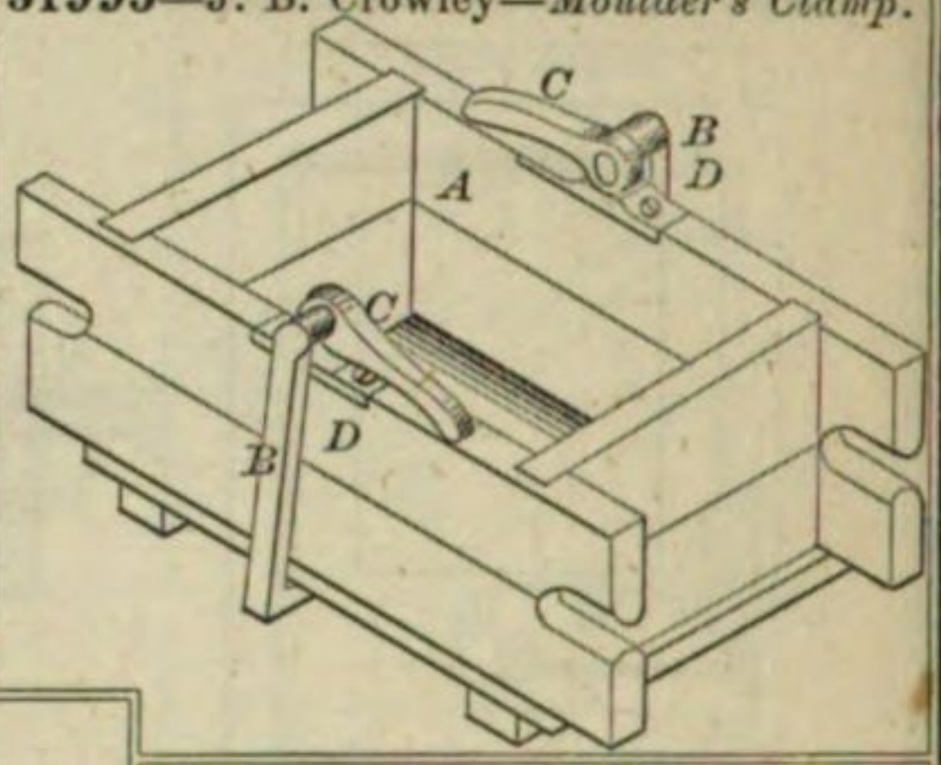
51987—J. M. Whitney—*Portable Head Rest.*



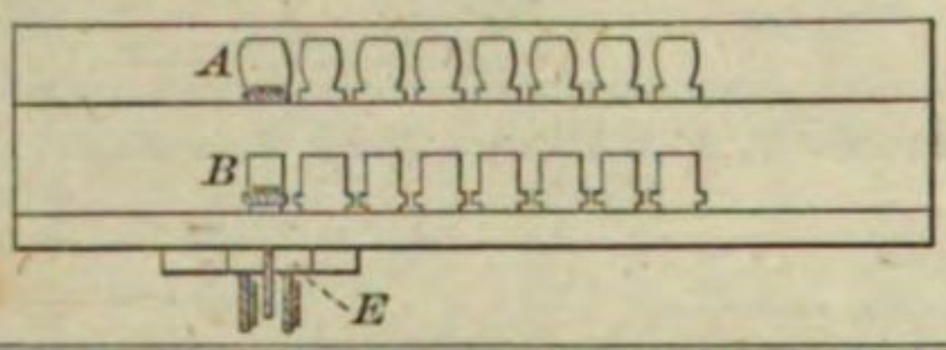
51991—H. Berdan—*Breech-Loading Fire Arm.*



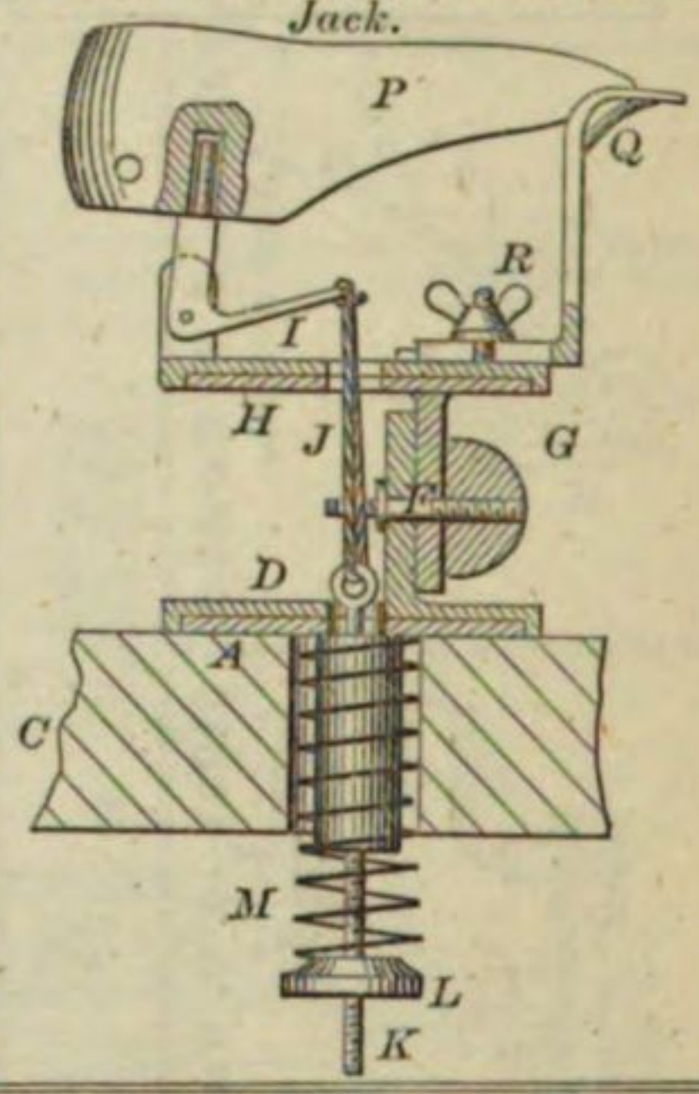
51995—J. B. Crowley—*Moulder's Clamp.*



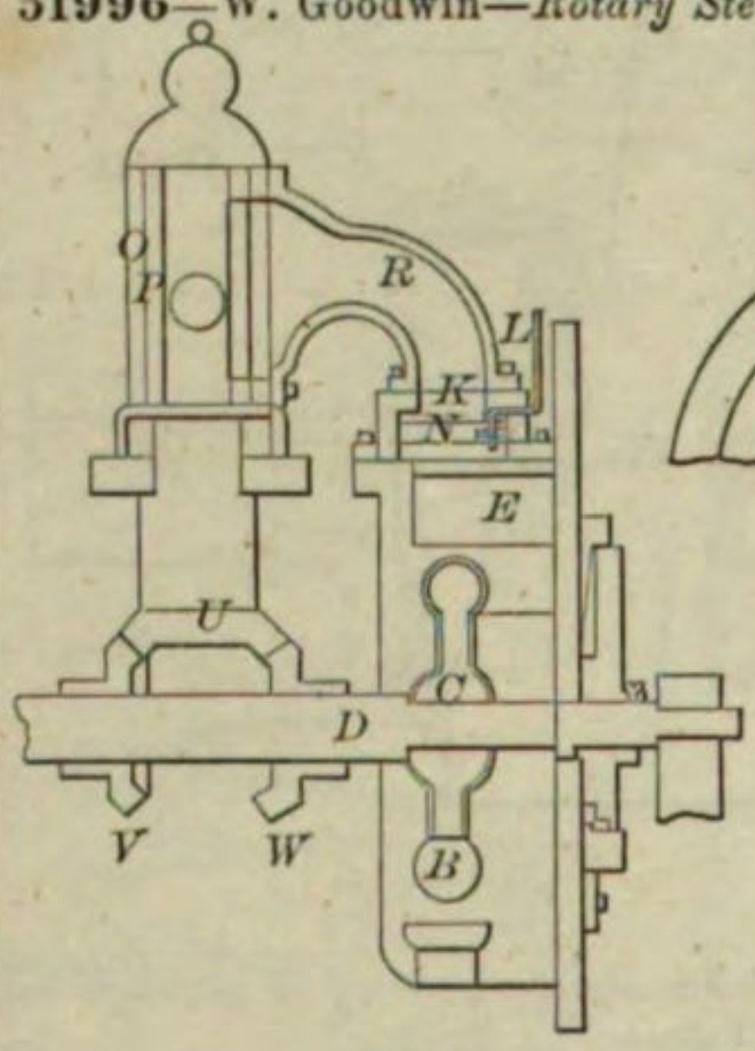
51994—R. Burditt—*Reed Musical Instrument.*

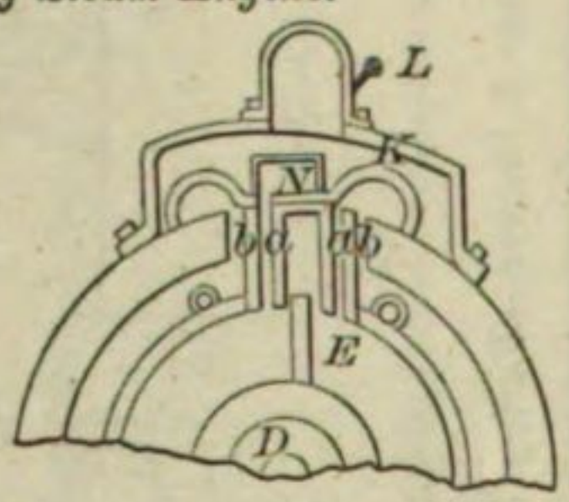


51993—T. L. Brown—*Horse Shoe Jack.*

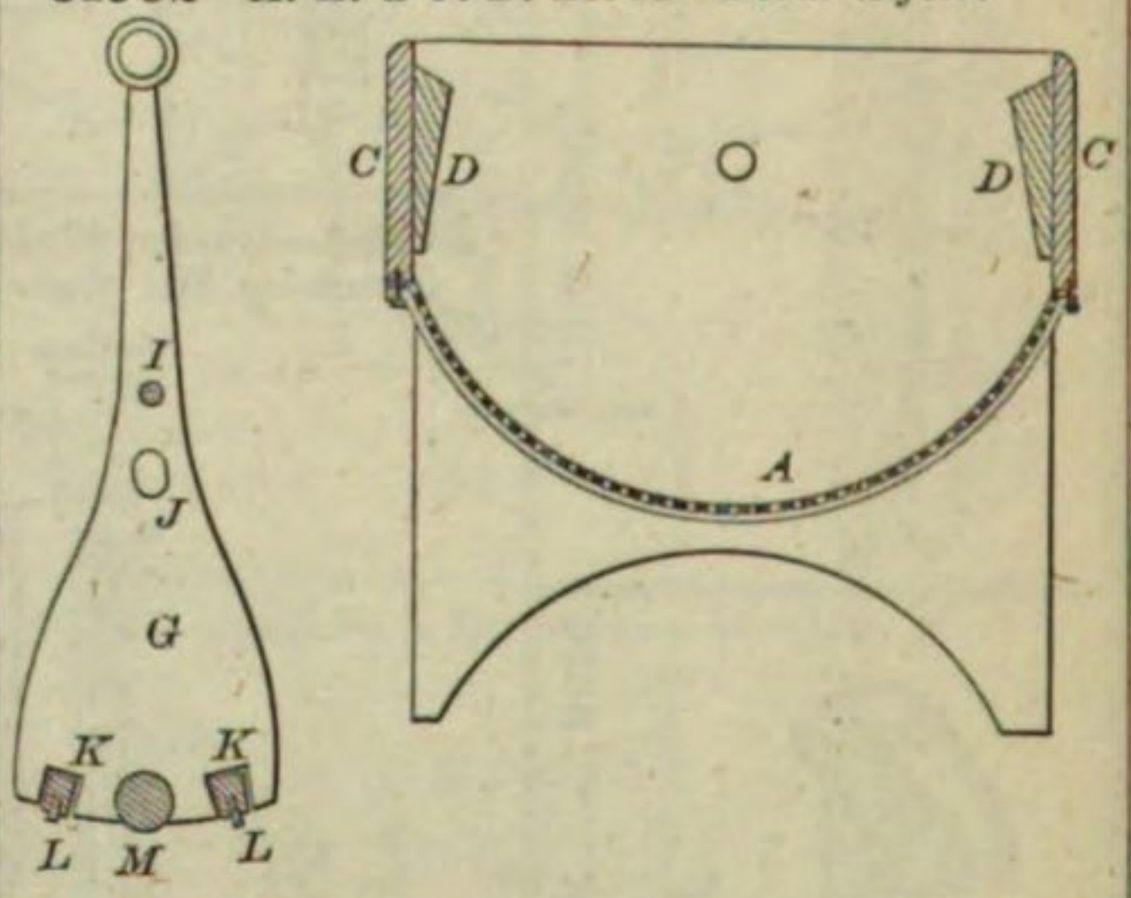


51996—W. Goodwin—*Rotary Steam Engine.*

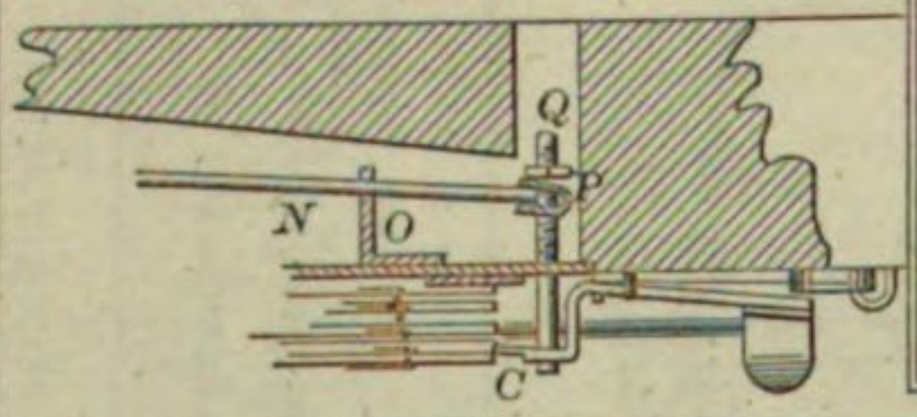


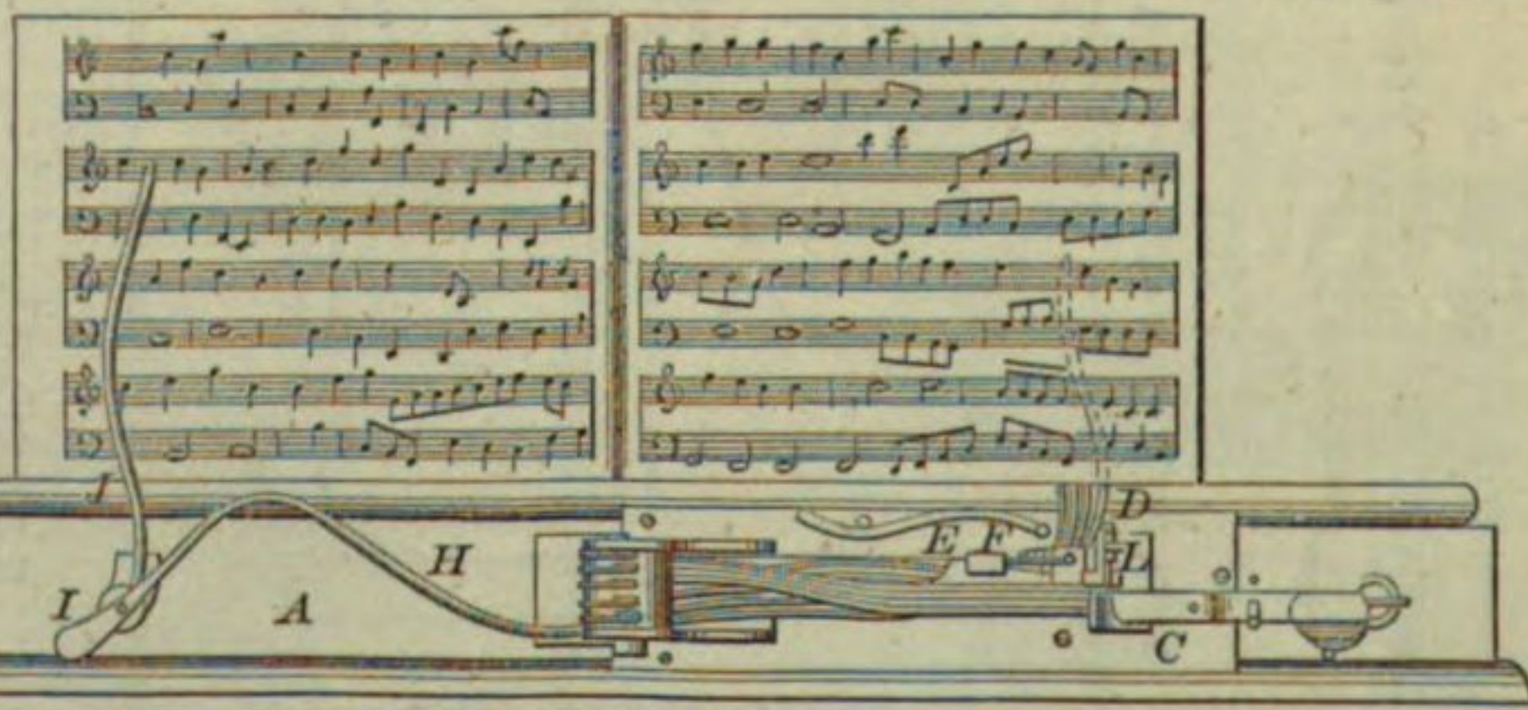


51992—A. E. & J. B. Blood—*Flour Sifter.*

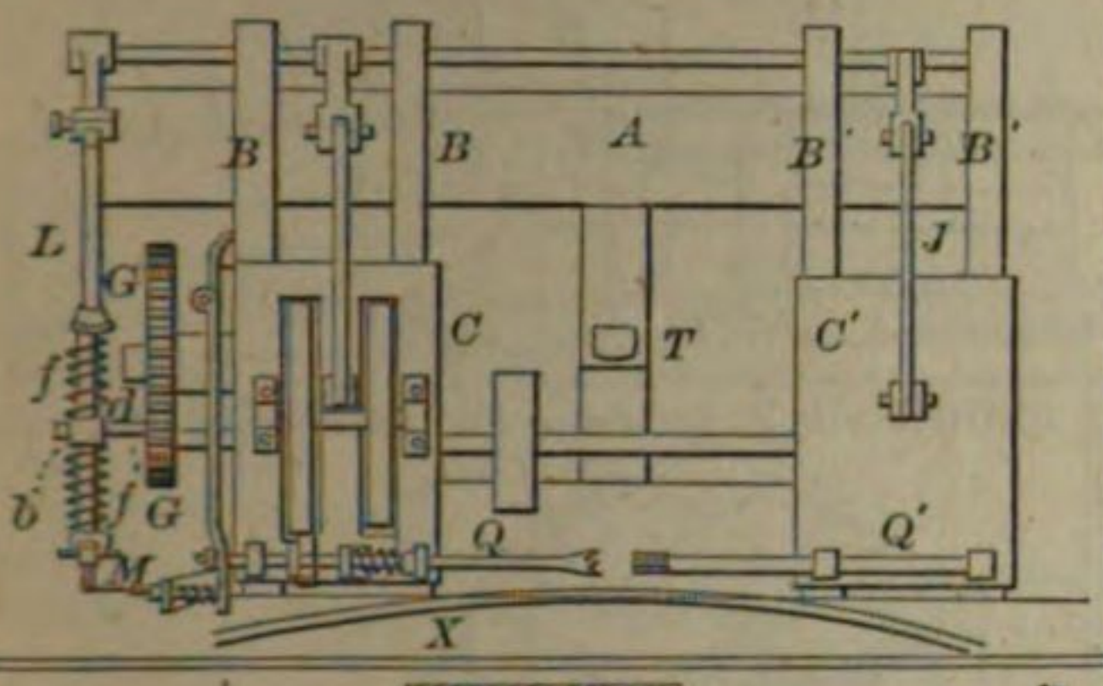


51999—G. M. Hopkins—*For Turning Leaves of Music.*

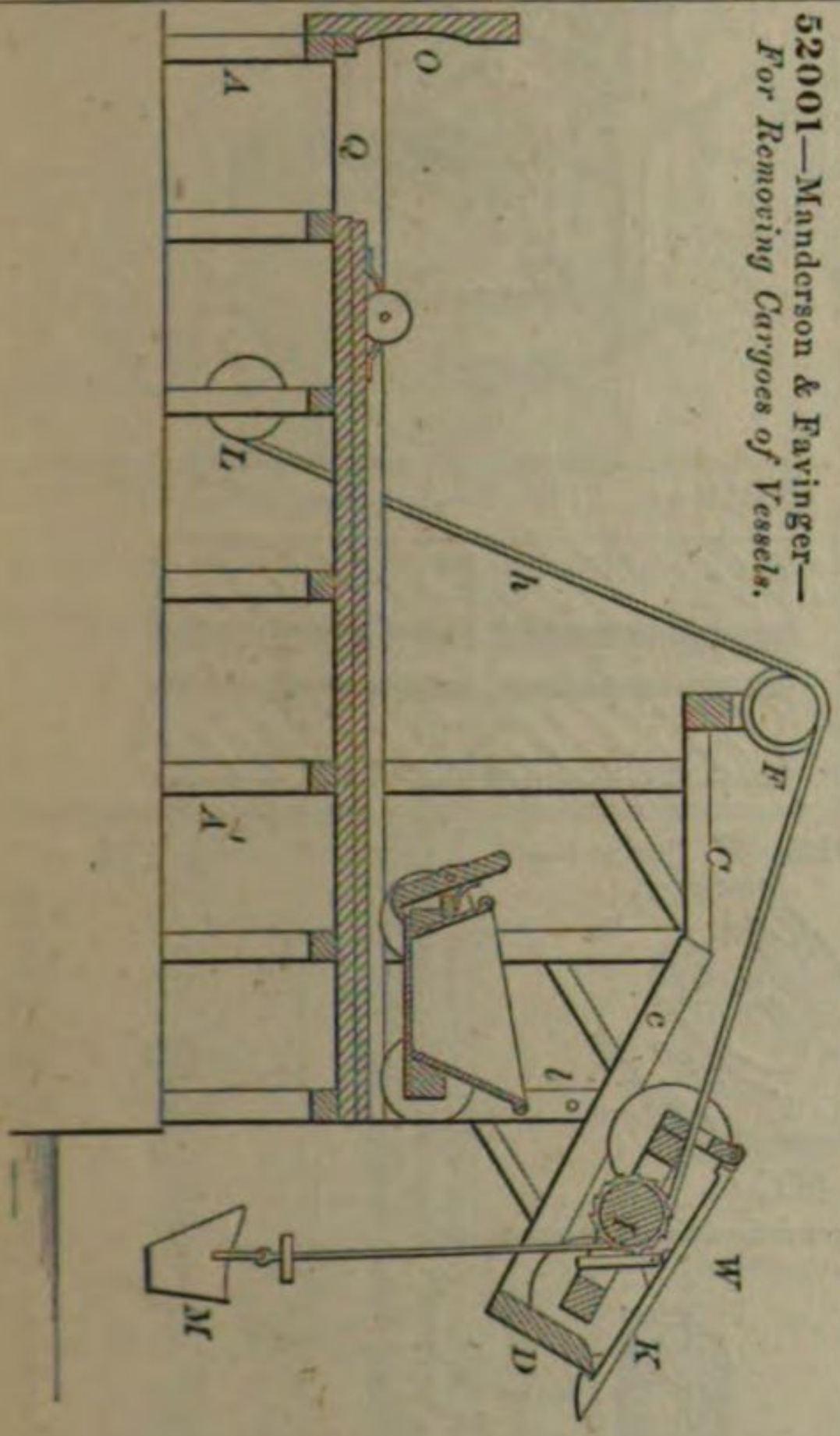




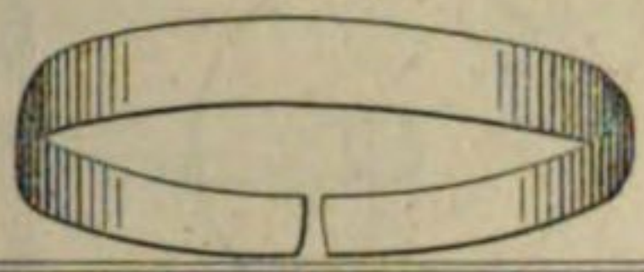
52000—A. Mackie—*Cork Cutting Machine.*



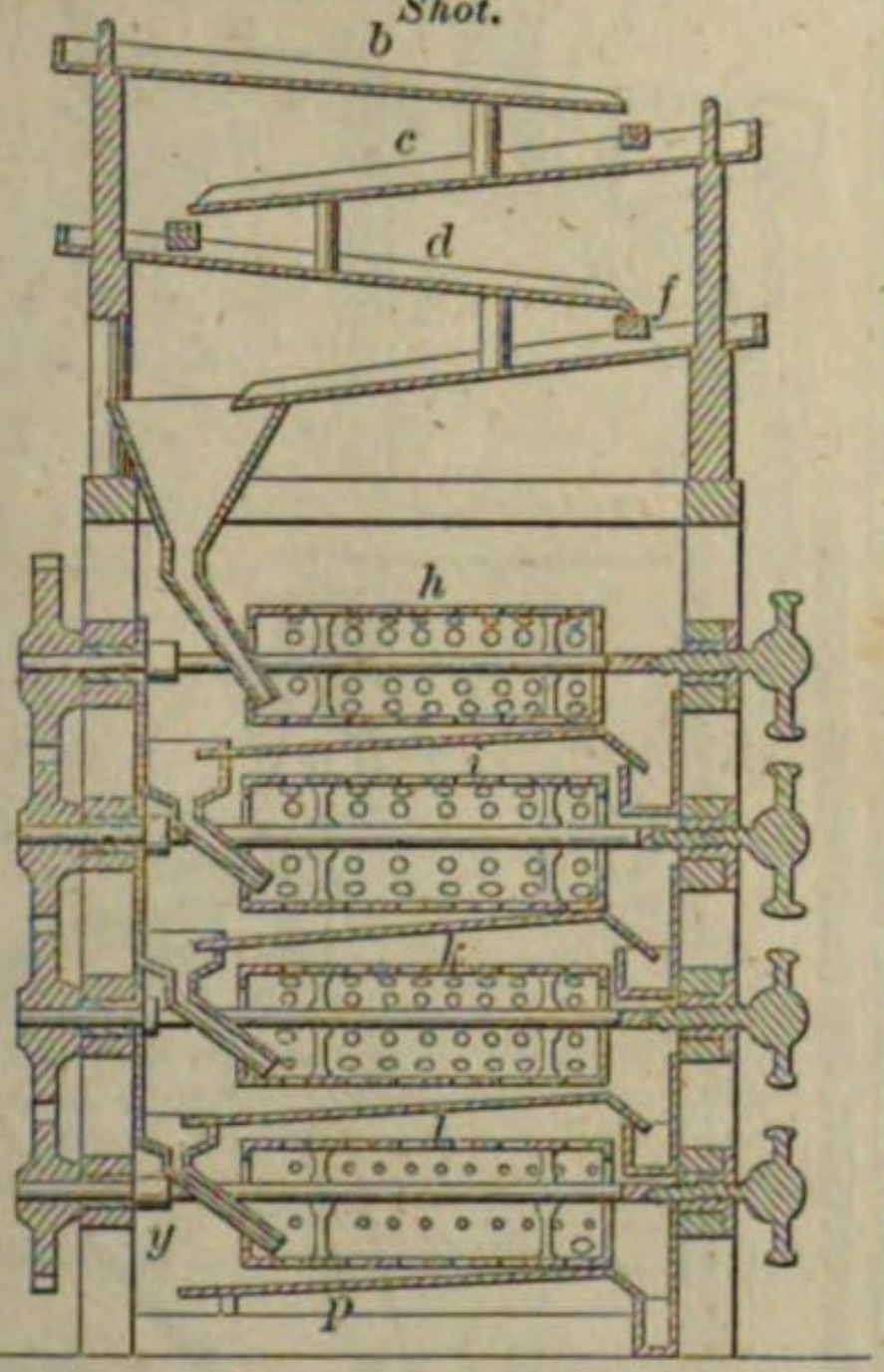
52001—Manderson & Favinger—*For Removing Cargoes of Vessels.*



52002—J. H. Parker—*Springs for Trusses.*

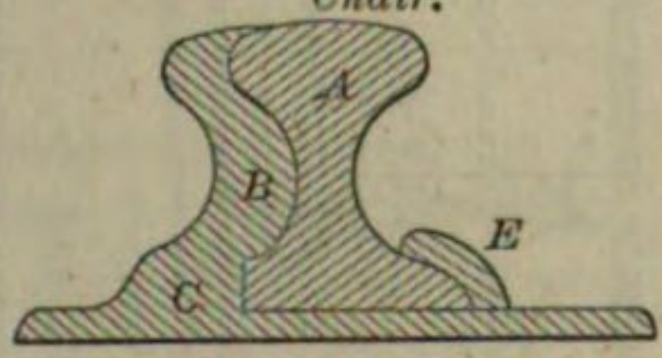


52003—W. A. Shaw—*For Separating Shot.*

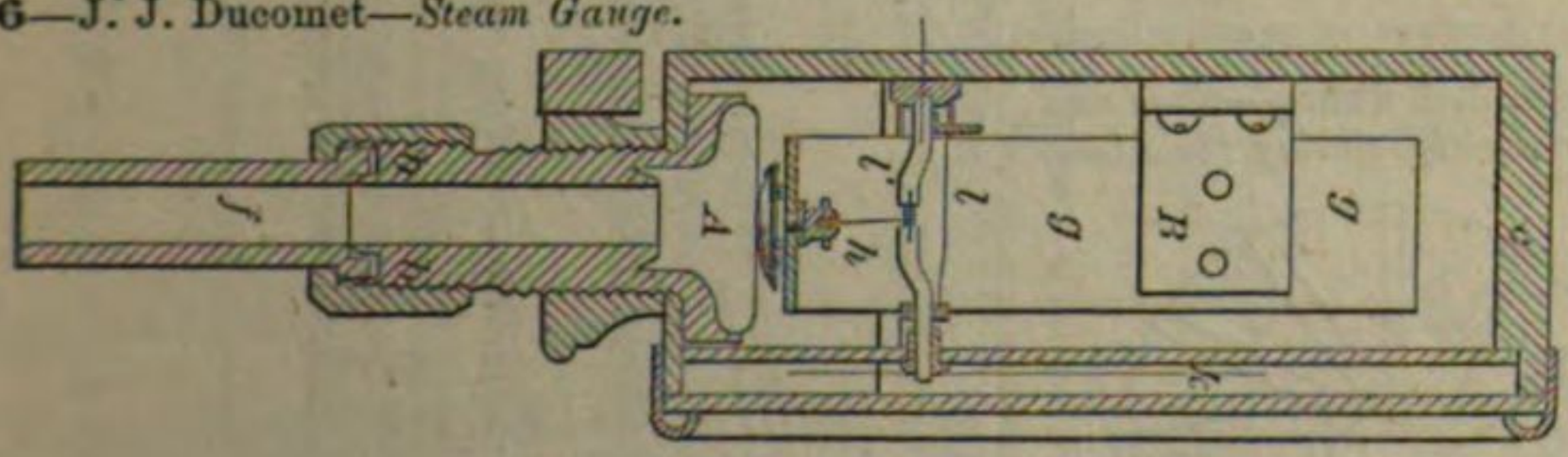


52004—J. Sherman—*Shingle.*

52005—J. W. Sutherland—*Railroad Chair.*

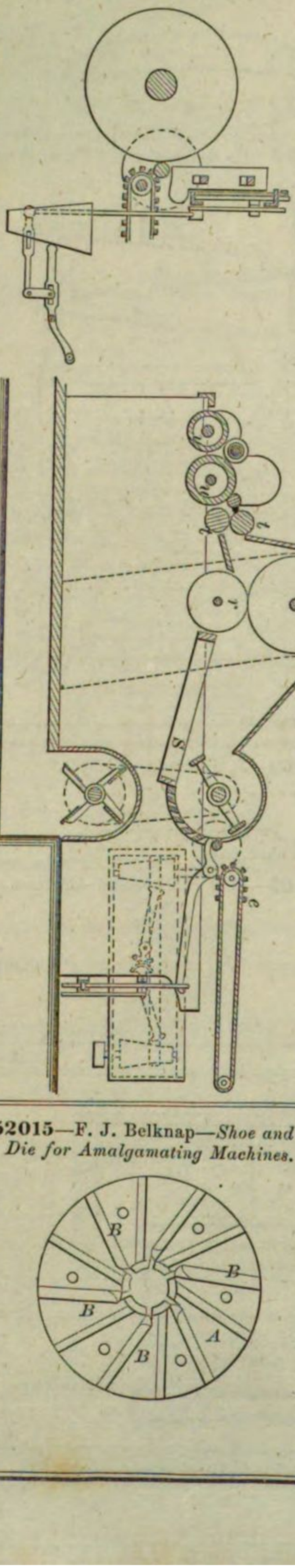


52006—J. J. Ducomet—*Steam Gauge.*

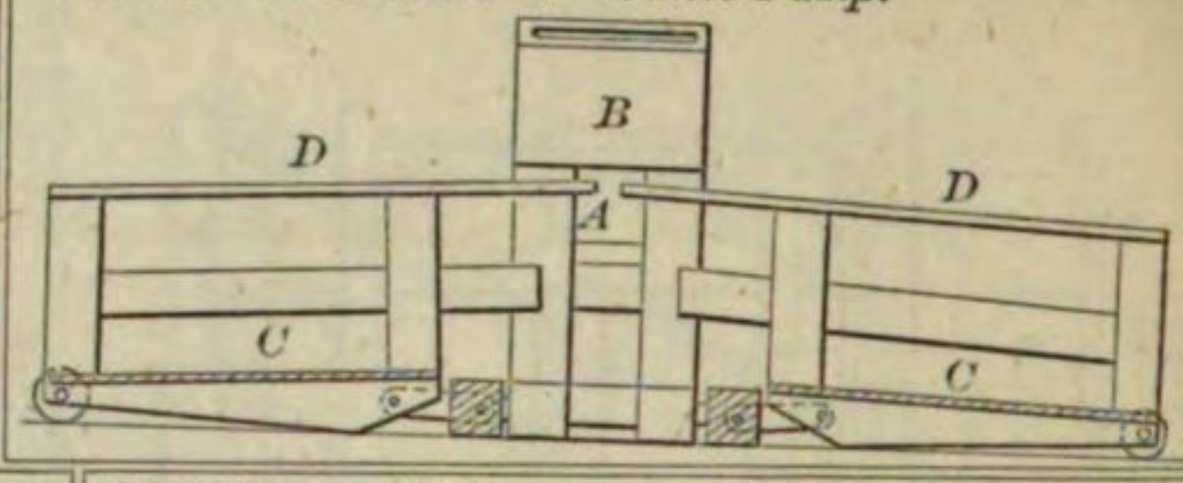


52007—Krans & Szigethy—*Cigarette Machine.*

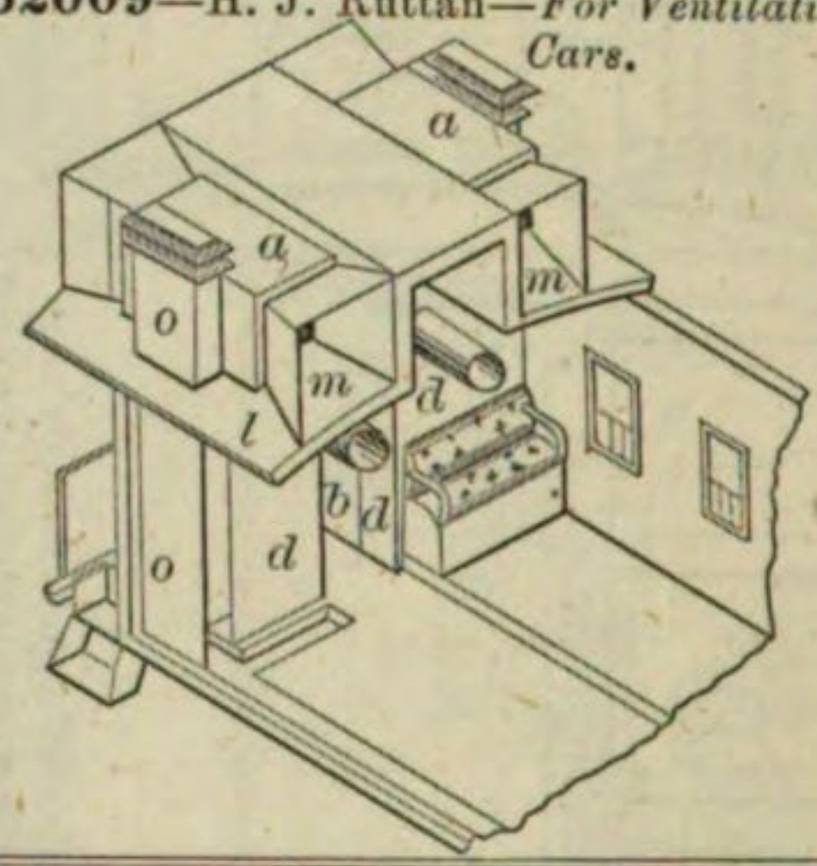
52008—E. Lord—*Cleaning Cotton.*



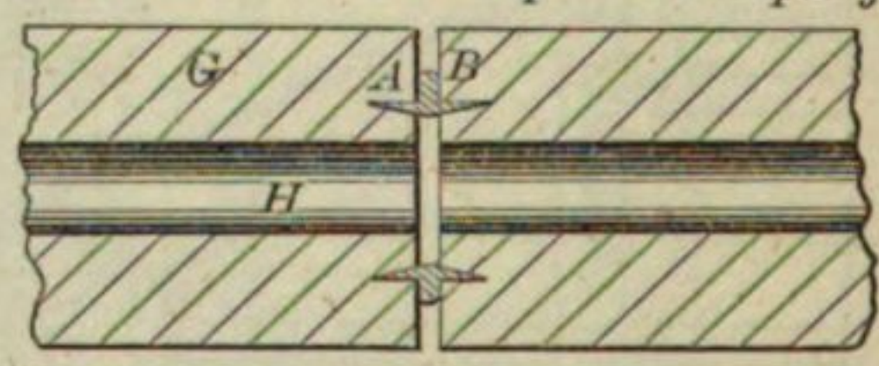
52011—J. B. Atwater—*Cattle Pump.*



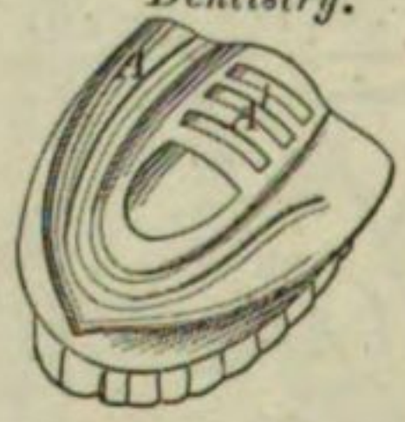
52009—H. J. Ruttan—*For Ventilating Railroad Cars.*



52010—J. Aldrich—*Aqueduct Coupling.*

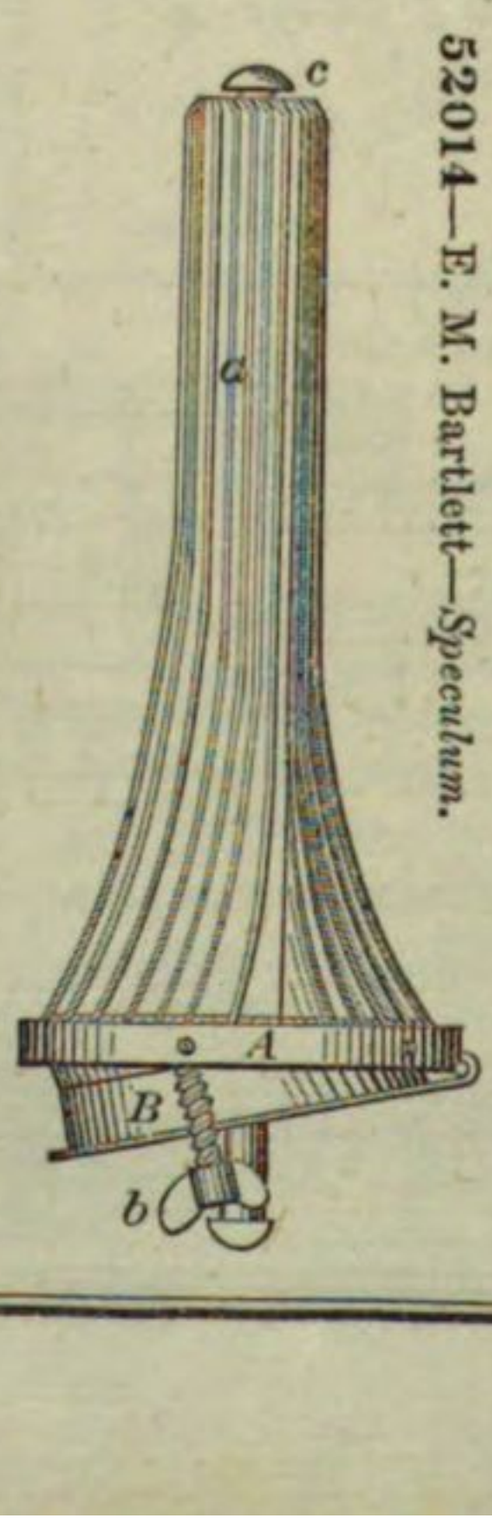


52012—W. Ballard—*Dentistry.*



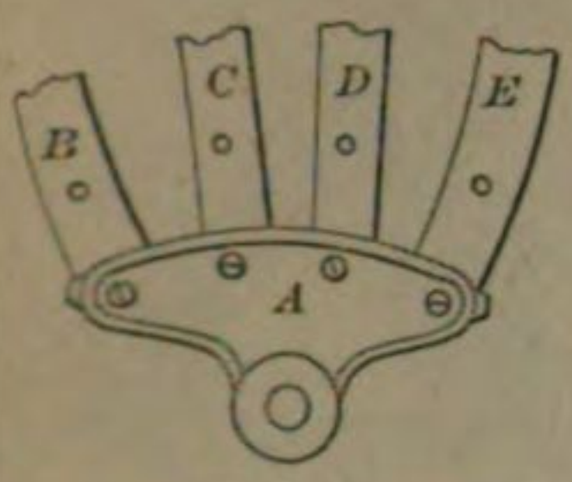
52013—E. H. Barney—*Skate.*

52014—E. M. Bartlett—*Speculum.*

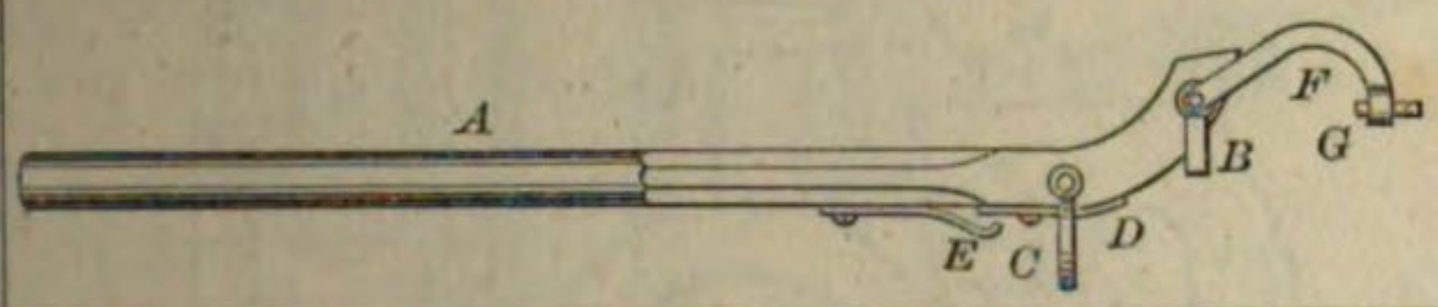


52015—F. J. Belknap—*Shoe and Die for Amalgamating Machines.*

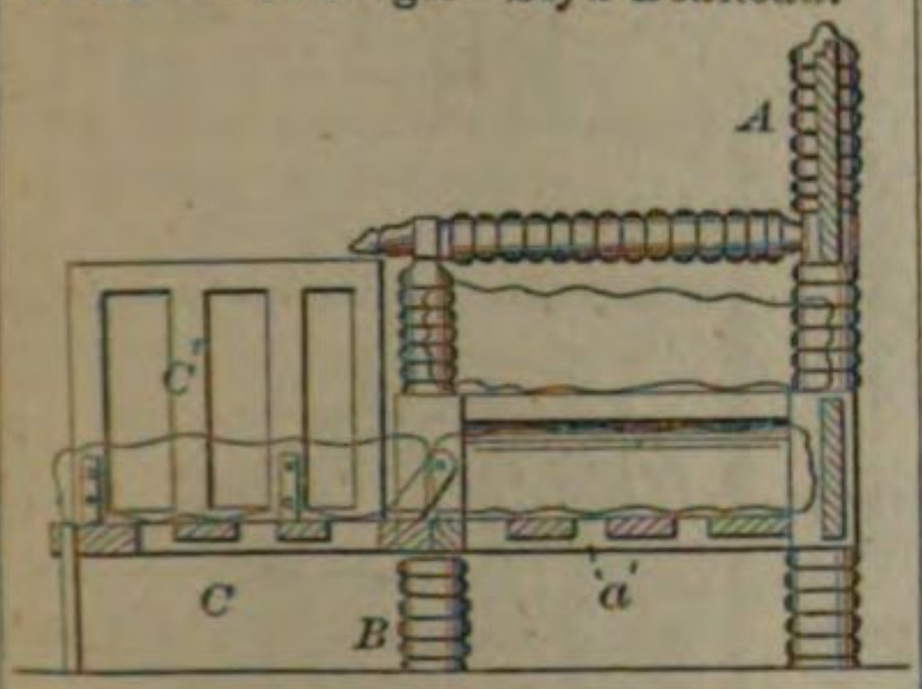
52016—H. M. Bidwell—*Bow Irons for Carriages.*



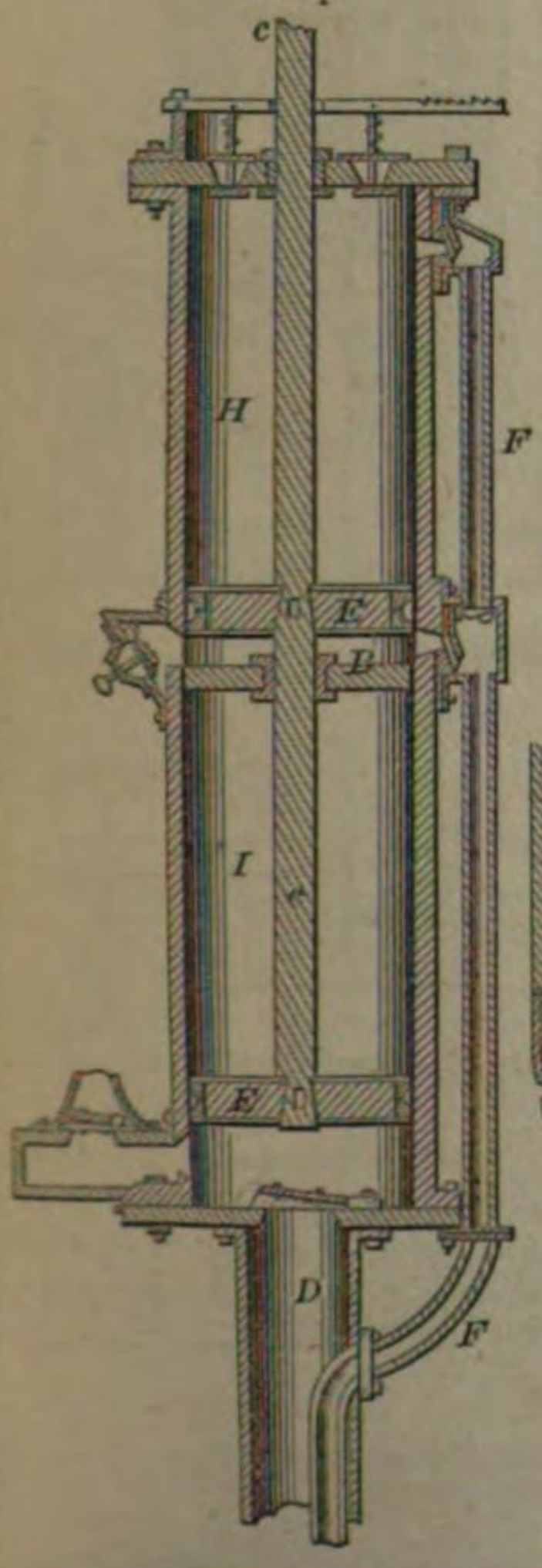
52017—M. E. Bishop—*Spike Extractor.*



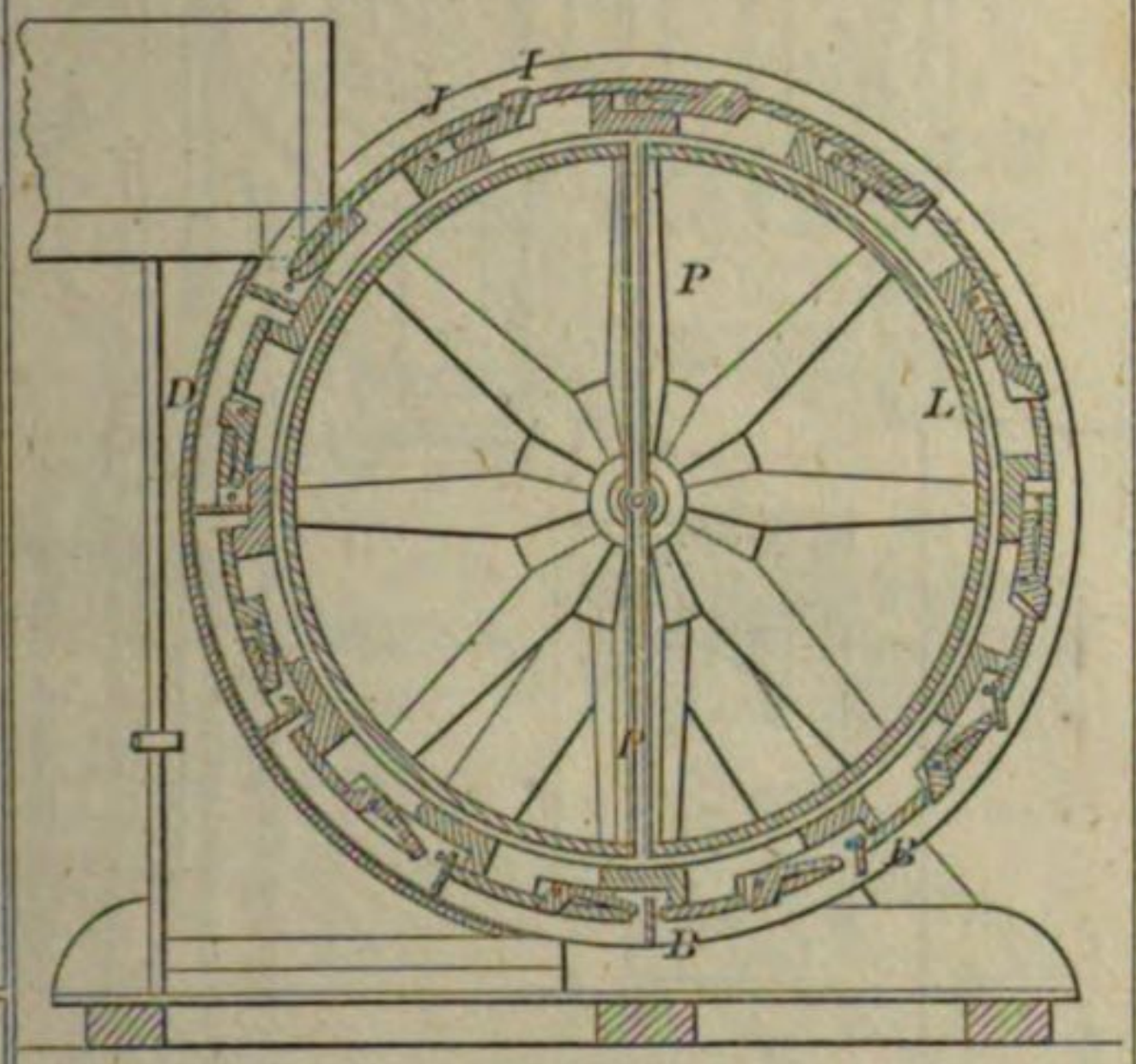
52020—F. Boeger—*Sofa Bedstead.*



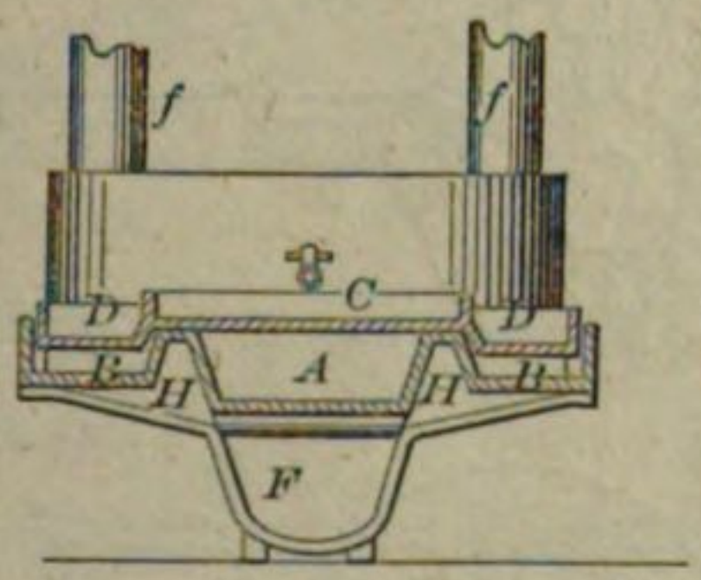
52019—J. A. Bloom—*Deep Well Pump.*



52021—N. Bowker—*Water Wheel.*

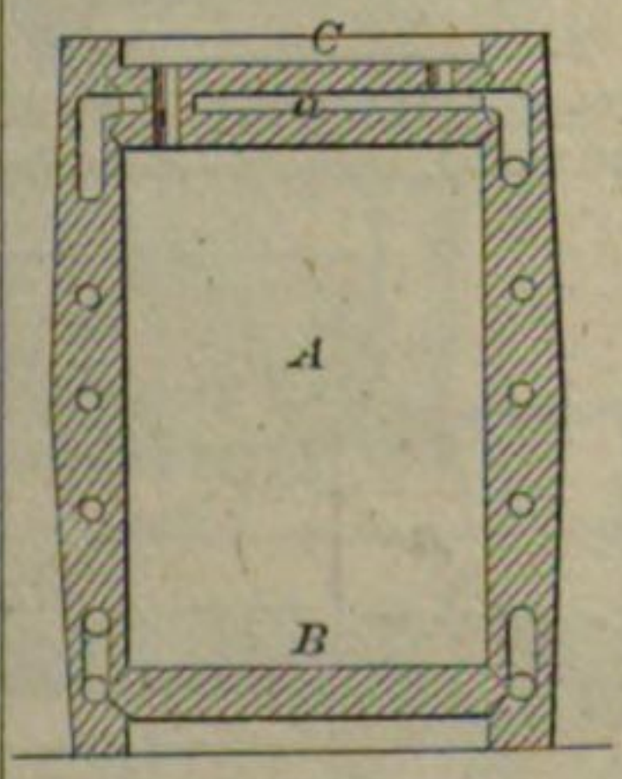


52022—A. L. Brink—*Sugar Evaporator.*

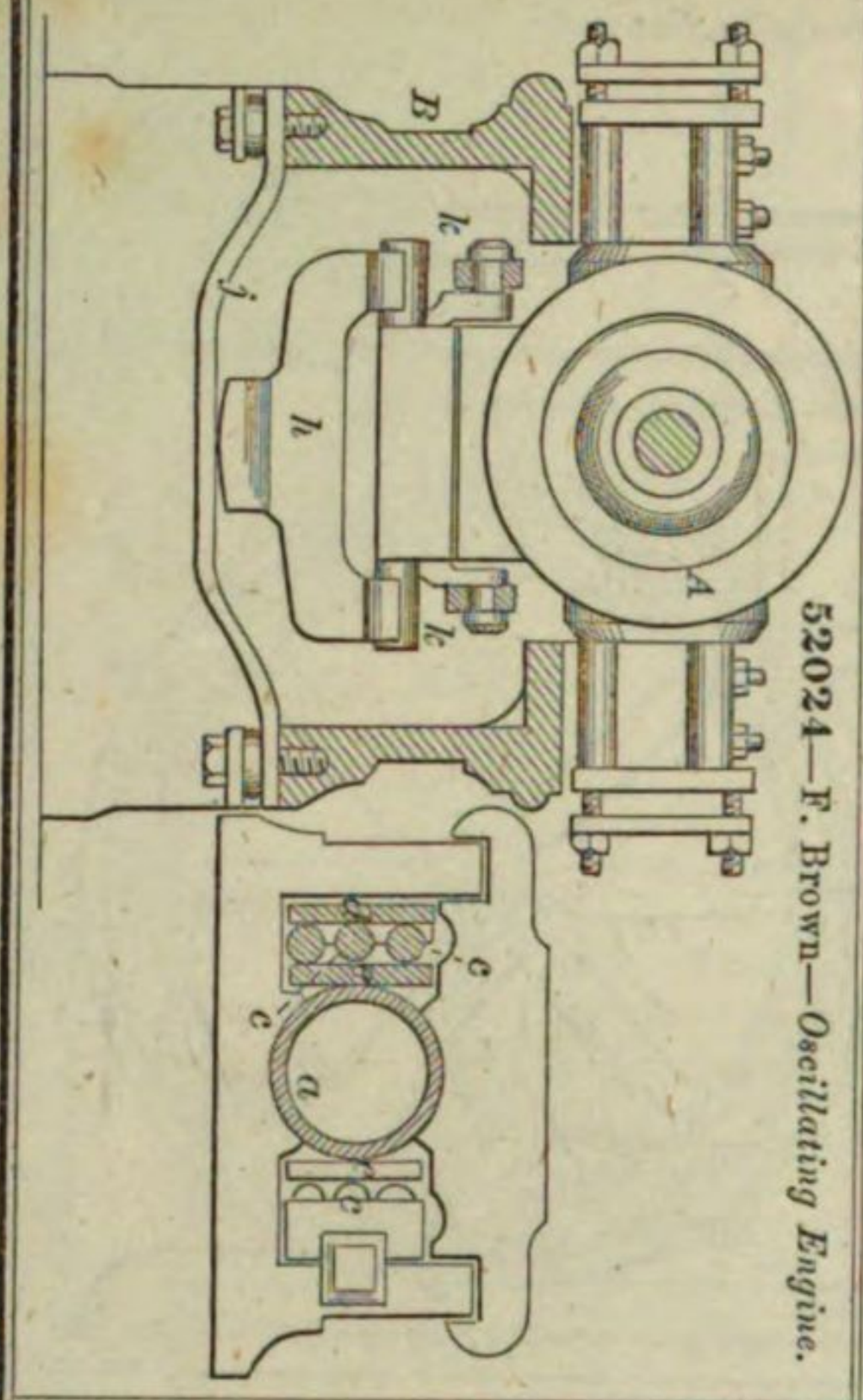


52018—C. D. Blinn—*Window Shade.*

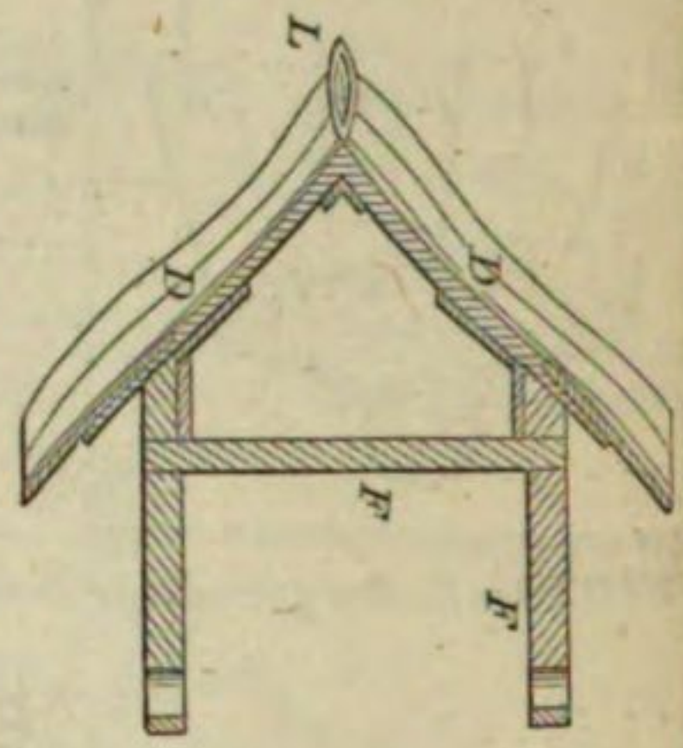
52023—J. Brakeley—*Petroleum Vessel.*



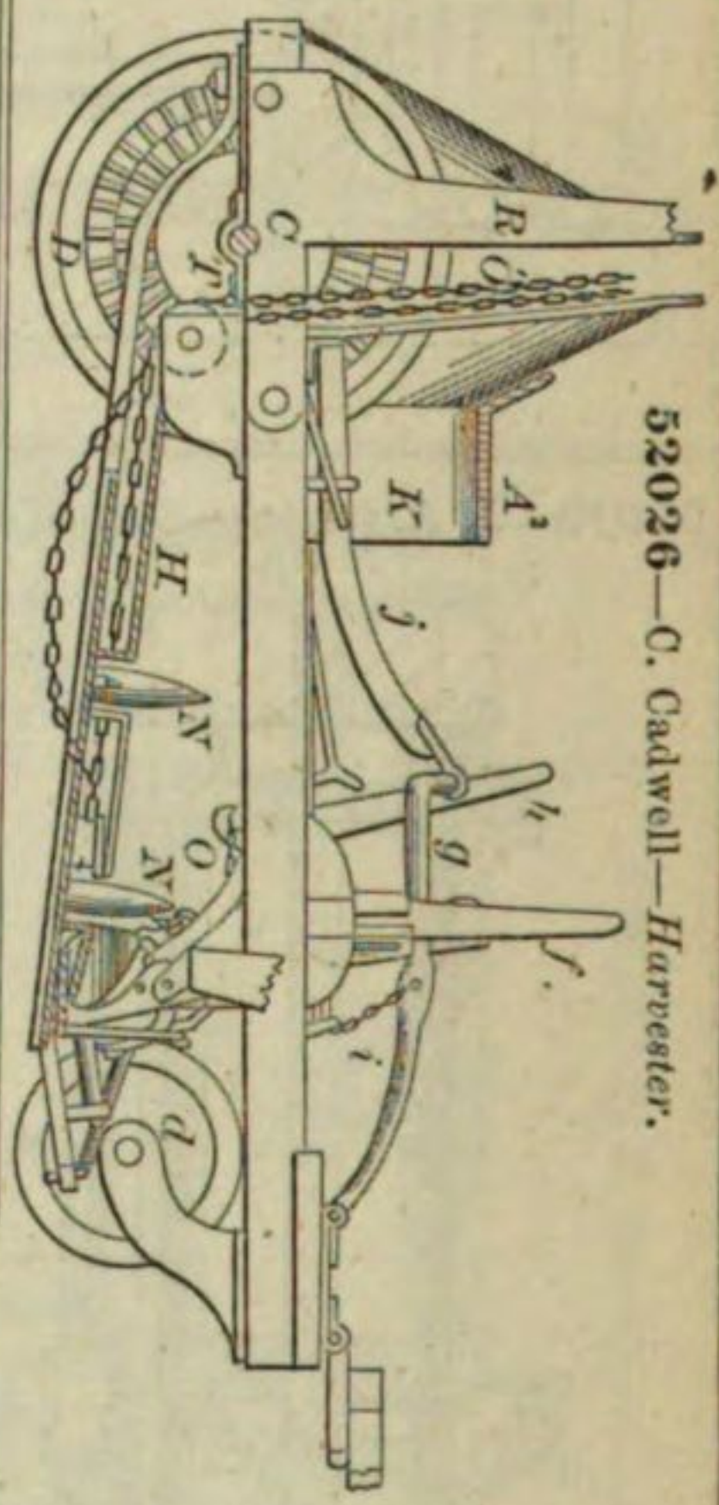
52024—F. Brown—*Oscillating Engine.*



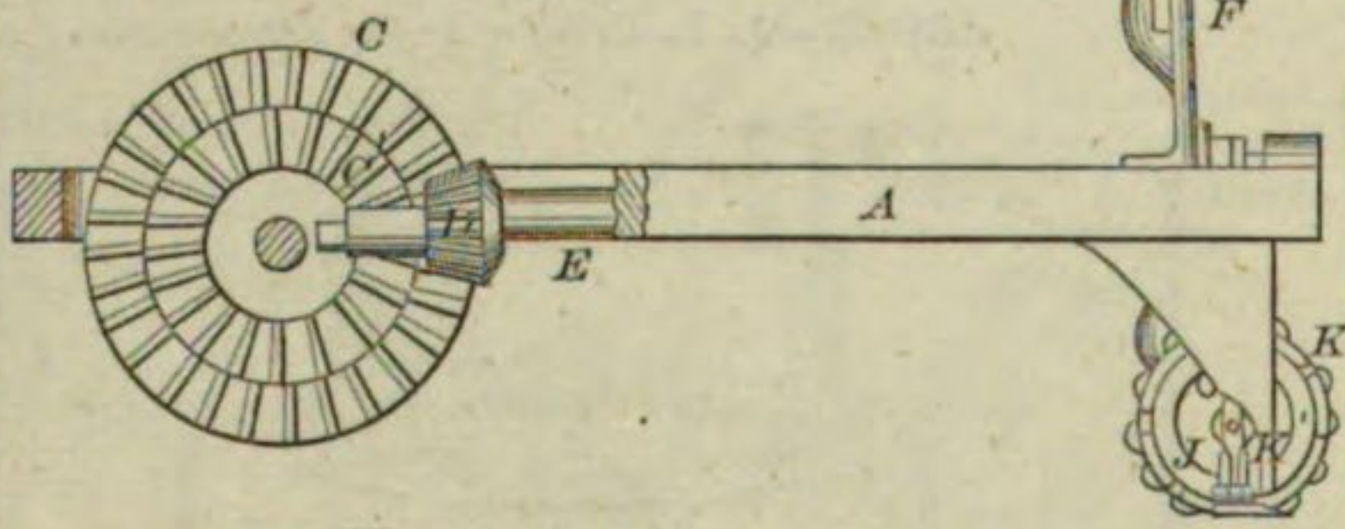
52028—J. C. Carncross—*Railroad Snow Plow.*

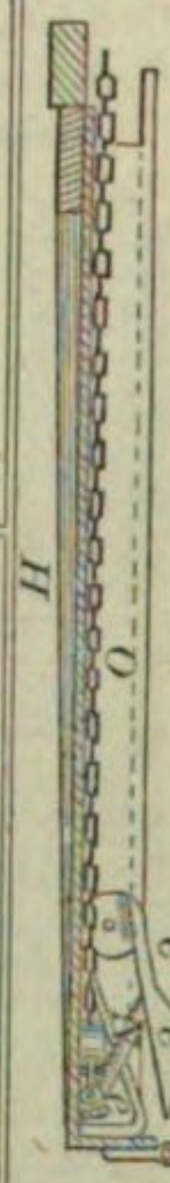


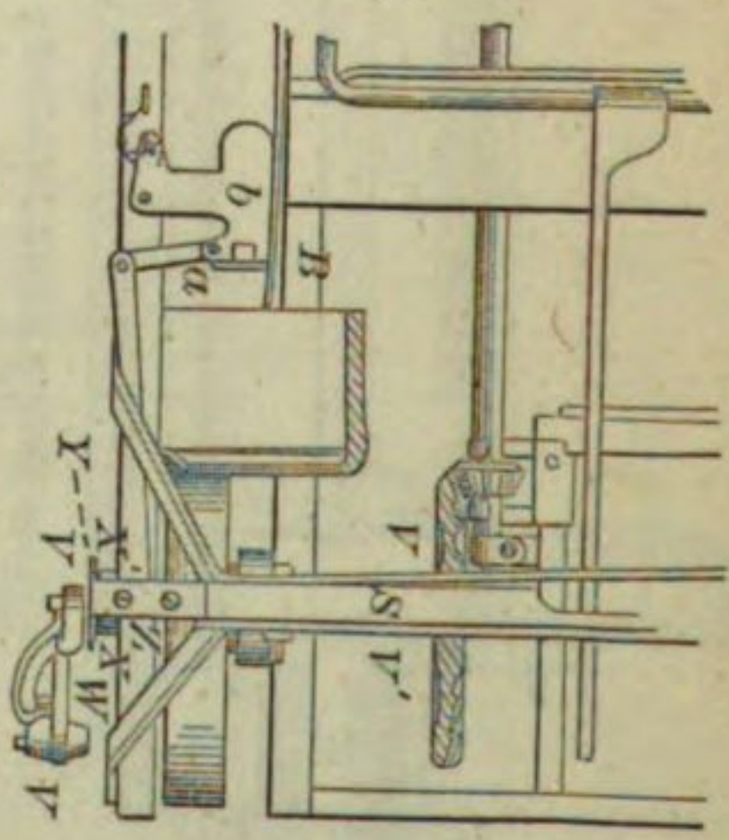
52026—C. Cadwell—*Harvester.*



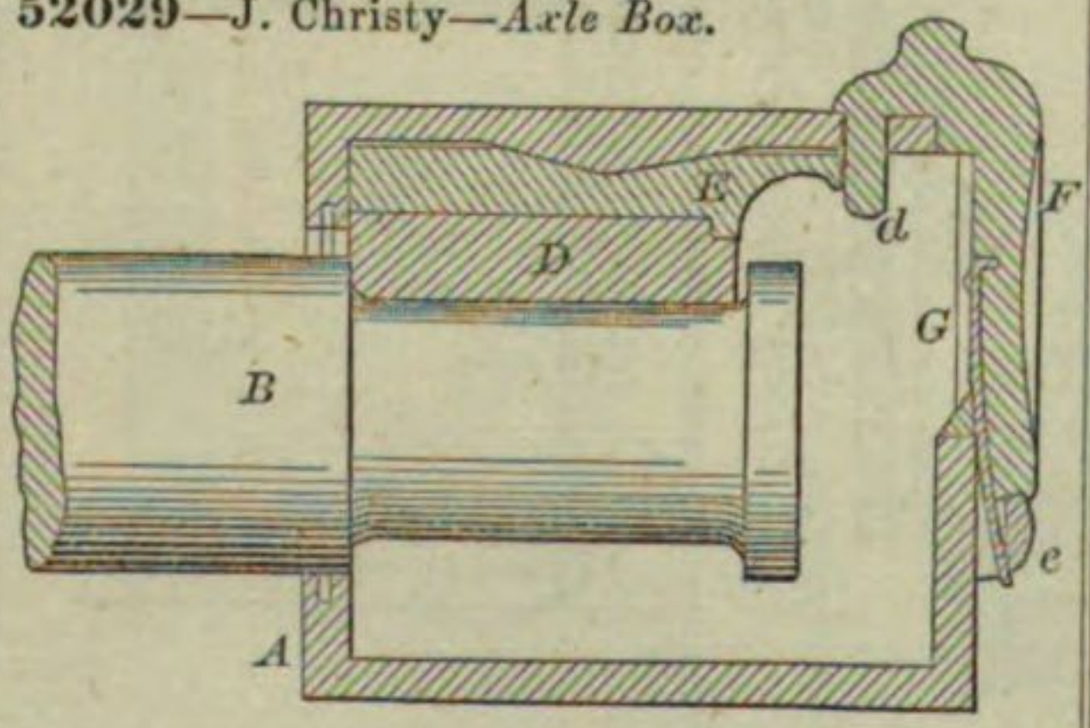
52027—C. Cadwell—*Harvester.*



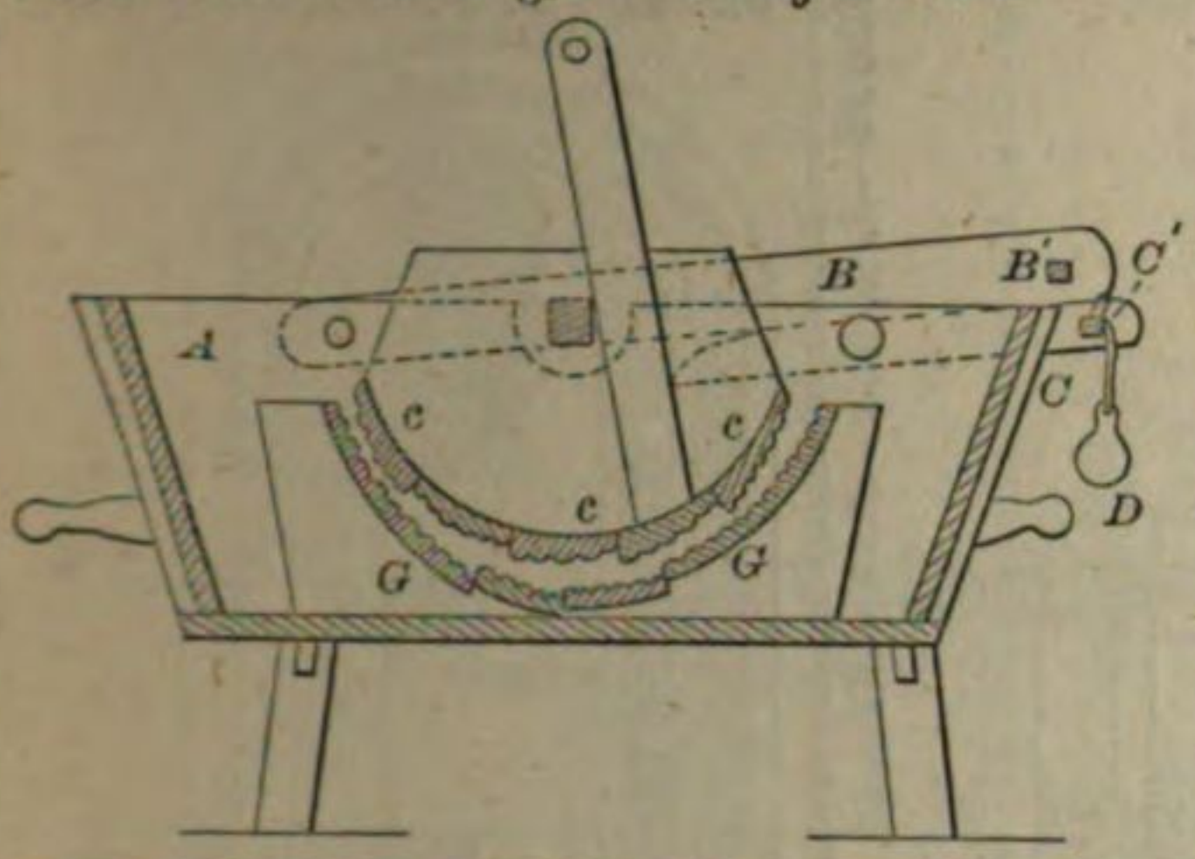




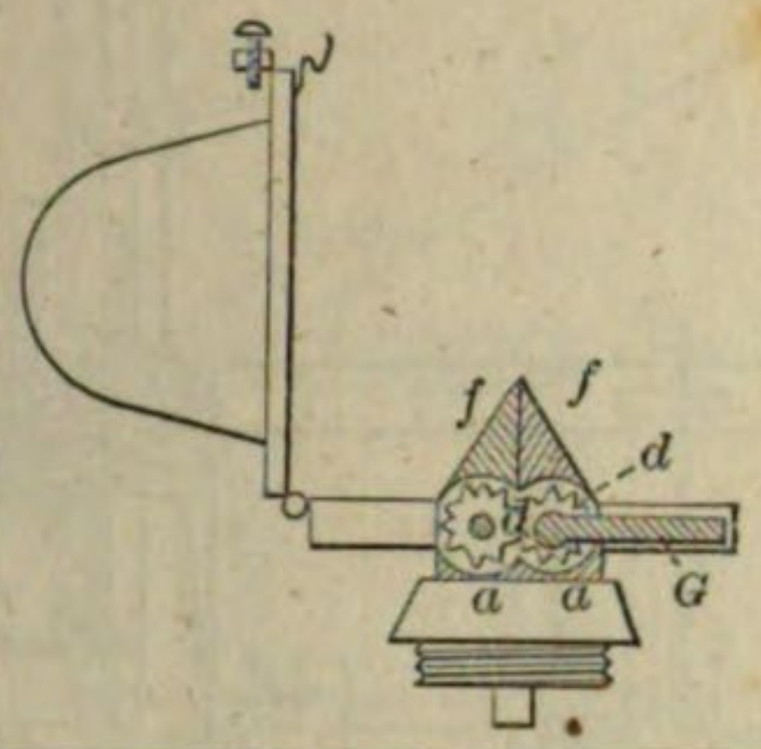
52029—J. Christy—*Axle Box.*



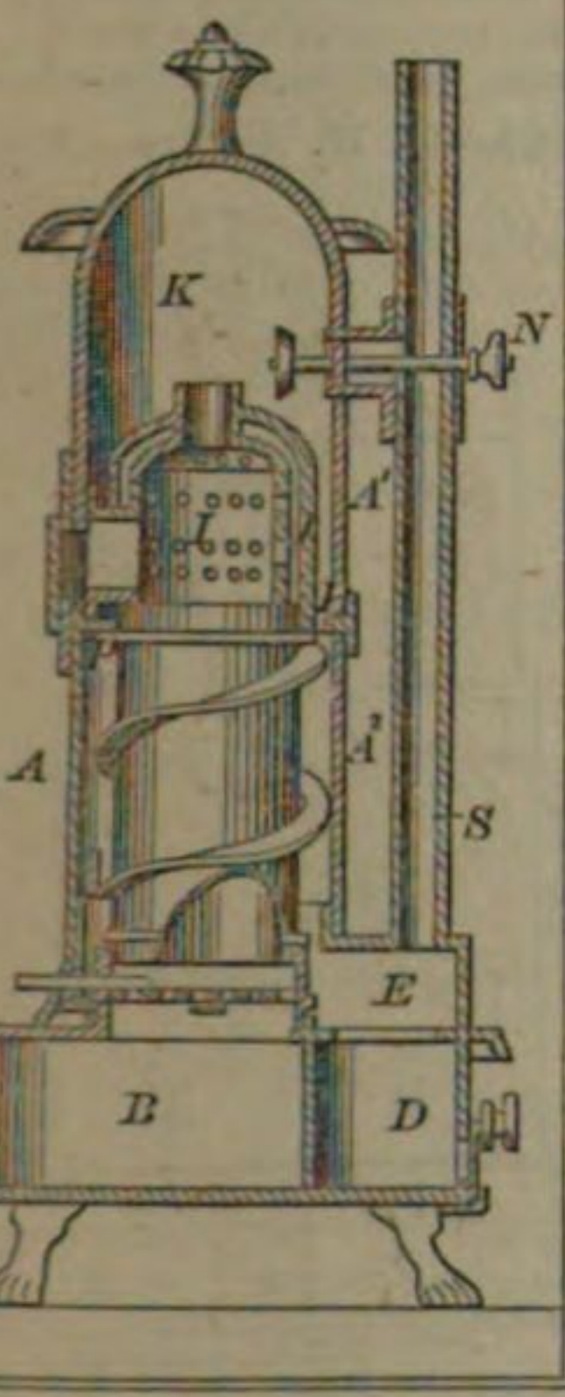
52030—N. B. Clabaugh—*Washing Machine.*



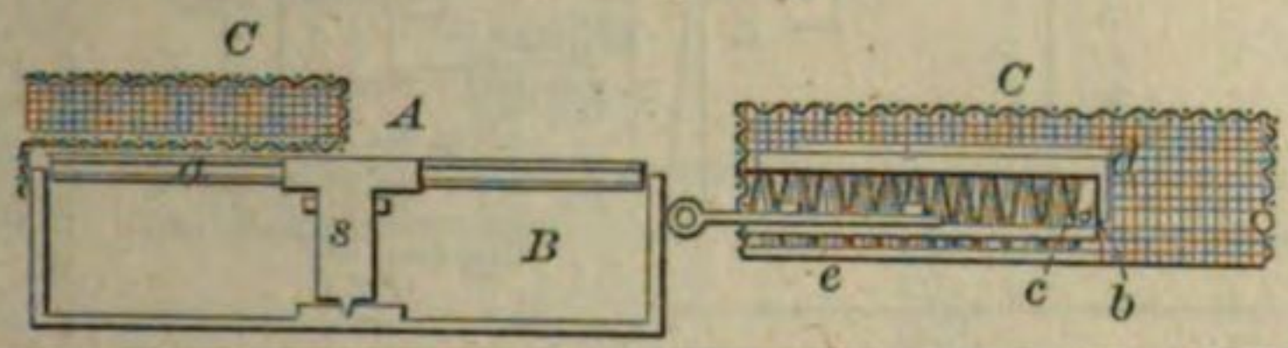
52031—I. Clark—*Lamp.*



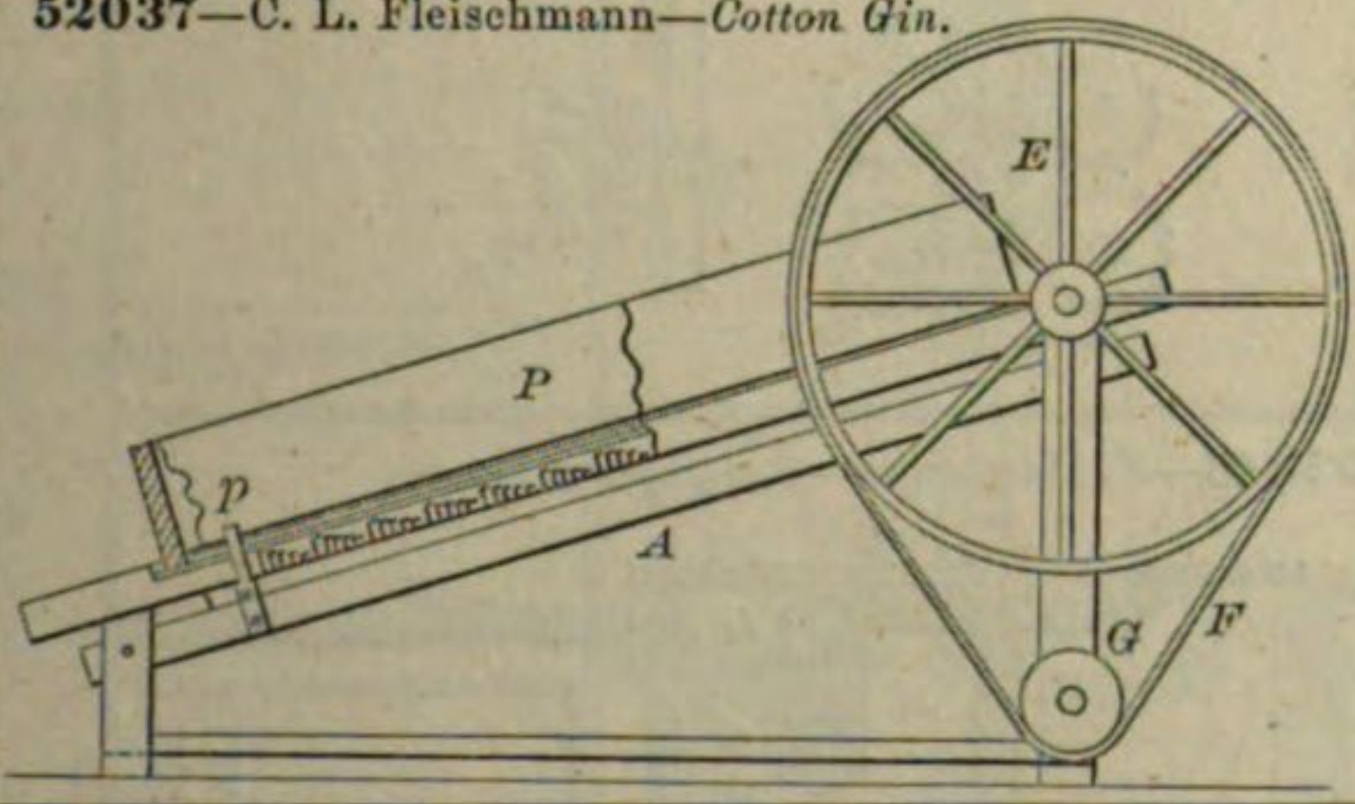
52033—J. D. Conner—*Coal Stove.*



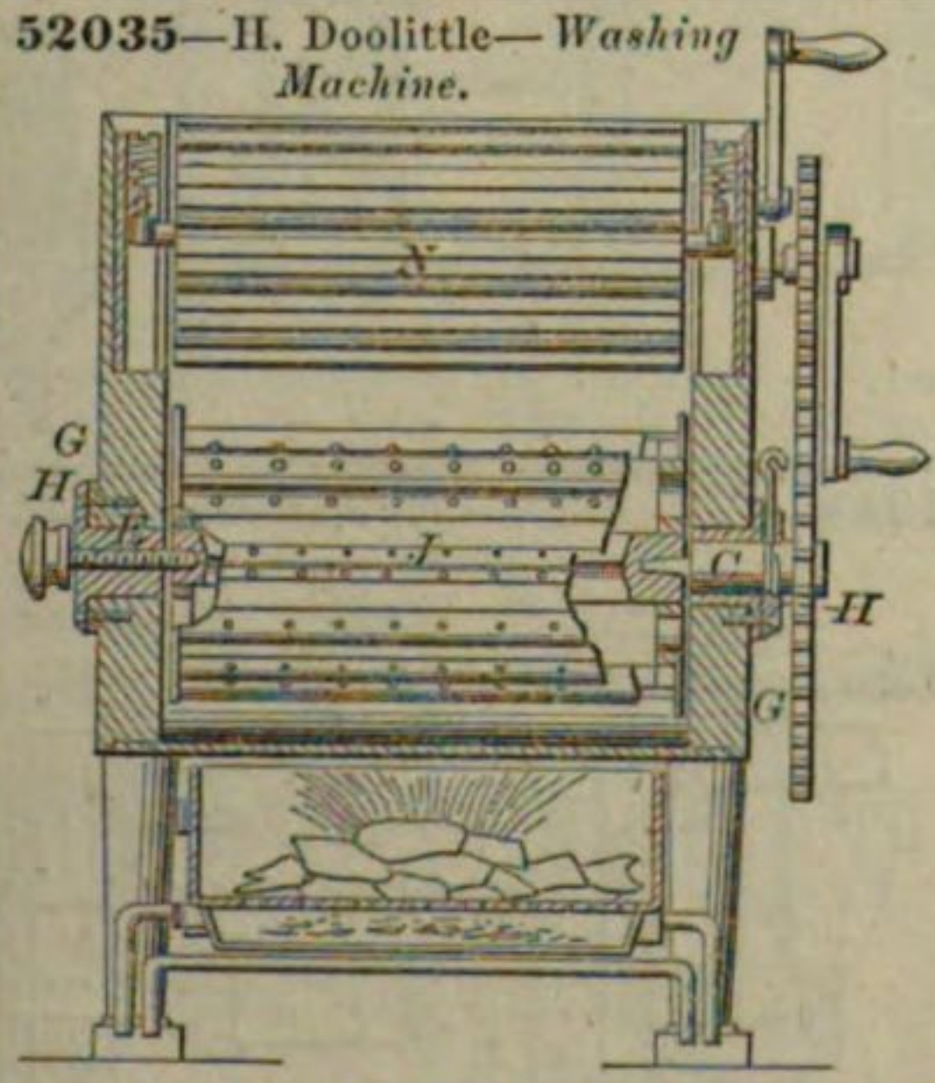
52034—E. N. Cummings—*Fly Trap.*



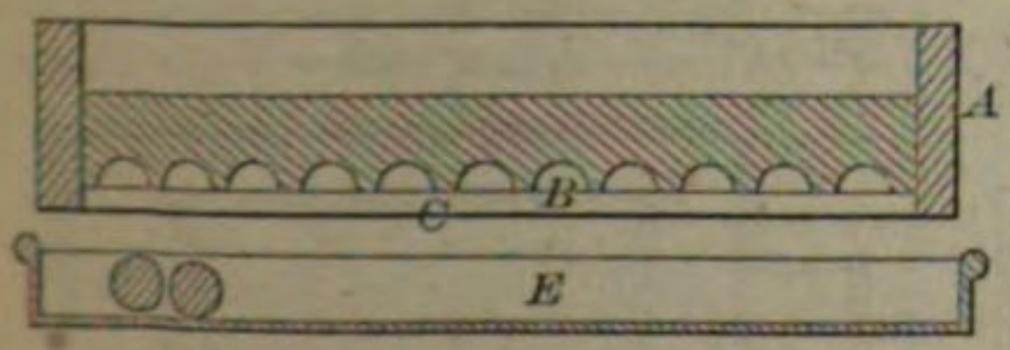
52037—C. L. Fleischmann—*Cotton Gin.*



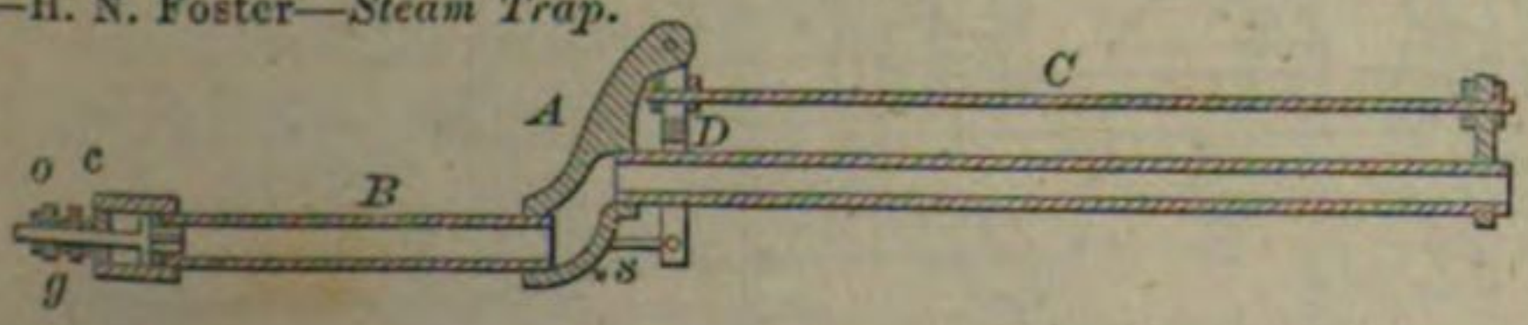
52035—H. Doolittle—*Washing Machine.*



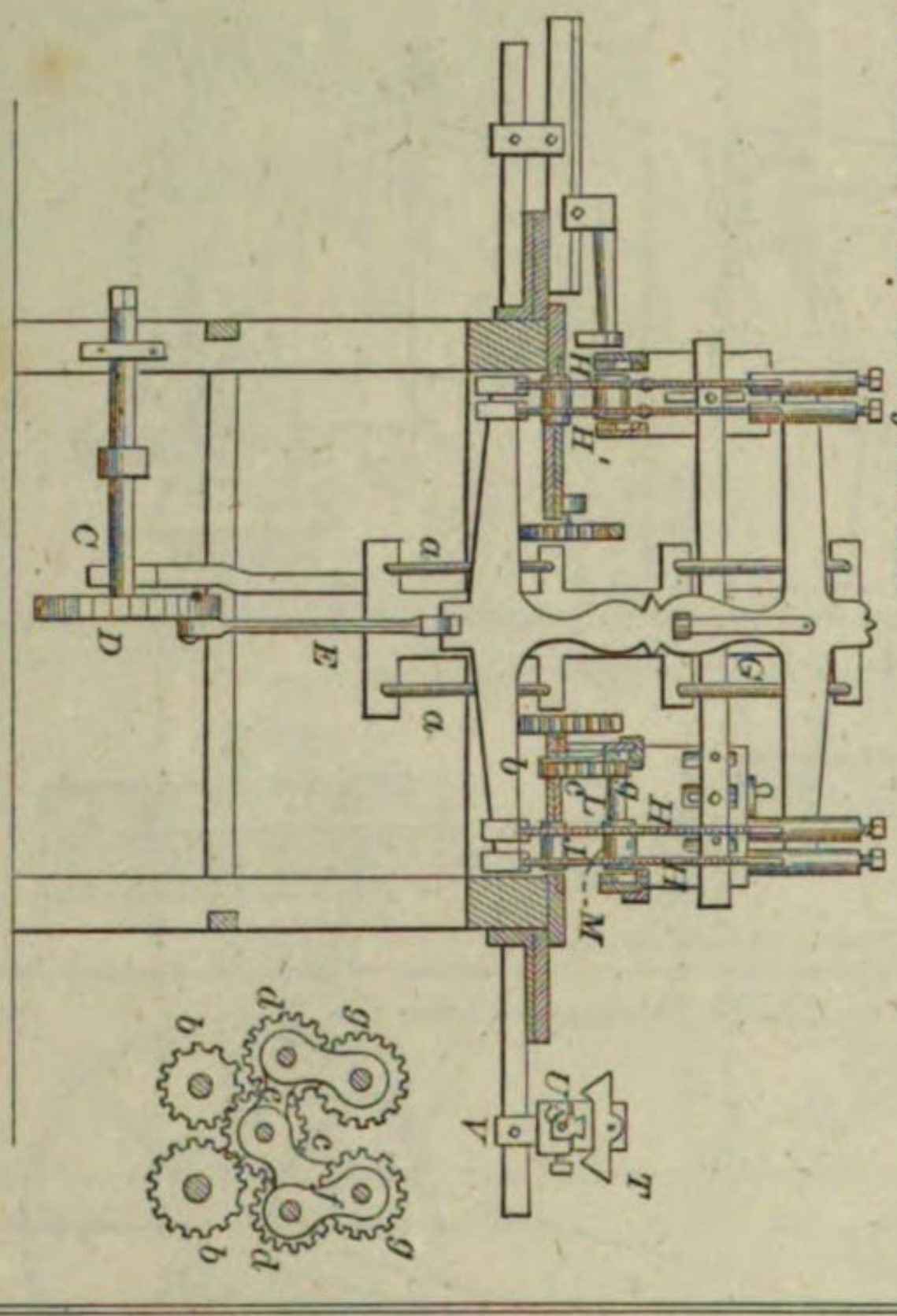
52036—A. Exton—*For Making Scroll Biscuit.*



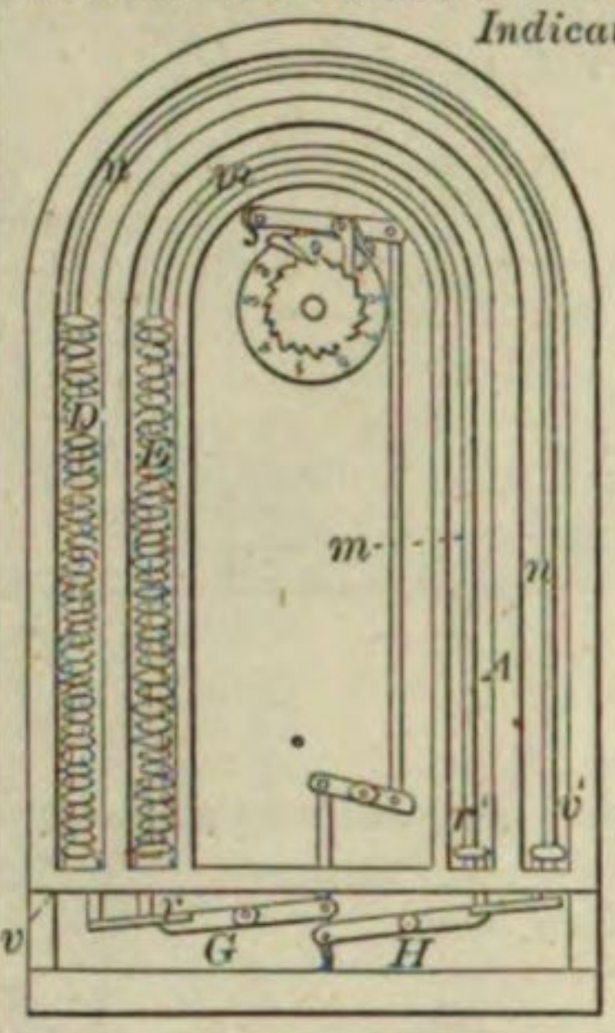
52038—H. N. Foster—*Steam Trap.*



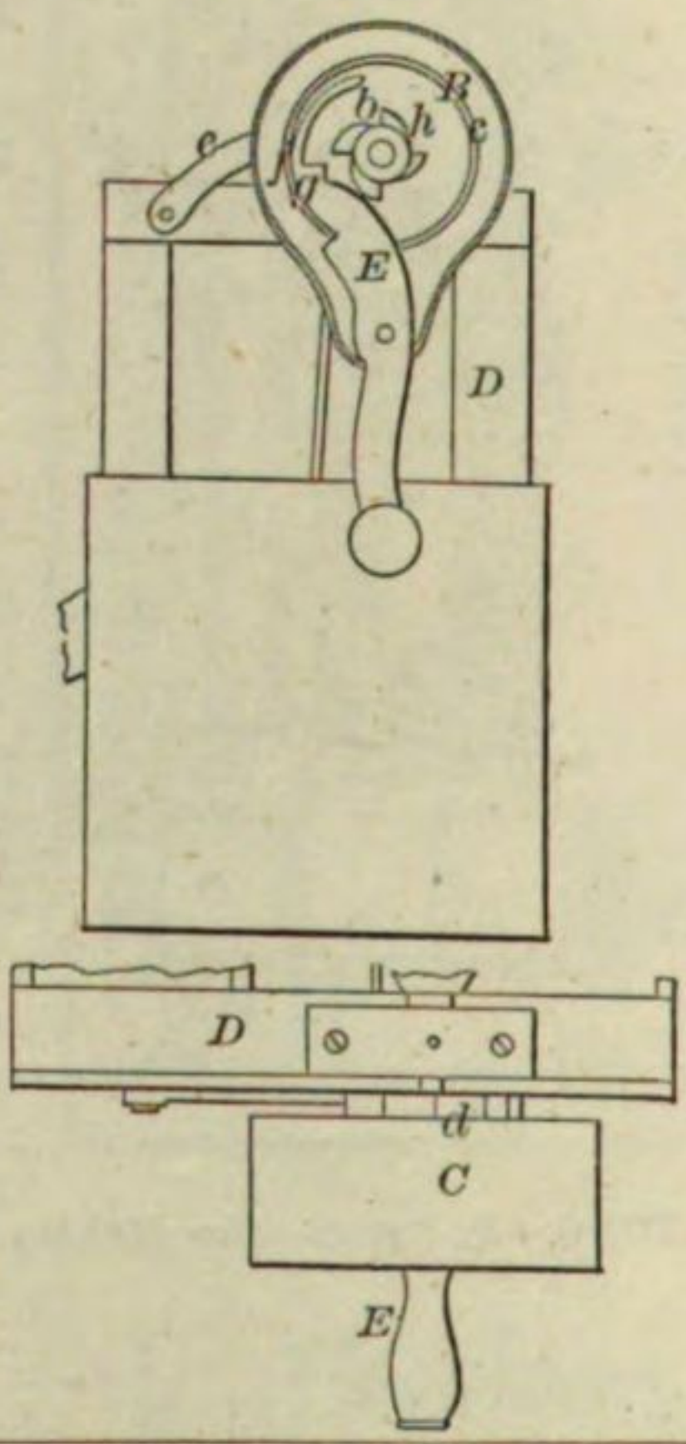
52039—J. A. Geer—*Sewing Machine.*



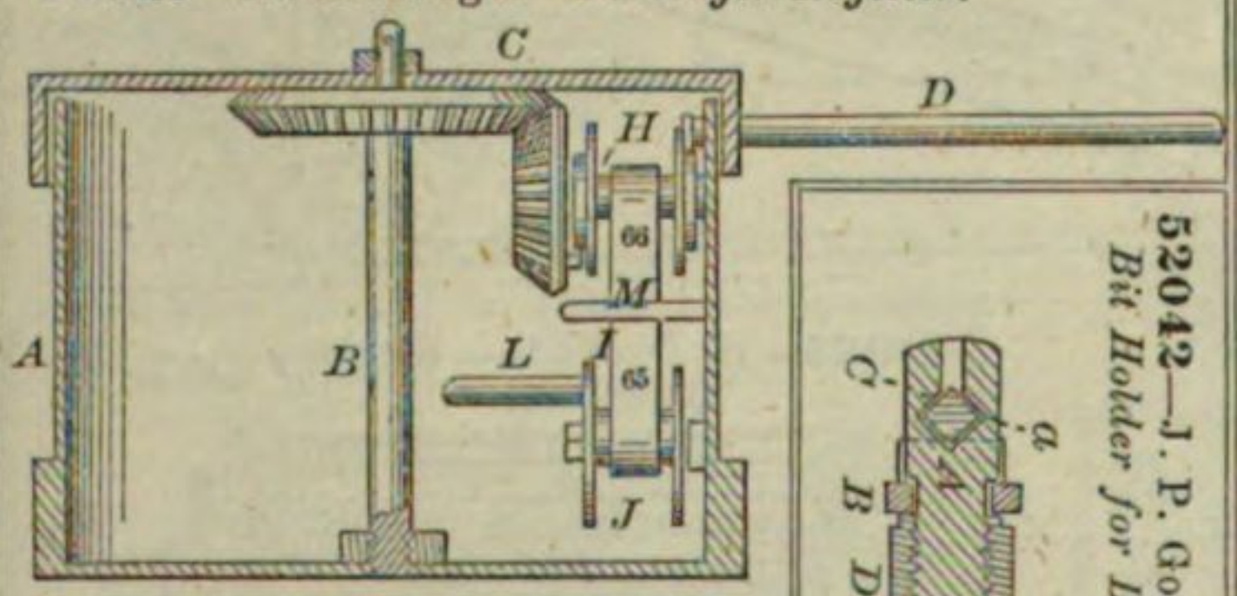
52041—M. Gootmann—*Billiard Indicator.*



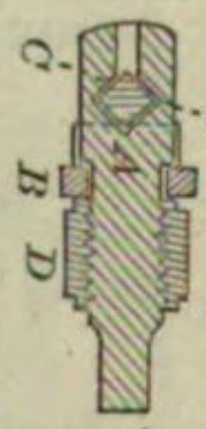
52045—G. W. Holmes—*Windlass.*



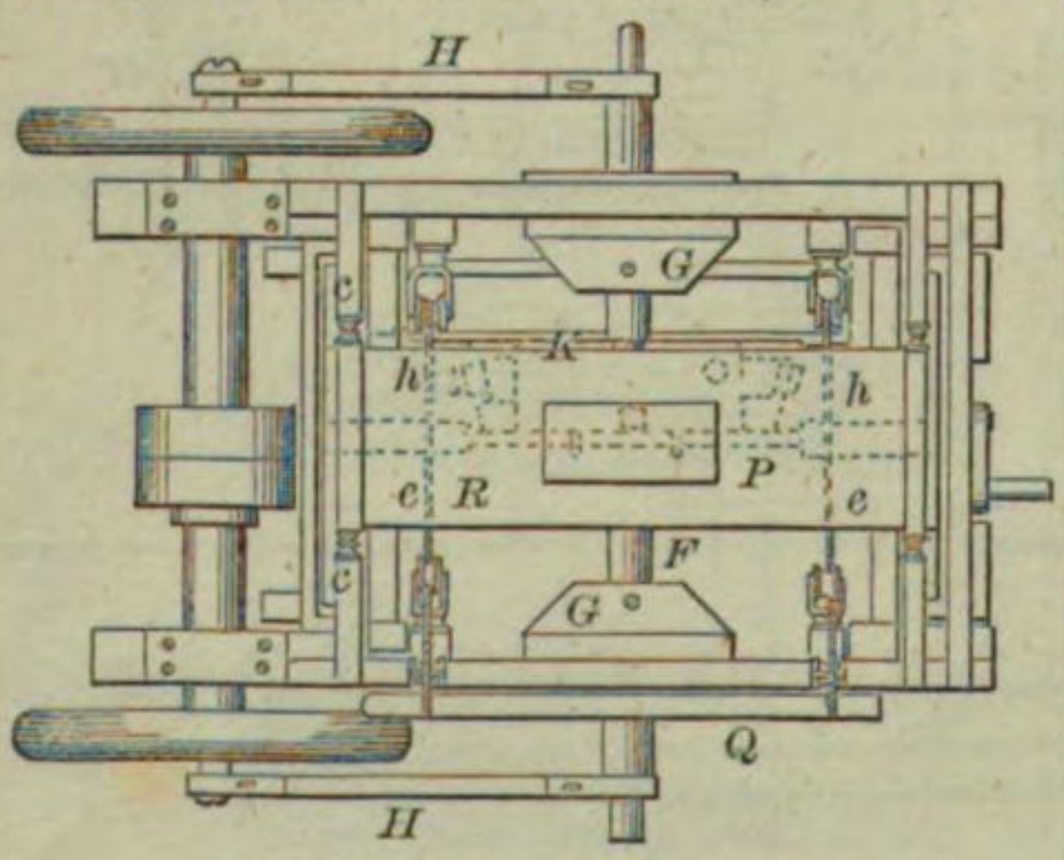
52043—E. Hambuger—*Passenger Register.*



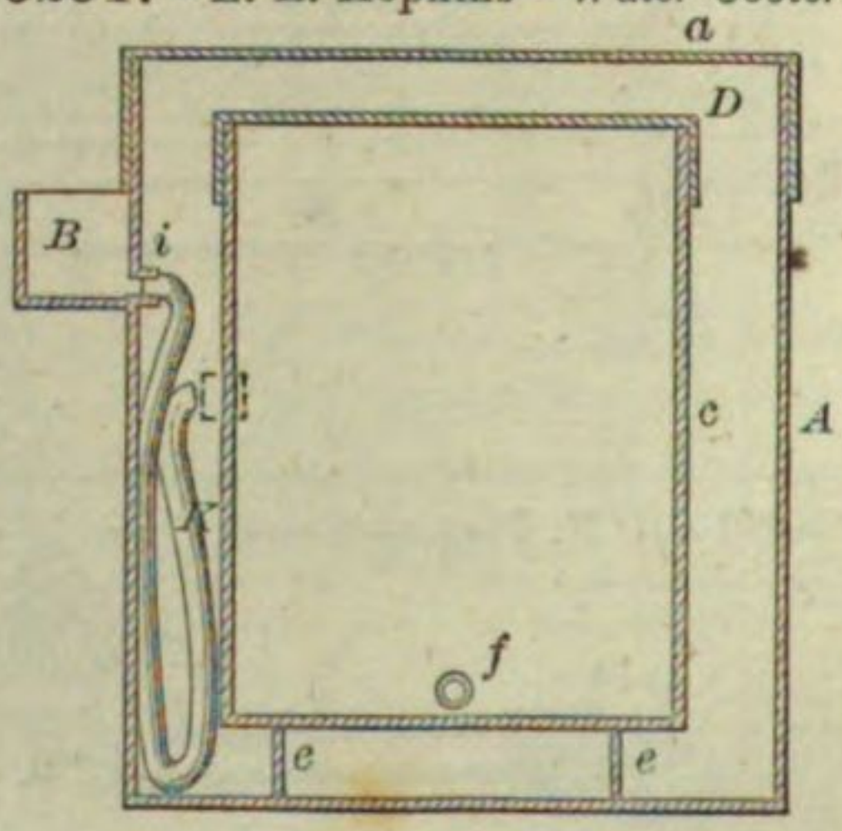
52042—J. P. Gordon—*Bit Holder for Braces.*



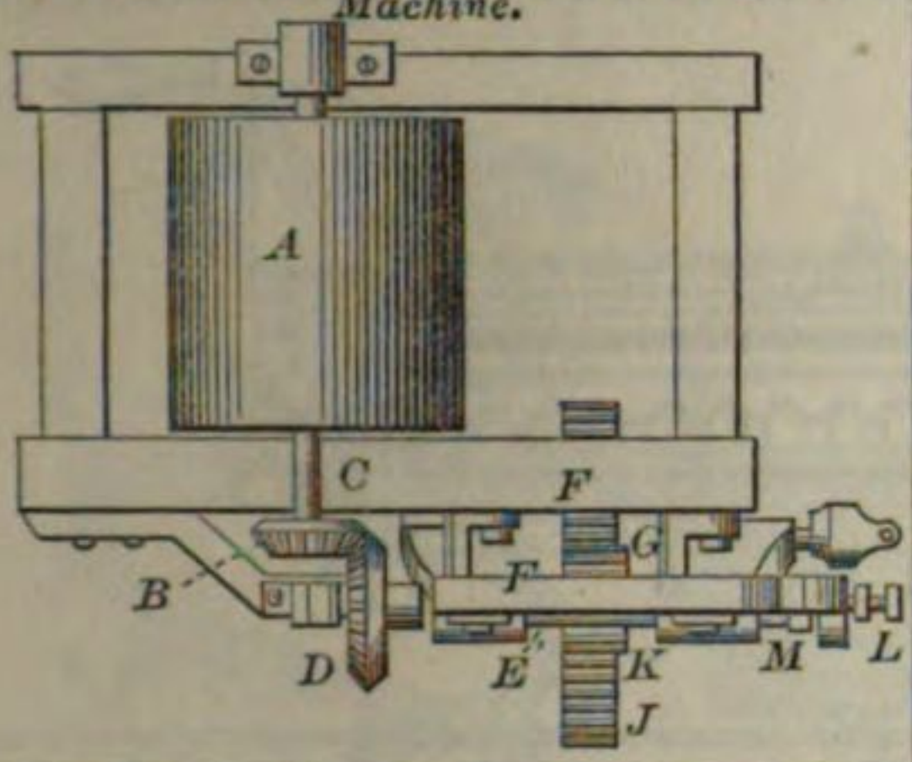
52044—F. Hoffman—*For Polishing Wood.*



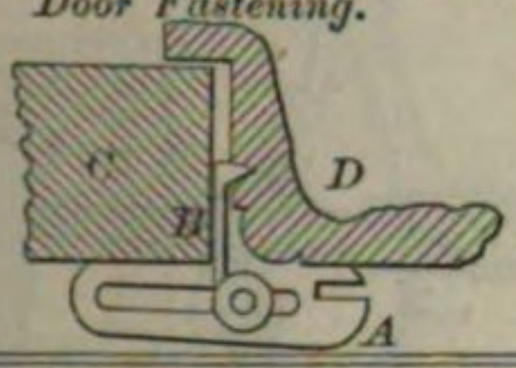
52047—E. E. Hopkins—*Water Cooler.*



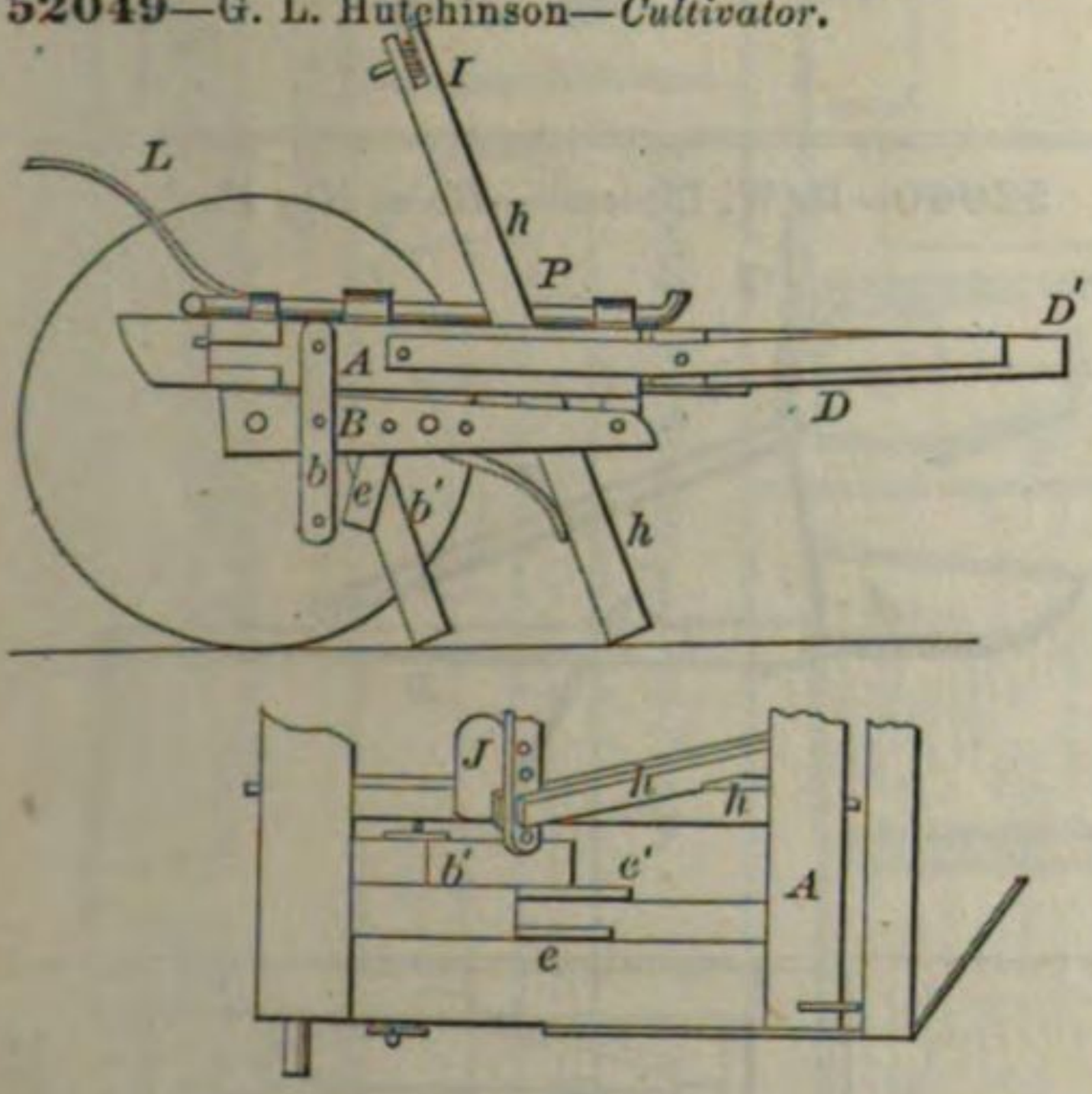
52048—L. B. Hubbell—*Threshing Machine.*



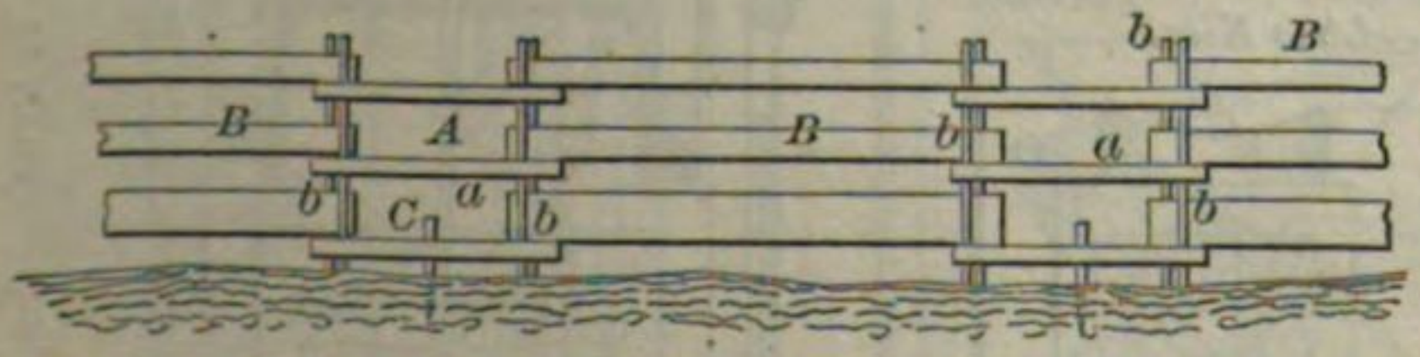
52050—F. A. & A. J. Illingworth—*Door Fastening.*



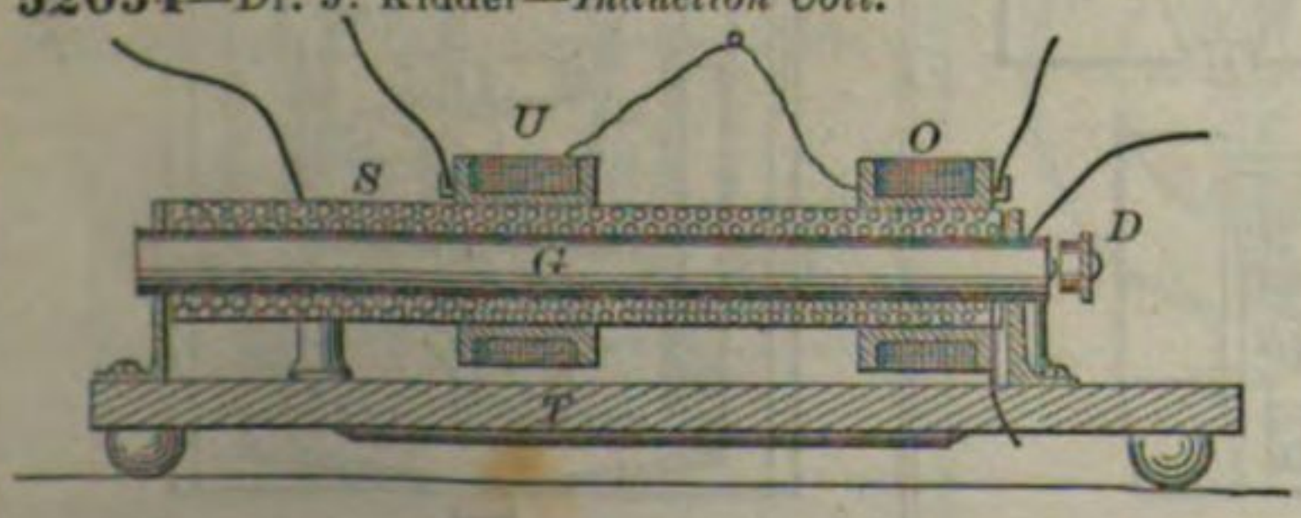
52049—G. L. Hutchinson—*Cultivator.*



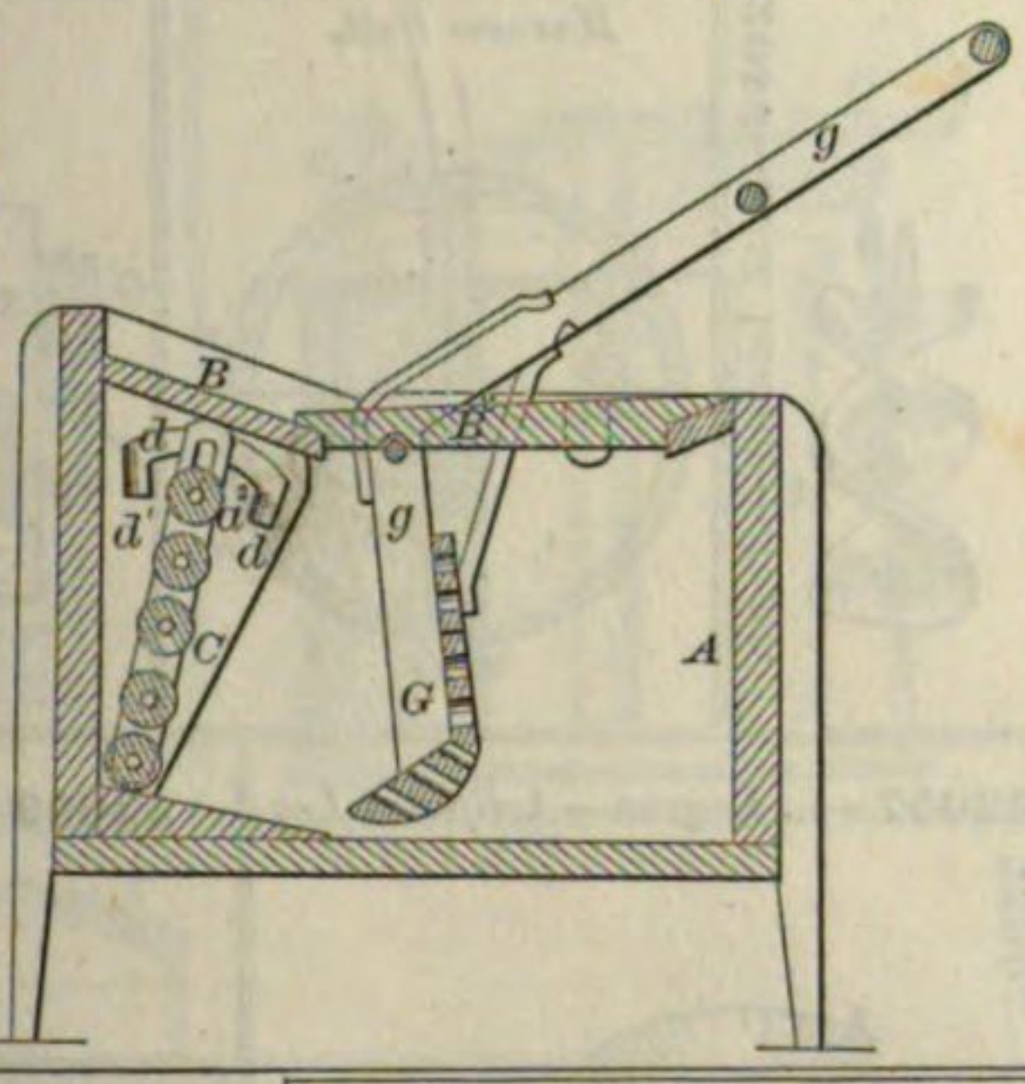
52051—A. Jackson—*Fence.*



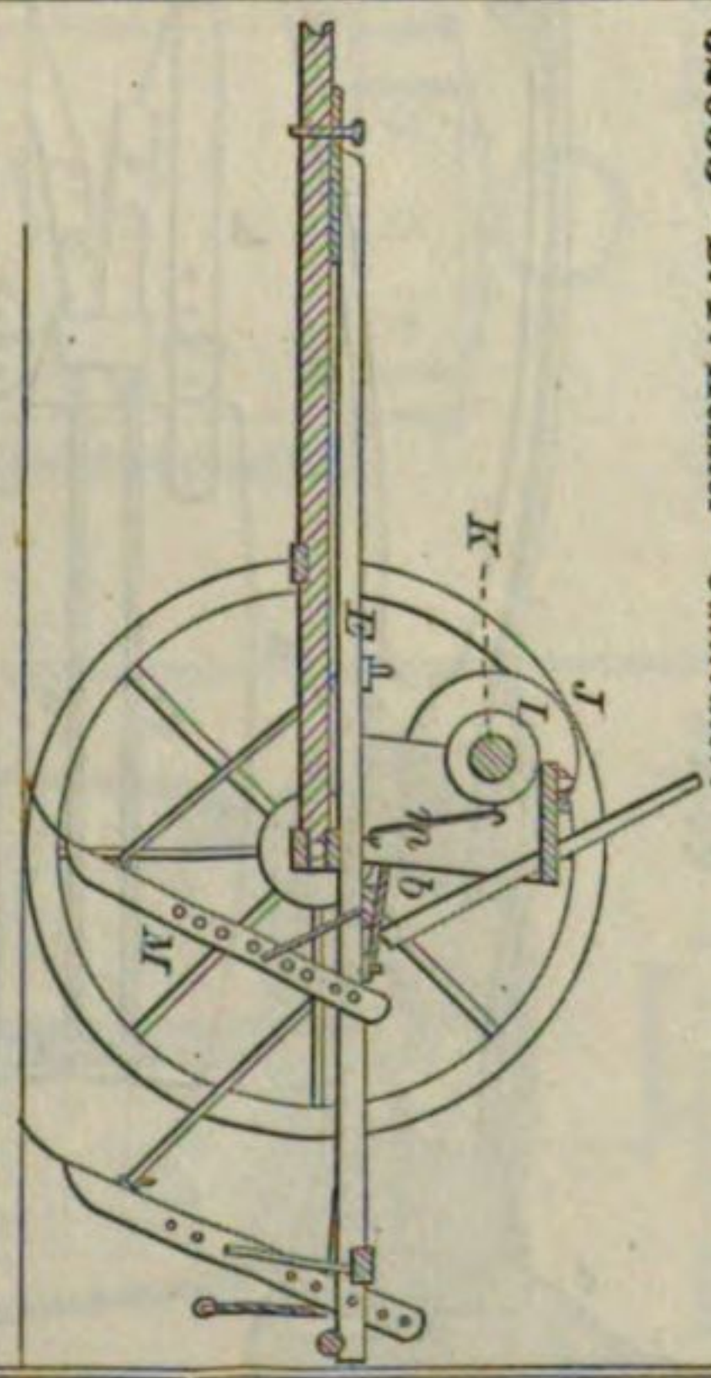
52054—Dr. J. Kidder—*Induction Coil.*



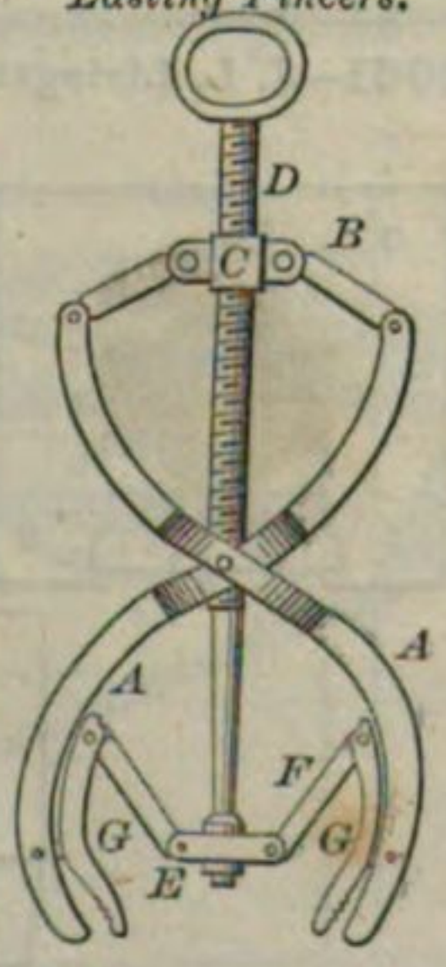
52052—H. P. Jones—*Washing Machine.*



52053—B. F. Kessler—*Cultivator.*

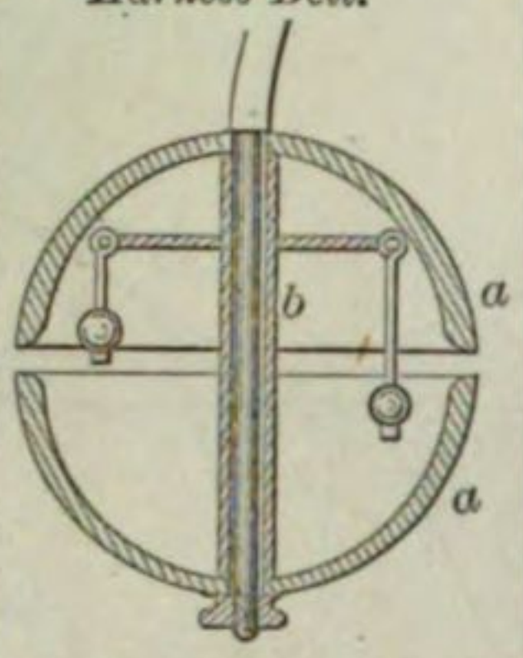


52055—G. Kump—*Lasting Pincers.*

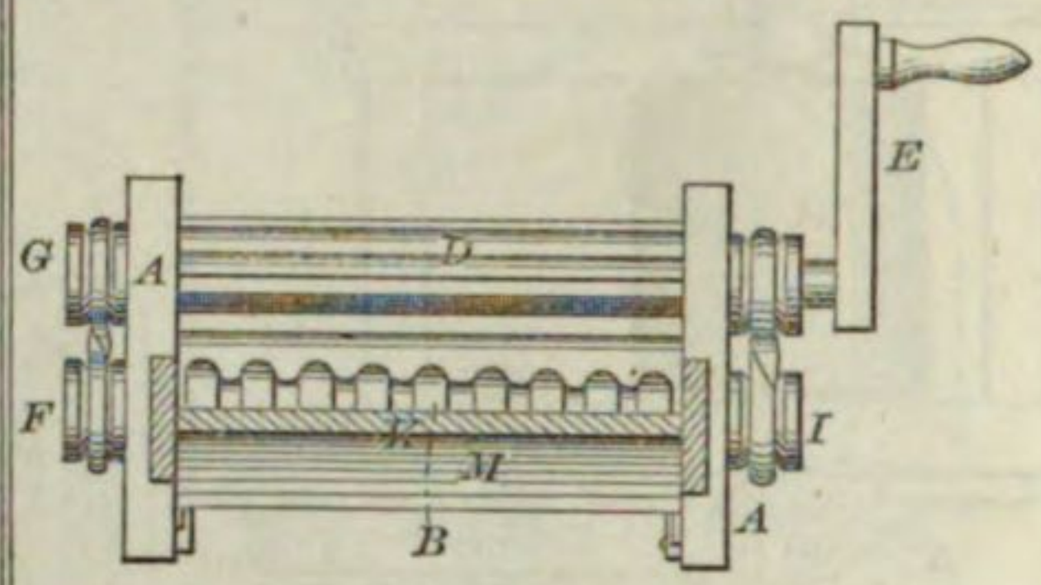


52056—E. G. Lamson—*Auger.*

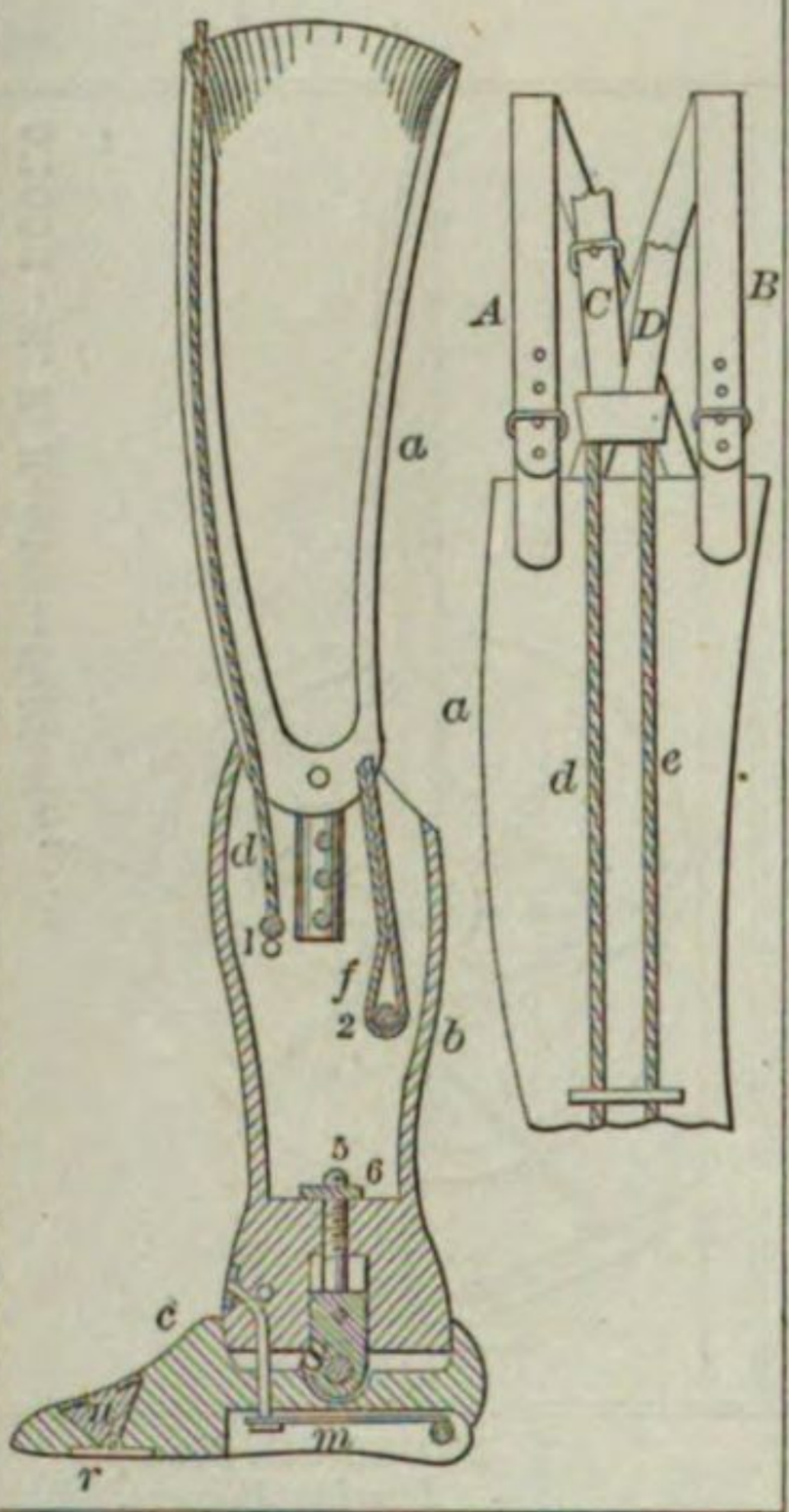
52058—C. T. Liebold—*Harness Bell.*



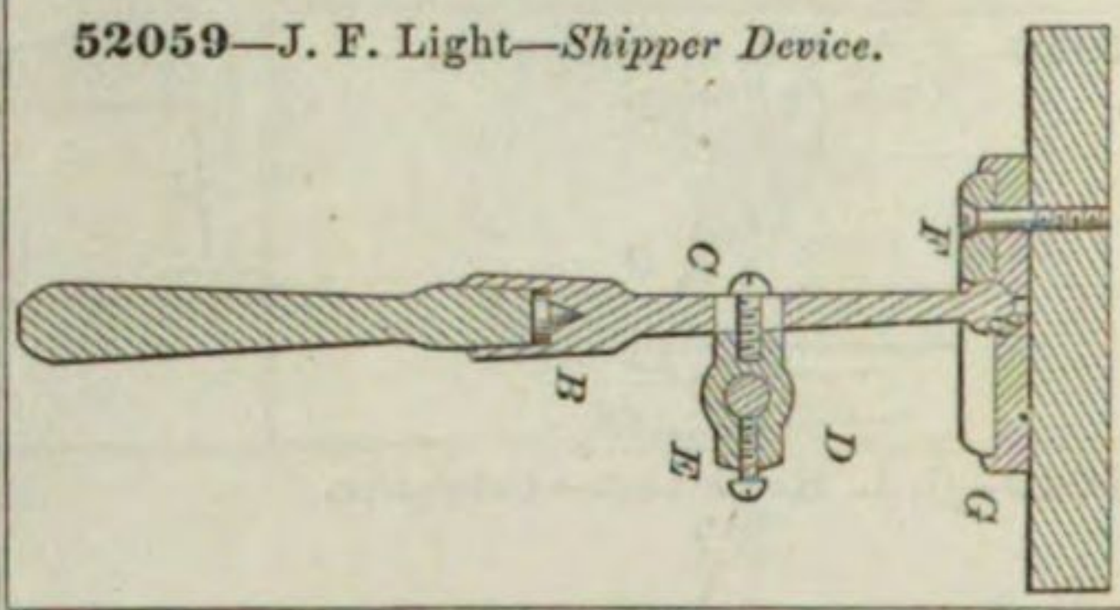
52062—J. C. Loveland—*Dough Kneader.*



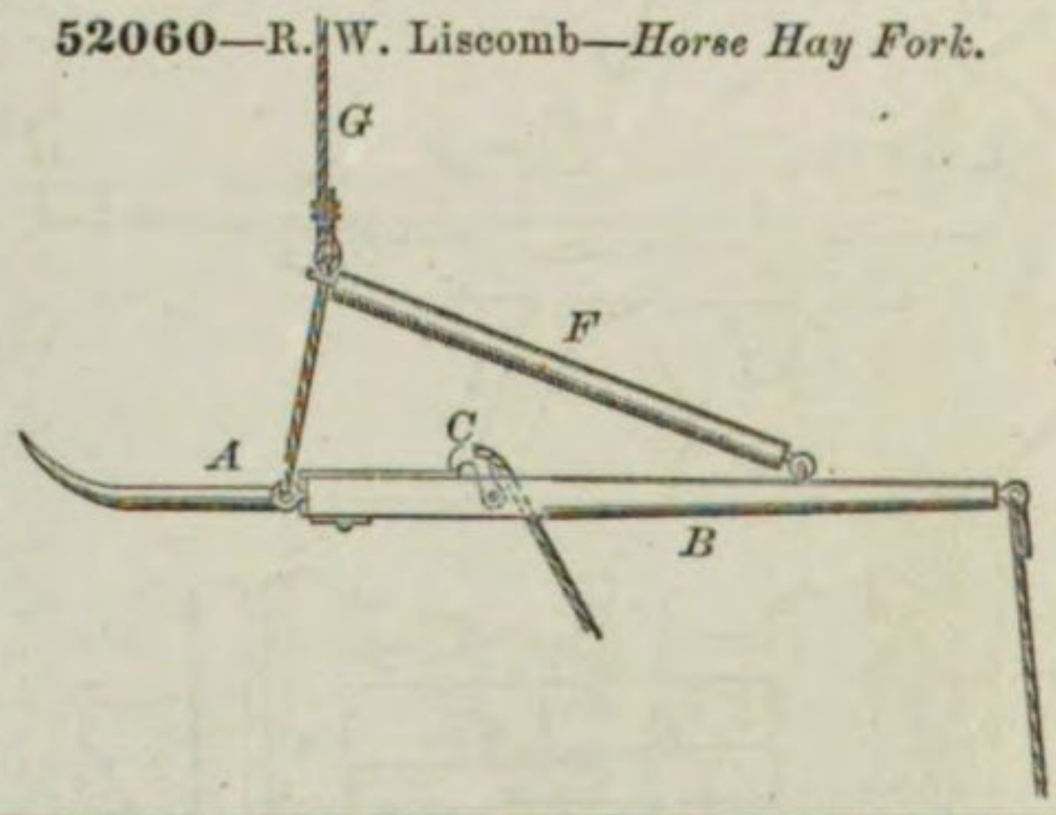
52057—L. Legran—*Artificial Leg.*



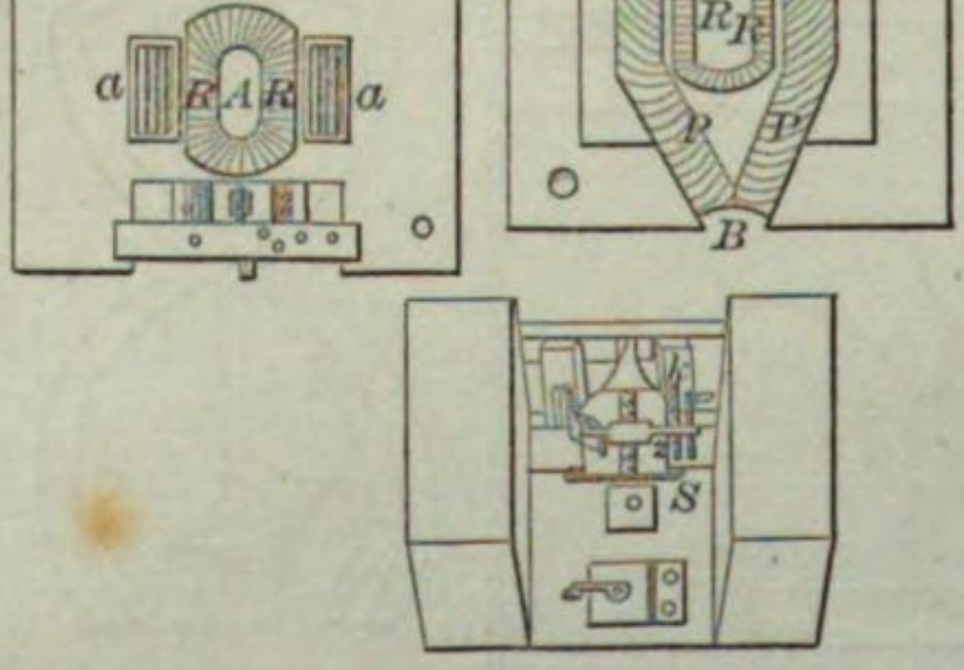
52059—J. F. Light—*Shipper Device.*



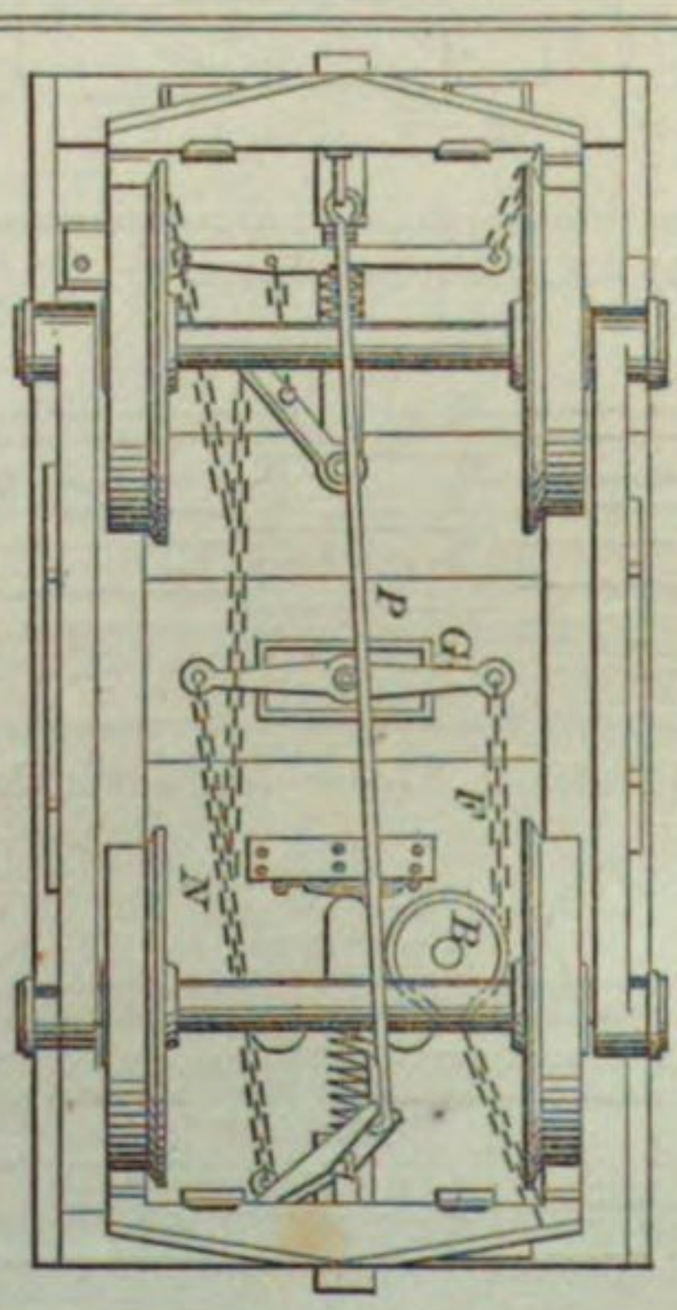
52060—R. W. Liscomb—*Horse Hay Fork.*



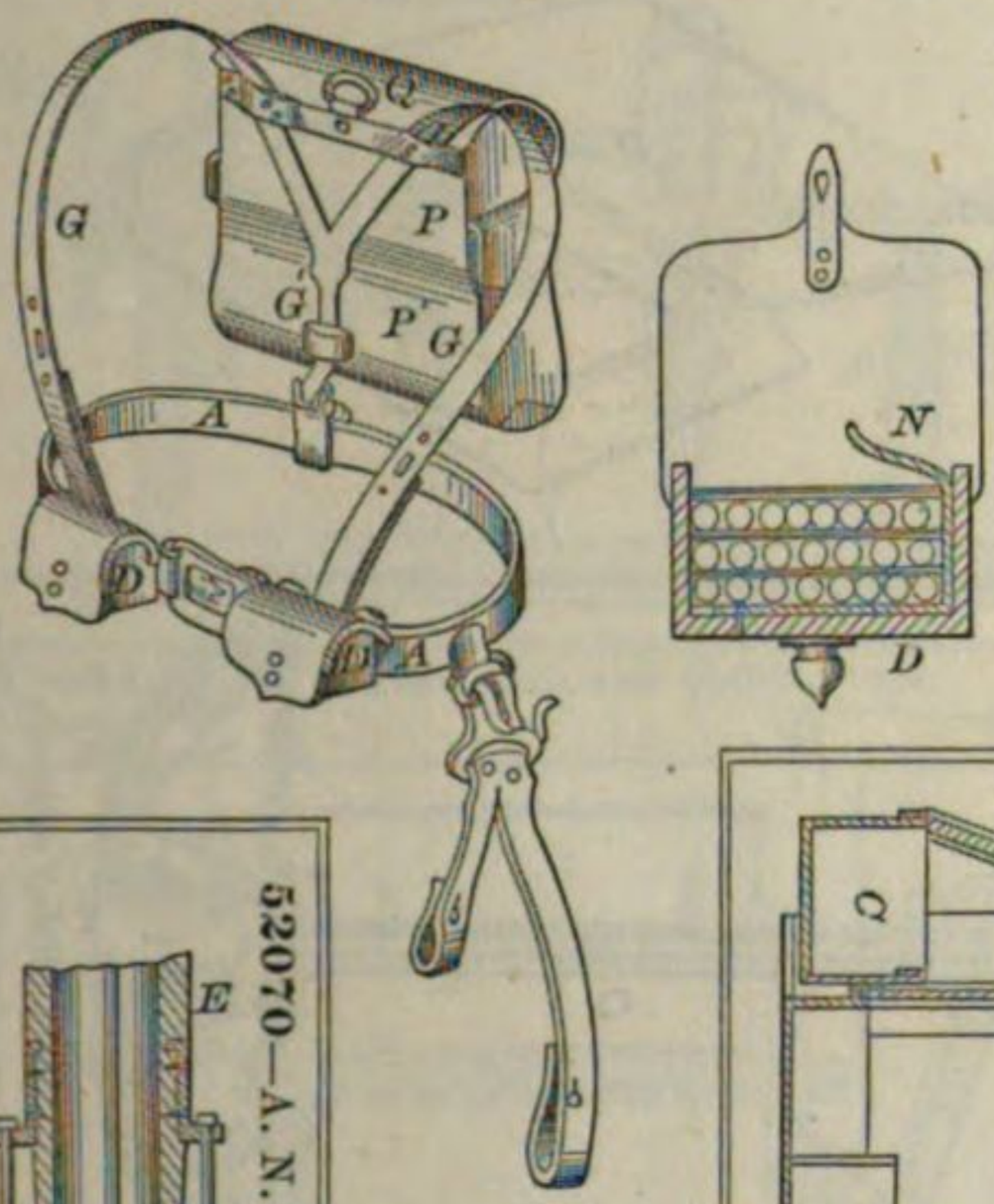
52061—J. L. Livingston—*Lime Kiln.*



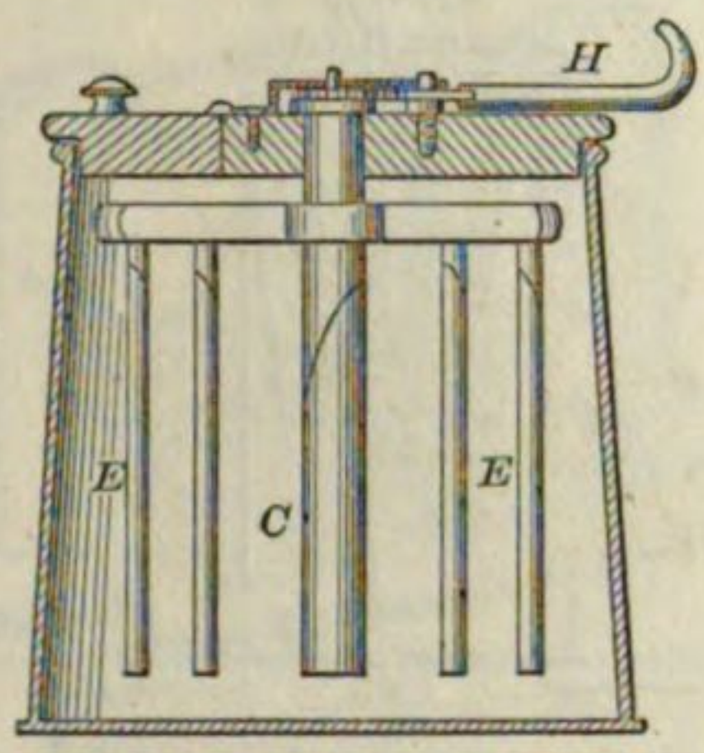
52063—G. F. Lynch—*Car Brake.*



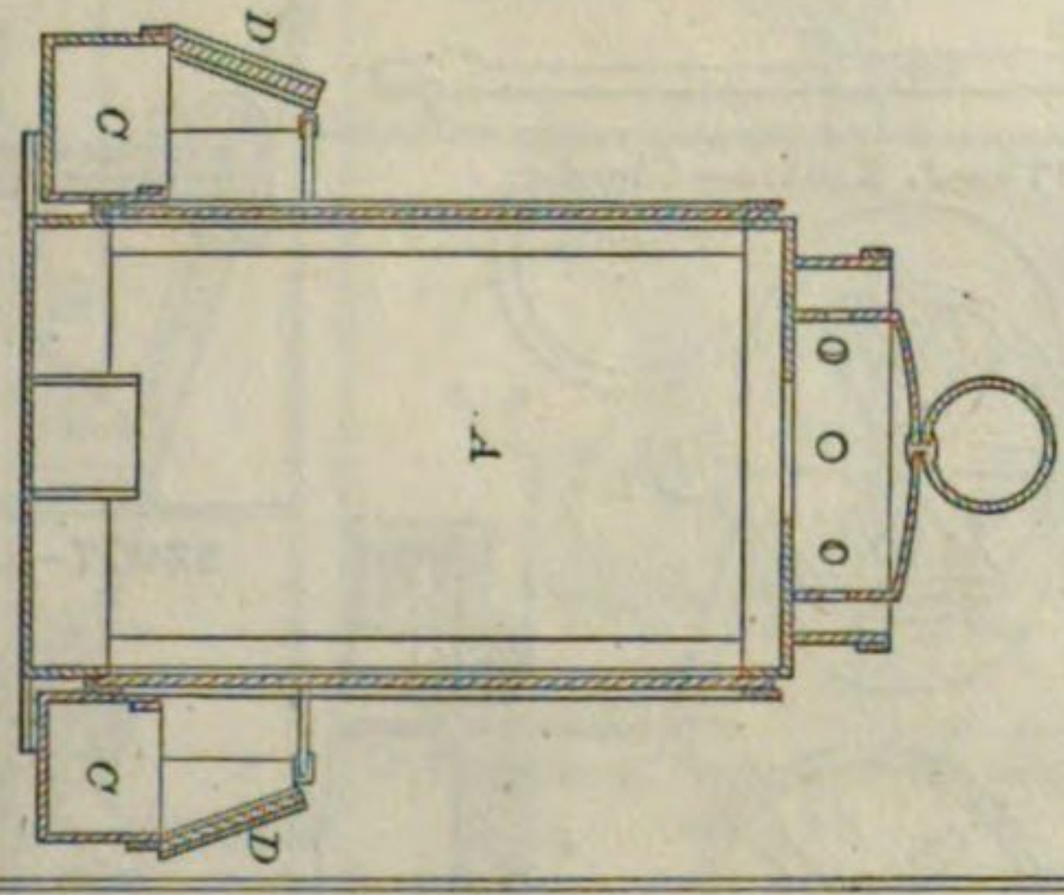
52064—J. K. Mizner—*Cavalry Accoutrements.*



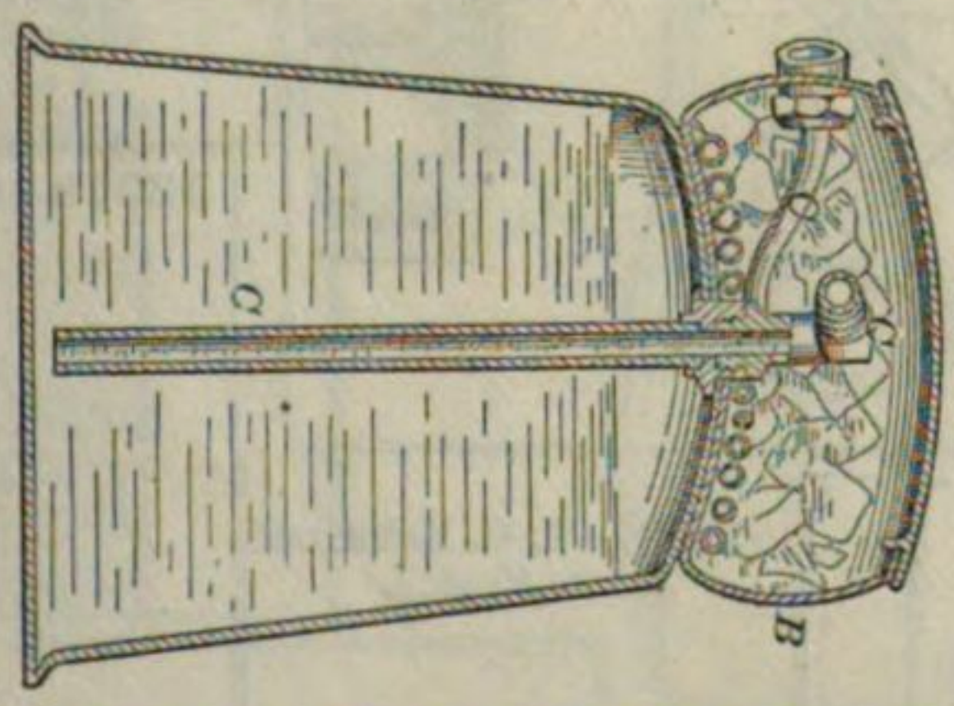
52066—J. O'Donald—*Churn.*



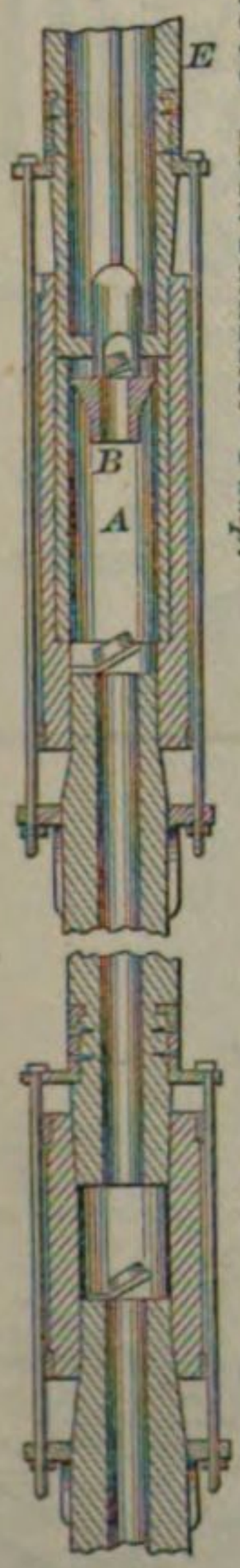
52067—W. Ogden—*Insect Trap.*



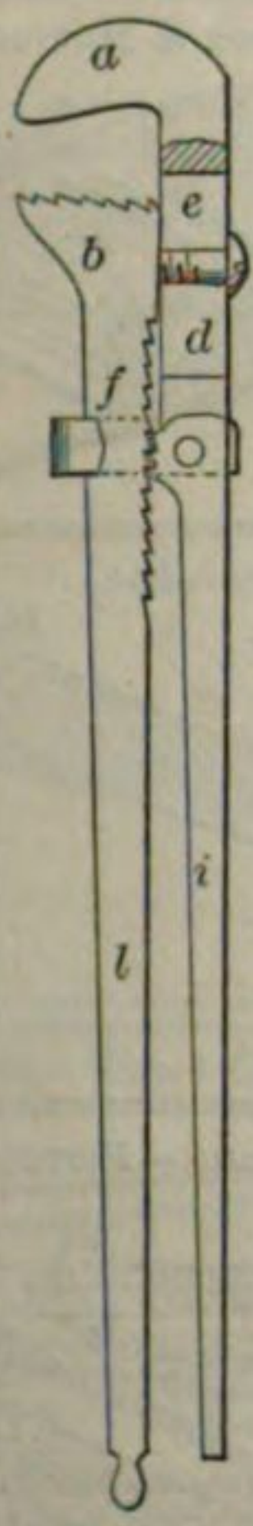
52069—A. J. Ohmer—*Soda Fountain.*



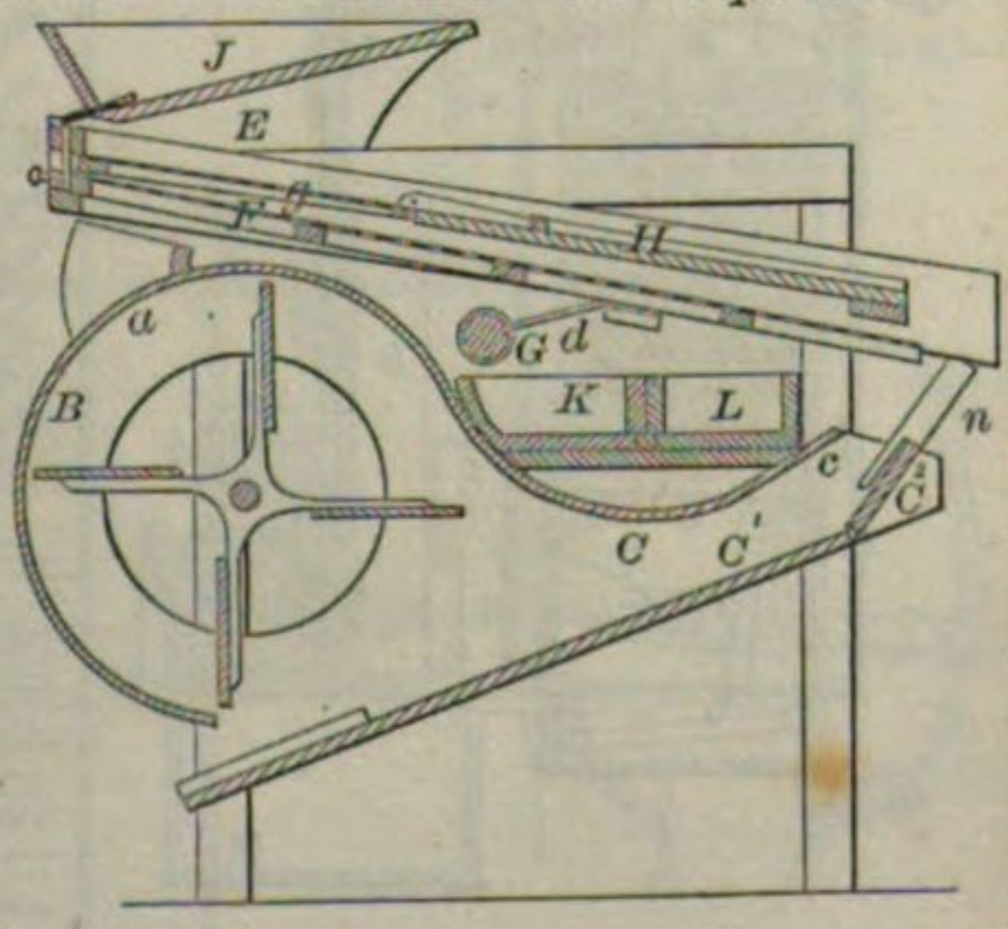
52070—A. N. Parkhurst—*Pump.*



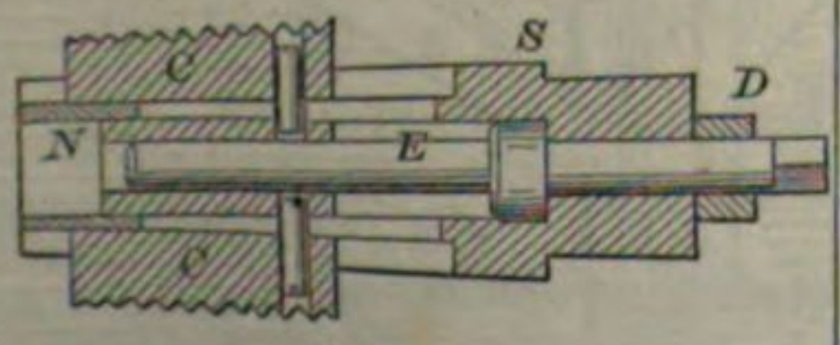
52065—J. Moulton—*Pipe Tongs.*



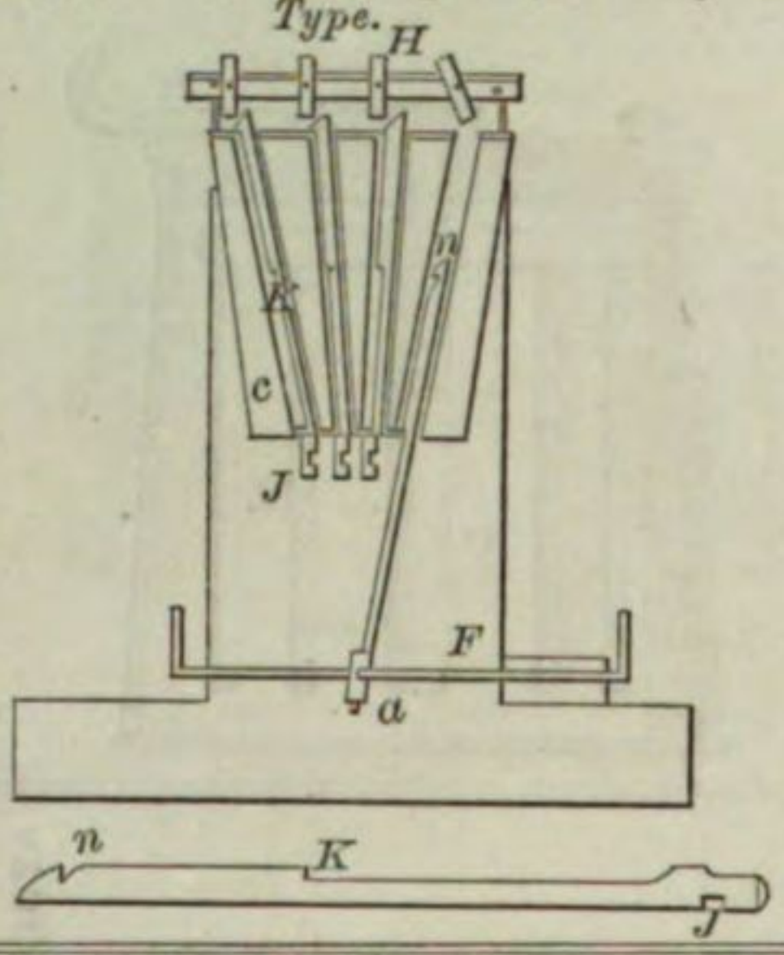
52071—E. C. Patterson—*Grain Separator.*



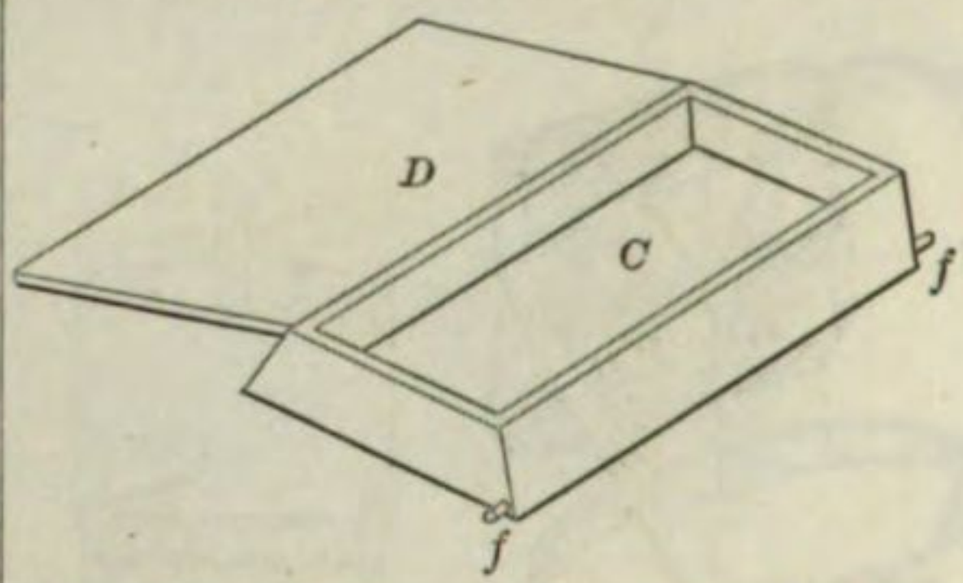
52068—G. A. Ohl—*Expanding Trap.*



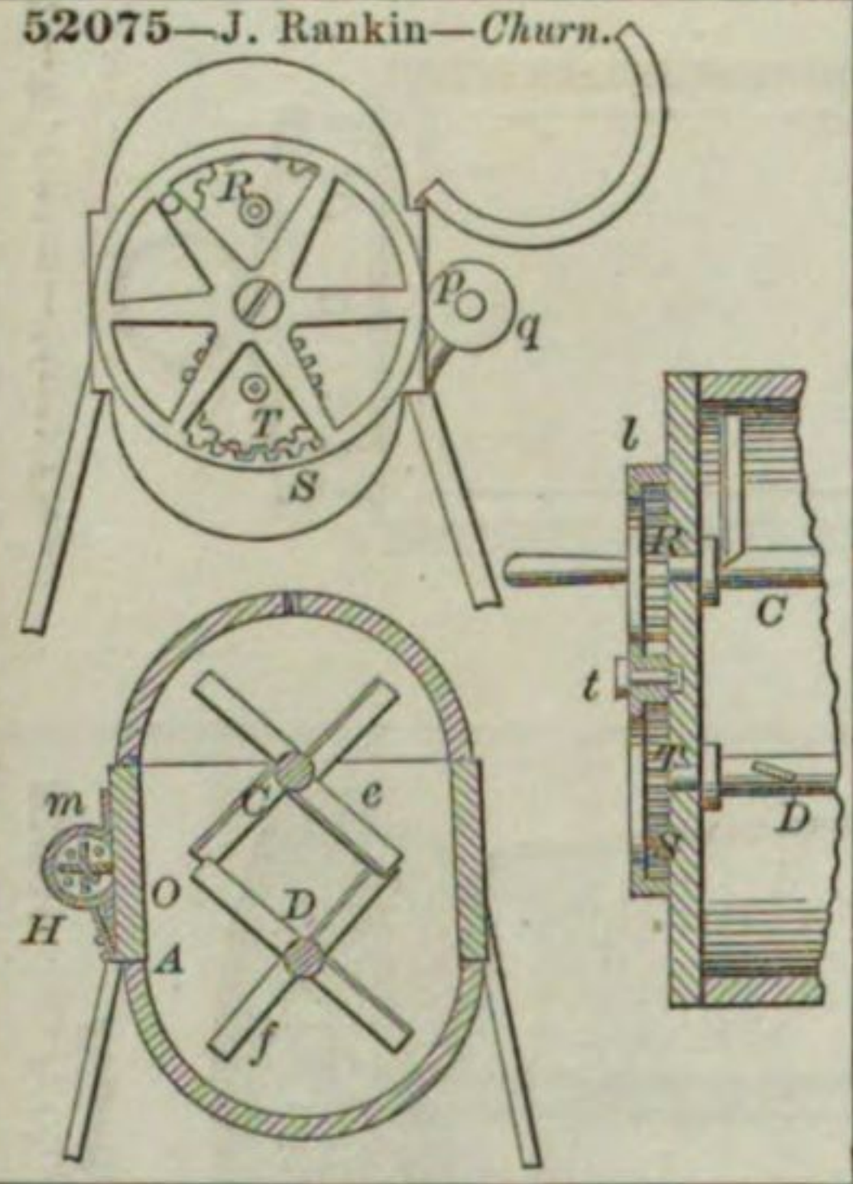
52073—J. Paulding—*For Setting Type.*



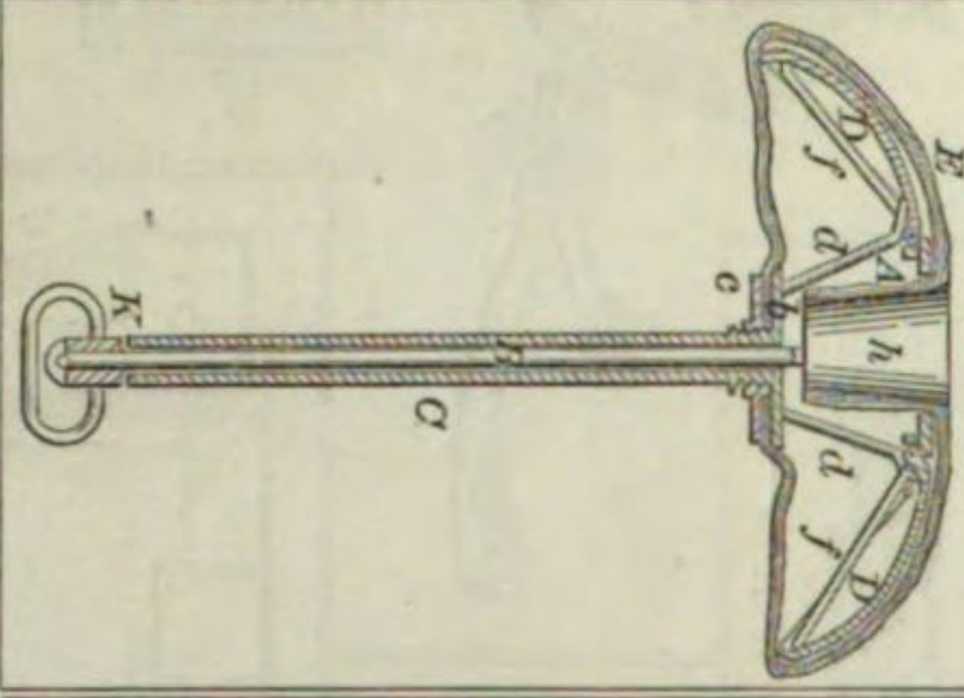
52074—I. L. Plumer—*Trunk.*



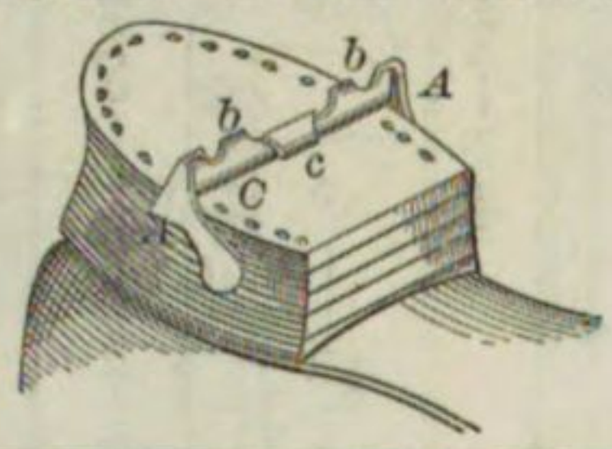
52075—J. Rankin—*Churn.*



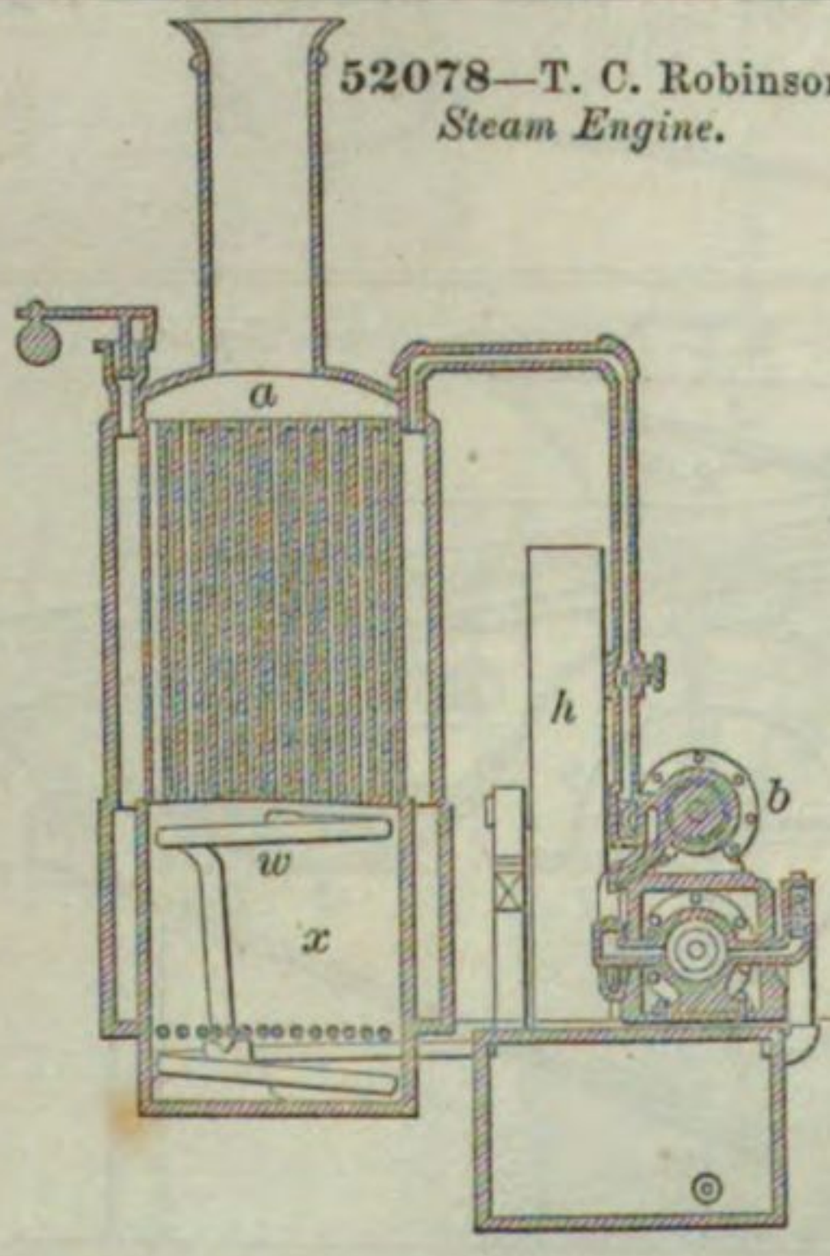
52076—F. Reichenbach—*Uterine Supporter.*



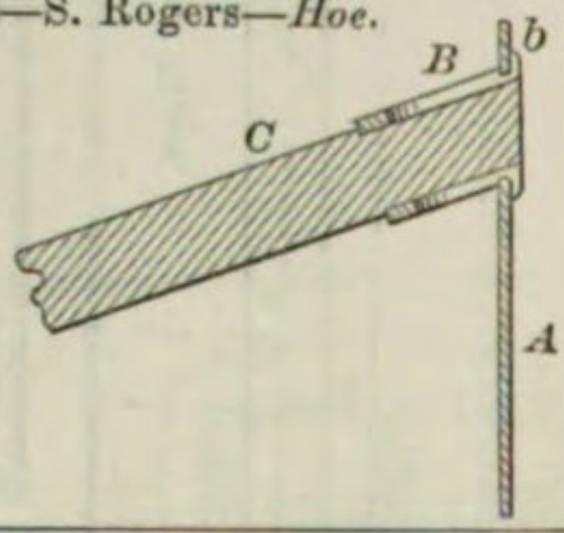
52077—Richardson & Morse—*Heel Calk.*



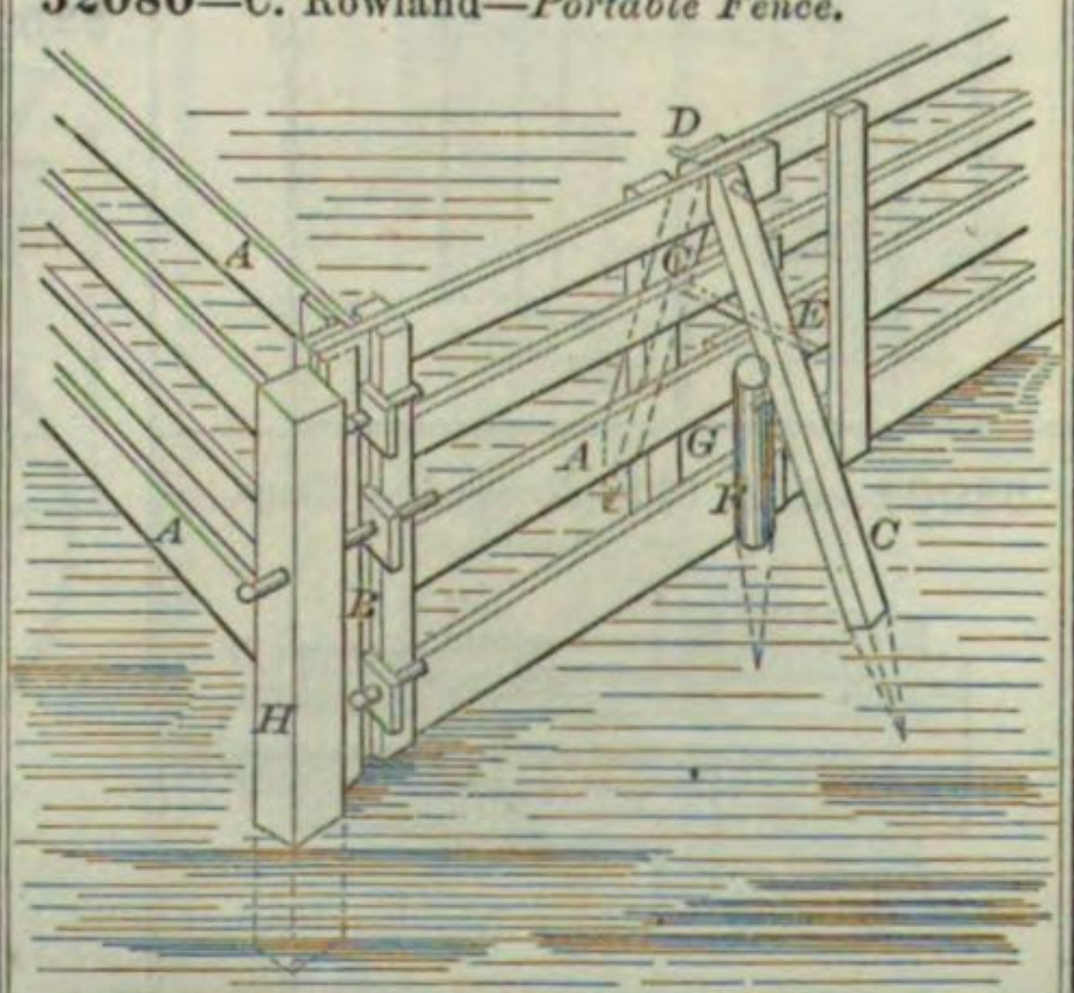
52078—T. C. Robinson *Steam Engine.*



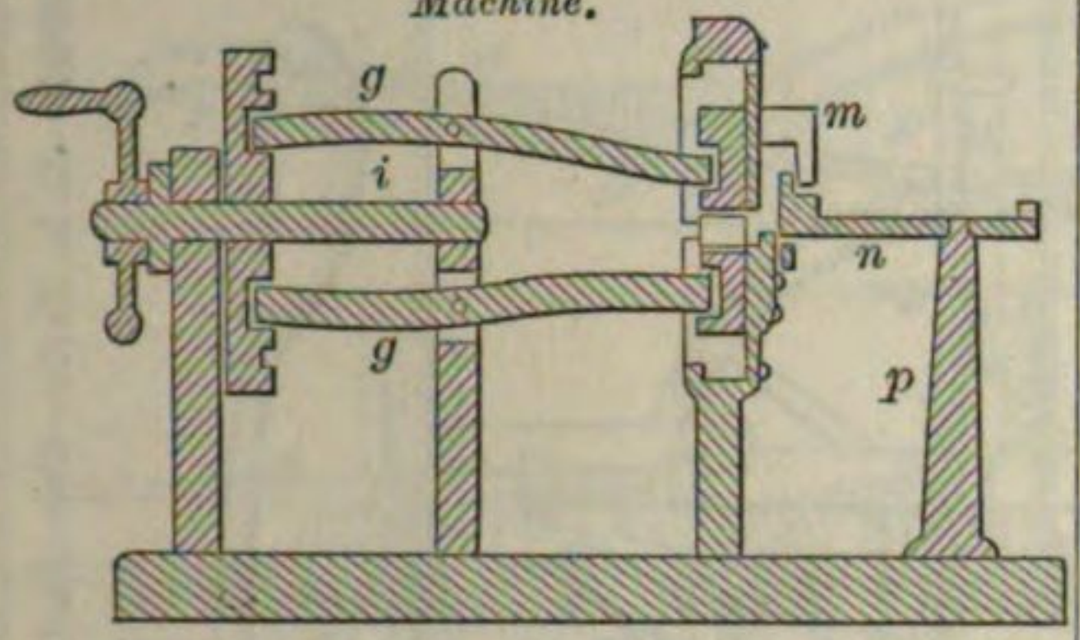
52079—S. Rogers—*Hoe.*



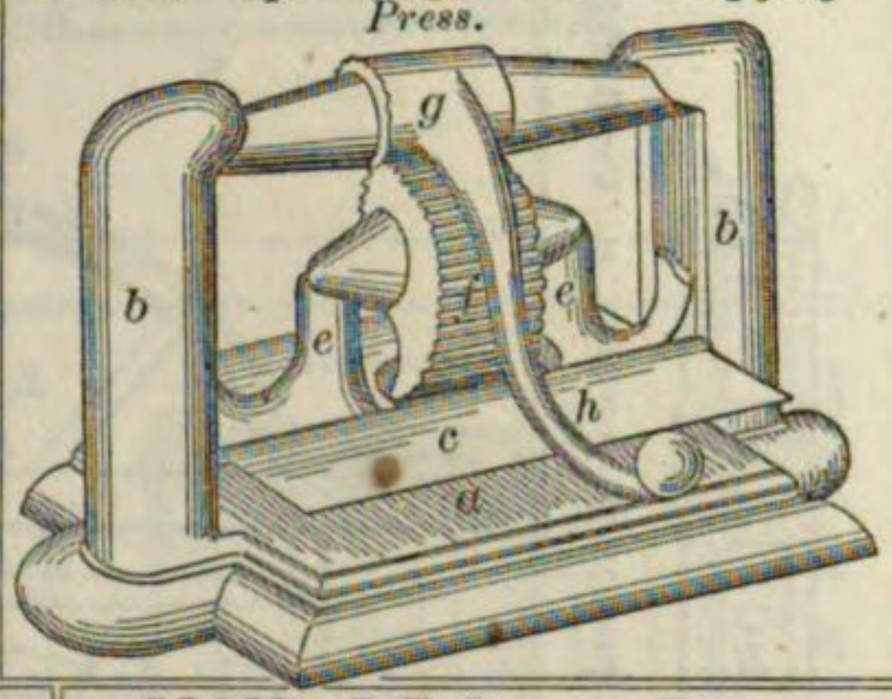
52080—C. Rowland—*Portable Fence.*



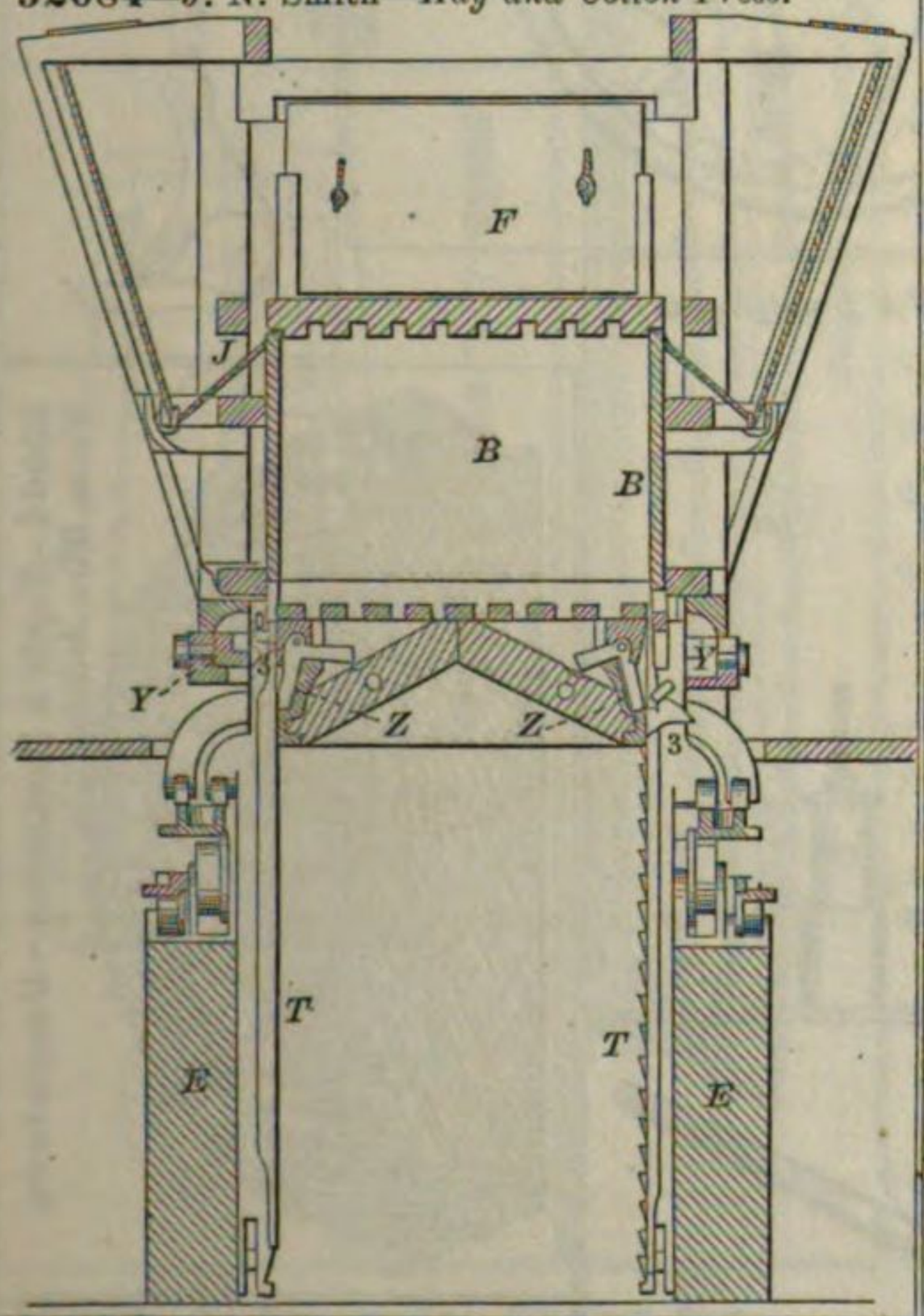
52081—Sargent & Rider—*Horse Shoe Nail Machine.*



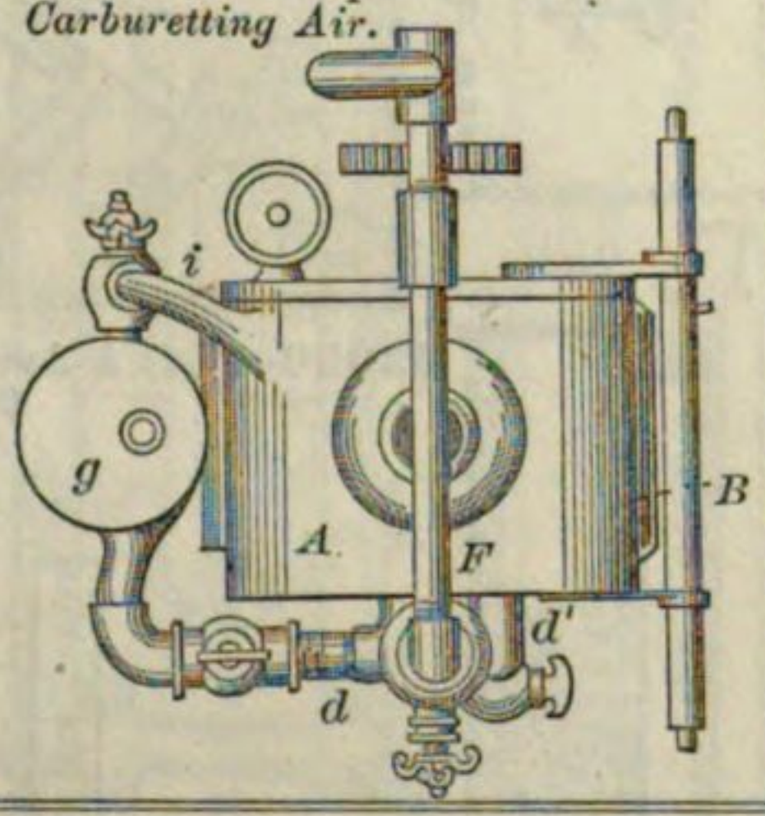
52086—Spaulding & Coffin—*Copying Press.*



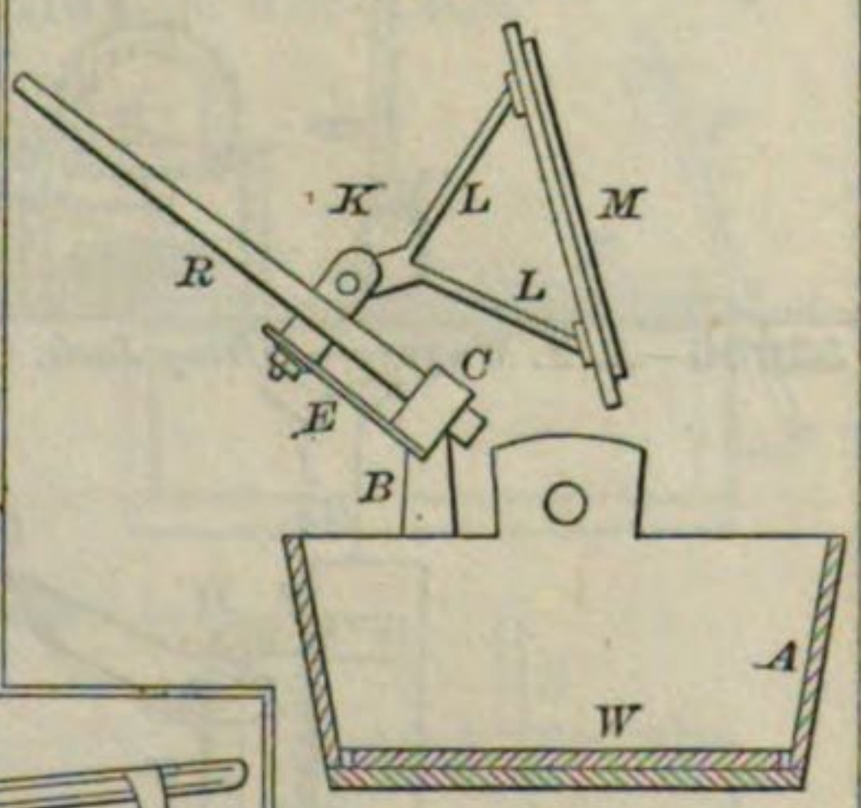
52084—J. N. Smith—*Hay and Cotton Press.*



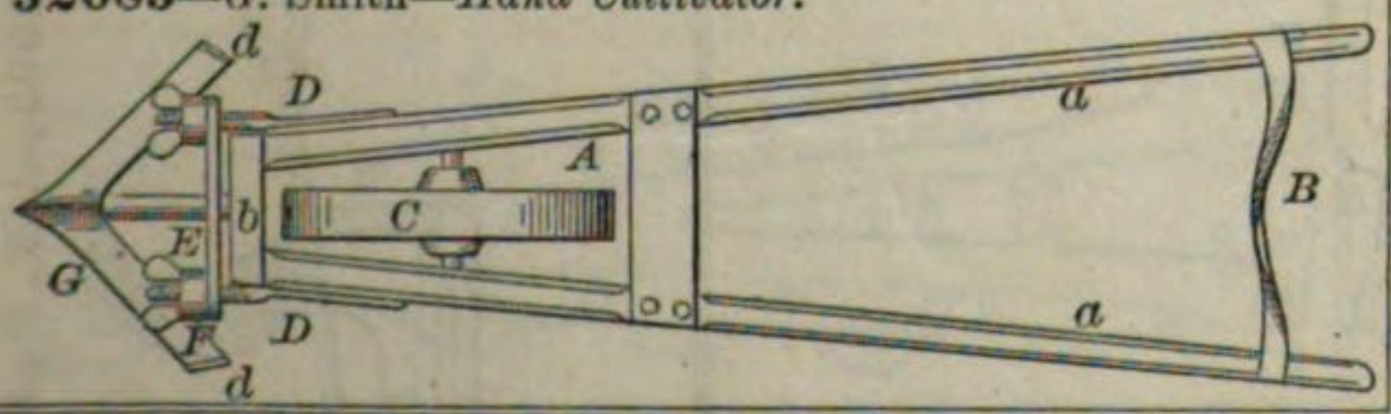
52087—J. F. Spence—*For Carburetting Air.*



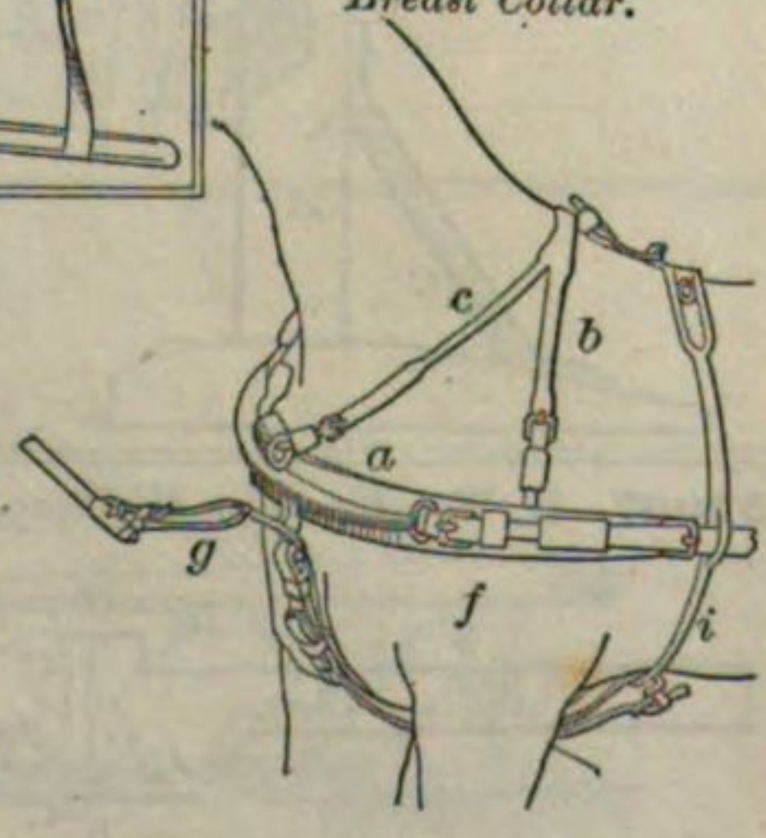
52085—S. Spelman—*Washing Machine.*



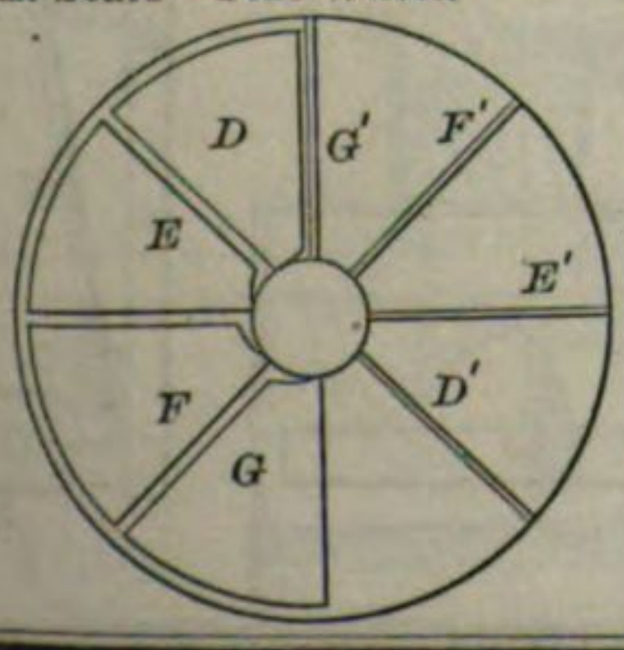
52083—G. Smith—*Hand Cultivator.*



52088—S. E. Stowell—*Breast Collar.*

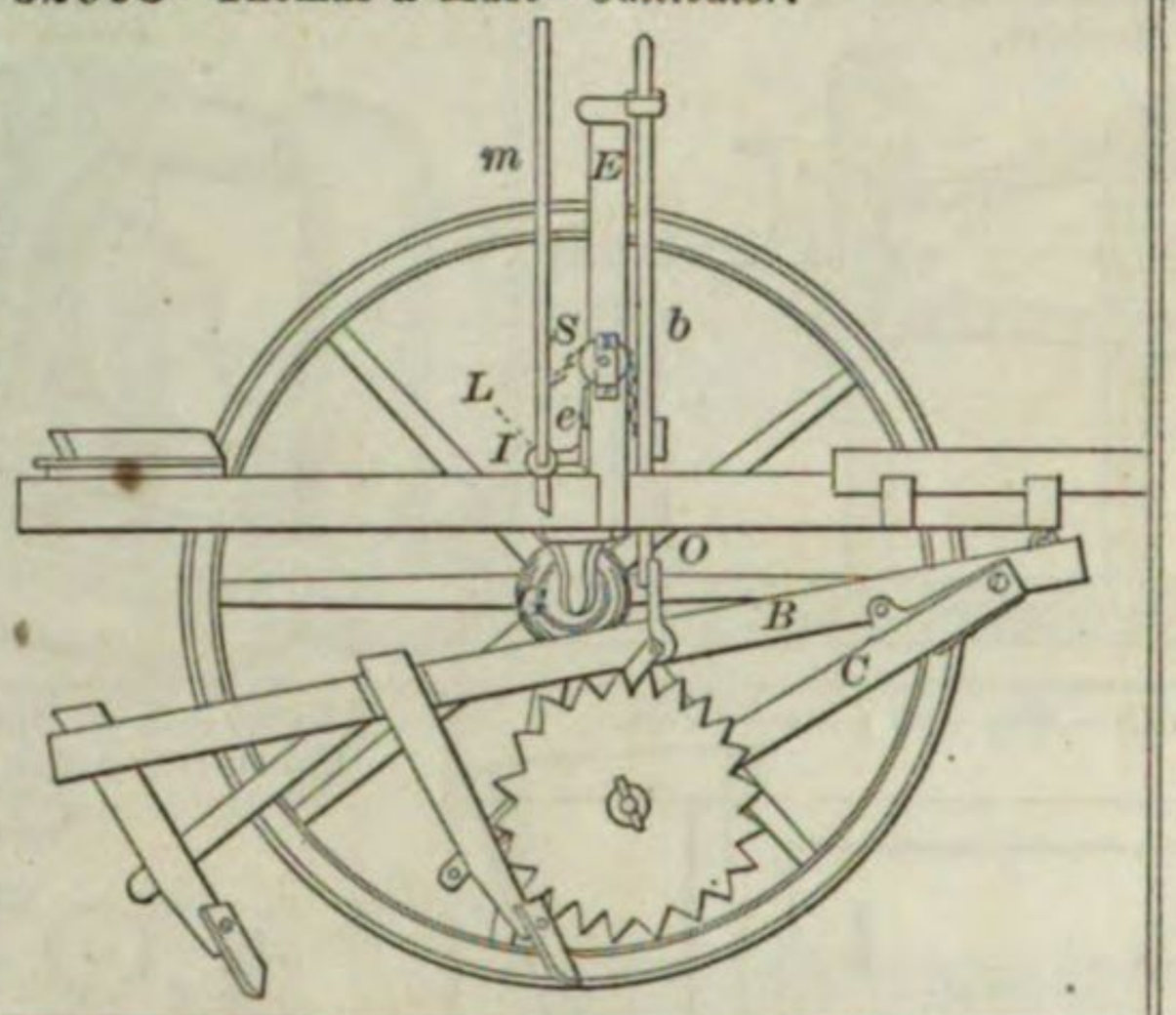


52082—W. H. Sears—*Tide Wheel.*

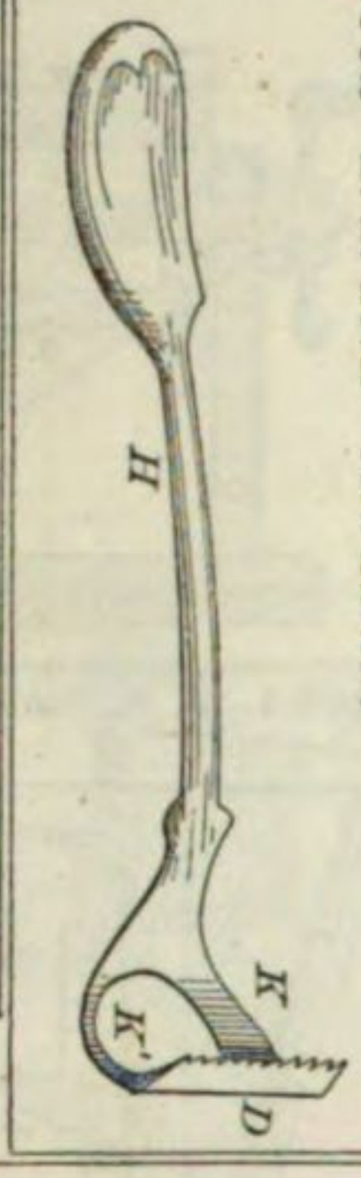


52089—A. W. Straub—*Railroad Car Wheel.*

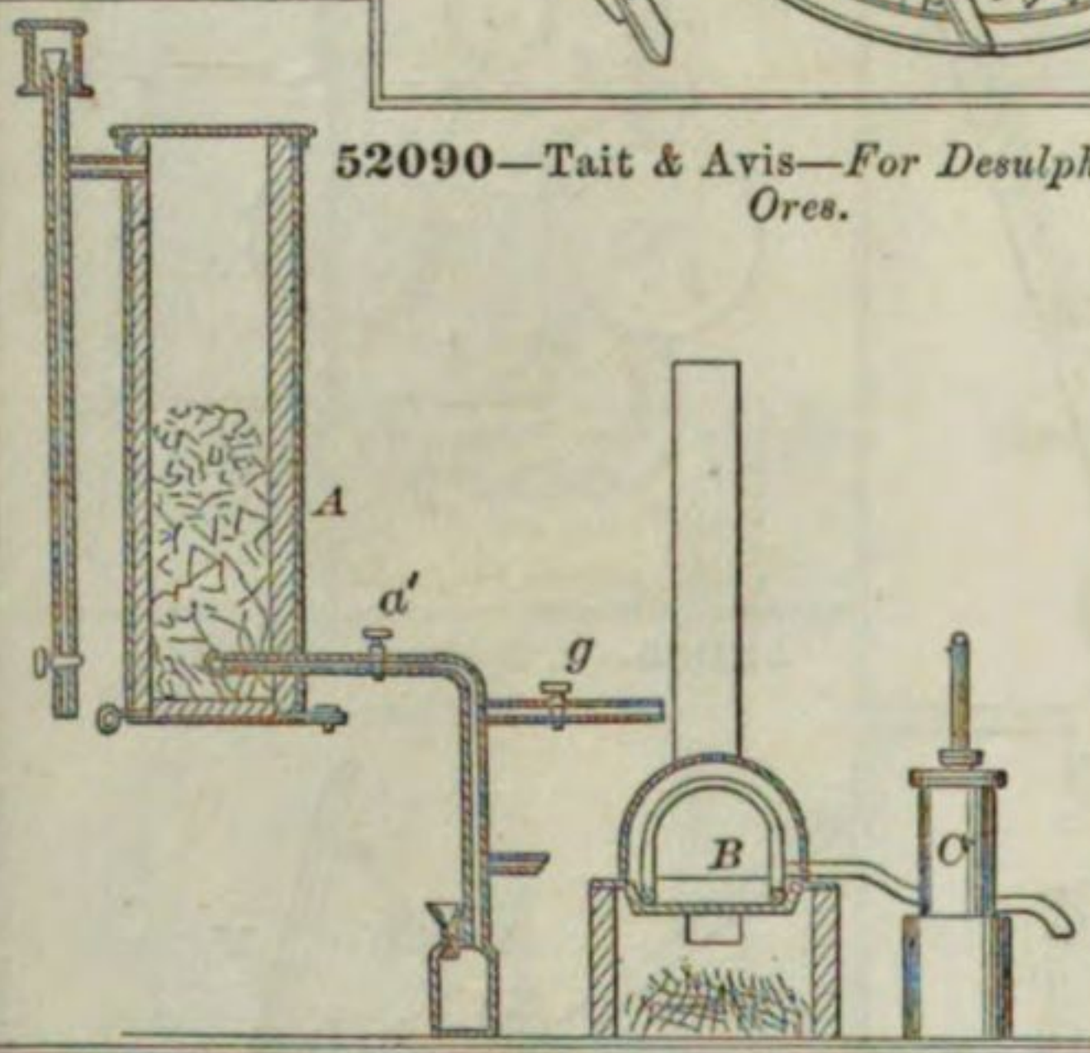
52093—Thomas & Mast—*Cultivator.*



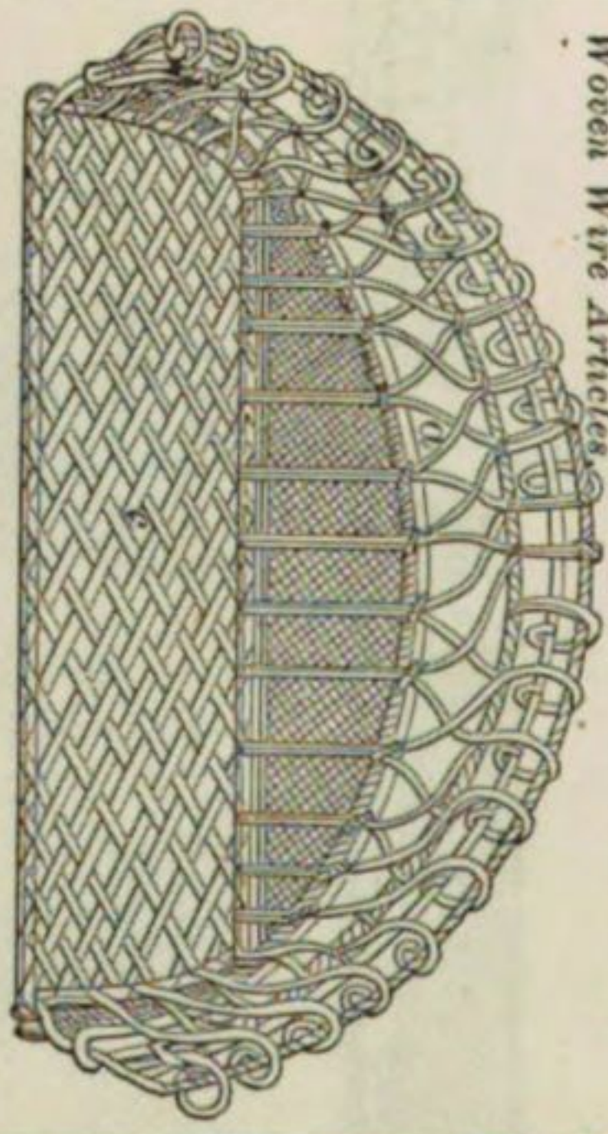
52092—E. L. Tevis—*Corn Sheller.*



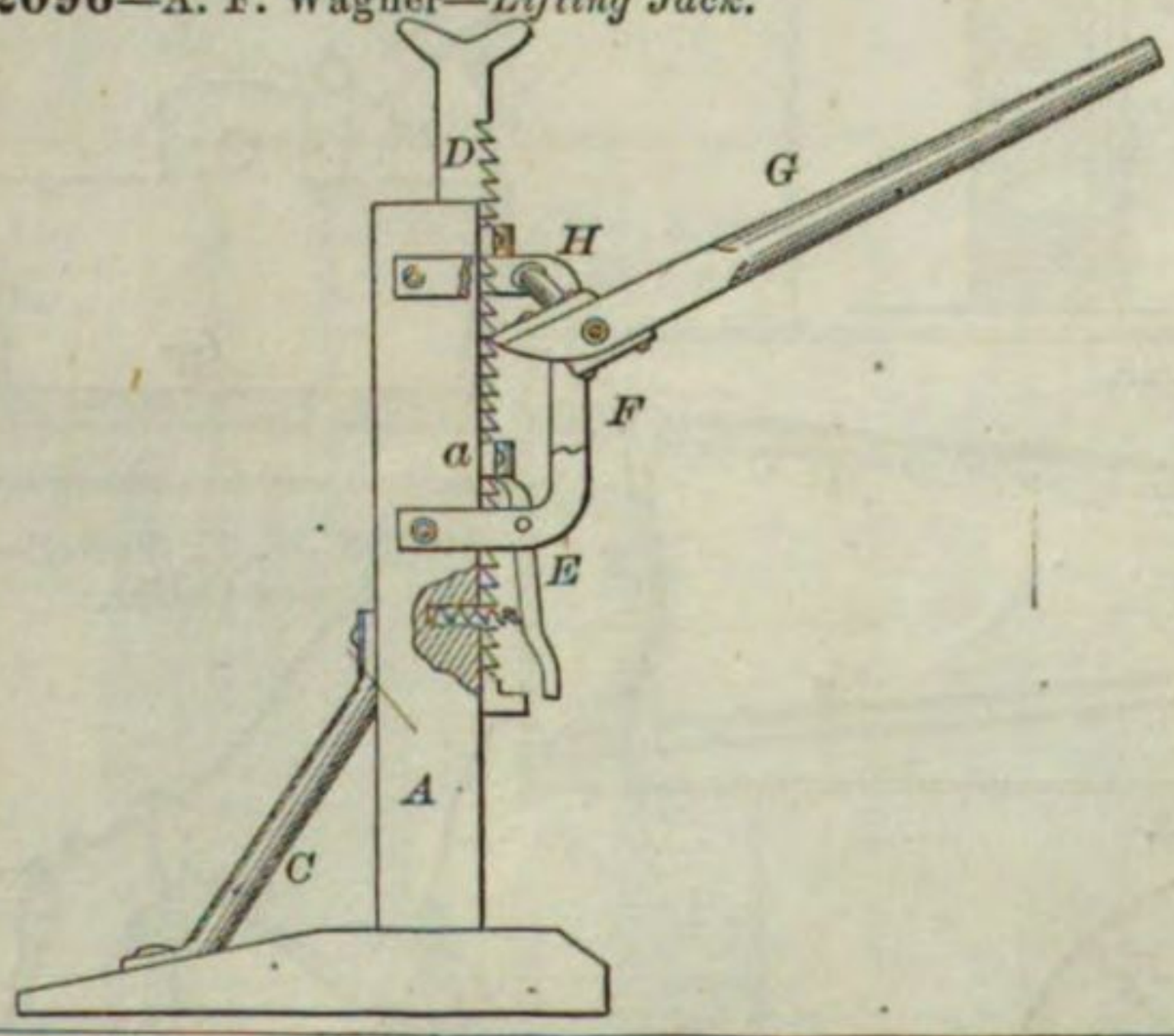
52090—Tait & Avis—*For Desulphurizing Ores.*



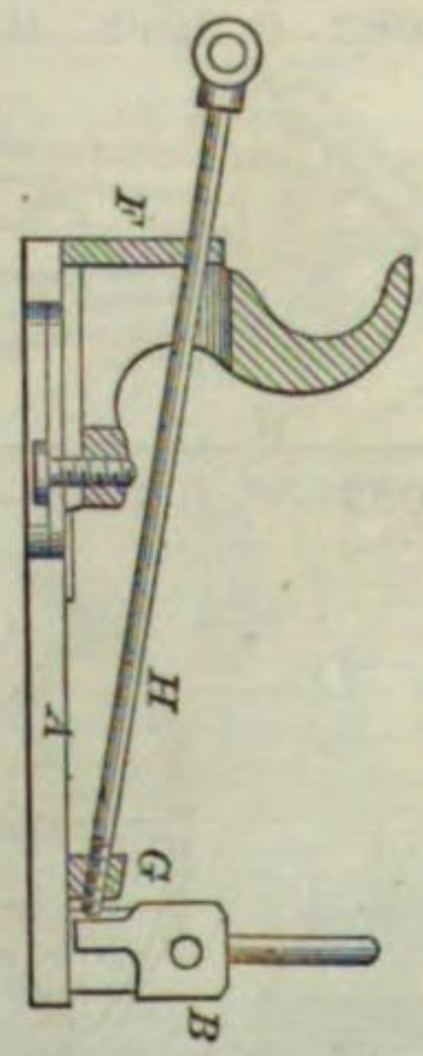
52094—Topliff & Tunnington—*Manufacturing Woven Wire Articles.*



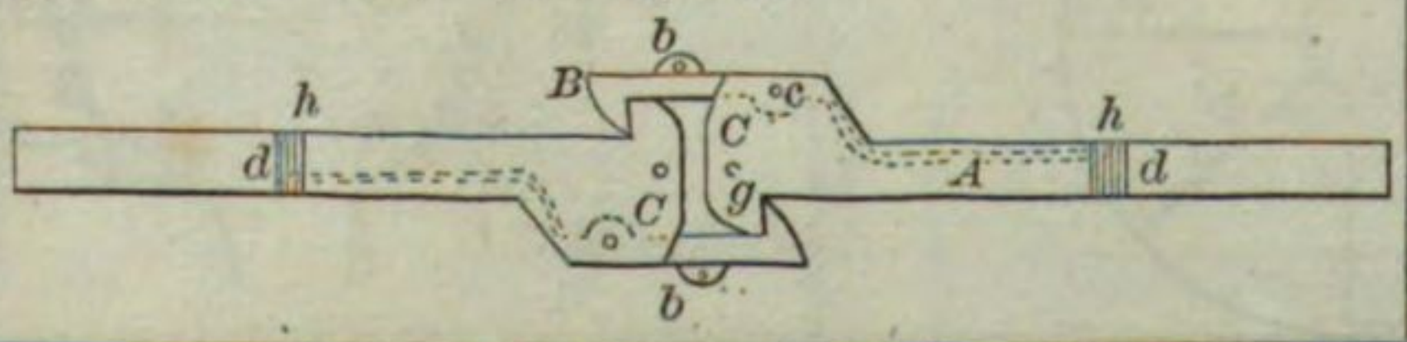
52096—A. F. Wagner—*Lifting Jack.*



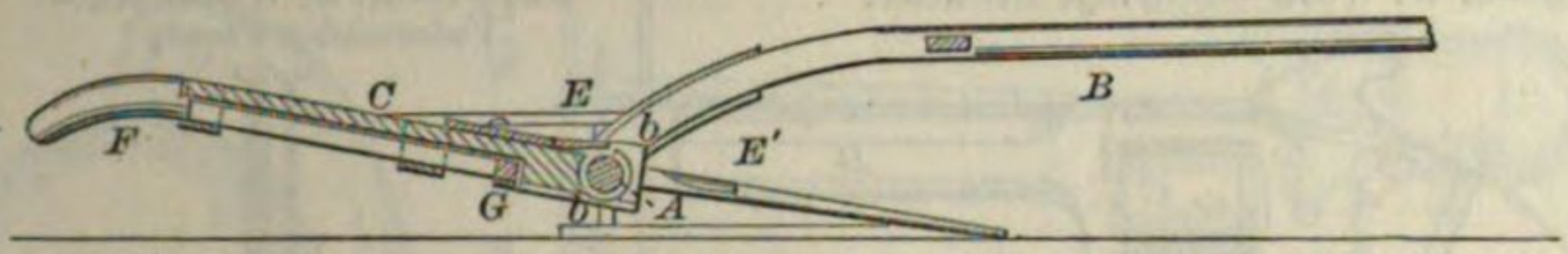
52095—A. K. Washburn—*Pegging Jack.*

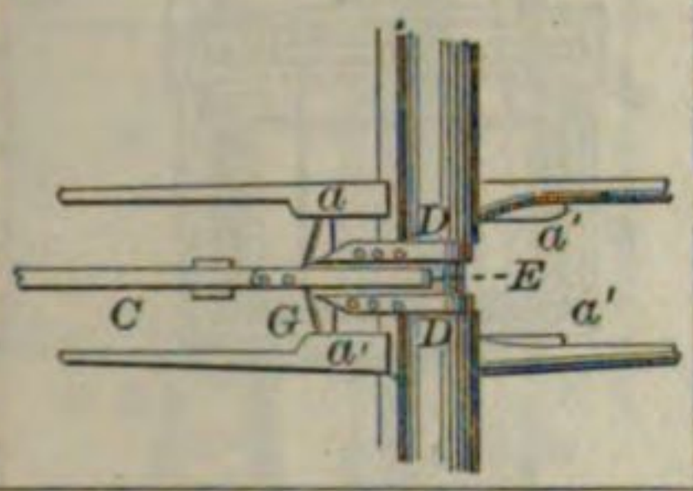


52097—H. Webster—*Car Coupling.*

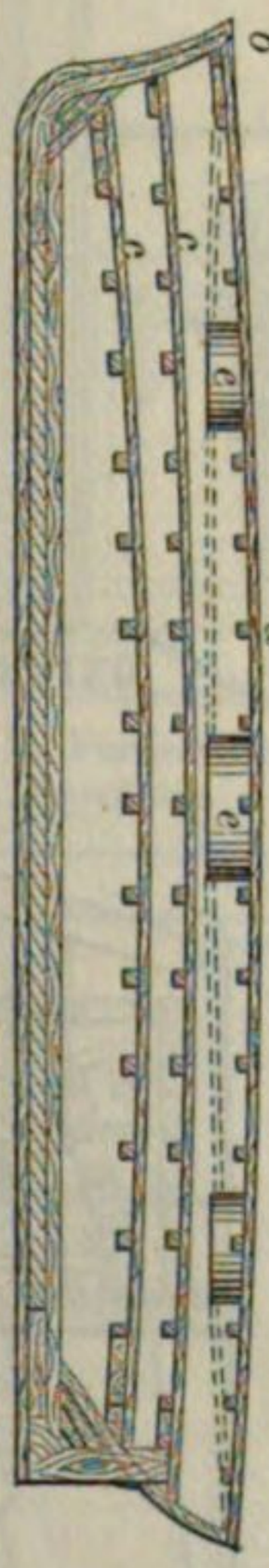


52098—A. Wells—*Horse Rake.*

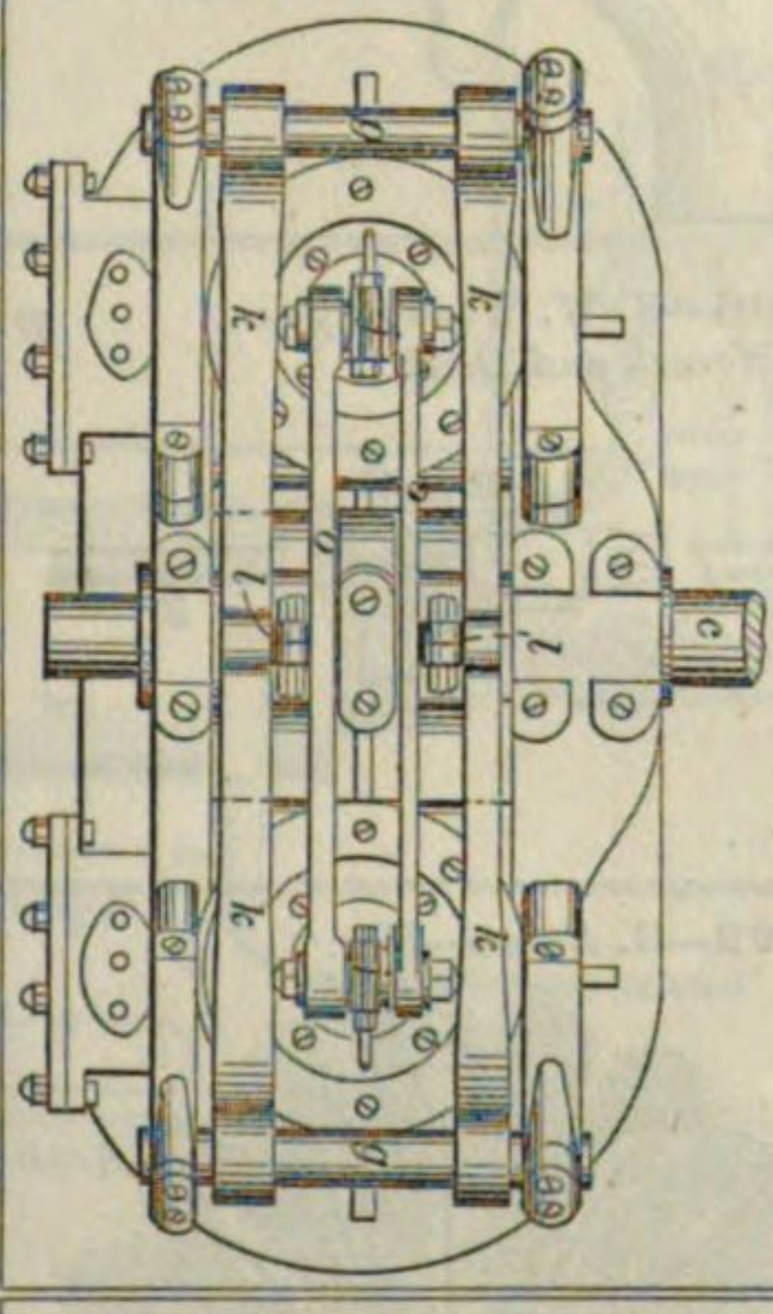




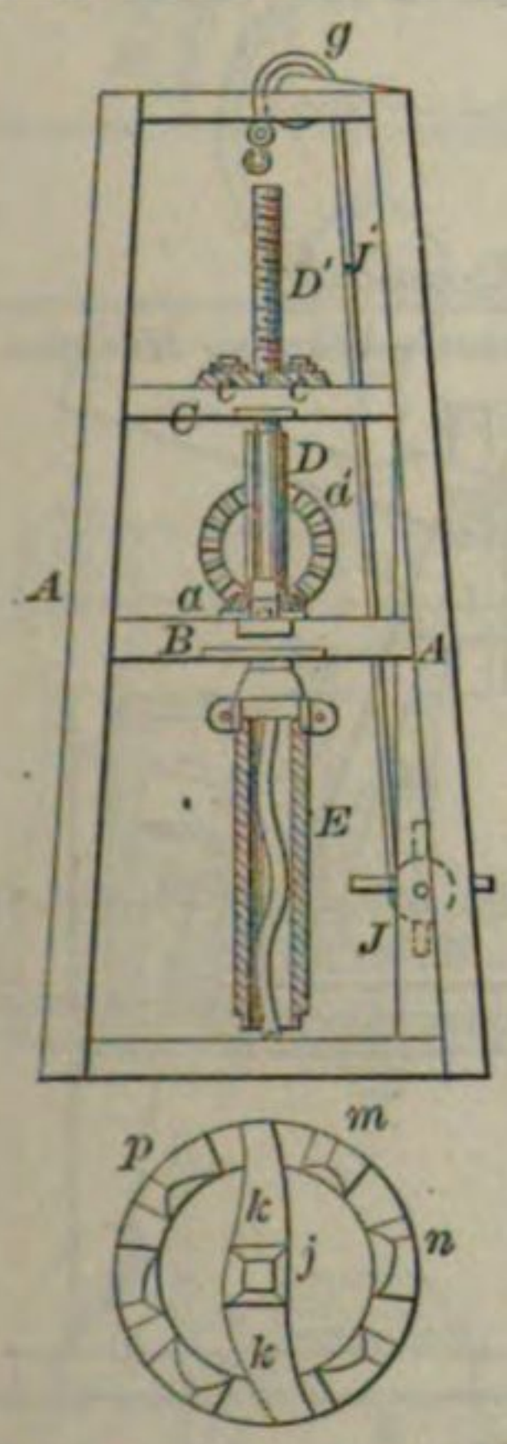
52100—N. W. Wheeler—*Ship Building.*



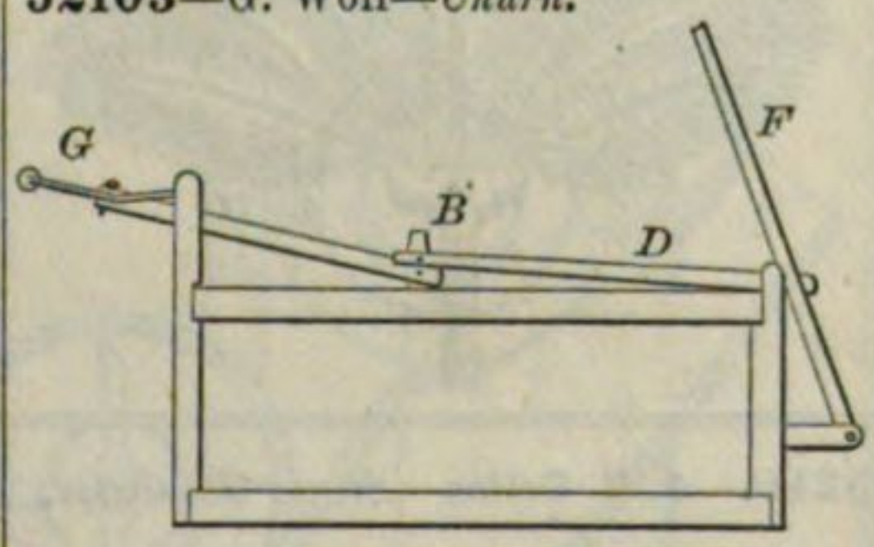
52101—N. W. Wheeler—*Triangular Beam Engine.*



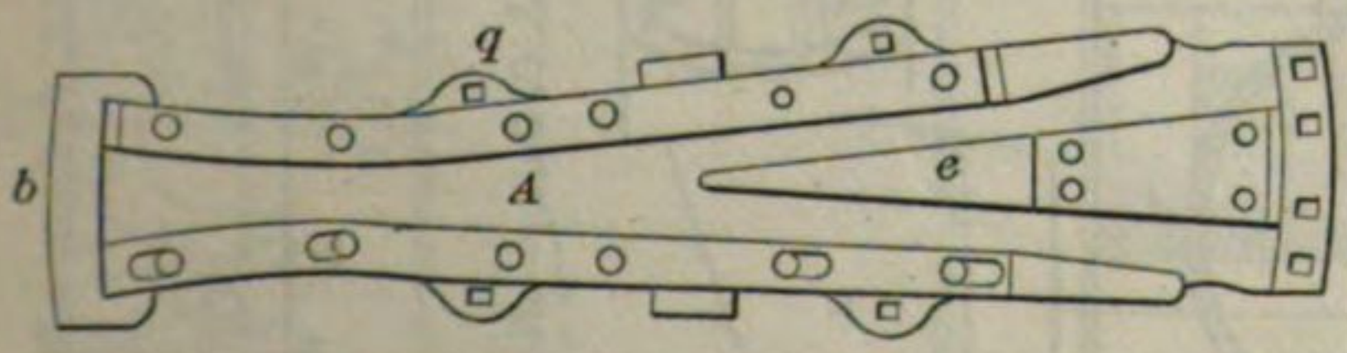
52102—G. L. Witsil—*Well Boring.*

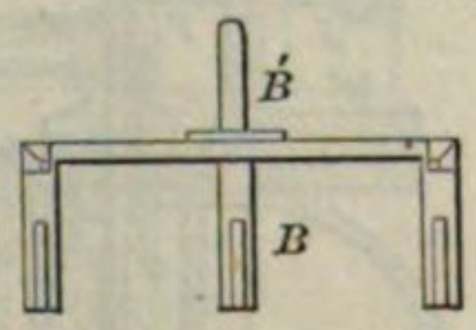


52103—G. Wolf—*Churn.*

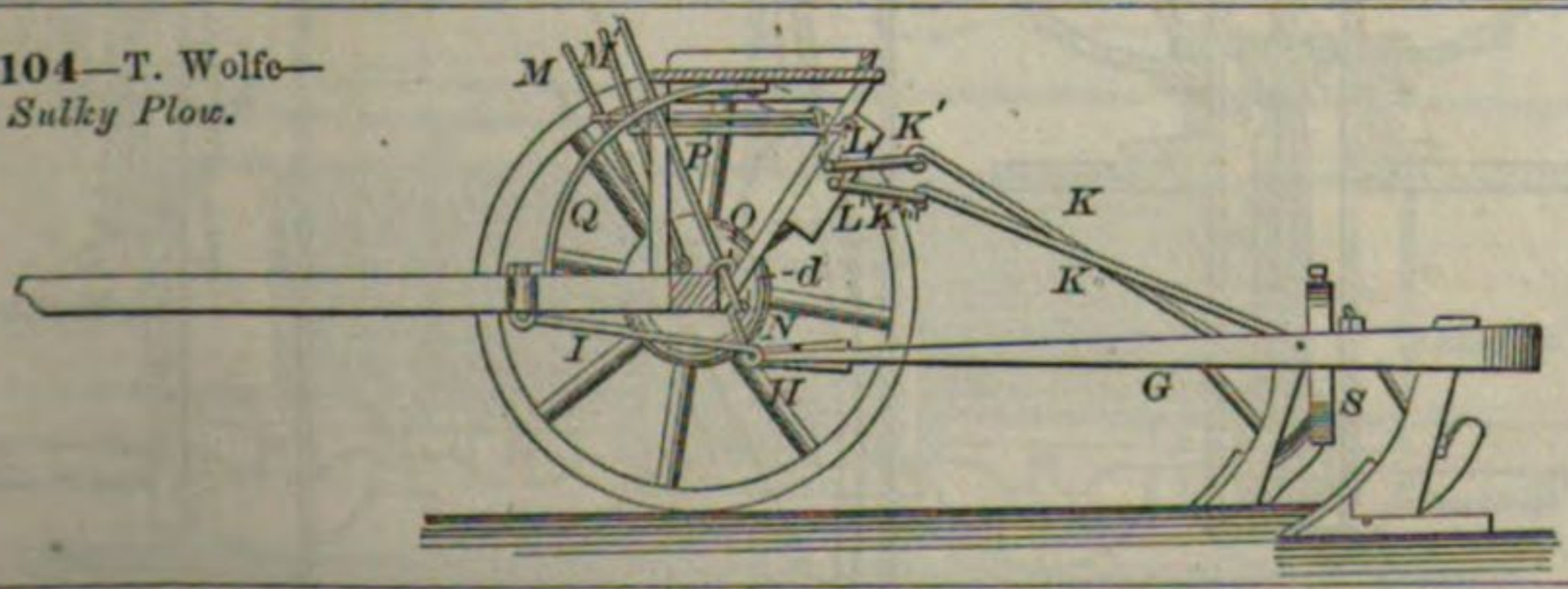


52099—W. Wharton, Jr.—*Railroad Frog.*

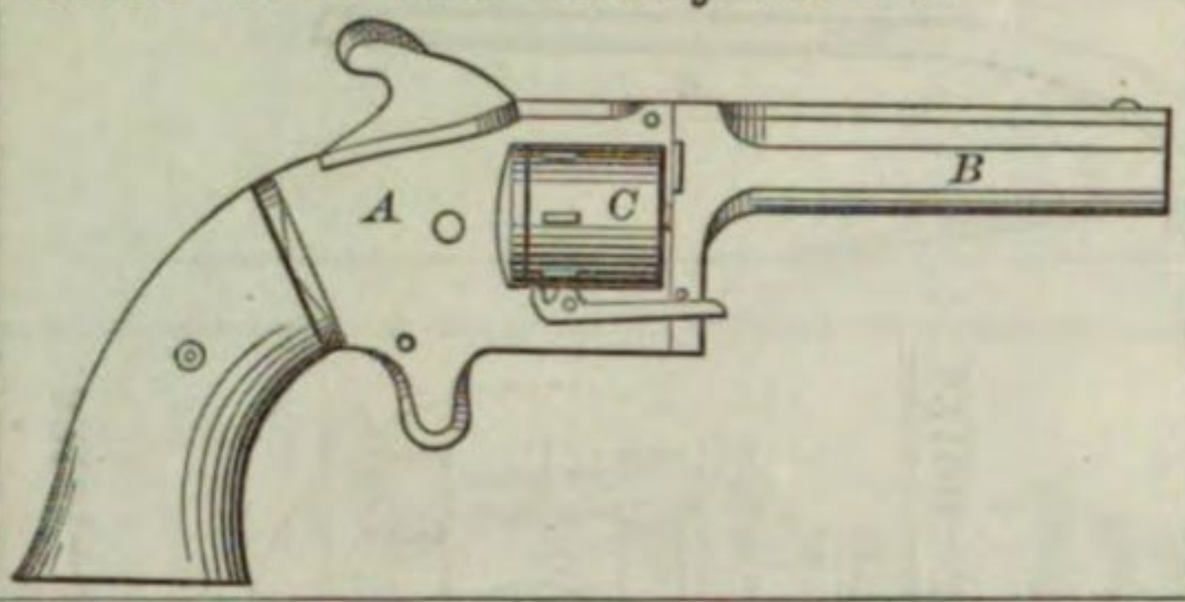




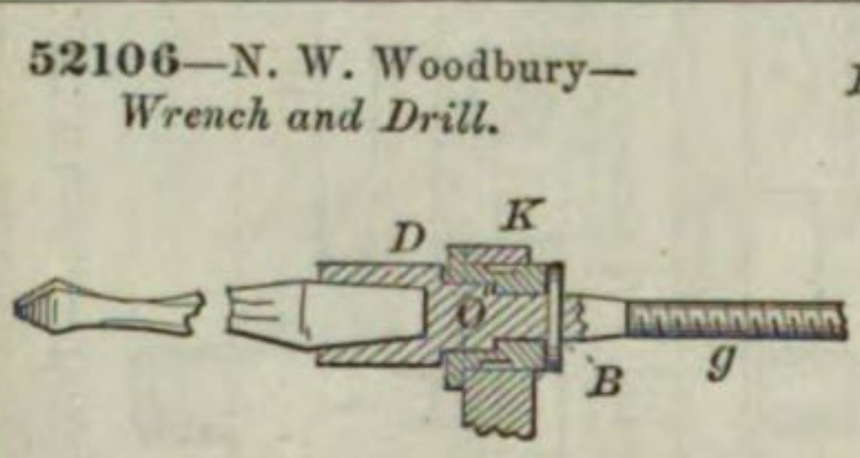
52104—T. Wolfe—
Sulky Plow.



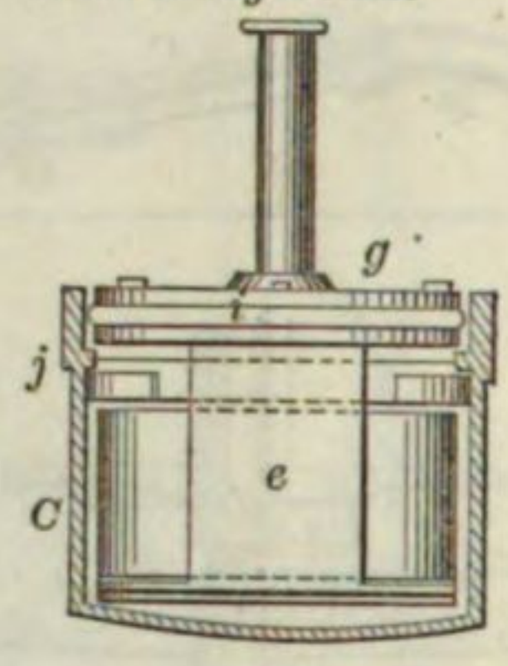
52105—S. W. Wood—*Cartridge Retracter.*

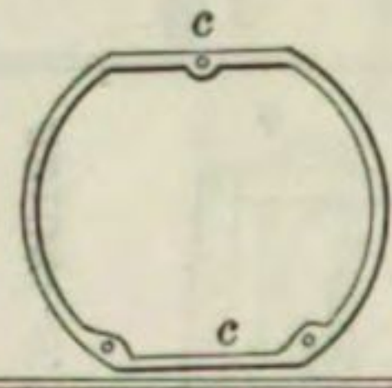


52106—N. W. Woodbury—
Wrench and Drill.

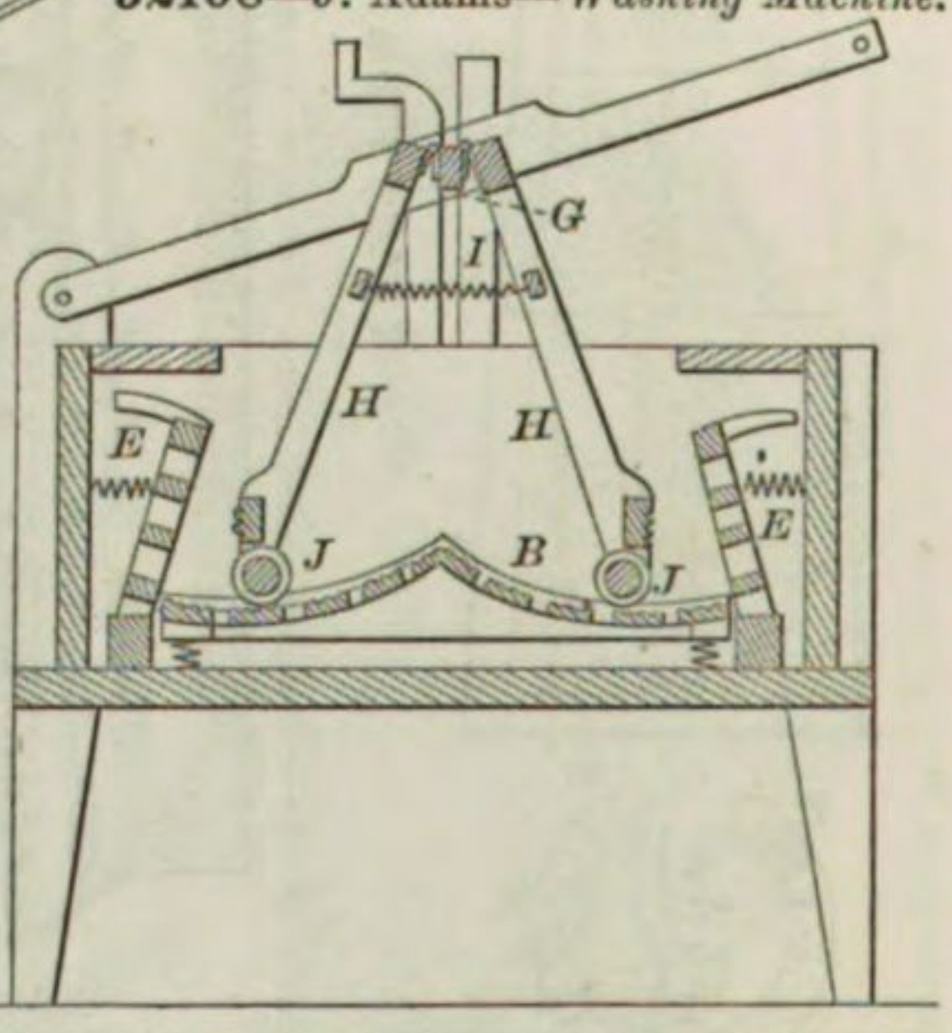


52107—A. B. Woodward—
Vulcanizing Flask.



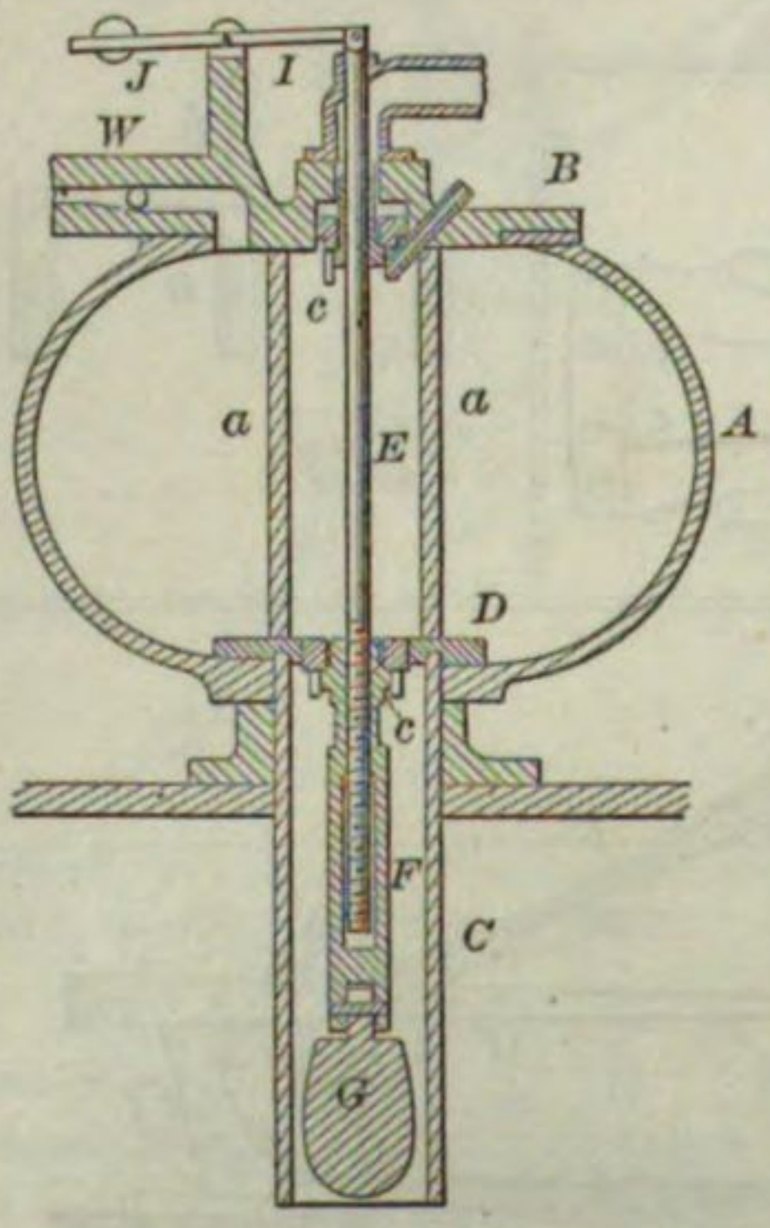


52108—J. Adams—*Washing Machine.*



52109—G. Anton—*Fan.*

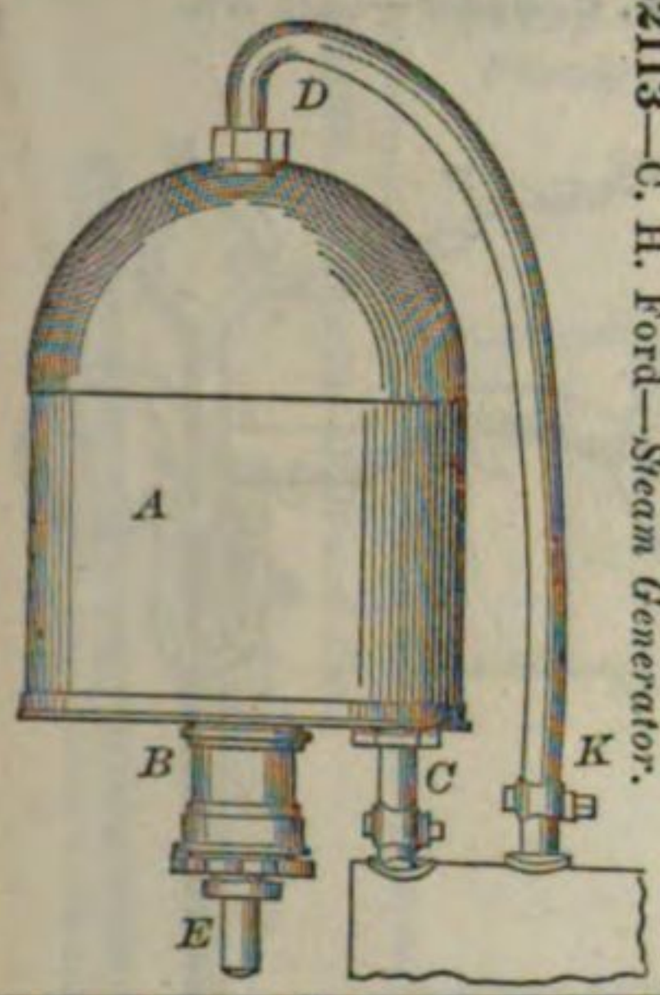
52111—J. B. Collen—*Steam Generator.*



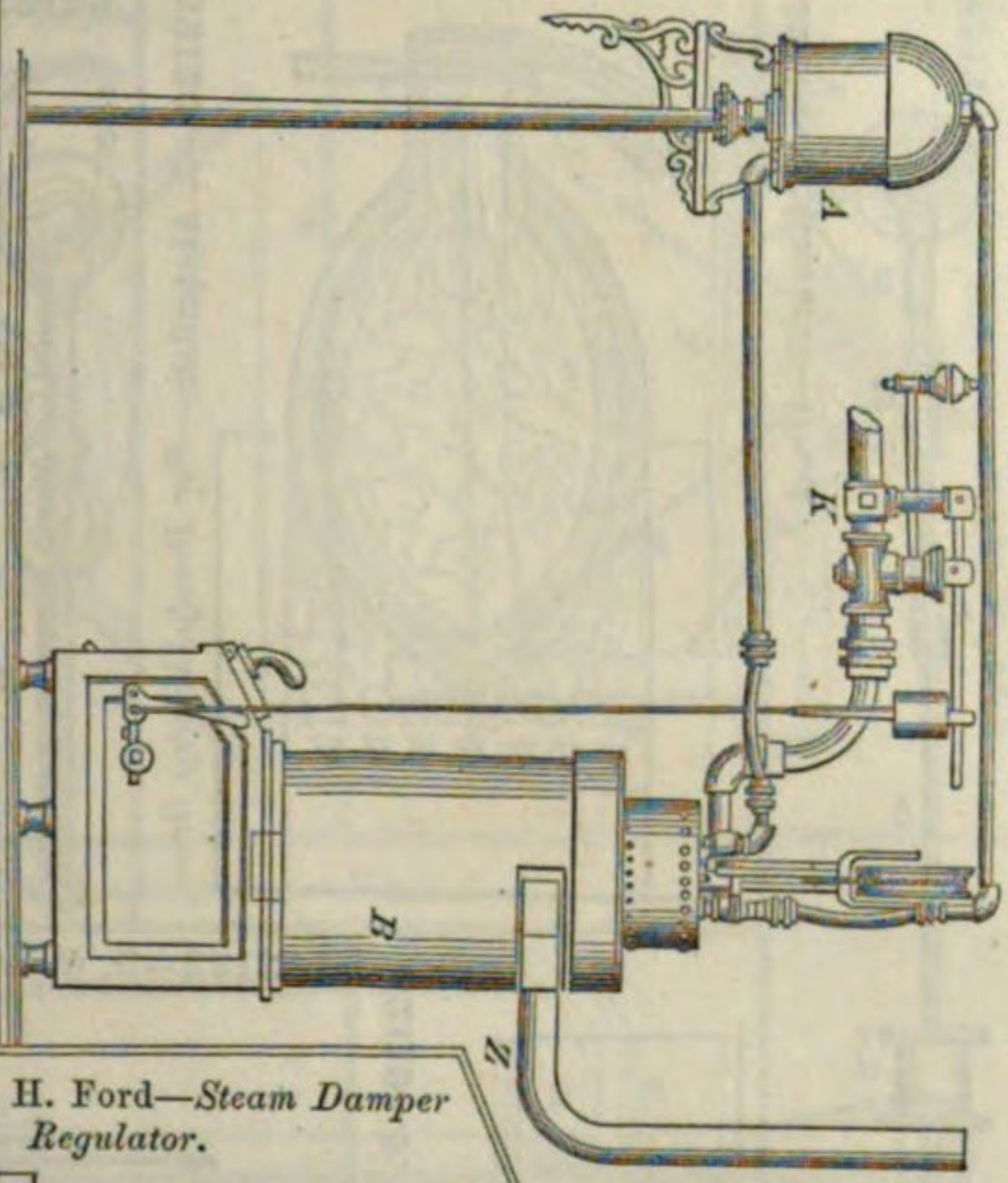
52110—J. C. Bailey—*Shoe.*

52112—S. P. Crafts—*Buckle.*

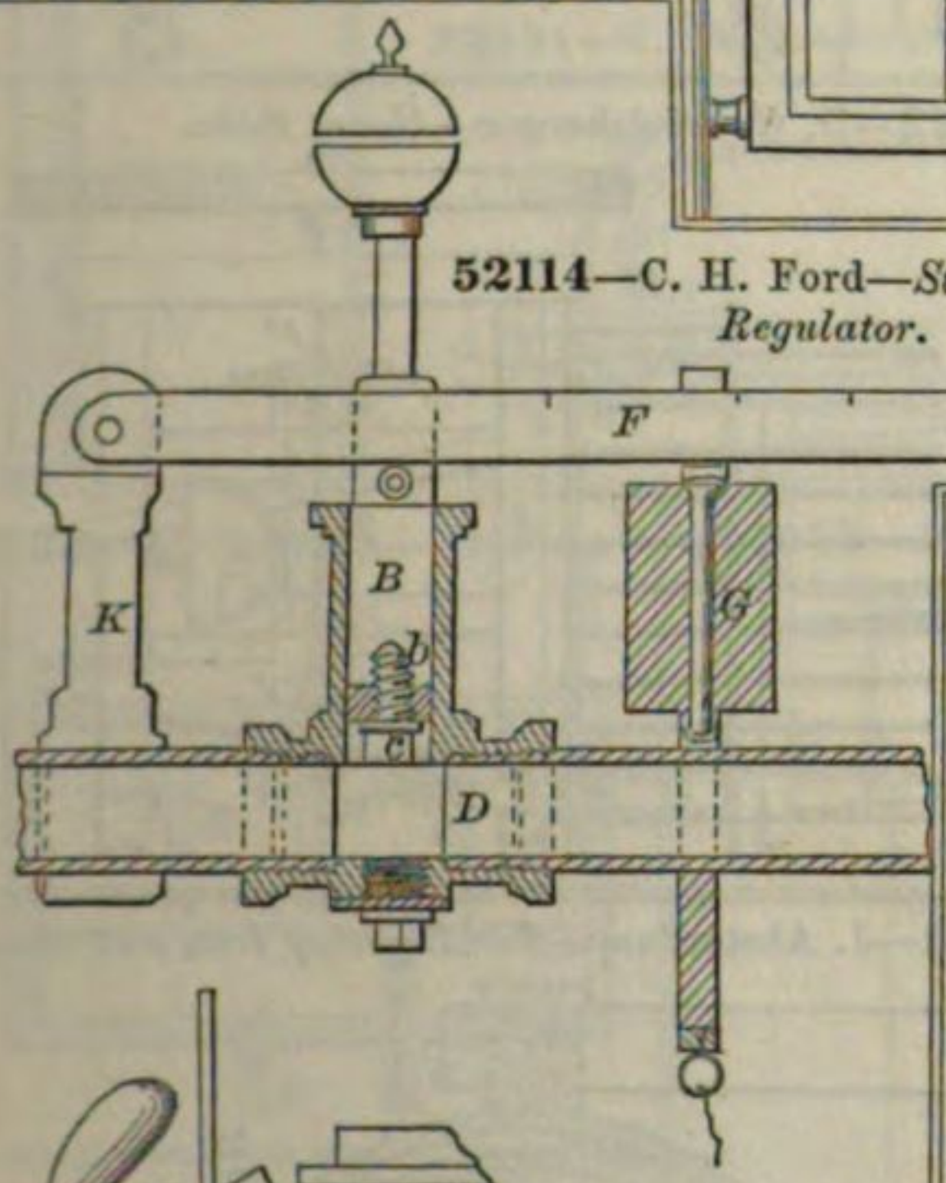
52113—C. H. Ford—*Steam Generator.*



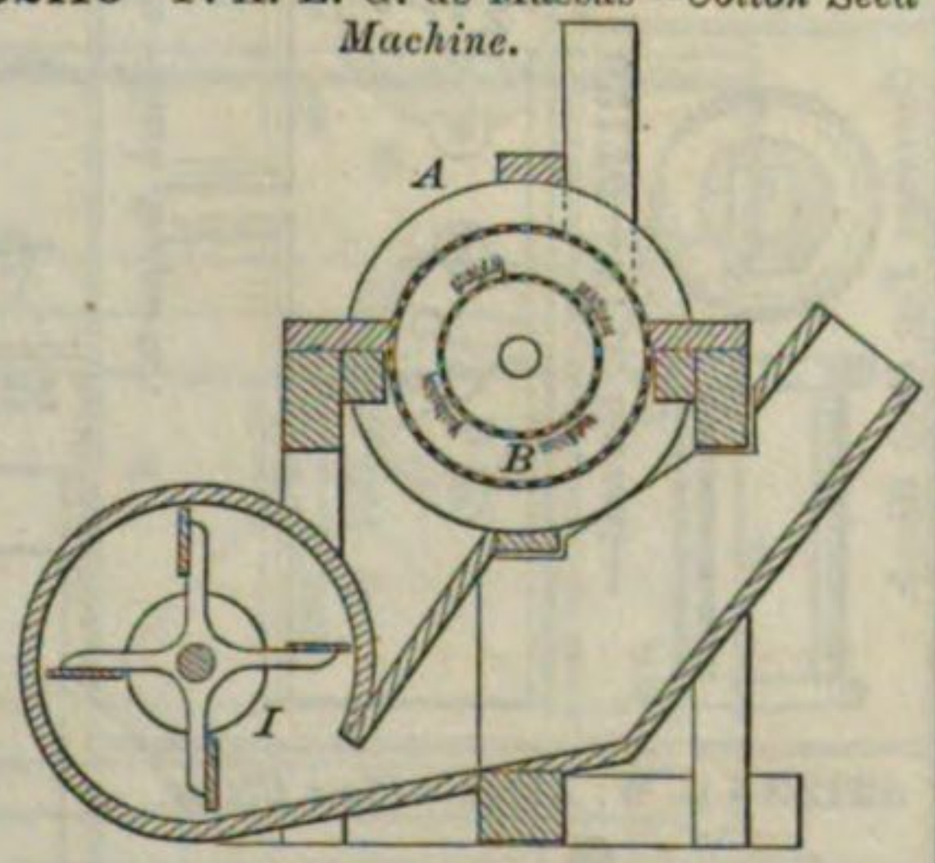
52115—C. H. Ford—*Steam Generator.*

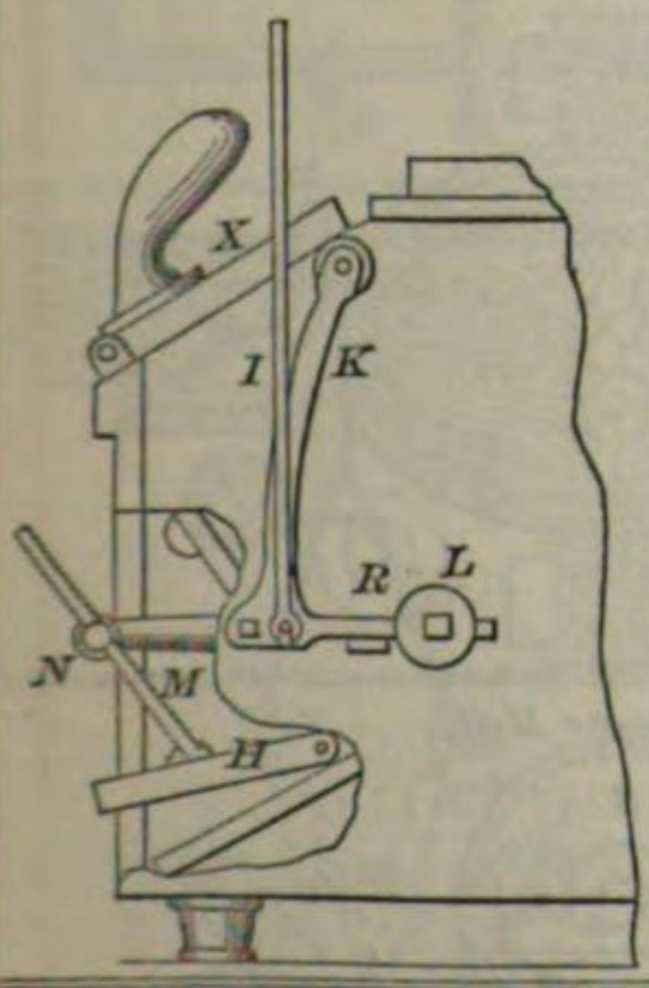


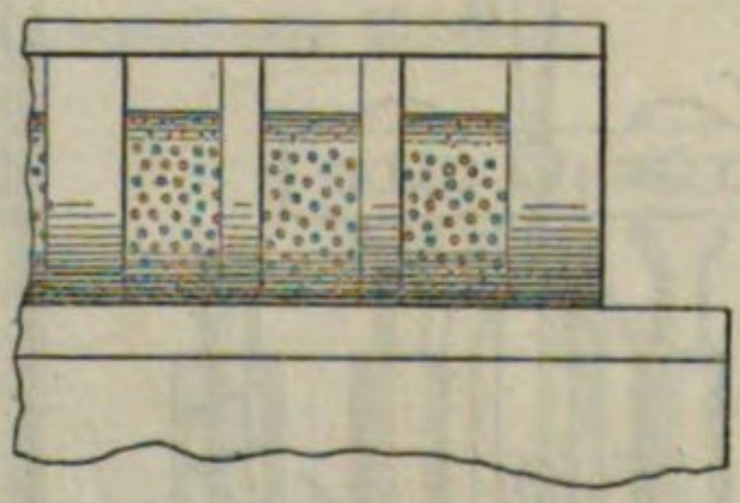
52114—C. H. Ford—*Steam Damper Regulator.*



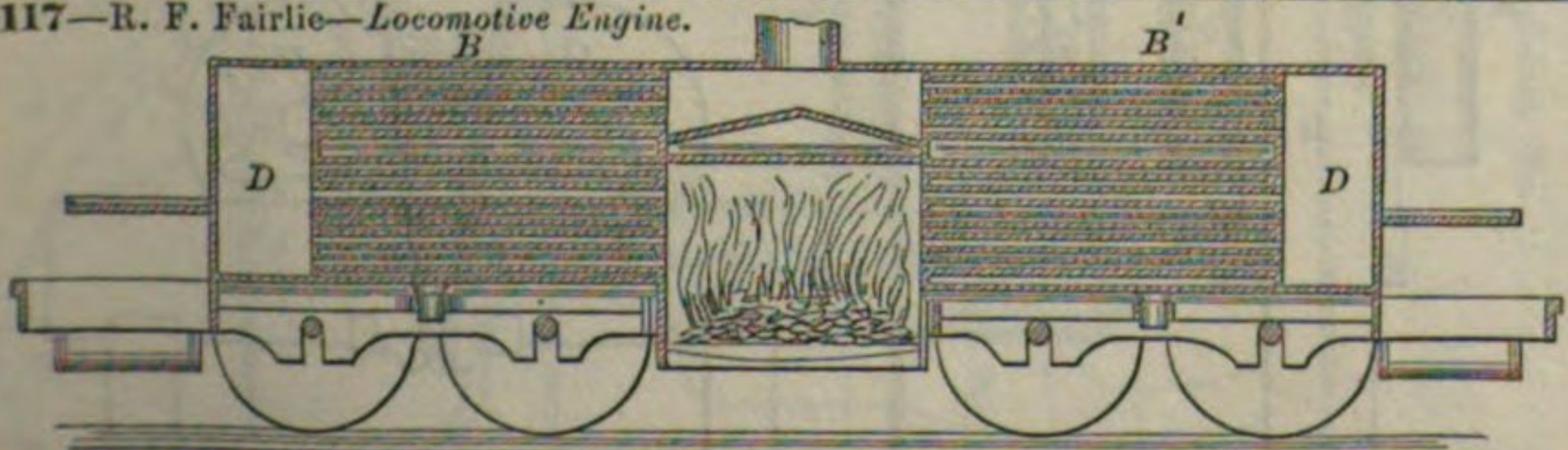
52116—F. A. E. G. de Massas—*Cotton Seed Machine.*





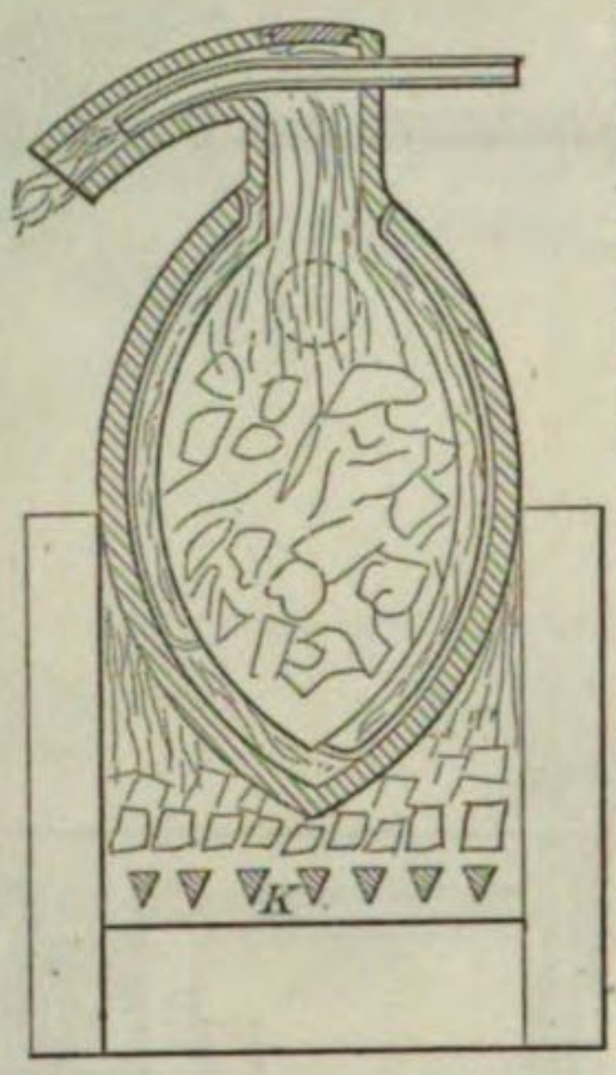


52117—R. F. Fairlie—*Locomotive Engine.*

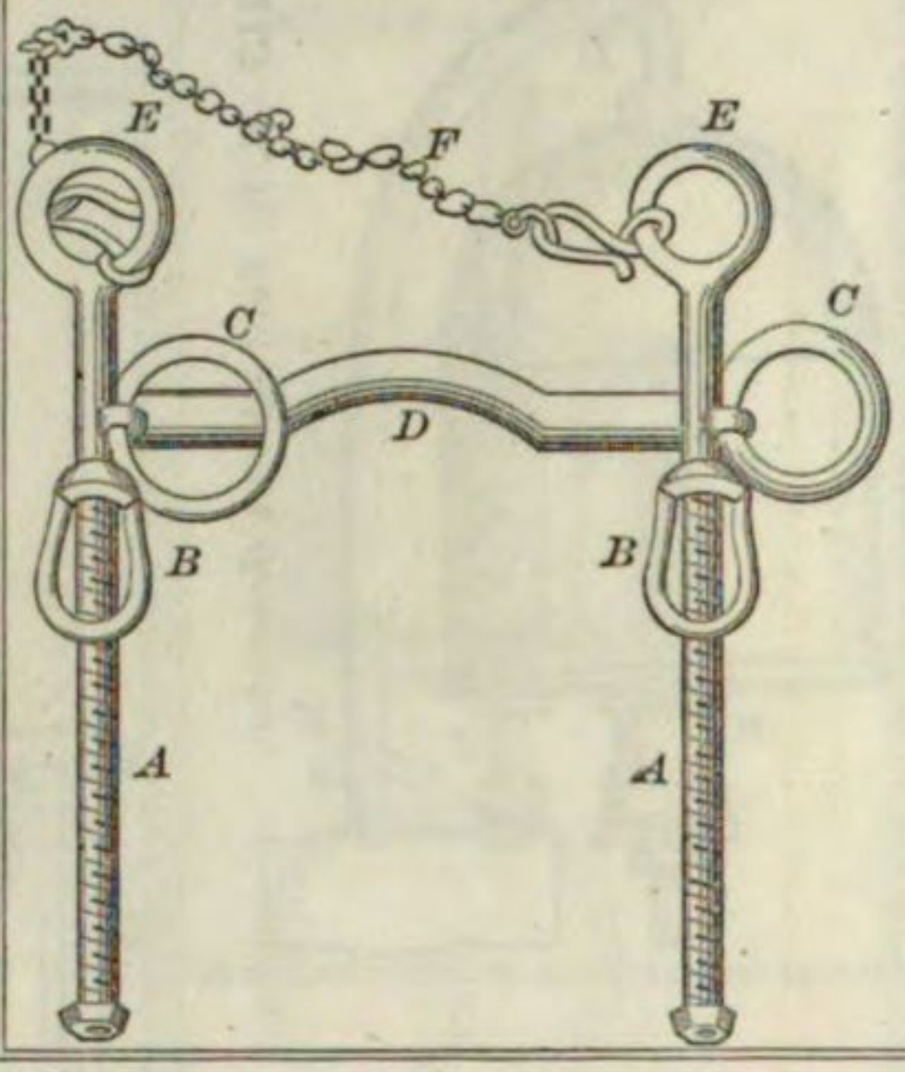


52118—J. Haworth—*Brush.*

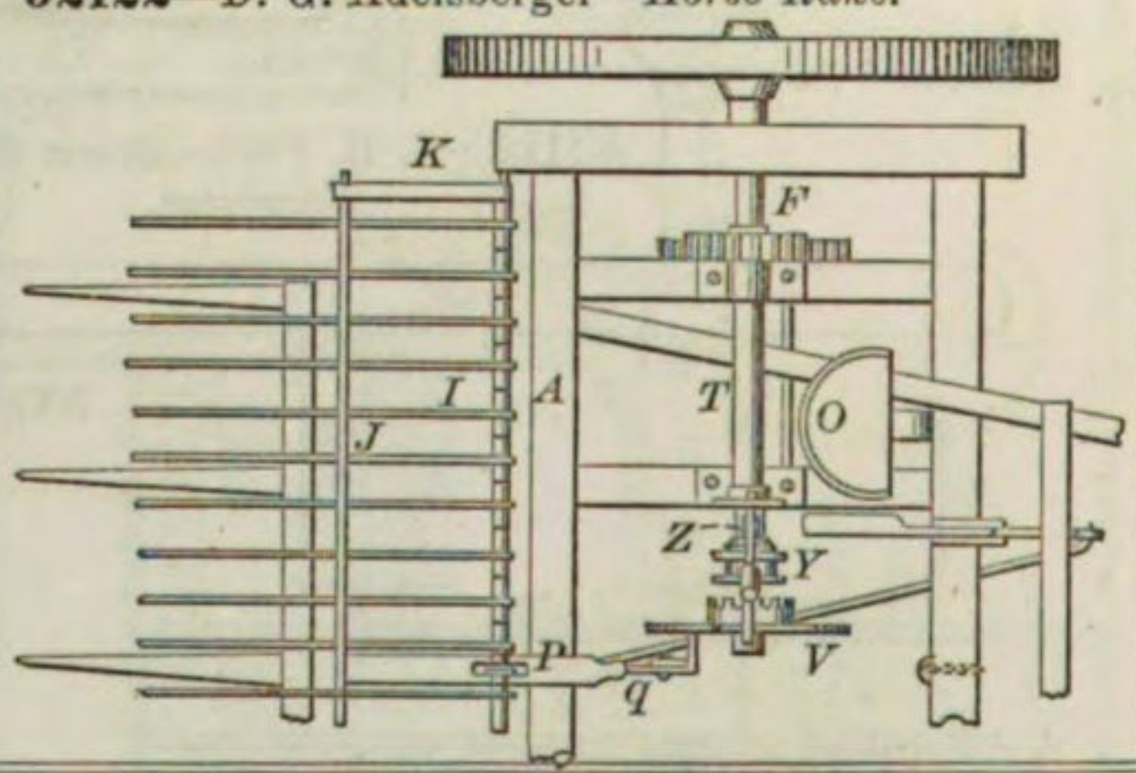
52120—J. Absterdam—*For Desulphurizing Ores.*



52125—W. C. Baker—*Curb Bit.*



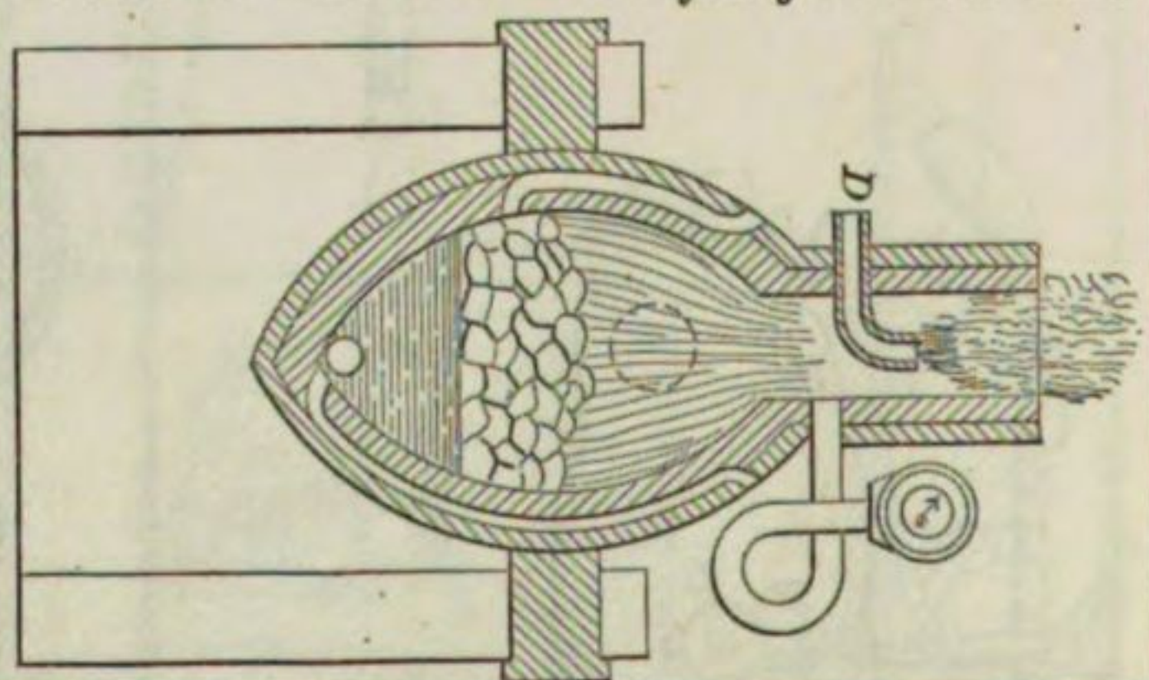
52122—D. G. Adelsberger—*Horse Rake.*



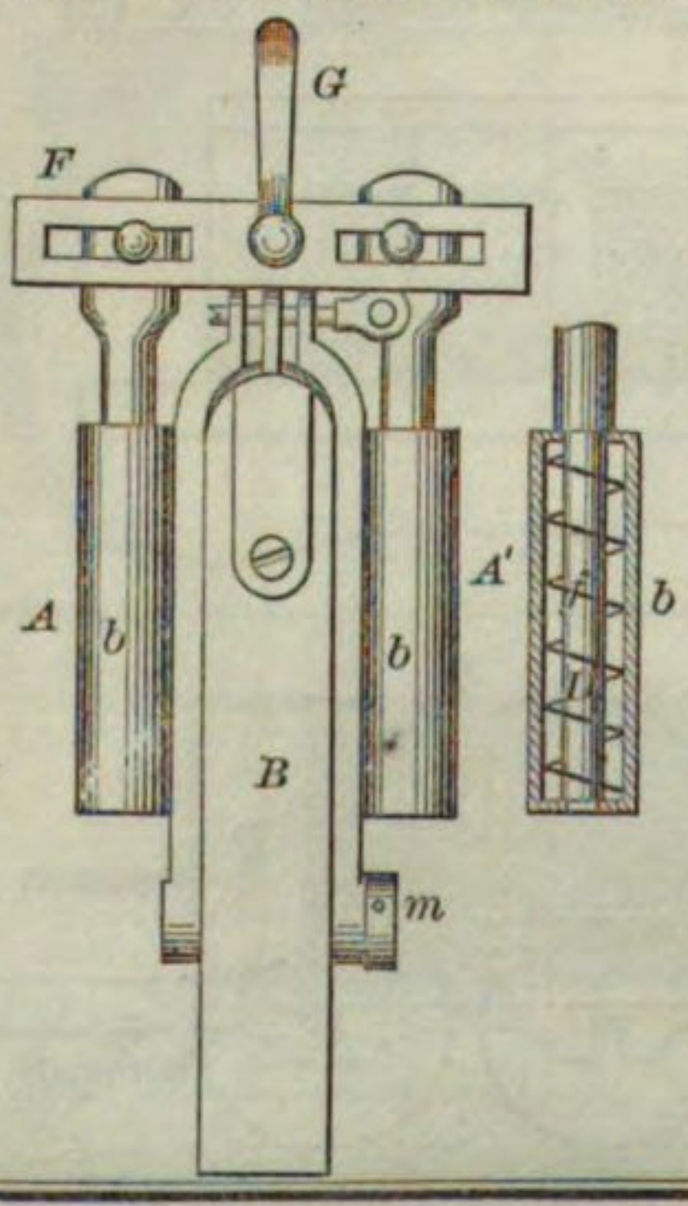
52119—F. P. Catlin—*Sash Supporter.*

52126—W. N. Barnett—*Carriage Top Prop Block.*

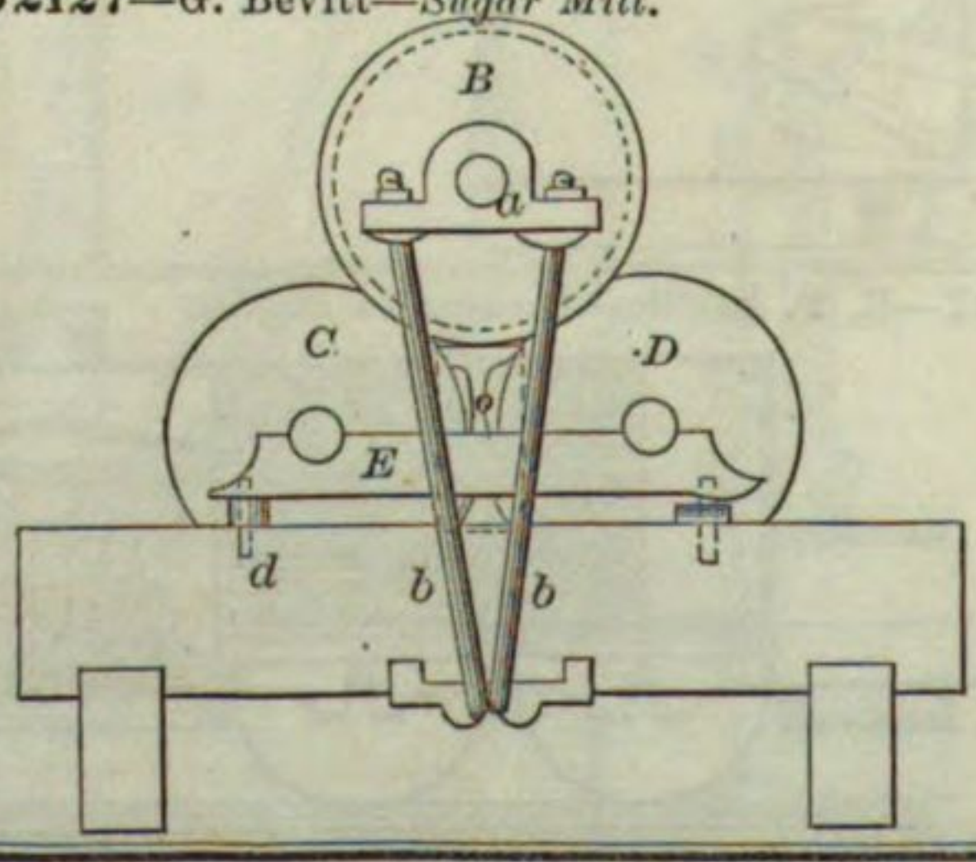
52121—J. Absterdam—*For Refining Iron and Steel.*



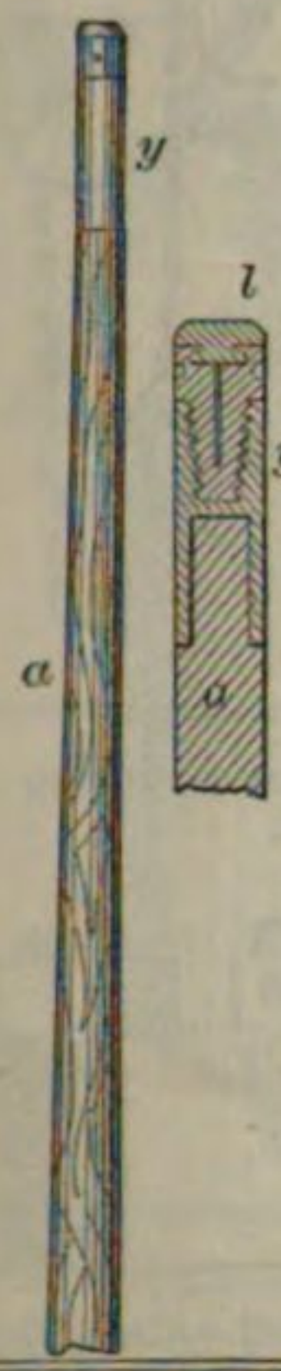
52123—L. W. Alden—*Plow Clevis.*



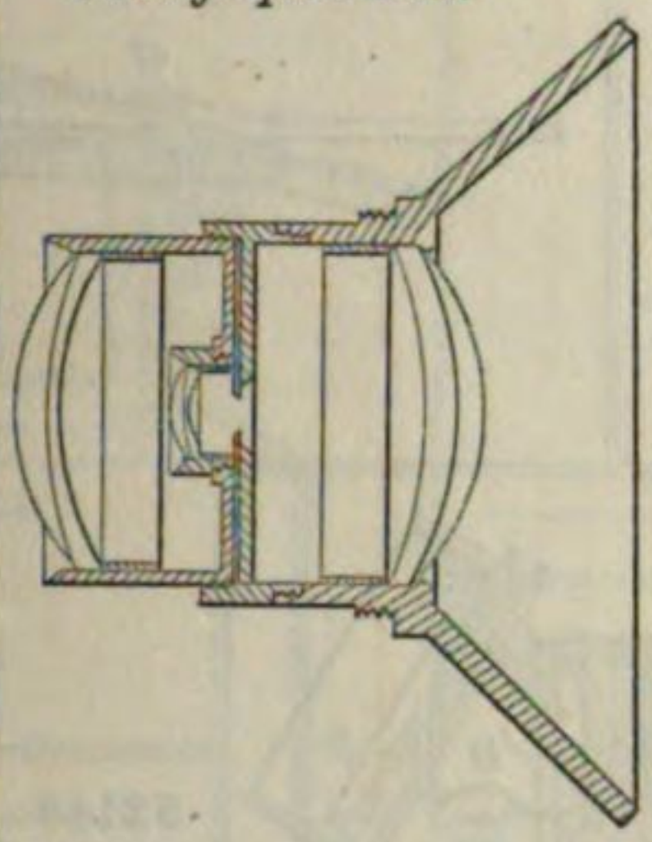
52127—G. Bevitt—*Sugar Mill.*



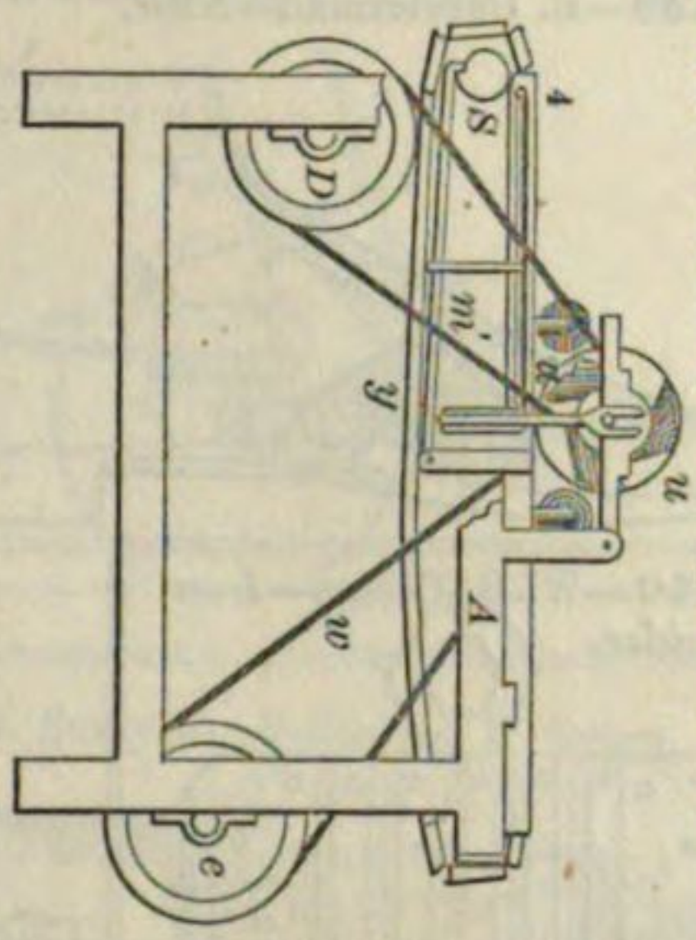
52128—G. Bevitt—*Billiard Cue.*



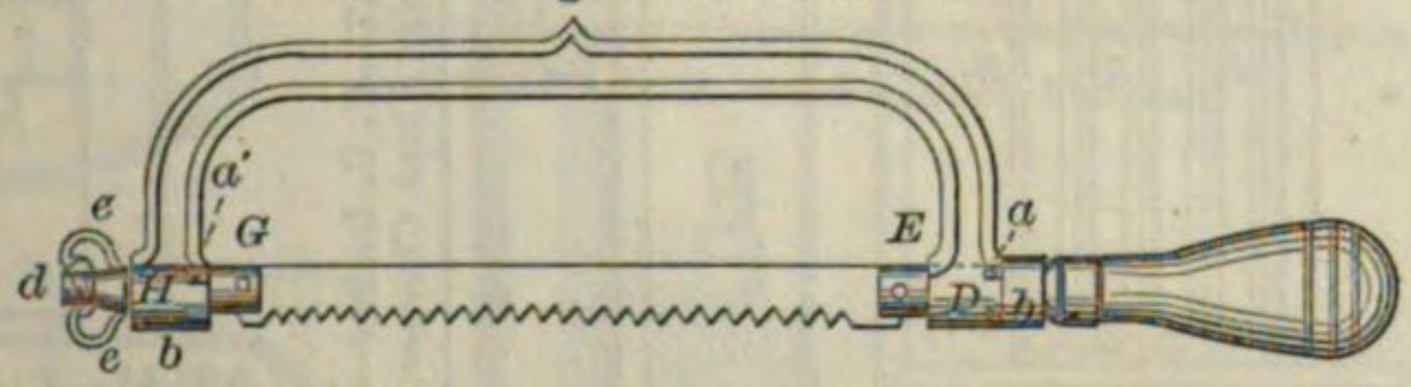
52129—C. B. Boyle—*Photographic Lens.*



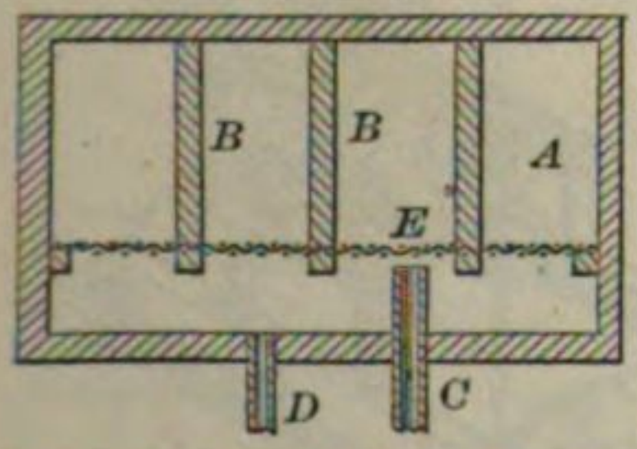
52130—R. H. Boynton—*Spoke Machine.*



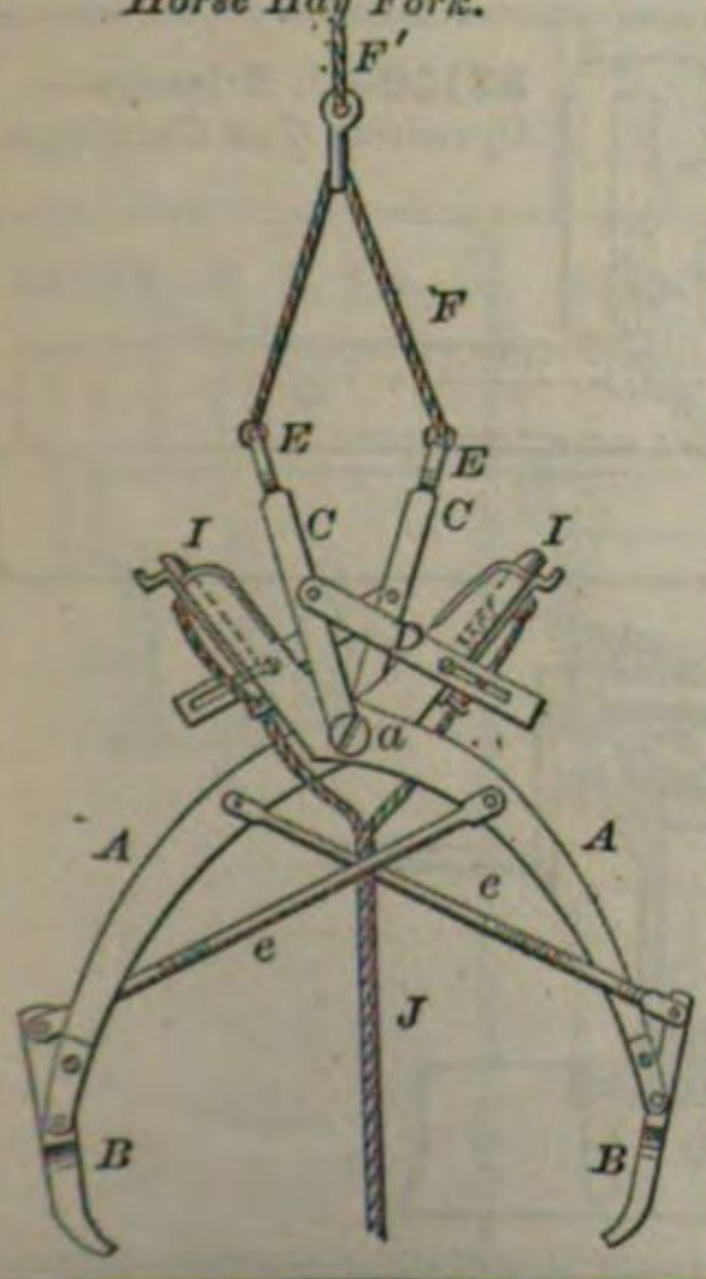
52131—R. M. Breckenridge—*Hand Saw.*



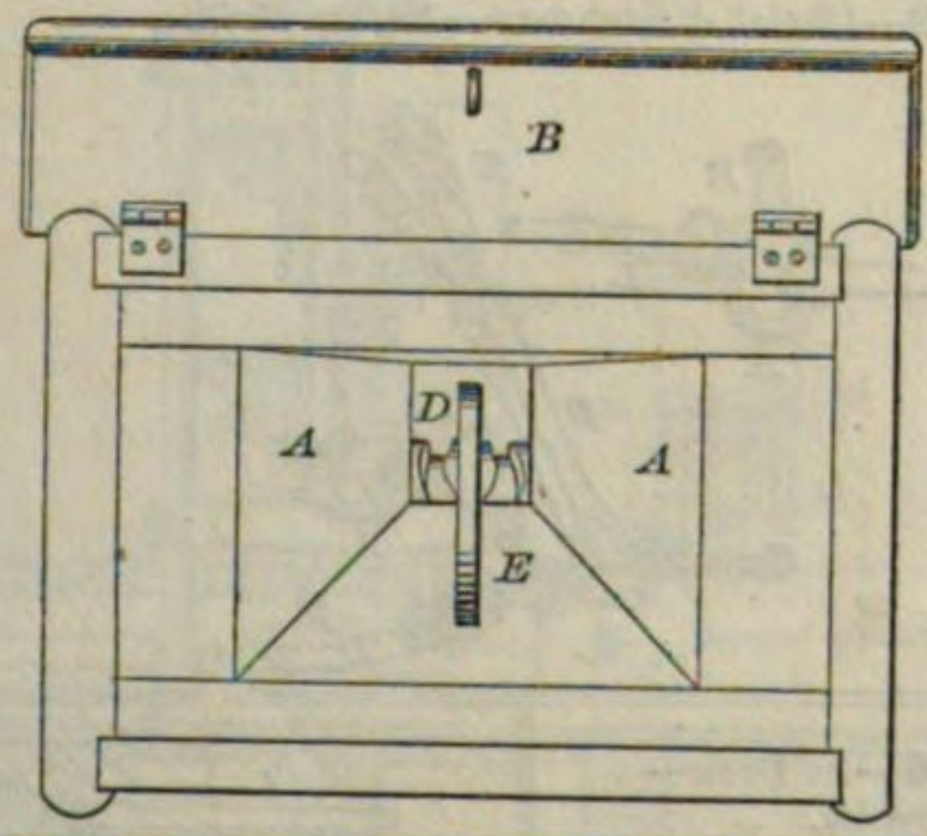
52133—A. C. Brush—*Treating Fur.*



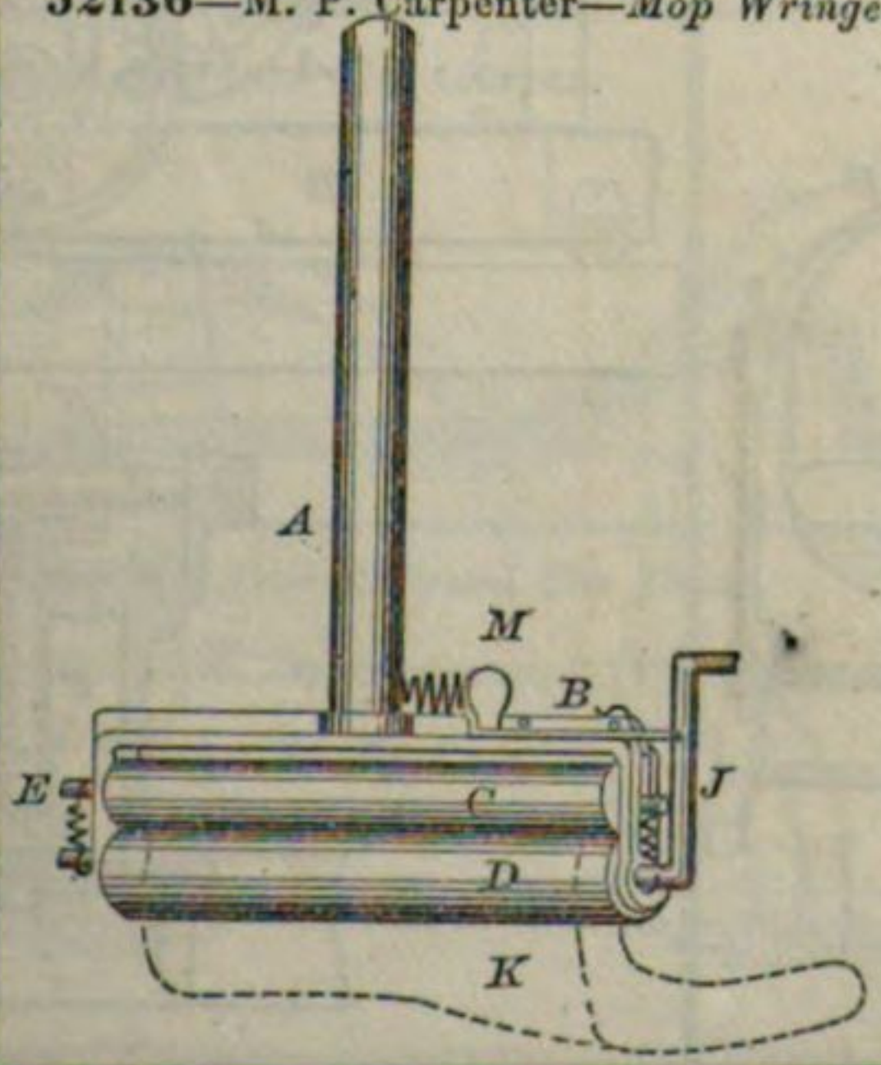
52134—E. & A. Buckman—*Horse Hay Fork.*



52135—H. Bundel—*Seeding Machine.*

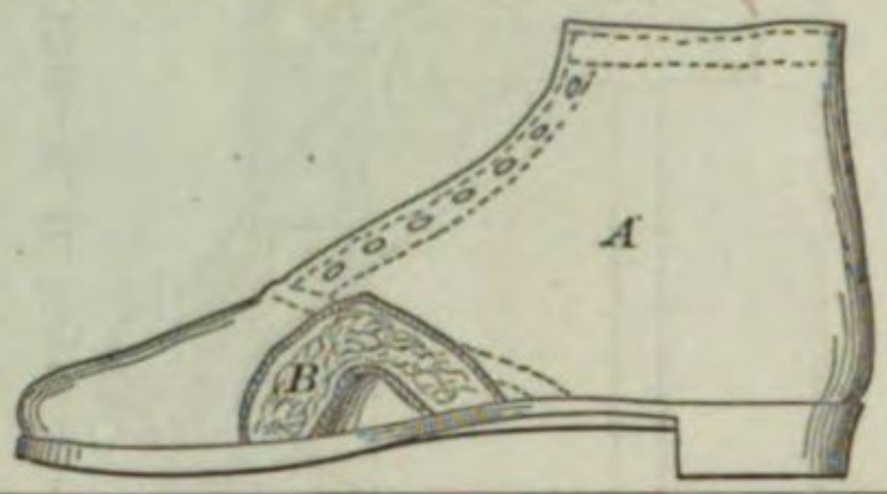


52136—M. P. Carpenter—*Mop Wringer.*

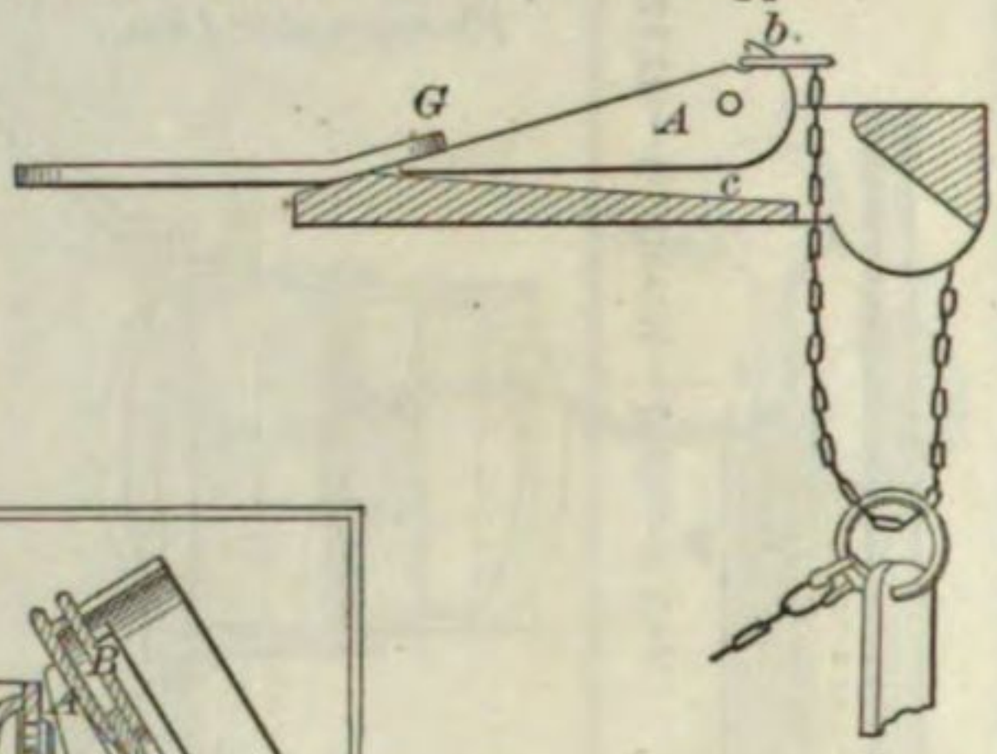


52137—W. I. Carroll—*Cotton Tie.*

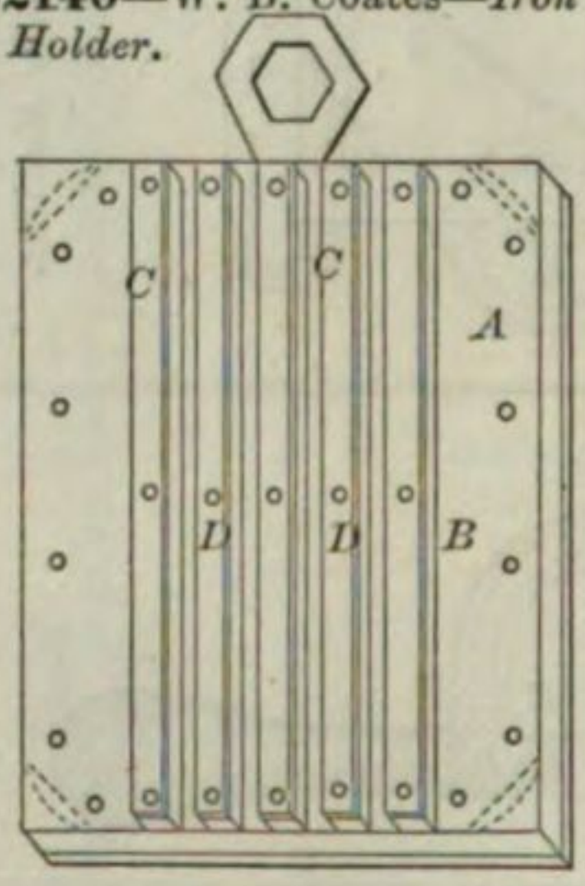
52138—E. Chesterman—*Shoe.*



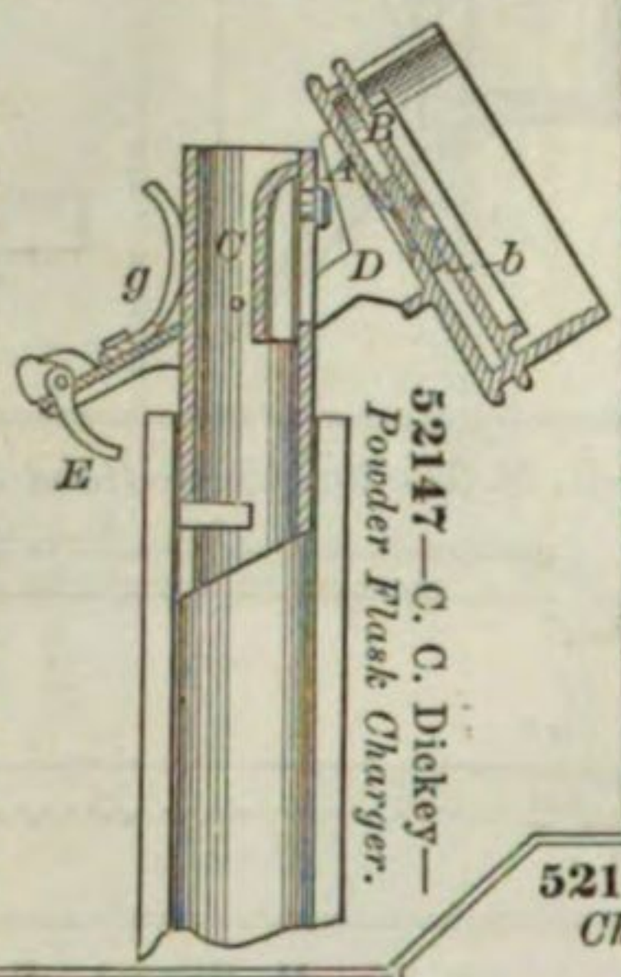
52143—E. Davidson—*Anchor Tripper.*



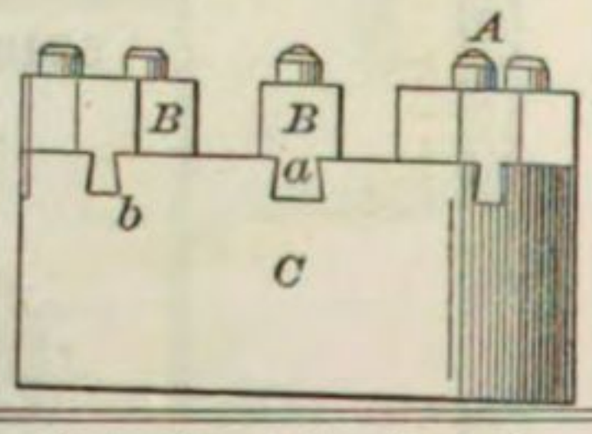
52140—W. B. Coates—*Iron Holder.*



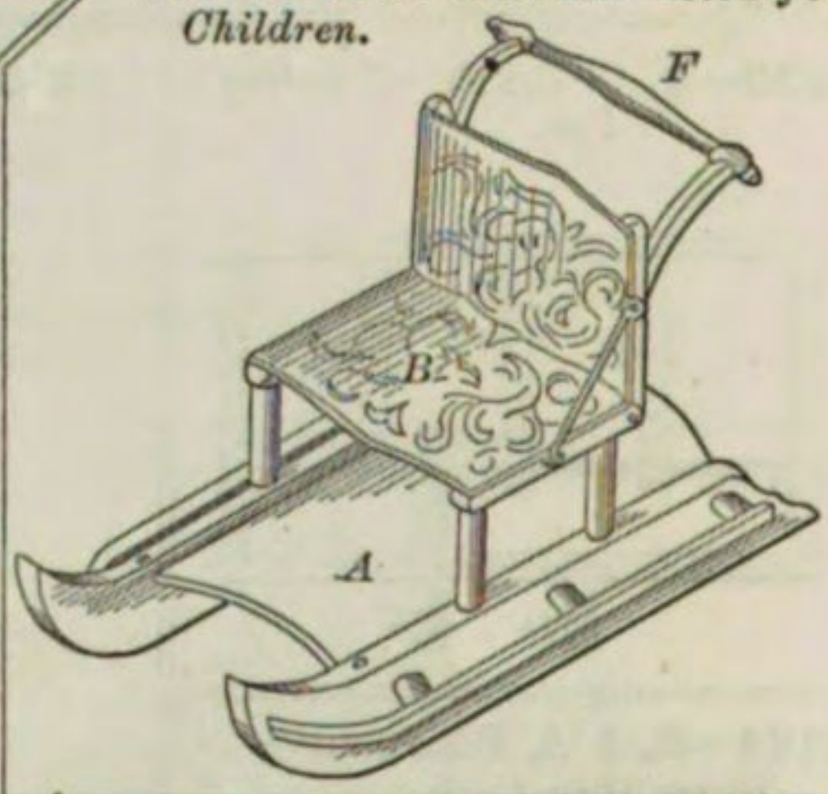
52147—C. C. Dickey—*Powder Flask Charger.*



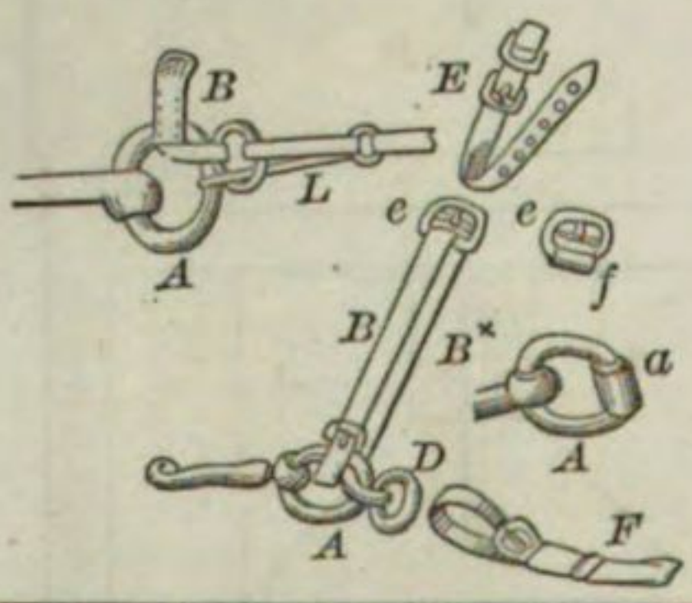
52148—L. Dow—*Drilling Tool.*



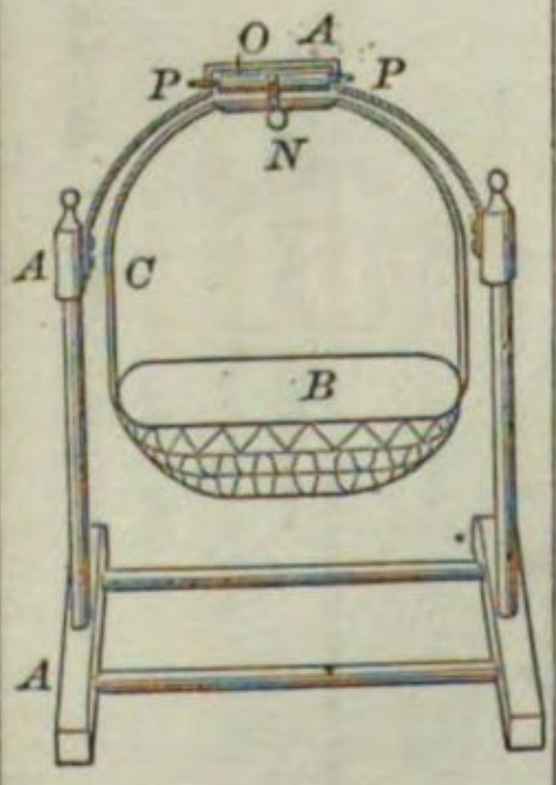
52141—J. A. Crandall—*Sled for Children.*



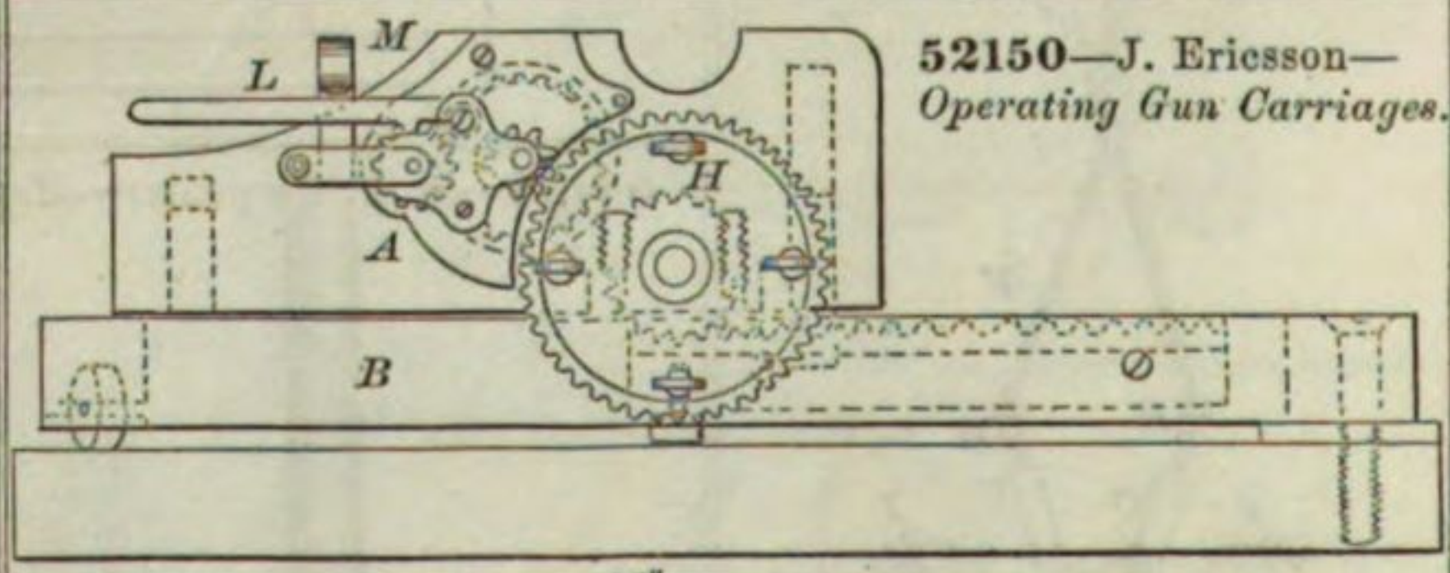
52139—Christ & Stehman—*Safety Bridle.*



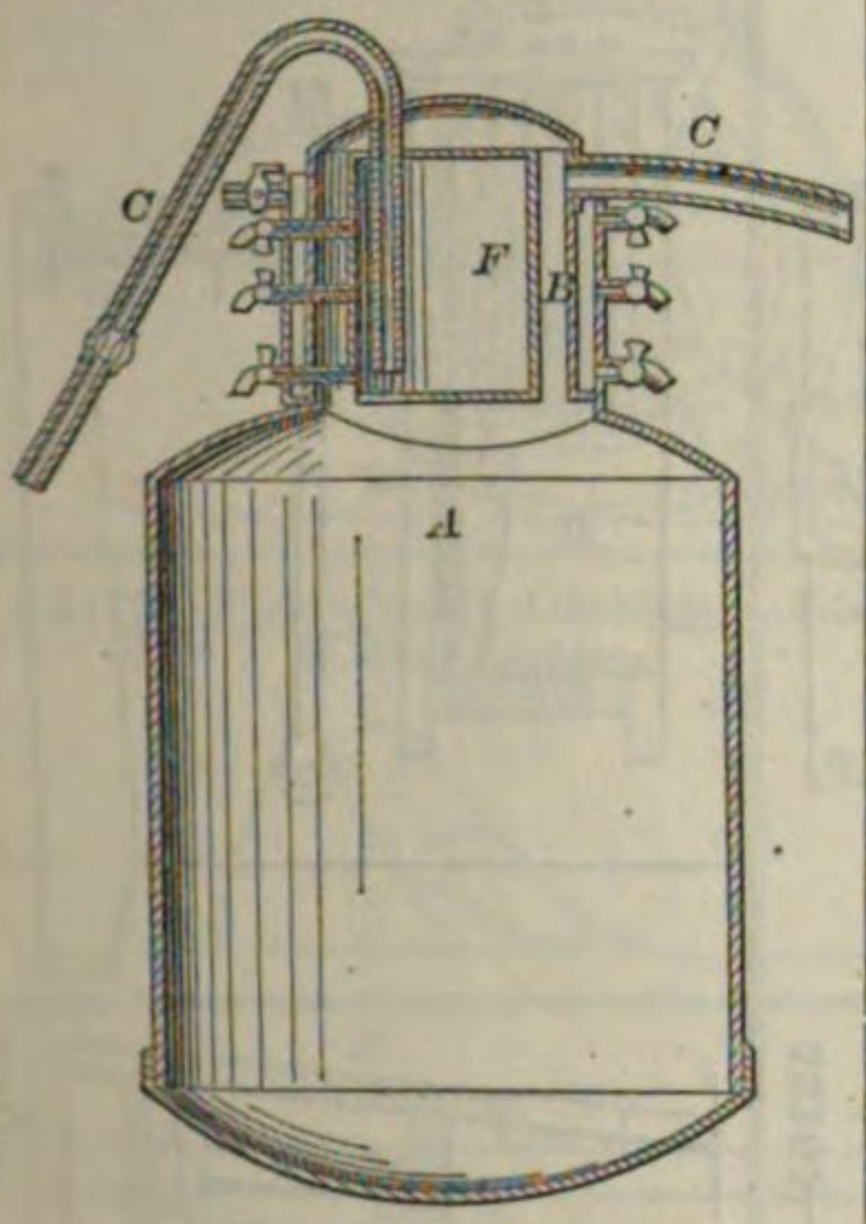
52146—A. Dick—*Cradle.*



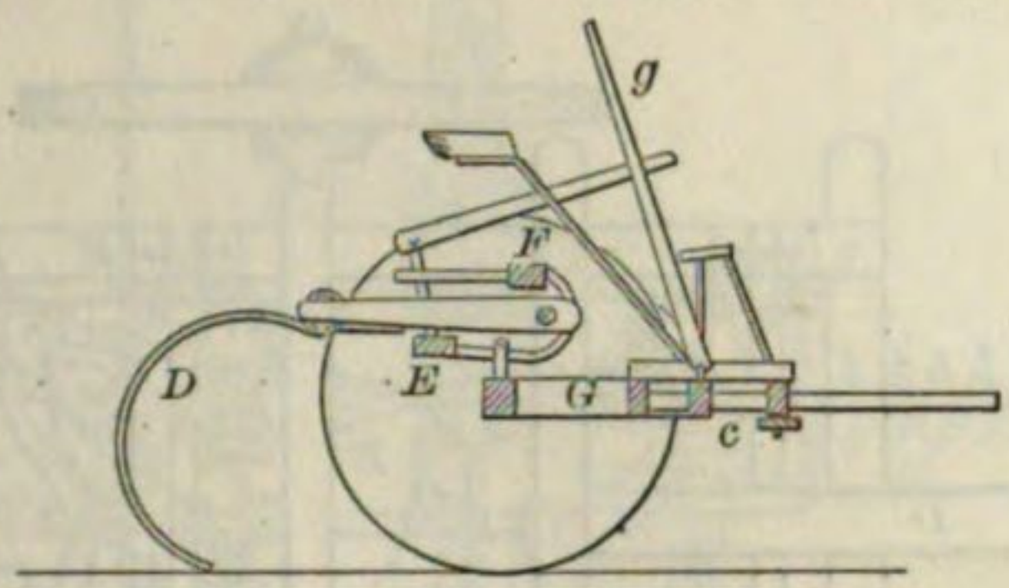
52150—J. Ericsson—*Operating Gun Carriages.*



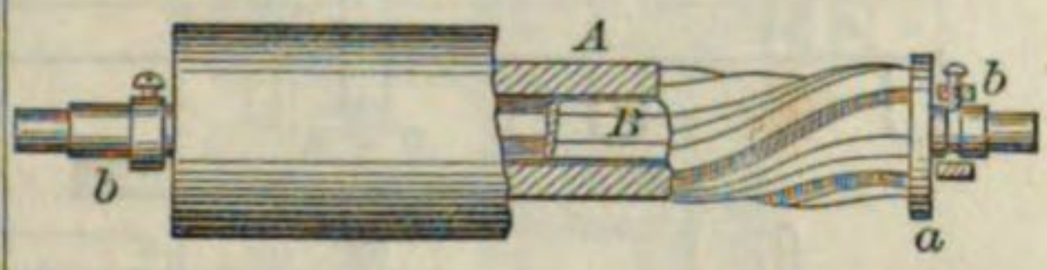
52151—L. S. Fales—*For the Distillation of Tar, &c.*



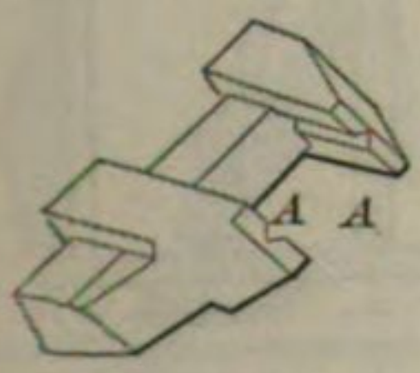
52152—C. H. Finson—*Horse Rake.*



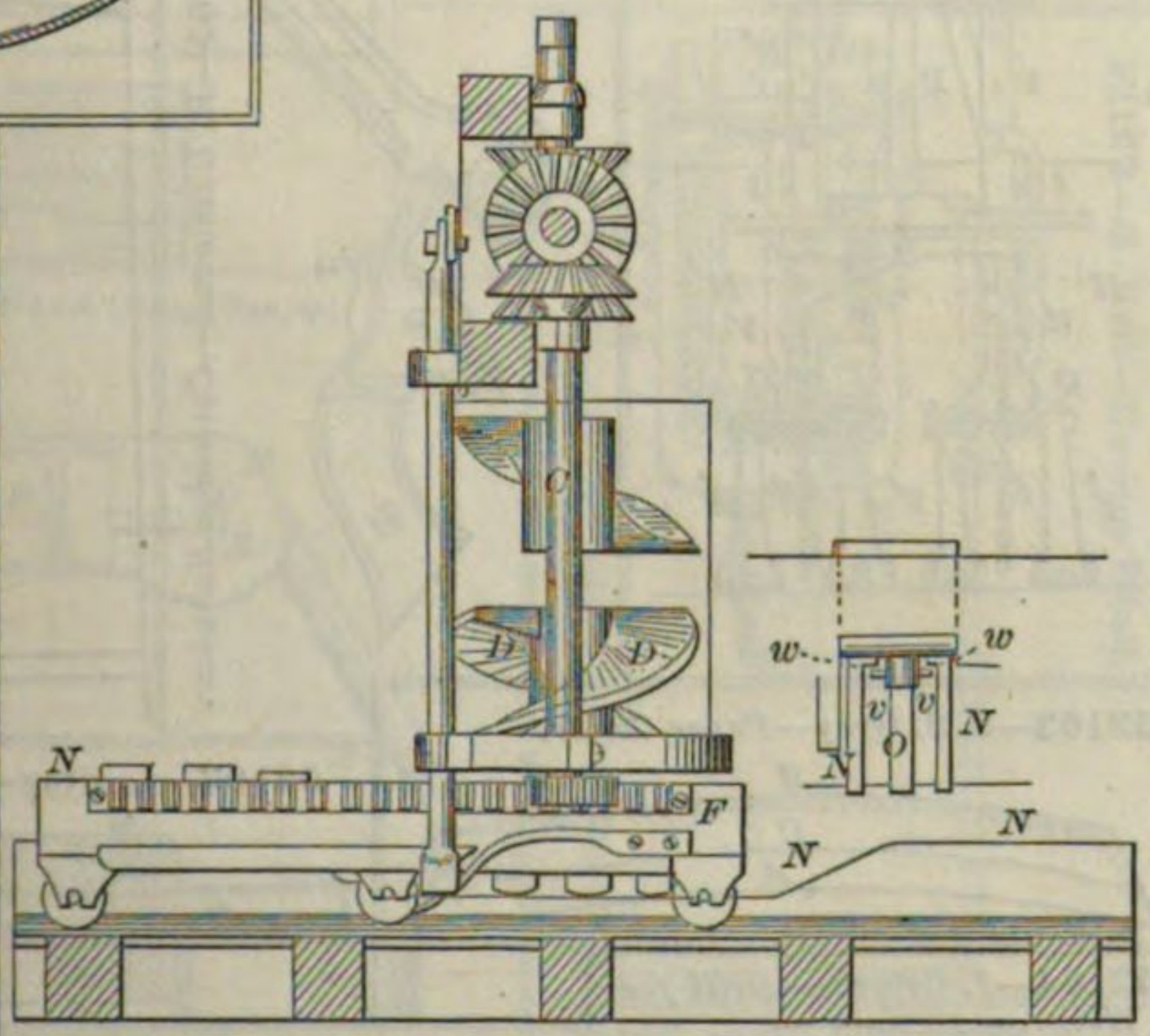
52153—J. B. Forsyth—*Roller for Wringers.*



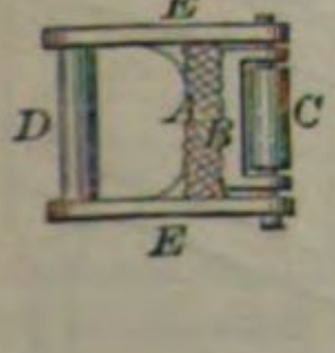
52155—E. P. Furlong—*Wrench.*



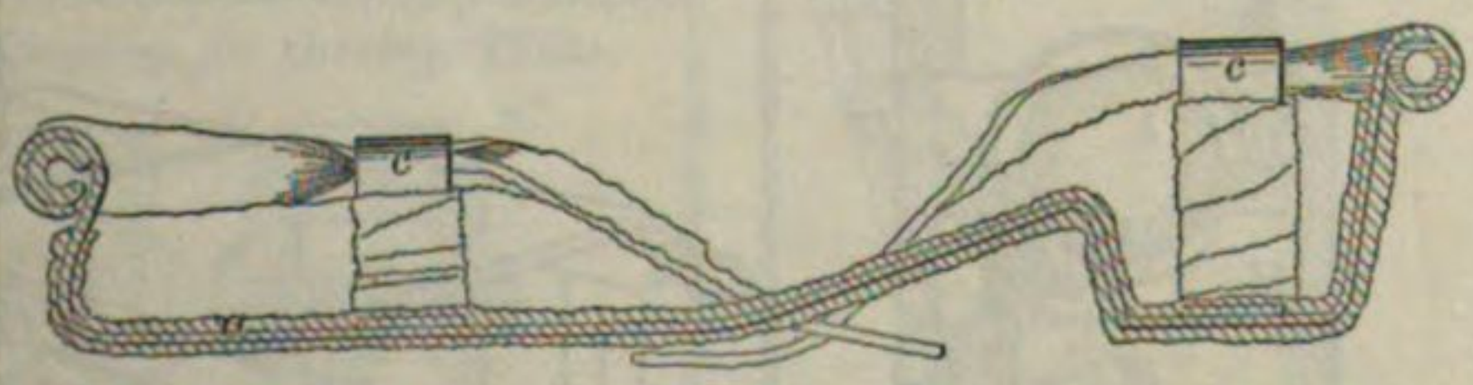
52156—E. R. Gard—*Brick Machine.*



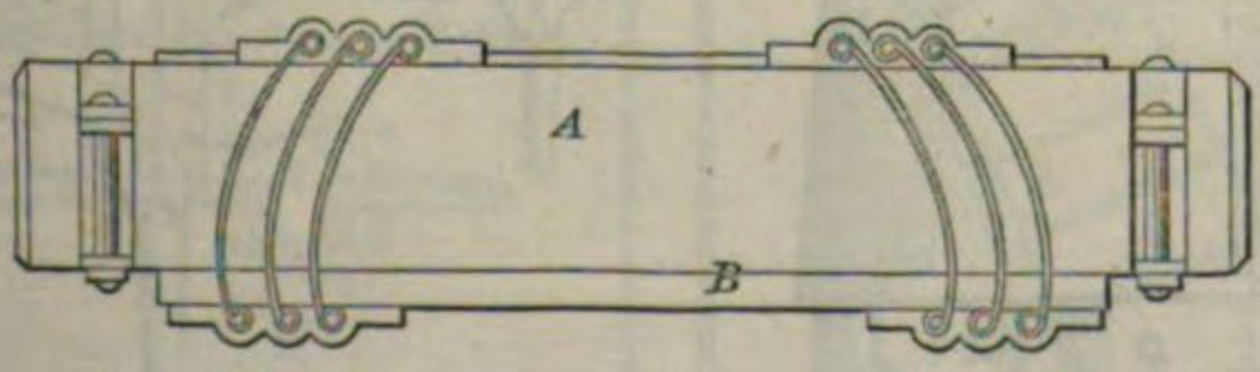
52154—R. E. Frye—*Buckle.*



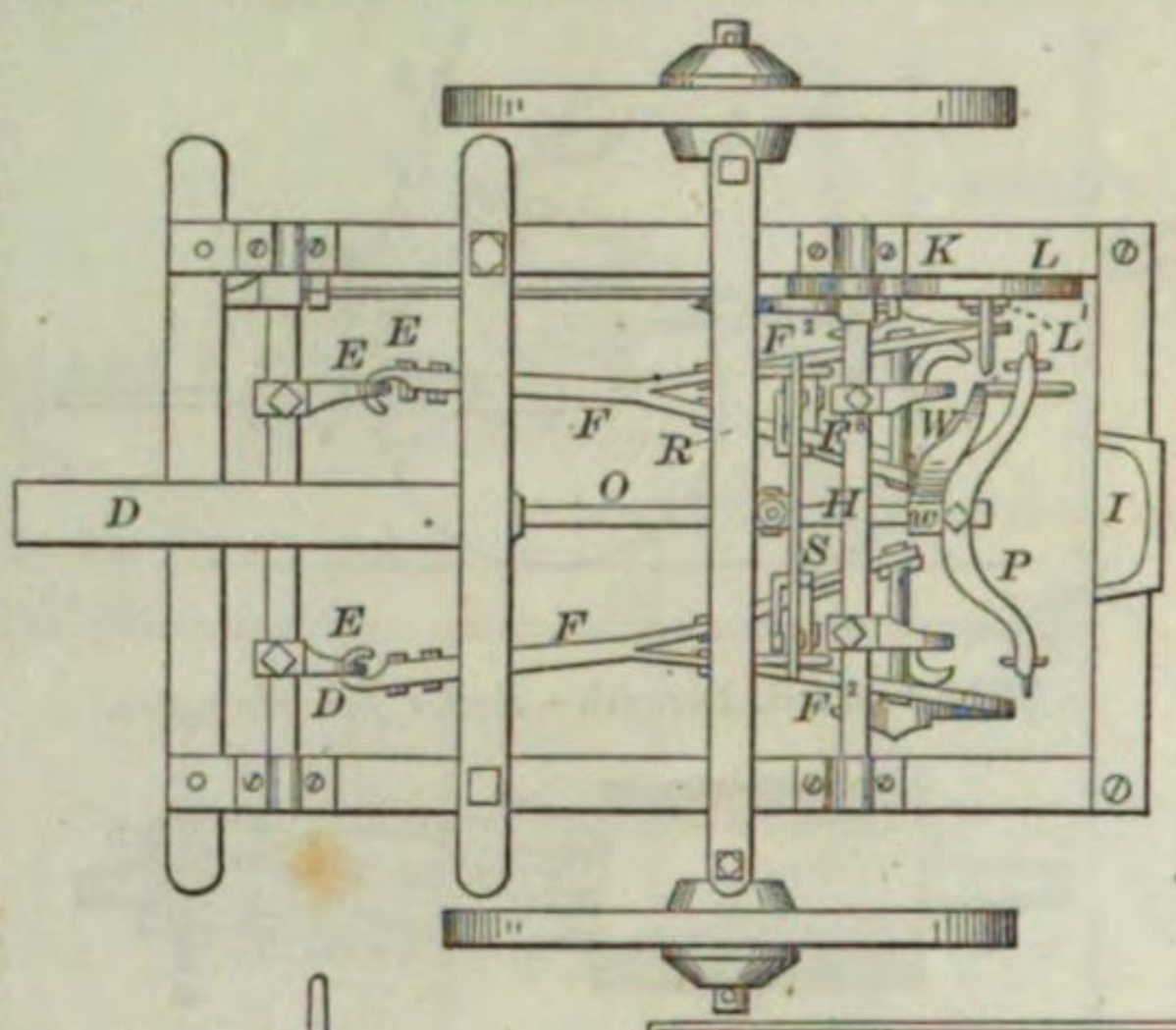
52157—E. M. Gardner—*Ice Creeper.*

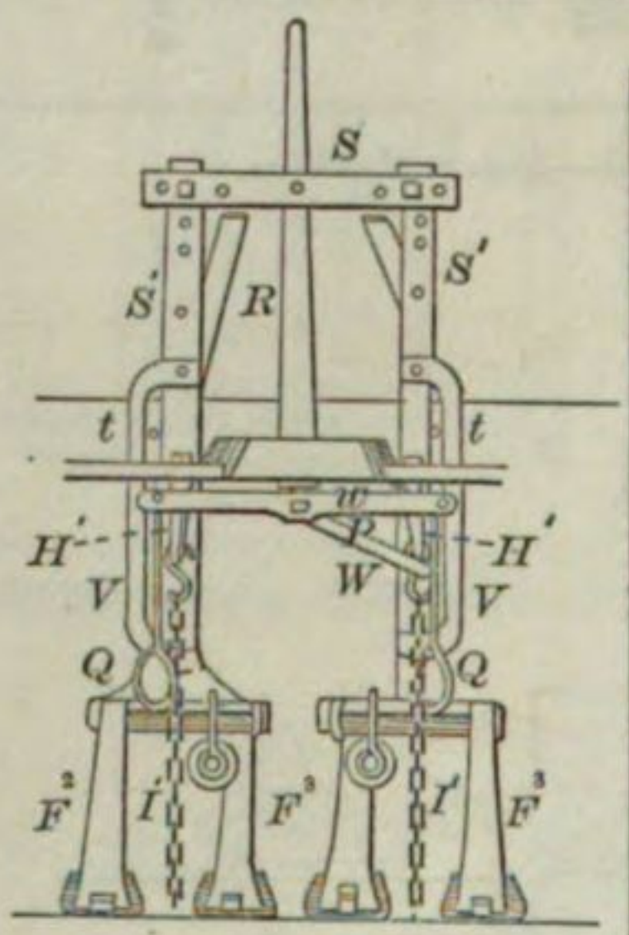


52158—J. L. Gill, Jr.—*Railroad Car Truck.*

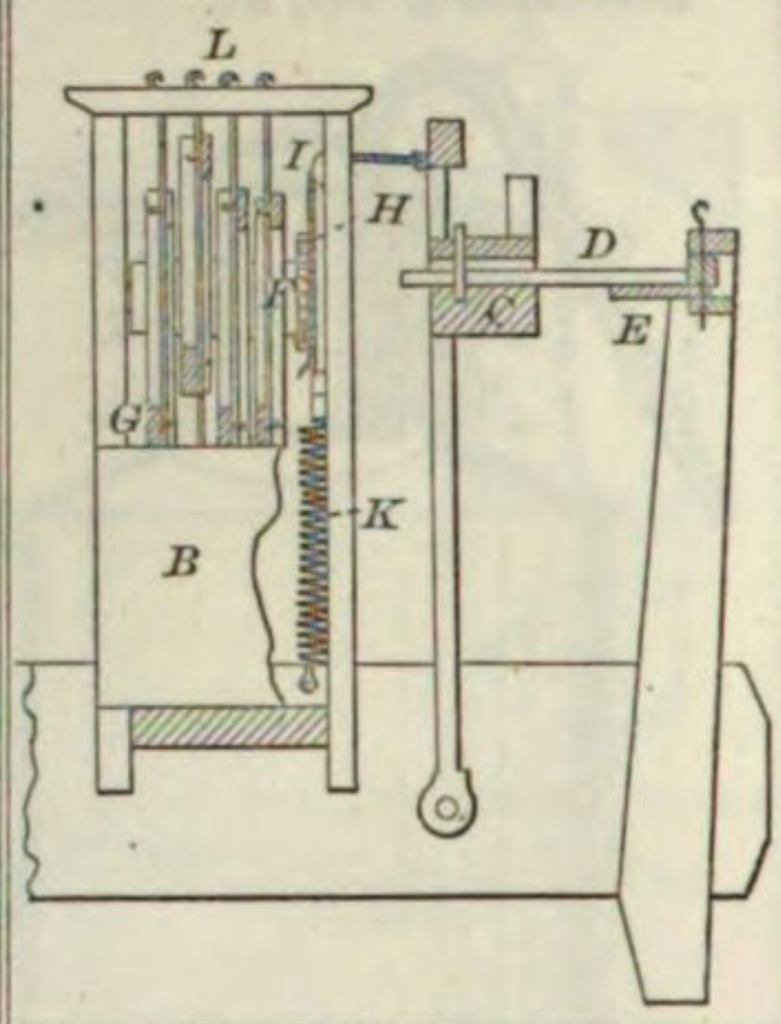


52159—J. S. Gilmore—*Cultivator Plow.*

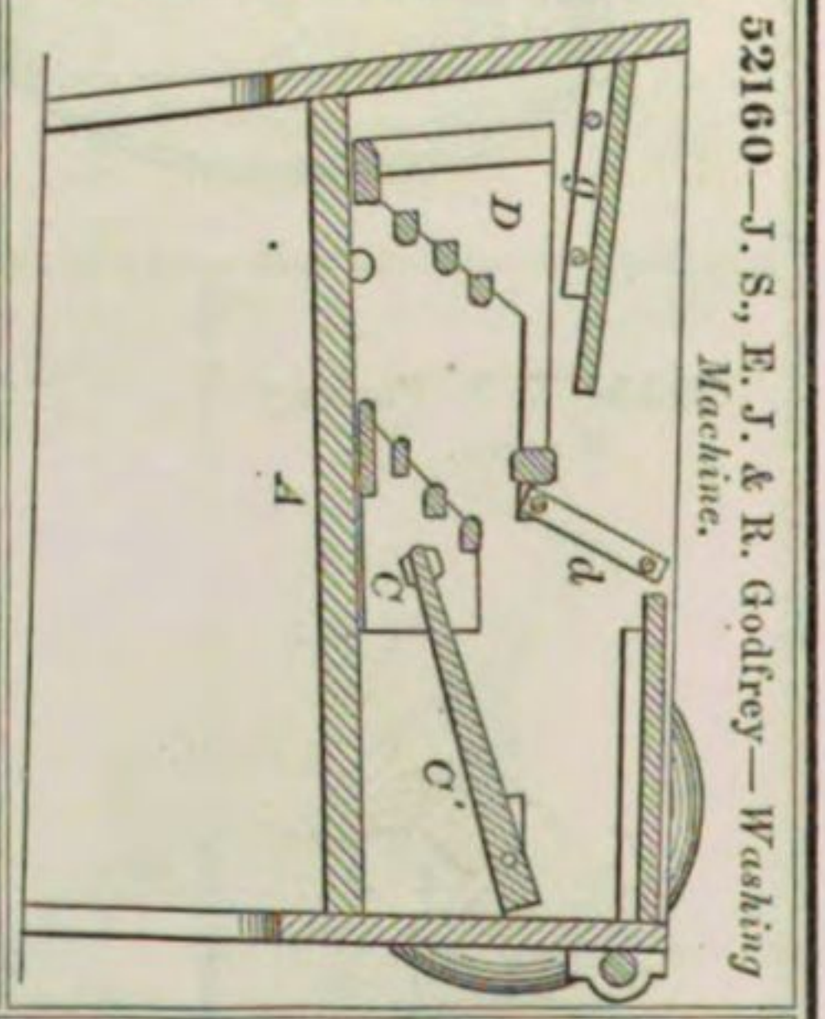




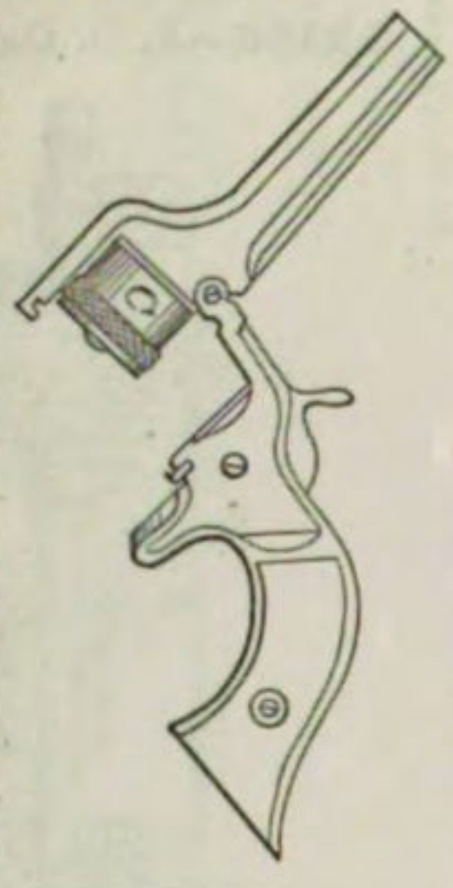
52161—Gordon & Frame—*Loom.*



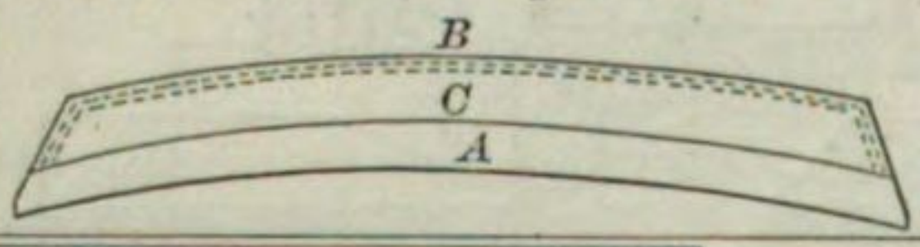
52160—J. S., E. J. & R. Godfrey—*Washing Machine.*



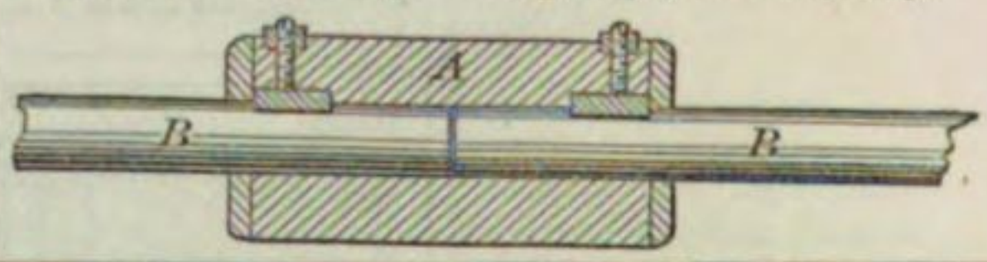
52165—H. Hammond—*Cartridge Retracter.*



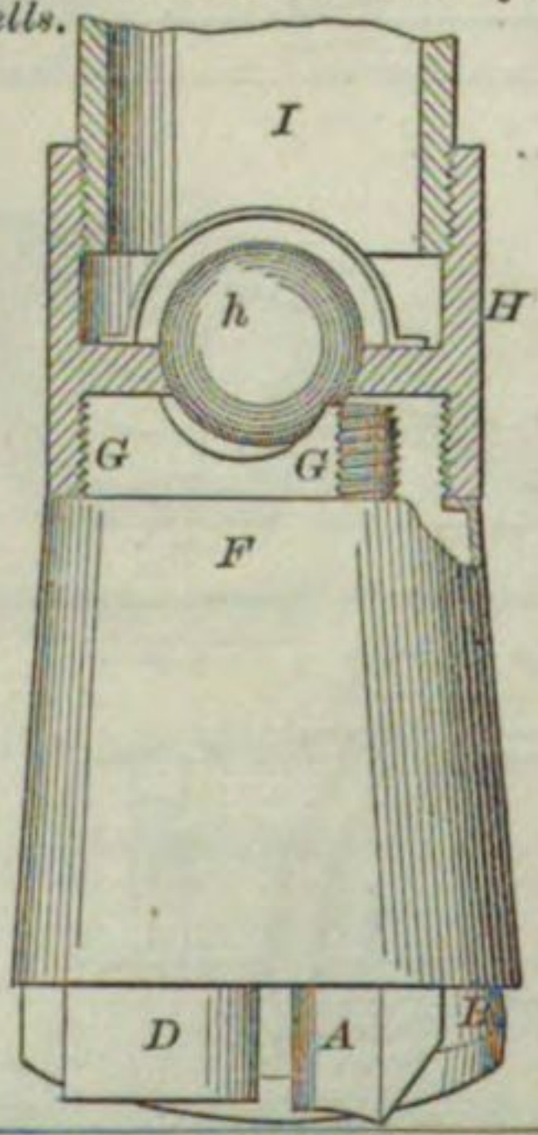
52163—S. S. Gray—*Paper Collar.*



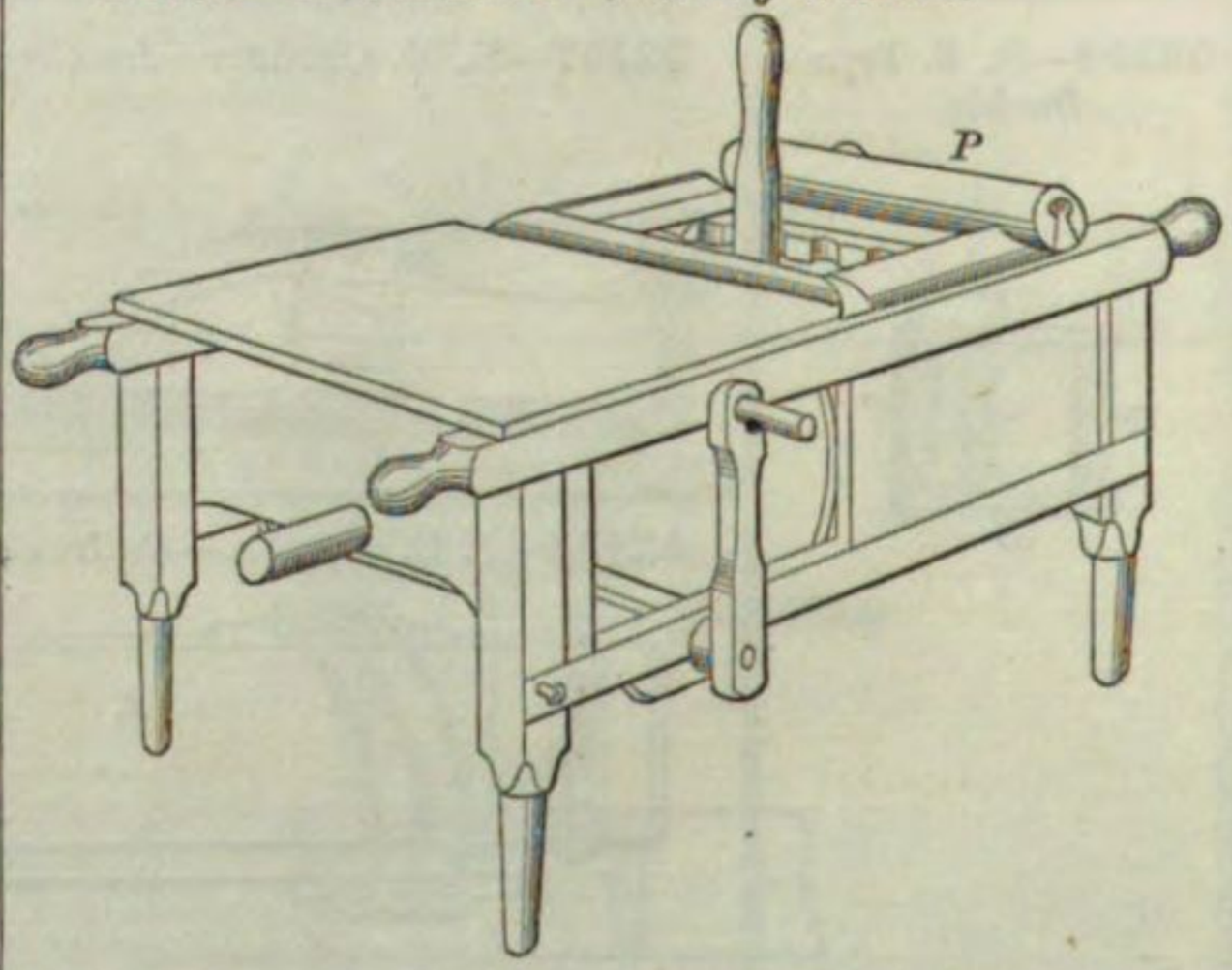
52162—L. Gray—*Coupling for Shafting.*



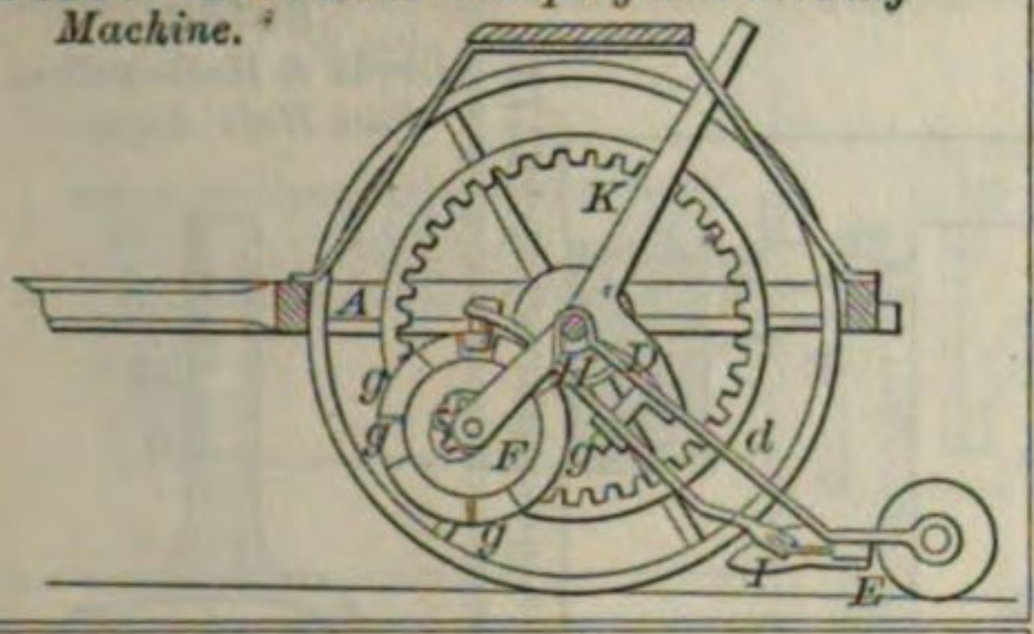
52164—J. Grieves—*Drill for Wells.*



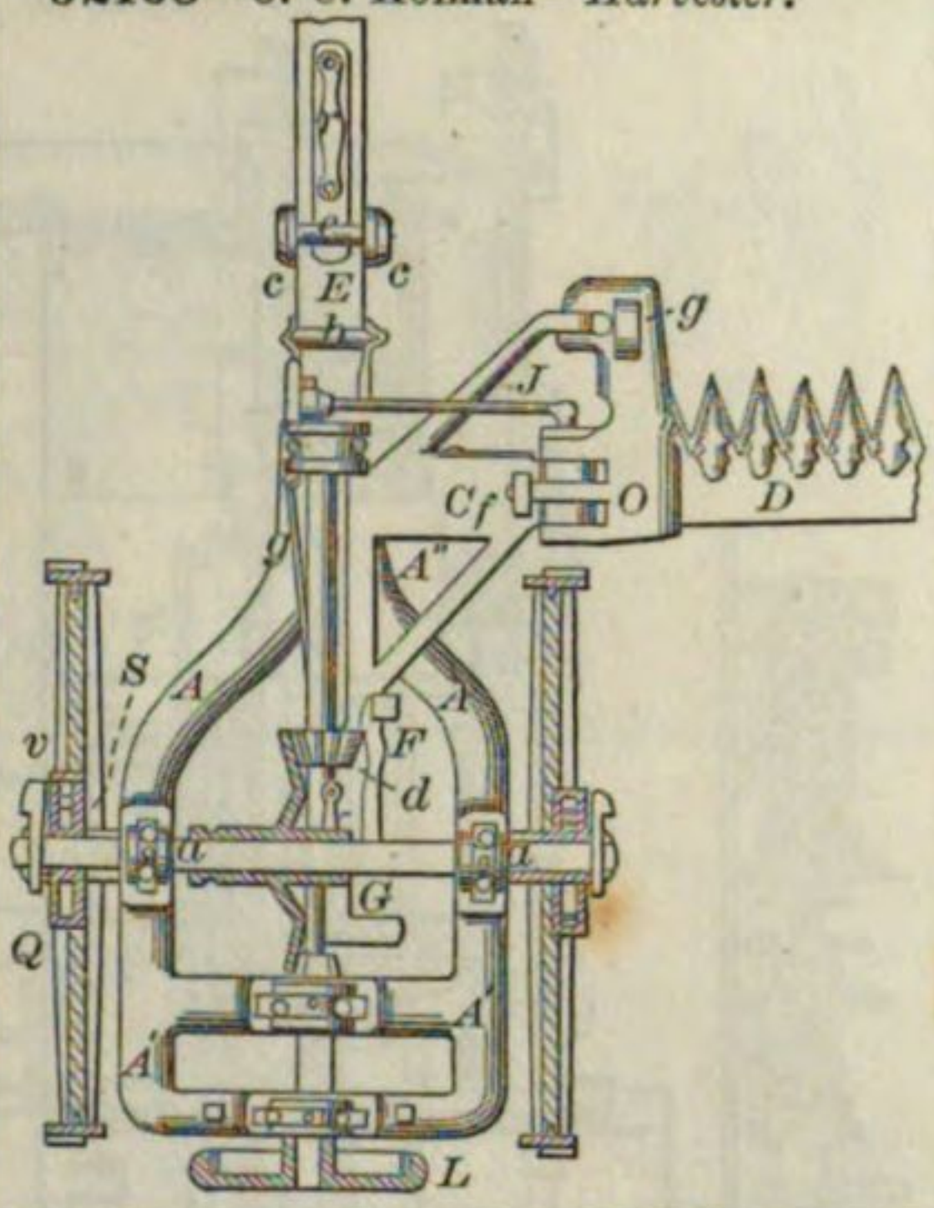
52166—J. I. Herrick—*Washing Machine.*



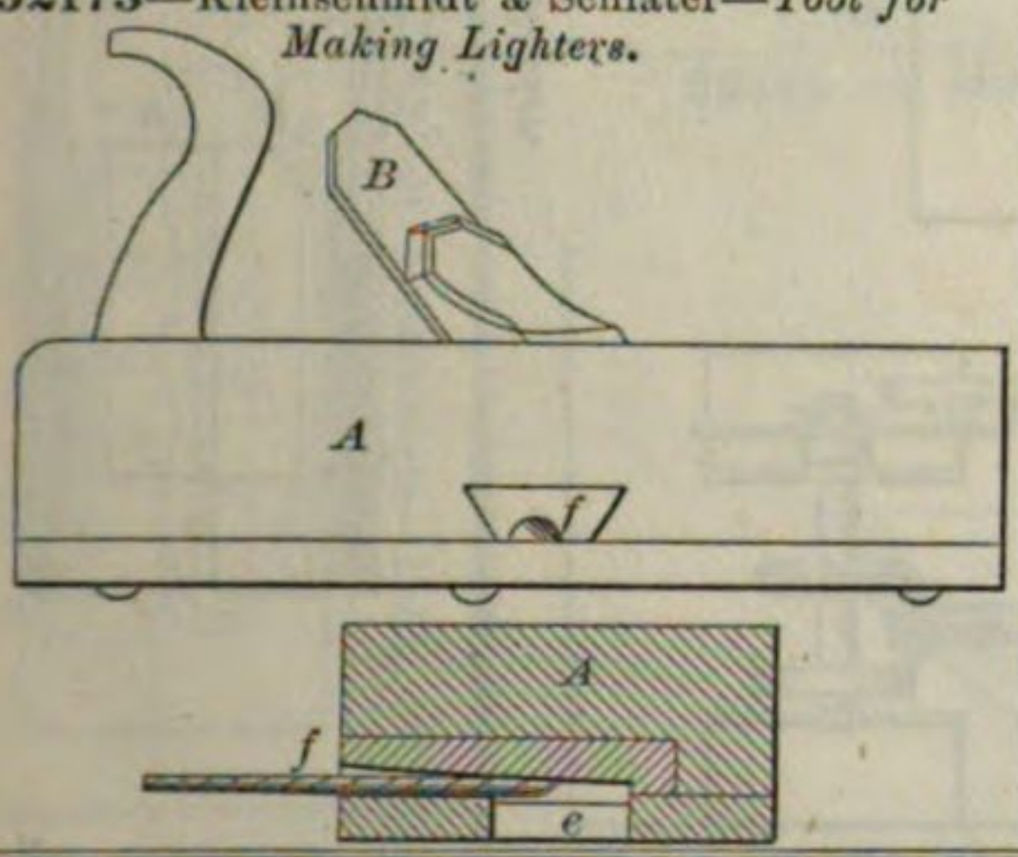
52167—L. B. Hoit—*Reaping and Mowing Machine.*



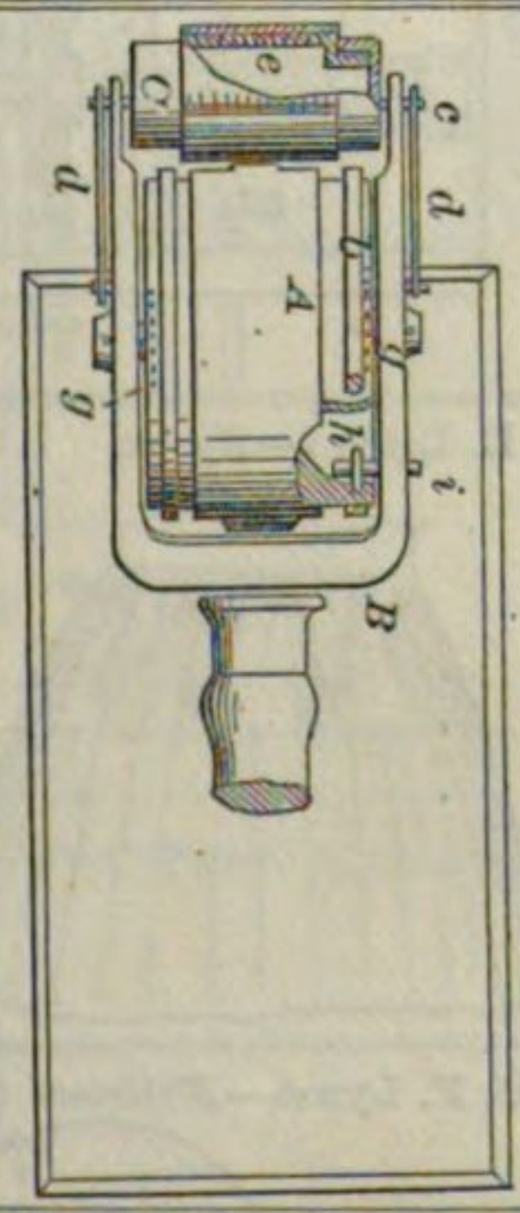
52168—C. C. Holman—*Harvester.*



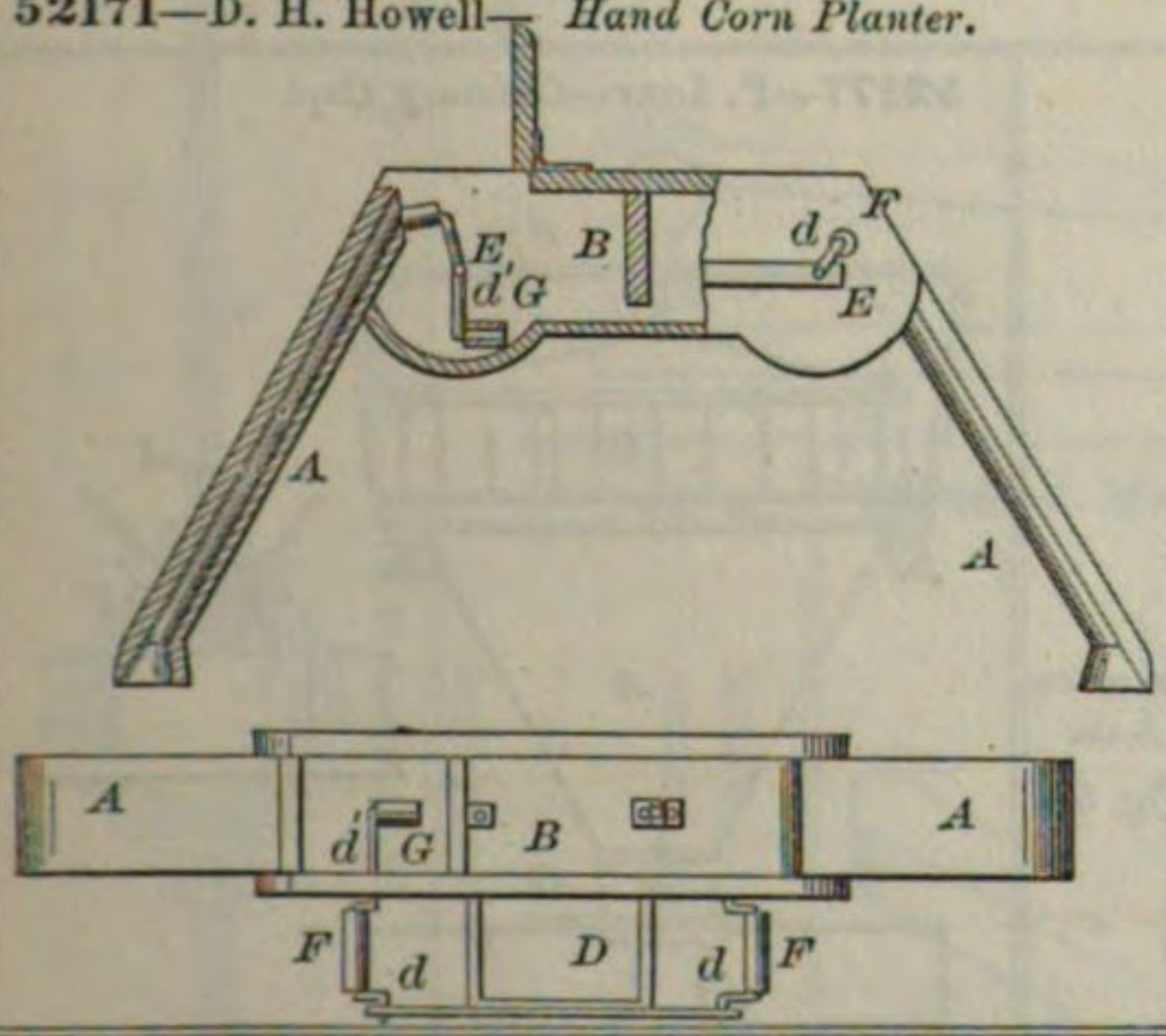
52173—Kleinschmidt & Schlater—*Tool for Making Lighters.*



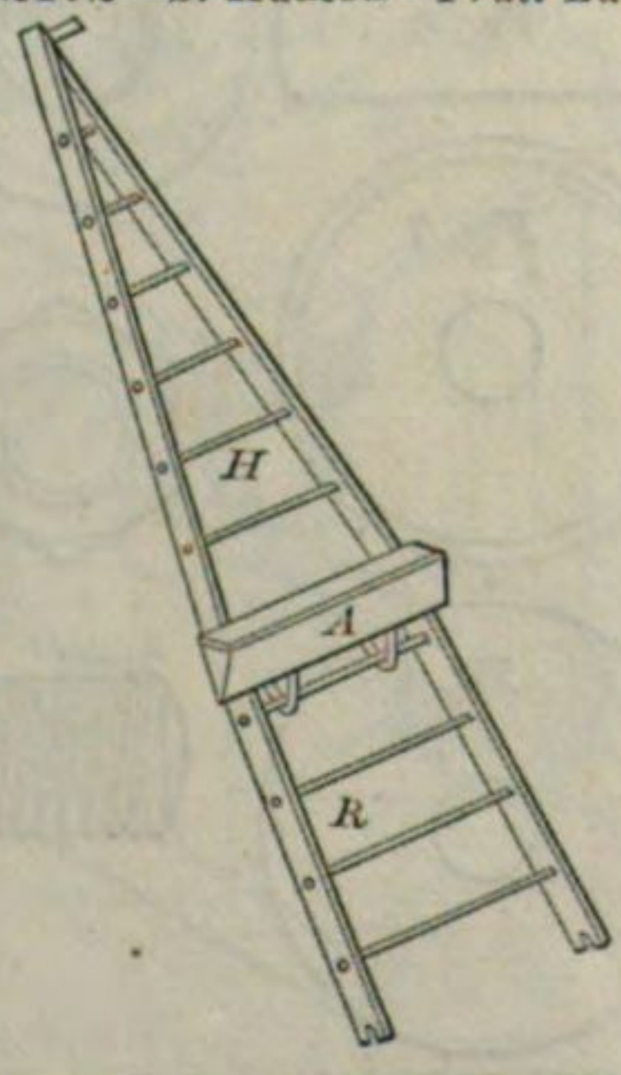
52169—H. Holt—*Marking Wheel.*



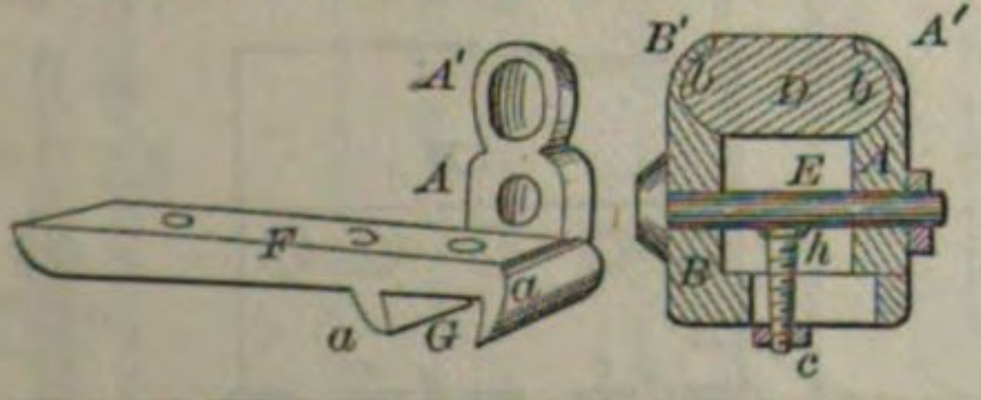
52171—D. H. Howell—*Hand Corn Planter.*



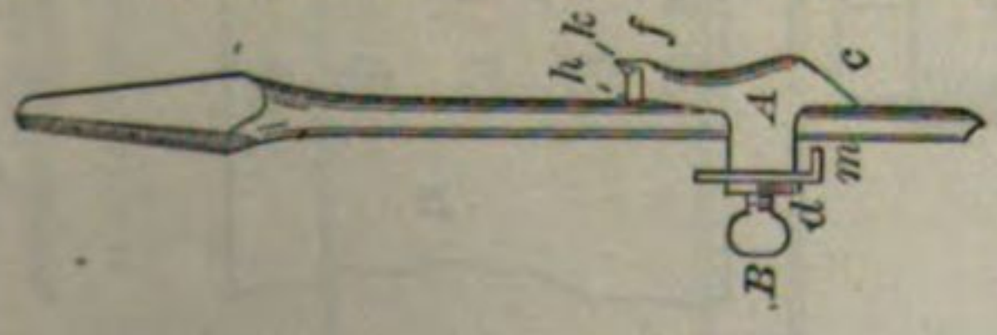
52172—S. Hudson—*Fruit Ladder.*



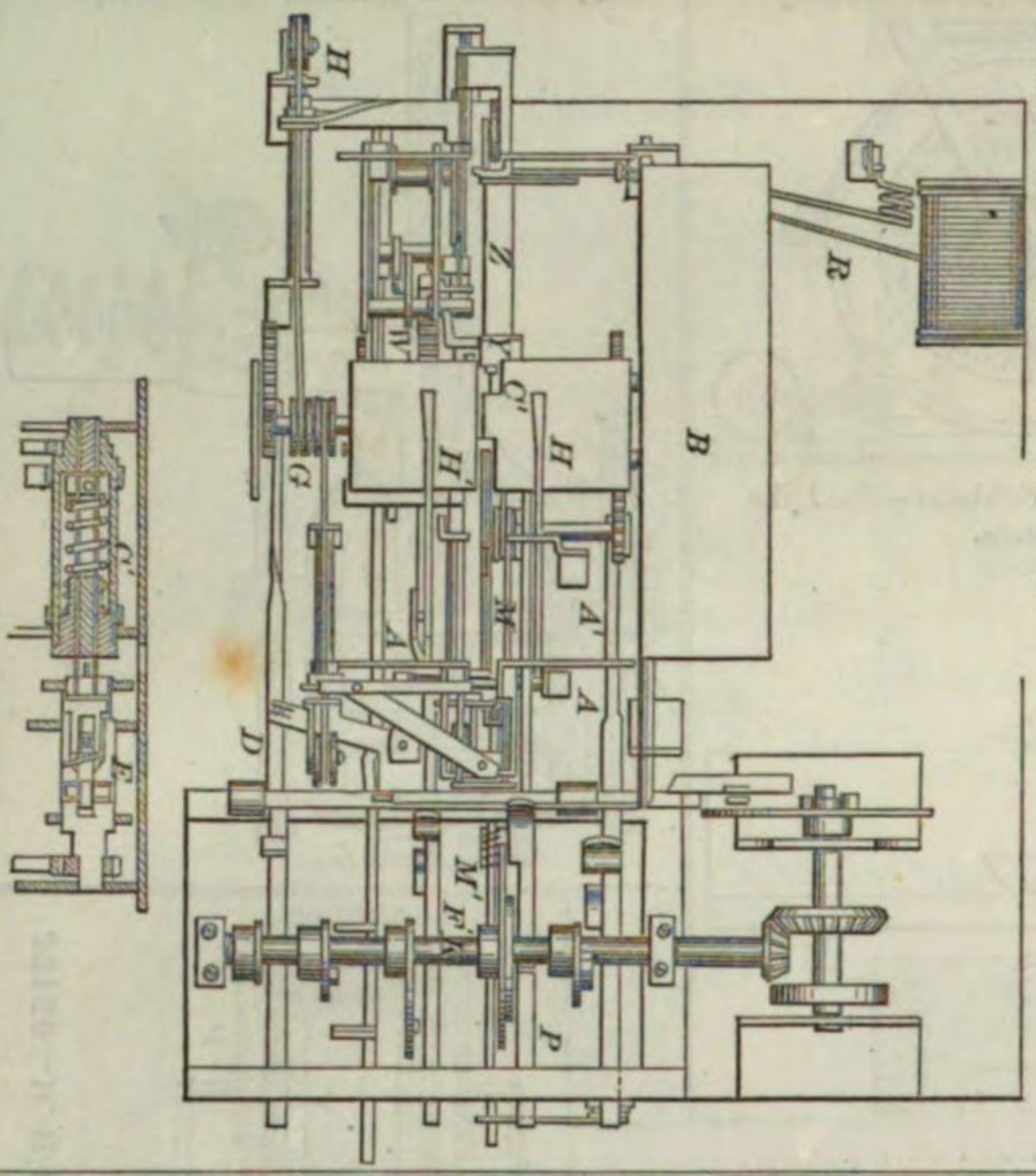
52170—J. Howarth—*Coupling for Carriage Thills.*



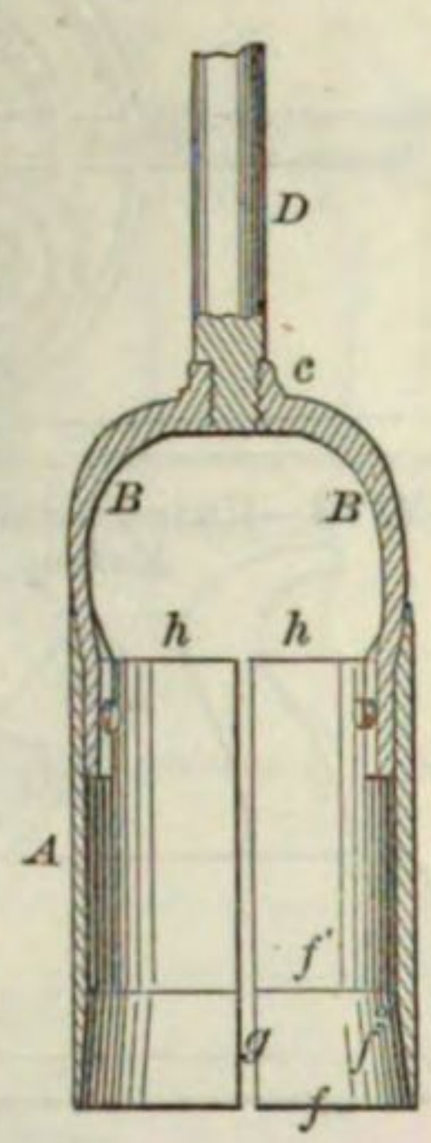
52174—Kimball & Parsons—*Bit for Boring Holes.*



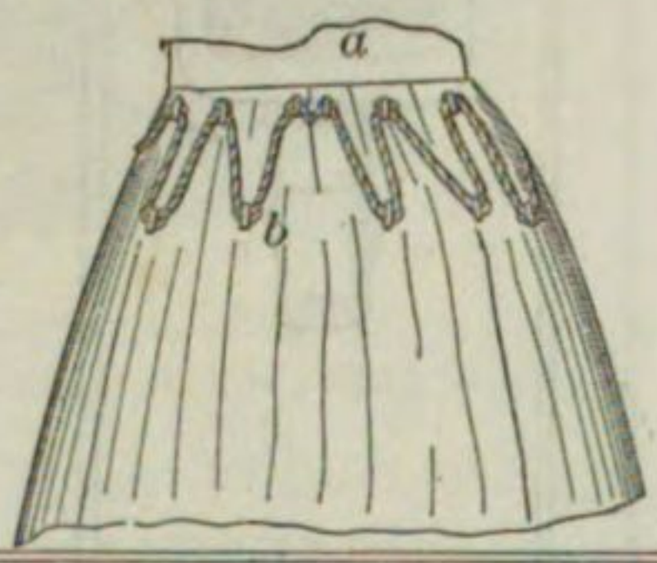
52175—I. Lancaster—*Grain Binder.*



52180—
Leeds & Hollowell—
Post Hole Auger.



52179—R. Leavitt—*Eyelet.*



52181—G. F. Lynch—*Railroad Car Box.*

Fig. 5

Fig. 8

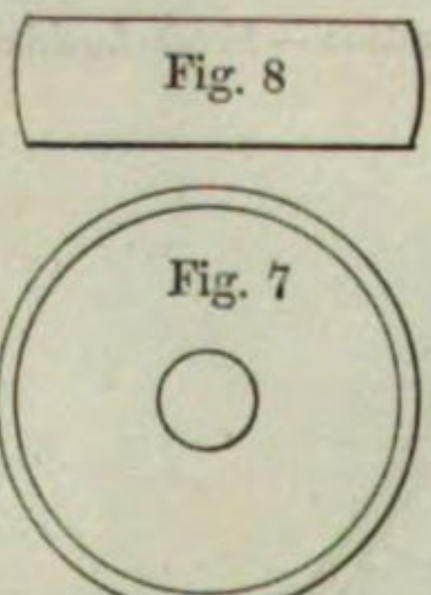


Fig. 7

Fig. 3

Fig. 2

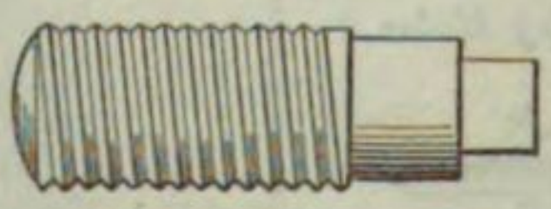
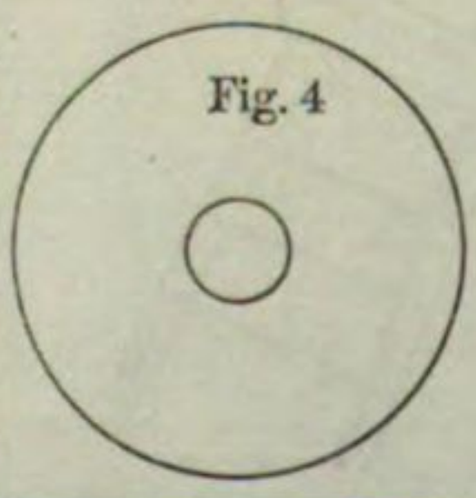
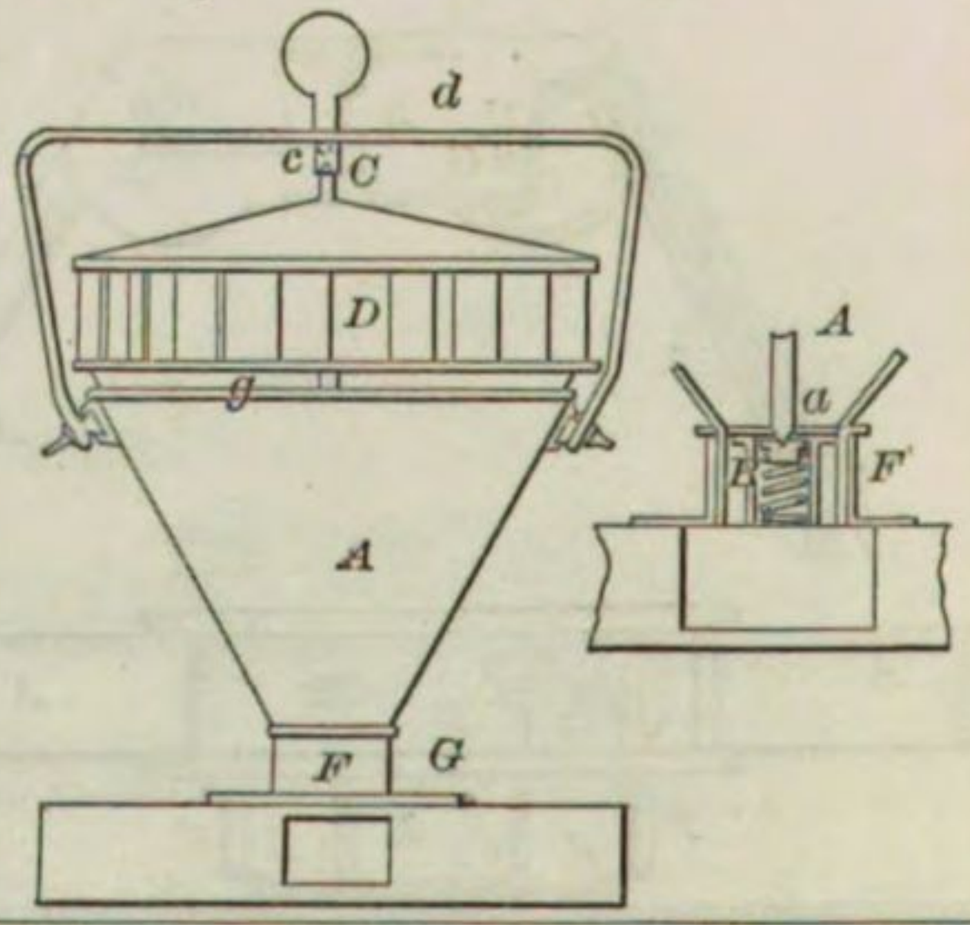


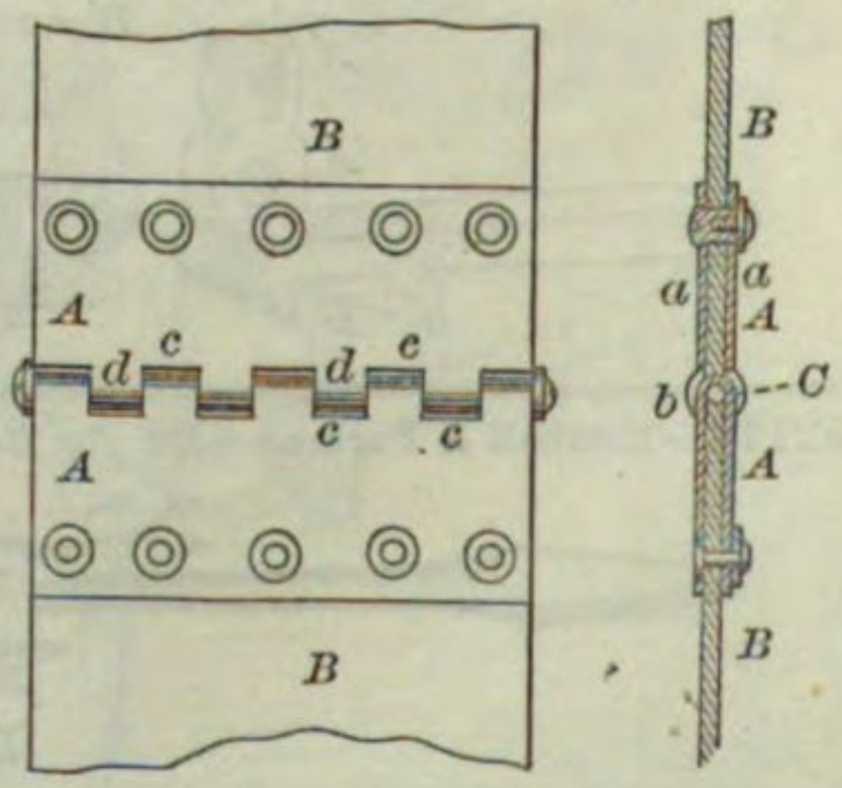
Fig. 4



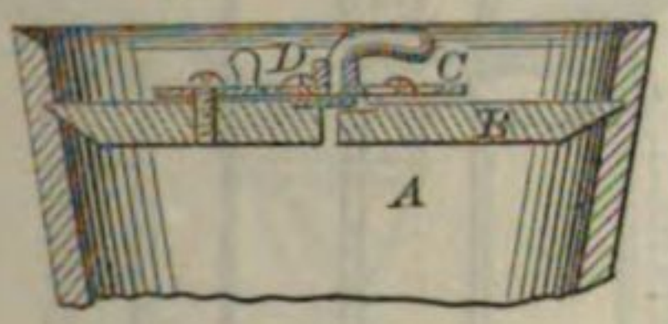
52177—P. Lear—*Chimney Cap.*



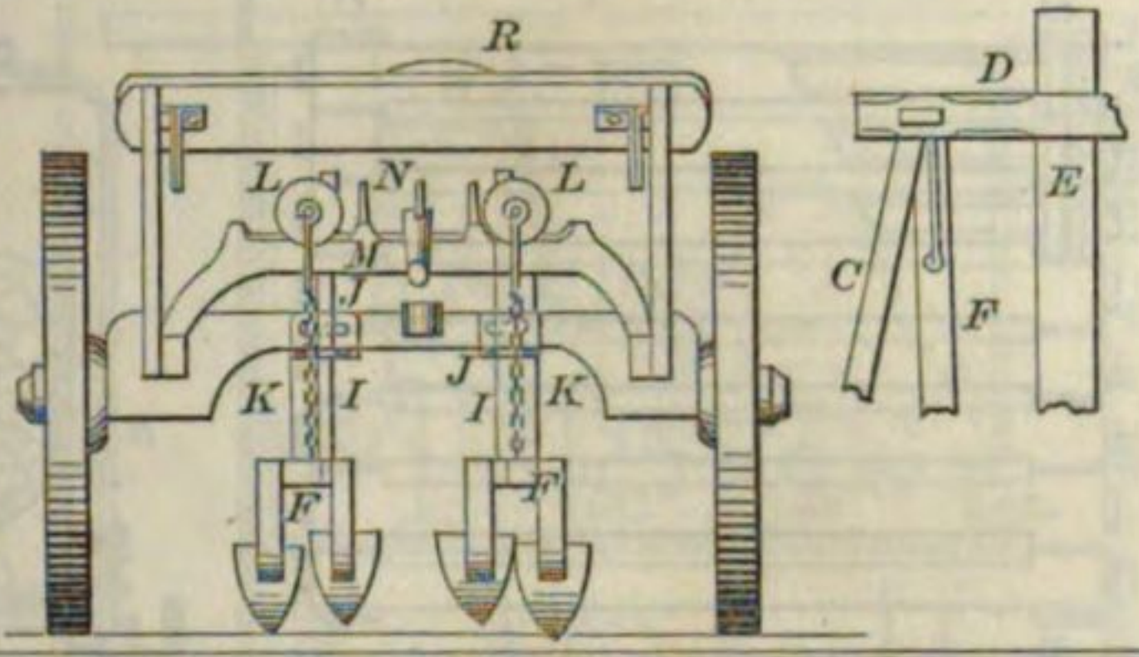
52178—W. Leas—*Belt Coupling.*



52182—J. McCammon—*Barrel Head.*

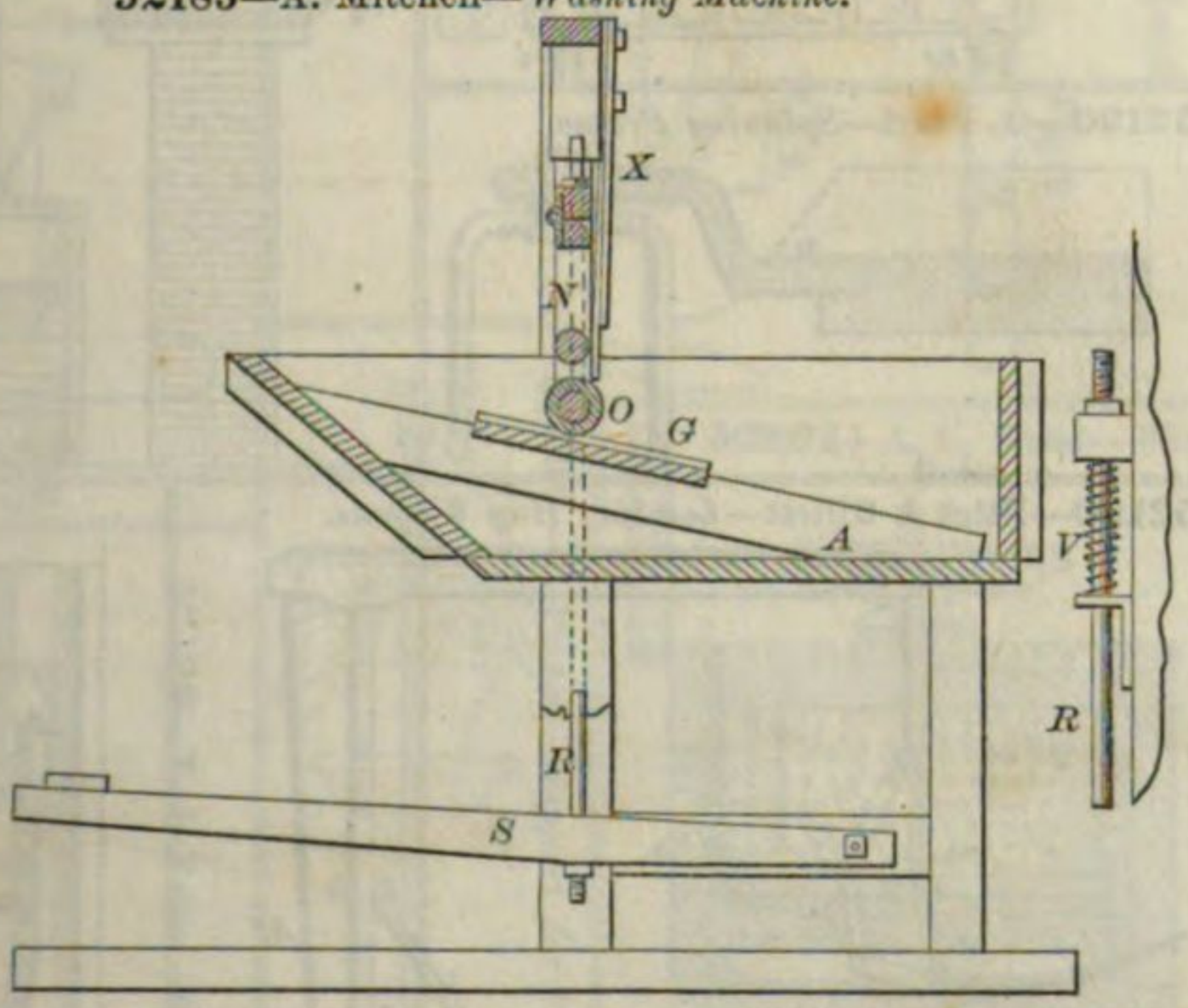


52184—S. G. Mills—*Cultivator.*



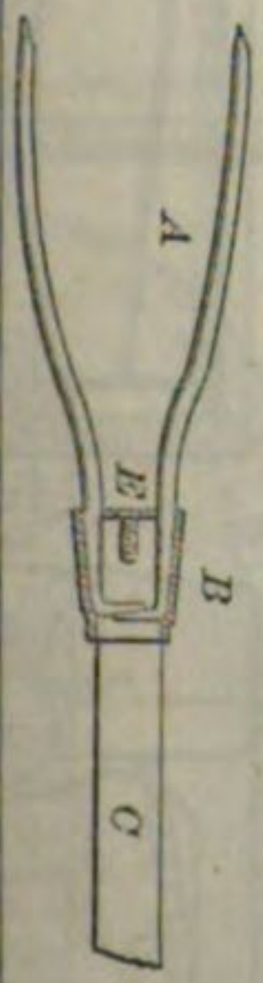
52183—M. McGonnigle—*Lock.*

52185—A. Mitchell—*Washing Machine.*

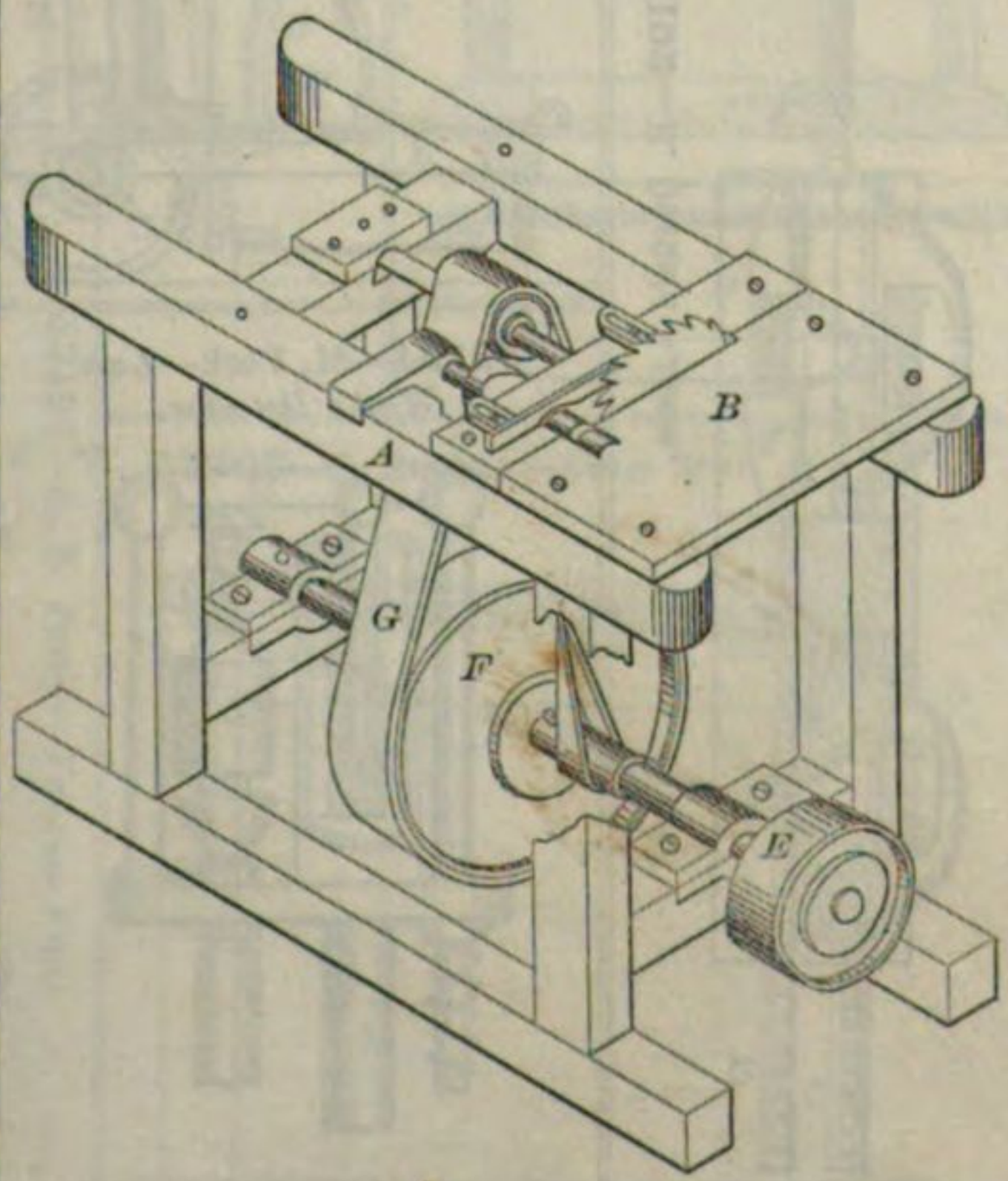


52187—W. Morley—*Thill-Holding Loop.*

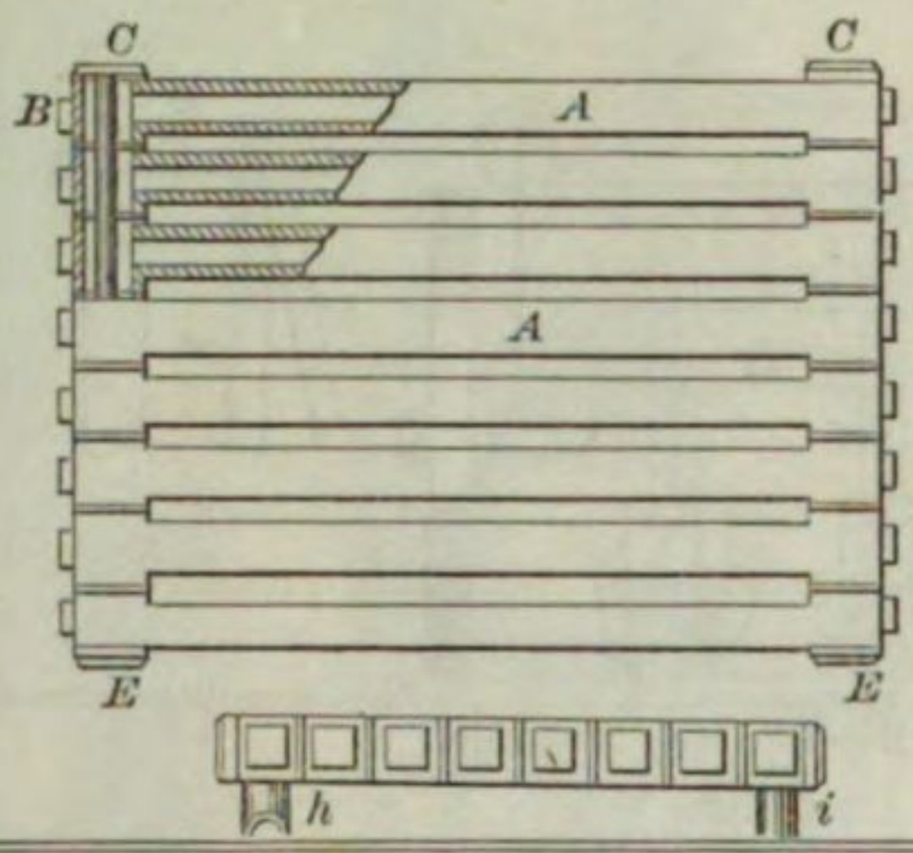
52186—J. A. Montgomery—*Hay Fork.*



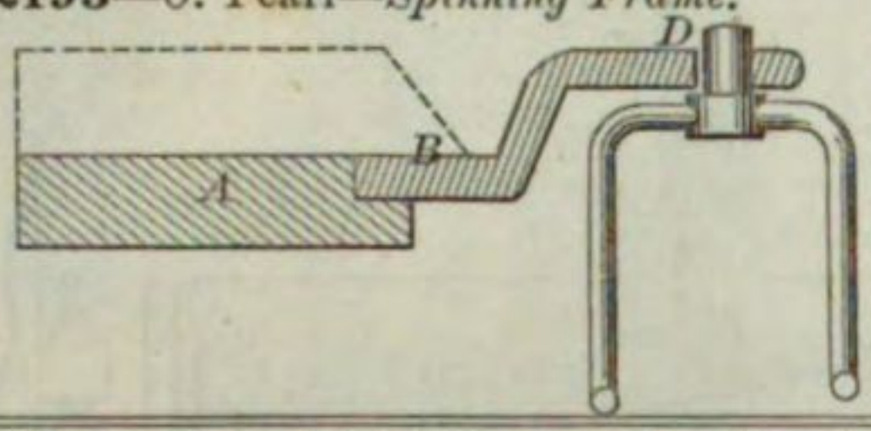
52188—J. Mutty—*Feed Rollers to Circular Saws.*



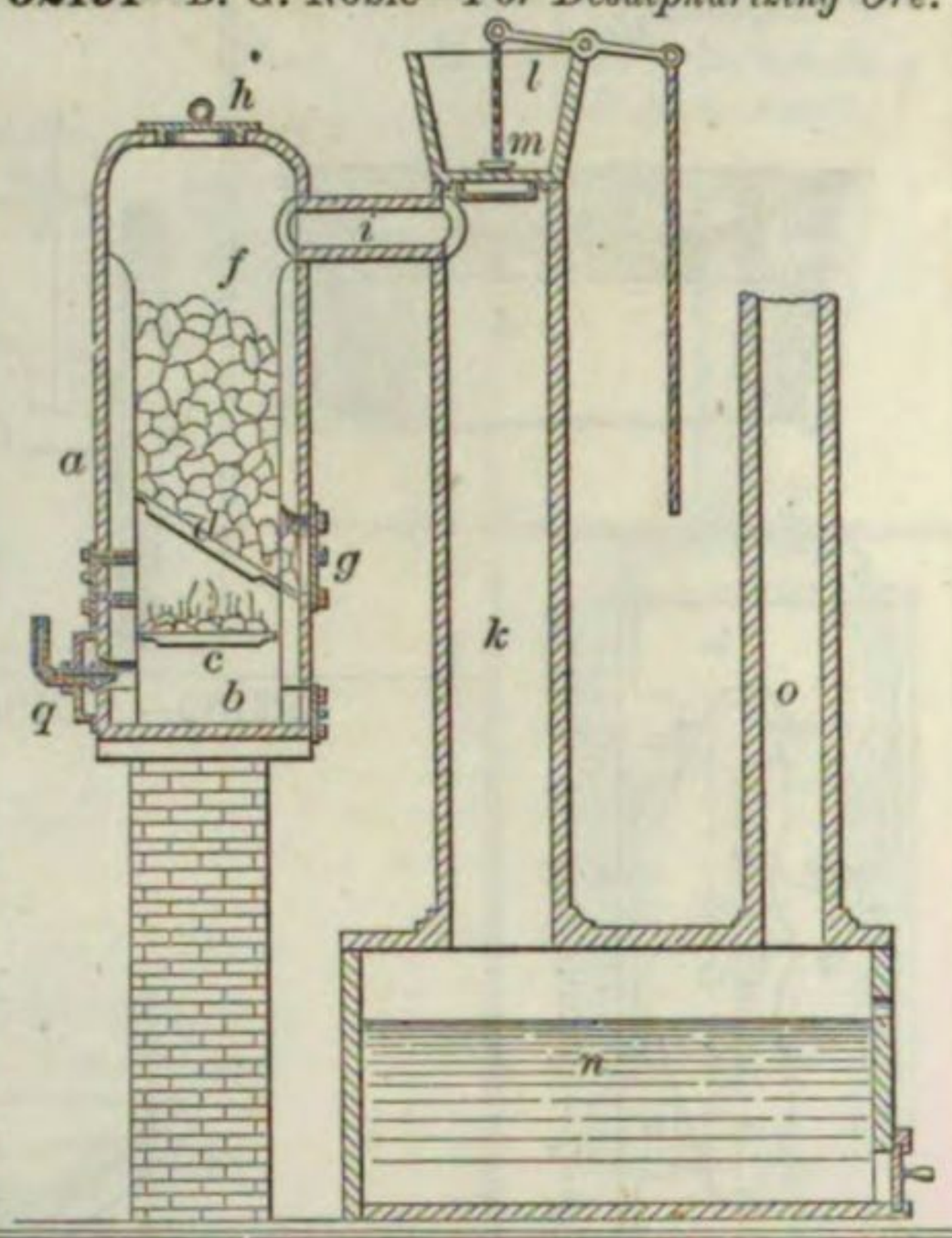
52189—G. S. Nevins—*Grate Bars.*



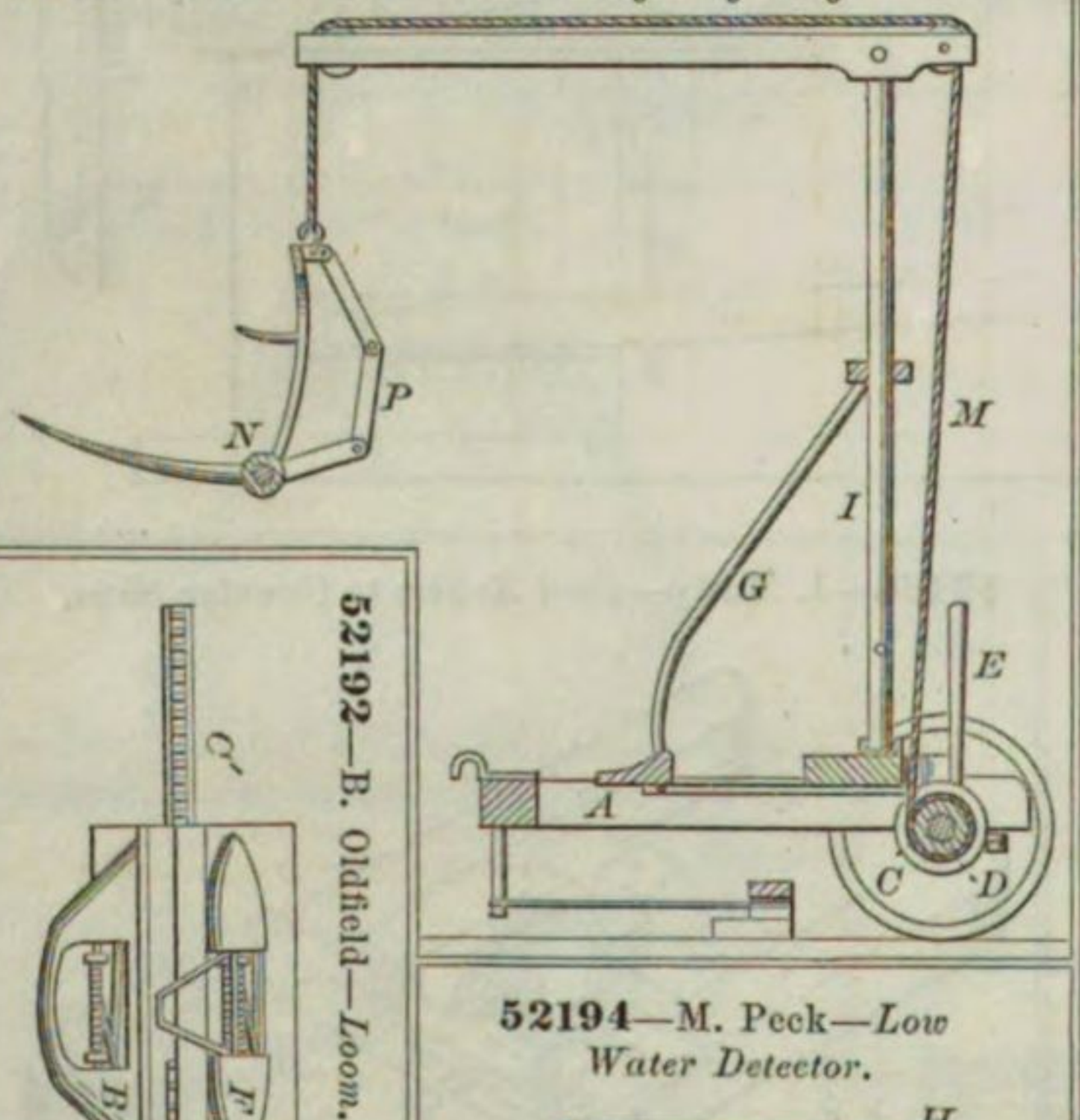
52193—O. Pearl—*Spinning Frame.*



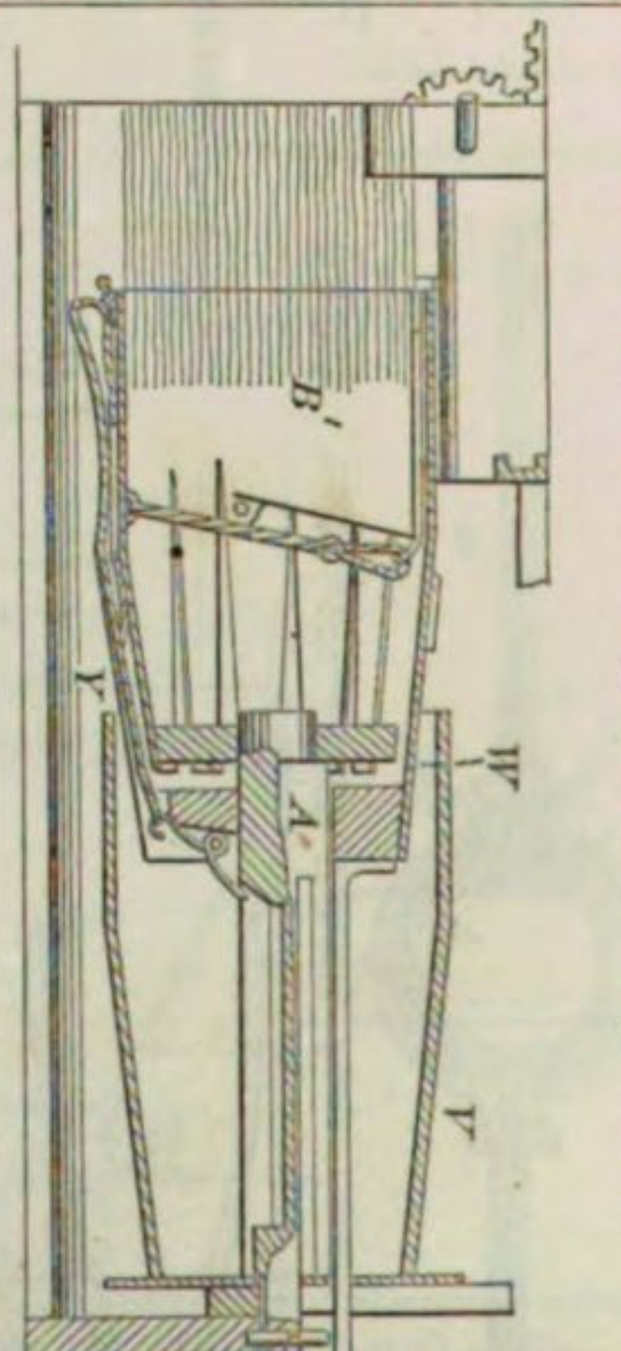
52191—B. G. Noble—*For Desulphurizing Ore.*



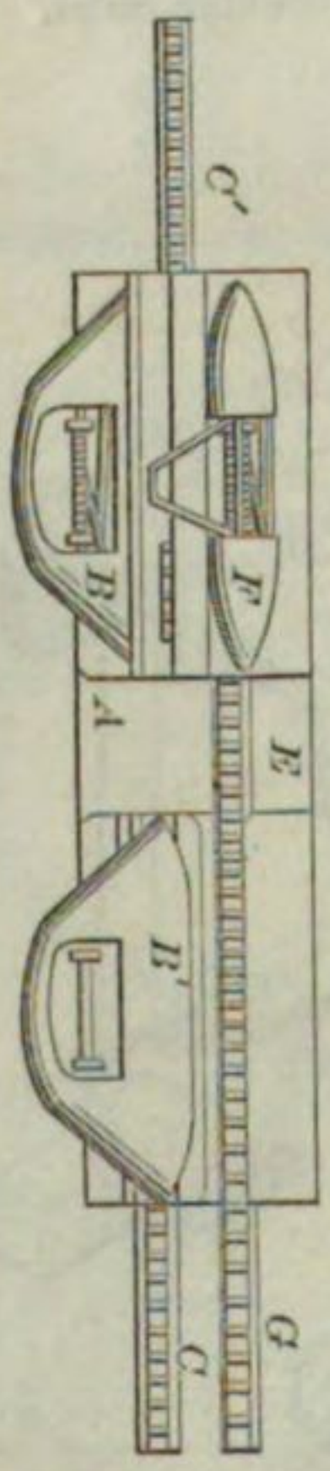
52190—Niles & Gillett—*Loading Hay Wagons.*



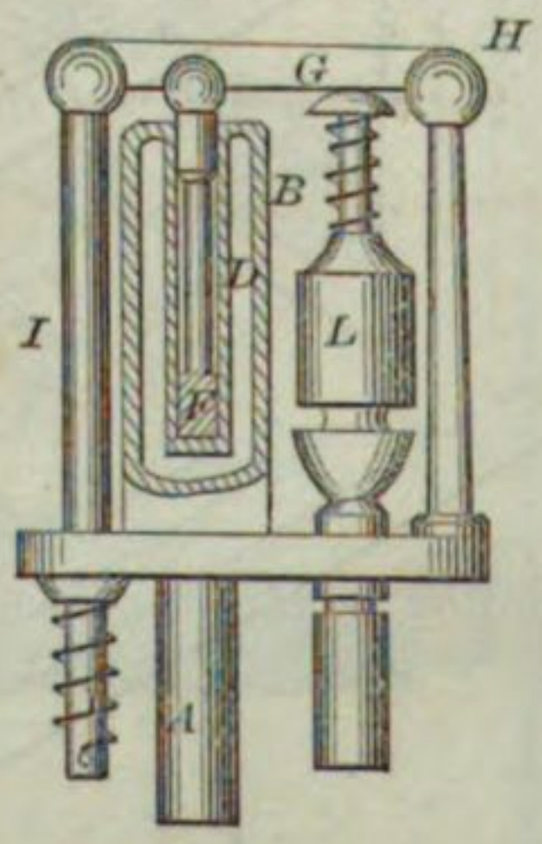
52195—T. W. Pierce—*Reaping and Binding Machine.*



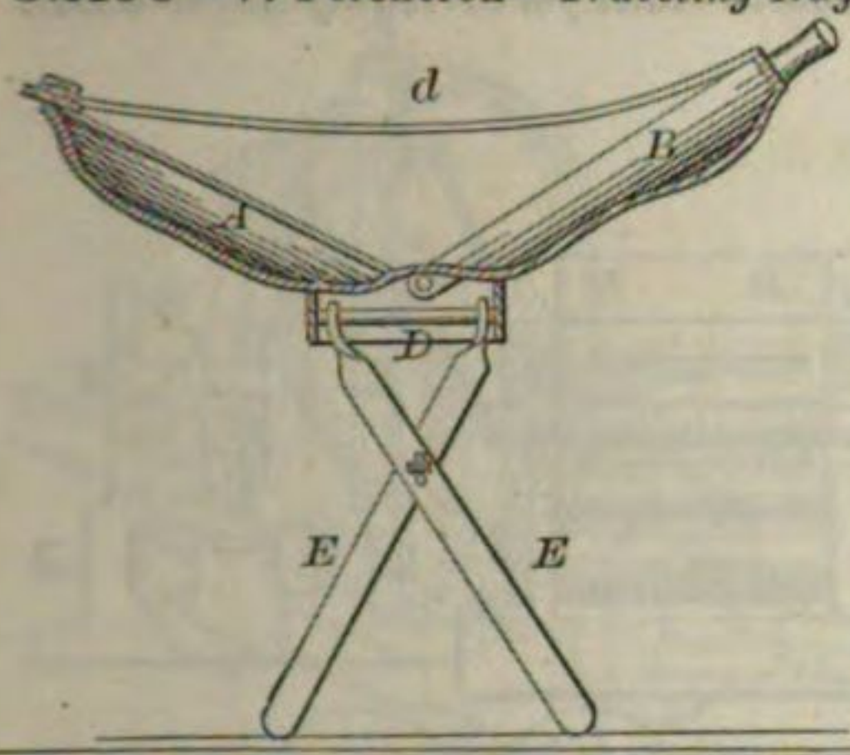
52192—B. Oldfield—*Loom.*



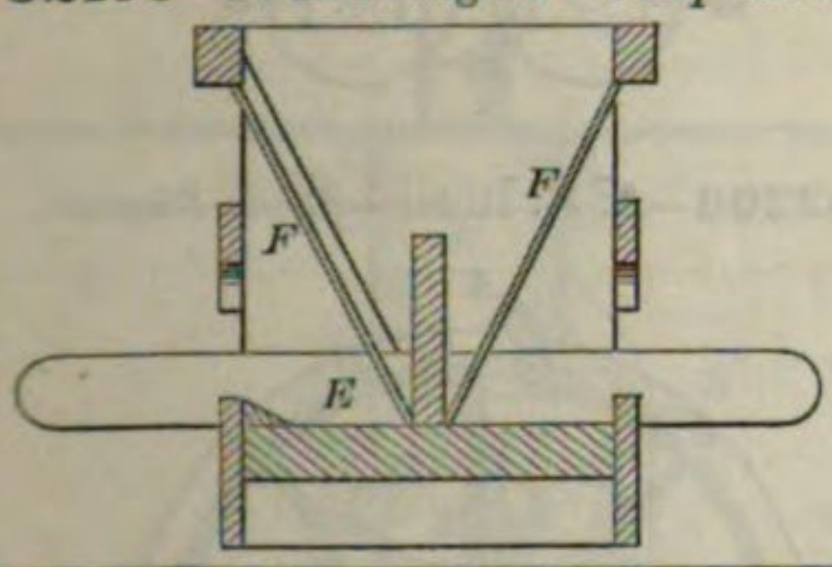
52194—M. Peck—*Low Water Detector.*



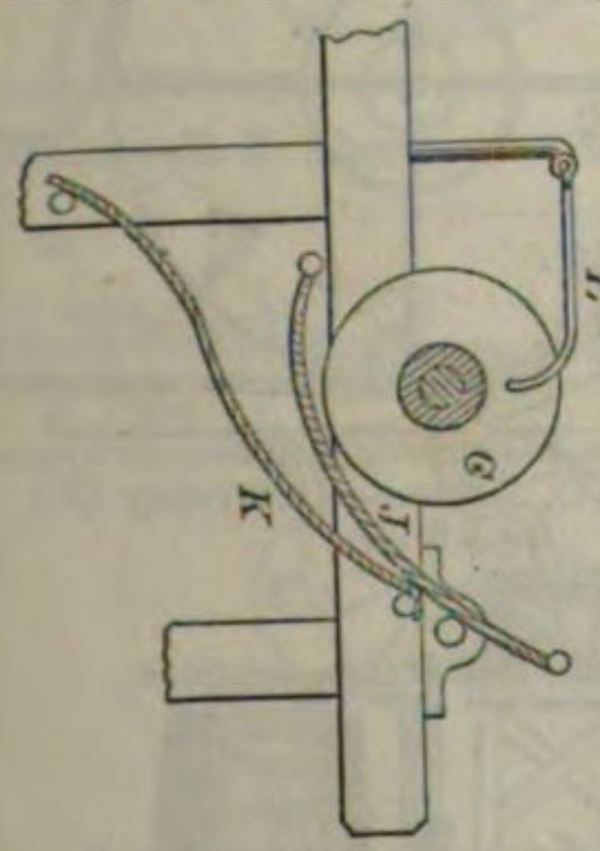
52196—V. Percheron—*Traveling Bag.*



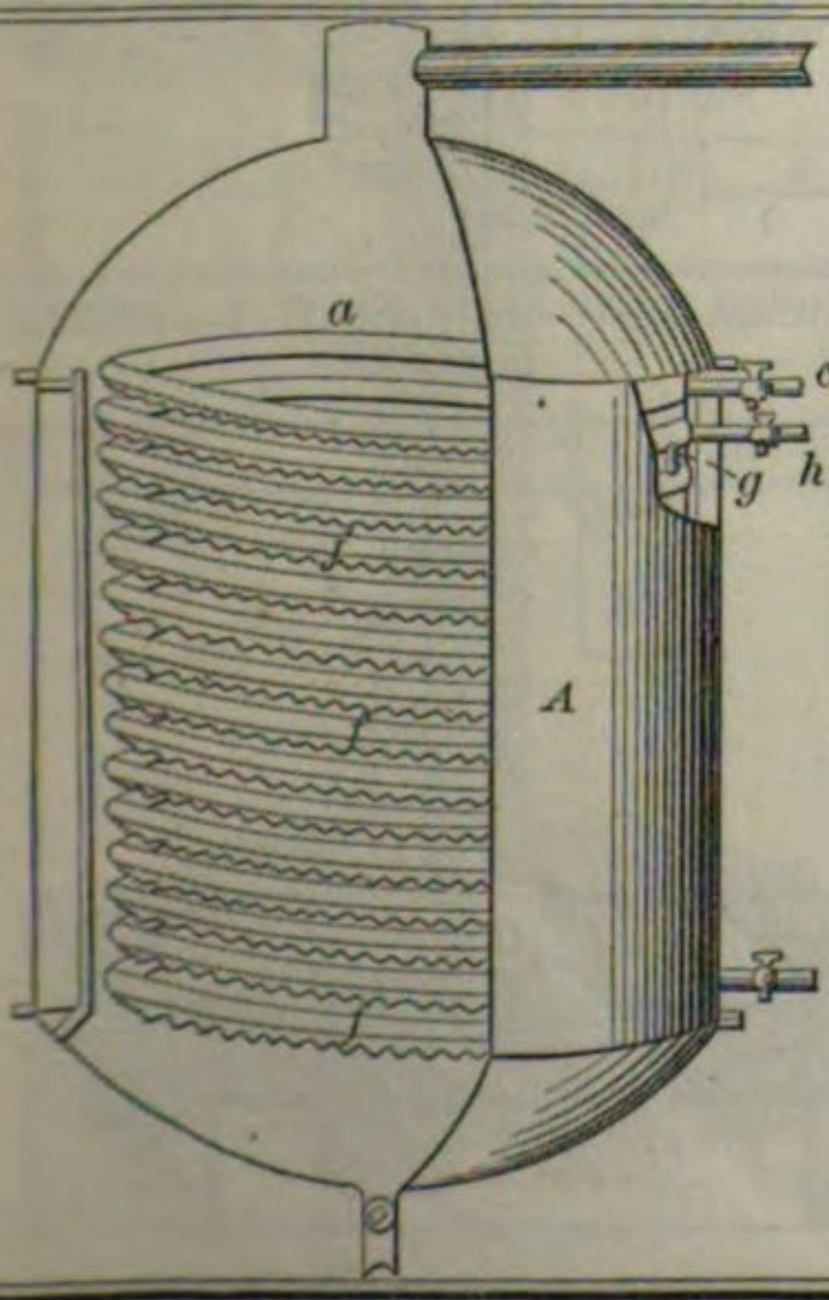
52198—D. L. Pettigrew—*Sheep Rack.*



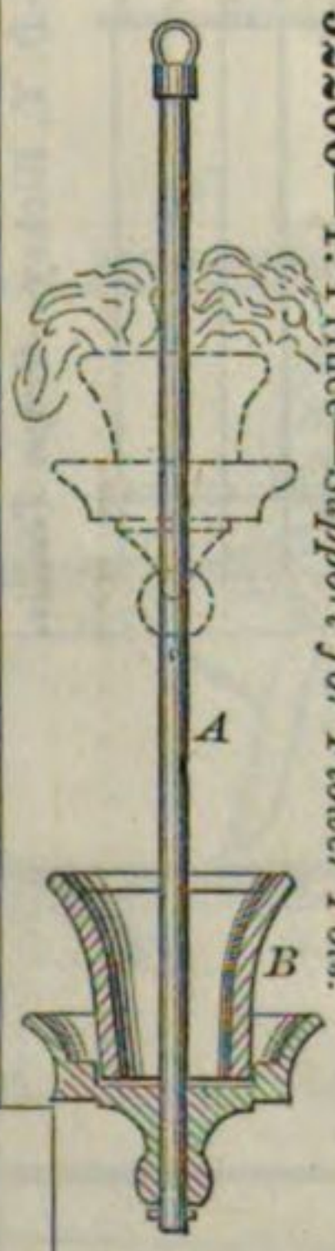
52199—T. J. Price—*Straw Cutter.*



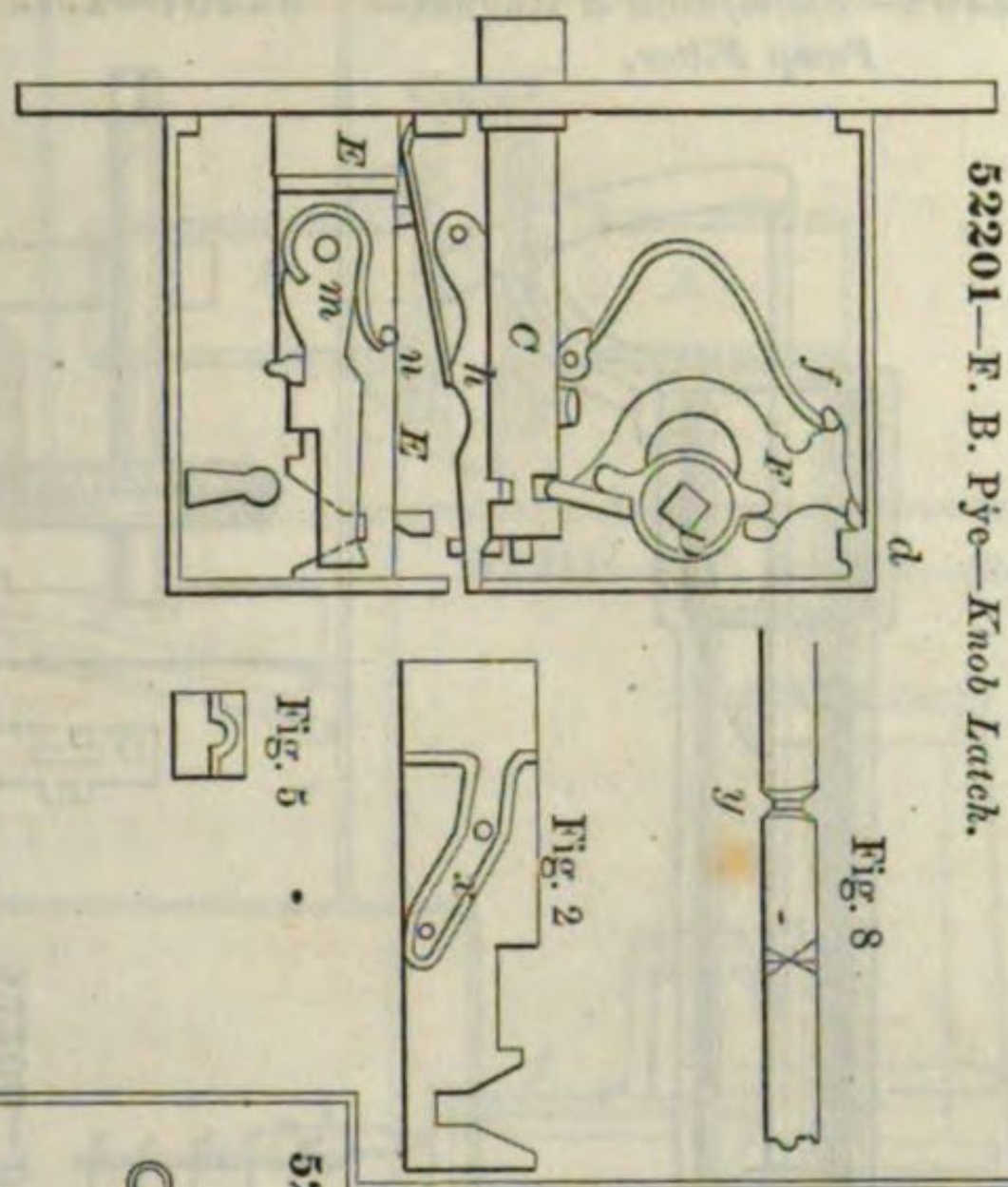
52197—G. R. Percy—*Vacuum Pan.*



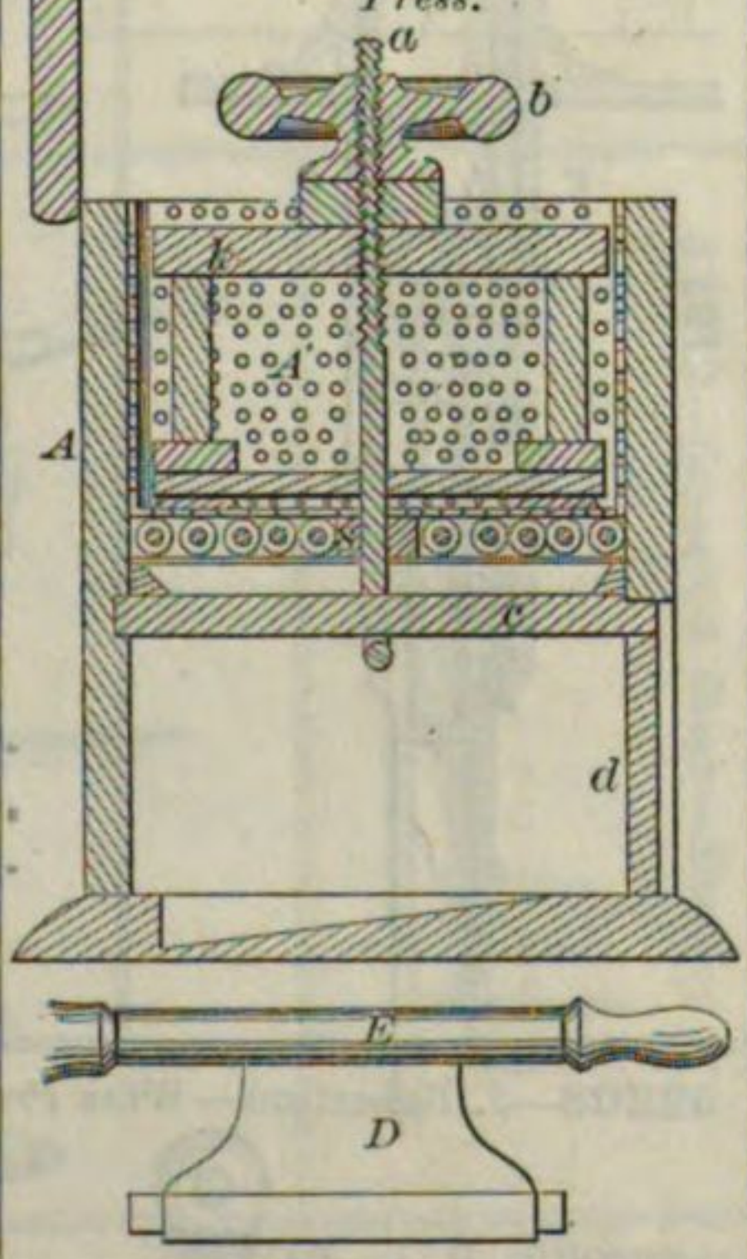
52200—T. Prince—*Support for Flower Pots.*



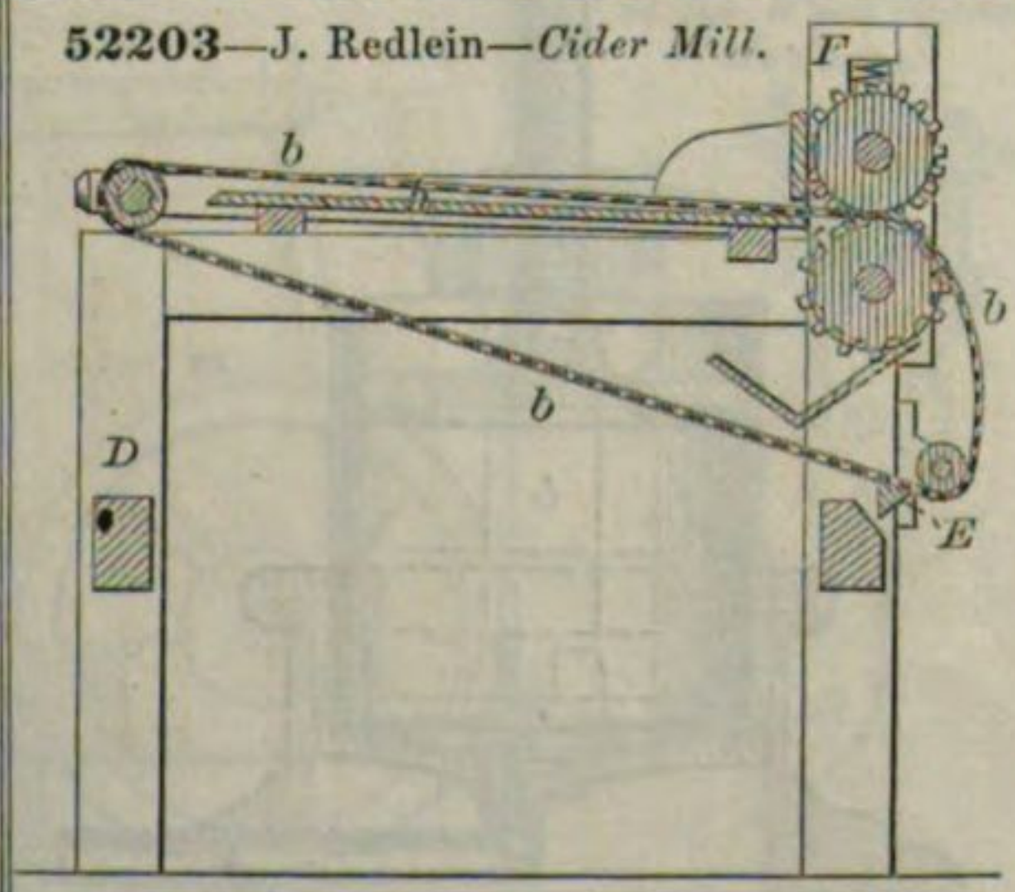
52201—F. B. Pye—*Knob Latch.*



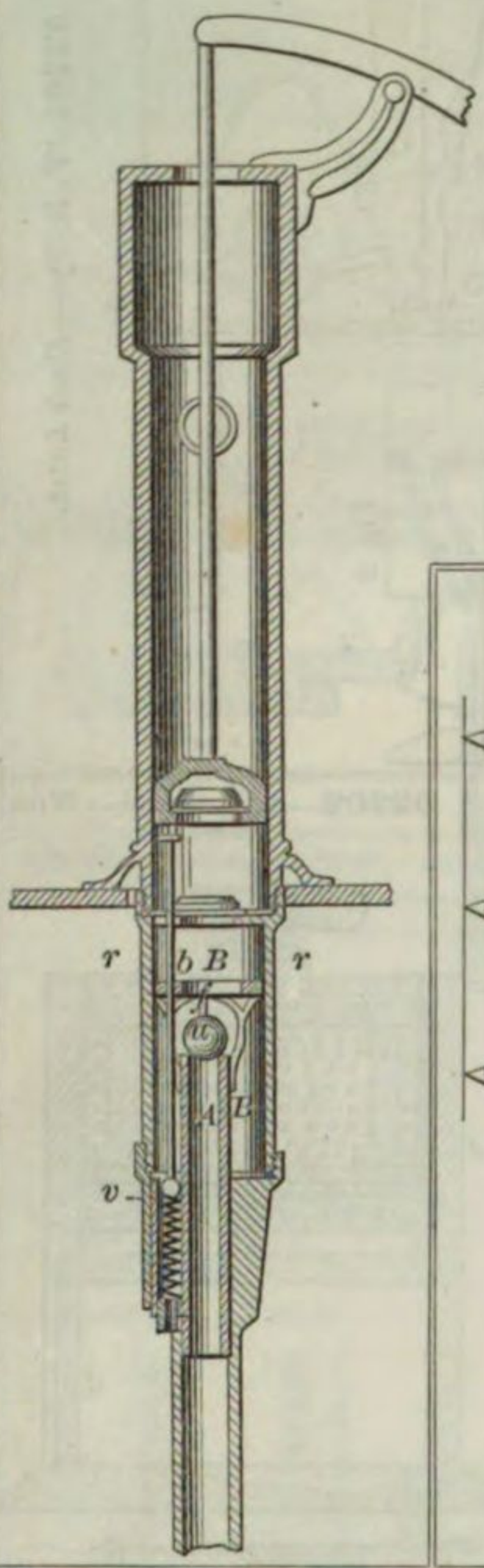
52202—A. L. Rand—*Wine Press.*



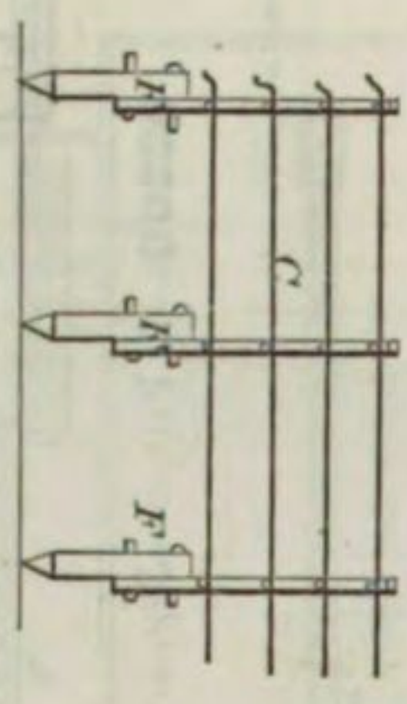
52203—J. Redlein—*Cider Mill.*



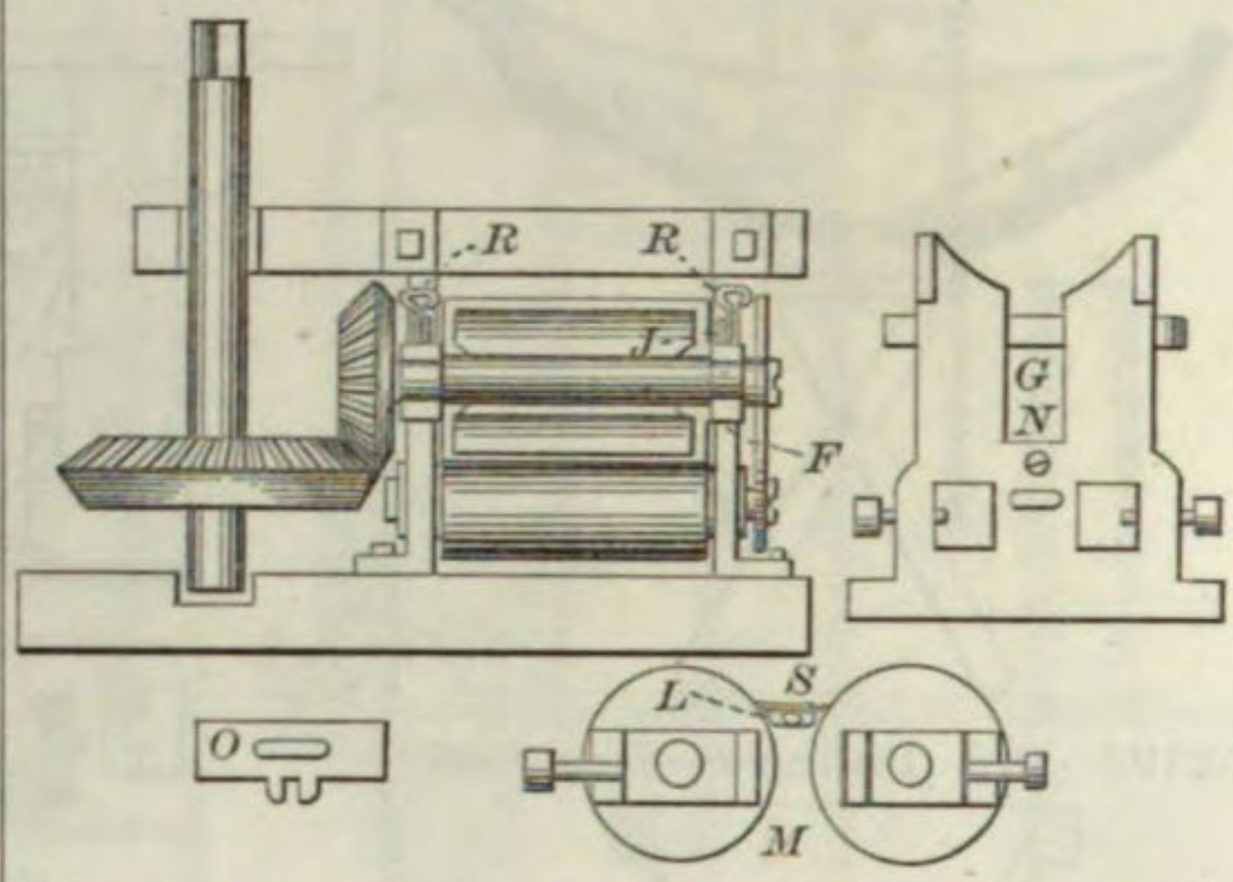
52204—Richardson & Hughes—*Pump Filter.*



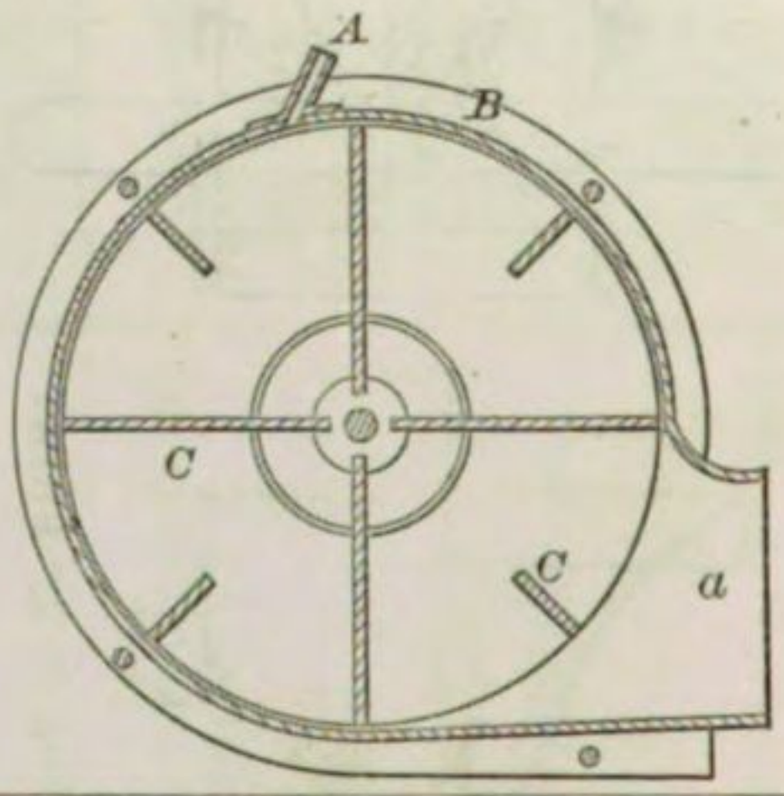
52205—D. T. Rickey—*Grape Trellis.*



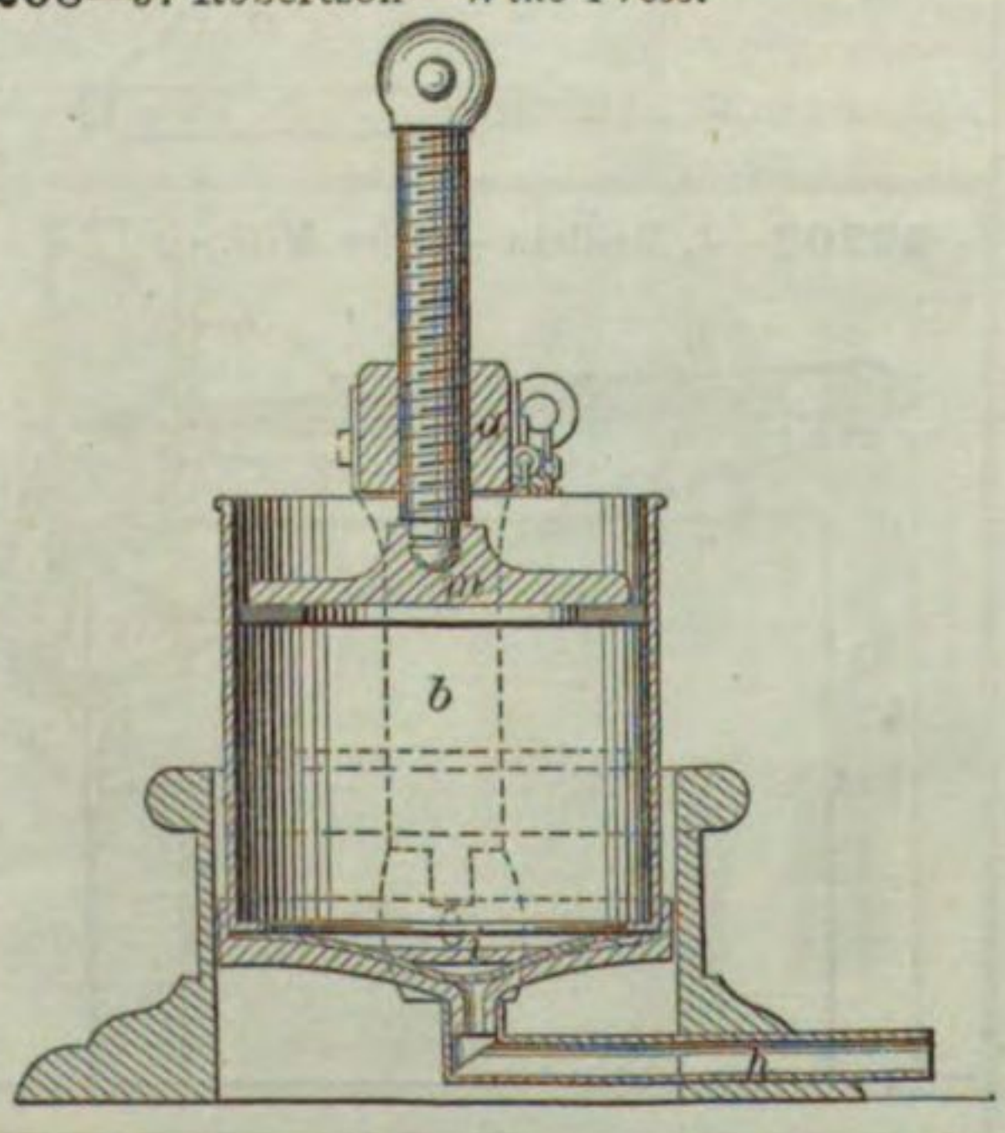
52207—T. L. Roberts—*Mill for Grinding Sugar Cane.*



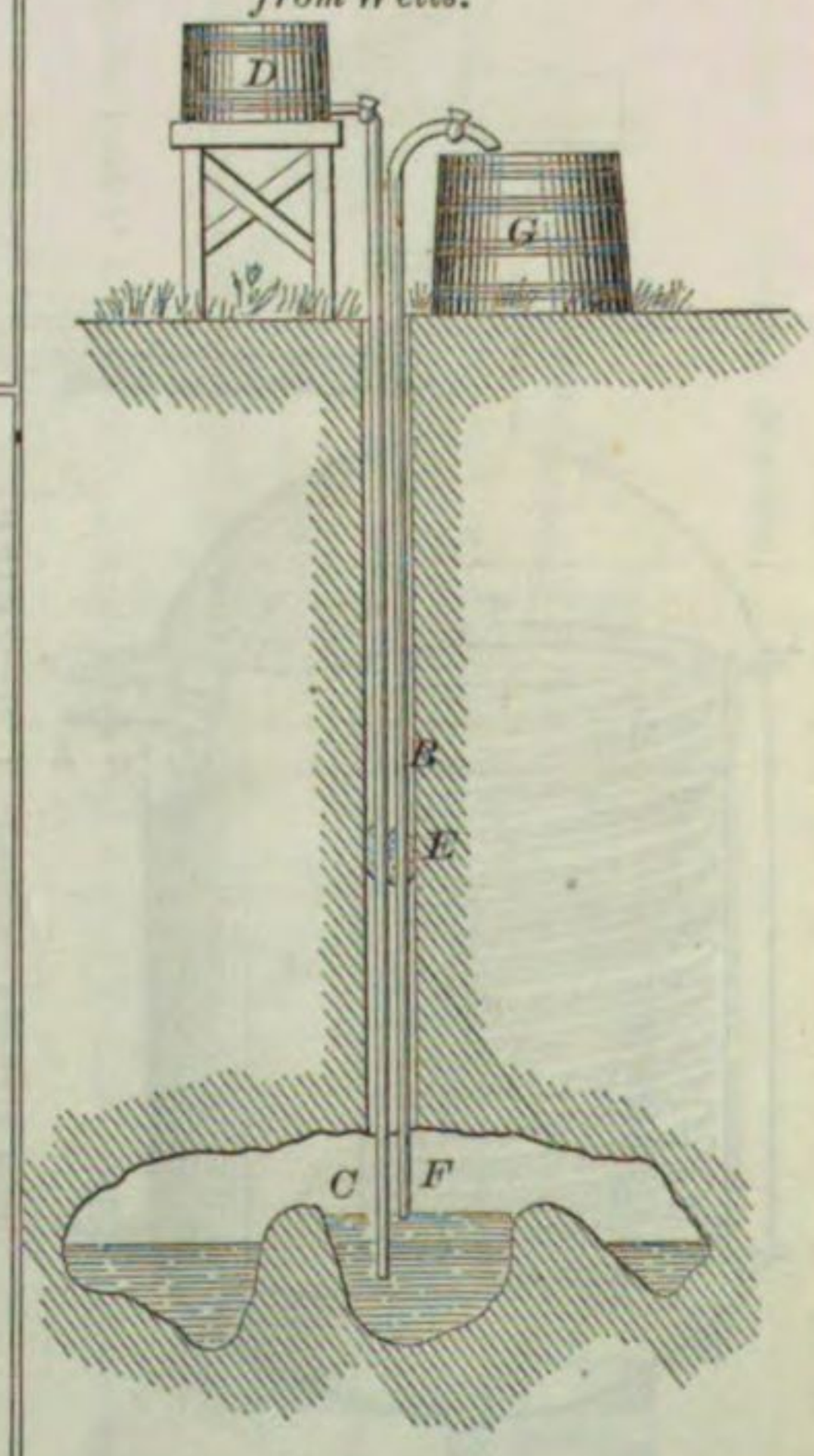
52206—A. K. Rider—*Steam Blower.*



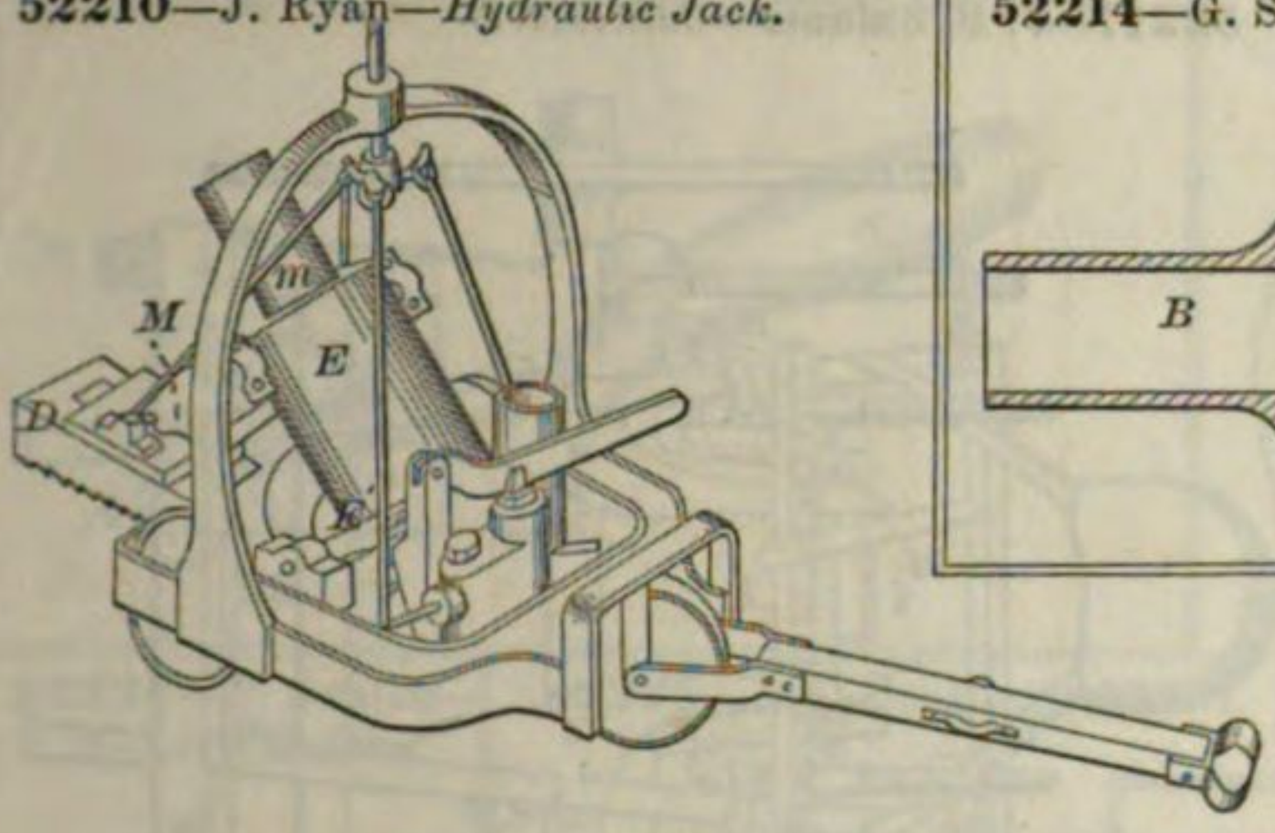
52208—J. Robertson—*Wine Press.*

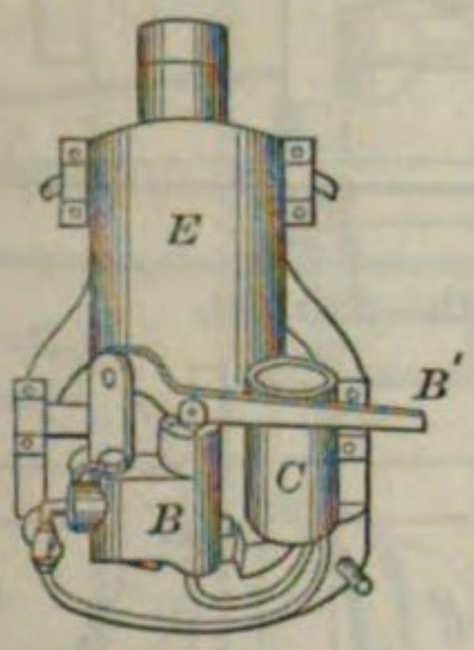


52209—O. Rotton—*Obtaining Oil from Wells.*

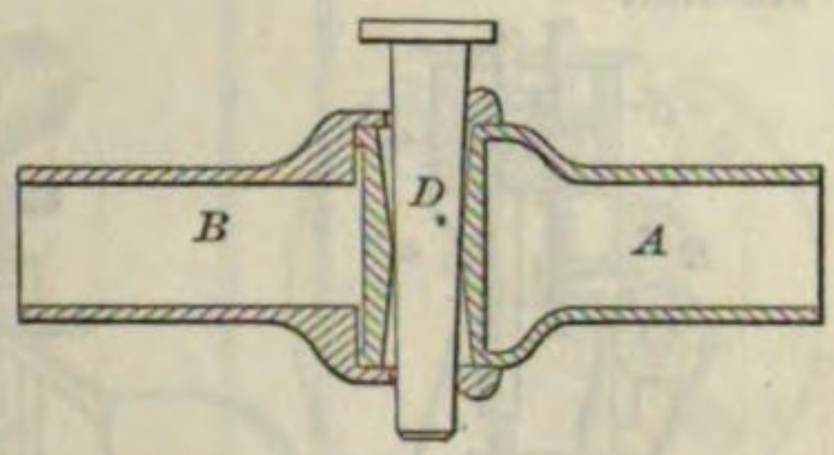


52210—J. Ryan—*Hydraulic Jack.*

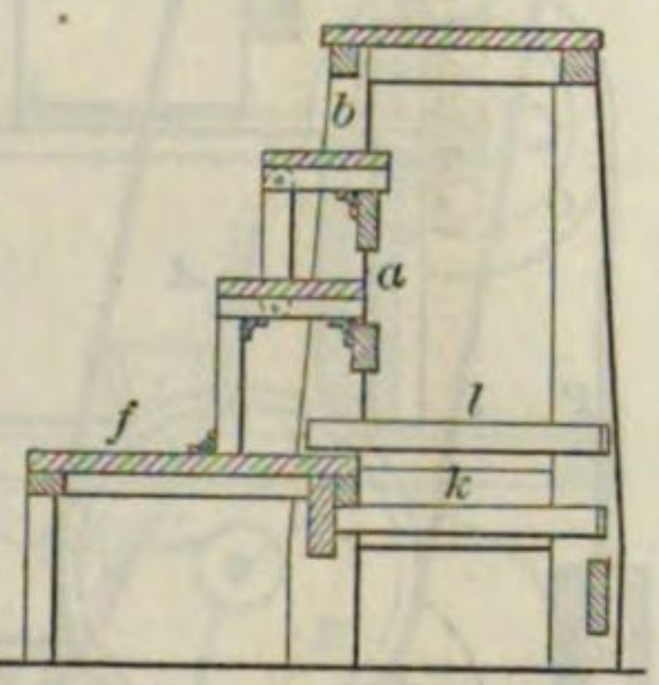




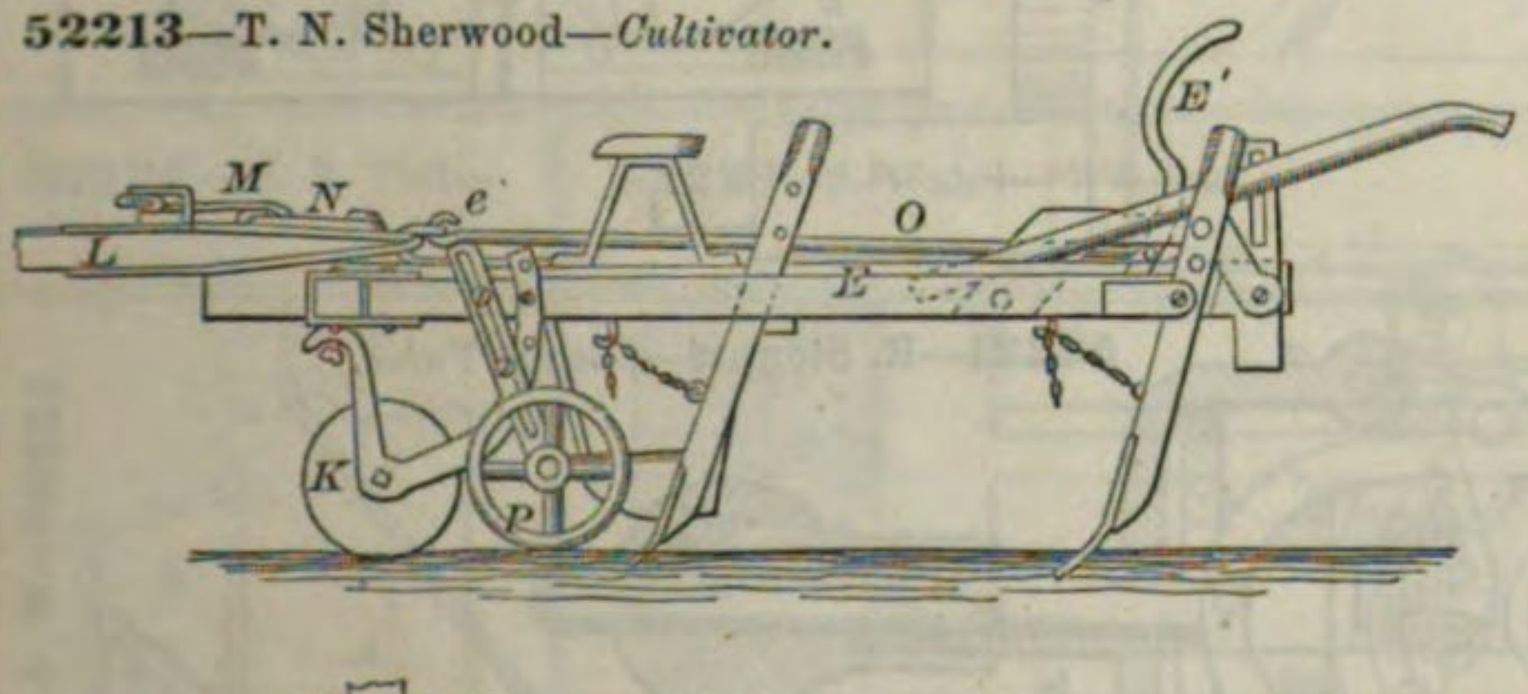
52214—G. Shone—*Pipe Coupling.*



52211—C. C. Schmitt—*Step Ladder.*

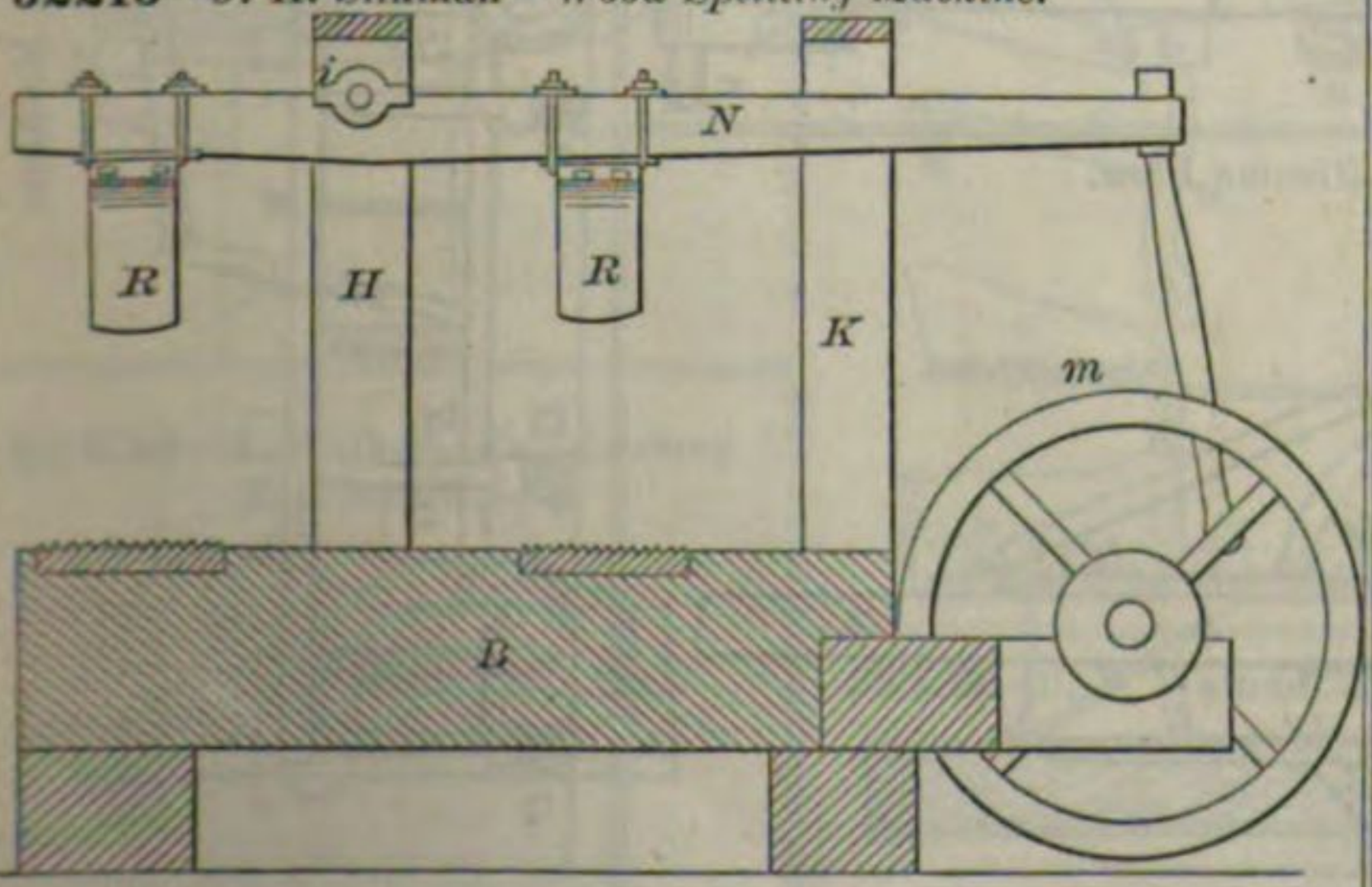


52213—T. N. Sherwood—*Cultivator.*

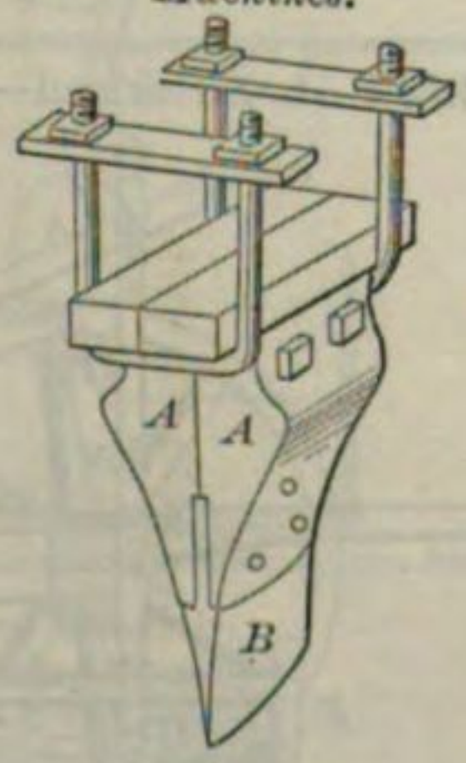


52212—Sennett & Essex—*Skate.*

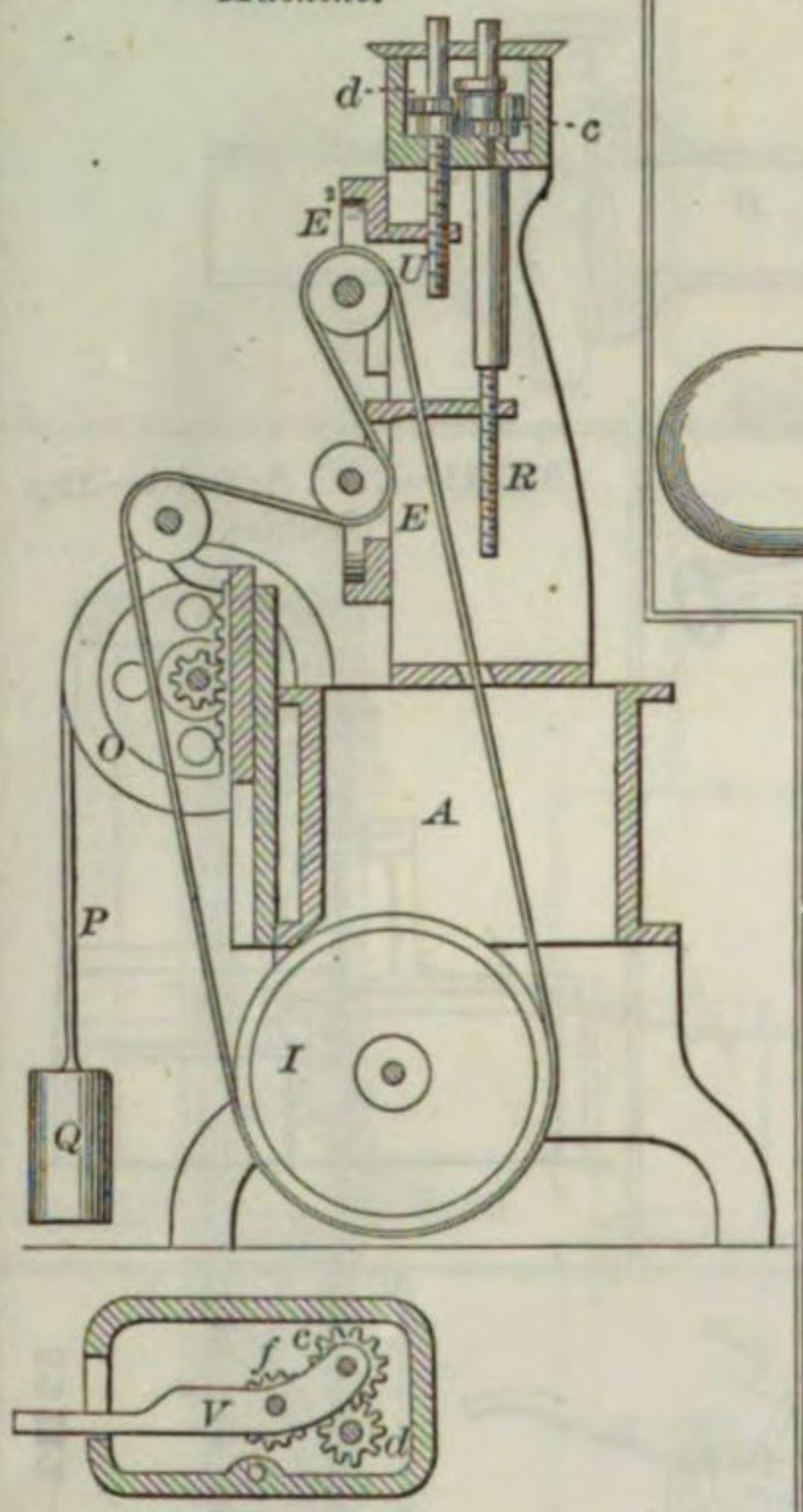
52215—J. H. Silkman—*Wood Splitting Machine.*



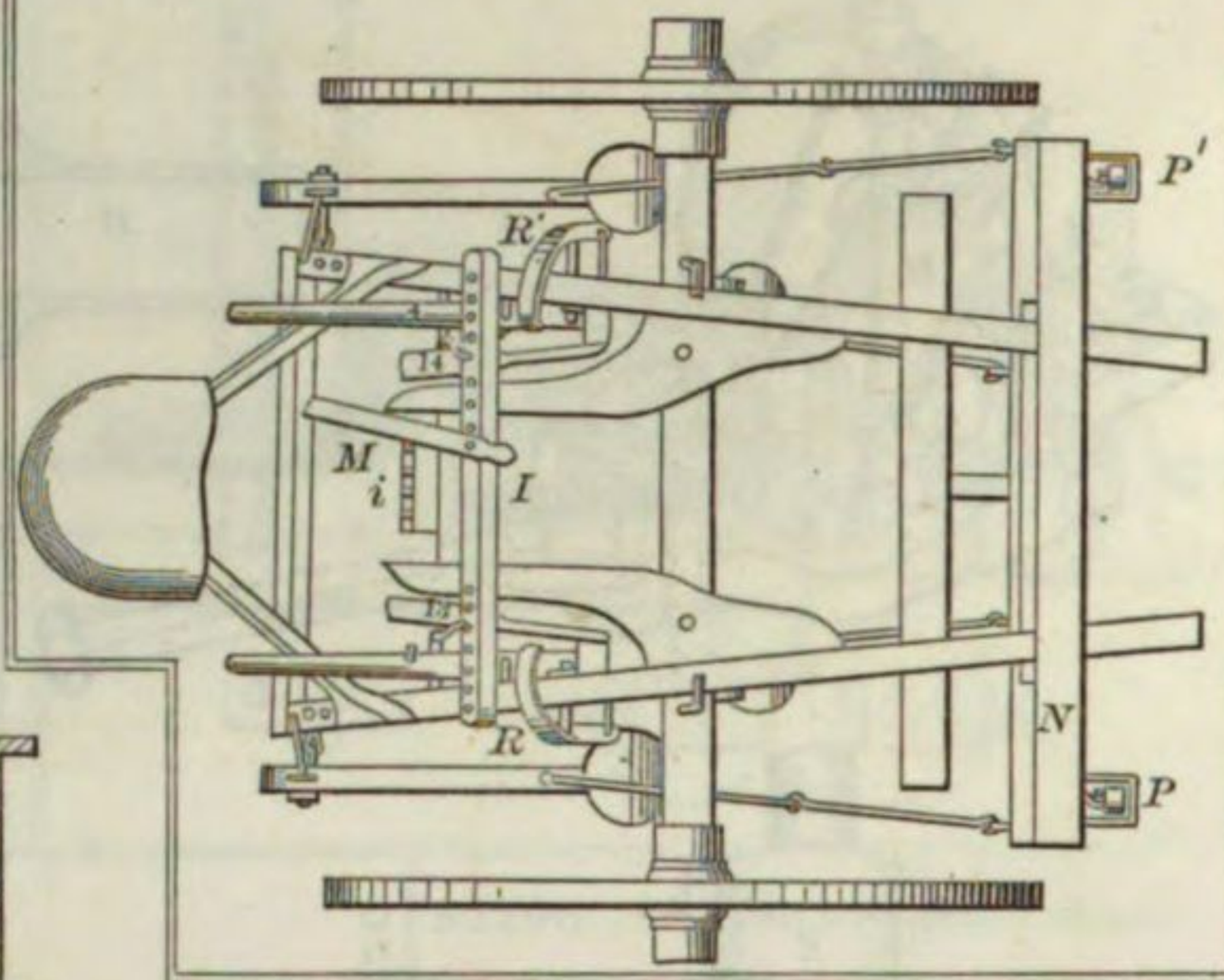
52216—J. H. Silkman—*Axe for Wood Splitting Machines.*



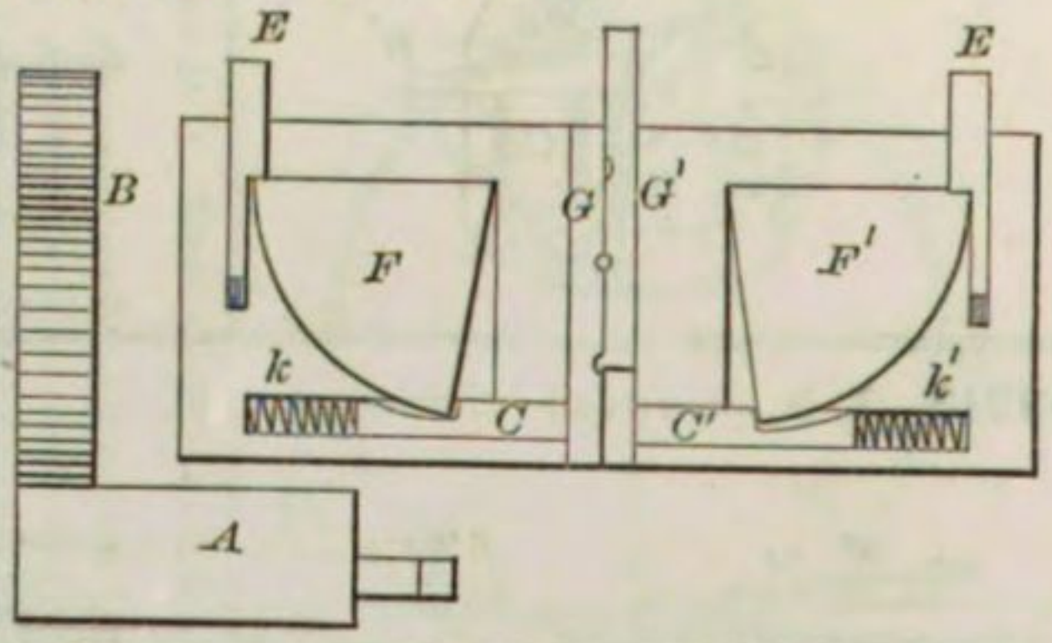
52219—H. B. Smith—*Tenoning Machine.*



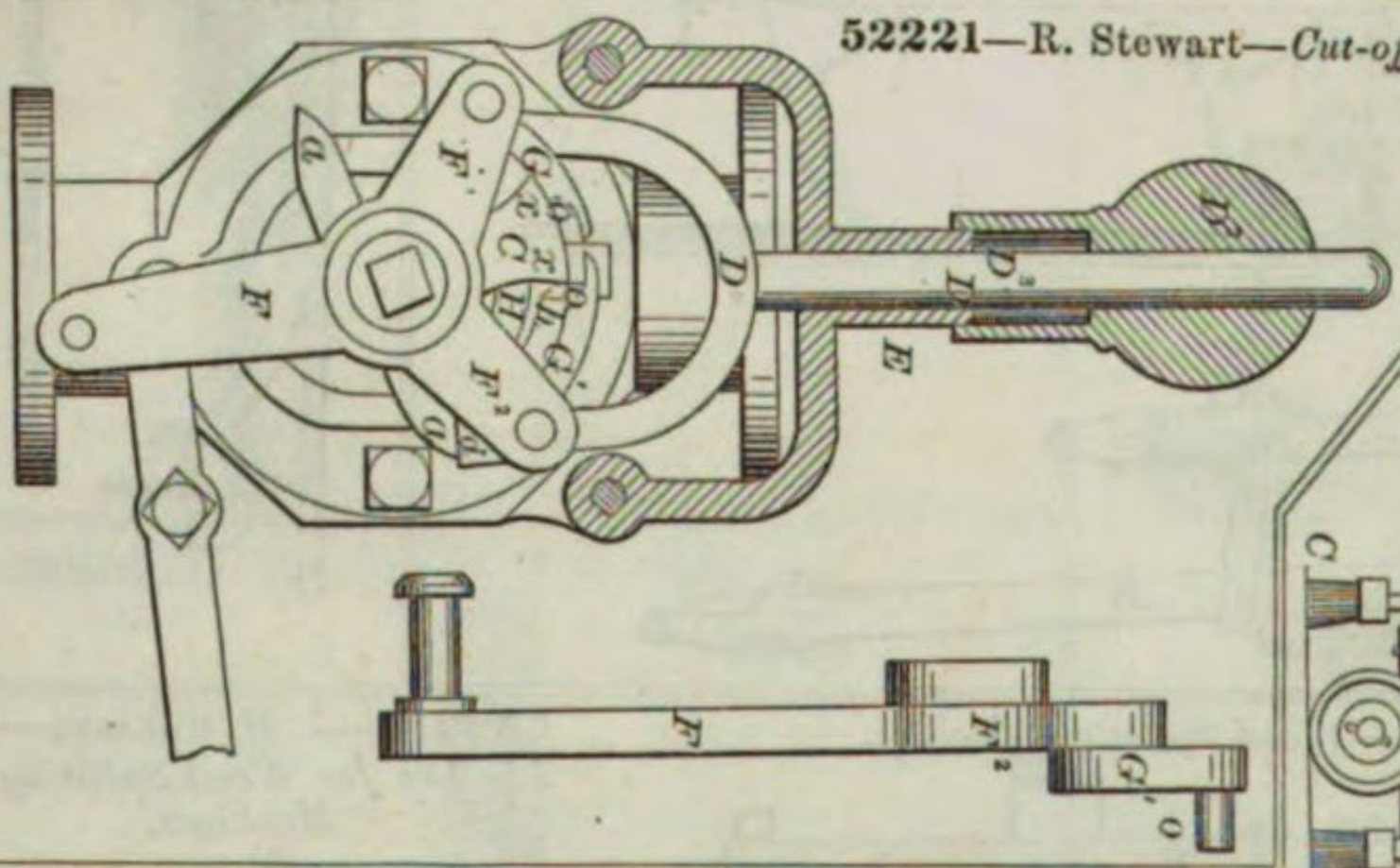
52217—J. B. Skinner—*Cultivator.*



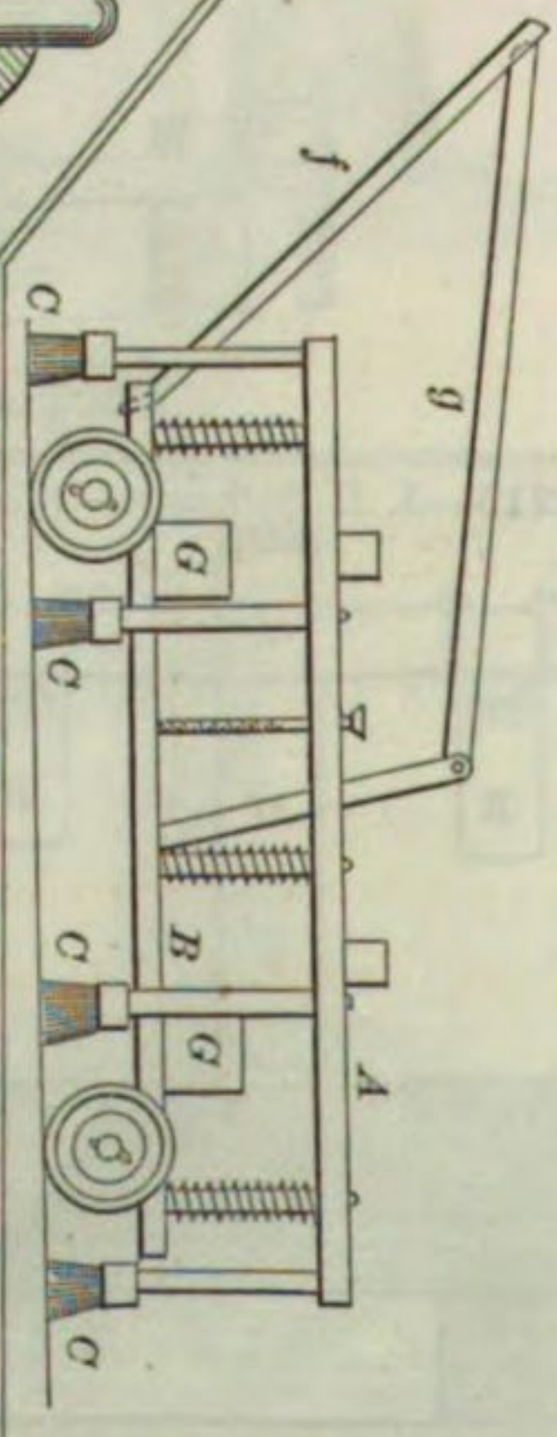
52218—E. Smith—*Saw Set.*



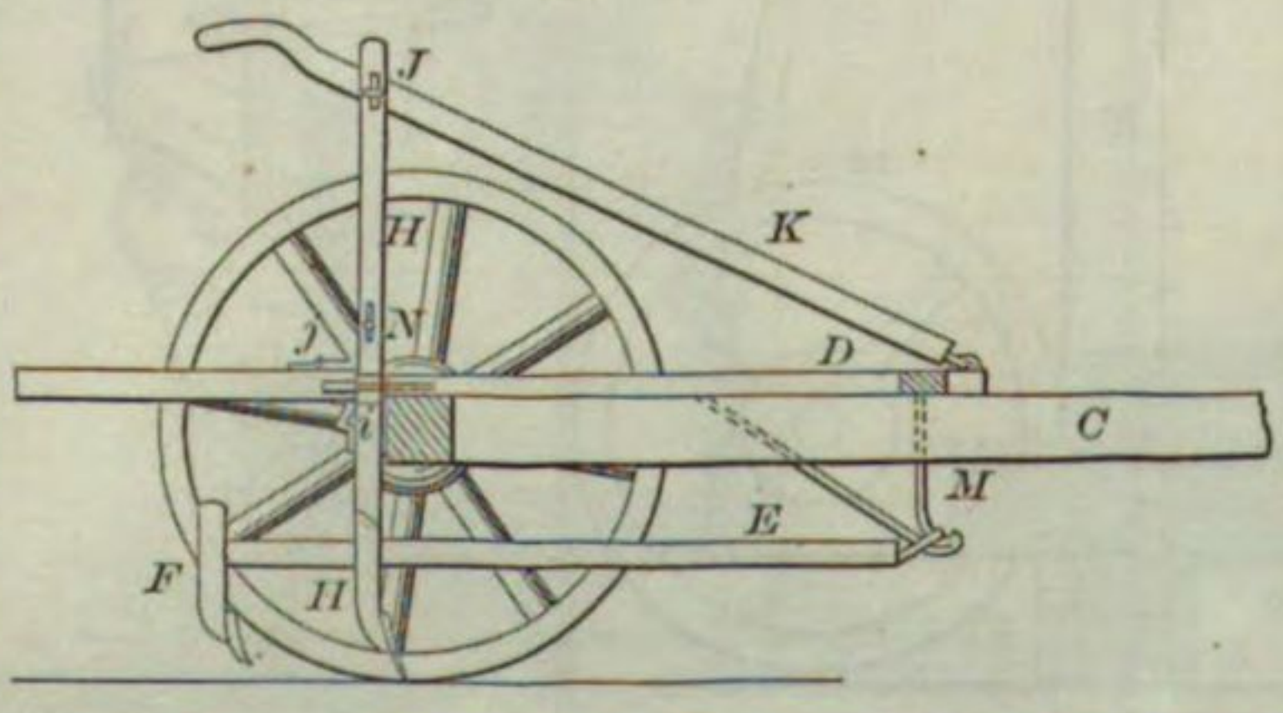
52221—R. Stewart—*Cut-off Valve.*



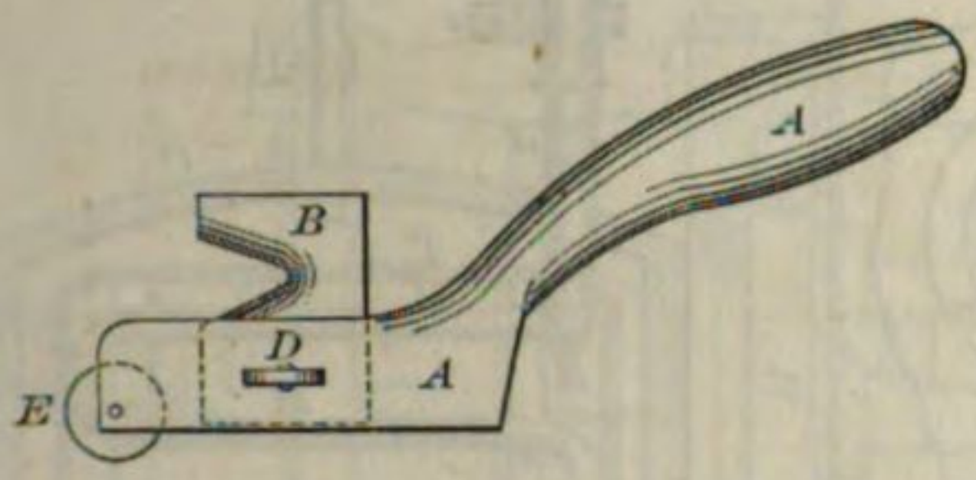
52220—W. S. Smyth—*Scrubbing Machine.*



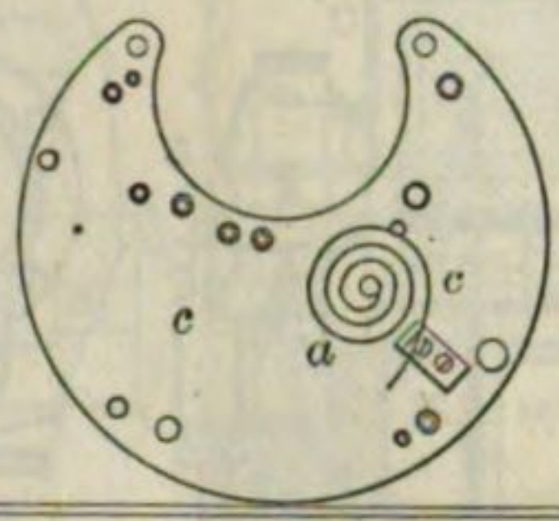
52222—L. Strickland—*Cultivator Plow.*



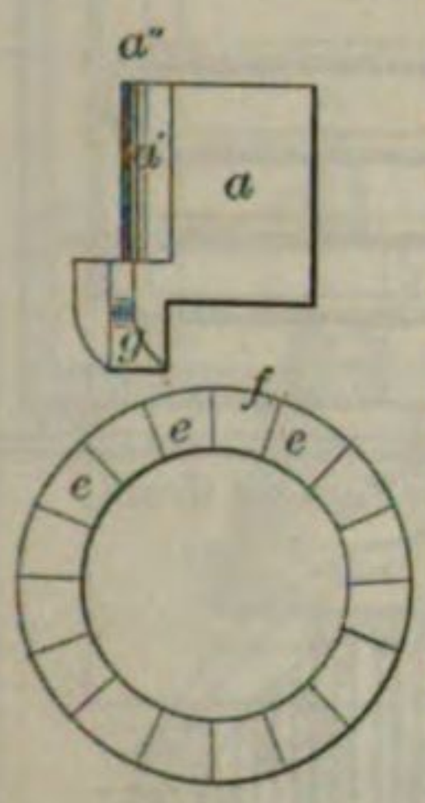
52223—M. A. Sunderland—*For Cutting Oil Cloth.*



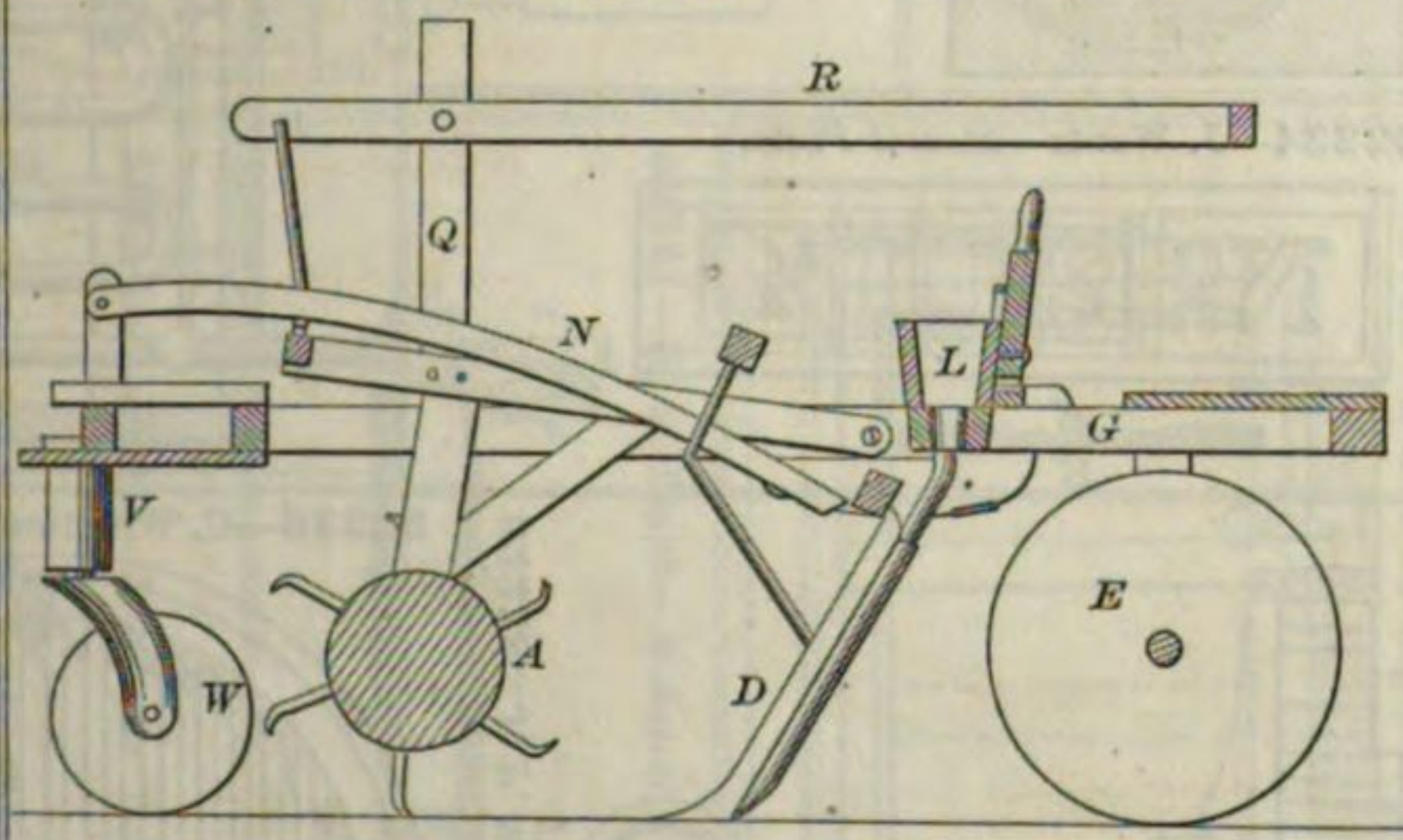
52227—A. Wadsworth—*Watch.*



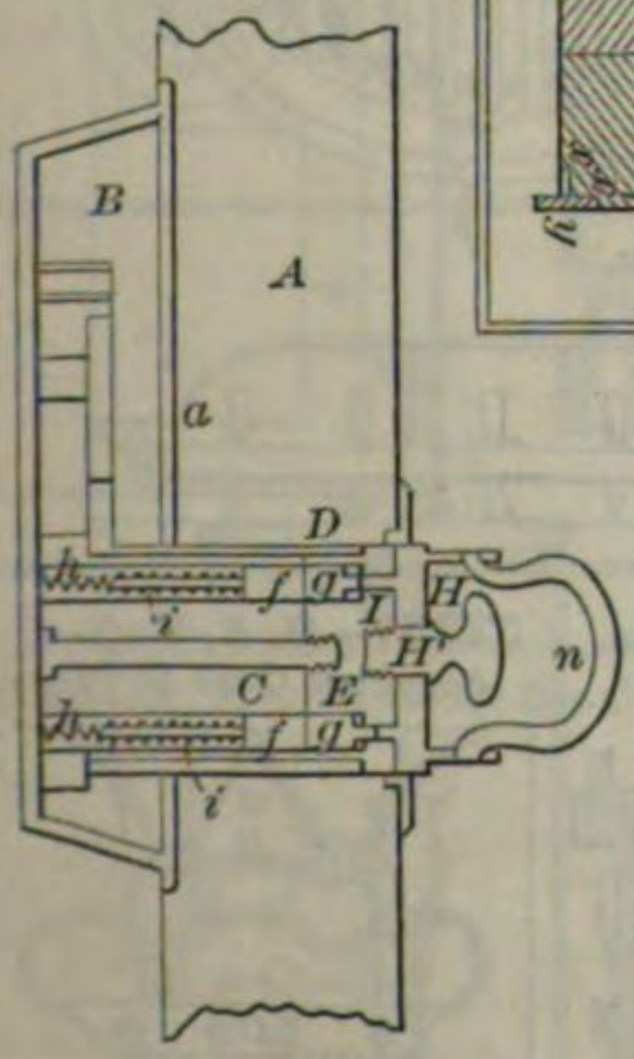
52224—F. Swatzel—*Water Wheel.*



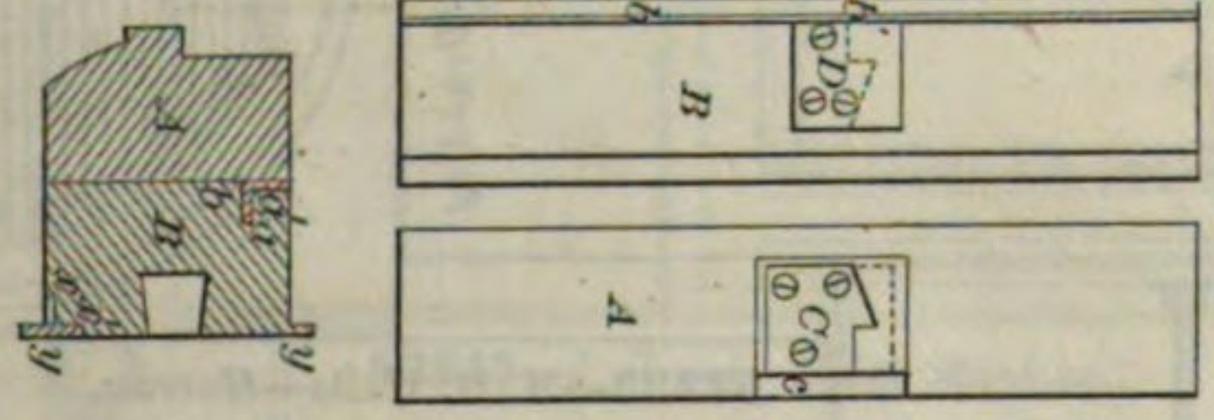
52225—J. Tedford—*Seed Drill.*



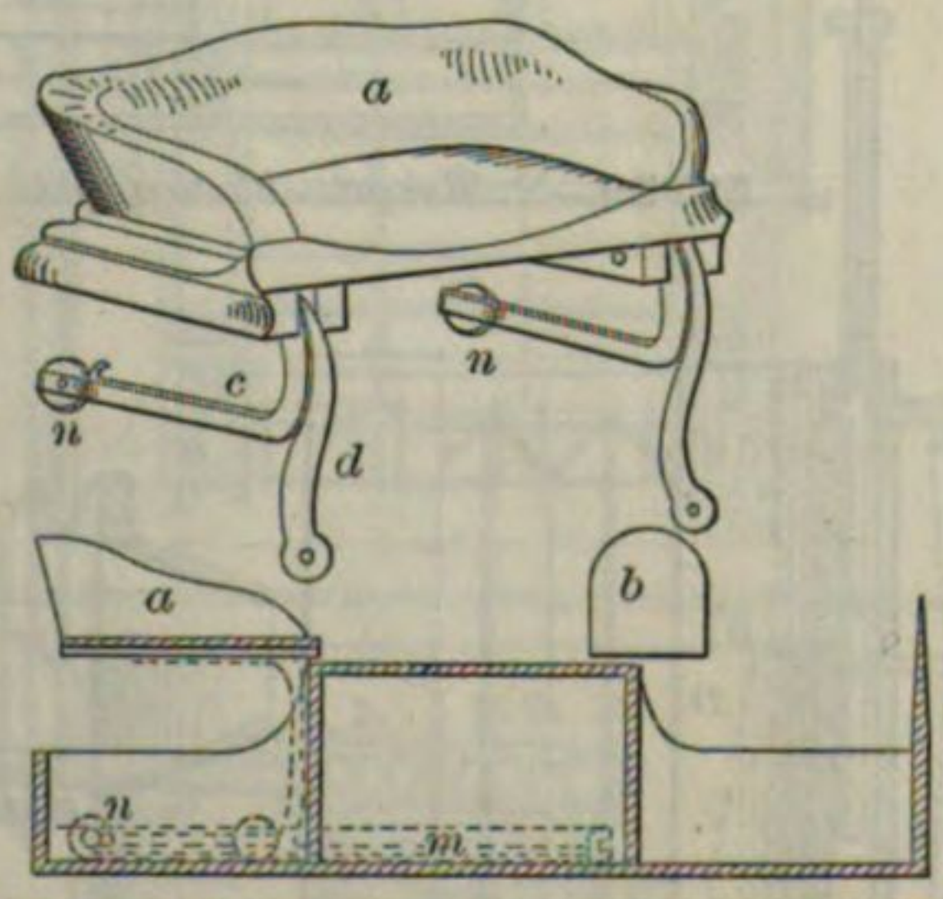
52226—C. F. Toll—*Lock.*



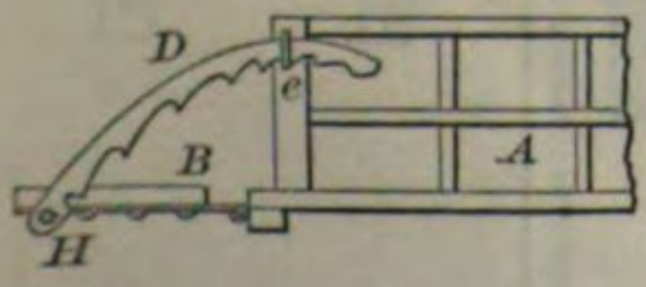
52228—S. Wales—*Window.*



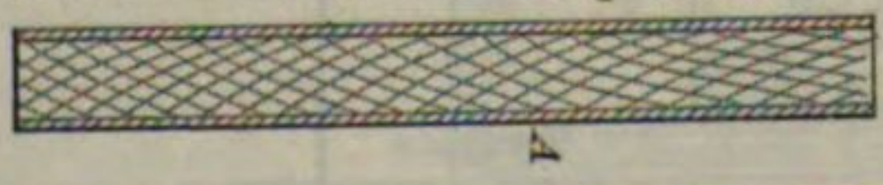
52229—R. Walker—*Carriage Seat.*



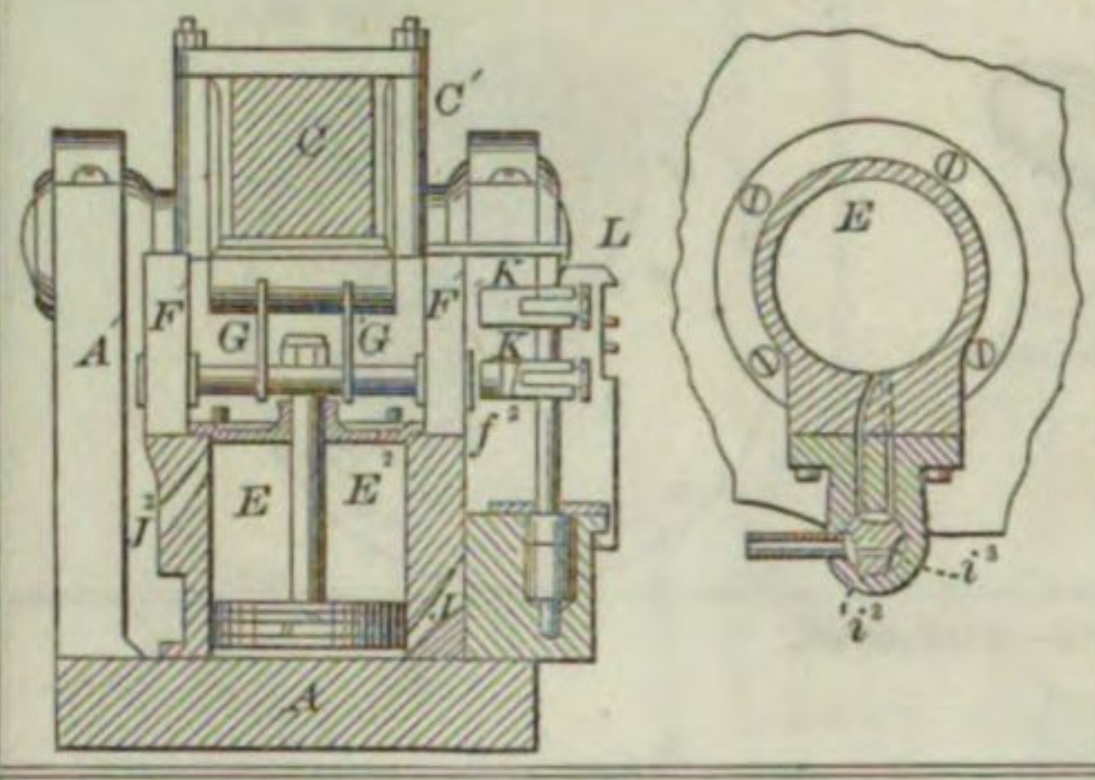
52230—S. Walker—*Self-Locking Tail Board.*



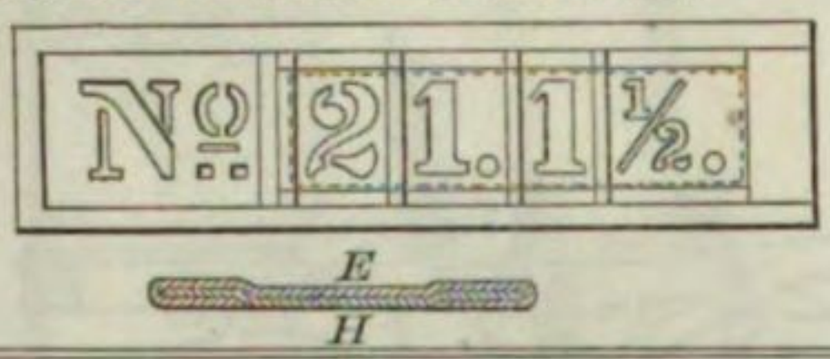
52231—B. F. Walton—*Lamp Wick.*



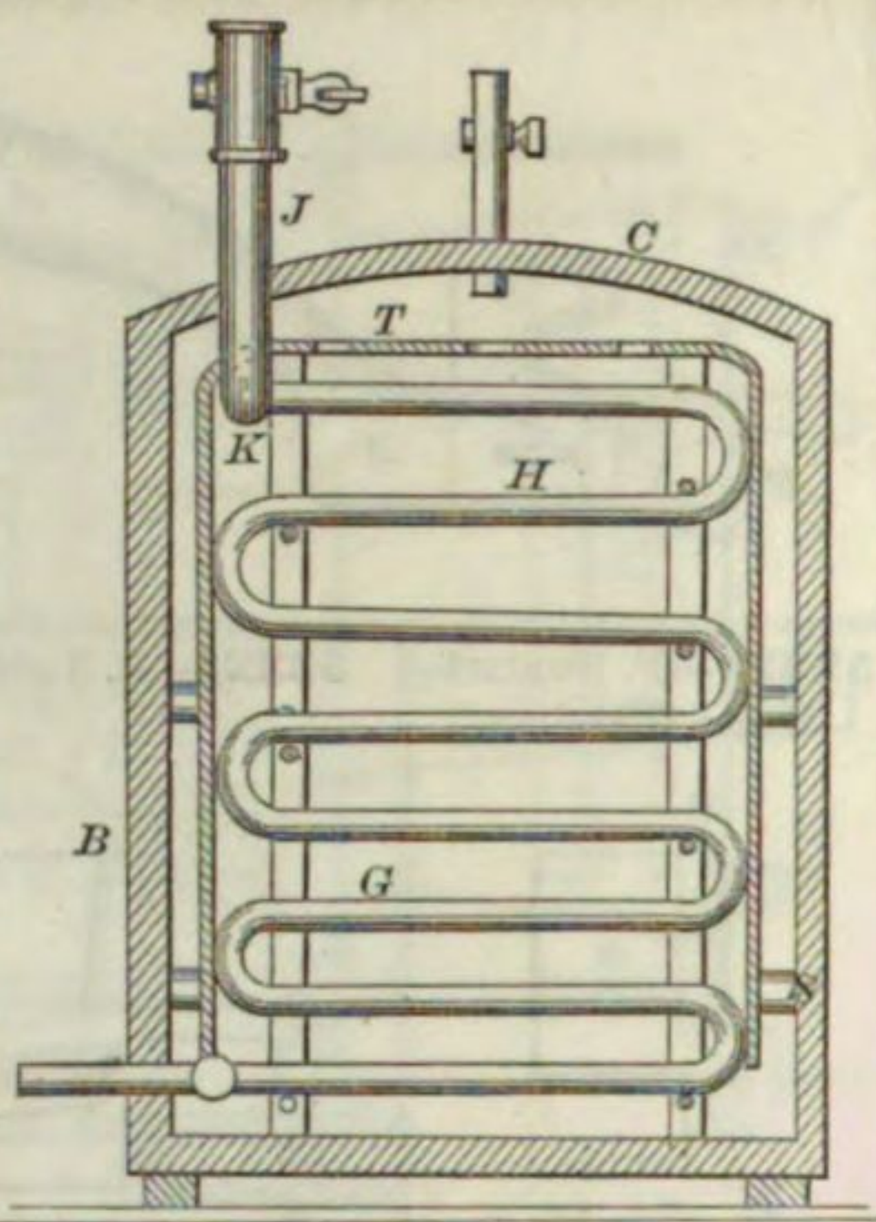
52232—J. Watt—*Steam Hammer.*



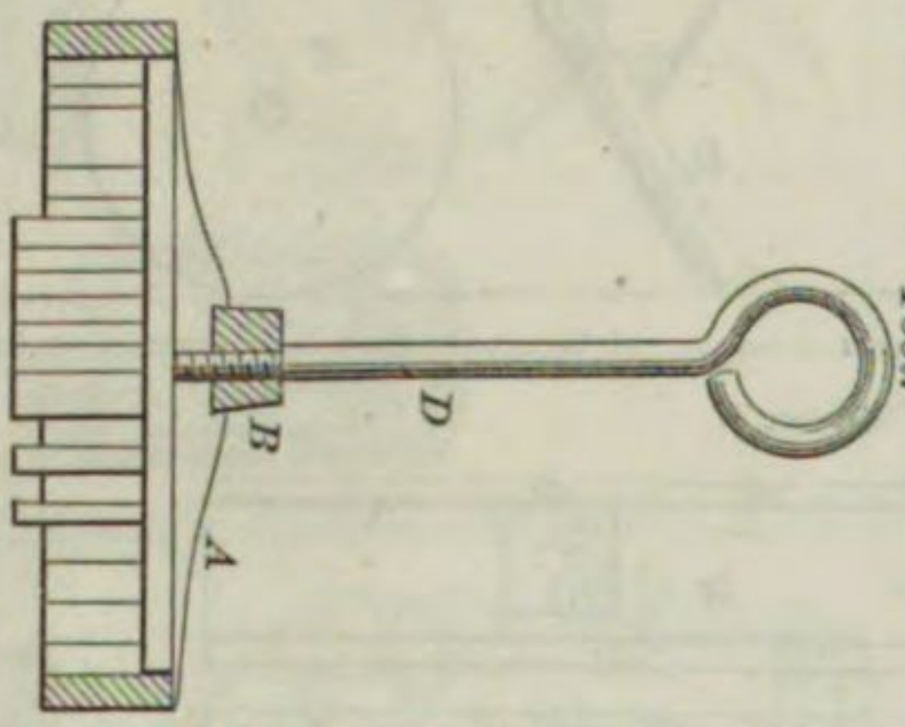
52234—J. Wentz—*Stencil Plate.*



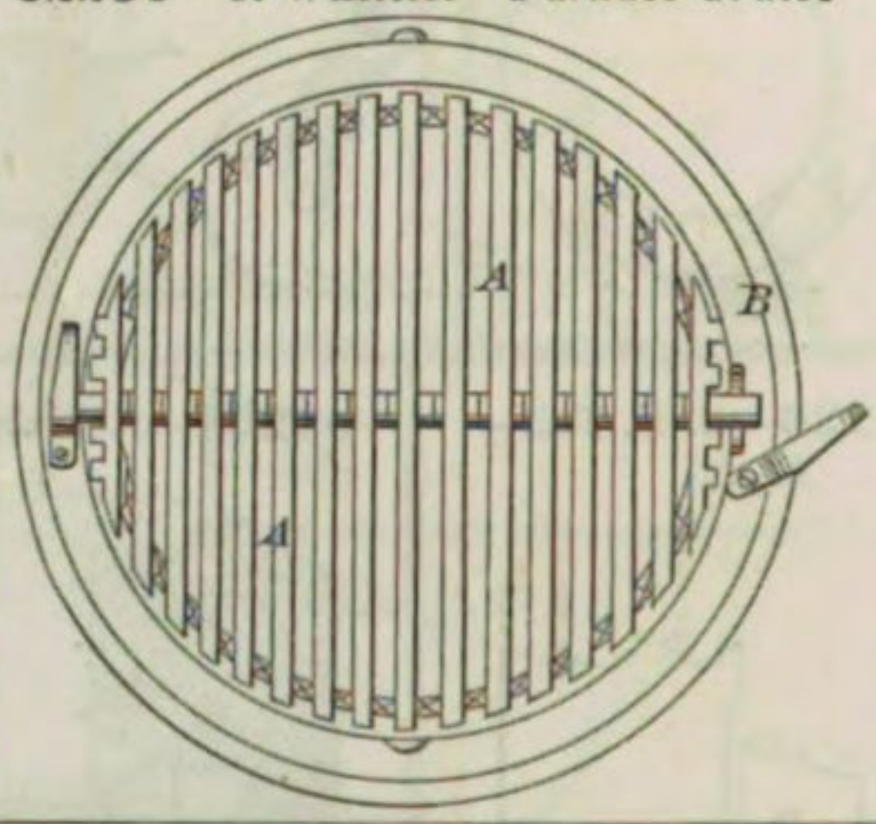
52235—J. G. Whitlock—*Steam Oven.*



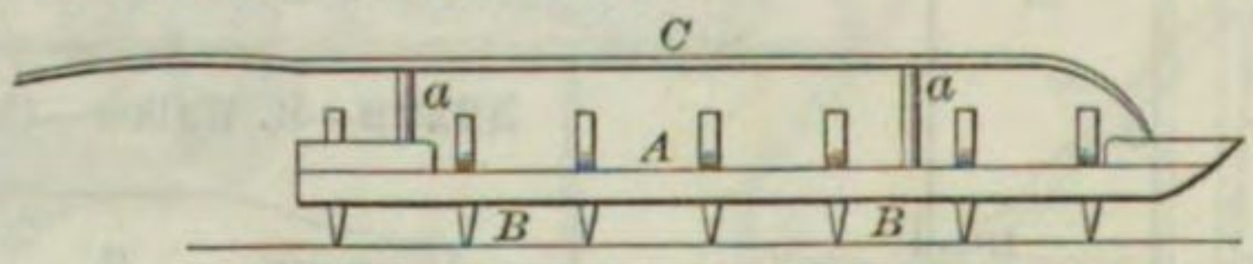
52238—J. P. Worrall—*Branding Tool.*



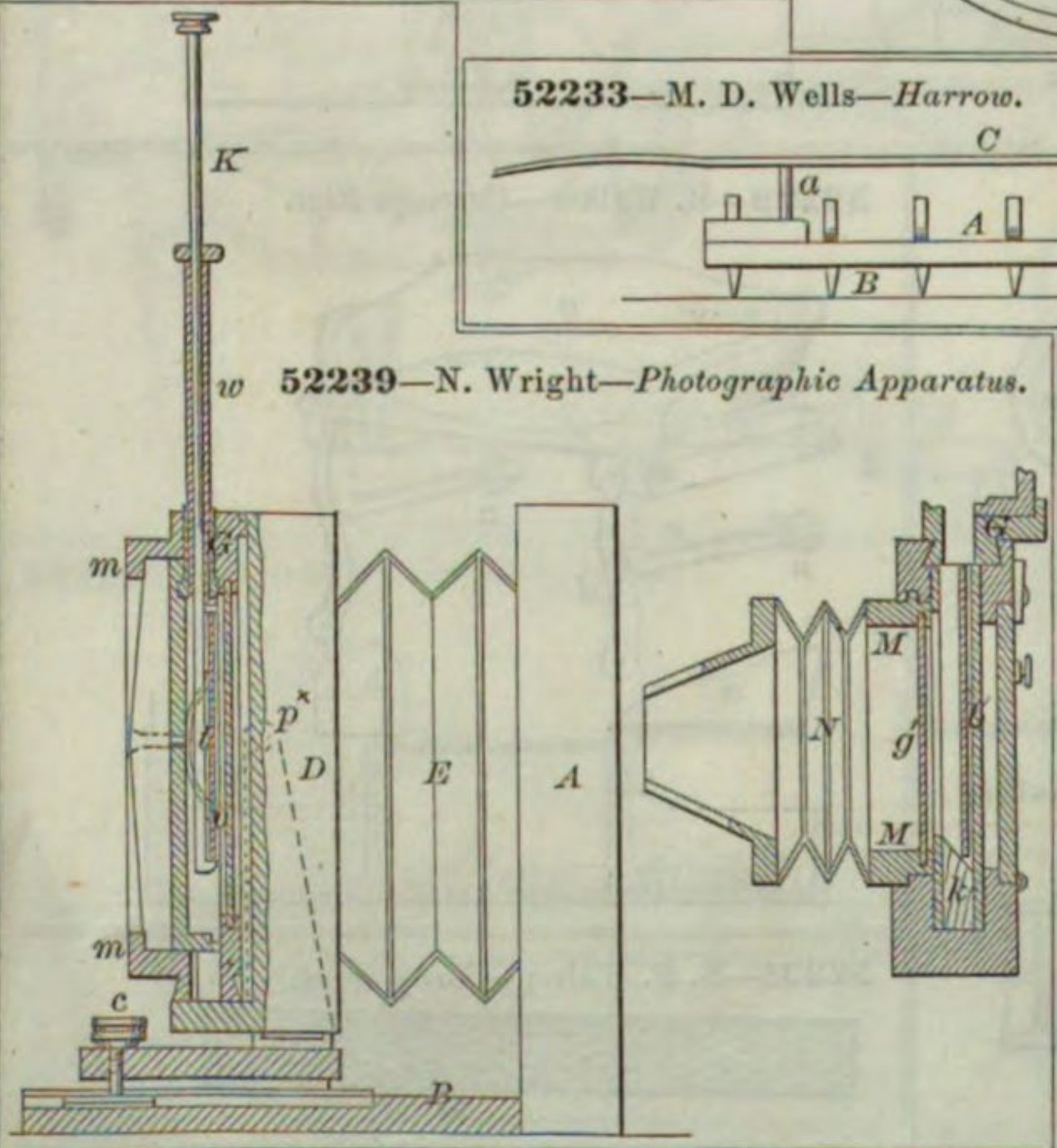
52236—C. Whittier—*Furnace Grate.*



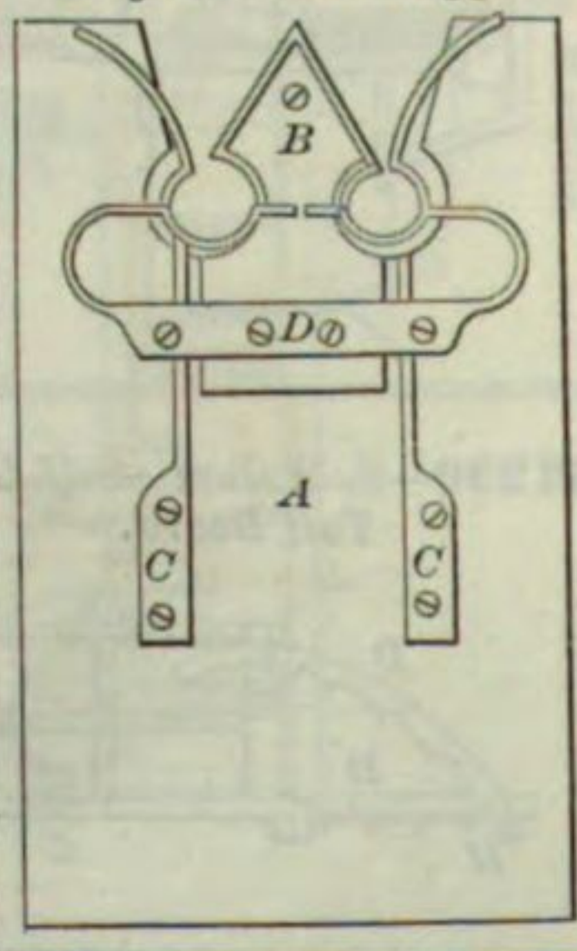
52233—M. D. Wells—*Harrow.*



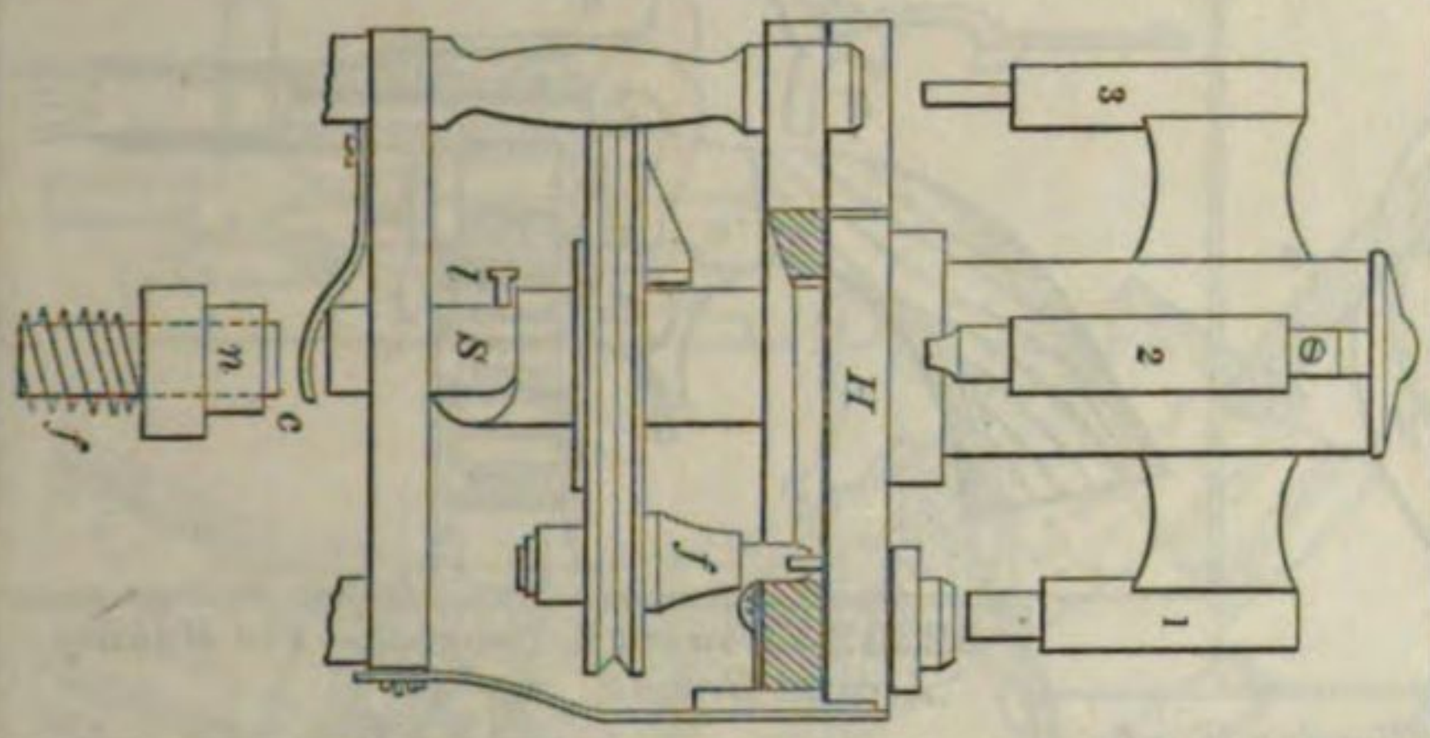
52239—N. Wright—*Photographic Apparatus.*



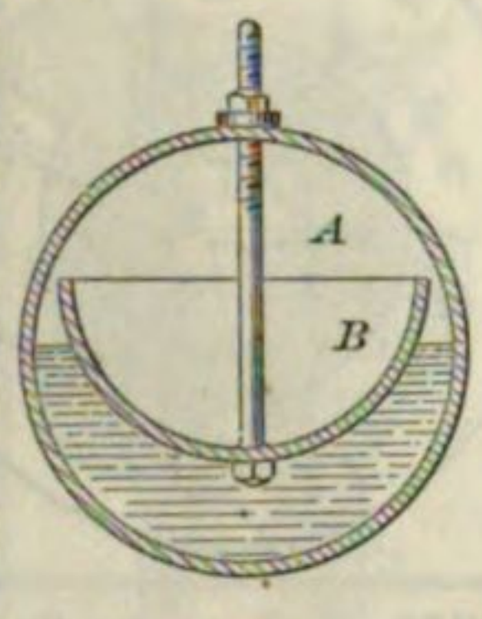
52237—H. B. Wolf—*Sorghum Cane Stripper.*



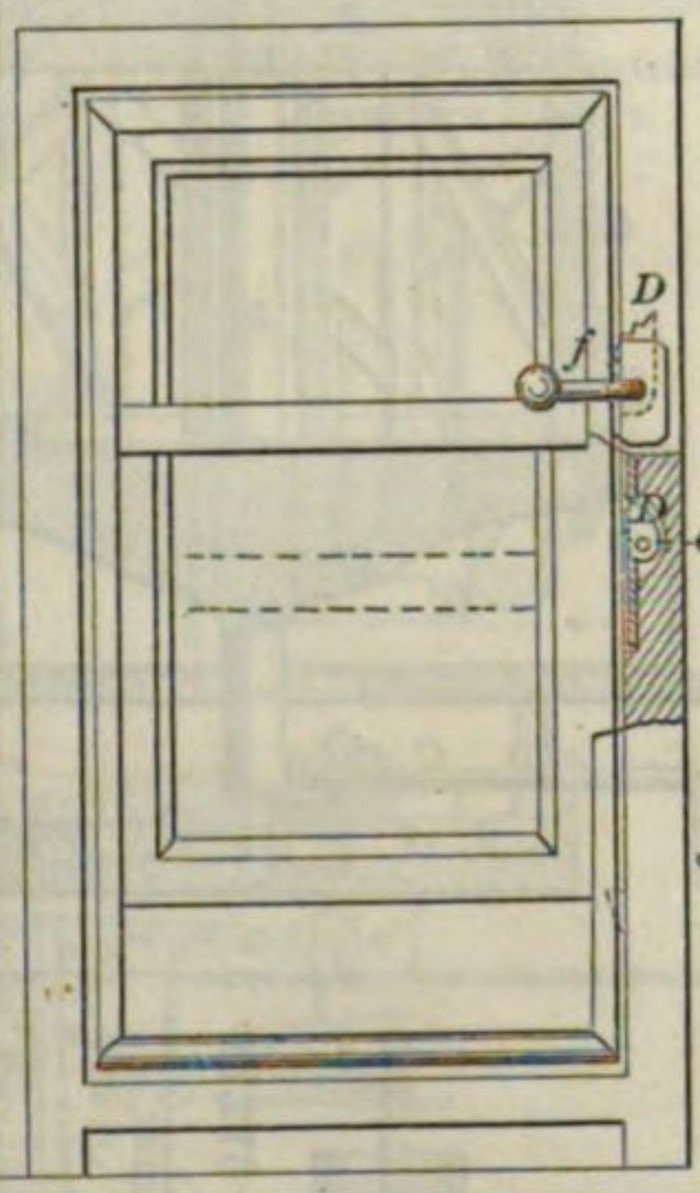
52240—S. W. Young—*For Making Eyelet Blanks.*



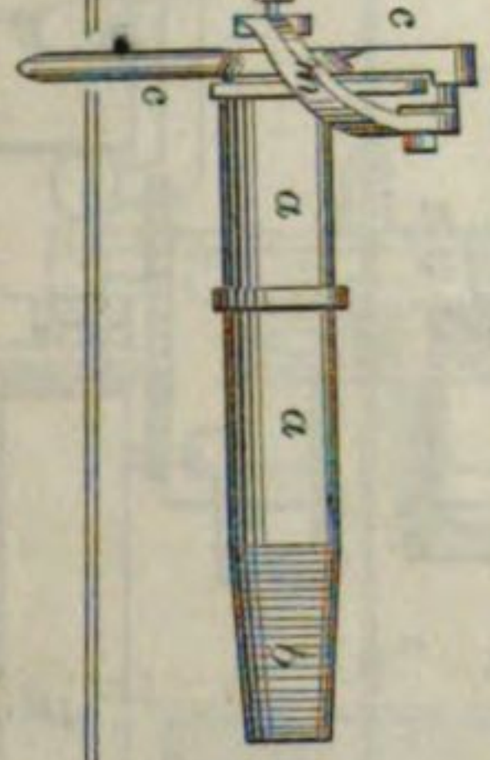
52243—C. H. Ford—*Steam Generator.*



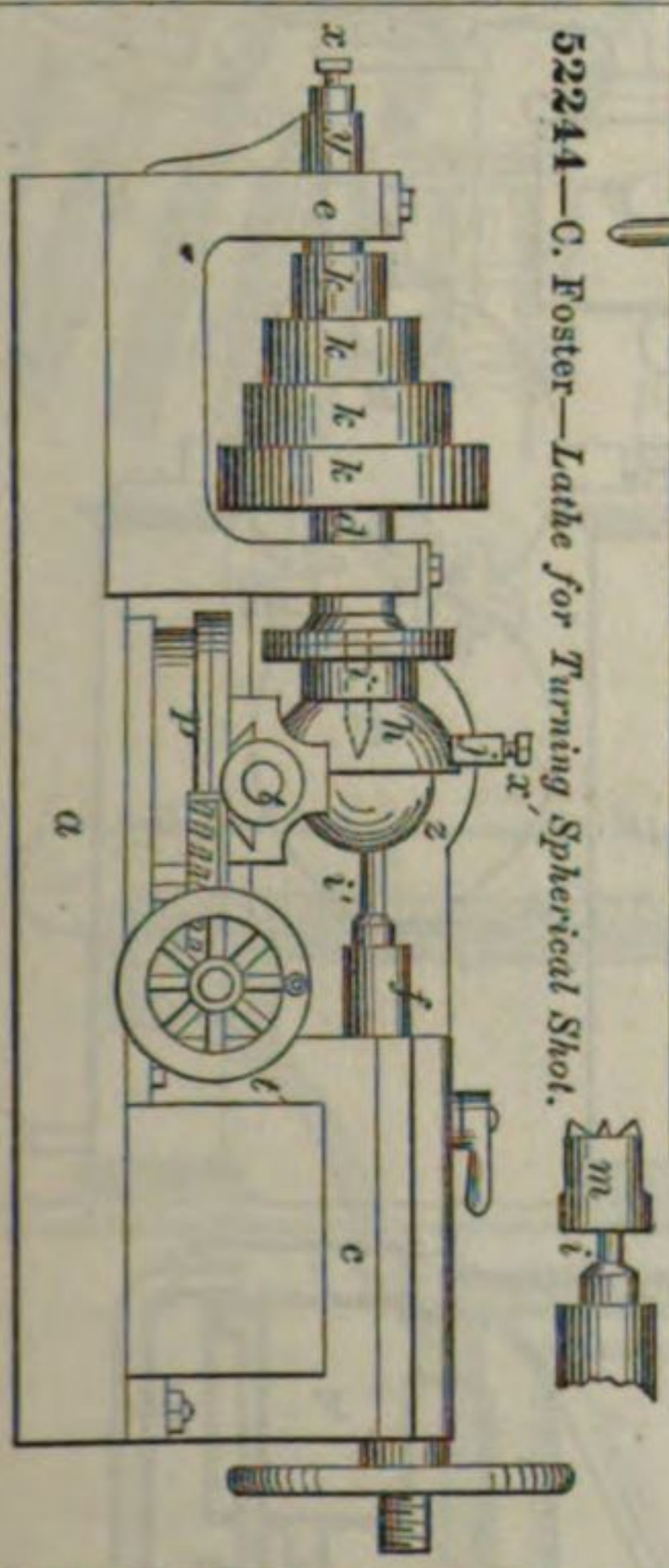
52242—I. B. Cottrell—*Sash Fastening.*



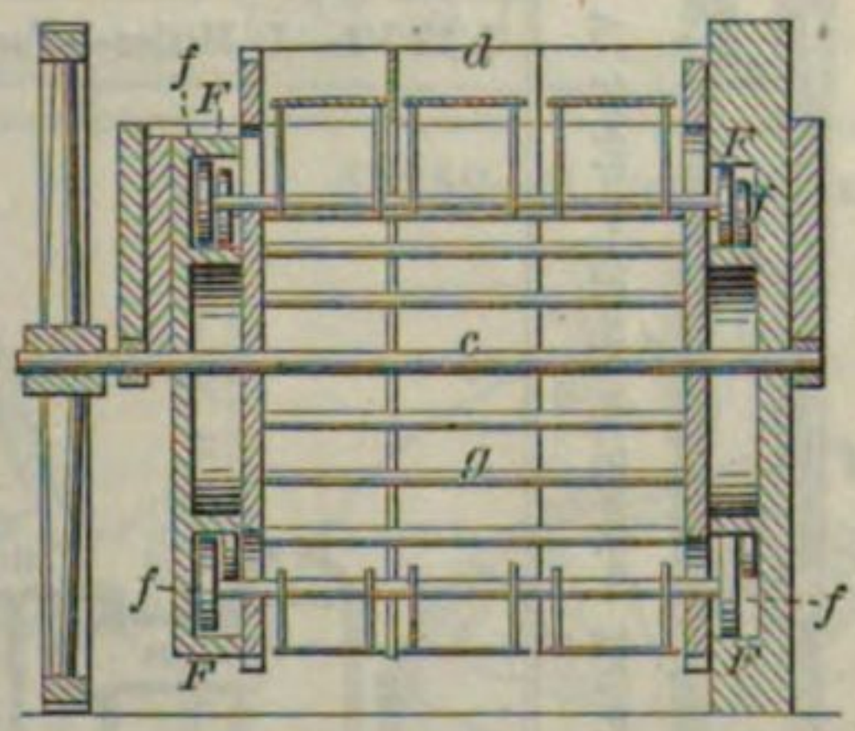
52241—H. D. Blake—*Molasses Faucet.*



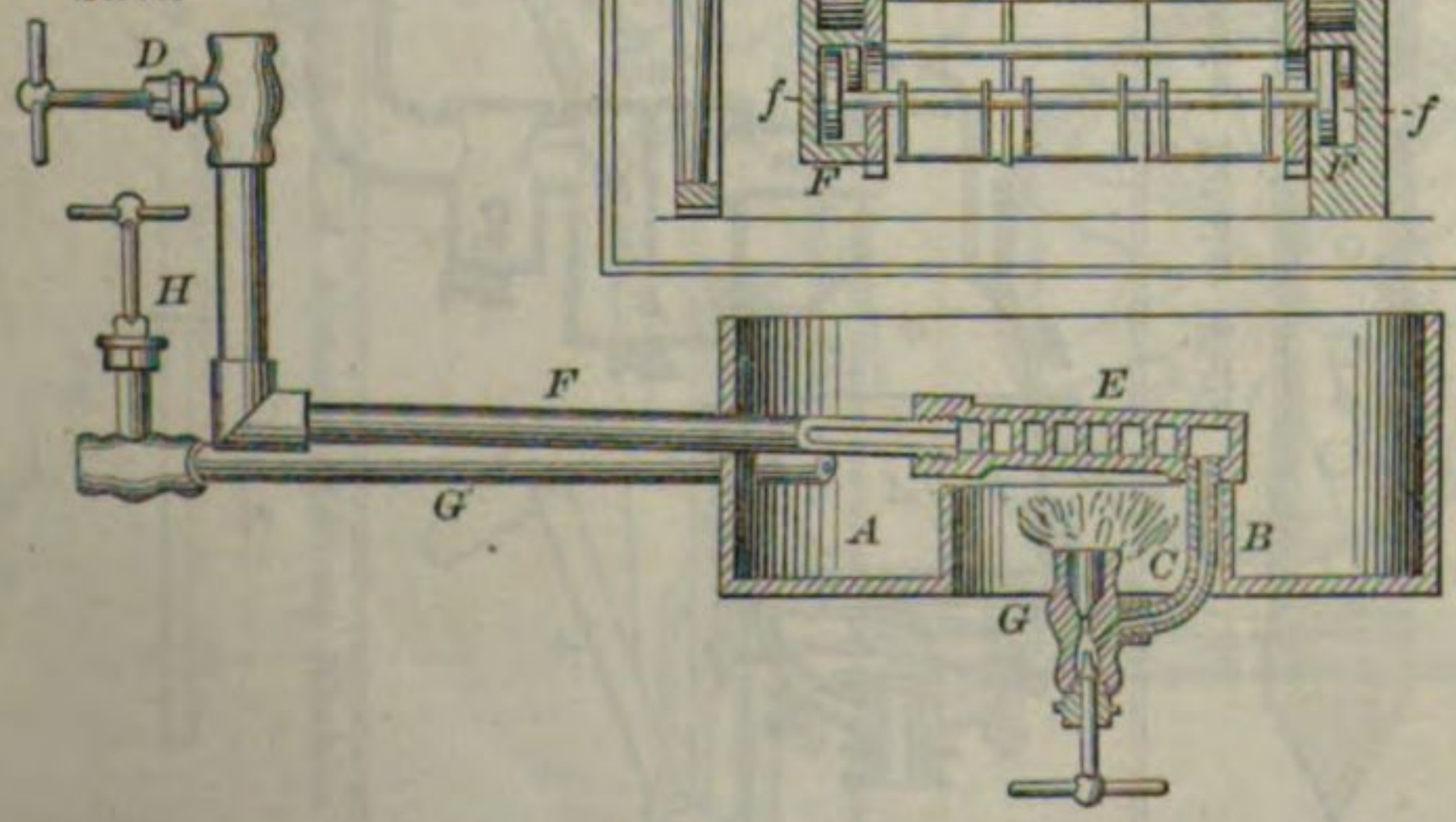
52244—C. Foster—*Lathe for Turning Spherical Shot.*



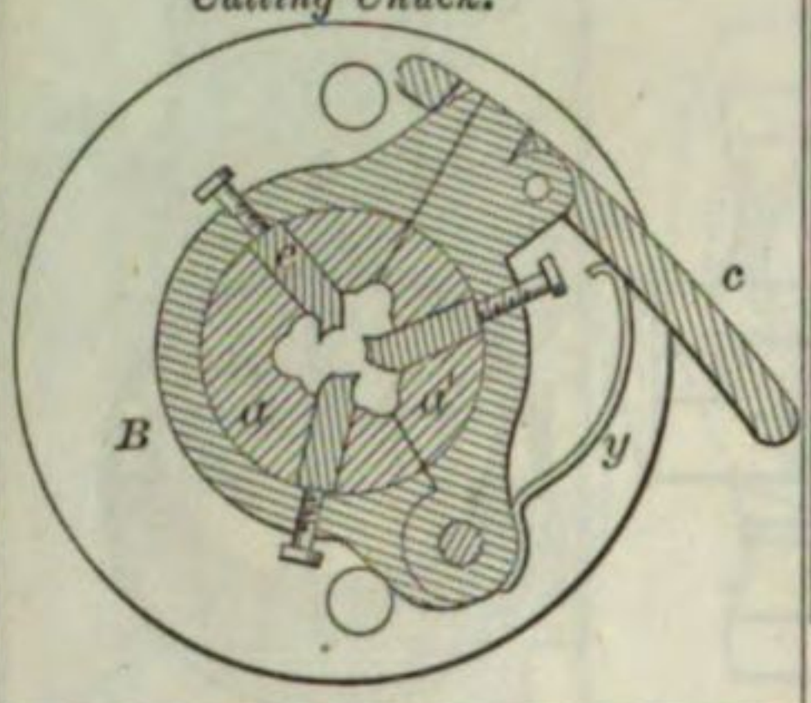
52245—J. Grant—*Brick Machine.*



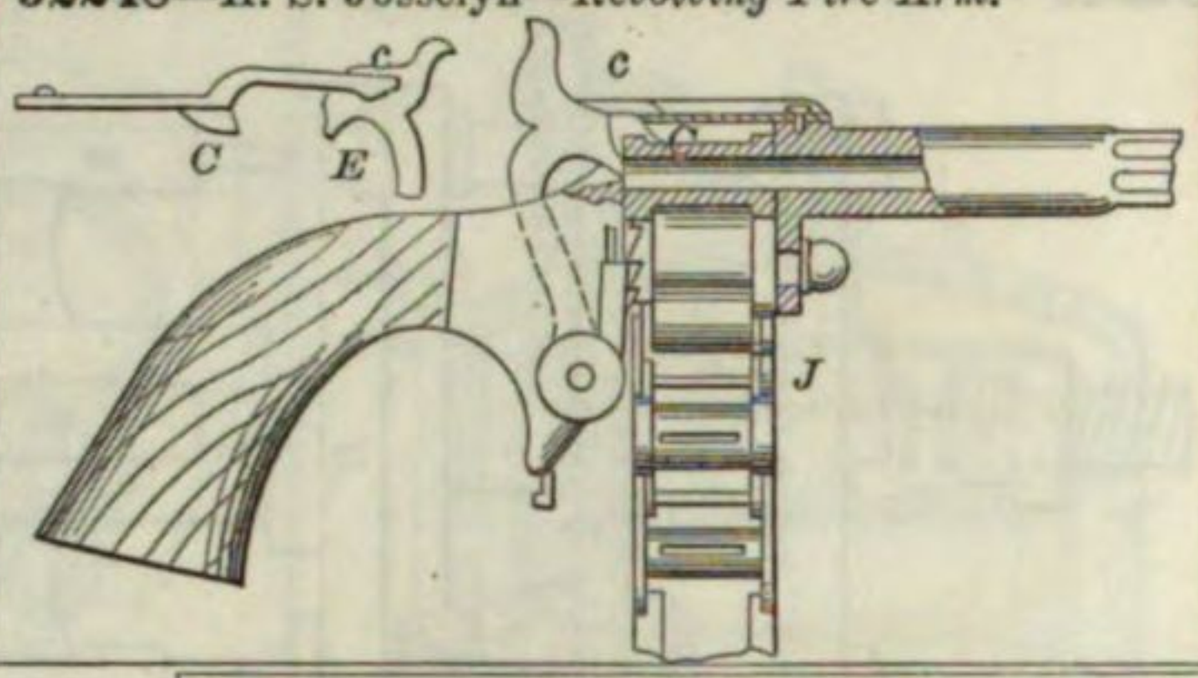
52246—A. J. Griffin—*Hydro-Carbon Stove.*



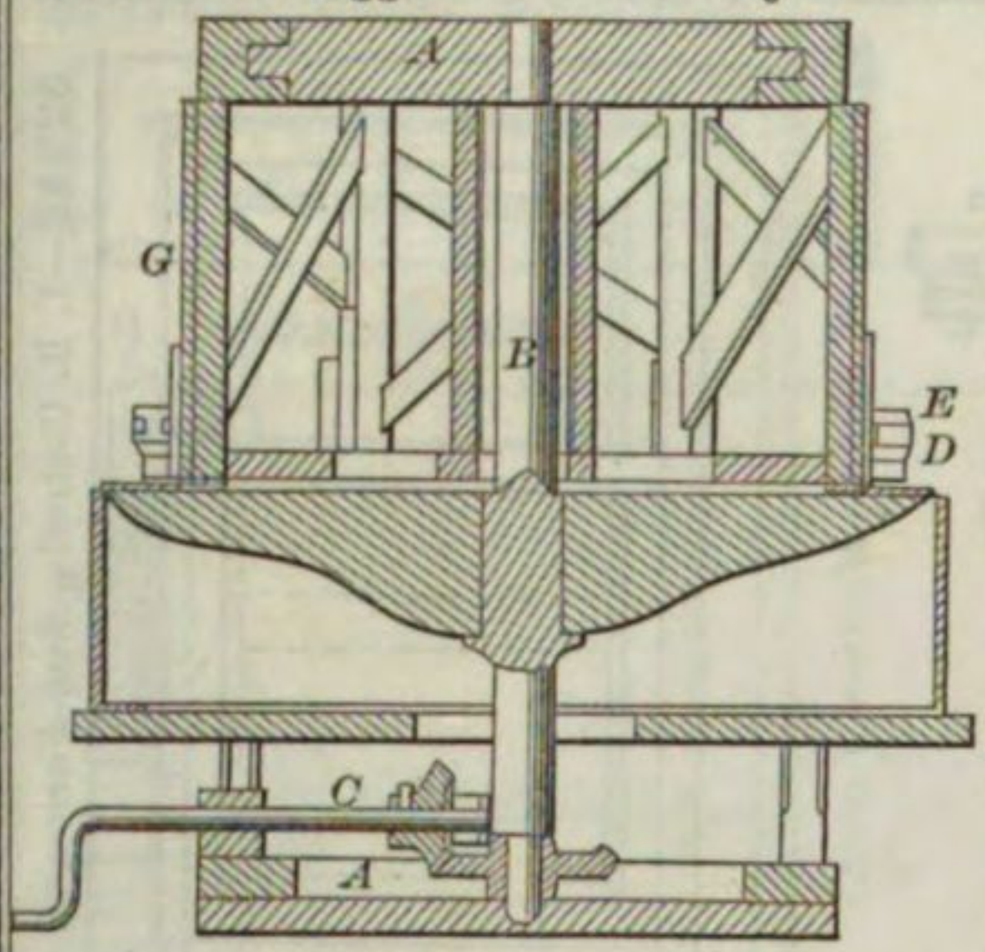
52247—F. H. Higgins—*Screw Cutting Chuck.*



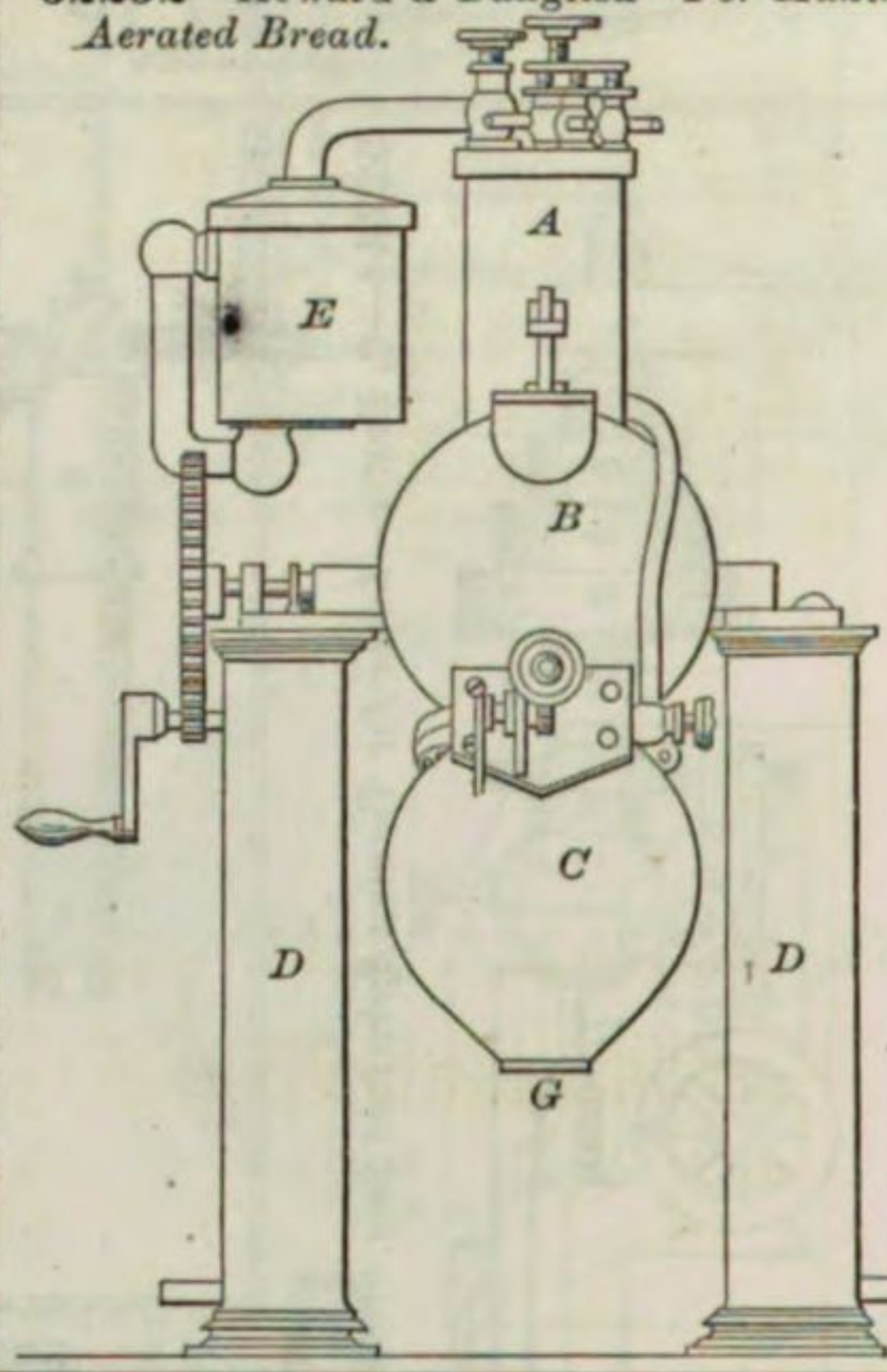
52248—H. S. Josselyn—*Revolving Fire Arm.*



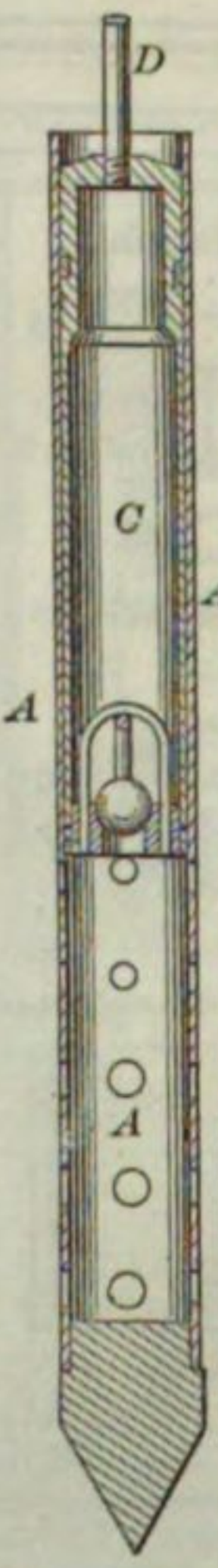
52251—J. Taggart—*For Slivering Wood.*



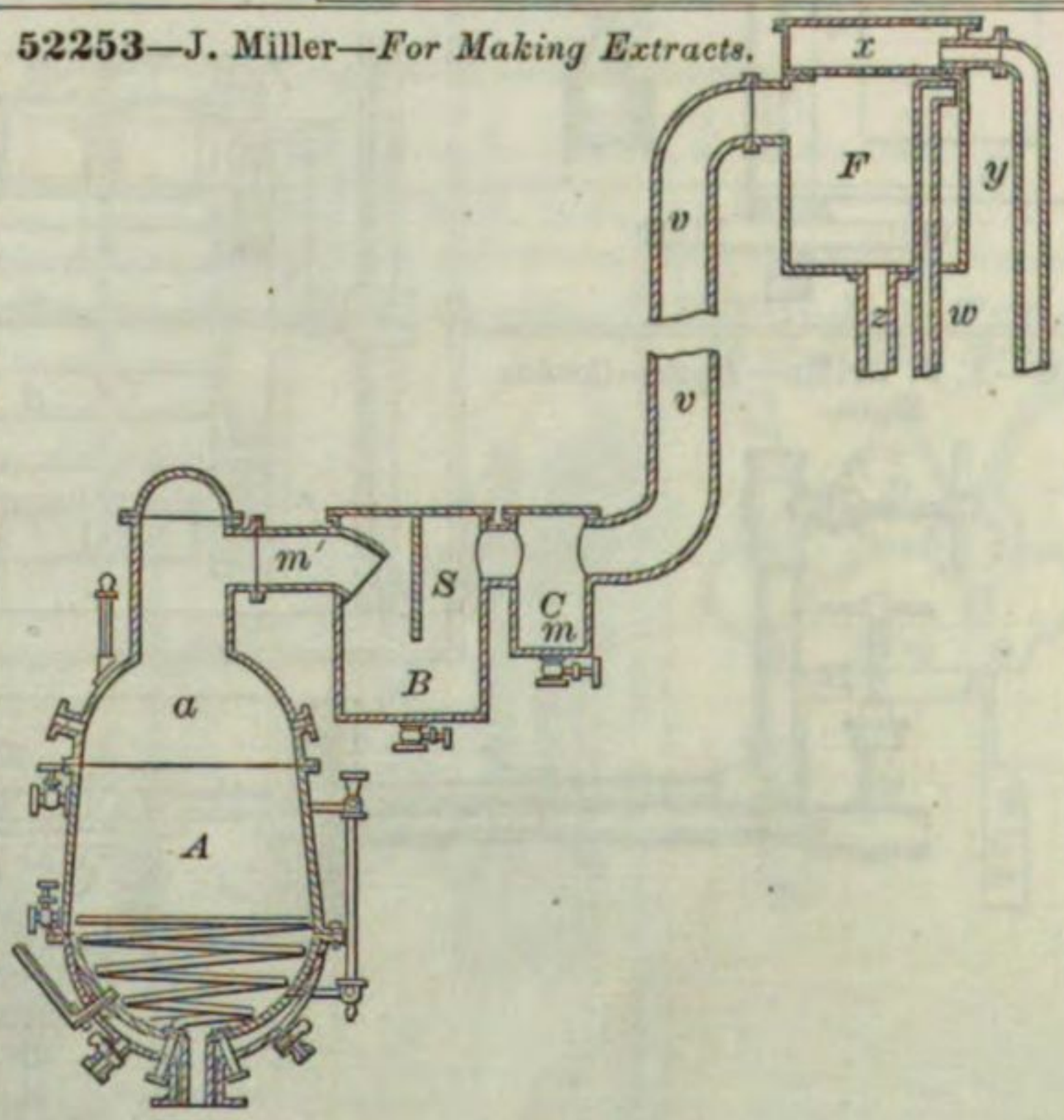
52252—Howard & Danglish—*For Making Aerated Bread.*



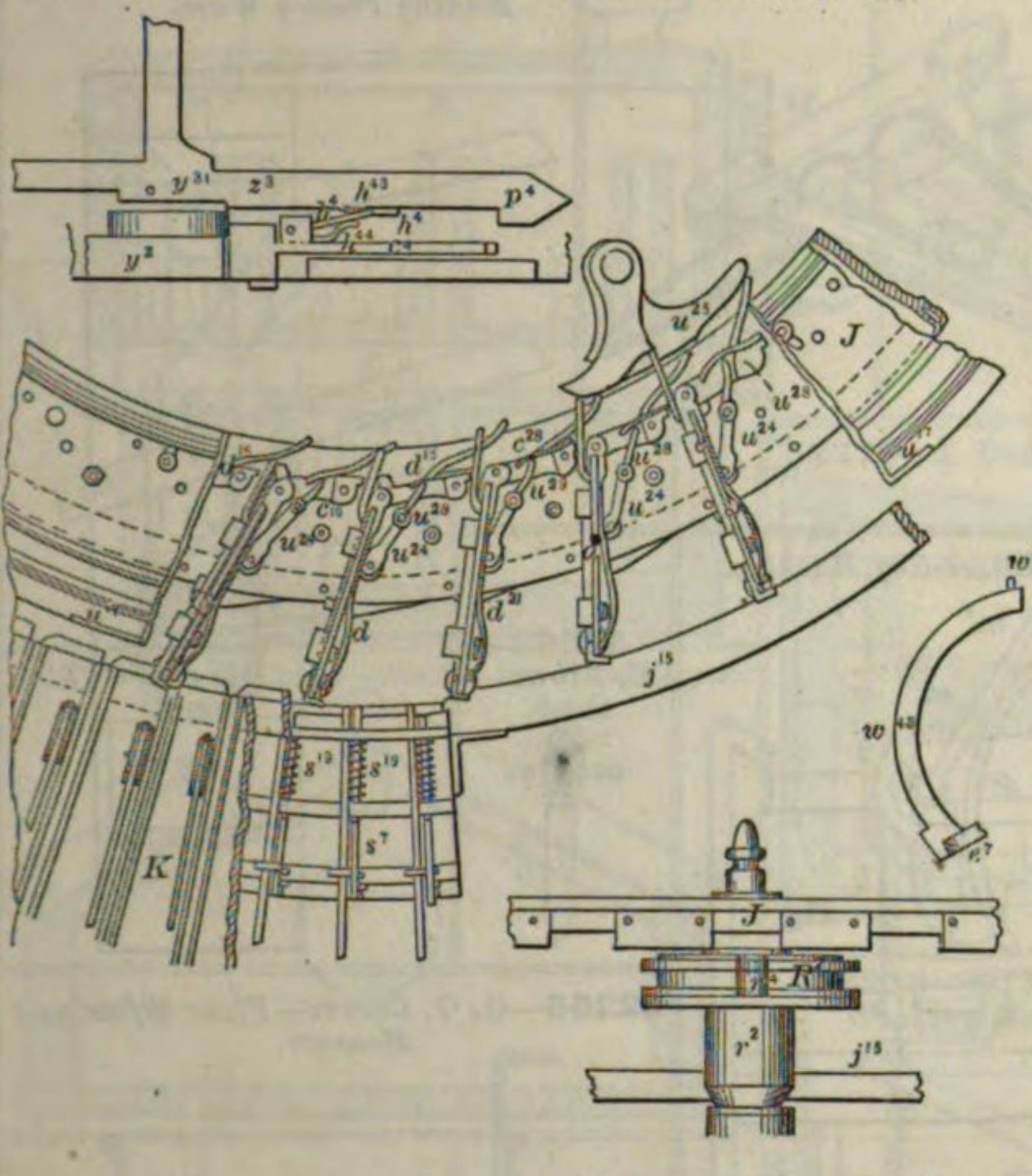
52249—M. V. Nobles—*Mode of Sinking Tubular Wells.*



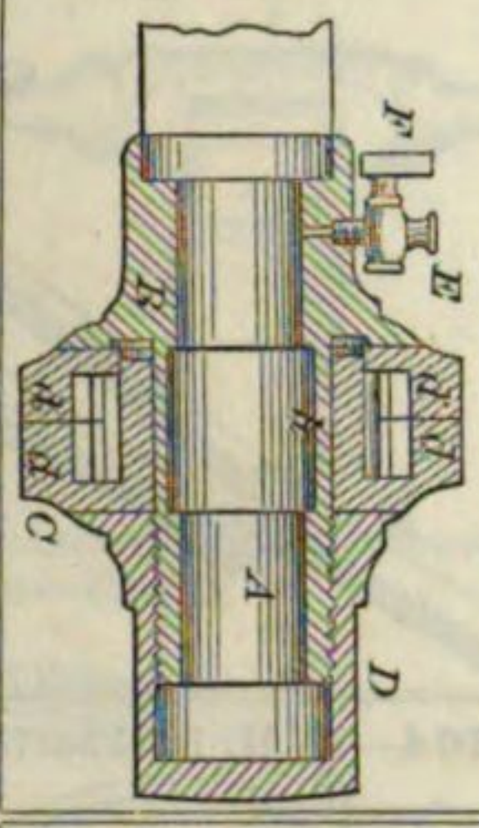
52253—J. Miller—*For Making Extracts.*



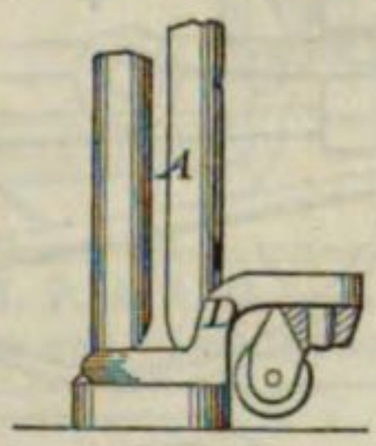
52254—Alden & Mackay—*Setting and Distributing Types.*

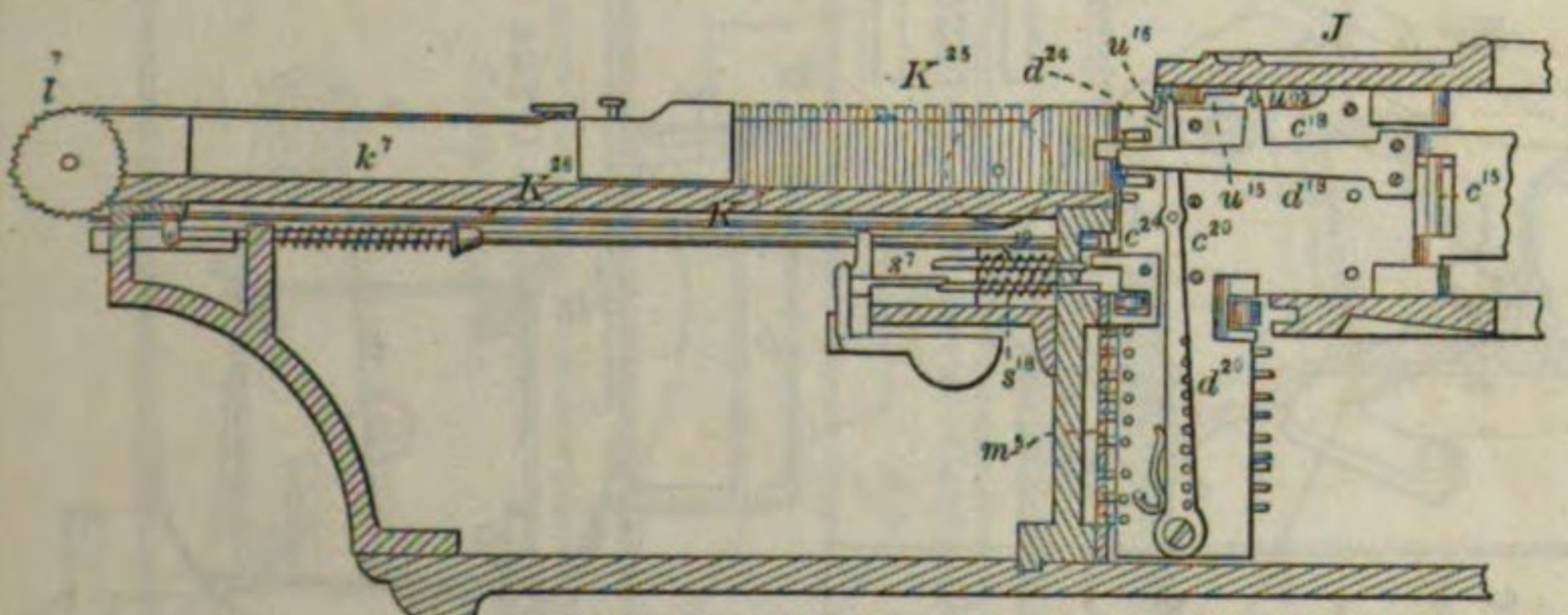


52255—J. Abbott—*Metallic Hub.*



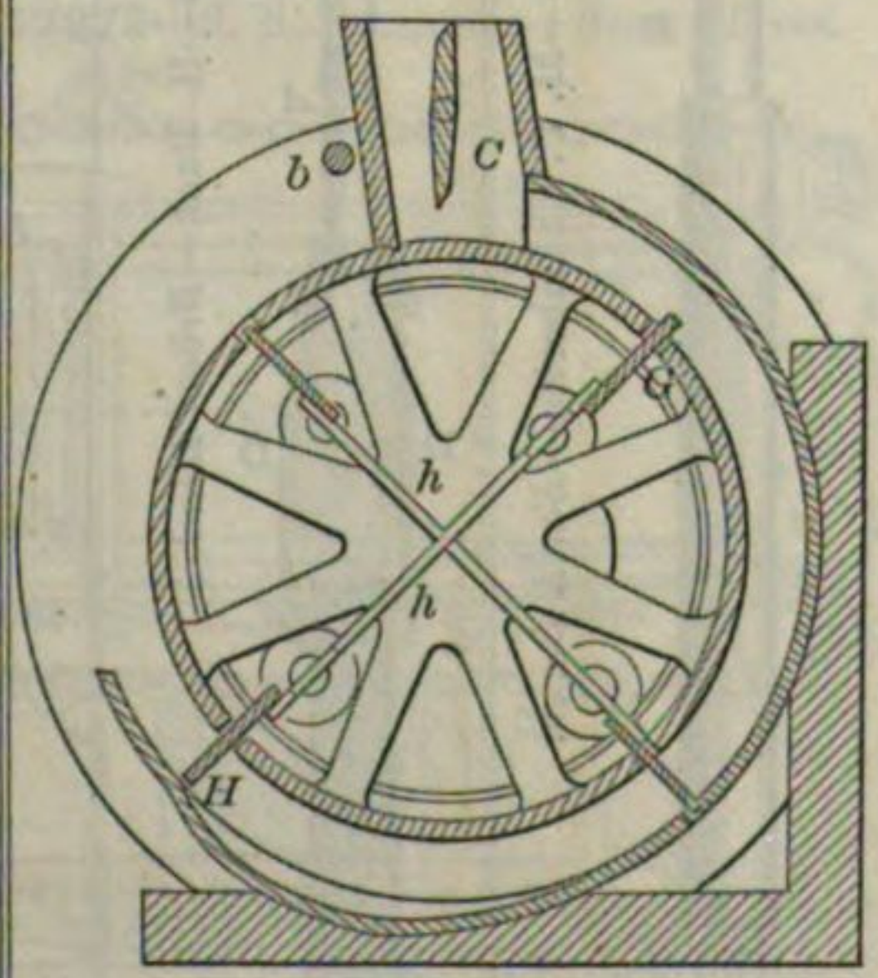
52257—W. B. Bartram—*Furniture Casters.*





52258—F. Beals—*Breech-Loading Fire Arm.*

52259—M. Bell—*Water Wheel.*

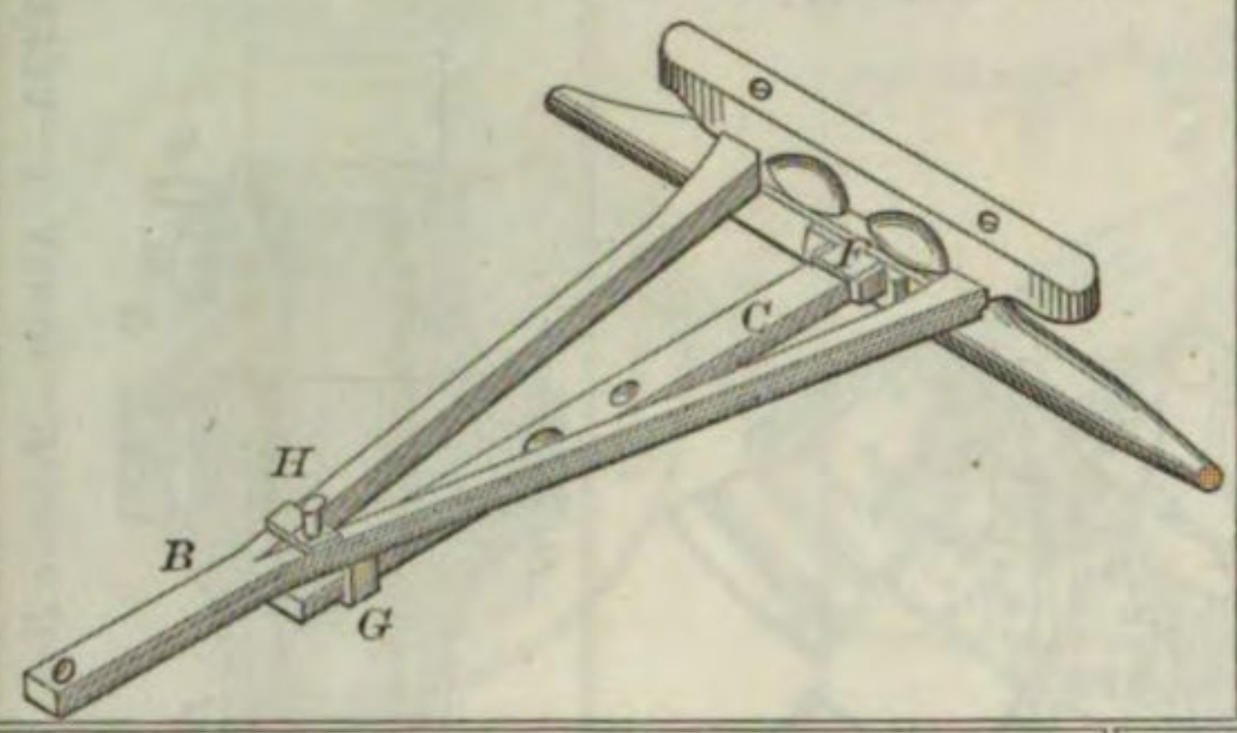


52256—J. M. Armour—*Knitting Machine Needle.*

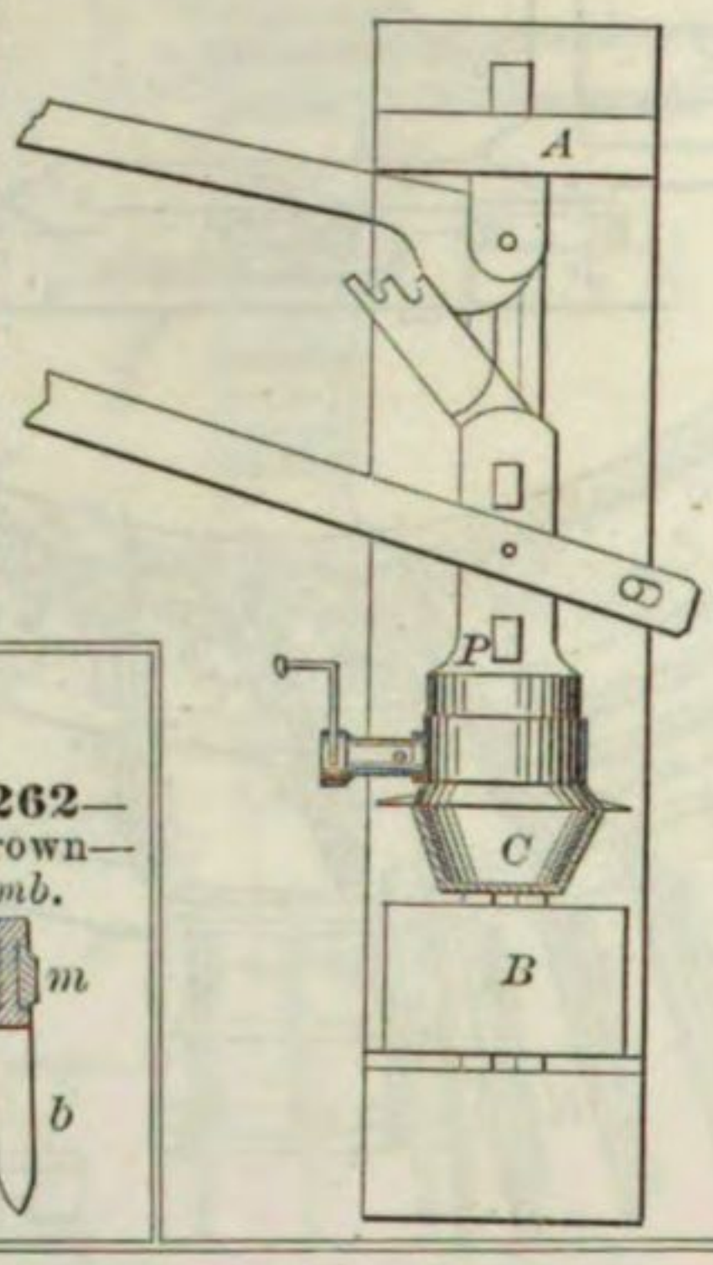
Fig. 2

Fig. 3

52260—G. & W. Bench—*Reach for Lumber Wagons.*



52261—H. R. Bodine—*For Making Pottery Ware.*



52264—W. H. Burkhart—*Harvesting Machine.*

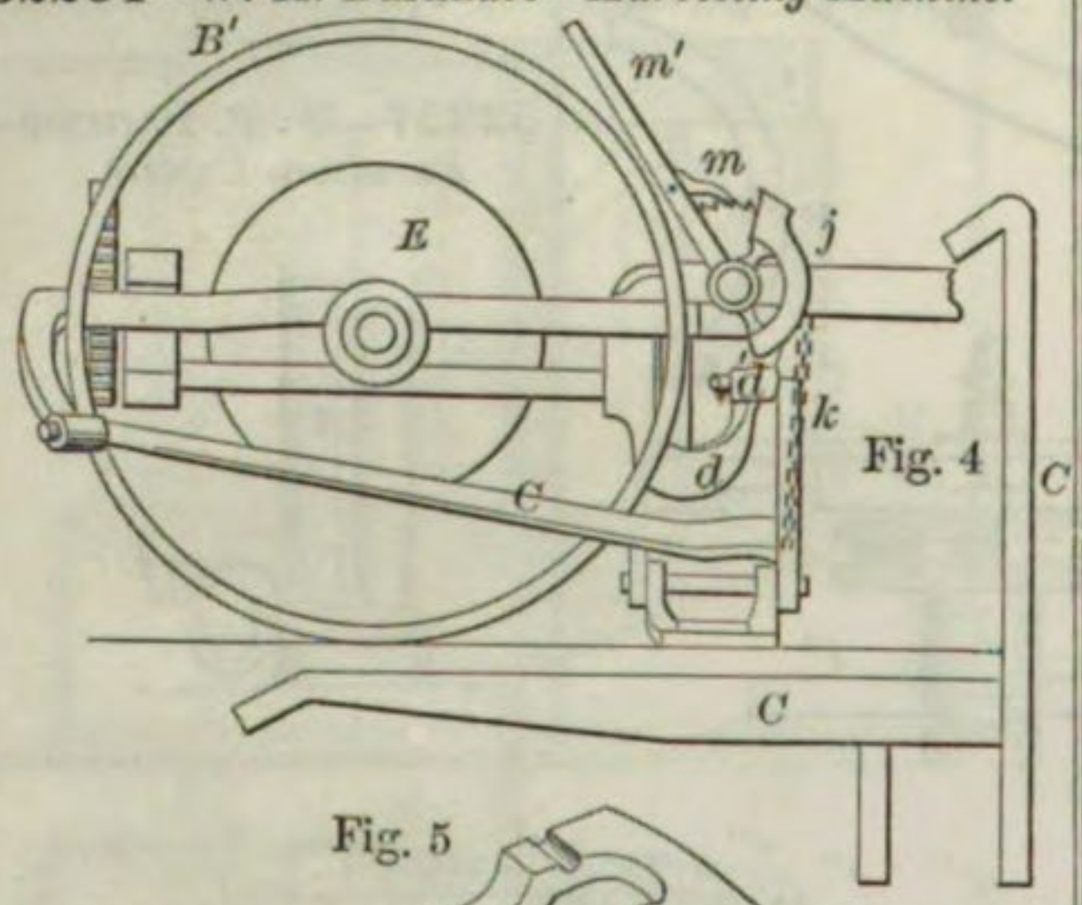


Fig. 4

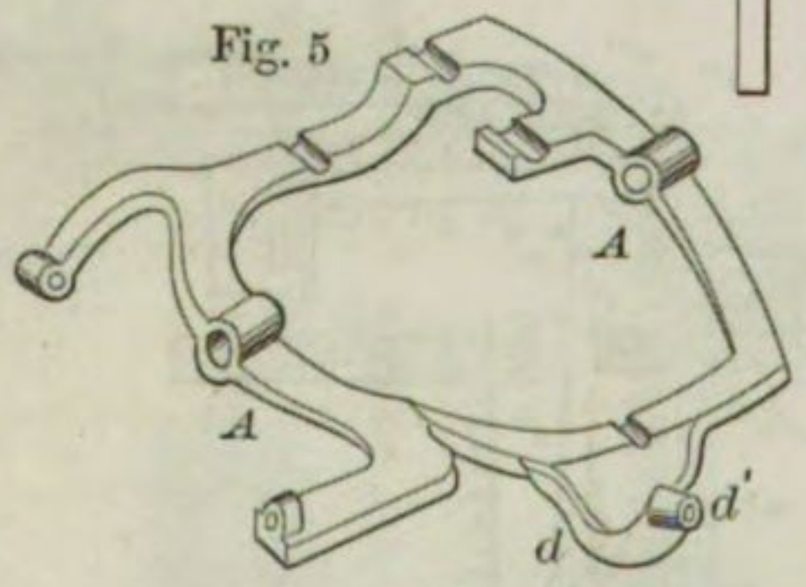
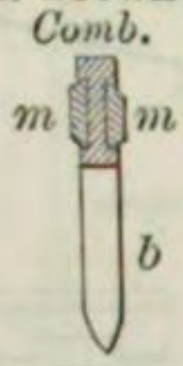
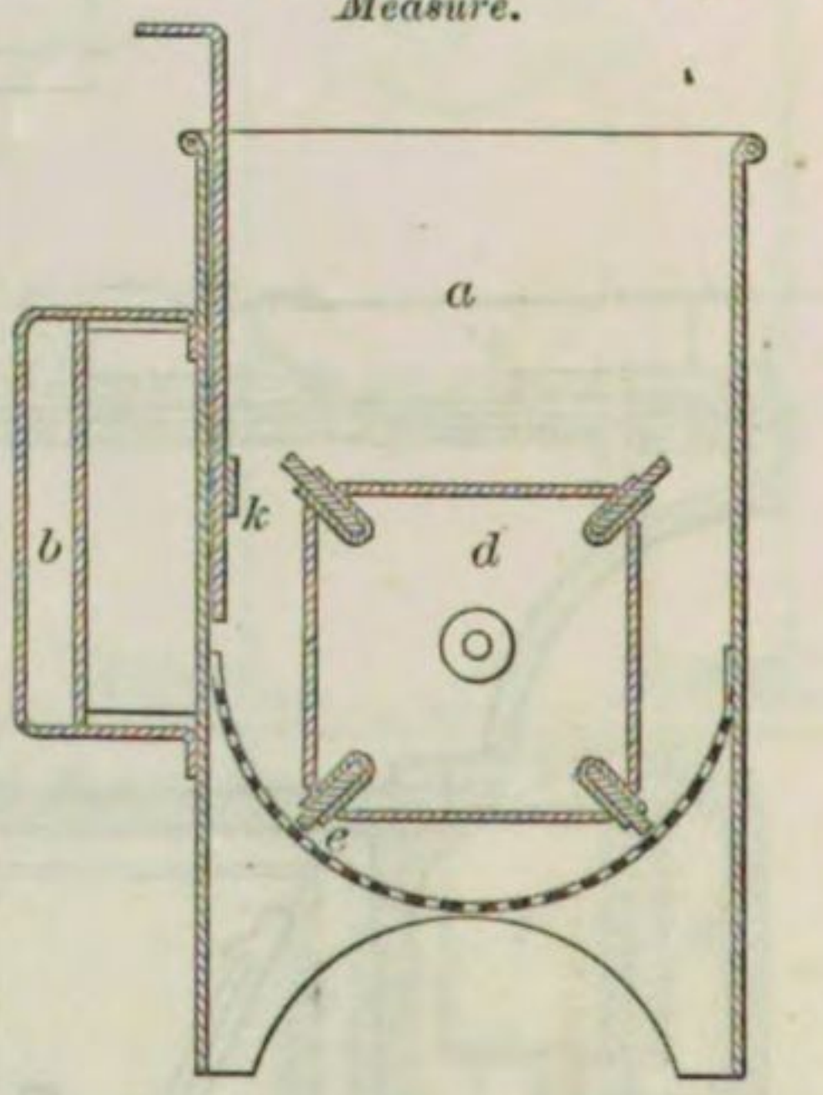


Fig. 5

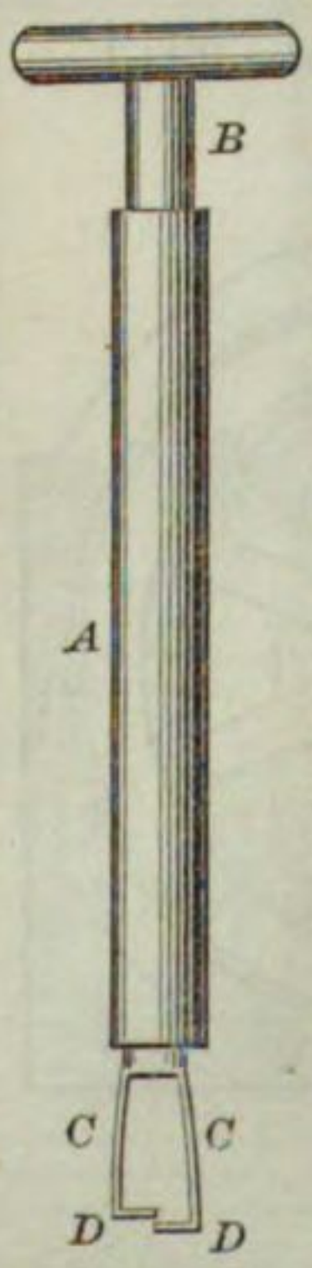
52262—E. Brown—*Comb.*



52266—G. G. Carver—*Flour Sifter and Measure.*

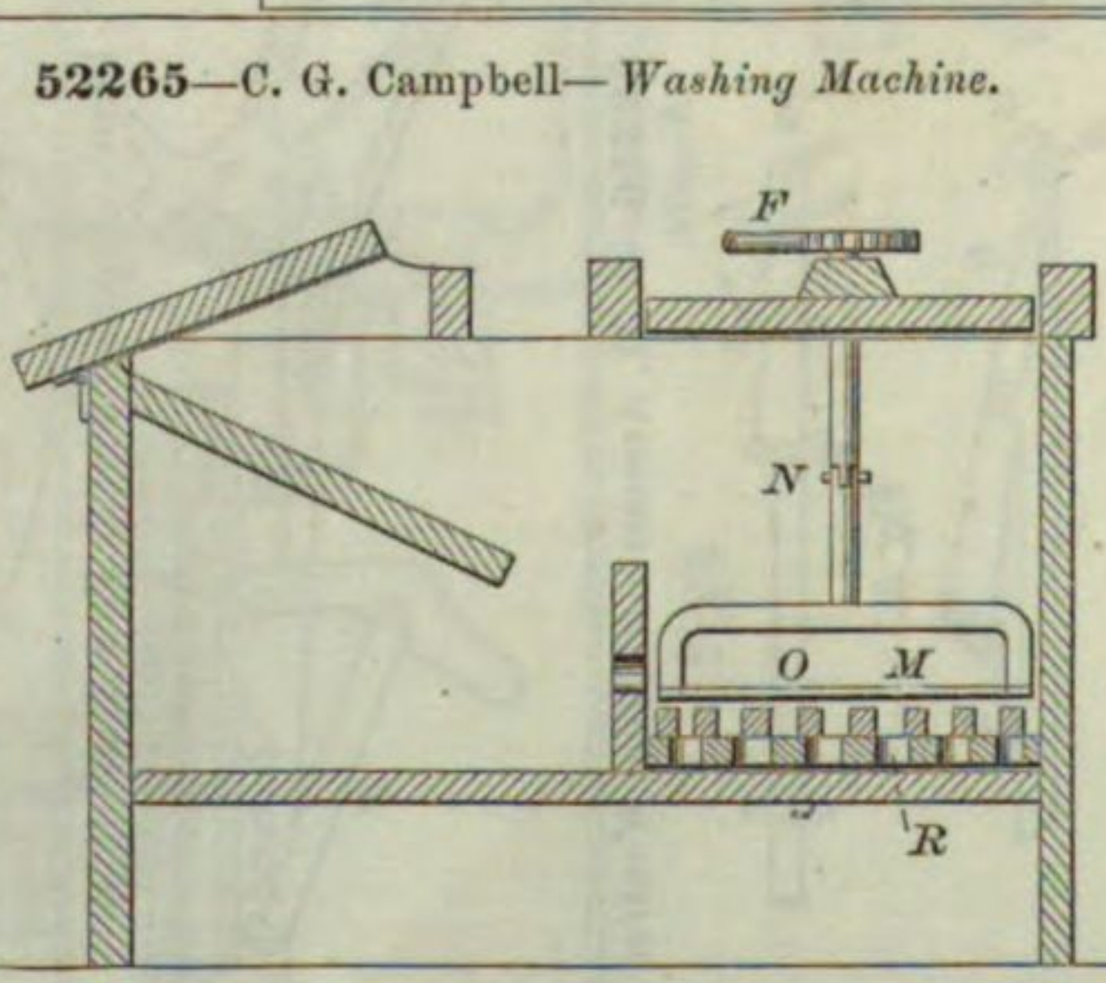


52267—M. C. Chamberlin—*Earth Borer.*

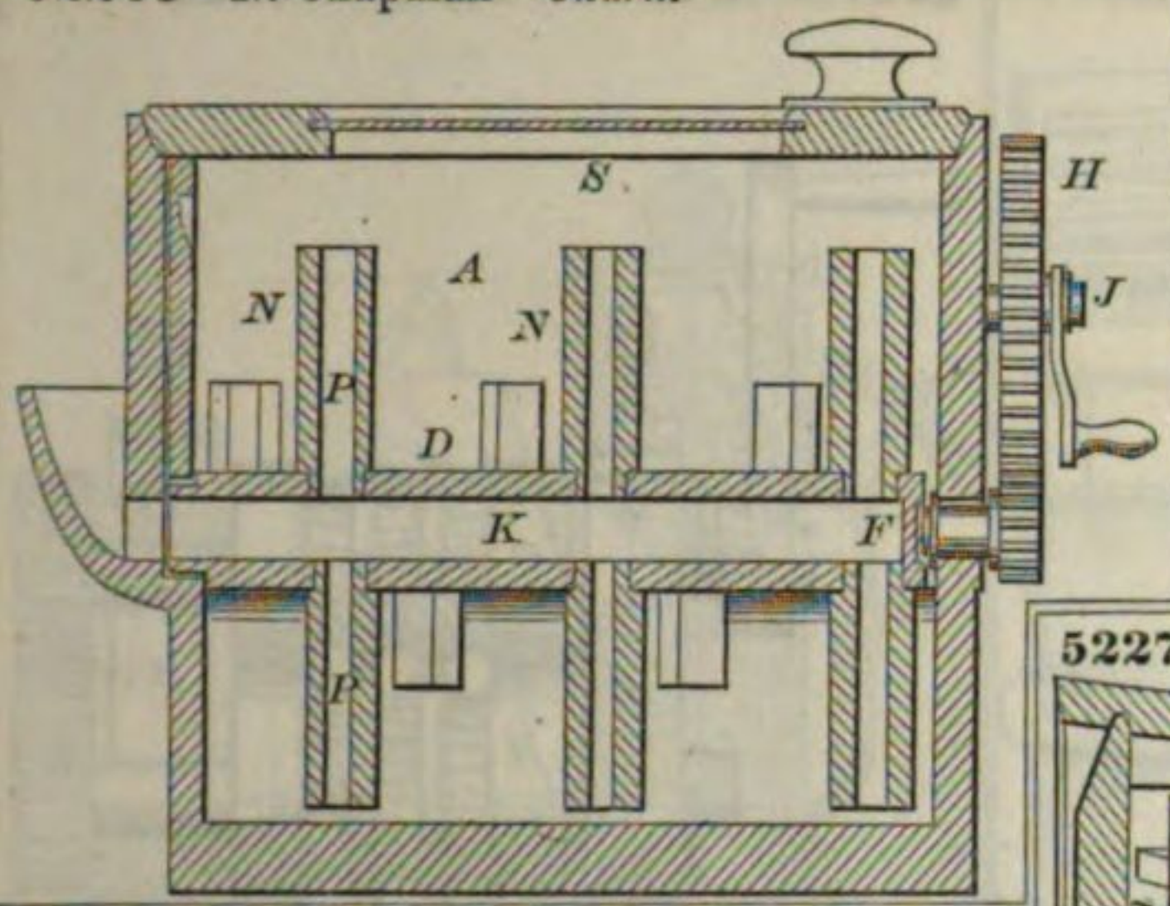


52263—H. Buck—*Broom Head.*

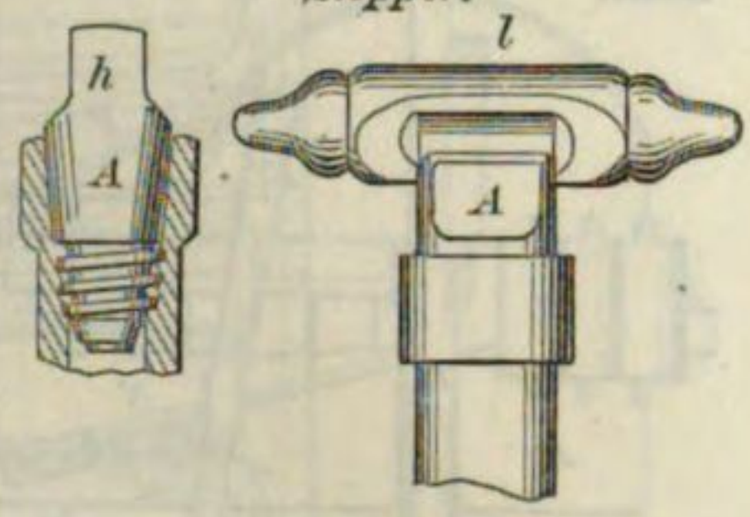
52265—C. G. Campbell—*Washing Machine.*



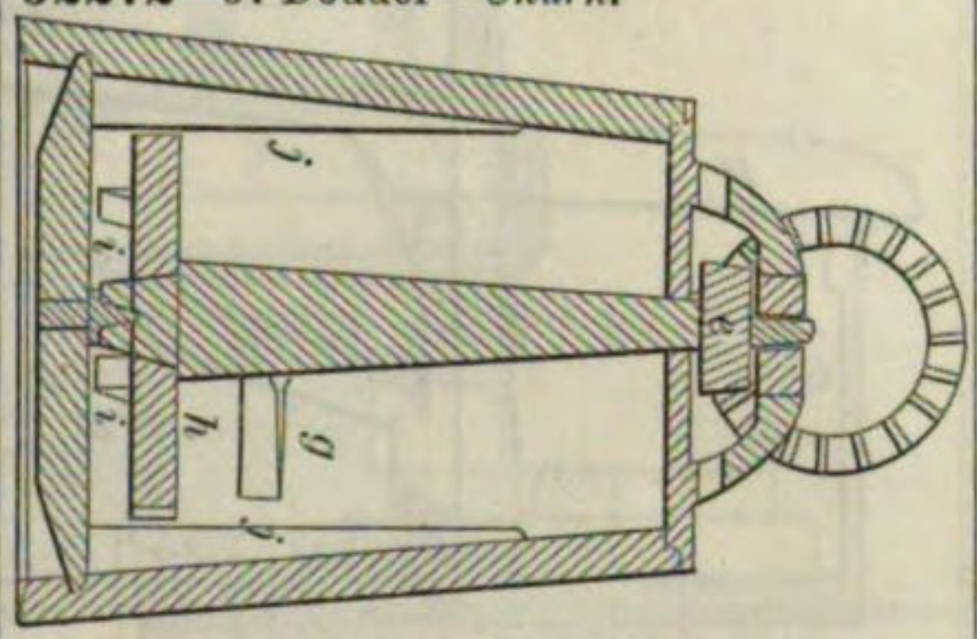
52268—N. Chapman—*Churn.*



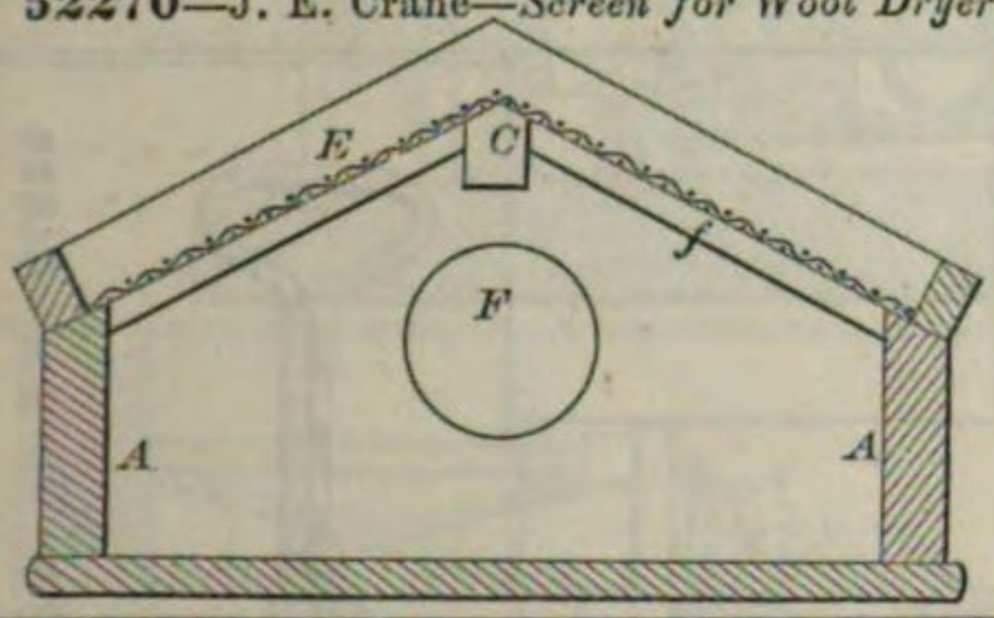
52269—R. S. Connelly—*Bottle Stopper.*



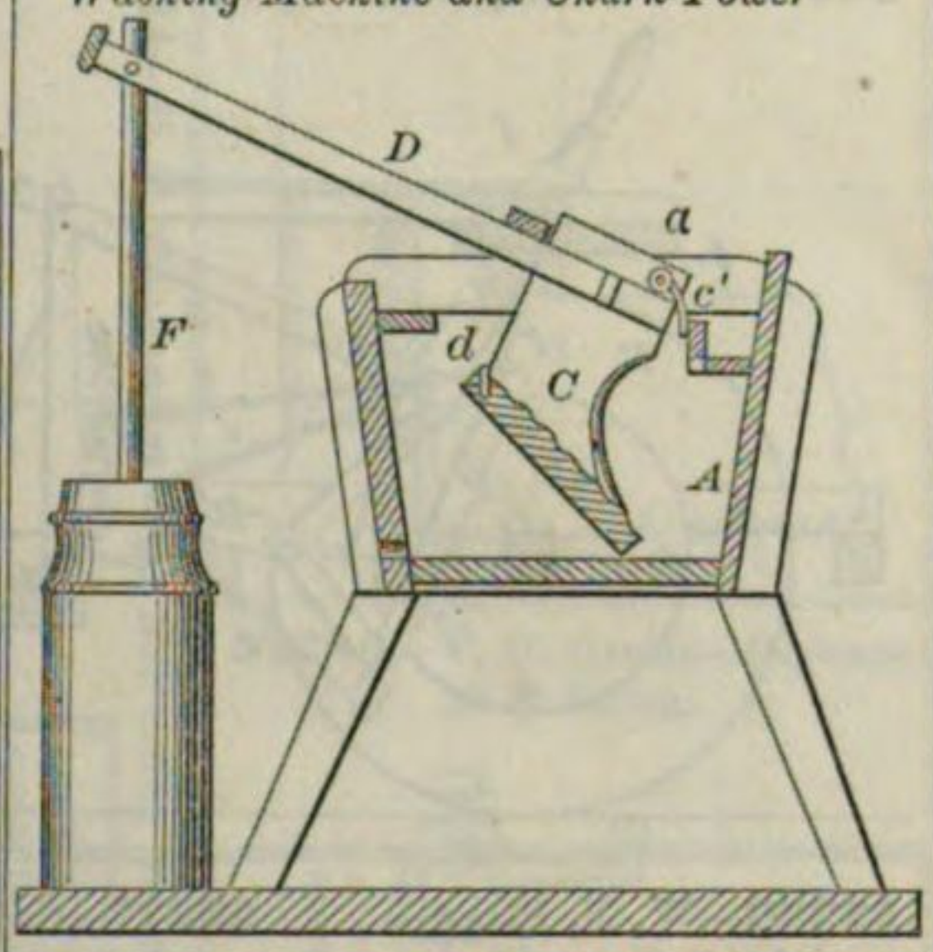
52272—J. Dodder—*Churn.*



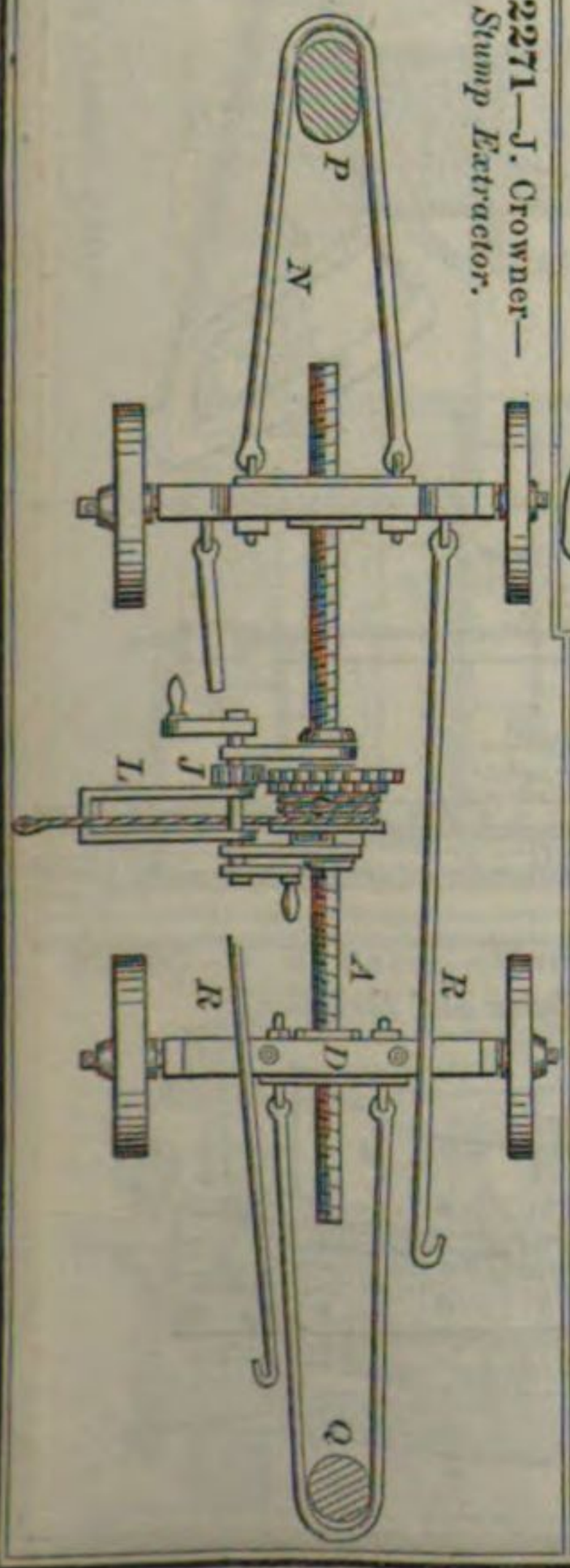
52270—J. E. Crane—*Screen for Wool Dryer.*



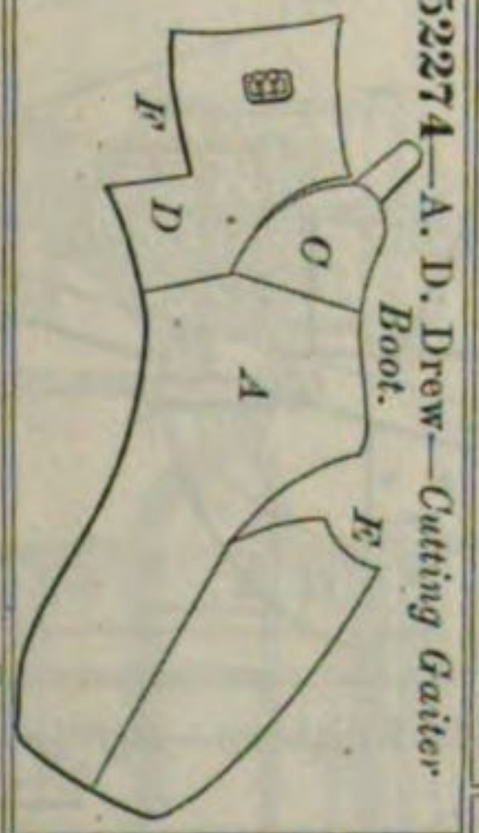
52273—W. M., E. P. & E. Doty—*Washing Machine and Churn Power*



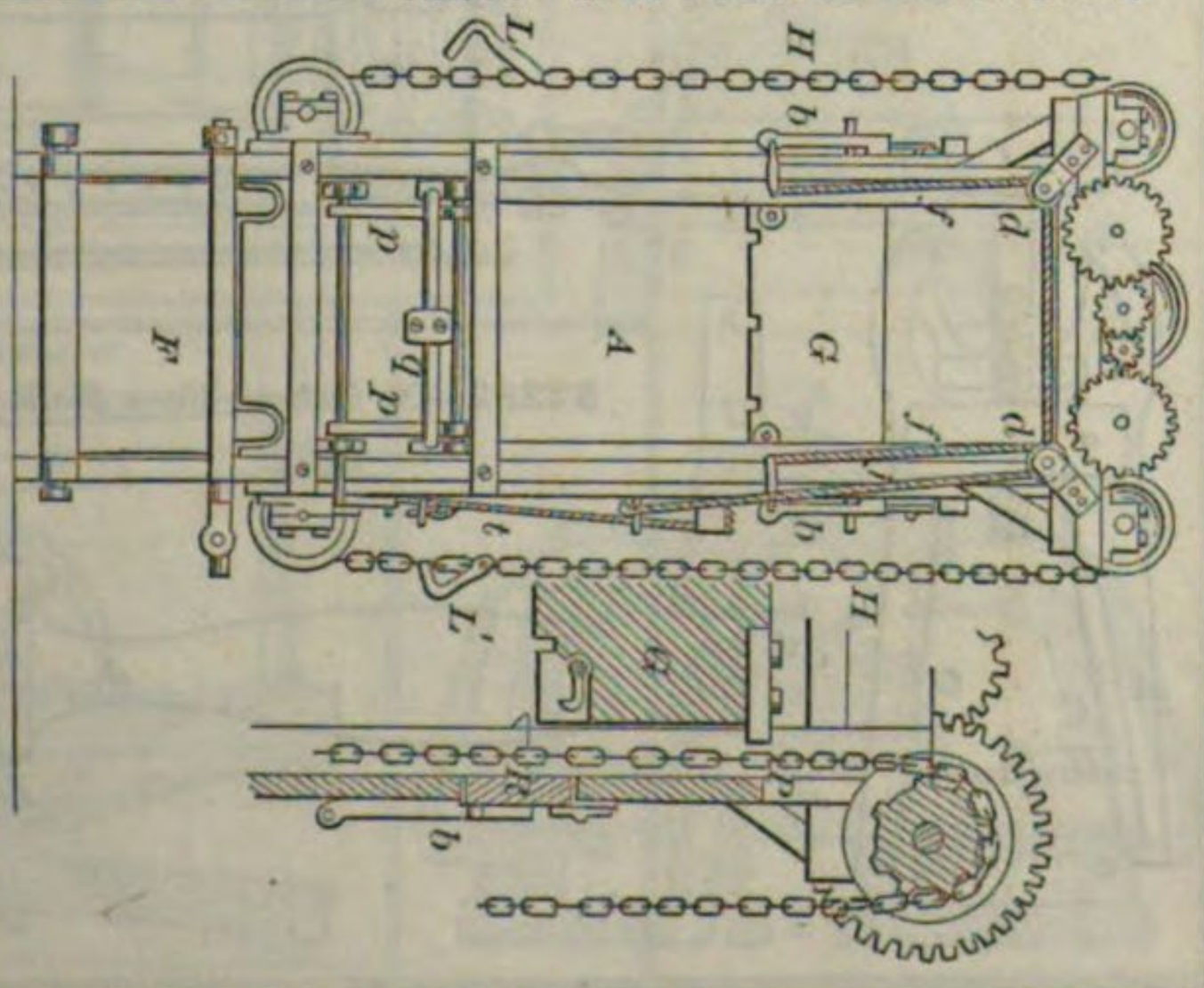
52271—J. Crowner—*Stump Extractor.*



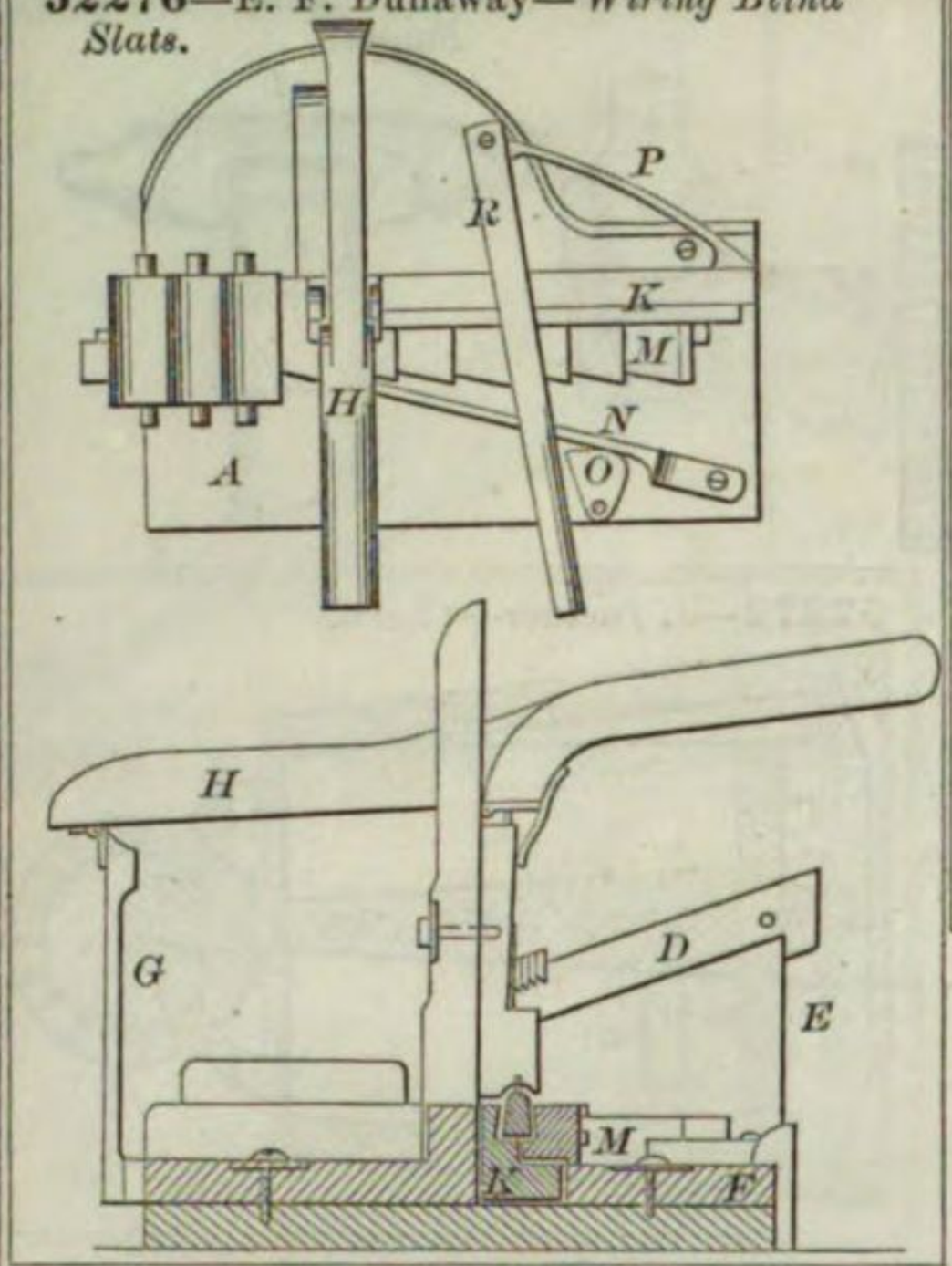
52274—A. D. Drew—*Cutting Gaiter Boot.*



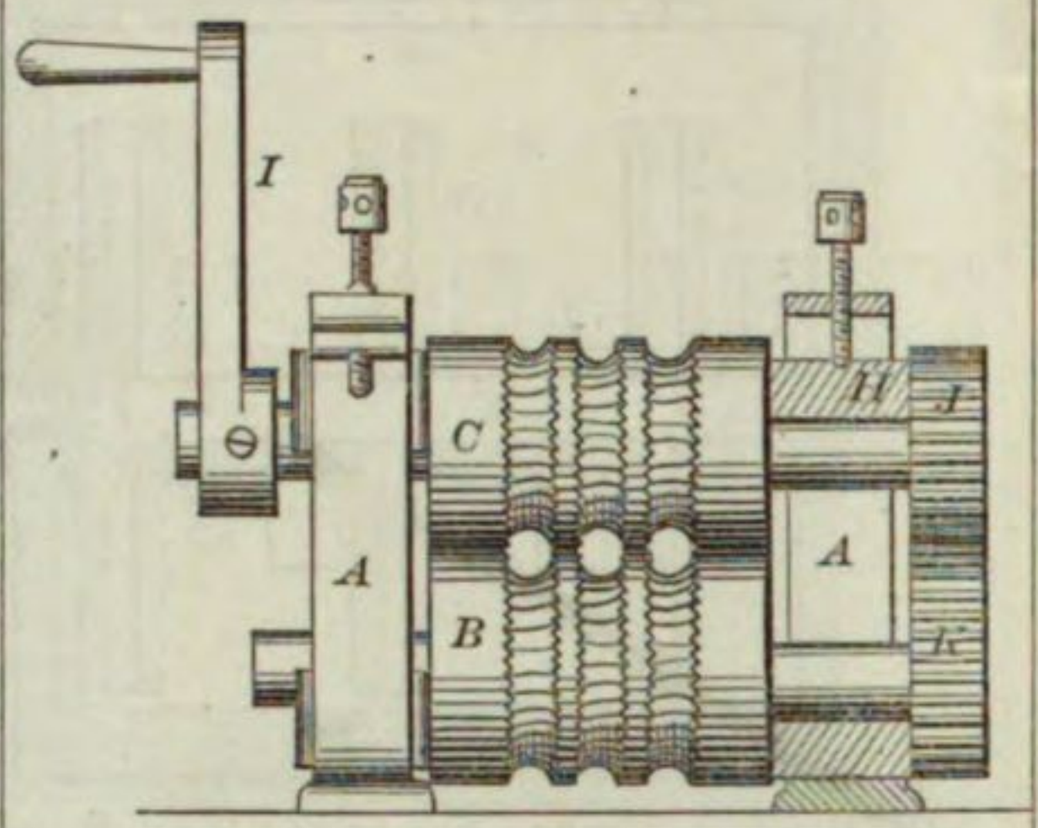
52275—S. R. Drummer—*Beater Press.*



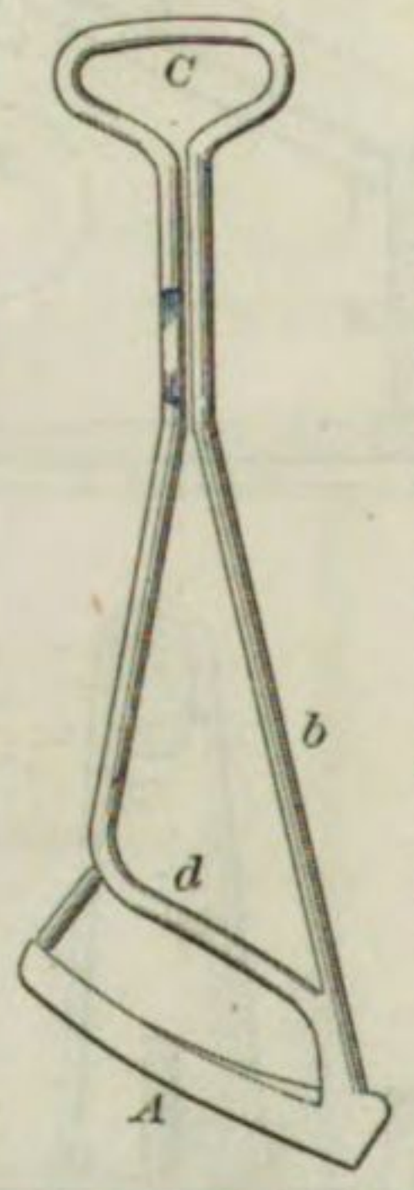
52276—E. F. Dunaway—*Wiring Blind Slats.*



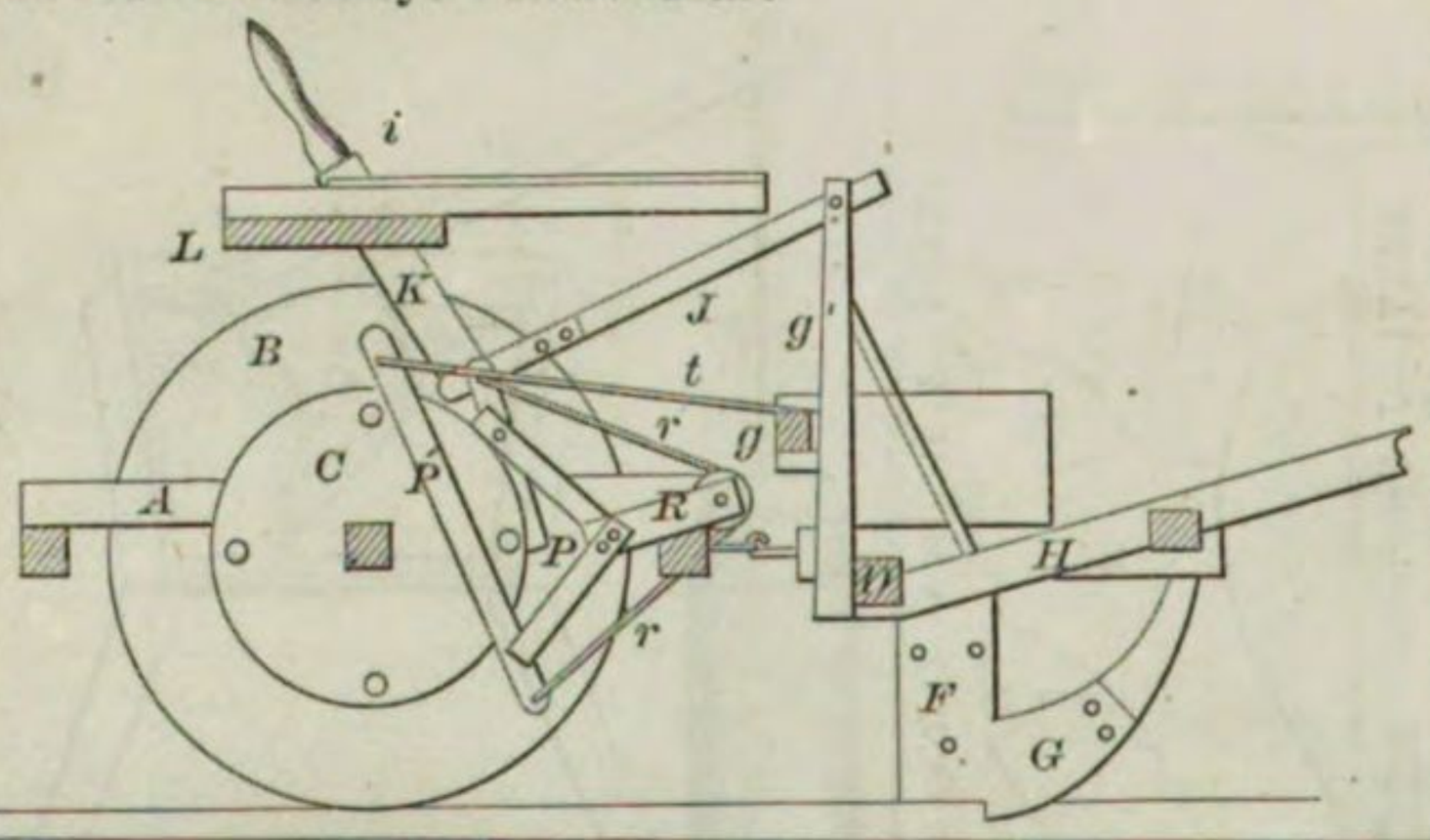
52278—A. Exton—*Biscuit Machine.*



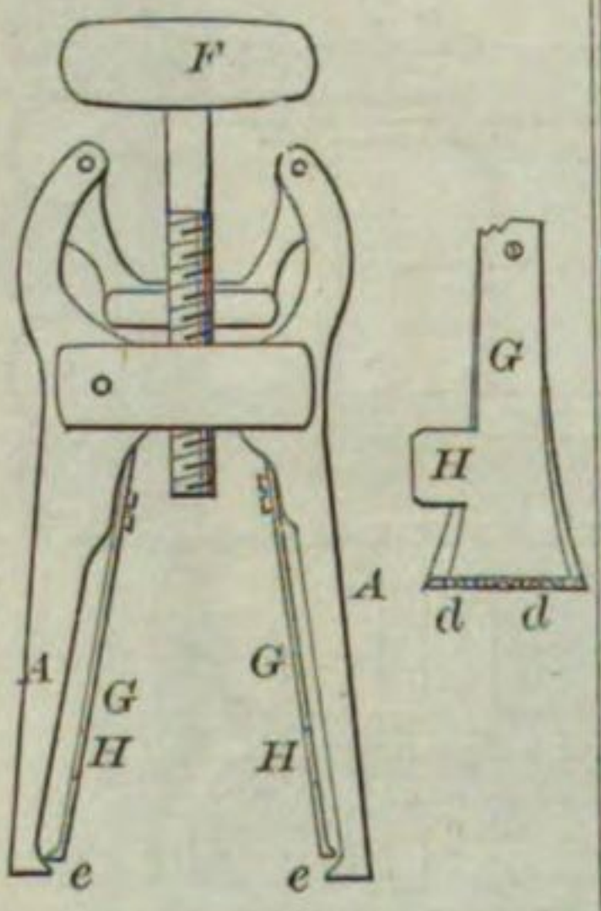
52279—J. Fasig—*Hay and Pruning Knife.*



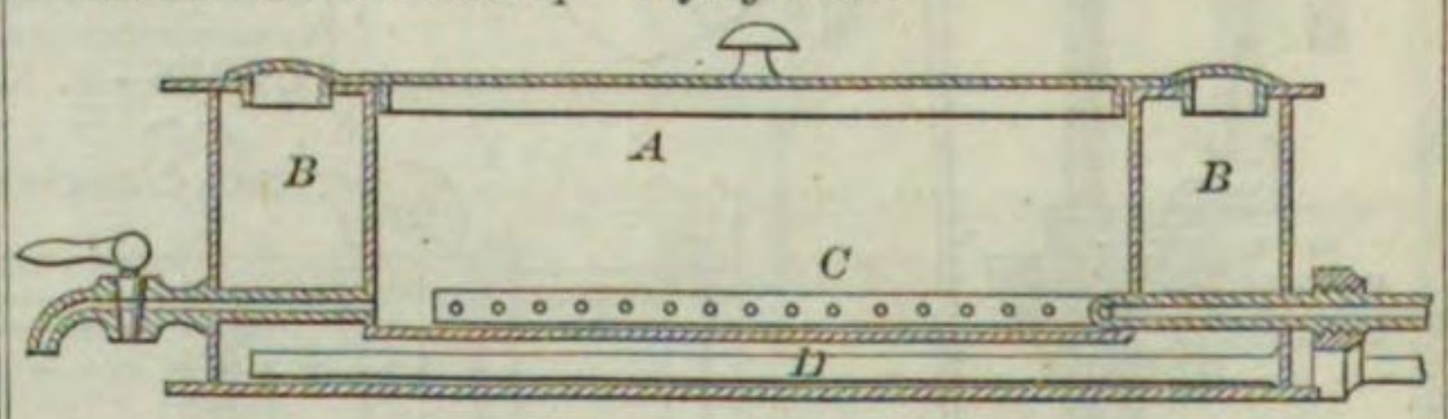
52281—M. C. Floyd—*Corn Planter.*



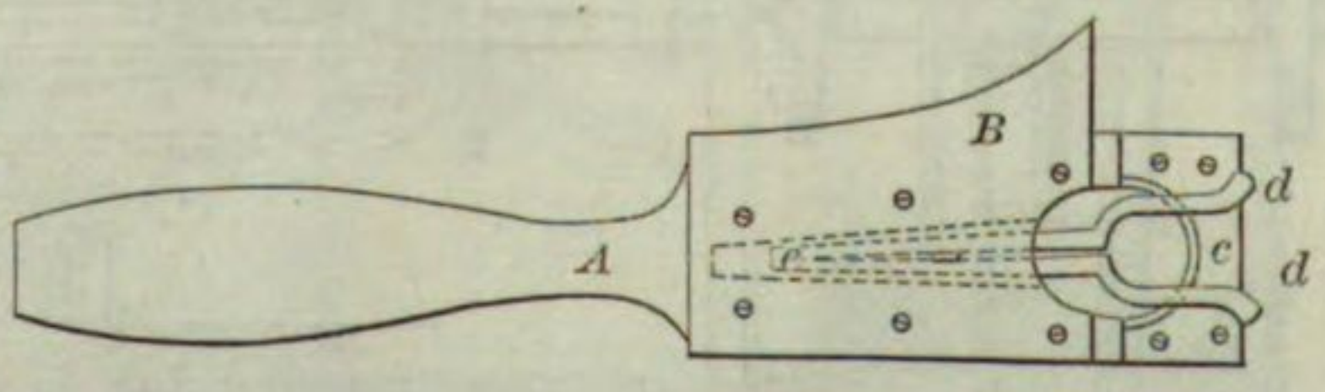
52280—W. N. Flagg—*Shank Laster.*



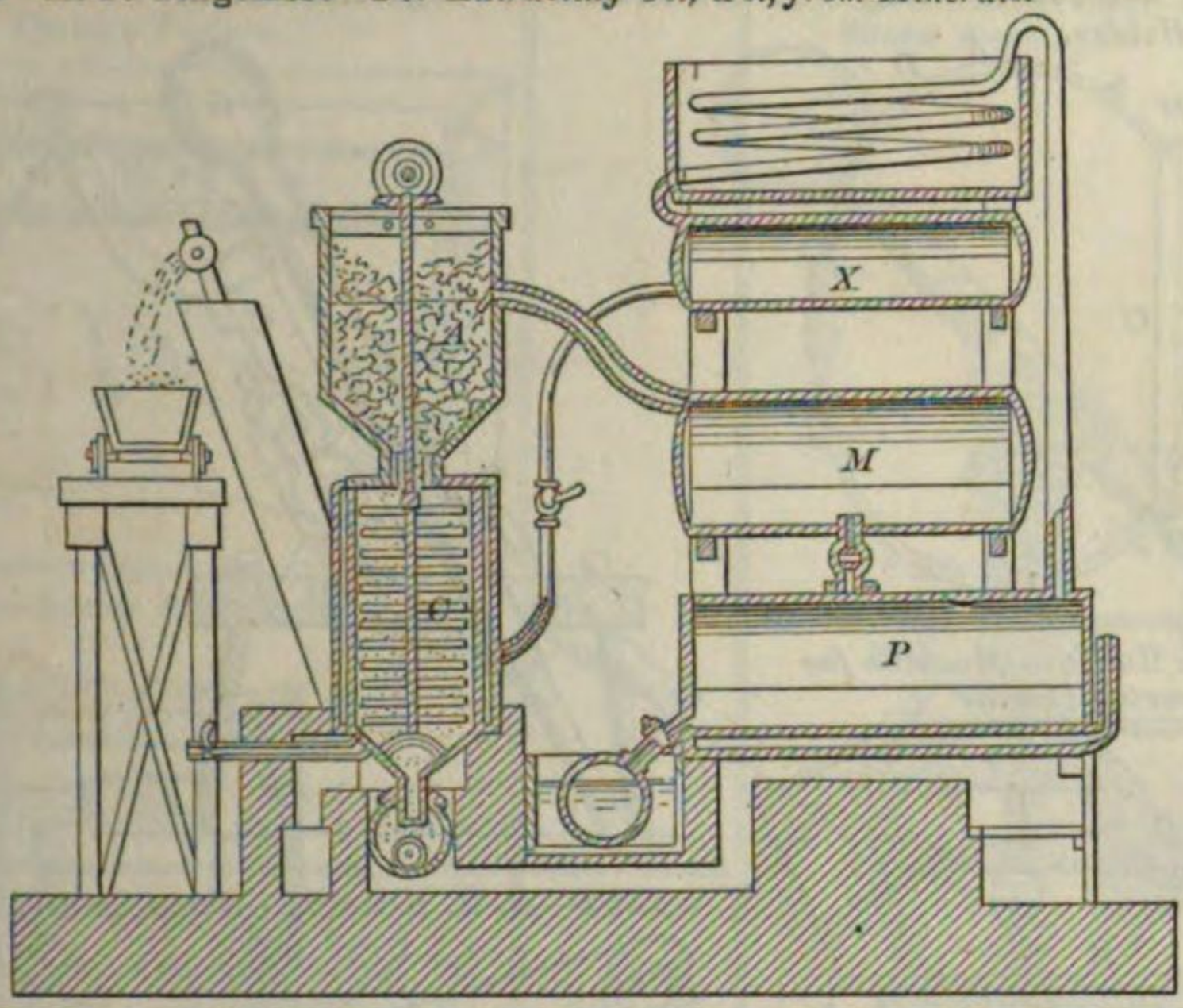
52277—S. B. Ellithorp—*Refrigerator.*



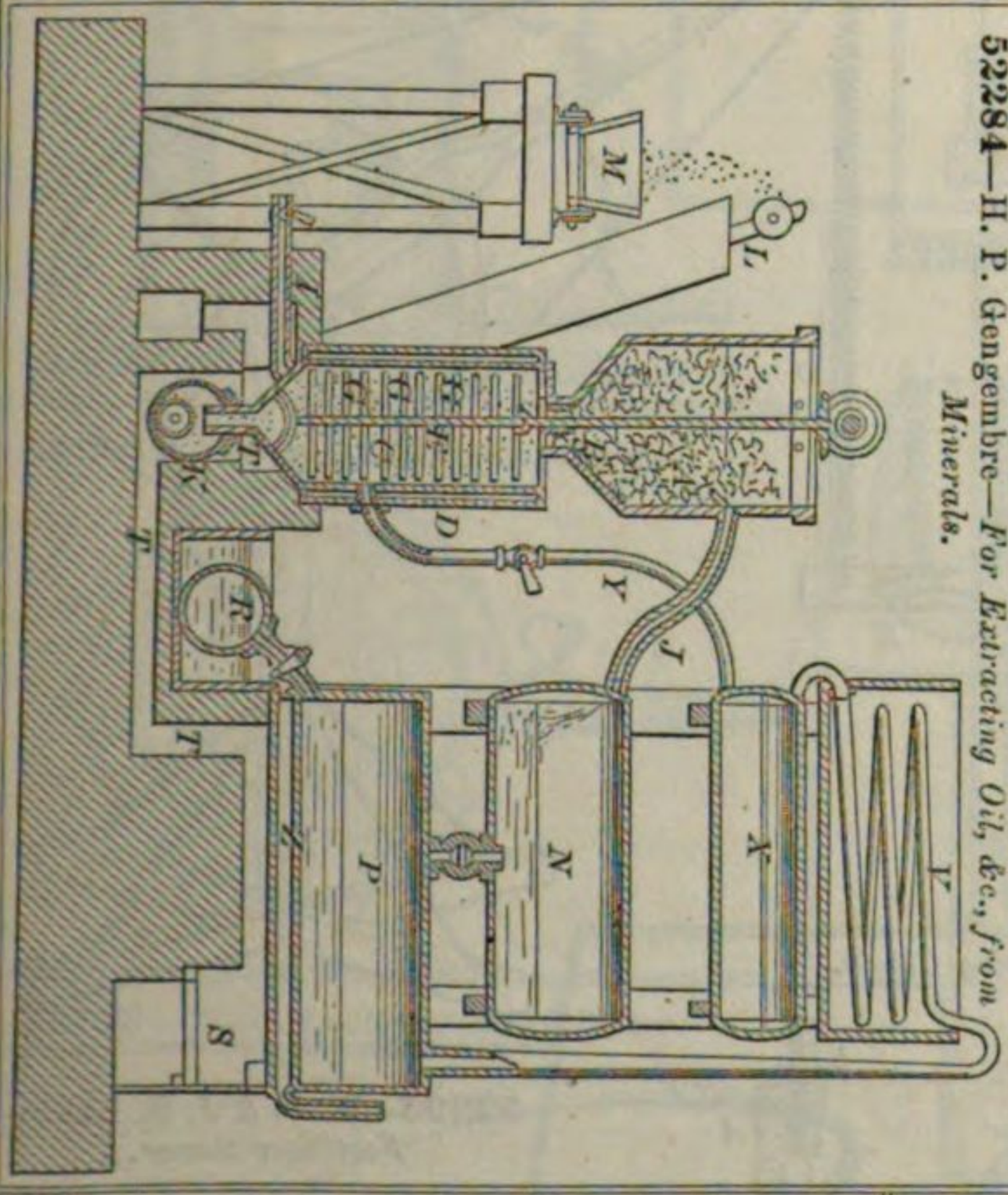
52282—N. Gabel—*Corn Stalk Cutter and Stripper.*



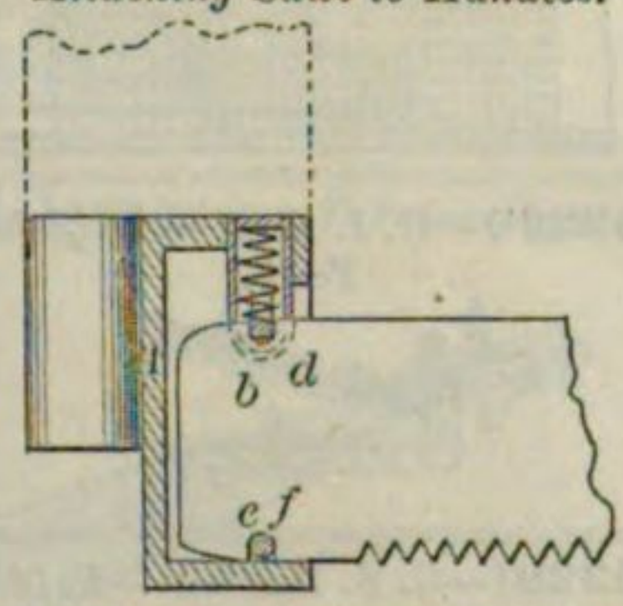
52283—H. P. Gengembre—*For Extracting Oil, &c., from Minerals.*



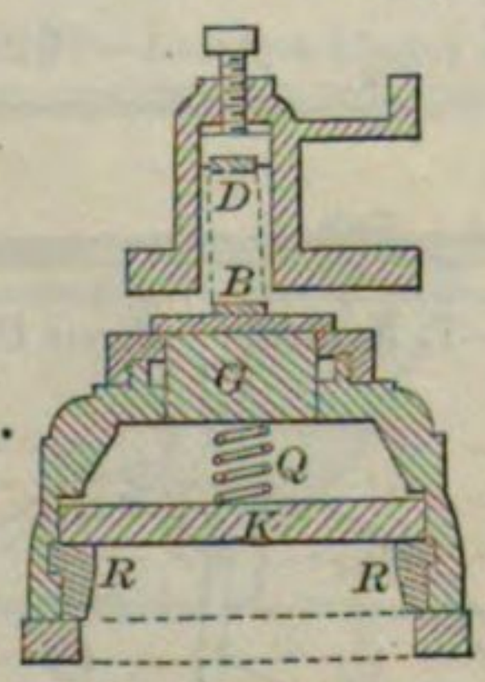
52284—H. P. Gengembre—*For Extracting Oil, &c., from Minerals.*



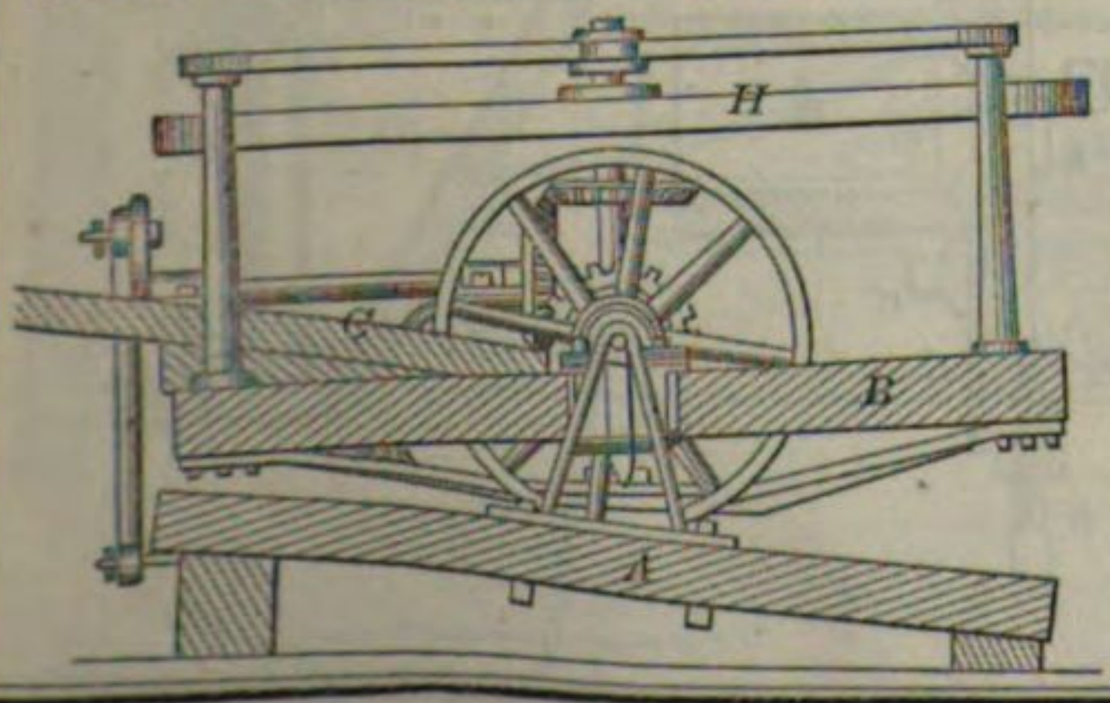
52285—W. H. Gilliam—*Attaching Saws to Handles.*

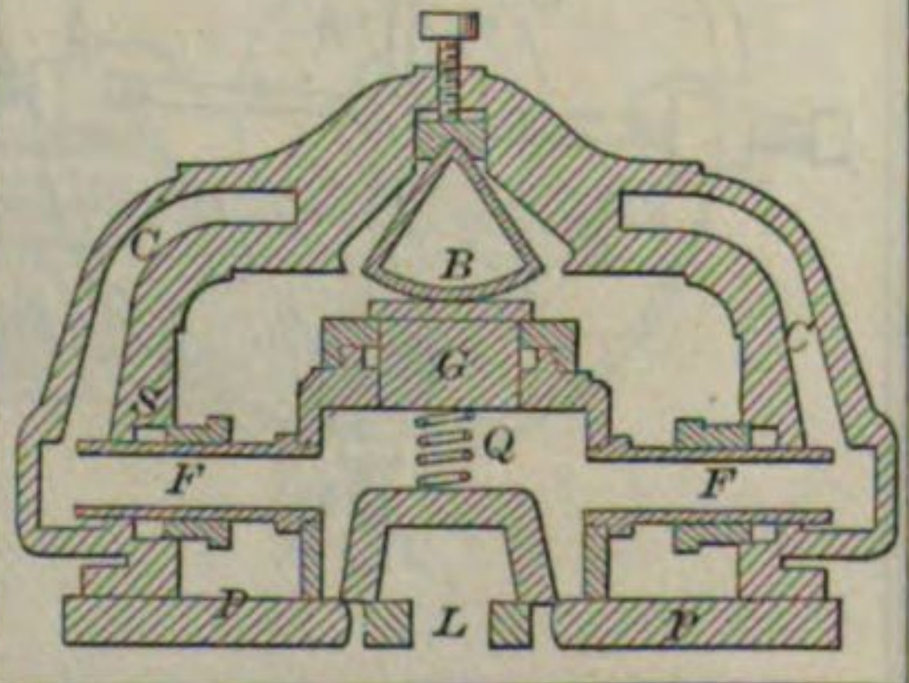


52286—V. D. Green—*Balanced Slide Valve.*

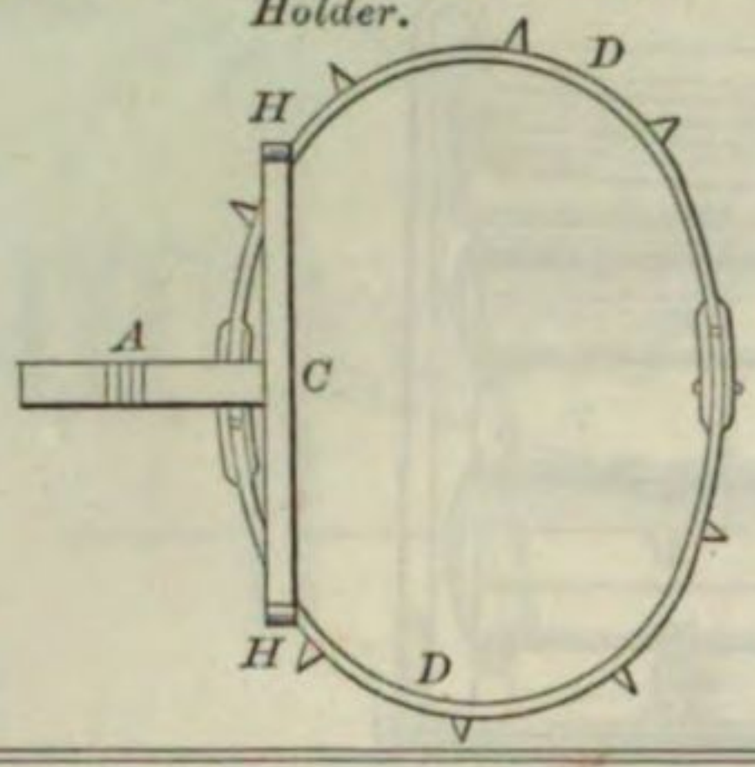


52287—J. H. Haven—*Motive Power.*

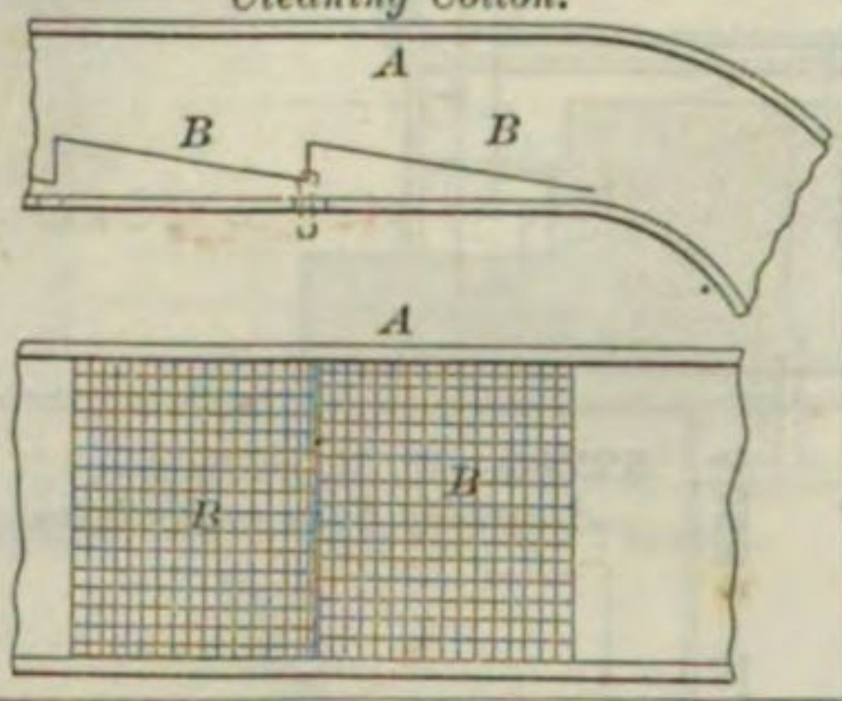




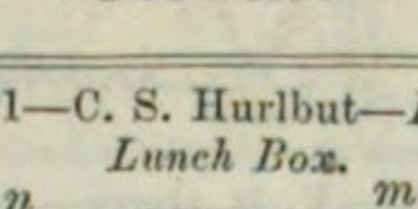
52288—Hills & Woodruff—*Bag Holder.*



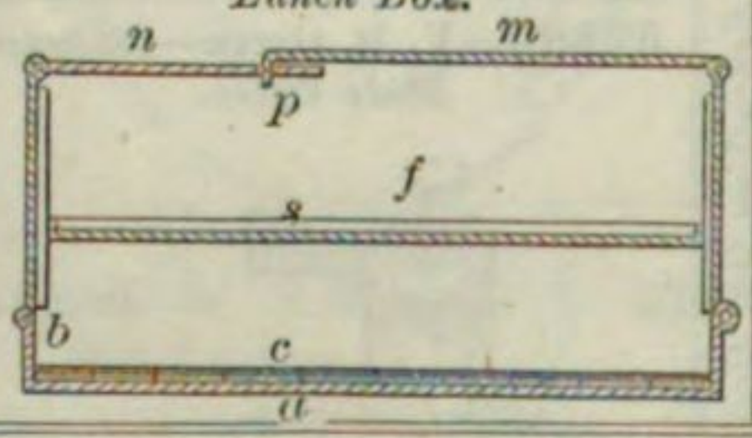
52289—J. E. Hooper—*Machine for Cleaning Cotton.*



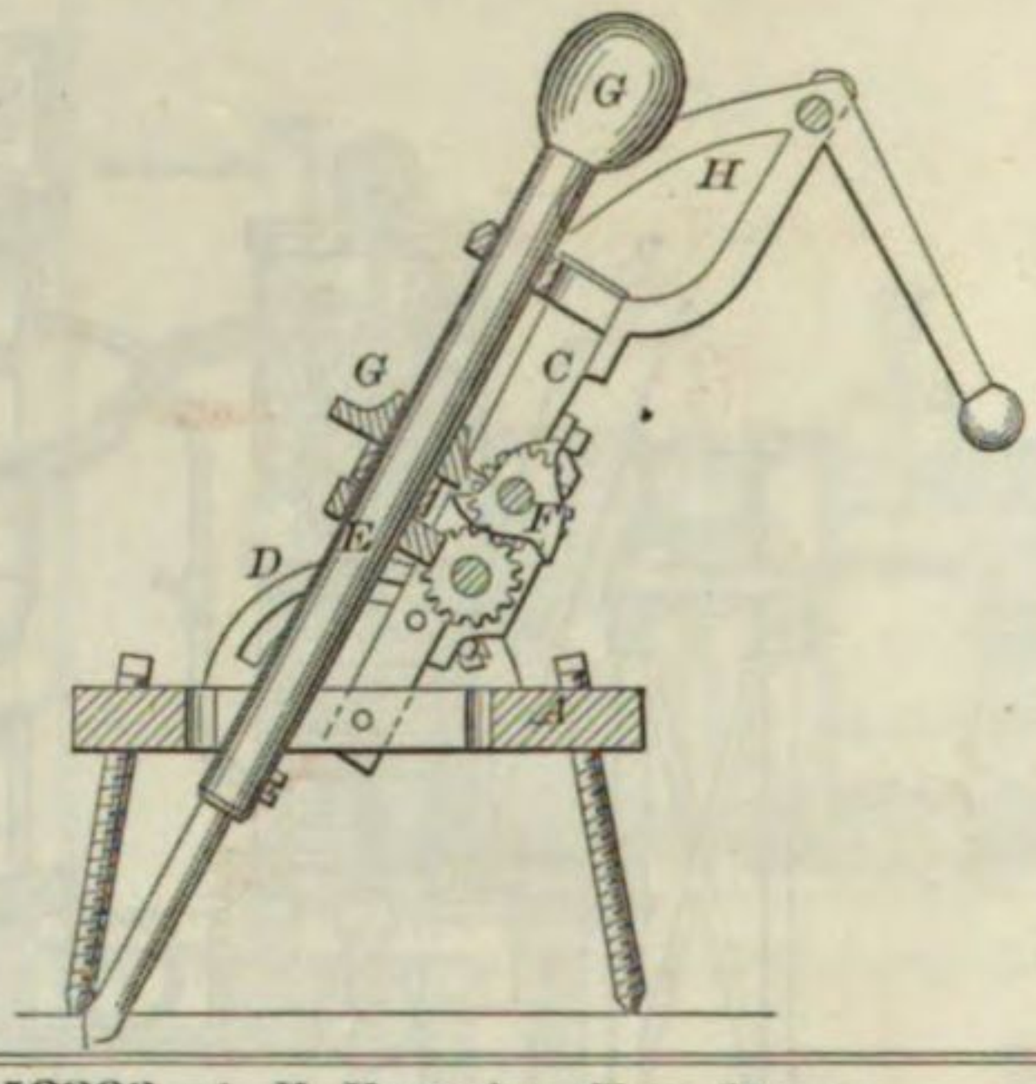
52290—E. I. Hoyt—*Artificial Teeth.*



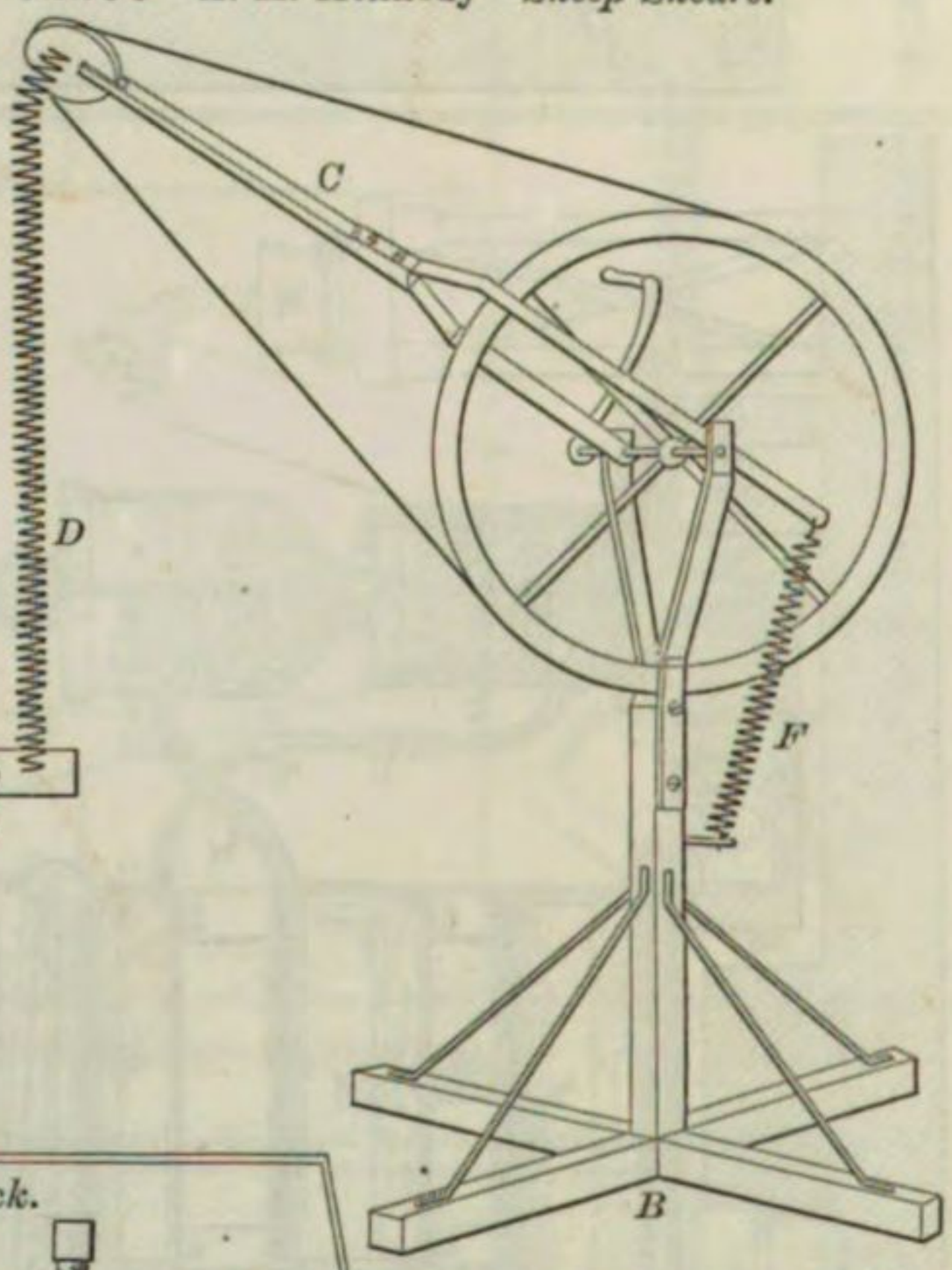
52291—C. S. Hurlbut—*Folding Lunch Box.*



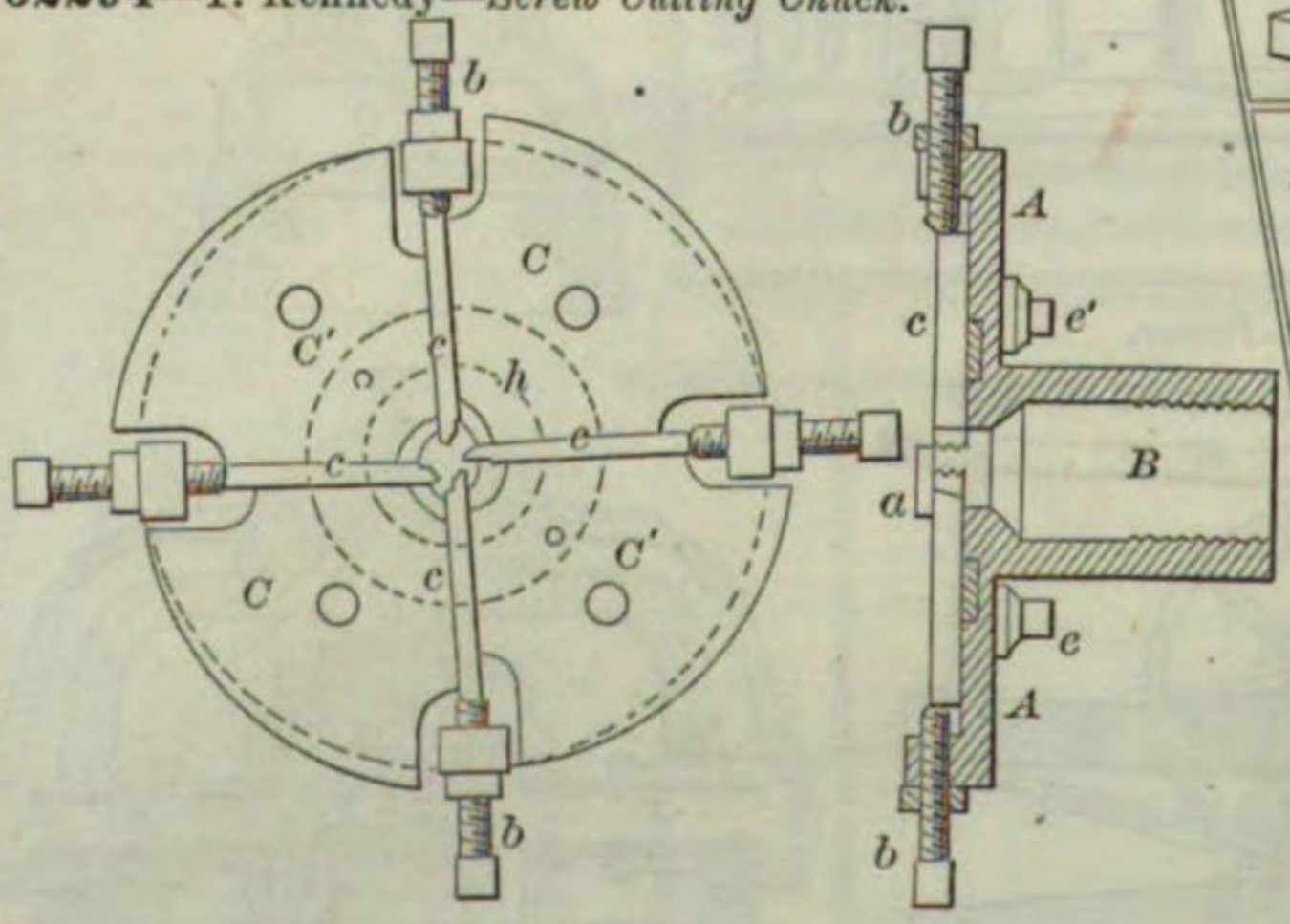
52292—H. Jung—*Rock Drill.*



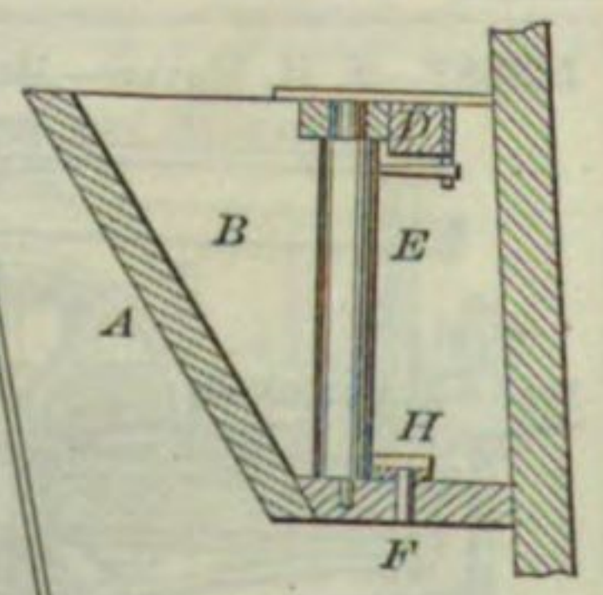
52293—A. H. Kennedy—*Sheep Shears.*



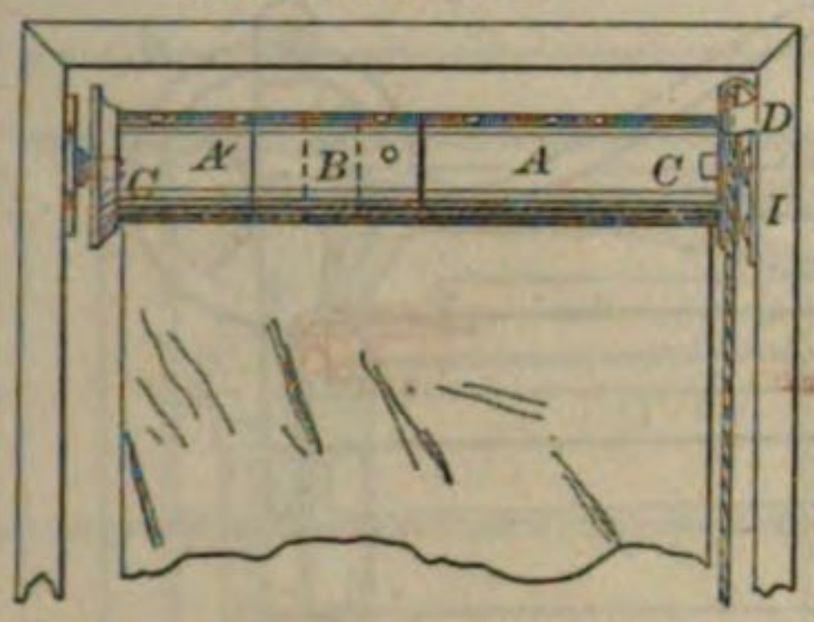
52294—T. Kennedy—*Screw Cutting Chuck.*



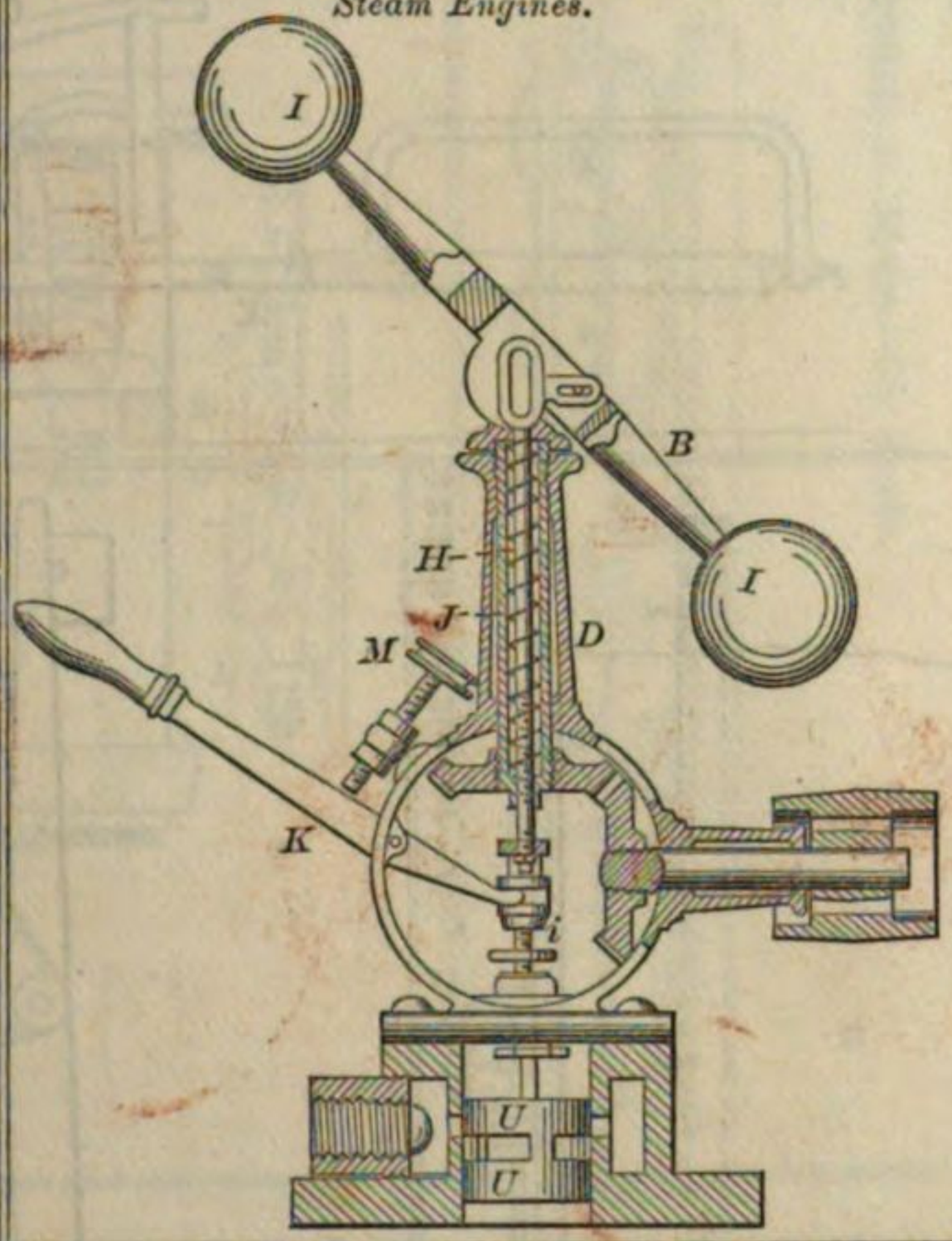
52295—W. S. & J. S. Lakin—*Fertilizer Sower.*



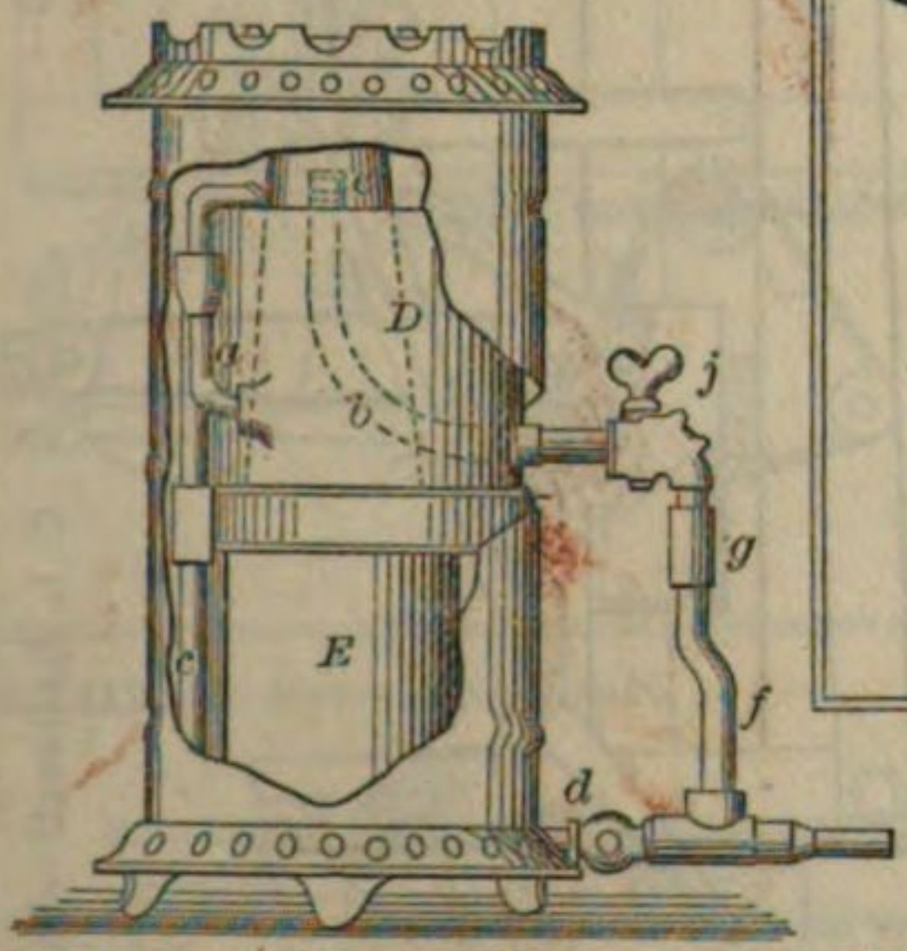
52296—Lamberson & Morton—*Curtain Fixture.*



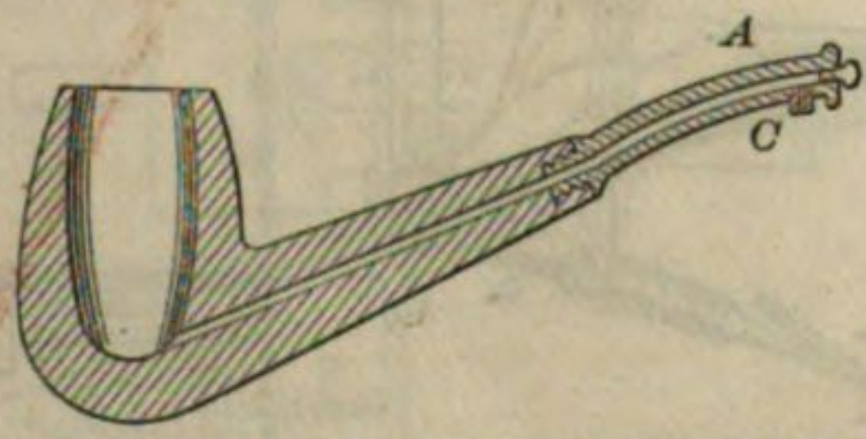
52298—A. P. & B. F. Lanterman—*Governor for Steam Engines.*



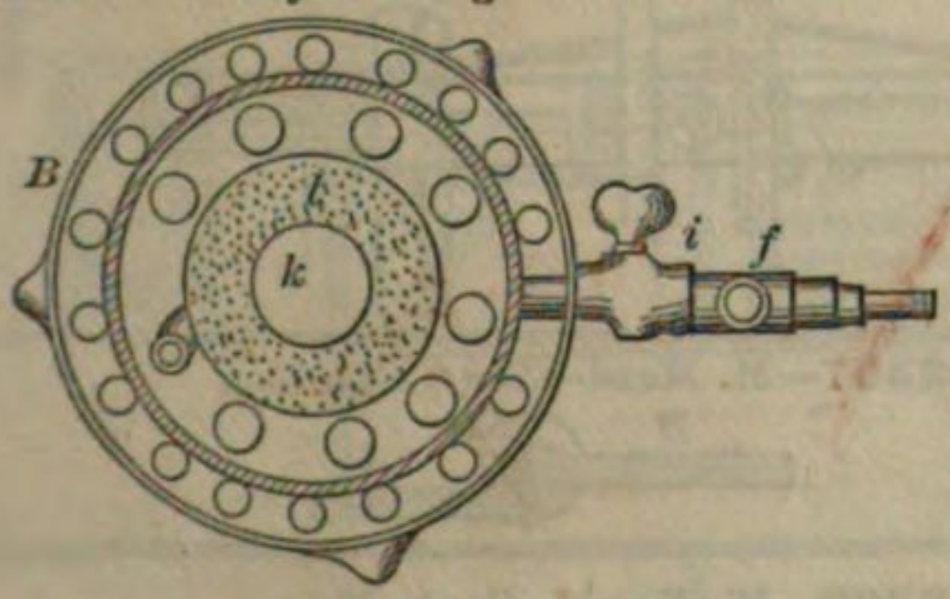
52299—Lesley & Craig—*Gas Stove.*



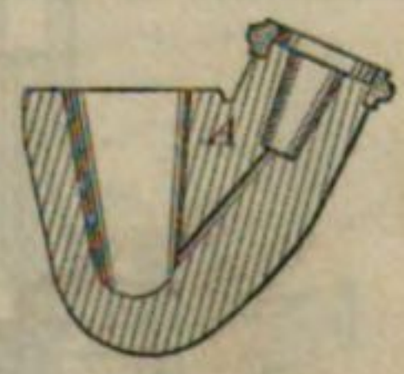
52302—R. Livingston—*Tobacco Pipe.*



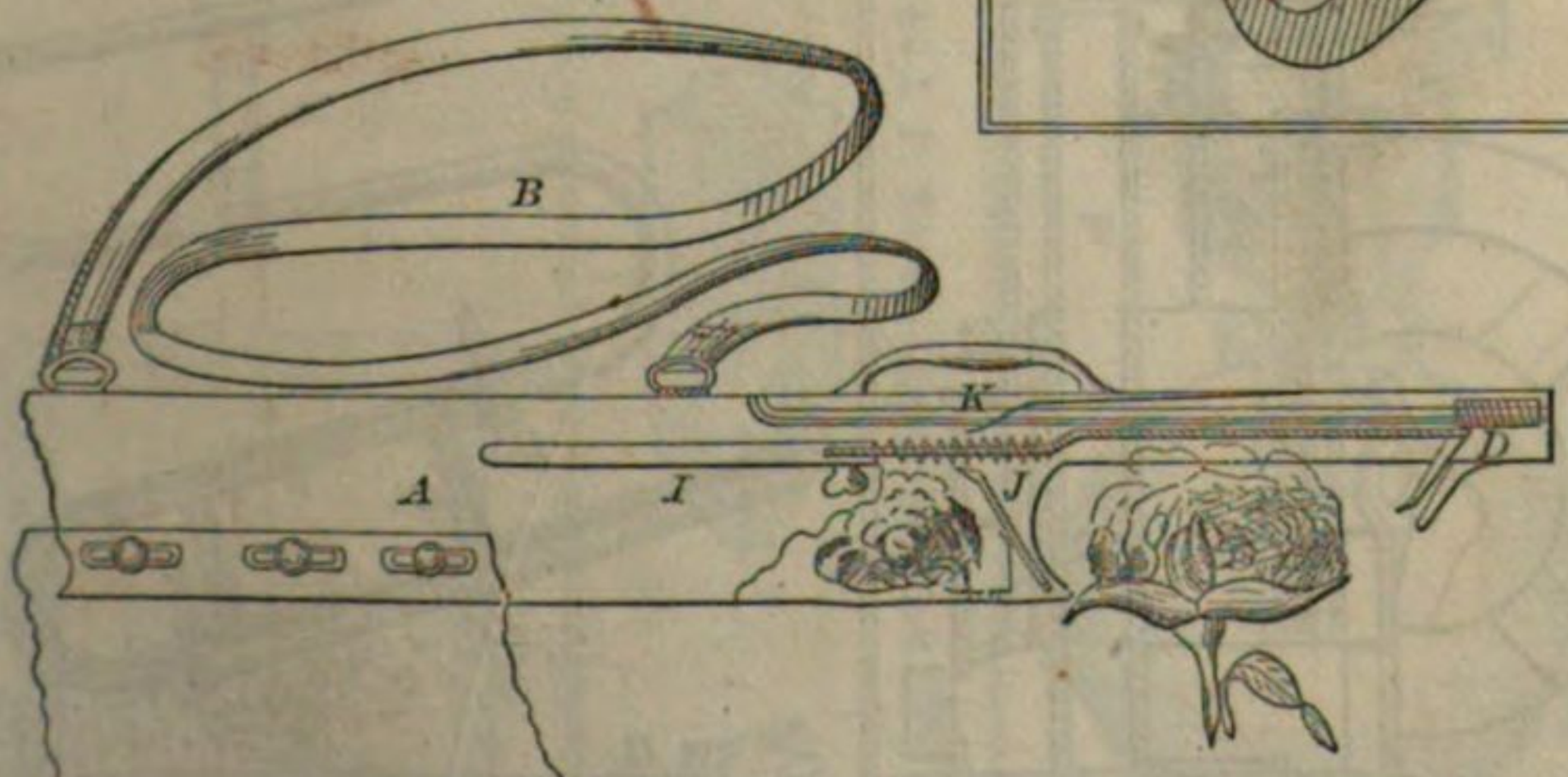
52300—Lesley & Craig—*Gas Stove.*



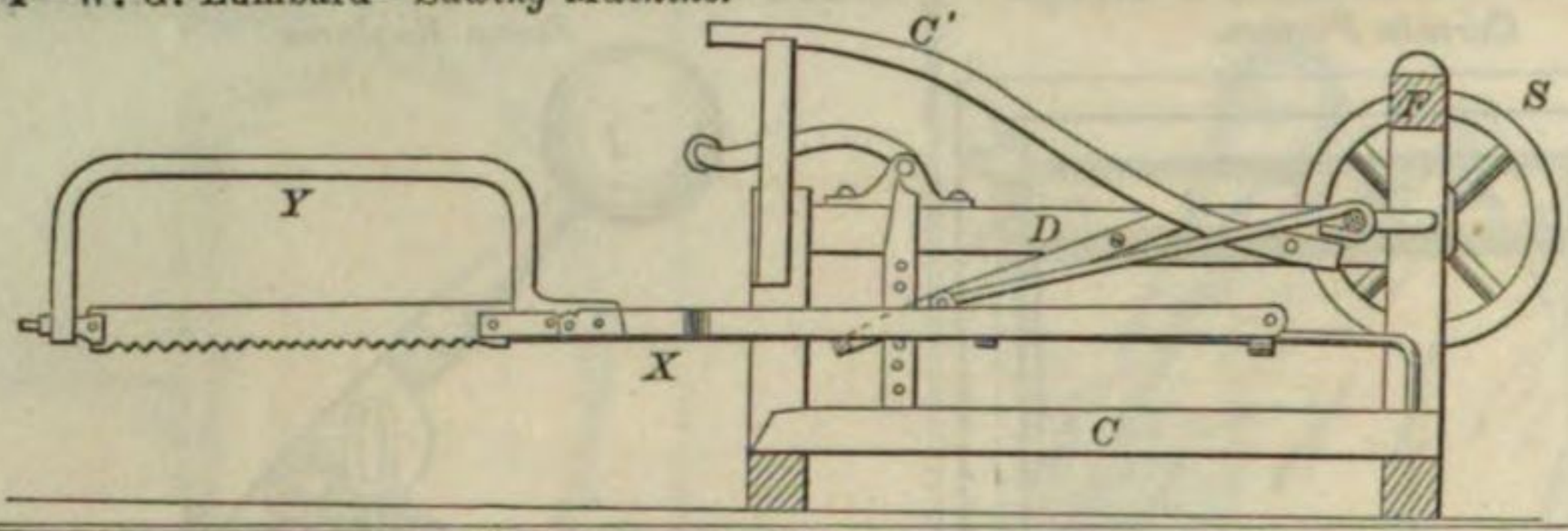
52297—Lautenschlager & Gott—*Tobacco Pipe.*



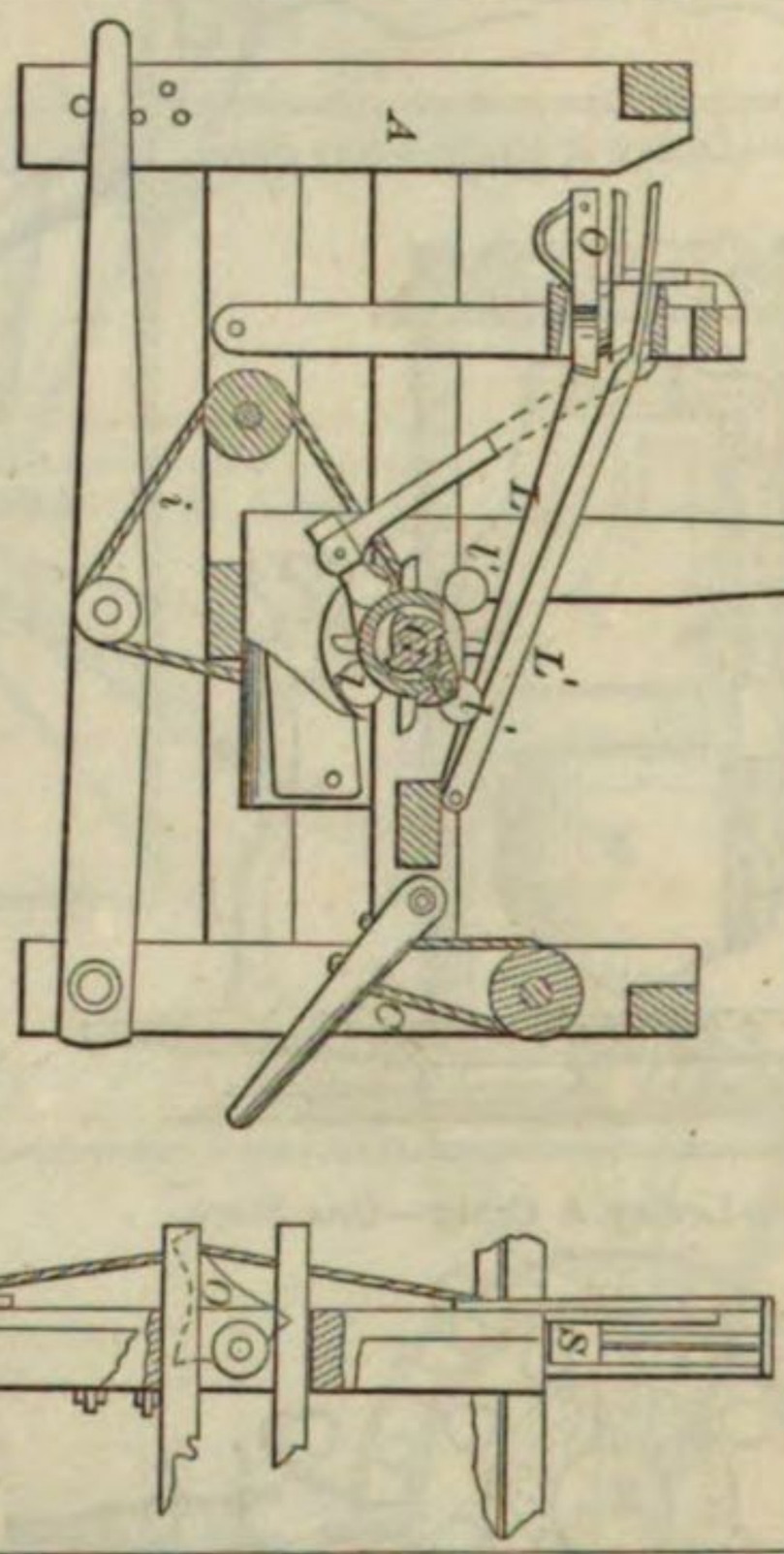
52303—W. D. Ludlow—*Cotton Picker.*



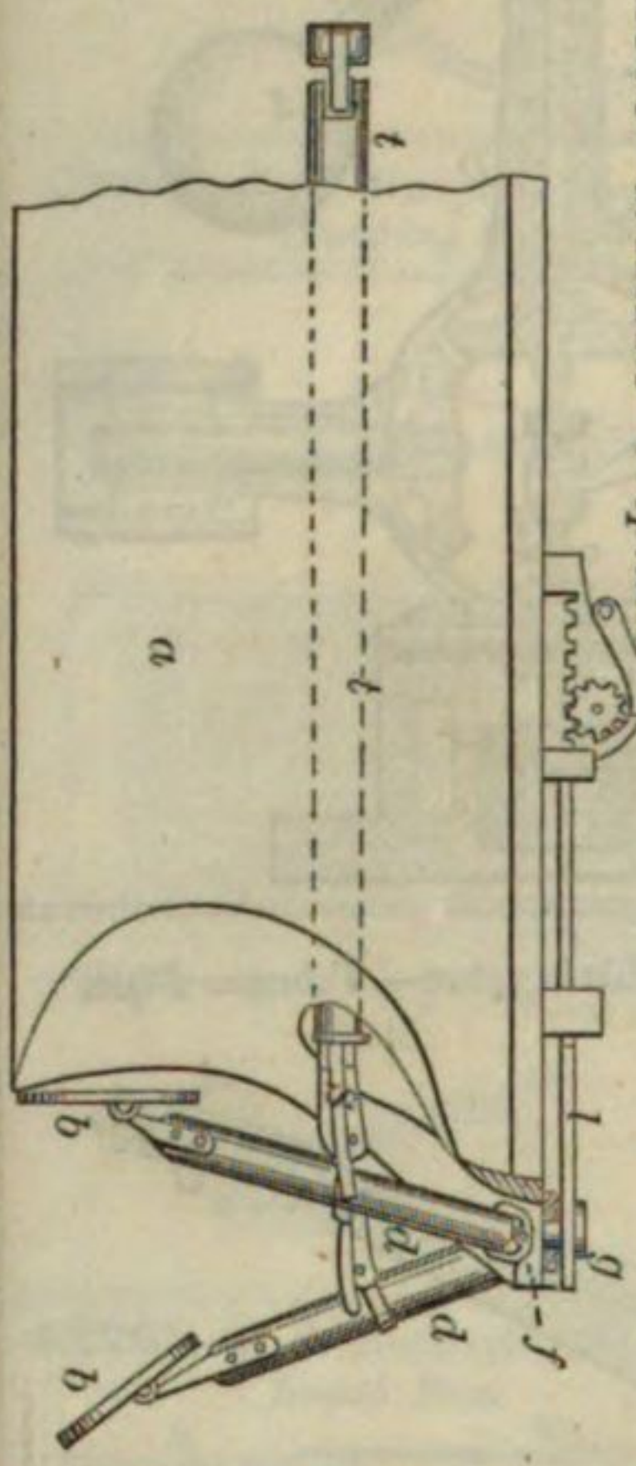
52304—W. G. Lumbard—*Sawing Machine.*



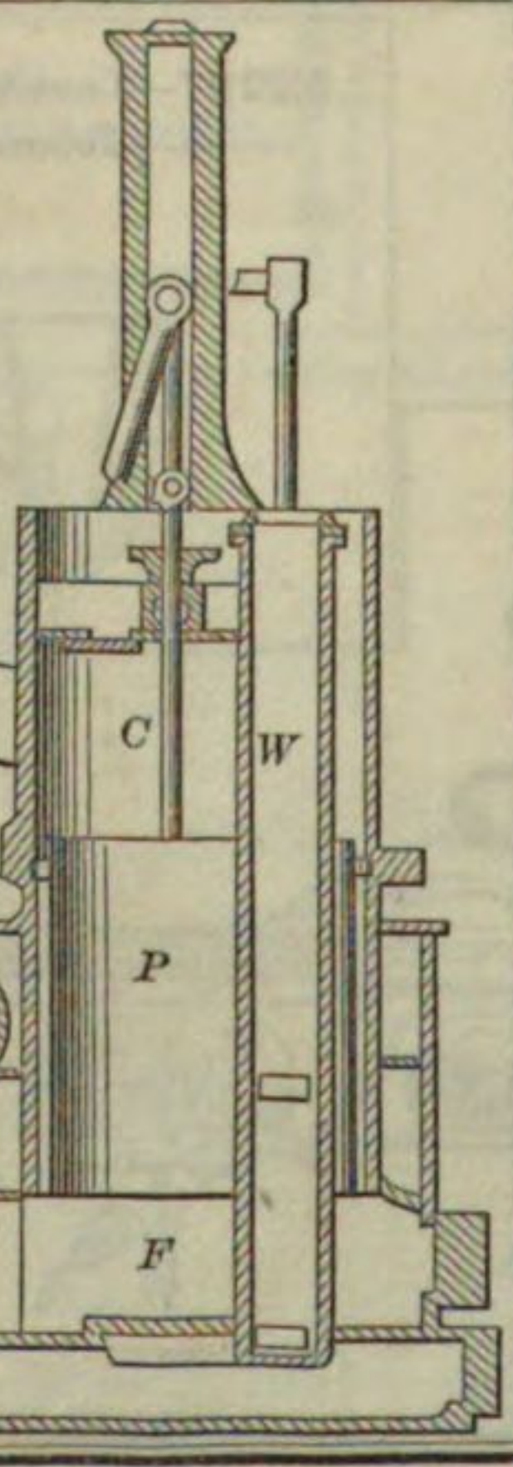
52306—C. L. McDowell—*Hand Loom.*



52308—G. Meader—*Propeller.*

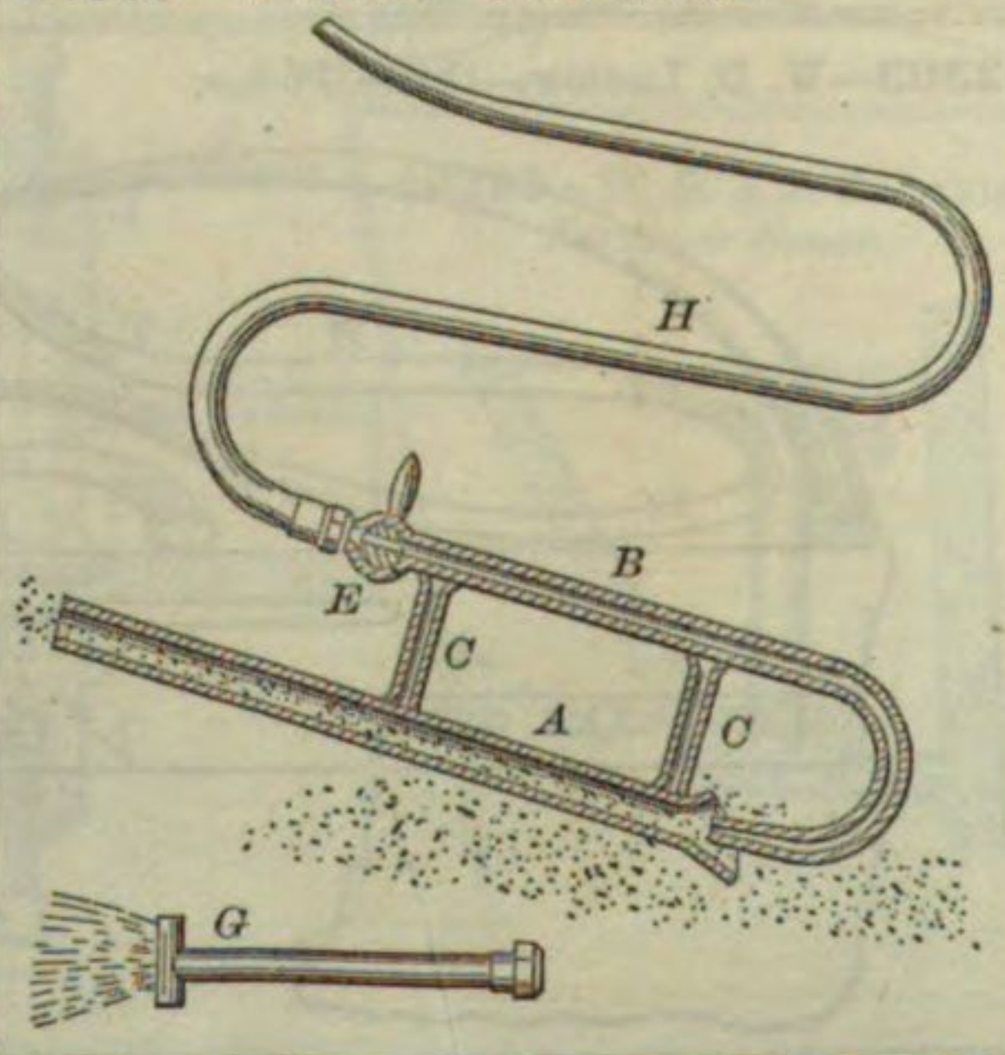


52305—
T. McDonough—
Hot Air Engine.

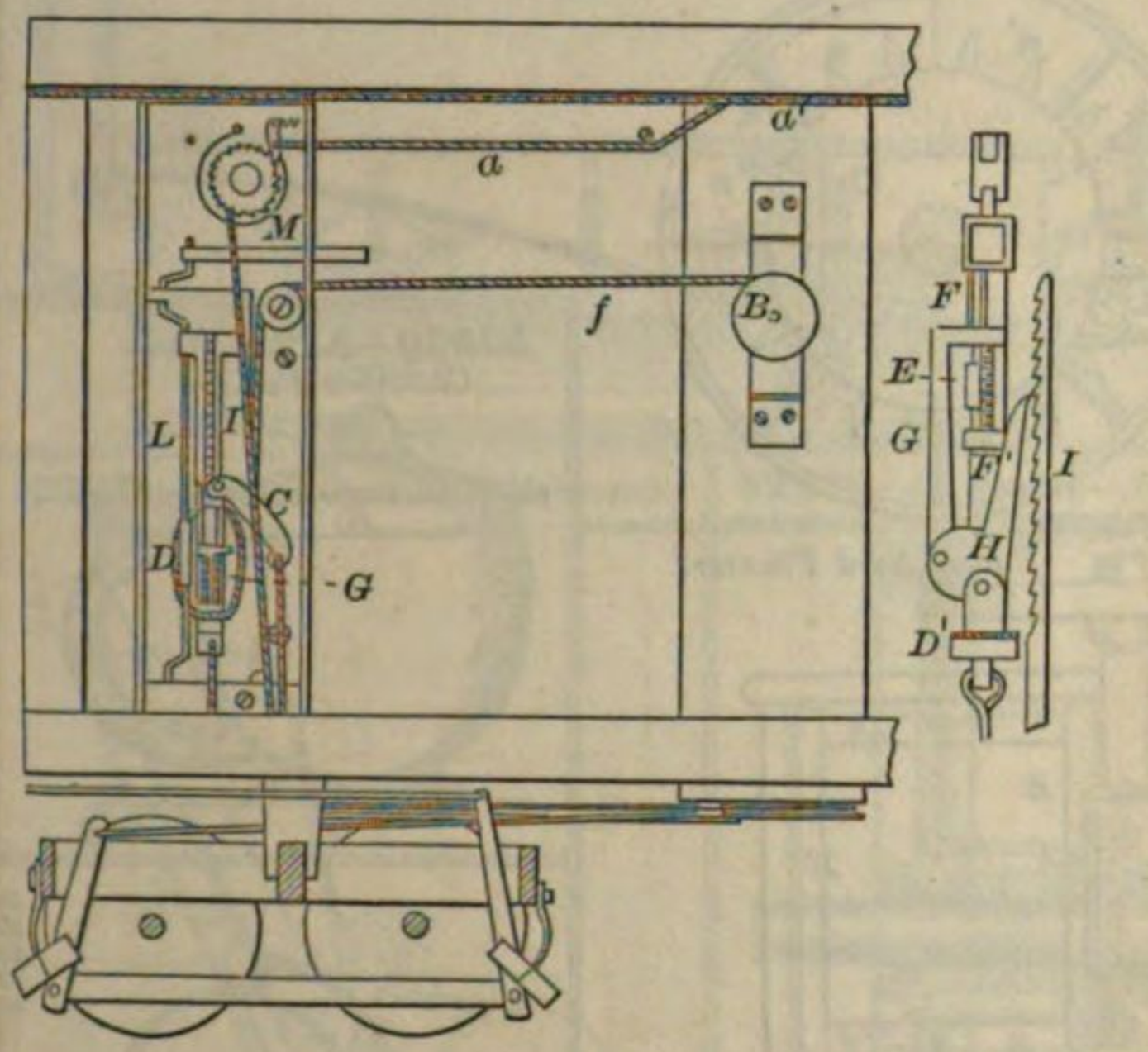


52307—M. Mead—*Shaft Coupling.*

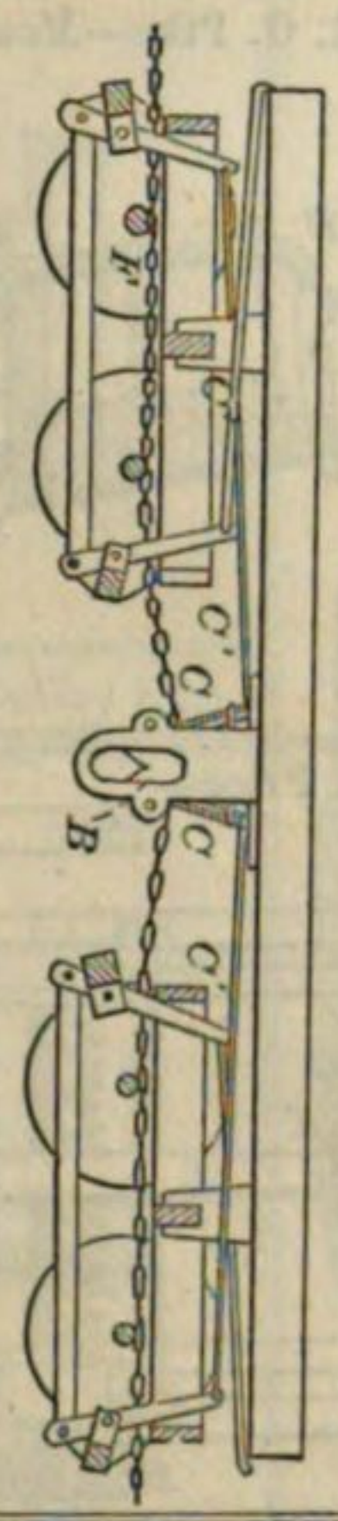
52309—W. Moses—*Grain Mover.*



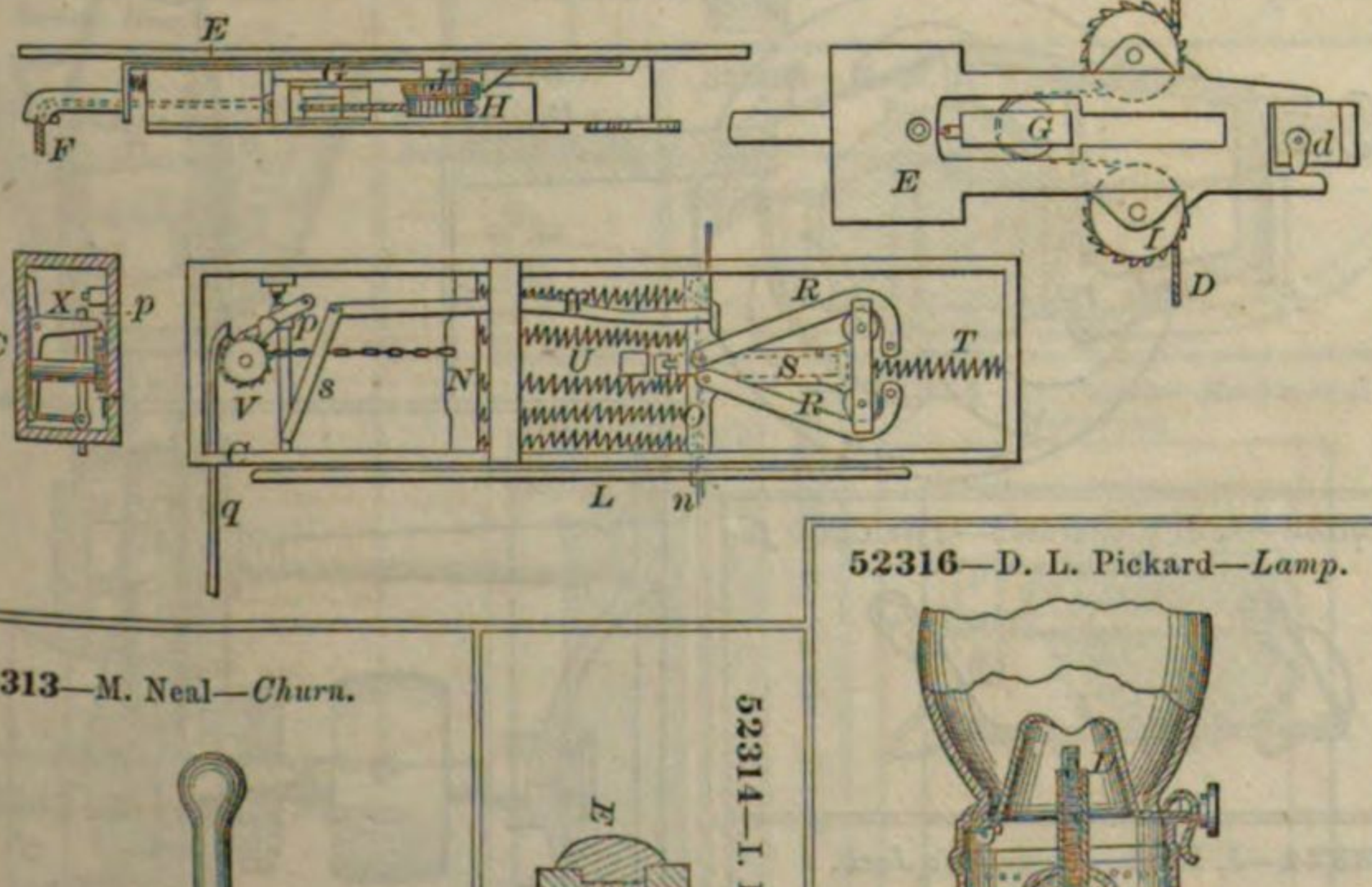
52310—D. Myers—*Car Brake.*



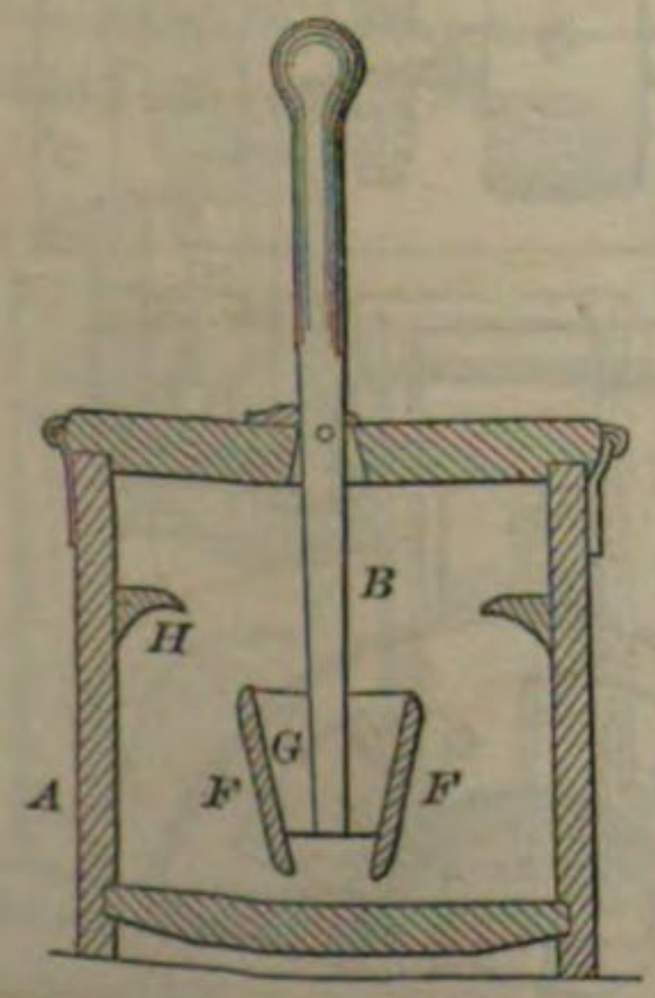
52311—D. Myers—*Car Brake.*



52312—D. Myers—*Car Brake.*

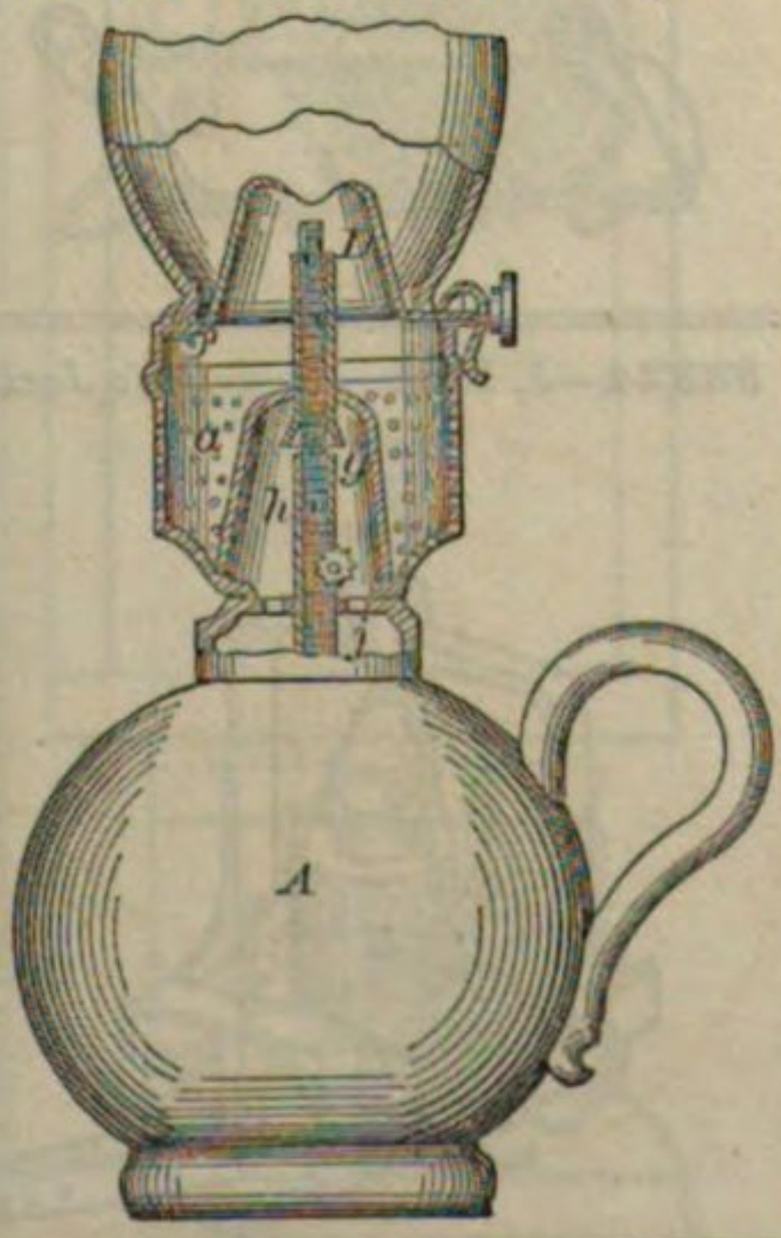


52313—M. Neal—*Churn.*

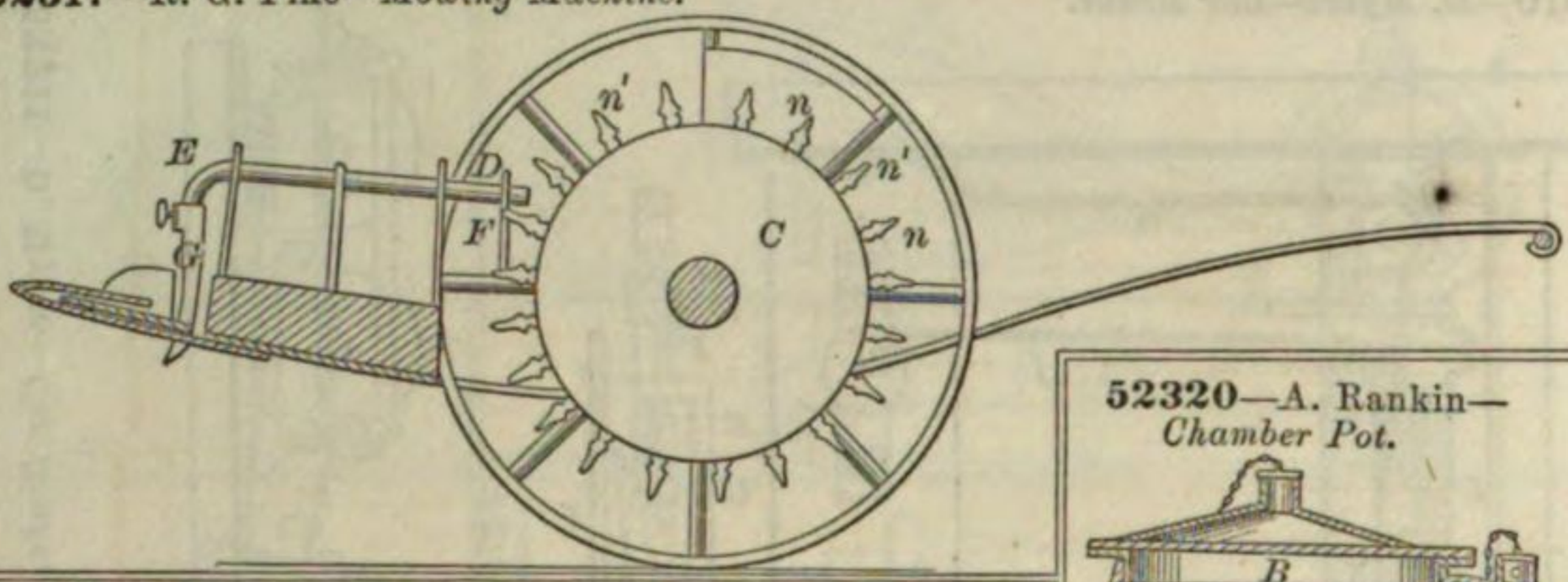


52314—I. P. Noyes—*Explosive Shell.*

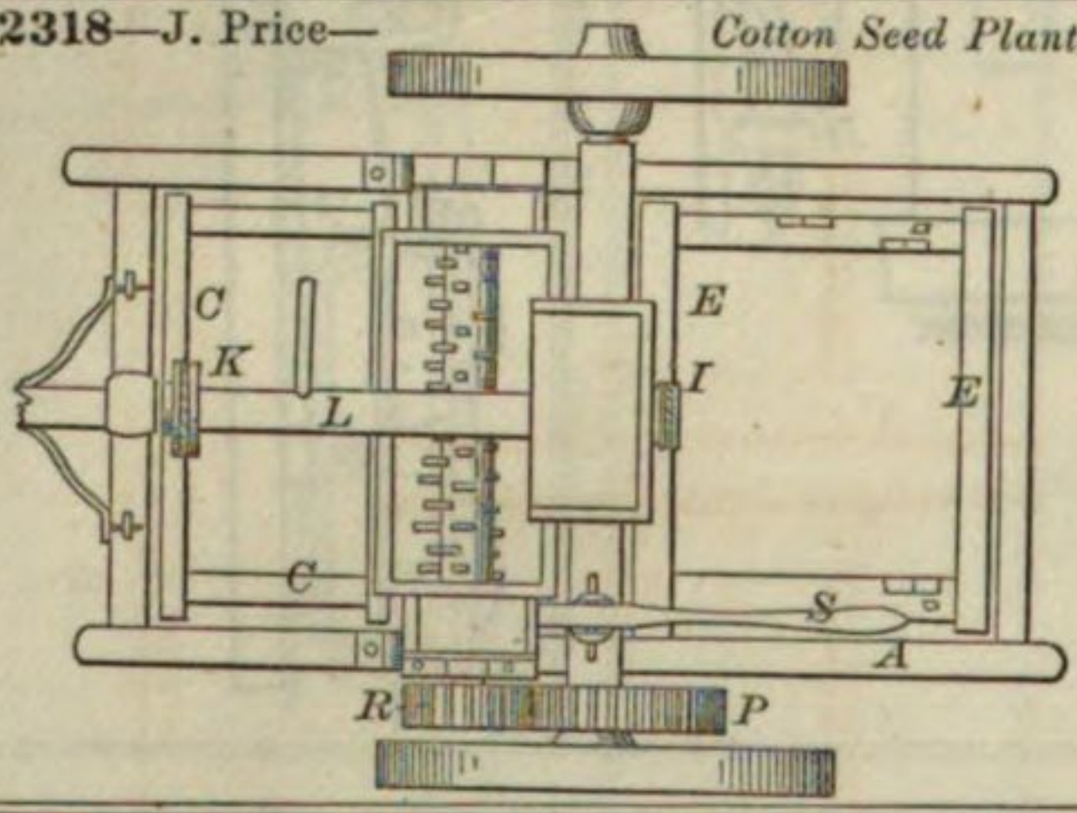
52316—D. L. Pickard—*Lamp.*



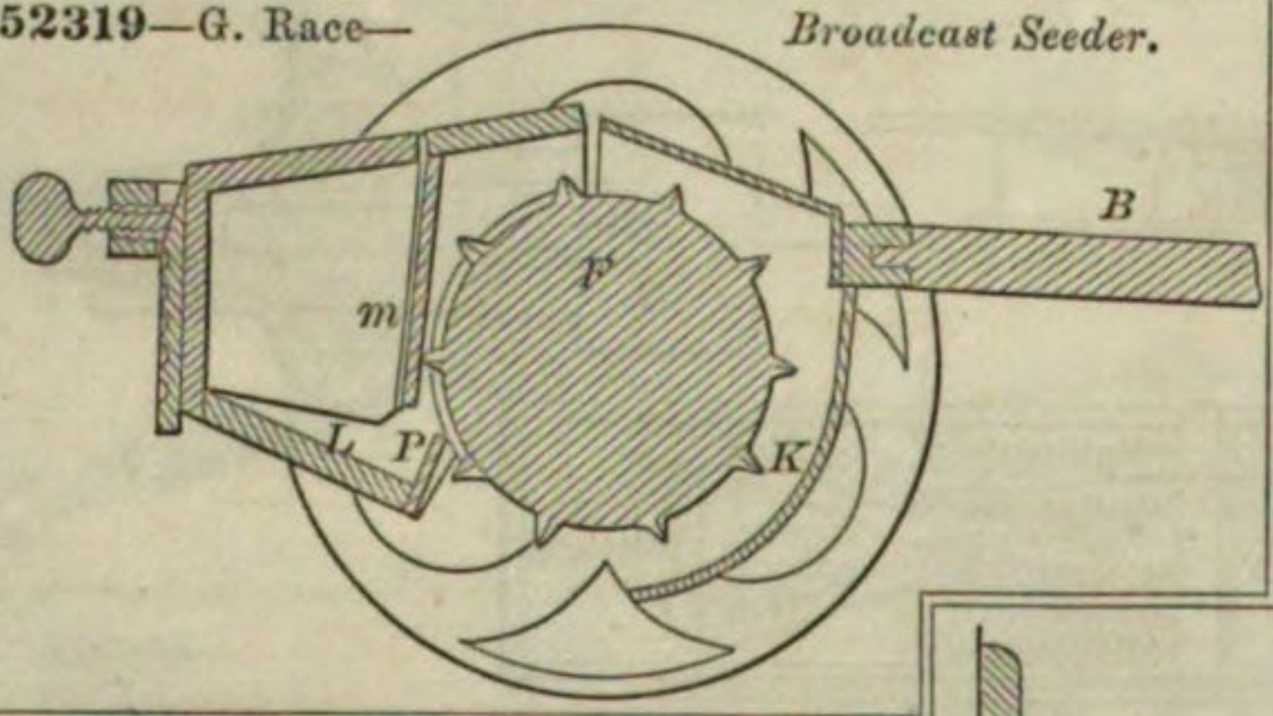
52317—R. G. Pike—*Mowing Machine.*



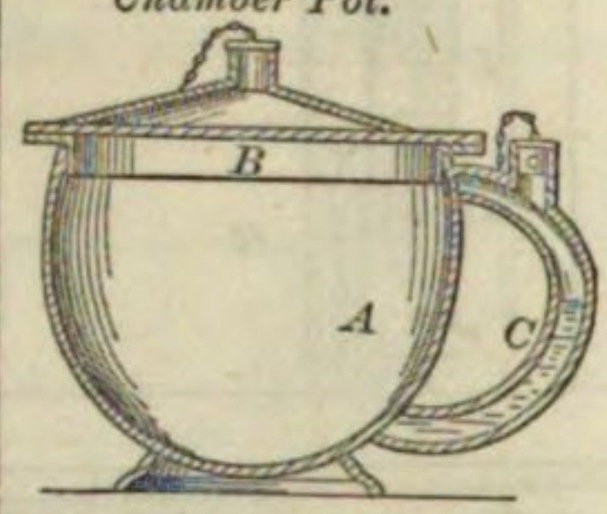
52318—J. Price—*Cotton Seed Planter.*



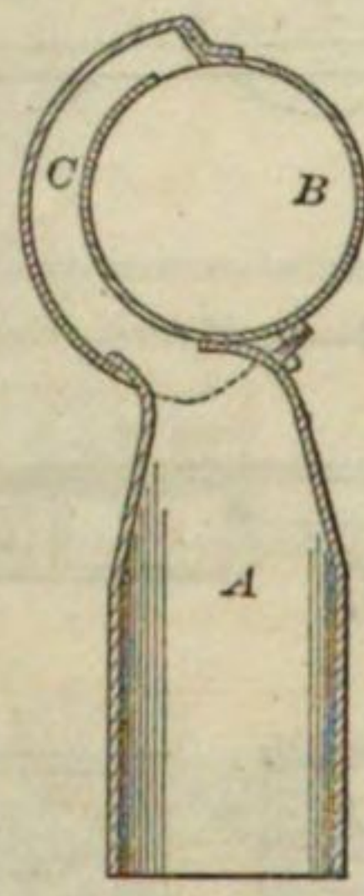
52319—G. Race—*Broadcast Seeder.*



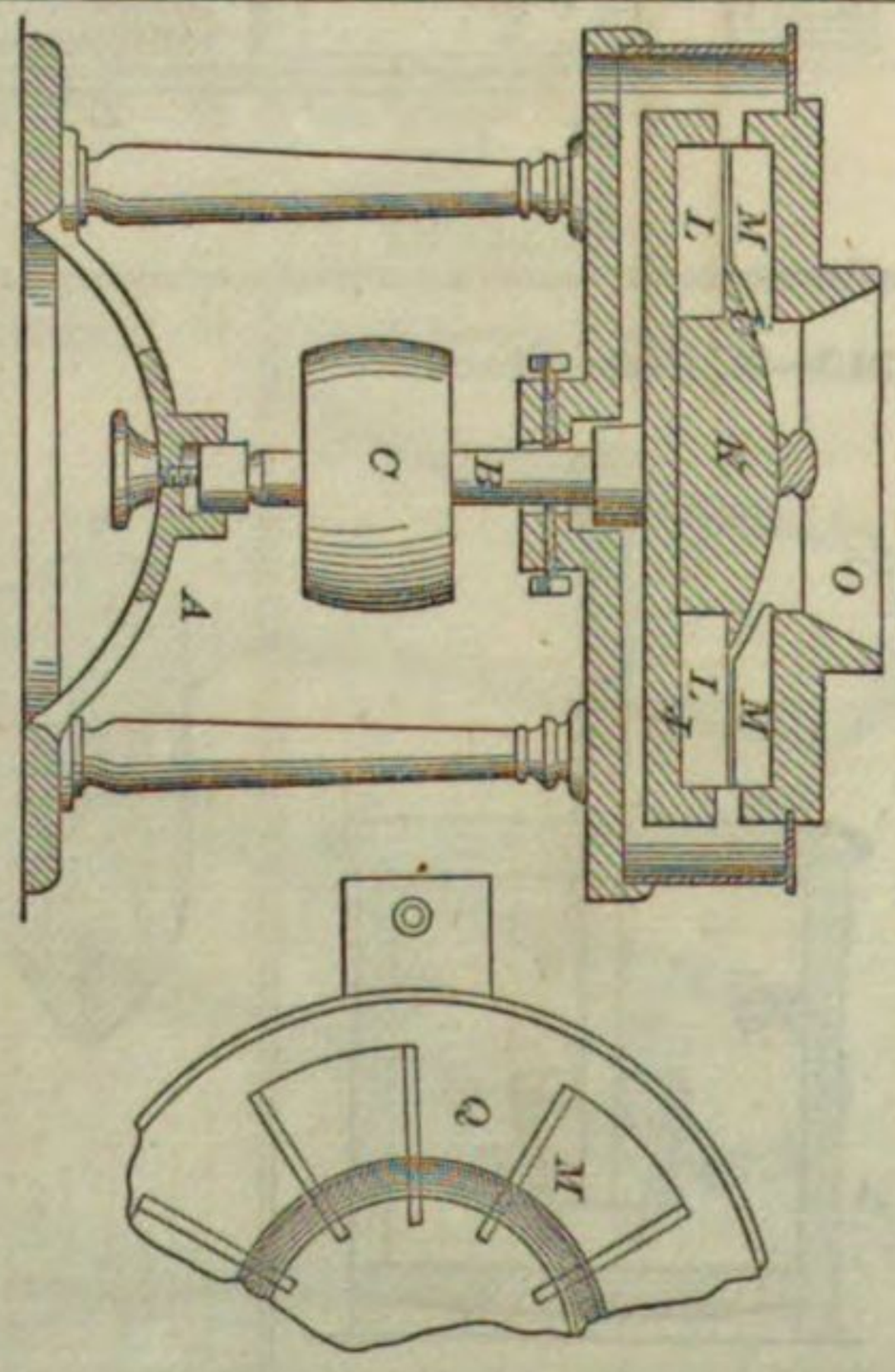
52320—A. Rankin—*Chamber Pot.*



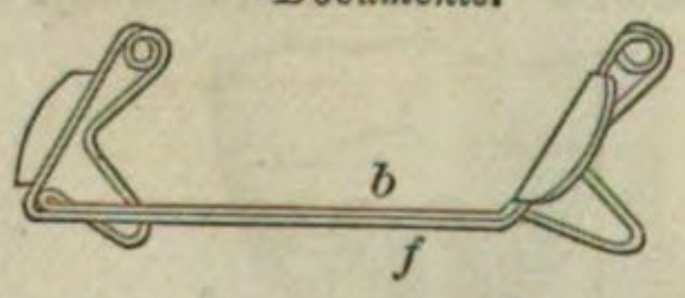
52322—H. Reynolds—*Chimney Cap.*



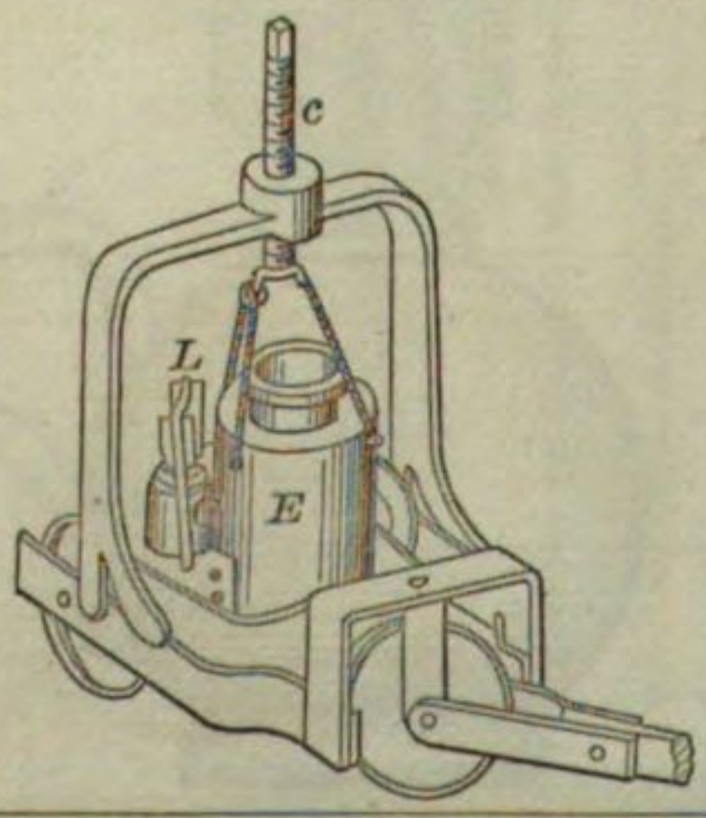
52321—J. B. Ruperts—*Machine for Hulling Cotton Seeds.*



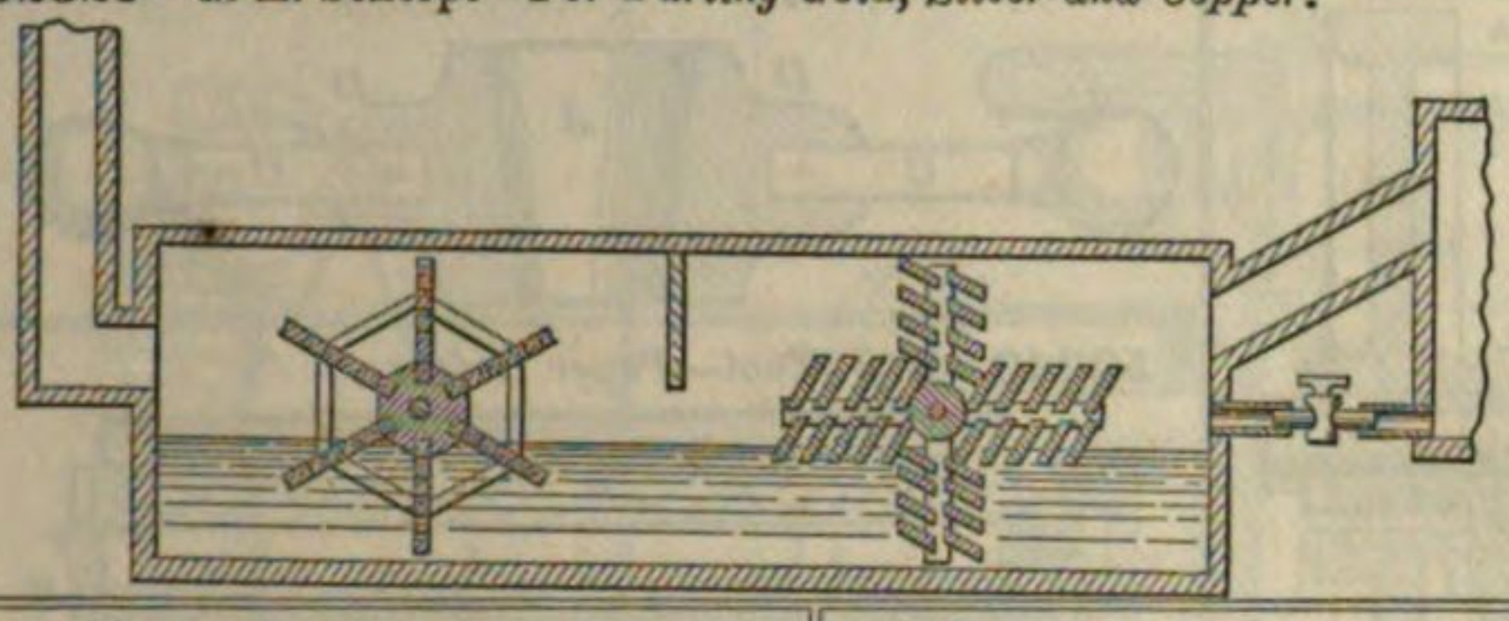
52323—I. S. Richardson—*File Clasp for Documents.*



52324—J. Ryan—*Hydraulic Jack.*

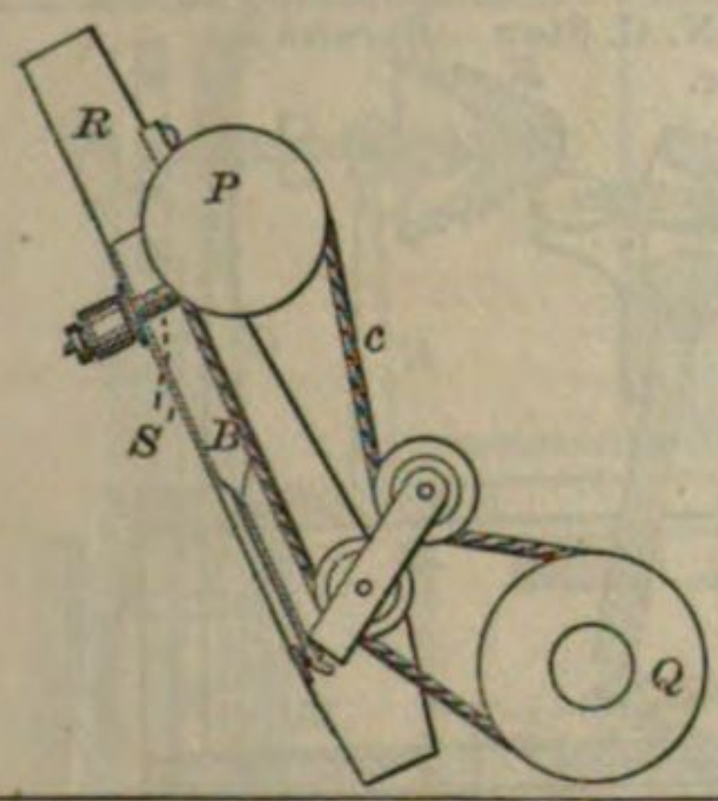


52325—G. A. Scherpf—*For Parting Gold, Silver and Copper.*

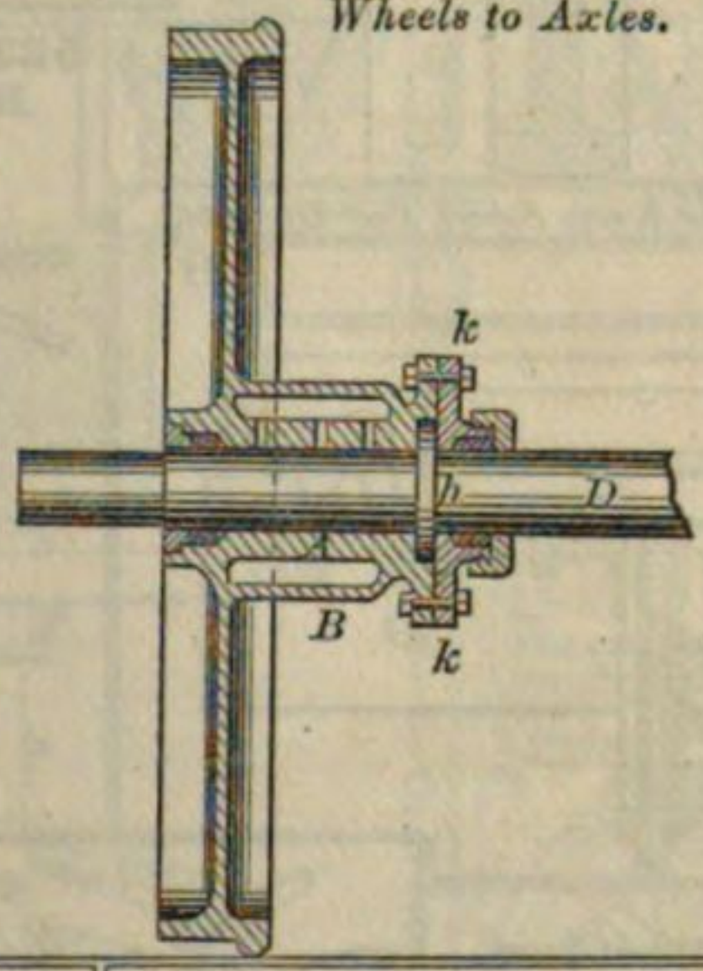


52329—A. S. Sherwood—*Lightning Rod.*

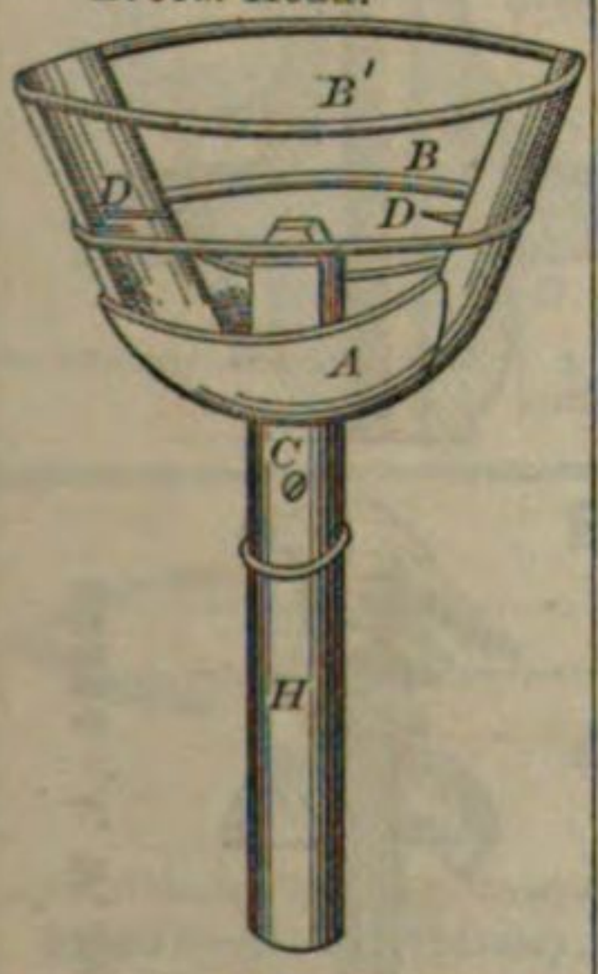
52327—J. F. Seiberling—*Harvester.*



52228—G. Sewell—*Attaching Car Wheels to Axles.*

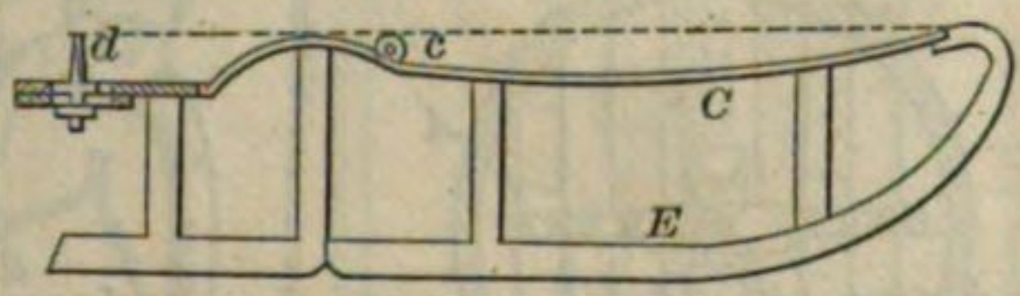


52330—J. E. Short—*Broom Head.*

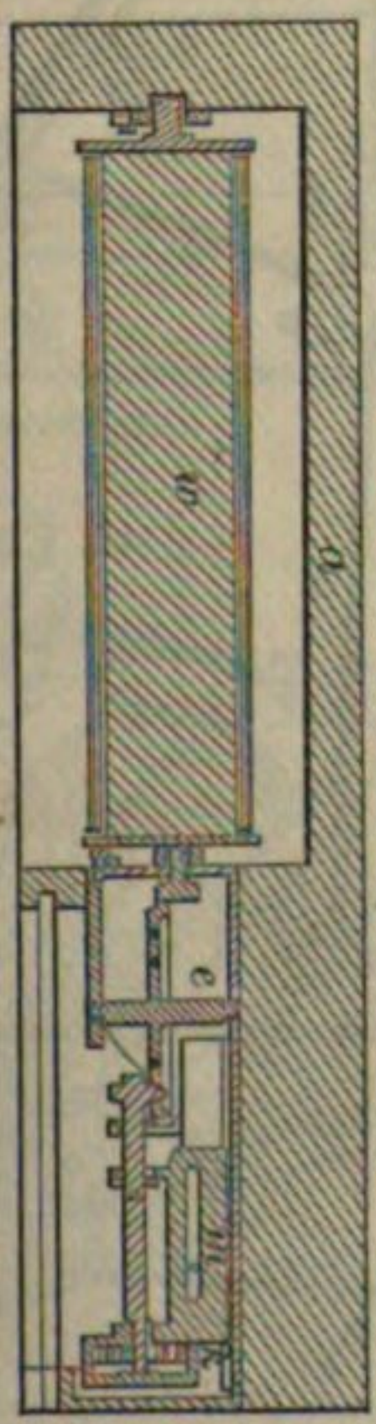


52226—S. R. Screven—*Artificial Teeth.*

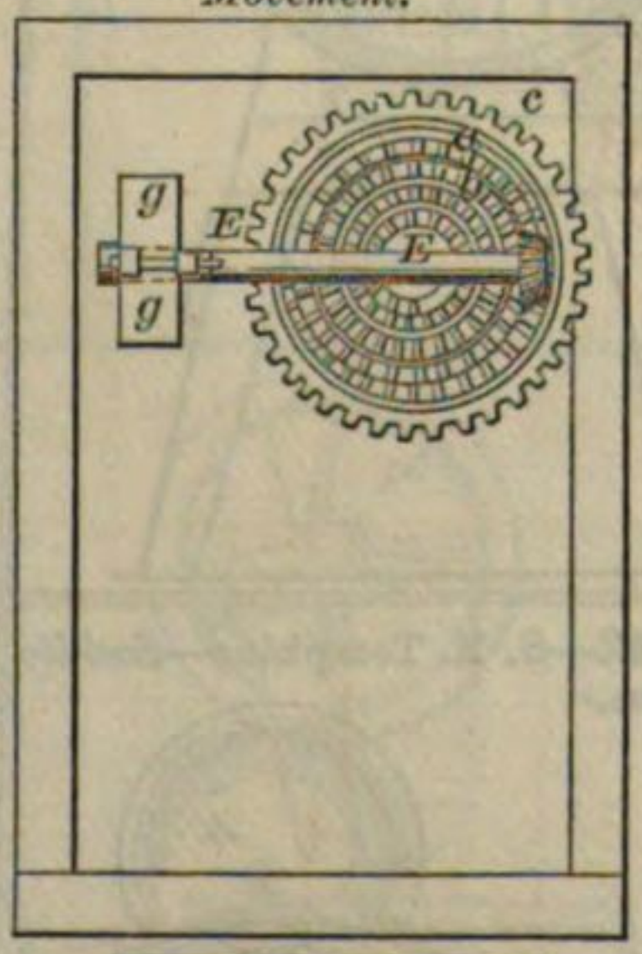
52331—H. N. M. Smith—*Skate.*



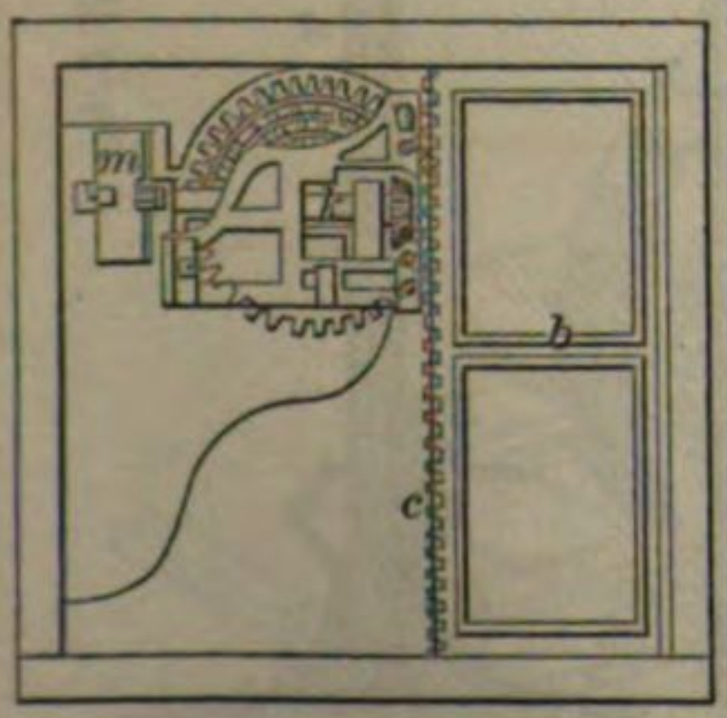
52332—H. Smith—*Window Blind.*

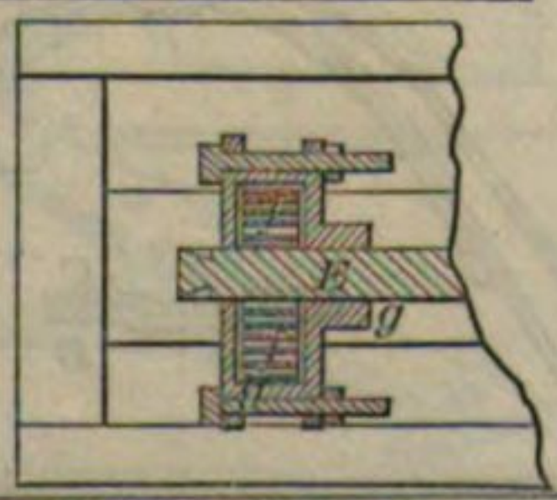


52334—H. Smith—*Mechanical Movement.*

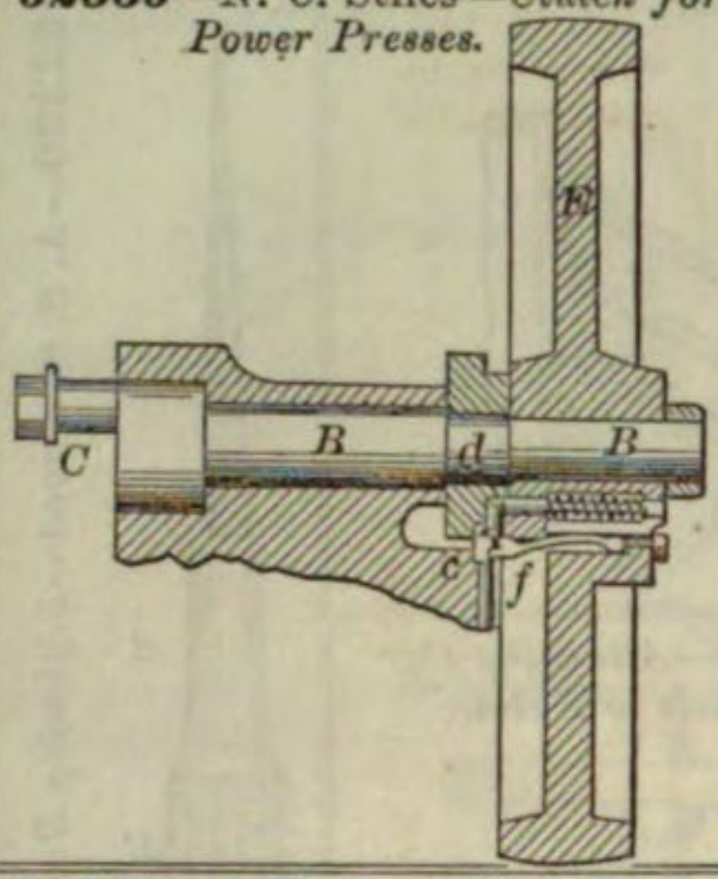


52333—H. Smith—*Window Sash.*

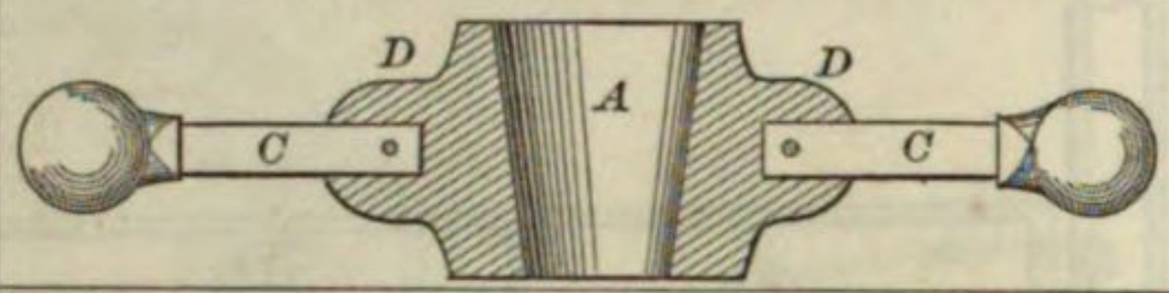




52335—N. C. Stiles—*Clutch for Power Presses.*

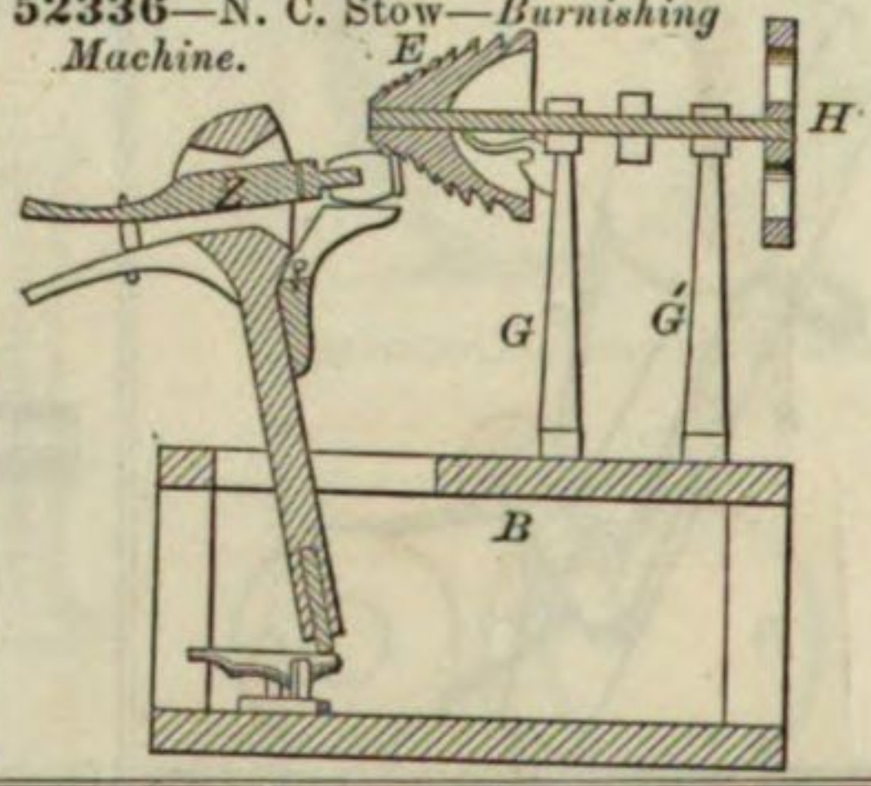


52338—Sweeney, Mathews & Hartley—*Glass Mould.*

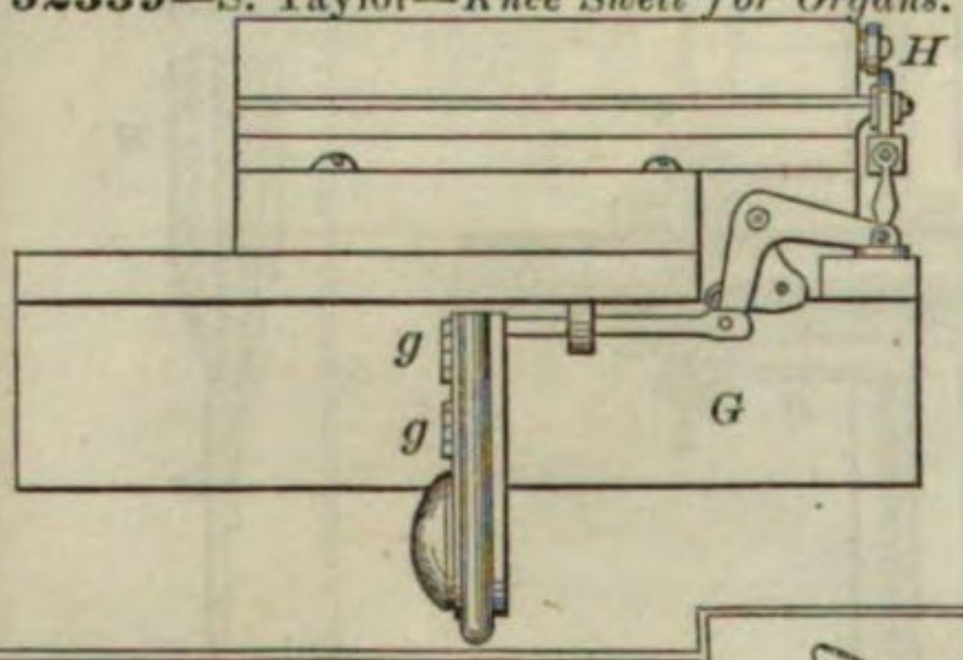


52343—E. J. Toof—*Paper Holder.*

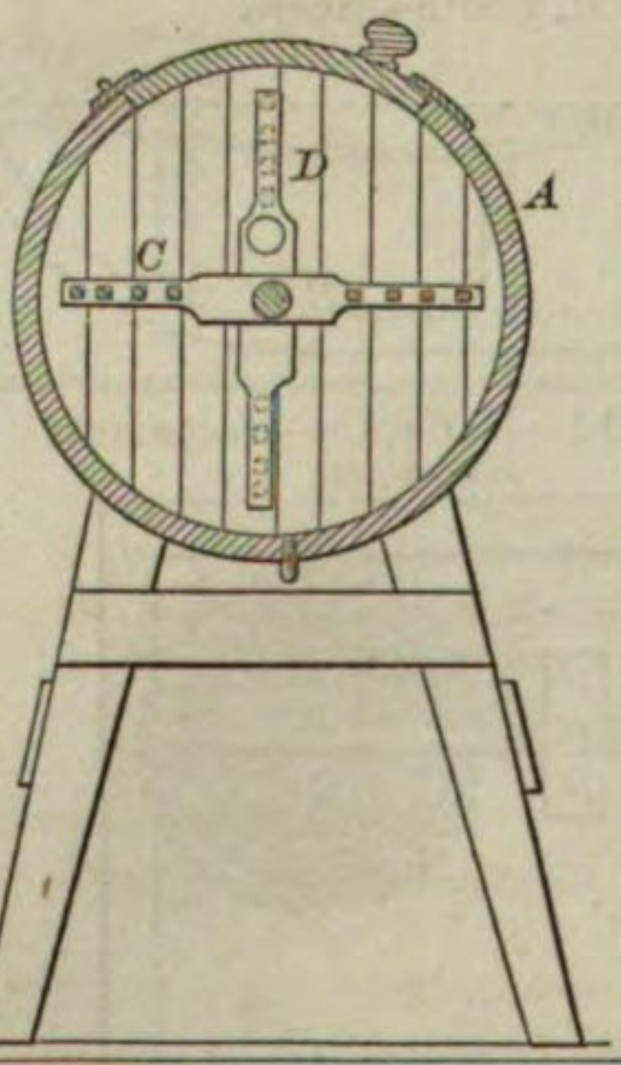
52336—N. C. Stow—*Burnishing Machine.*



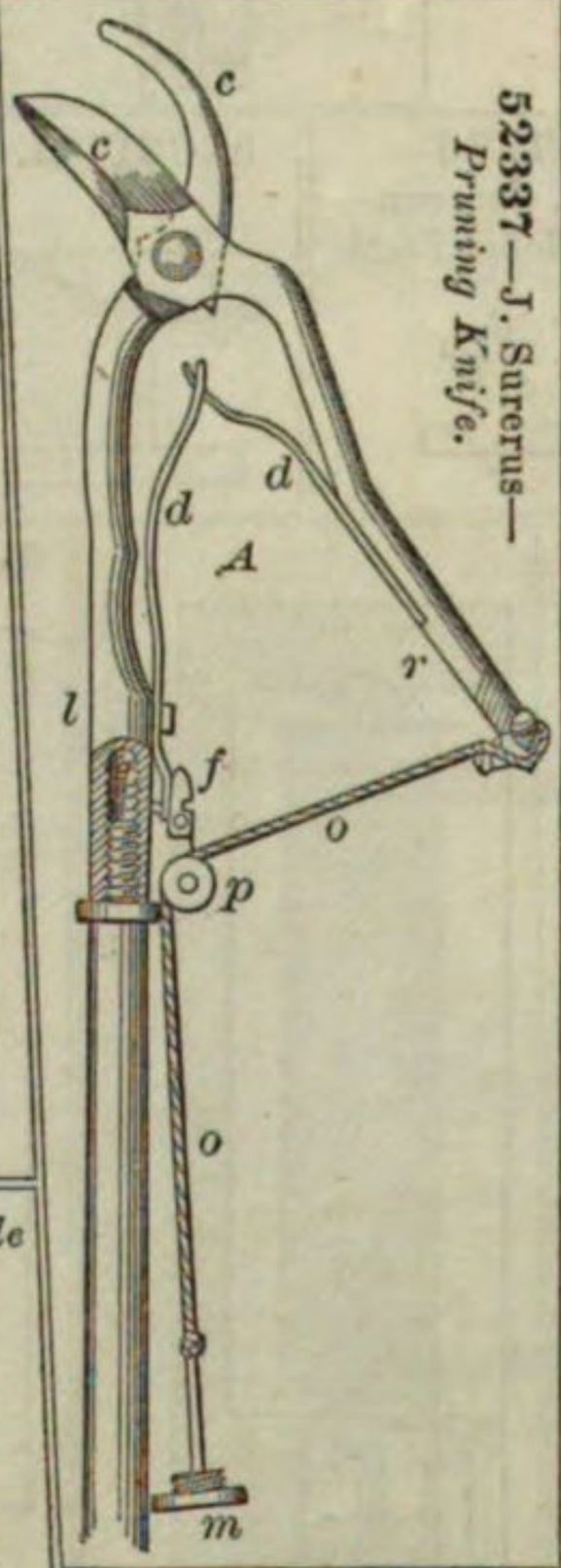
52339—S. Taylor—*Knee Swell for Organs.*



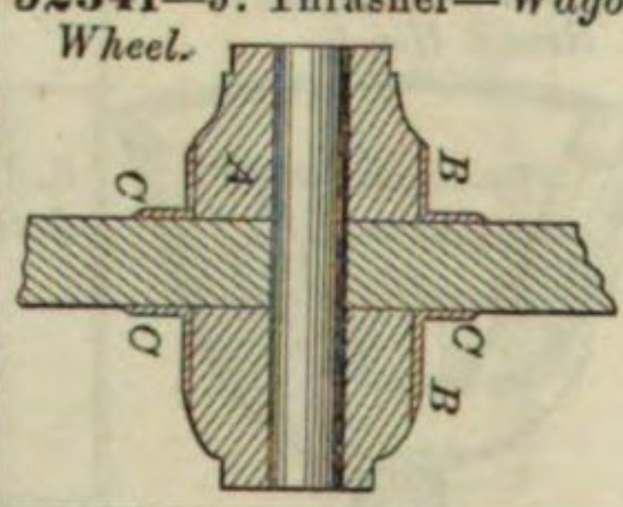
52340—T. J. Thorn—*Churn.*



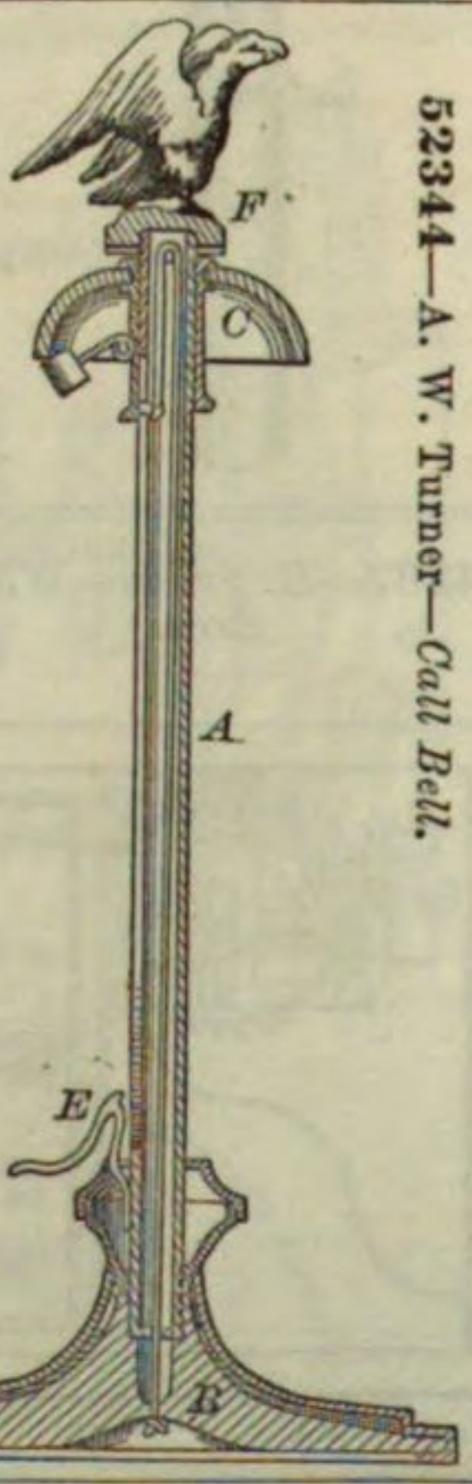
52337—J. Surerus—*Pruning Knife.*



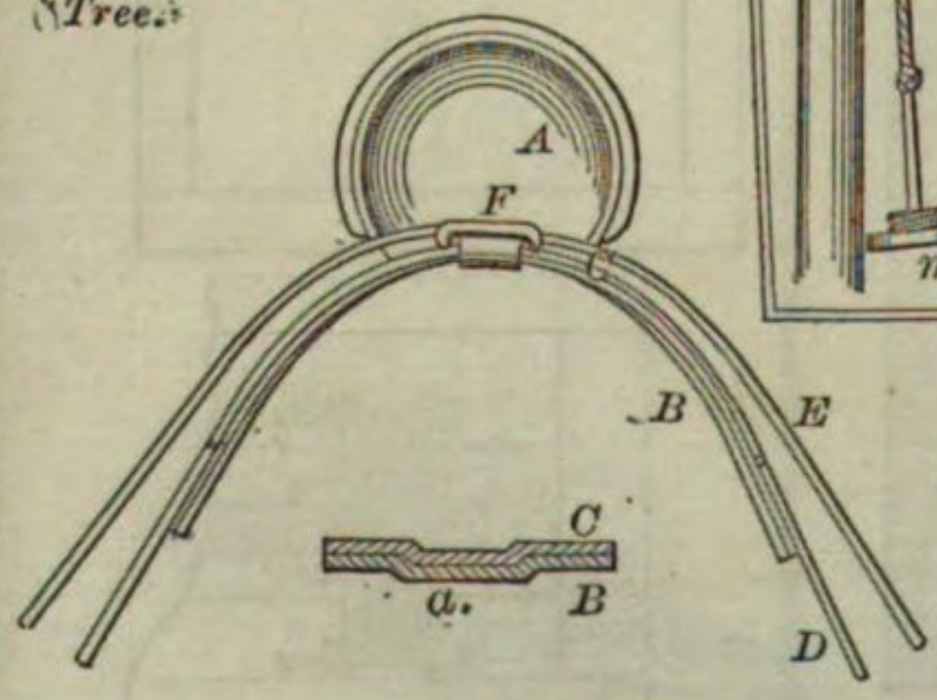
52341—J. Thrasher—*Wagon Wheel.*



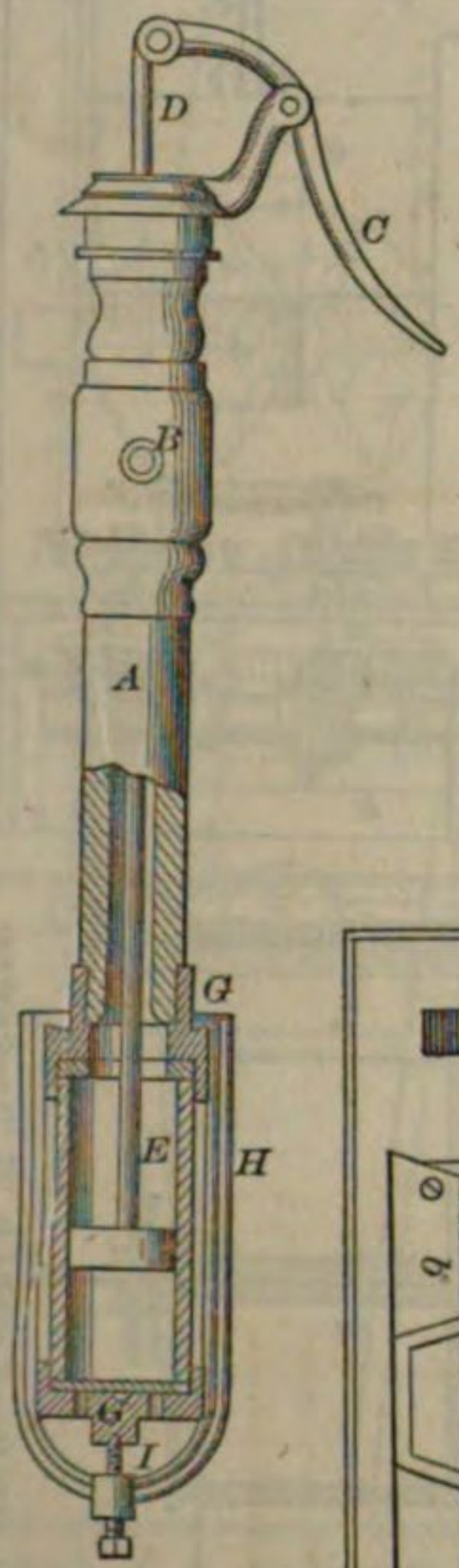
52344—A. W. Turner—*Call Bell.*



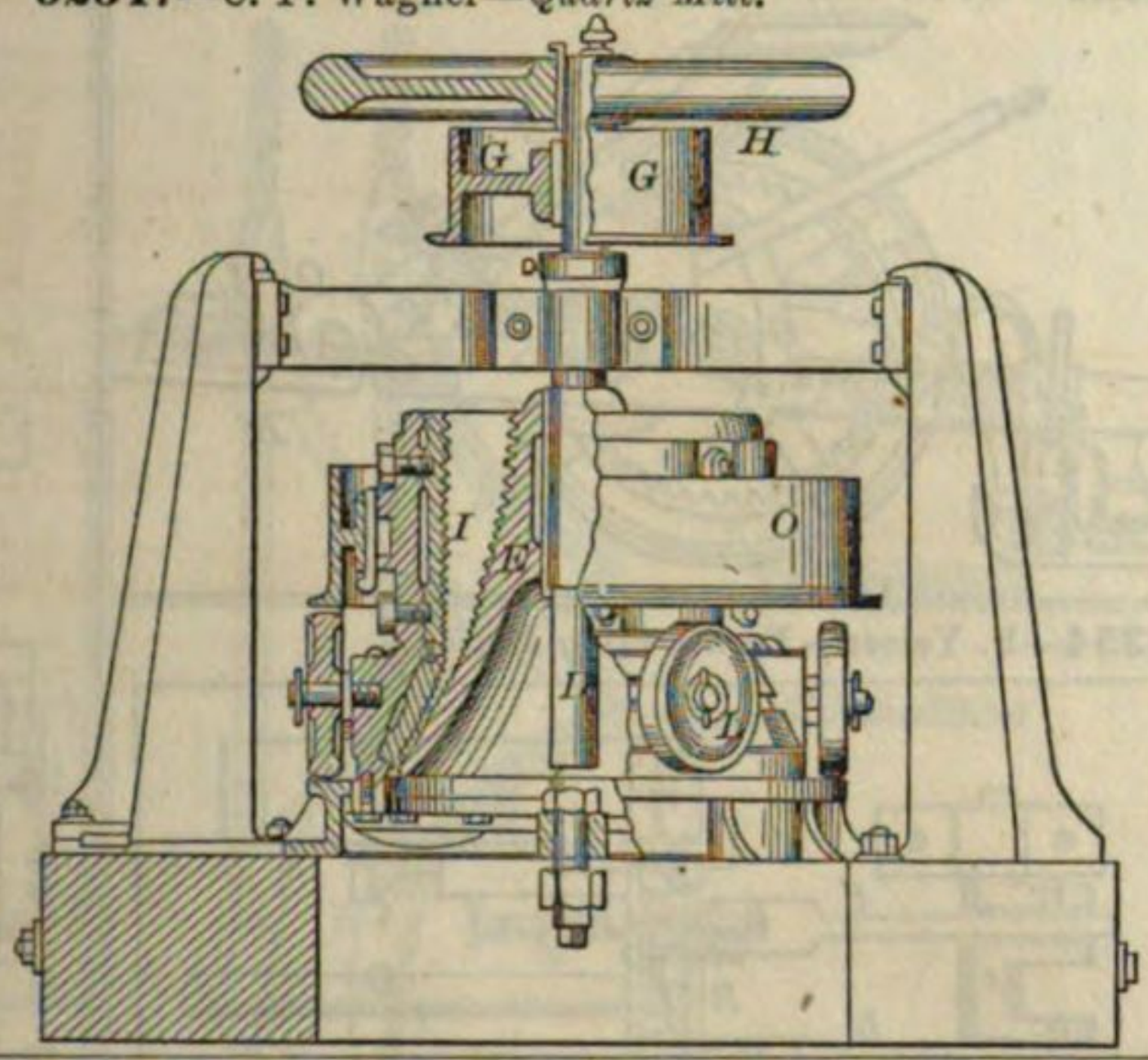
52342—S. E. Tompkins—*Saddle Tree.*



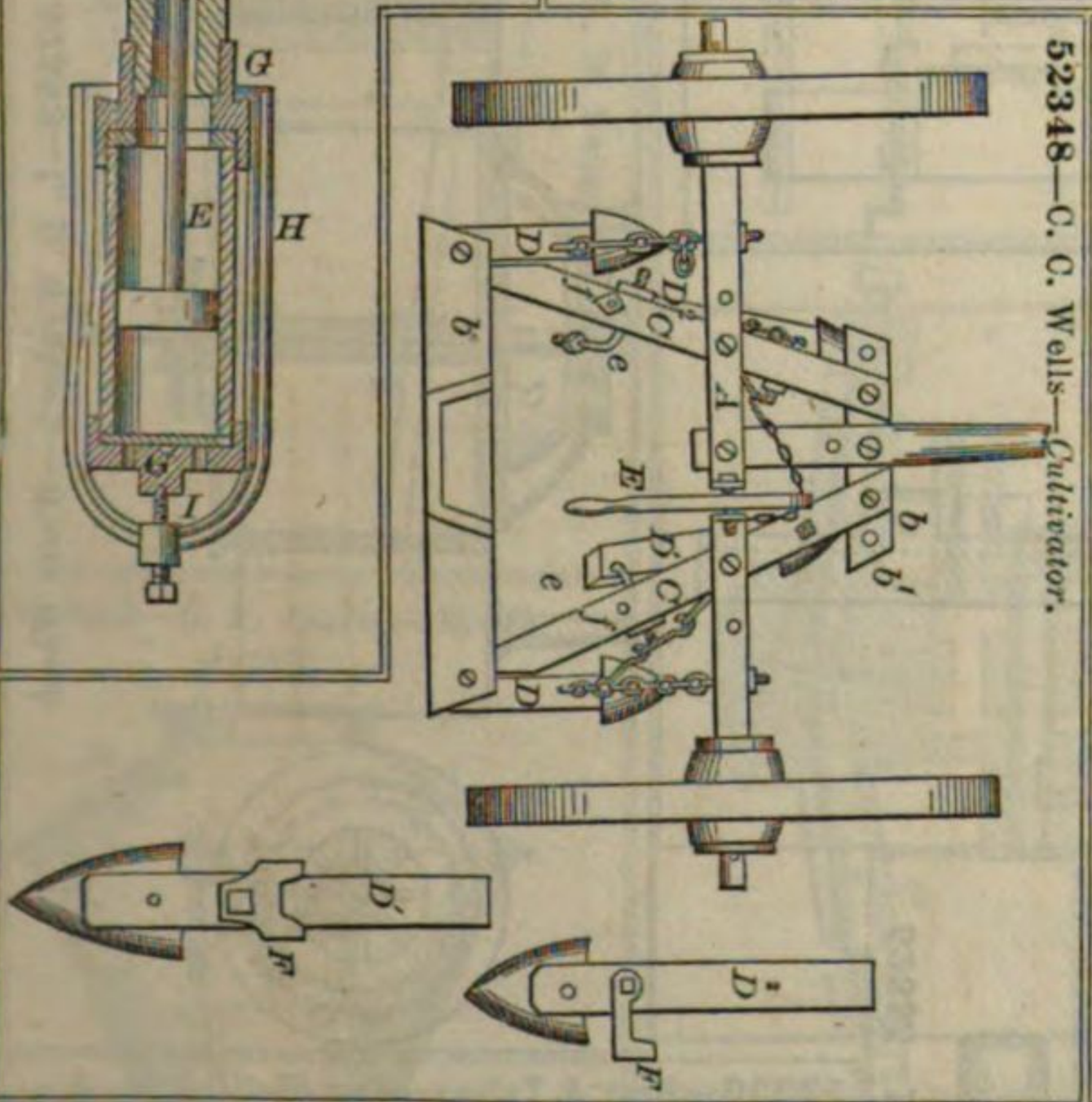
52346—S. Vance—*Pump.*



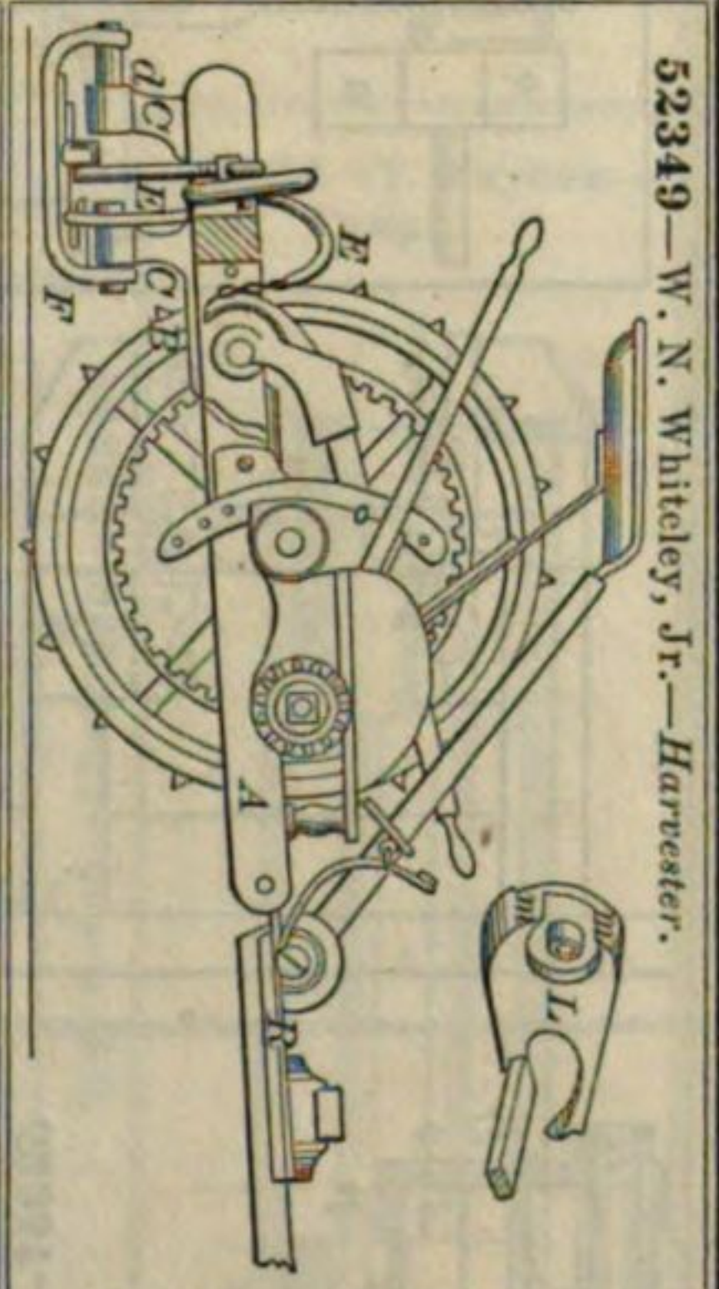
52347—C. P. Wagner—*Quartz Mill.*



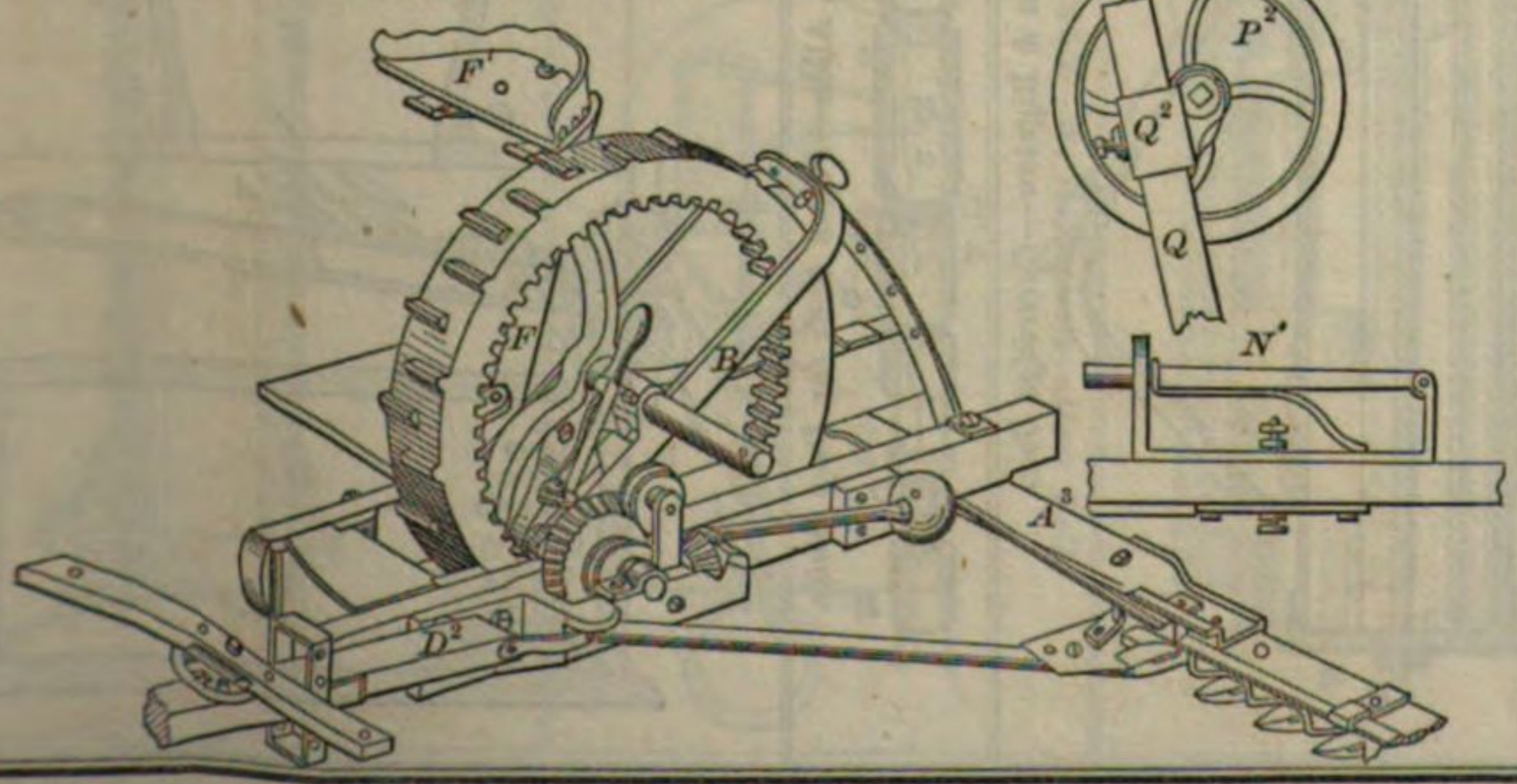
52348—C. C. Wells—*Cultivator.*



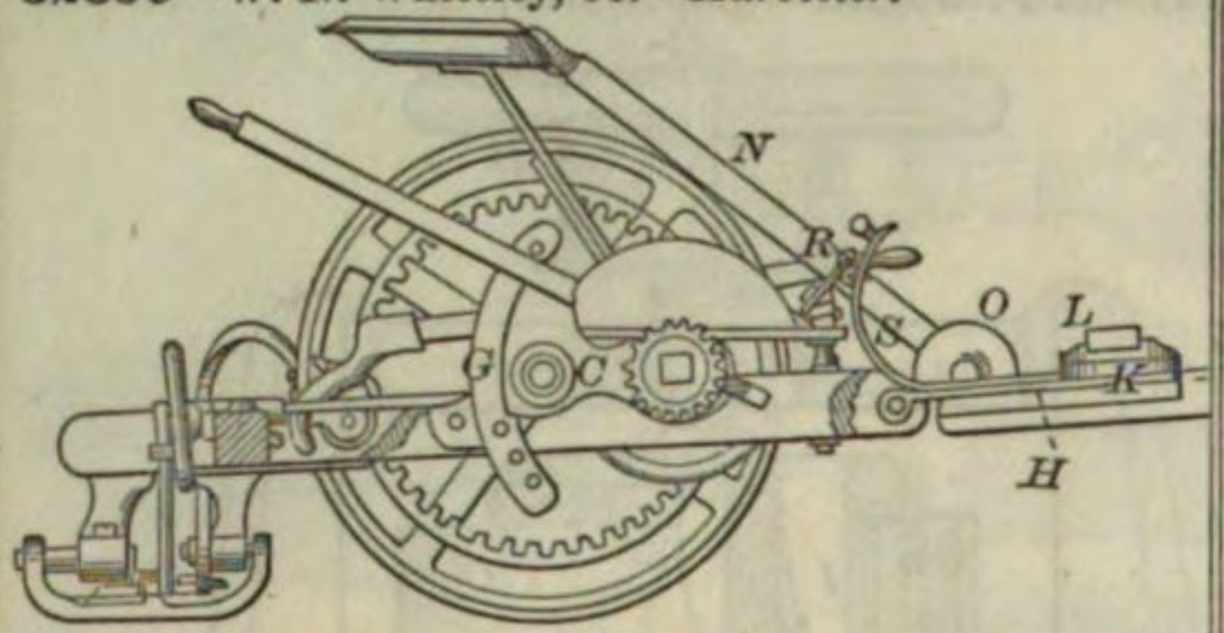
52349—W. N. Whiteley, Jr.—*Harvester.*



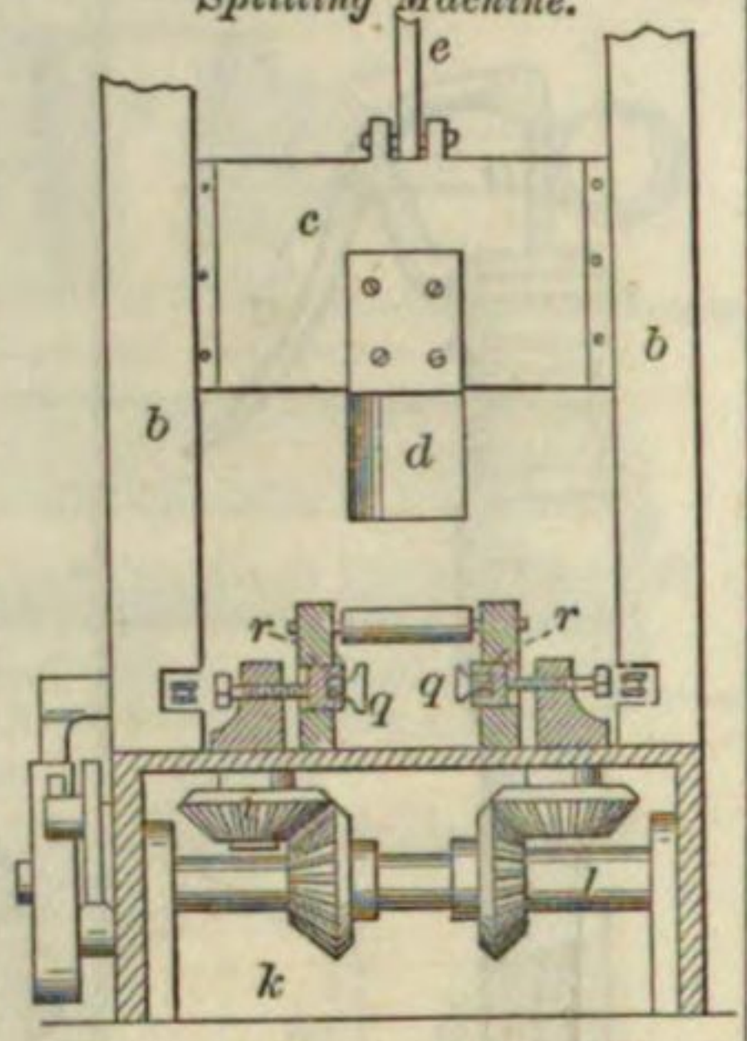
52351—W. N. Whiteley, Jr.—*Harvester.*



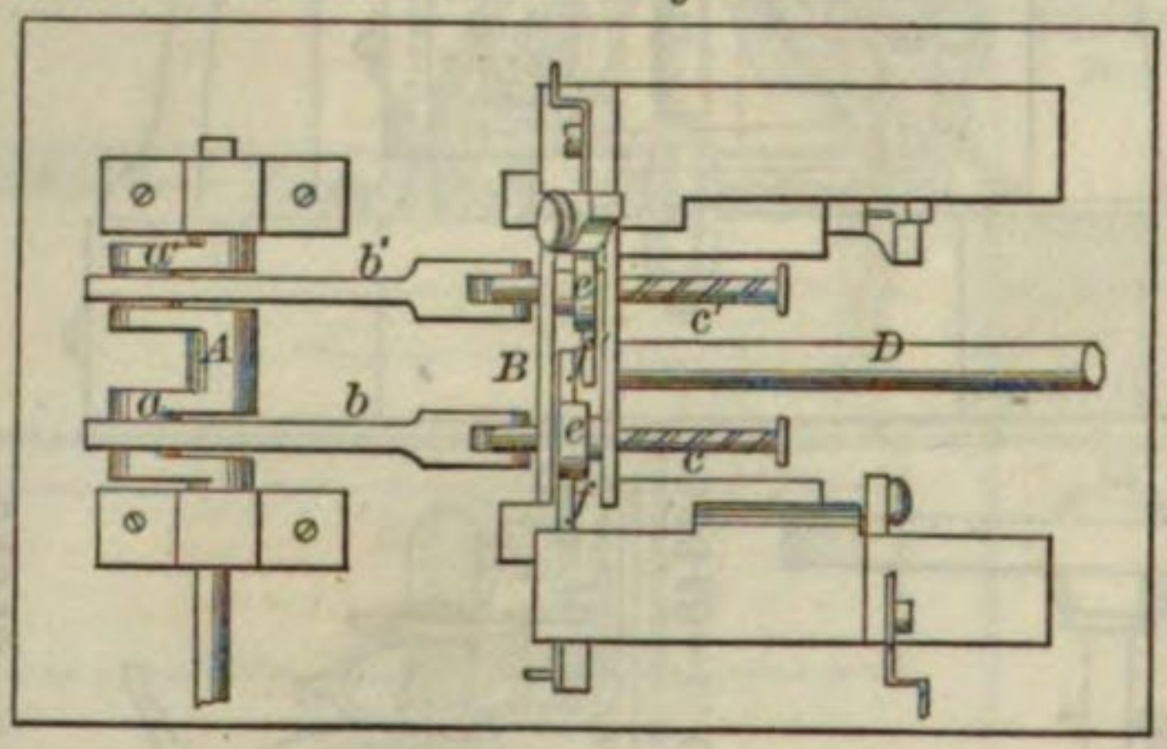
52350—W. N. Whiteley, Jr.—*Harvester.*

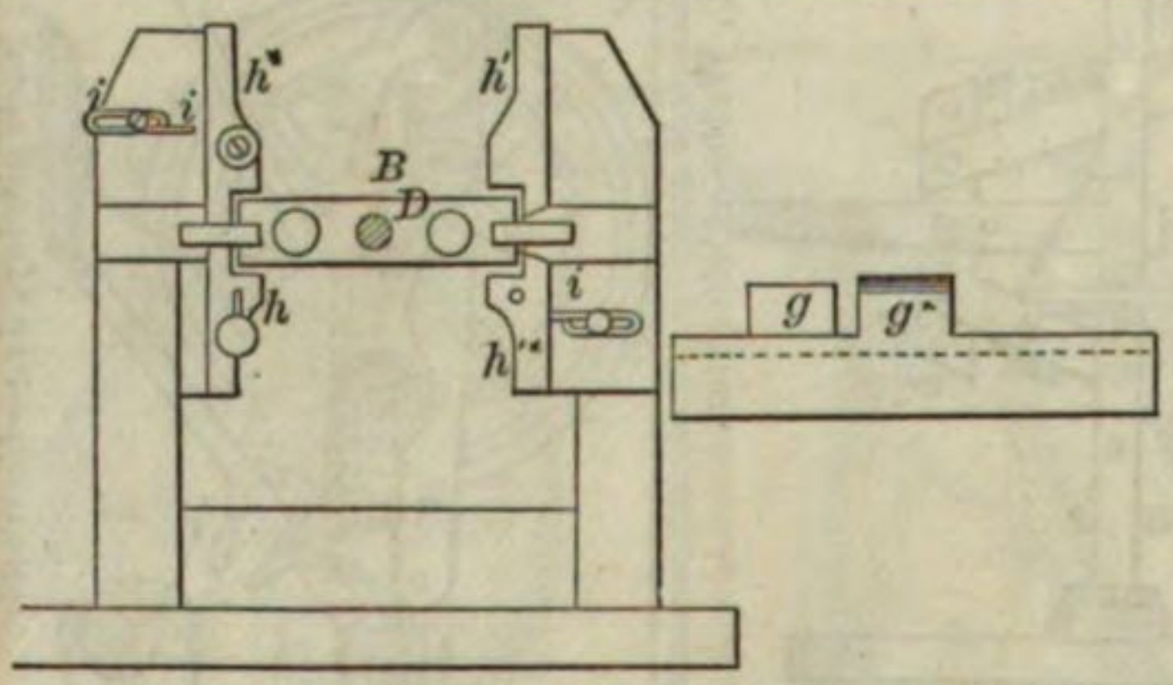


52352—W. L. Williams—*Wood Splitting Machine.*

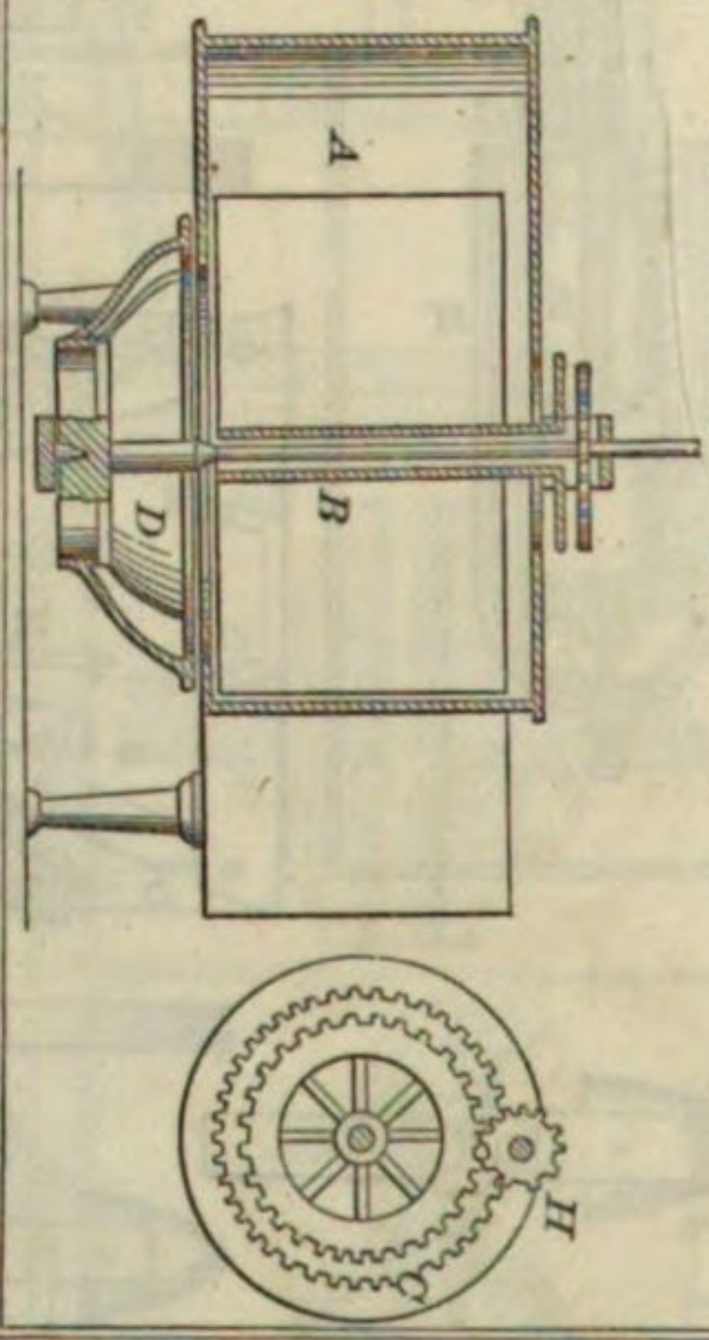


52354—F. Yeiser—*Transmitting Motion.*



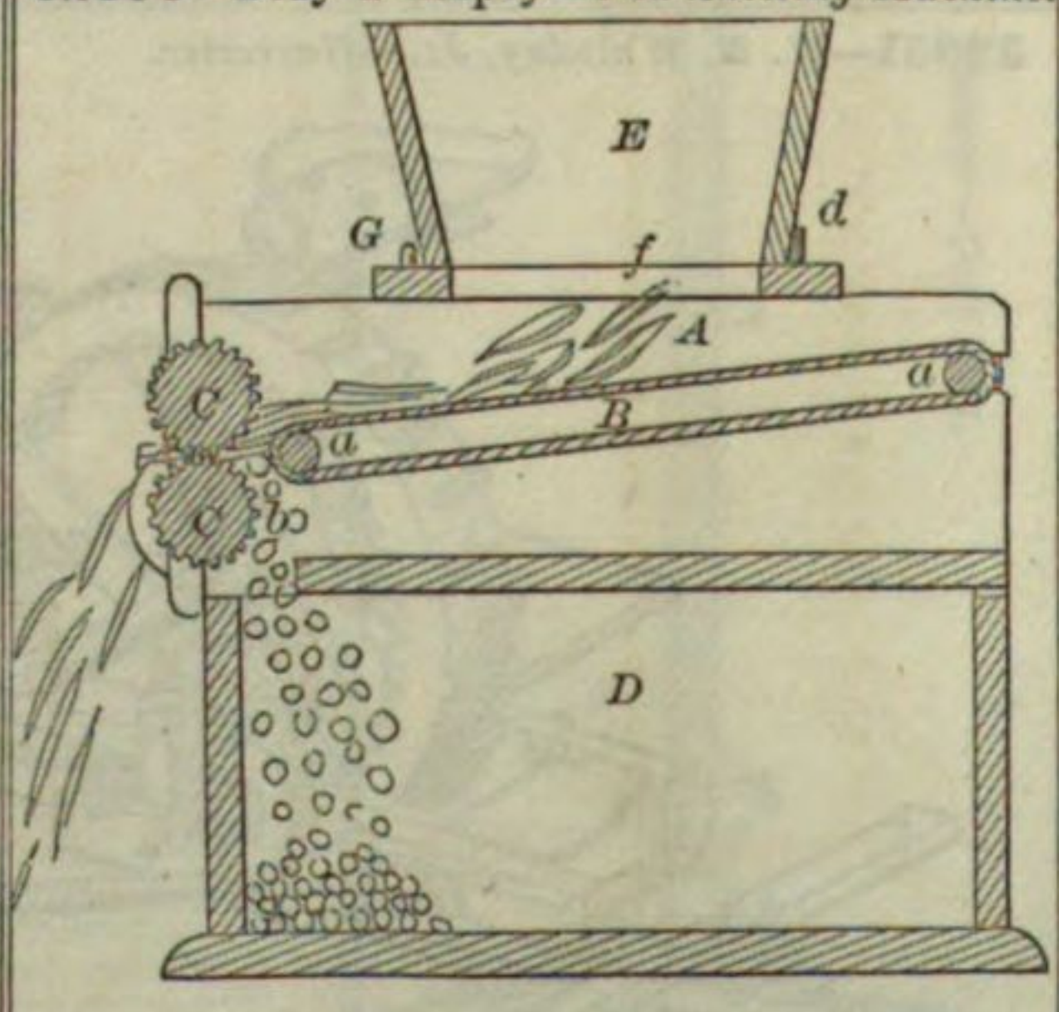


52353—L. D. Wynkoop—*Water Wheel.*

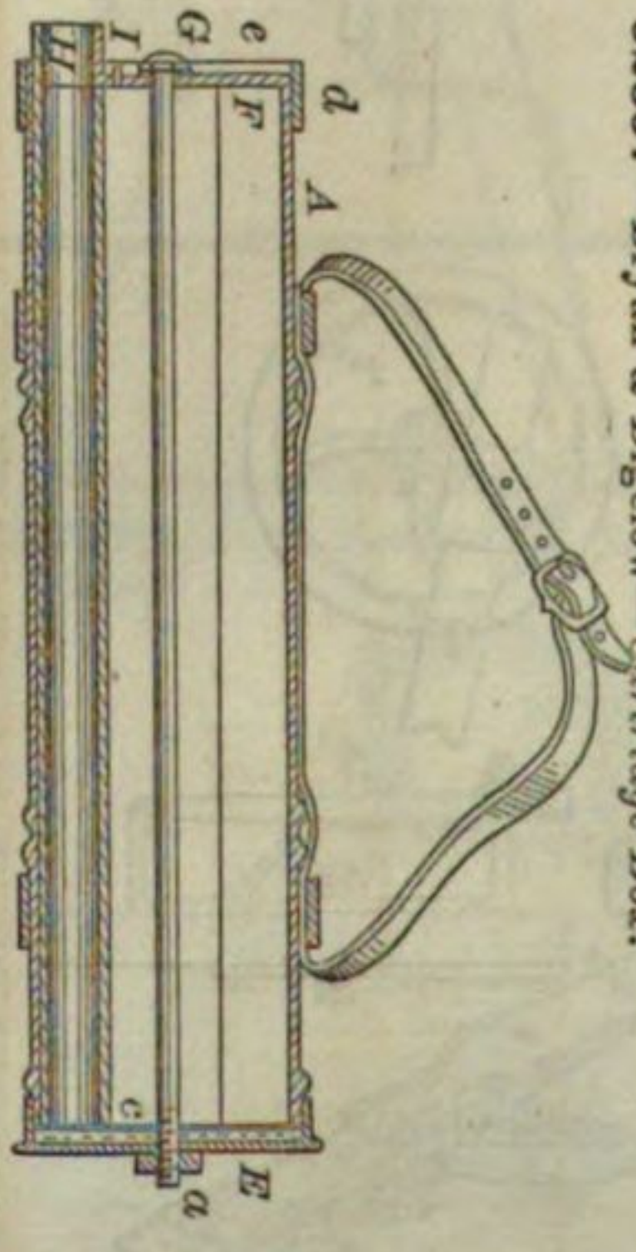


52355—R. N. Allen—*Piston Rods for Deep Wells.*

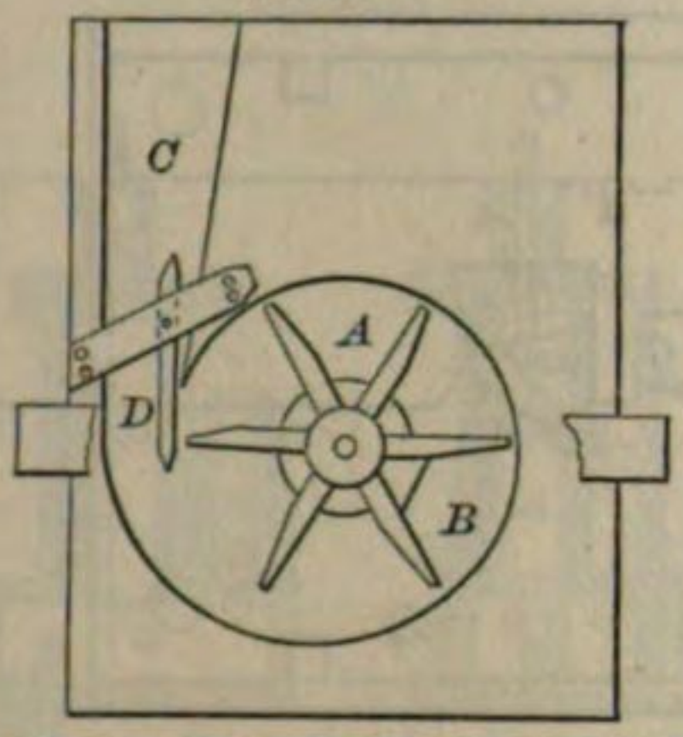
52356—Bray & Talpey—*Pea Shelling Machine.*



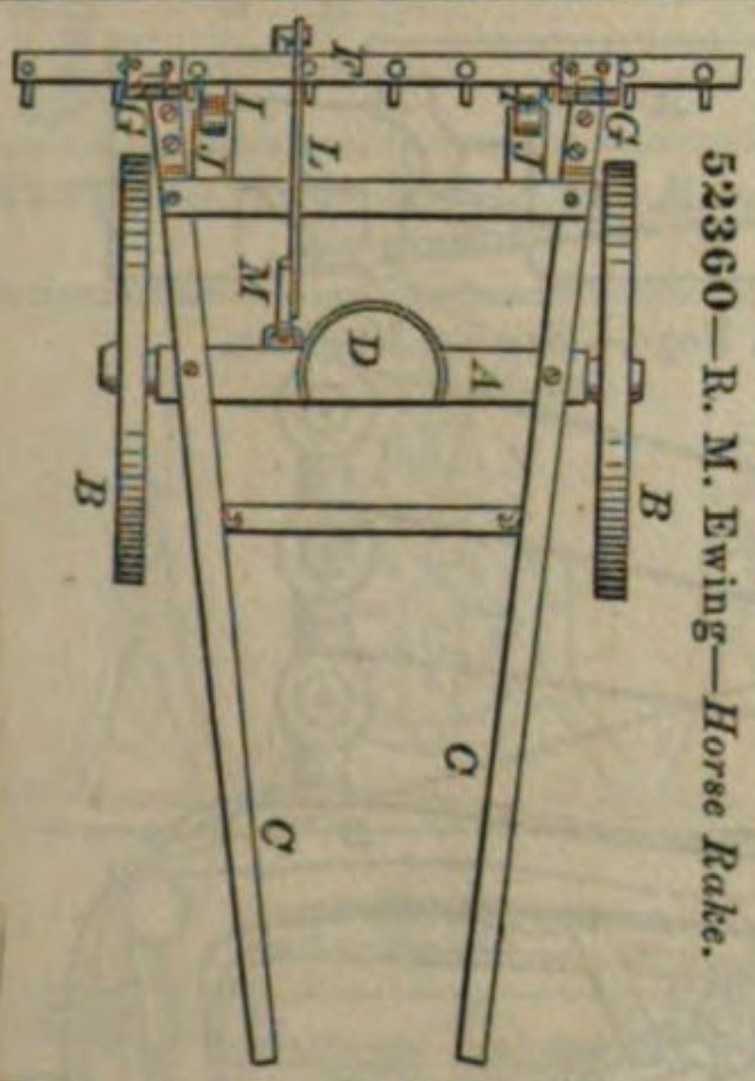
52357—Bryan & Bigelow—*Cartridge Box.*



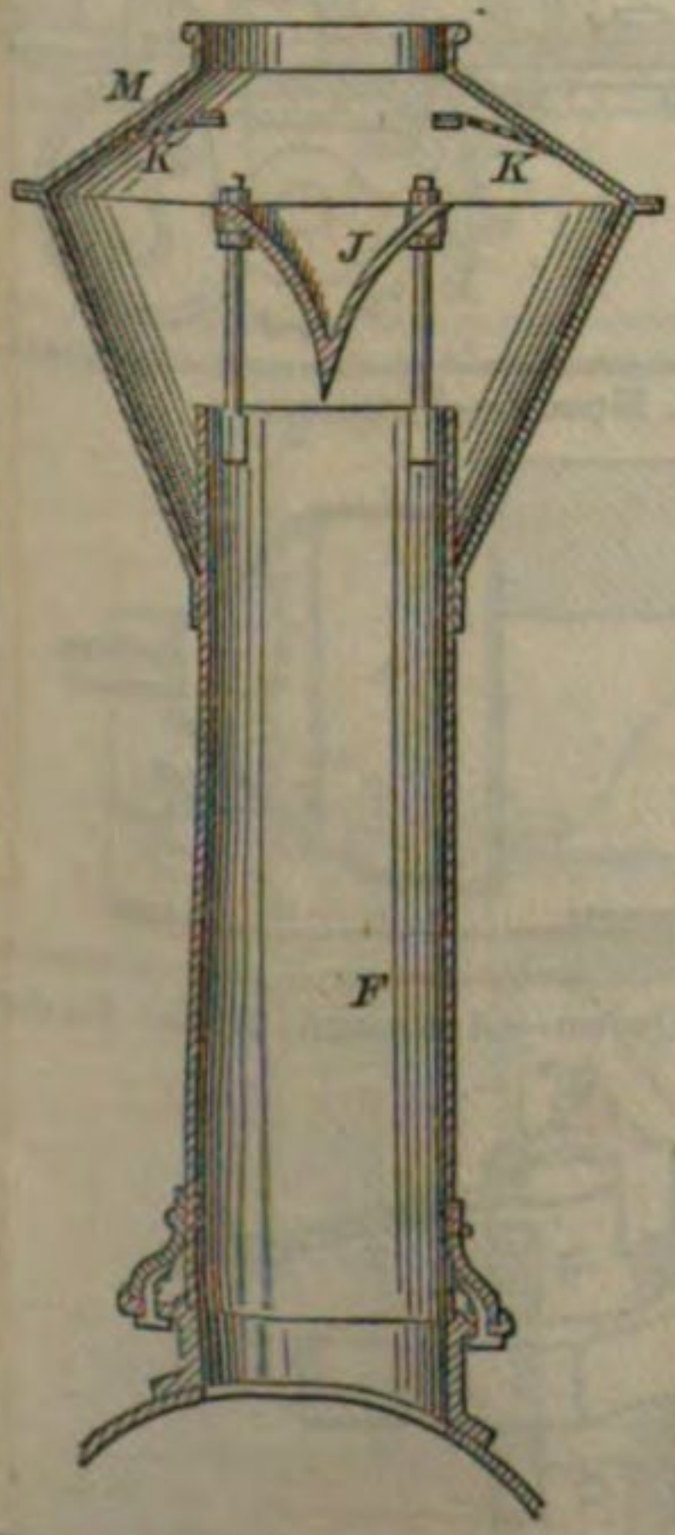
52358—W. R. Close—*Water Wheel.*



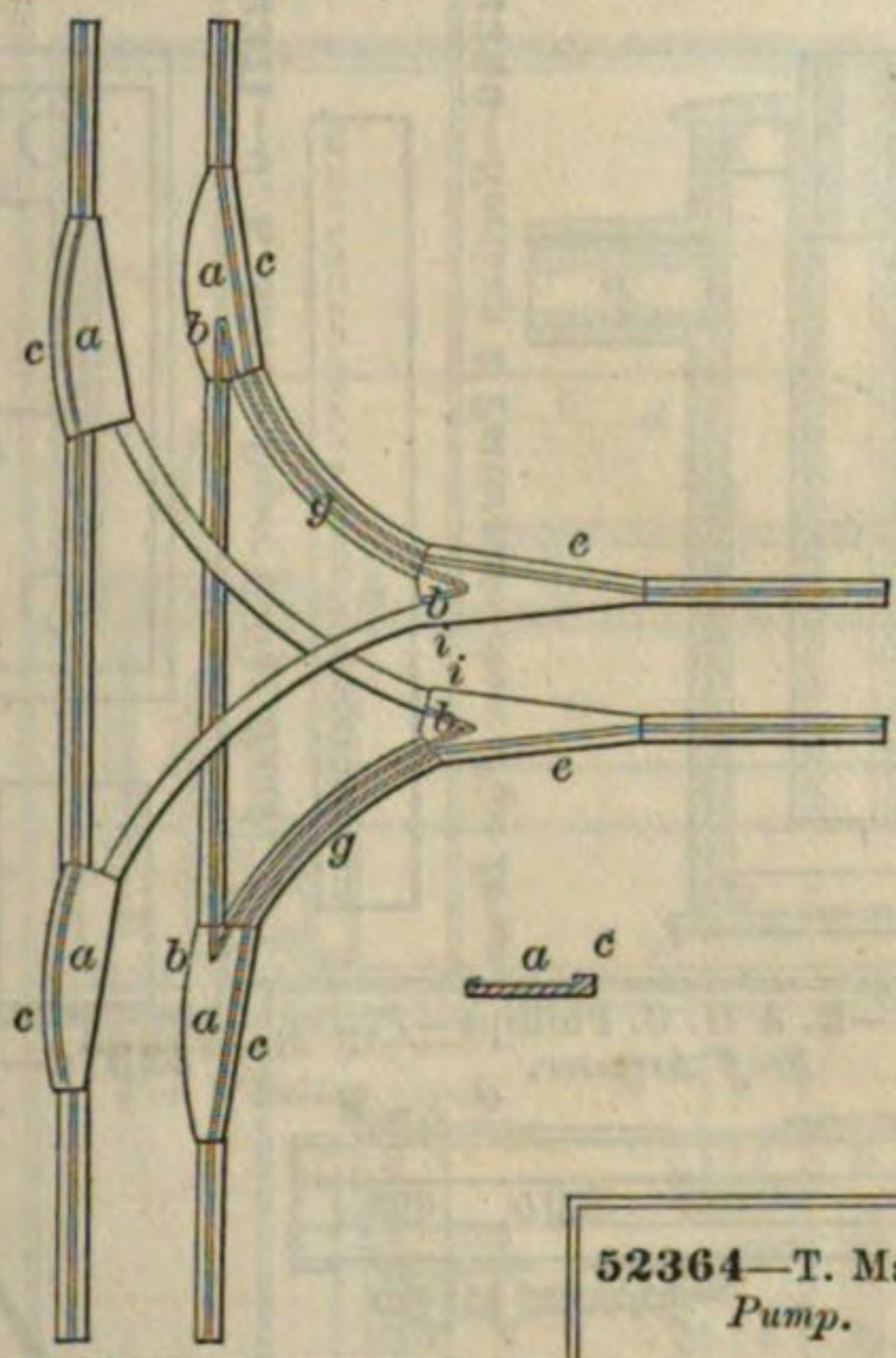
52360—R. M. Ewing—*Horse Rake.*



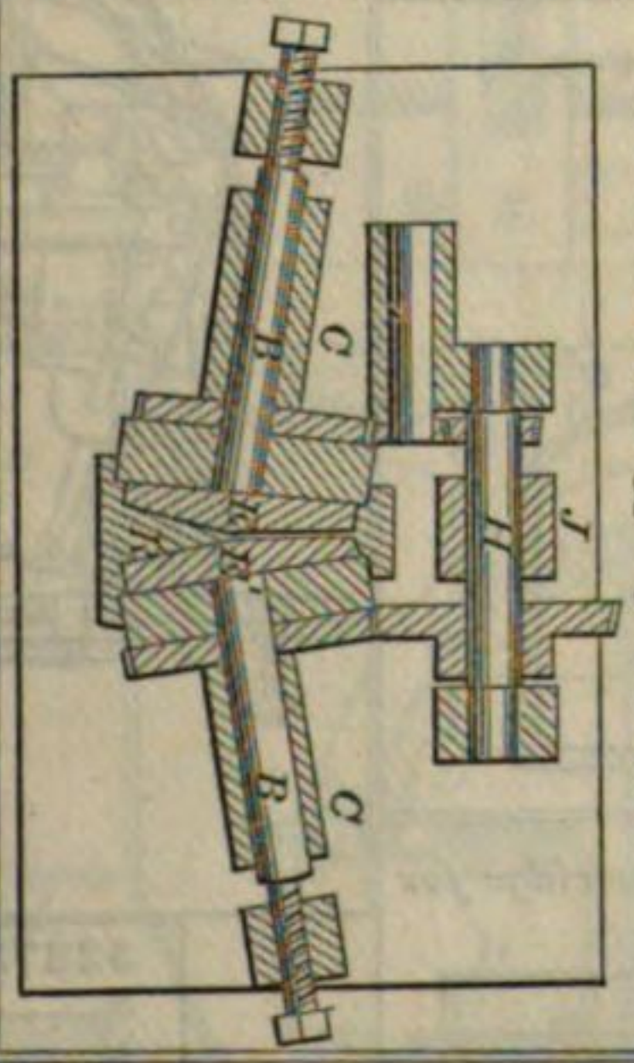
52362—C. F. Jauriet—*Spark Arrester.*



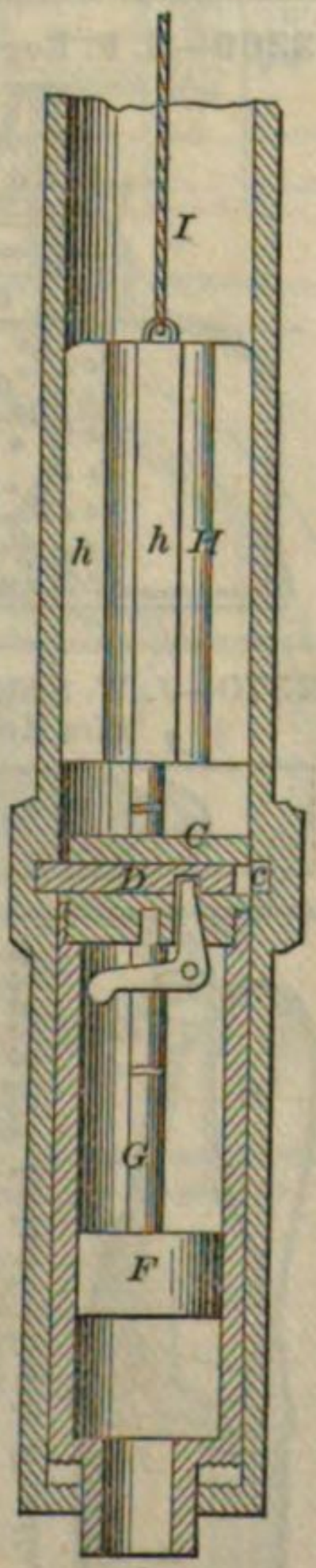
52361—R. Harper—*Railroad Turnout.*



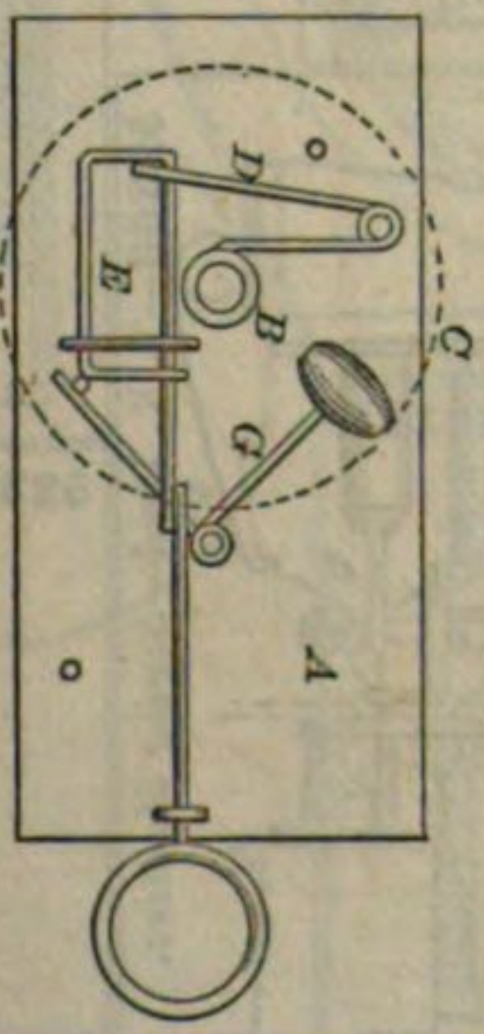
52363—H. Kellogg—*Quartz Mill.*



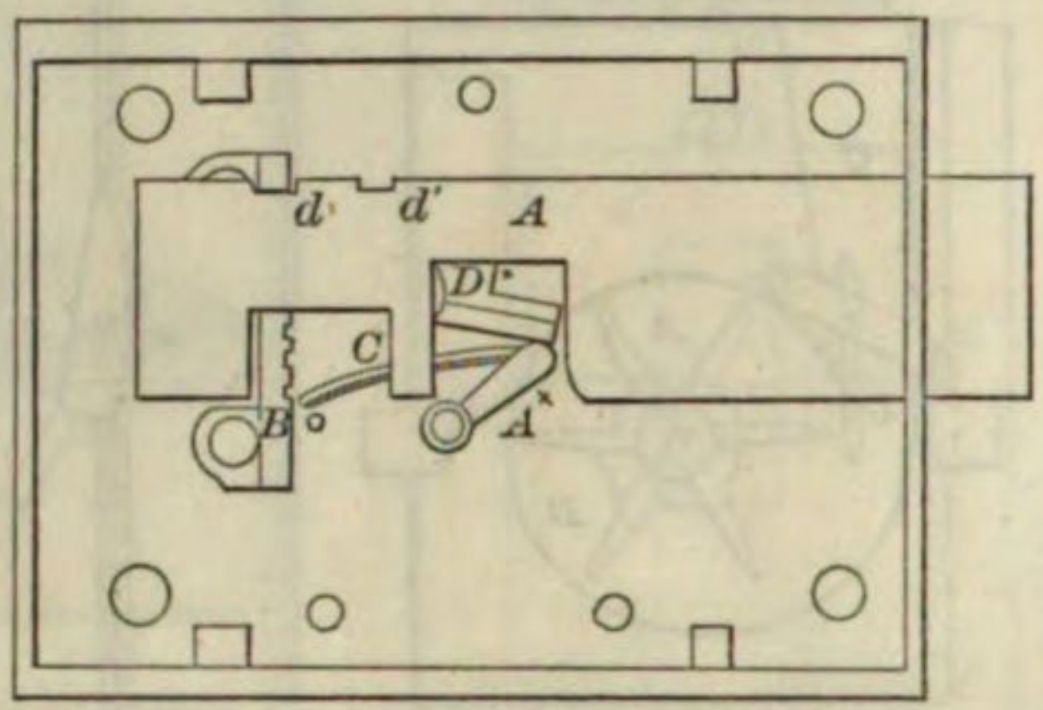
52364—T. Mayhew—*Pump.*

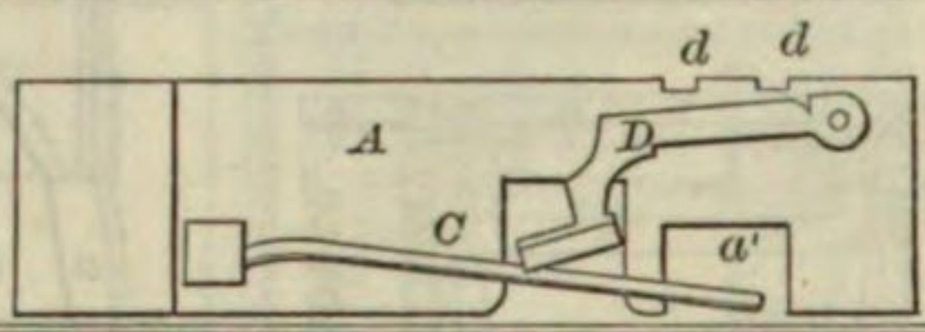


52365—W. H. Nichols—*Door Bell.*

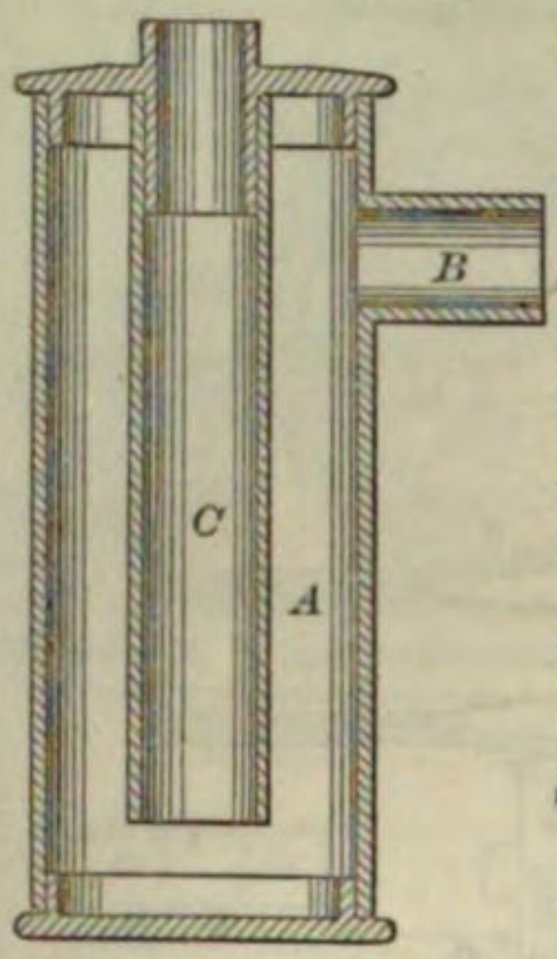


52372—H. Allman—*Lock.*

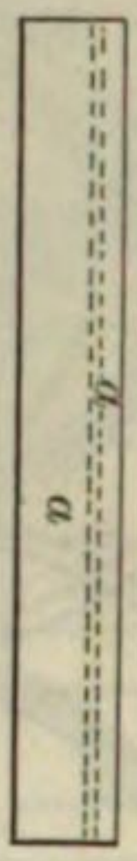




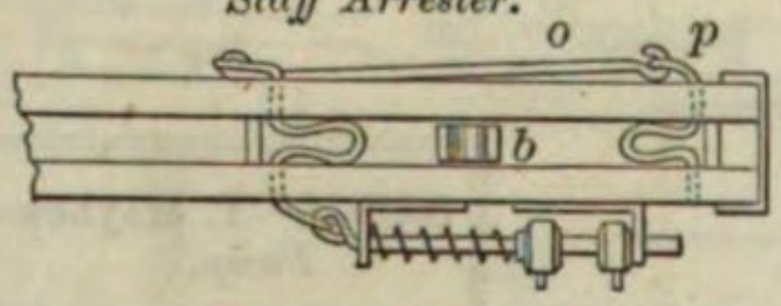
52366—Northup & Patterson—*Stove Pipe Drum.*



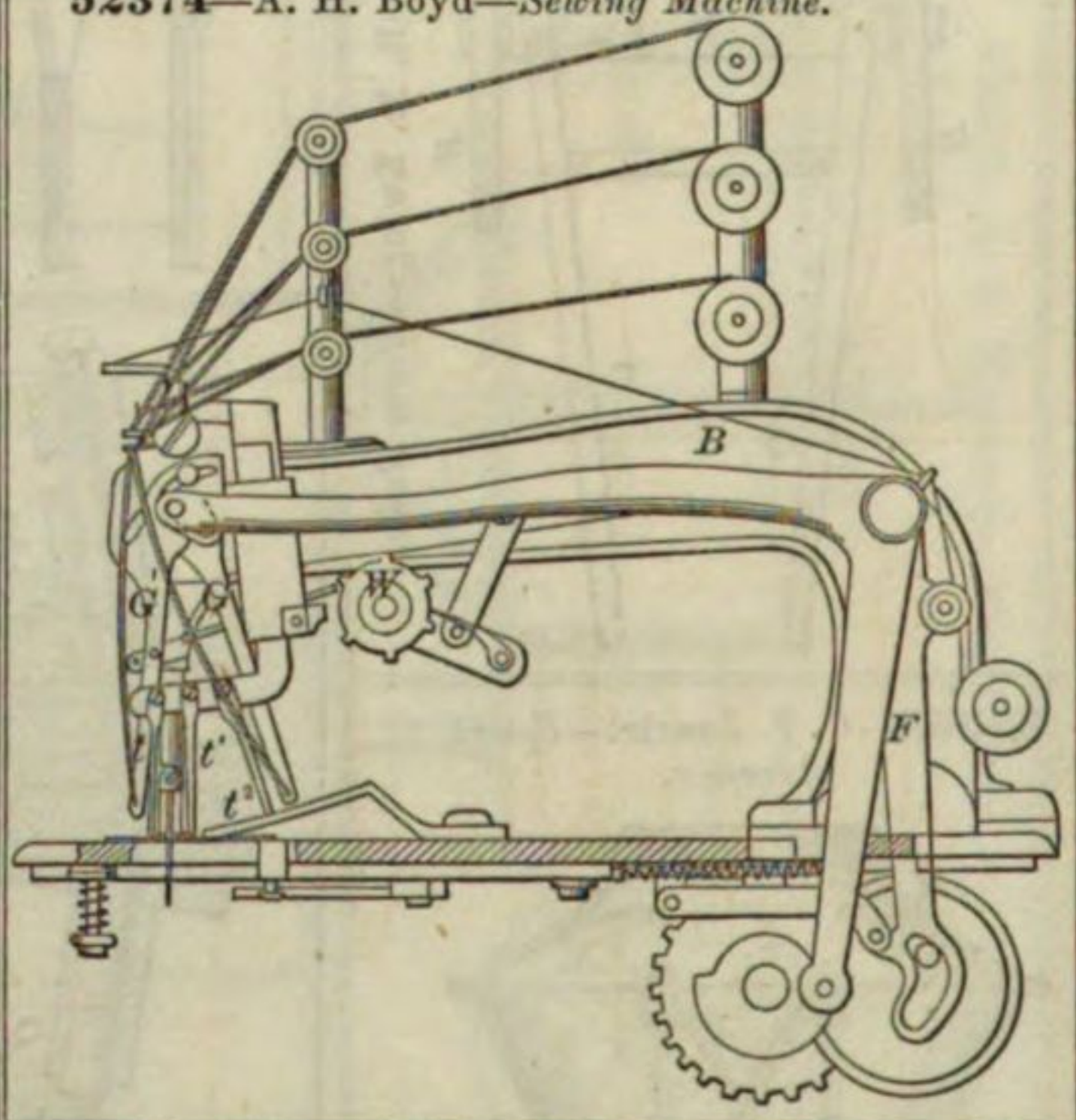
52371—G. K. Snow—*Paper Collar Band.*



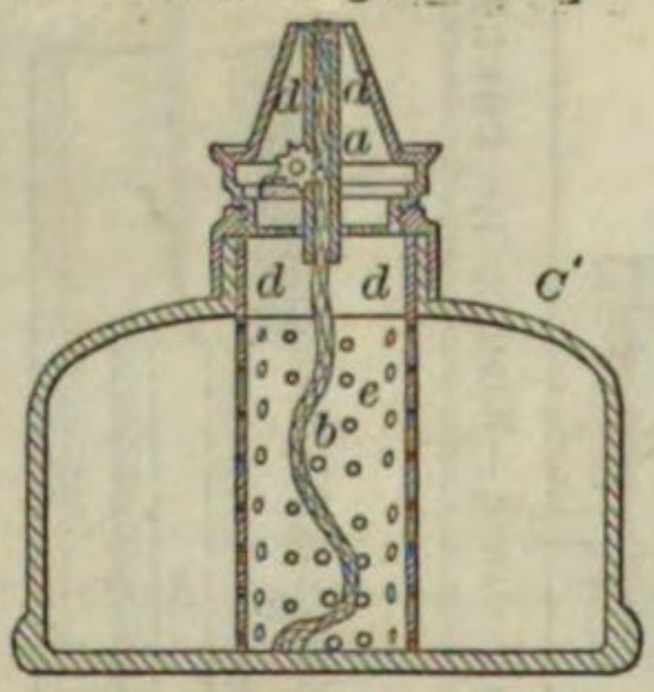
52367—E. & H. C. Phillips—*Picker Staff Arrester.*



52374—A. H. Boyd—*Sewing Machine.*

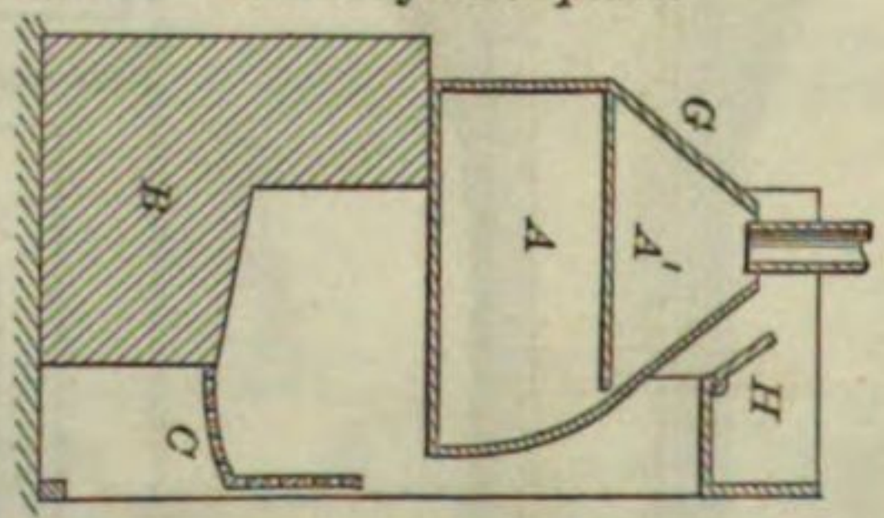


52369—E. F. Rogers—*Lamp.*

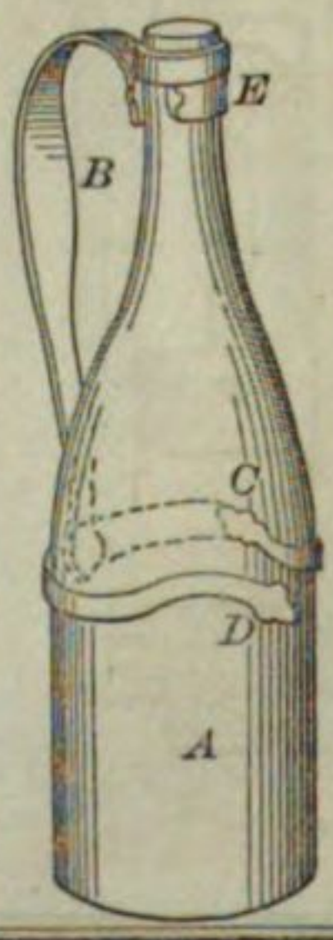


52370—J. W. Smith—*Cartridge for Fire Arms.*

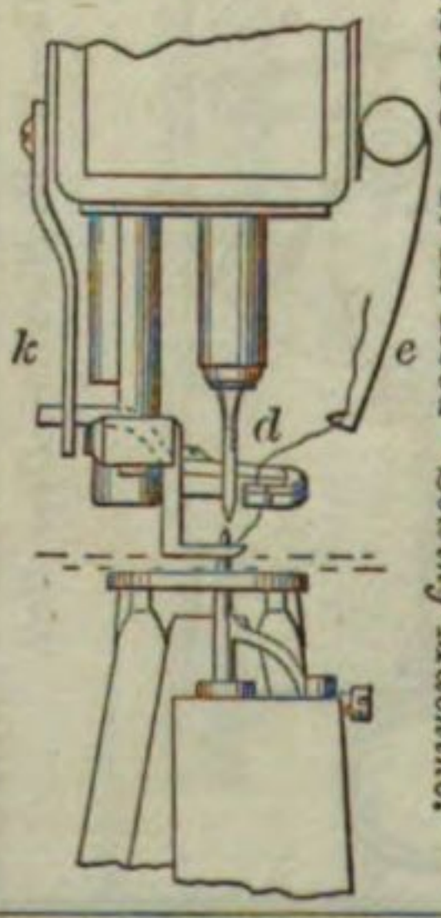
52375—G. Moody—*Fireplace.*



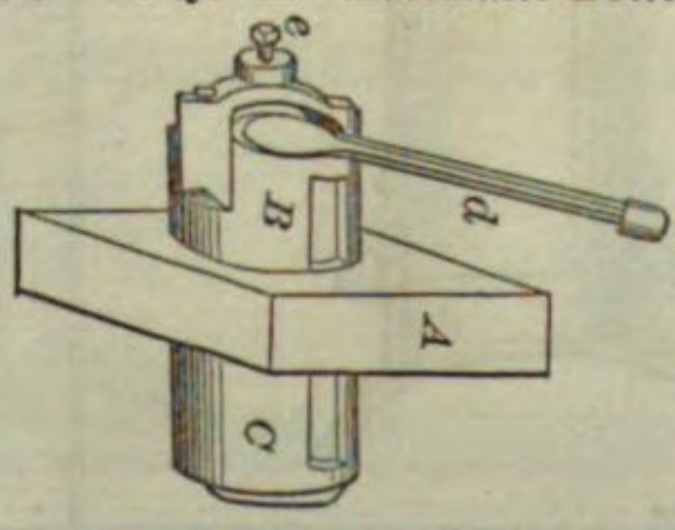
52373—G. Ireland—*Bottle Handle.*



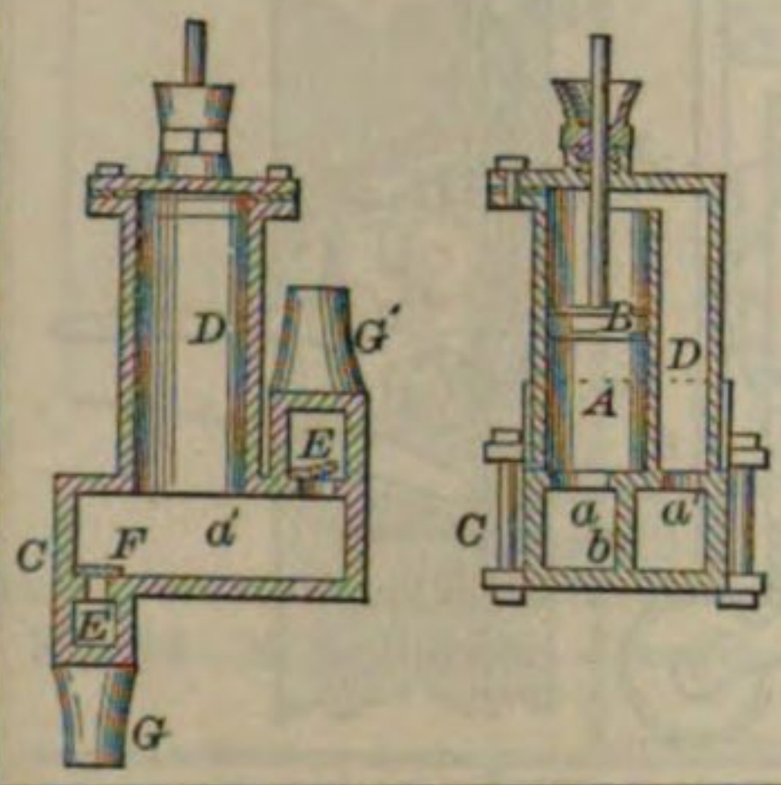
52368—T. K. Reed—*Sewing Machine.*



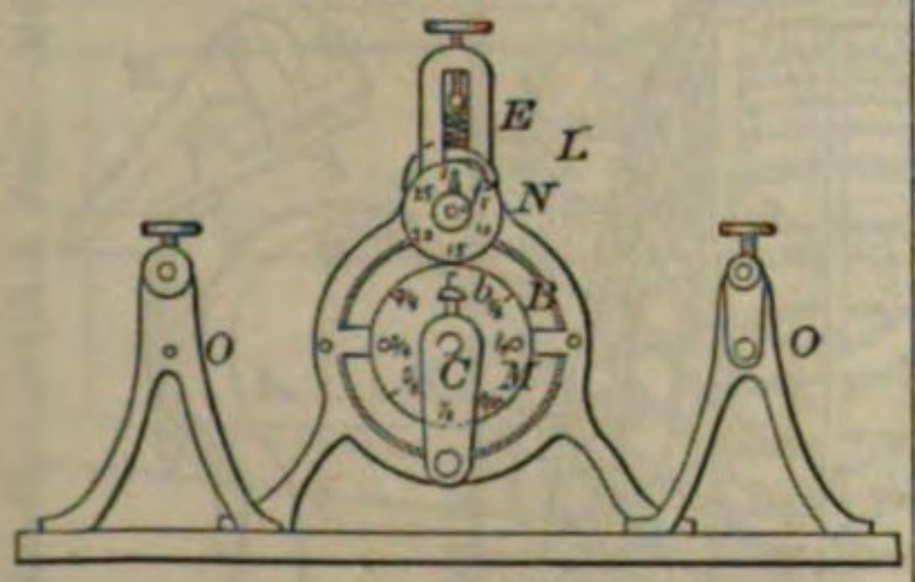
52376—E. Quinn—*Automatic Boiler Feeder.*



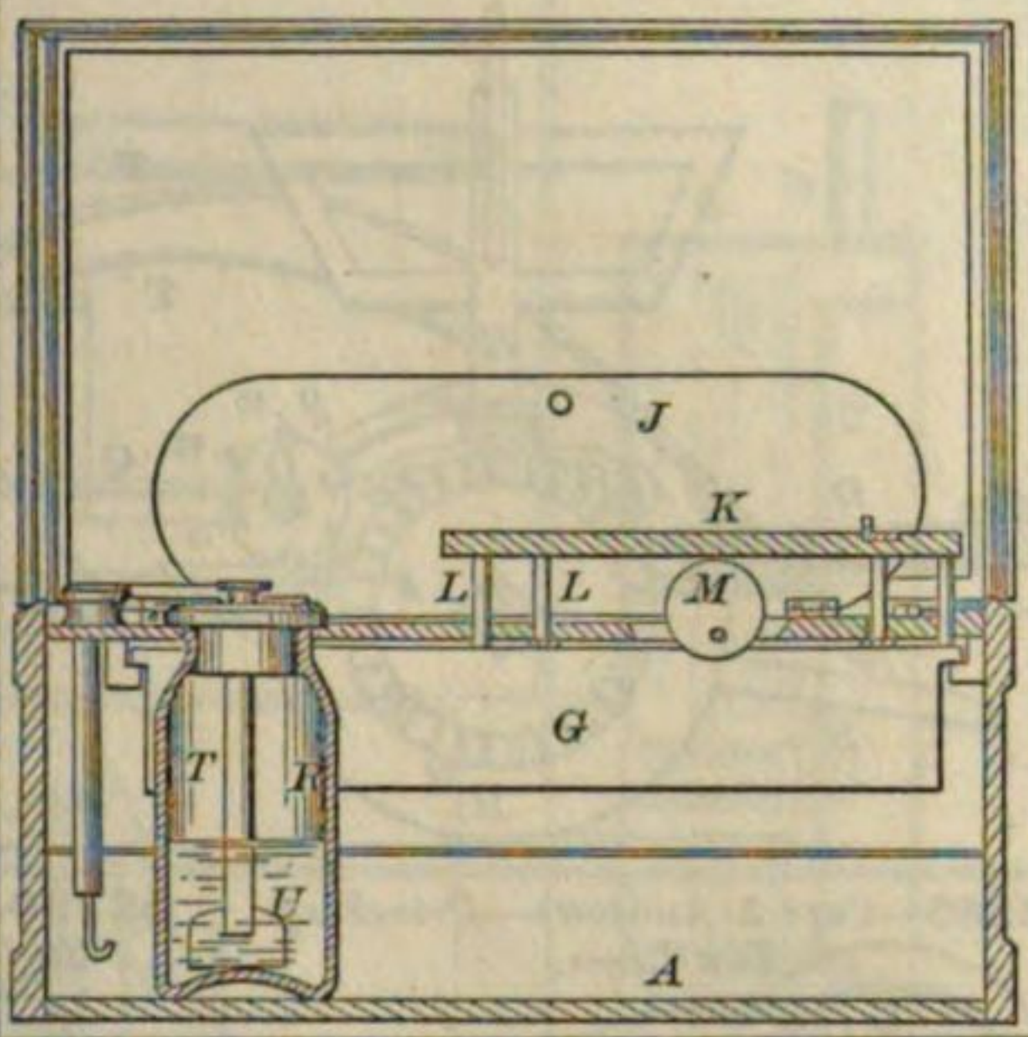
52377—W. A. Barnes—*Pump.*



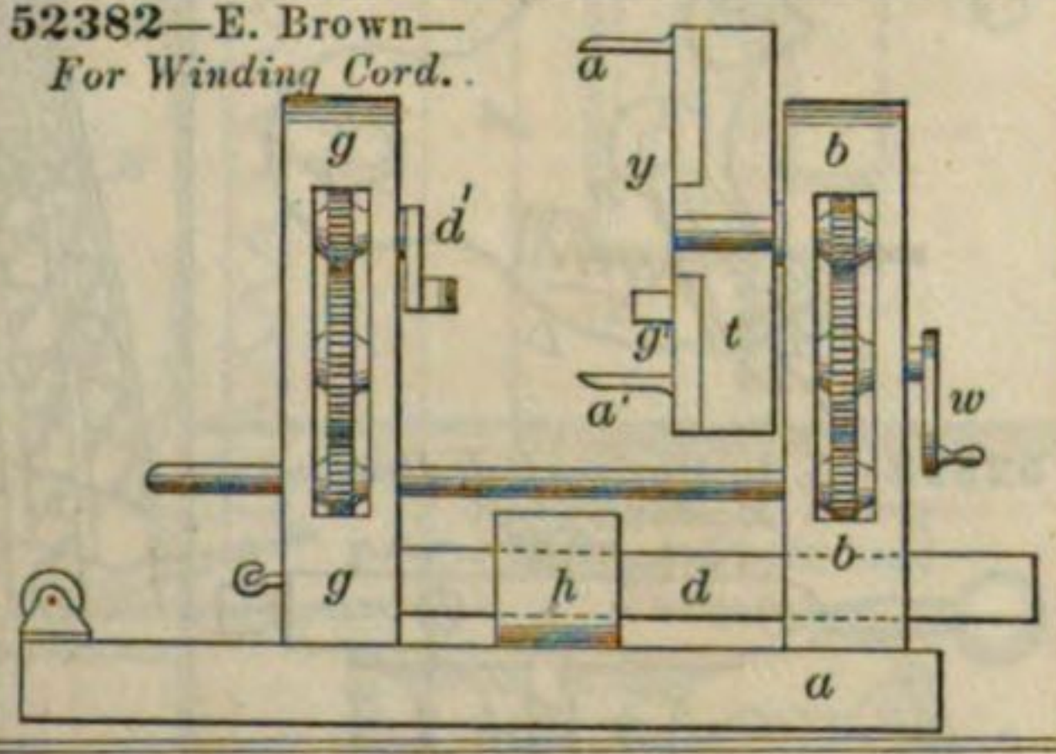
52378—J. I. Benham—*Cloth Measuring Machine.*



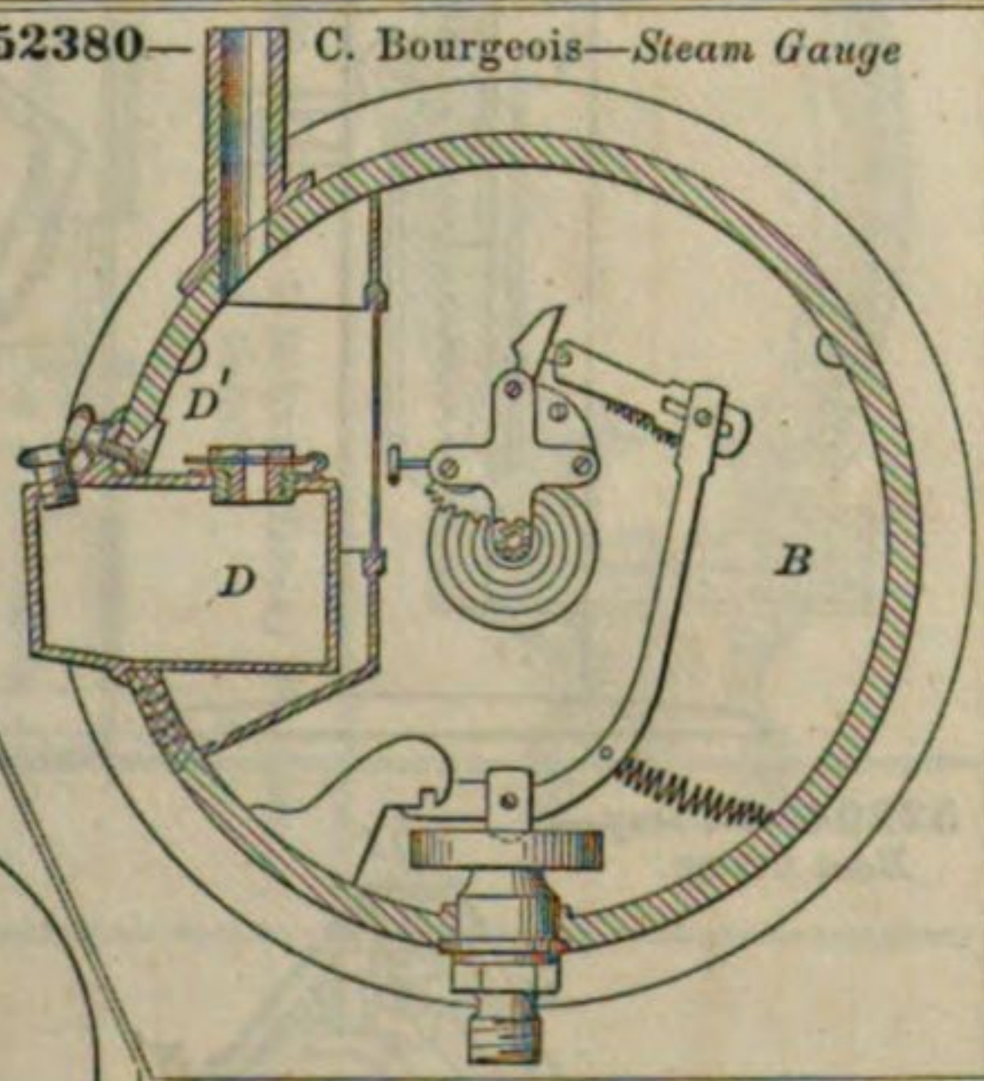
52381—D. B. Boynton—*Boot Blacking Ottoman.*



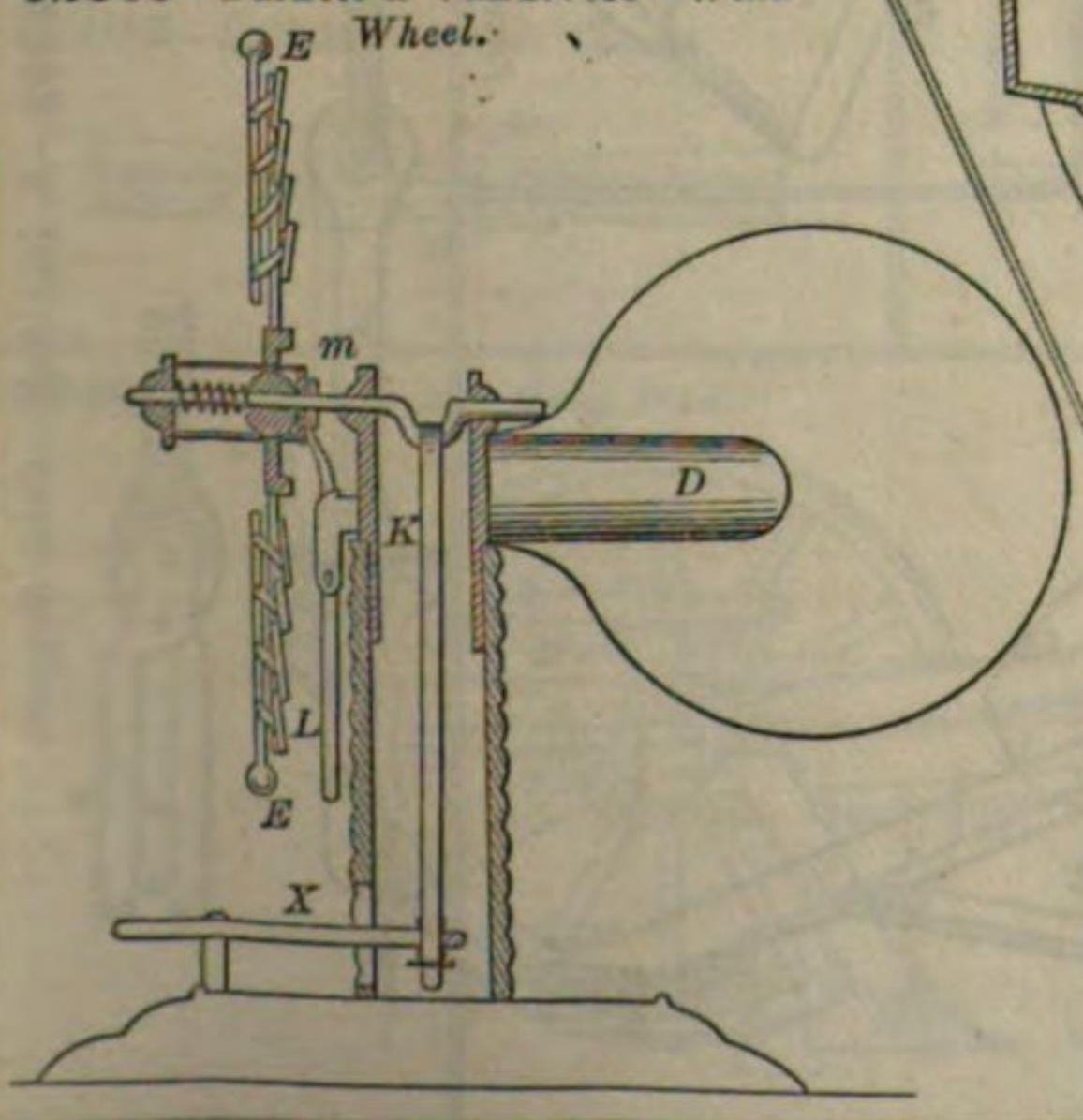
52382—E. Brown—*For Winding Cord.*



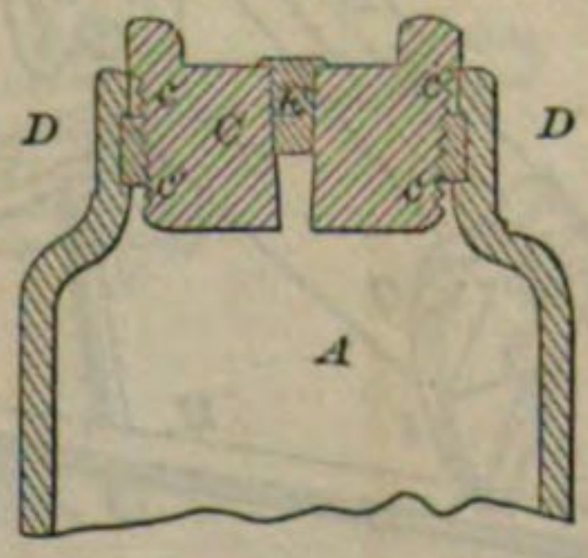
52380—C. Bourgeois—*Steam Gauge*



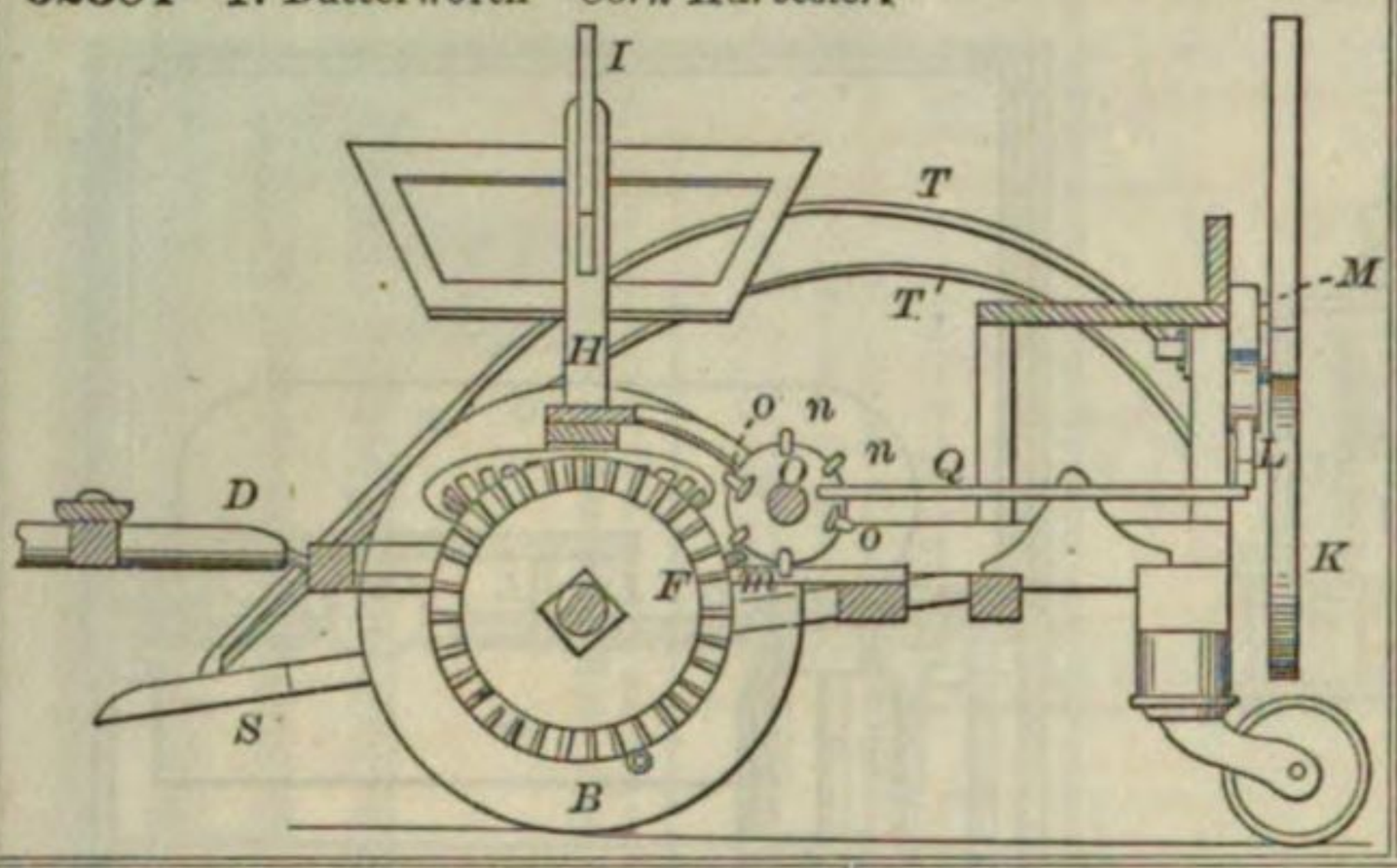
52383—Burnett & Vandevort—*Wind Wheel.*



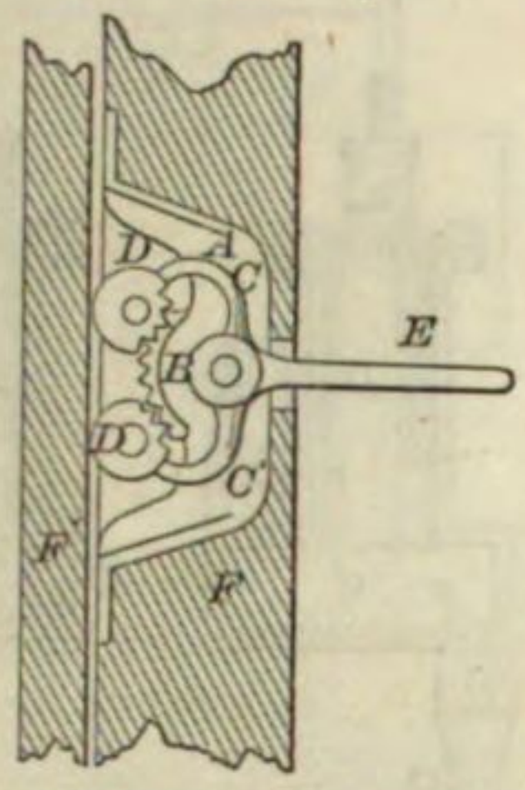
52379—E. Bennett—*Fruit Jar.*



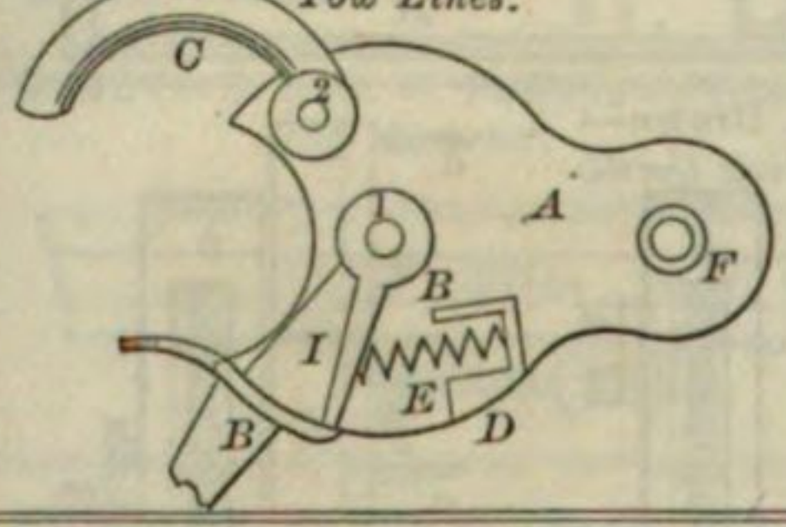
52384—T. Butterworth—*Corn Harvester.*



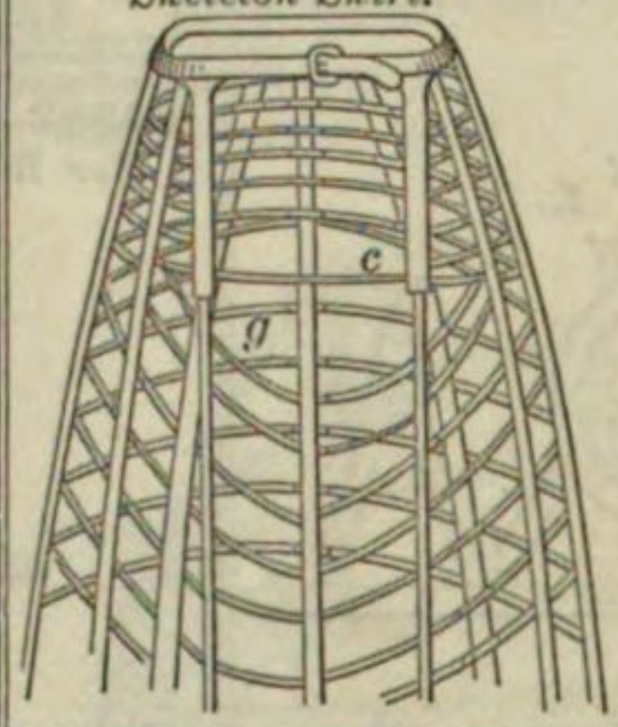
52388—C. B. Clark—*Sash Fastening.*



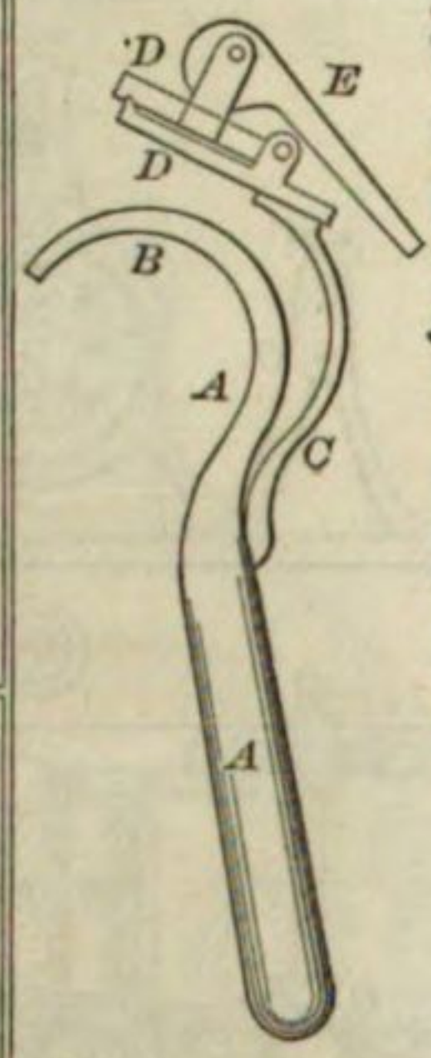
52385—Carr & Andrews—*Detaching Tow Lines.*



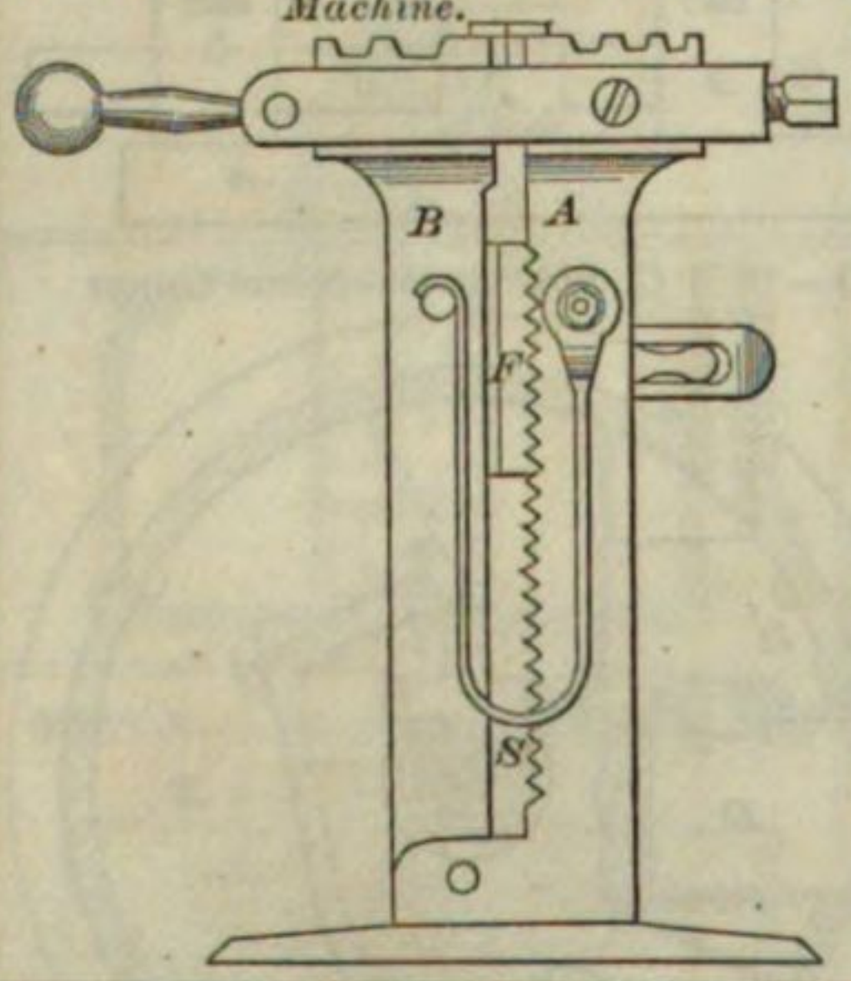
52390—A. J. Colby—*Skeleton Skirt.*



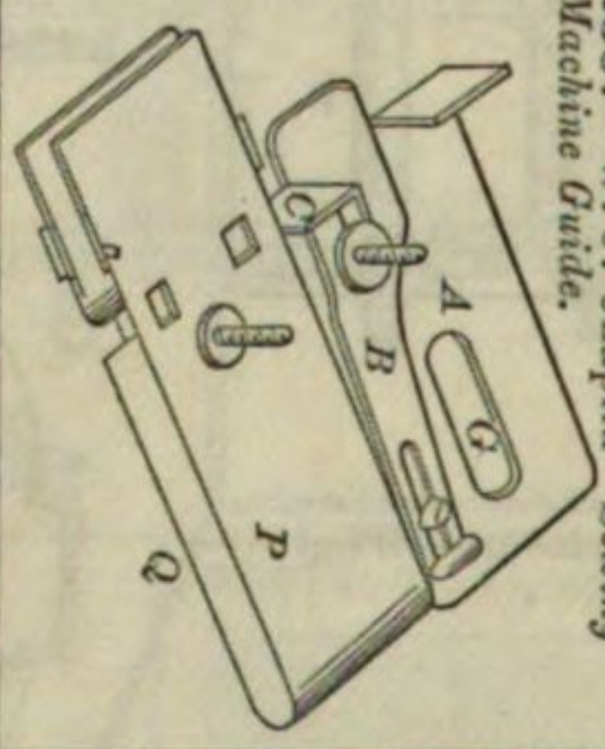
52389—Clark & Slyter—*Shank Lasters.*



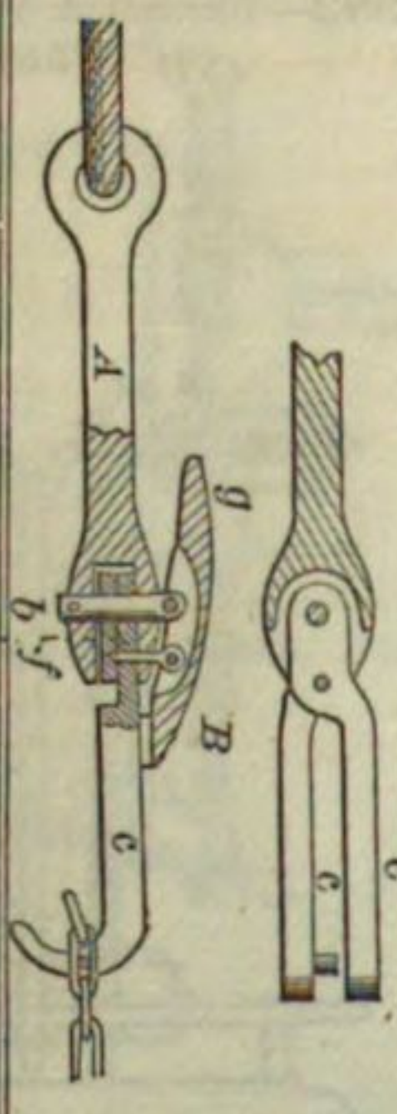
52393—L. L. Davis—*Bolt Heading Machine.*



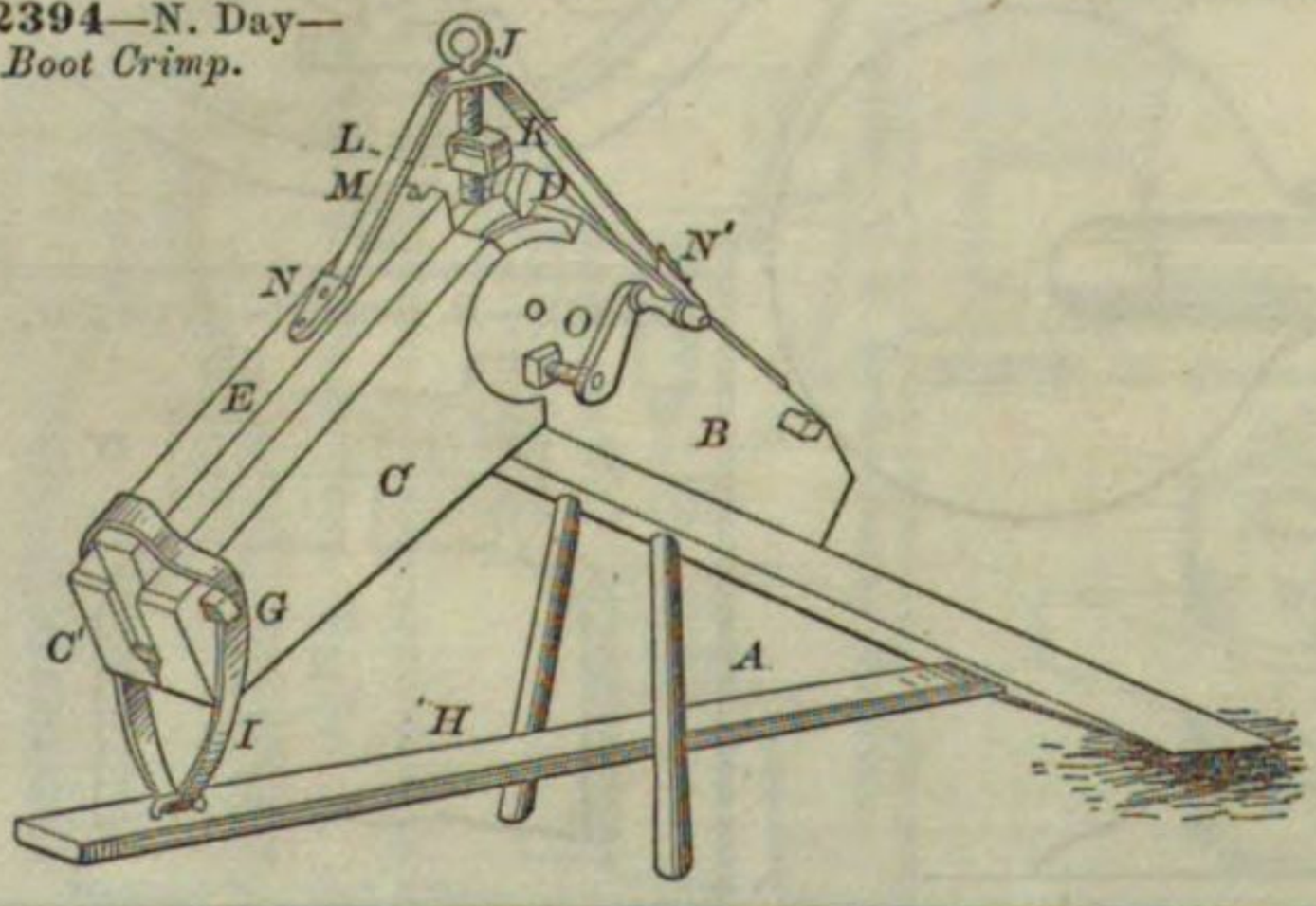
52387—W. J. Chaplin—*Sewing Machine Guide.*



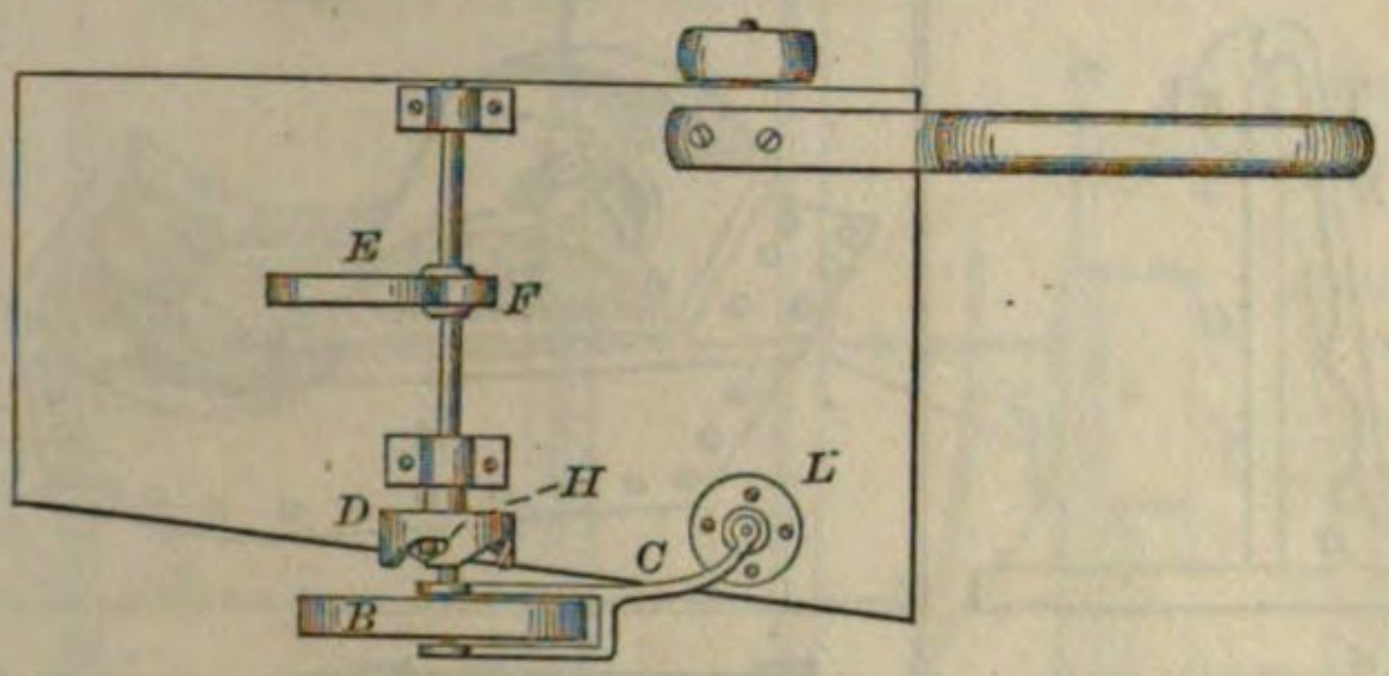
52392—E. Davidson—*Cable Stopper.*



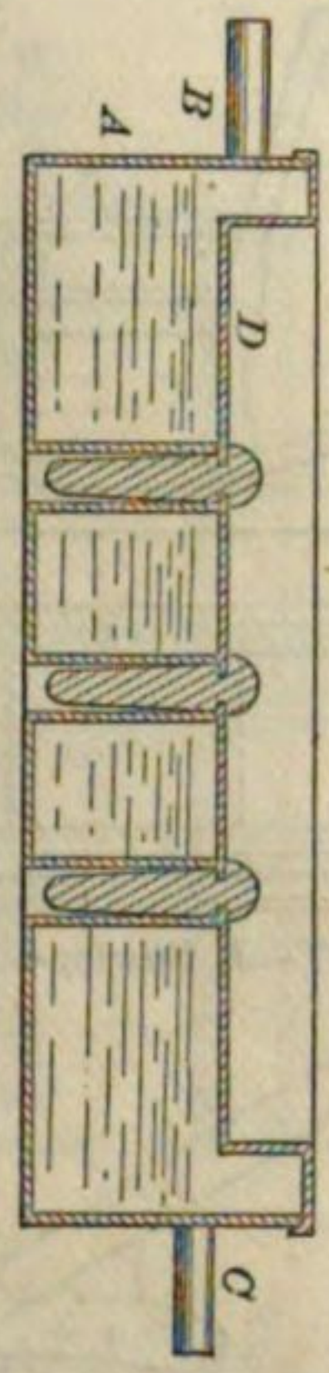
52394—N. Day—*Boot Crimp.*



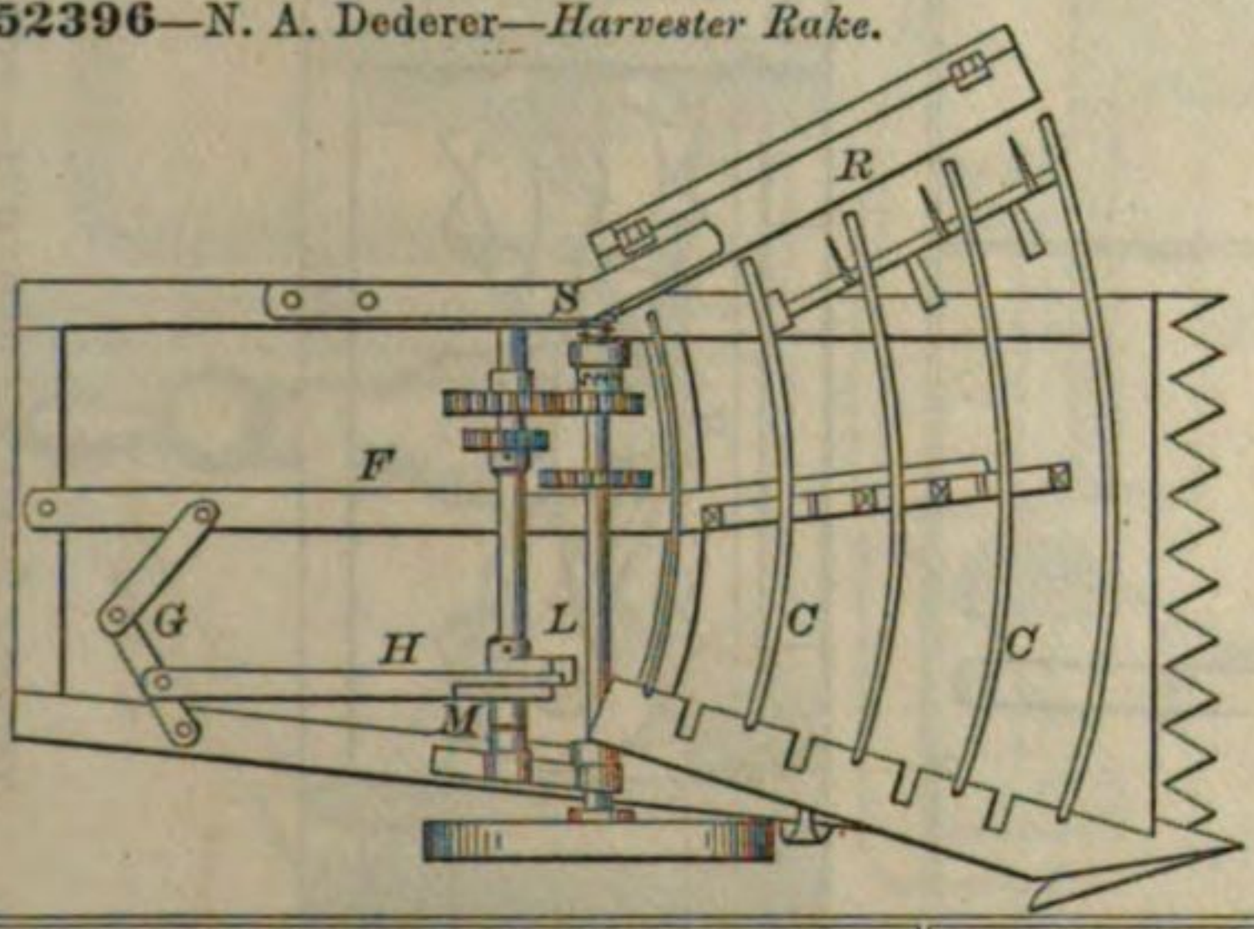
52395—N. A. Dederer—*Harvesting Machine.*



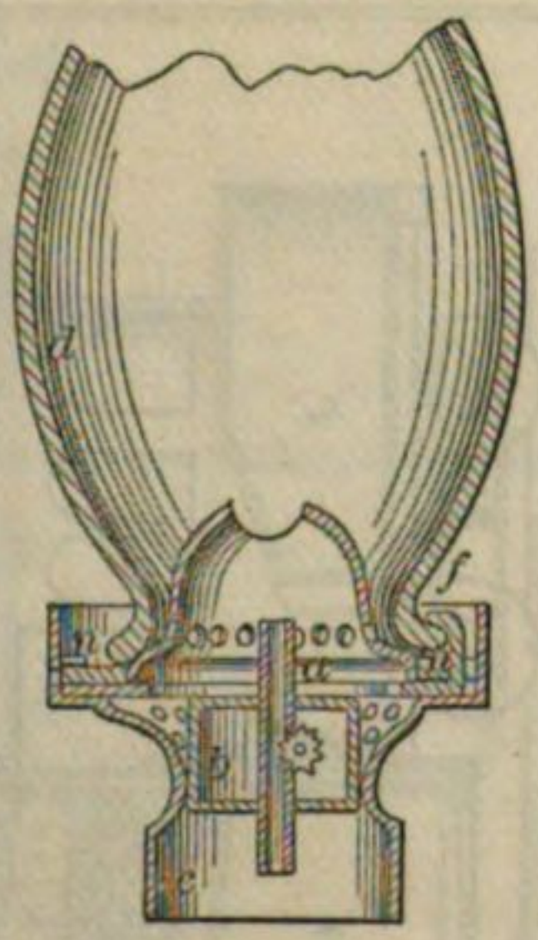
52402—J. H. Elward—*Evaporator.*



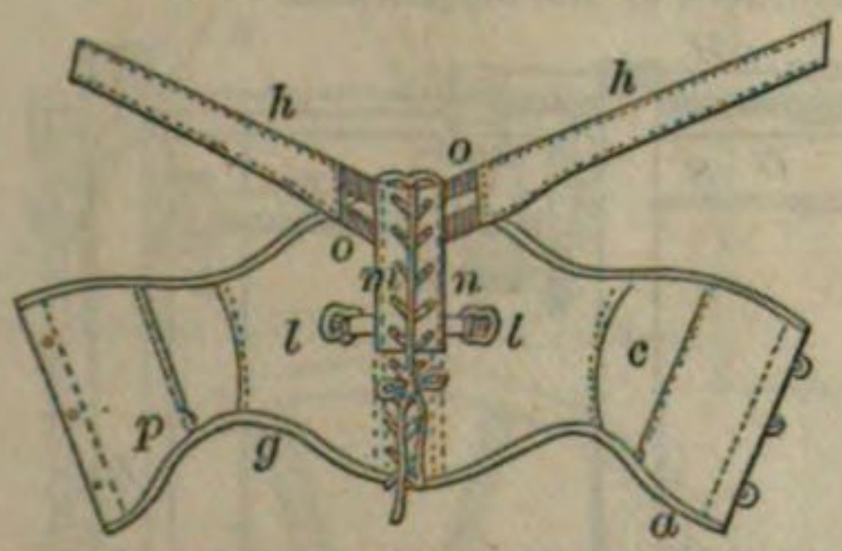
52396—N. A. Dederer—*Harvester Rake.*



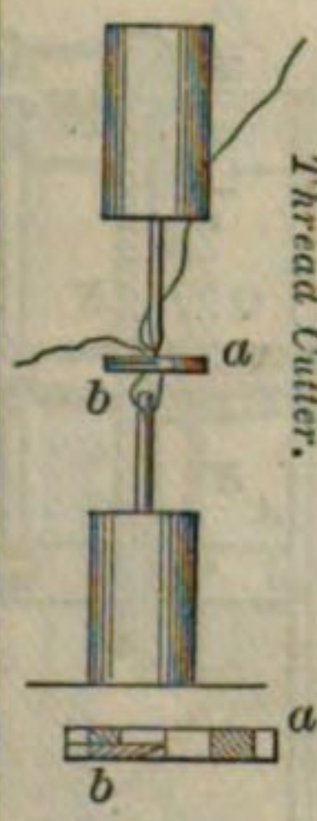
52399—R. H. Dewey—*Chimney Holder and Fastening.*



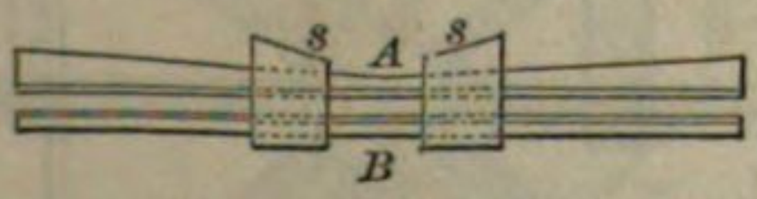
52400—F. Durand—*Shoulder Brace.*



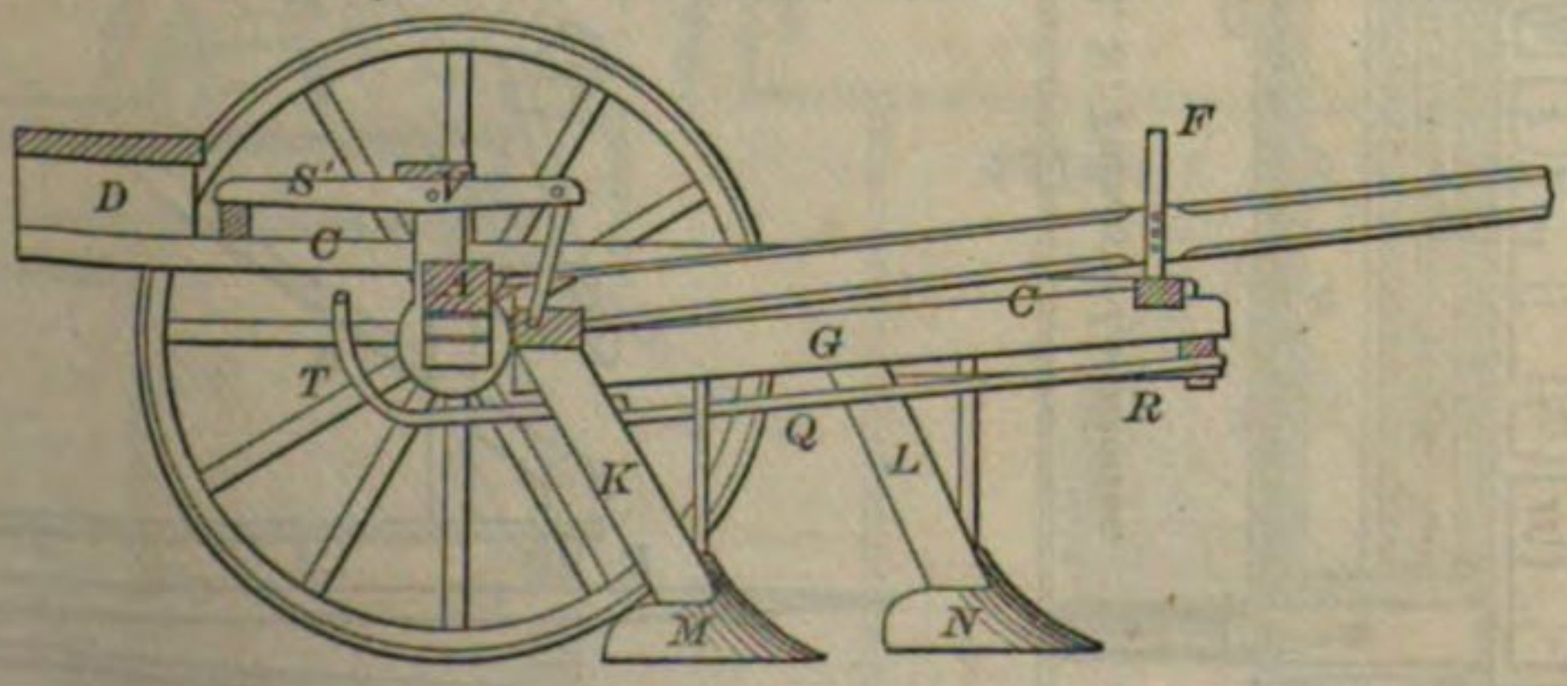
52398—Dennis & Baker—*Sewing Machine Thread Cutter.*



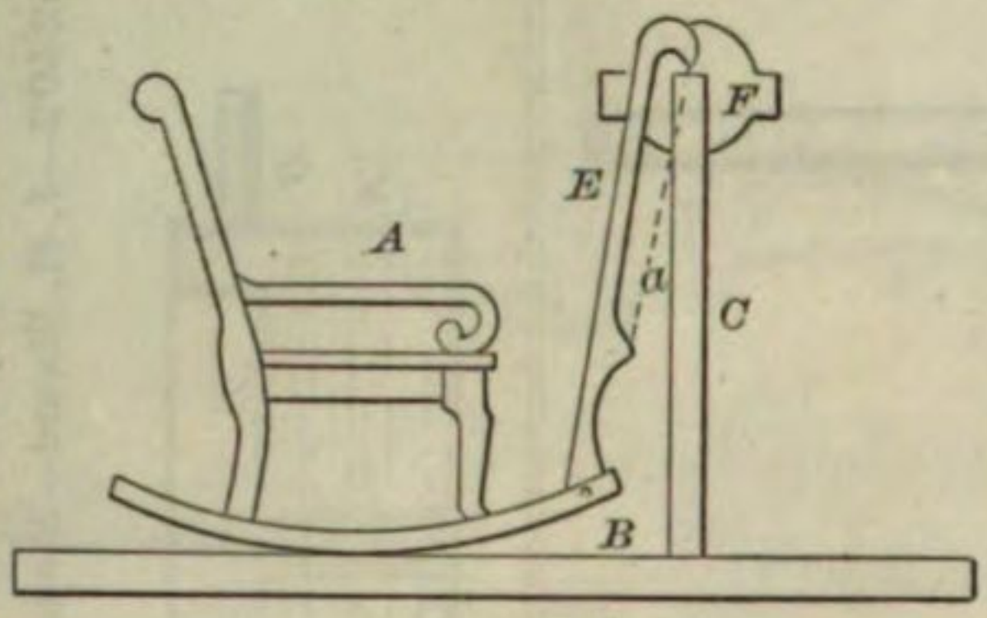
52403—A. Faber—*Paper Clamp.*



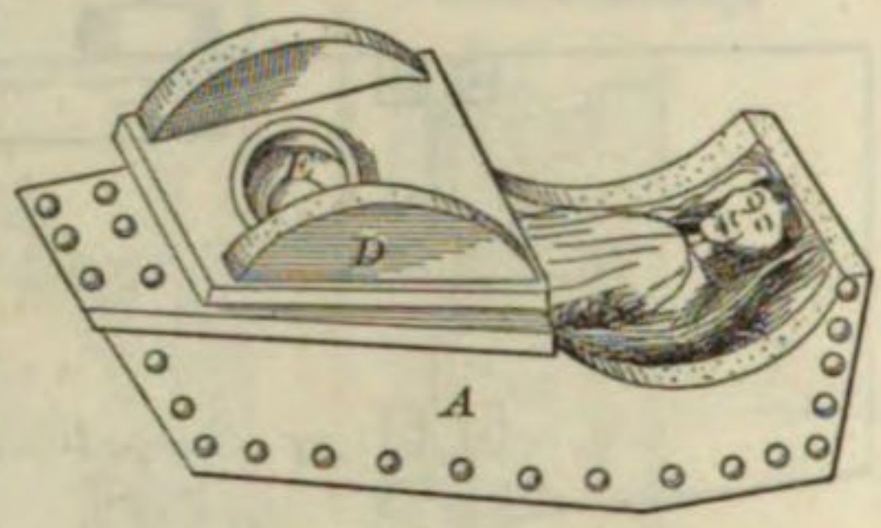
52401—A. P. Durant—*Gang Plow.*



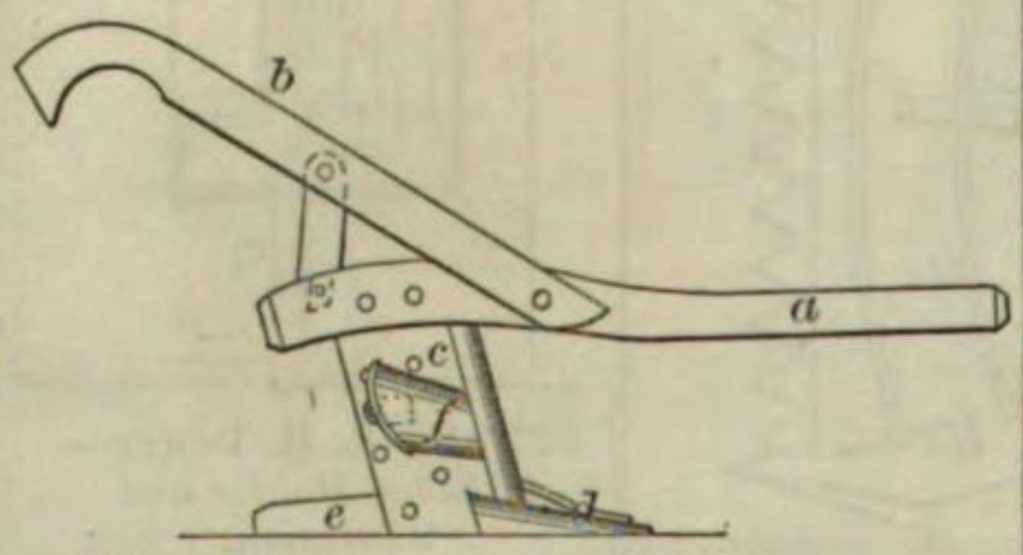
52404—G. Fleig—*Chair and Fan.*



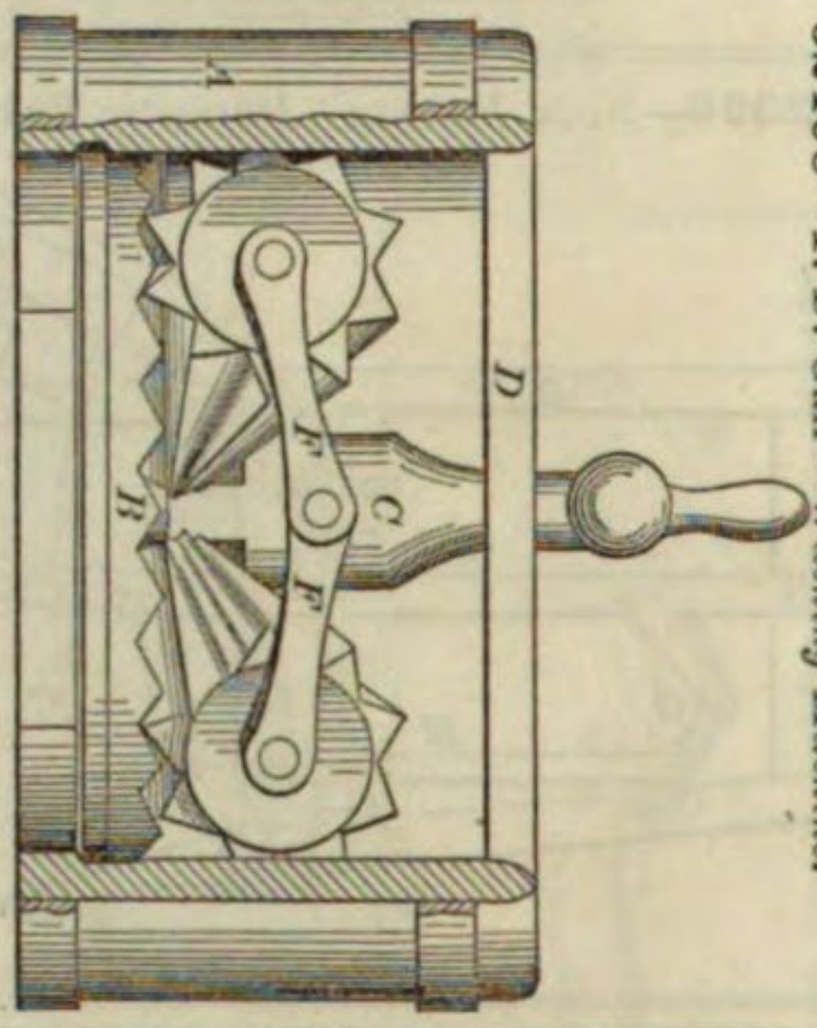
52405—J. A. Fogg—*Coffin.*



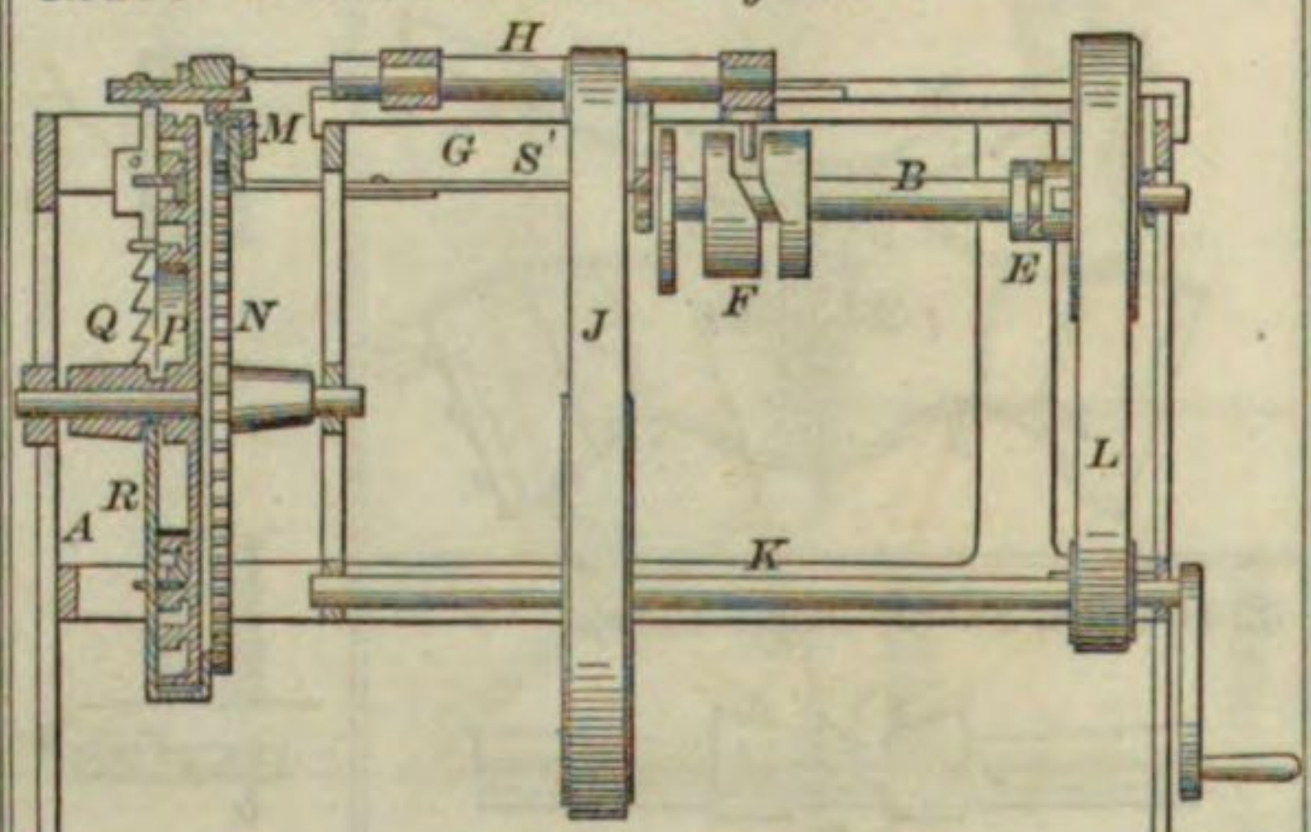
52407—J. Fowler—*Plow.*



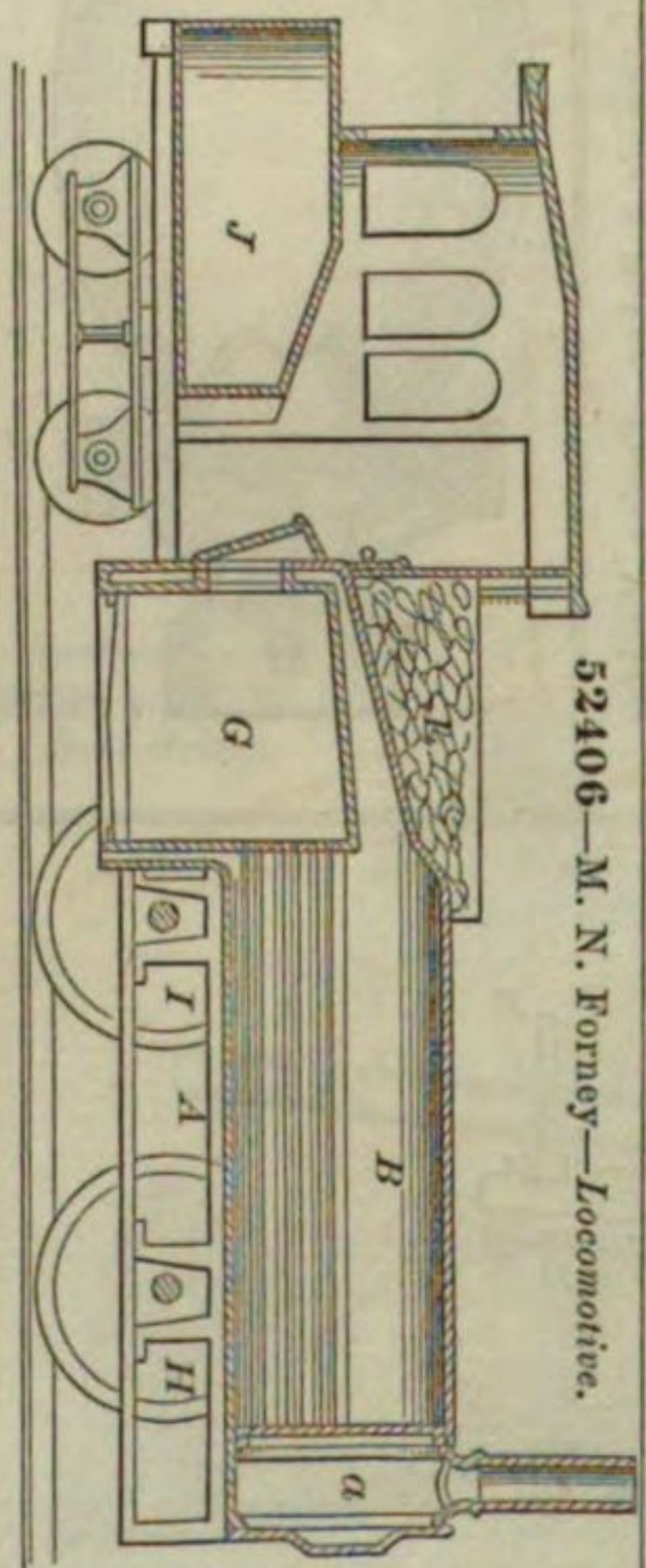
52408—T. D. Gail—*Washing Machine.*



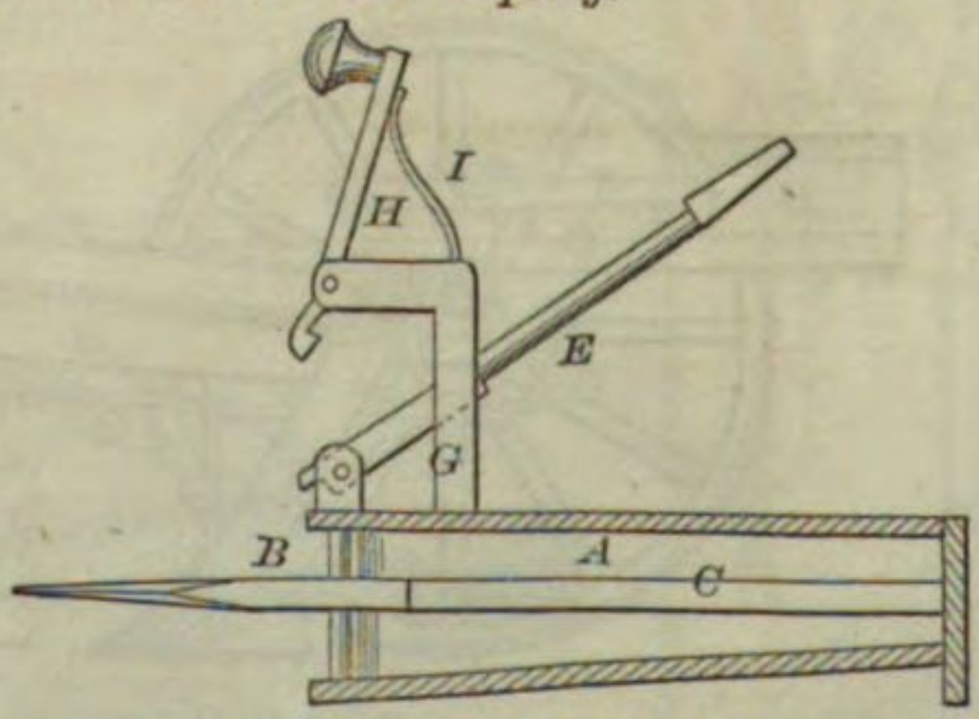
52409—J. H. Gibbs—*For Boring Blinds.*



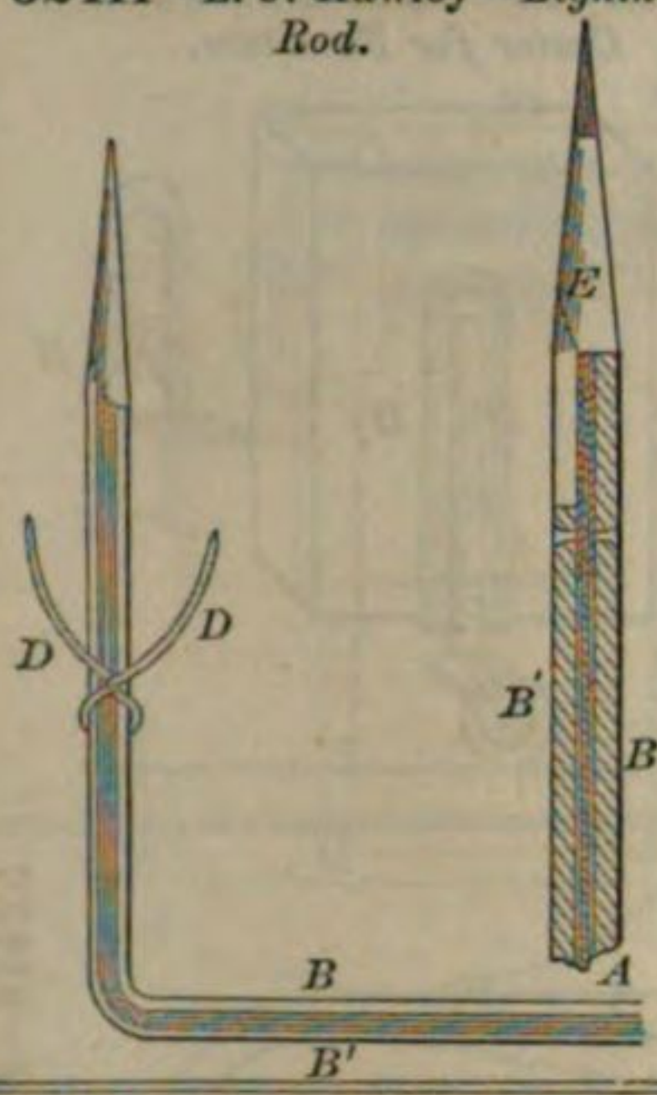
52406—M. N. Forney—*Locomotive.*



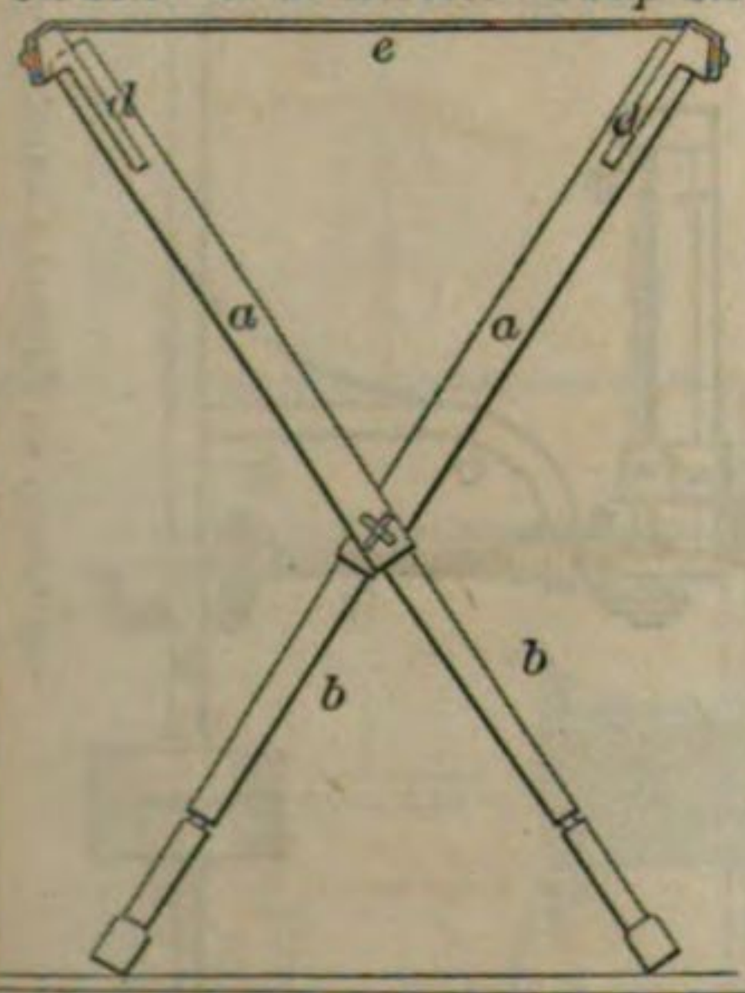
52410—J. Harris—*Car Coupling.*



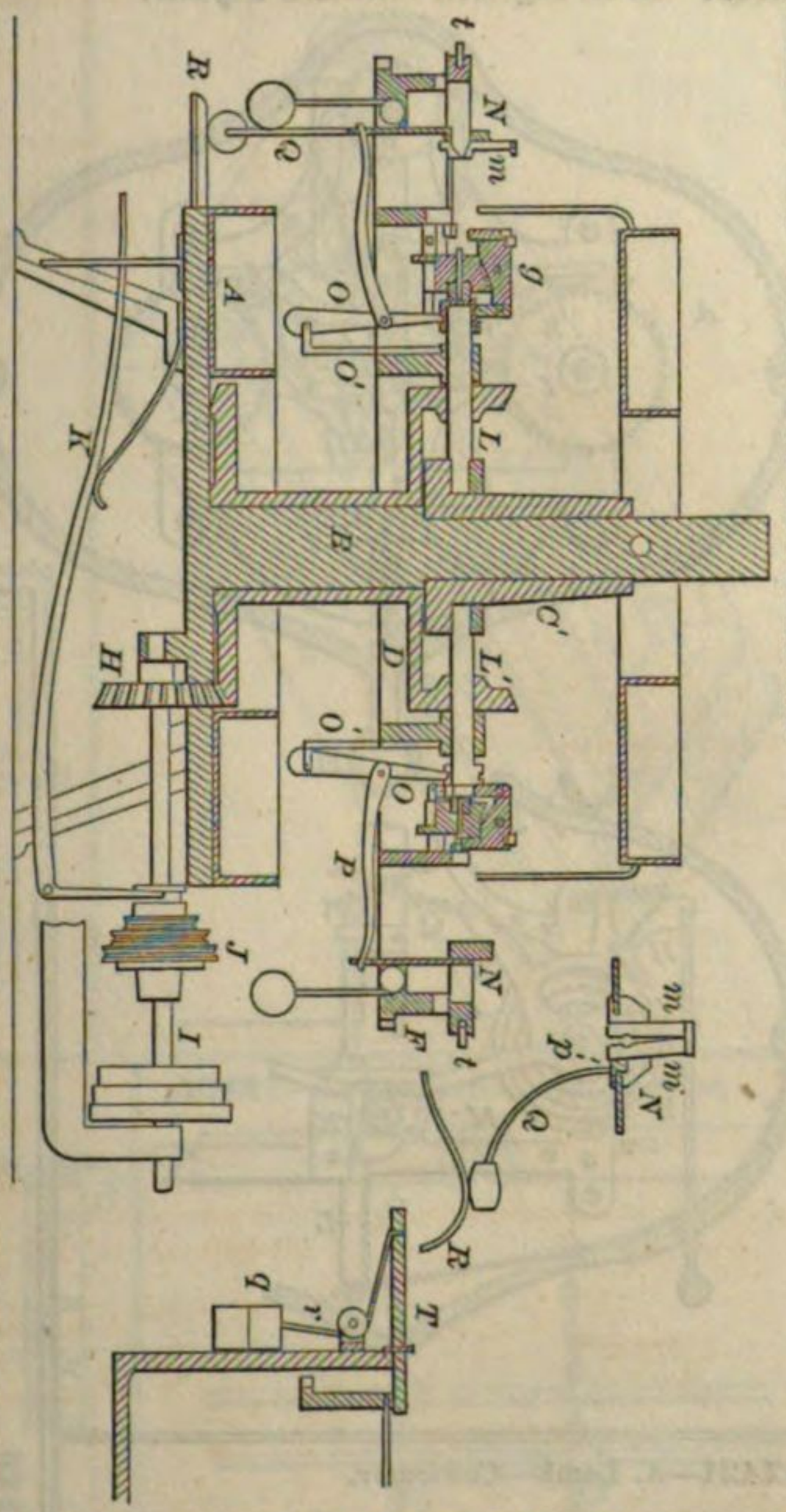
52411—L. J. Hawley—*Lightning Rod.*



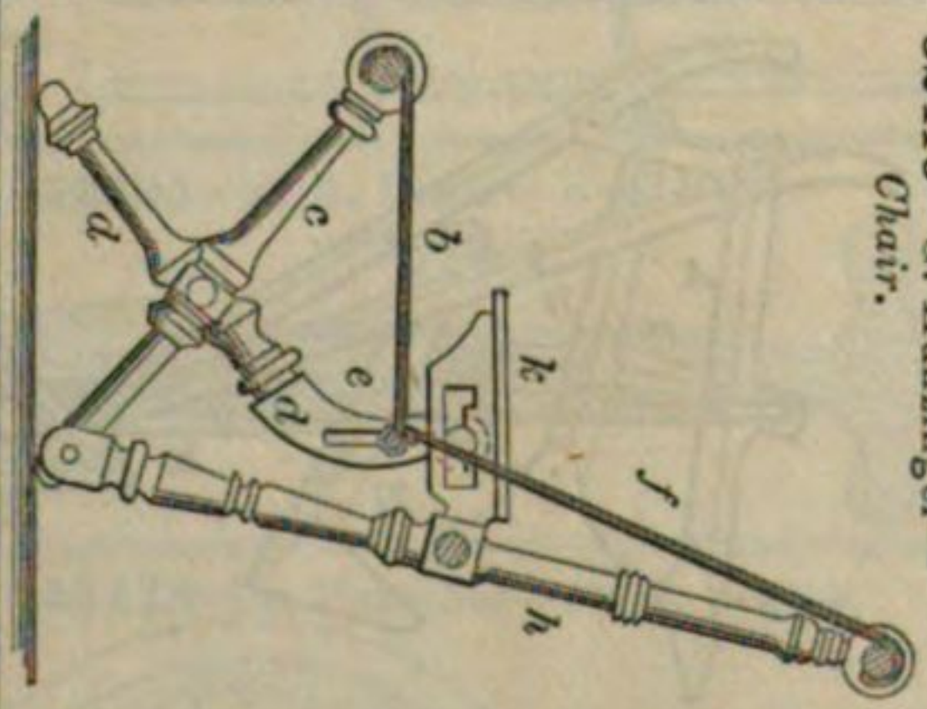
52412—C. G. Herbert—*Camp Stool.*



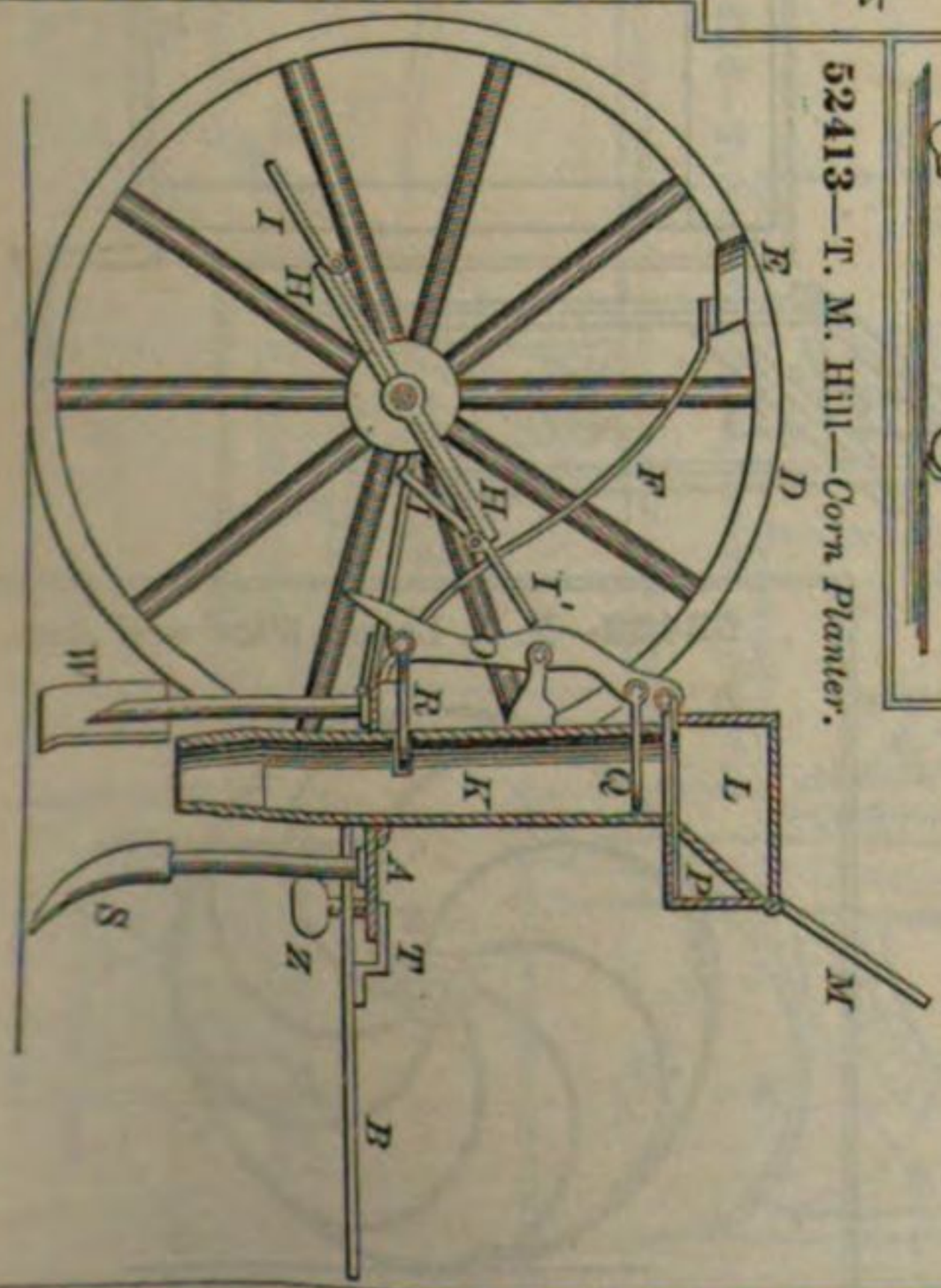
52415—W. W. Hubbard—*Bolt and Nut Machine.*



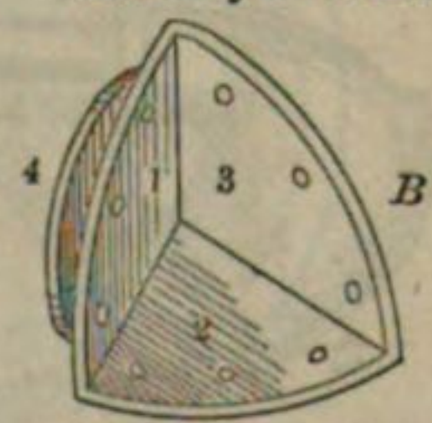
52416—G. Hunzinger—*Chair.*



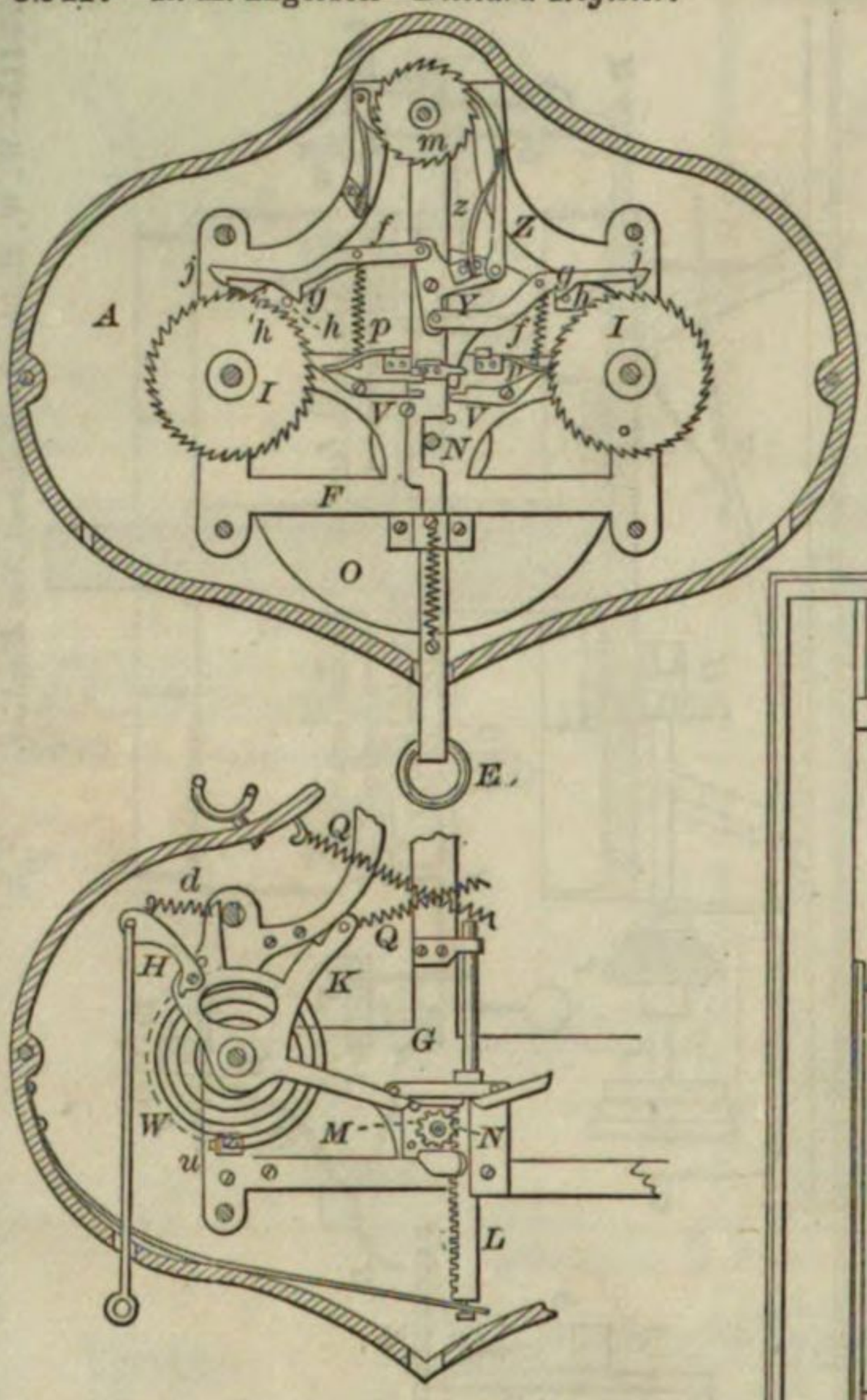
52413—T. M. Hill—*Corn Planter.*



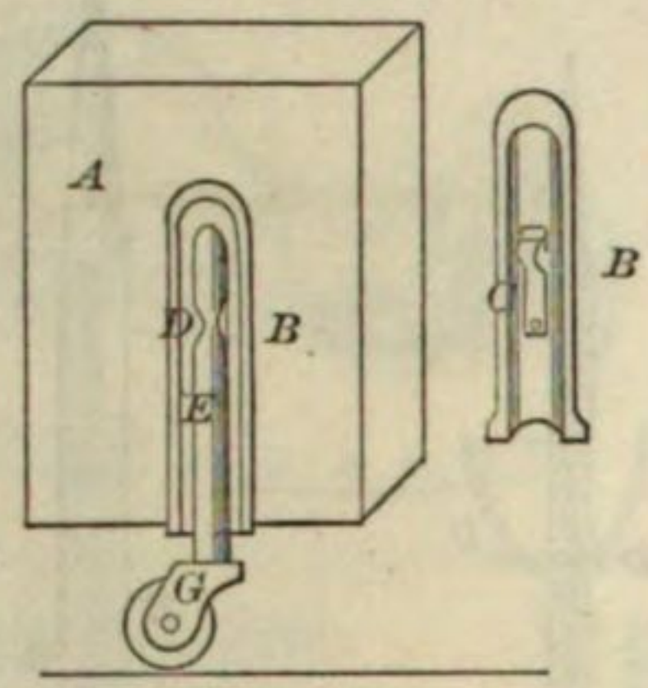
52414—J. A. & H. A. House—*Shield for Trunks.*



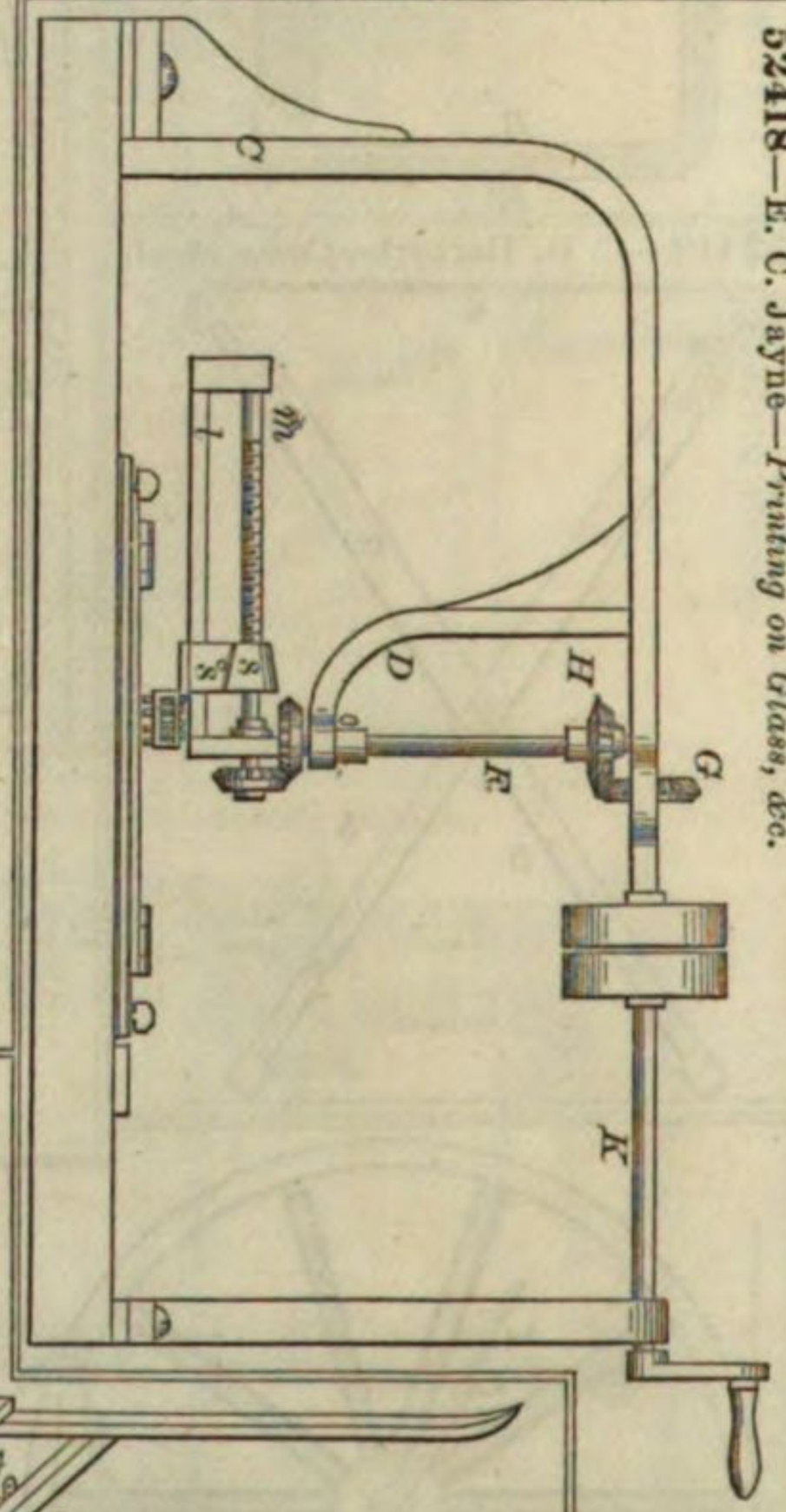
52417—R. H. Ingersoll—*Billiard Register.*



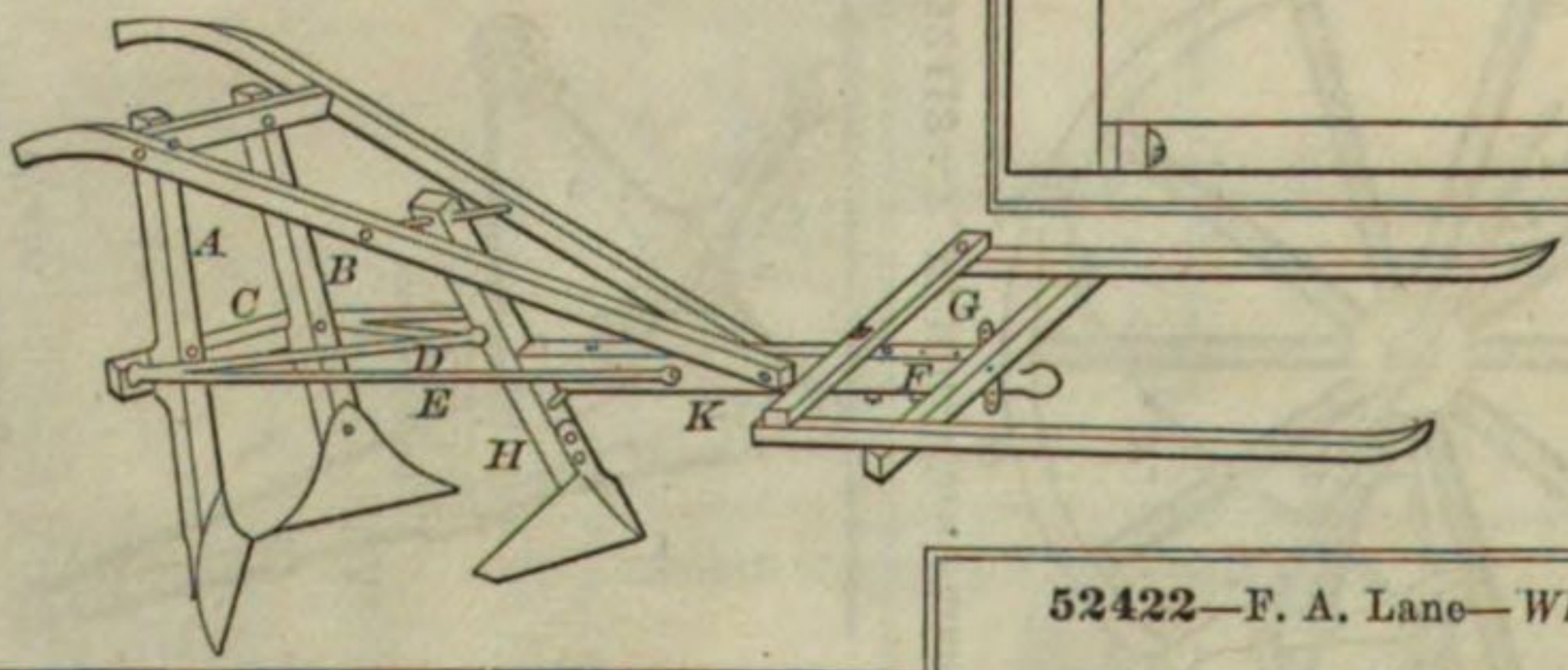
52420—Kane & Brown—
Caster for Furniture.



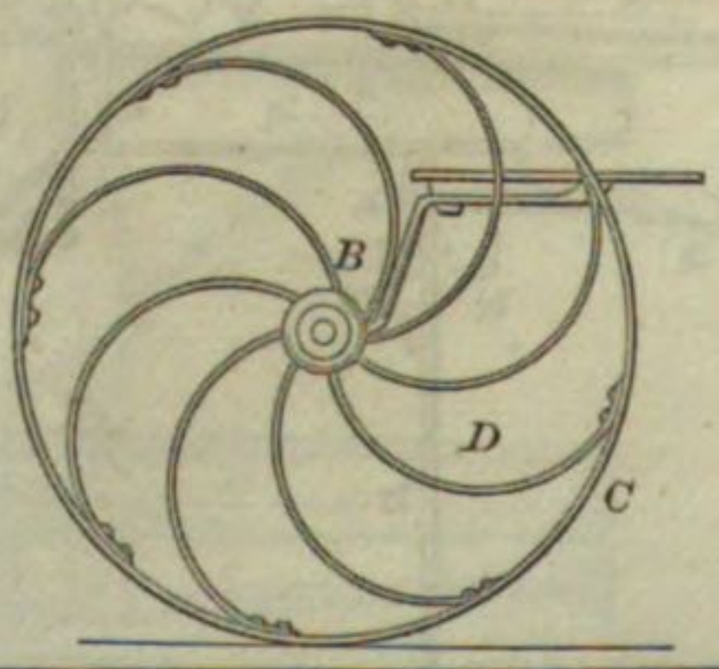
52418—E. C. Jayne—*Printing on Glass, &c.*



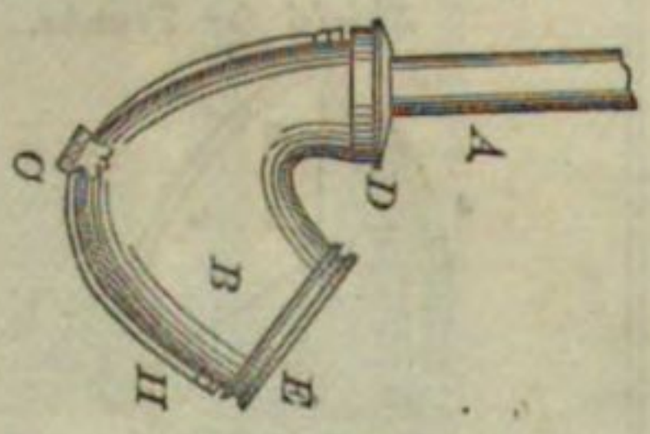
52421—A. Lamb—*Cultivator.*



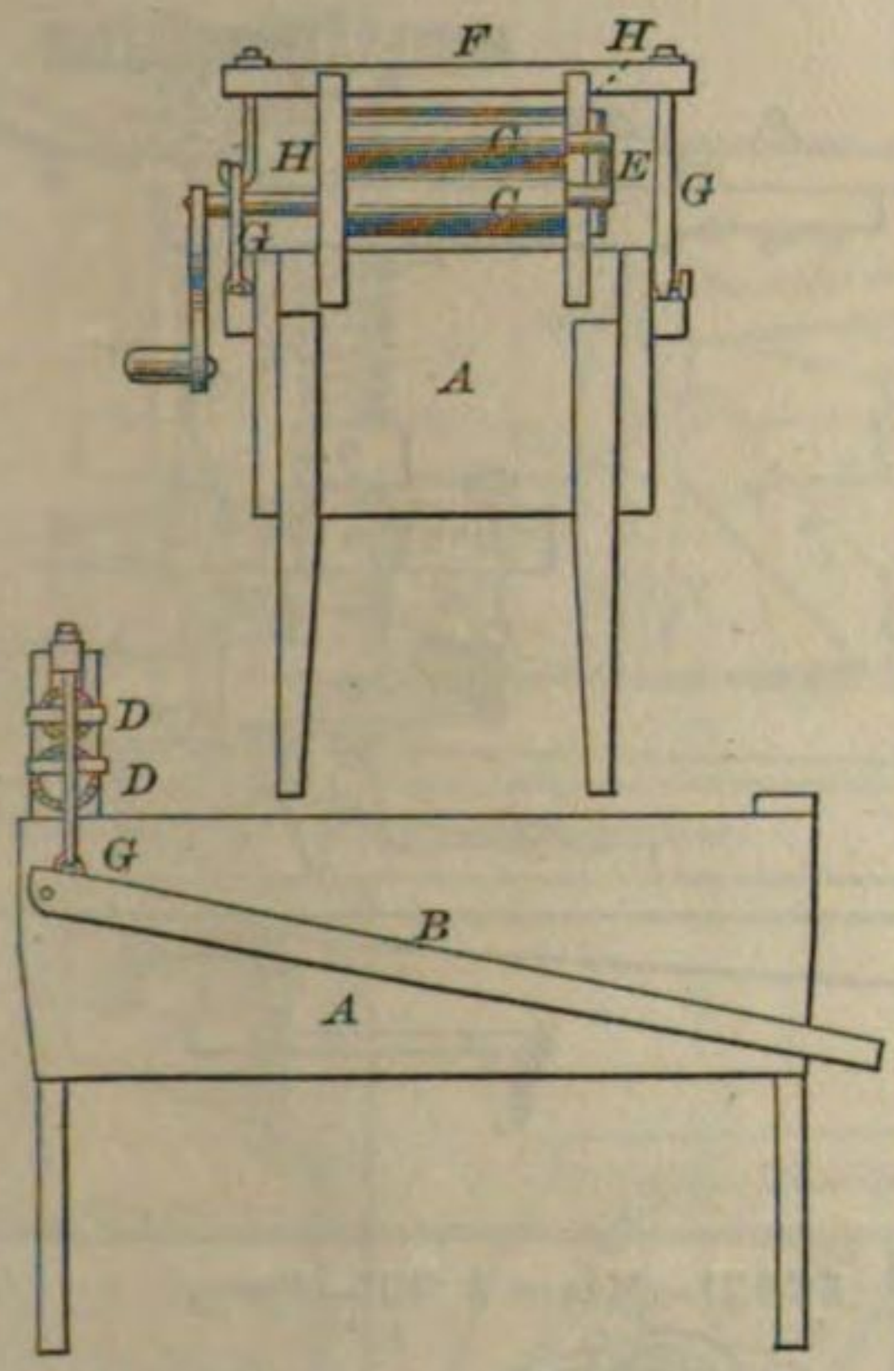
52422—F. A. Lane—*Wheel and Axle.*



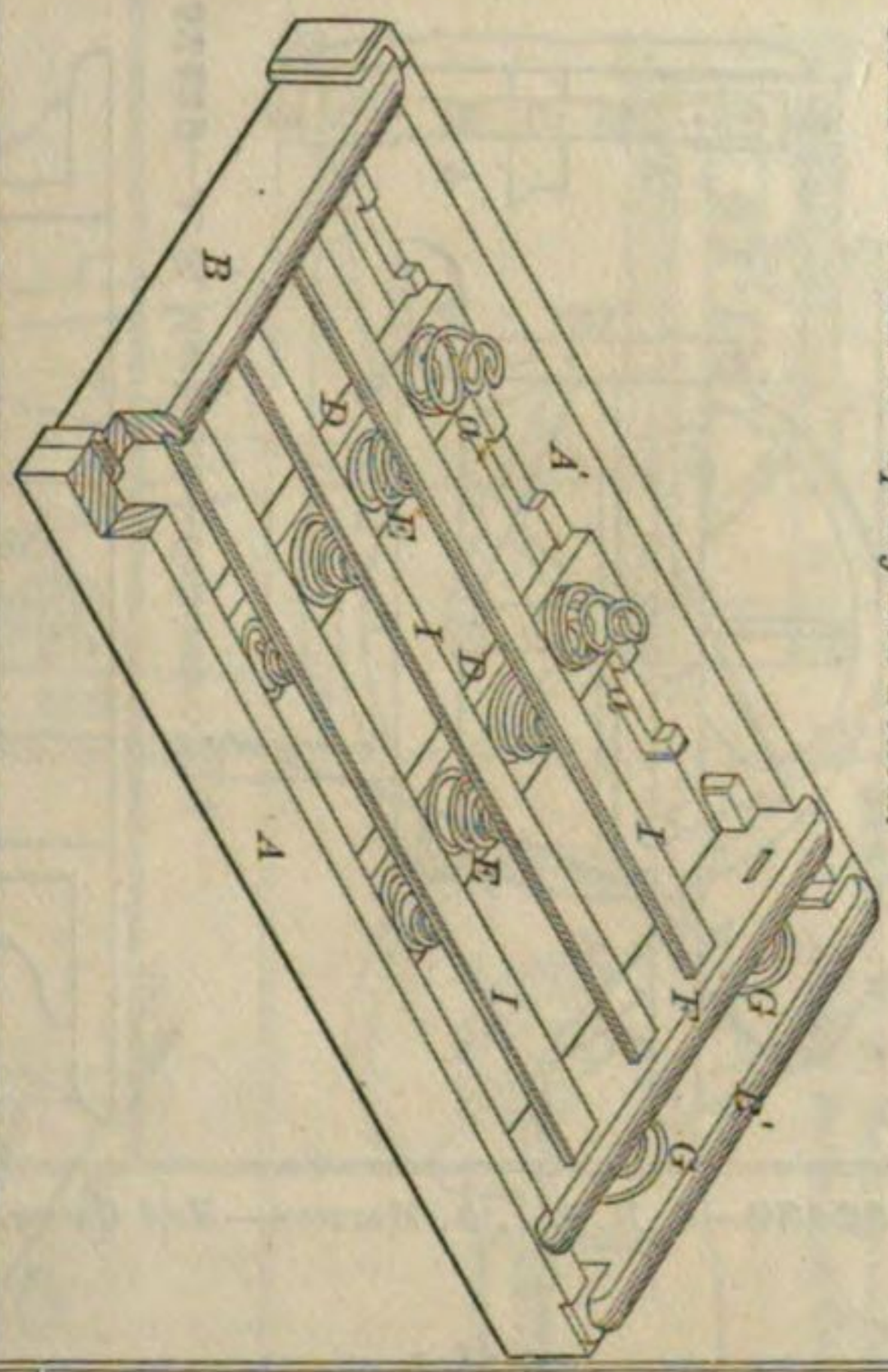
52419—P. Jeanne—*Tobacco Pipe.*



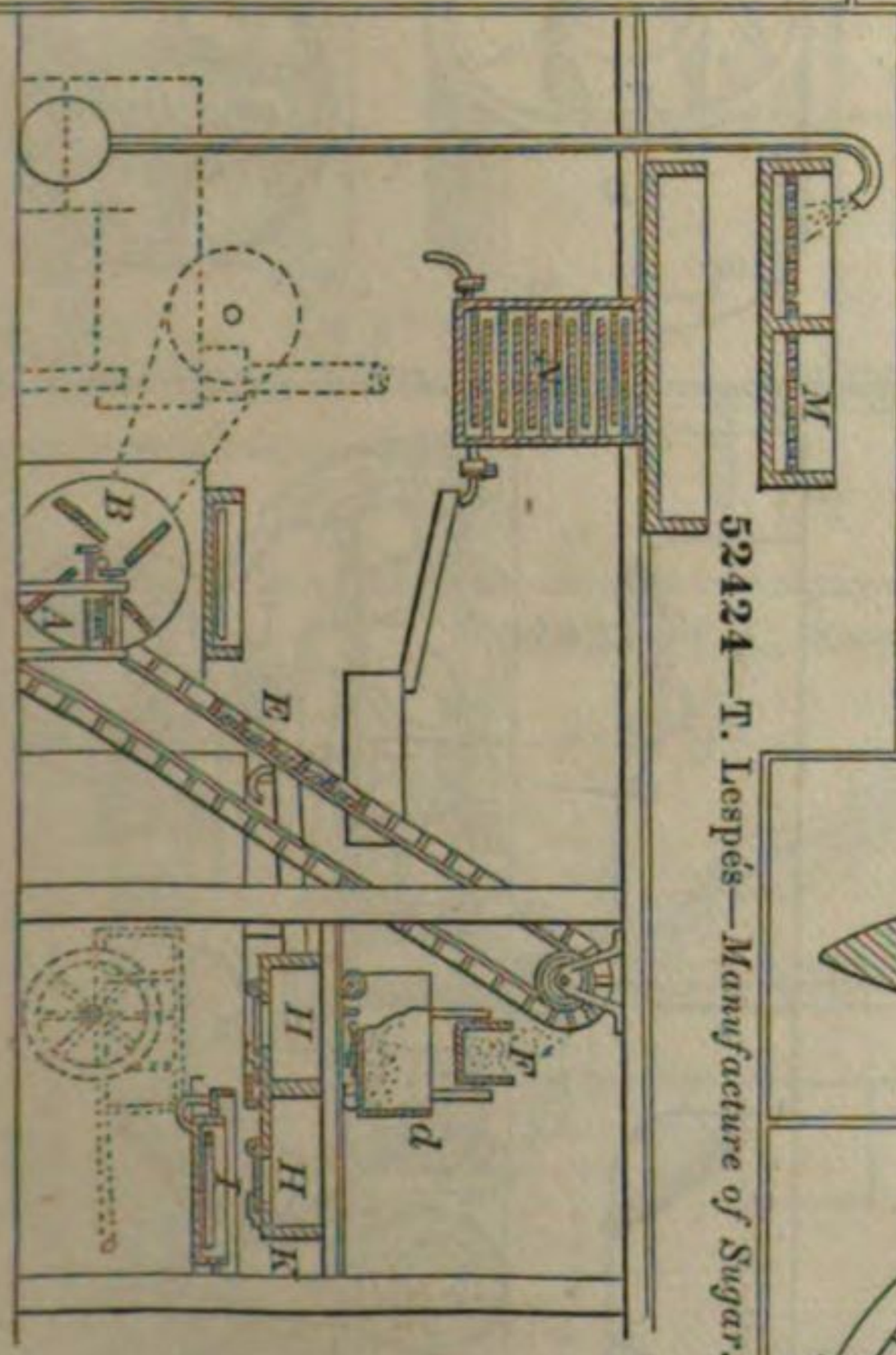
52423—J. Lee—*Clothes Wringer.*



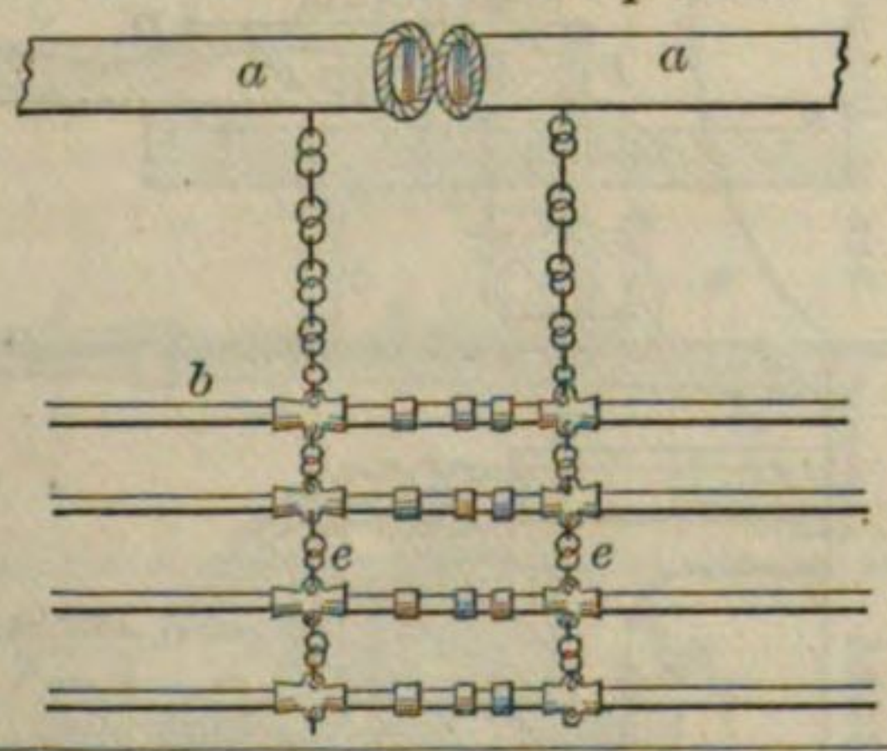
52426—T. Linfoot—*Spring Bed Bottom.*



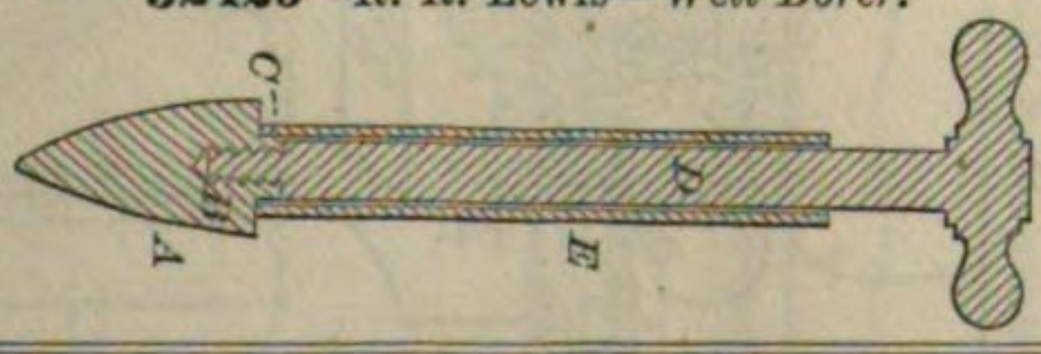
52424—T. Lespés—*Manufacture of Sugar.*



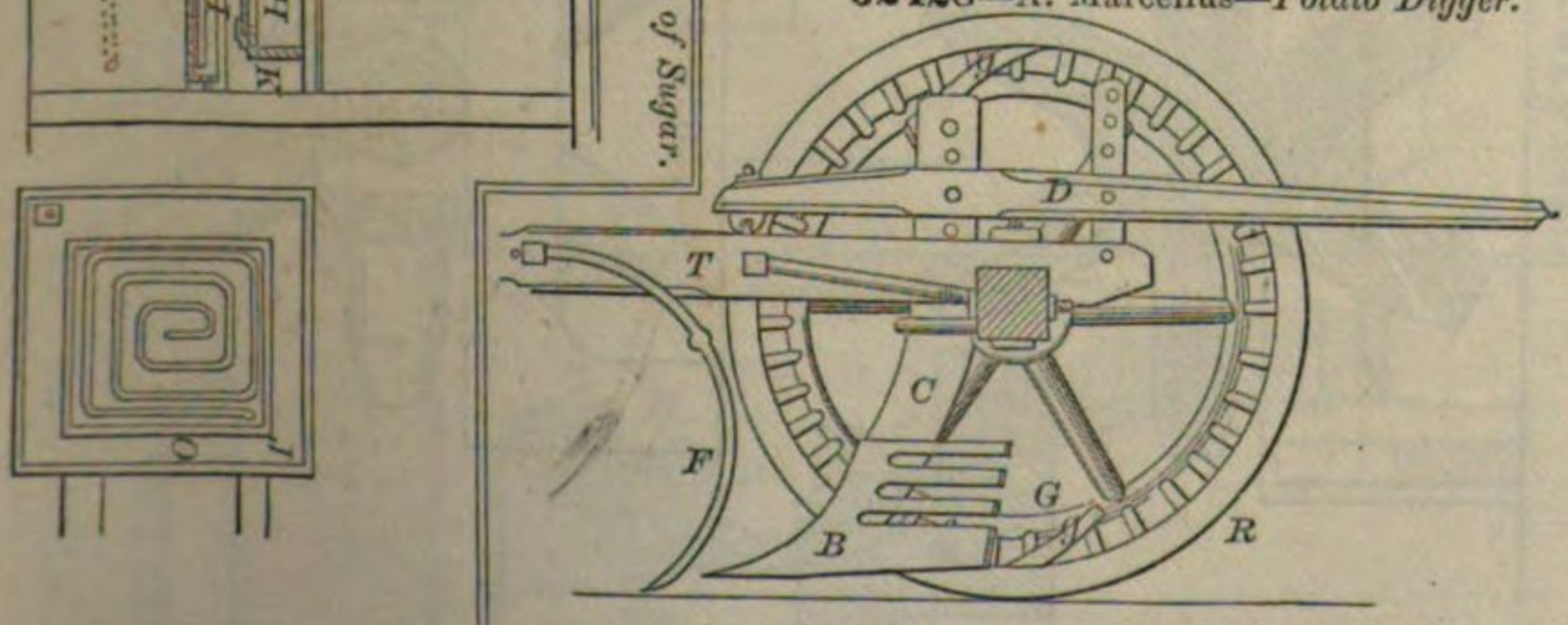
52427—L. Lobenstein—*Hoop Skirt.*



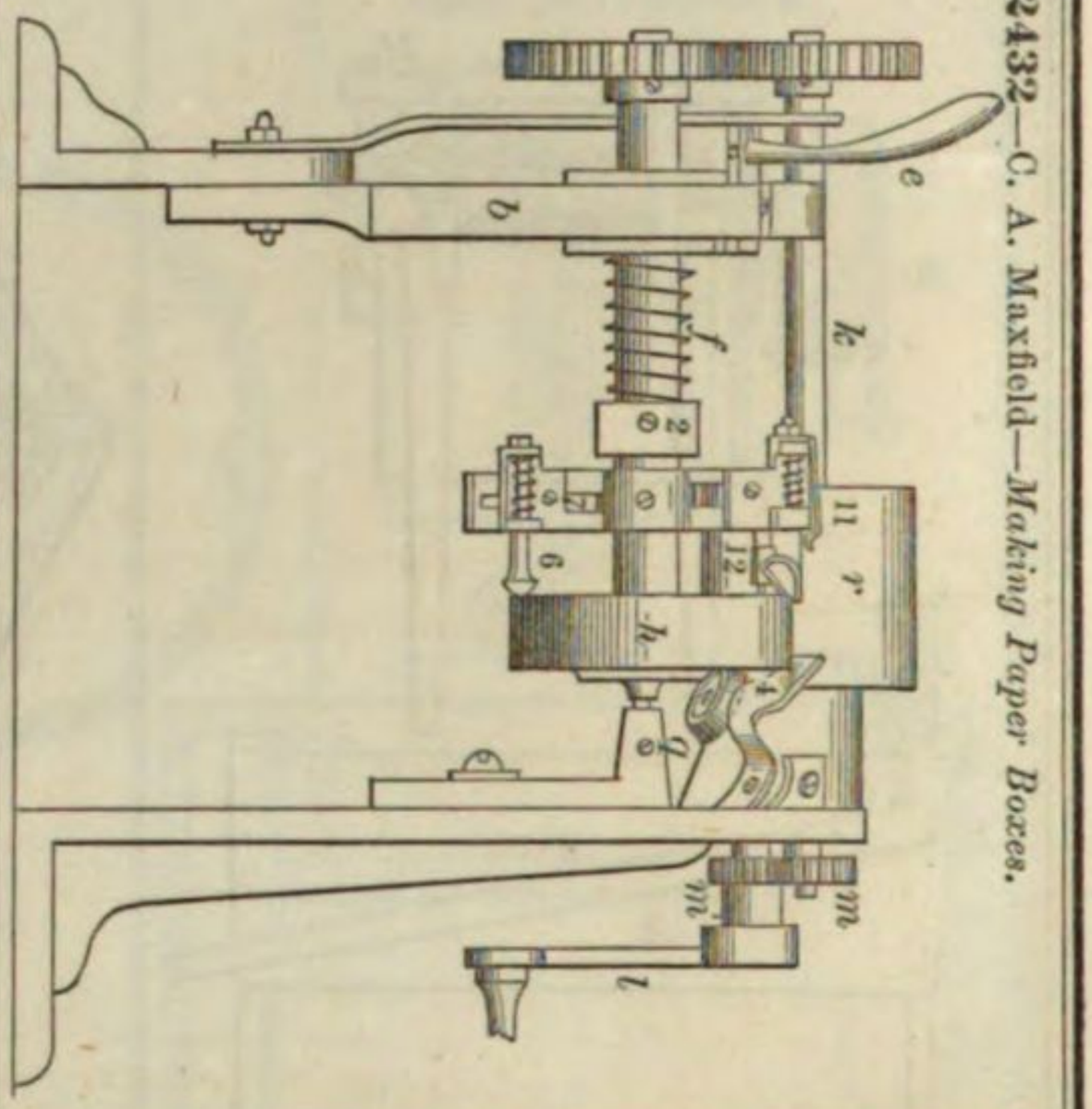
52425—R. R. Lewis—*Well Borer.*



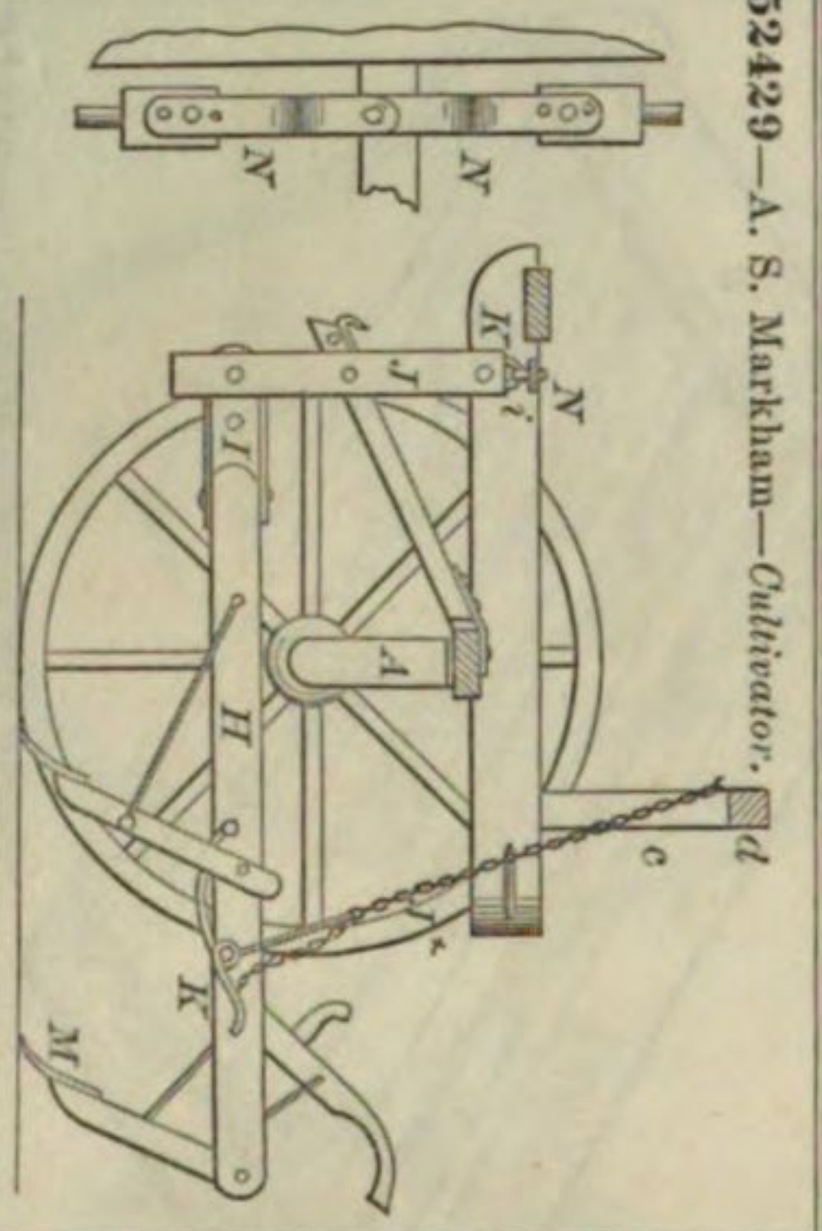
52428—A. Marcellus—*Potato Digger.*



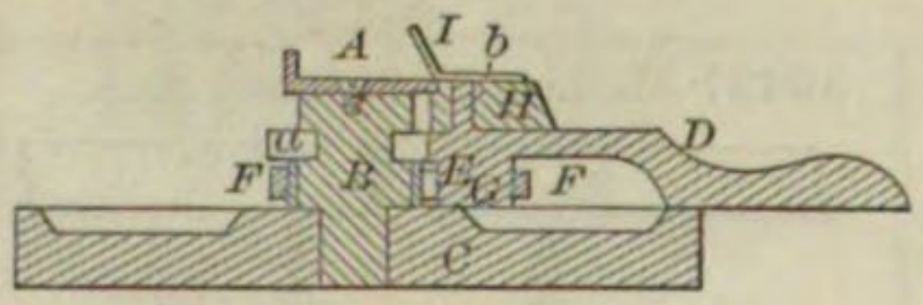
52432—C. A. Maxfield—*Making Paper Boxes.*



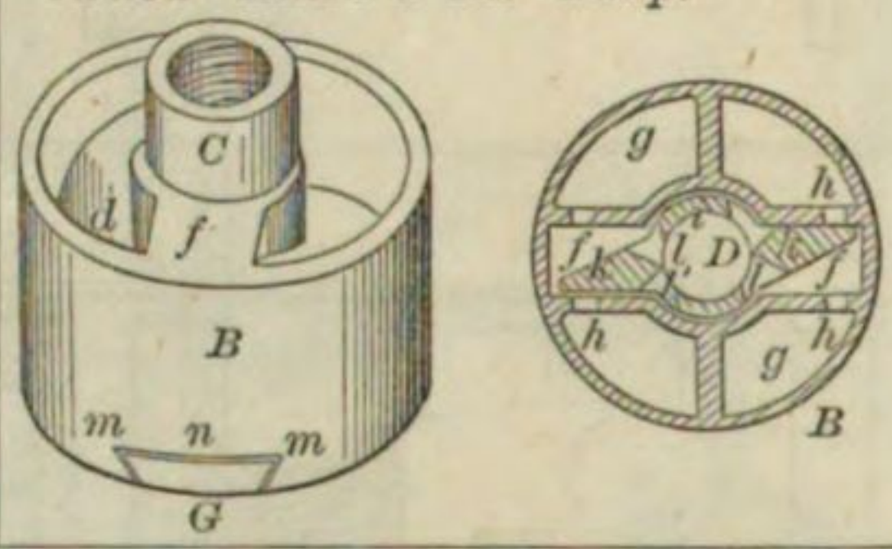
52429—A. S. Markham—*Cultivator.*



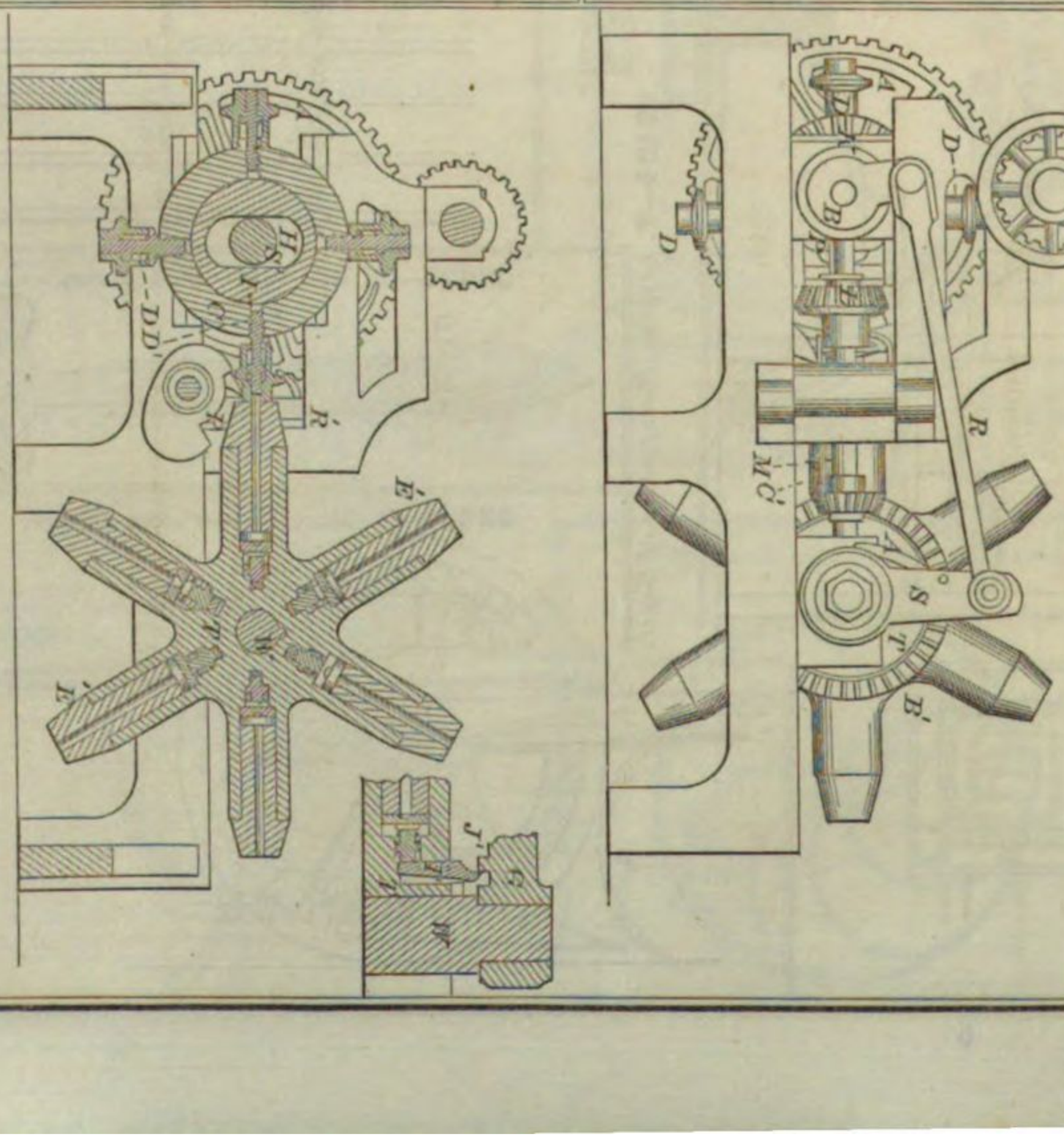
52430—O. H. & J. A. Marston—*Heel Cutter.*



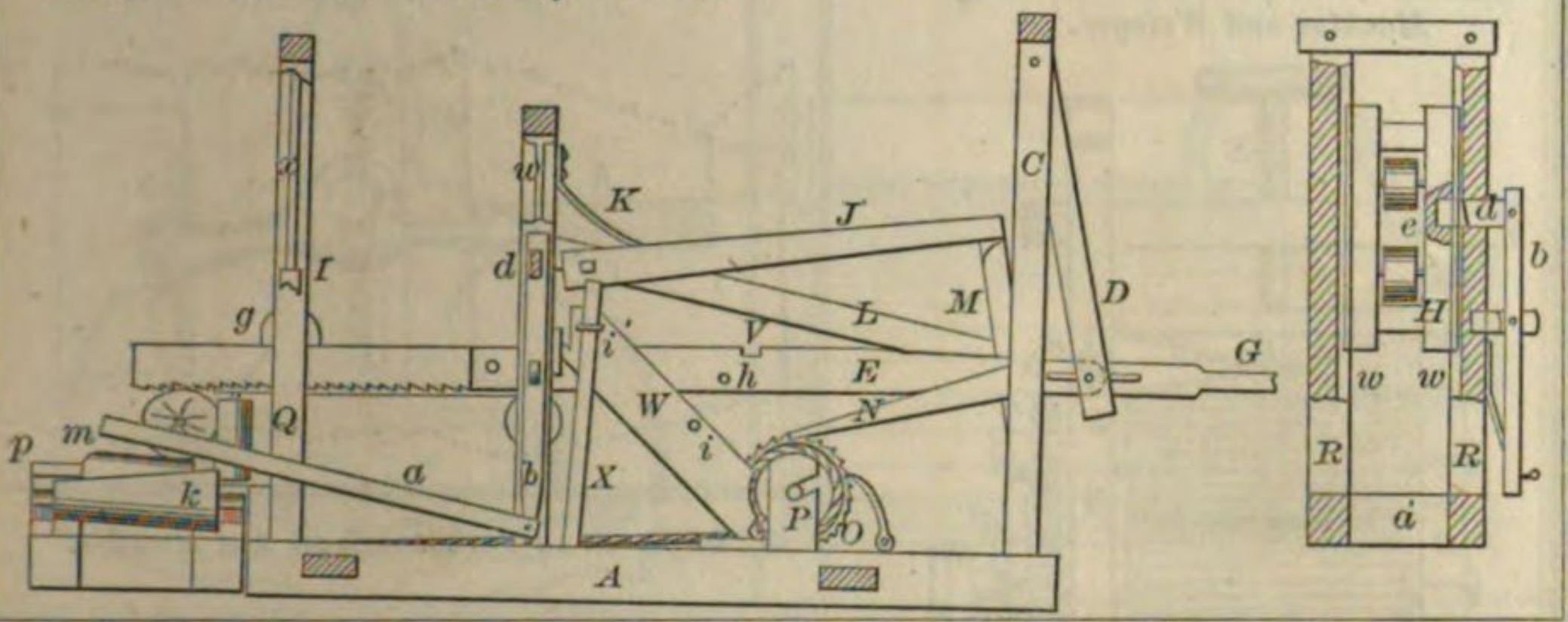
52431—Mason & Gill—*Pump.*



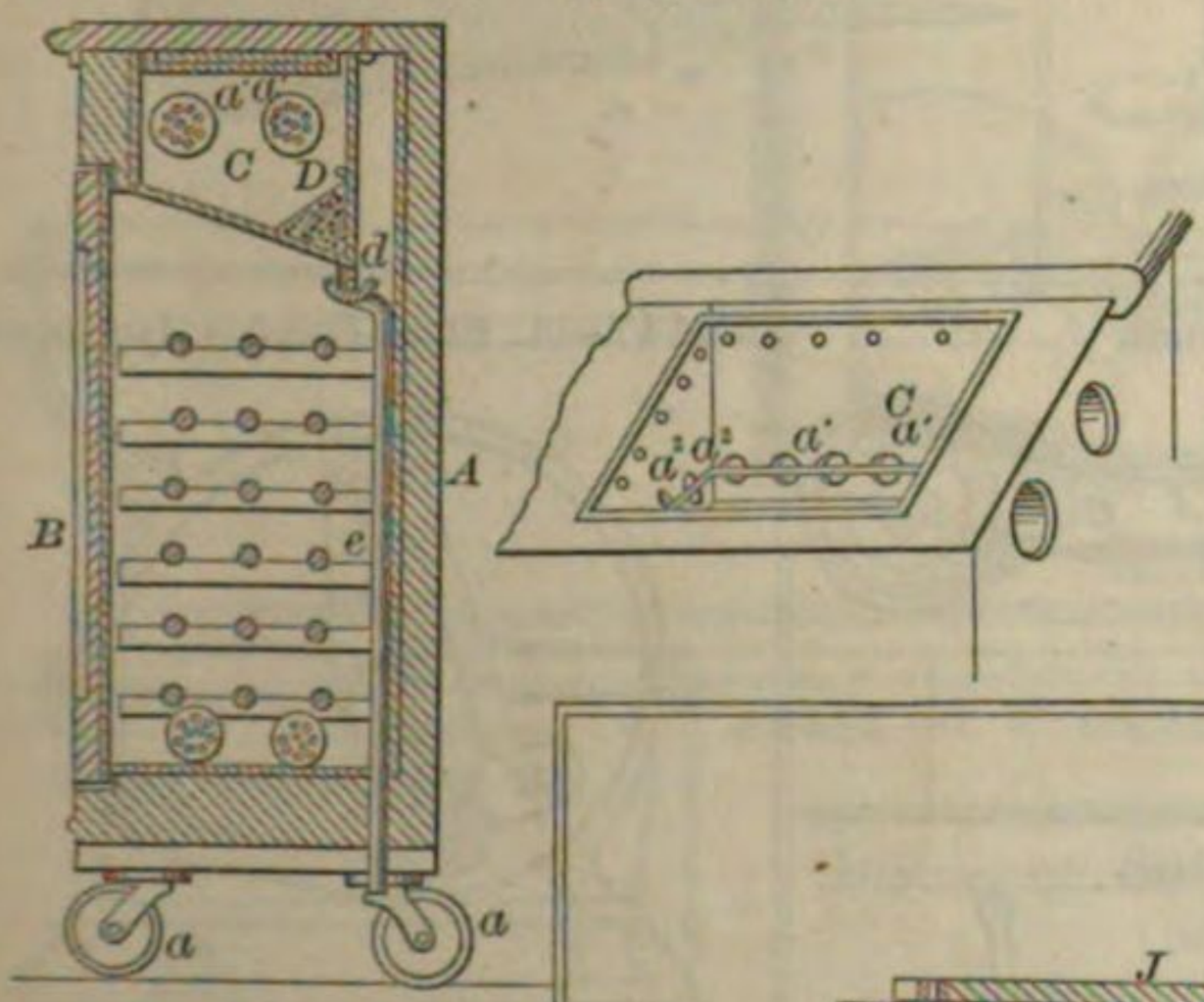
52433—J. W. McDermott—*Bolt Heading Machine.*



52434—A. McFarland—*Sawing Machine.*

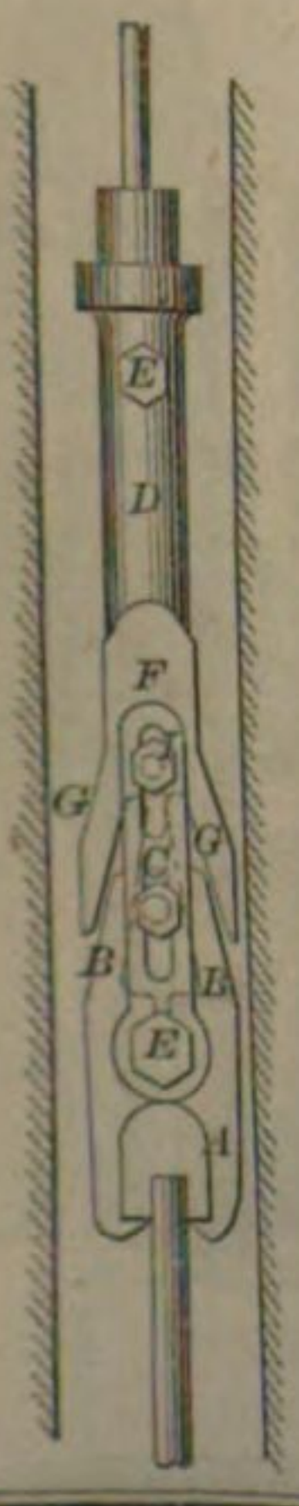


52436—J. McKelvey—*Refrigerator.*

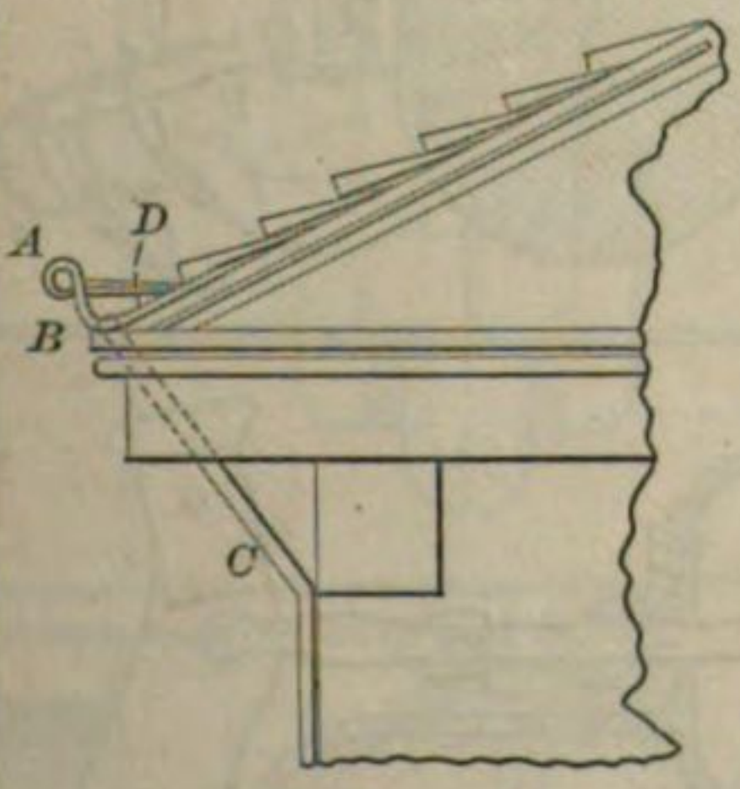


52435—W. A. McIntire—*For Varnishing and Lining Percussion Caps.*

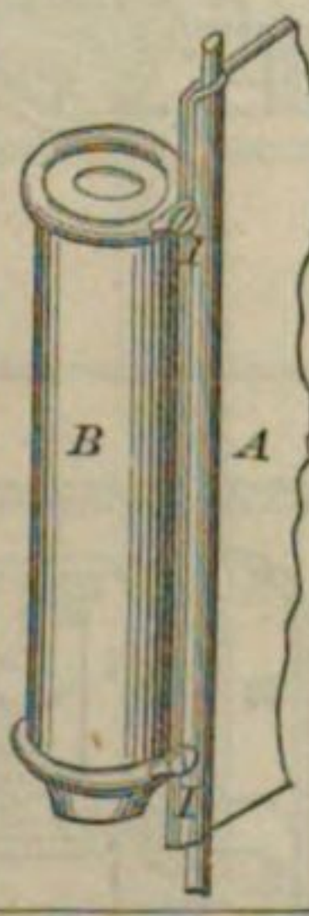
52437—D. F. Mellon—*Grab for Oil Wells.*



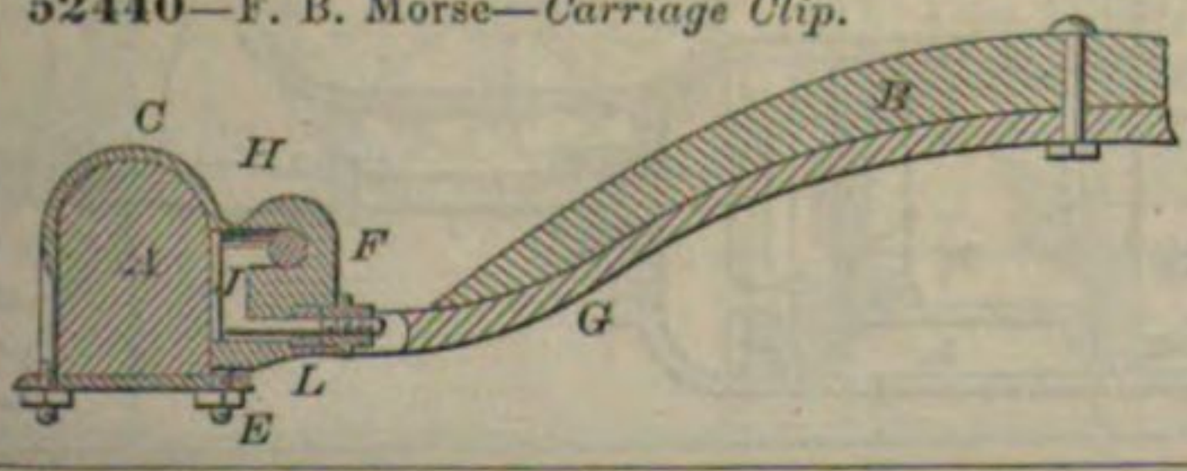
52438—T. C. Moore—*Eaves Trough.*



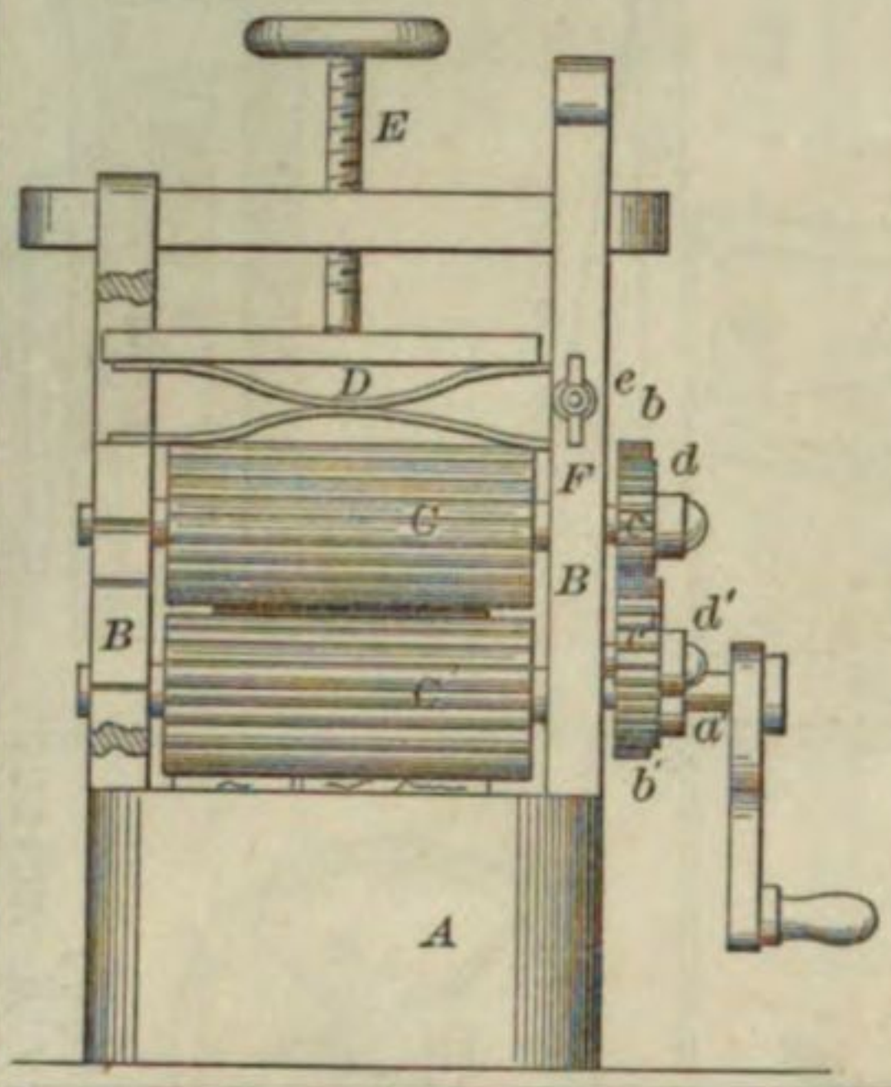
52439—C. B. Morehouse—*Whip Socket.*



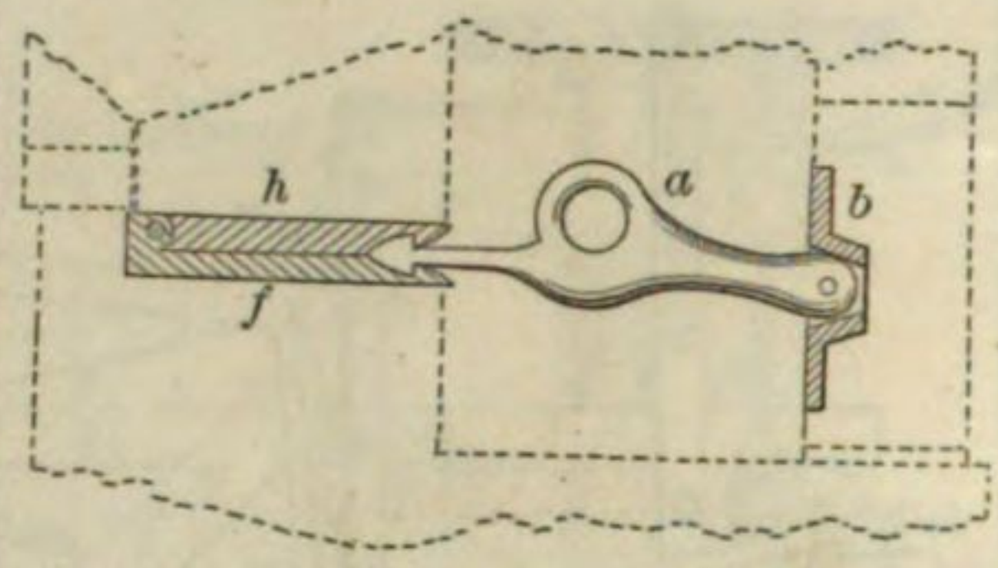
52440—F. B. Morse—*Carriage Clip.*



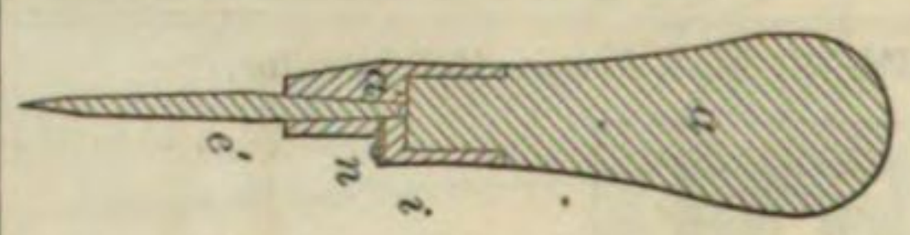
52441—W. H. Nichols—*Washing Machine and Wringer.*



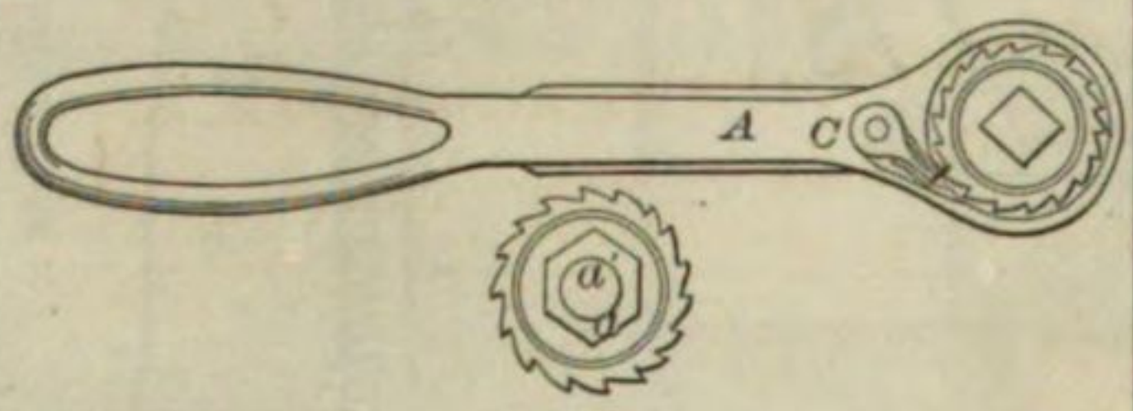
52442—C. A. Palmer—*Blind Fastening.*



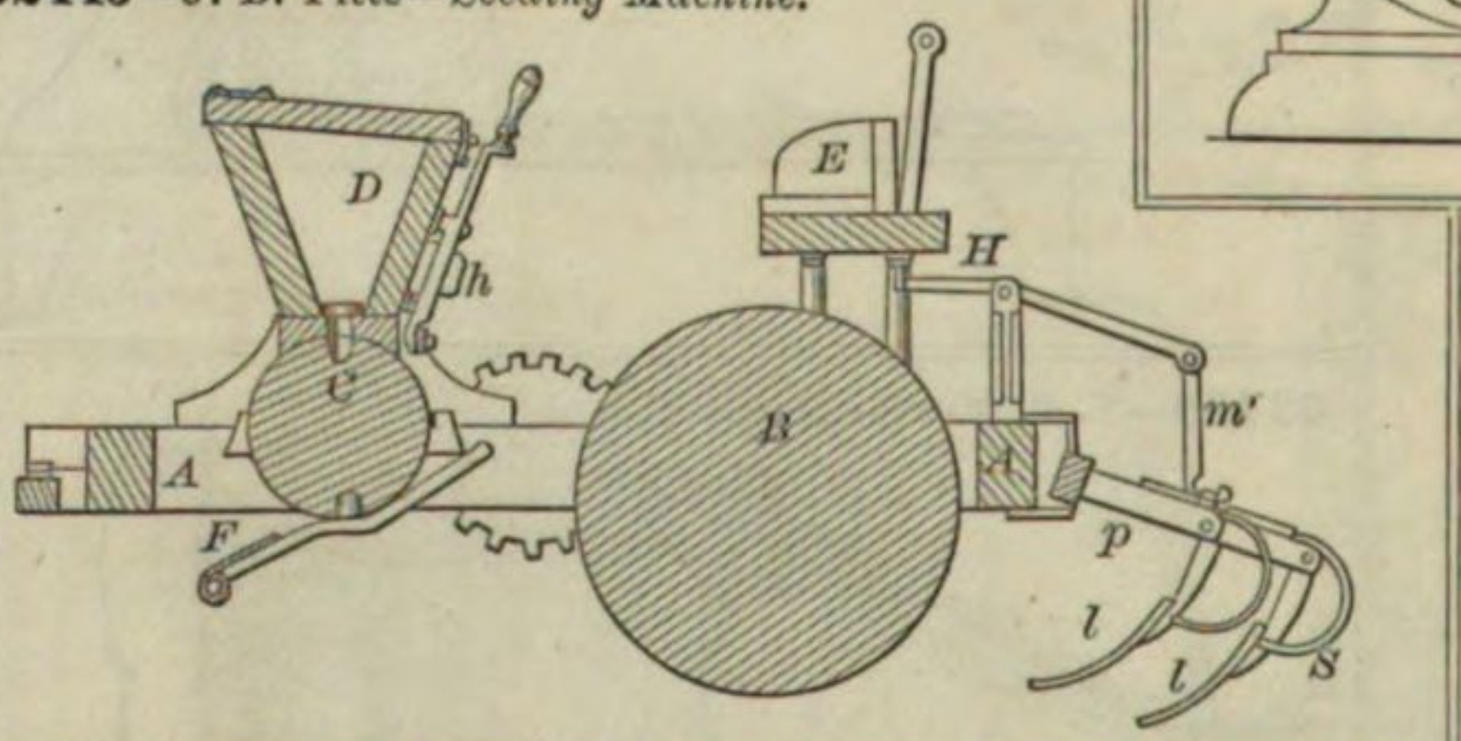
52443—H. L. Parker—*Brad Awl Handle.*



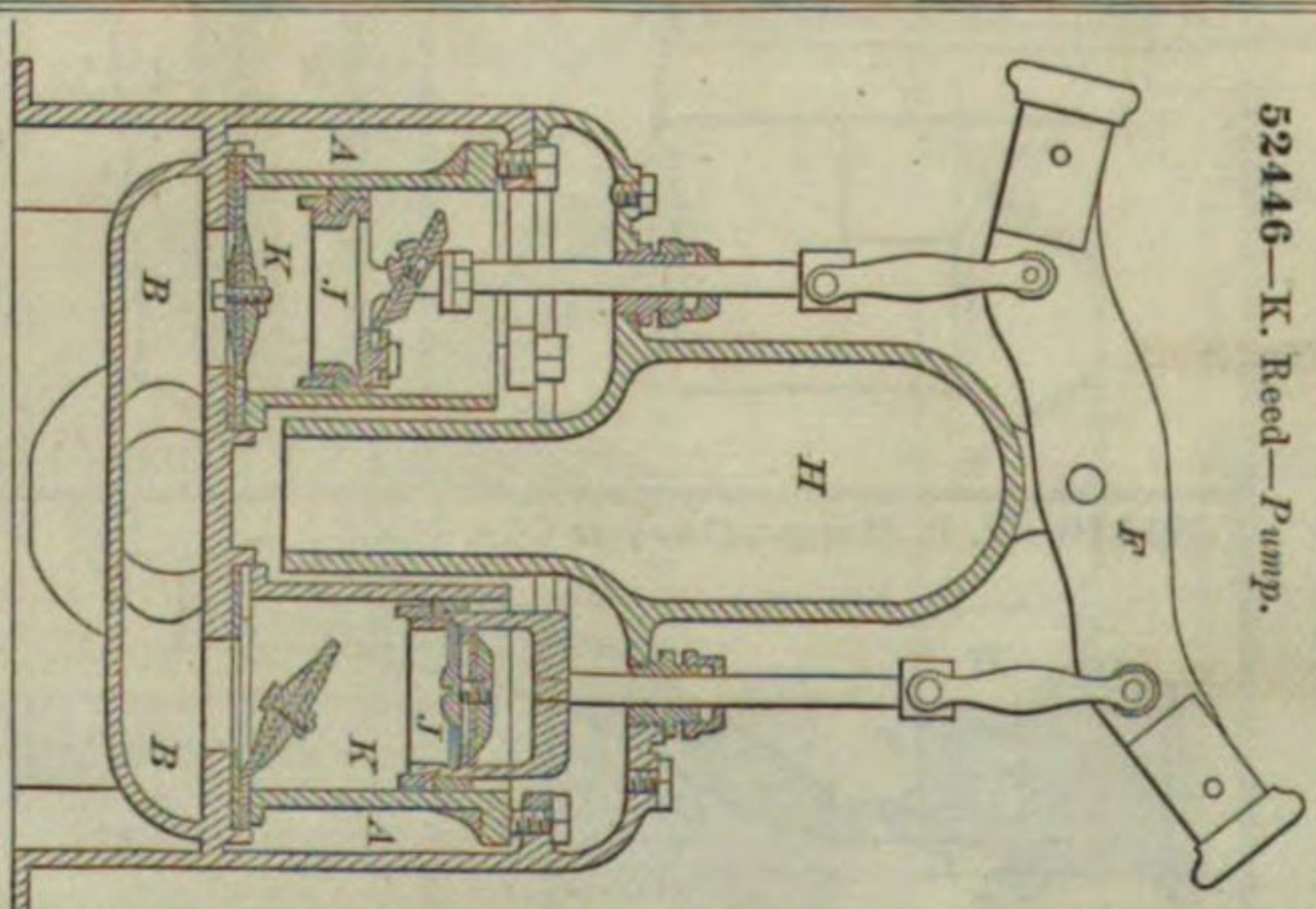
52444—W. Pirsson—*Ratchet Wrench.*



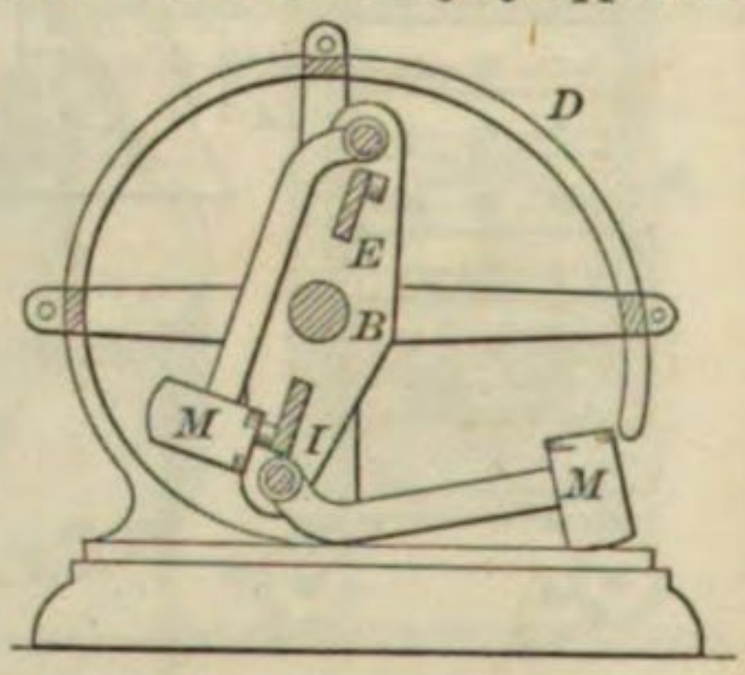
52445—J. B. Pitts—*Seeding Machine.*



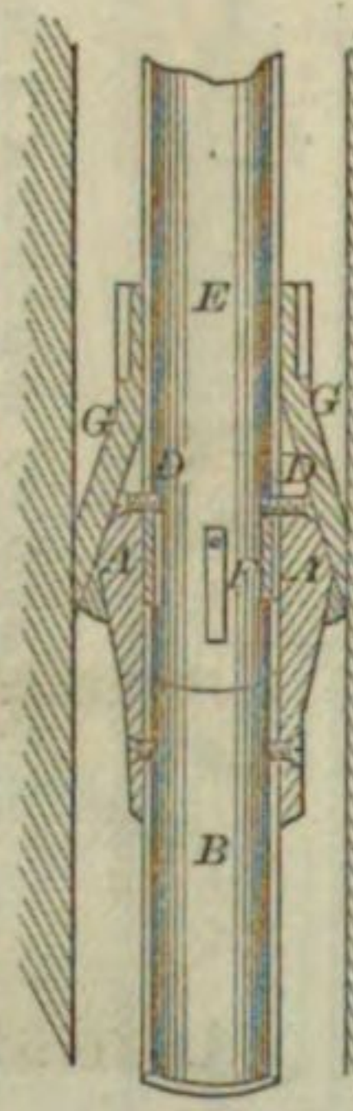
52446—K. Reed—*Pump.*



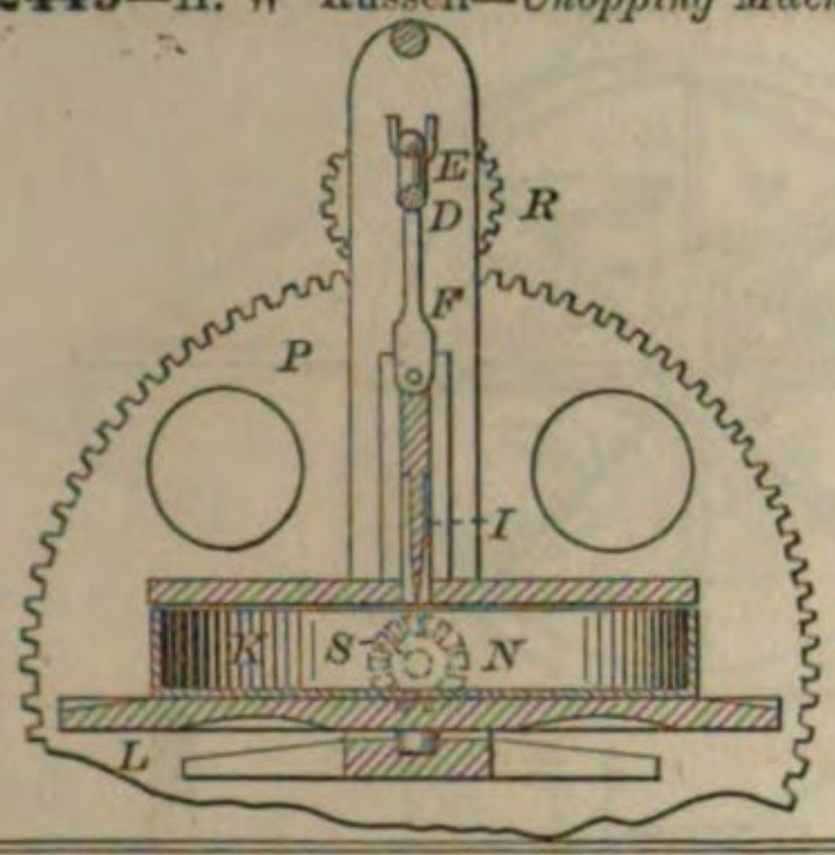
52447—A. Rix—*Forging Apparatus.*



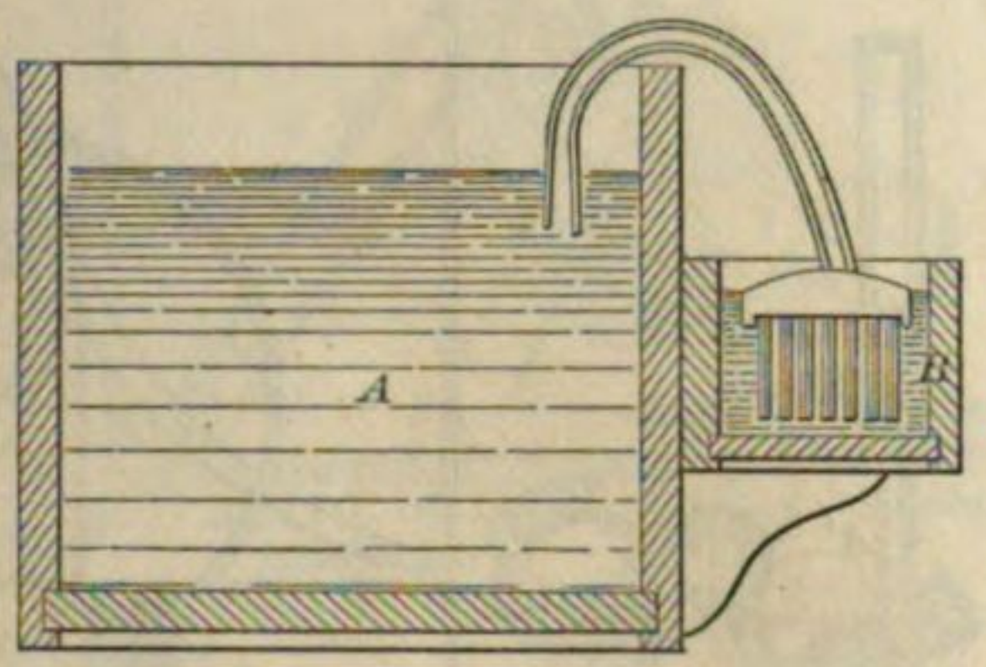
52448—Robinson & Strong—*Packing for Deep Wells.*



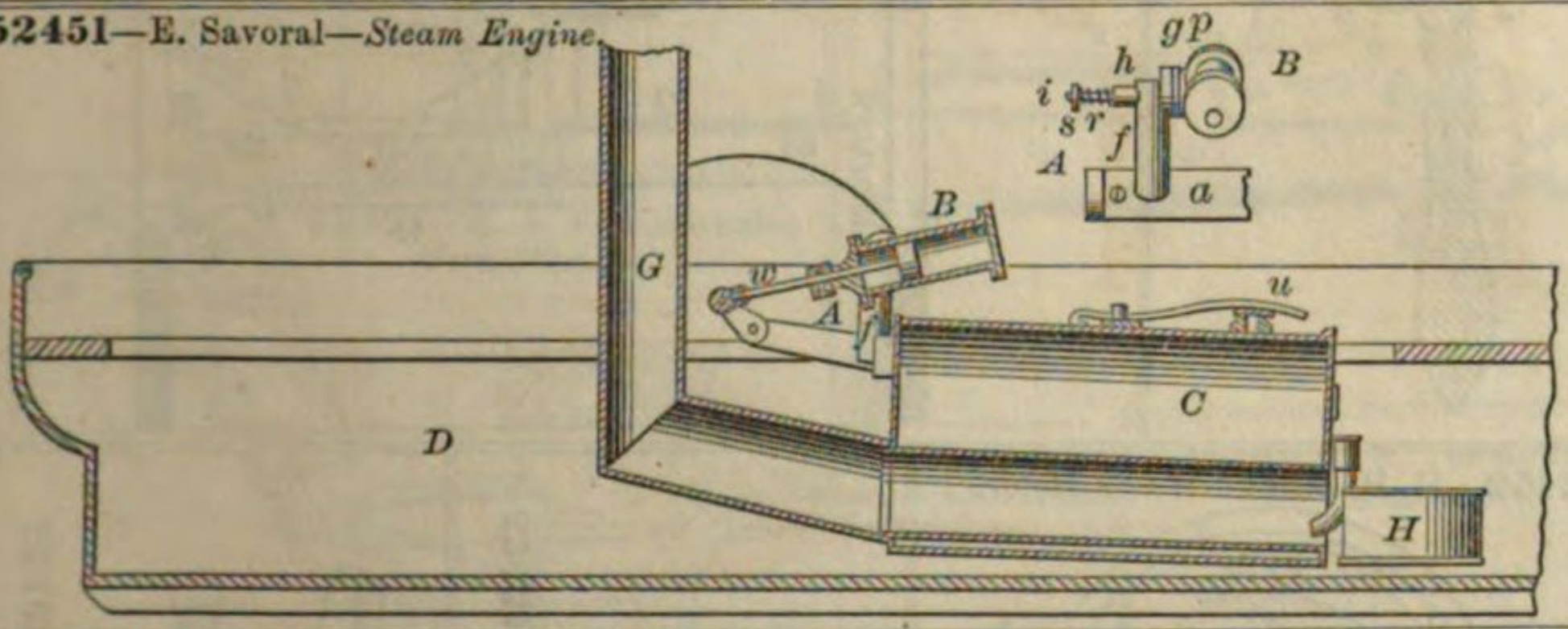
52449—H. W Russell—*Chopping Machine.*



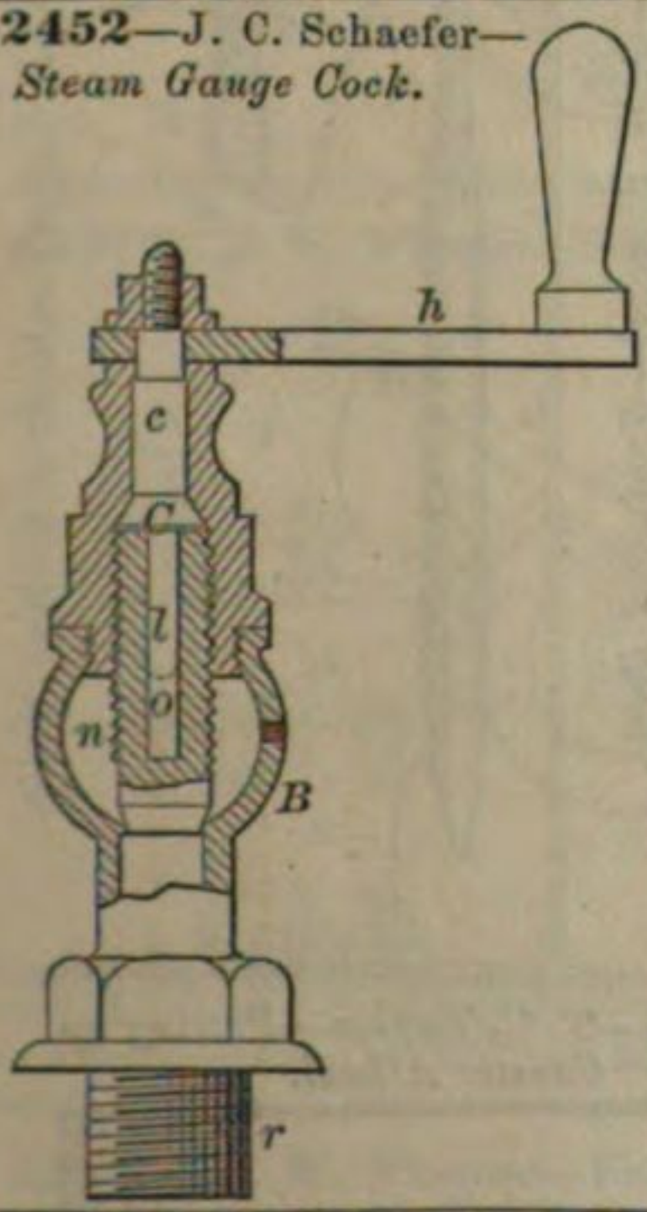
52450—J. Russell—*For Hardening Files.*



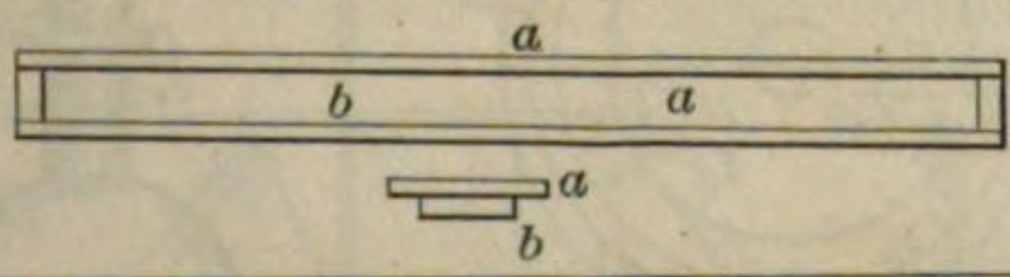
52451—E. Savoral—*Steam Engine.*



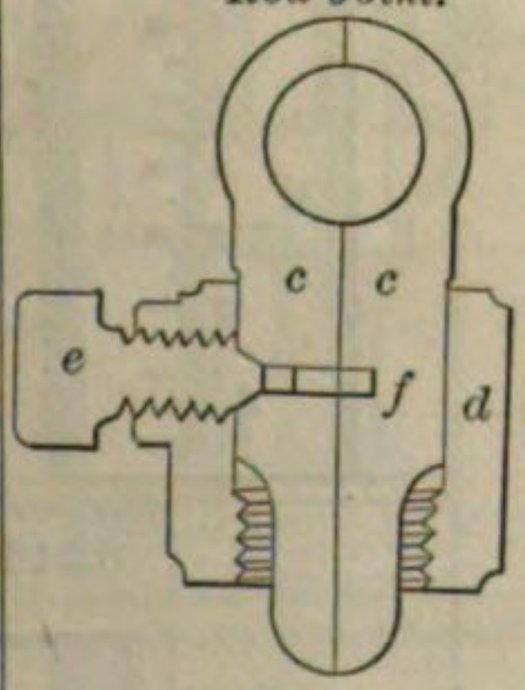
52452—J. C. Schaefer—*Steam Gauge Cock.*



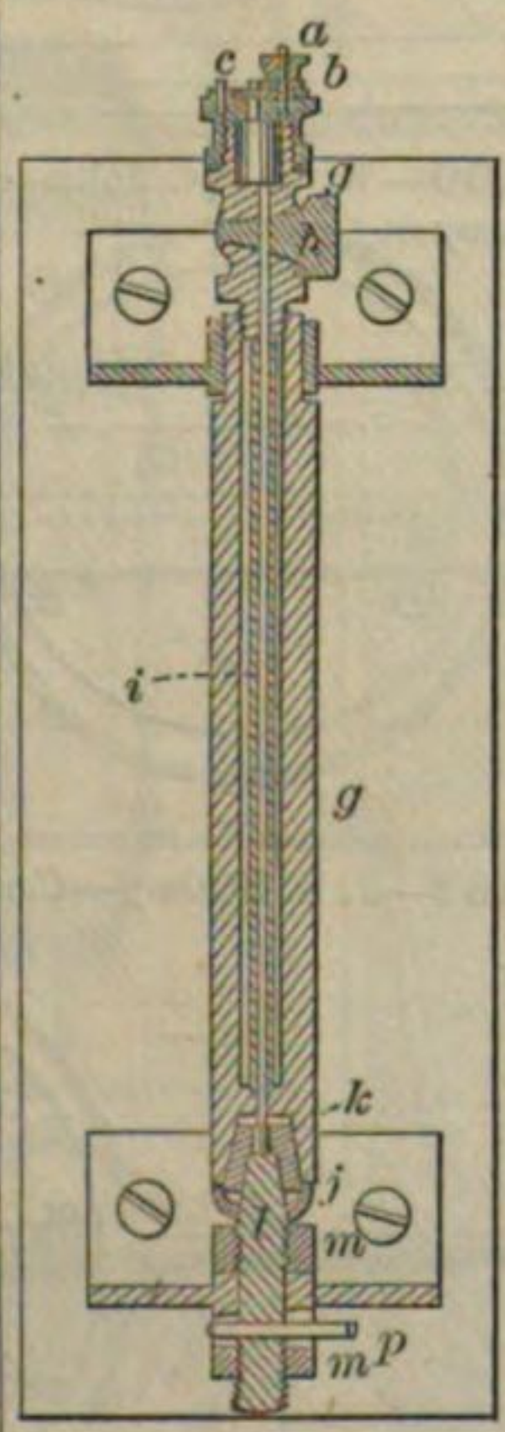
52453—G. W. Schramm—*Ruler.*



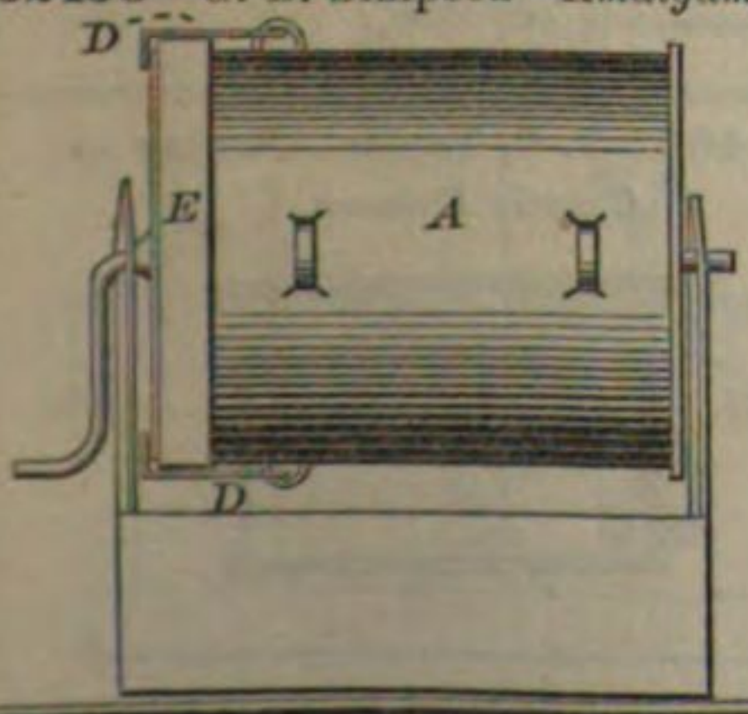
52455—T. Shaw—*Connecting Rod Joint.*

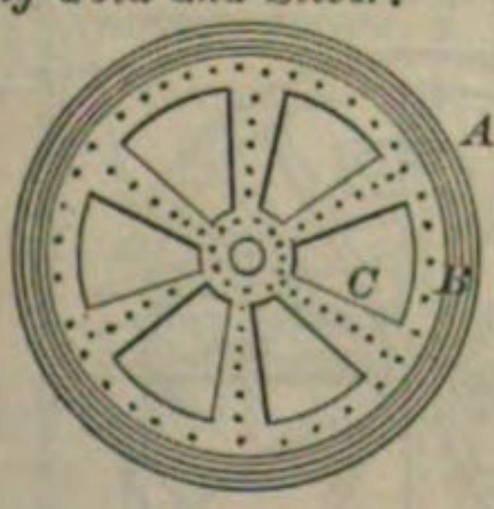


52454—J. F. Schuffencker—*Lubricating Vertical Shafts.*

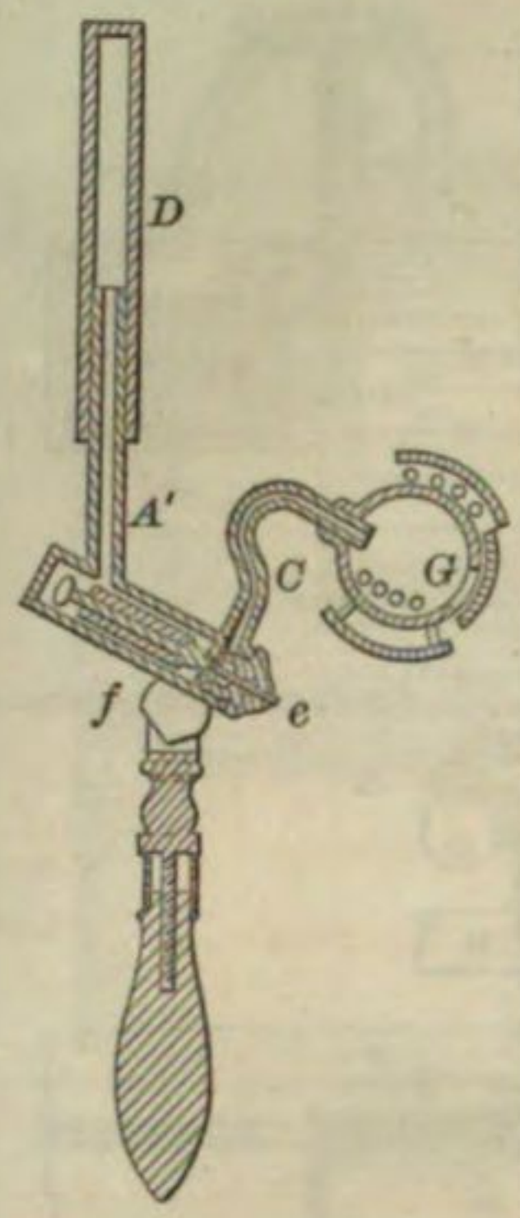


52456—G. B. Simpson—*Amalgamating Gold and Silver.*

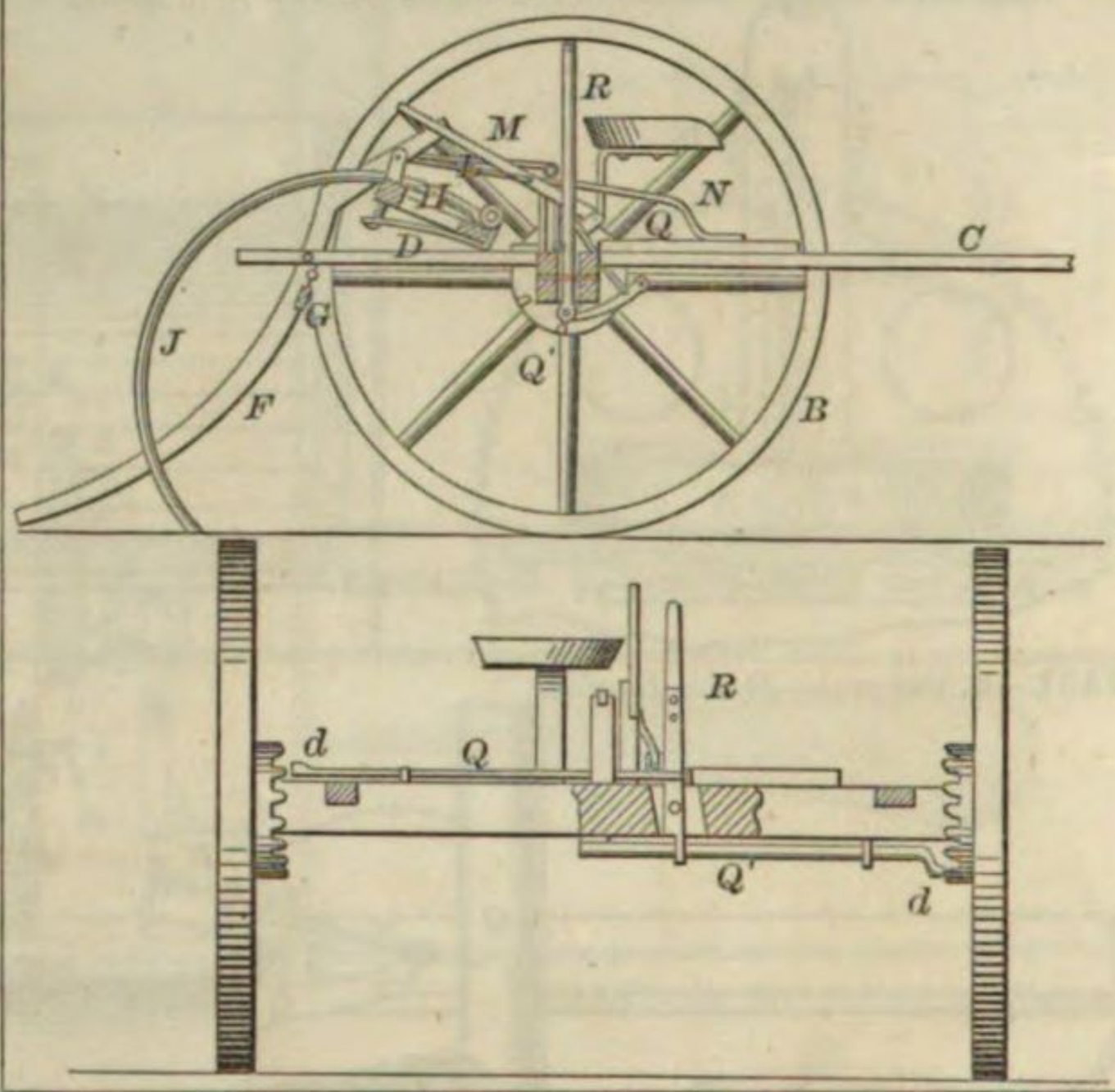




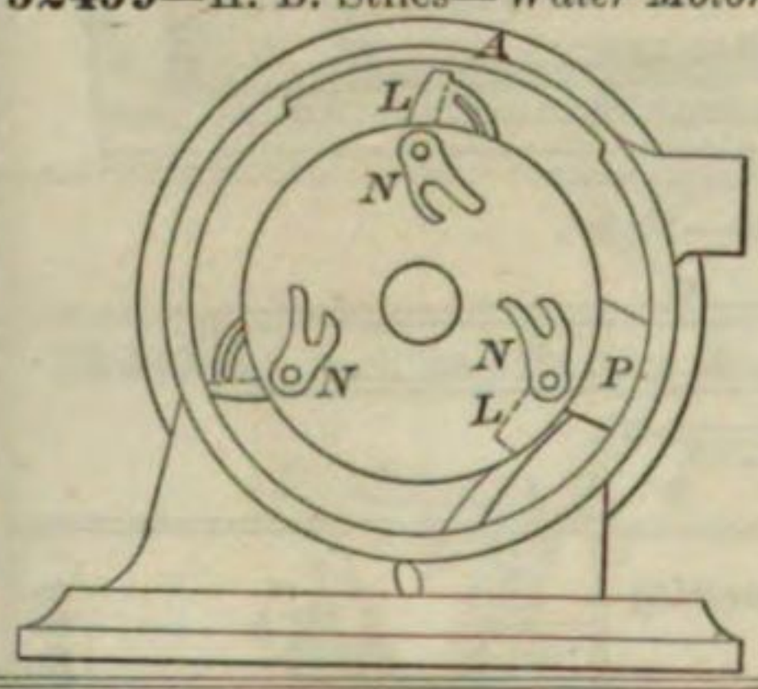
52457—Snow & Lewis—*Gas Jet Cigar Lighter.*



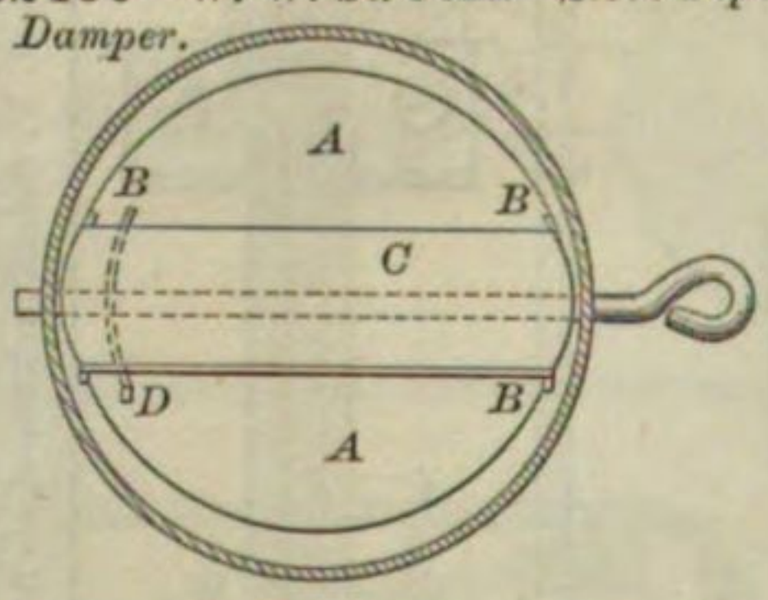
52458—F. Stewart—*Horse Rake.*



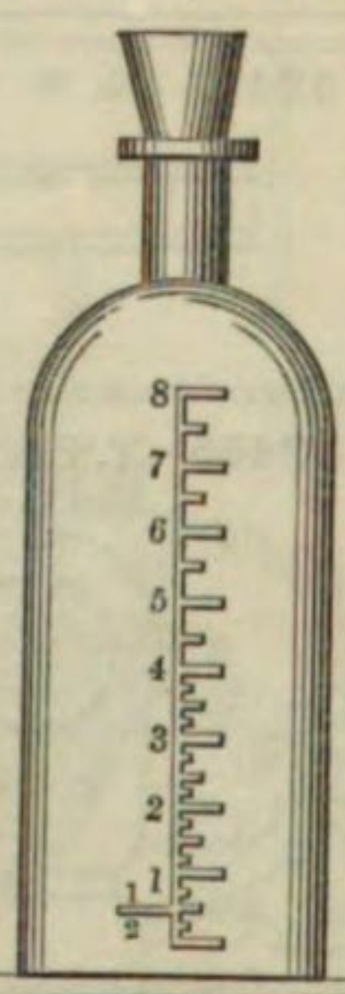
52459—H. B. Stiles—*Water Motor.*



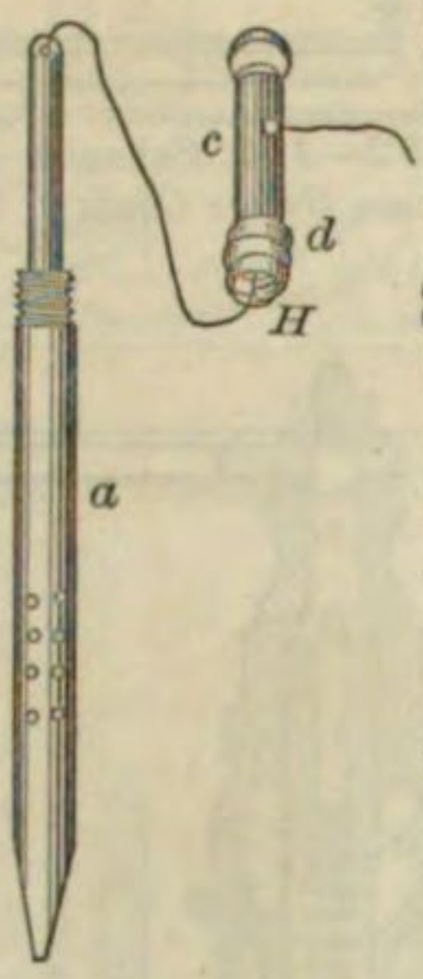
52460—W. W. St. John—*Stove Pipe Damper.*



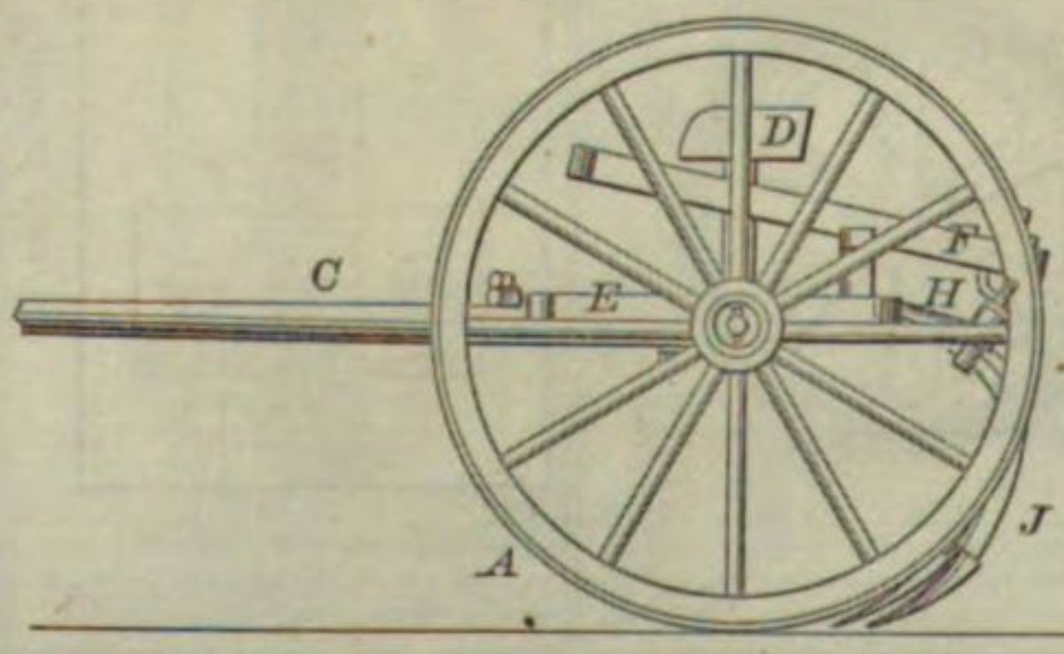
52461—G. W. Stoeckel—*Graduated Bottle.*



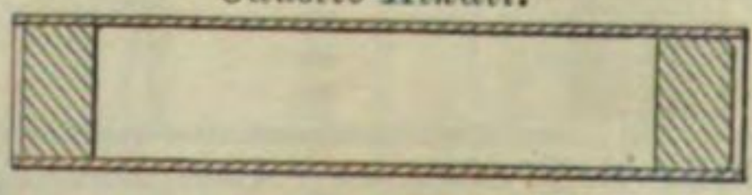
52463—J. Suggett—*Mode of Sinking Wells.*



52462—J. S. Stukey—*Corn Cultivator.*

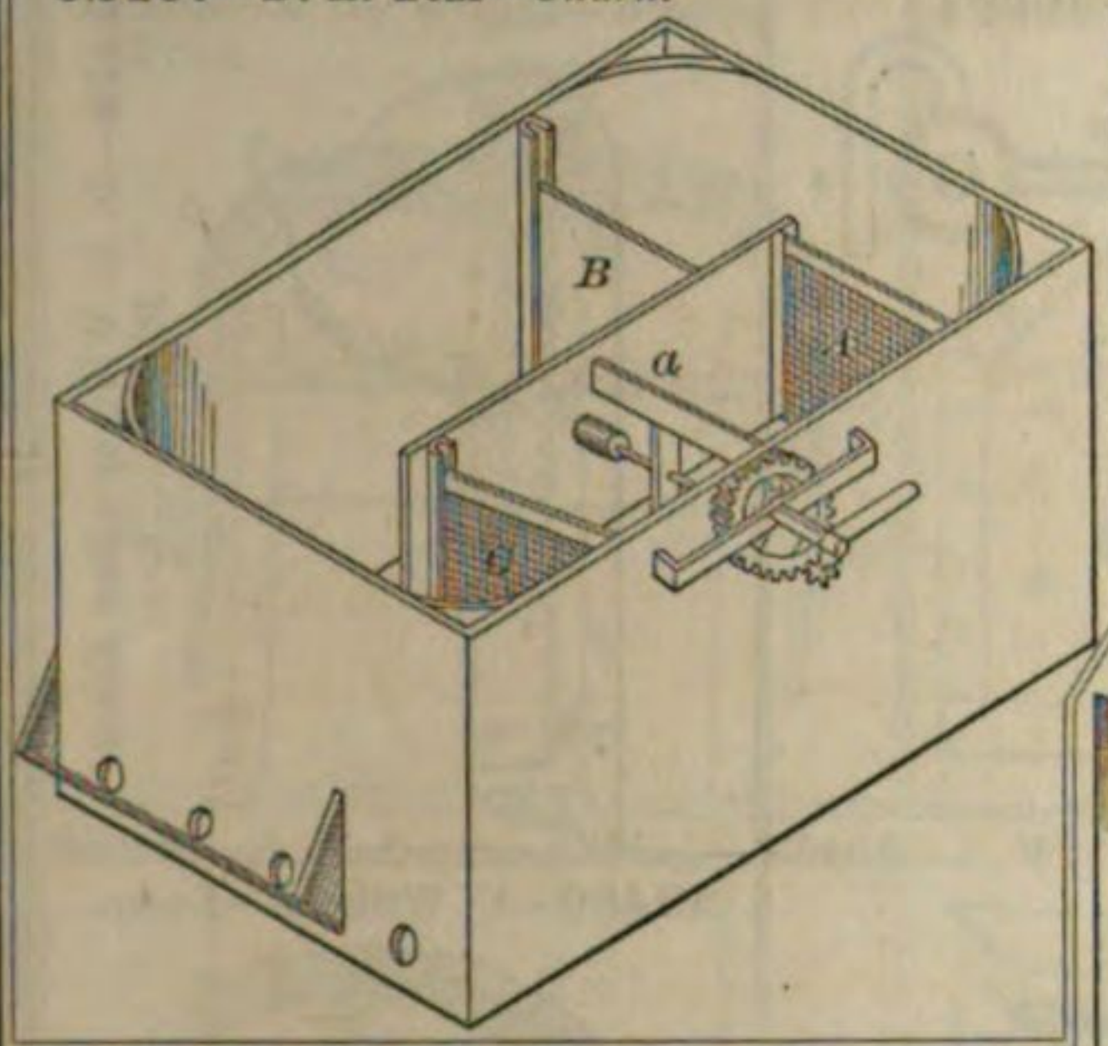


52465—T. C. Taylor—*Putting up Caustic Alkali.*

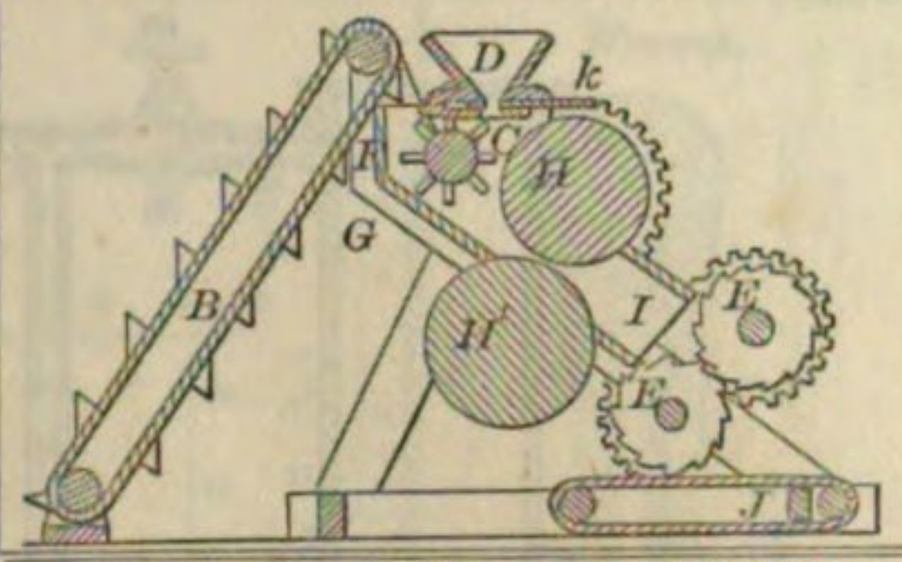


52466—T. C. Taylor—*Putting up Caustic Potassa.*

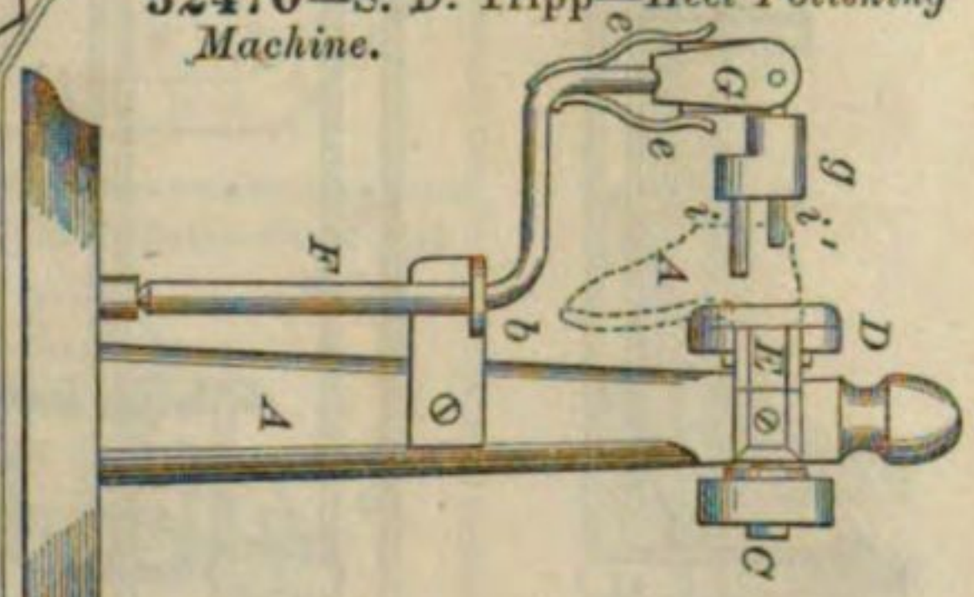
52467—D. E. Teal—*Churn.*



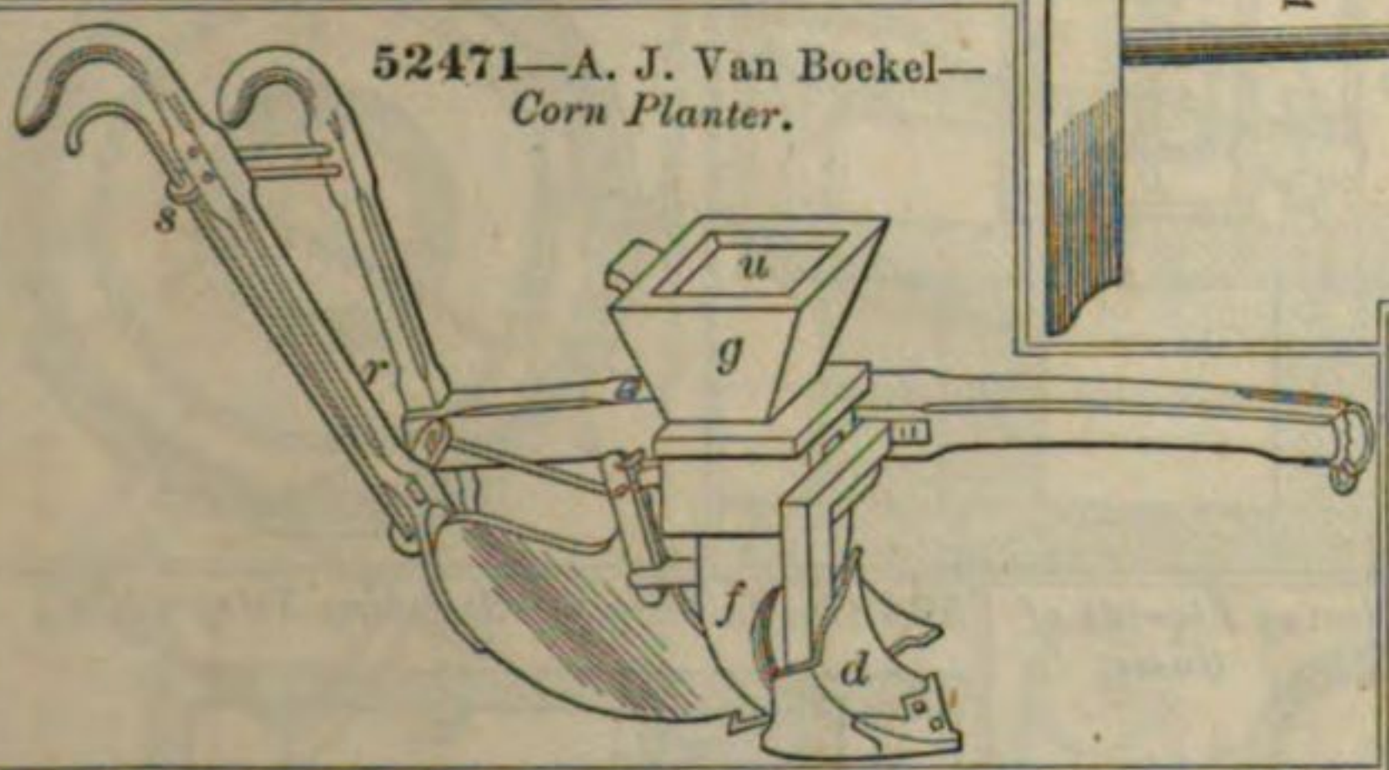
52472—T. J. Wells—*Peat Machine.*



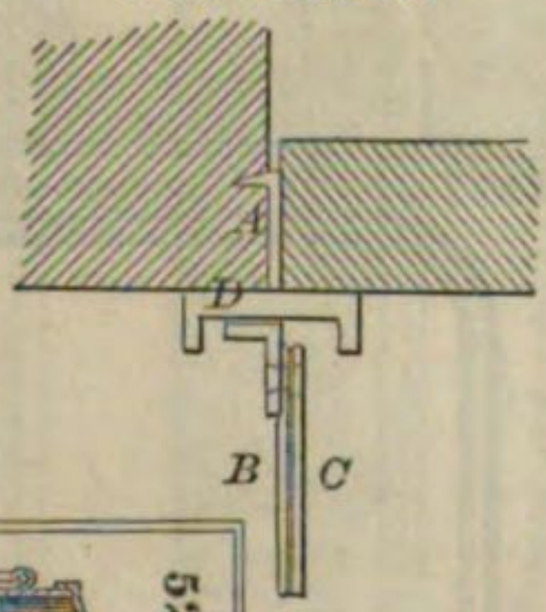
52470—S. D. Tripp—*Heel Polishing Machine.*



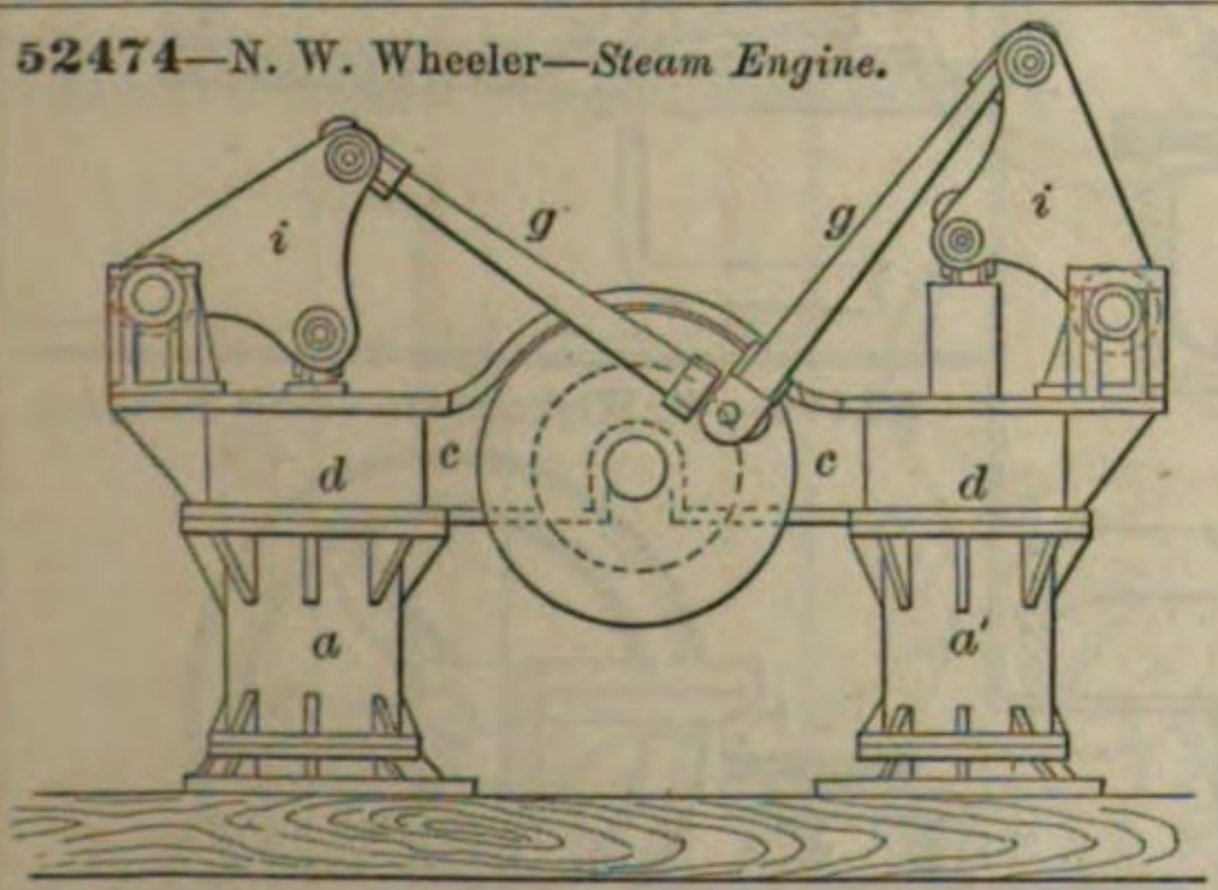
52471—A. J. Van Boekel—*Corn Planter.*



52469—G. E. Thompson—*Door Fastener.*



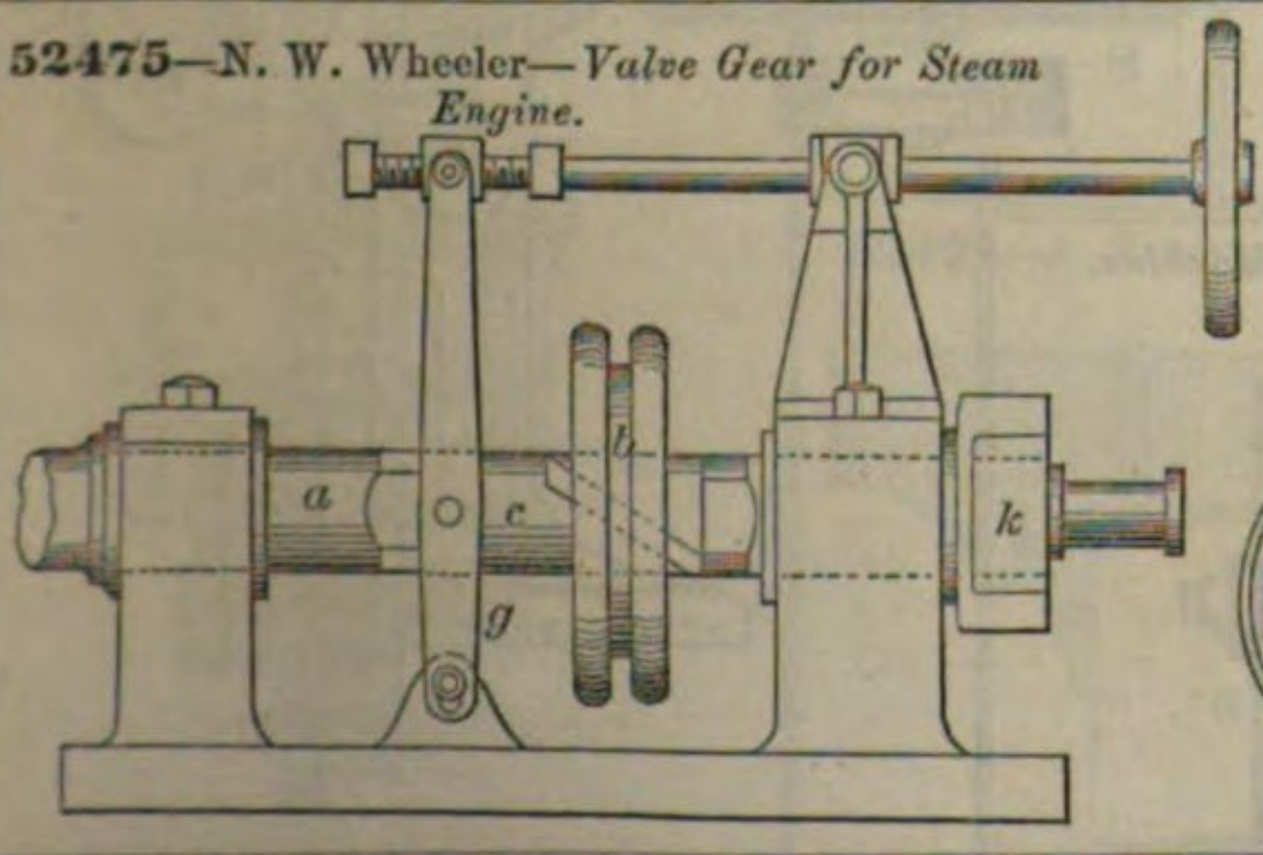
52474—N. W. Wheeler—*Steam Engine.*

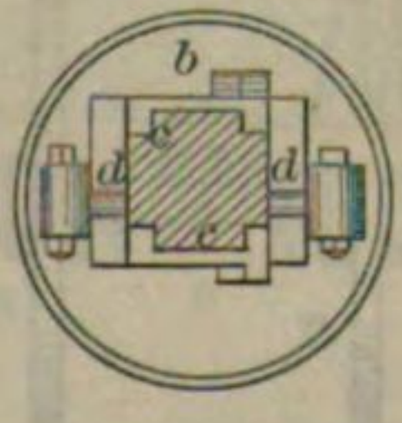


52468—K. Thoman—*Canteen and Lunch Box.*

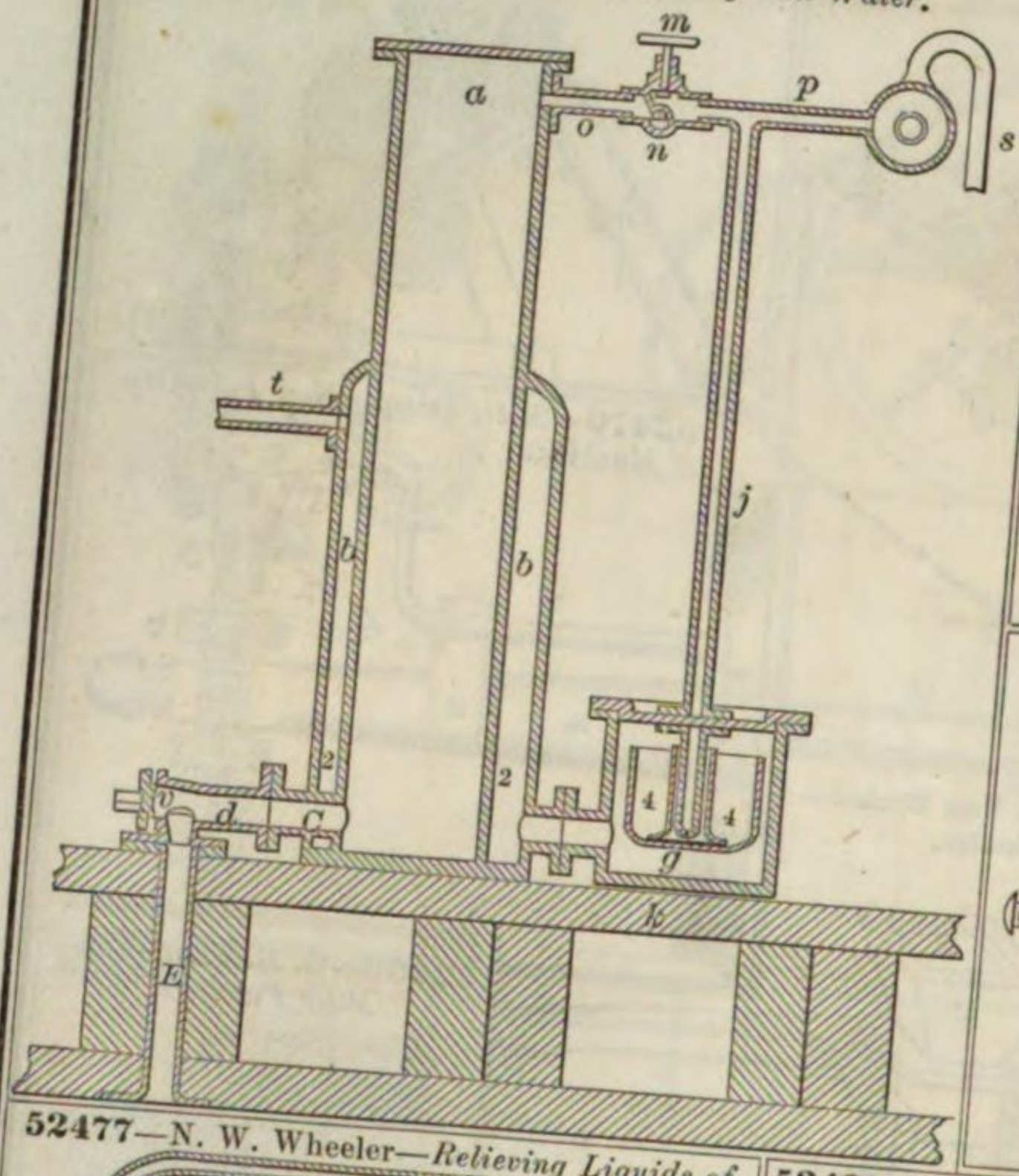
52473—J. A. Welsh—*Blind Splint Machine.*

52475—N. W. Wheeler—*Valve Gear for Steam Engine.*

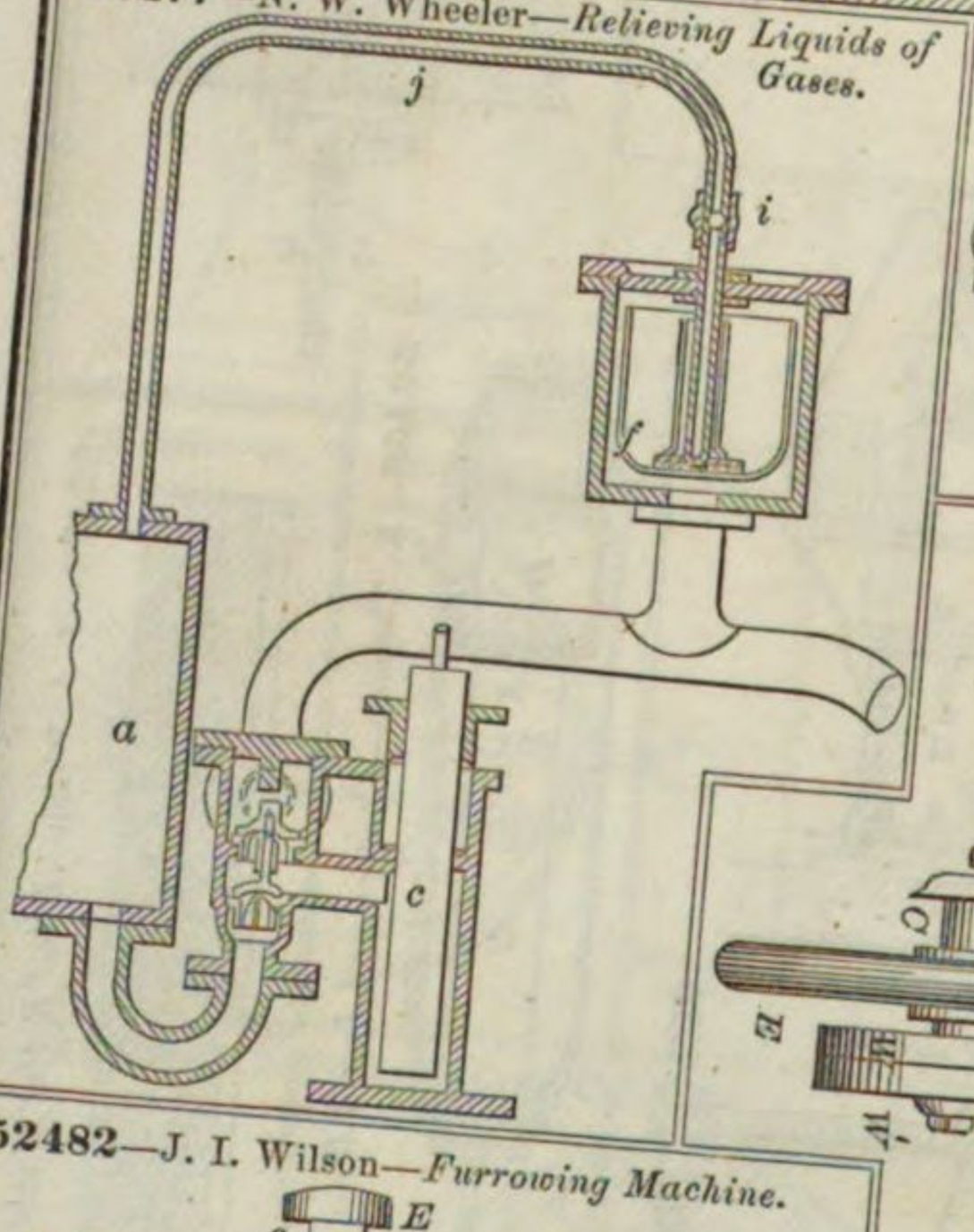




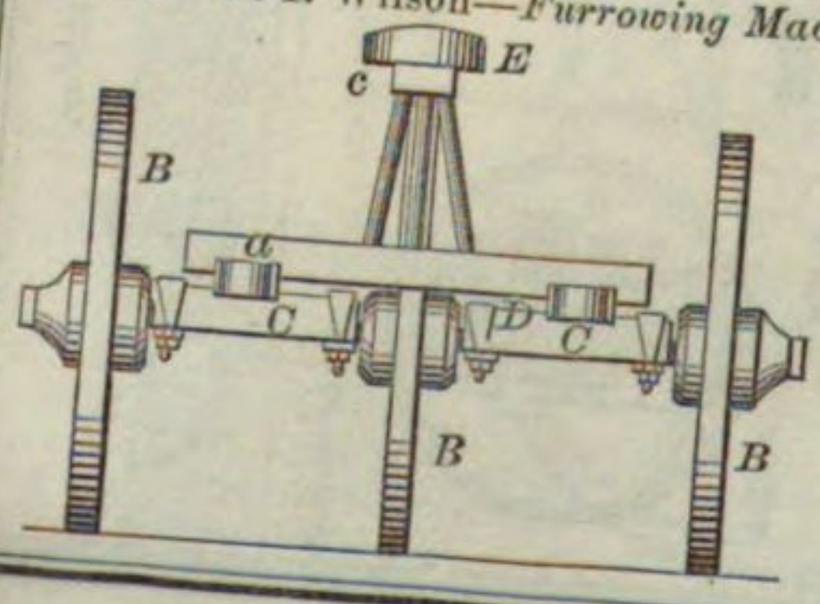
52476—N. W. Wheeler—*For Distilling Salt Water.*



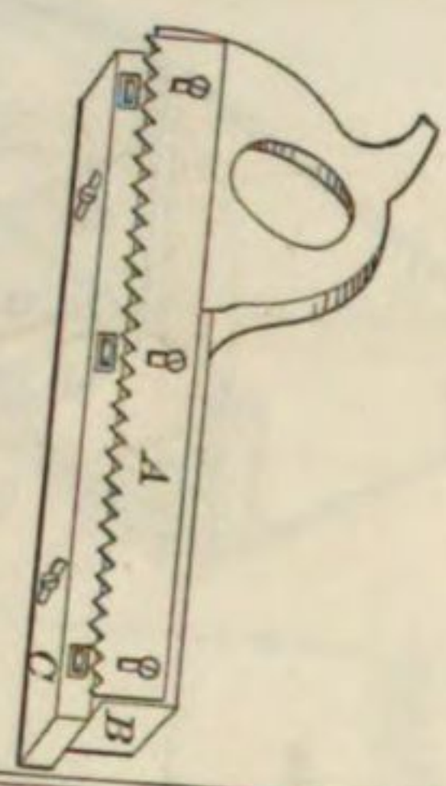
52477—N. W. Wheeler—*Relieving Liquids of Gases.*



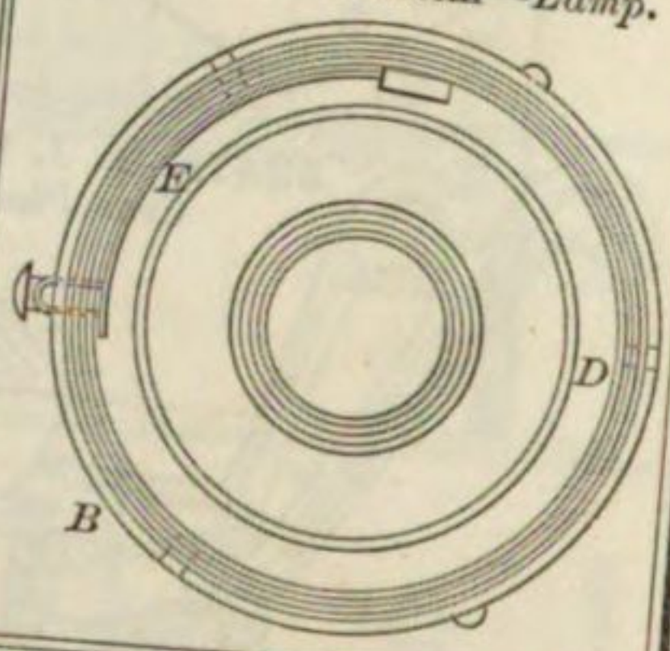
52482—J. I. Wilson—*Furrowing Machine.*



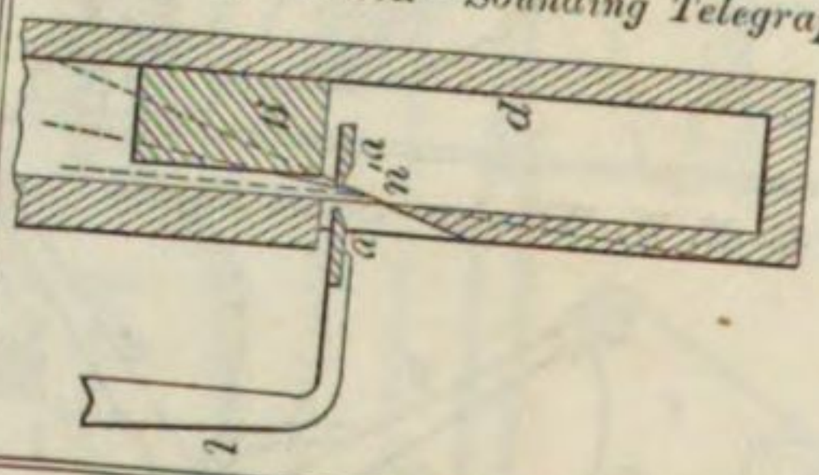
52478—D. D. Whitker—*Saw Rebate Plane.*



52480—C. Wilhelm—*Lamp.*



52481—E. Wilson—*Sounding Telegraph.*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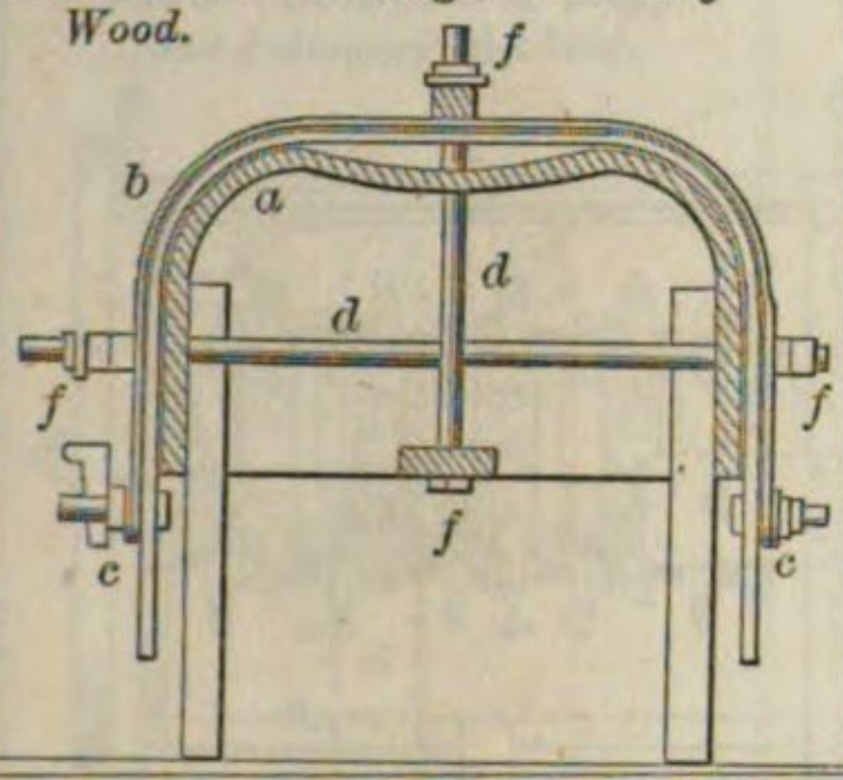
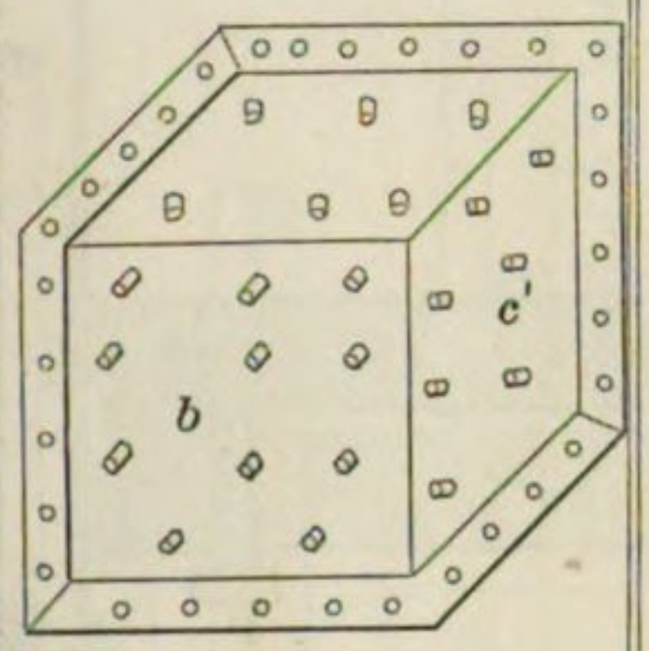
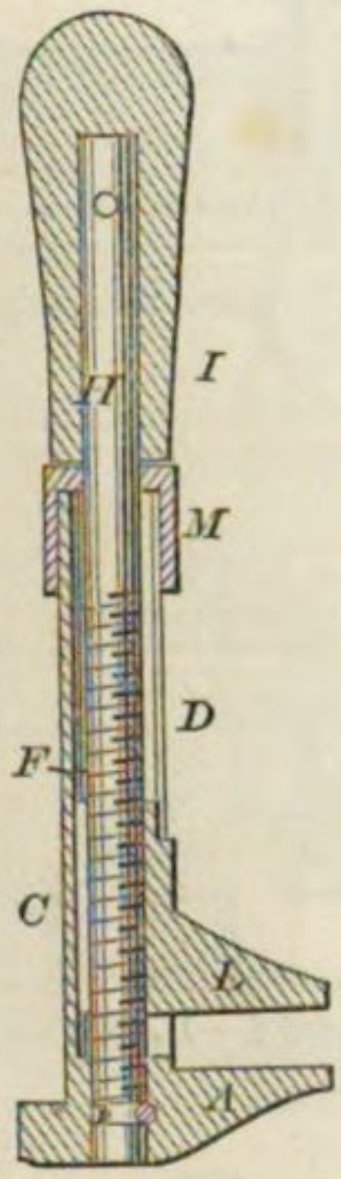
52483—W C. Wright—*Bending Wood.*



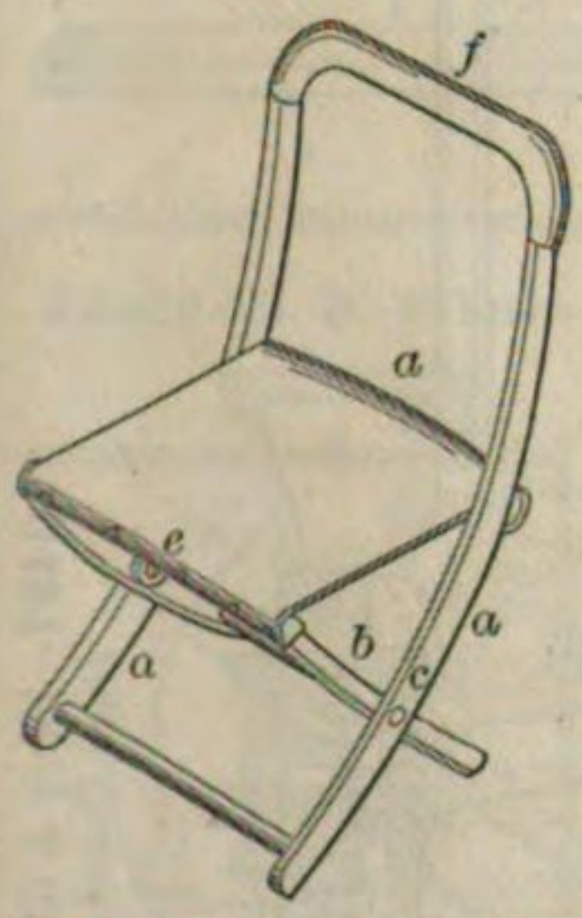
52484—L. Yale, Jr.—*Safe.*



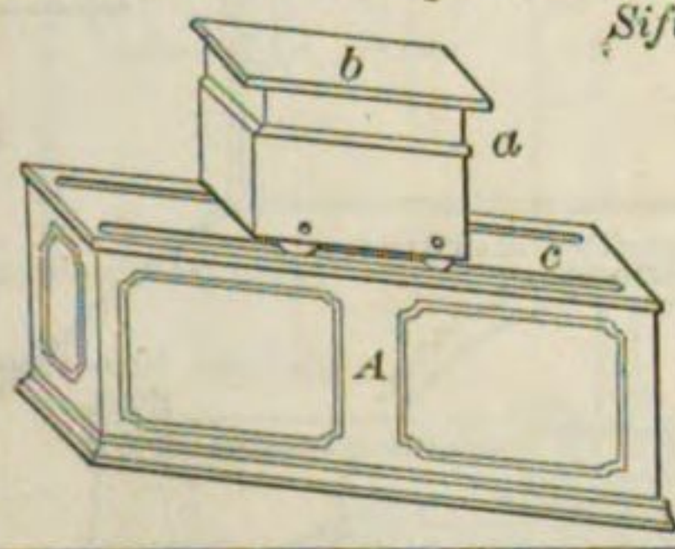
52487—J. C. Conner—*Wrench.*



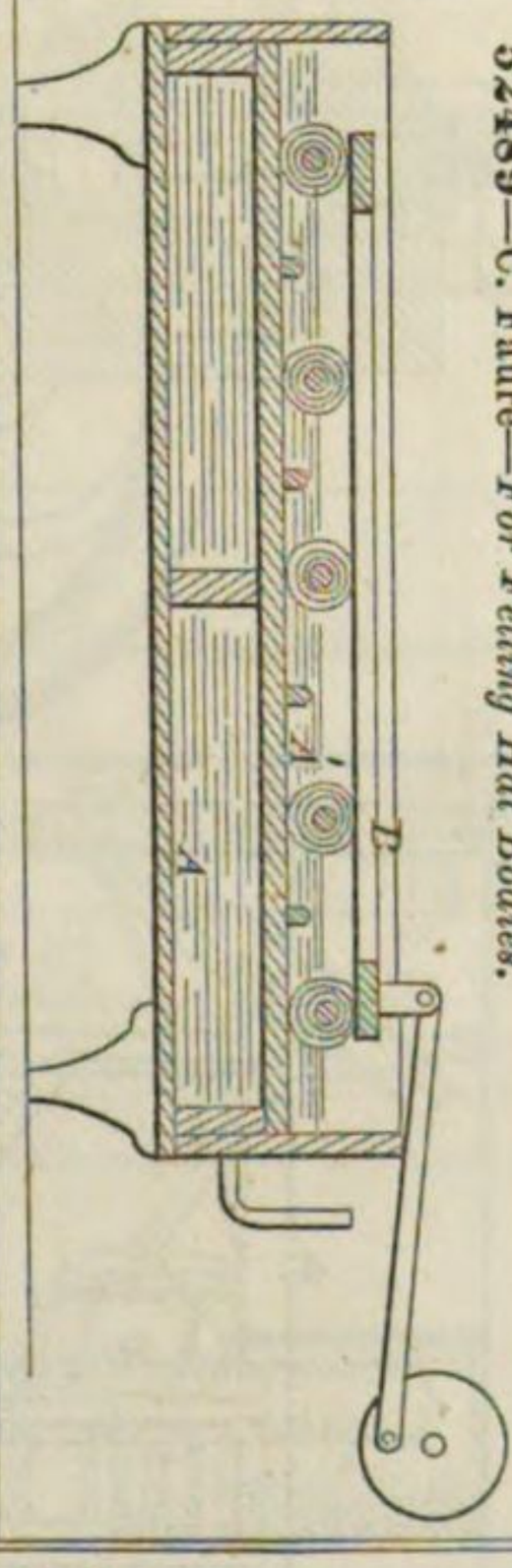
52488—I. N. Dann—*Folding Chair.*



52486—J. W. Campbell—*Coal Ash Sifter.*

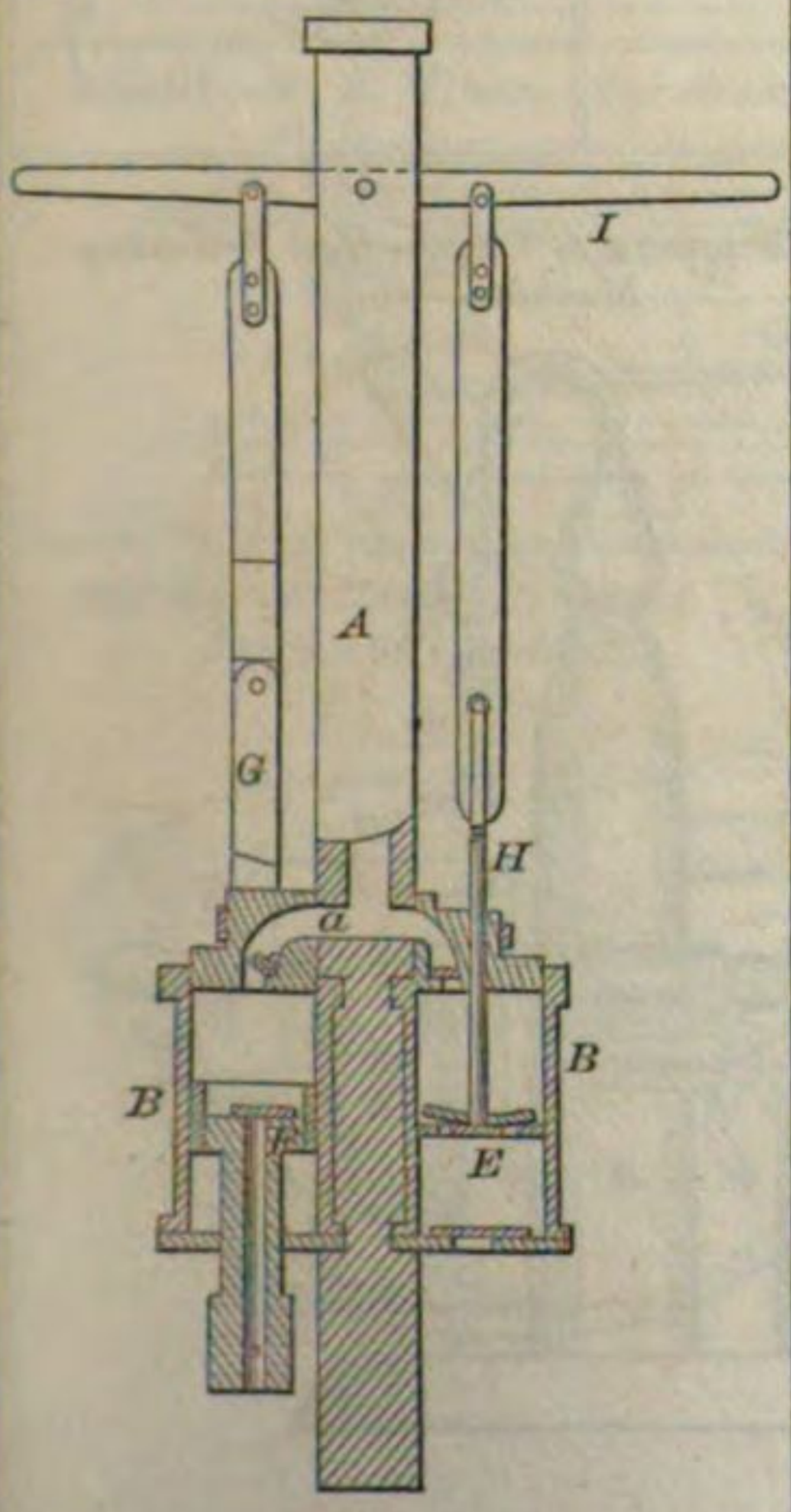


52489—C. Faure—*For Felting Hat Bodies.*

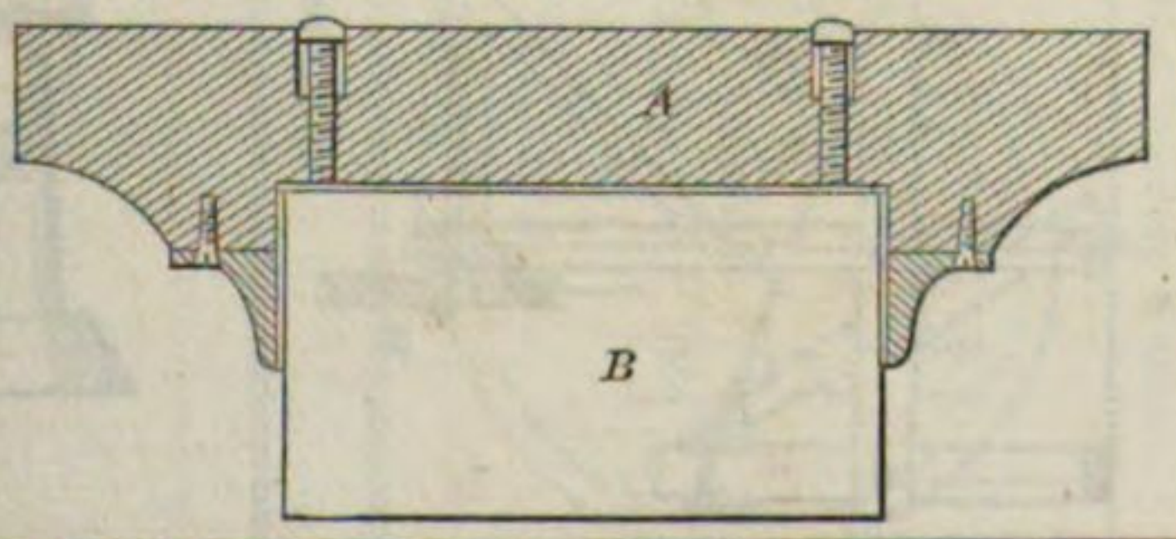


52492—J. Hollingsworth—*Sash Lock.*

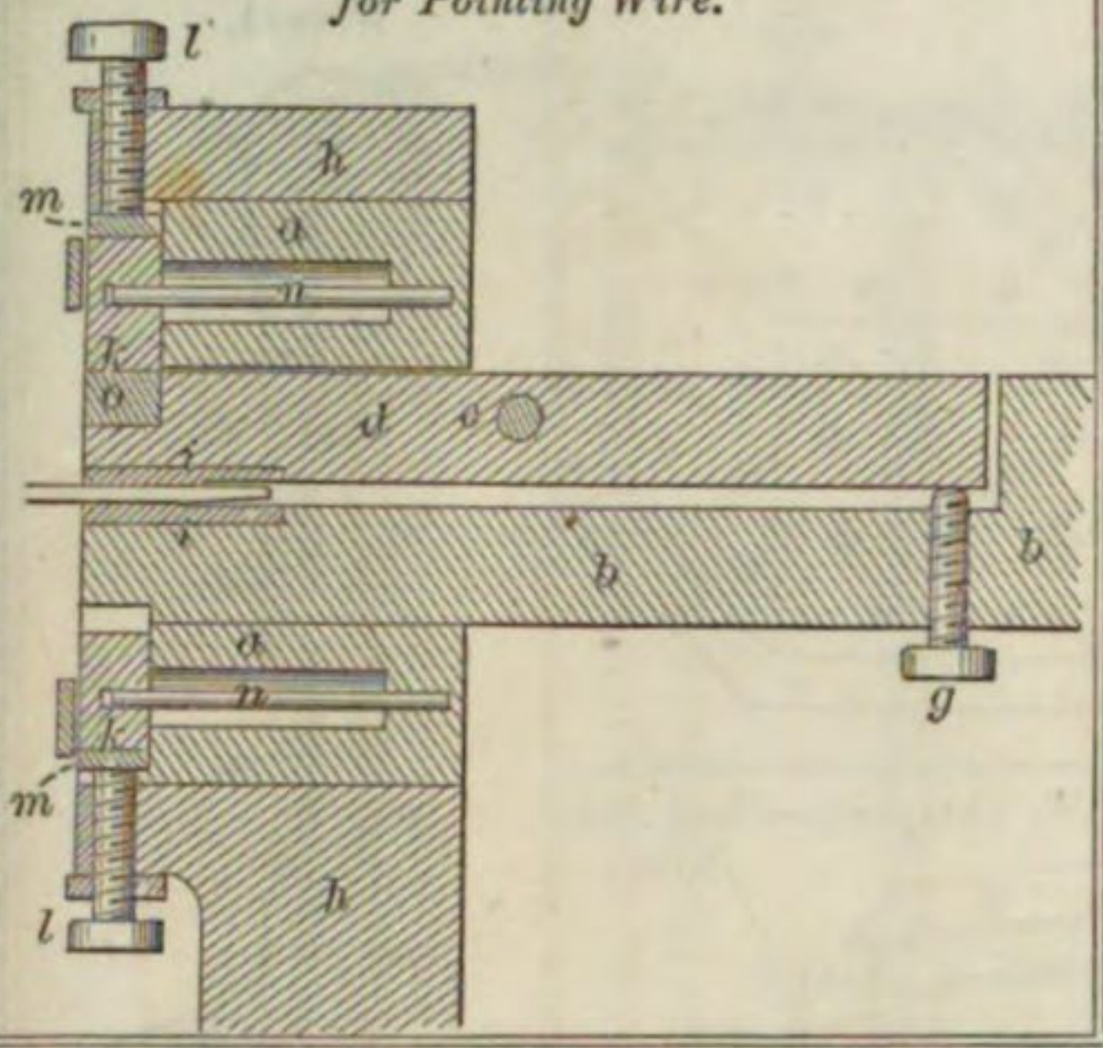
52485—L. Beemer—*Pump.*



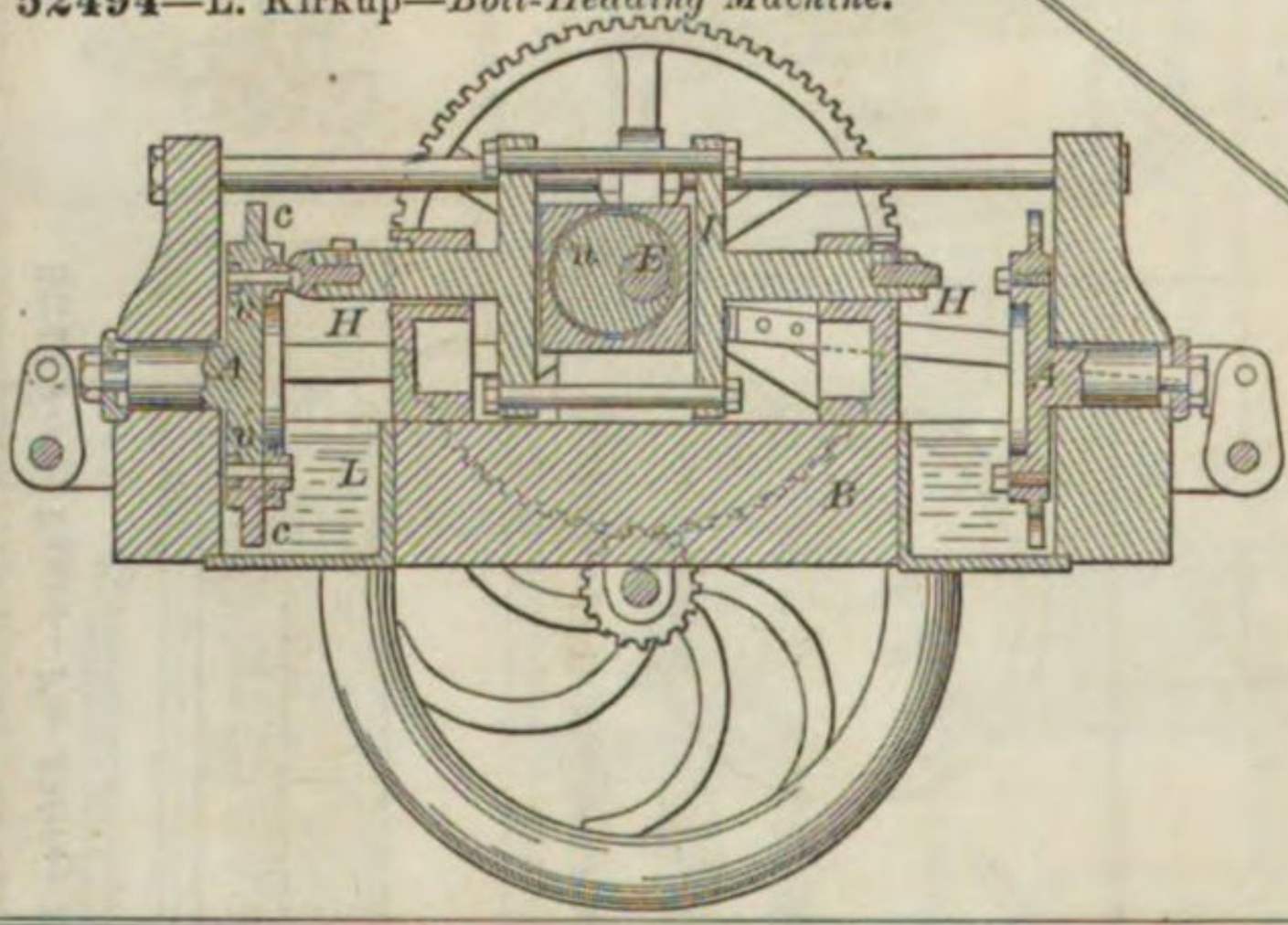
52491—J. Hankey—*Currier's Scourer.*



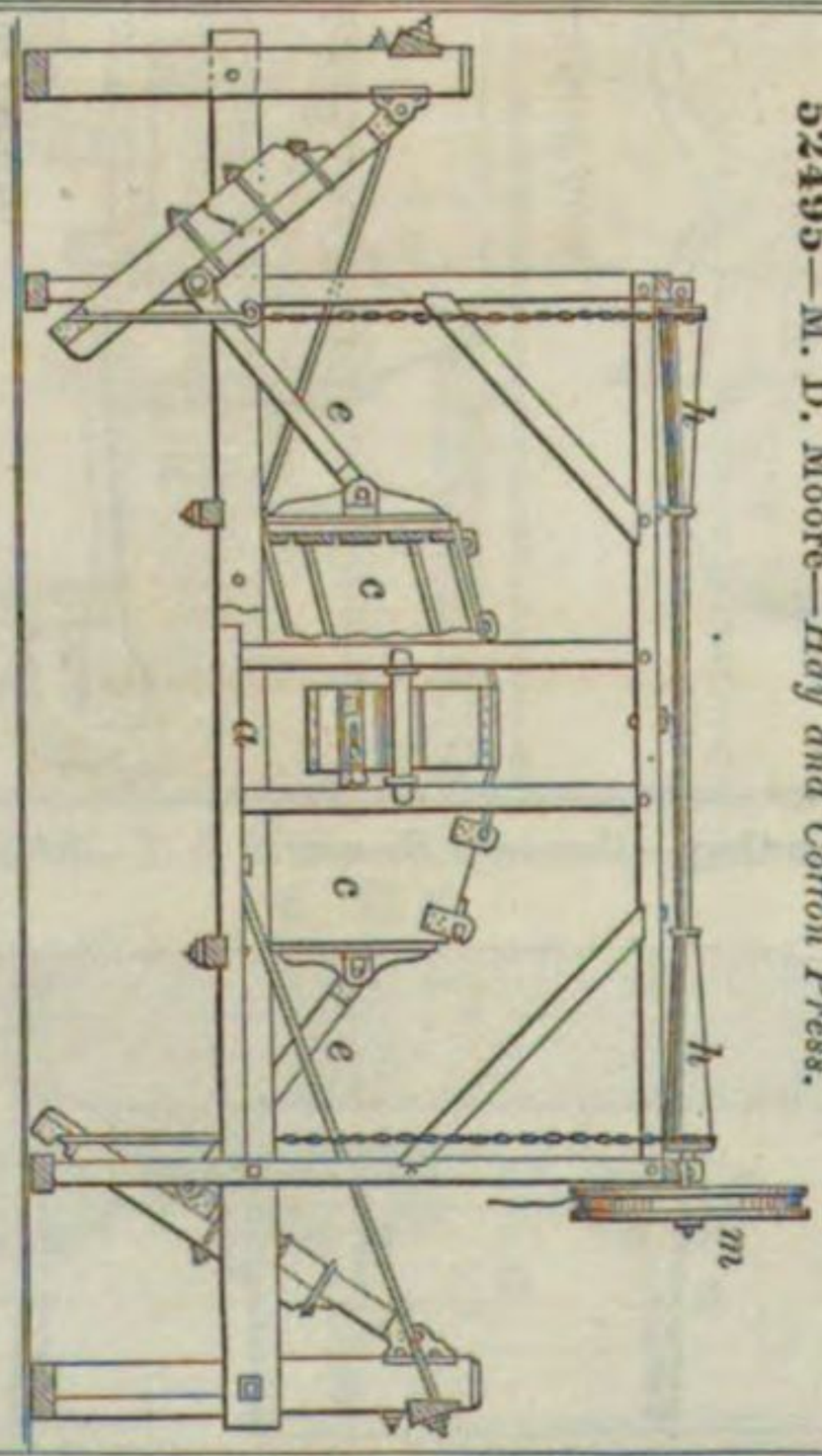
52493—Hopson, Manville & Brooks—*Machine for Pointing Wire.*



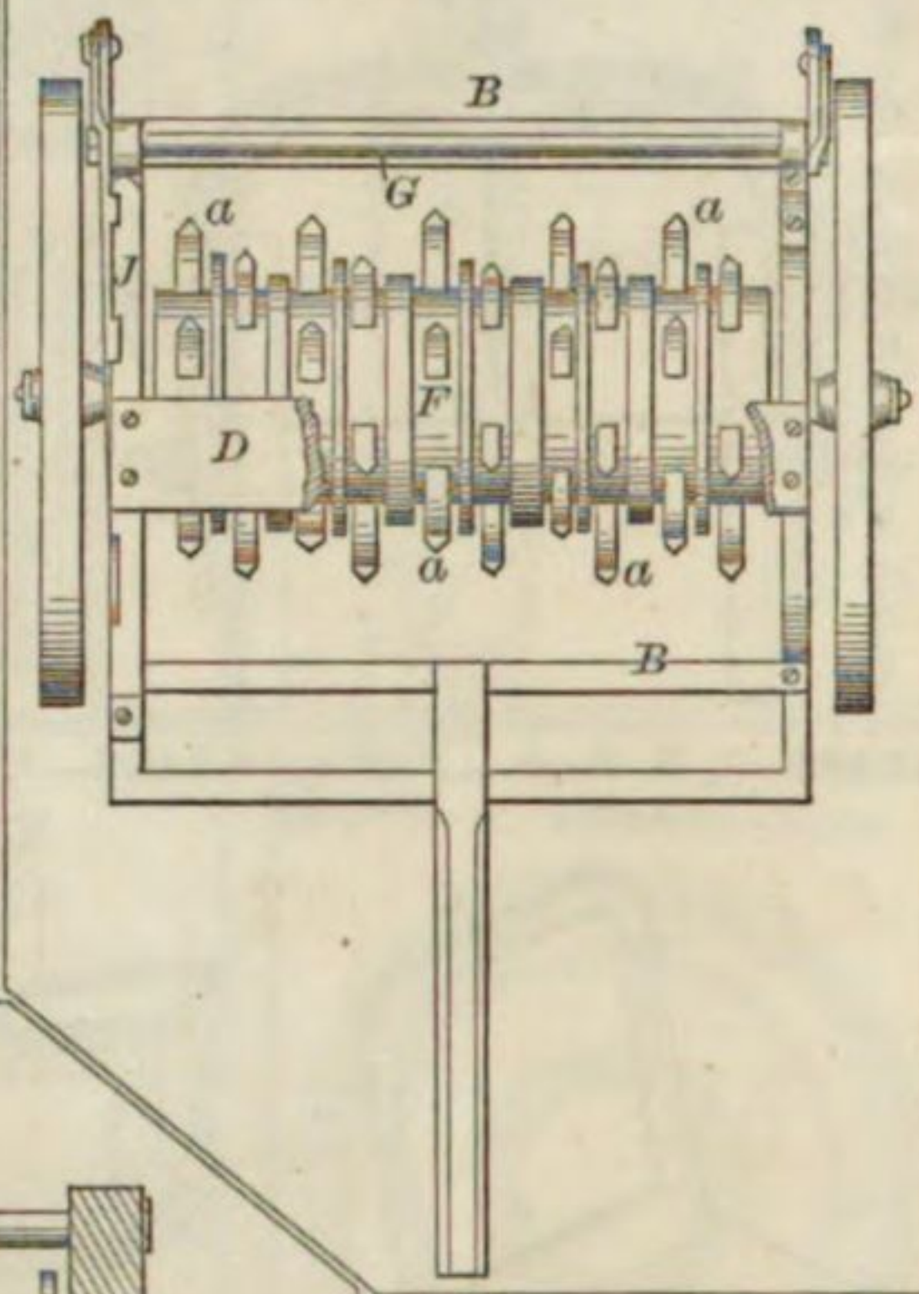
52494—L. Kirkup—*Bolt-Heading Machine.*



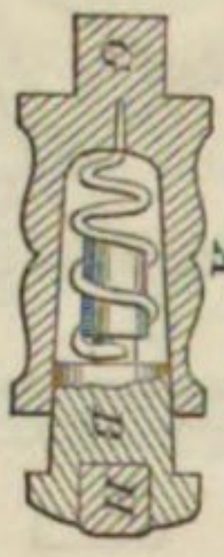
52495—M. D. Moore—*Hay and Cotton Press.*



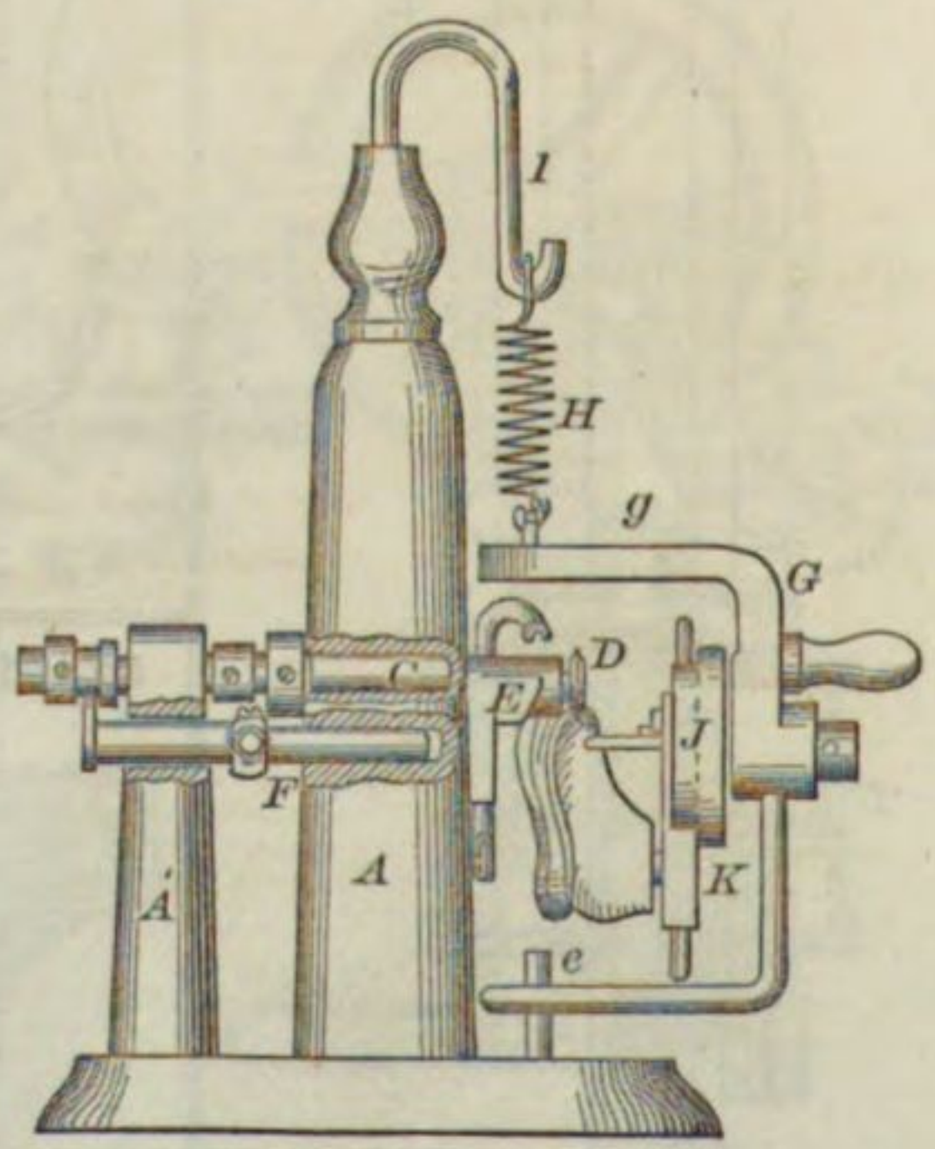
52496—D. Myers—*Rotary Plow.*



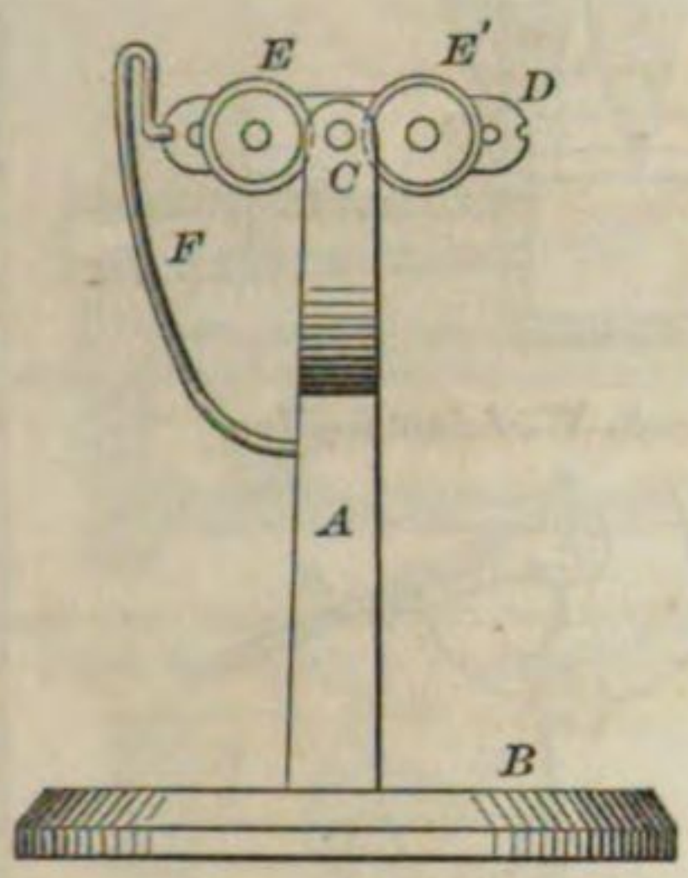
52497—Perry & Gladding—*Door Guard.*



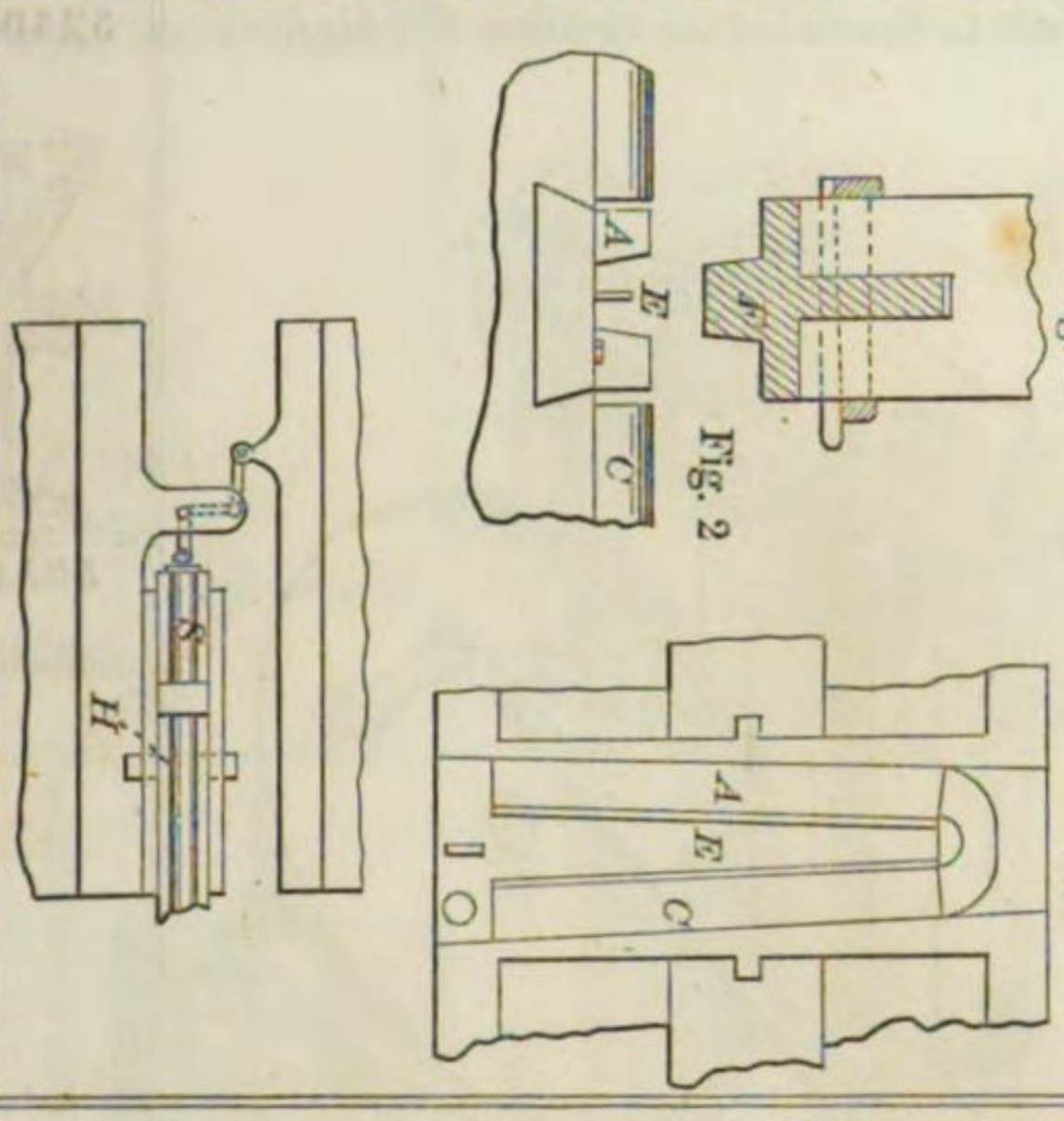
52498—Thompson & Tripp—*Heel Polishing Machine.*



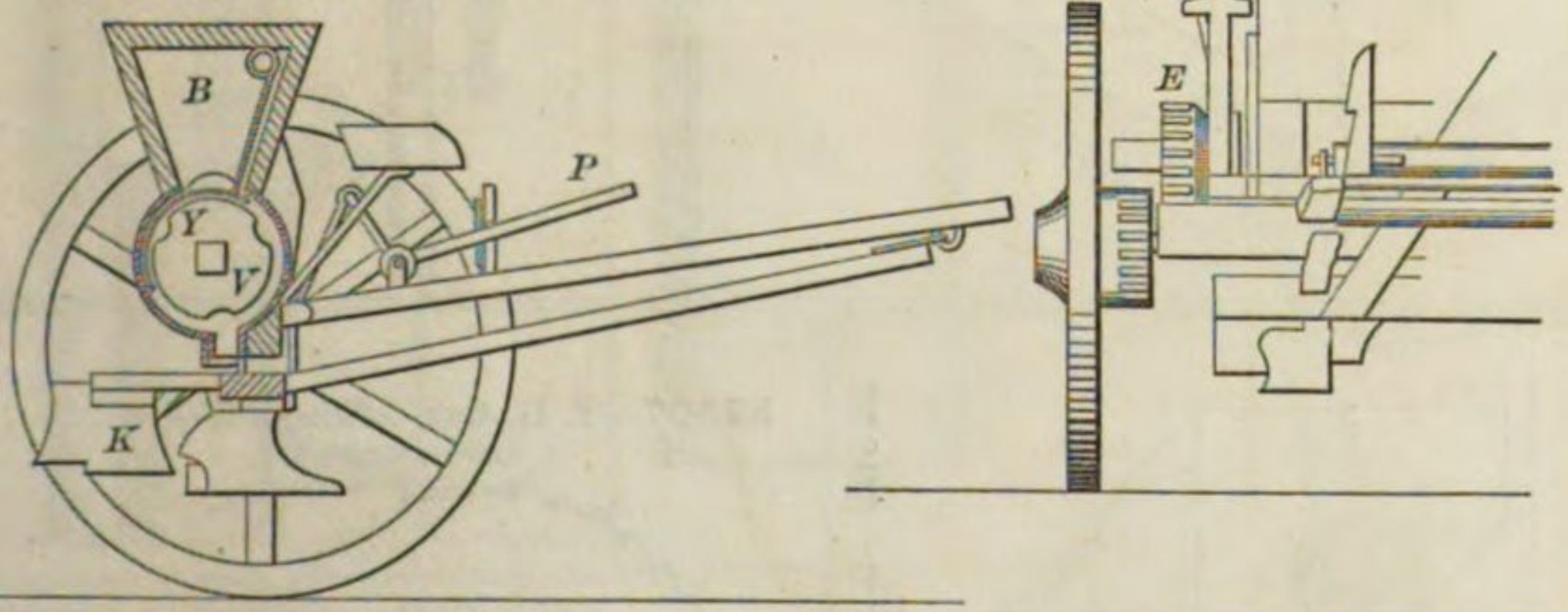
52499—Thompson & Tripp—*—Heel Polishing Machine.*



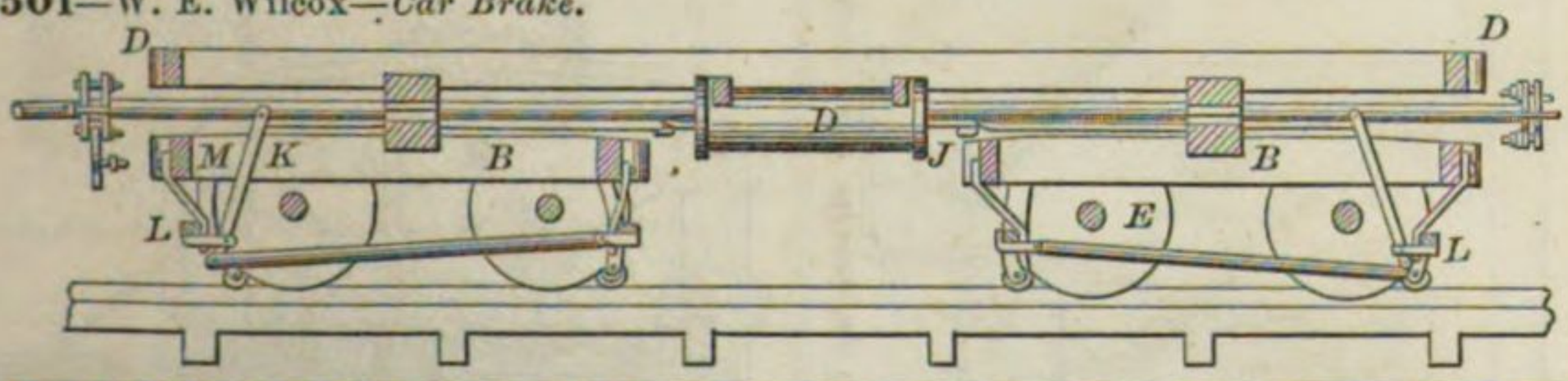
52502—H. Baines—*For Welding Ends of Railroad Rails.*



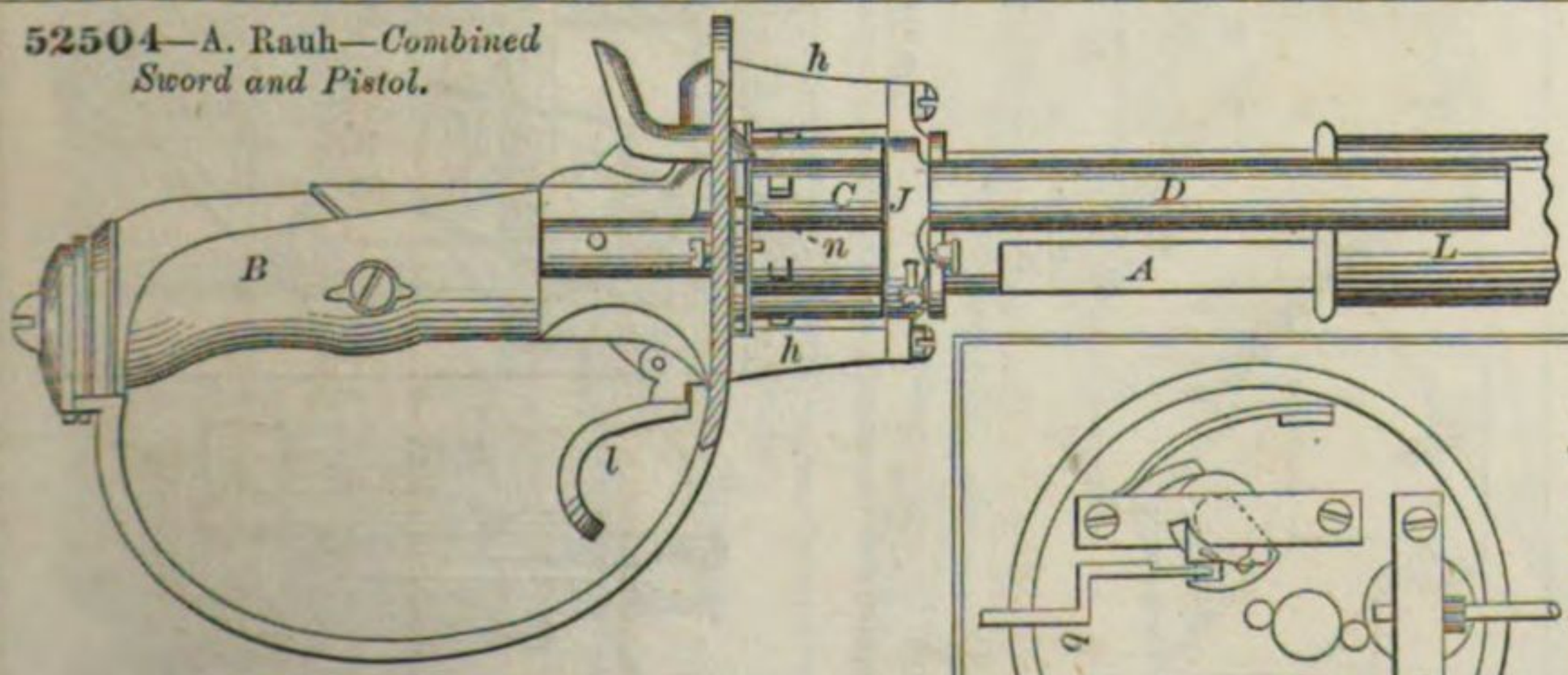
52500—H. H. Webster—*Planter and Seeder.*



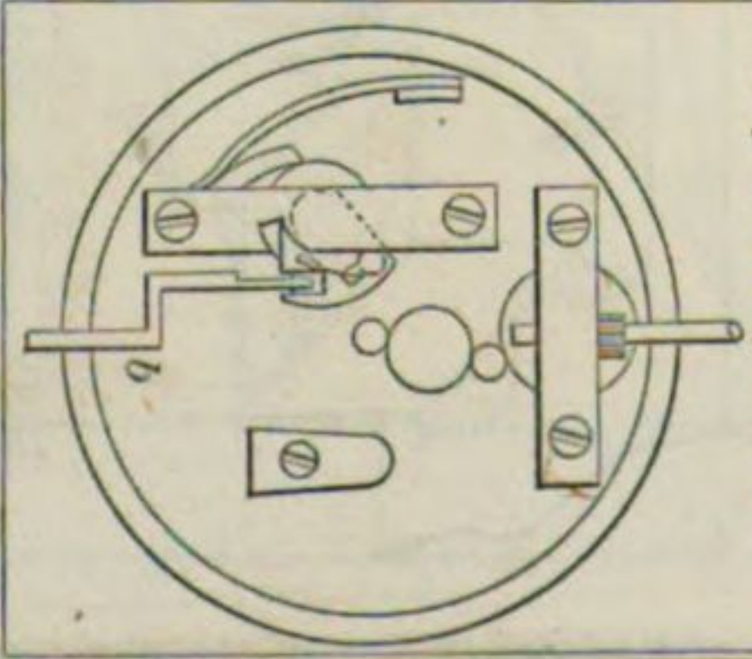
52501—W. E. Wilcox—*Car Brake.*



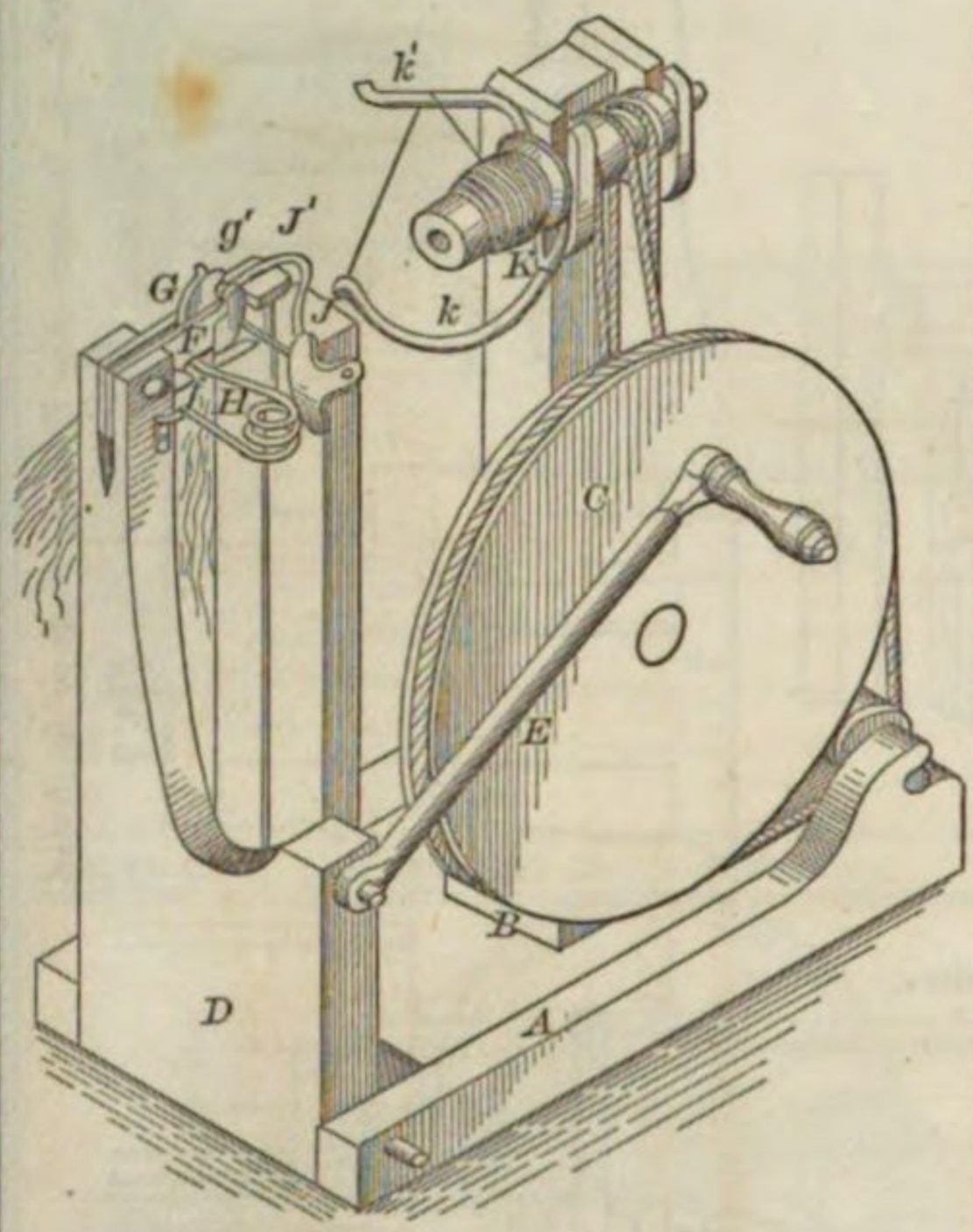
52504—A. Rauh—*Combined Sword and Pistol.*



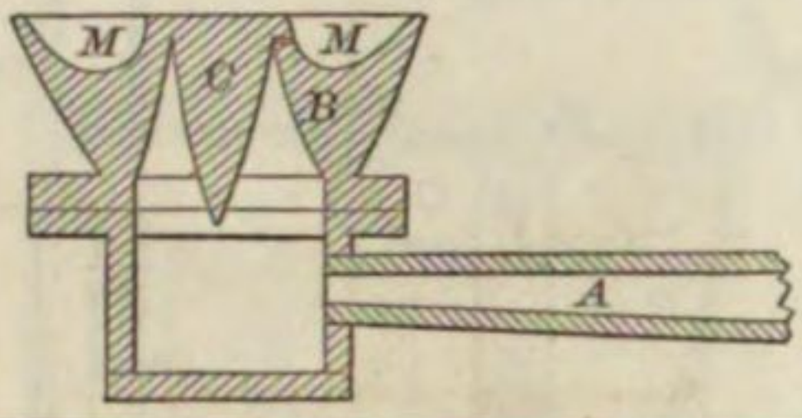
52505—F. R. Theurer—*Self-Winding Watch.*



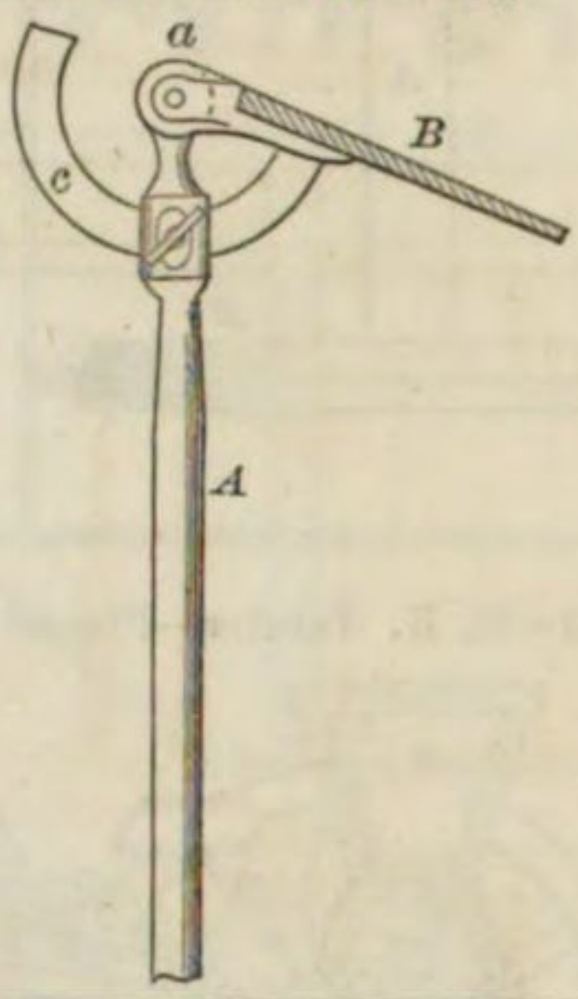
52506—L. Skeels—*Flax Spinning Machine.*



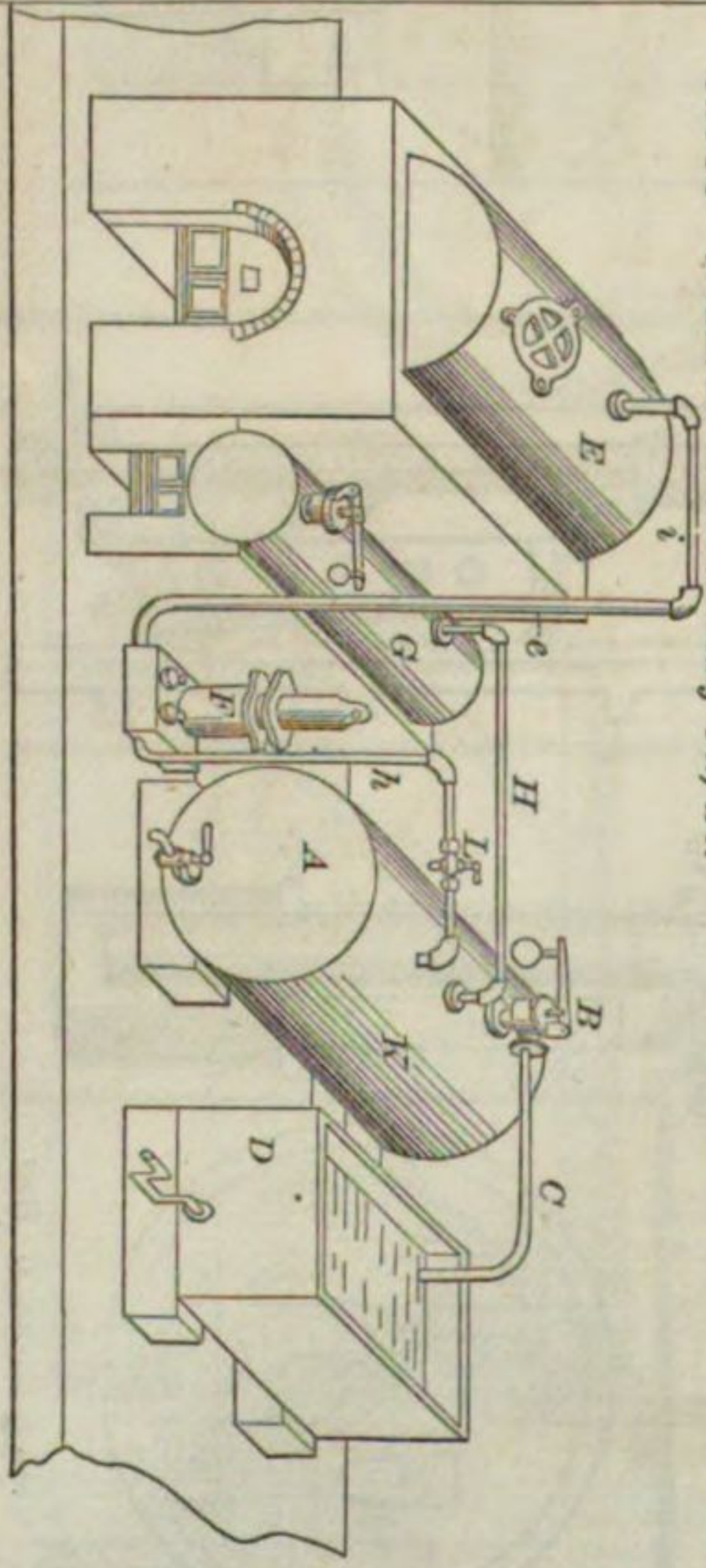
52508—E. Koons—*Tuyere.*



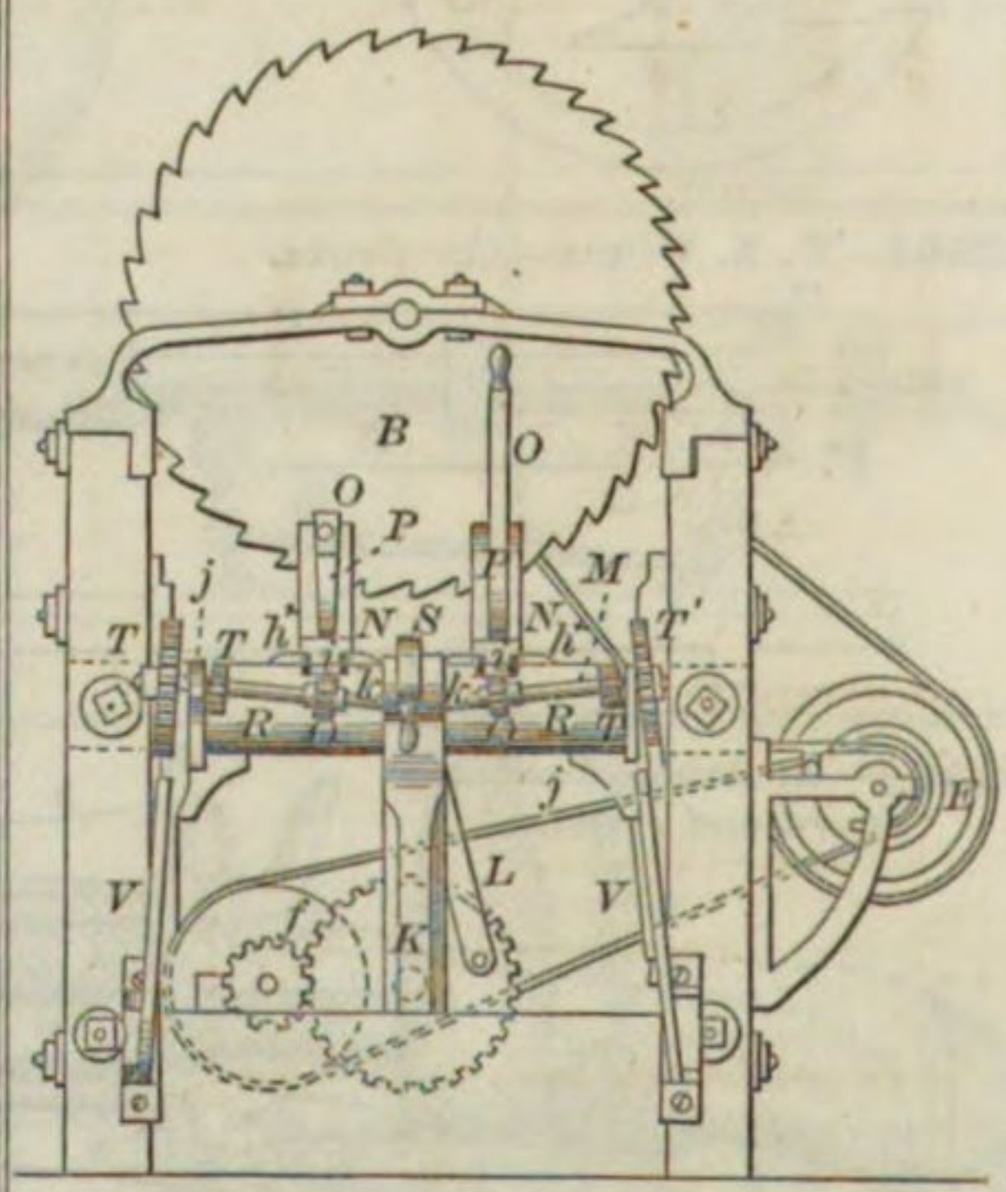
52510—S. W. Adams—*Hoe.*

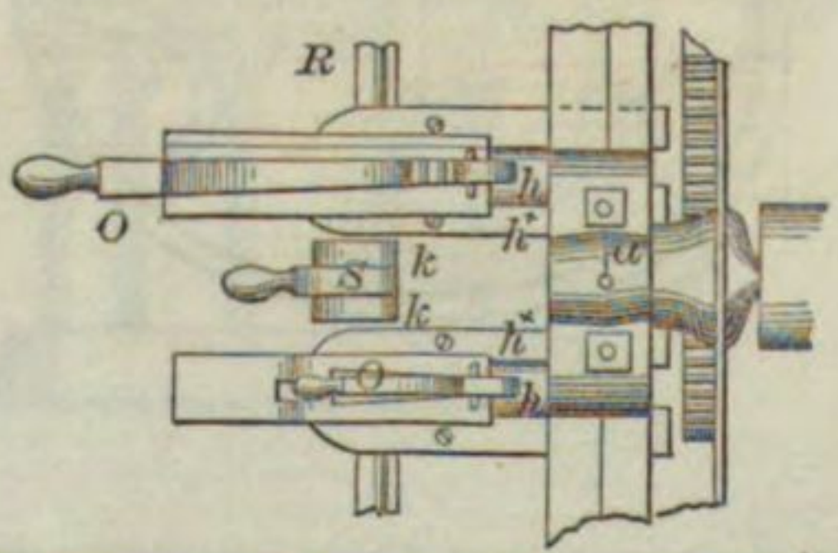


52509—C. Adams—*For Bleaching Oil, &c.*

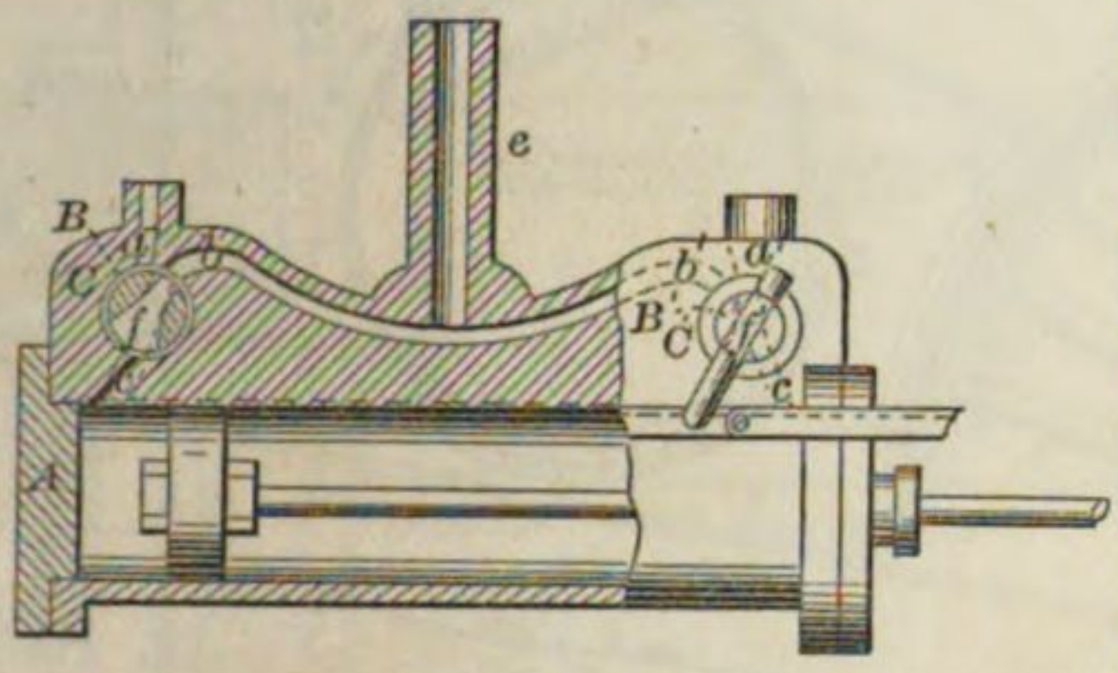


52507—T. H. Cox—*Shingle Mill.*

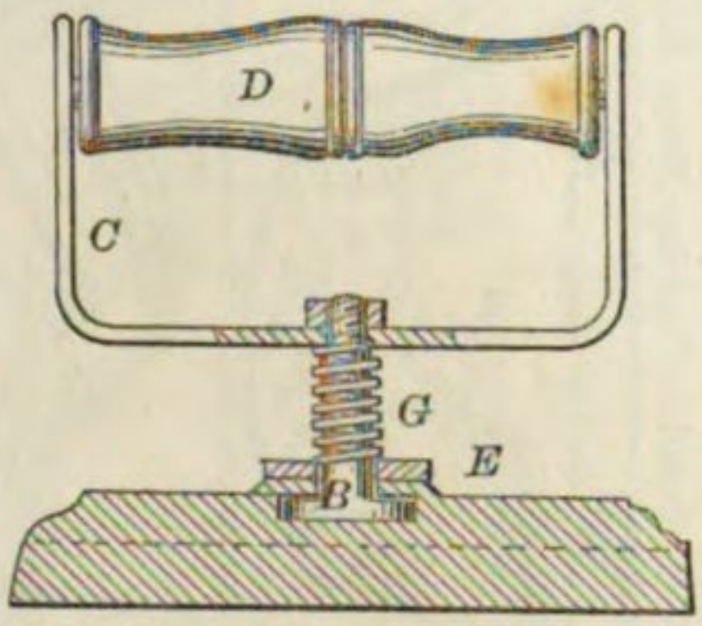




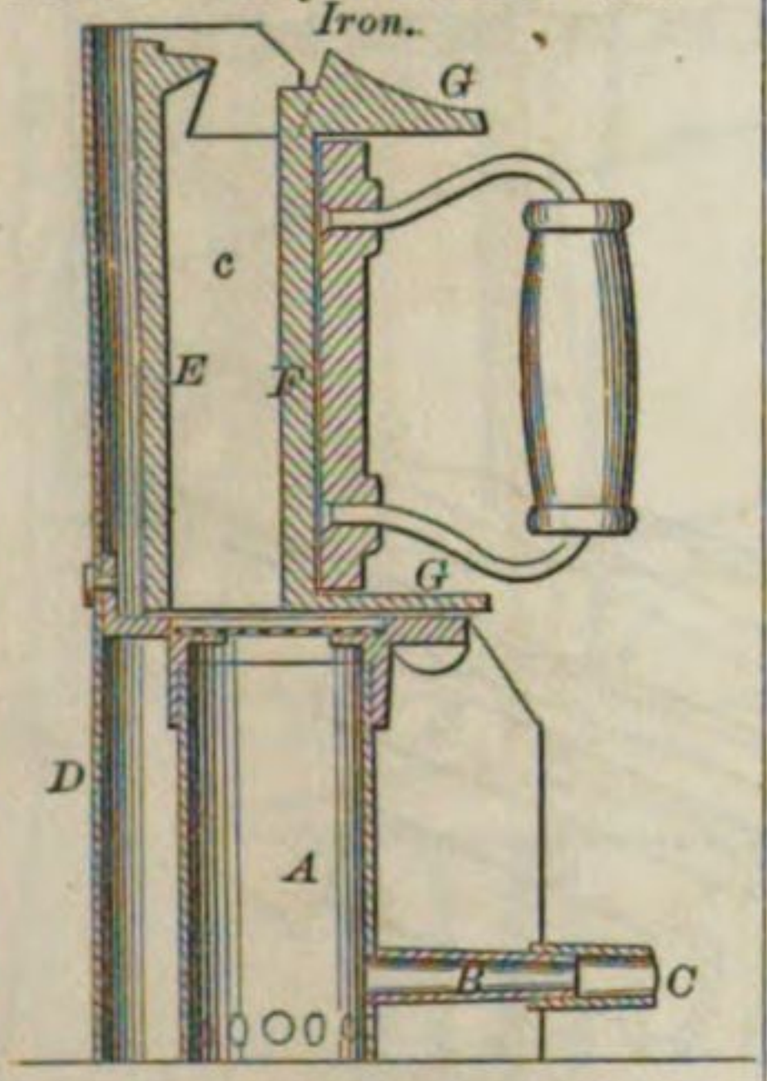
52511—W. H. Akins—*Plug Valve for Steam Engine.*



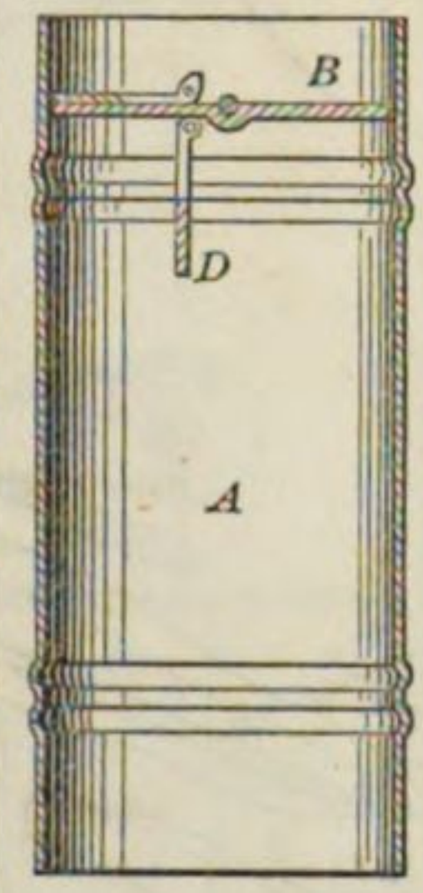
52512—J. Alexander—*Flat Iron.*



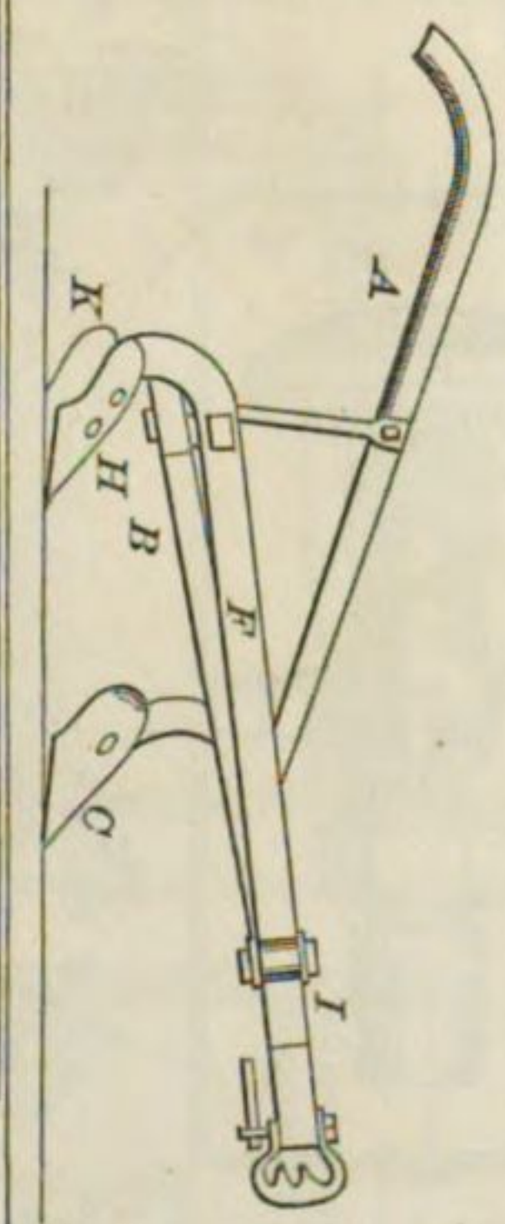
52513—Barry & Preston—*Sad Iron.*



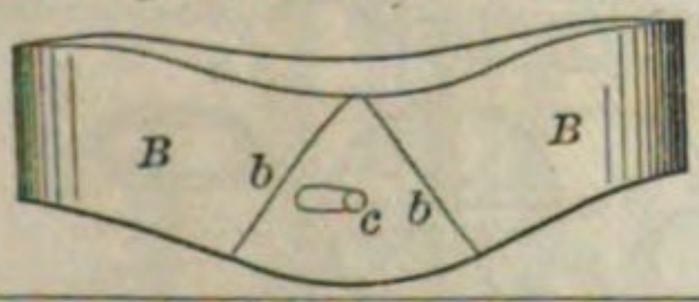
52514—J. Barton—*Stove Pipe Damper.*



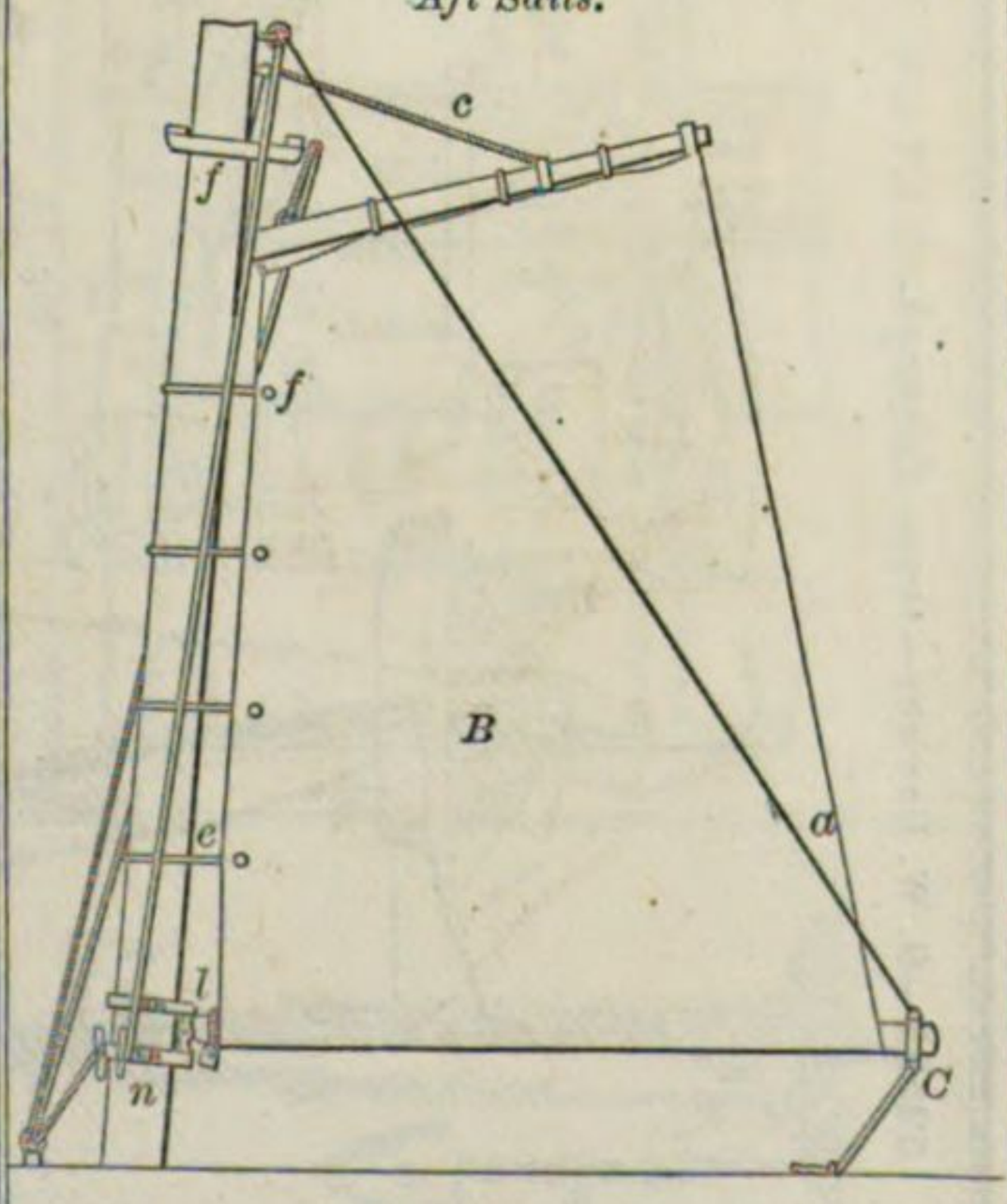
52515—C. Belden—*Cultivator.*



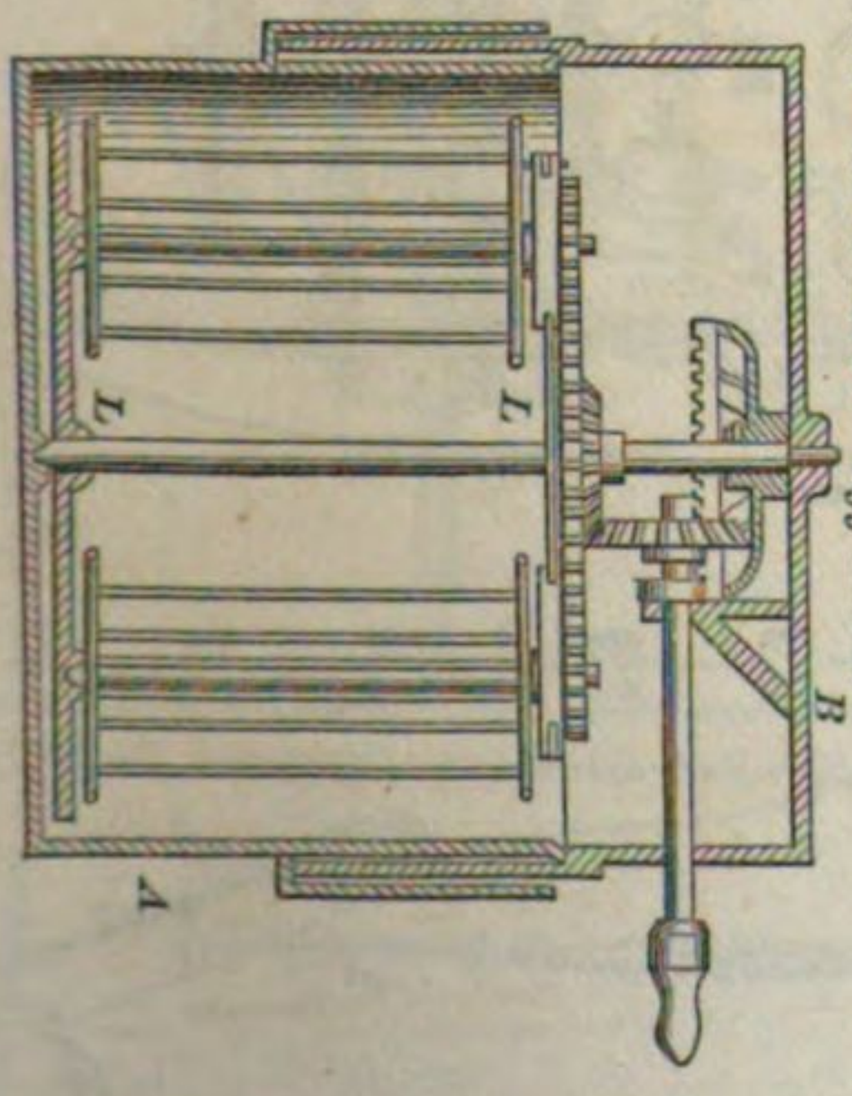
52516—S. A. Bemis—*Shirt Collar.*



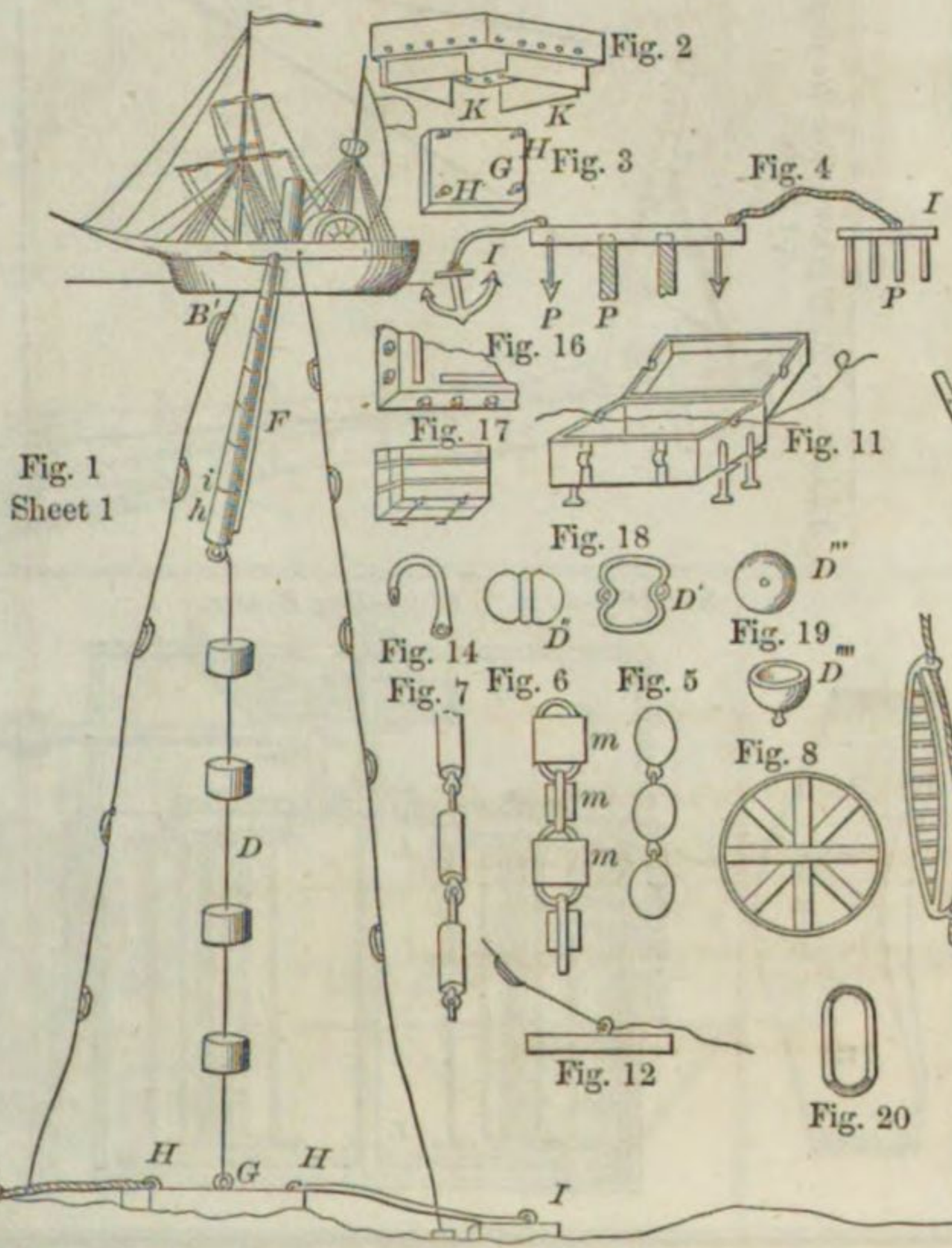
52517—G. A. Bigelow—*For Reefing Fore and Aft Sails.*



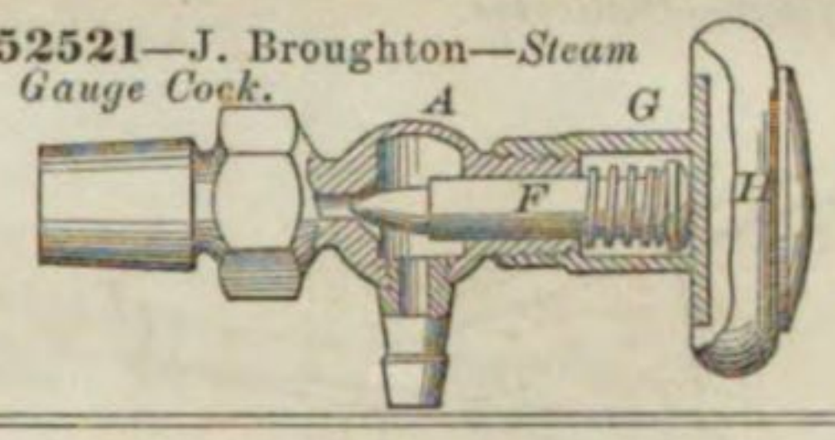
52518—A. R. Blasse—*Egg Beater.*



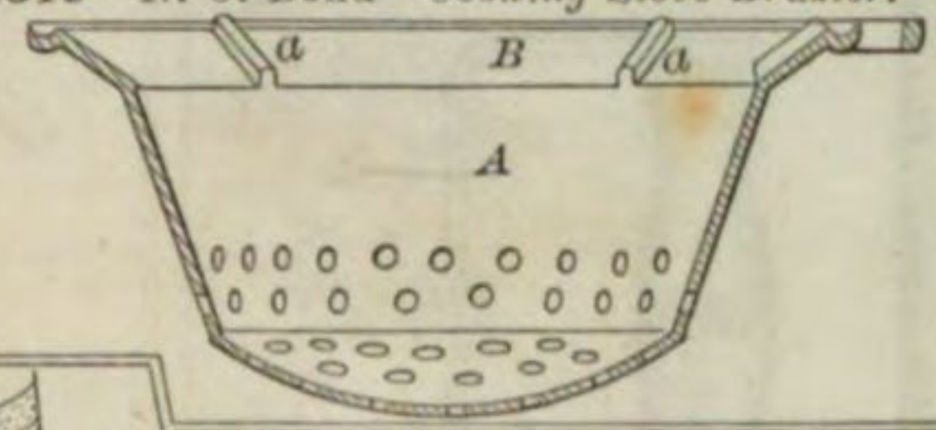
52522—G. W. Bowlsby—*Ocean Telegraph.*

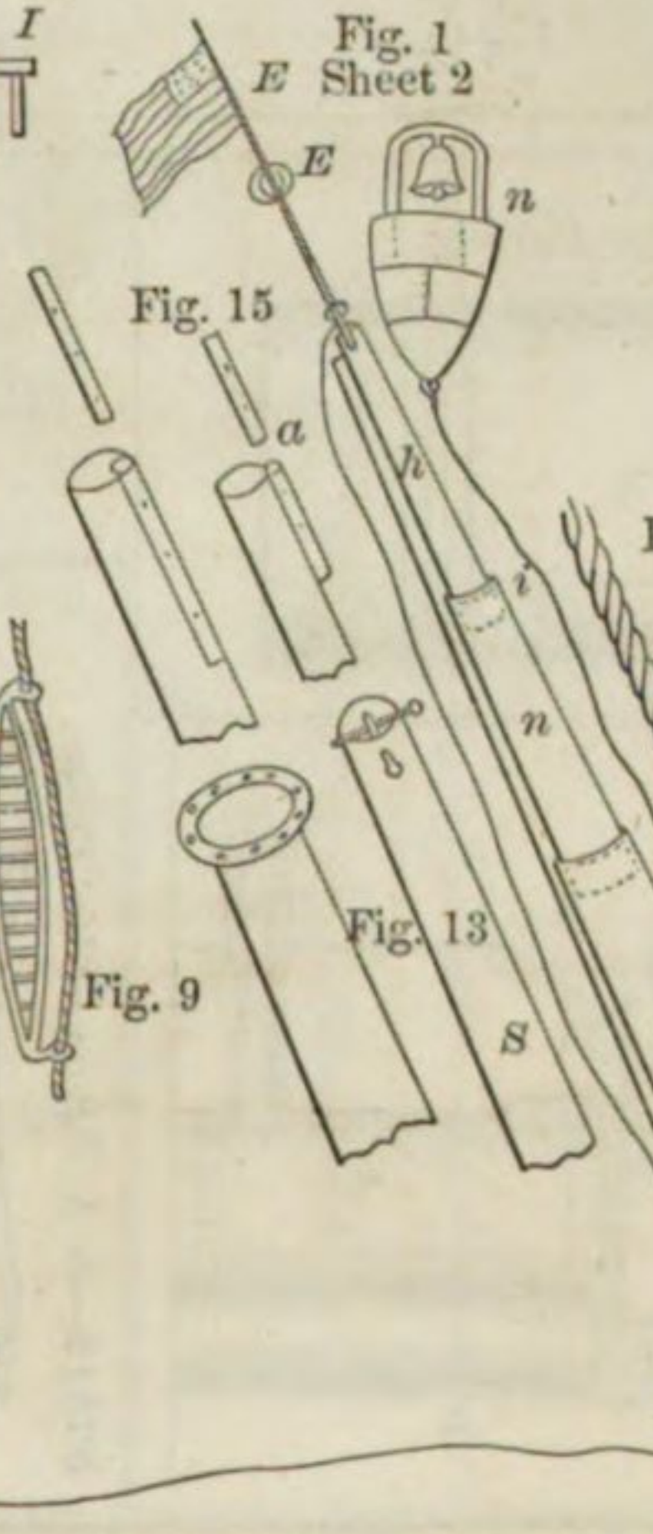


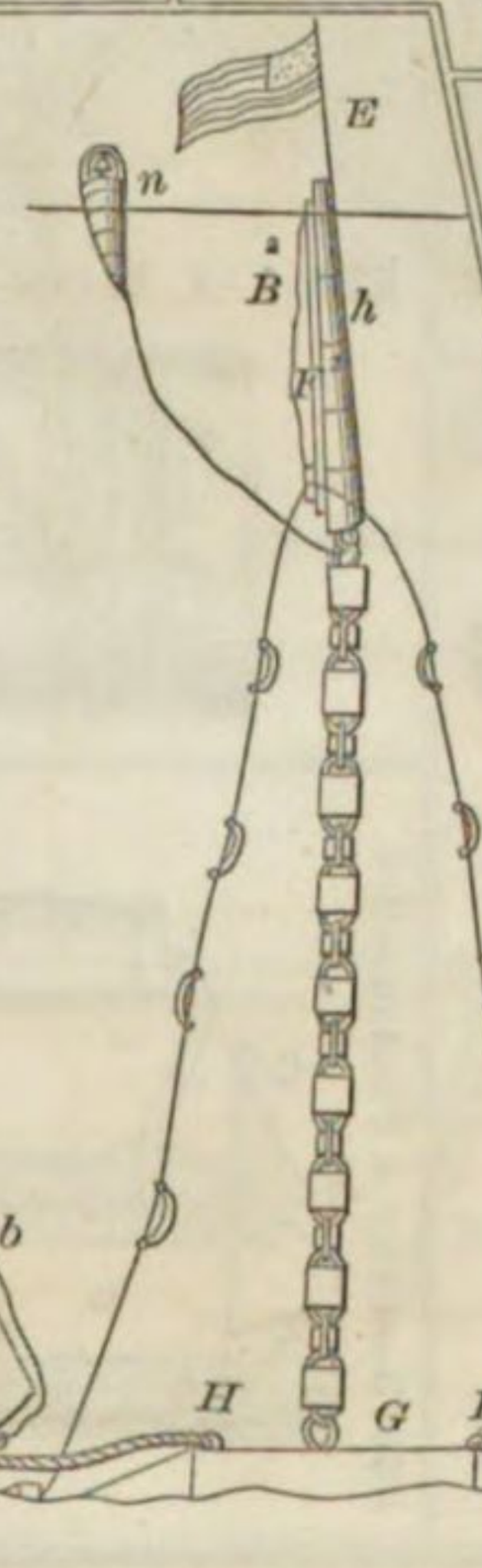
52521—J. Broughton—*Steam Gauge Cock.*



52519—N. O. Bond—*Cooking Stove Brazier.*

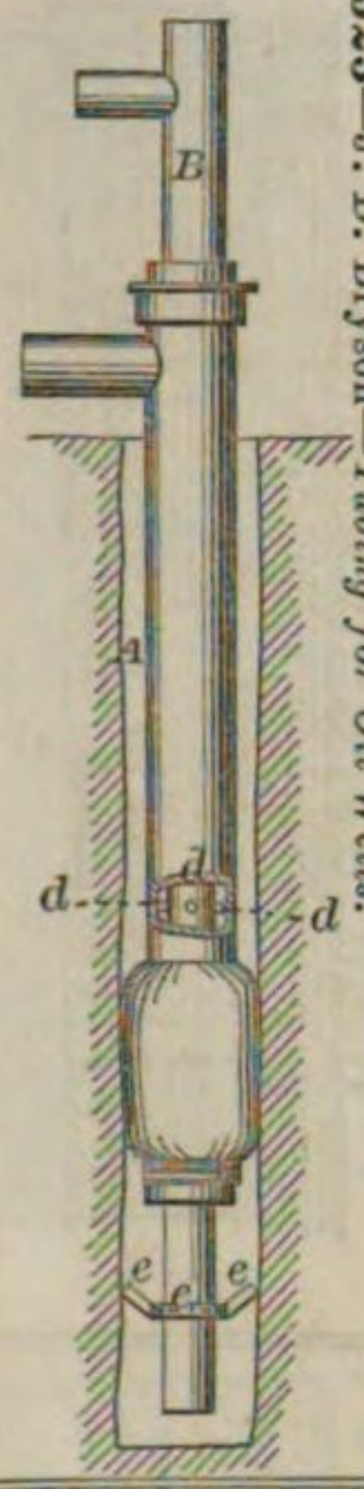




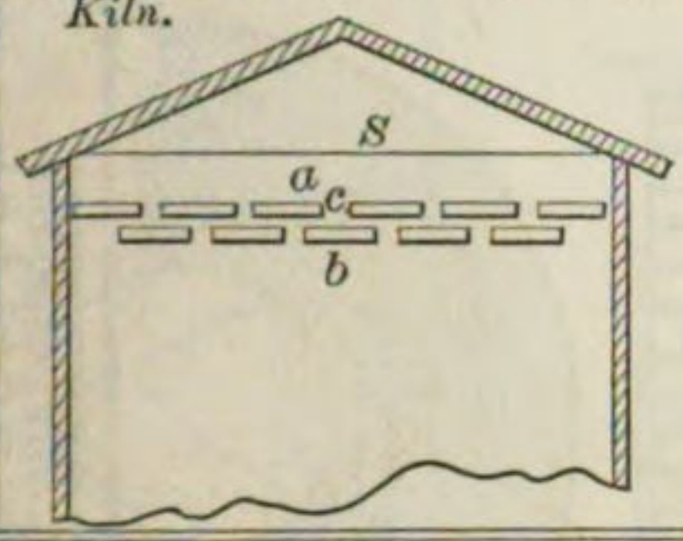


52520—F. Boshert—*Stove Pipe Elbow.*

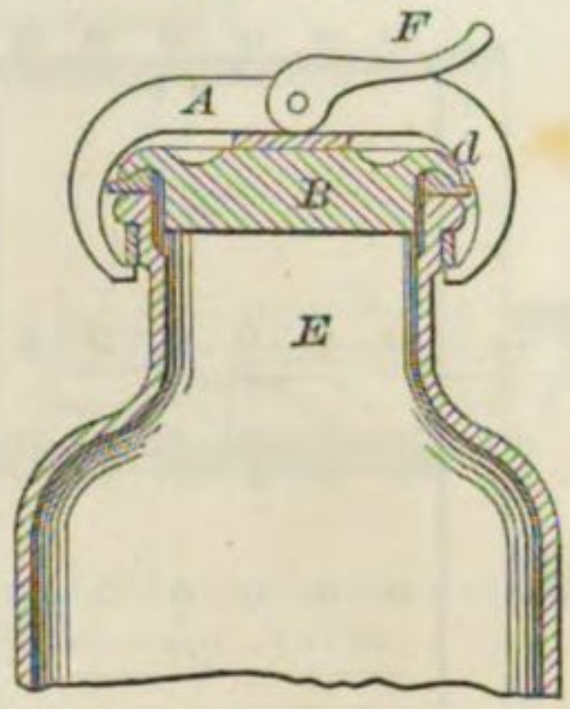
52523—J. D. Bryson—*Tubing for Oil Wells.*



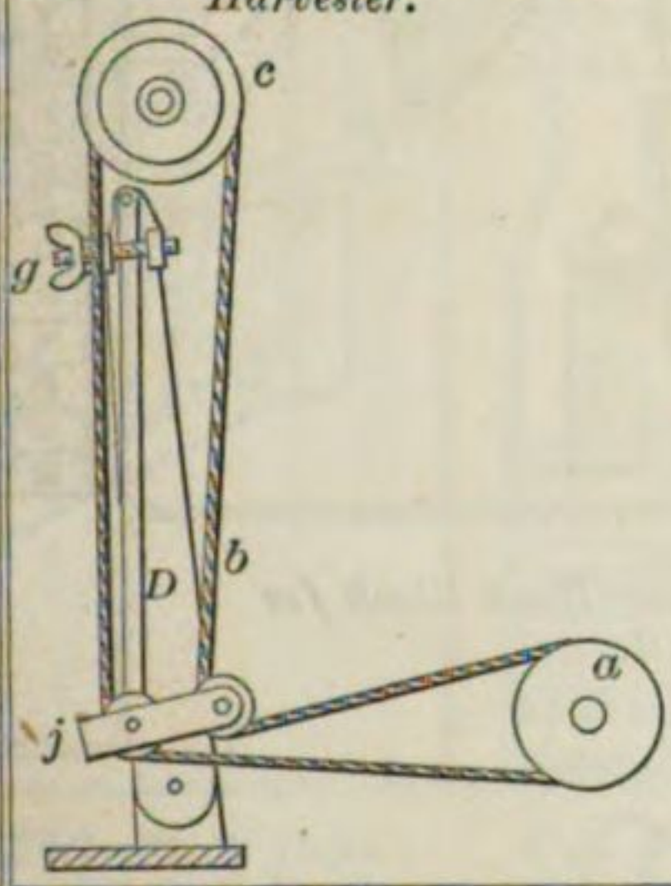
52524—H. G. Bulkley—*Drying Kiln.*



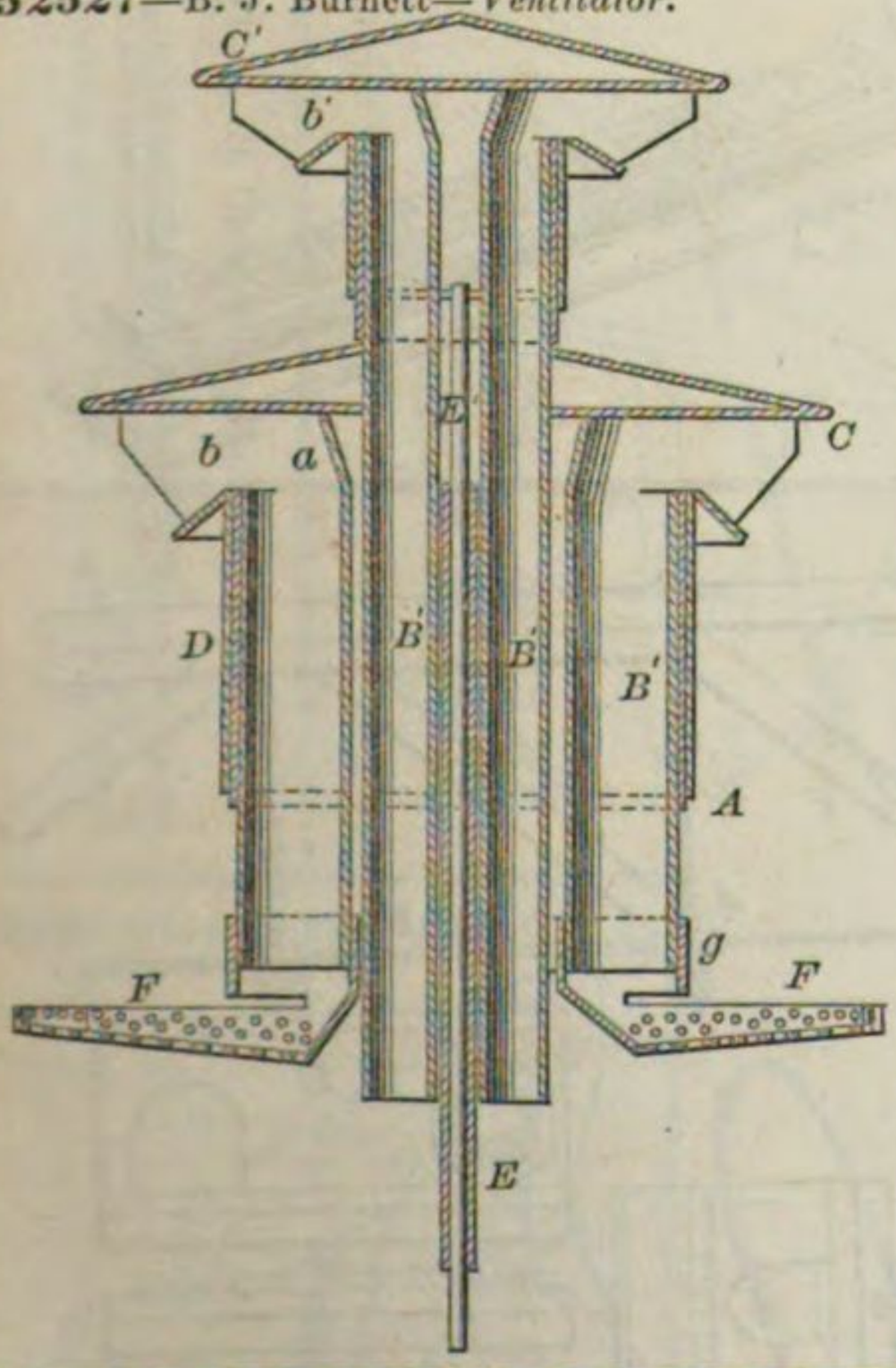
52525—F. A. Bunnell—*Fruit Jar Cover.*



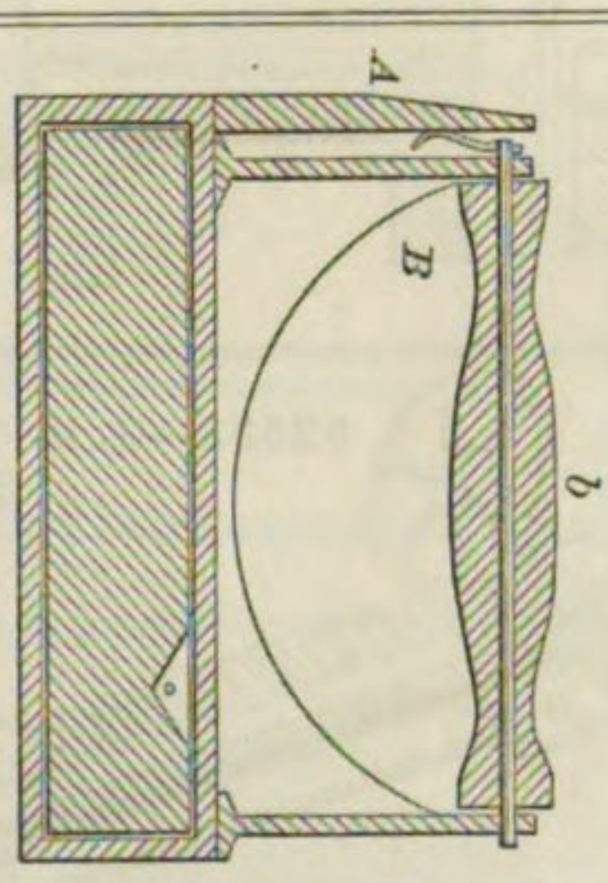
52526—W. H. Burkhart—*Harvester.*



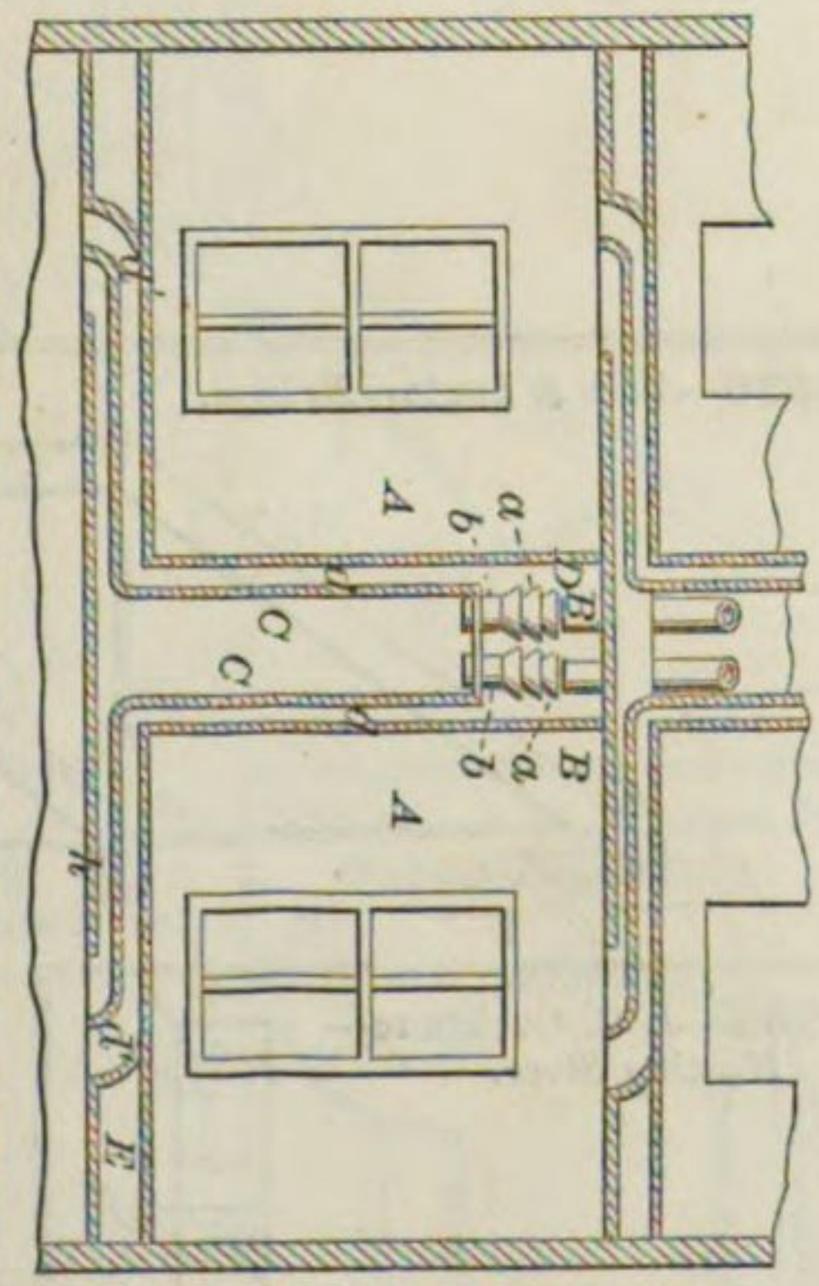
52527—B. J. Burnett—*Ventilator.*



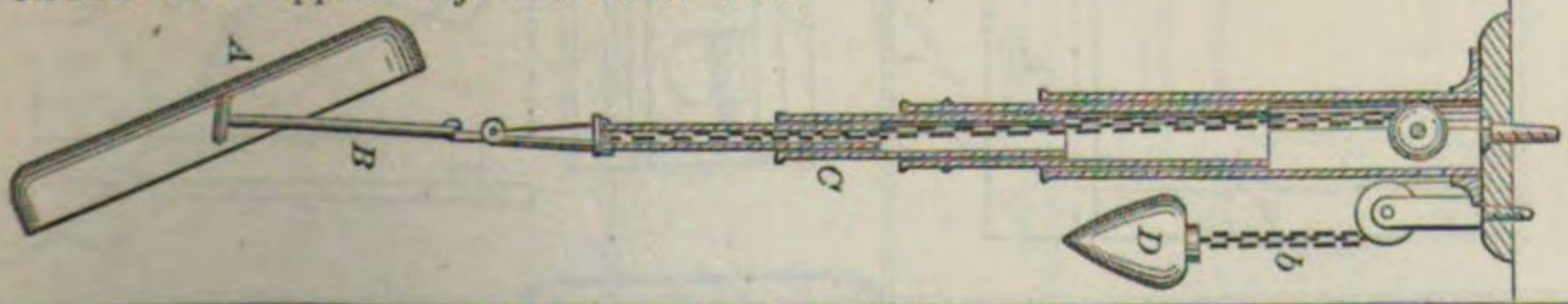
52529—T. Butters—*Flat Iron.*



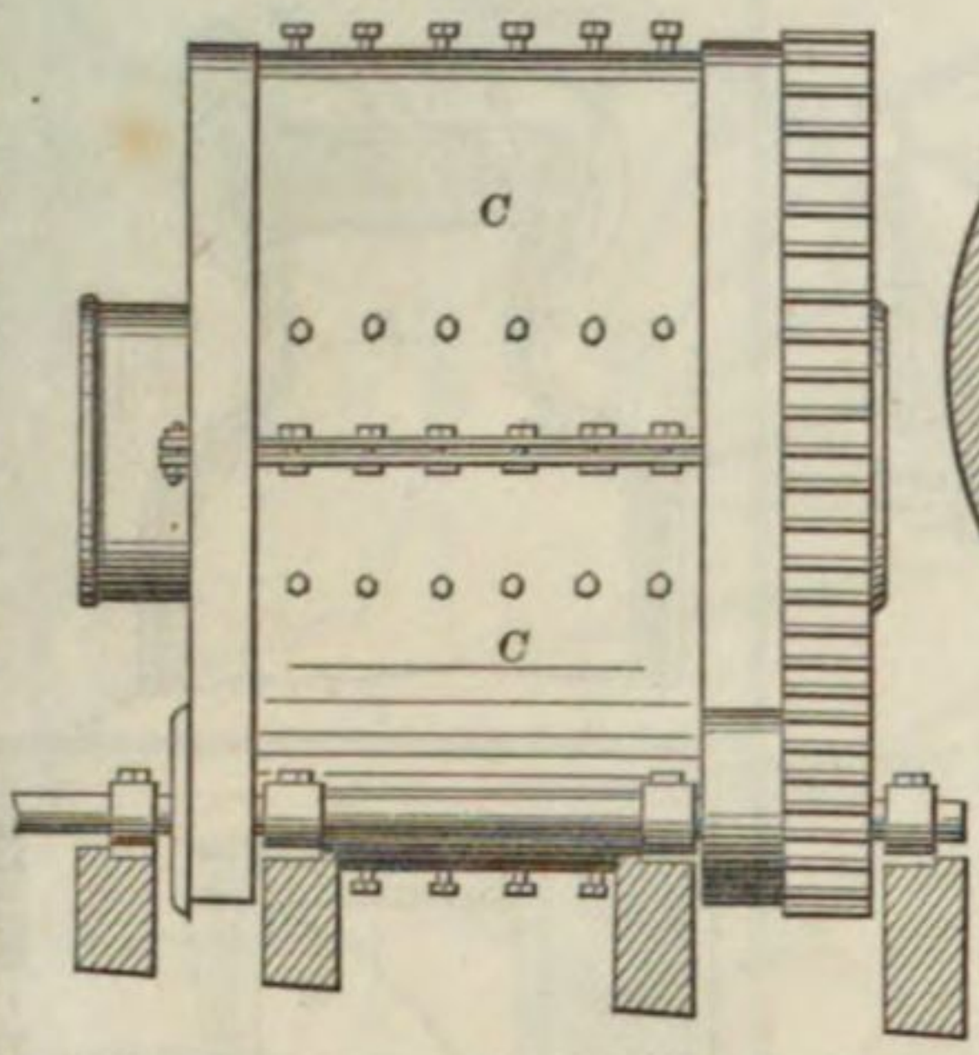
52528—B. J. Burnett—*For Ventilating Houses, &c.*



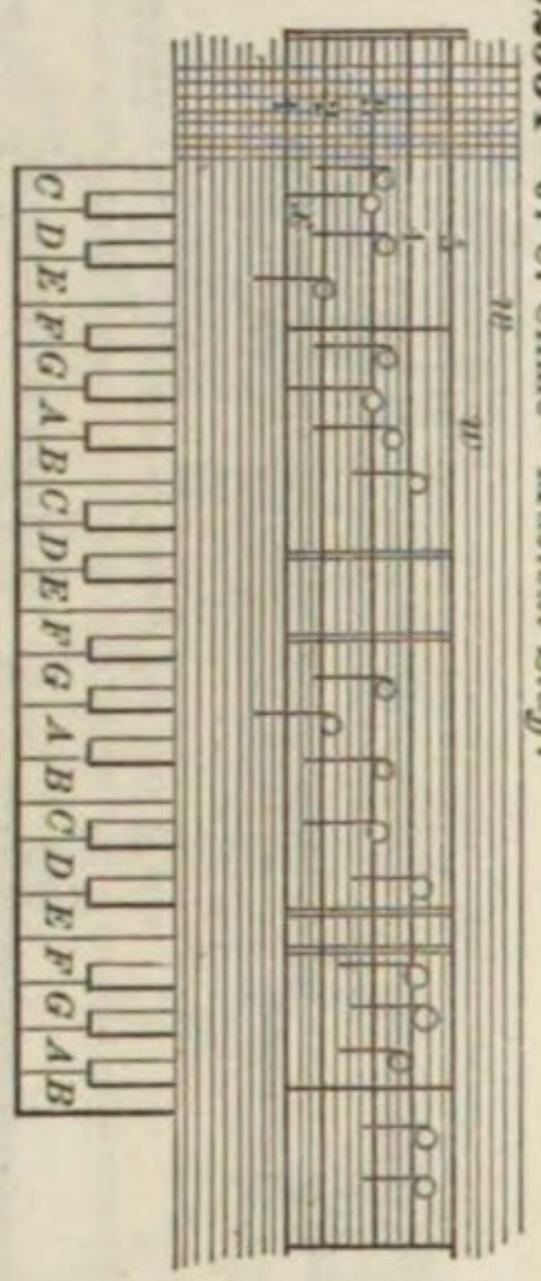
52531—G. Chappell—*Adjustable Toilet Glass.*



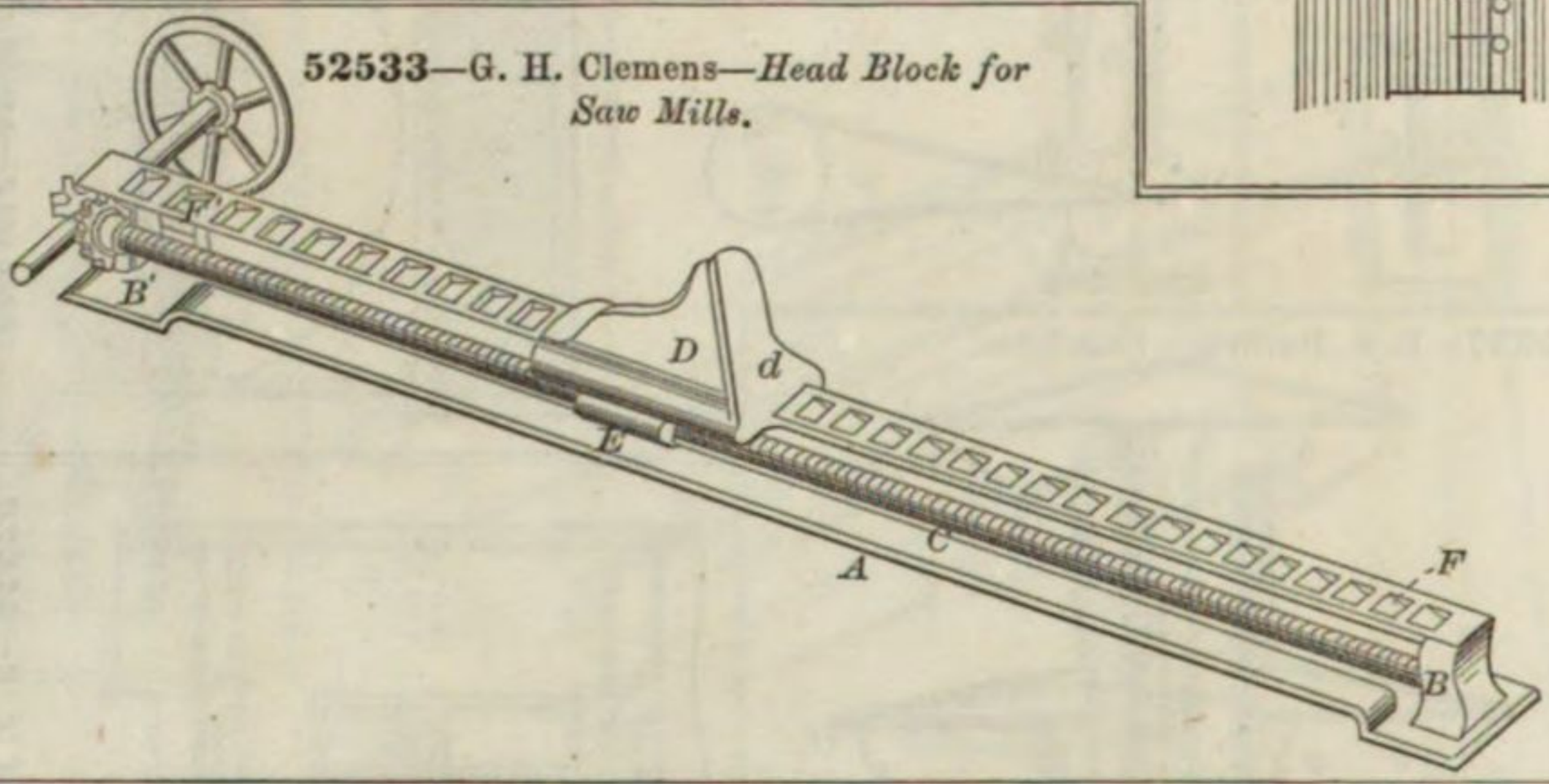
52532—T. J. Chubb—*Quartz Mill.*



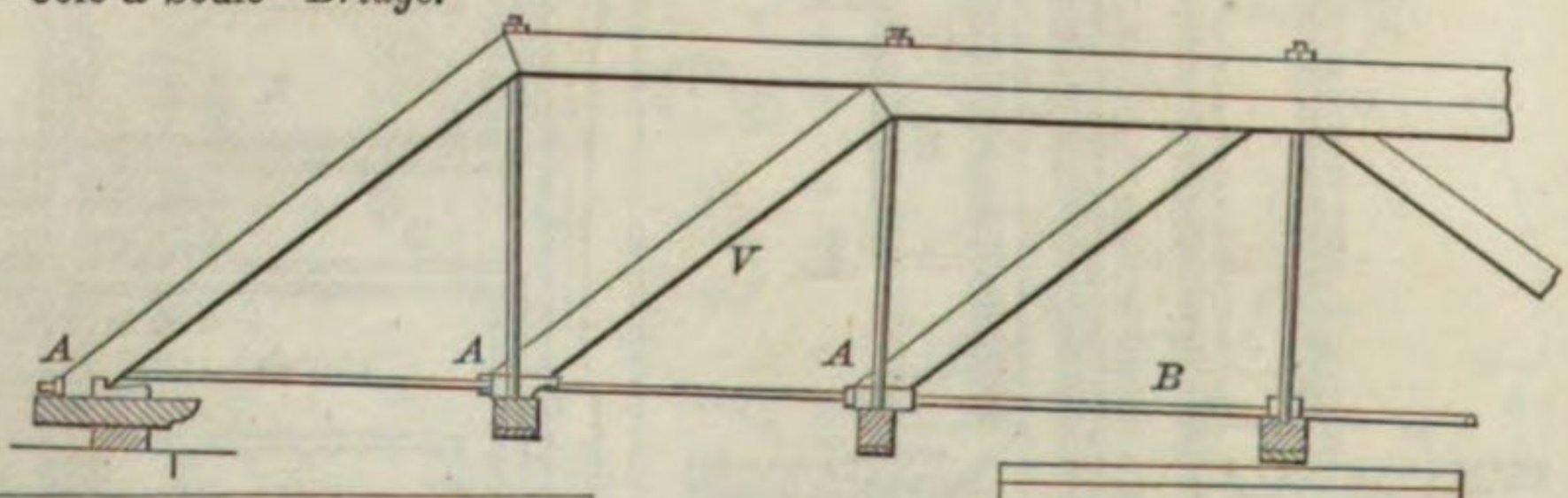
52534—J. C. Clime—*Musical Staff.*



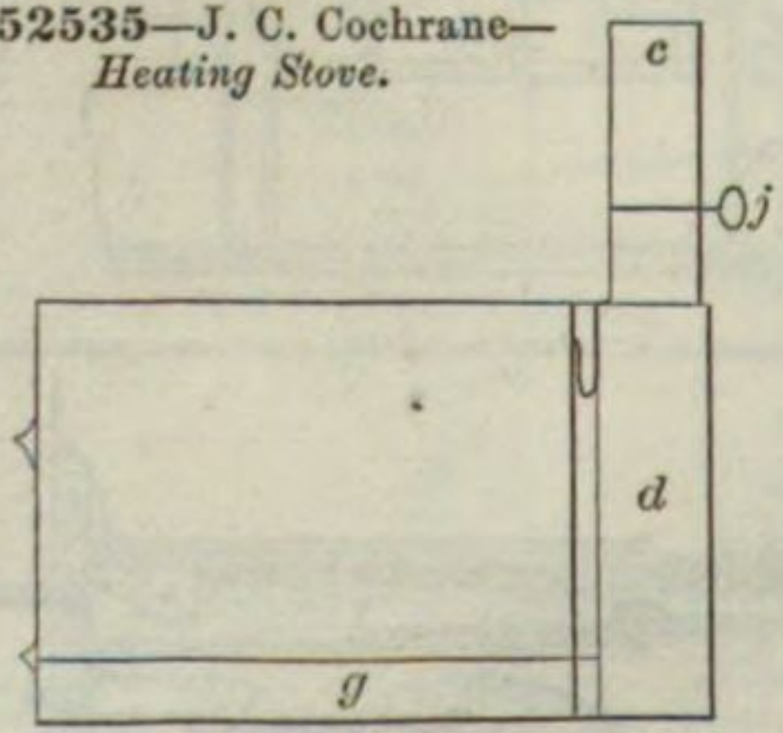
52533—G. H. Clemens—*Head Block for Saw Mills.*

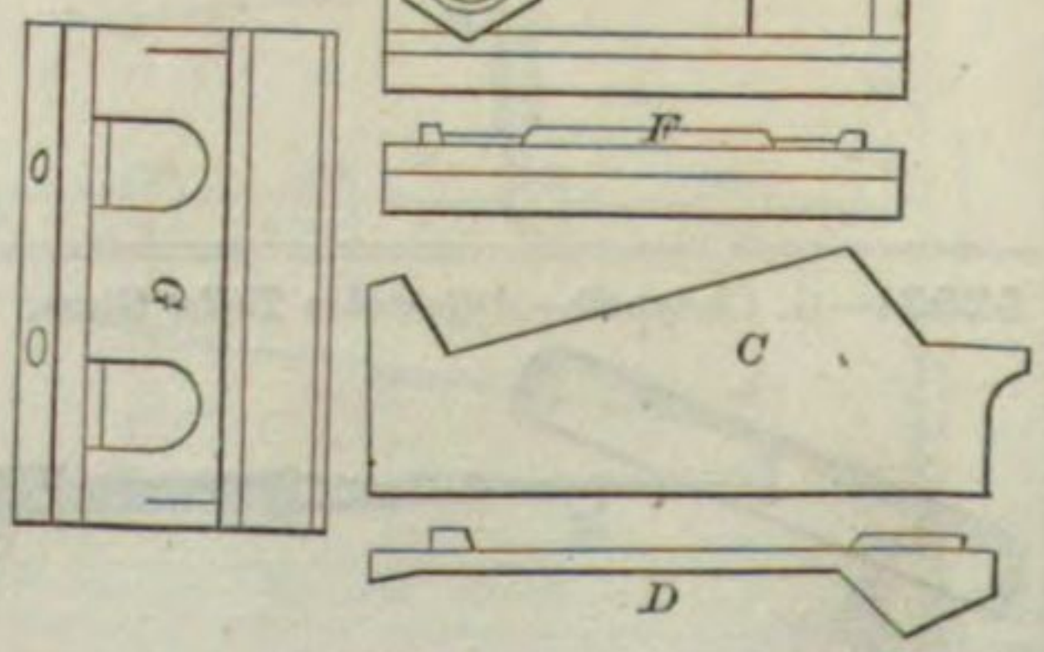


52536—Cole & Soule—*Bridge.*

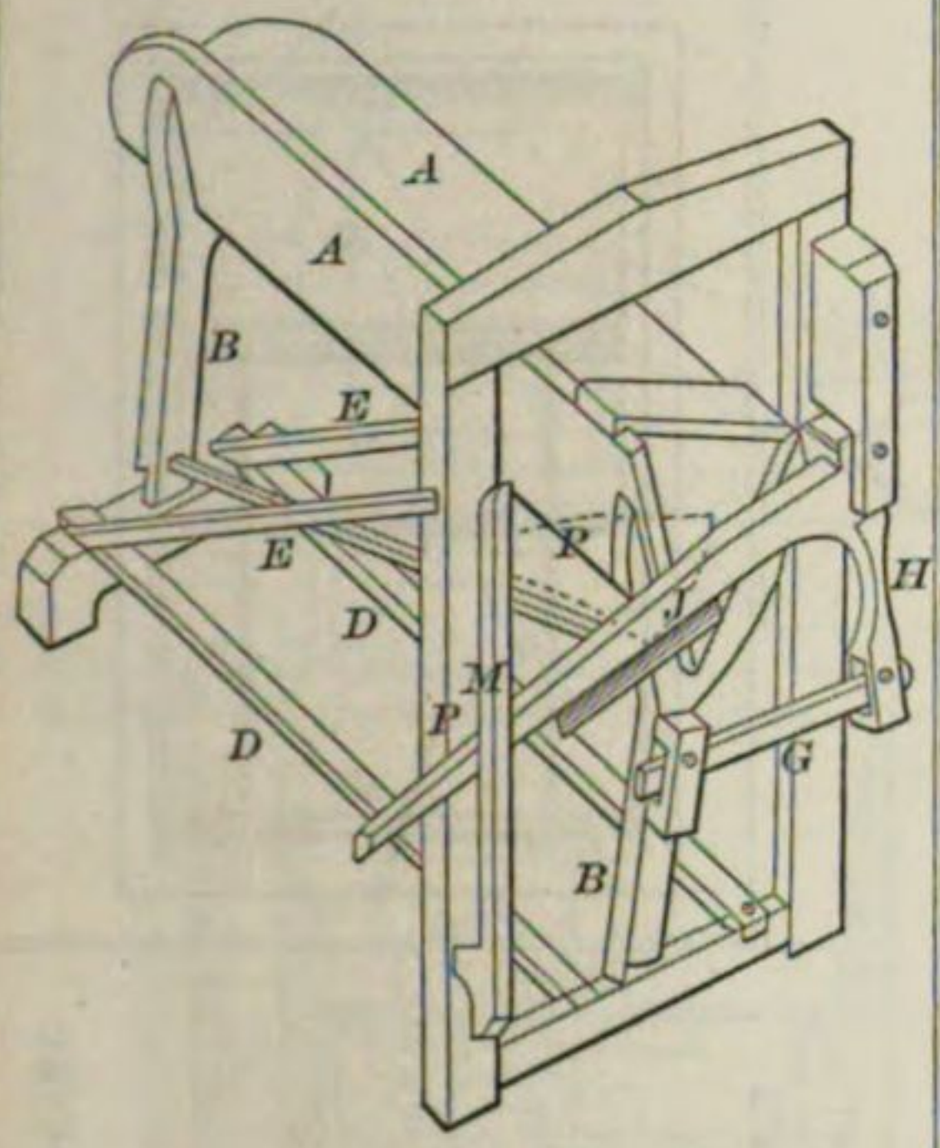


52535—J. C. Cochrane—*Heating Stove.*

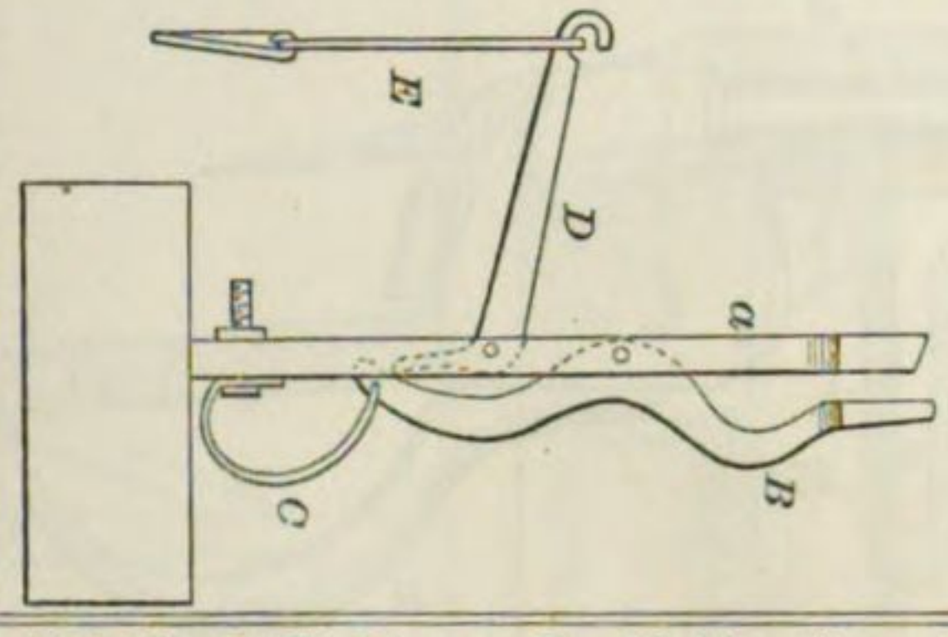




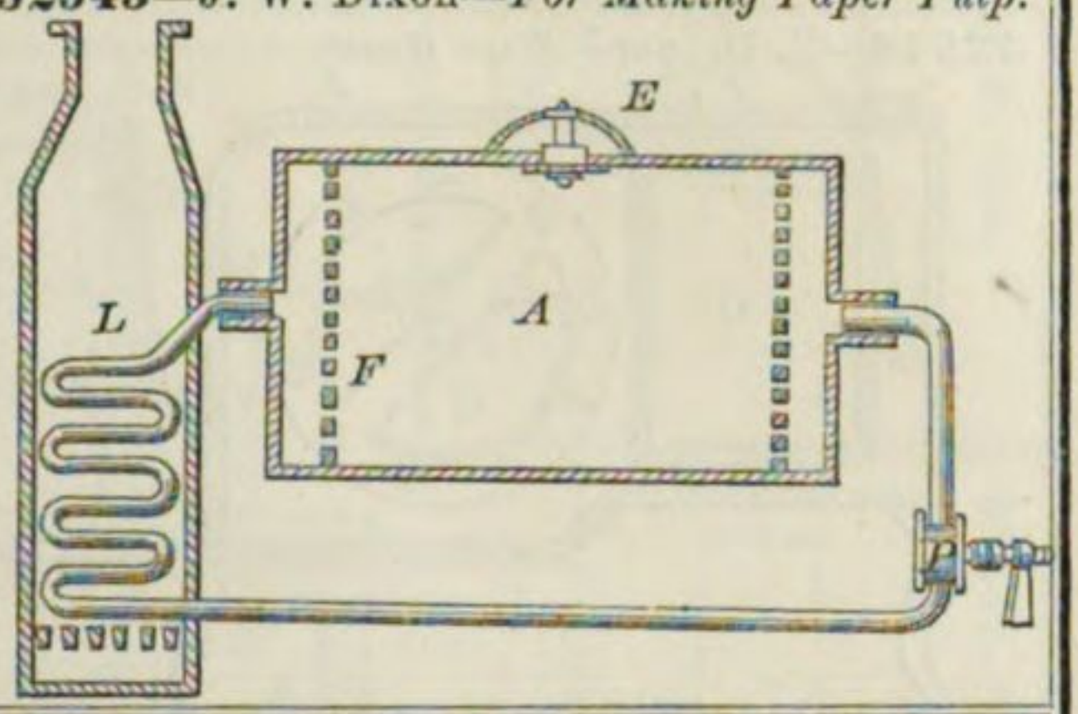
52537—J. Conner—*Straw Cutter.*



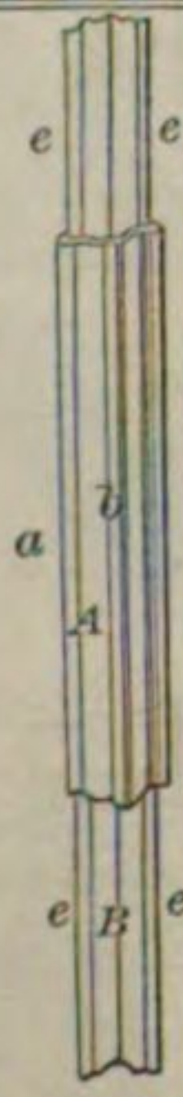
52538—Coon & Hill—*Horse Shoe Vise.*



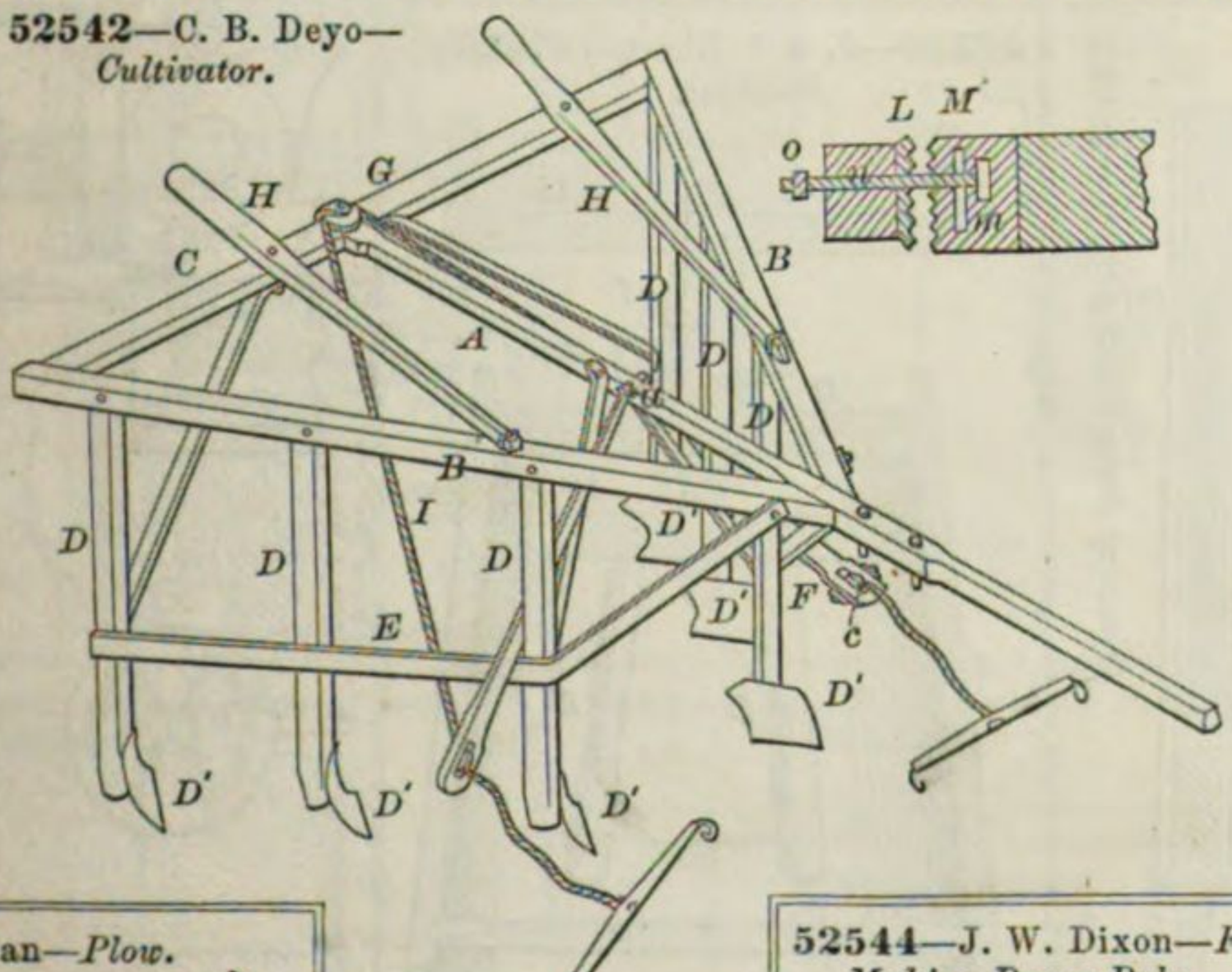
52543—J. W. Dixon—*For Making Paper Pulp.*



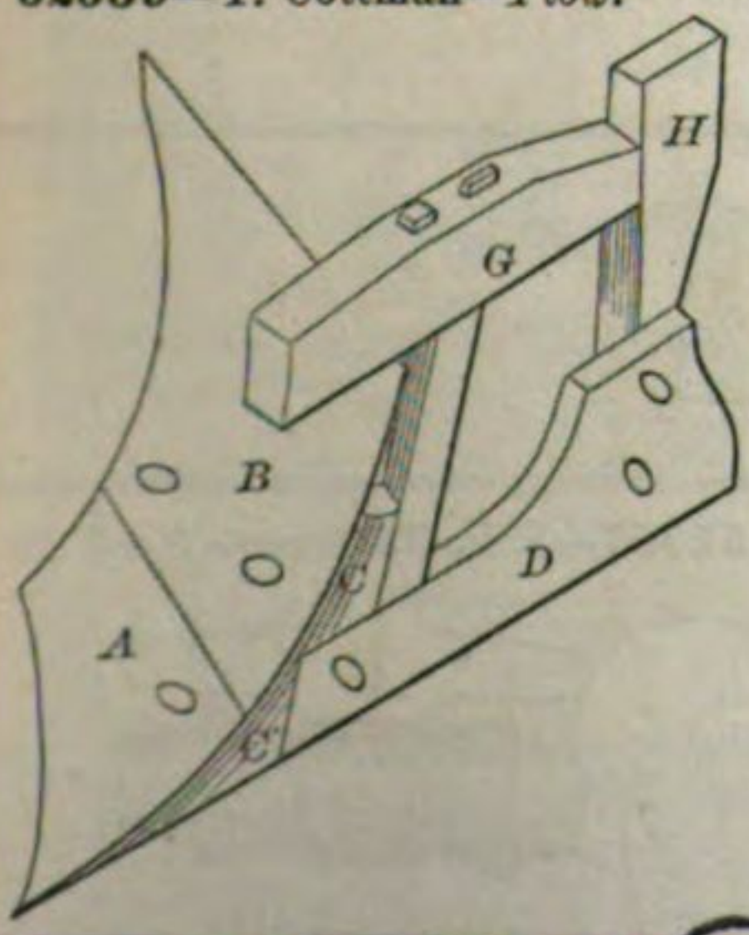
52541—S. D. Cushman—*Lightning Rod.*



52542—C. B. Deyo—*Cultivator.*

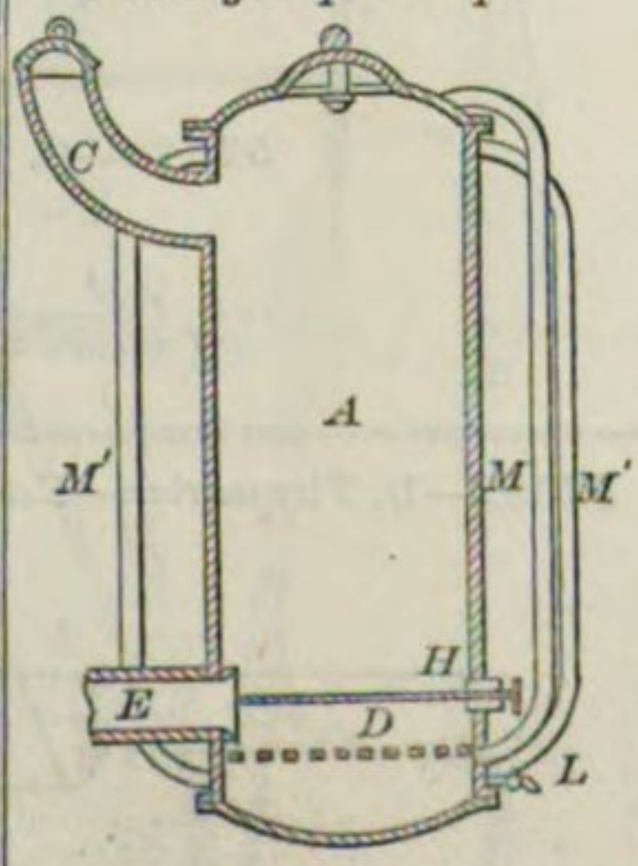


52539—T. Cottman—*Plow.*



52540—J. W. B. Covington—*Paper Sock.*

52544—J. W. Dixon—*For Making Paper Pulp.*



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52547—W. C. Dodge—*Breech-Loading Fire Arm.*

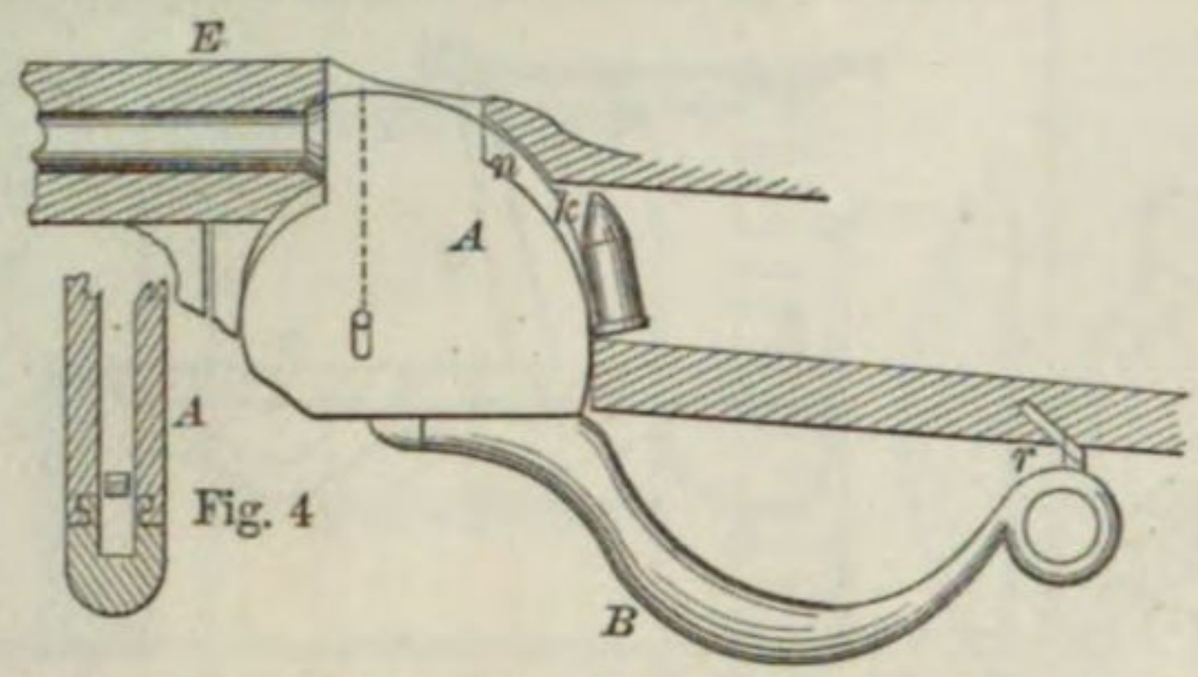
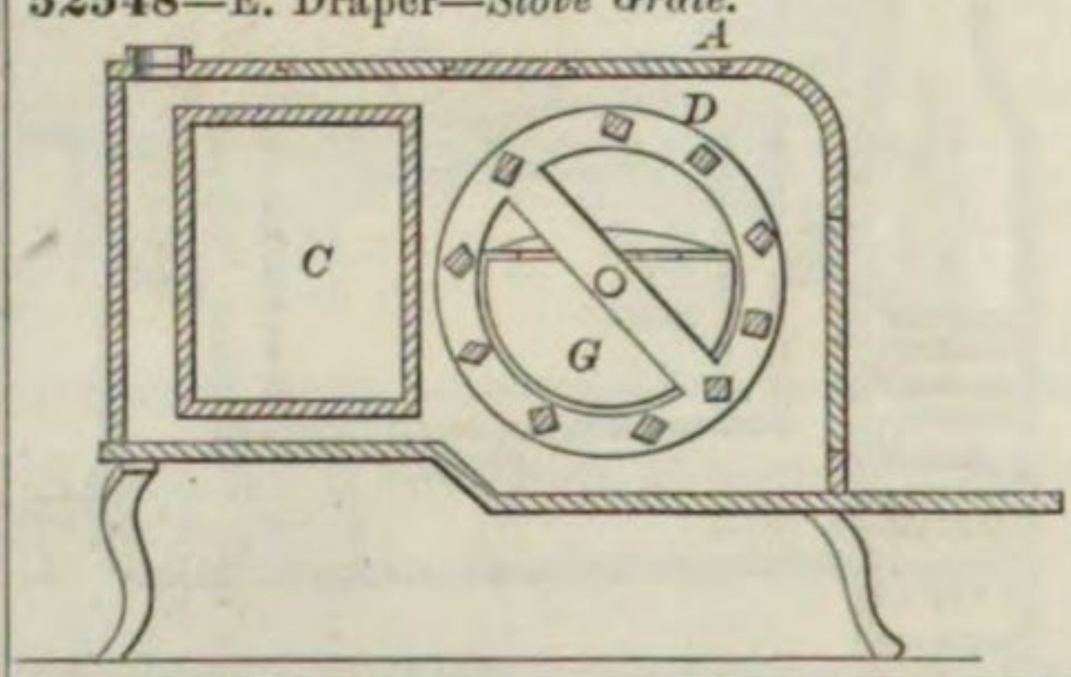
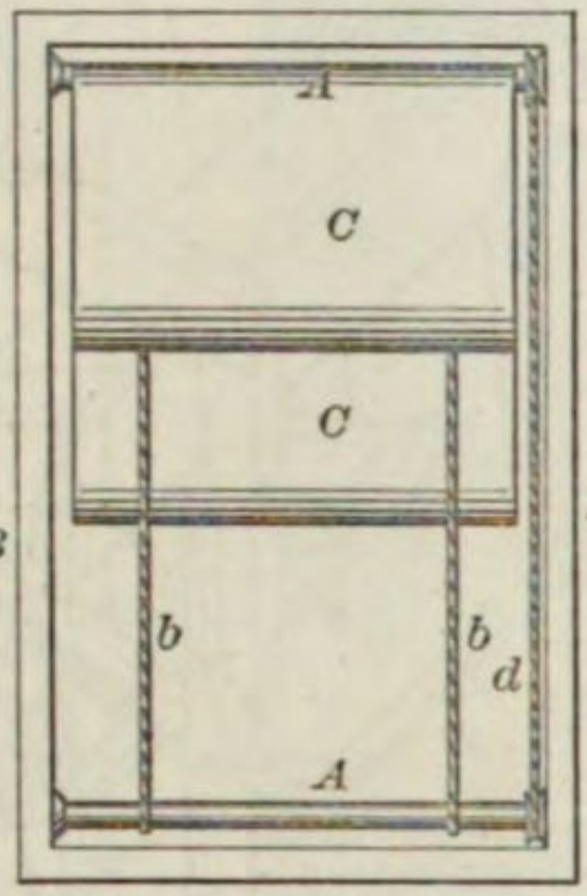


Fig. 4

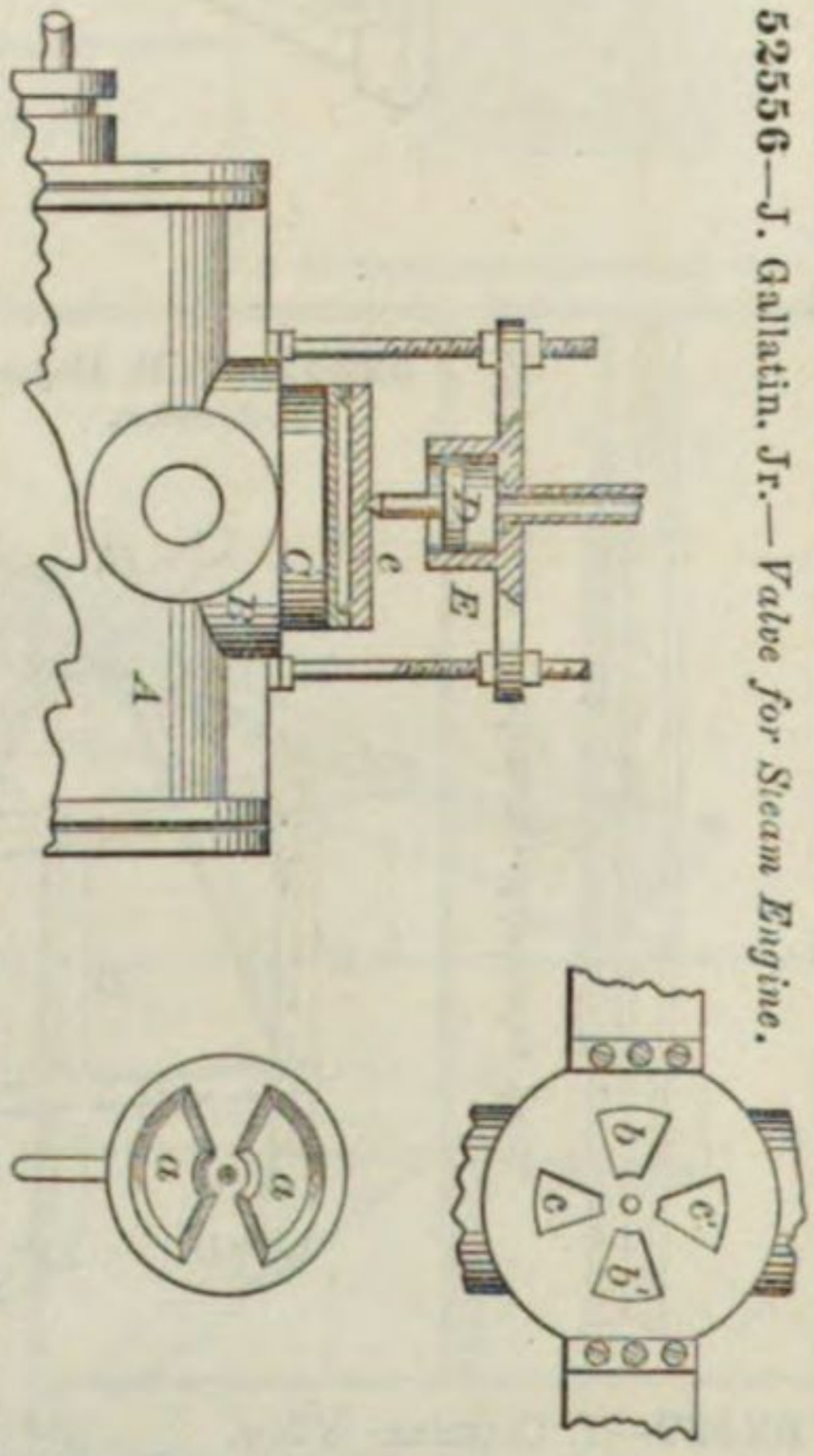
52548—E. Draper—*Stove Grate.*



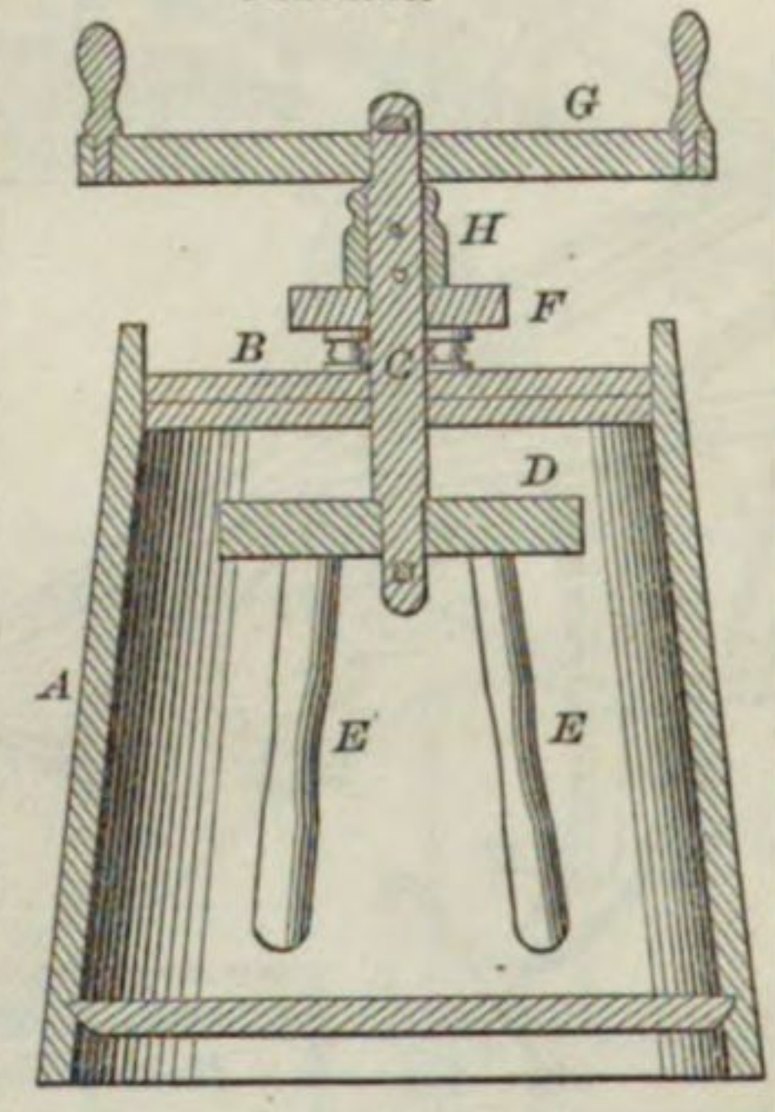
52555—H. Foster—*Window Curtain.*



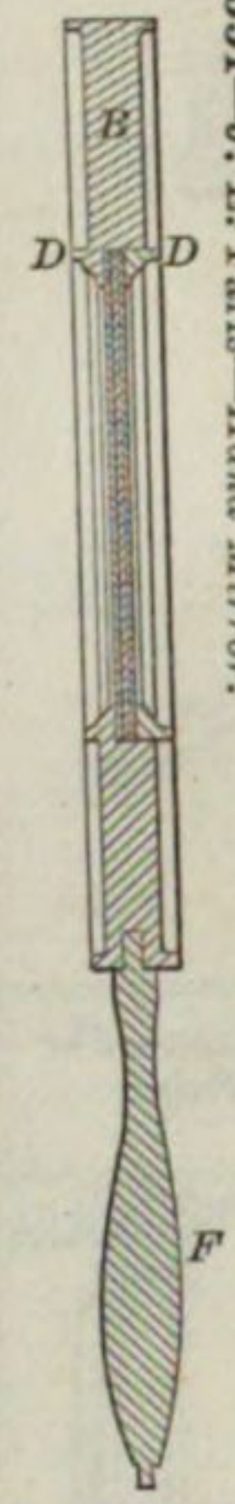
52556—J. Gallatin, Jr.—*Valve for Steam Engine.*



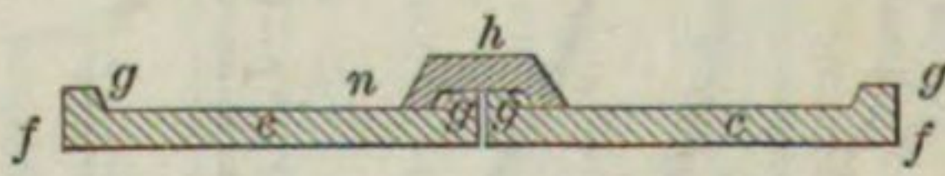
52550—J. & J. Ehart—*Washing Machine.*



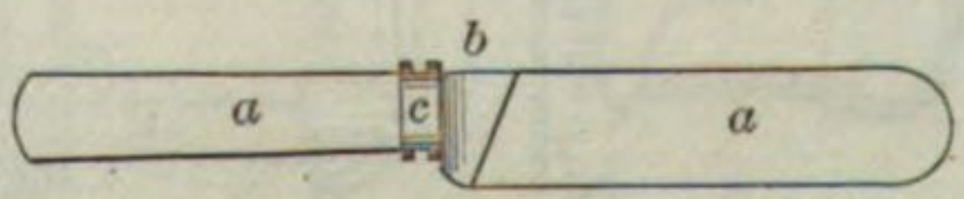
52551—J. E. Faris—*Hand Mirror.*



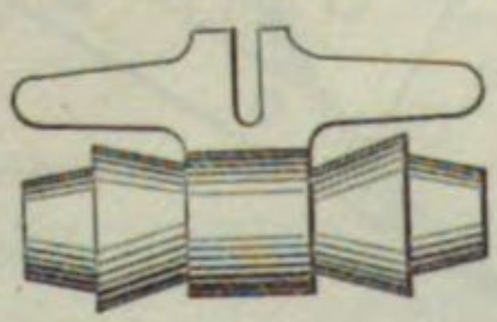
52549—O. Eaton—*Roofing.*



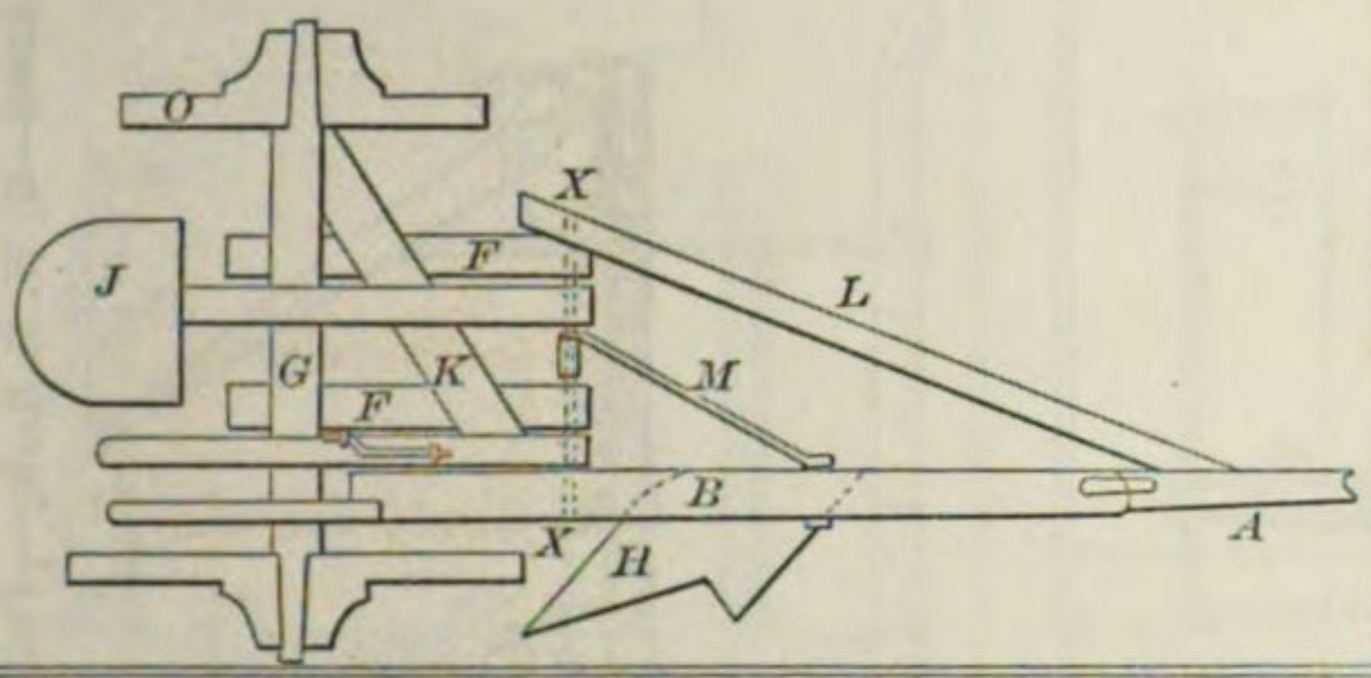
52552—D. Fitzpatrick—*Cutlery.*



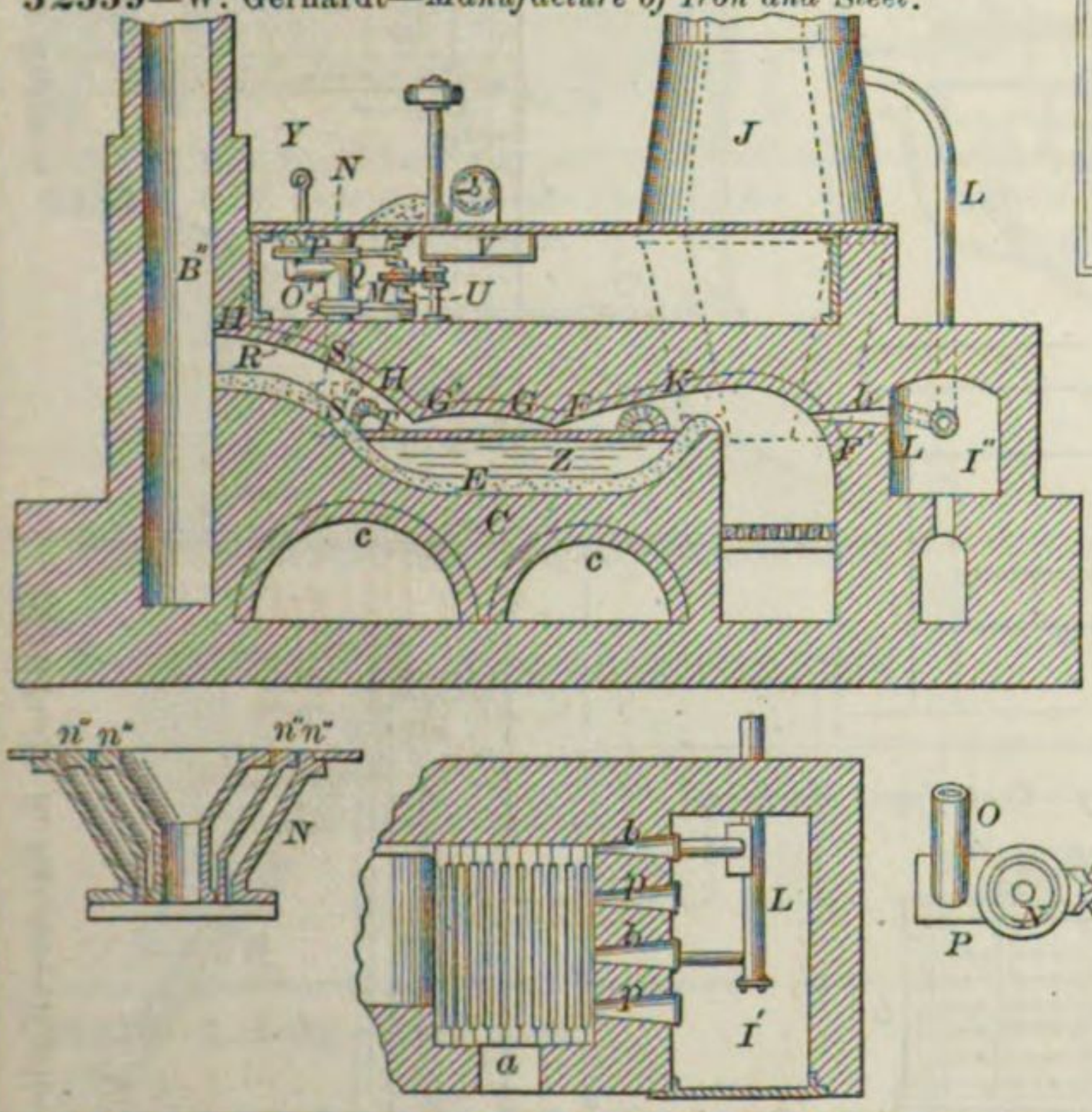
52557—J. B. Gardiner—*Neck Tie.*



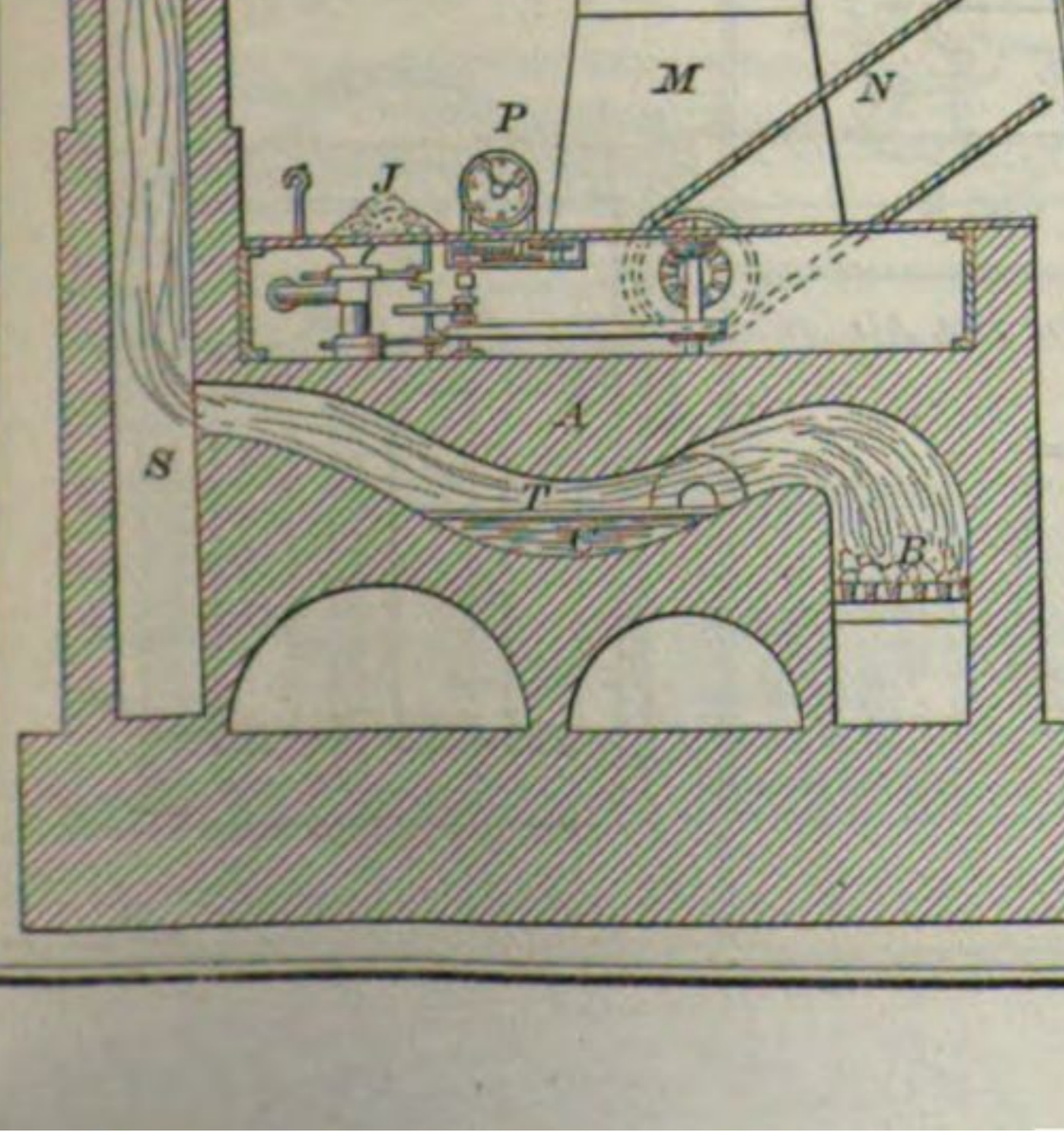
52558—R. R. Gaskill—*Gang Plow.*



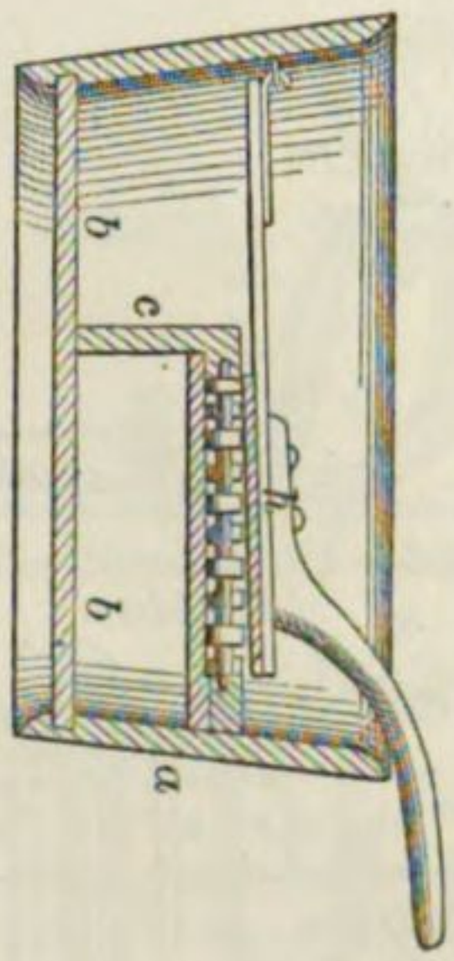
52559—W. Gerhardt—*Manufacture of Iron and Steel.*



52560—W. Gerhardt—*Manufacture of Iron and Steel.*

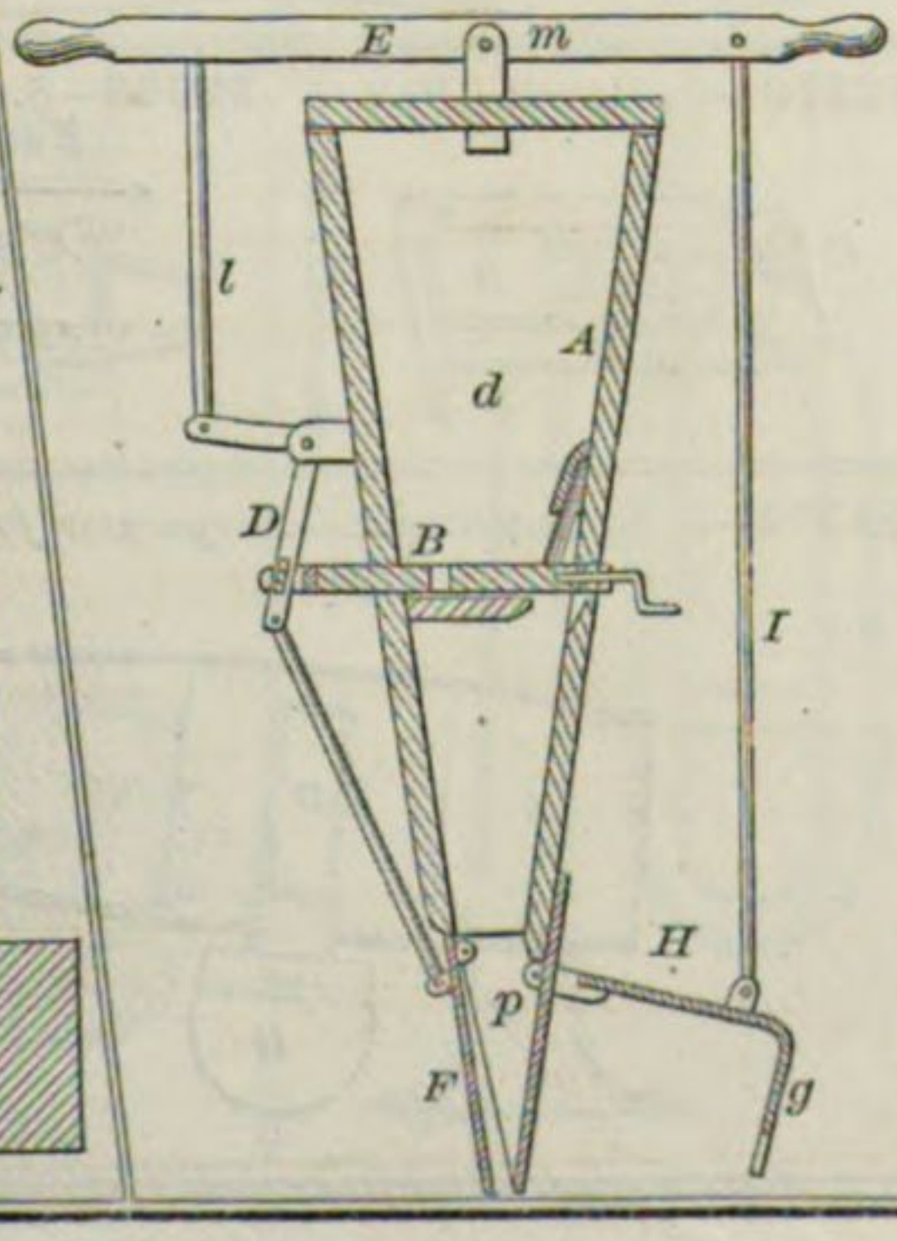


52562—W. H. Greer—*Washing Machine.*

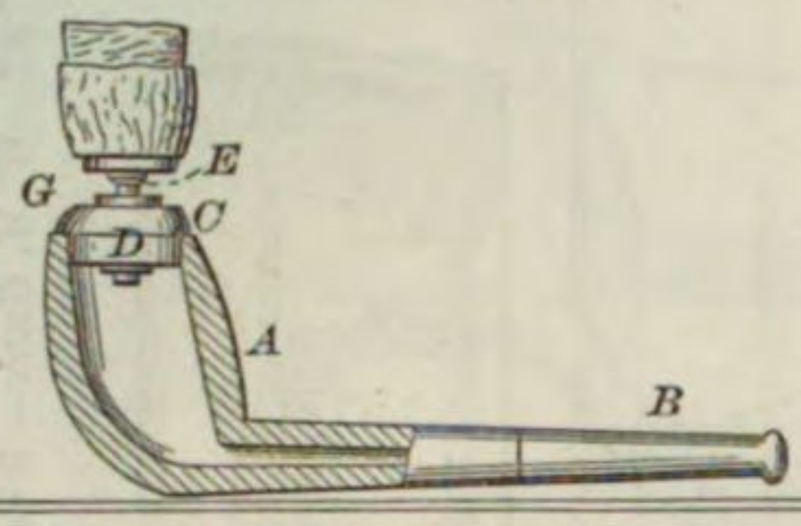


52561—R. P. Gillett—*Axle and Journals.*

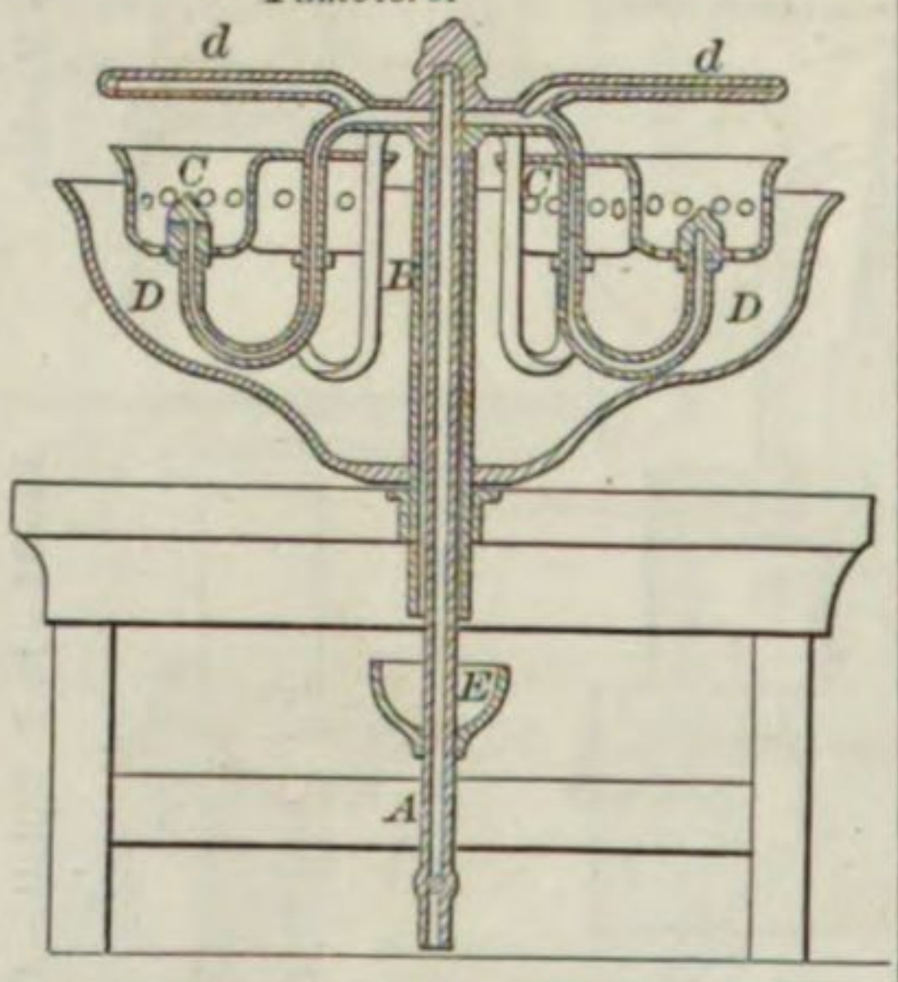
52563—S. Guild—*Seeder and Fertilizer Combined.*



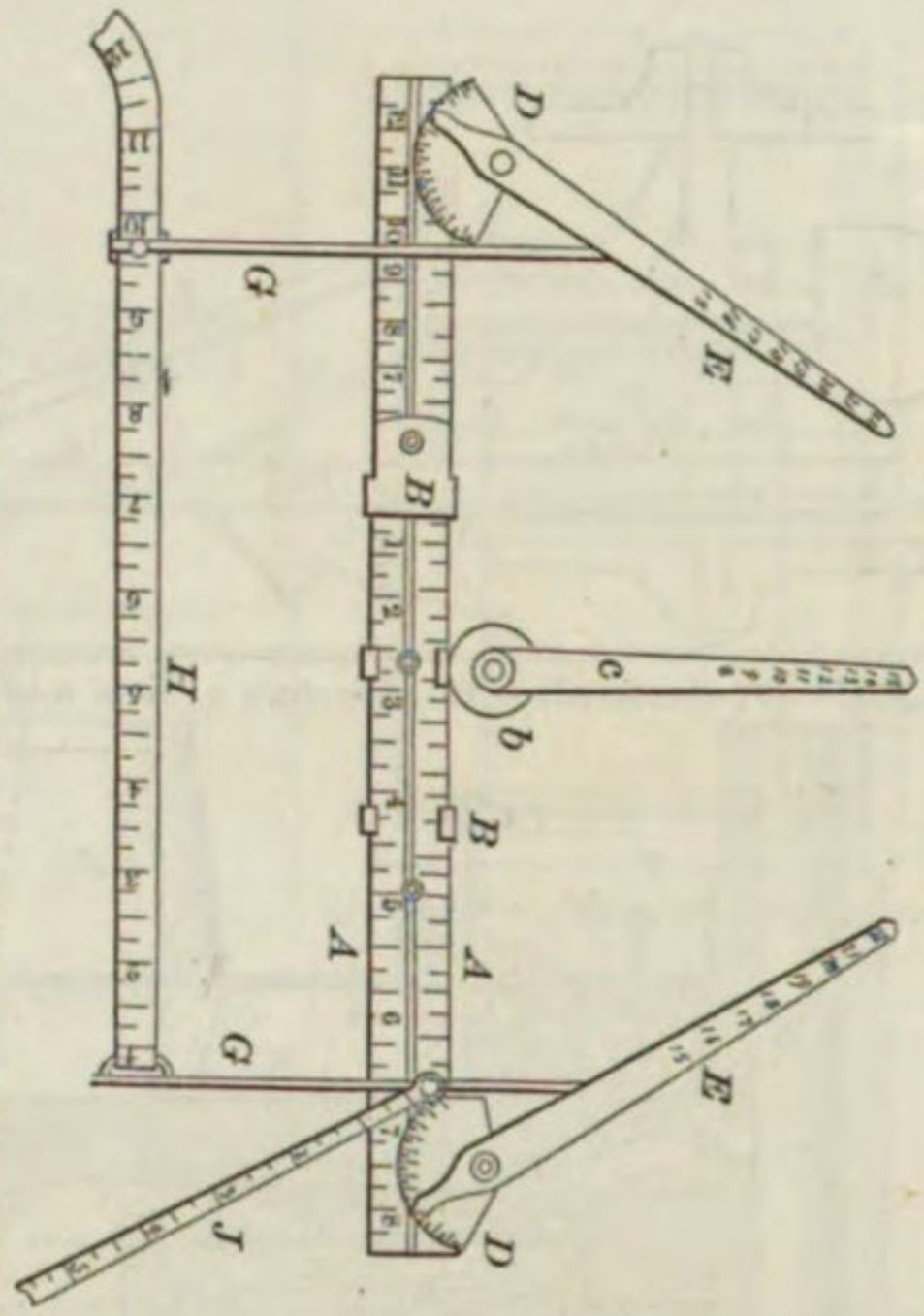
52564—H. J. Hale—*Smoking Device.*



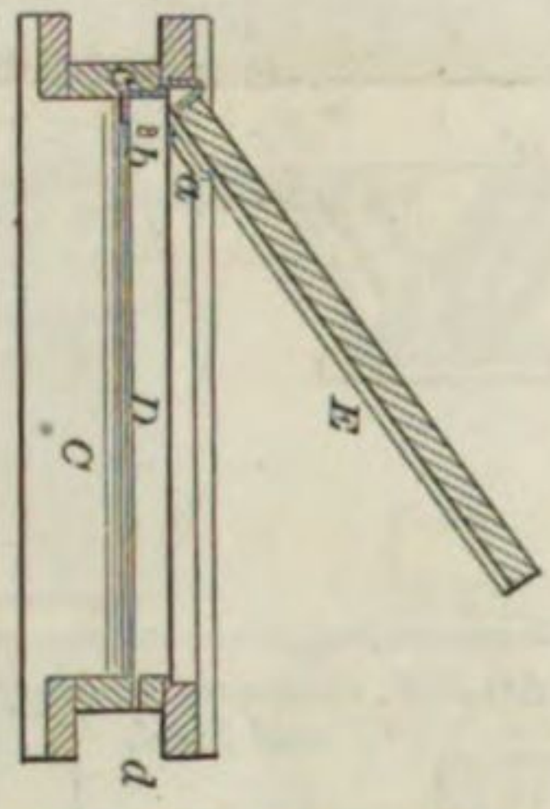
52565—A. Hallowell—*For Washing Tumblers.*



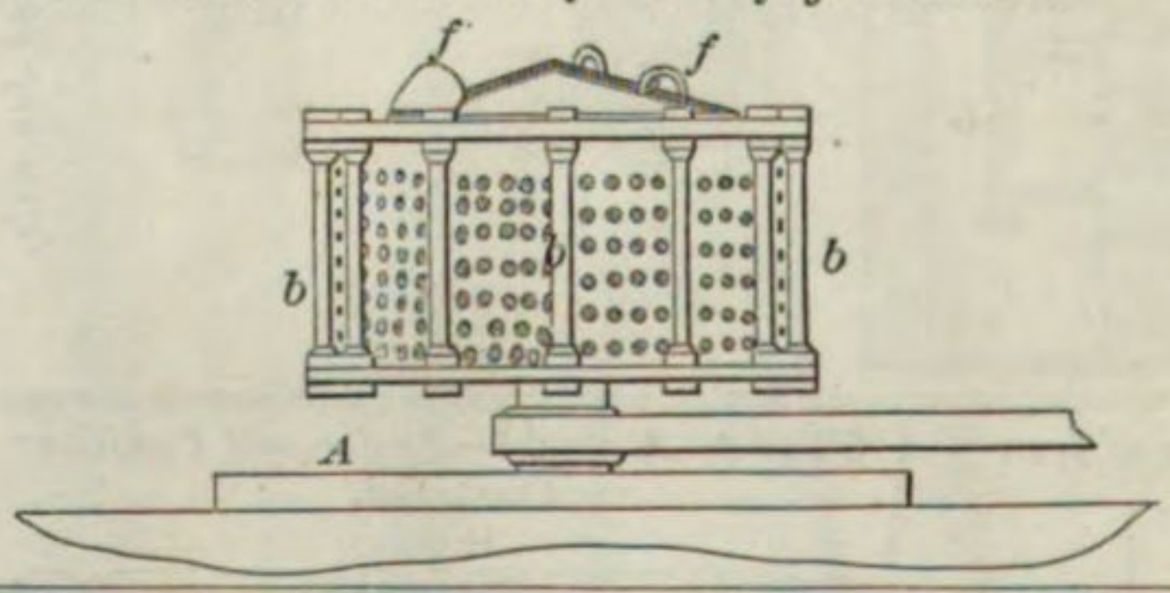
52566—G. W. T. Harley—*Tailor's Measure.*



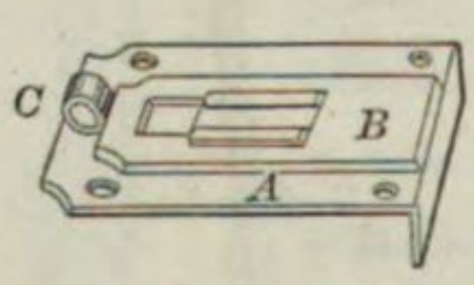
52567—M. S. Harsha—*Weather Strip.*



52569—Hartson & Woolsey—*Centrifugal Machine.*



52570—G. Havell—*Bolt.*



52568—S. S. Hartshorn—*Buckle.*

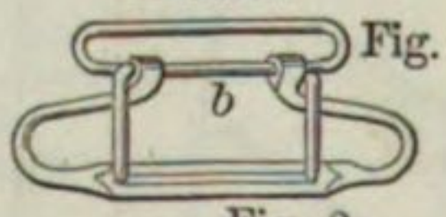
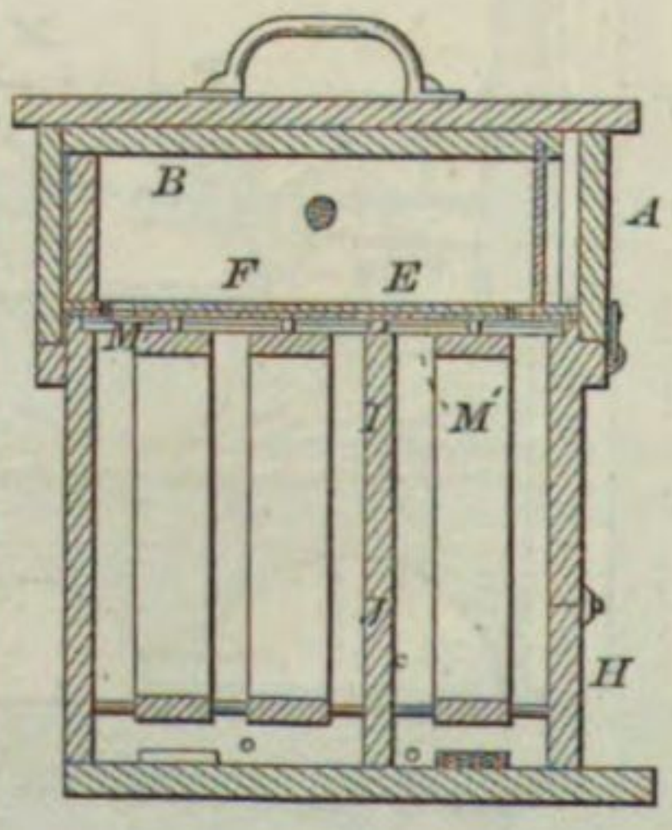


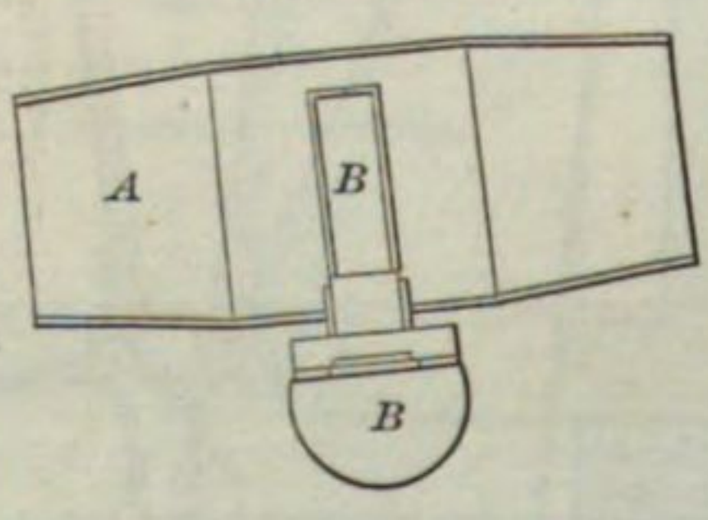
Fig. 3

Fig. 2

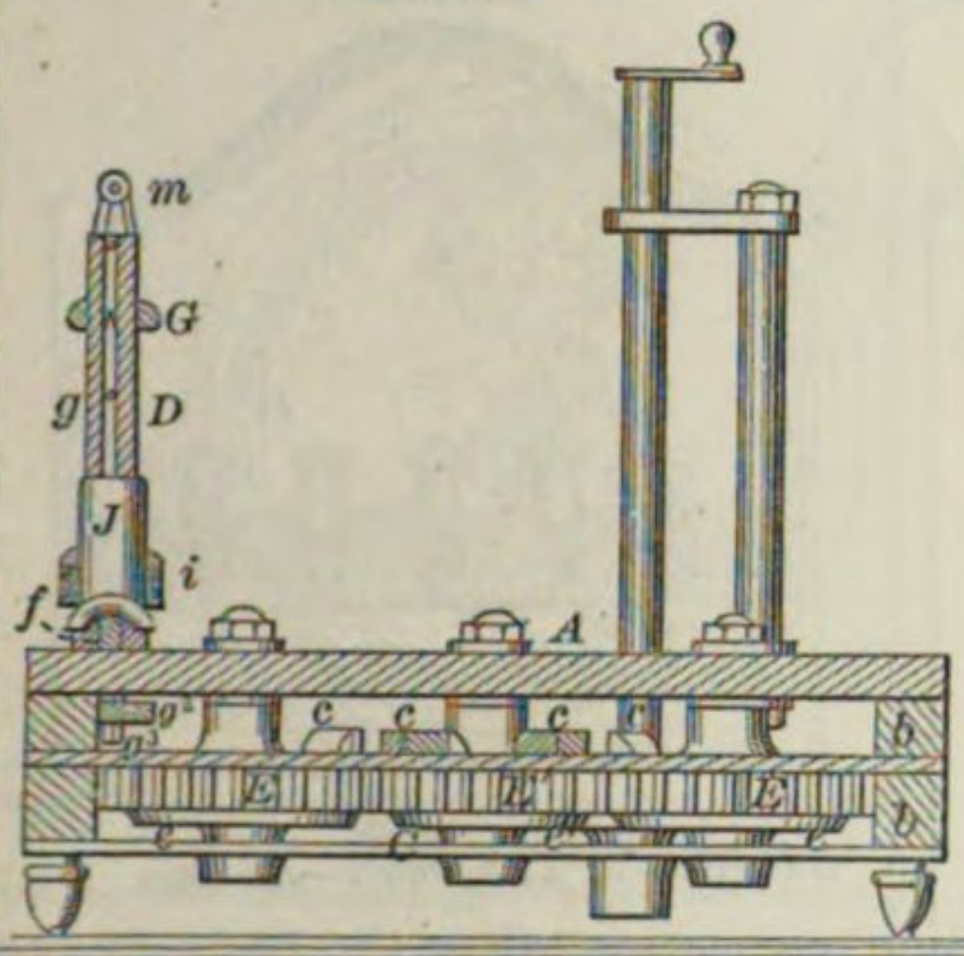
52571—H. Hodgson—*Beehive.*



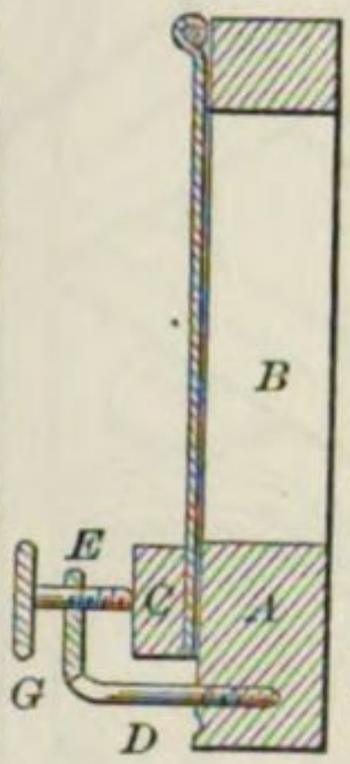
52572—J. L. Hutchinson—*Evaporator for Hot Air Pipes.*



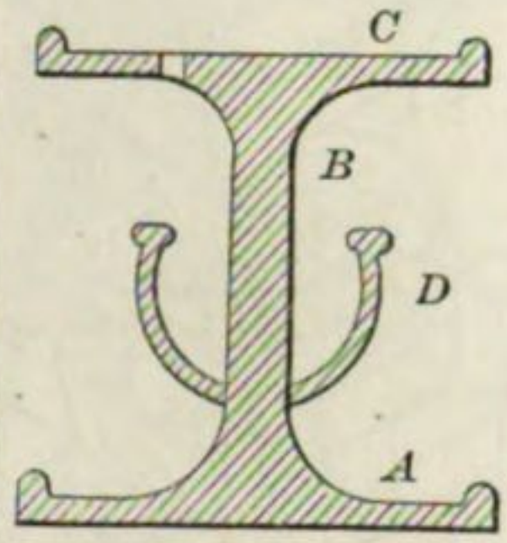
52573—O. M. Inman—*Braiding Machine.*



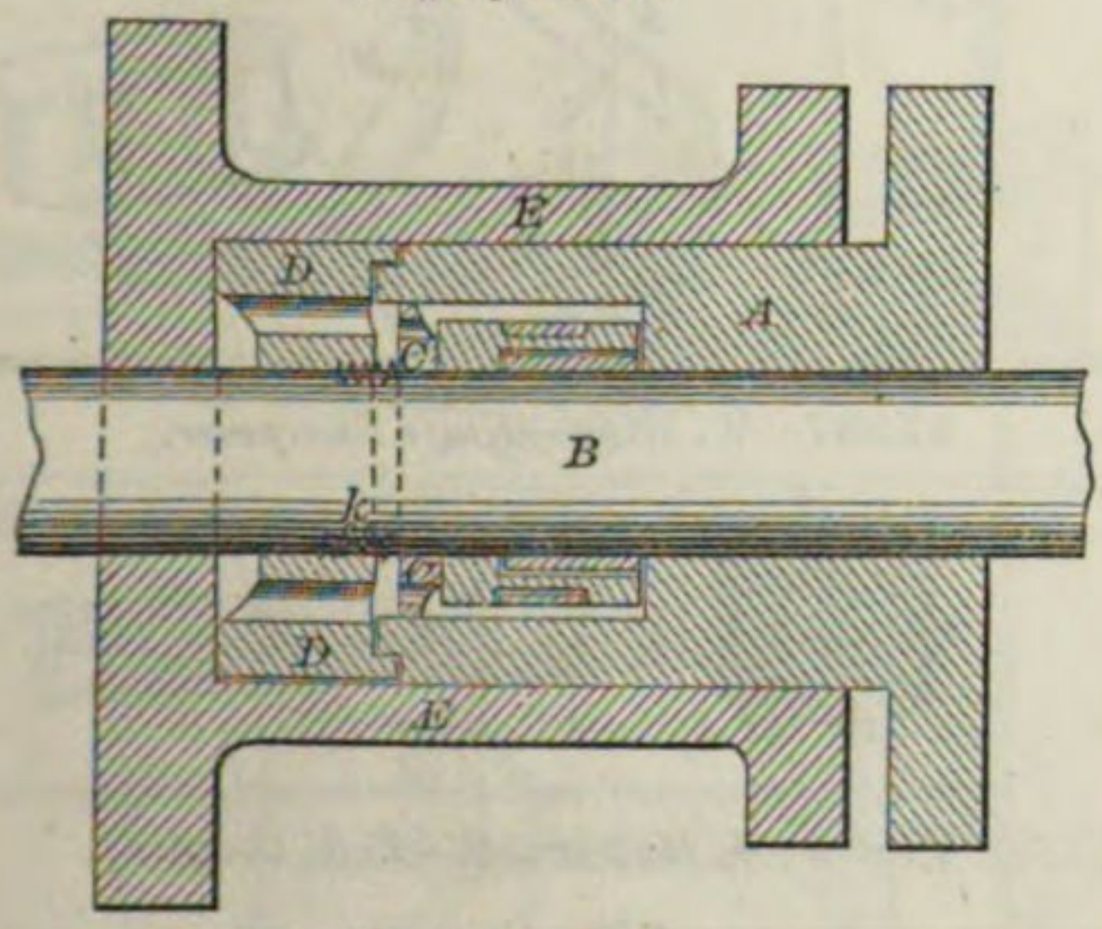
52577—J. F. Landis—*Hanging Curtains, &c.*



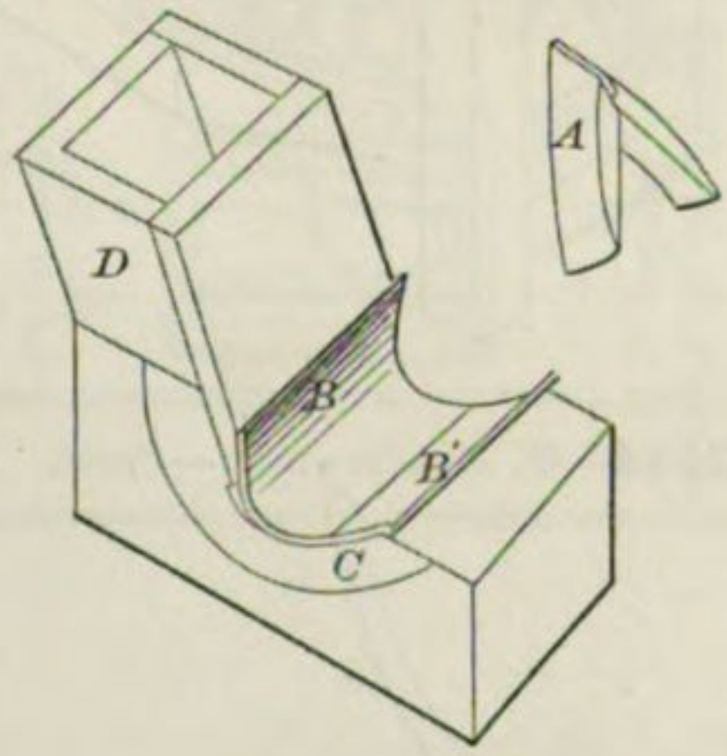
52576—I. W. Lamb—*Dish Stand.*



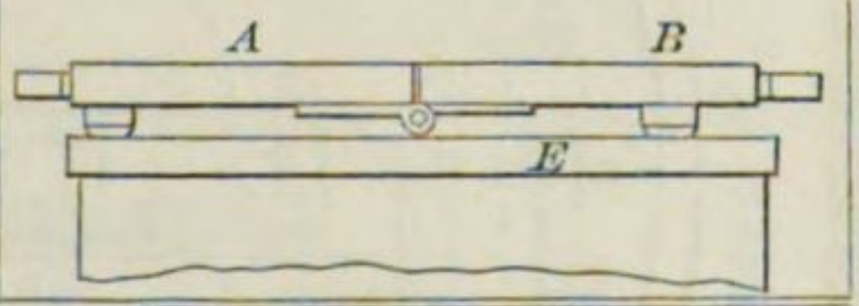
52575—C. F. Jauriet—*Metallic Packing for Stuffing Boxes.*



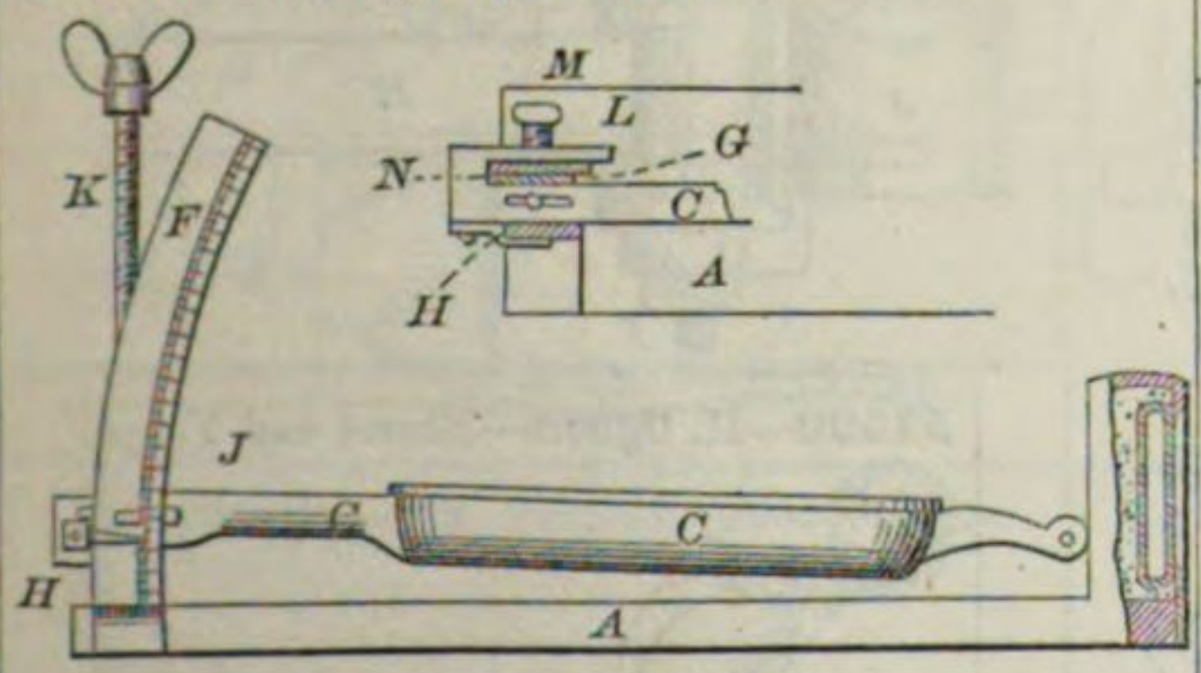
52578—L. M. Larsh—*Water Wheel.*



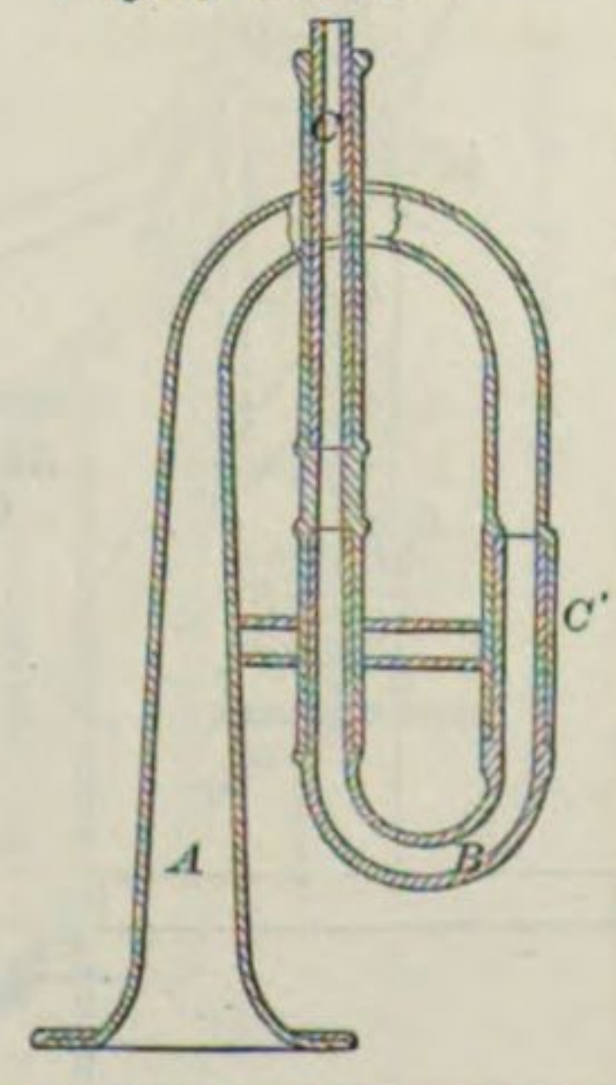
52581—L. H. Sondheim—*Seat for Water Closets.*



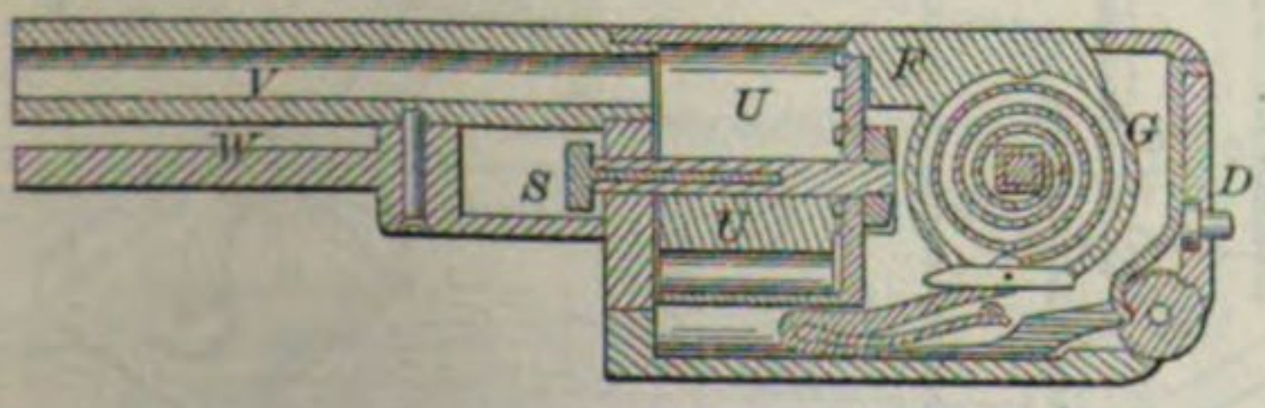
52579—R. Ledig—*Spirit Level.*



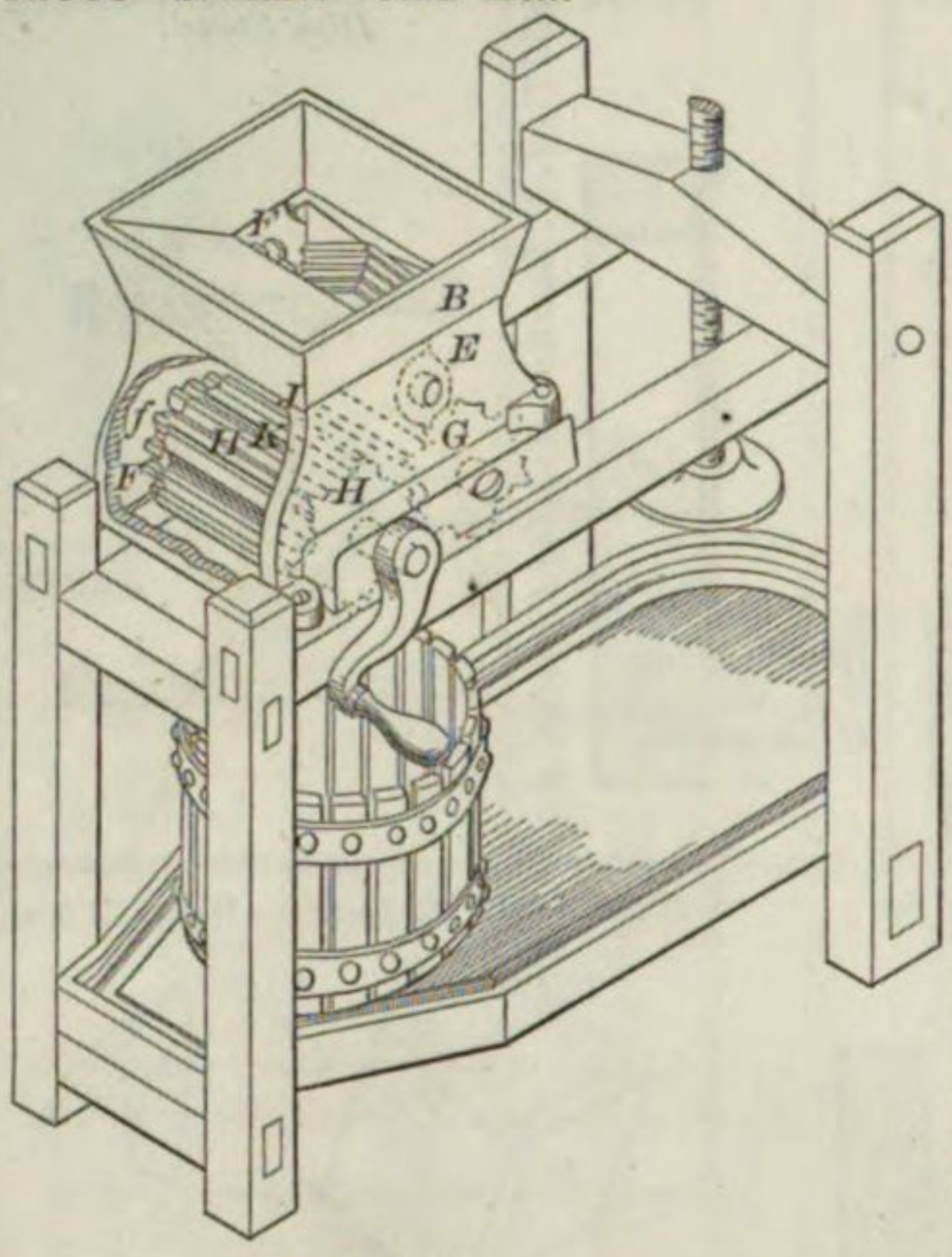
52580—H. G. Lehnert—*Bugles, Horns, &c.*



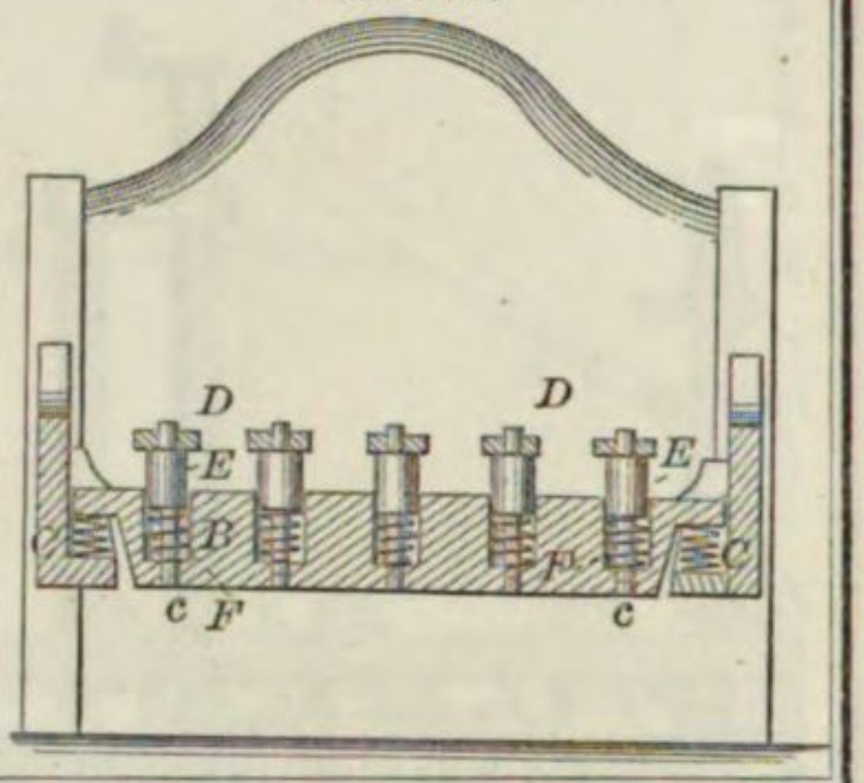
52582—B. T. Loomis—*Revolving Fire Arm.*



52583—S. Males—*Cider Mill.*



52585—J. B. McClanathan—*Spring Bedstead.*



52589—B. T. Nichols—*Stirrup.*

Fig. 1

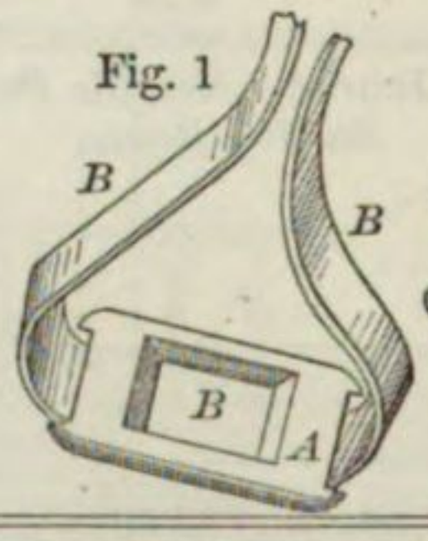
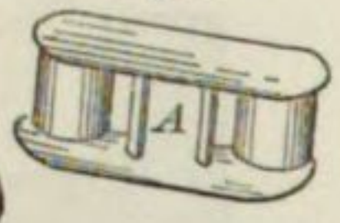
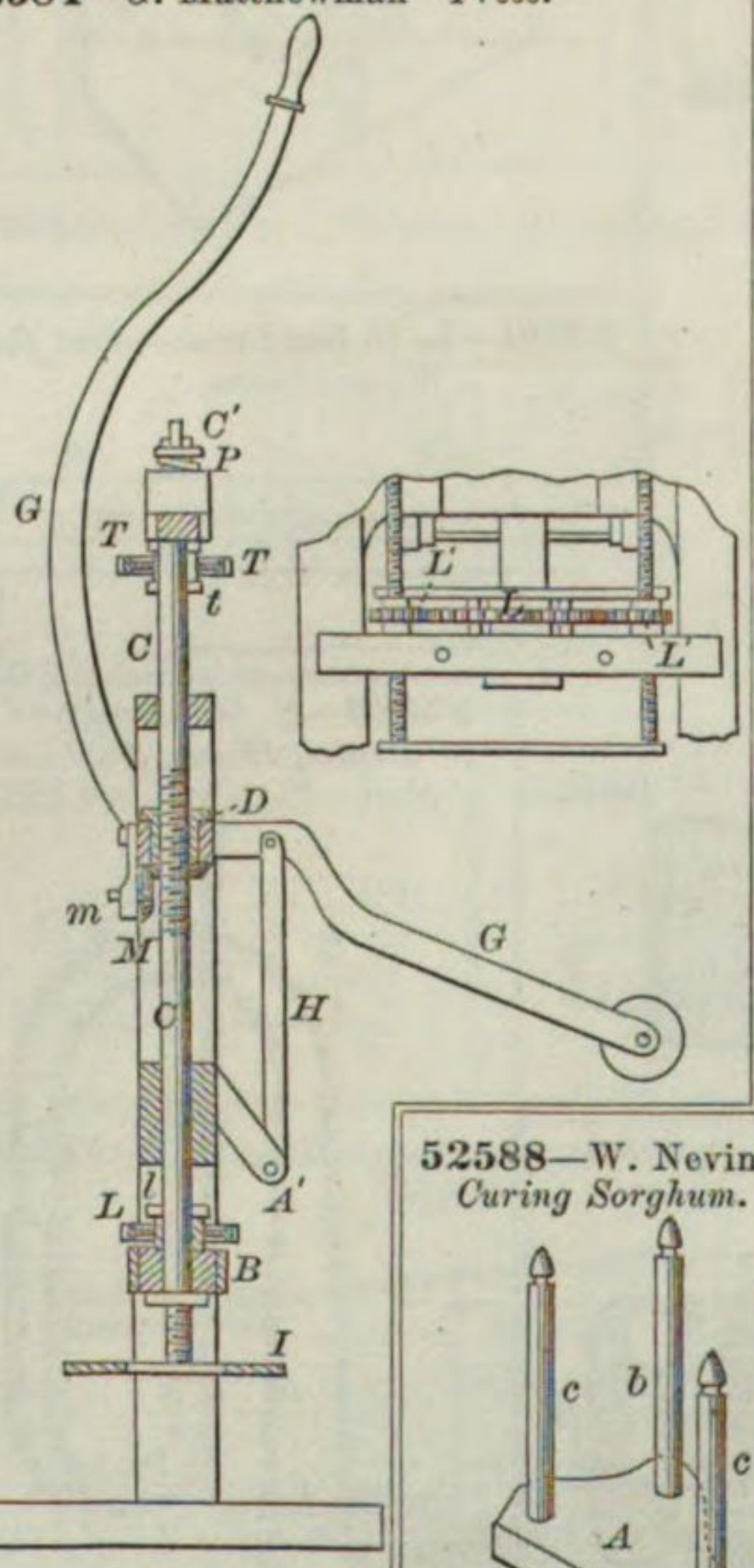


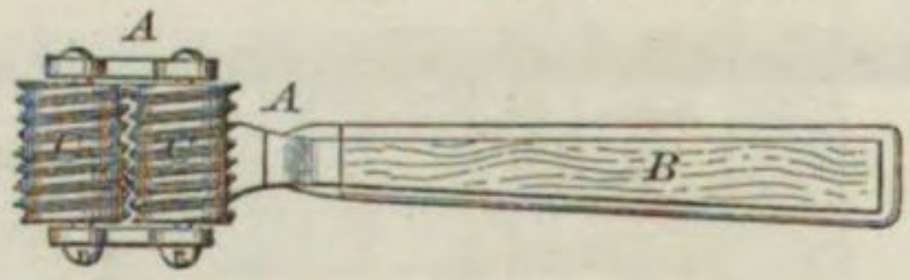
Fig. 2



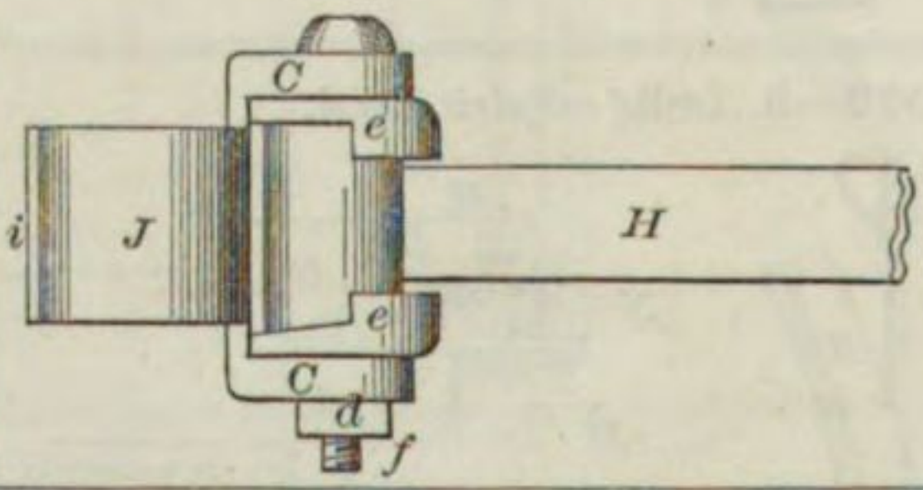
52584—G. Matthewman—*Press.*



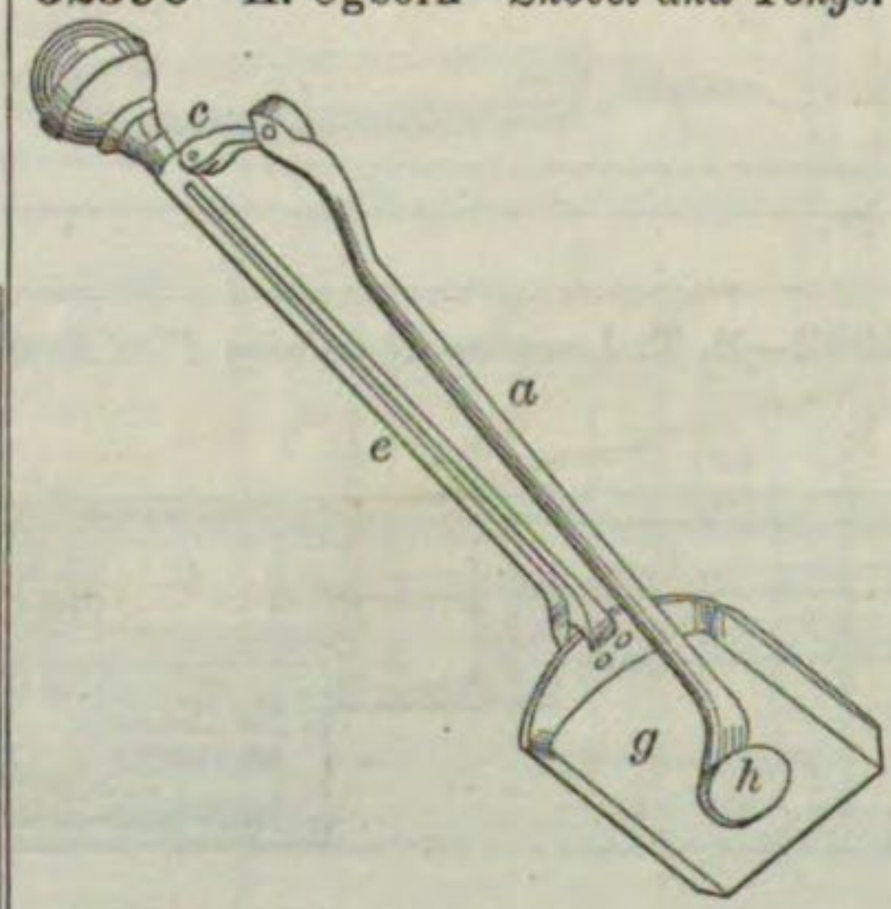
52587—W. Nash—*Knife Sharpener.*



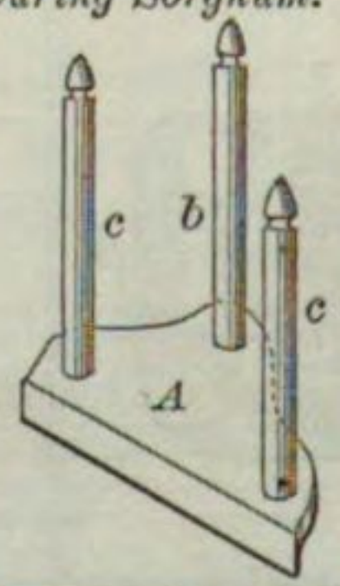
52586—J. McDermott—*Thill Coupling.*



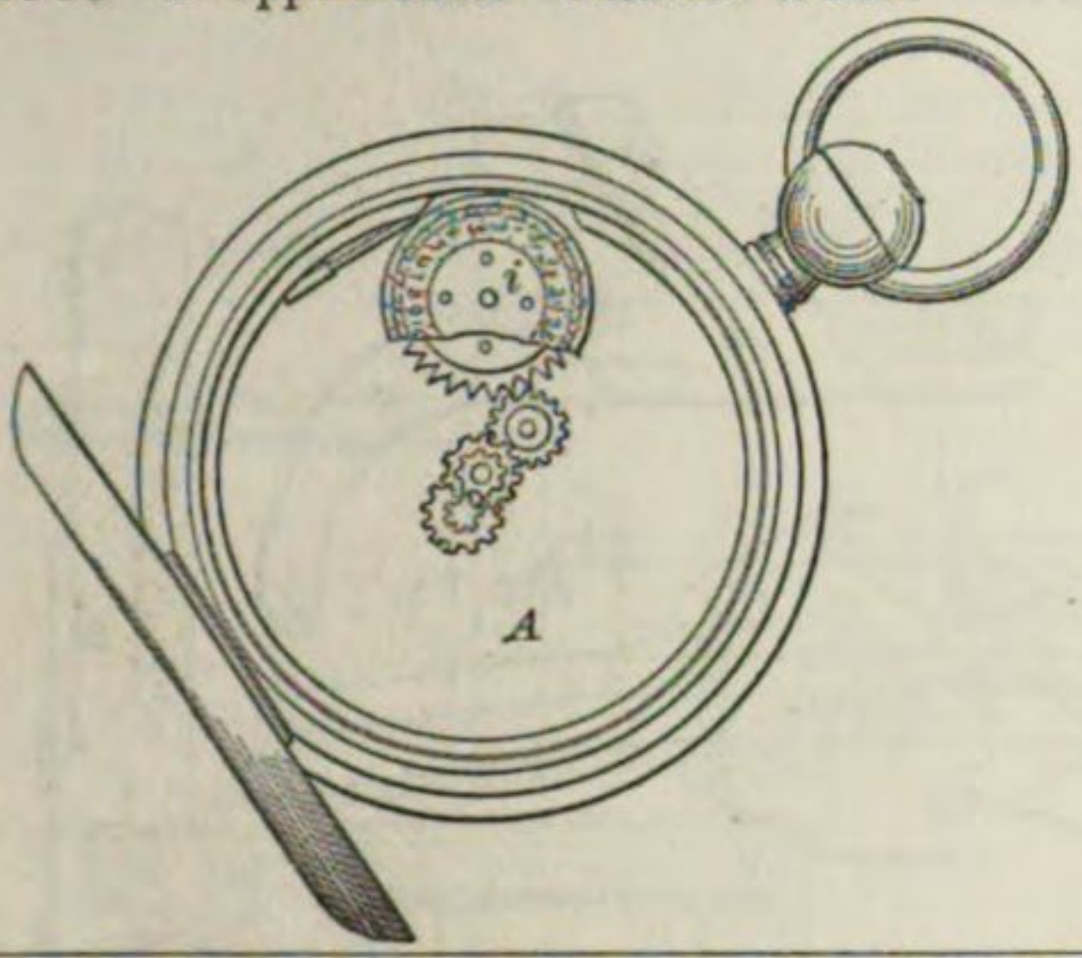
52590—H. Ogborn—*Shovel and Tongs.*



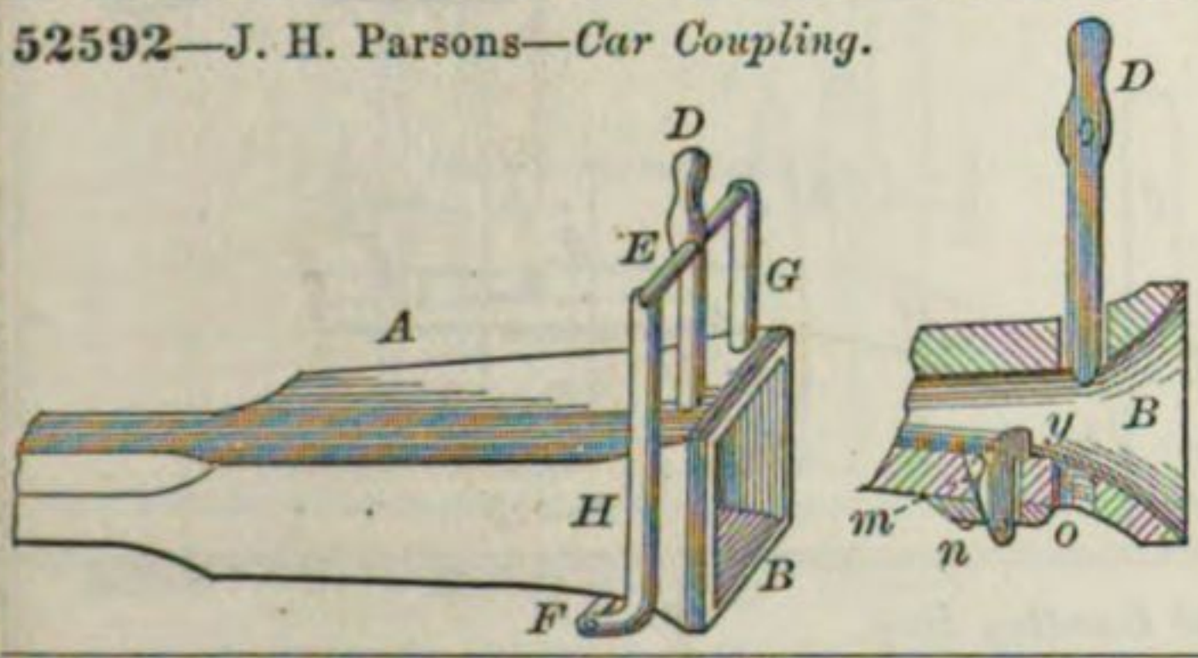
52588—W. Nevins—*Curing Sorghum.*



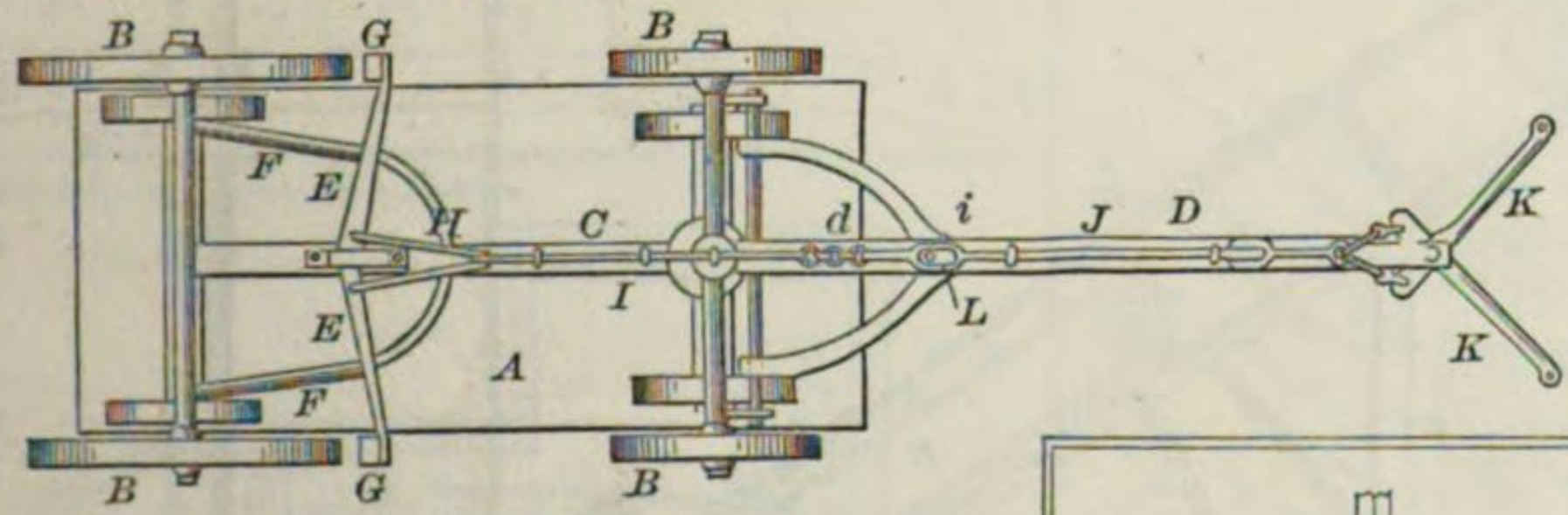
52591—E. Oppenheimer—*Calendar Watch.*



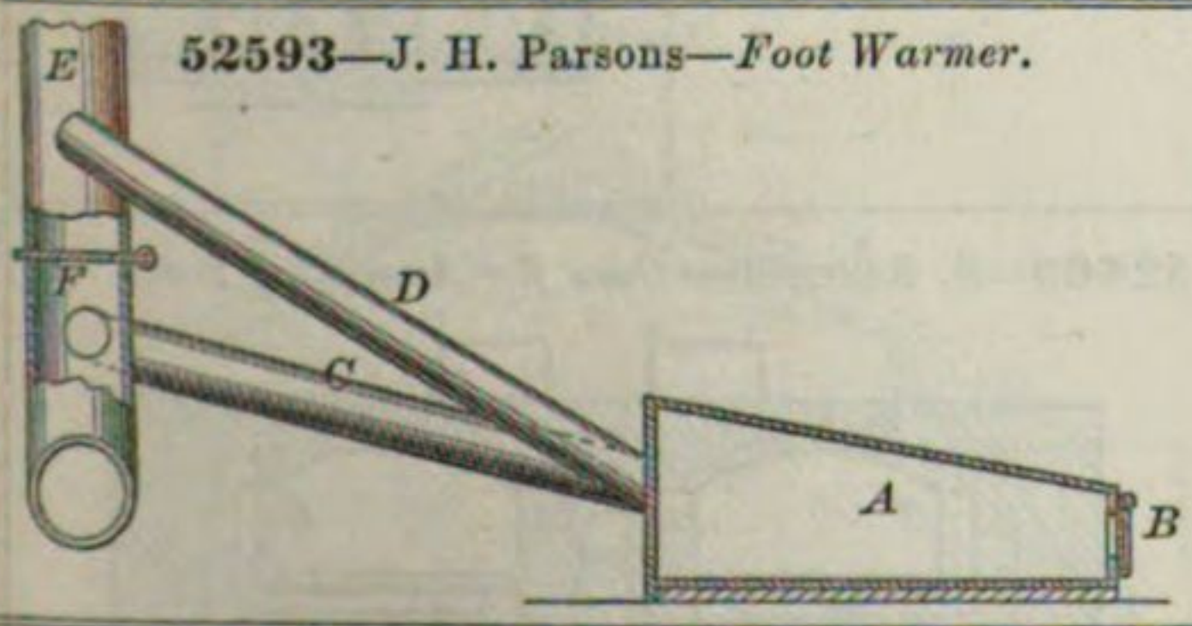
52592—J. H. Parsons—*Car Coupling.*



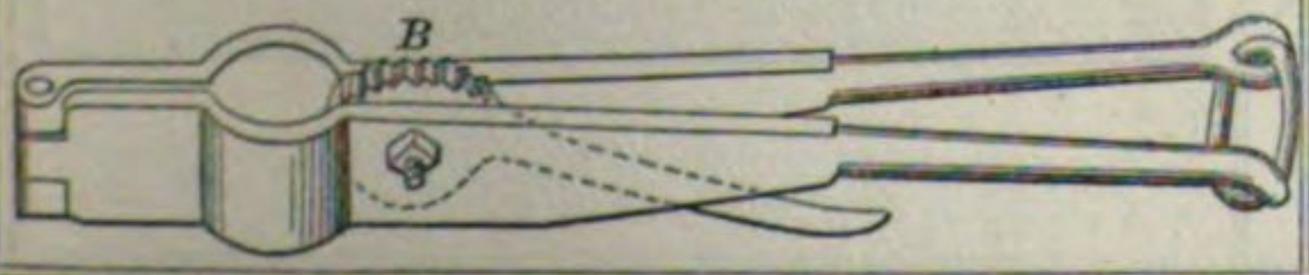
52595—L. C. Percival—*Wagon Brake.*



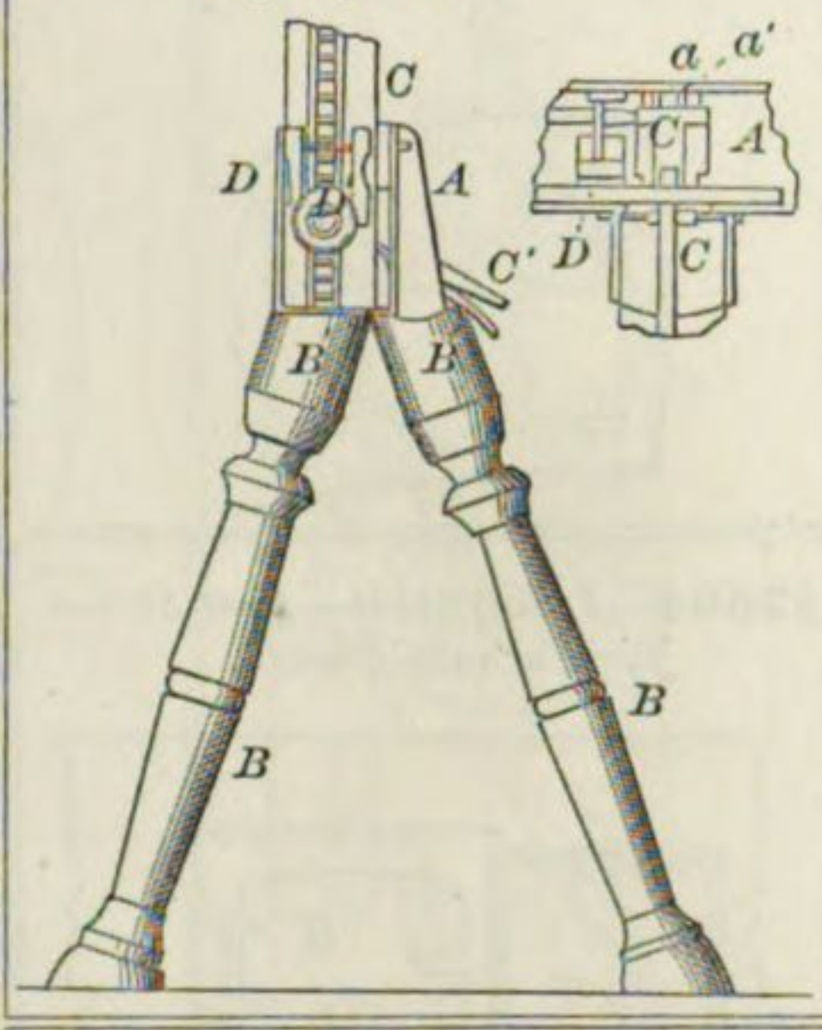
52593—J. H. Parsons—*Foot Warmer.*



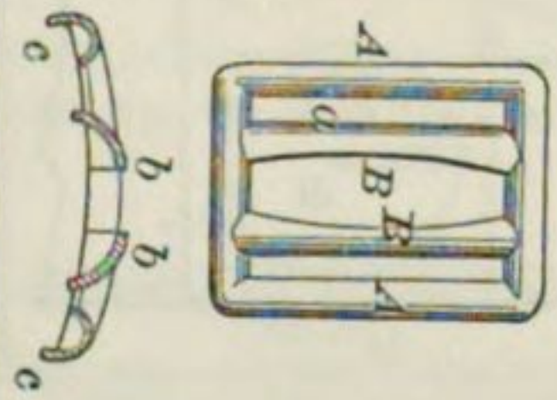
52594—W. Parsons—*Securing Pipes in Oil Wells.*



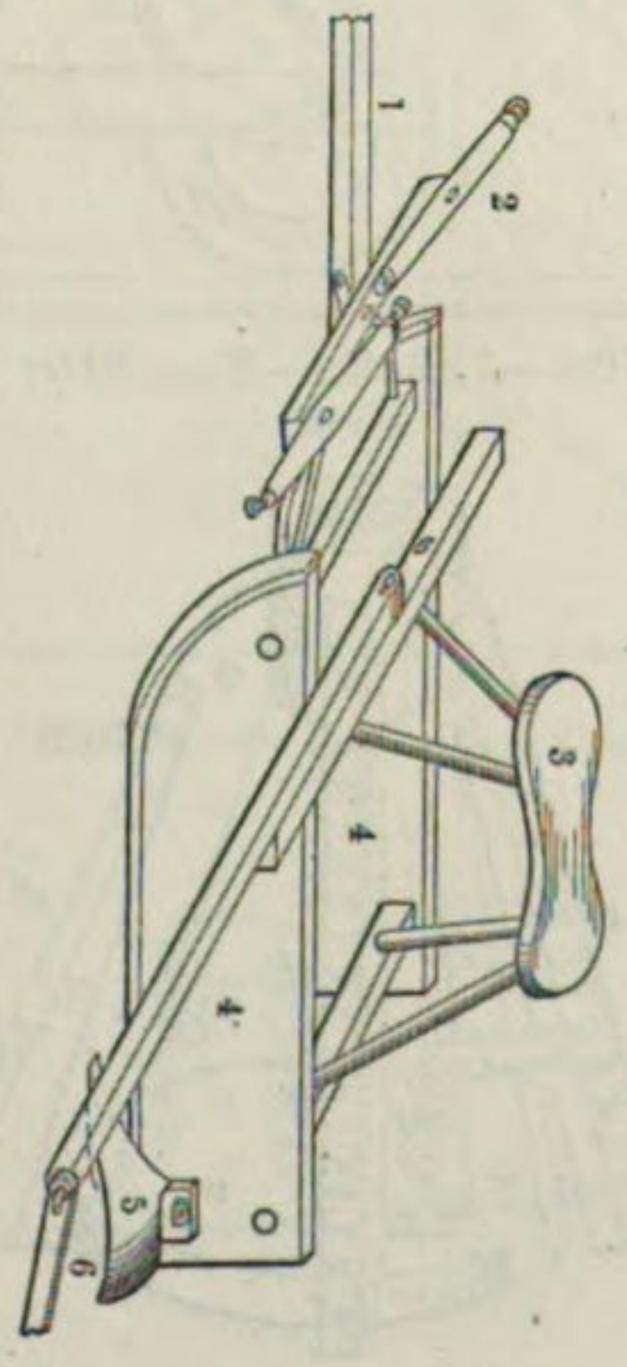
52596—J. W. Pettengill—*Lifting Jack.*



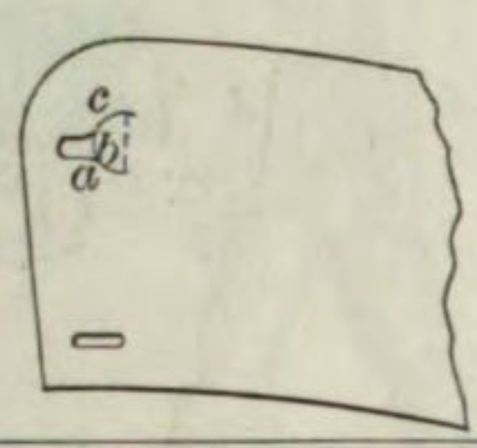
52597—I. N. Plotts—*Buckle.*



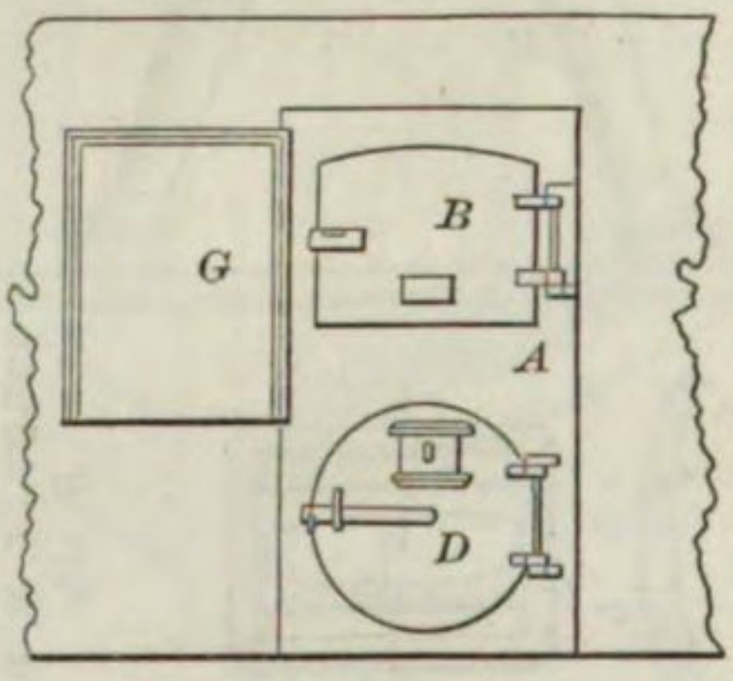
52598—J. Plumb—*Furrower for Corn Planting.*



52599—B. F. Porter—*Buttonhole for Paper Collars.*



52604—J. Reynolds—*Dust Screen for Furnace Doors.*



52600—T. W. Porter—*Vehicle.*

Fig. 3

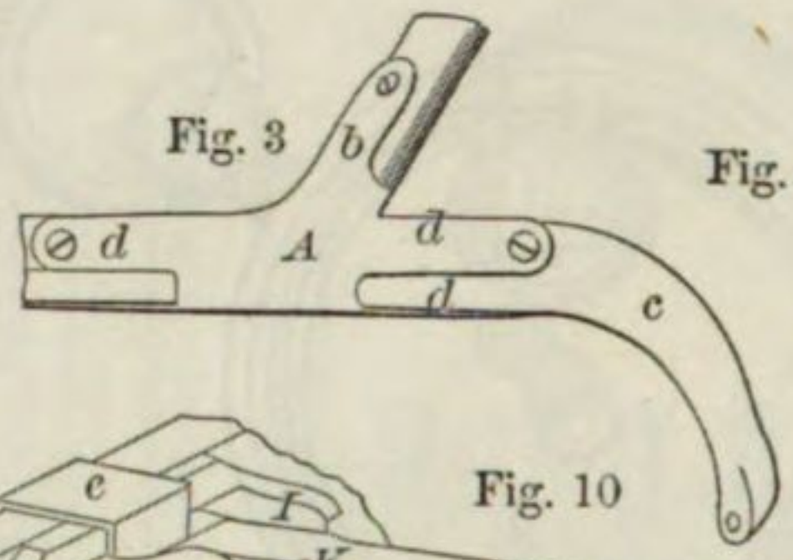


Fig. 8

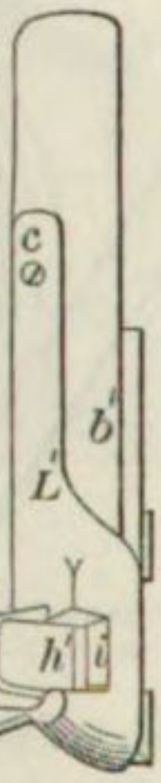
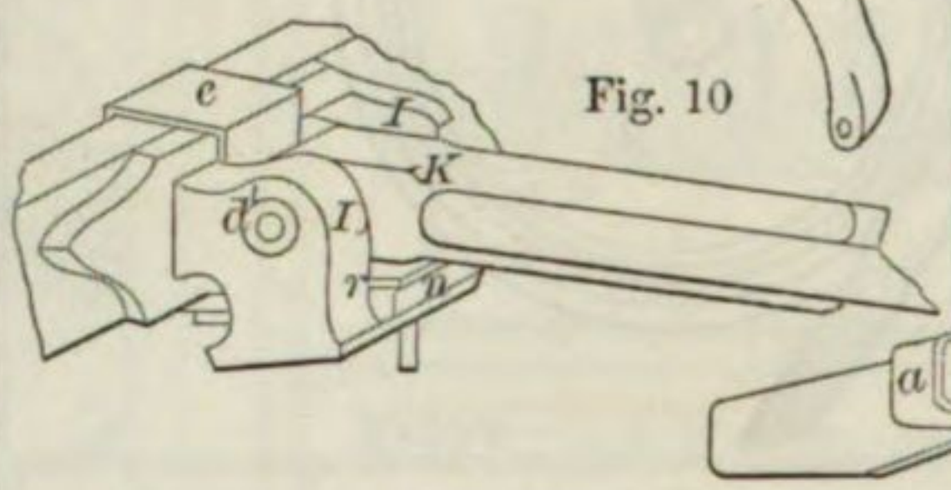
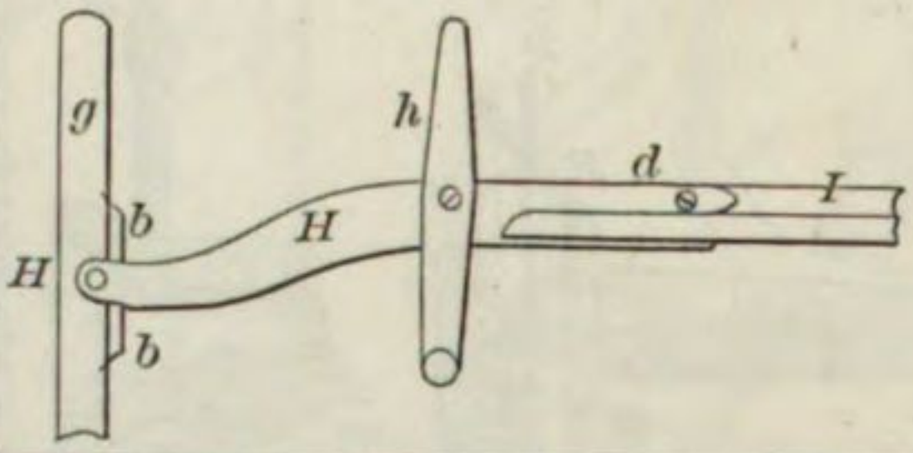
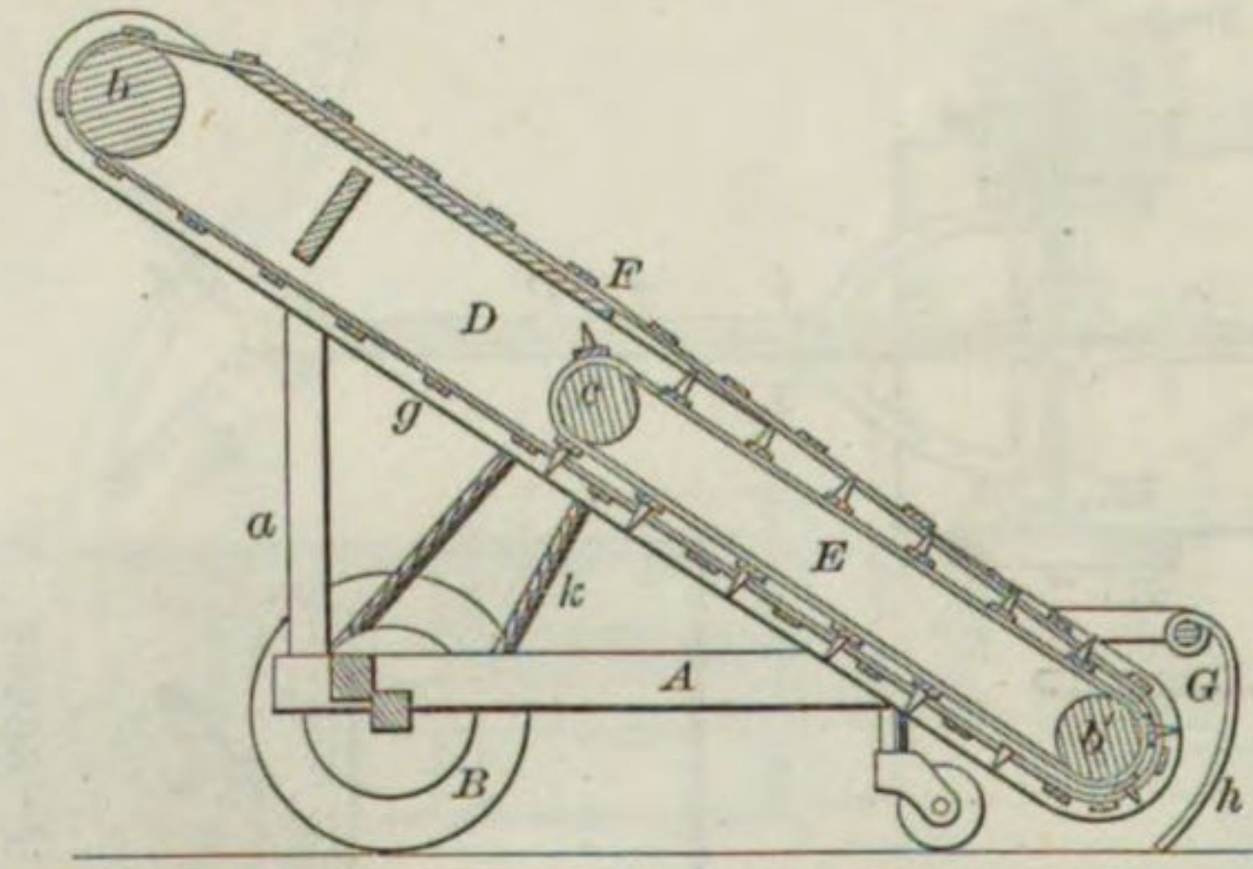


Fig. 10

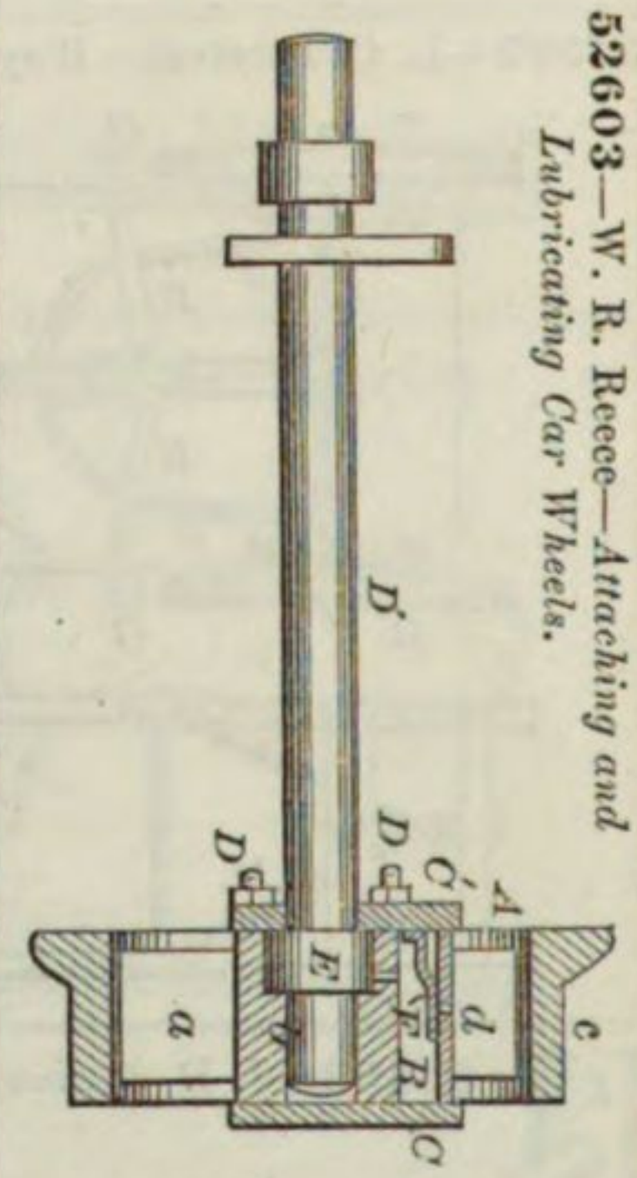




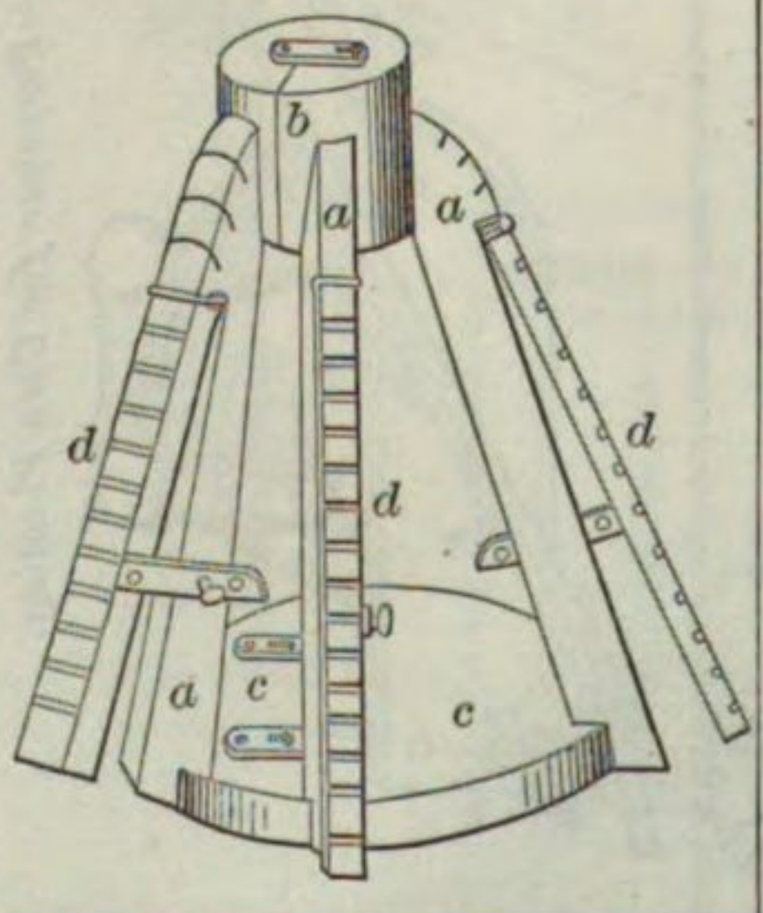
52601—J. S. Preston—*For Raking and Loading Hay.*



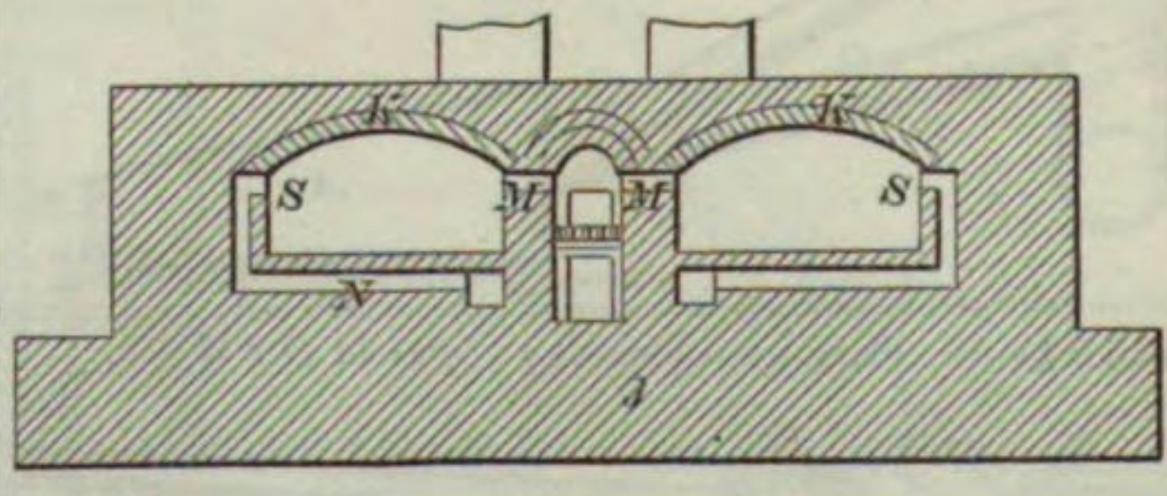
52603—W. R. Reece—*Attaching and Lubricating Car Wheels.*



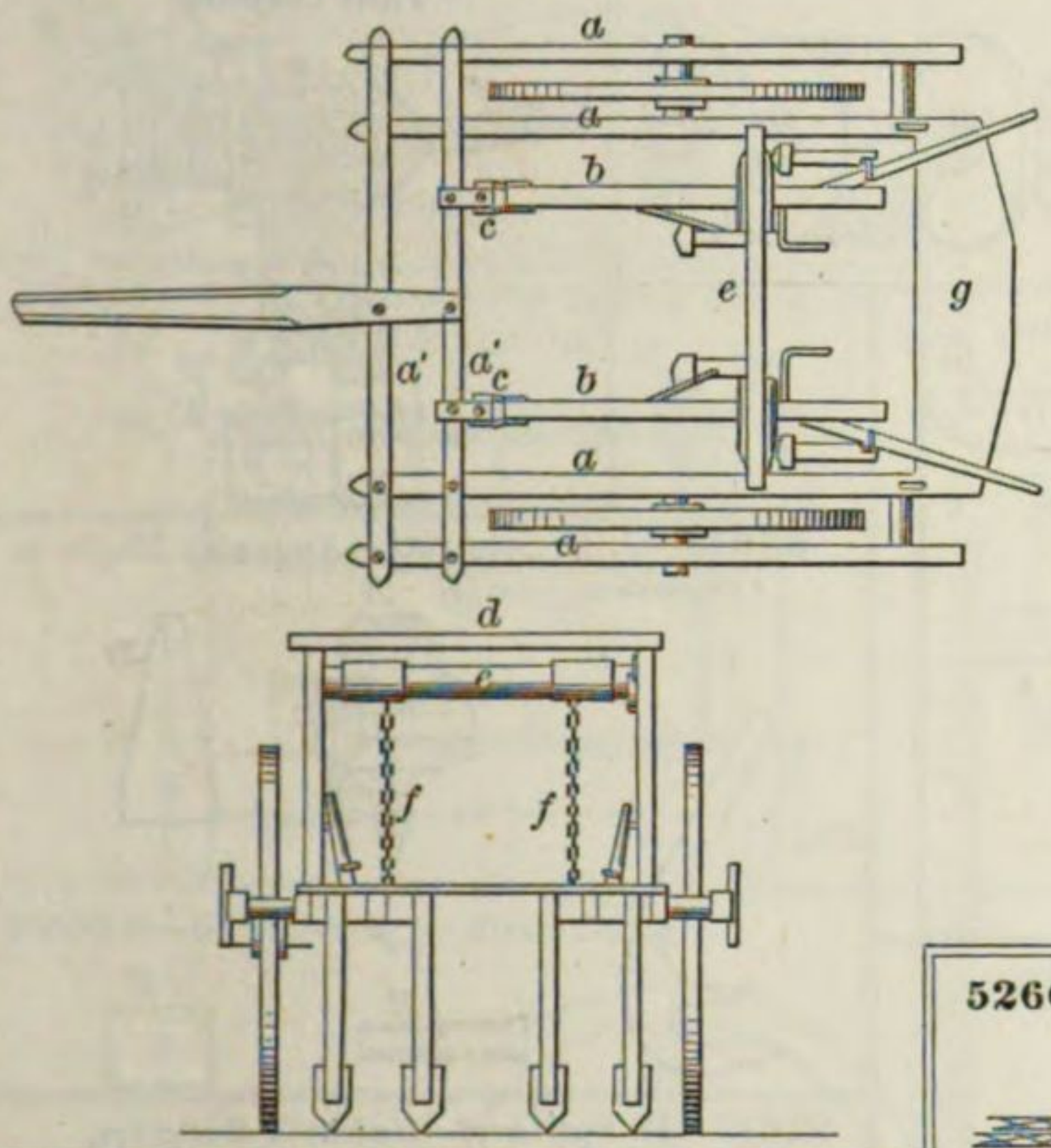
52602—A. Raffel—*Hoop Skirt Former.*



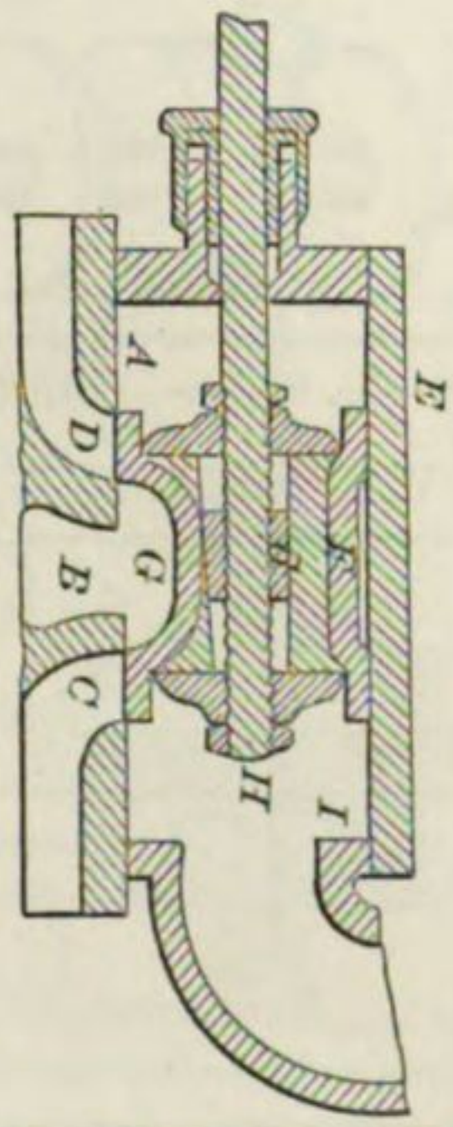
52605—S. Reynolds—*Oven for Annealing Iron.*



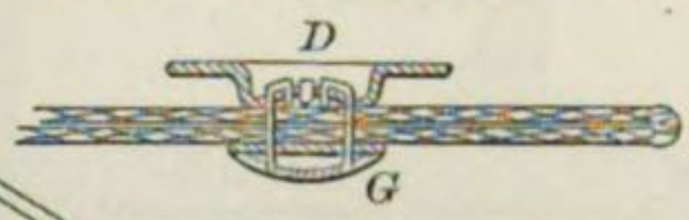
52606—H. Rice—*Cultivator.*



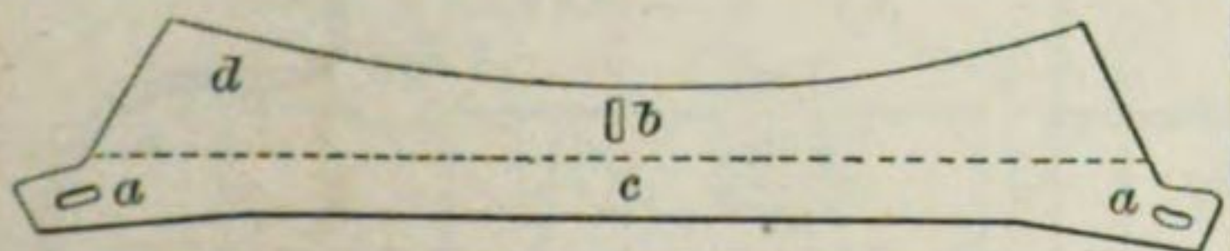
52609—F. H. Richards—*Balanced Slide Valve.*



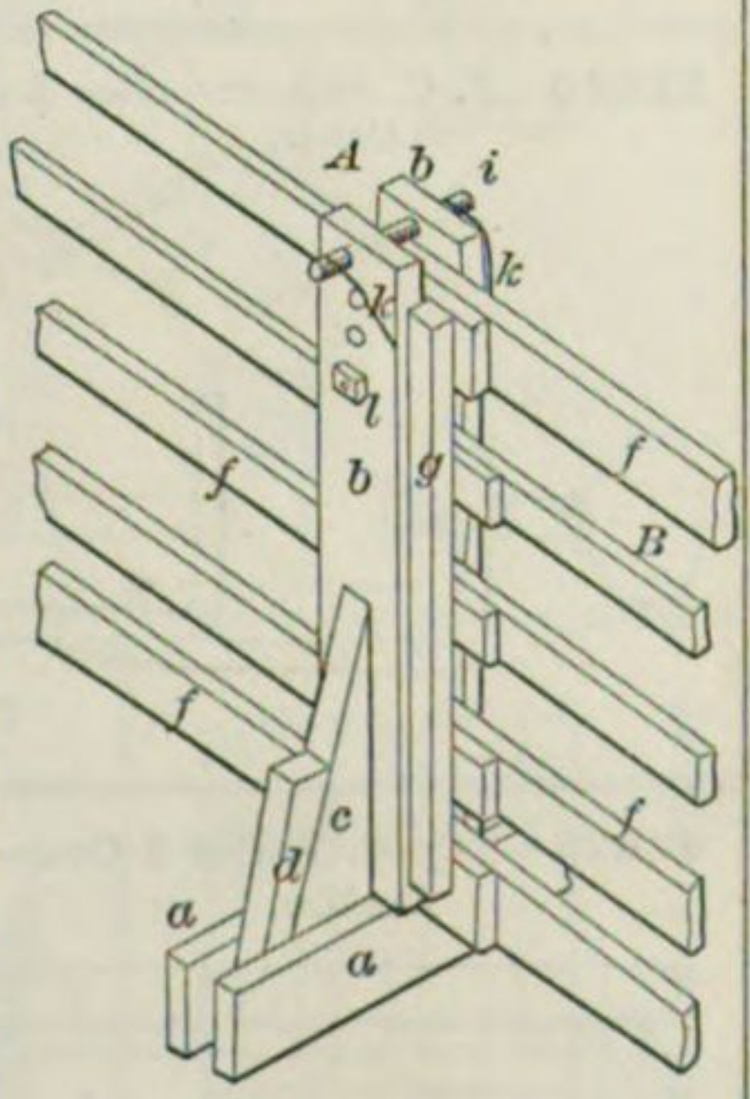
52608—C. E. Richards—*Button.*



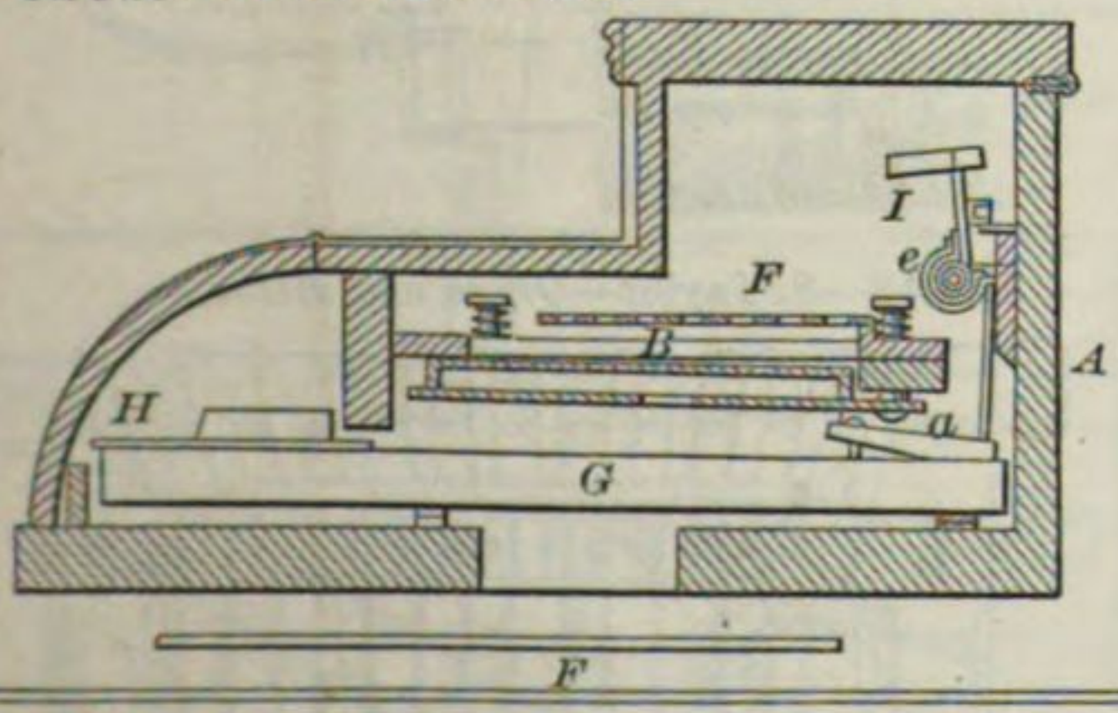
52607—C. E. Richards—*Paper Collar.*



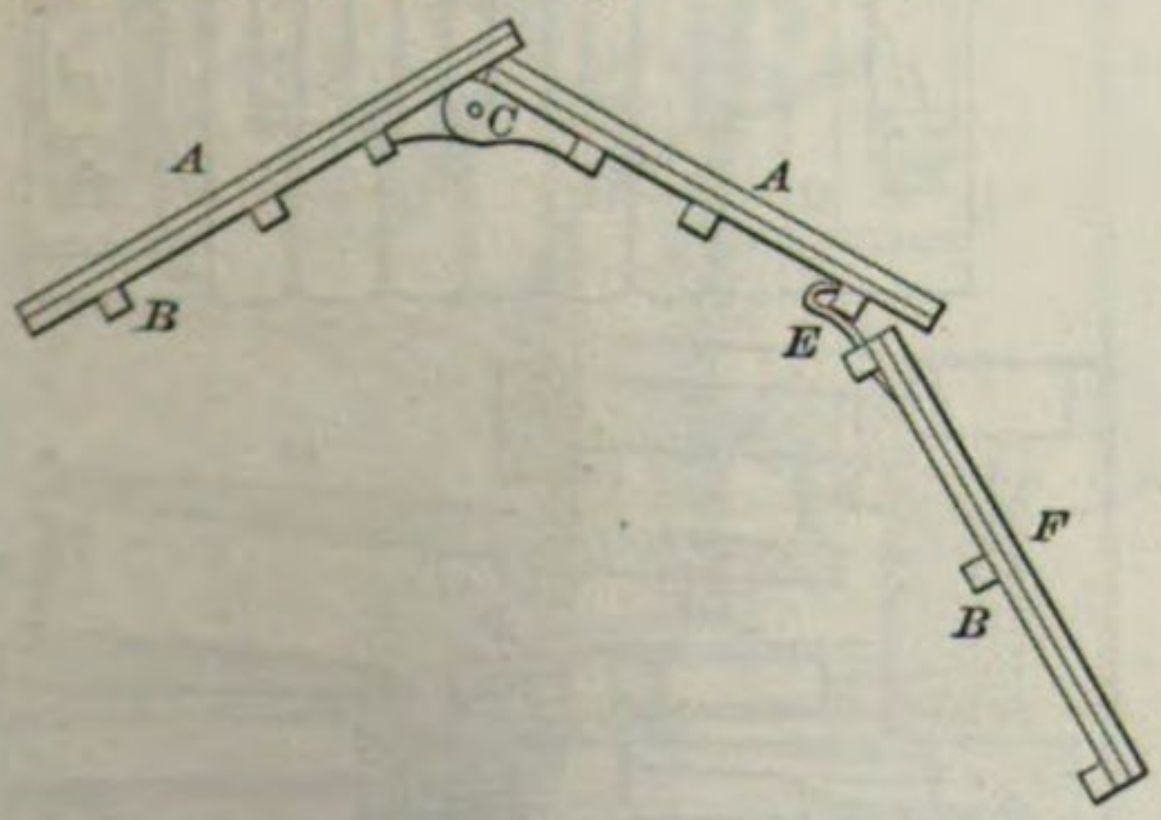
52611—S. Saunders—*Fence.*



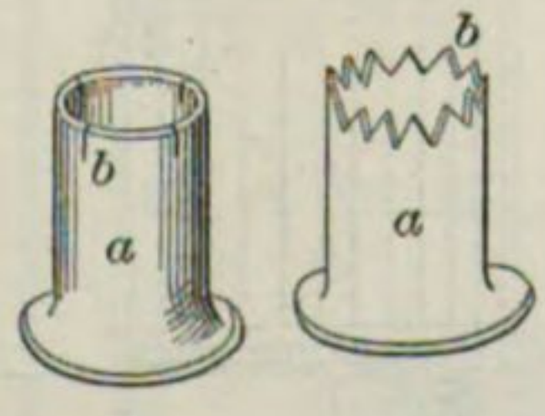
52610—C. Robbins—*Piano.*



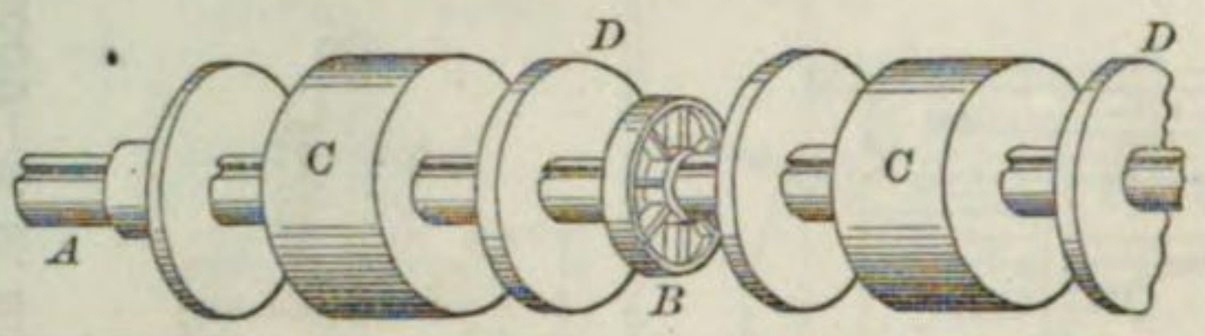
52613—M. Simmons—*Roof.*



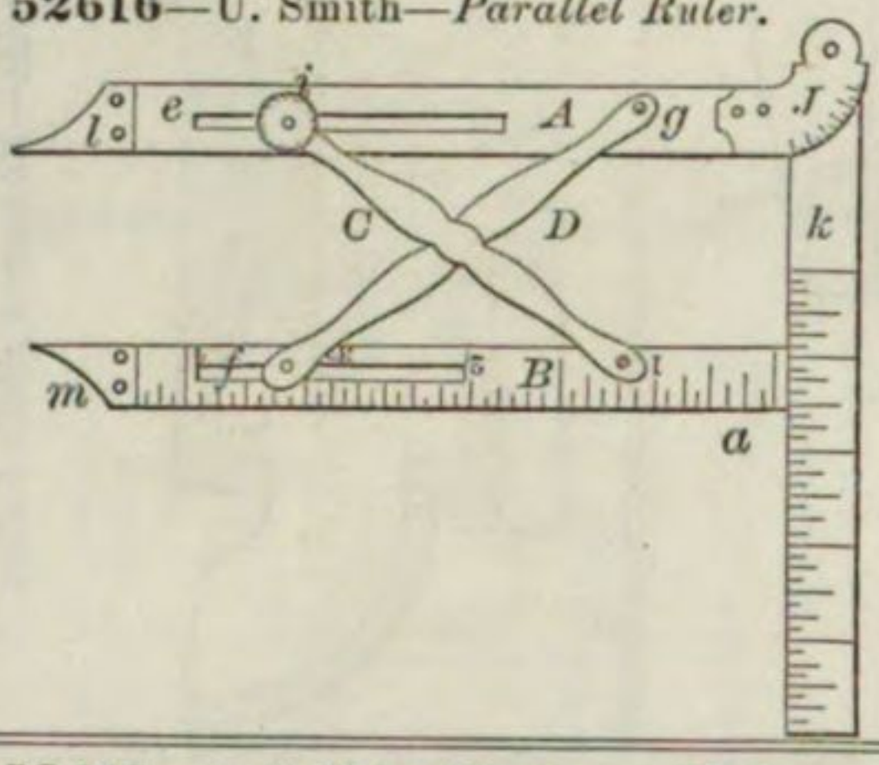
52614—C. D. Smith—*Eyelet.*



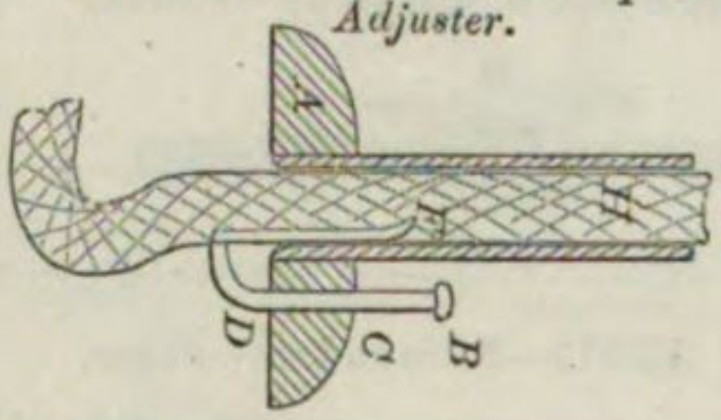
52615—H. E. Smith—*Roll for Clothes Wringers.*



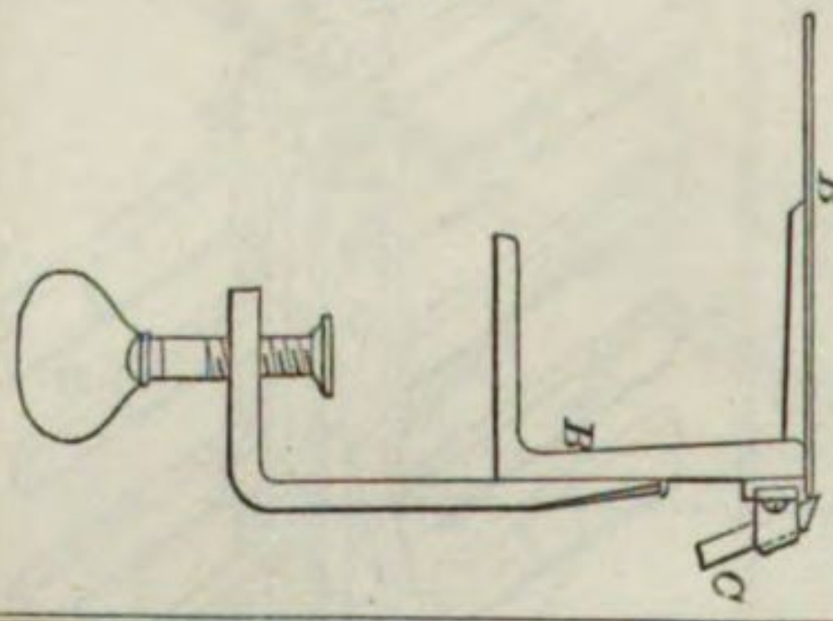
52616—U. Smith—*Parallel Ruler.*



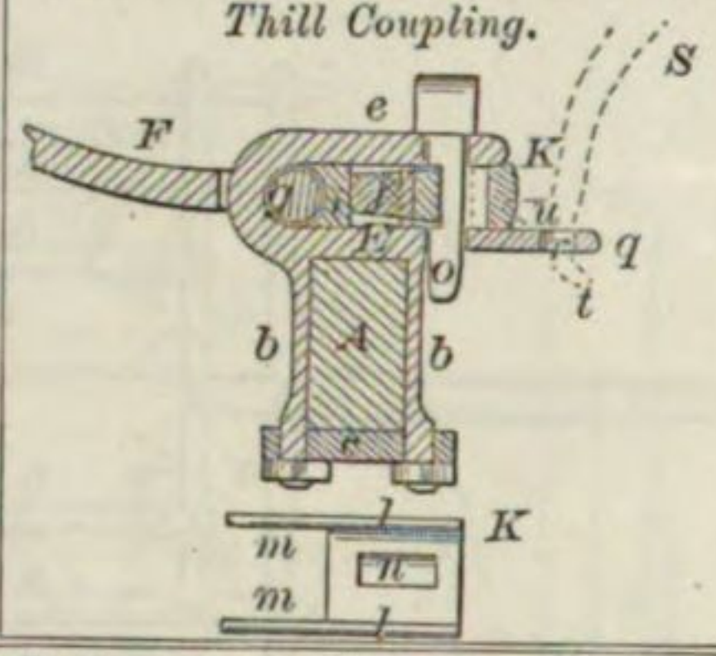
52618—C. C. Stansell—*Lamp Wick Adjuster.*



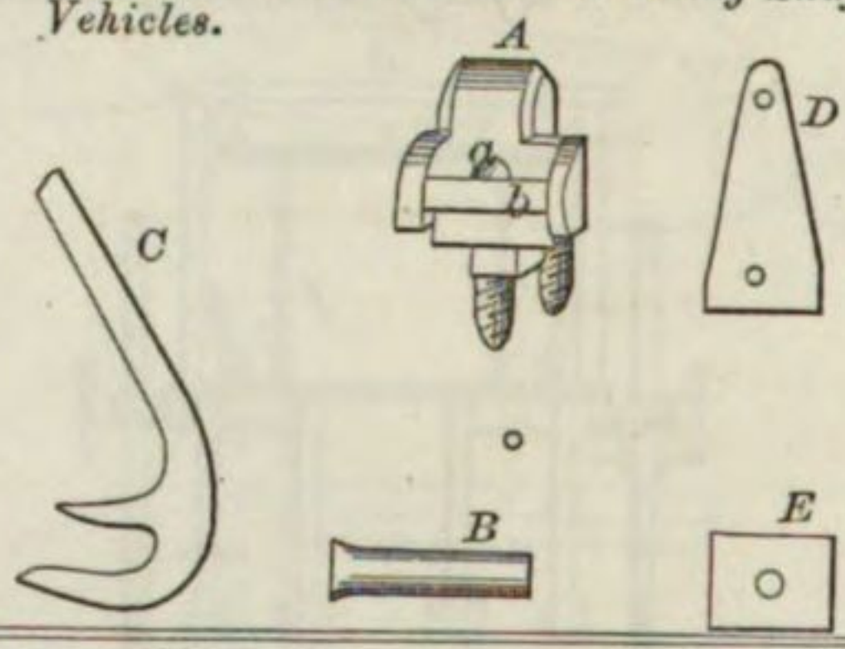
52620—F. C. Sumner—*Shoe Lacing Cutter.*



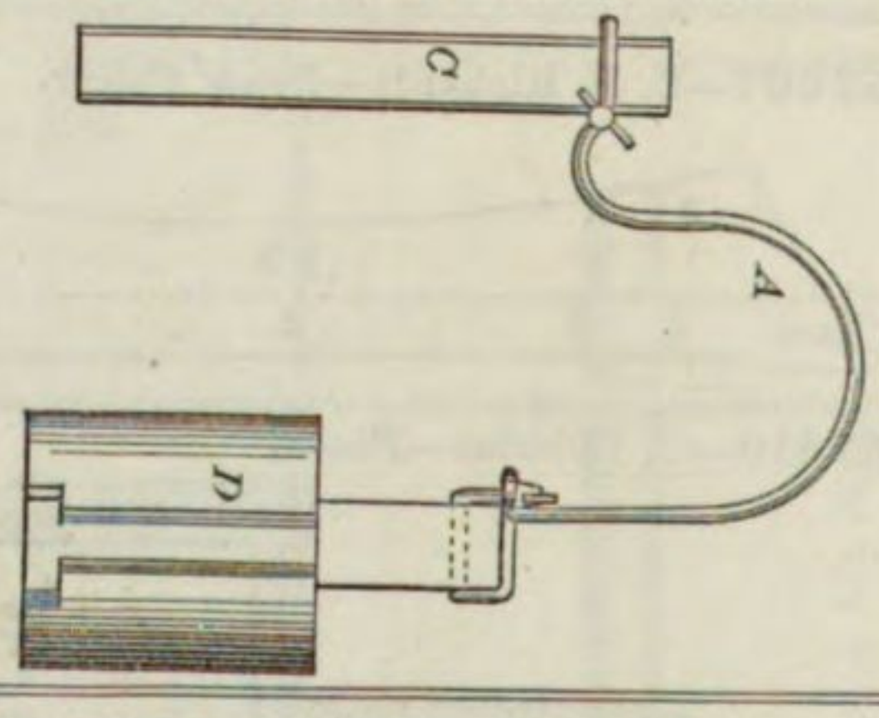
52621—H. L. Taylor—*Pole and Thill Coupling.*



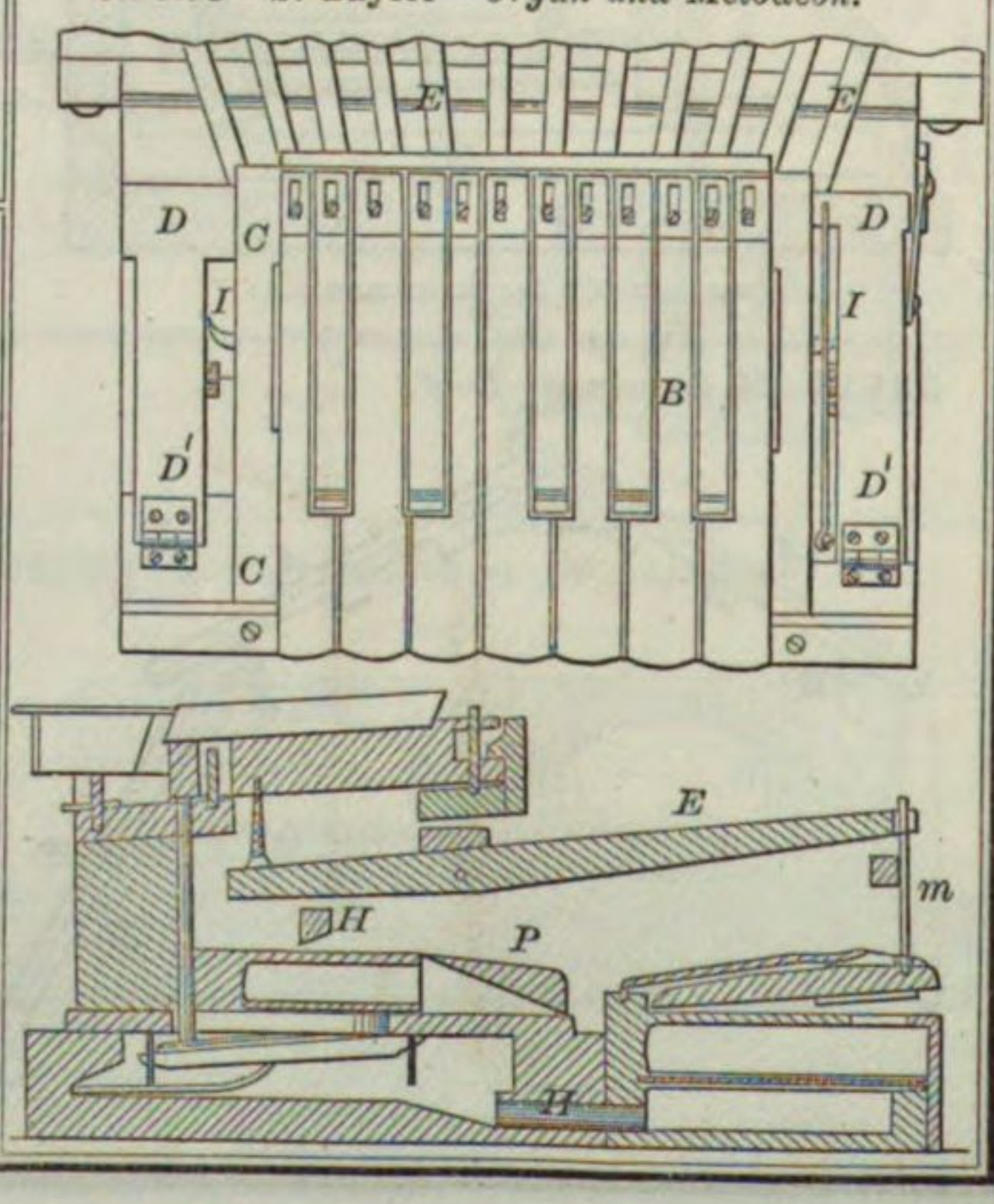
52619—J. L. Sesserott—*Attaching Shafts to Vehicles.*



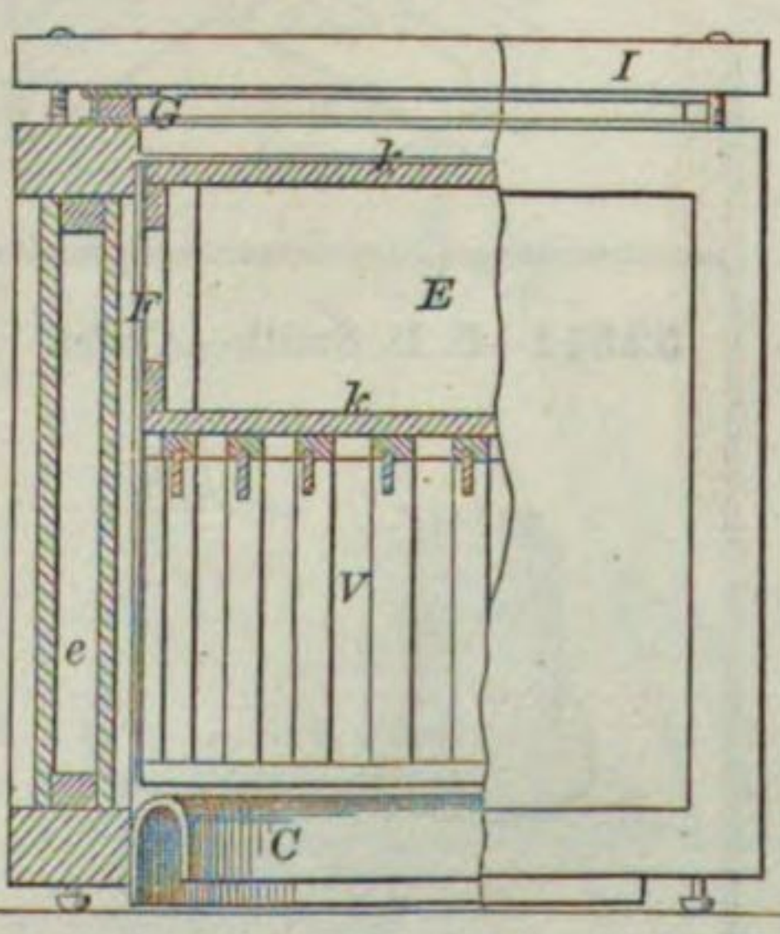
52617—H. Splitdorf—*Galvanic Batteries.*



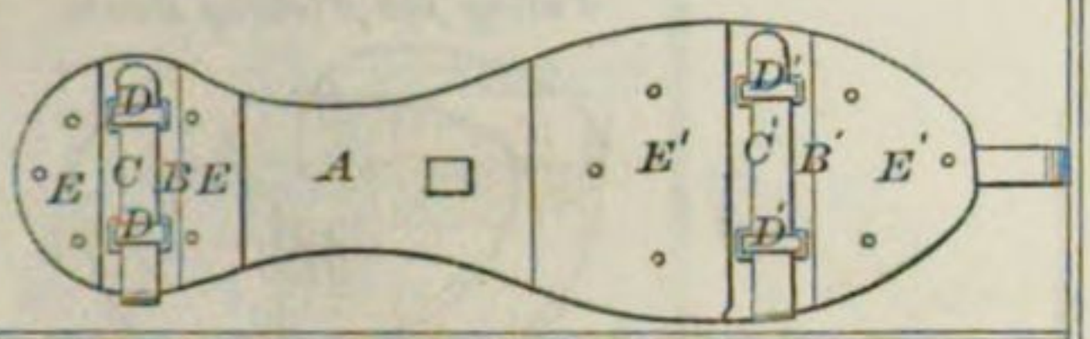
52623—S. Taylor—*Organ and Melodeon.*



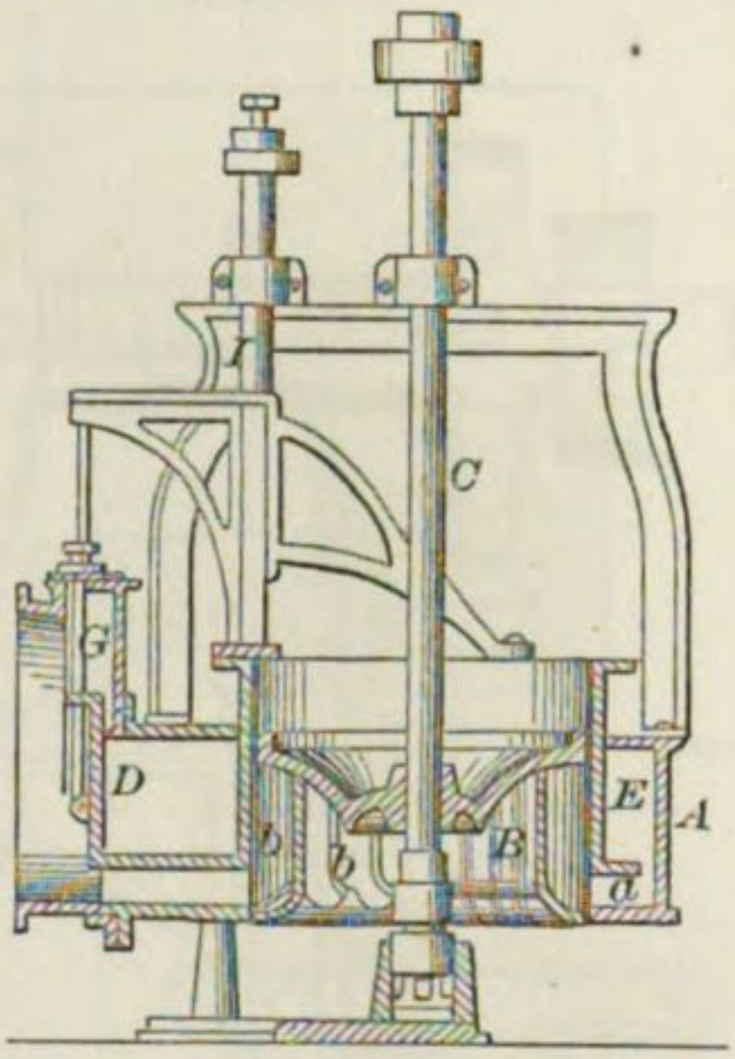
52622—Taylor, Taylor & Cox—*Beehive.*



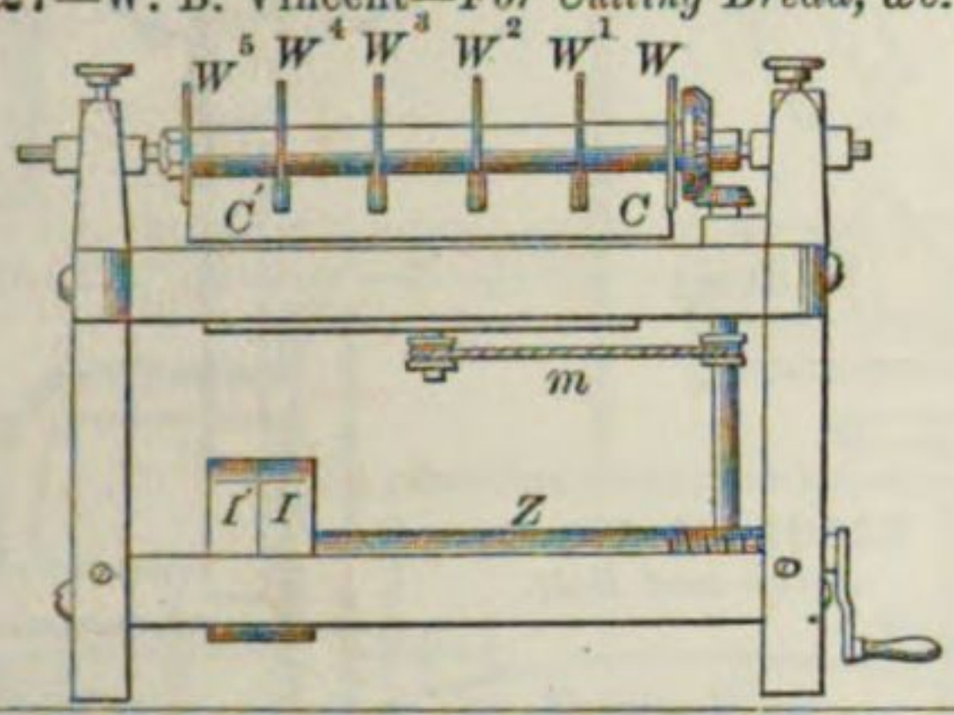
52624—J. R. Tempest—*Skate.*



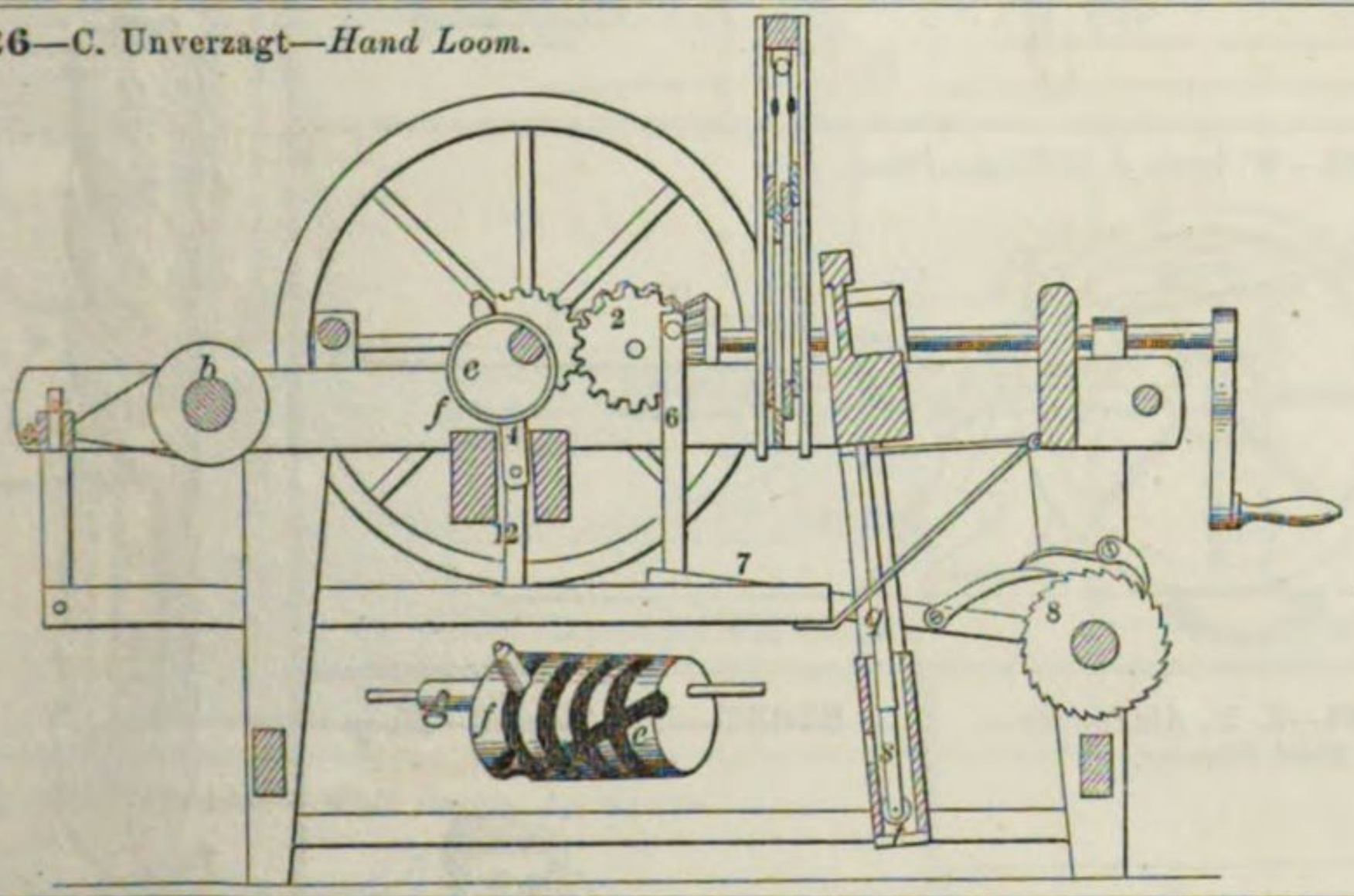
52625—J. Tyler—*Turbine Water Wheel.*



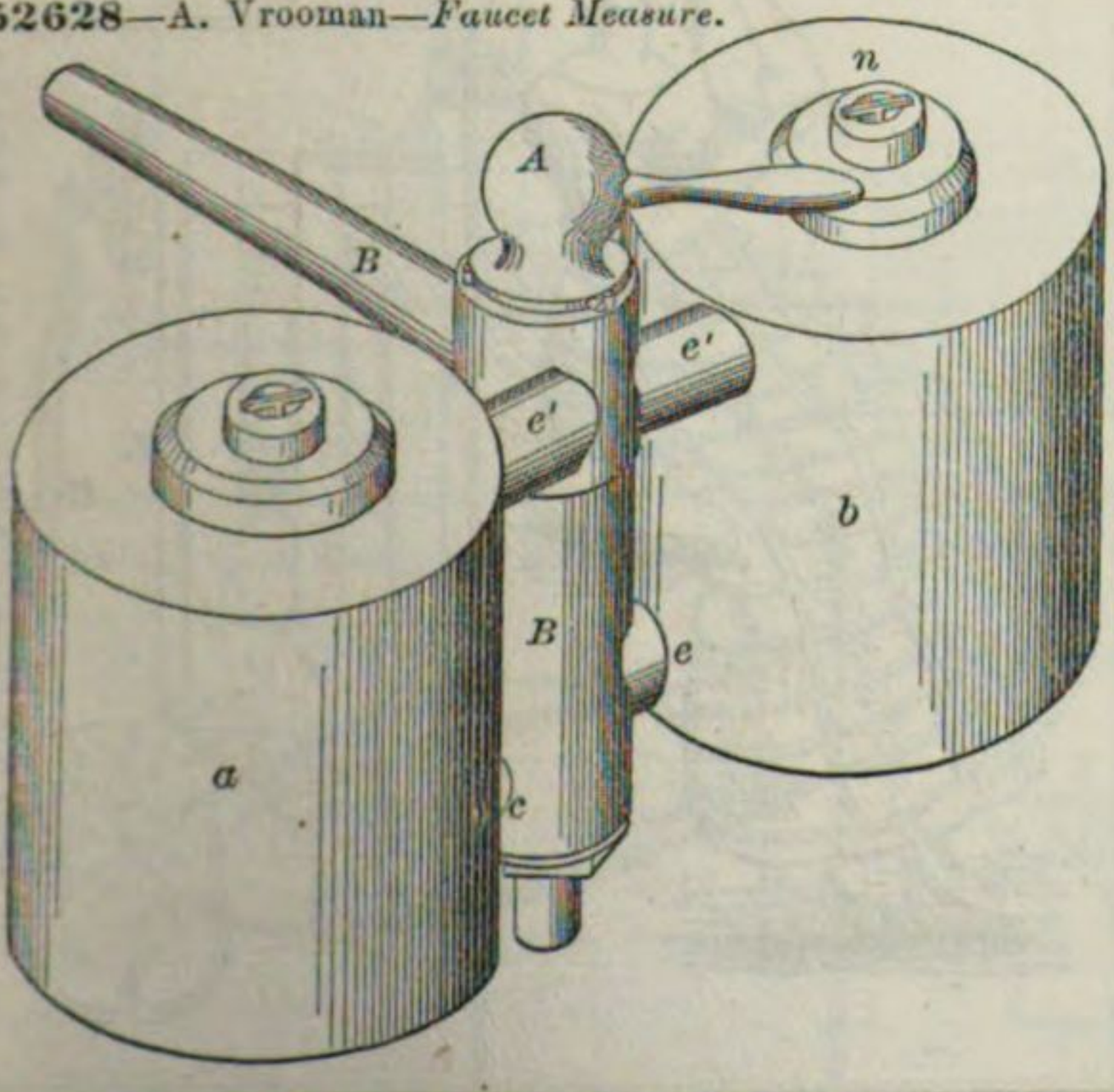
52627—W. B. Vincent—*For Cutting Bread, &c.*



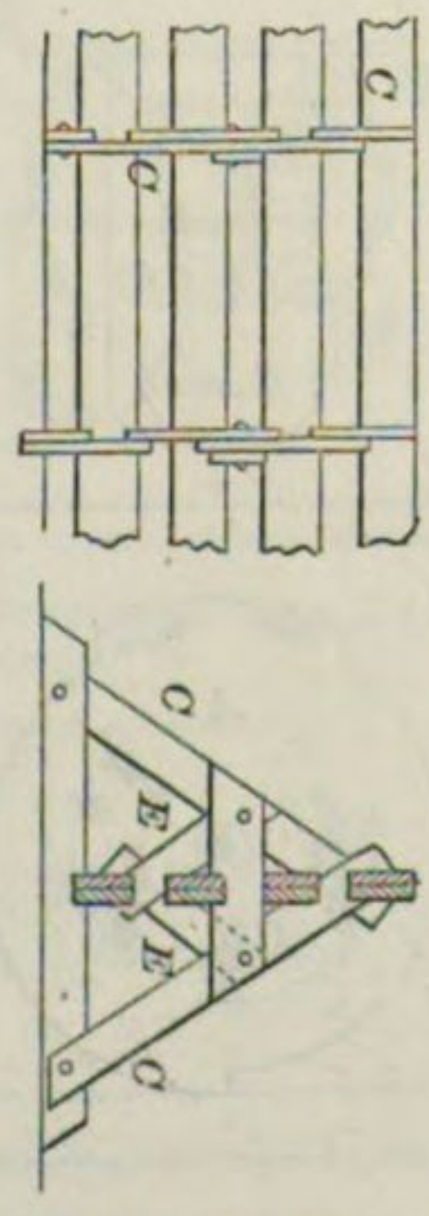
52626—C. Unverzagt—*Hand Loom.*



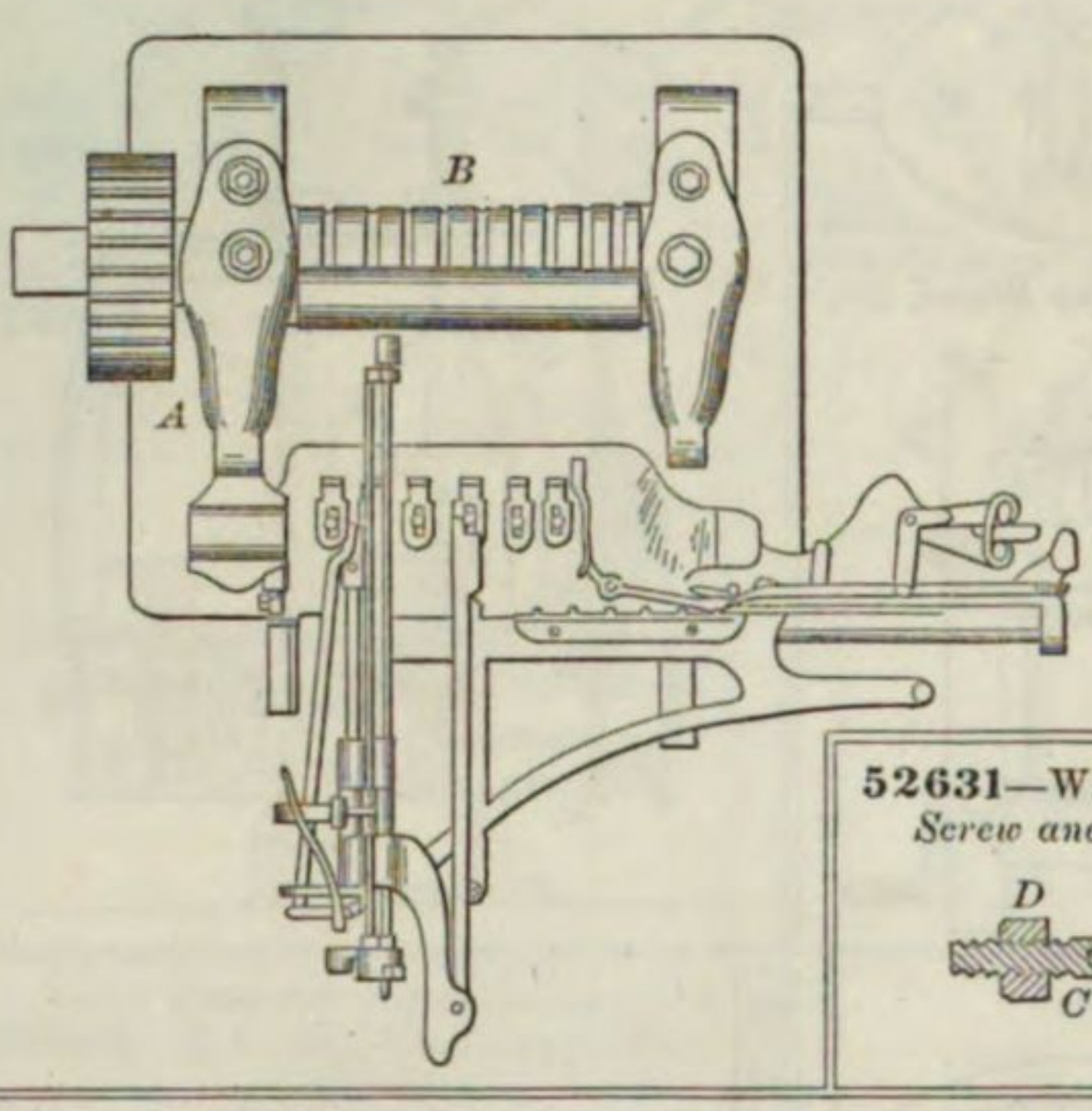
52628—A. Vrooman—*Faucet Measure.*



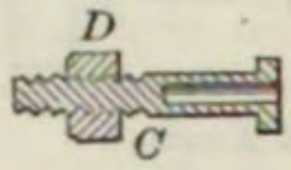
52629—J. F. Warner—*Fence.*



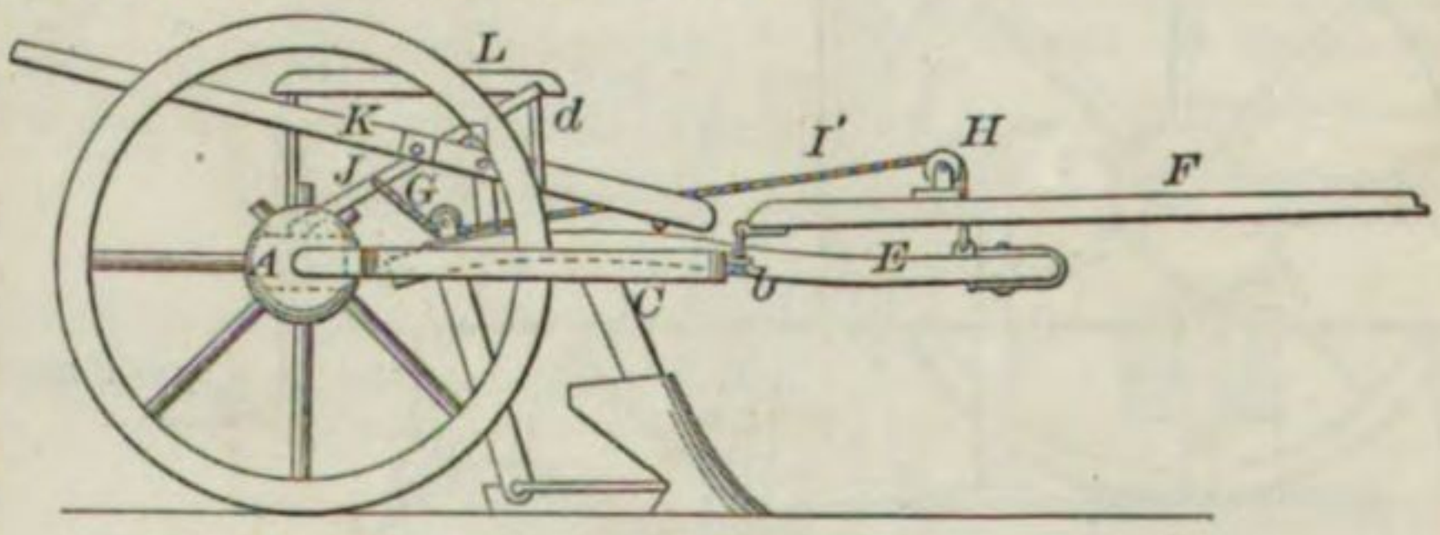
52630—H. Waters—*For Rolling Metals.*



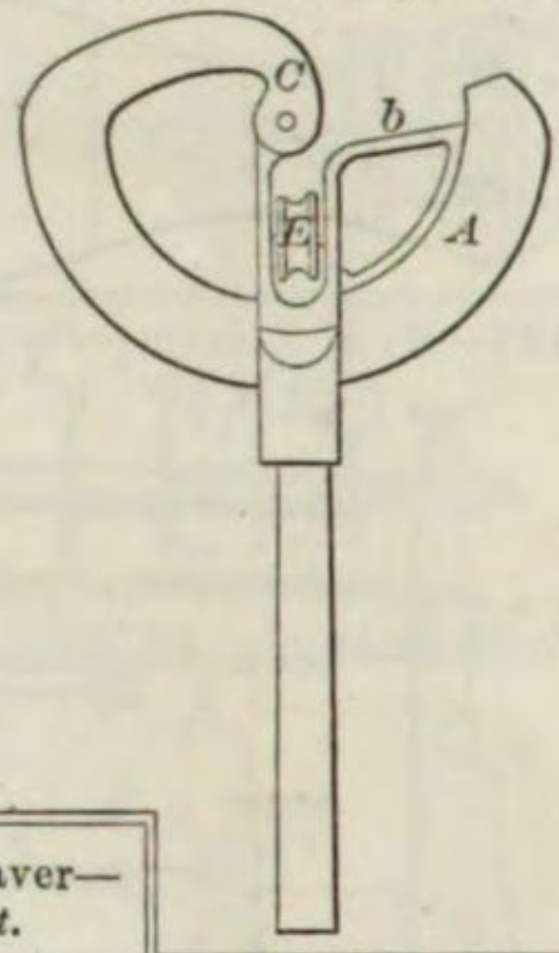
52631—W. Weaver—*Screw and Bolt.*



52633—Widman & Millica—*Plow.*

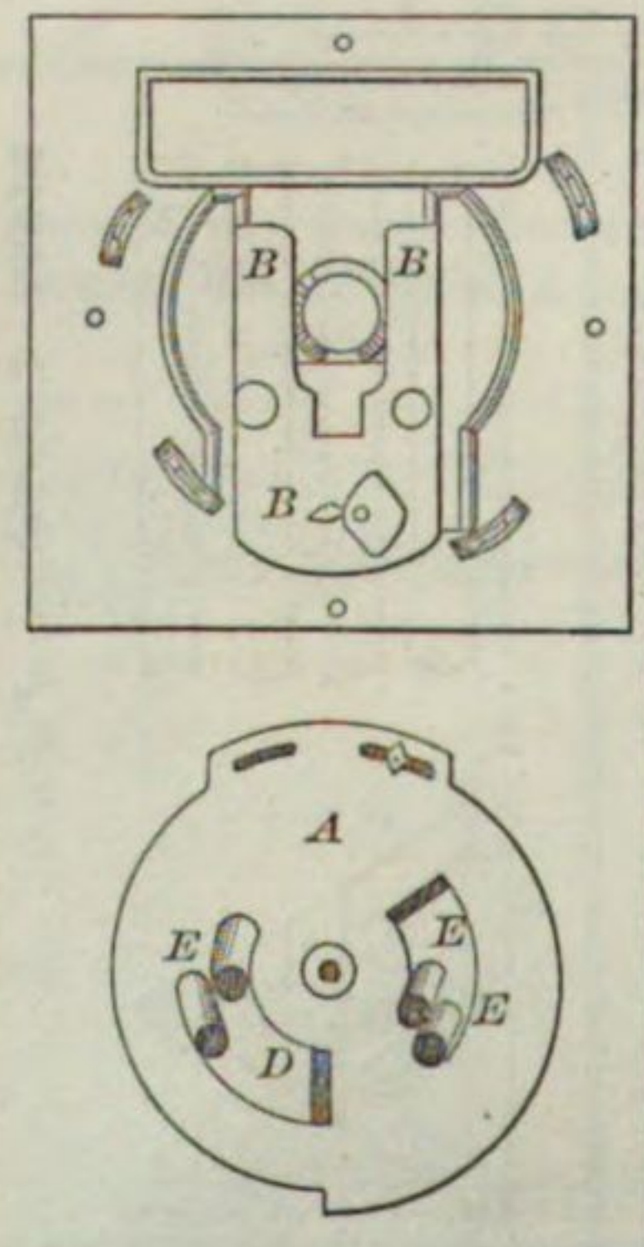


52634—W. Woodbury—*Pulley for Fishing Boats.*

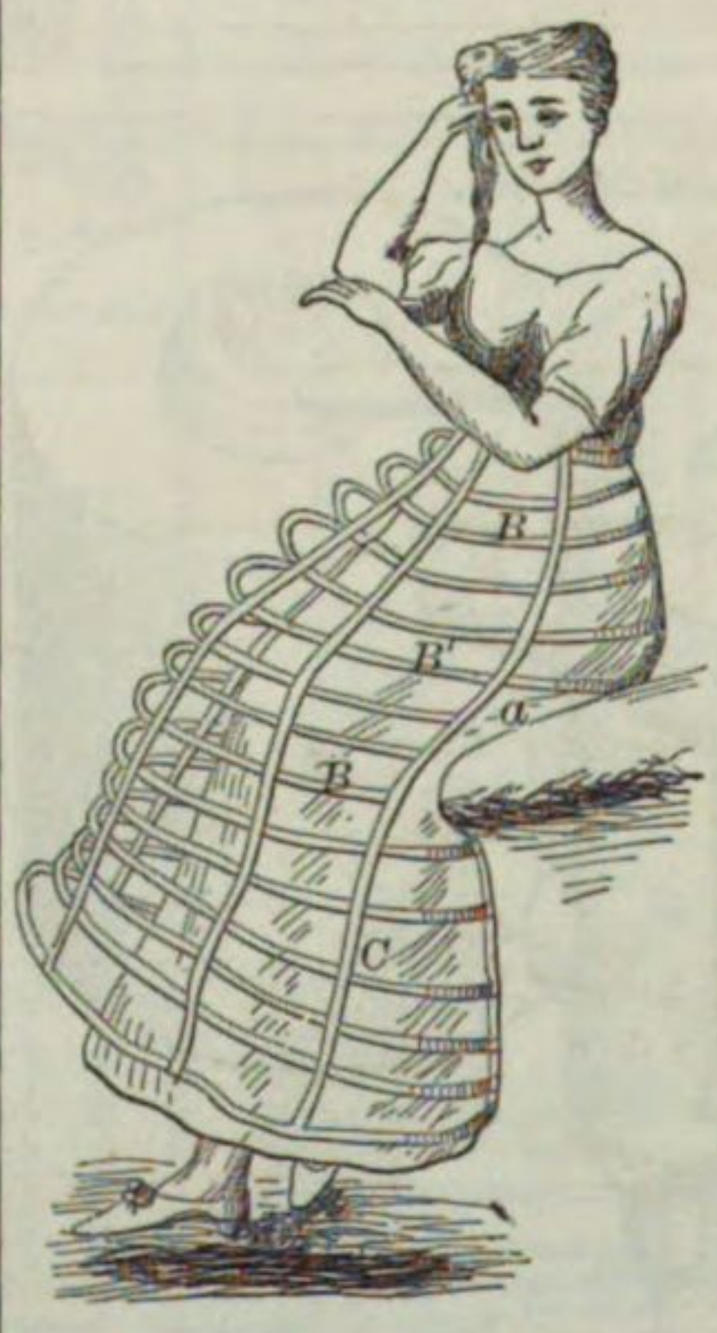


52632—S. H. Whittlesey—*Well Borer.*

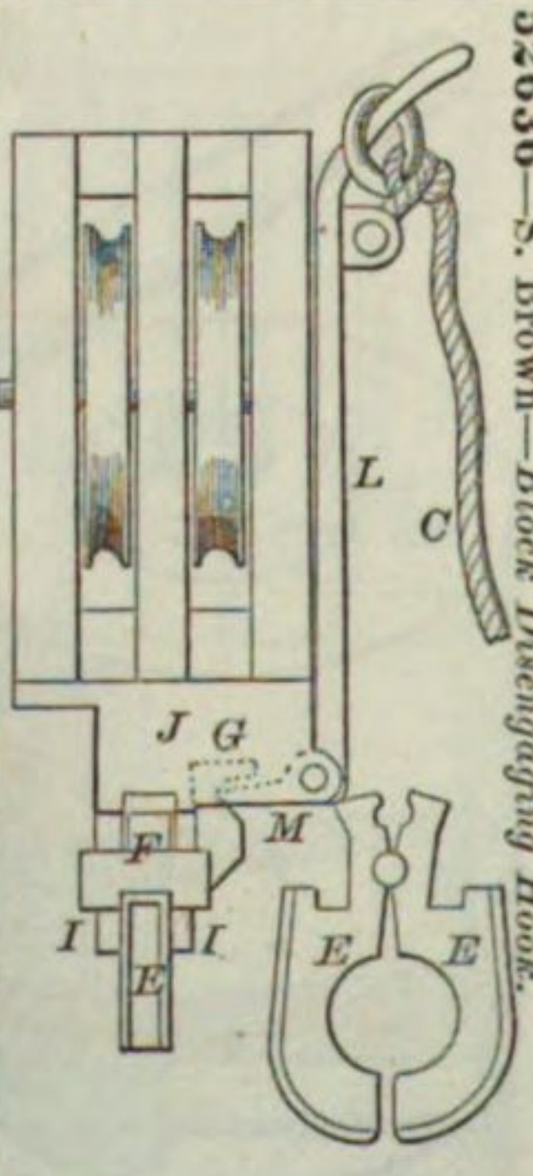
52635—J. H. Alexander—*Seed Planter.*



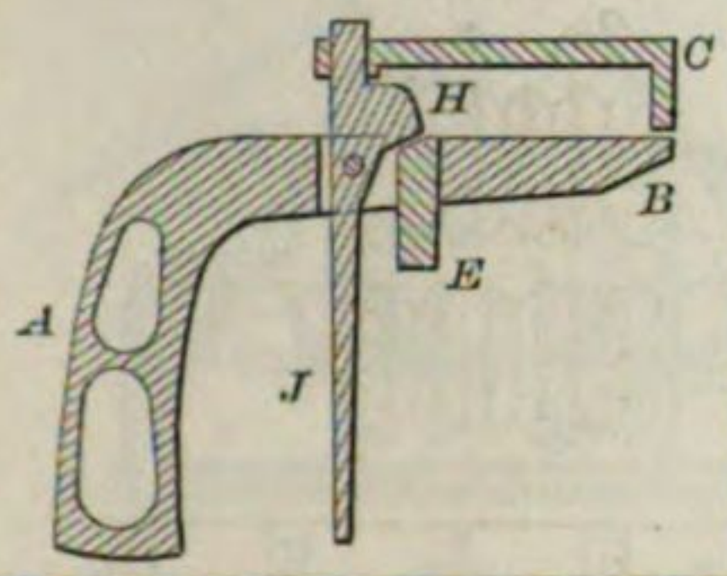
52637—J. P. Buzzell—*Hoop Skirt.*



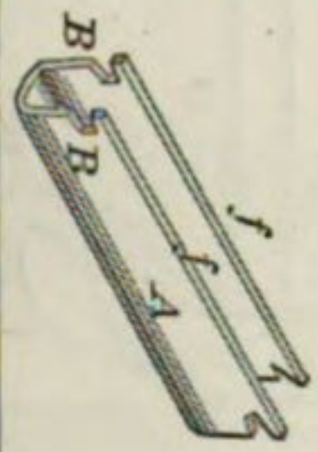
52636—S. Brown—*Block Disengaging Hook.*



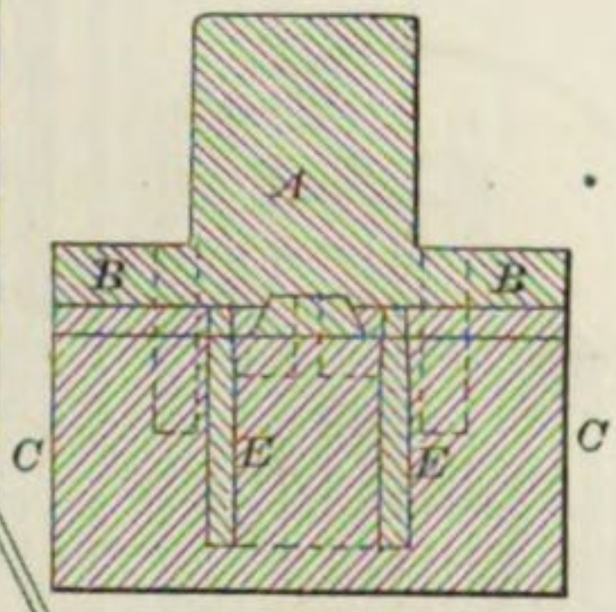
52638—R. G. Chase—*Saw Set.*



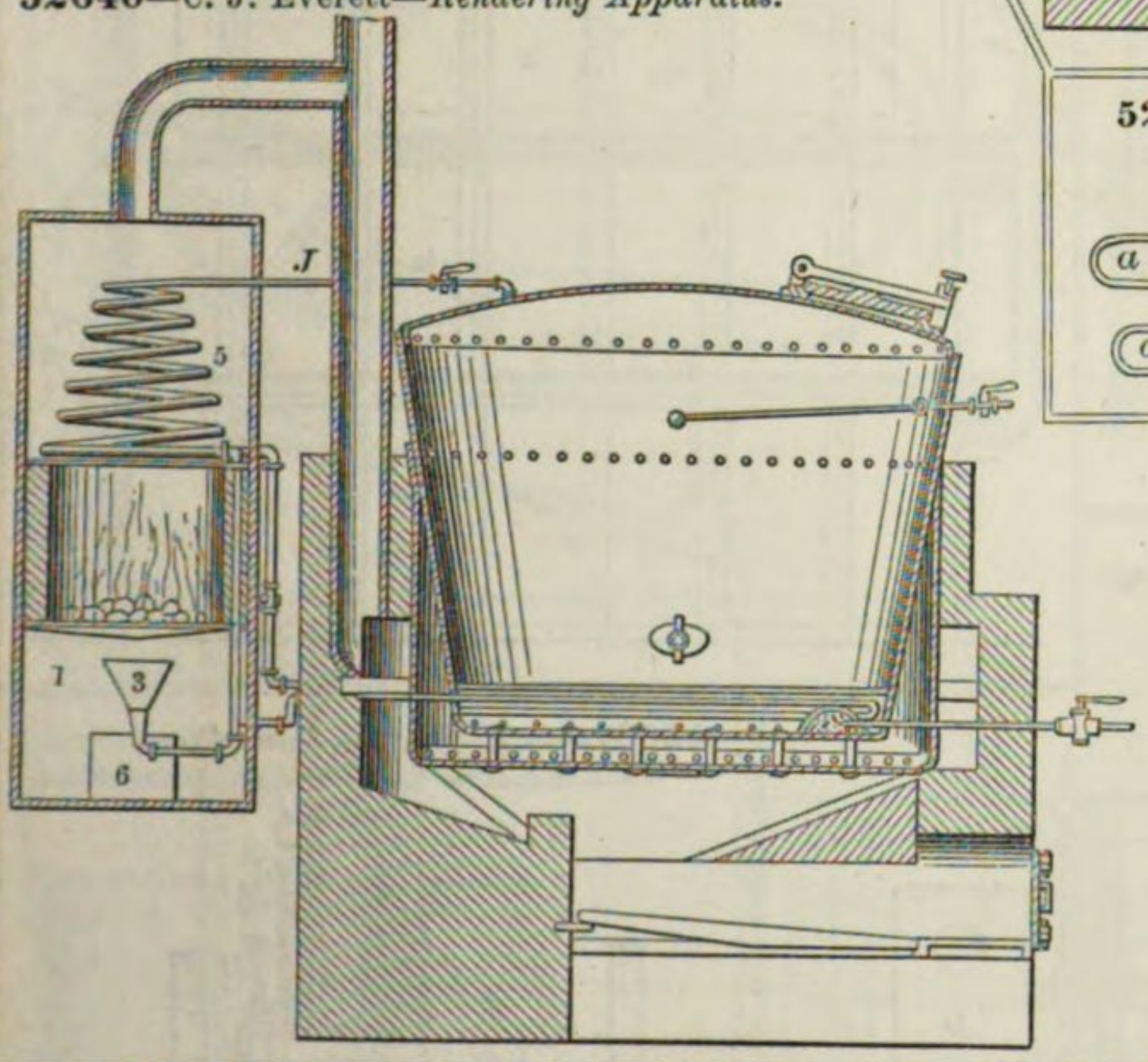
52639—G. W. Cheesman—*Clasp for Skirt Hoops.*



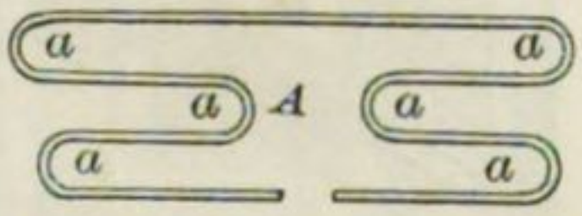
52641—P. W. Gates—*Stamping Head.*



52640—C. J. Everett—*Rendering Apparatus.*

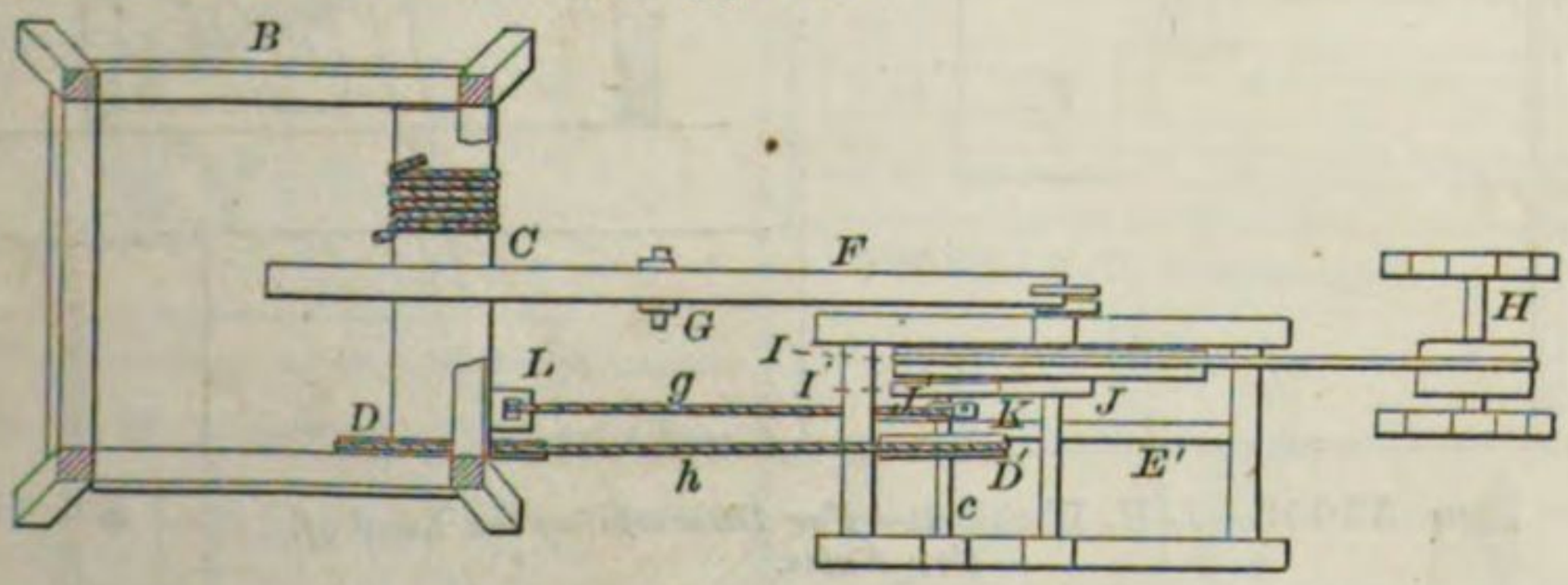


52644—T. J. Jones—*Piston Packing.*

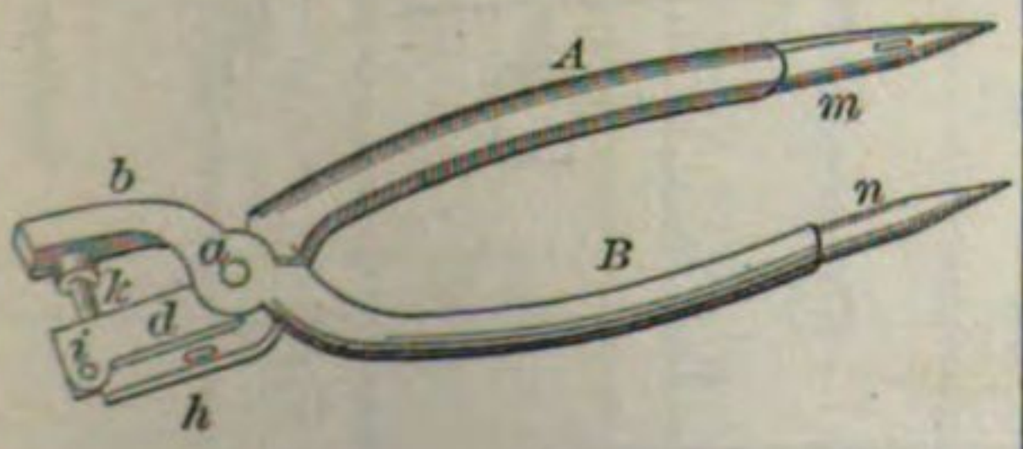


52643—J. H. Greenleaf—*Darning Spool.*

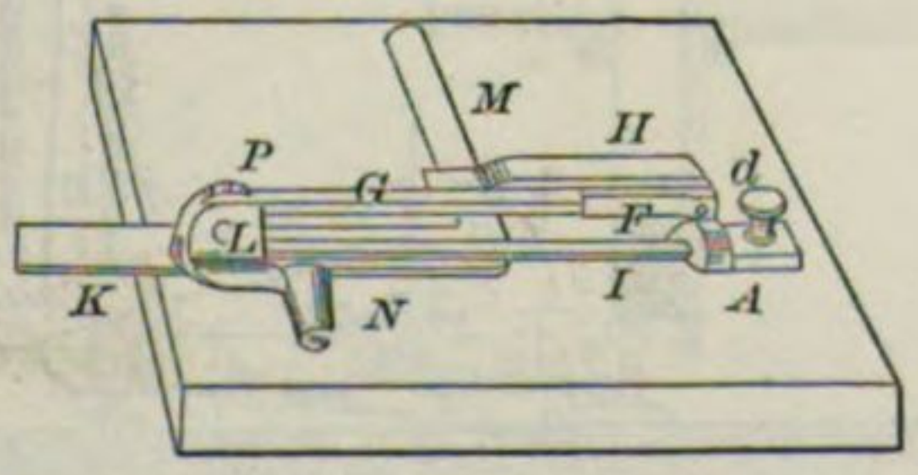
52642—S. J. Goucher—*Well Boring Apparatus.*



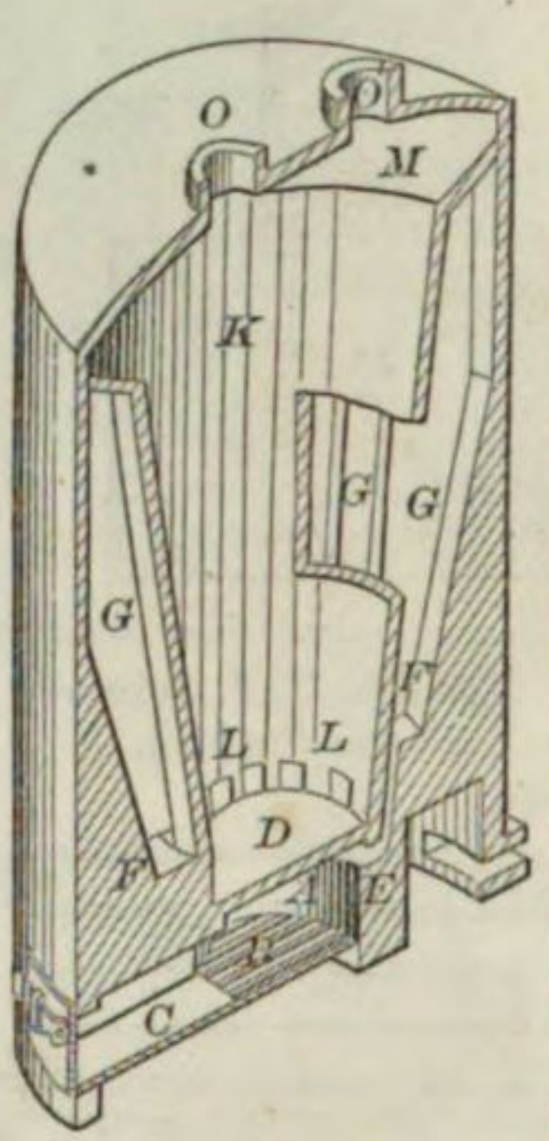
52645—E. C. C. Kellogg—*Lacing Device.*



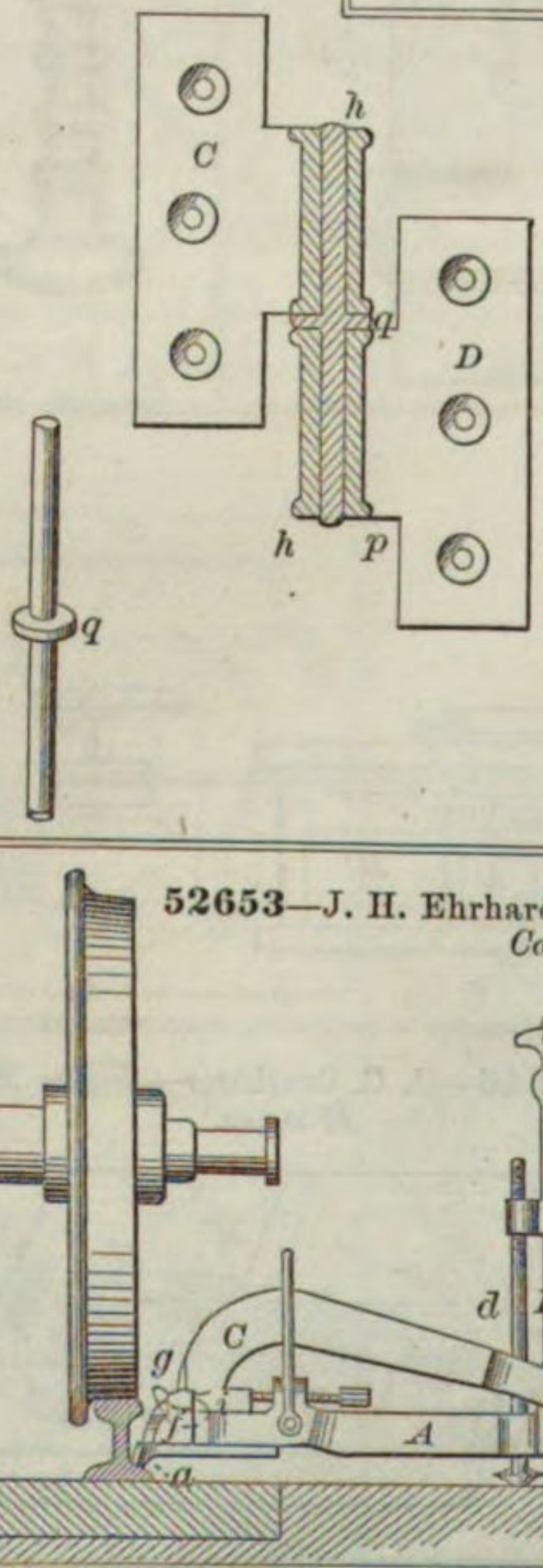
52646—G. C. Overhiser—*Sewing Machine Hemmer.*



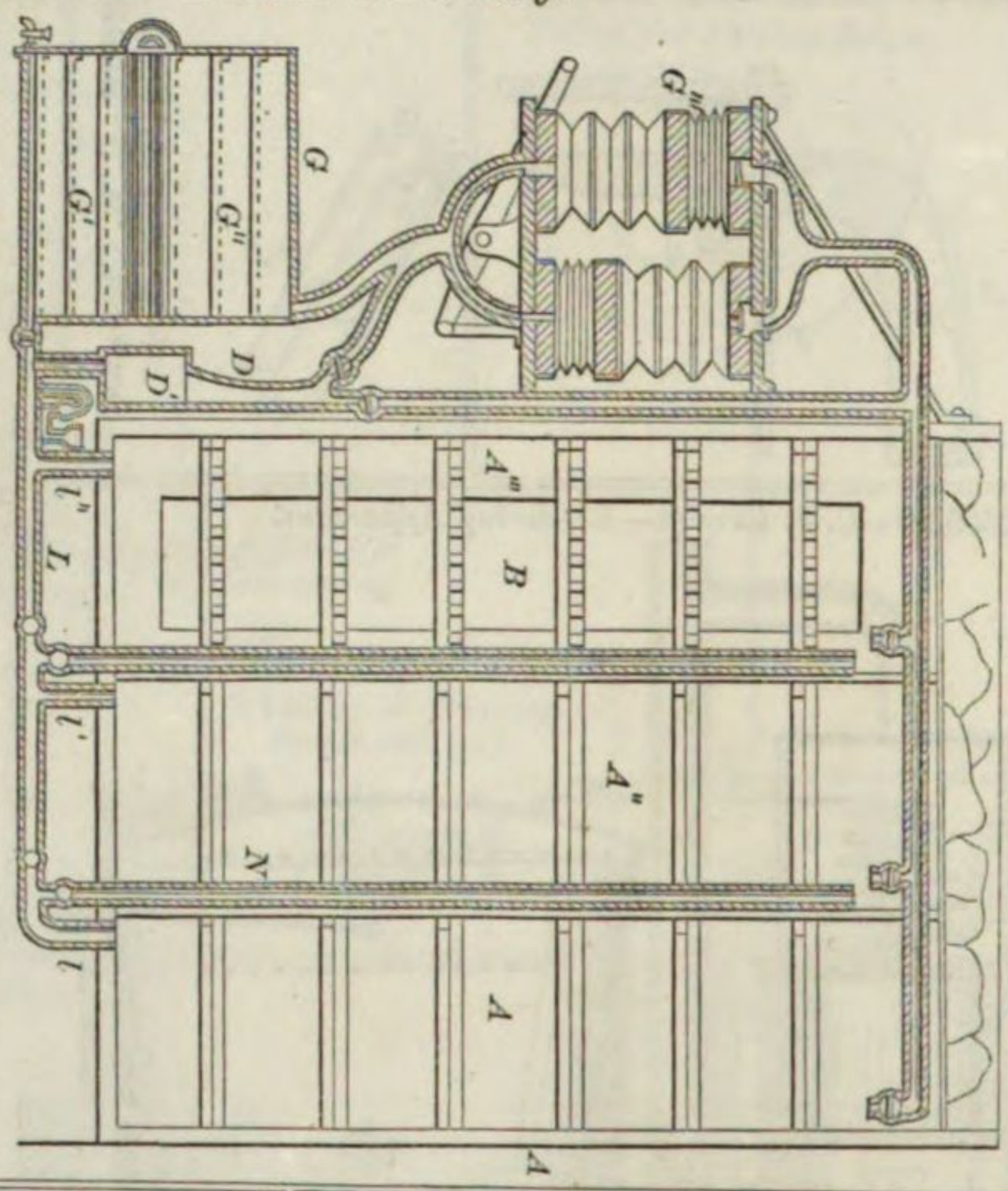
52648—J. H. Schwein—*Hot Air Furnace.*



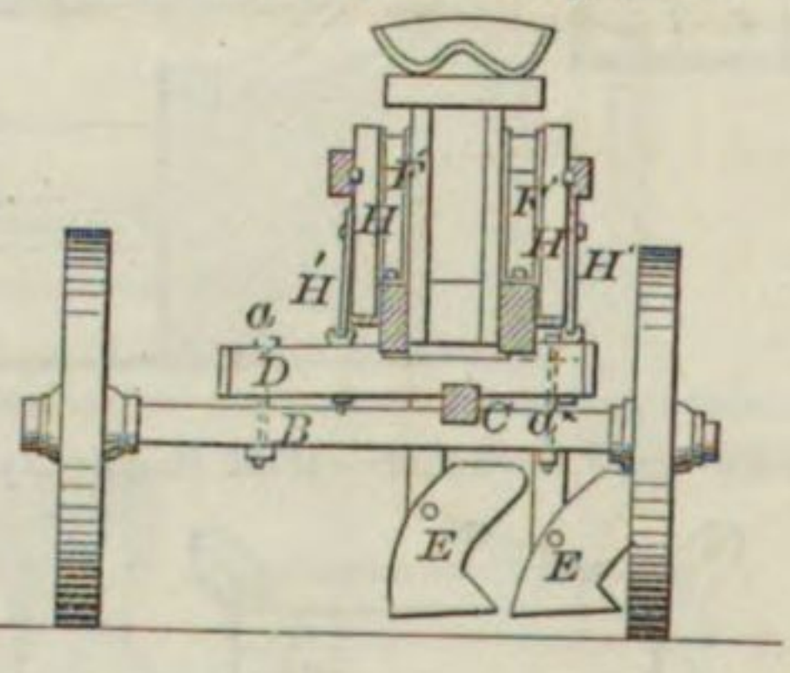
52649—S. Selden—*Hinge.*



52650—A. Smith—*Preservatory.*

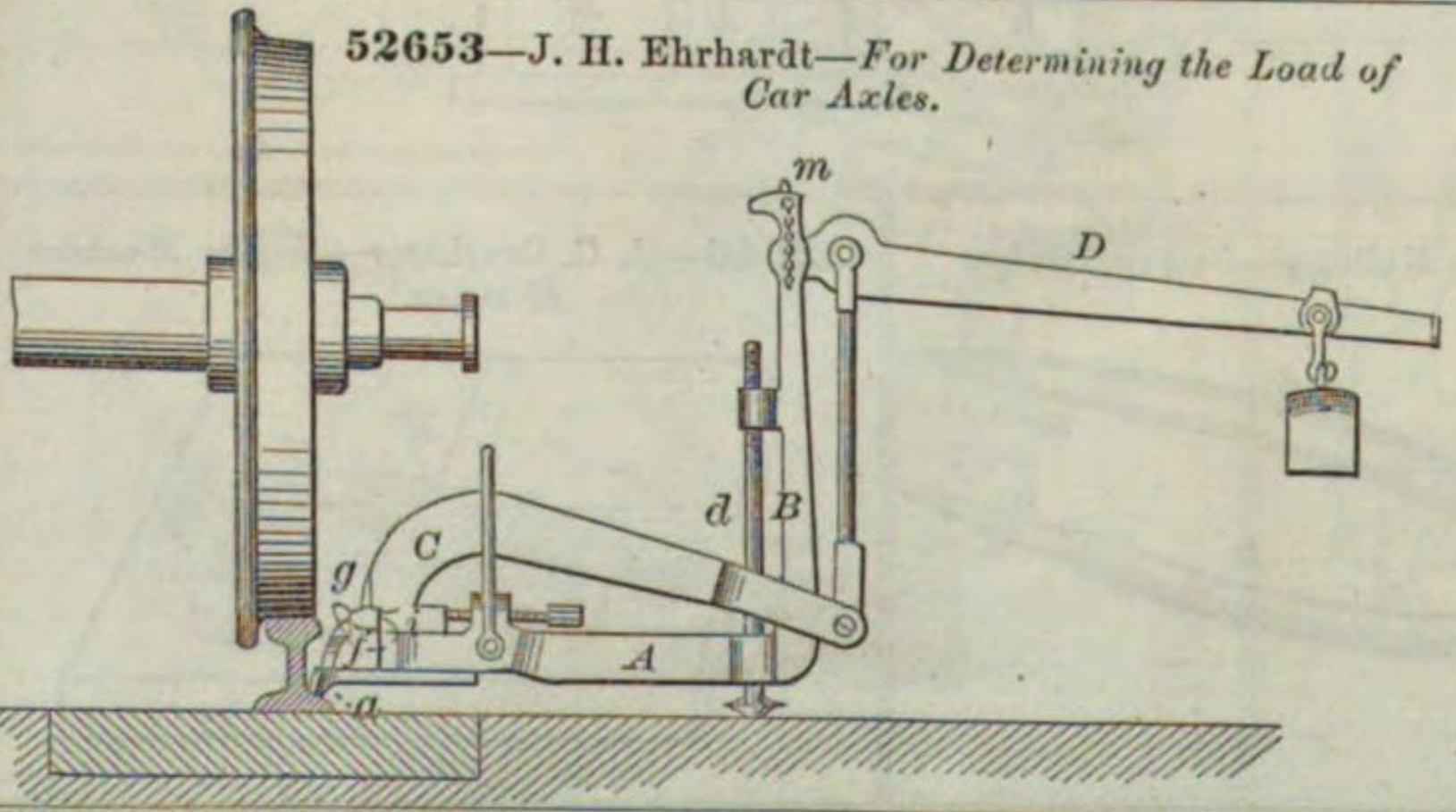


52651—J. E. Travis—*Gang Plow.*

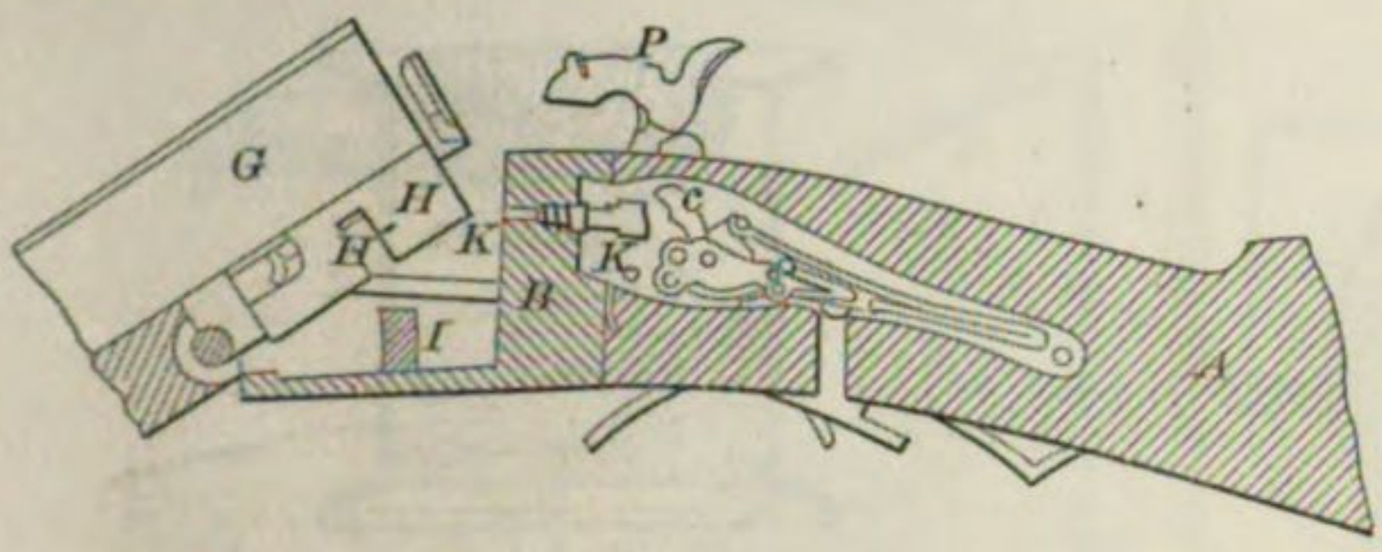


52652—J. Waterman—*Buckle.*

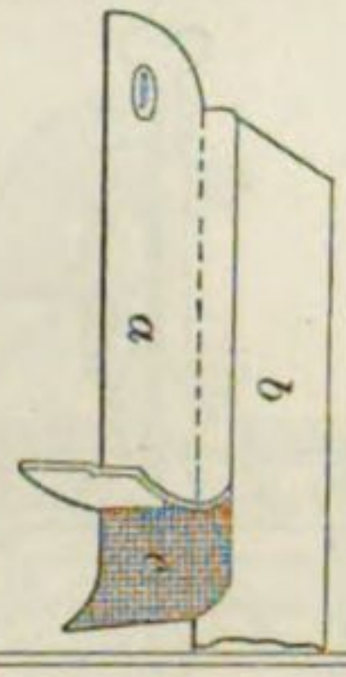
52653—J. H. Ehrhardt—*For Determining the Load of Car Axles.*



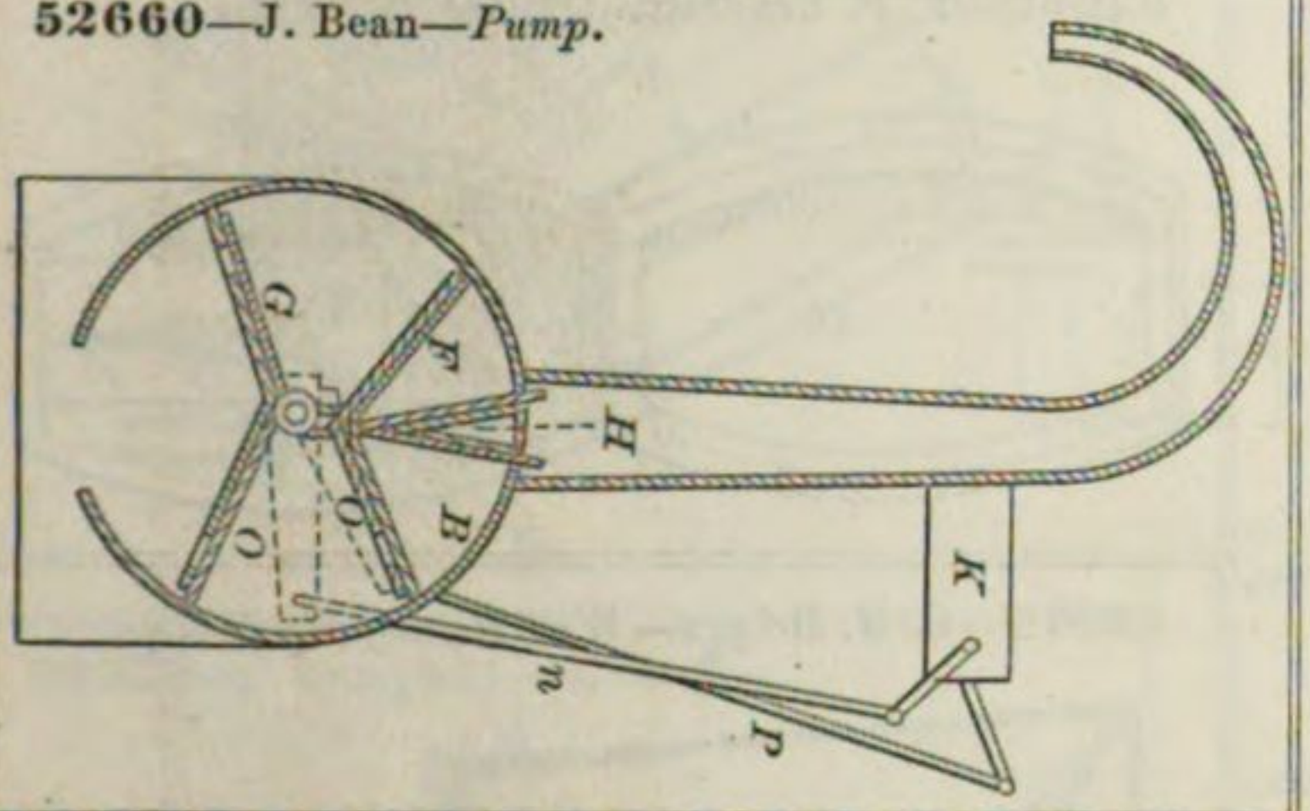
52654—A. Henry—*Breech-Loading Fire Arm.*



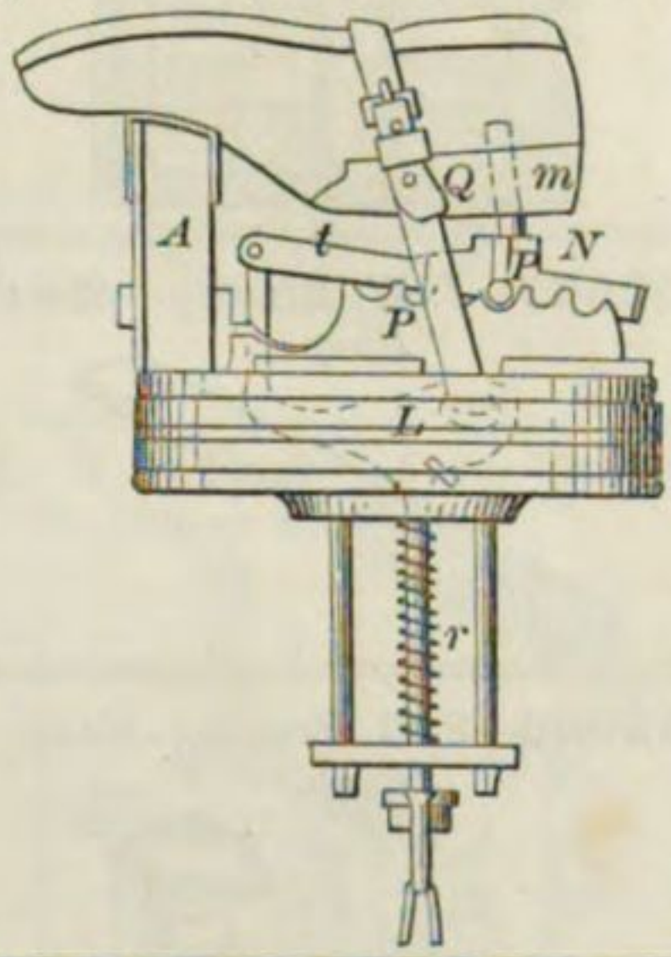
52659—J. Barton—*Paper and Cloth Collar.*



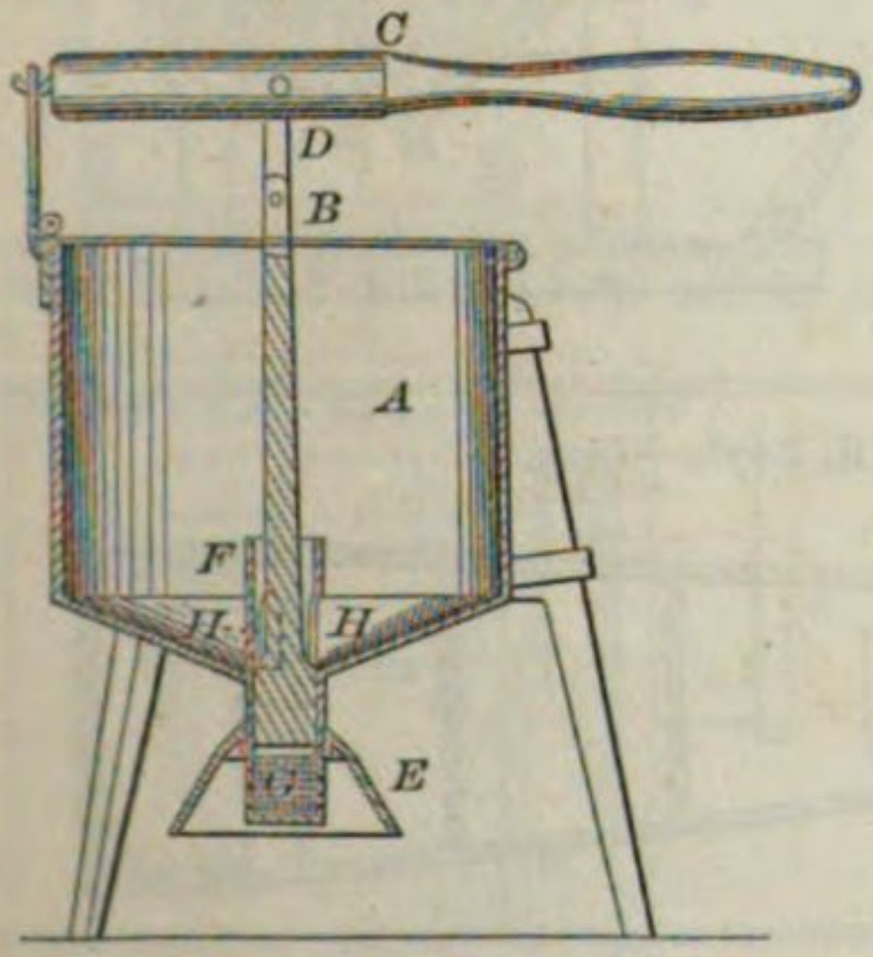
52660—J. Bean—*Pump.*



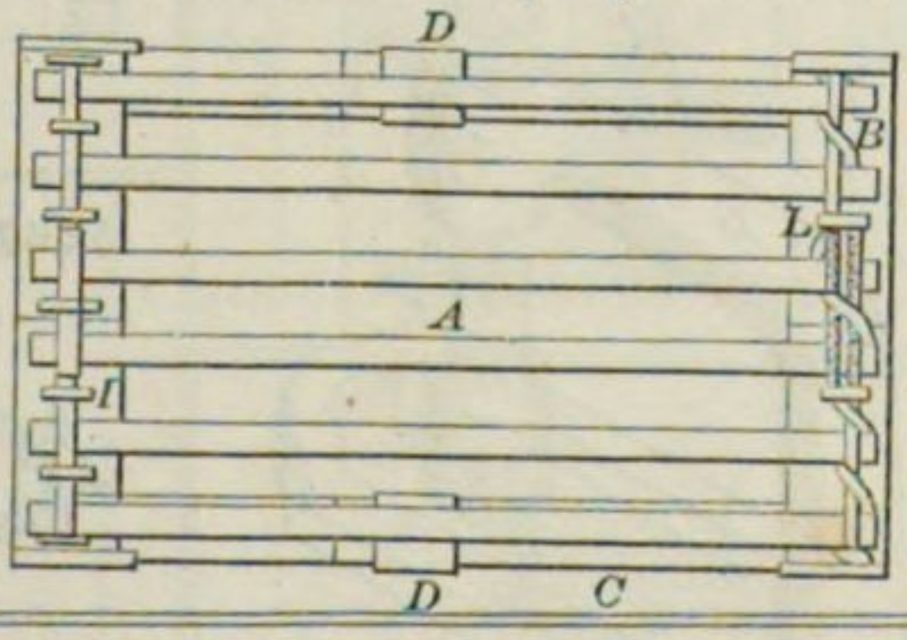
52657—I. E. Allen—*Head Block for Holding Boots and Shoes.*



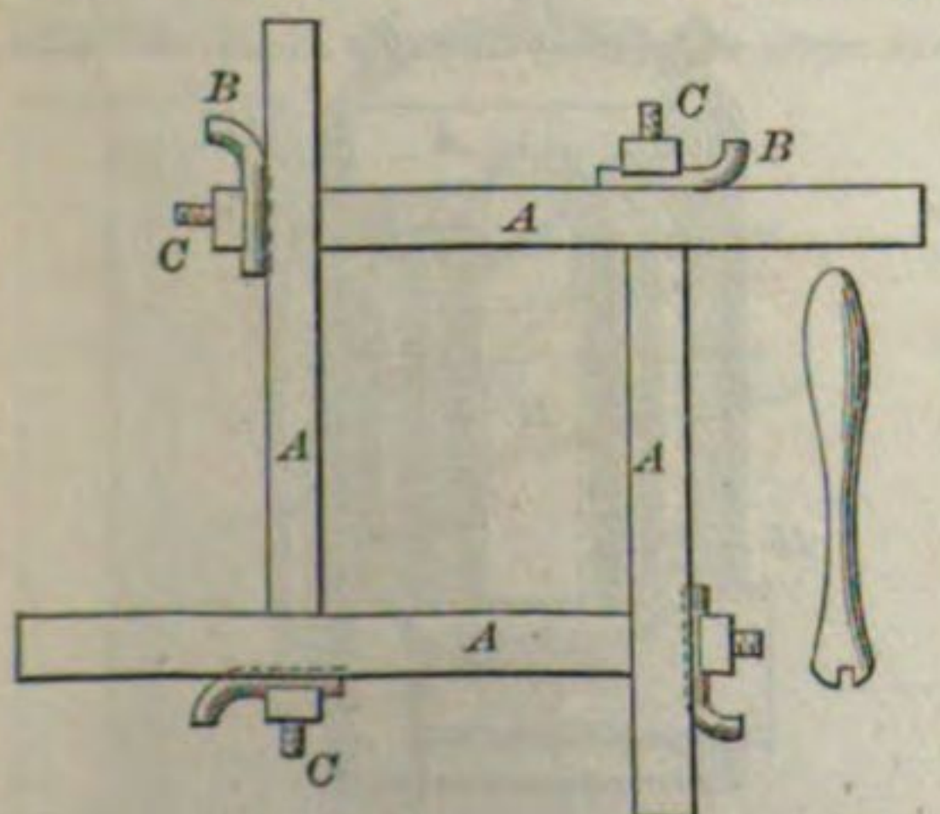
52661—L. Bishop—*Press and Strainer for Cream Paste.*



52658—J. Barnes—*Spring Bed Bottom.*



52662—A. M. Blanchard—*Printers' Chase.*



52663—S. R. Boure—*Sled.*

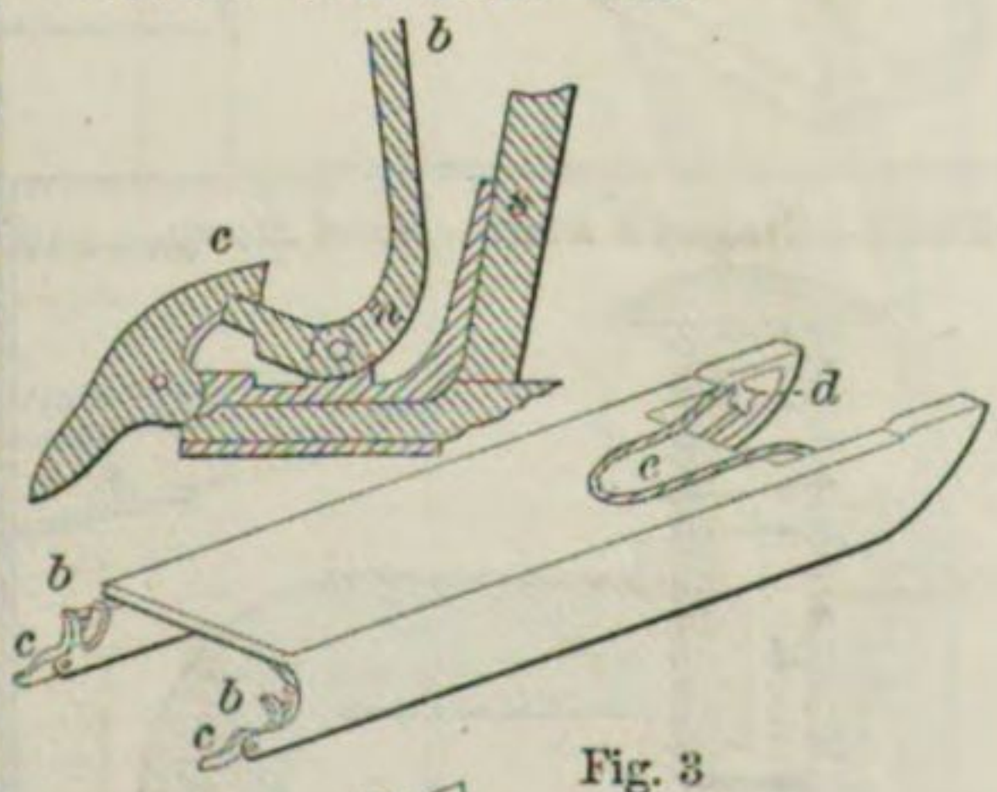
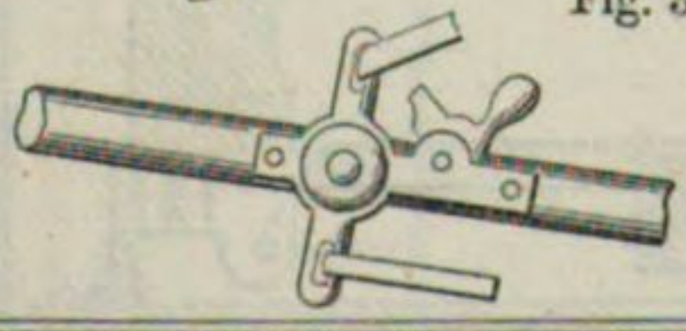
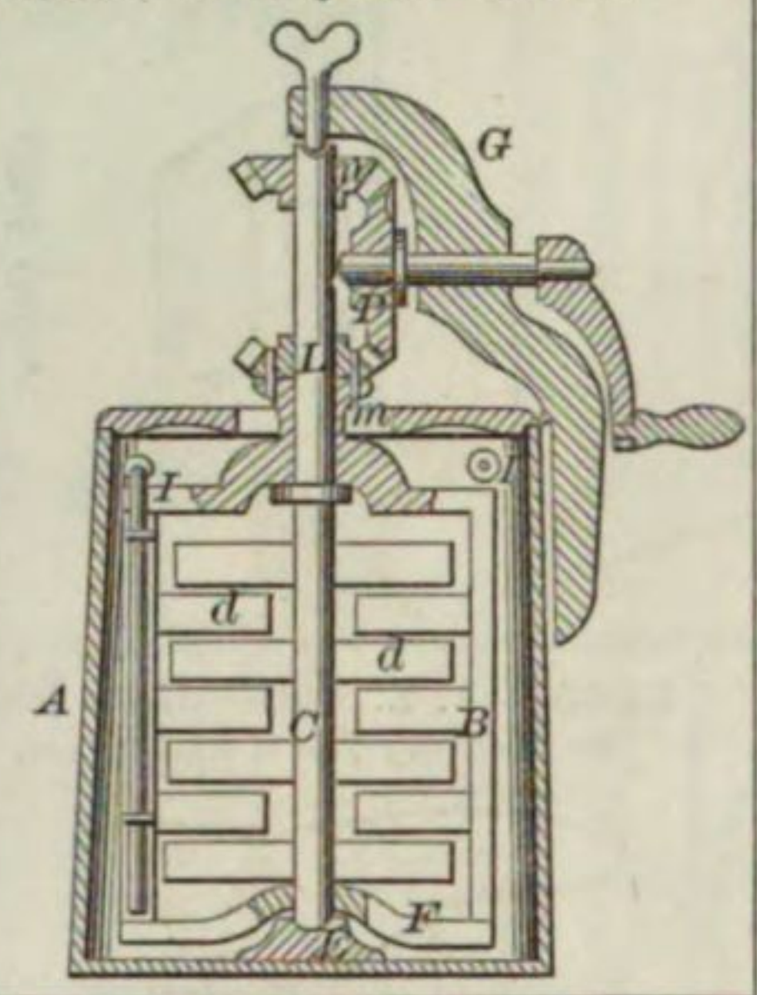


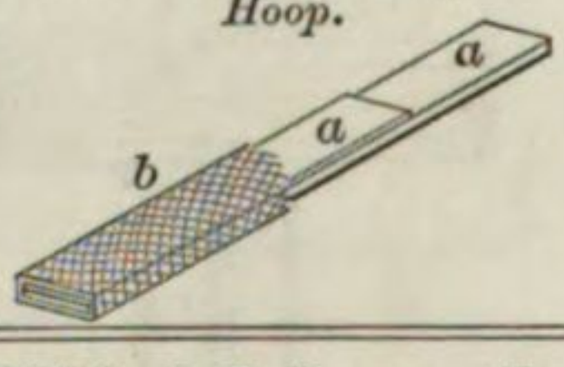
Fig. 3



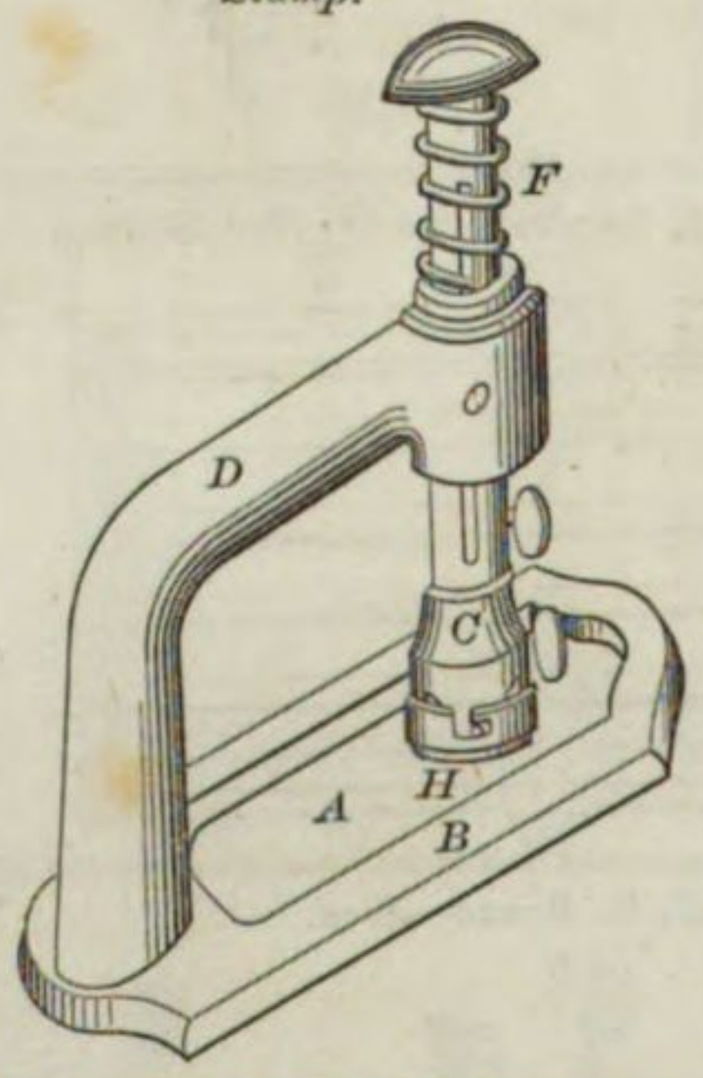
52664—W. Boynton—*Churn.*



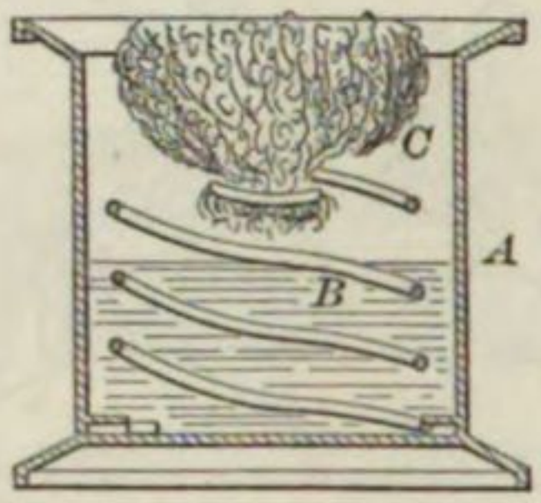
52665—J. W. Bradley—*Skirt Hoop.*



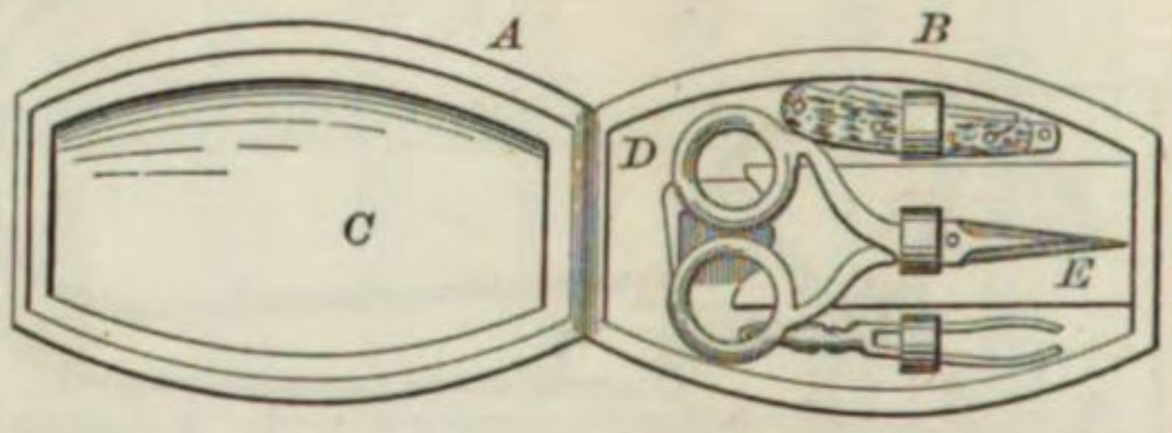
52666—S. B. Brague—*Hand Stamp.*



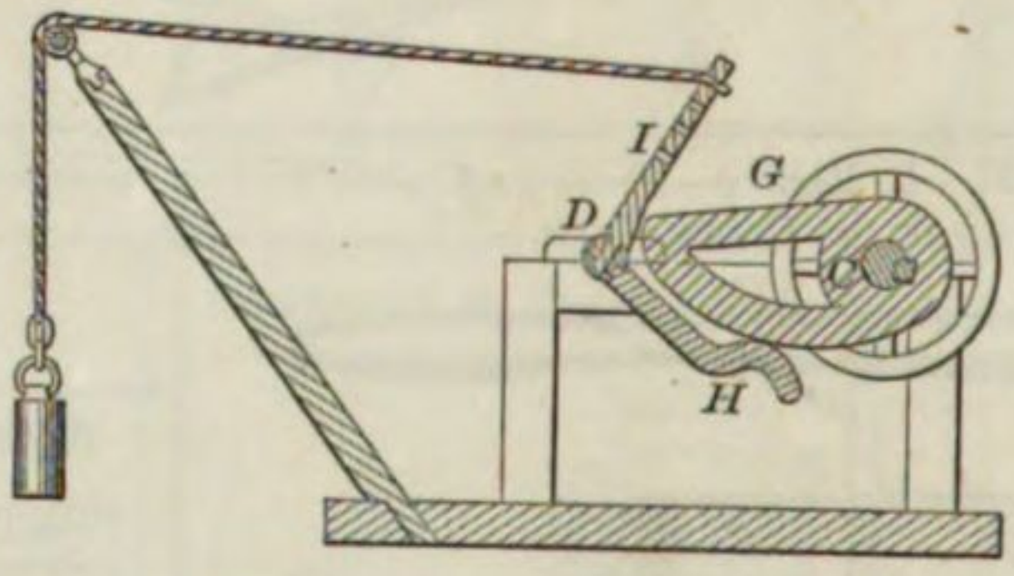
52667—S. B. Brague—*Sponge Cup.*



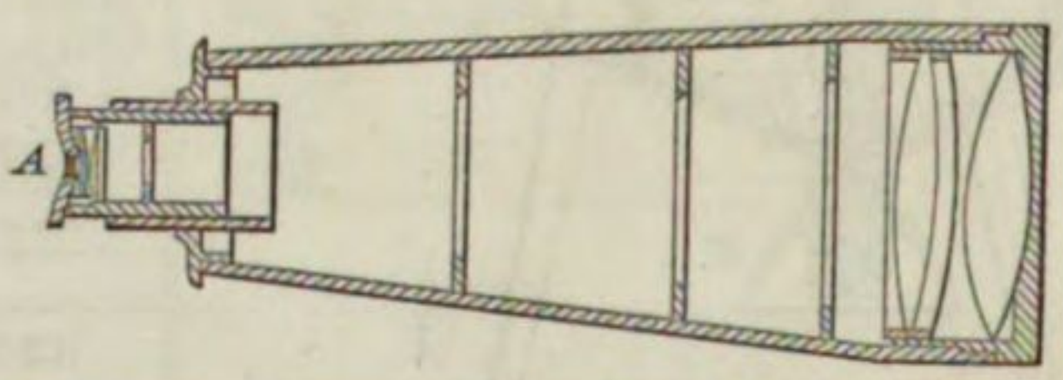
52669—F. F. Braillard—*Pocket Toilet Case.*



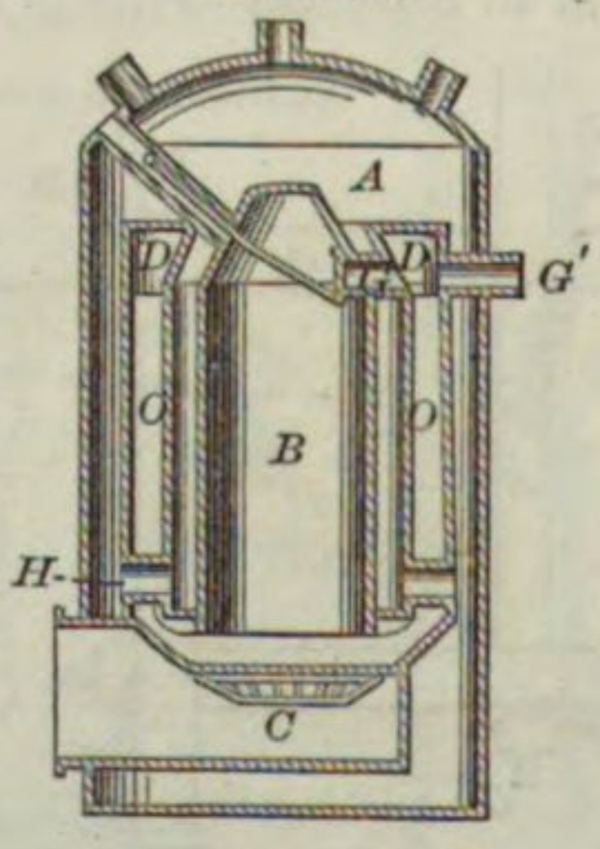
52670—C. N. Briggs—*Well Boring Machinery.*



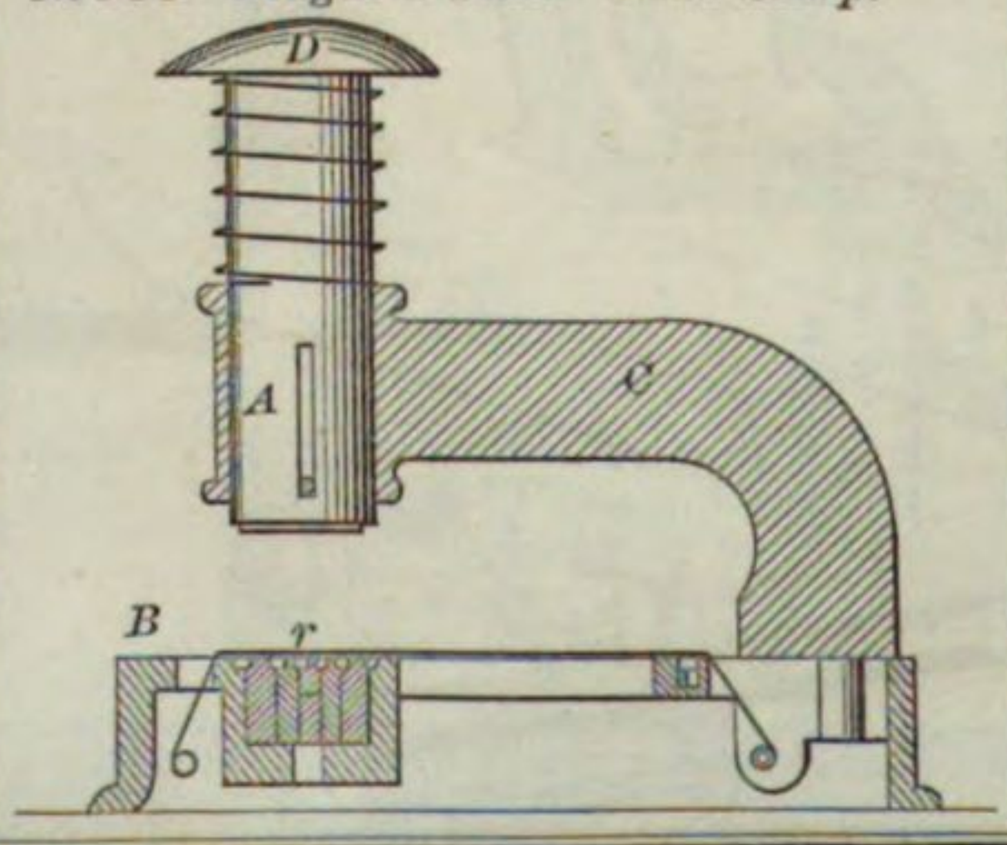
52672—C. B. Boyle—*Lens.*



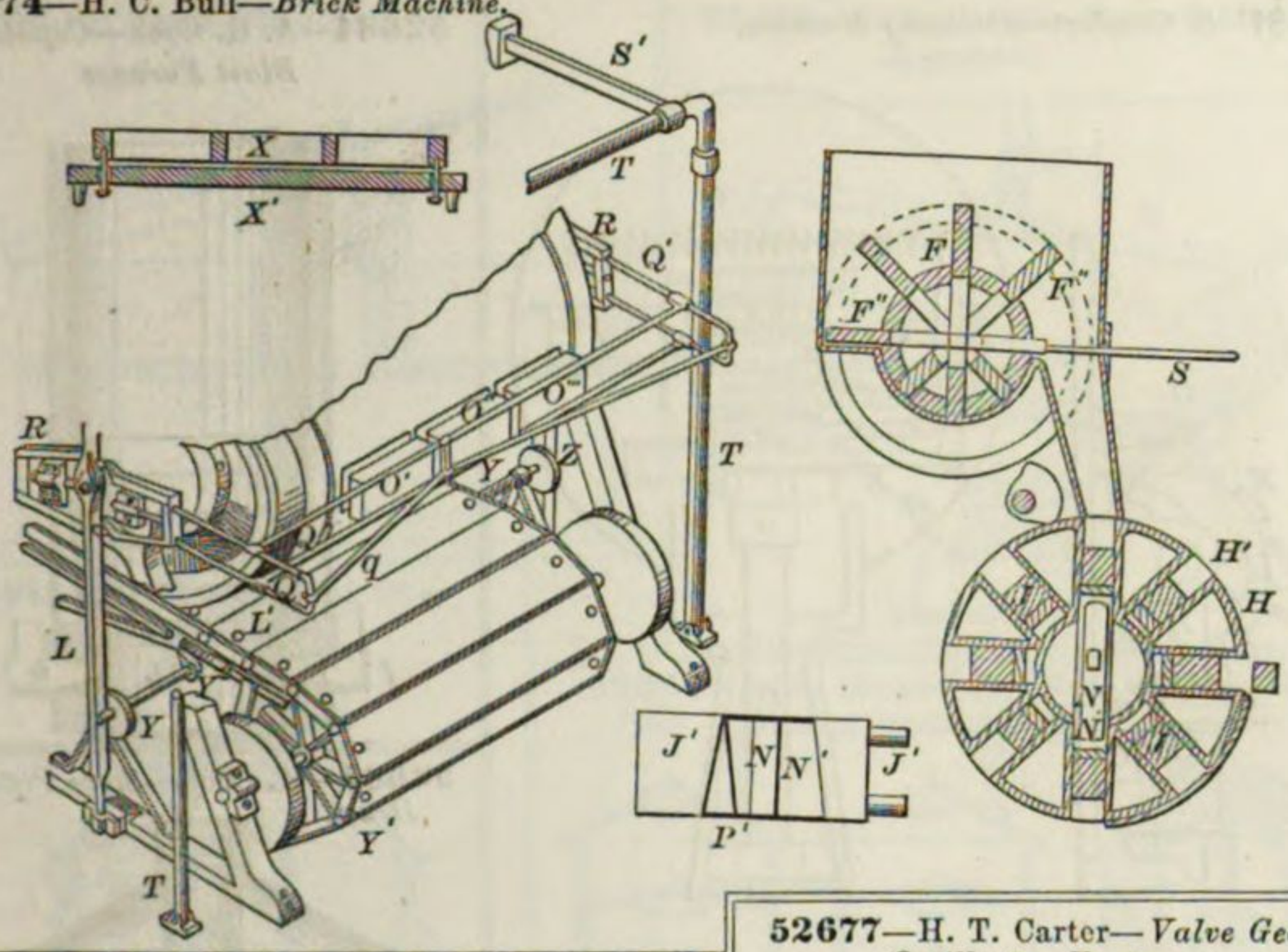
52671—Brown & Frankem—*Hot Air Furnace.*



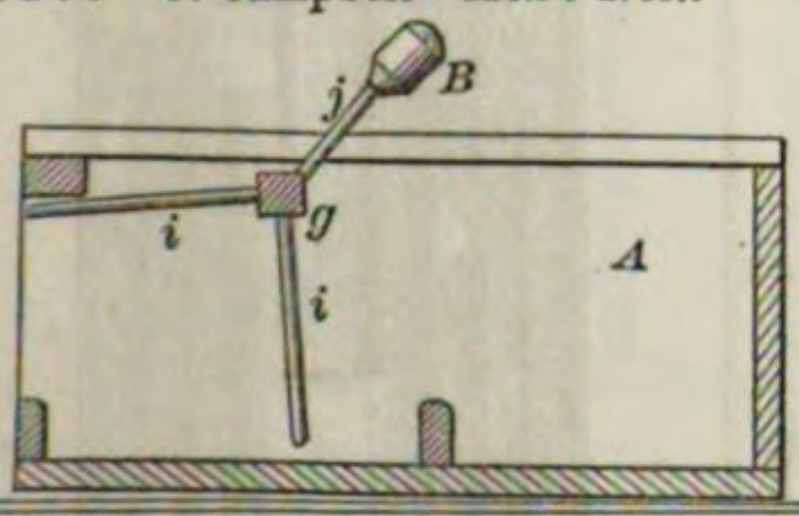
52668—Brague & Starr—*Hand Stamp.*



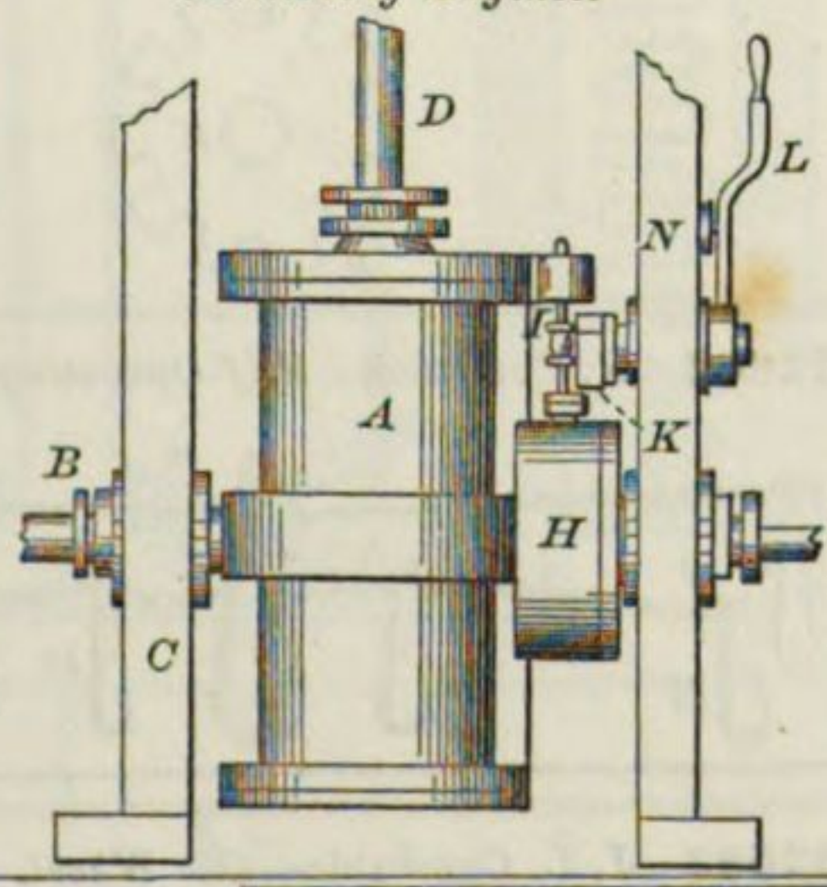
52674—H. C. Bull—*Brick Machine.*



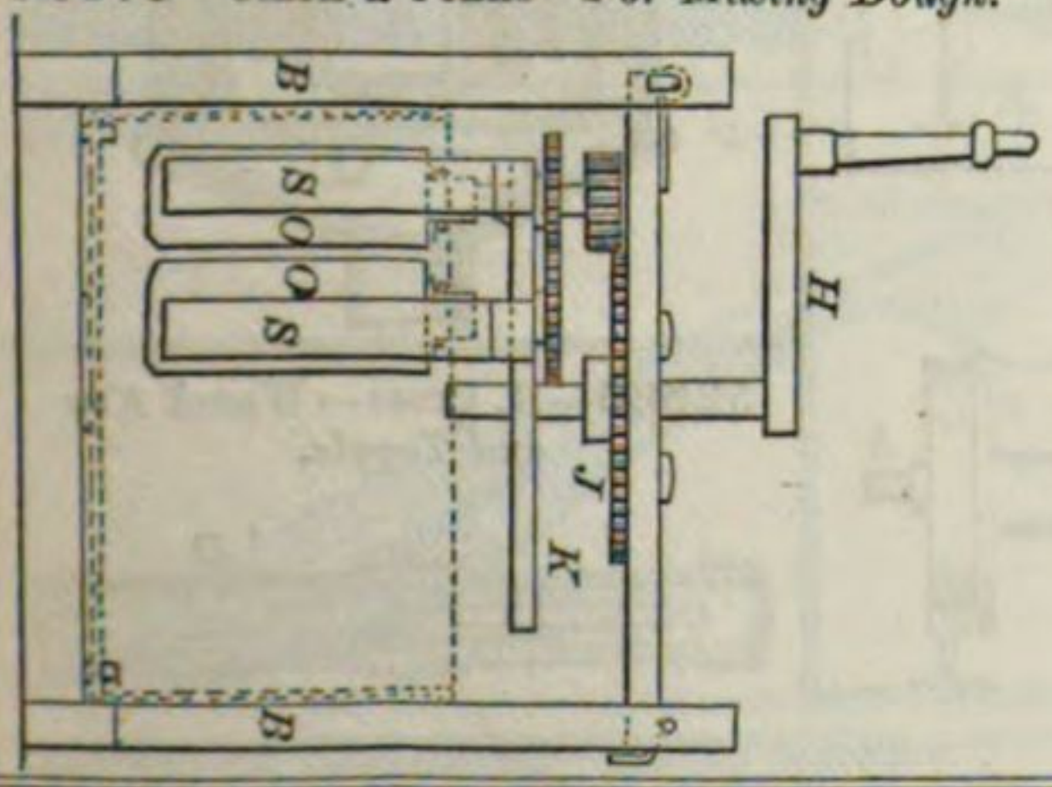
52675—C. Campbell—*Hen's Nest.*



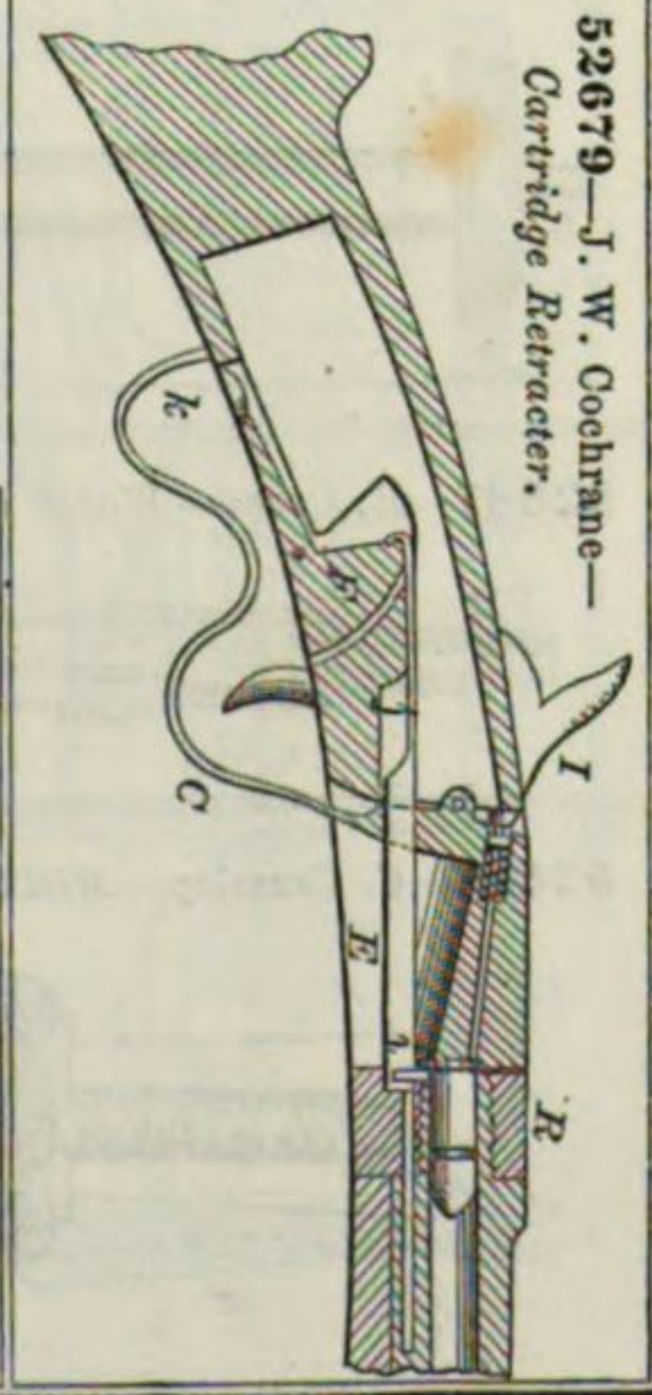
52677—H. T. Carter—*Valve Gear for Oscillating Engines.*



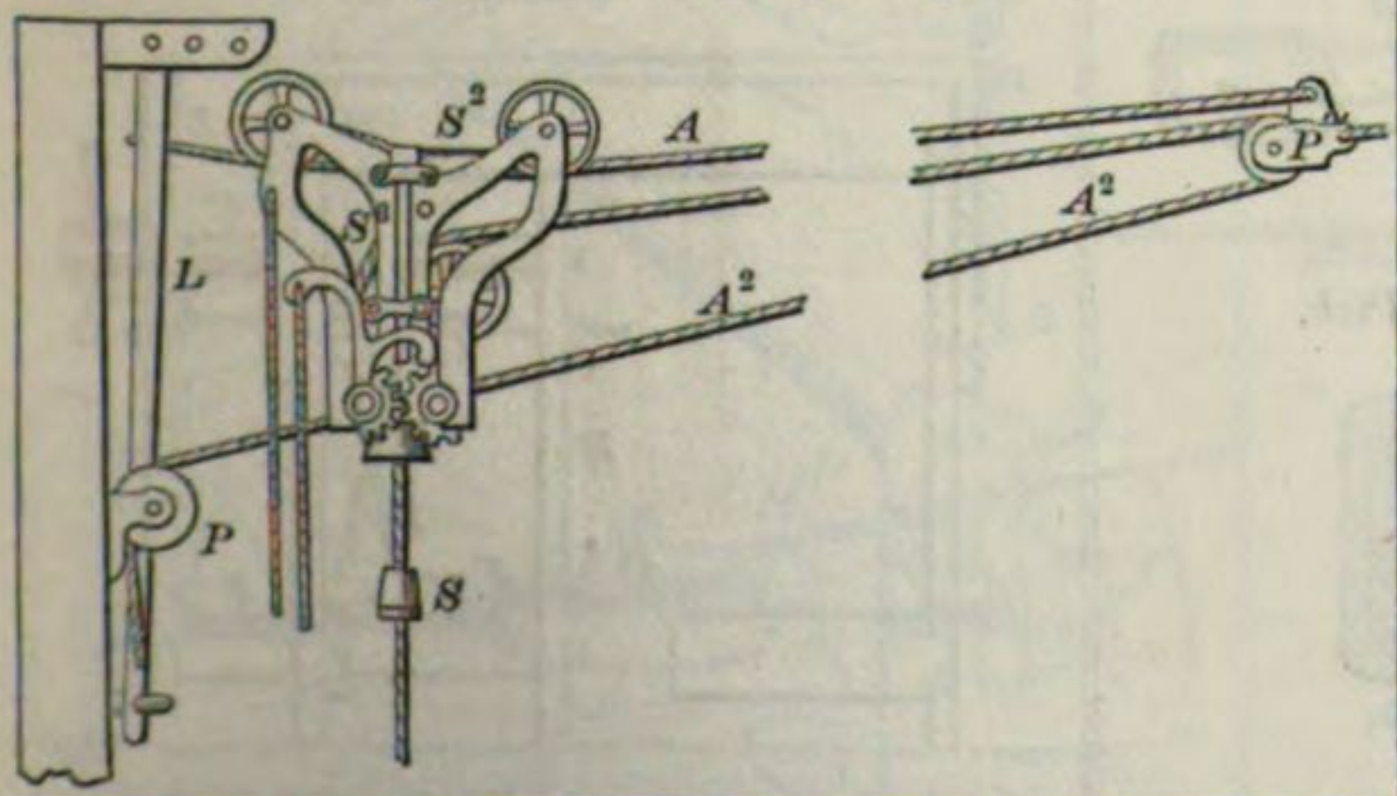
52678—Clark & Jenks—*For Mixing Dough.*



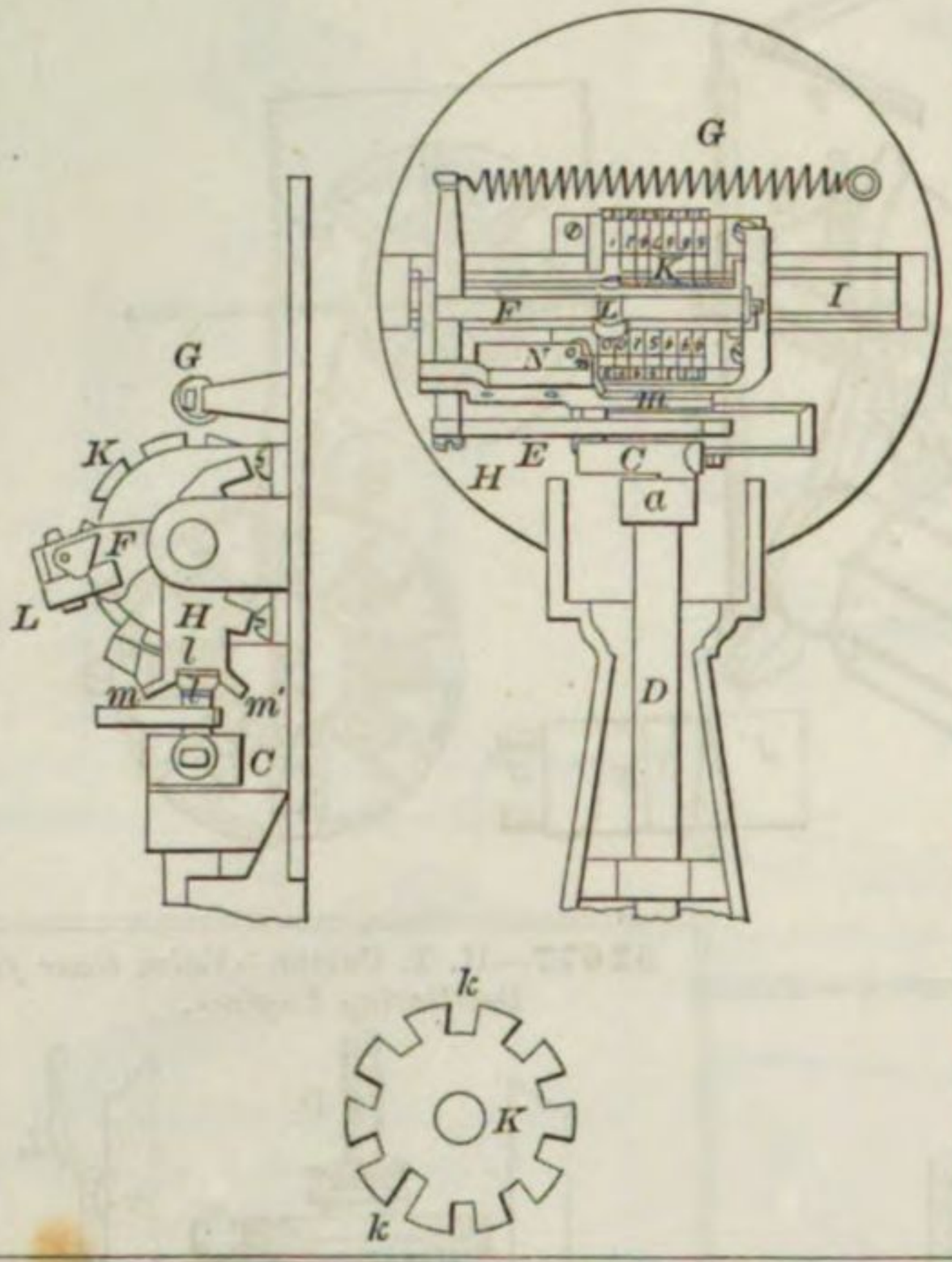
52679—J. W. Cochrane—*Cartridge Retracter.*



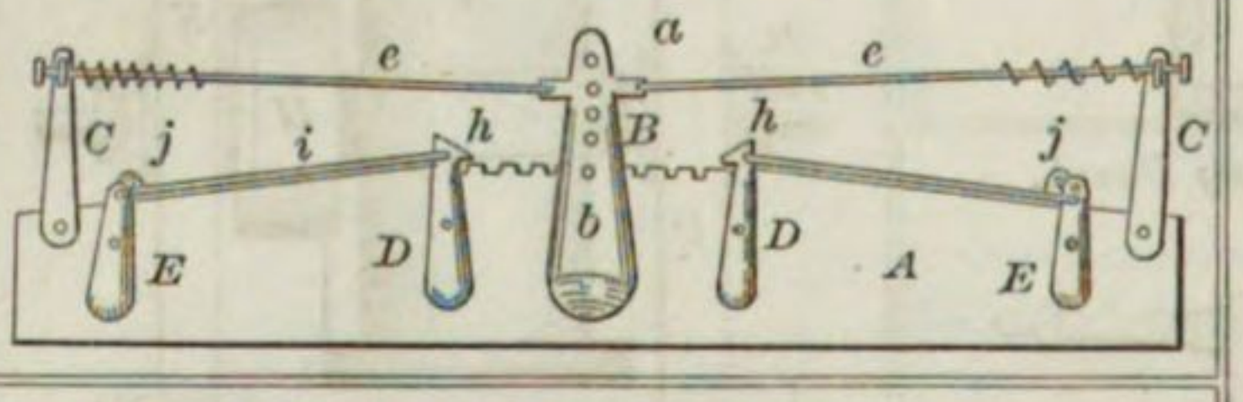
52676—E. H. Carpenter—*Track Rope Hay Elevator.*



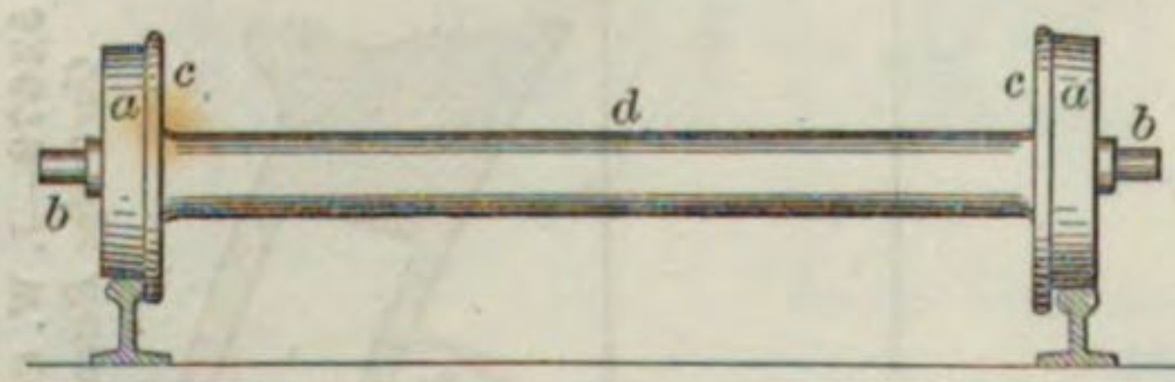
52681—S. Comfort—*Counting Machine.*



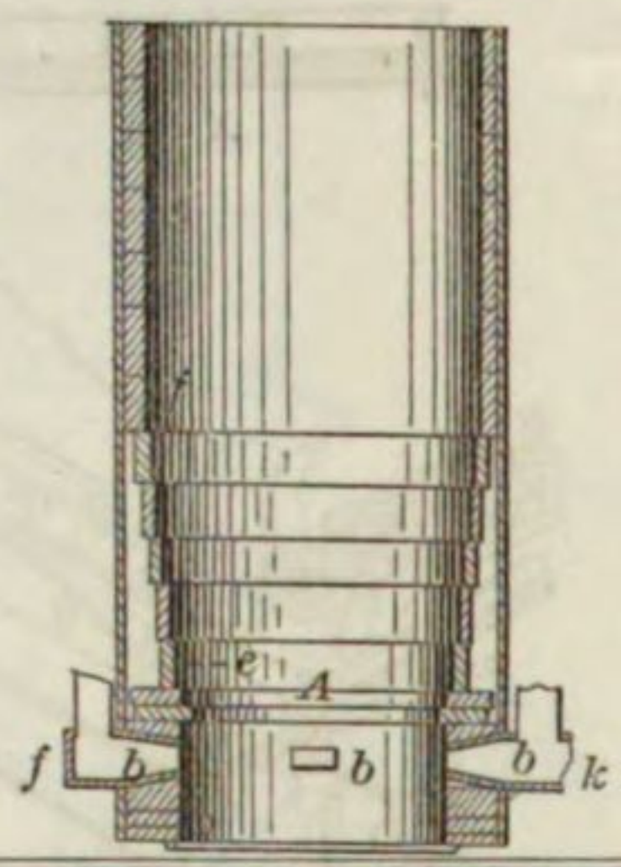
52682—N. Comstock—*Self-Operating Gate.*



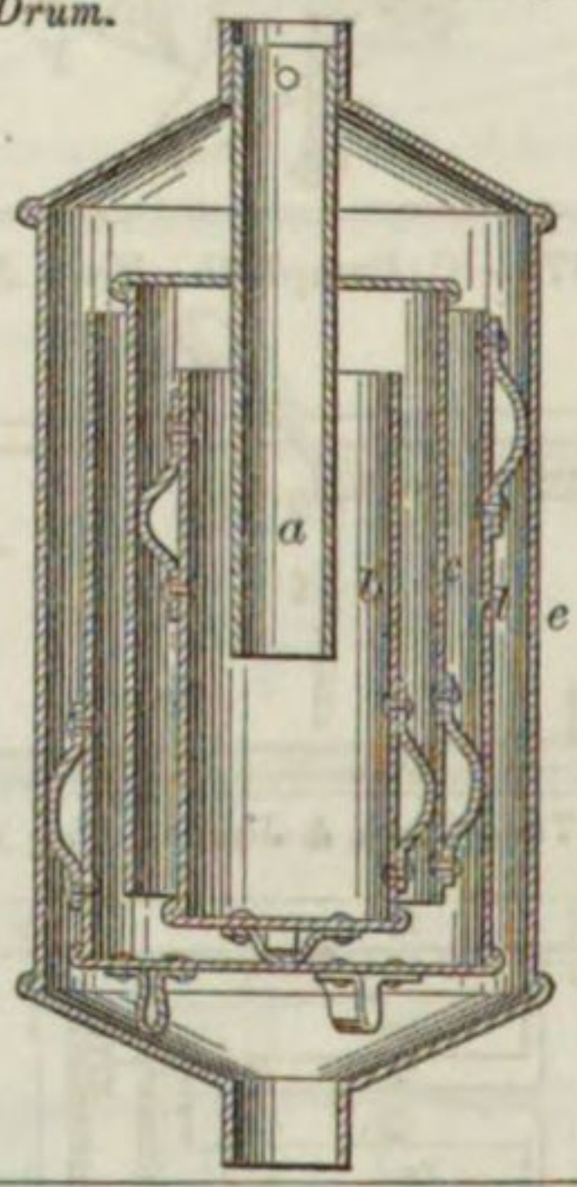
52683—J. L. Constable—*Car Wheel.*



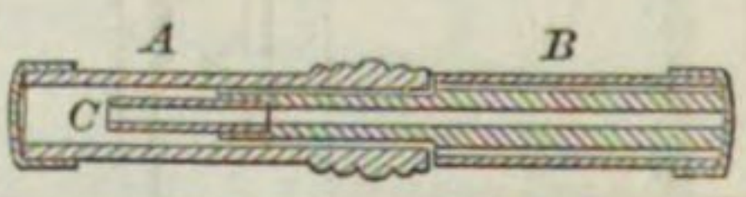
52684—A. G. Cook—*Cupola or Blast Furnace*



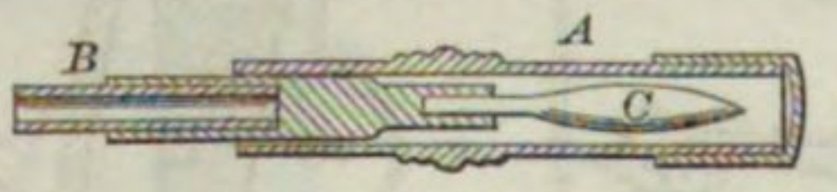
52685—H. Cook—*Stove Pipe Drum.*



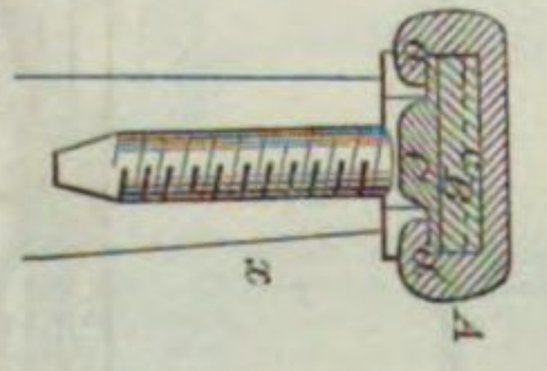
52686—R. Cross—*Watch Key and Toggle.*



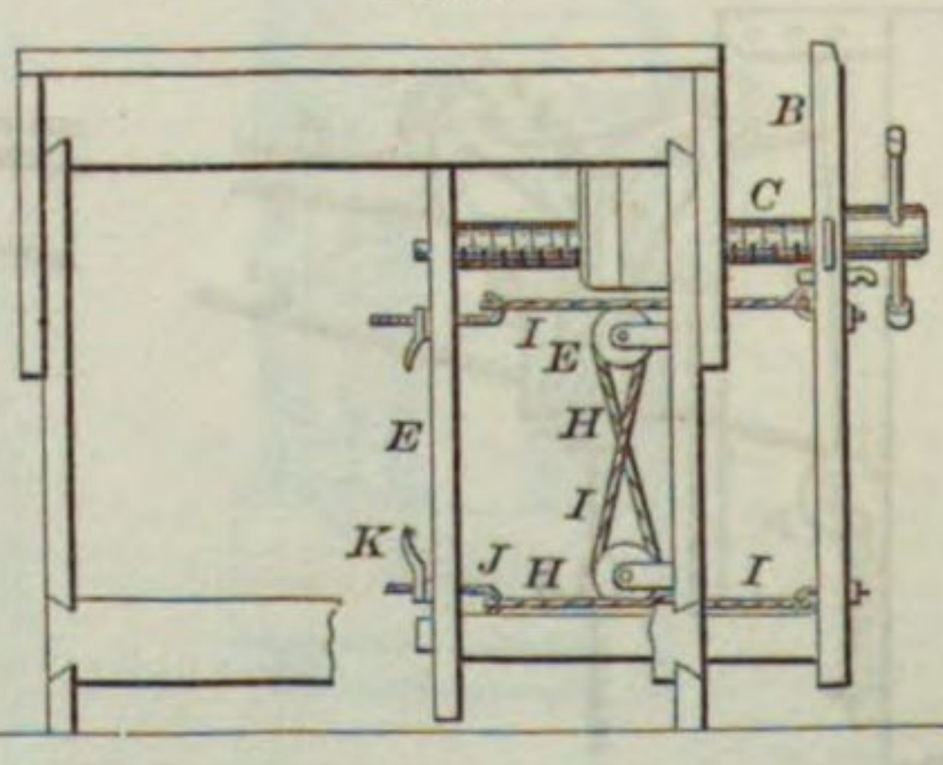
52687—R. Cross—*Watch Key, &c.*



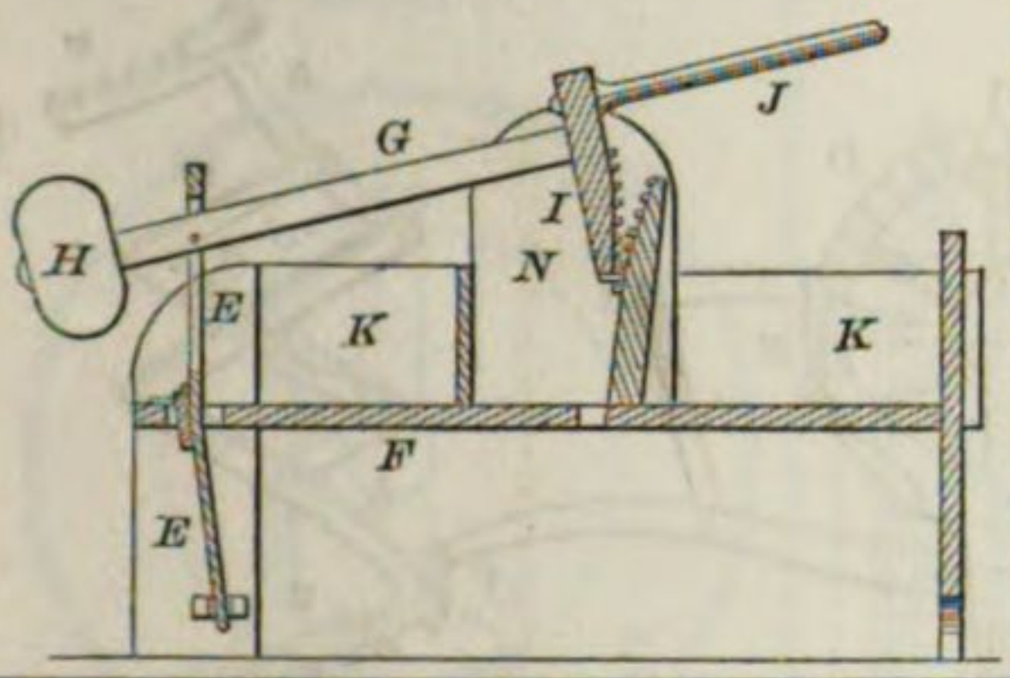
52688—C. Crossley—*Mill Pick.*



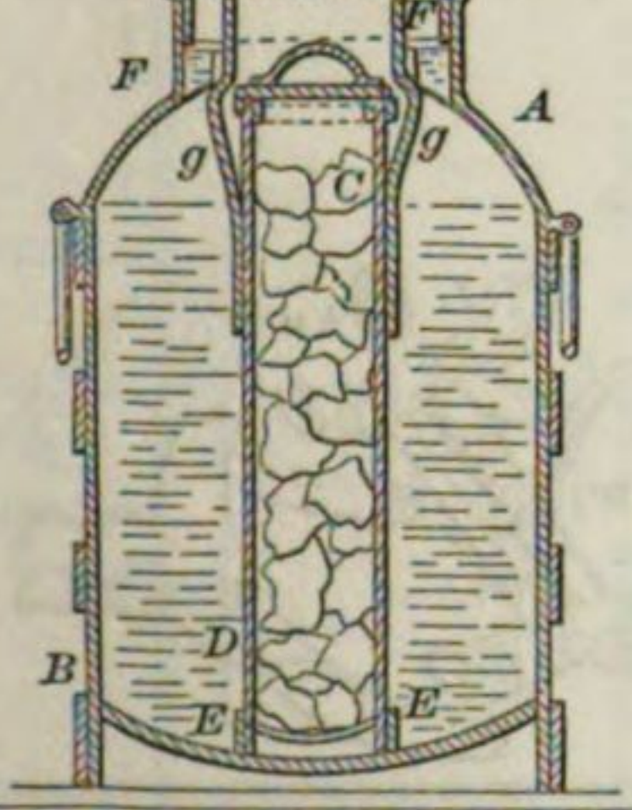
52689—W. H. Cutter—*Vise for Carpenter's Bench.*



52690—J. Davis—*Sheller.*

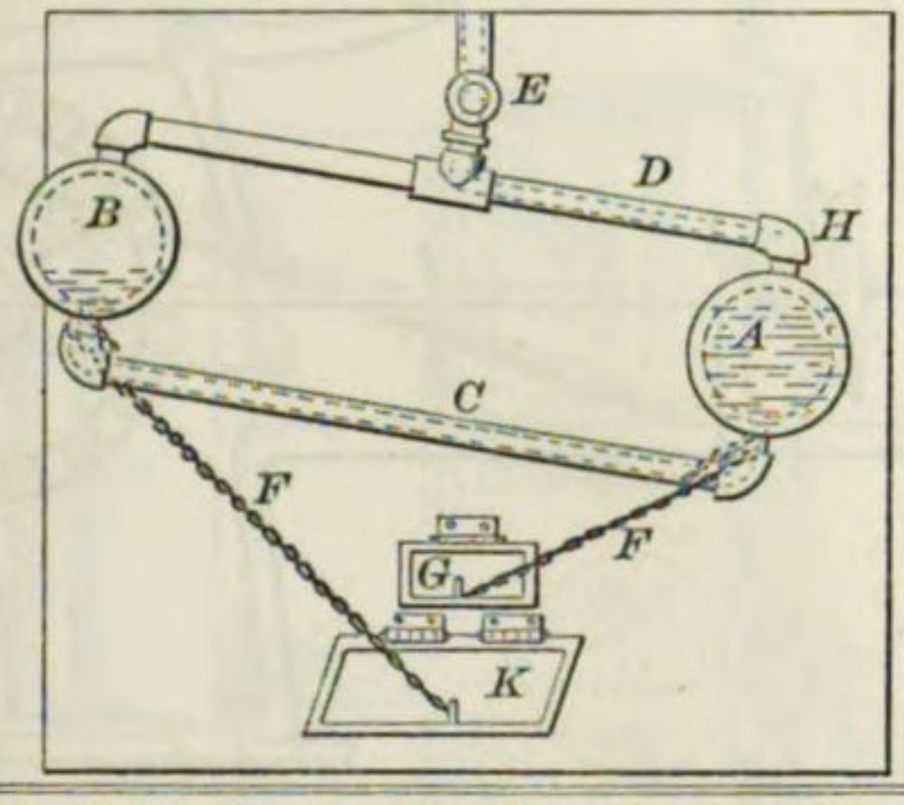


52691—J. Q. Davis—*Milk Can.*

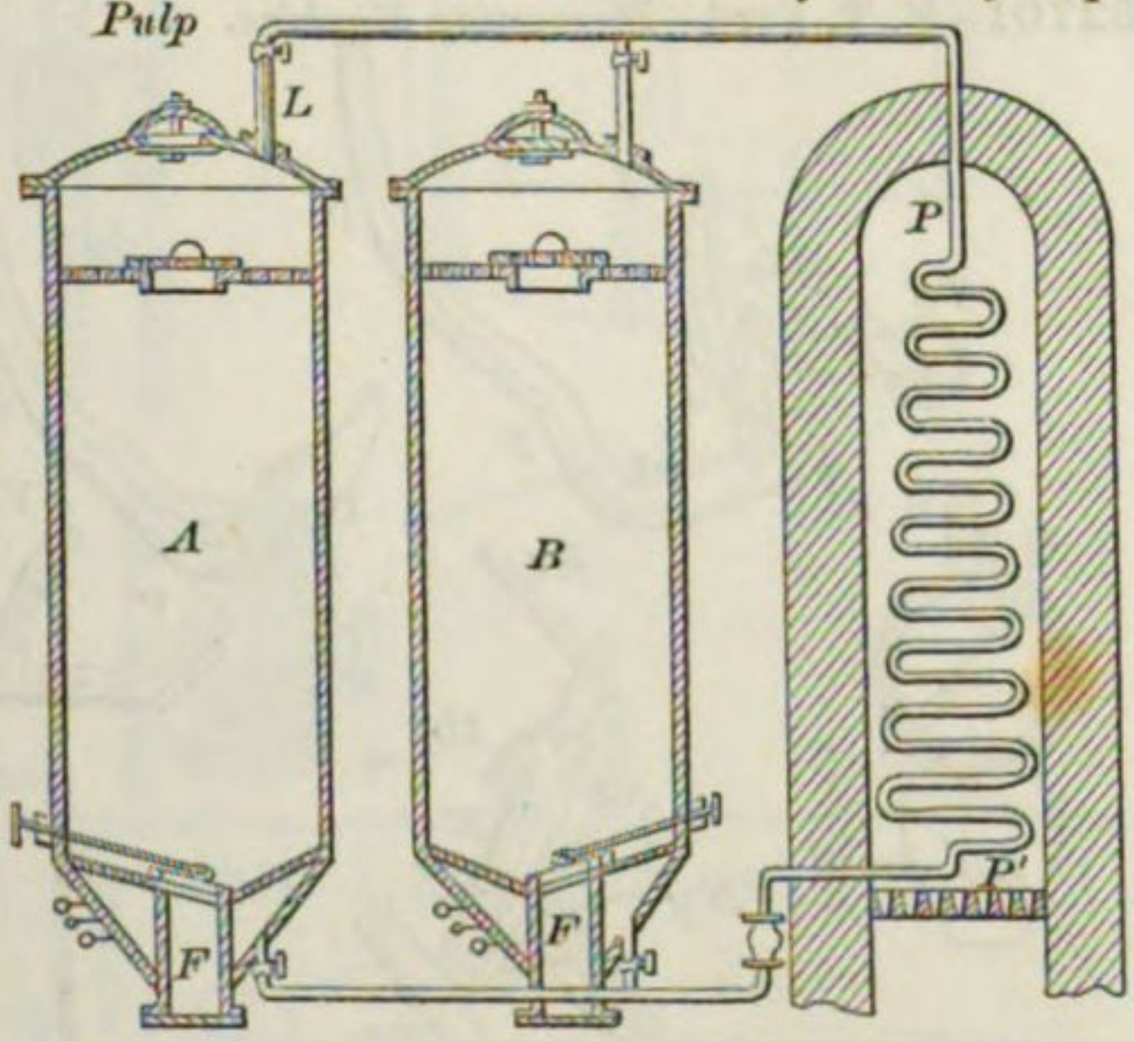


52692—T. D. Day—*Skirt Wire.*

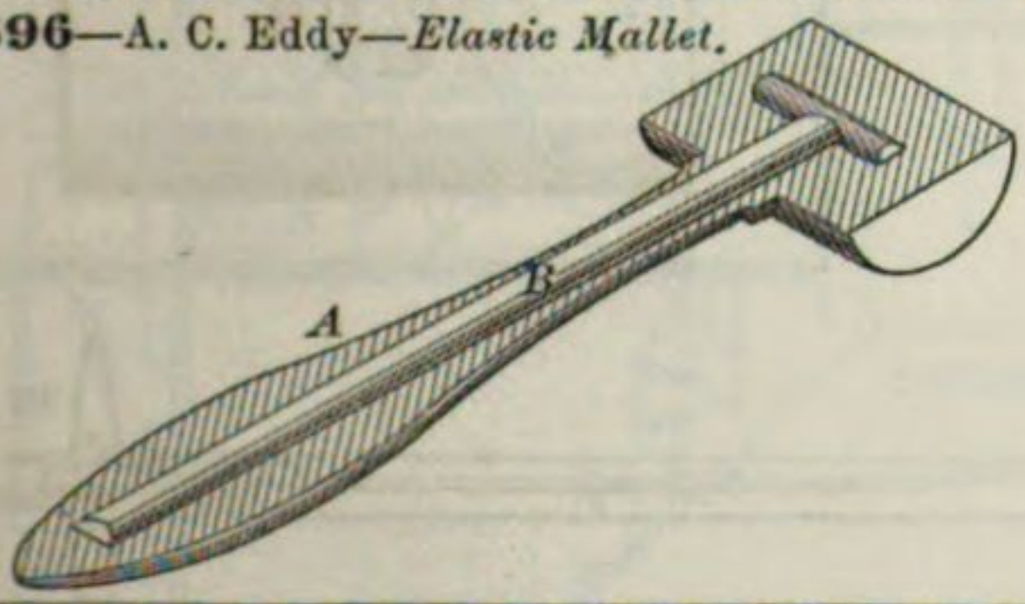
52695—O. A. Dodge—*Furnace Door Regulator.*



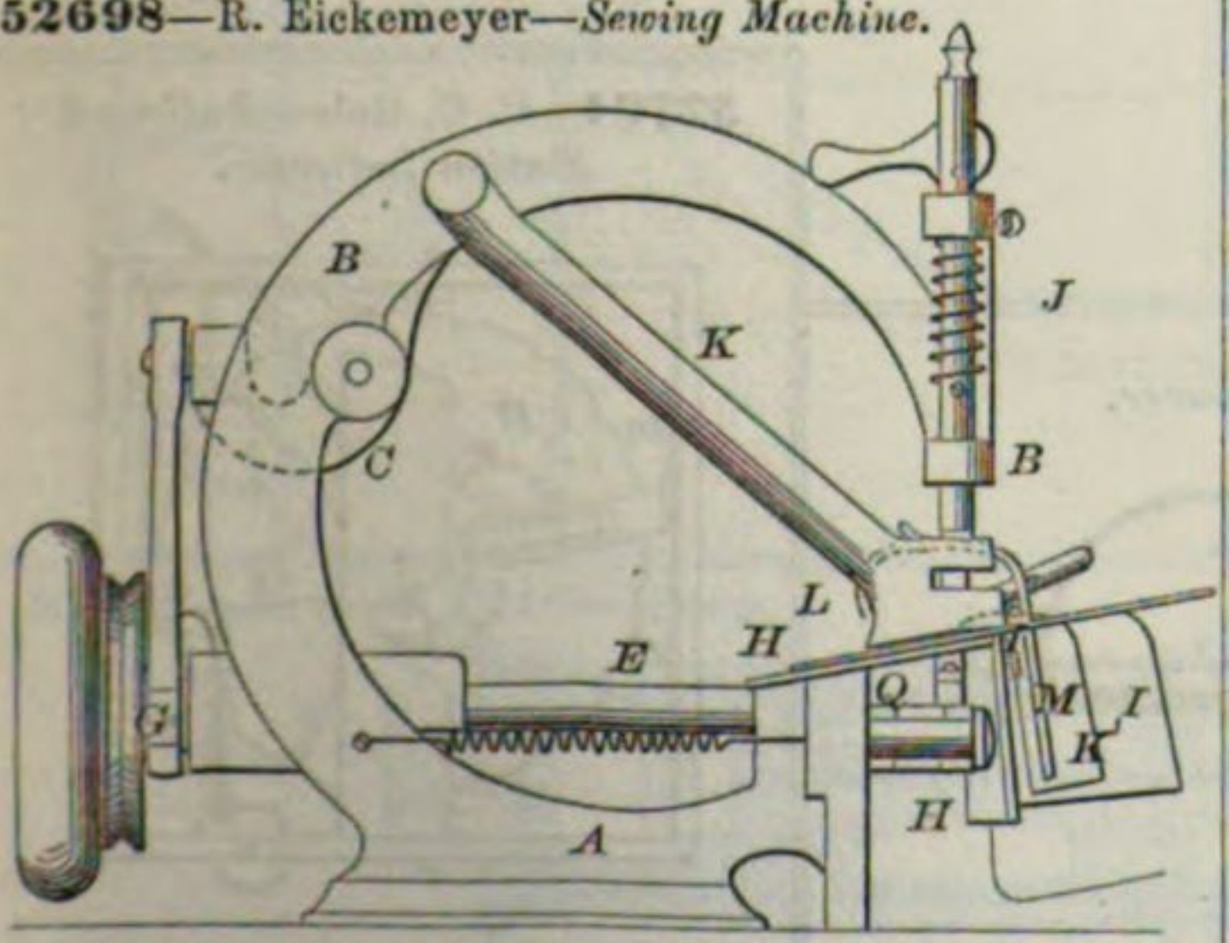
52694—J. W. Dixon—*For Manufacture of Paper Pulp*



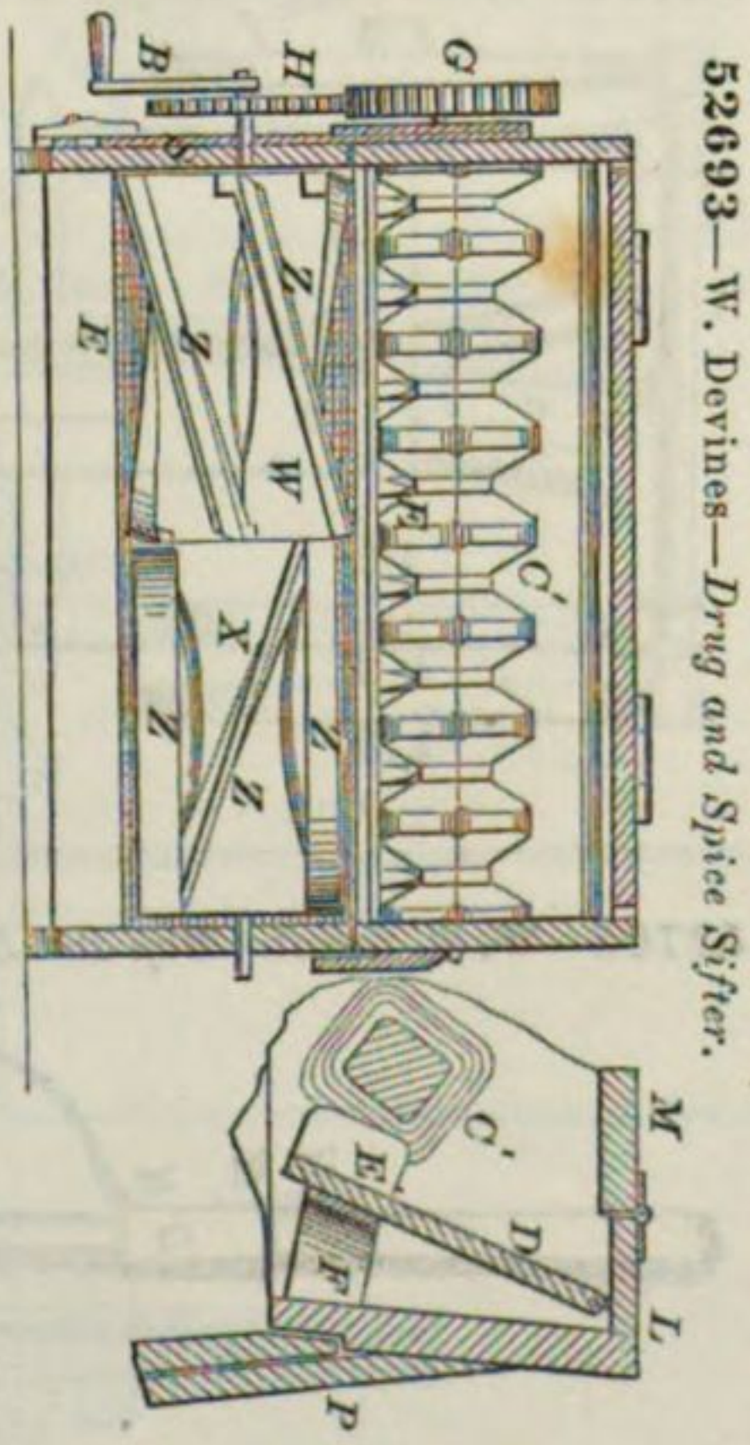
52696—A. C. Eddy—*Elastic Mallet.*



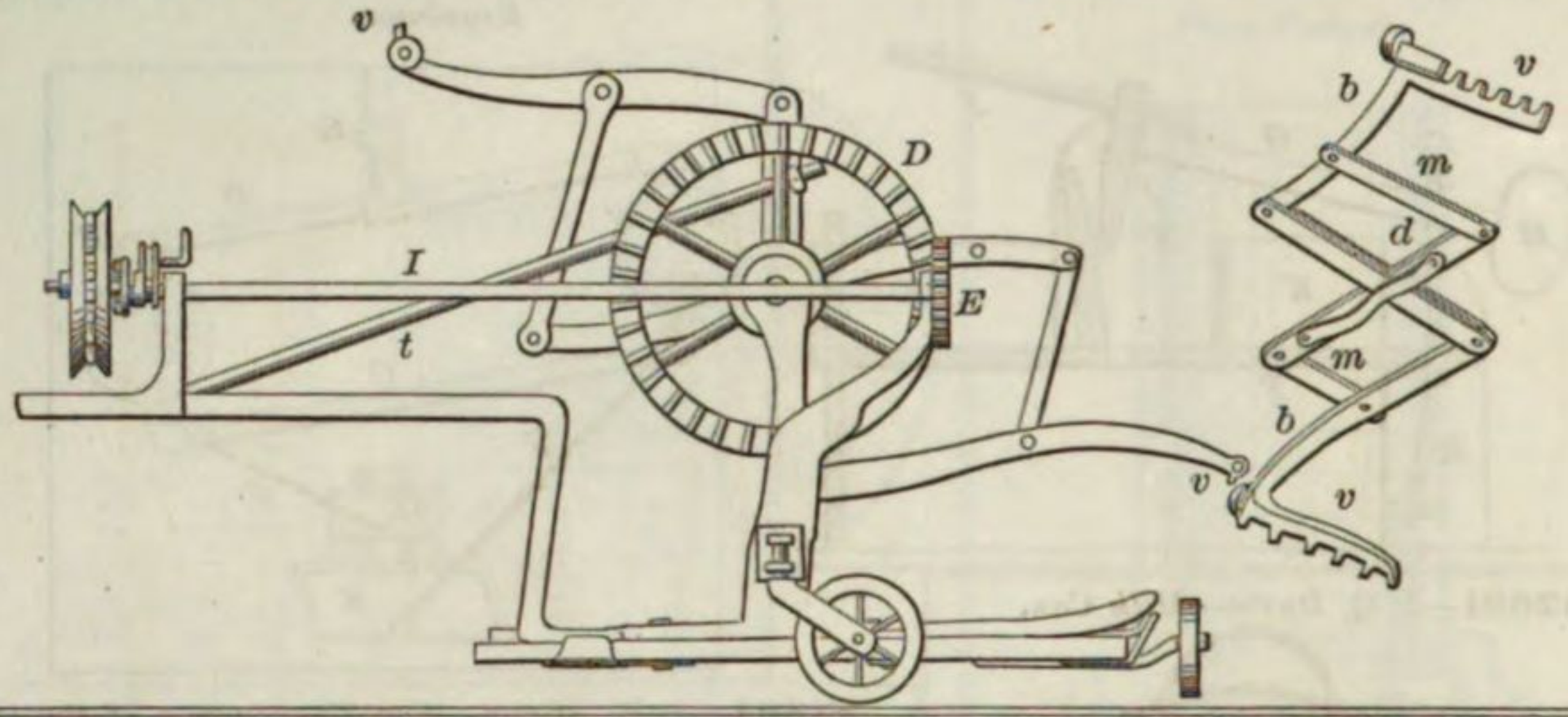
52698—R. Eickemeyer—*Sewing Machine.*



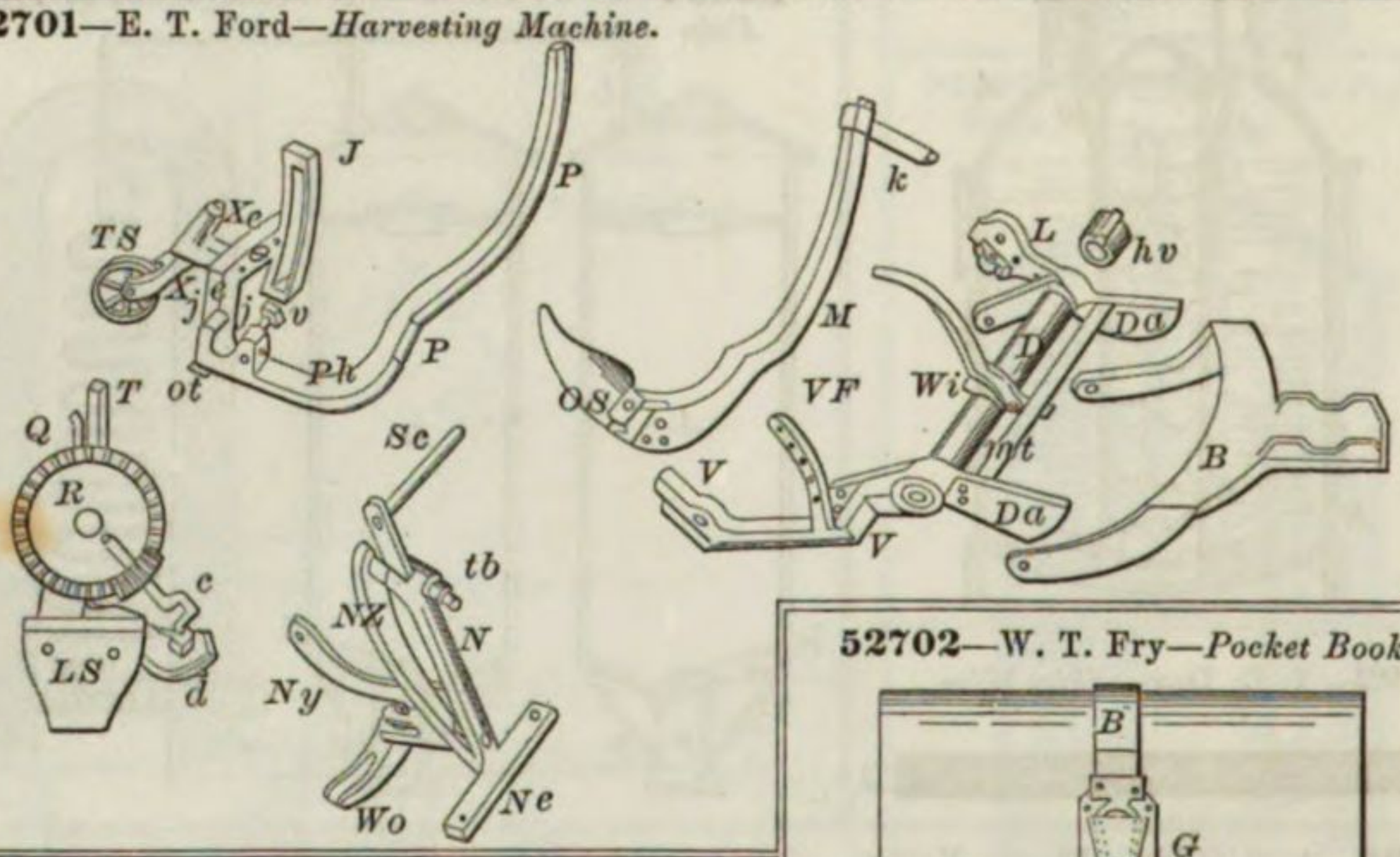
52693—W. Devines—*Drug and Spice Sifter.*



52700—E. T. Ford—*Harvester Rake.*

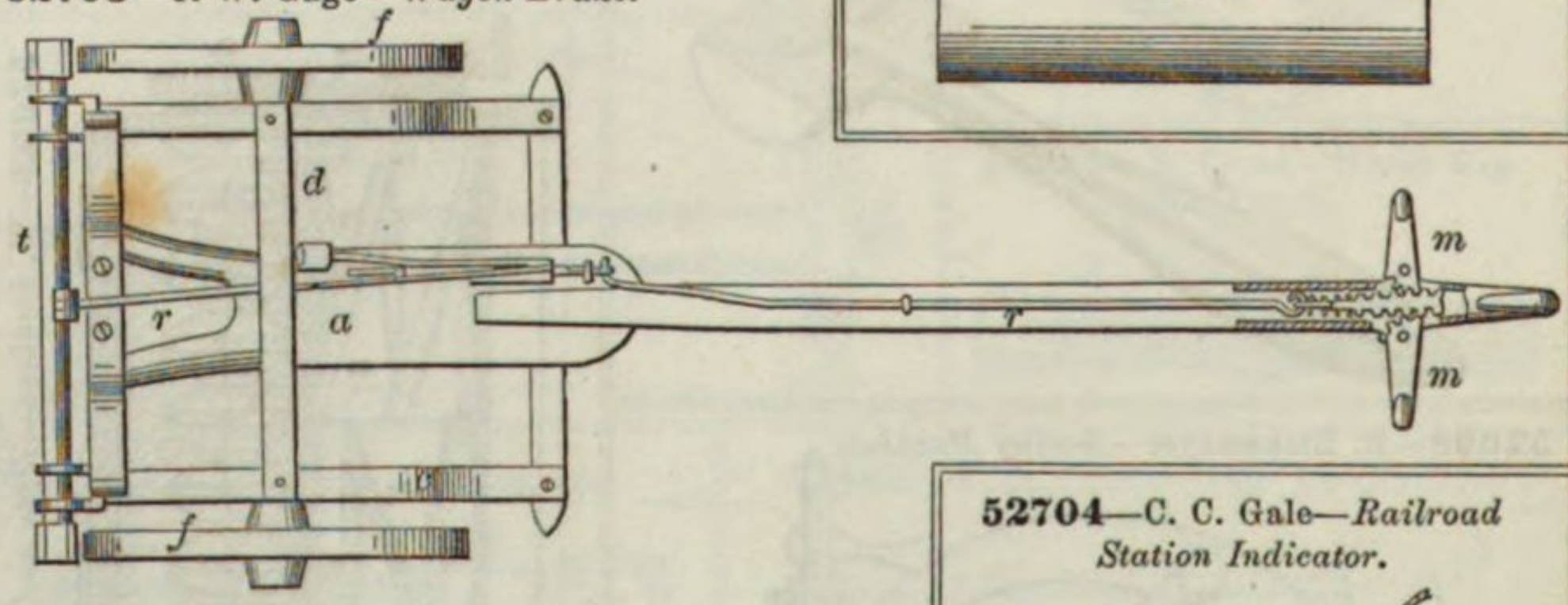


52701—E. T. Ford—*Harvesting Machine.*



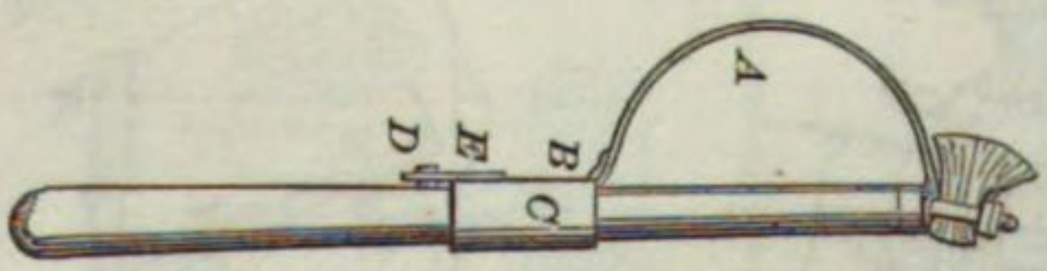
52702—W. T. Fry—*Pocket Book.*

52703—C. W. Gage—*Wagon Brake.*

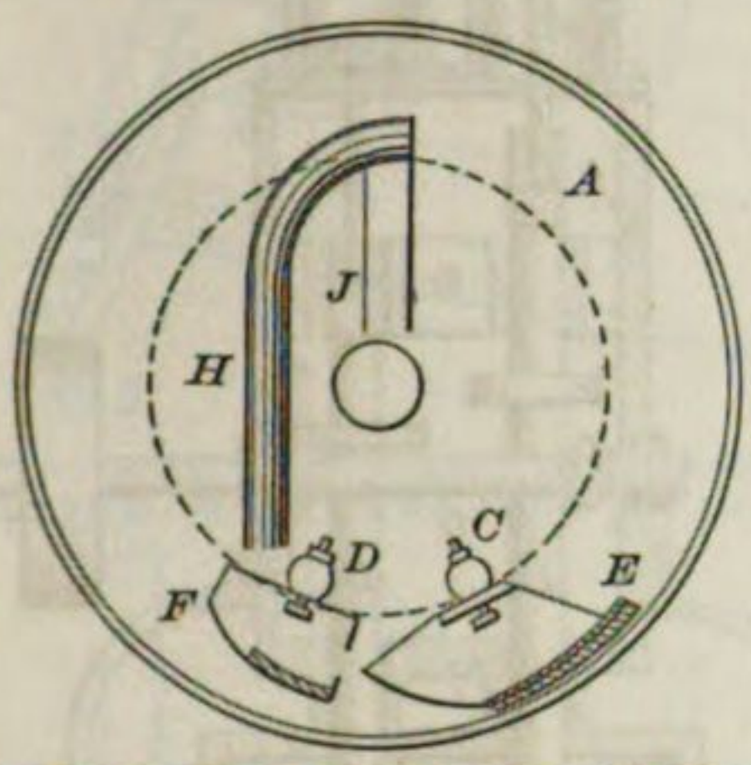


52704—C. C. Gale—*Railroad Station Indicator.*

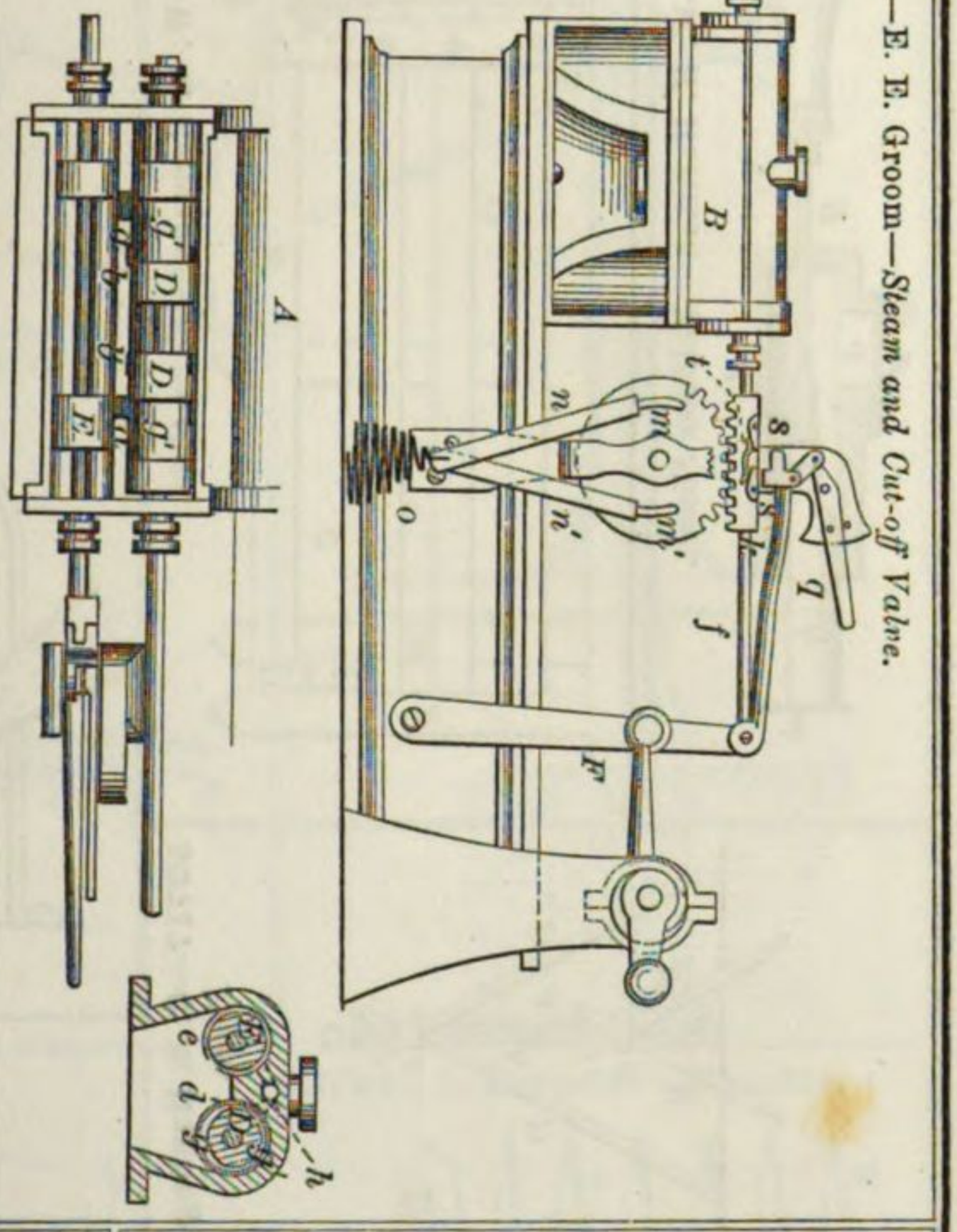
52705—W. T. Grant—*Mop and Scourer.*



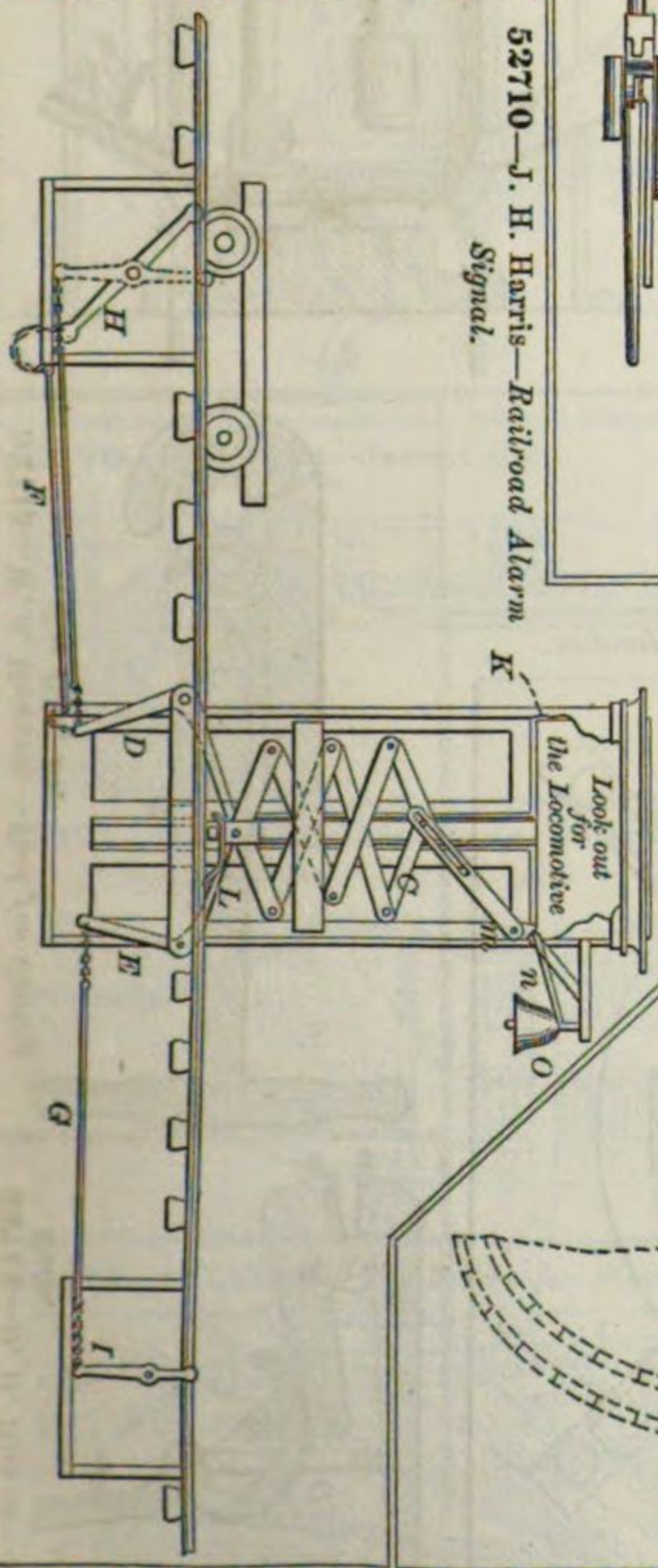
52706—W. C. Grimes—*Grain Huller.*



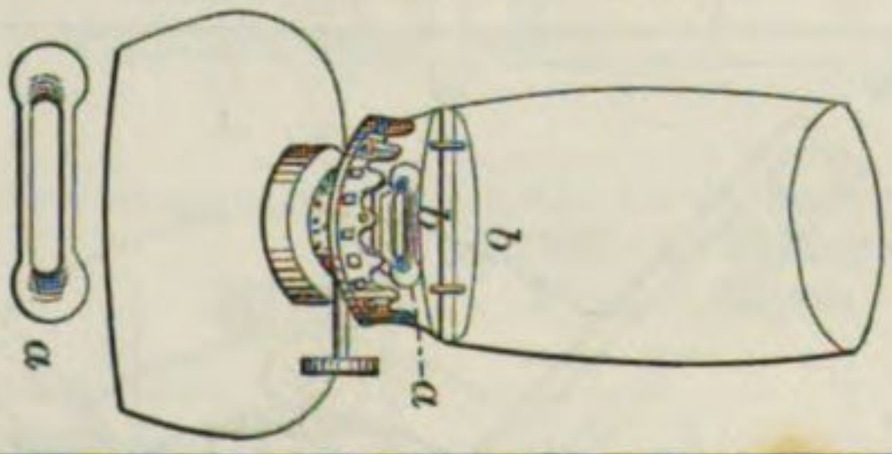
52707—E. E. Groom—*Steam and Cut-off Valve.*



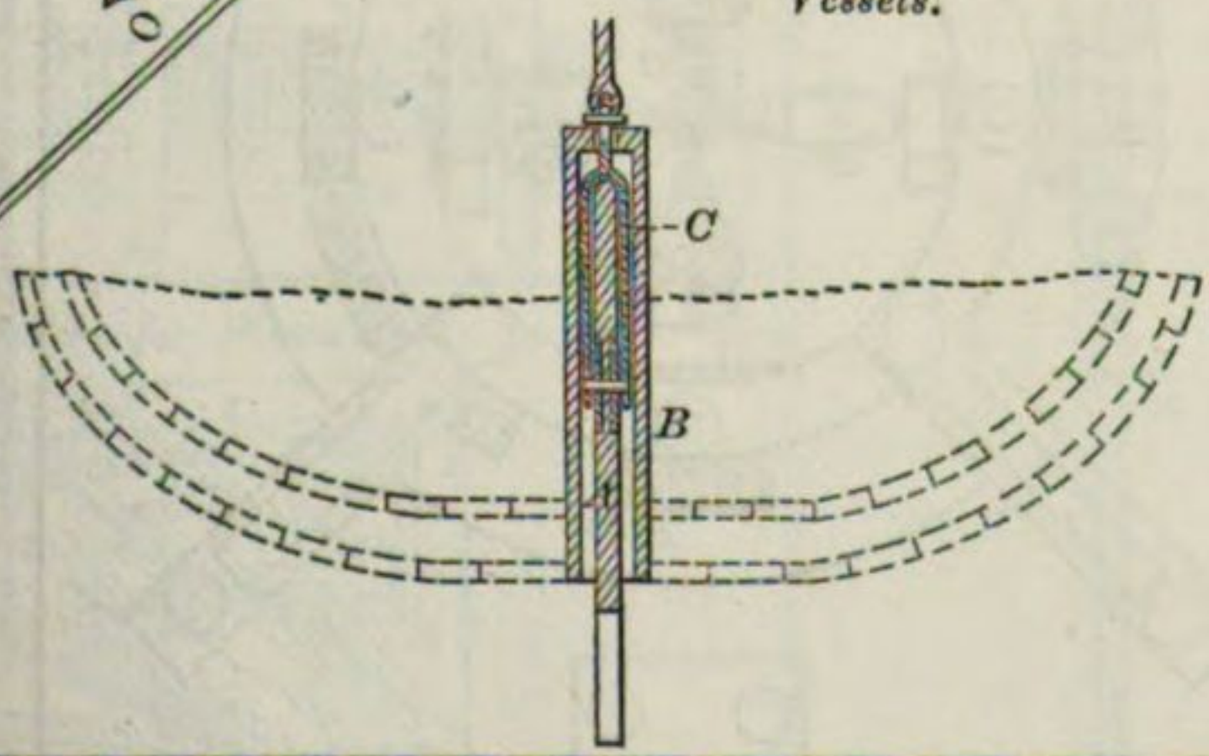
52710—J. H. Harris—*Railroad Alarm Signal.*



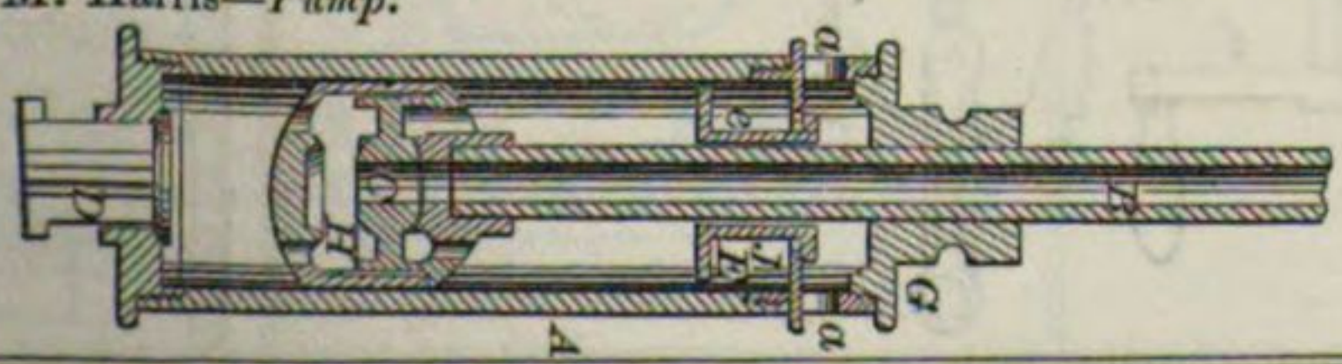
52711—A. Harroun, Jr.—*Lamp.*



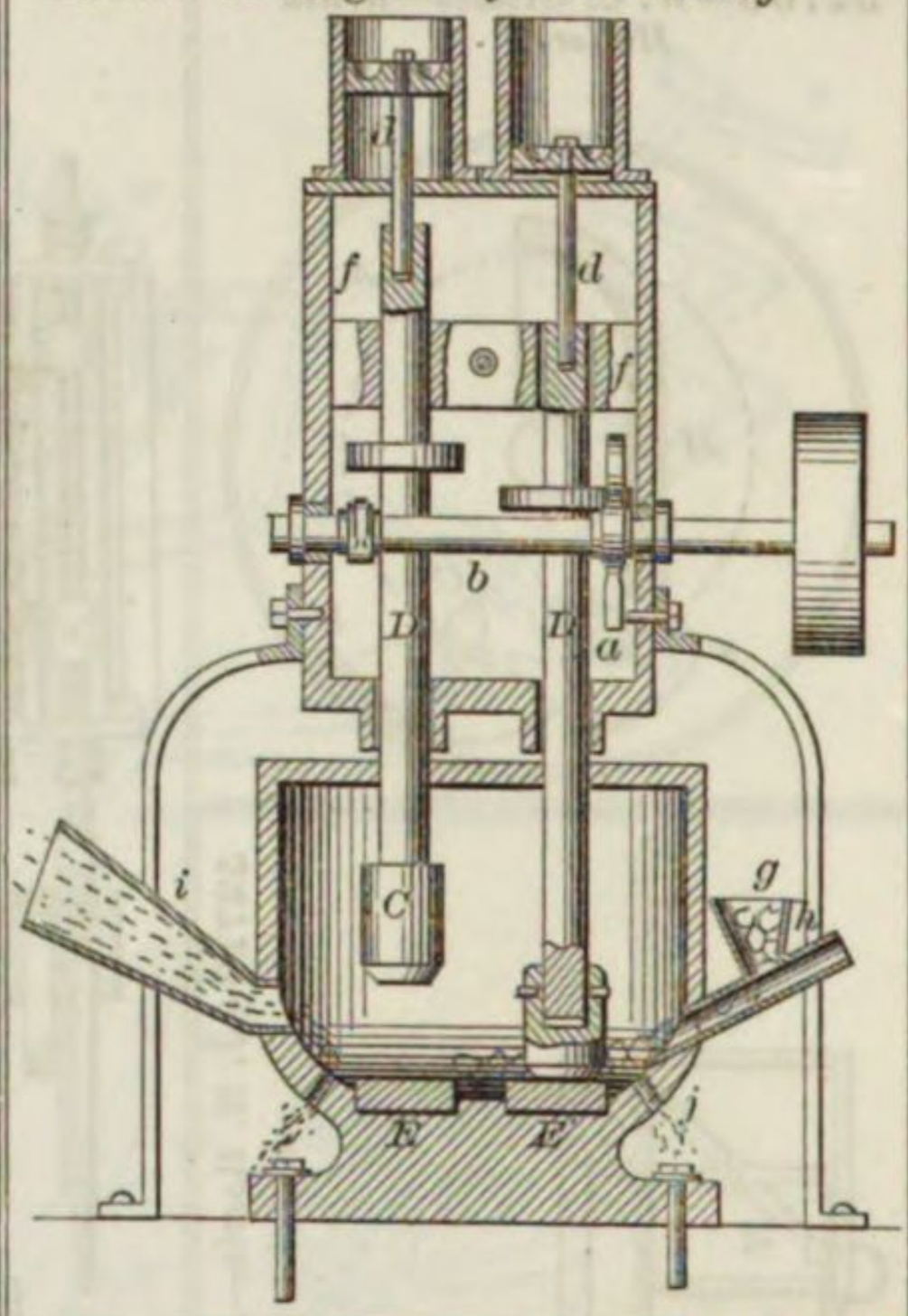
52708—J. F. Hall—*Hanging Centre Boards of Vessels.*



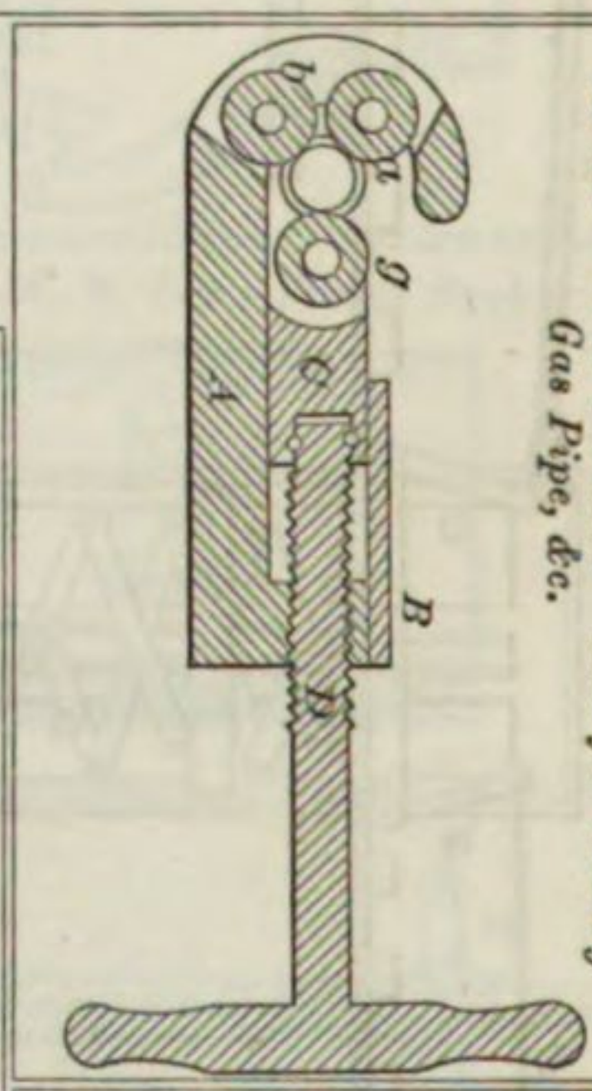
52709—H. A. M. Harris—*Pump.*



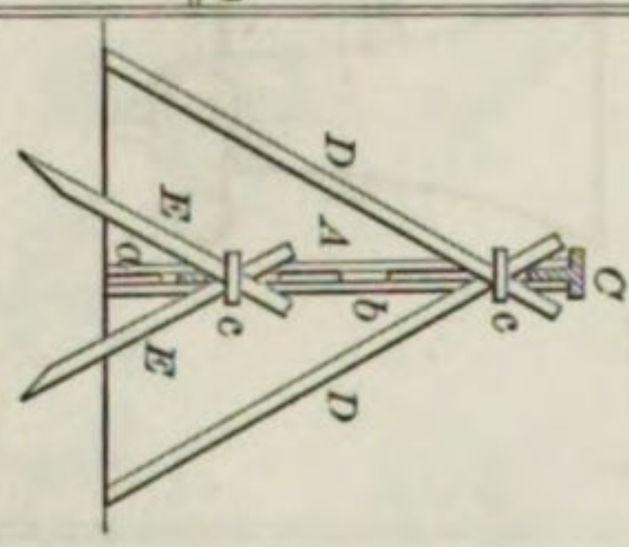
52716—D. Hughes—*Quartz Crushing.*



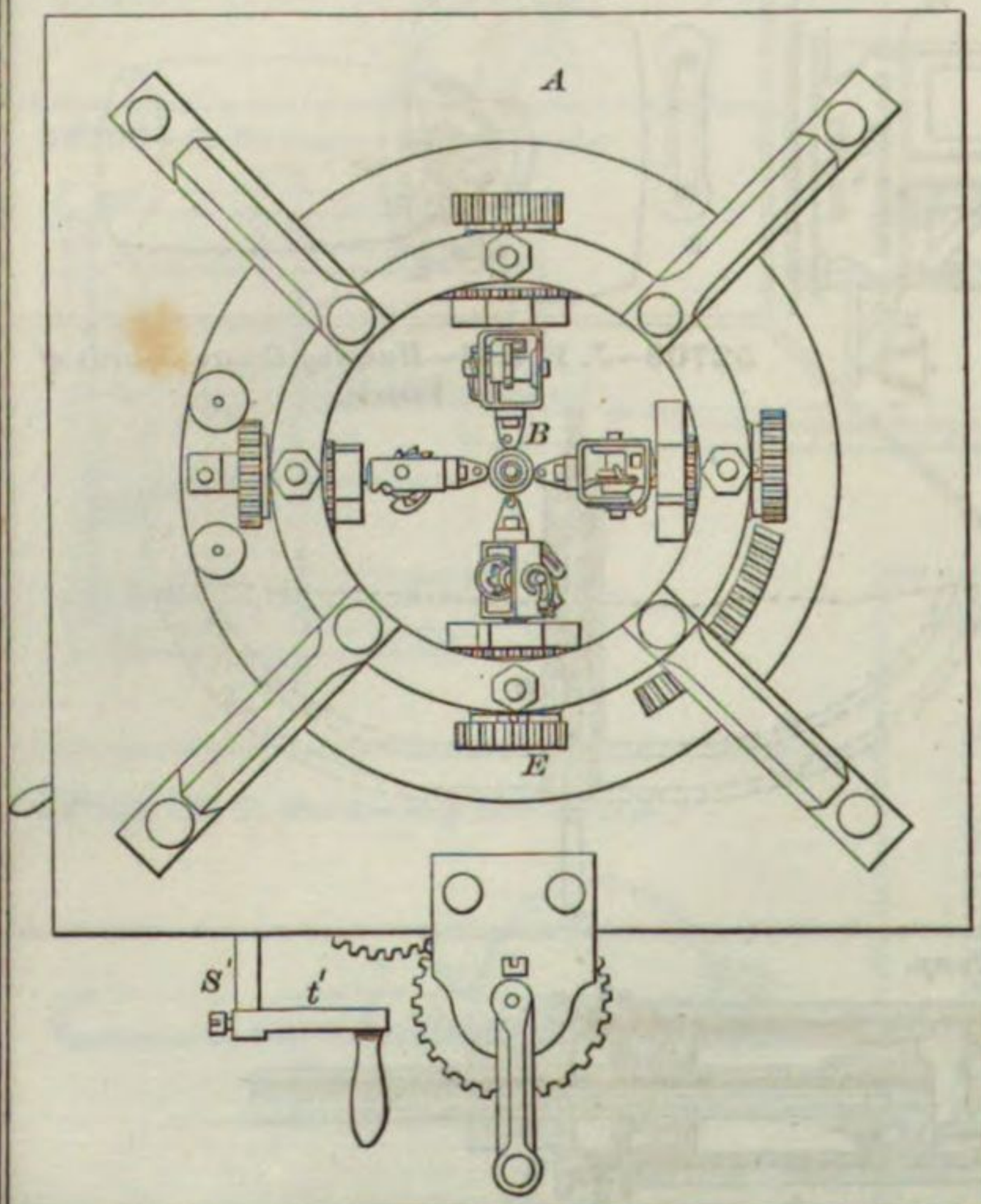
52715—W. S. Howarth—*Tool for Cutting Gas Pipe, &c.*



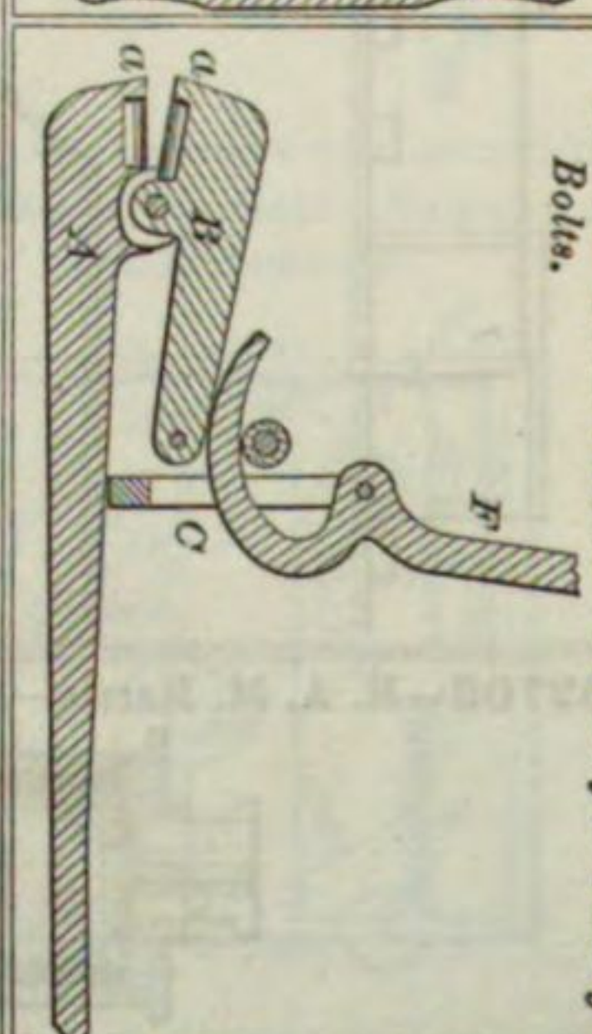
52717—C. B. Hunting—*Fence.*



52718—L. Hull—*Weaving Coverings for Whip Handles.*

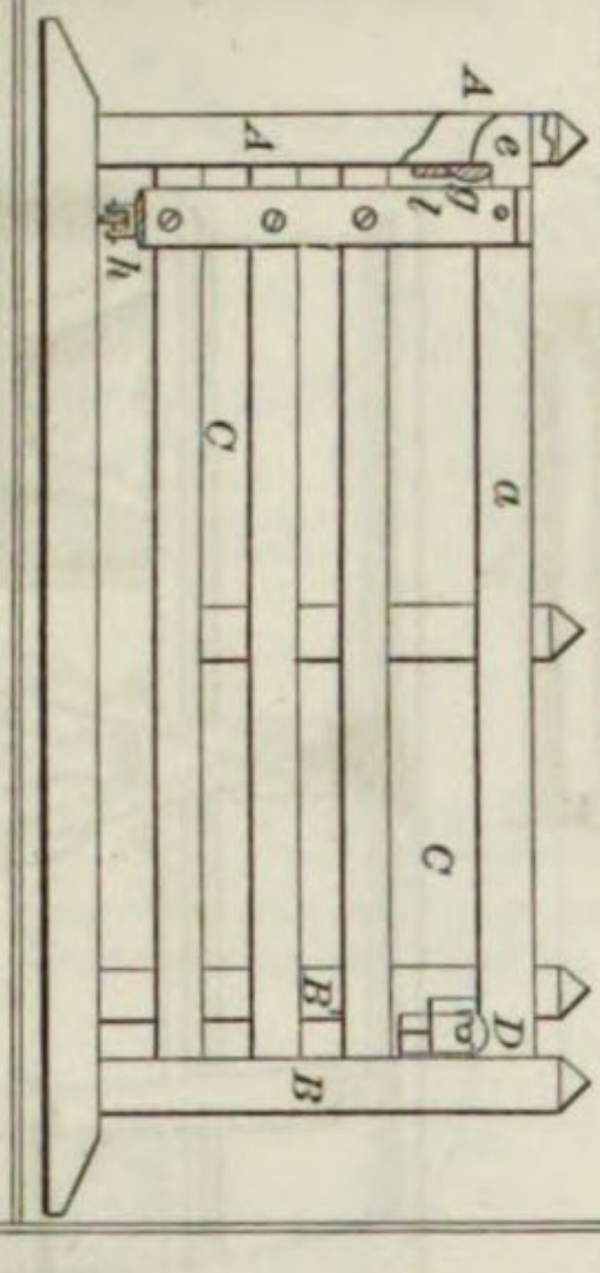


52714—D. H. Hickok—*Shears for Cutting Bolts.*

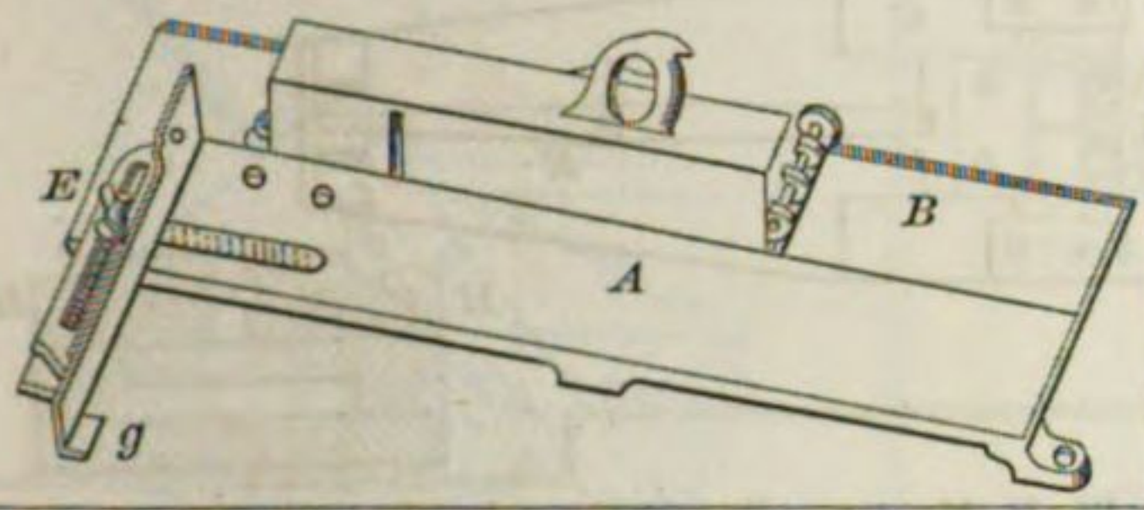


52712—W. H. Hartman—*Molasses Faucet.*

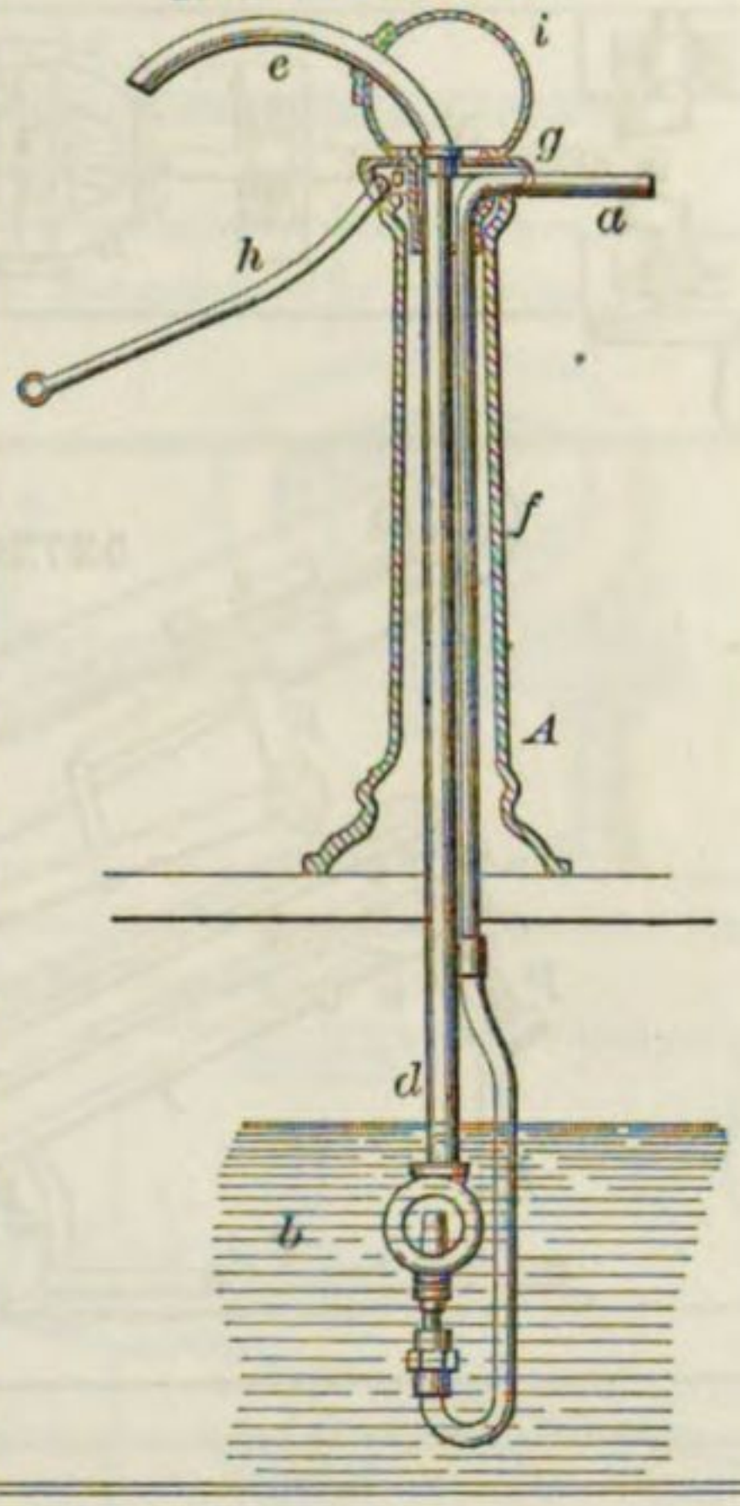
52713—W. G. Hermance—*Farm Gate.*



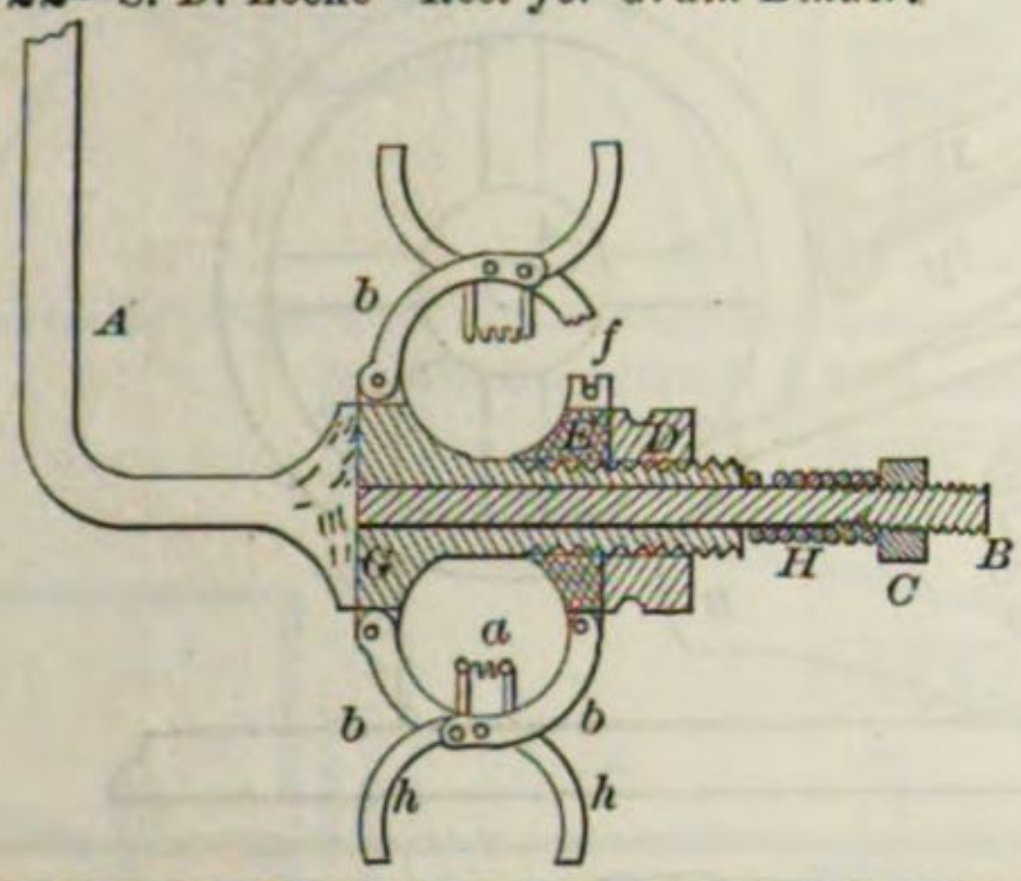
52719—J. Jones—*Carpenter's Shooting Board.*



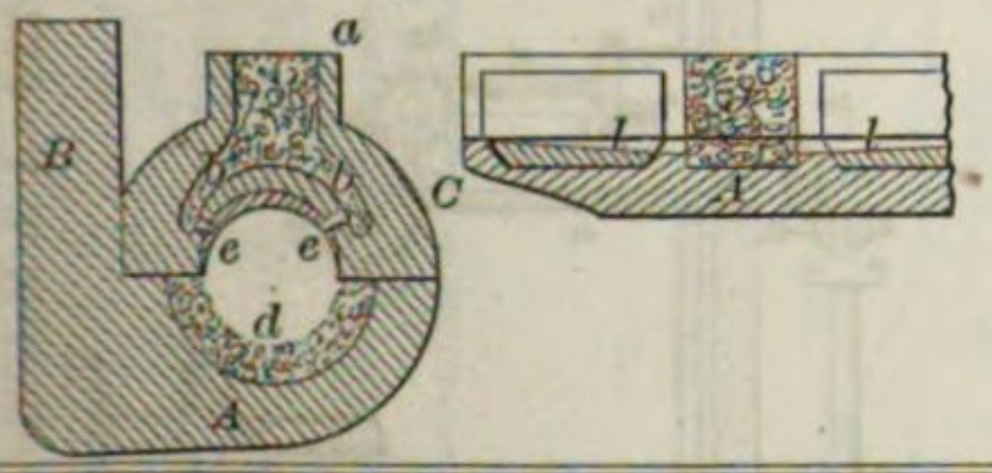
52721—H. S. Lansdell—*Pump for Railroad Stations.*



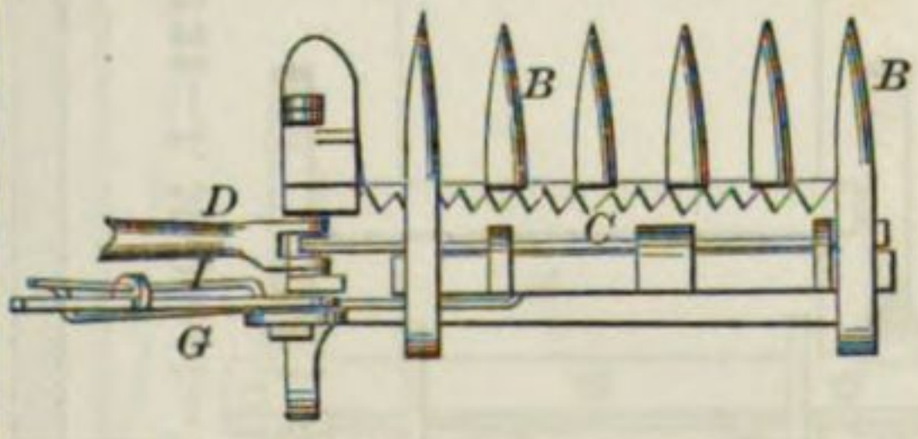
52722—S. D. Locke—*Reel for Grain Binder.*



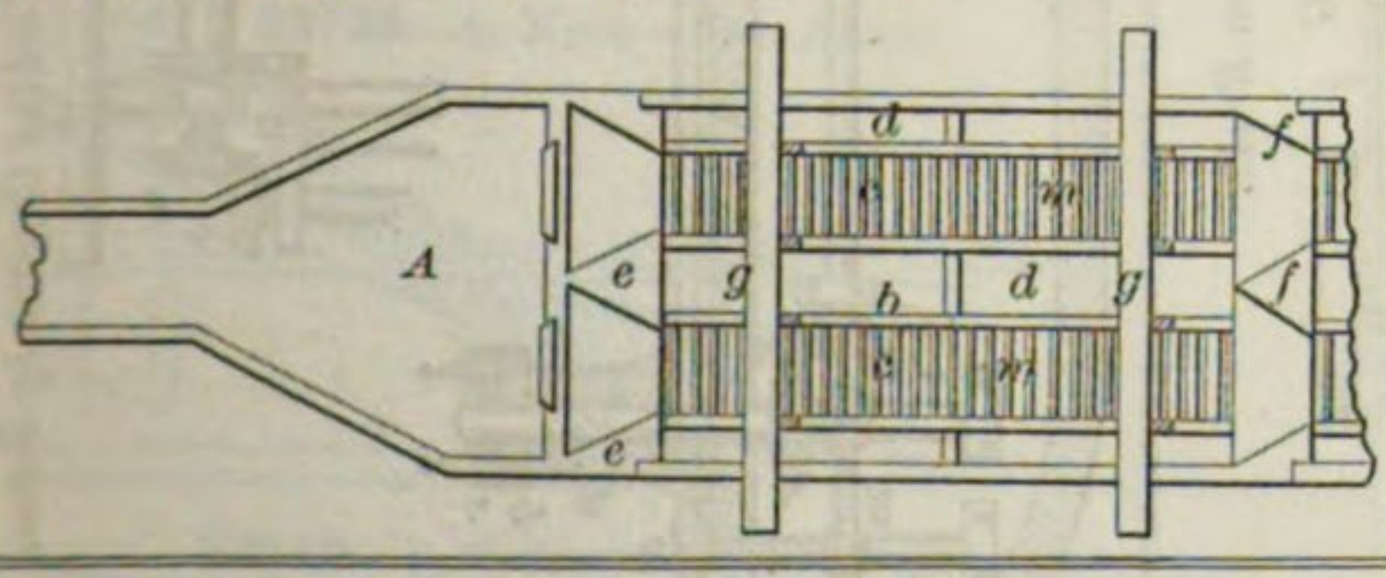
52720—E. F. Light—*Journal Box.*



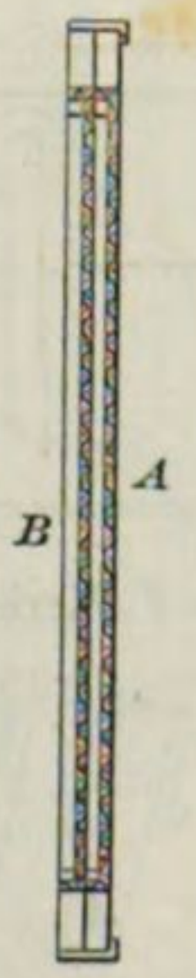
52724—A. Lowmiller—*Harvester.*



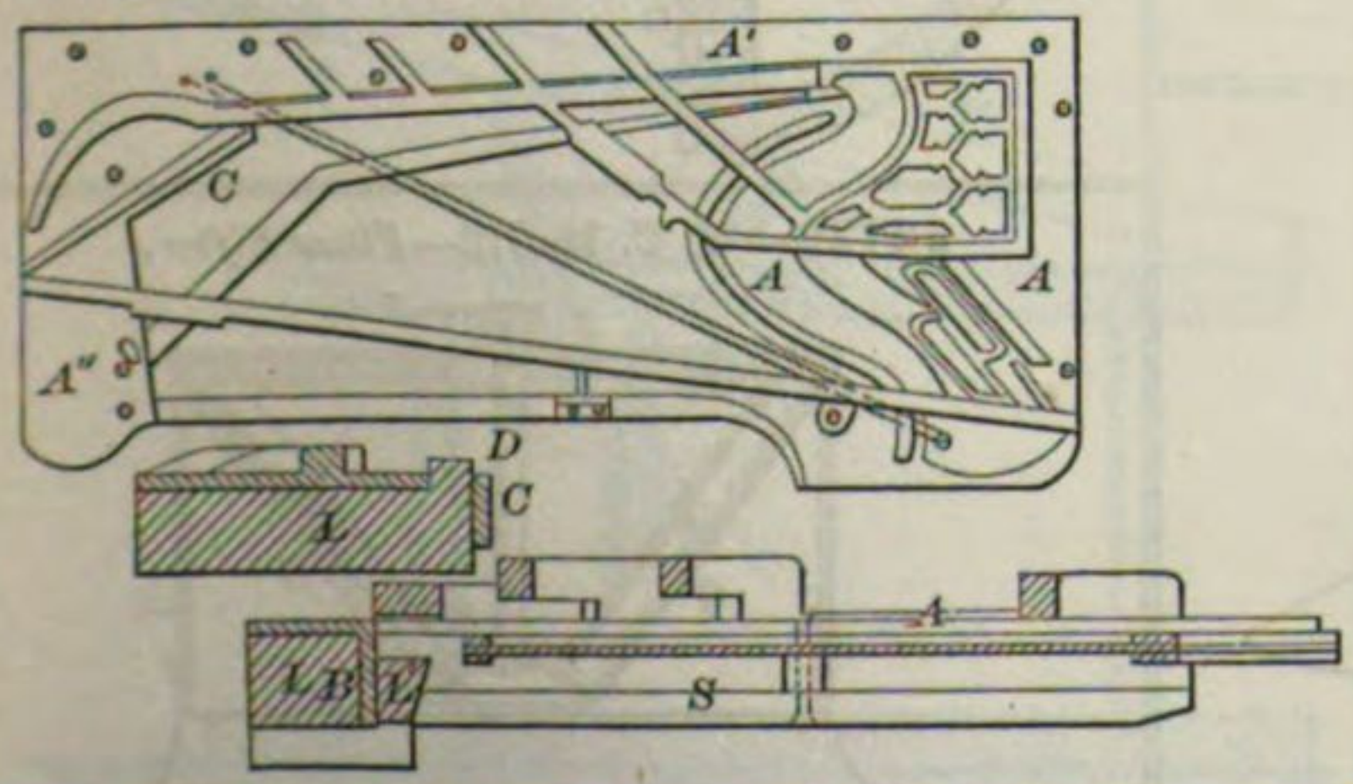
52723—H. Logan—*Sluice for Quartz Mills.*



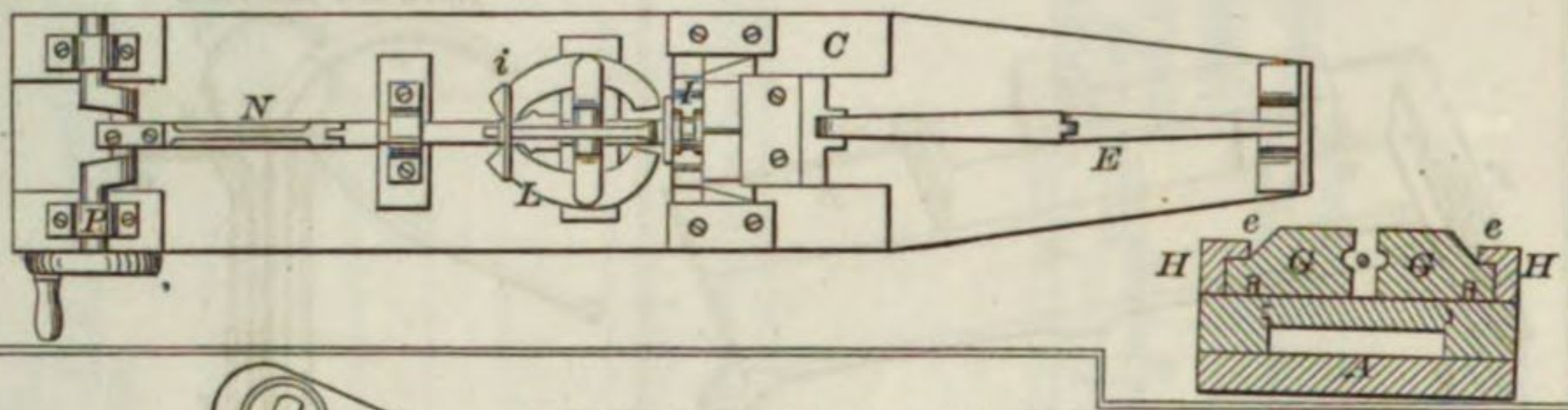
52726—A. B. Magoun—*Window Screen.*



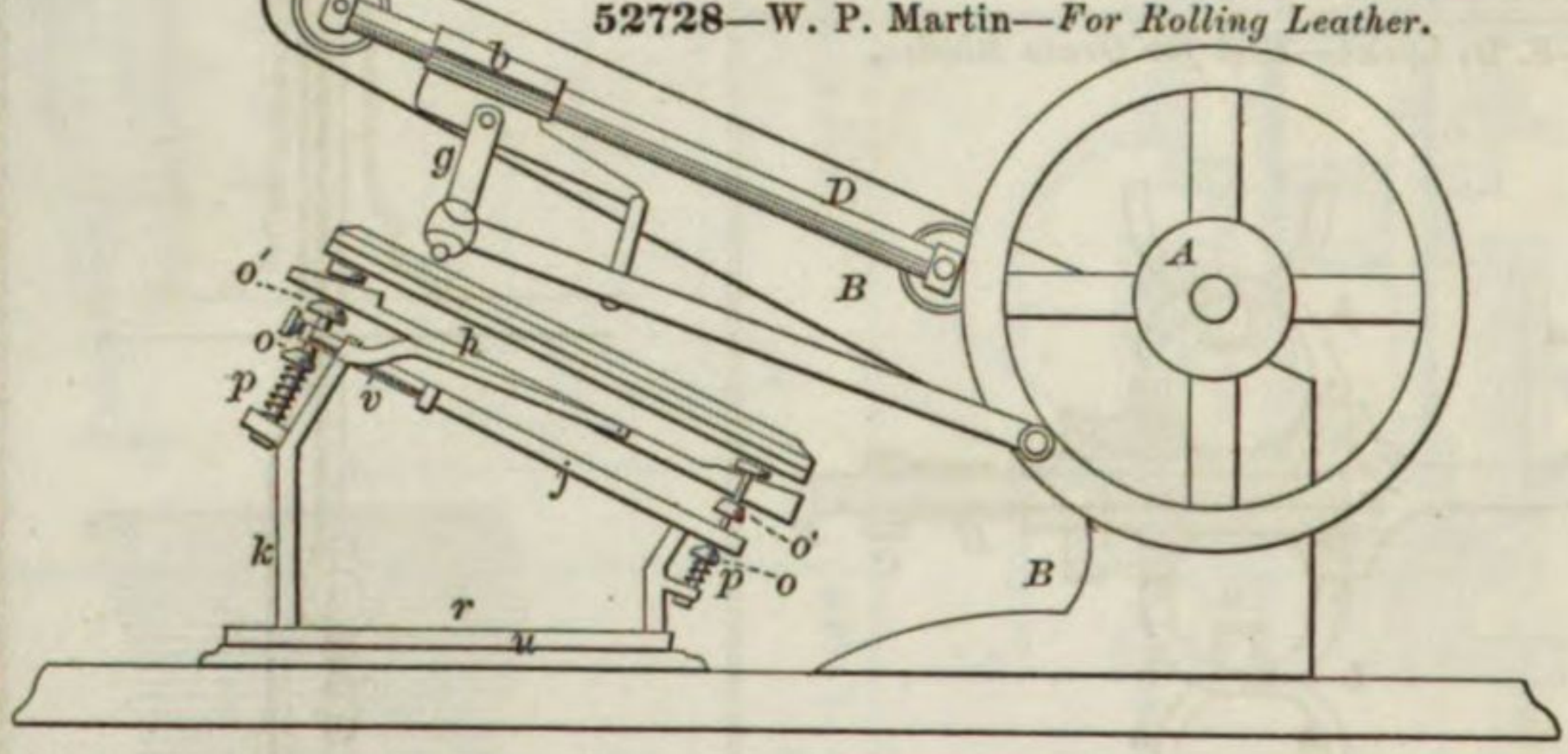
52725—A. Ludolff—*Iron Frame for Piano Forte.*



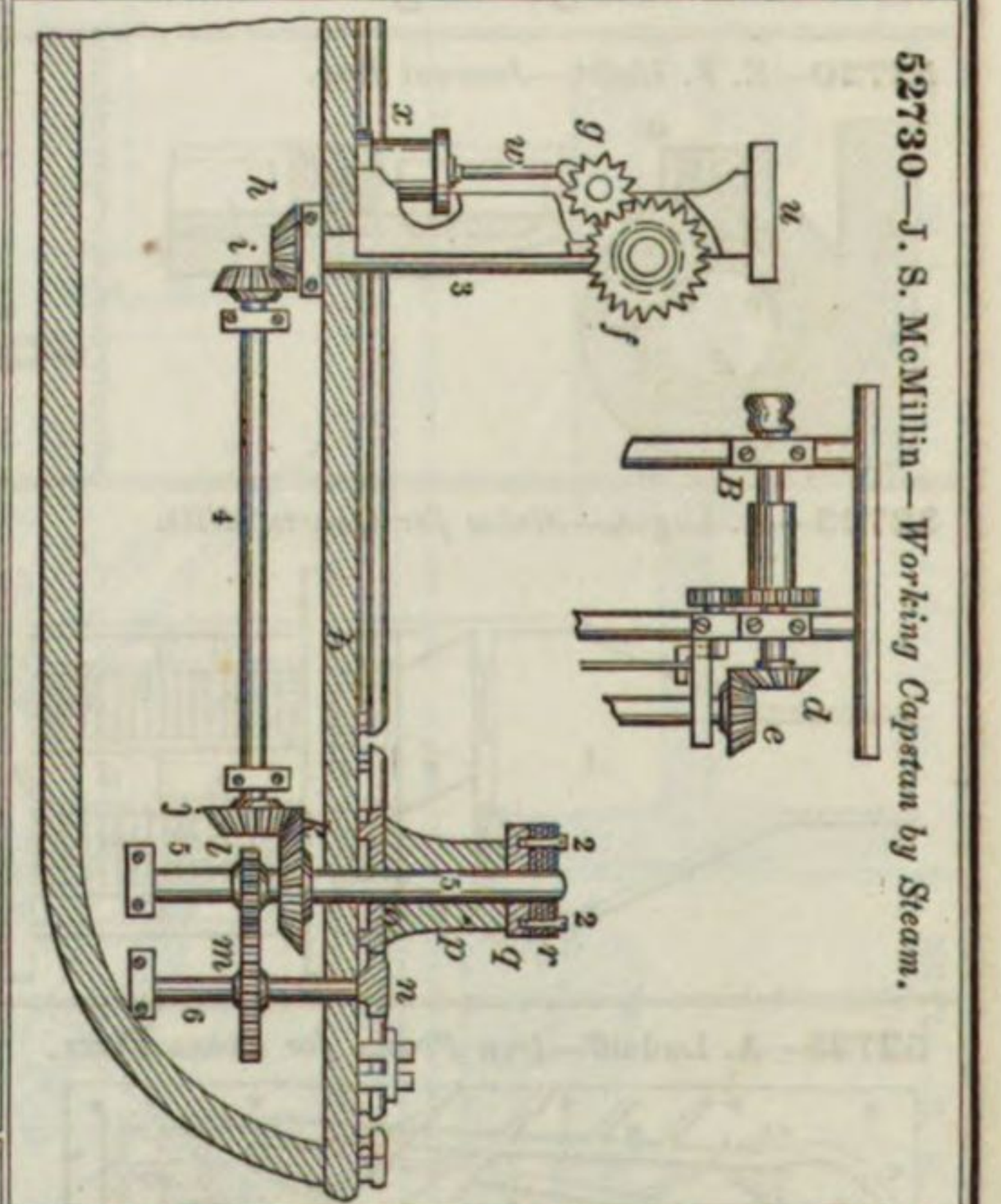
52727—M. D. Marcy—*Bolt Heading Machine.*



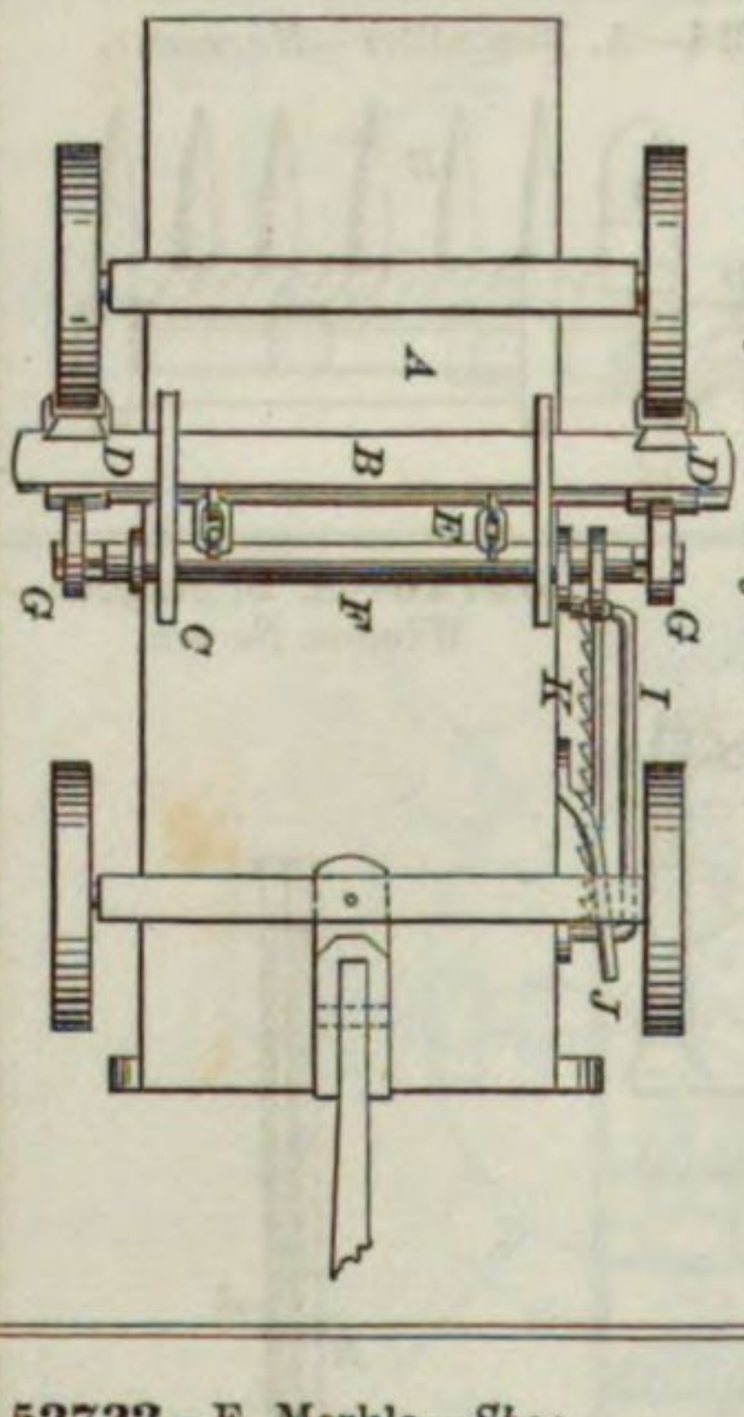
52728—W. P. Martin—*For Rolling Leather.*



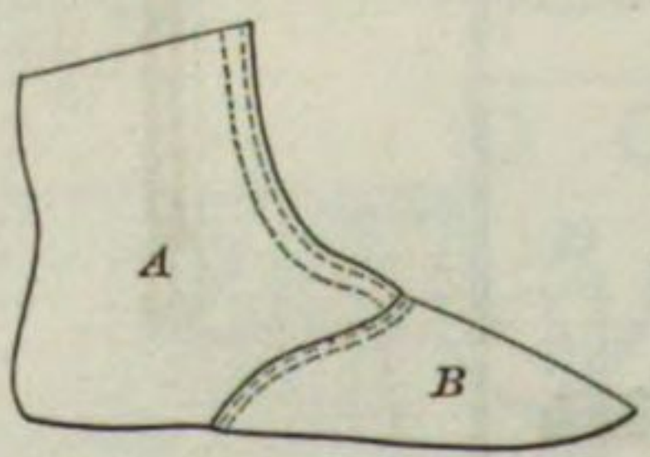
52730—J. S. McMillin—*Working Capstan by Steam.*



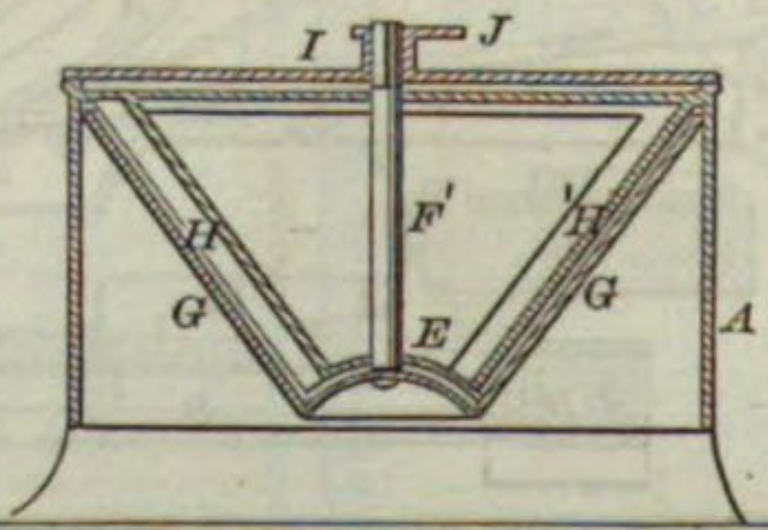
52731—J. McQuead—*Wagon Brake.*



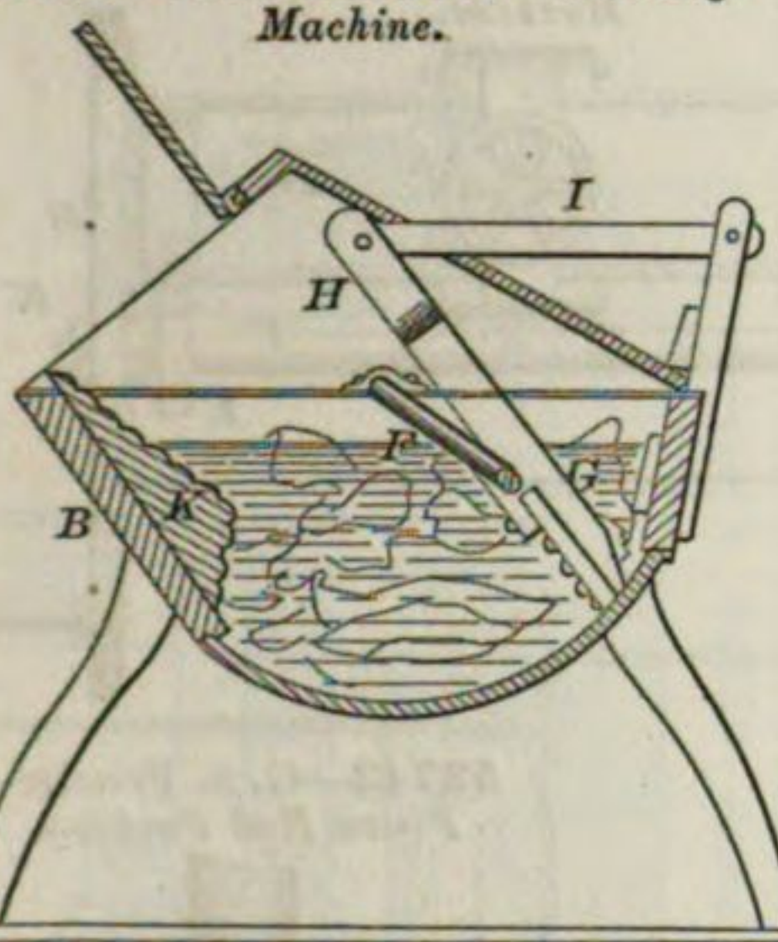
52732—F. Merkle—*Shoe.*



52729—W. C. McGill—*Flour Sifter.*

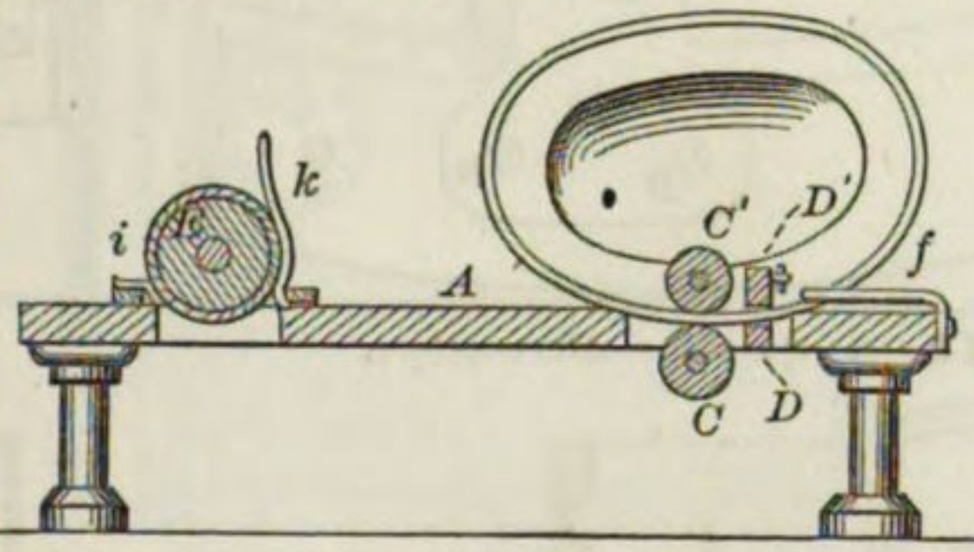


52733—J. M. Meschutt—*Washing Machine.*

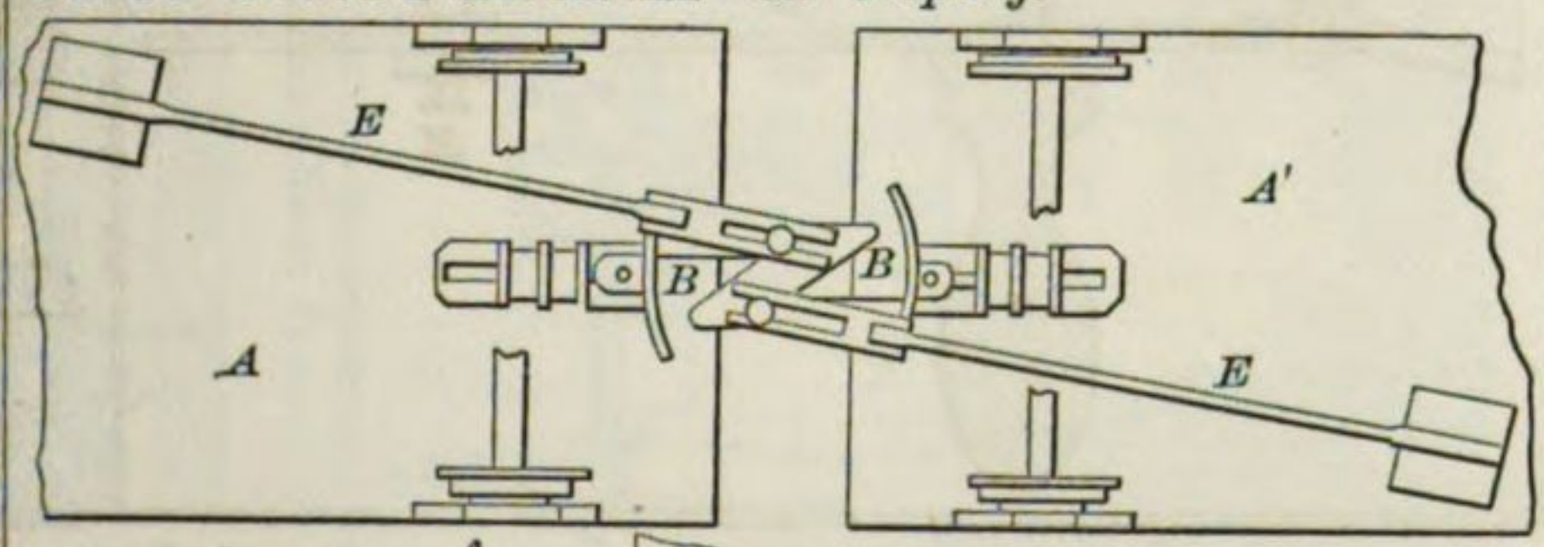


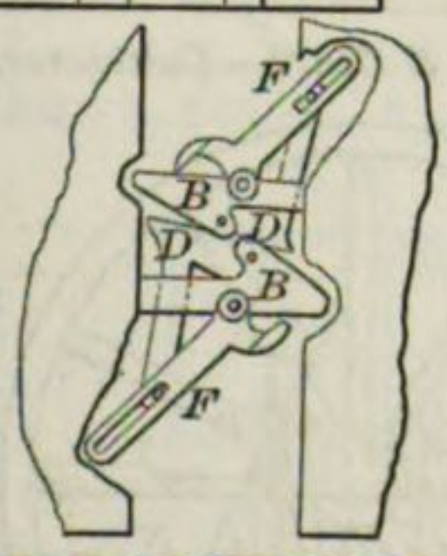
52737—I. Newhall—*Inner Sole.*

52739—E. Nougaret—*For Pouncing Hats.*

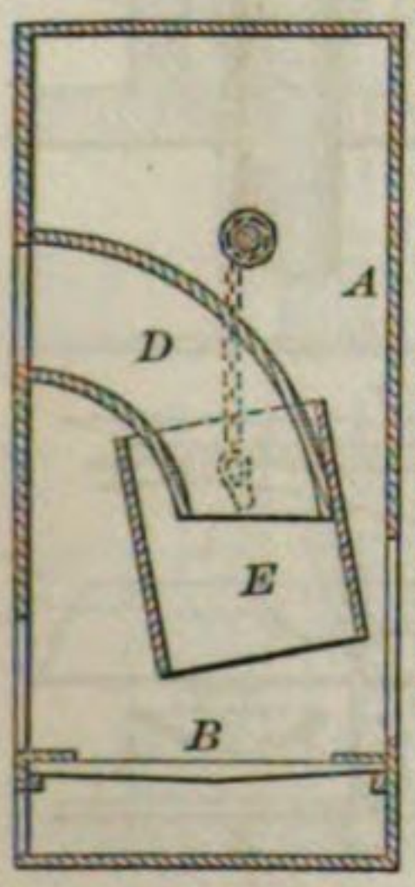


52736—Newell & Simmerman—*Car Coupling.*

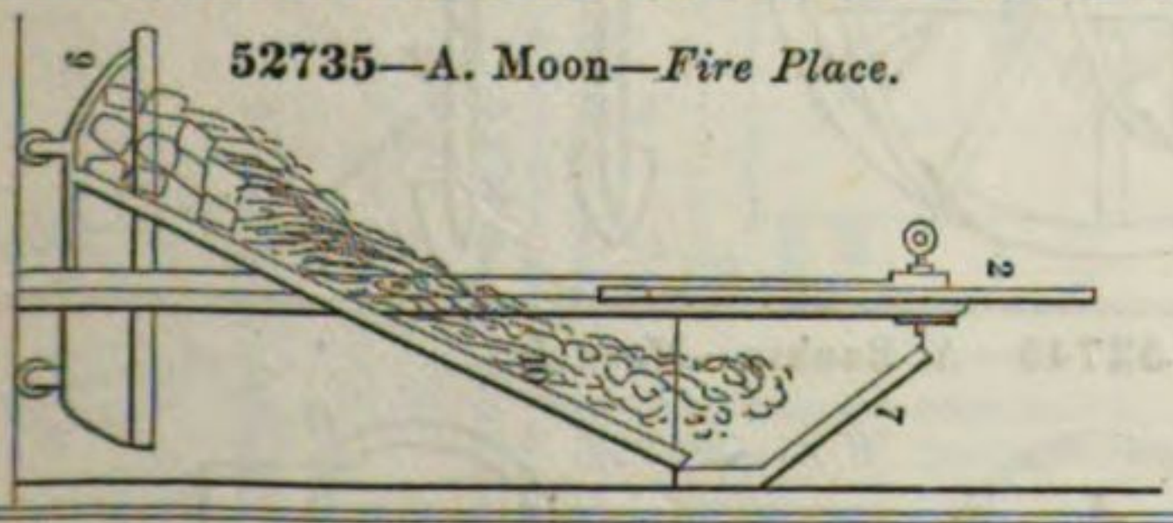




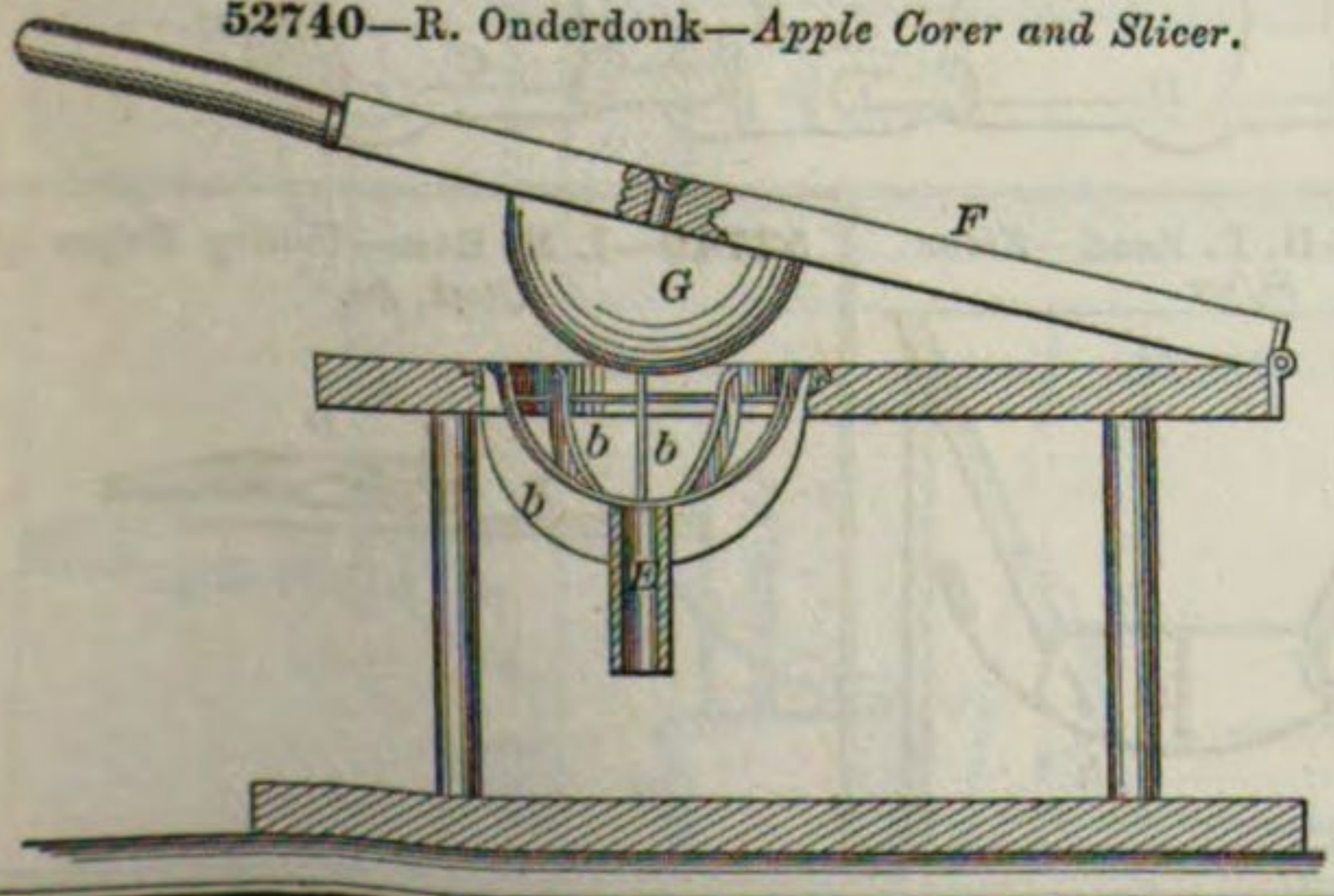
52738—S. W. Norton—*Hot Air Furnace.*



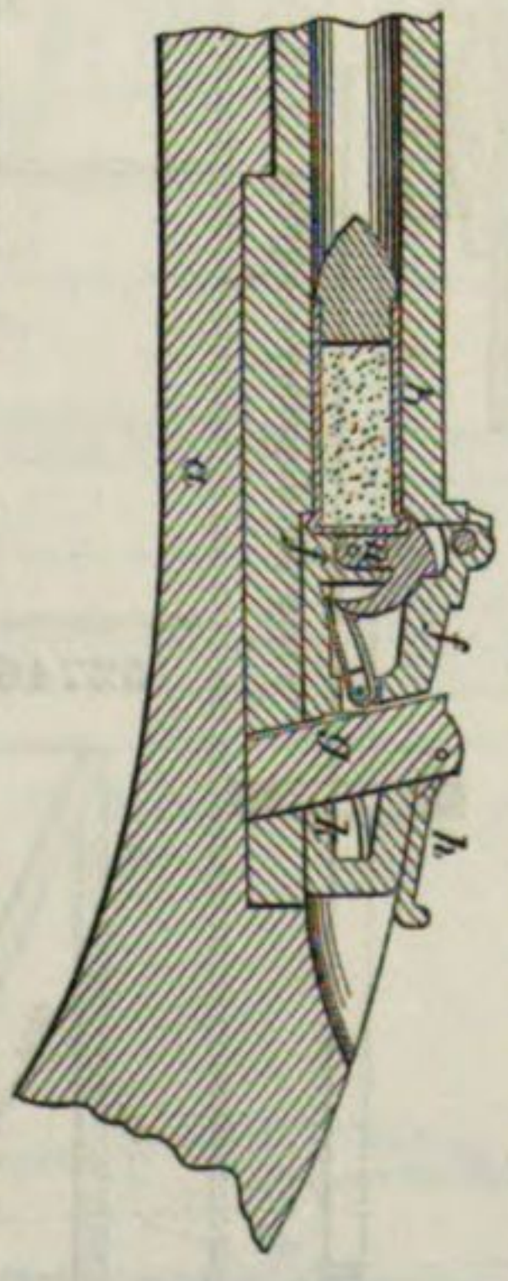
52735—A. Moon—*Fire Place.*



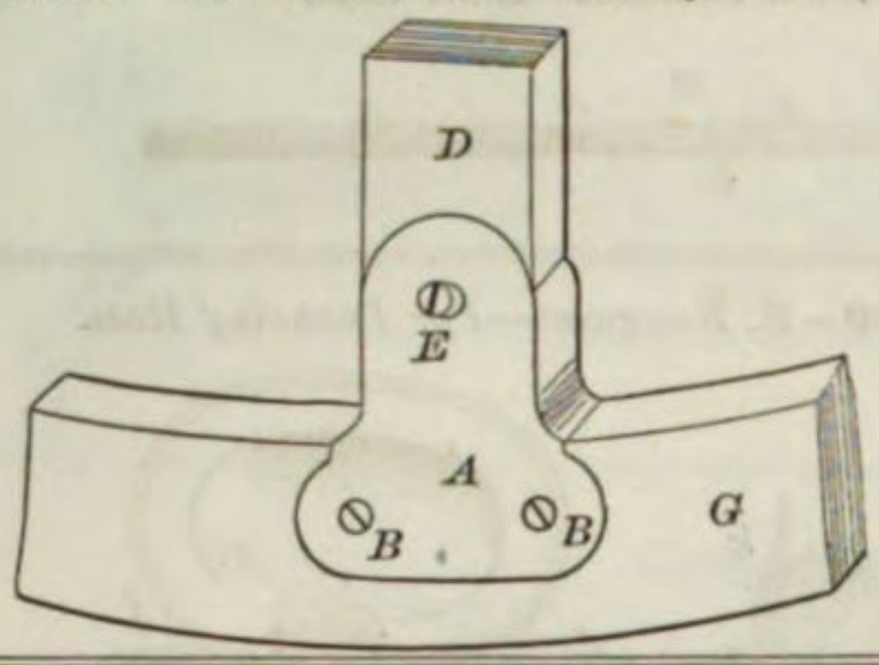
52740—R. Onderdonk—*Apple Corer and Slicer.*



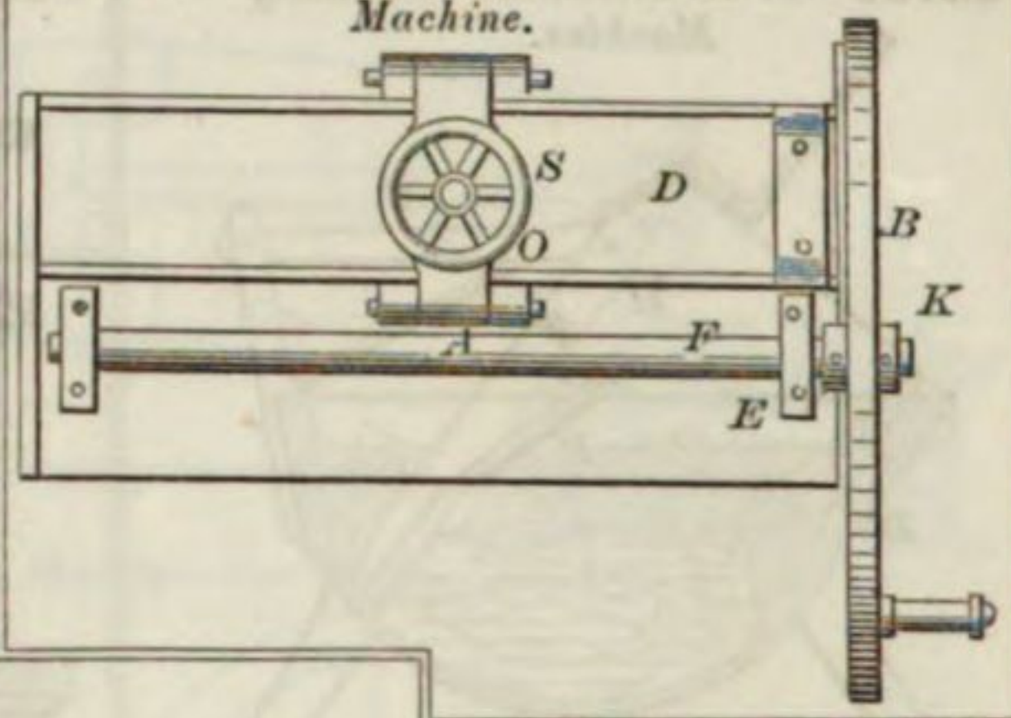
52734—I. M. Milbank—*Breech-Loading Fire Arm.*



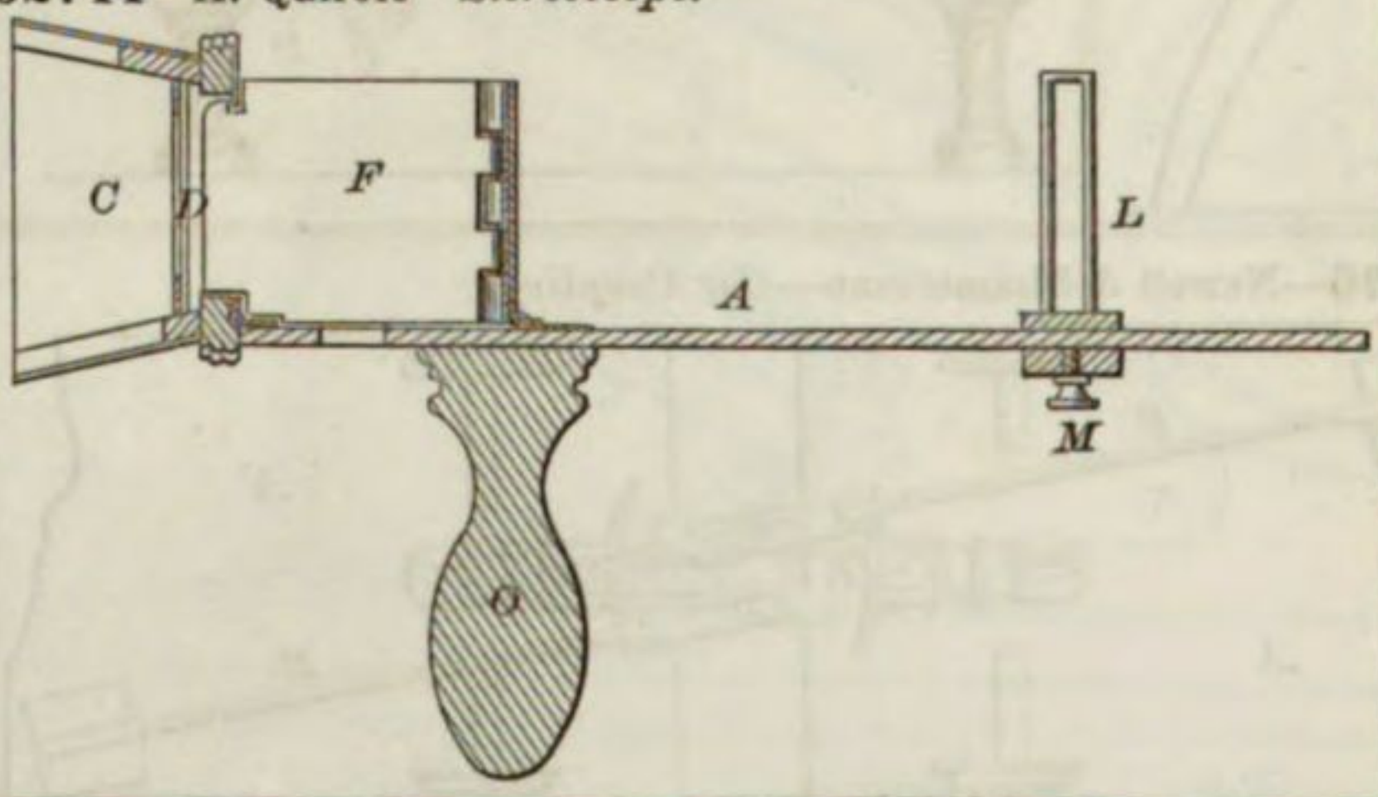
52741—W. Pinkerman—*Rocker for Chairs.*



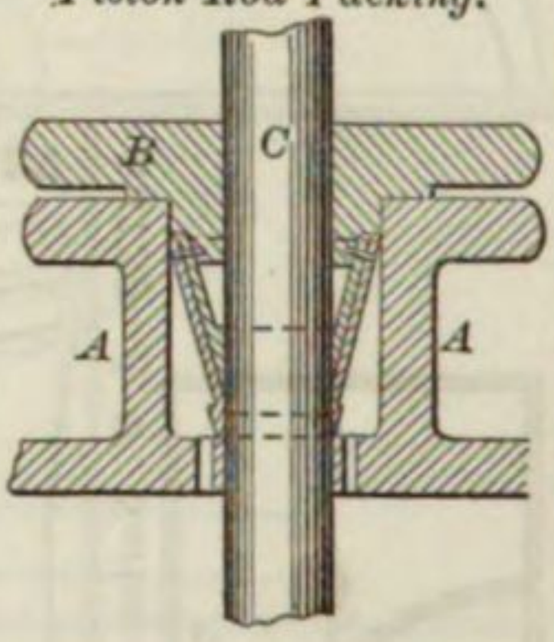
52747—F. W. Ritterhoff—*Tobacco Cutting Machine.*



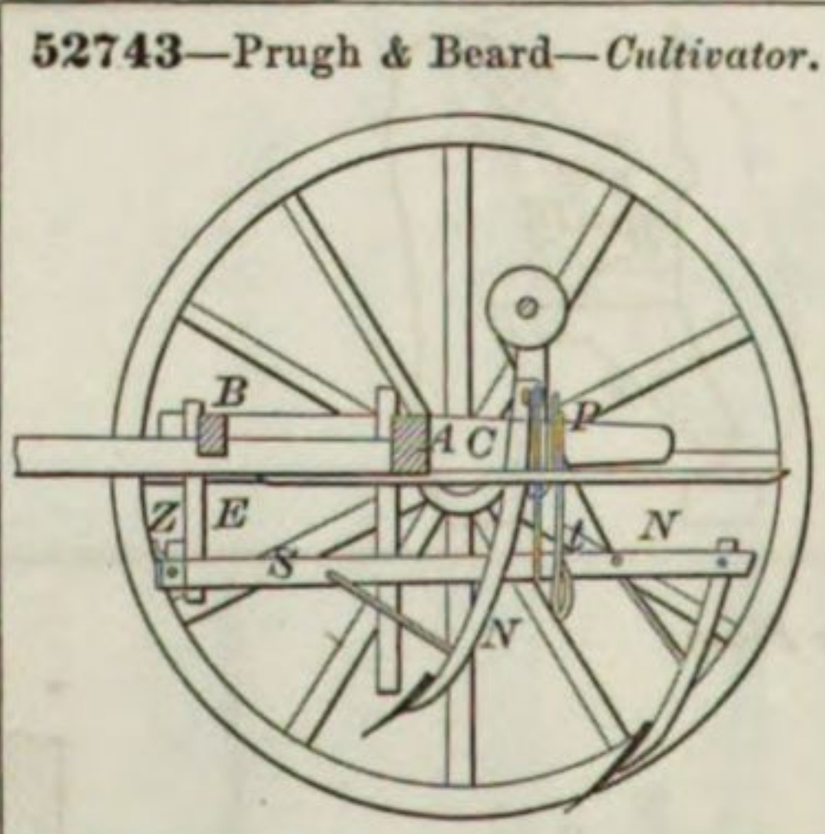
52744—A. Quirolo—*Stereoscope.*

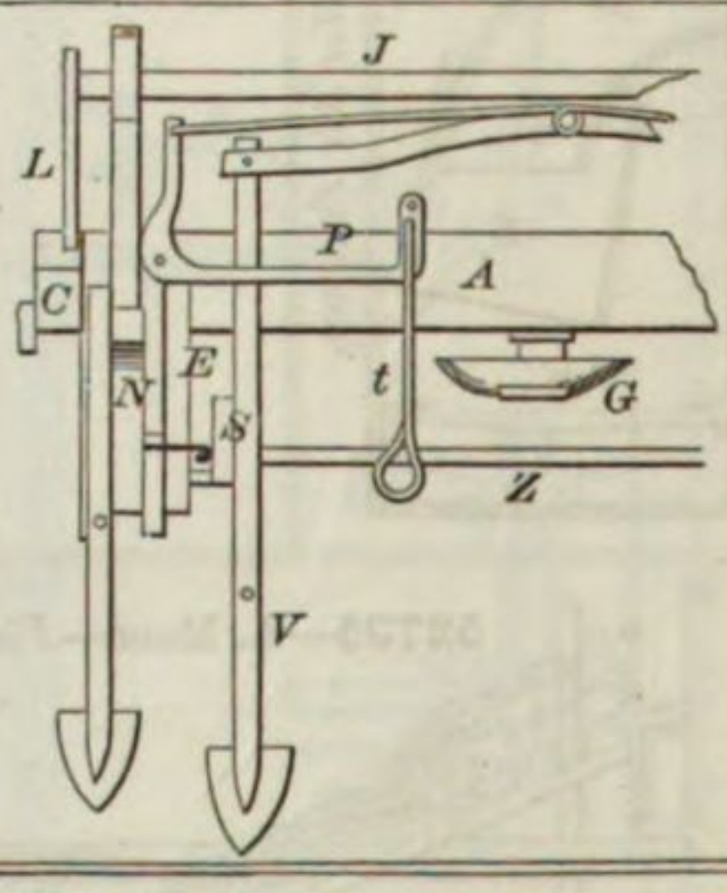


52742—G. S. Prindle—*Piston Rod Packing.*

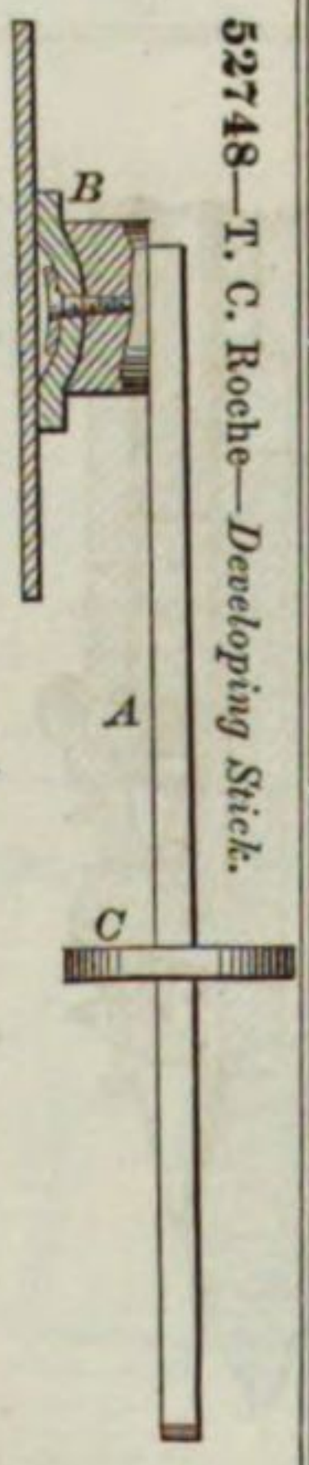


52743—Prugh & Beard—*Cultivator.*

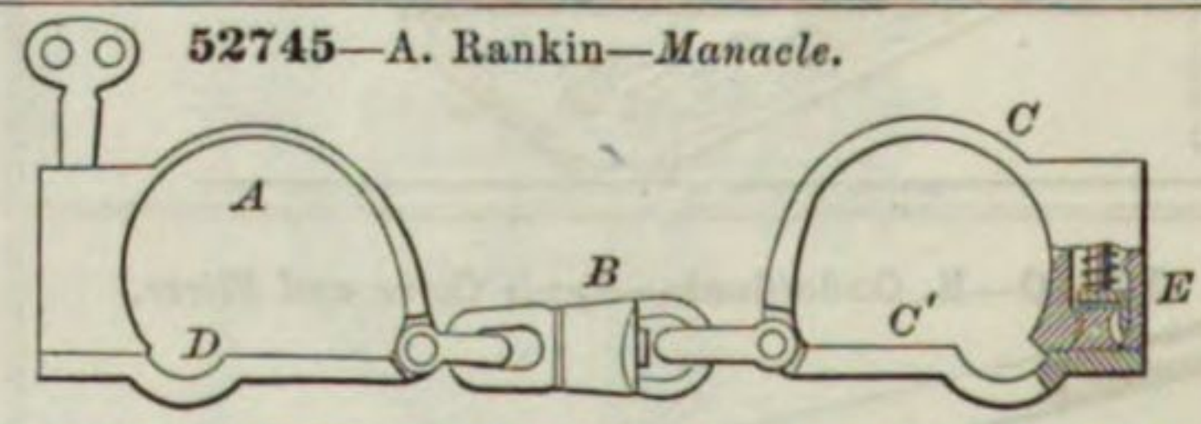




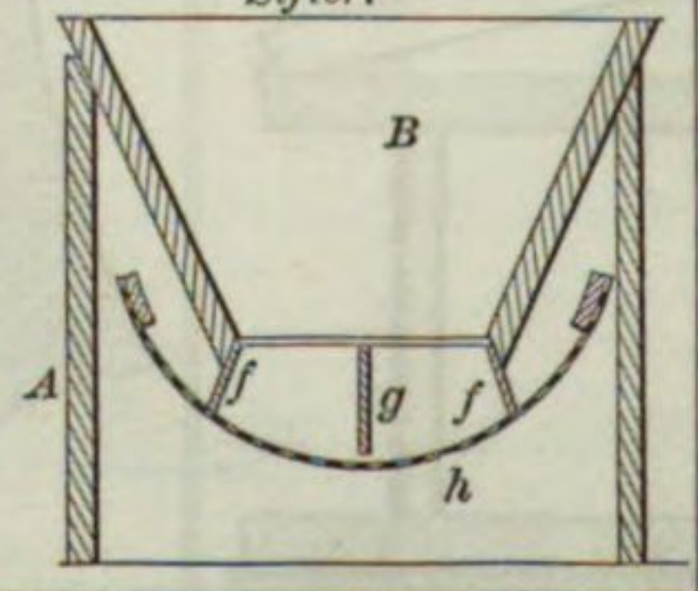
52748—T. C. Roche—*Developing Stick.*



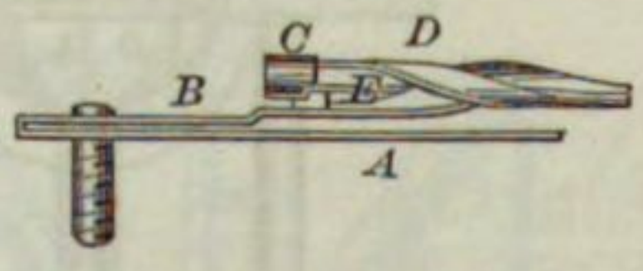
52745—A. Rankin—*Manacle.*



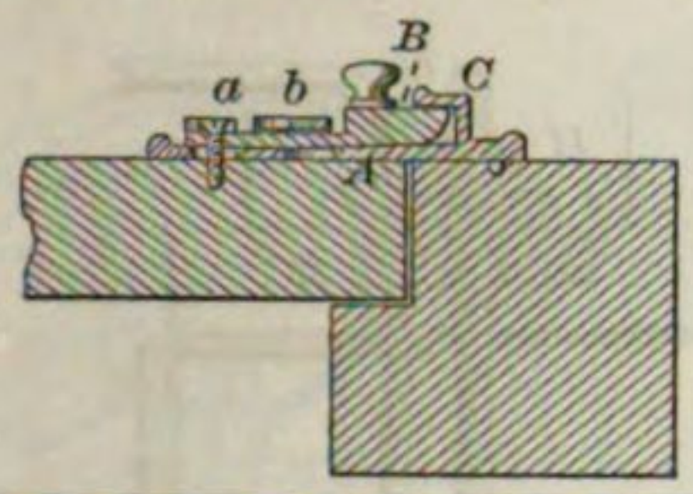
52746—H. F. Read—*Flour Sifter.*



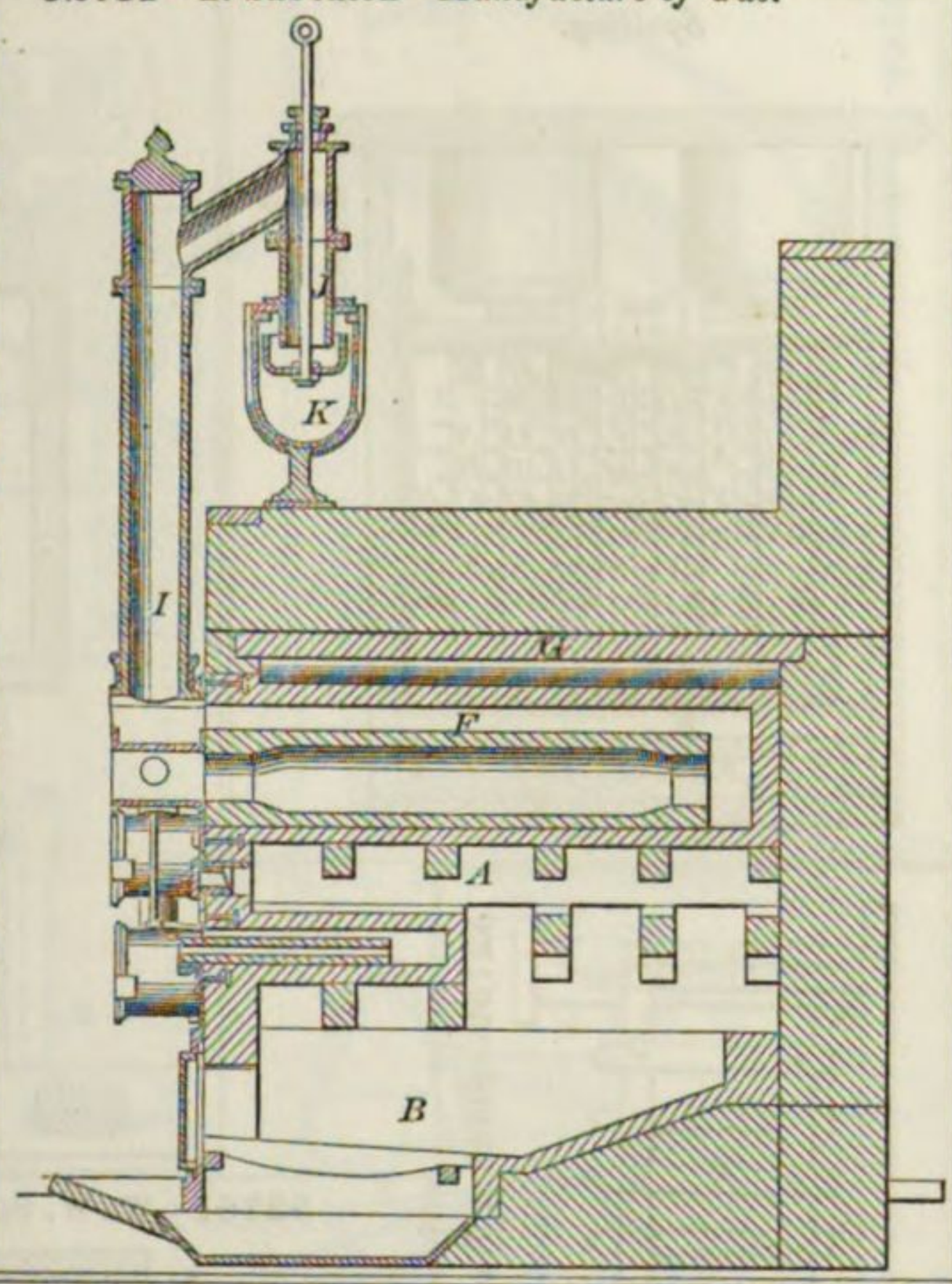
52749—I. M. Rose—*Uniting Edges of Cloth, &c.*



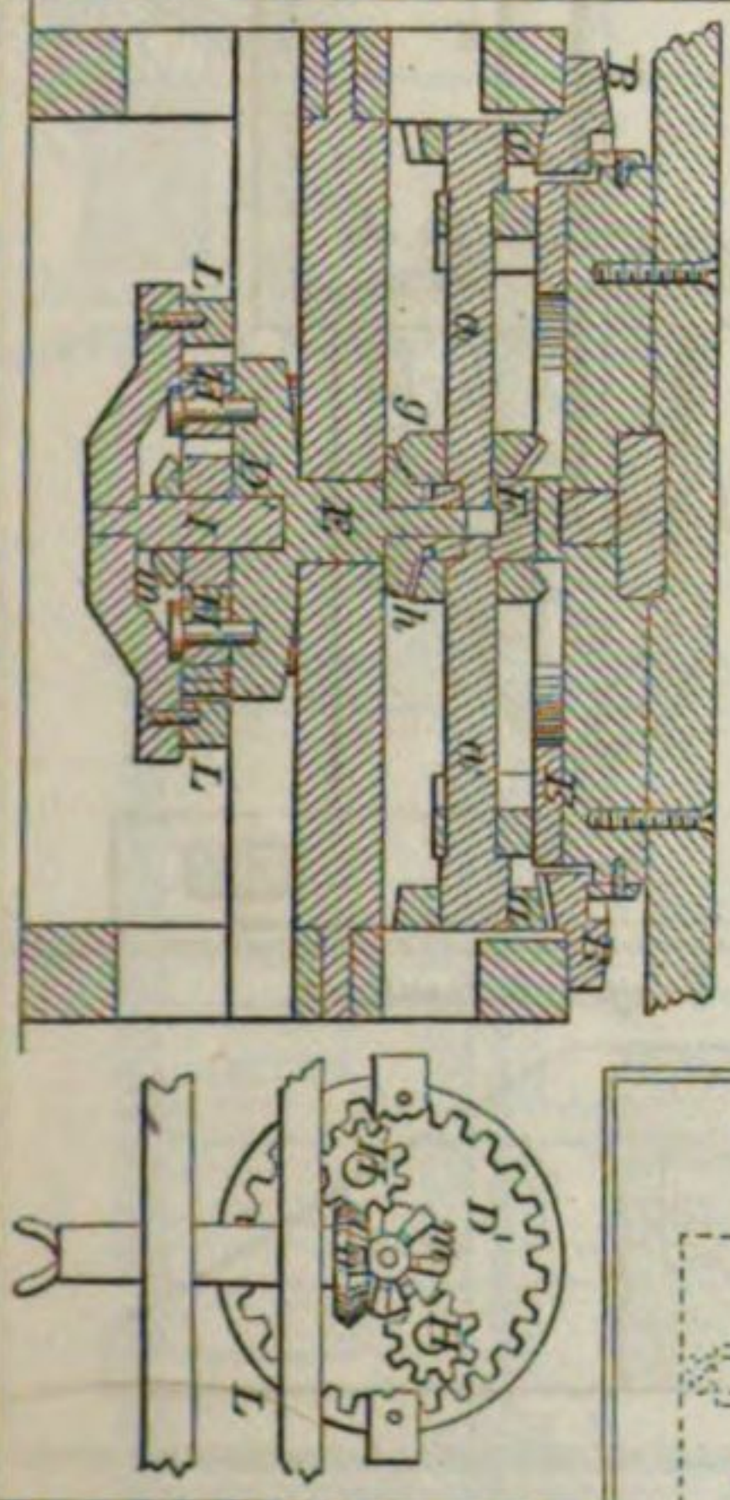
52750—A. H. Rowe—*Door Latch.*



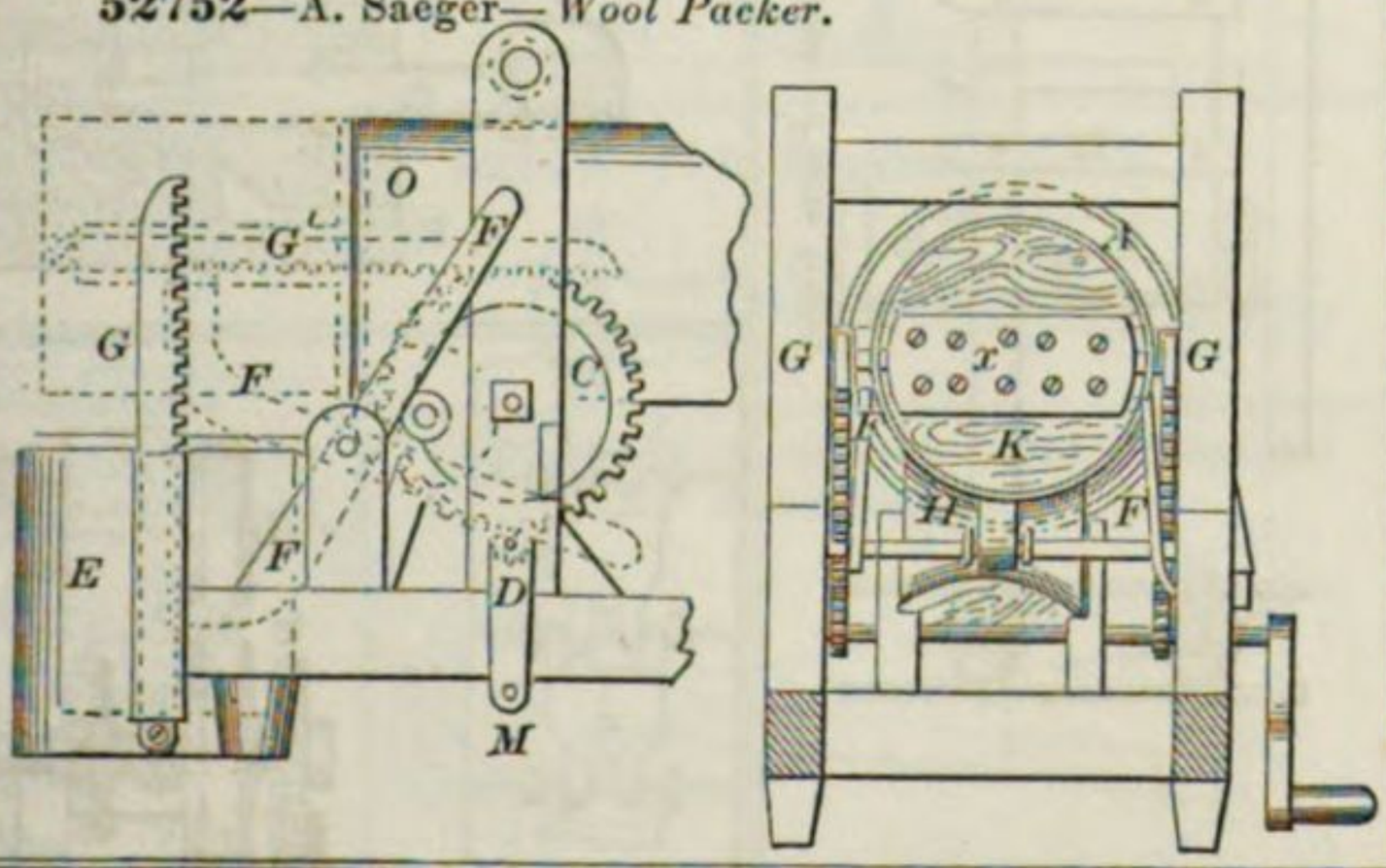
52751—T. Sabbaton—*Manufacture of Gas.*



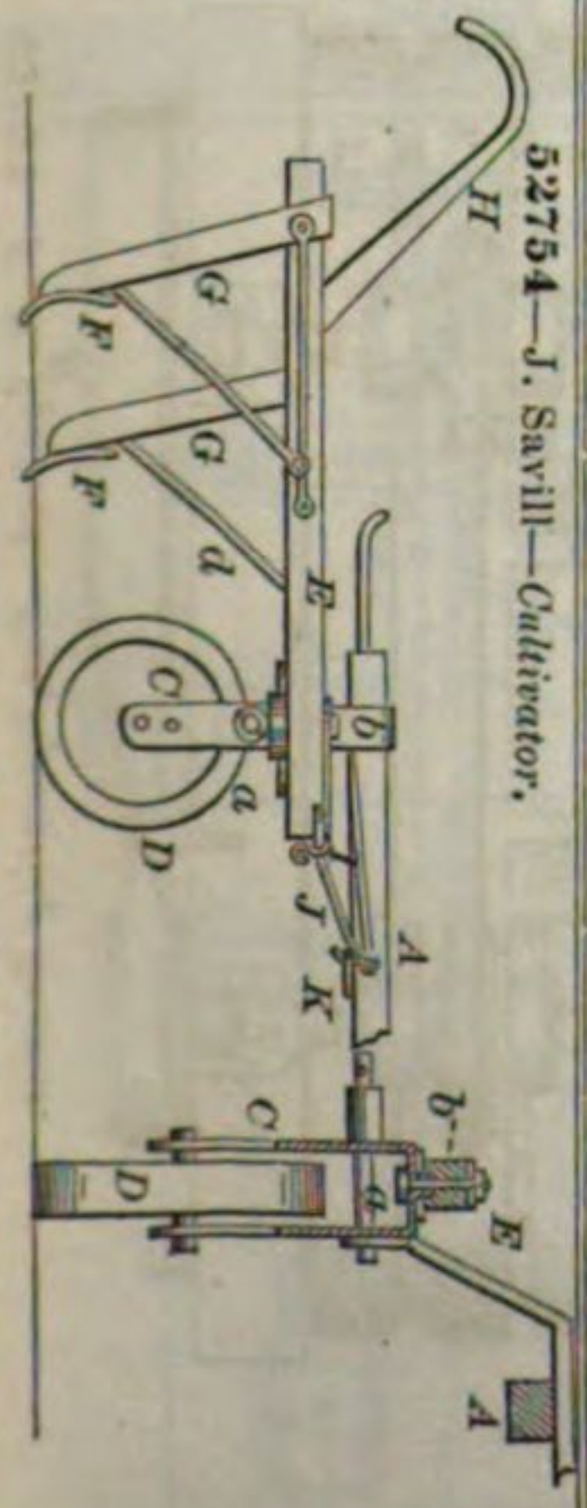
52753—Sanor & Stoffer—*Horse Power.*



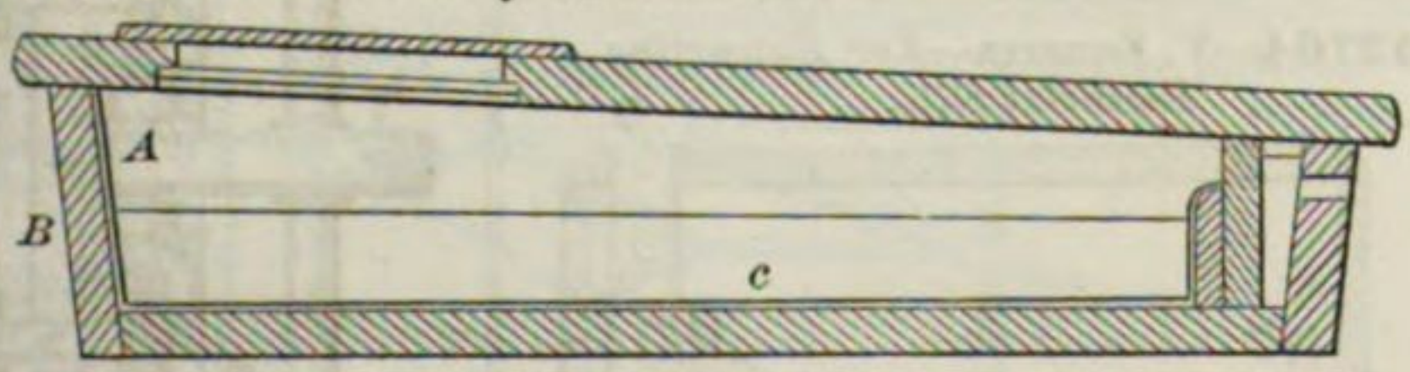
52752—A. Saeger—*Wool Packer.*



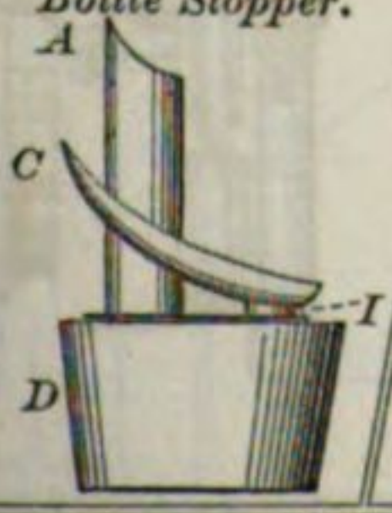
52754—J. Savill—*Cultivator.*



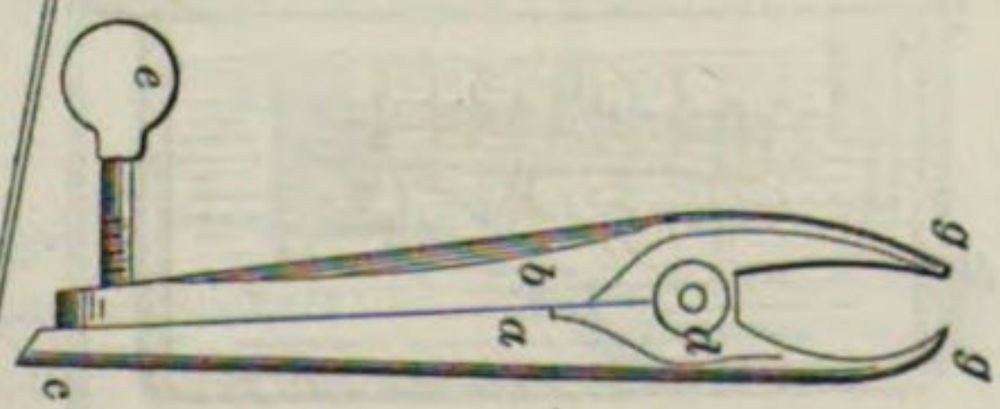
52756—G. W. Scollay—*Burial Case.*



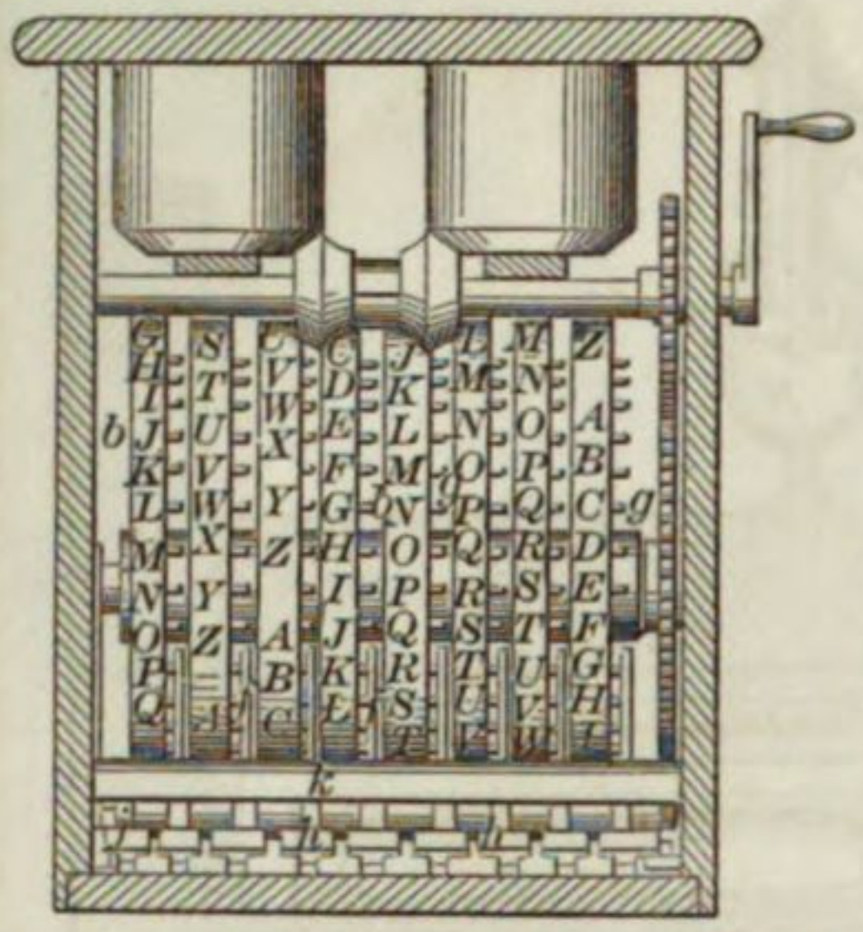
52755—A. Scarlett—*Bottle Stopper.*



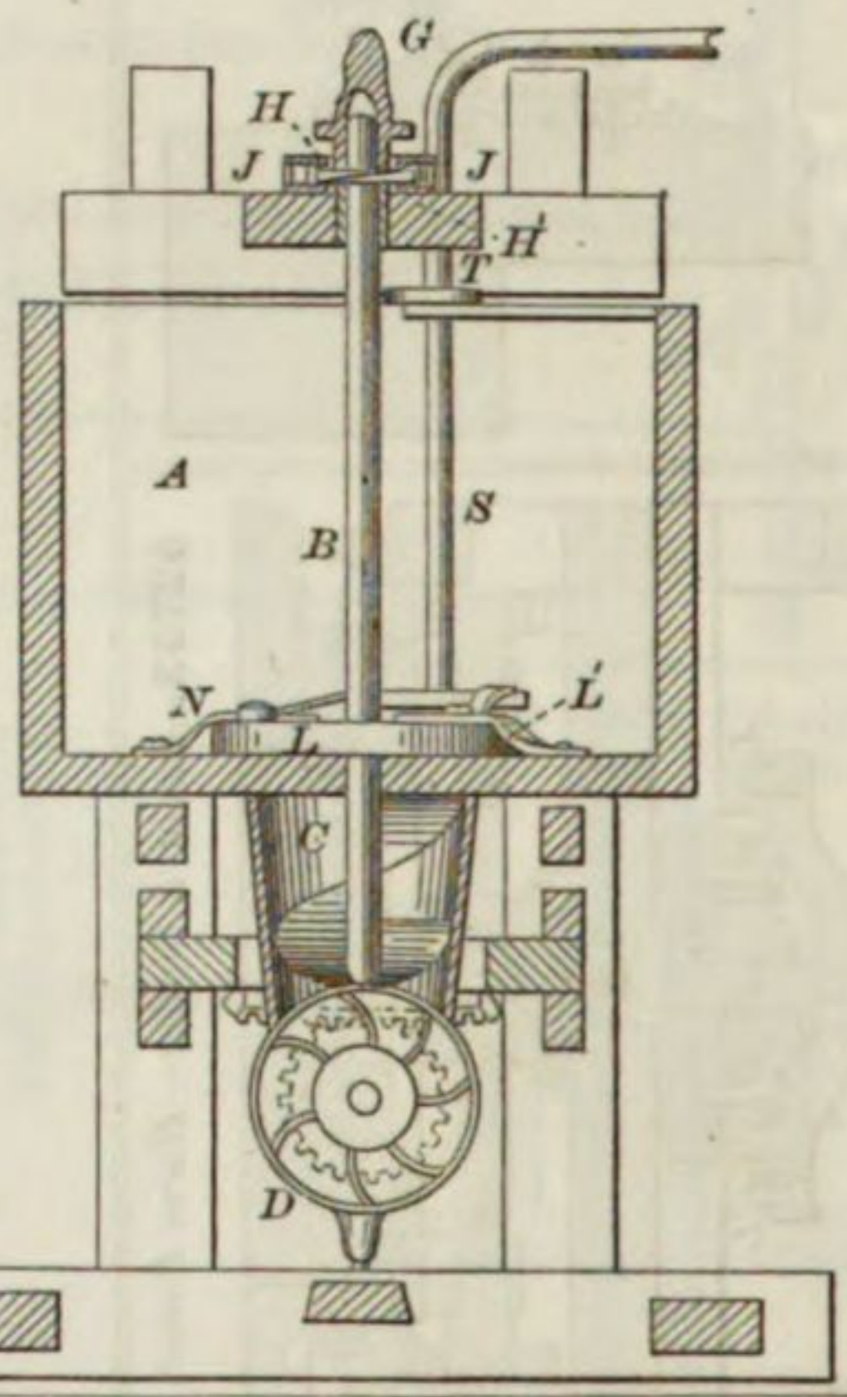
52757—W. H. Seymour—*Clamp for Stages.*



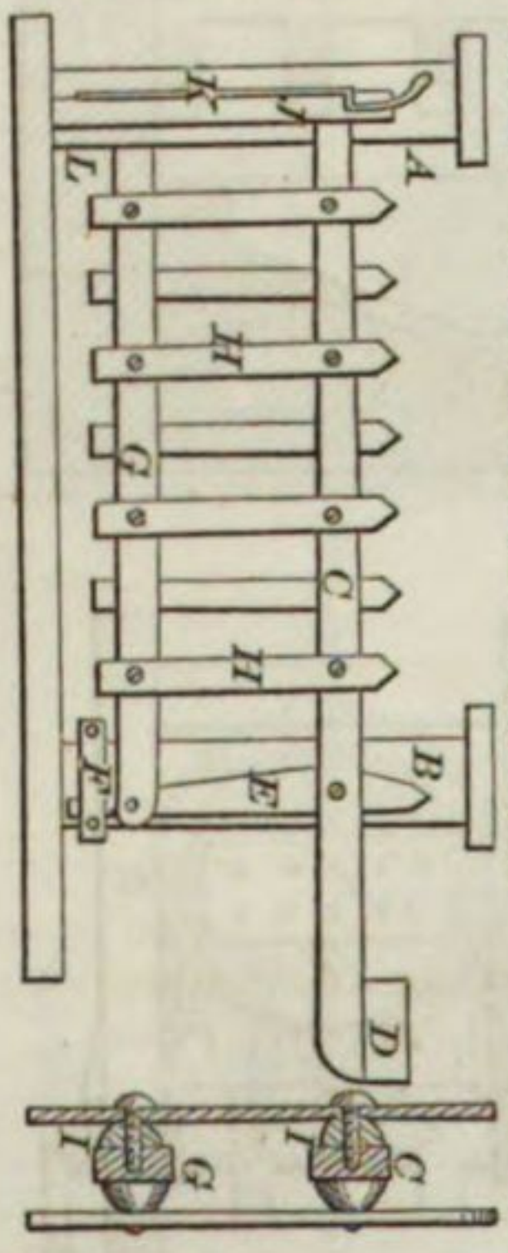
52758—H. Skinner—*For Teaching Spelling.*



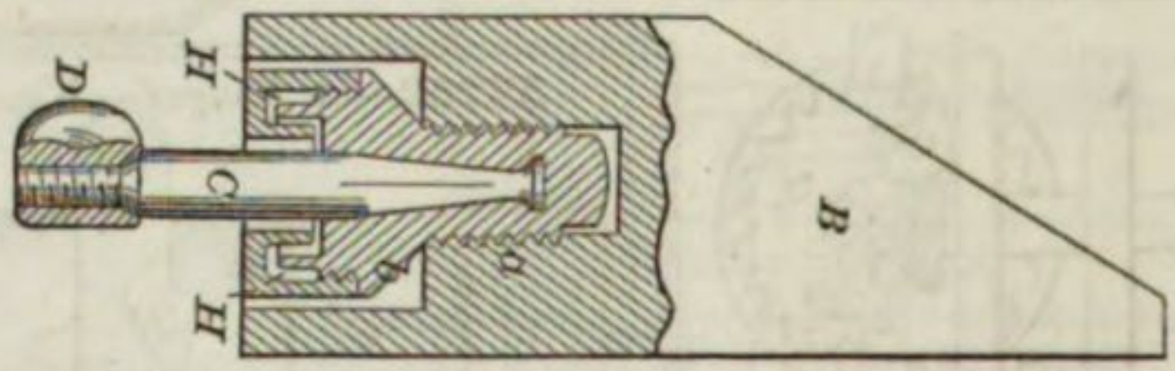
52762—H. Soggs—*Water Wheel.*

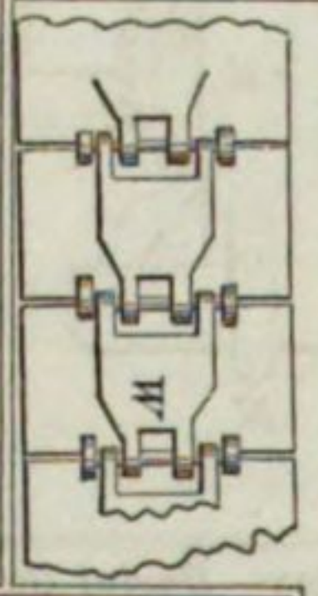


52759—Smith & Hudson—*Farm Gate.*

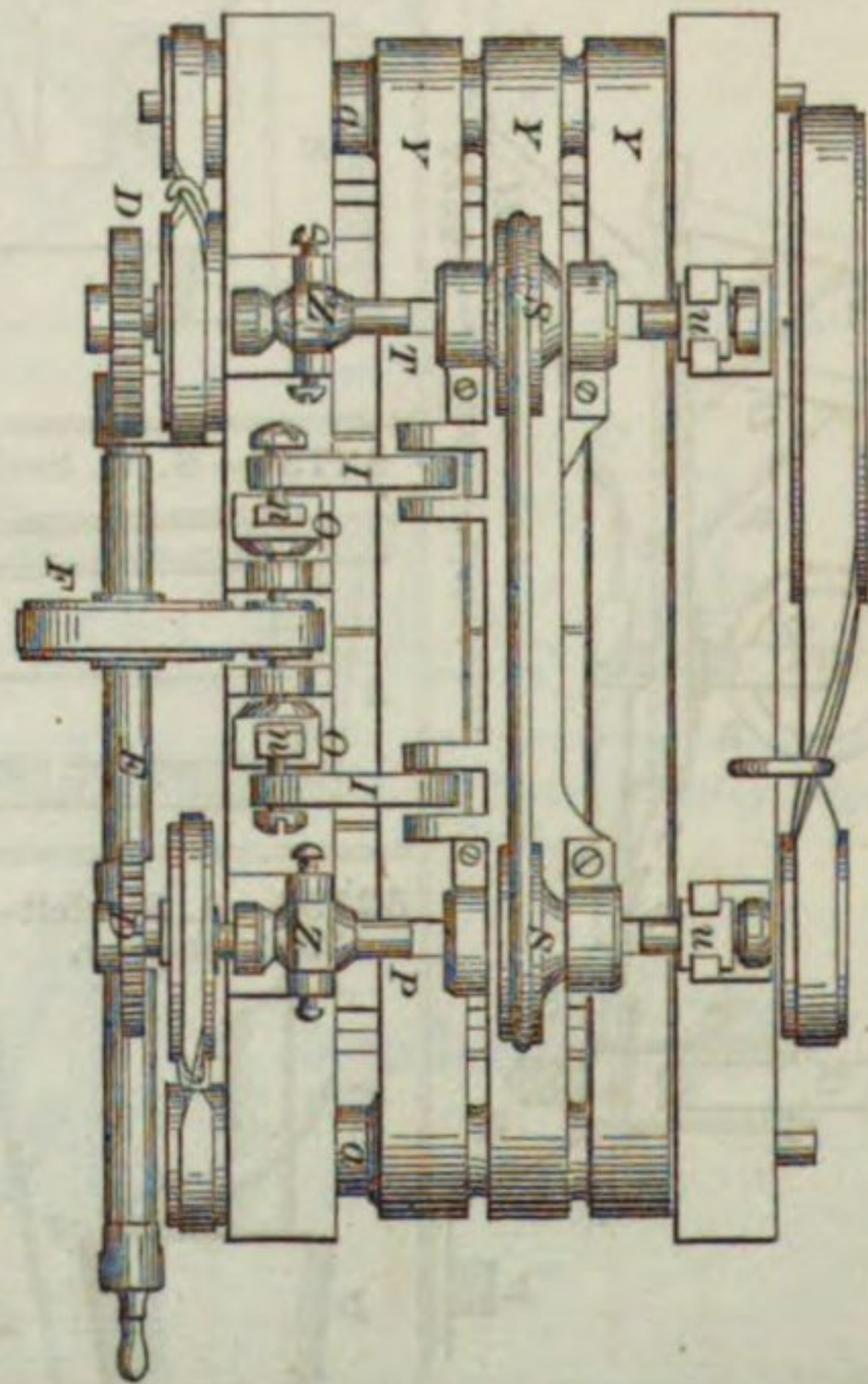


52761—W. W. Smith—*Telegraph Insulator.*

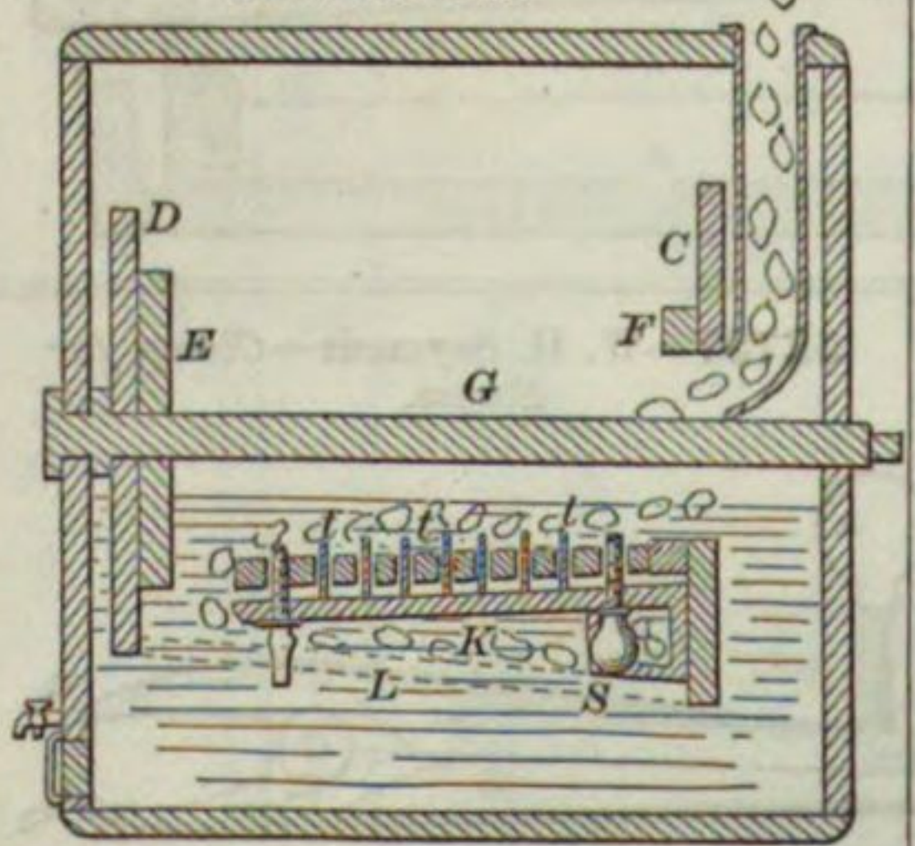




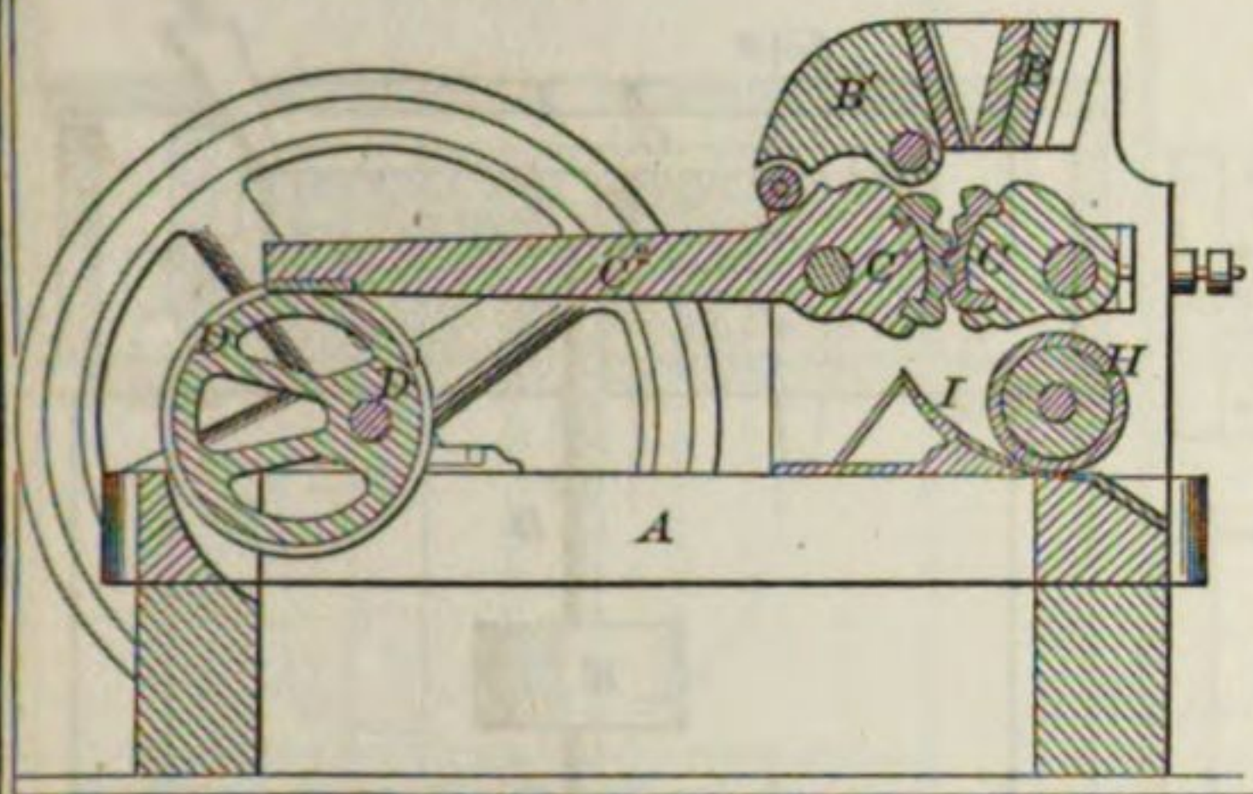
52763—N. H. Spafford—*For Separating Bristles.*



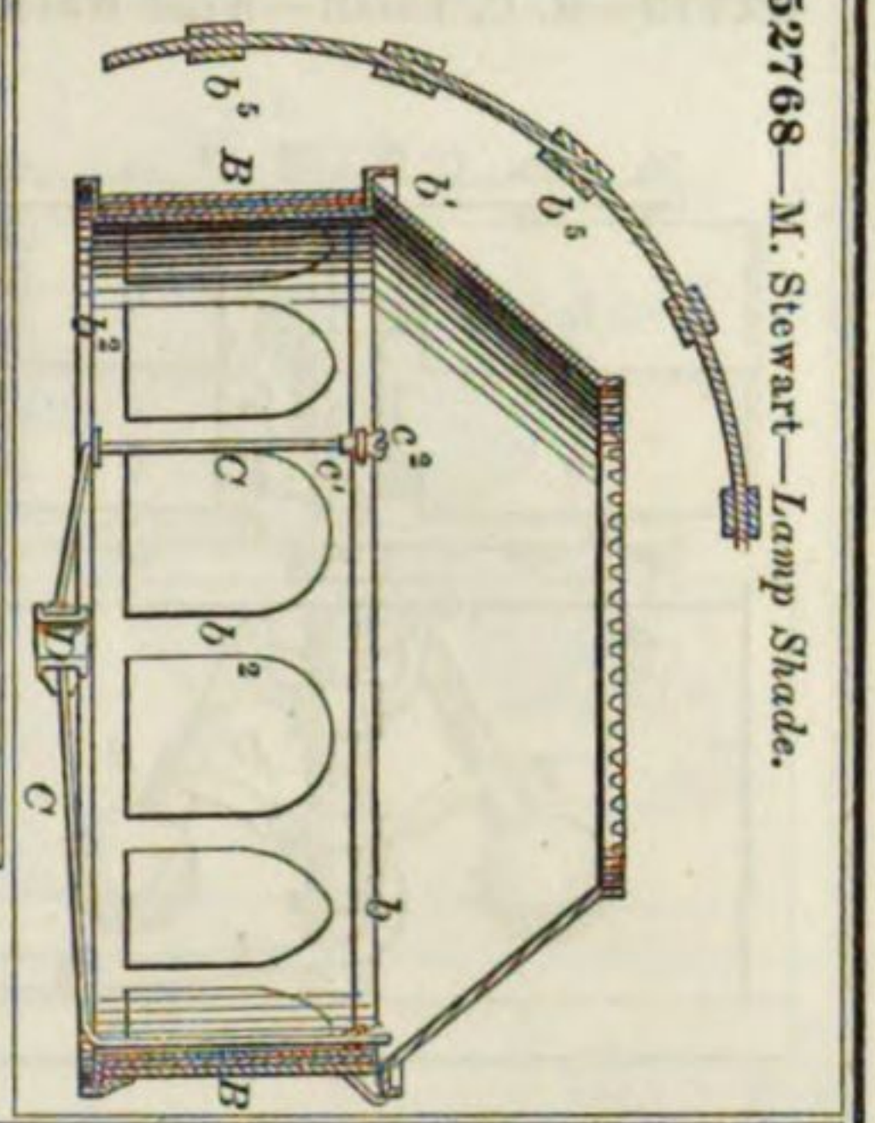
52764—V. Squarza—*For Extracting Essential Oils.*



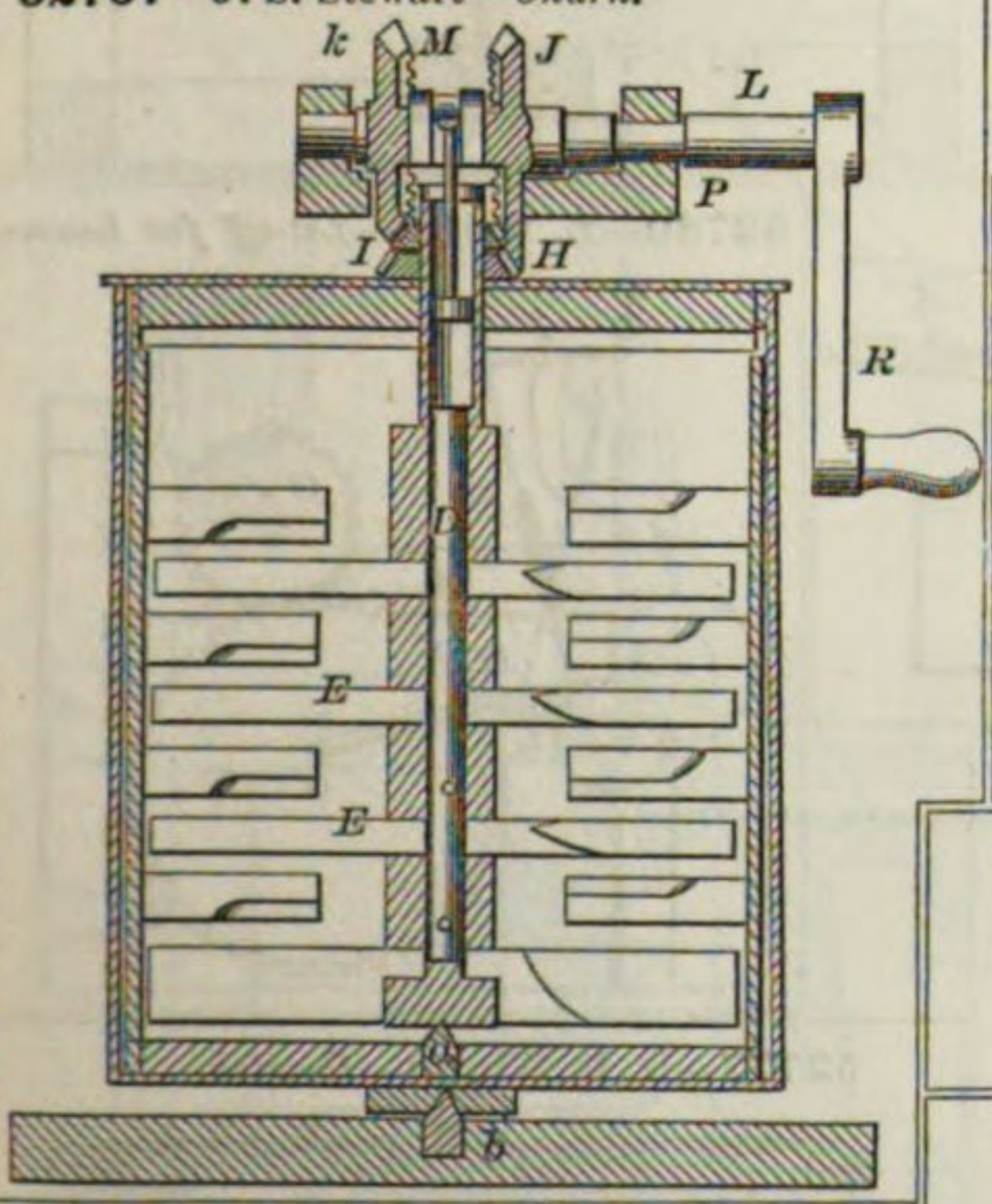
52765—C. W. Stafford—*Quartz Crusher.*



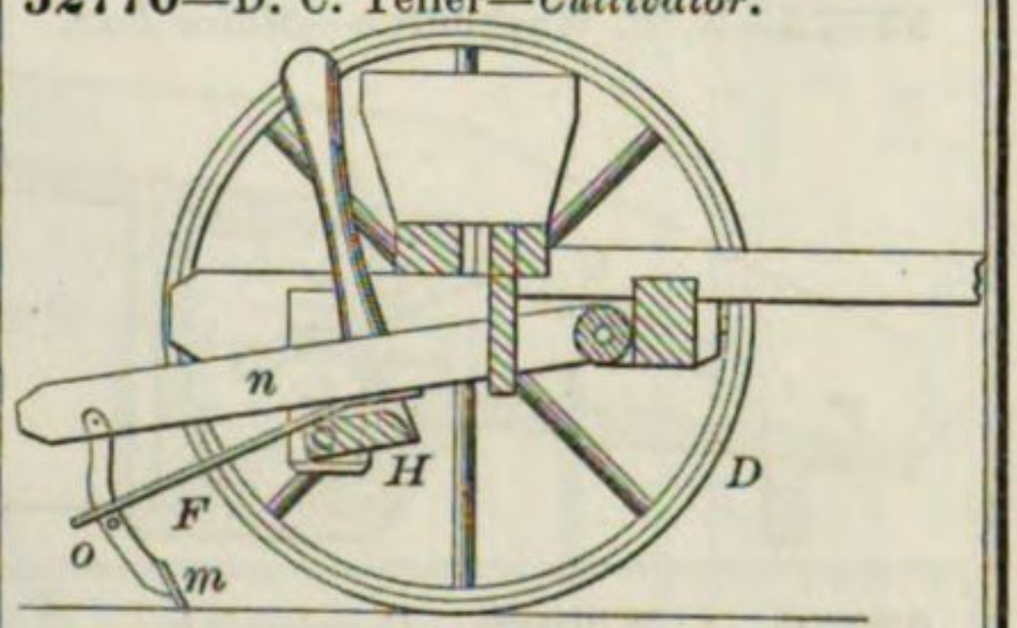
52768—M. Stewart—*Lamp Shade.*



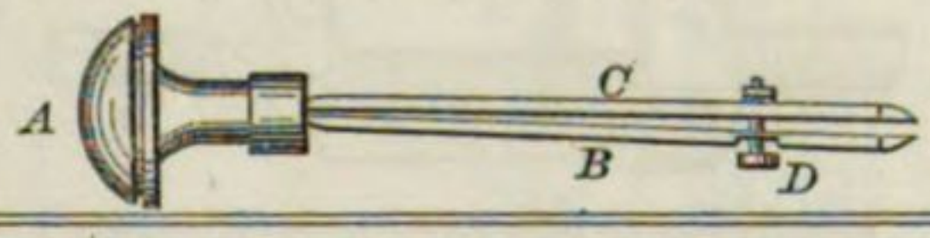
52767—J. S. Stewart—*Churn.*



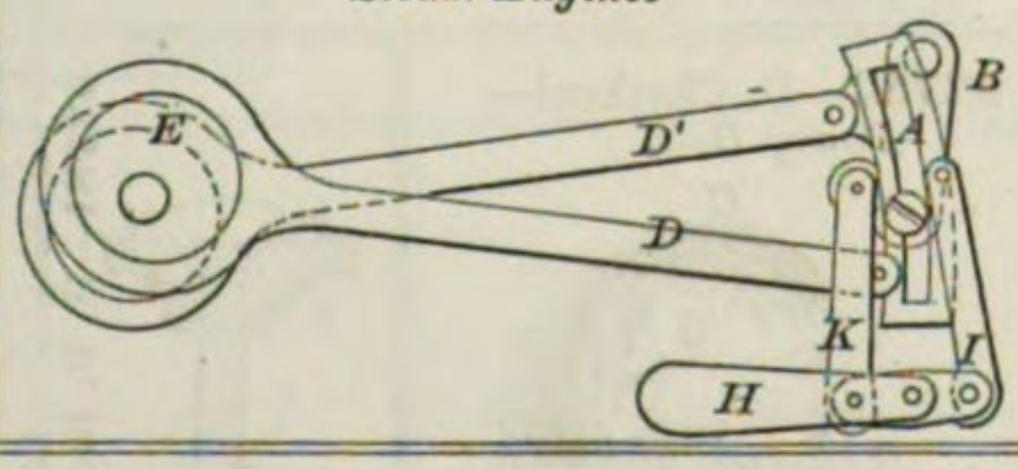
52770—D. C. Teller—*Cultivator.*



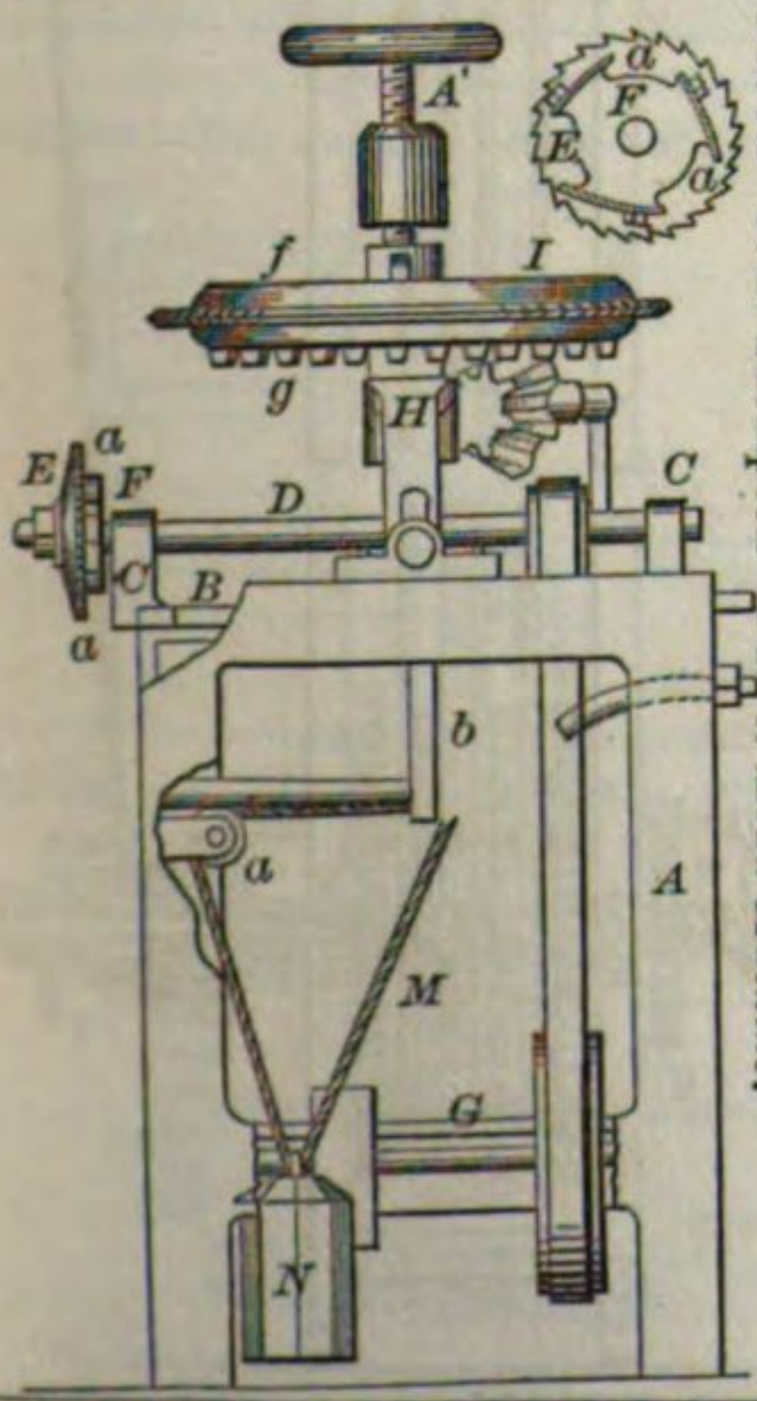
52769—F. R. Stockton—*Graver.*



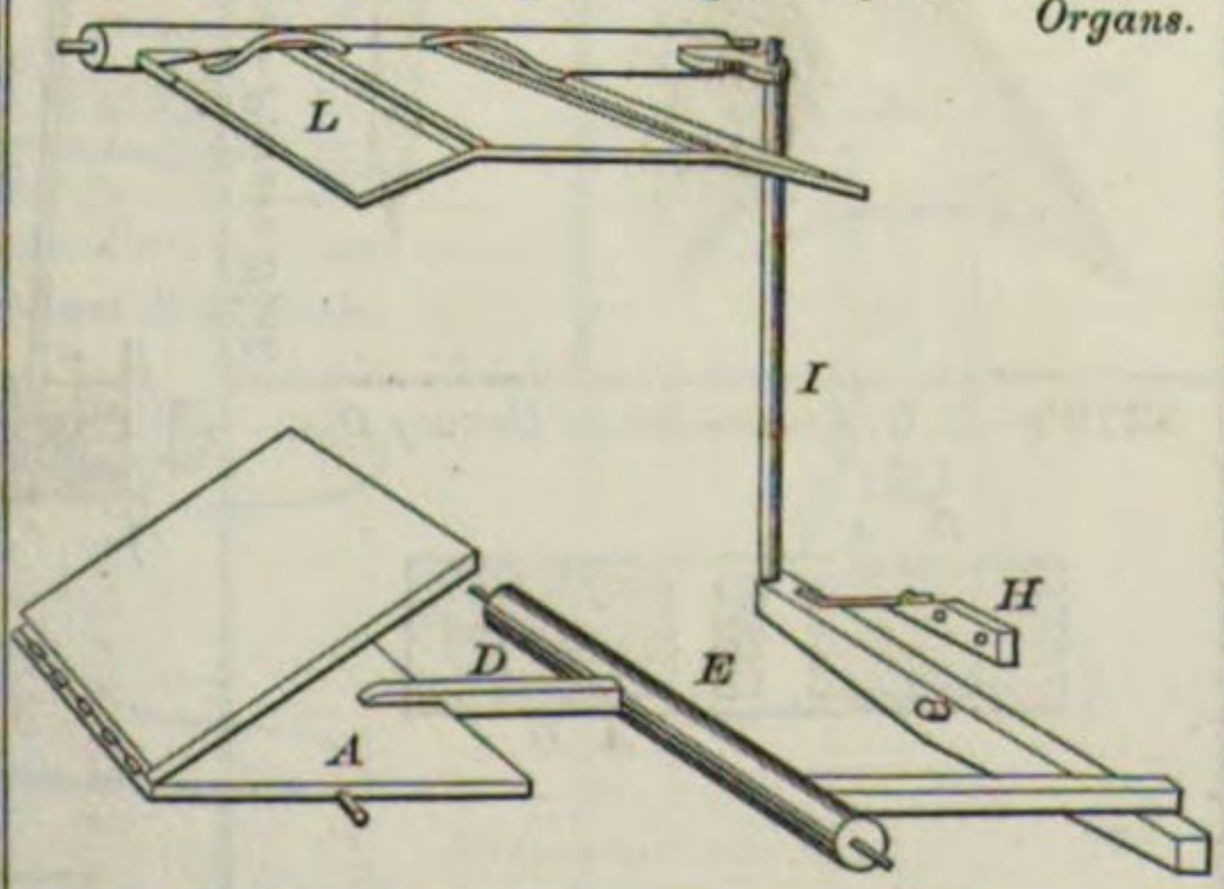
52766—N. P. Stevens—*Link Motion for Steam Engines*



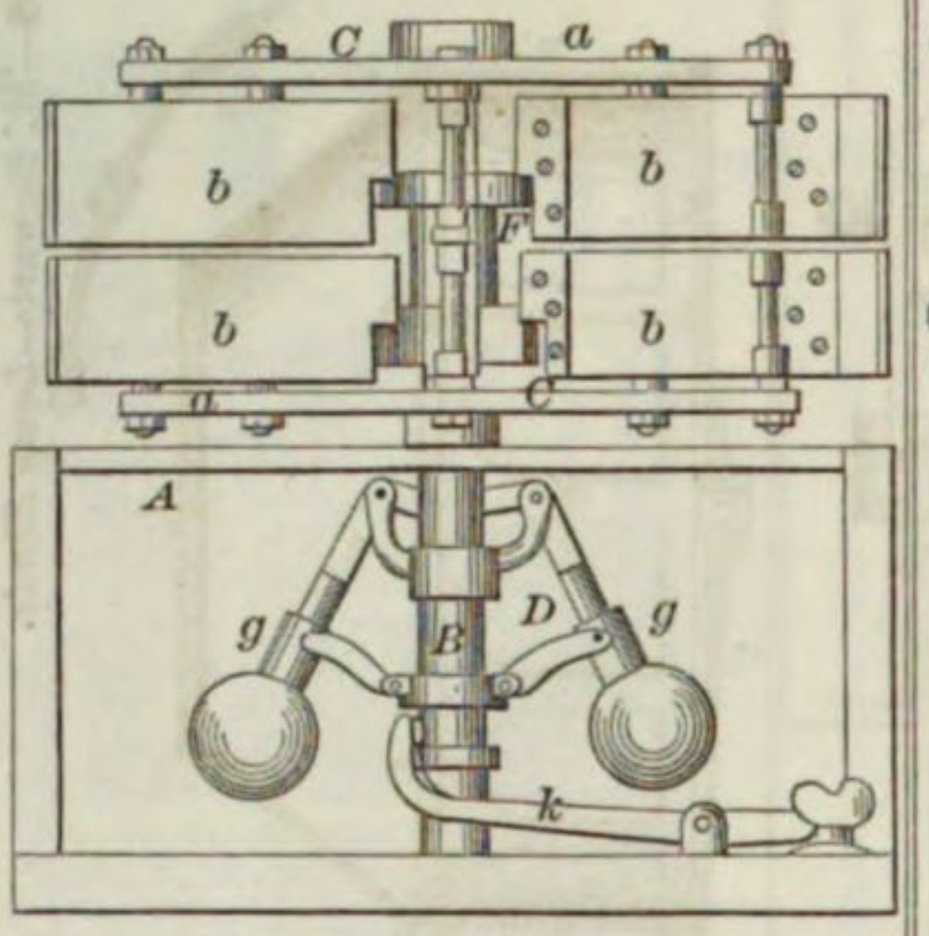
52772—J. S. Thompson—*Barrel Head Machine.*



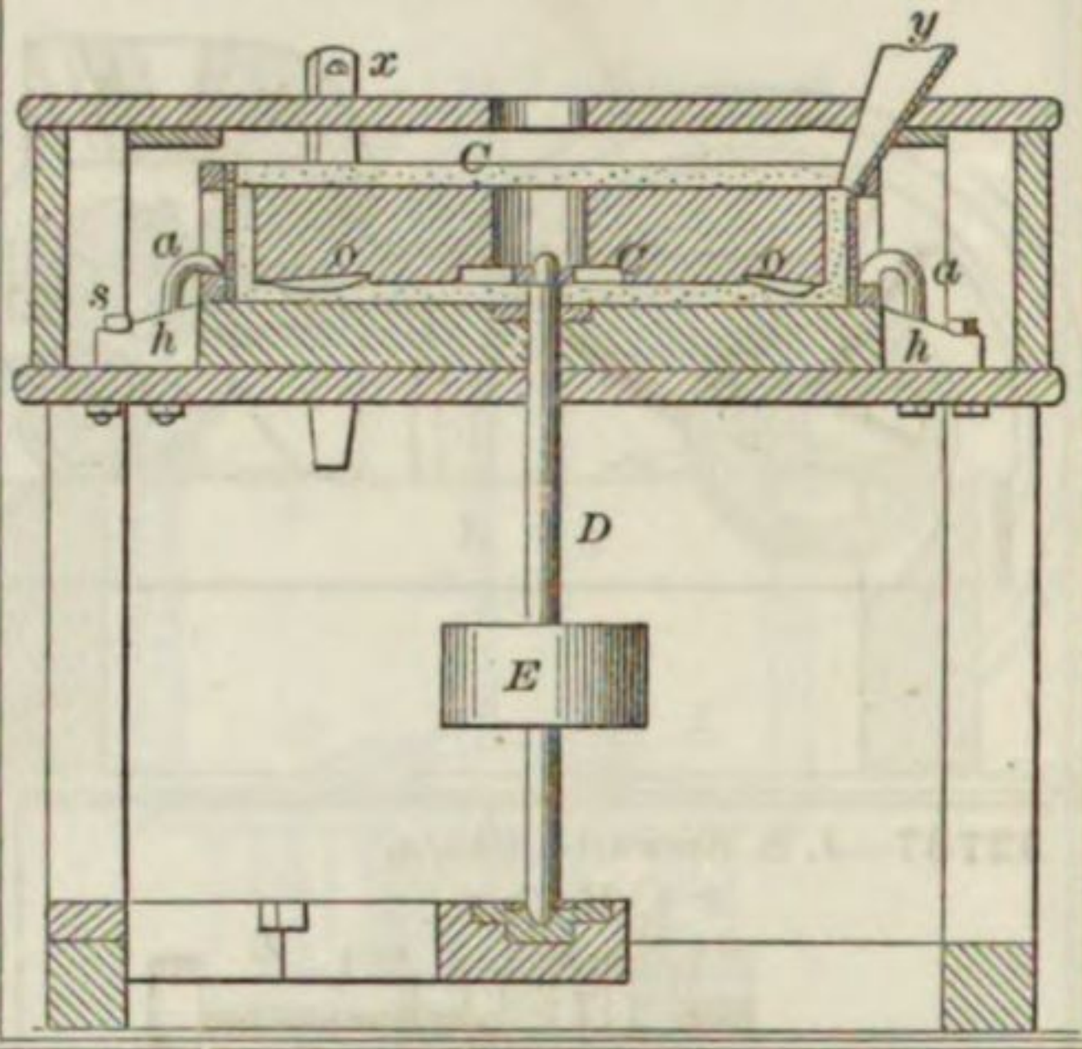
52771—A. E. Thompson—*Operating the Swell of Organs.*



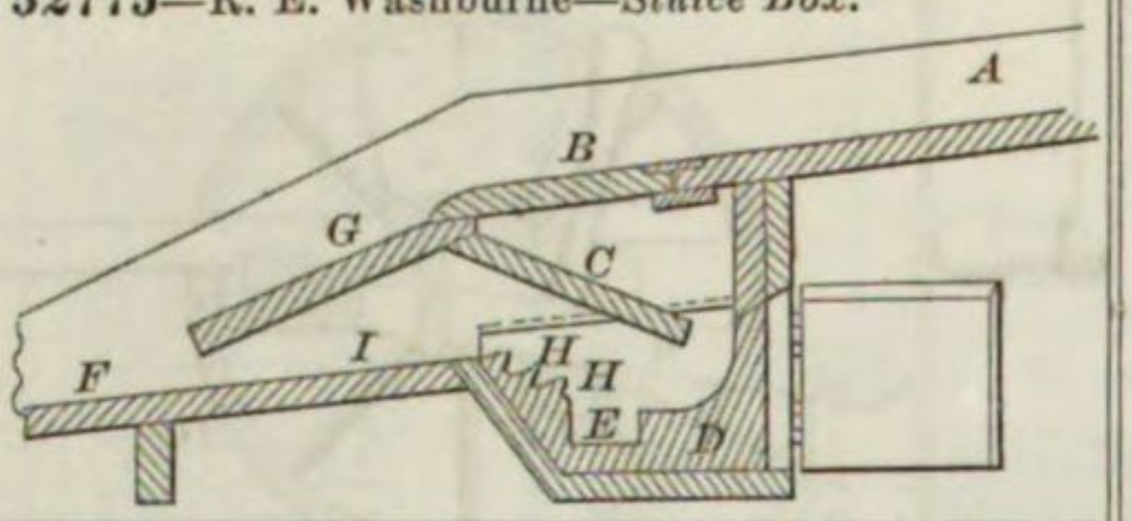
52773—H. C. Thrall—*Wind Wheel.*



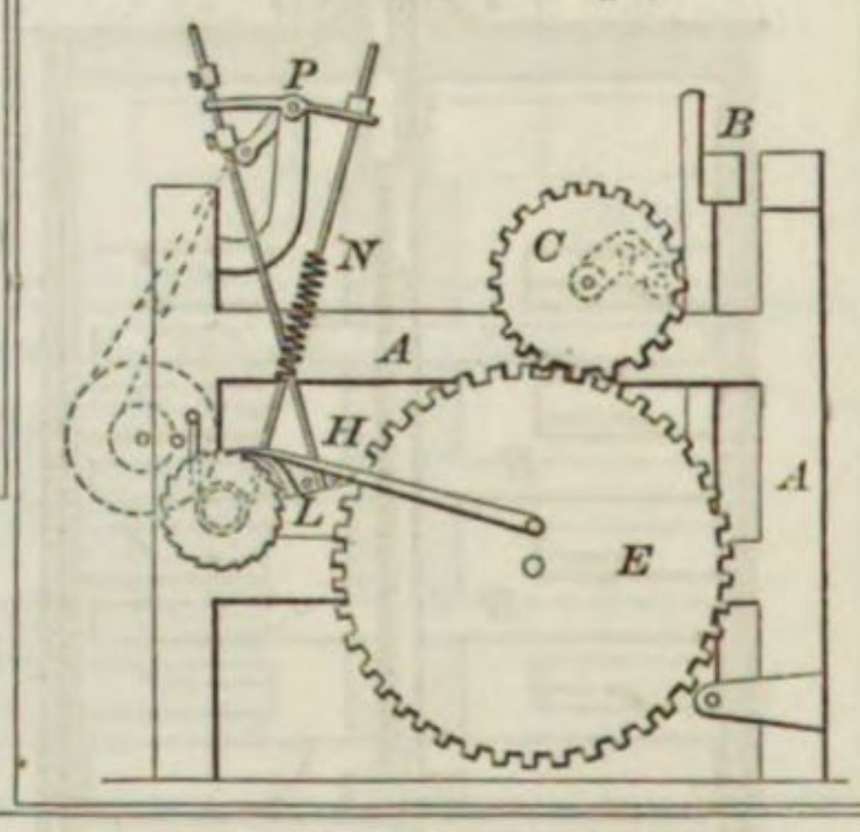
52774—R. W. Van Peyma—*Grain Huller.*



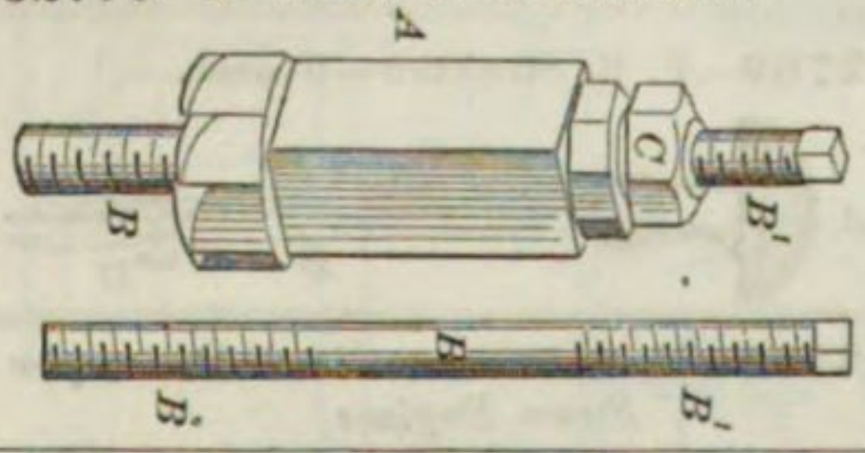
52775—R. E. Washburne—*Sluice Box.*



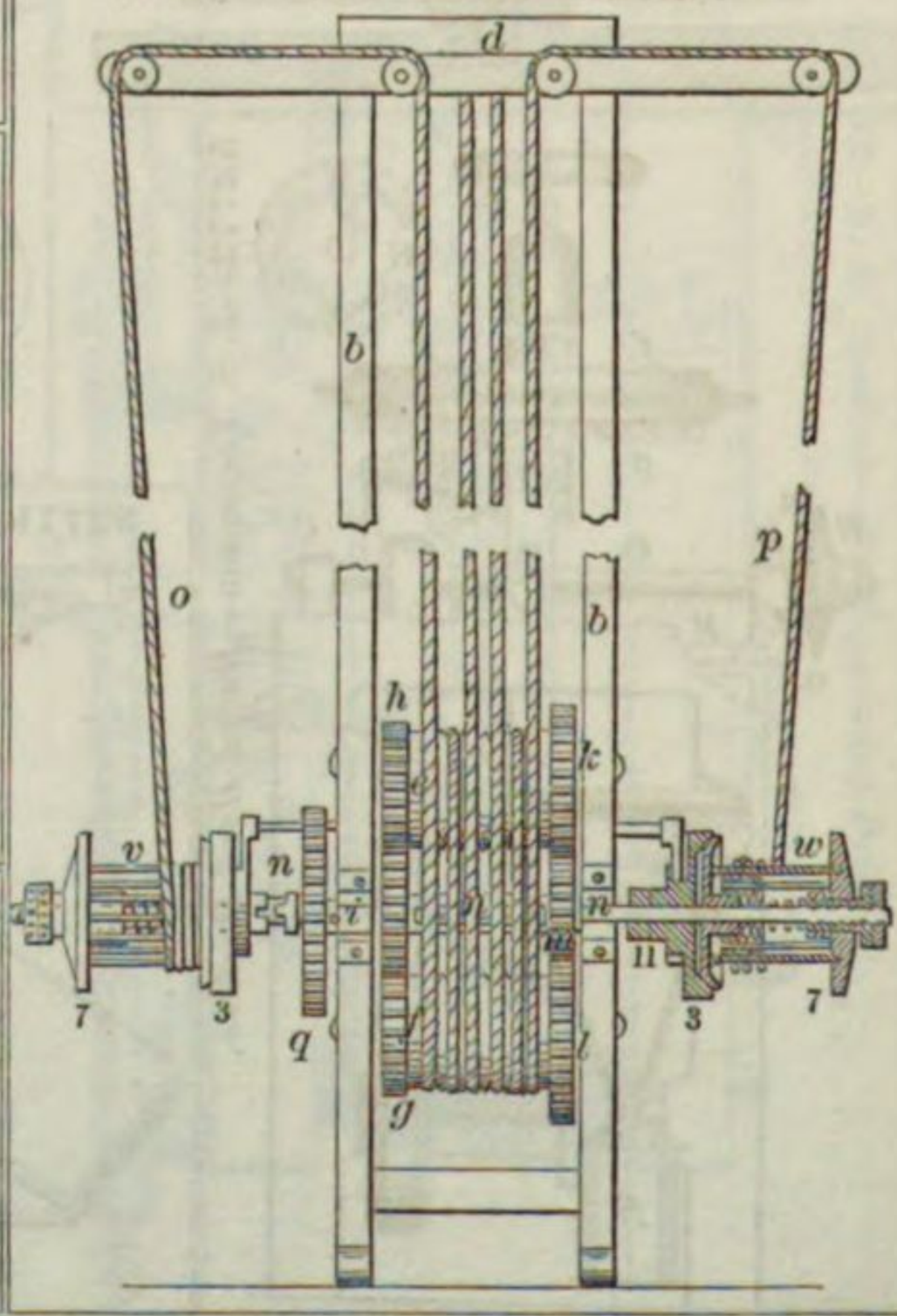
52780—E. Wright—*Let-off for Looms.*



52776—A. Williams—*Countersink.*

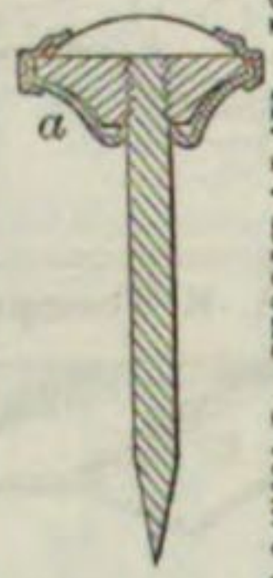


52777—D. D. Winant—*Derrick.*

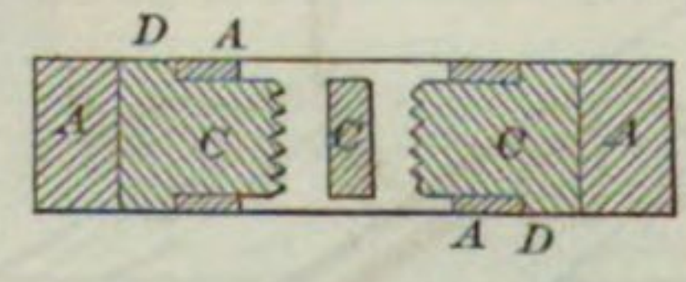


52782—D. Checkeni—*Fancy Doll.*

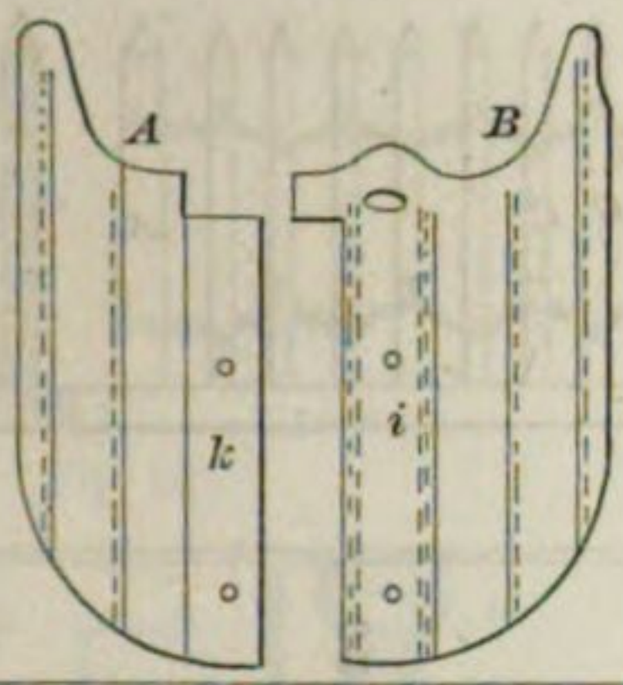
52781—H. P. Brooks—*Picture Nail.*



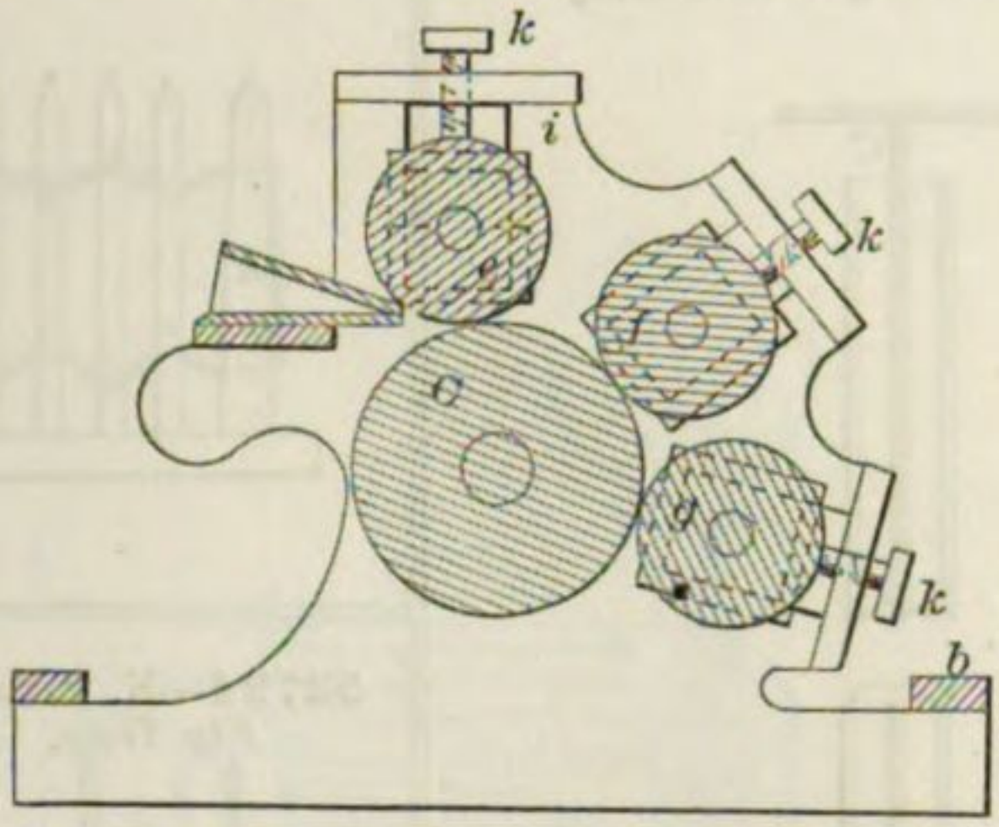
52783—C. G. Cross—*Screw Cutting Die.*



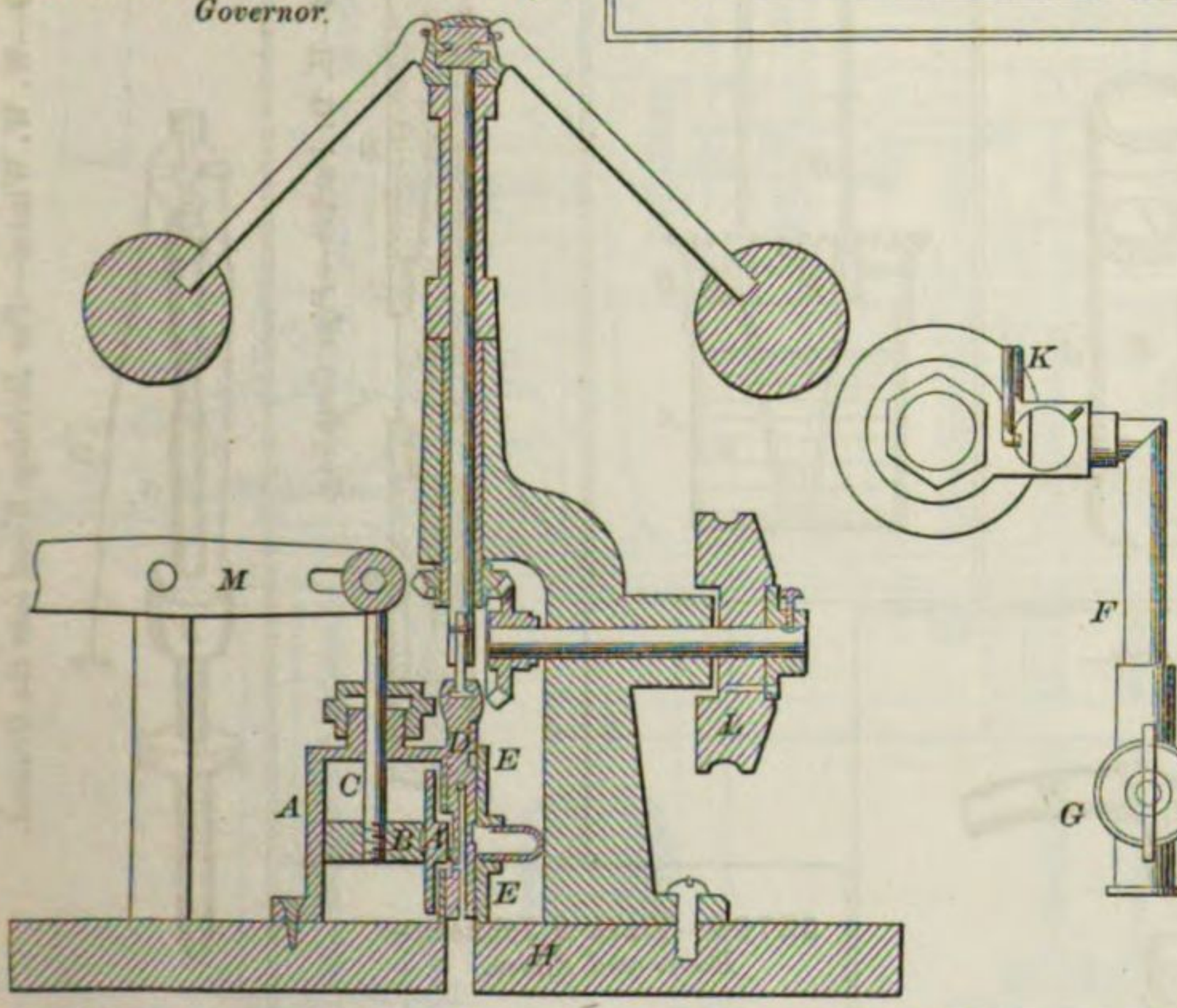
52784—T. A. Curtis—*Paper Shirt Bosom.*



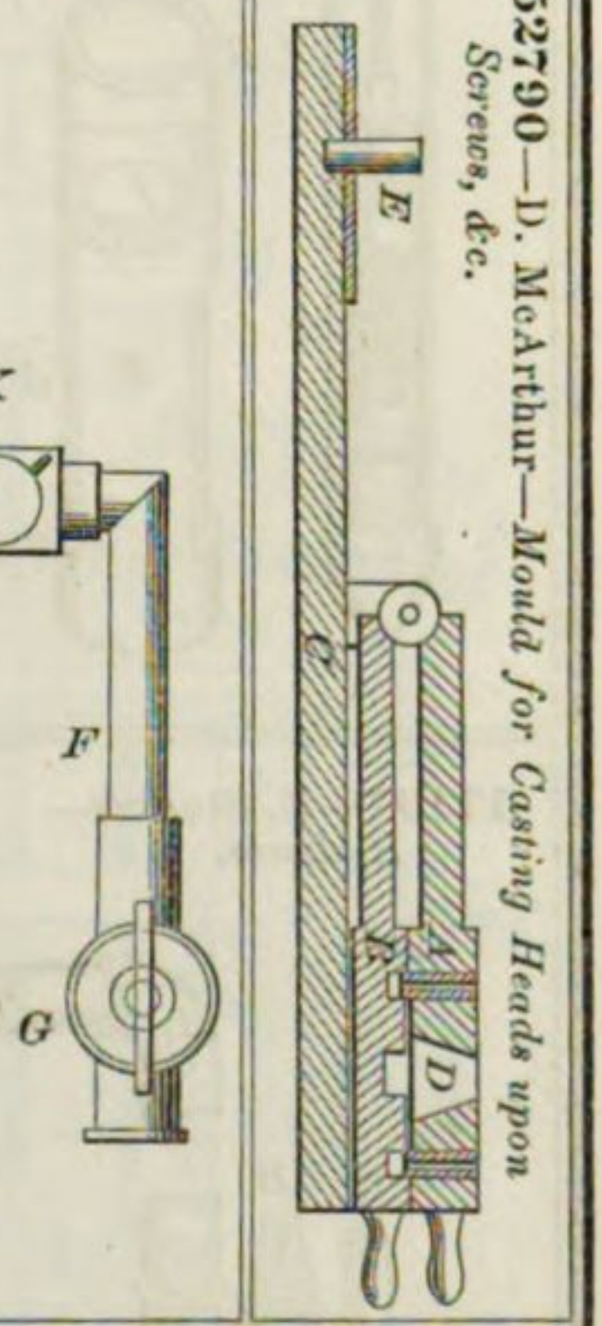
52785—J. H. Darlington—*Pressing Paper Collars.*



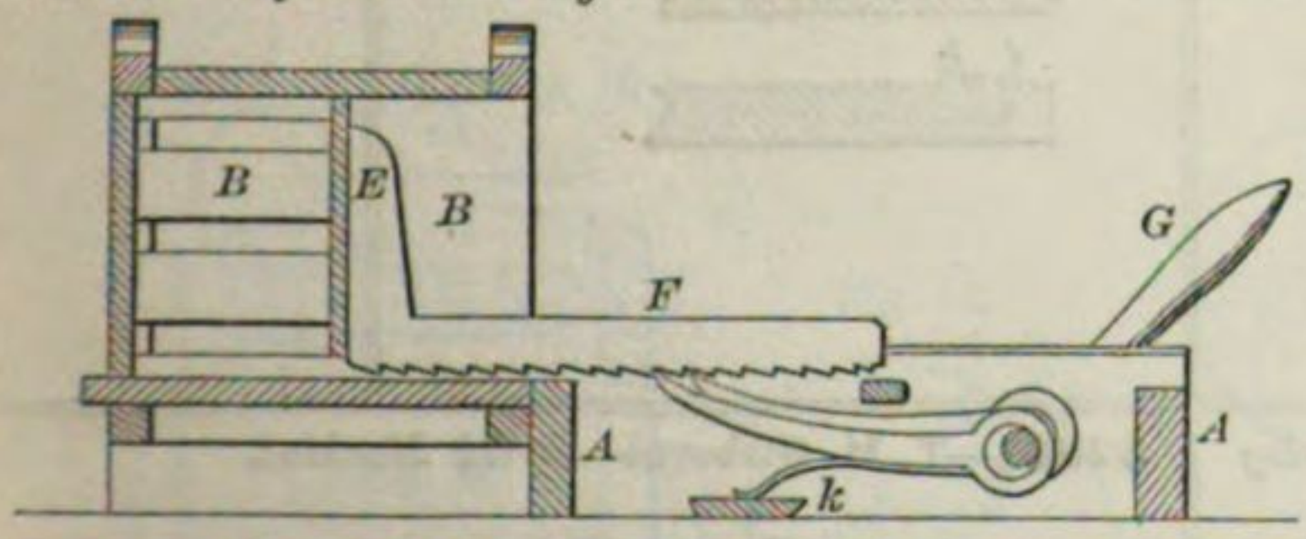
52789—A. Lawrence—*Steam Engine Governor.*



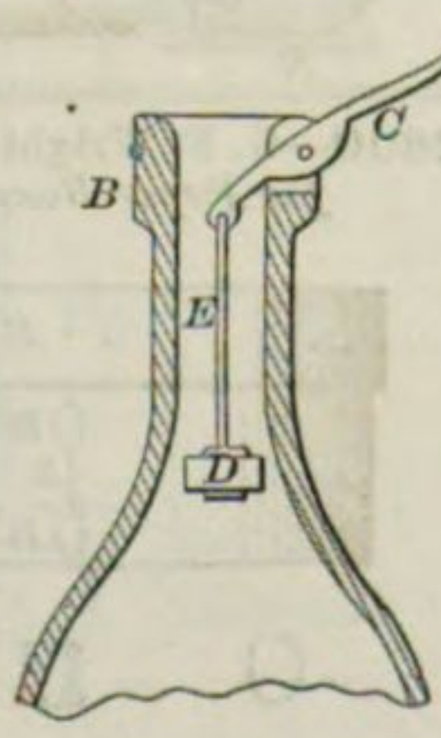
52790—D. McArthur—*Mould for Casting Heads upon Screws, &c.*



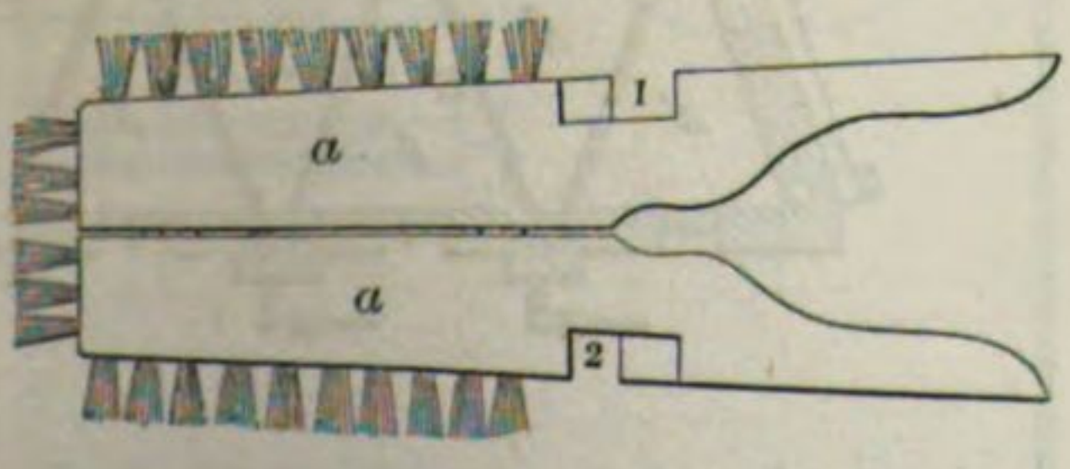
52786—Day & Noel—*Hay and Cotton Press.*



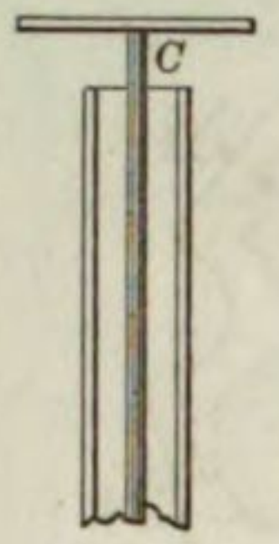
52791—E. Morris, Jr.—*Bottle Stopper.*

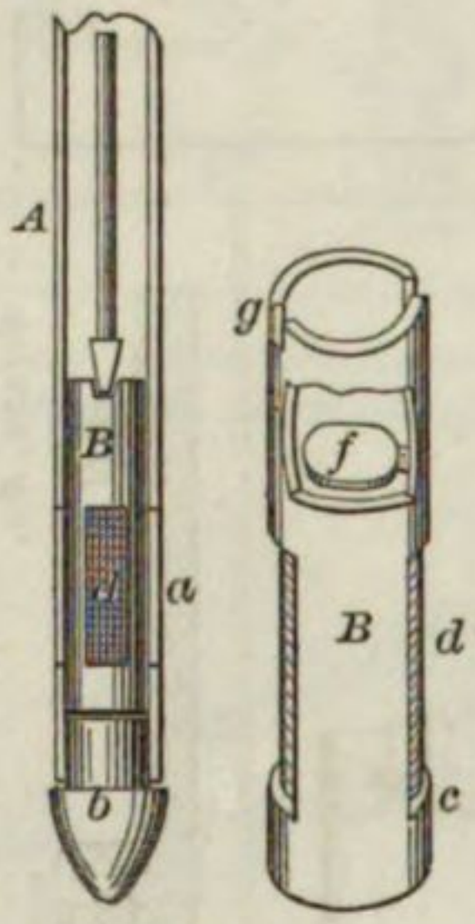


52787—S. Gissinger—*Blacking Brush and Boot Jack.*

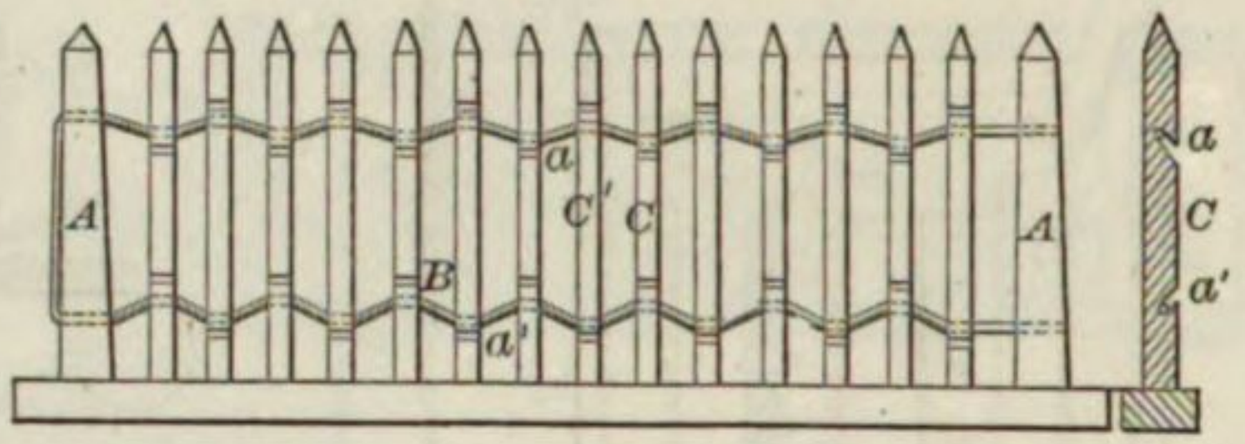


52792—R. F. Osgood—
Sinking Well Tubing.

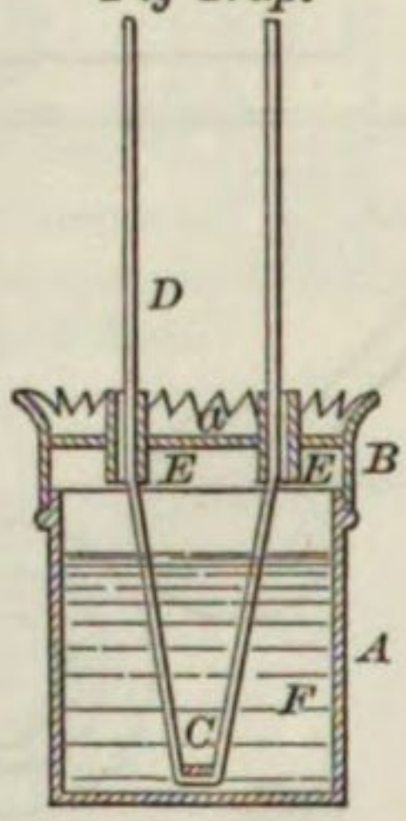




52795—R. Prouty—*Fence.*

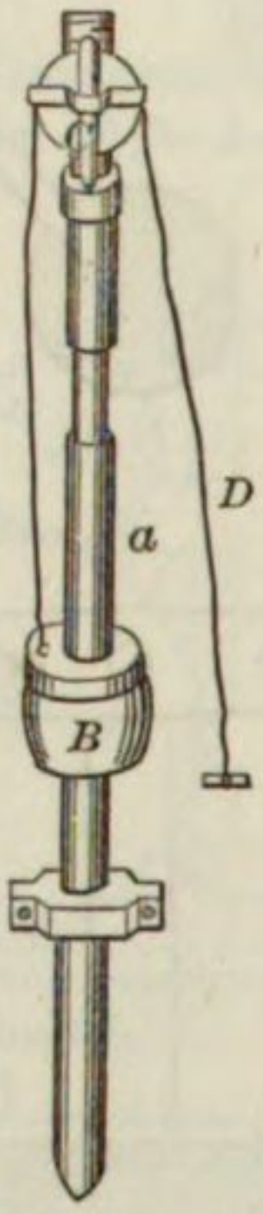


52794—N. Pike—
Fly Trap.

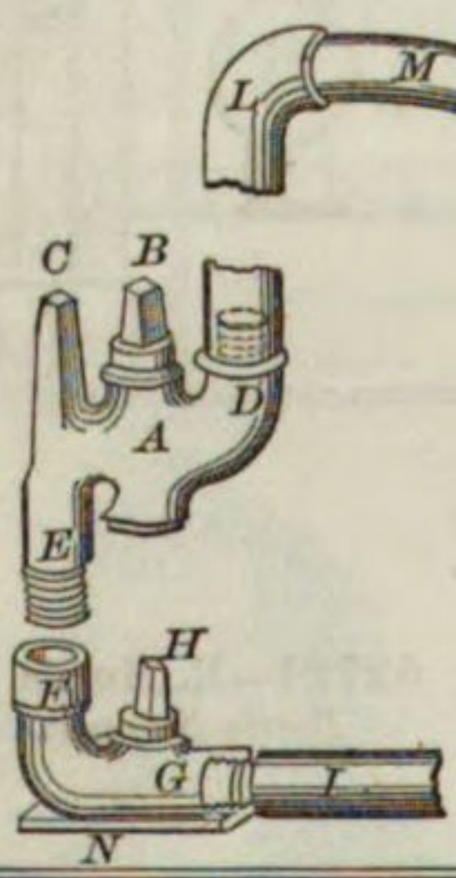


52793—H. D. Parker—*Pipe Coupling.*

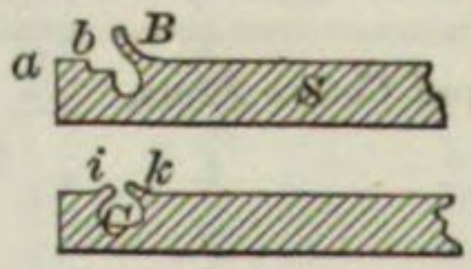
52799—W. W. Winter—*For Driving Wood into the Ground.*



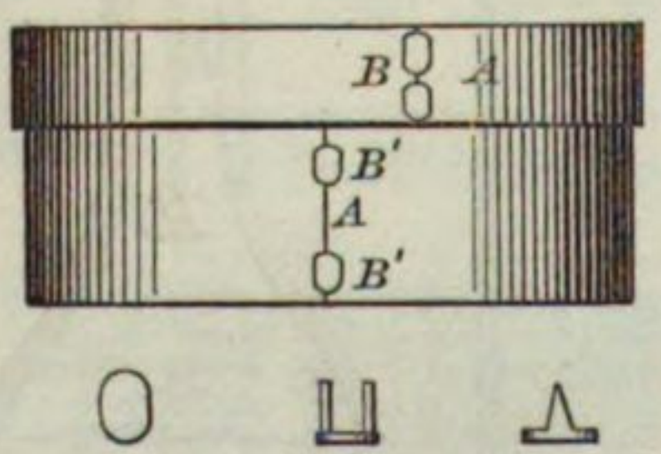
52797—E. Stocker—
Hydrant.



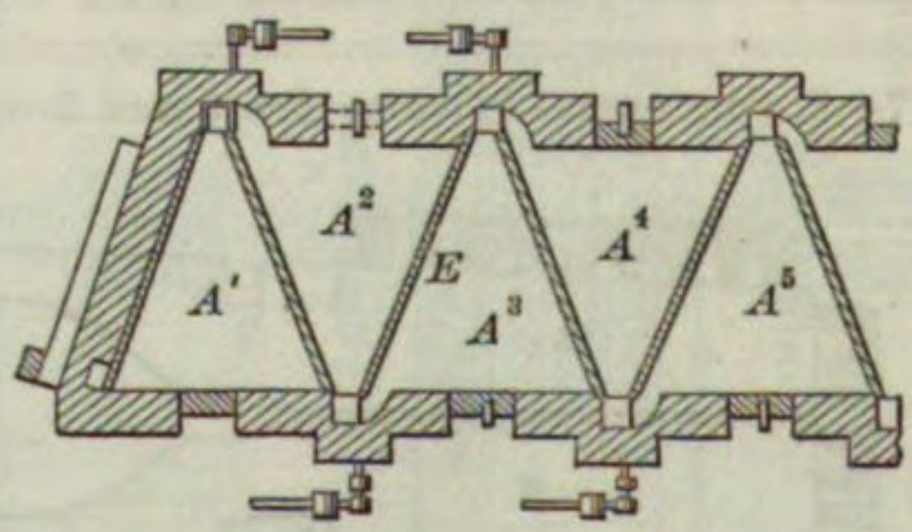
52798—Trask & Johnson—
Boots and Shoes.



52800—G. F. Wright—*Fastening for Paper Boxes.*



52801—T. M. Gisborne—*Brick Machine.*



52802—Southall & Heap—*Machine for Making Boots and Shoes.*

Fig. 17

Fig. 1

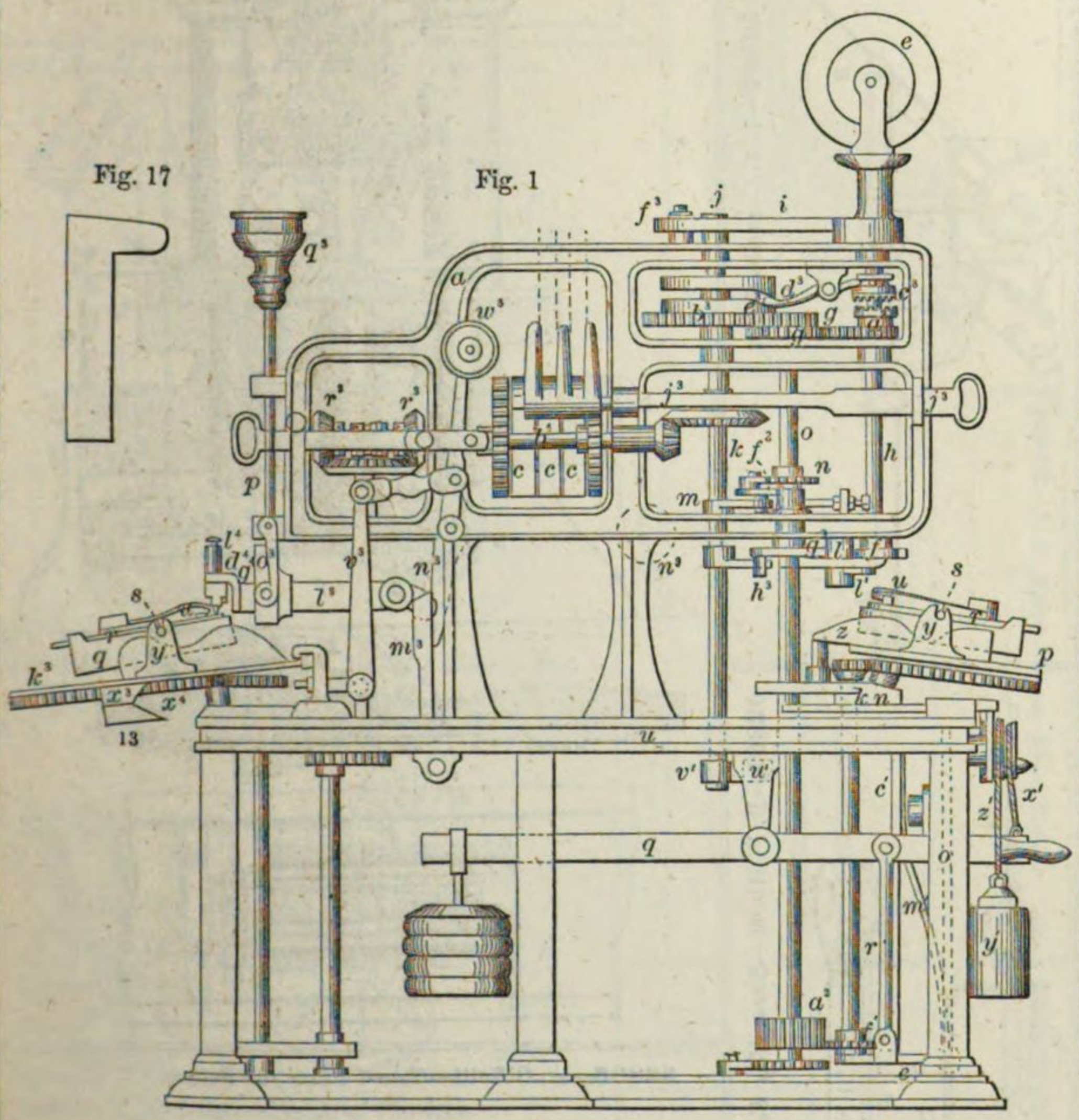


Fig. 15

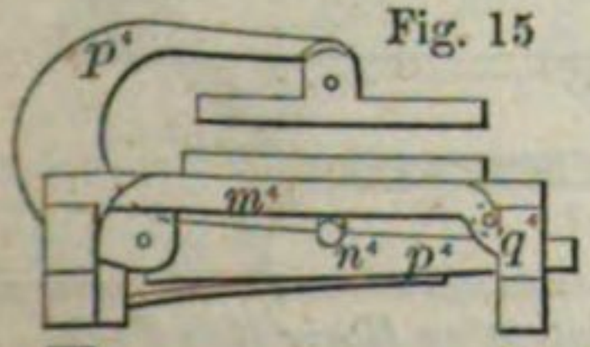


Fig. 16

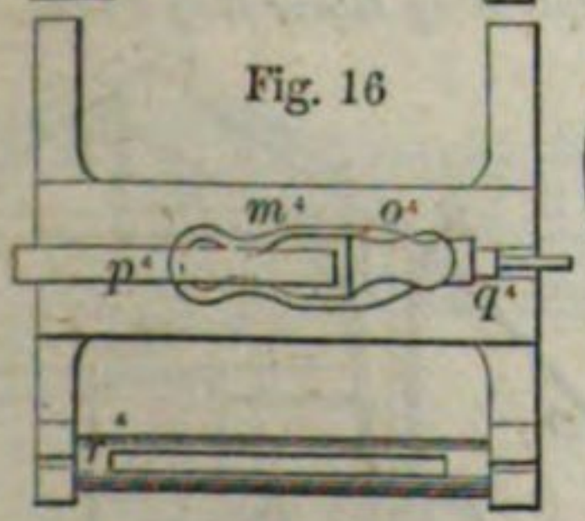


Fig. 14

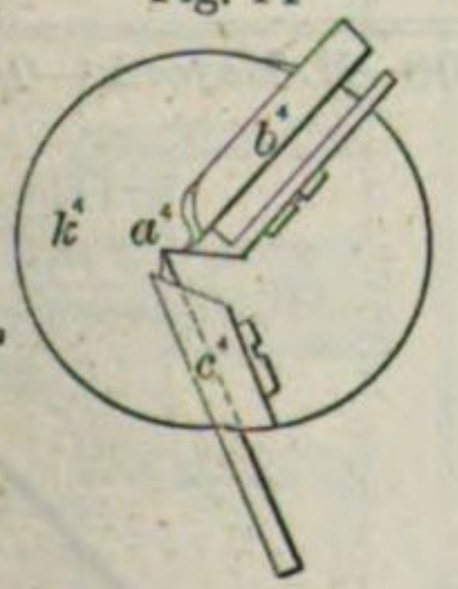


Fig. 13

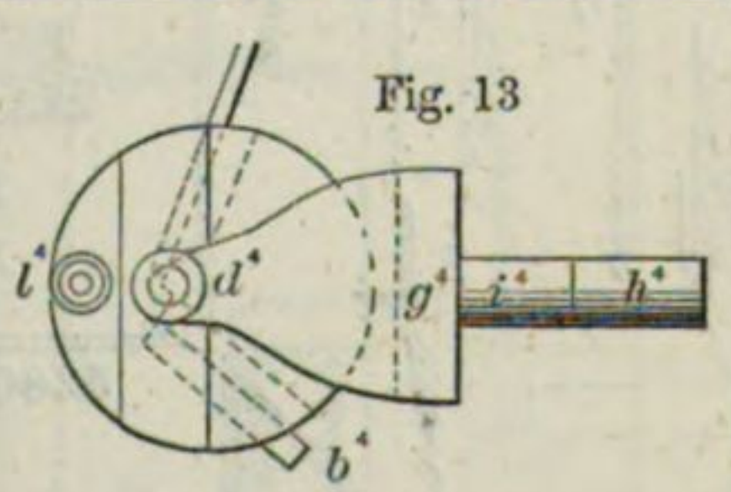
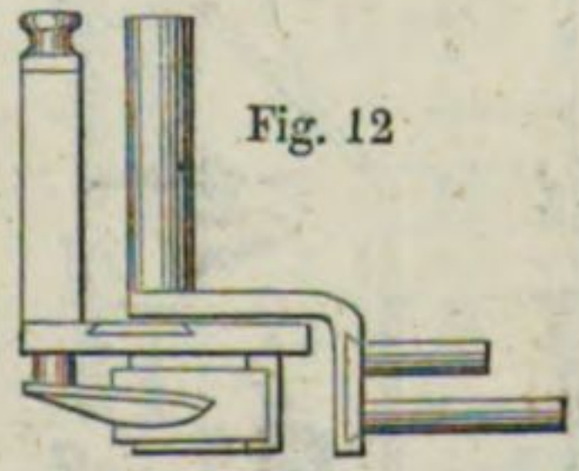
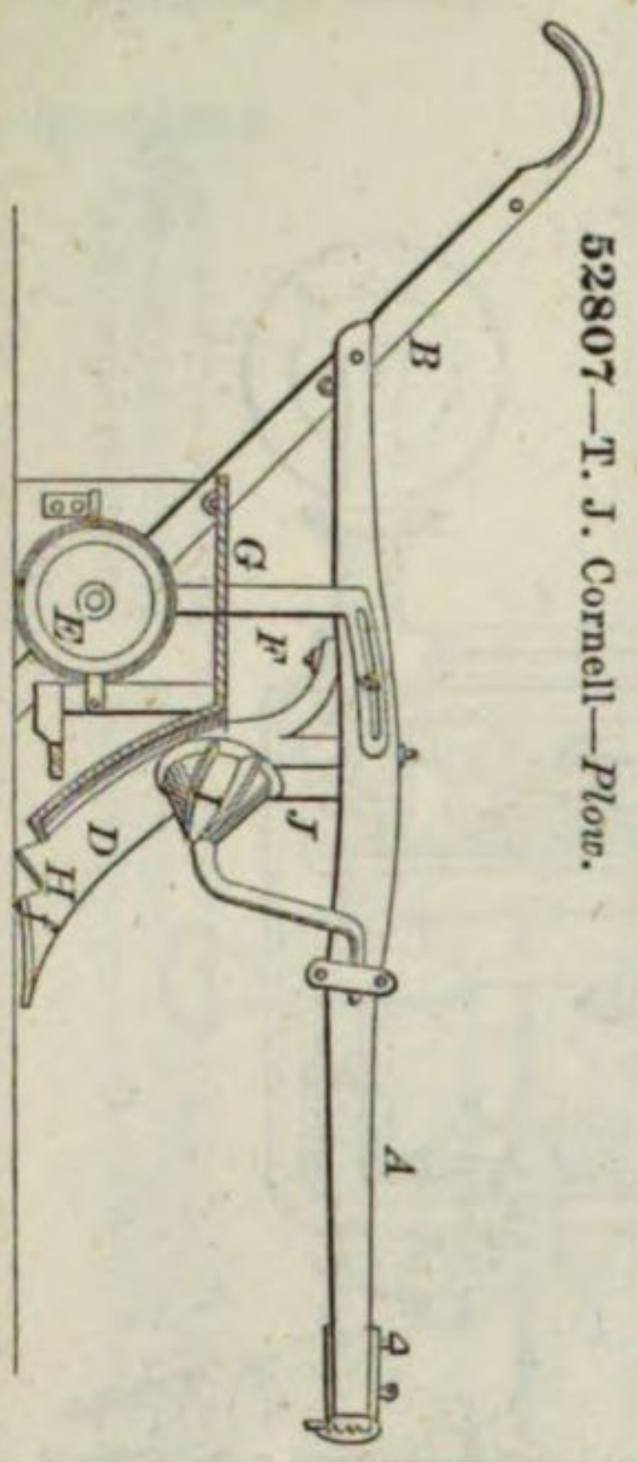


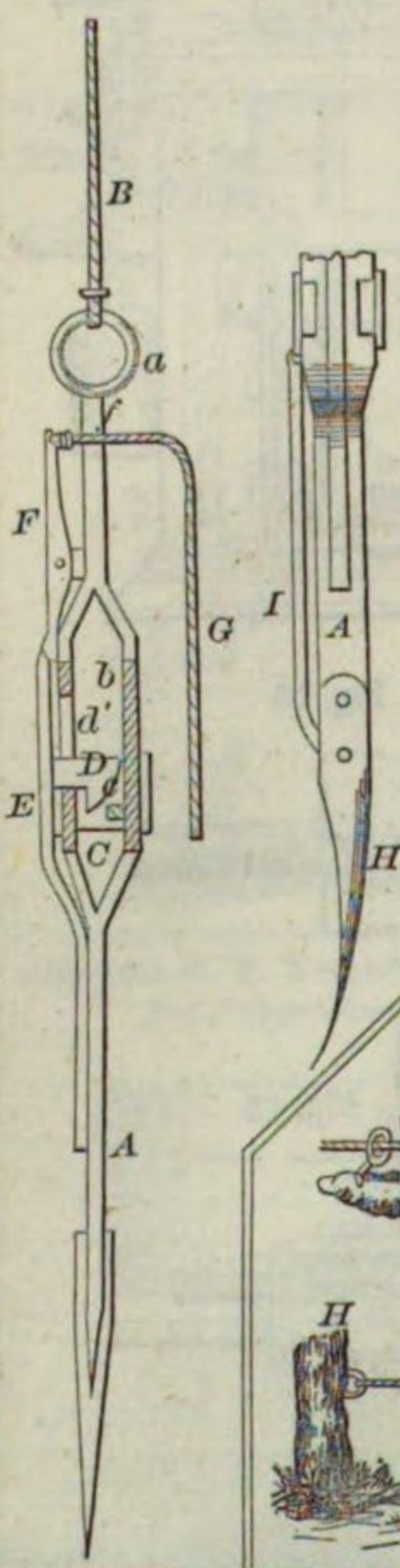
Fig. 12



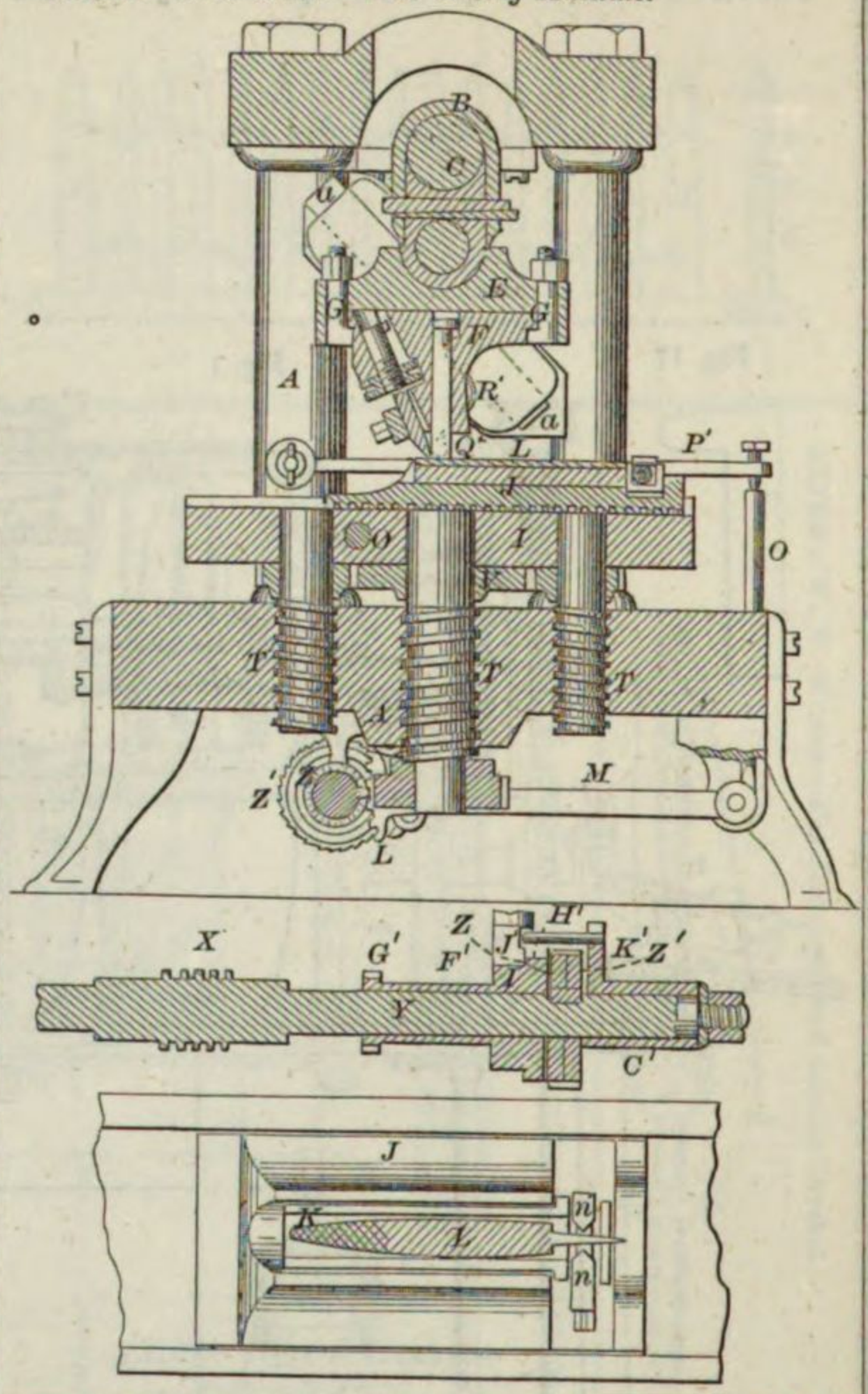
52807—T. J. Cornell—*Plow.*



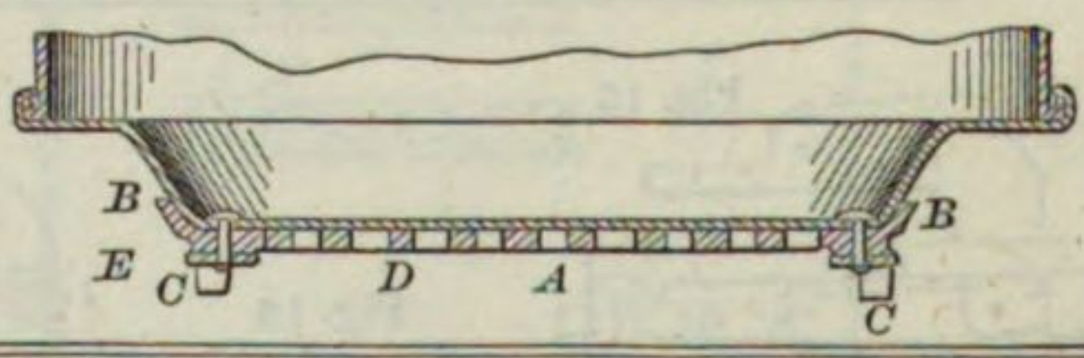
52805—B. F. Hisert—*Horse Hay Fork.*



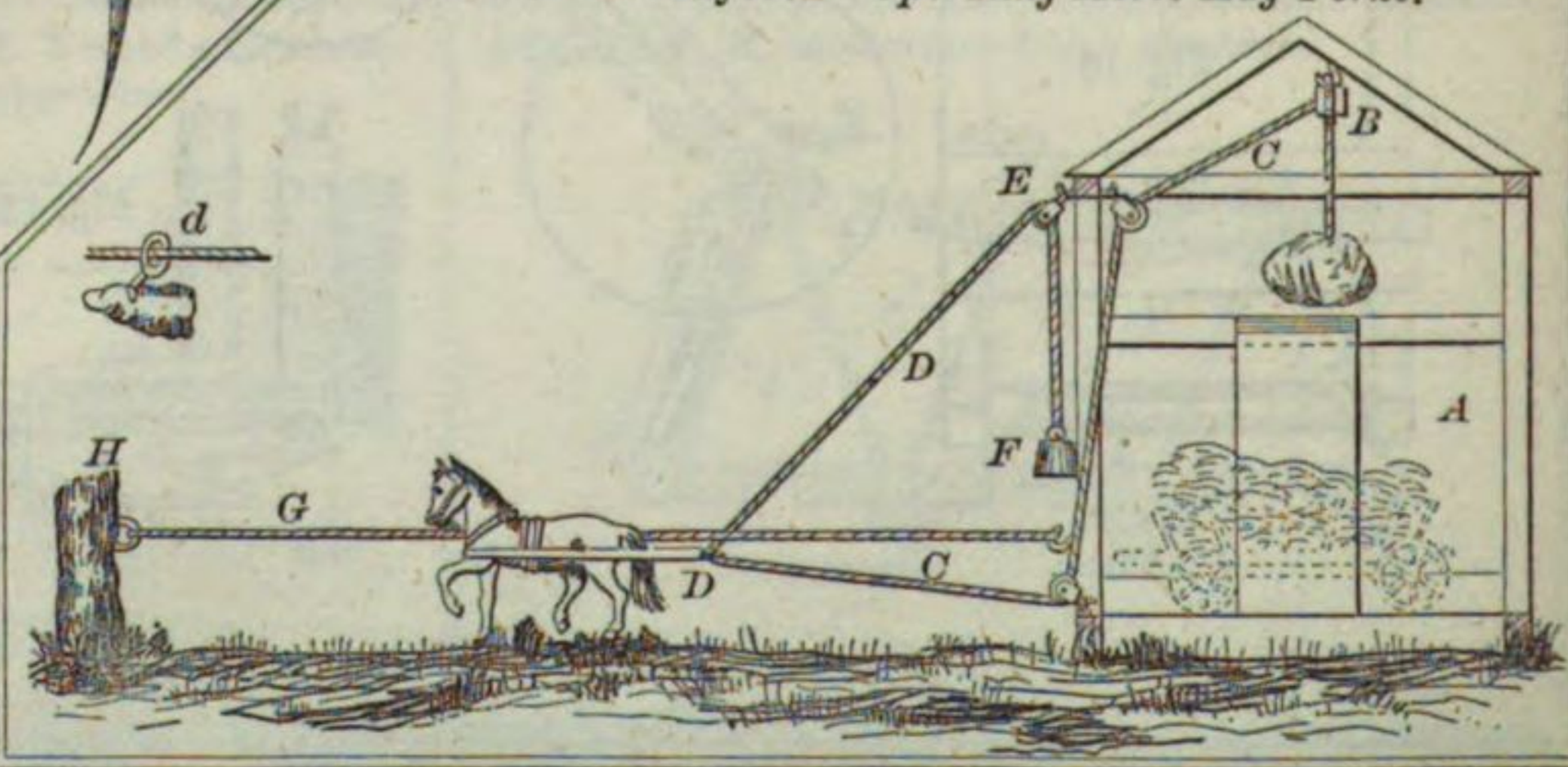
52804—J. C. Cooke—*File Cutting Machine.*



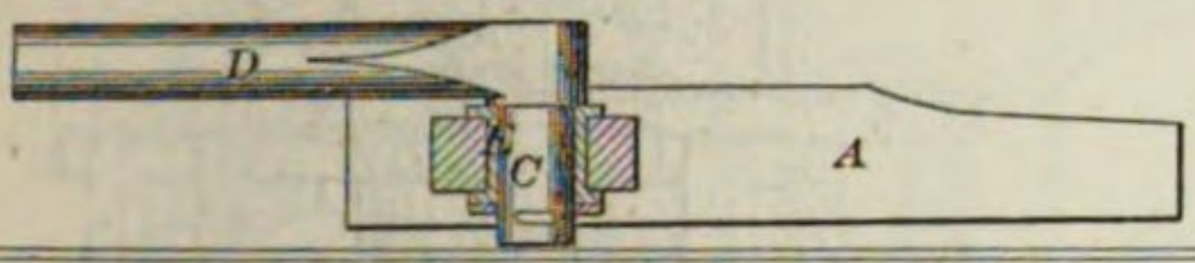
52806—A. O'Neill—*Guard Plate for Boilers.*



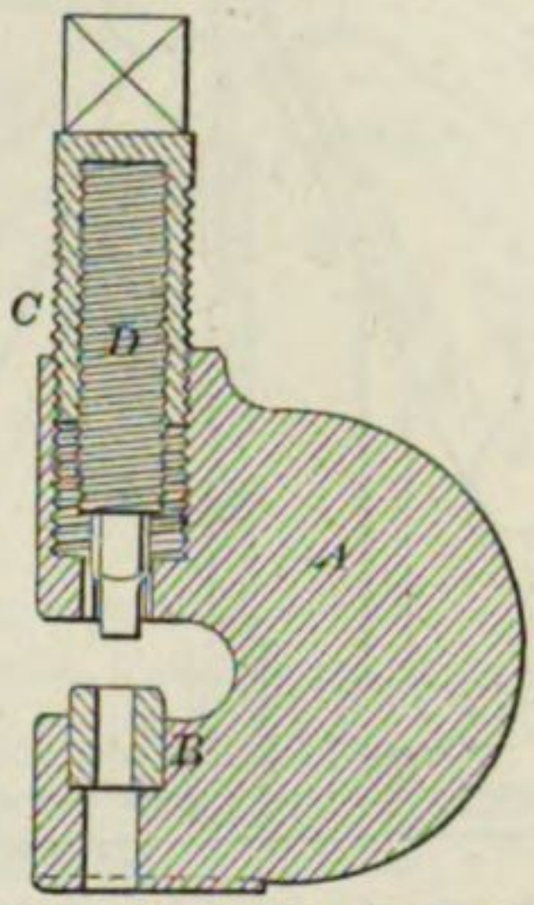
52808—H. Maycock—*Operating Horse Hay Forks.*



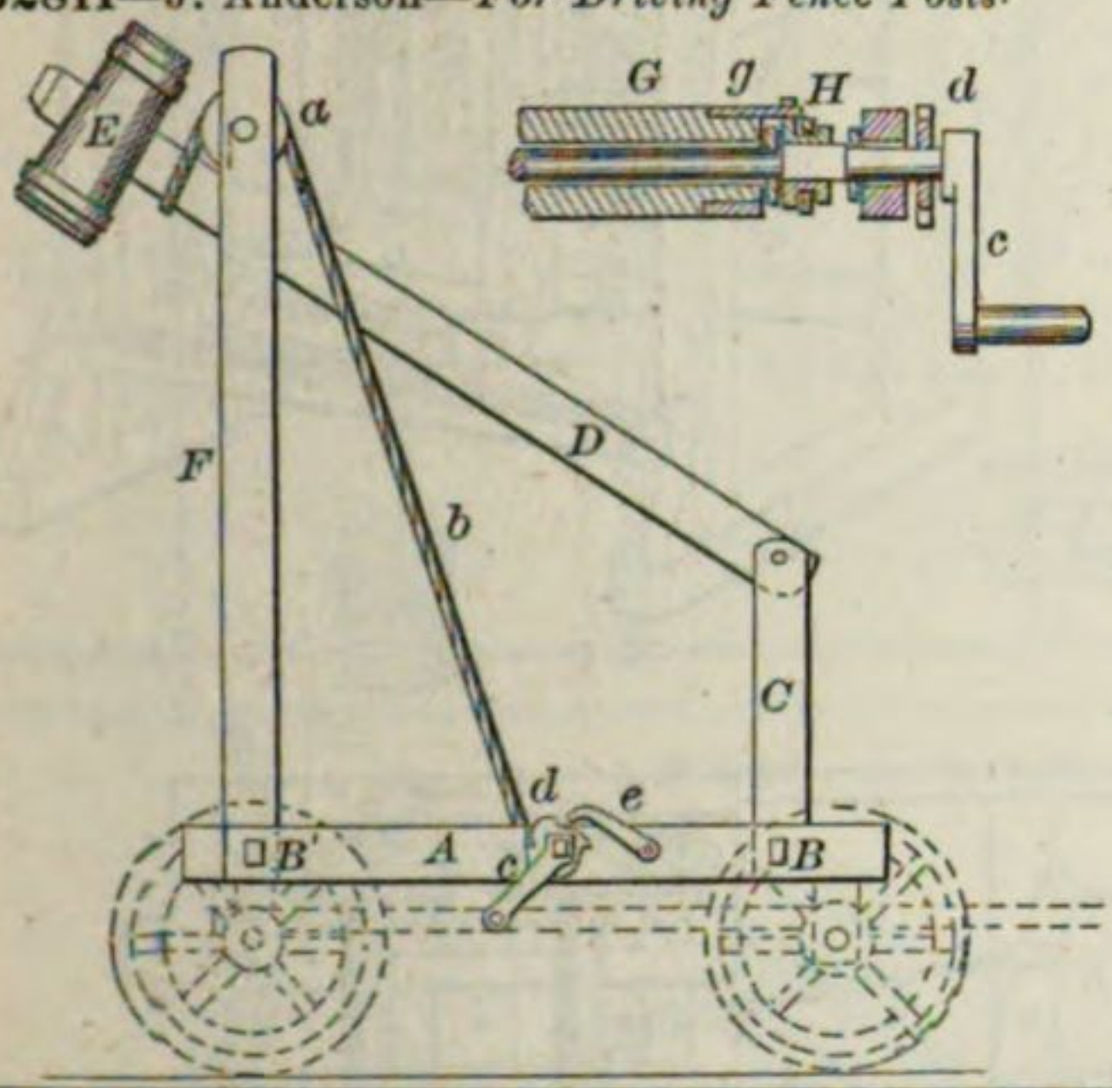
52809—A. S. Acker—*Harvester.*



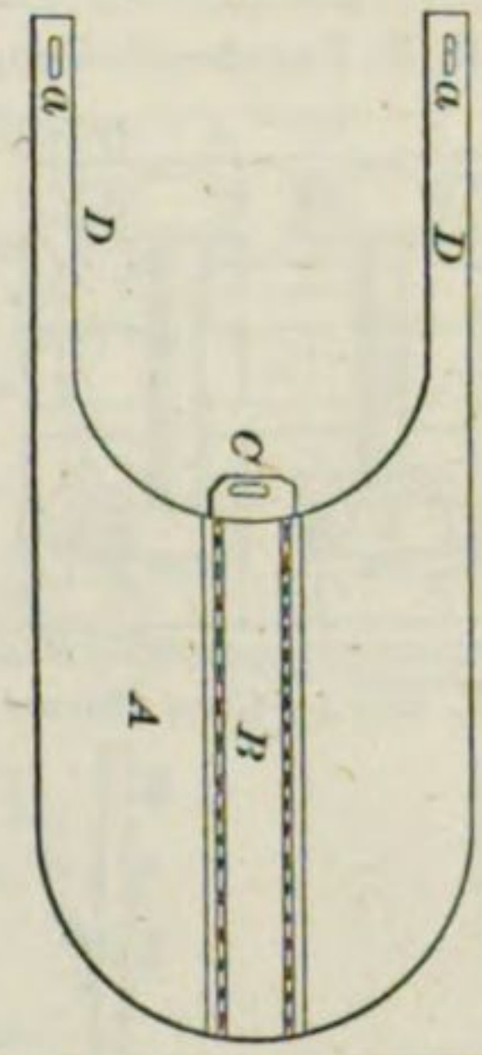
52810—J. F. Allen—*Apparatus for Punching.*



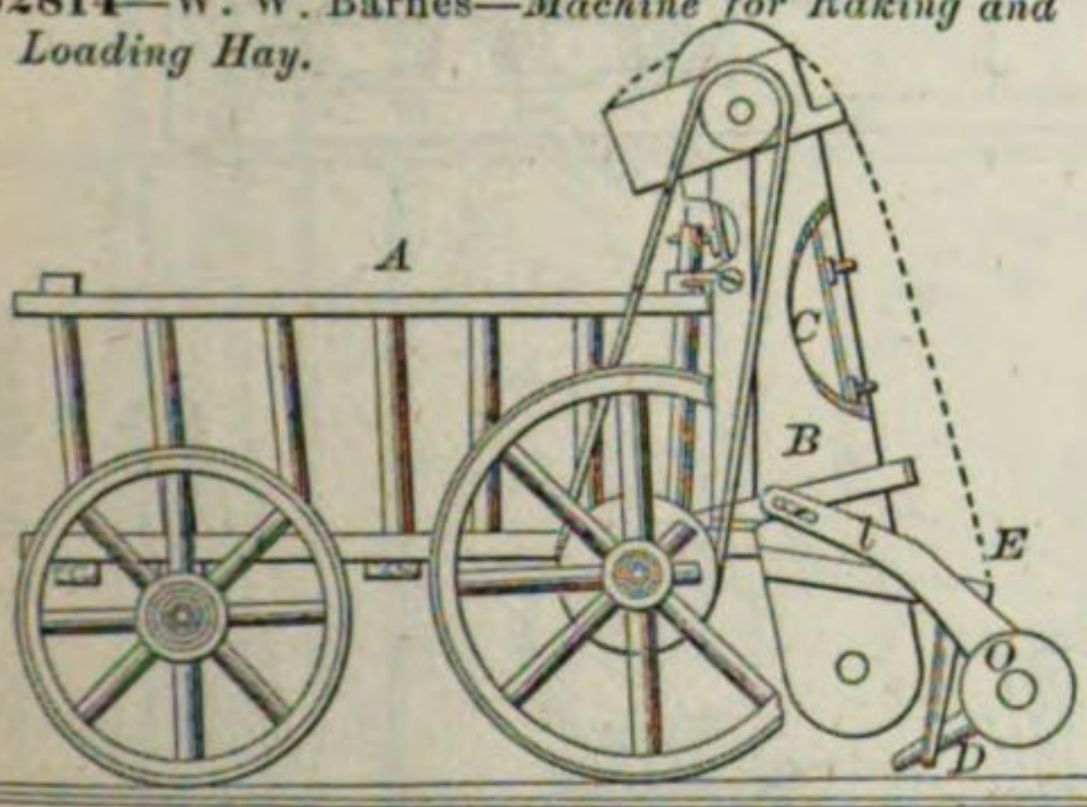
52811—J. Anderson—*For Driving Fence Posts.*



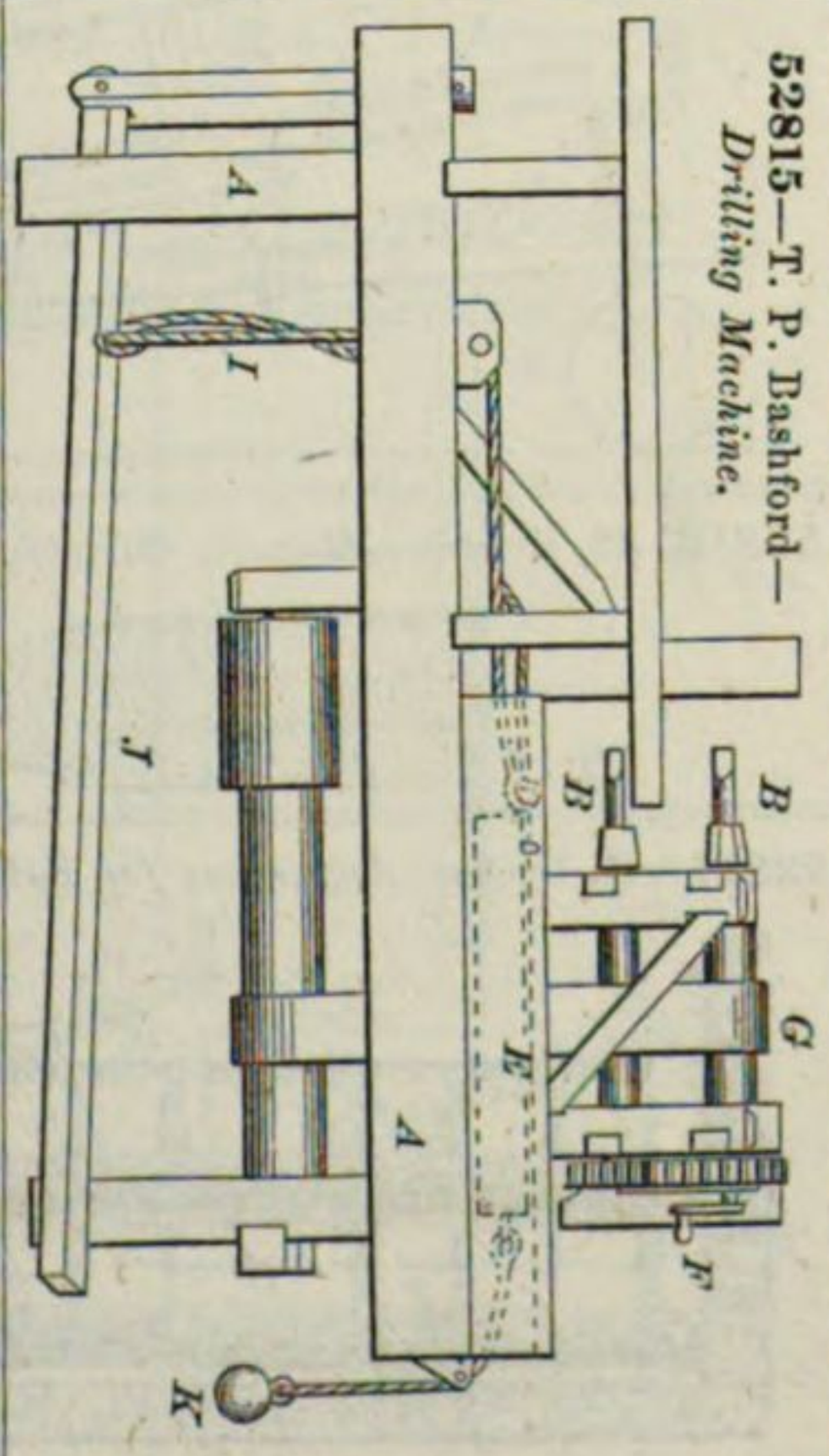
52812—J. C. Arms—*Paper Shirt Bosom.*



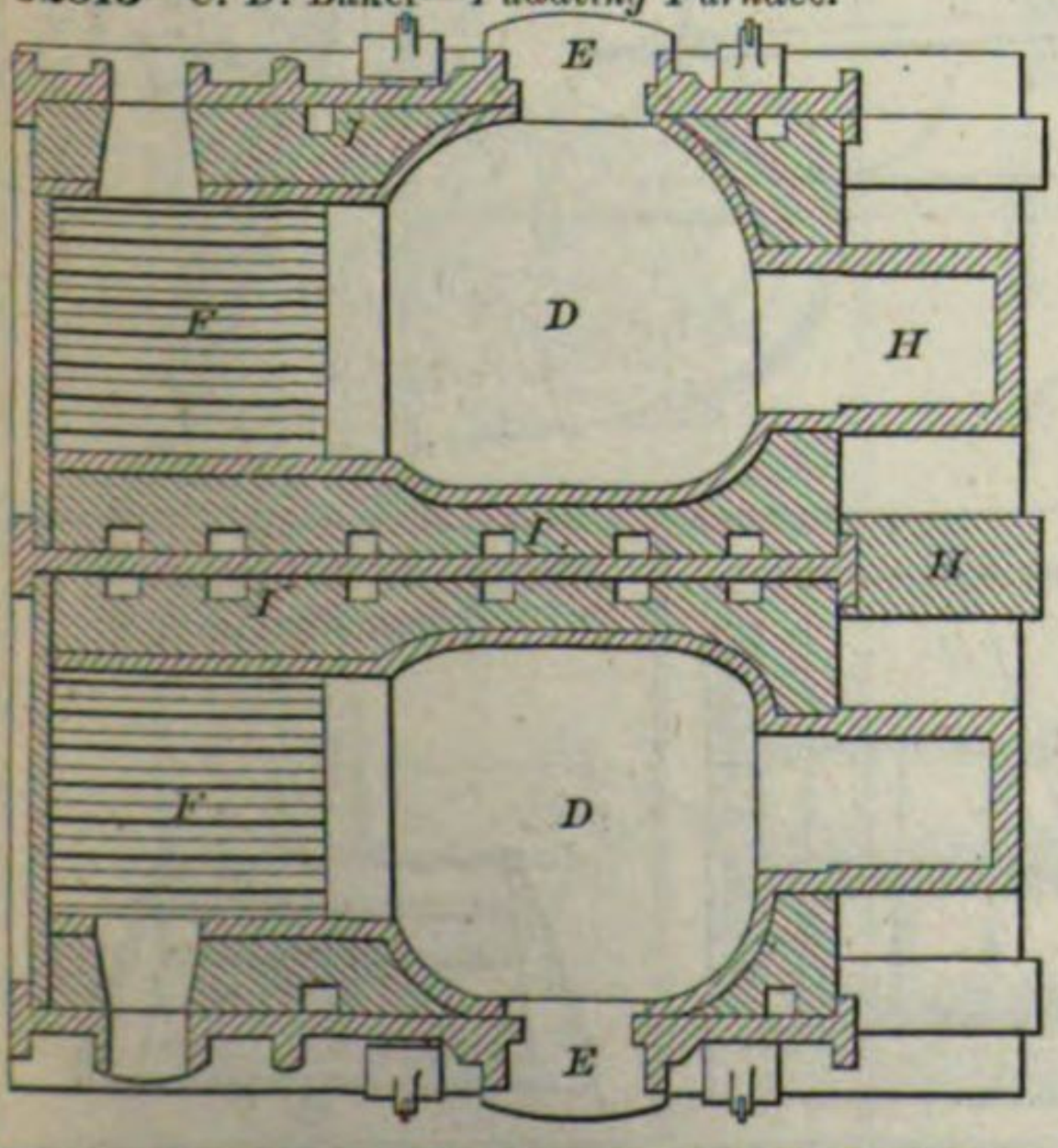
52814—W. W. Barnes—*Machine for Raking and Loading Hay.*



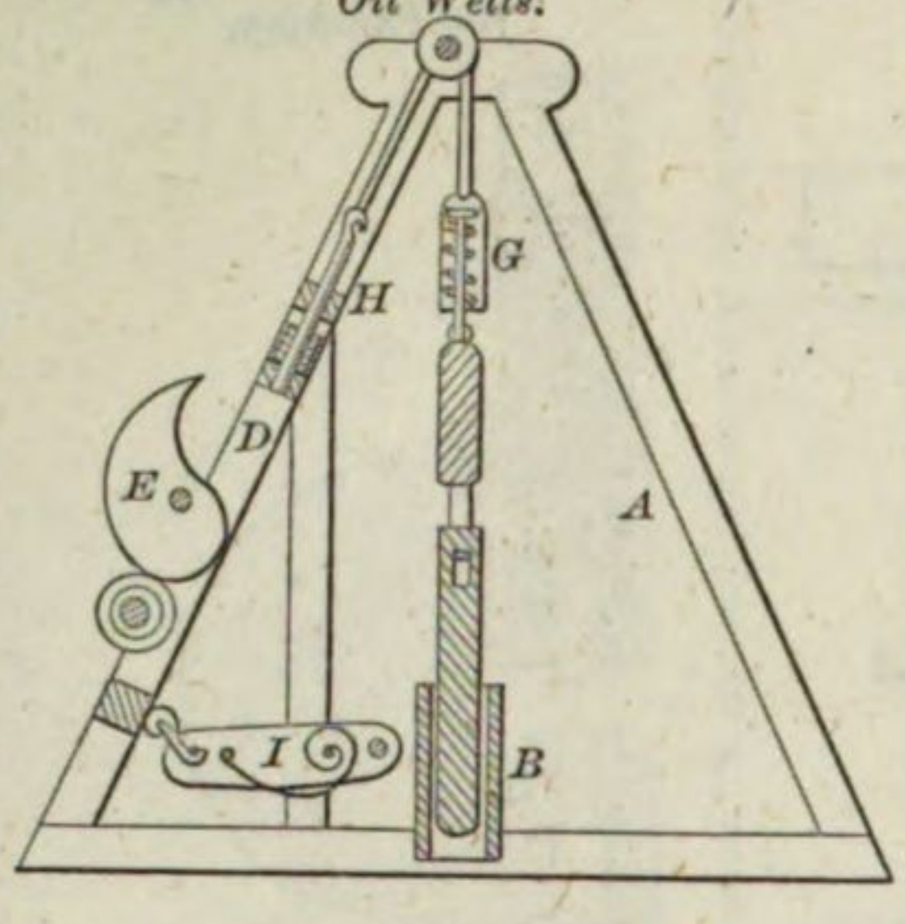
52815—T. P. Bashford—*Drilling Machine.*



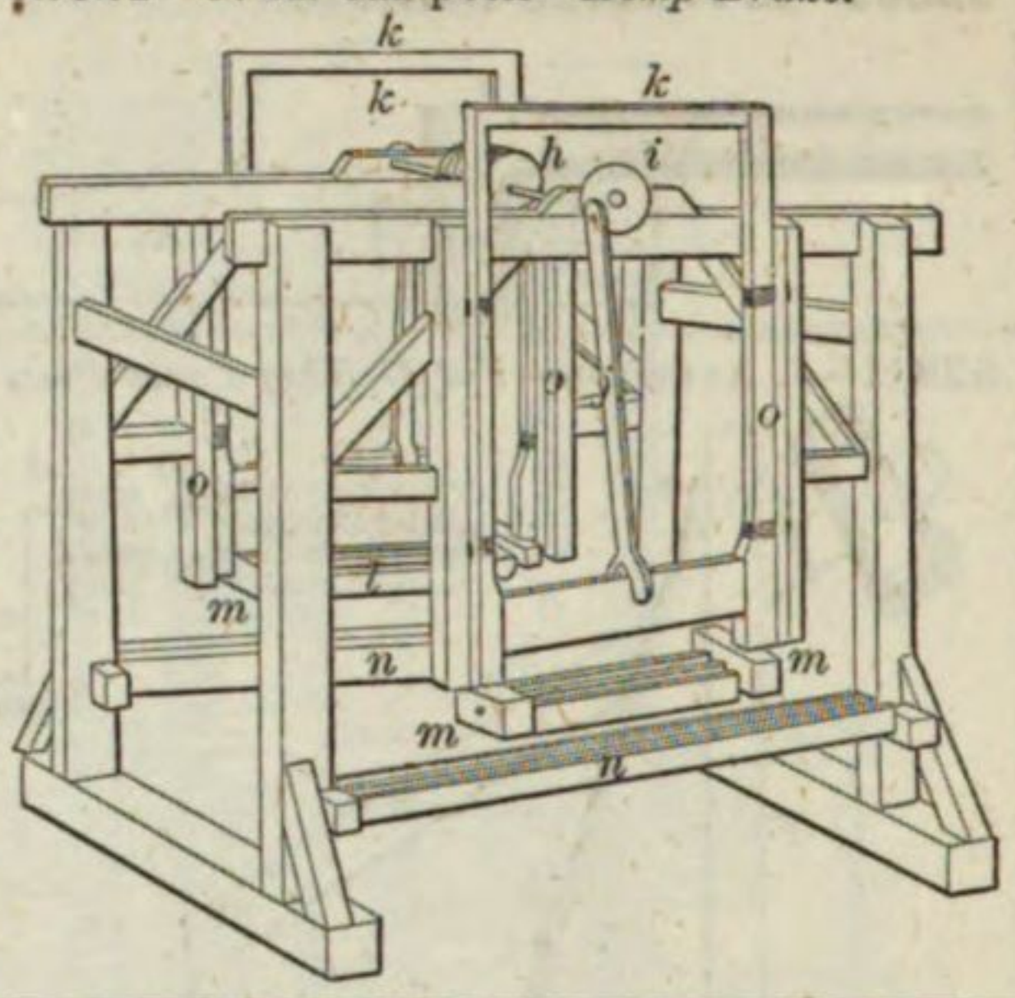
52813—C. D. Baker—*Puddling Furnace.*



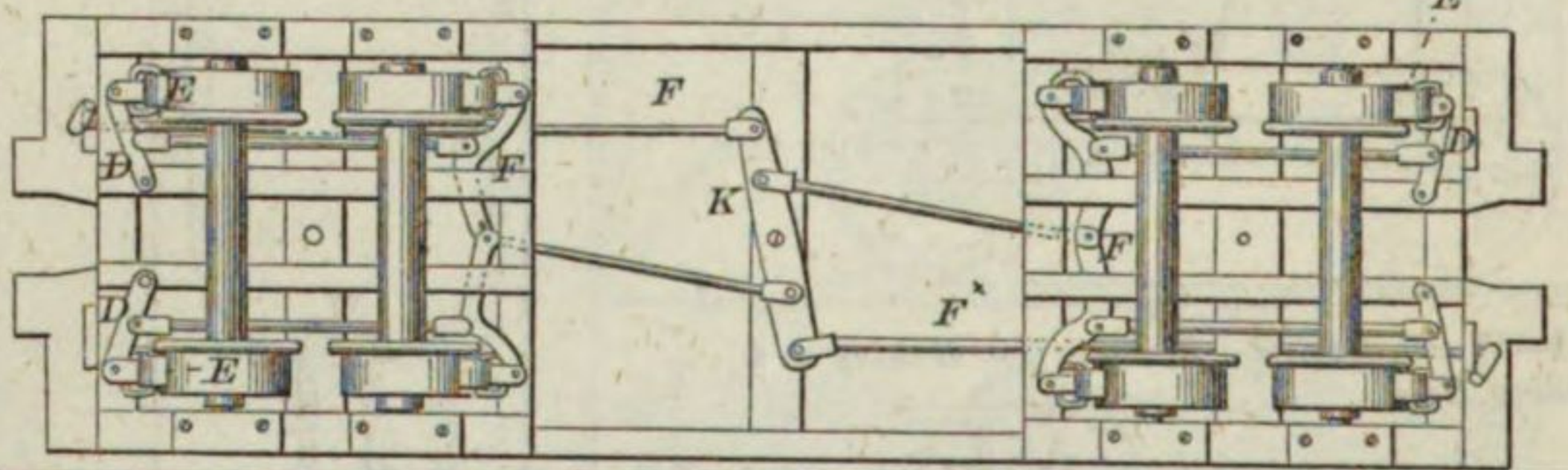
52816—Bateman & Cumming—*Drill for Oil Wells.*



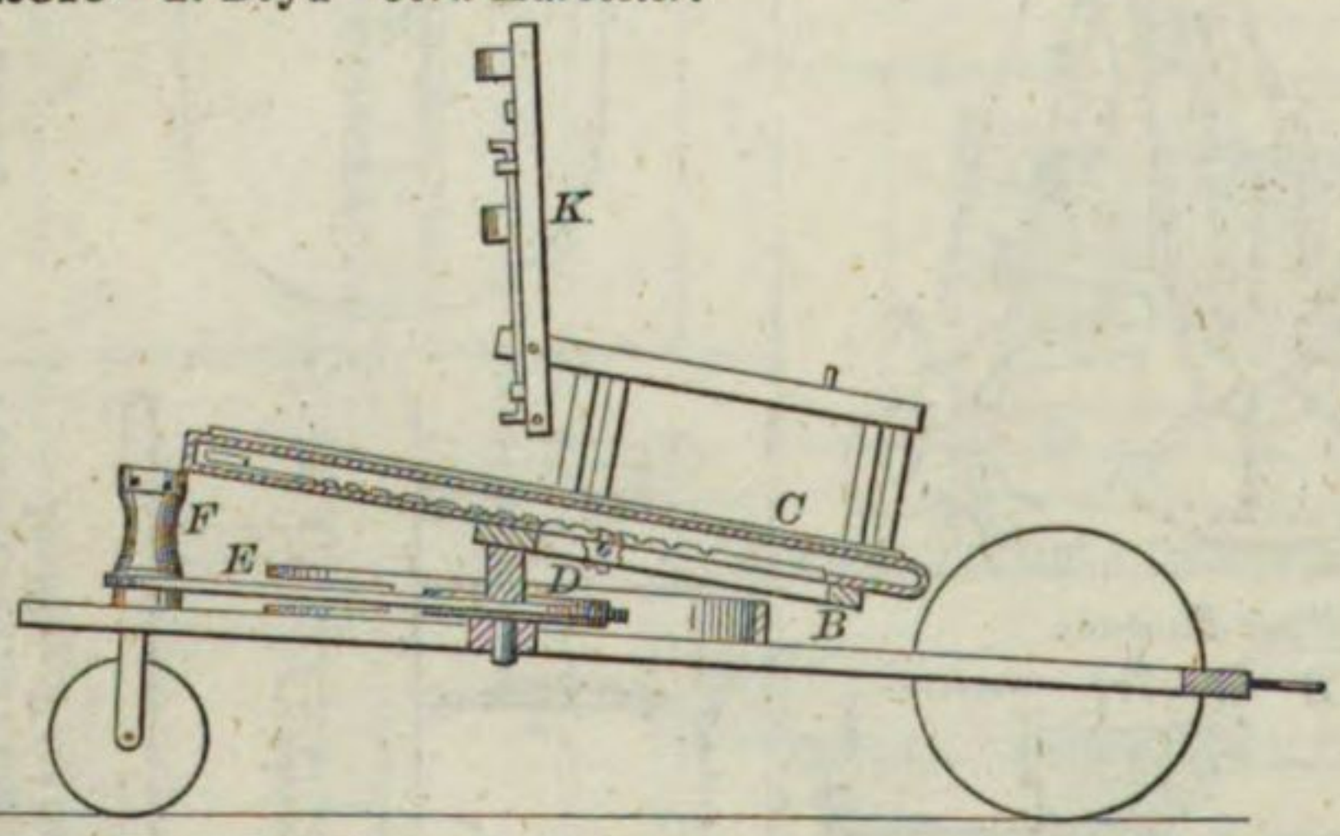
52821—G. M. Campbell—*Hemp Brake.*



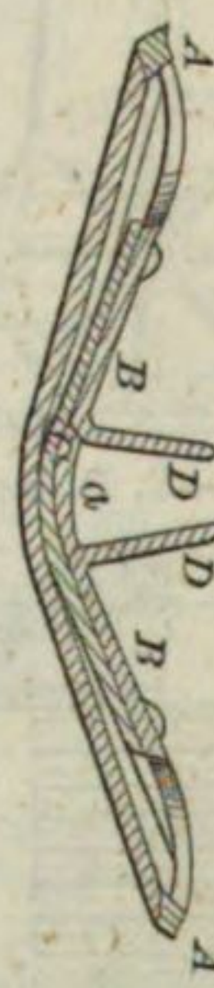
52820—E. R. Brown—*Railway Brake.*



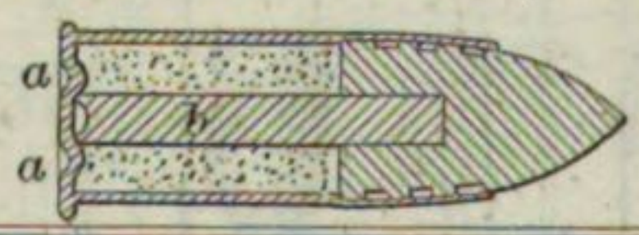
52819—T. Boyd—*Corn Harvester.*



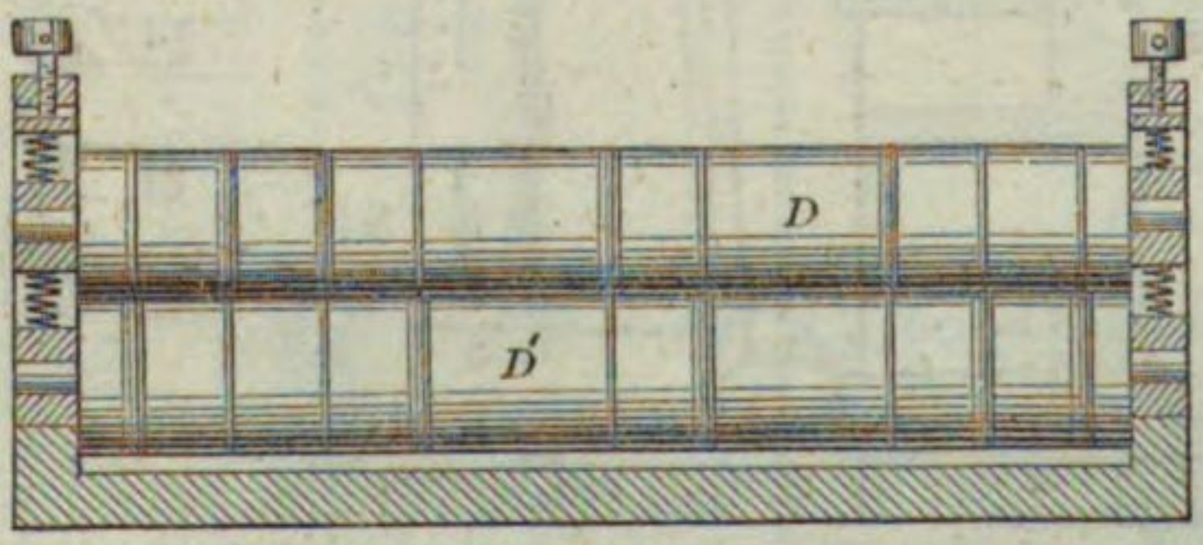
52822—H. H. Cole—*Clasp for Looping Ladies' Dresses.*



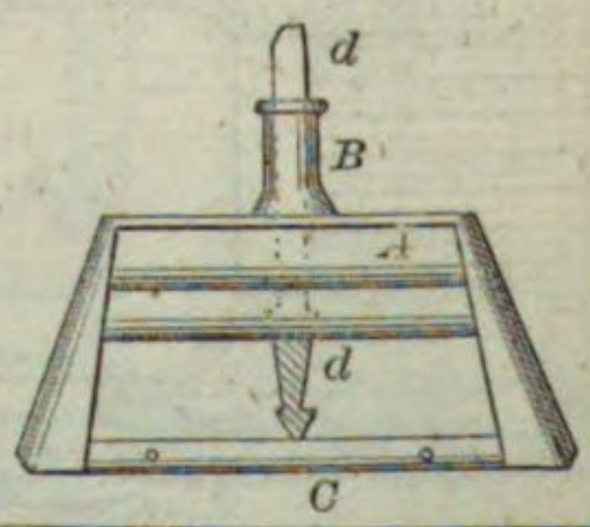
52818—H. Berdan—*Metallic Cartridge.*



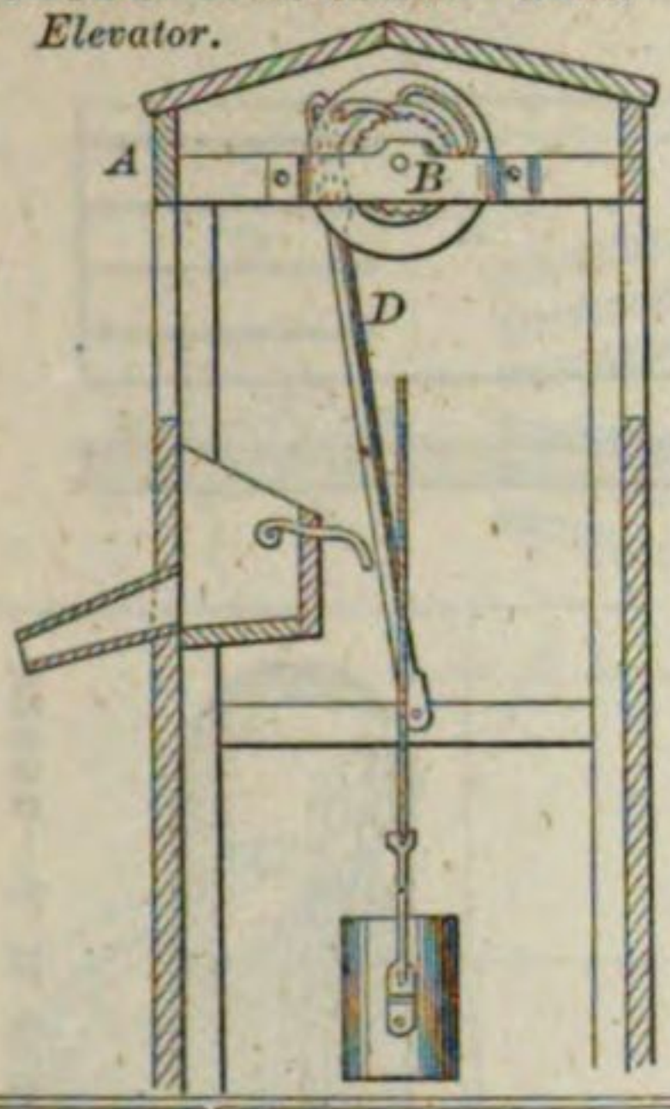
52817—H. Beebe—*Apparatus for Folding Linen Bosoms.*



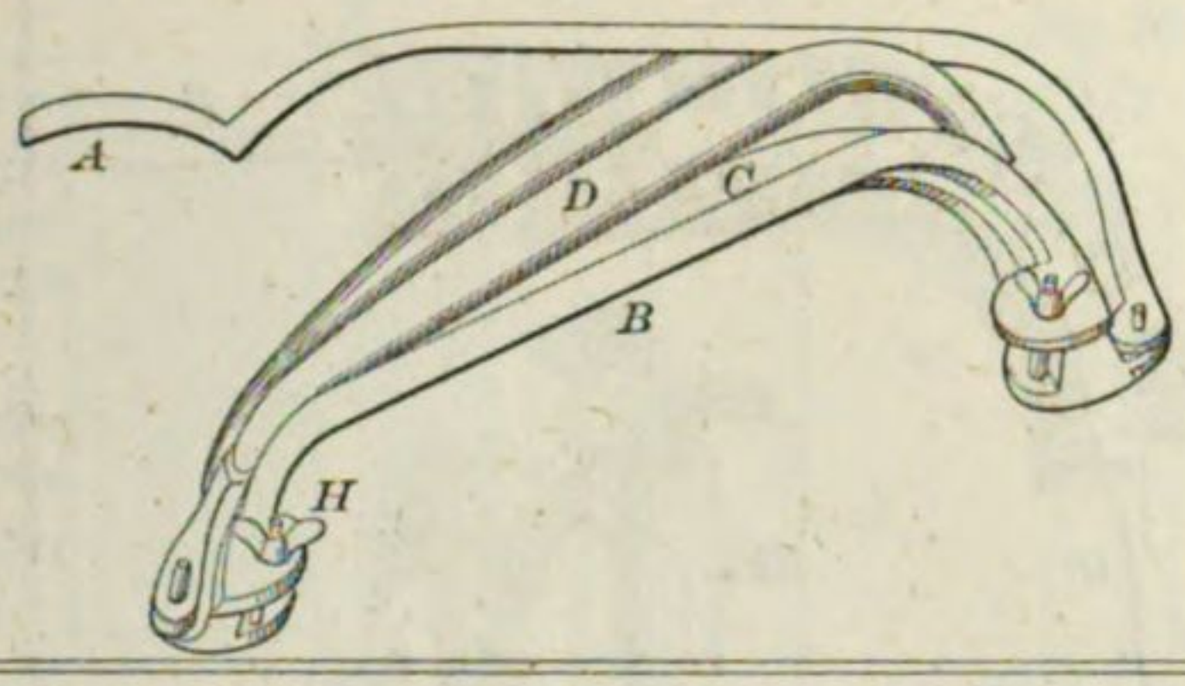
52823—N. B. Cooper—*Broom Head.*



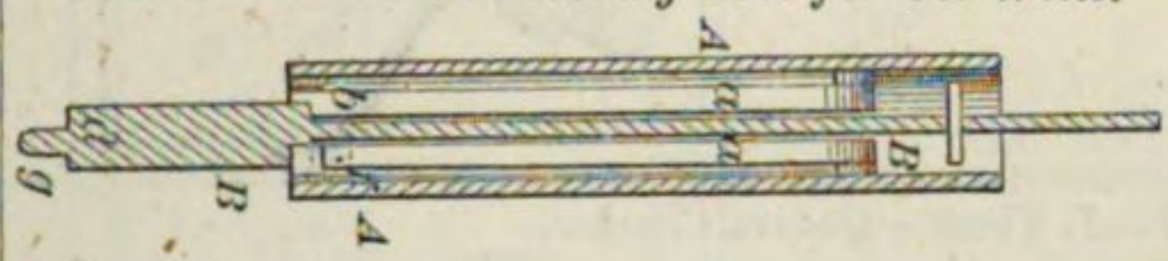
52824—J. E. Cronk—*Water Elevator.*



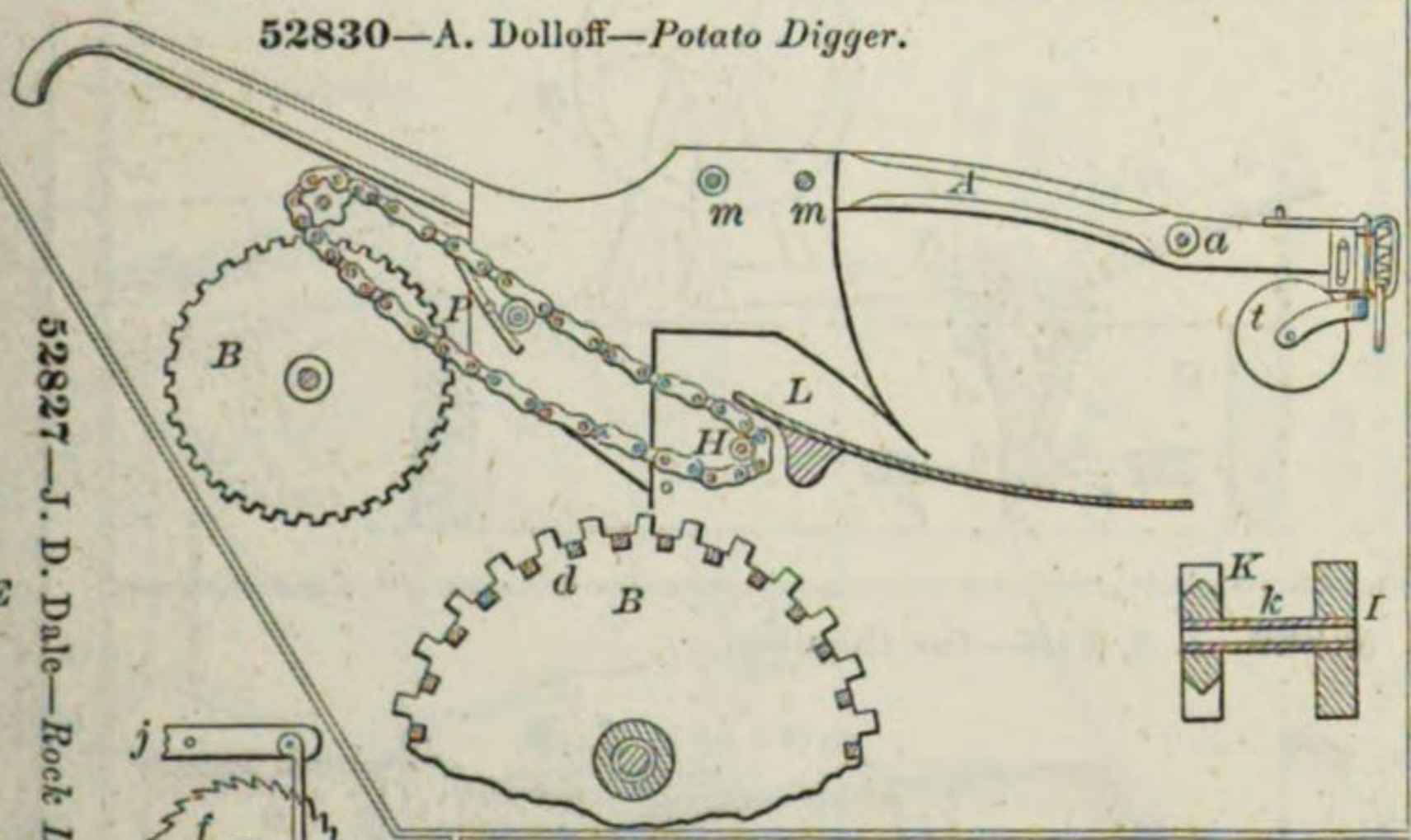
52826—F. Cunningham—*For Forming Horse Collars.*



52831—E. C. Dow—*Boring Tool for Oil Wells.*

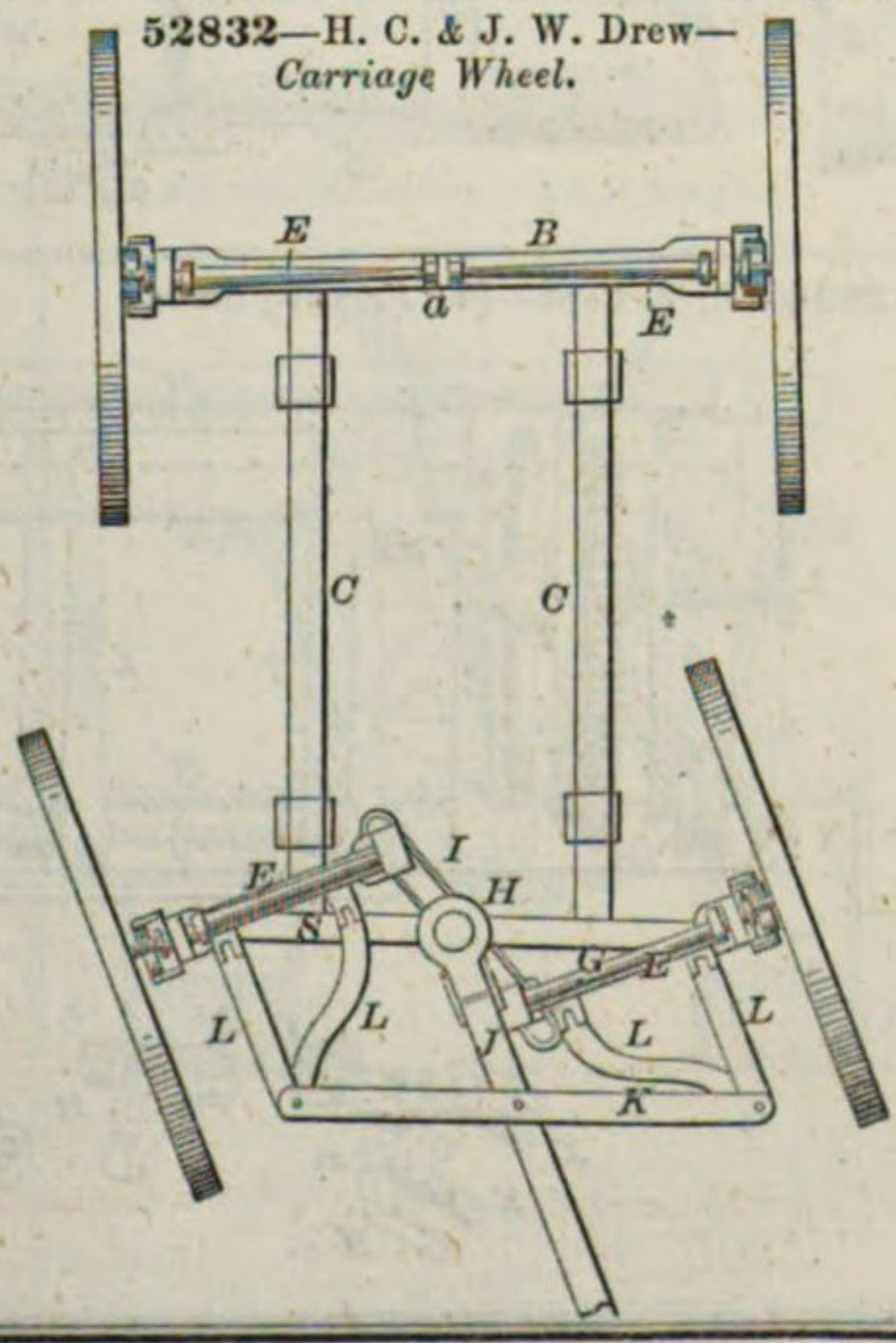


52830—A. Dolloff—*Potato Digger.*

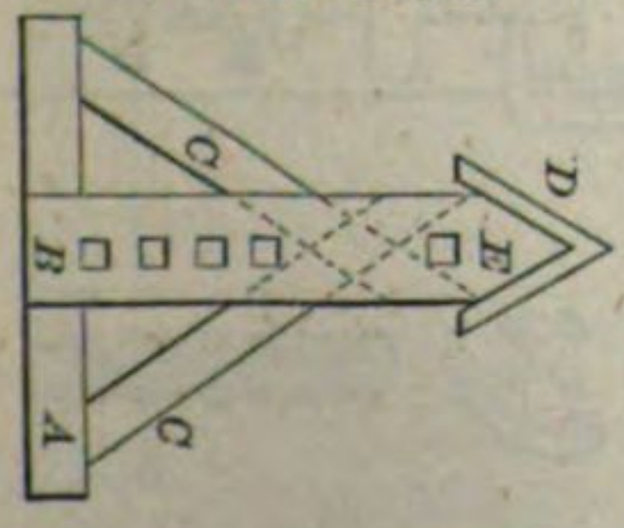


52827—J. D. Dale—*Rock Drill.*

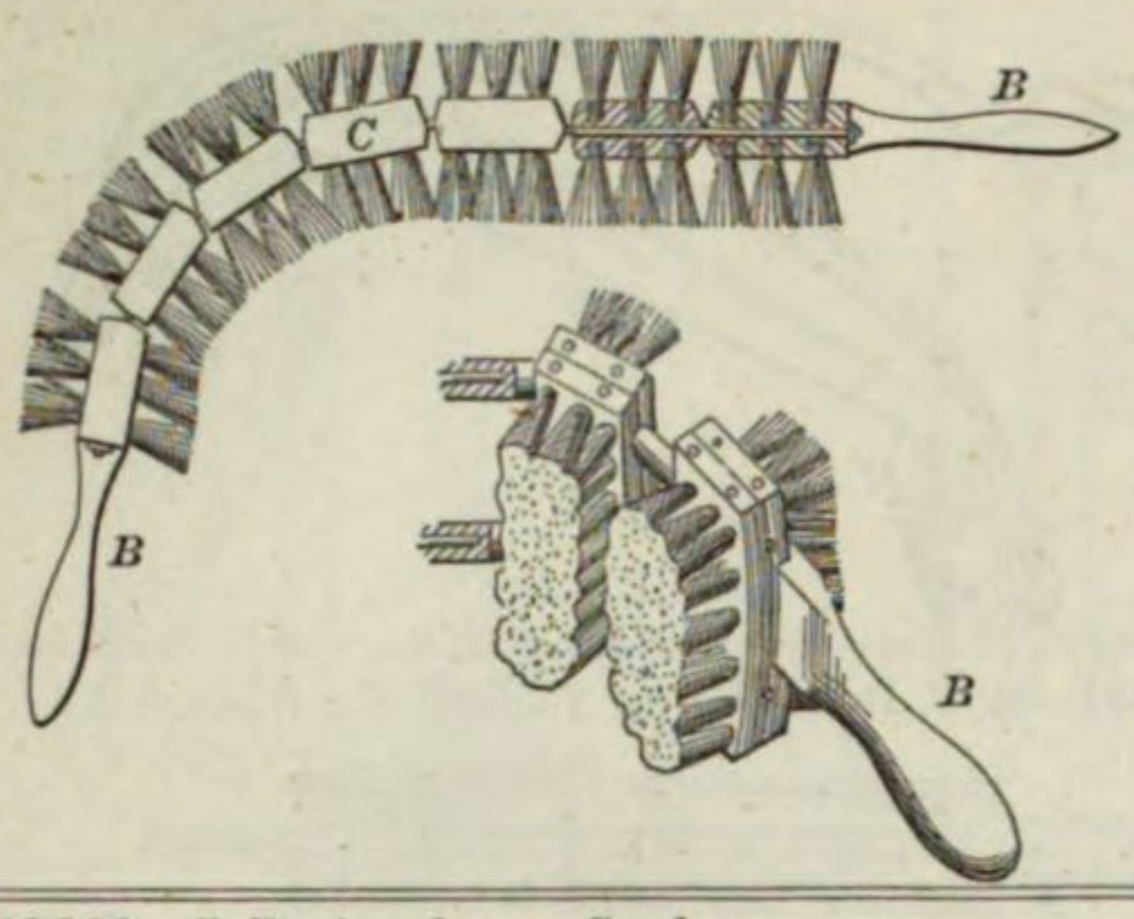
52832—H. C. & J. W. Drew—*Carriage Wheel.*



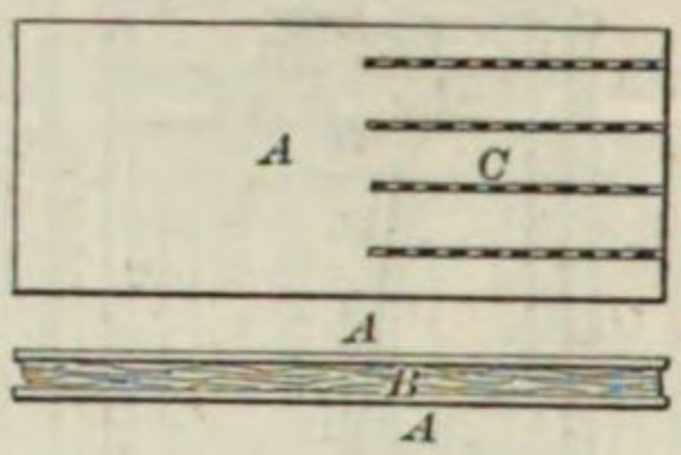
52828—M. Dickle—*Fence.*



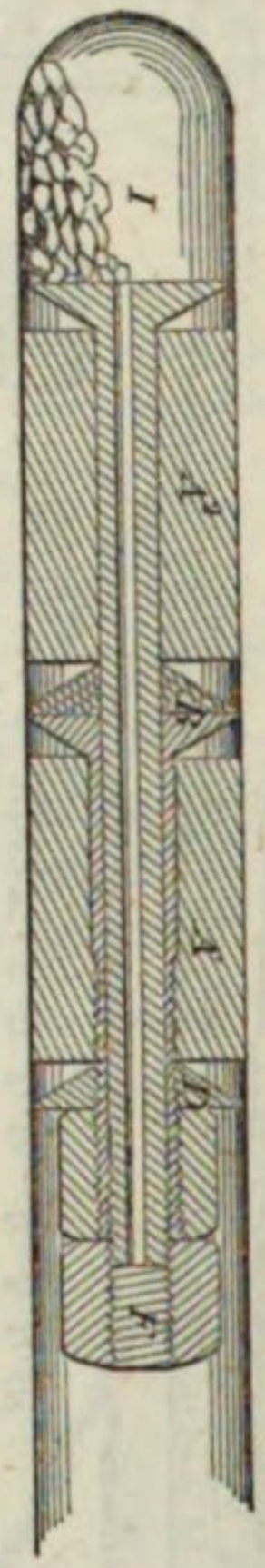
52833—R. N. Eagle—*Flexible Brush.*



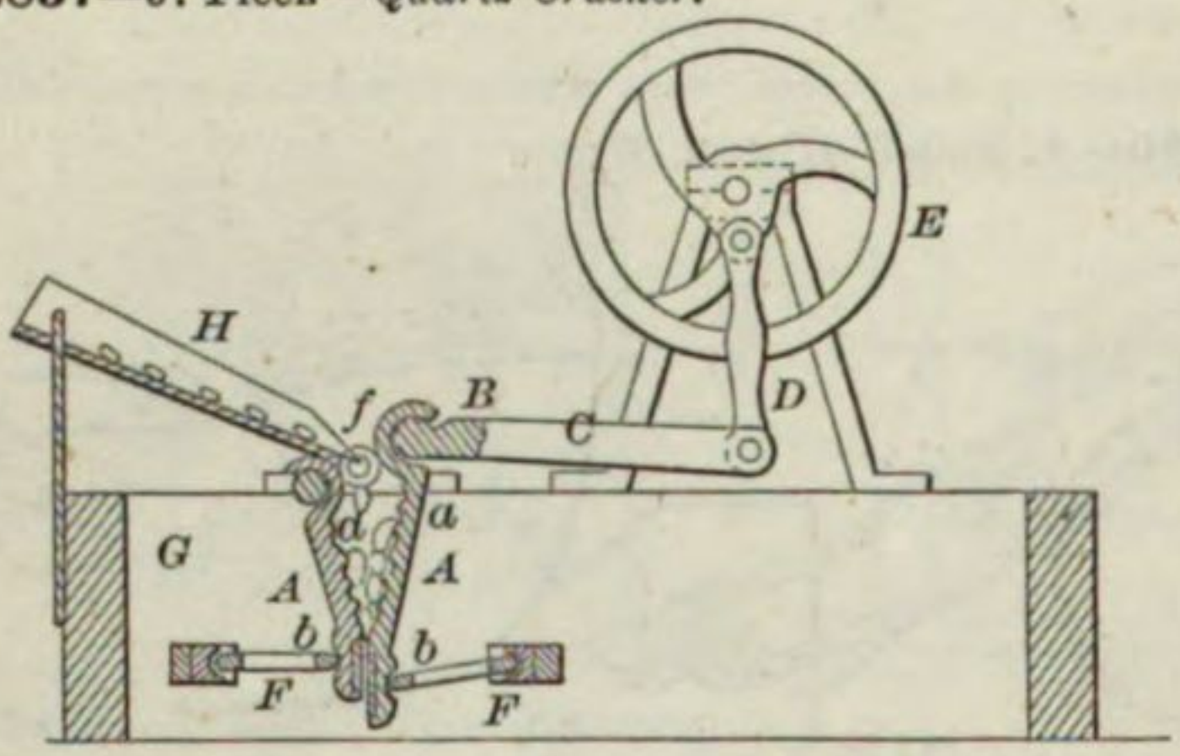
52835—J. F. Fales—*Carpet Lining.*



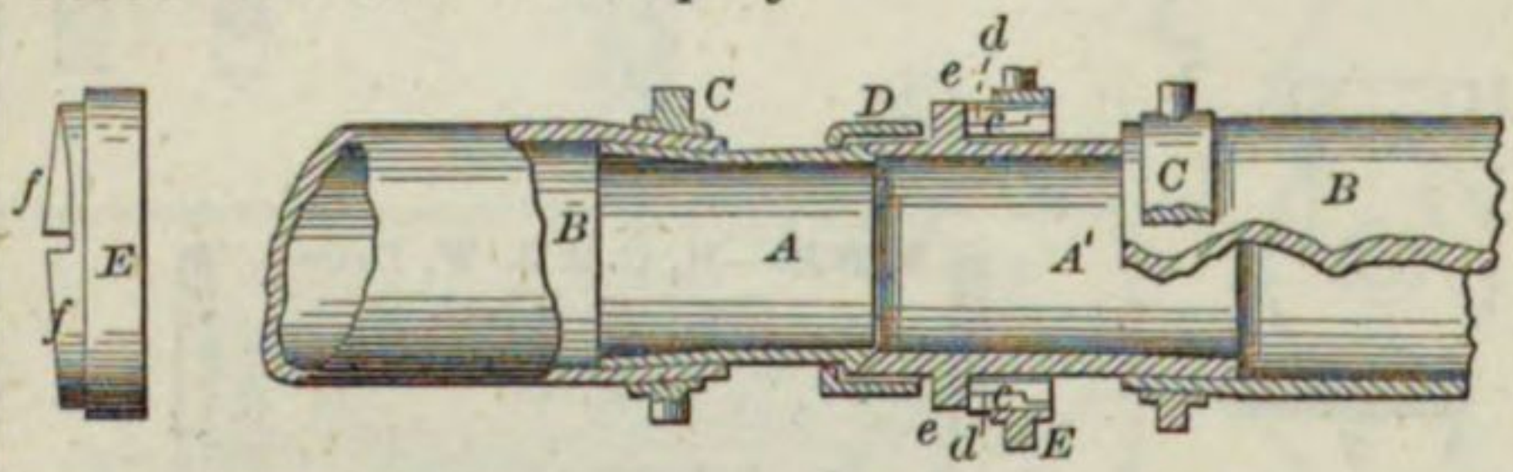
52836—G. H. Felt—*Plug for Blasting.*



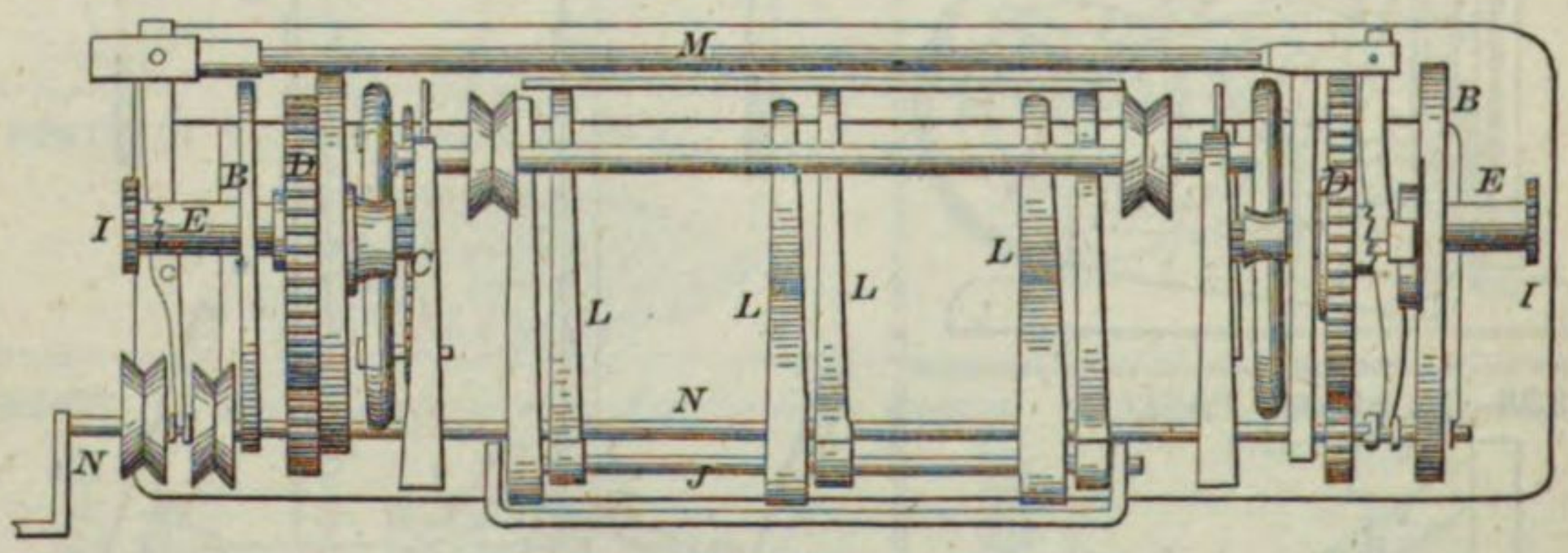
52837—J. Fleck—*Quartz Crusher.*

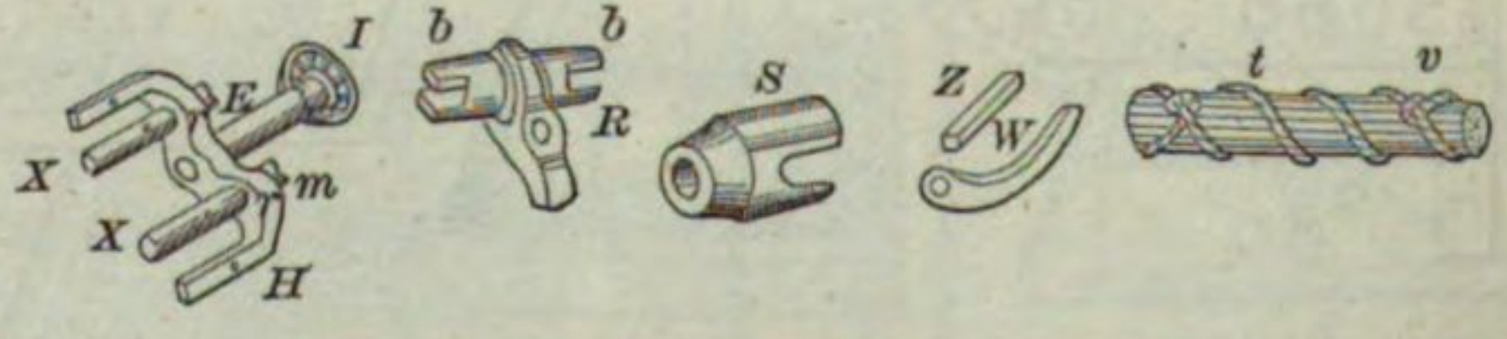


52839—J. E. Ford—*Car Coupling.*

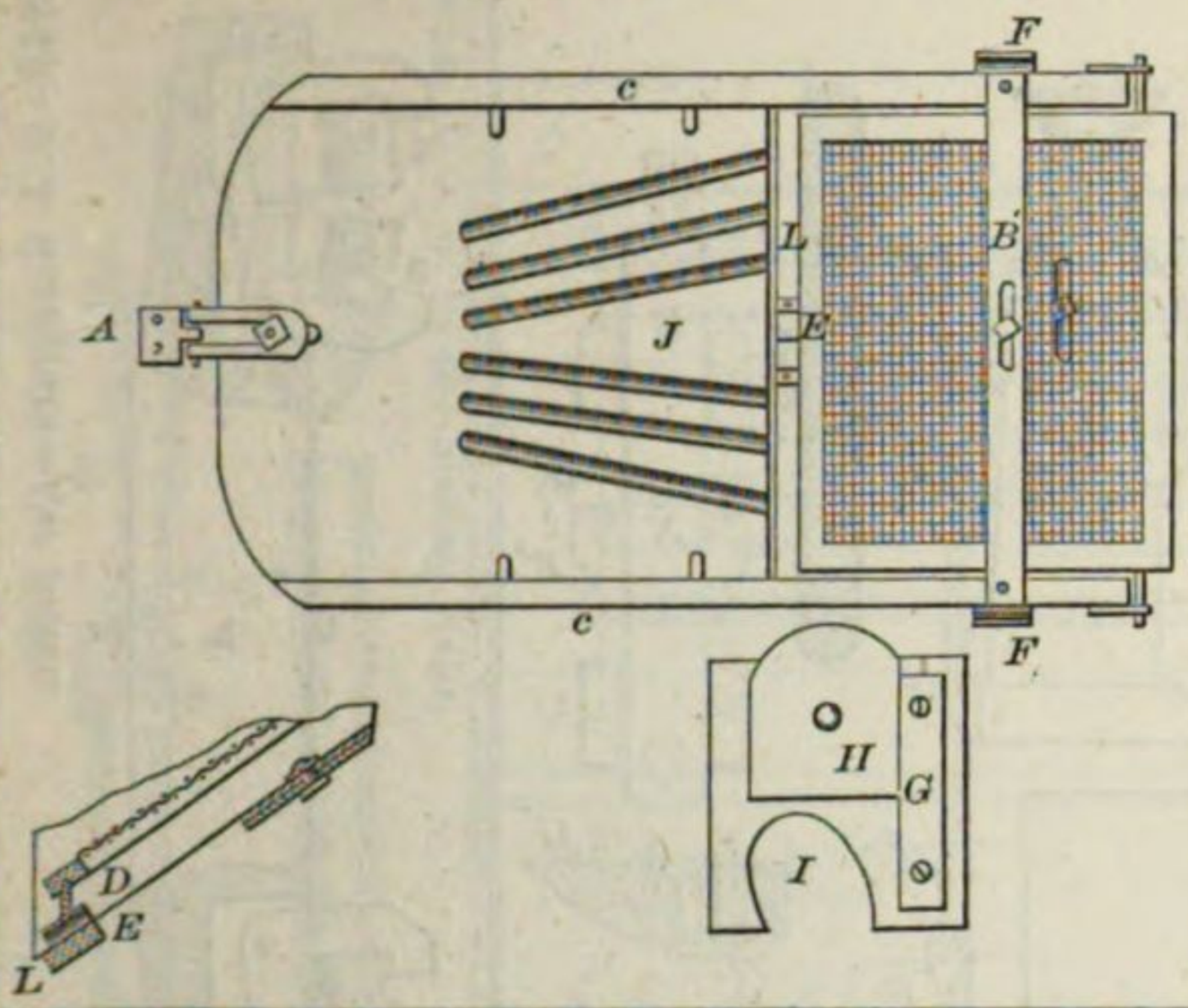


52838—E. T. Ford—*For Pressing Straw.*

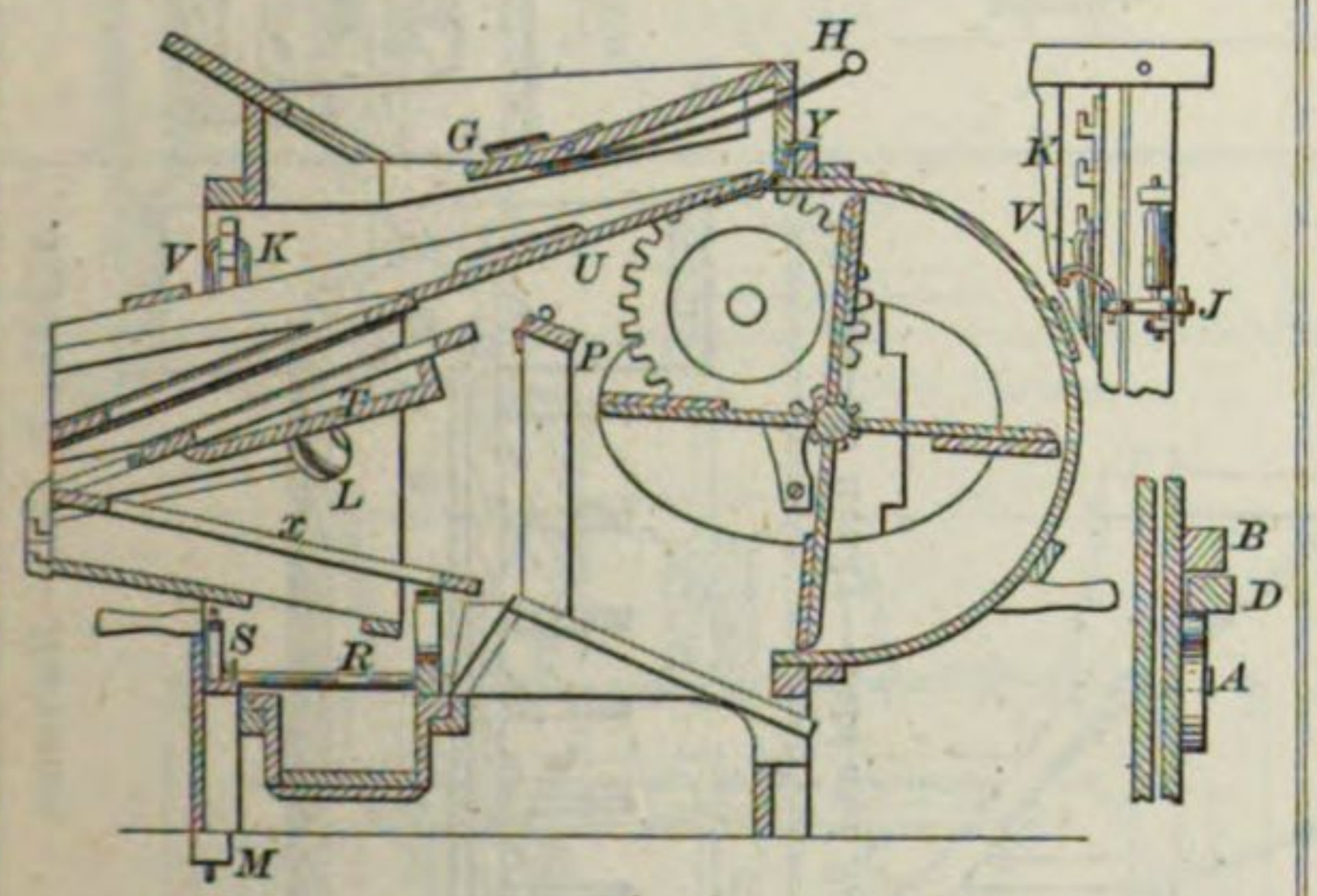




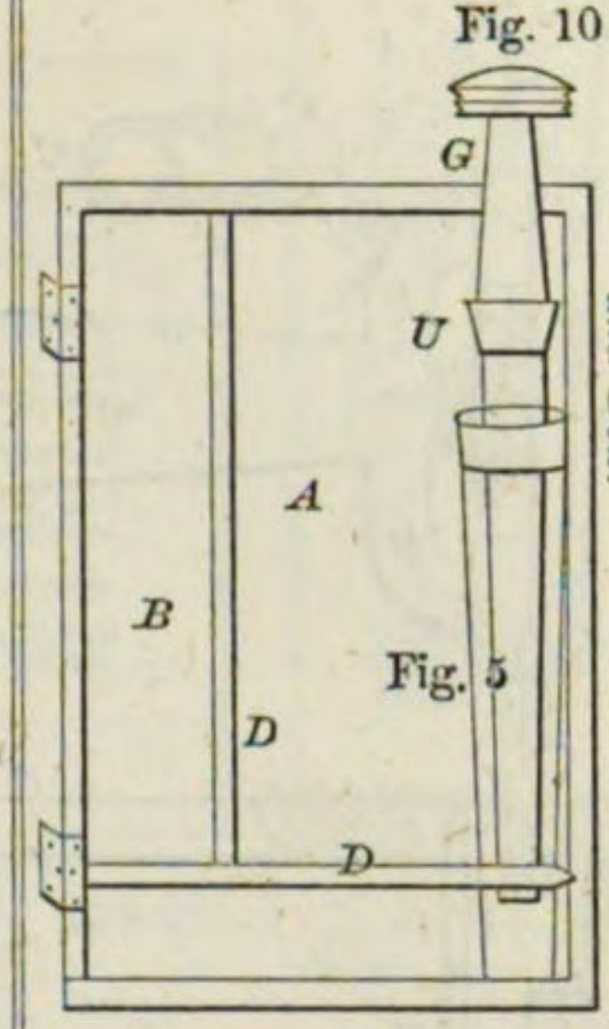
52840—J. W. Free—*Fanning Mill.*



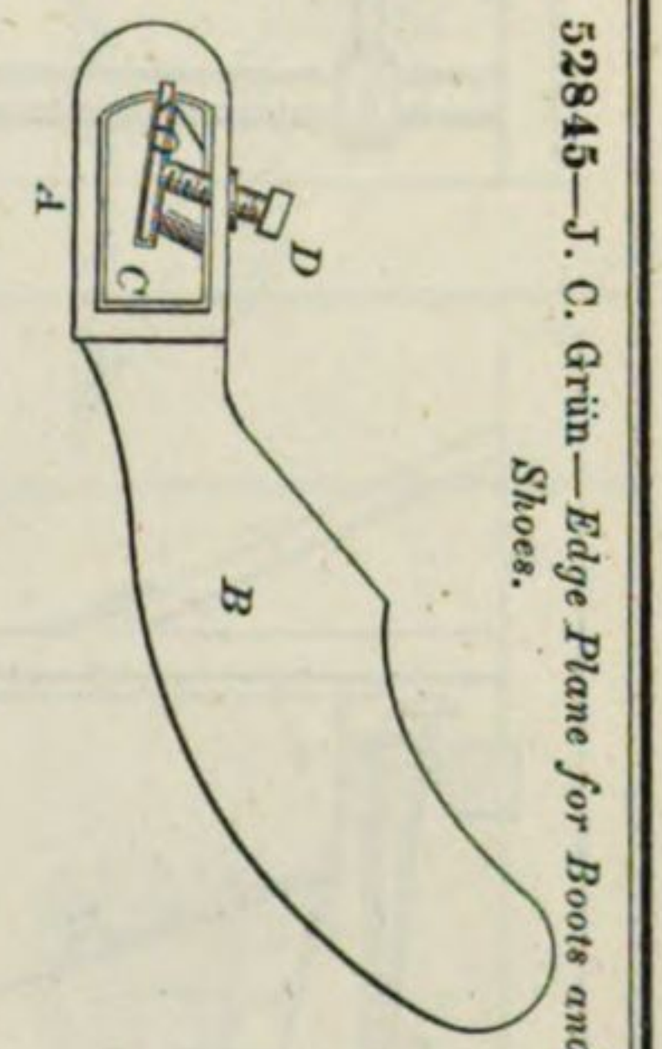
52841—J. W. Free—*Grain Separator.*



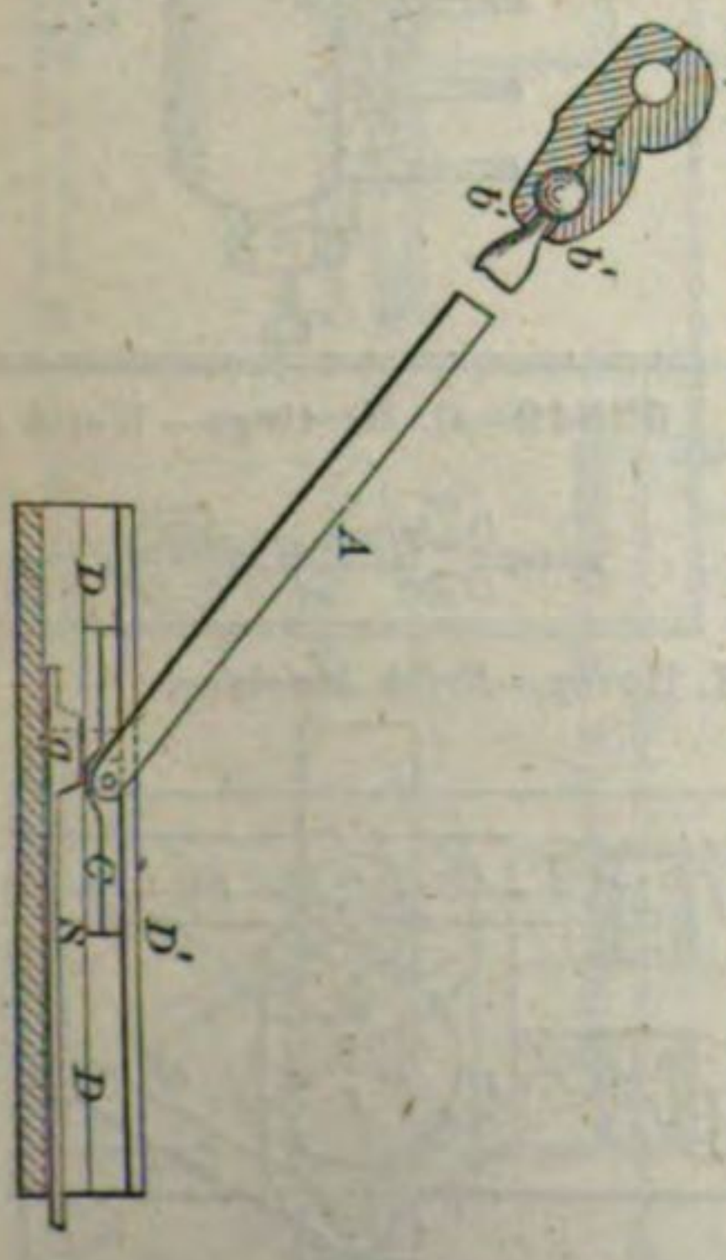
52842—N. T. & S. B. Gassette—*Cigarette Mould and Box.*



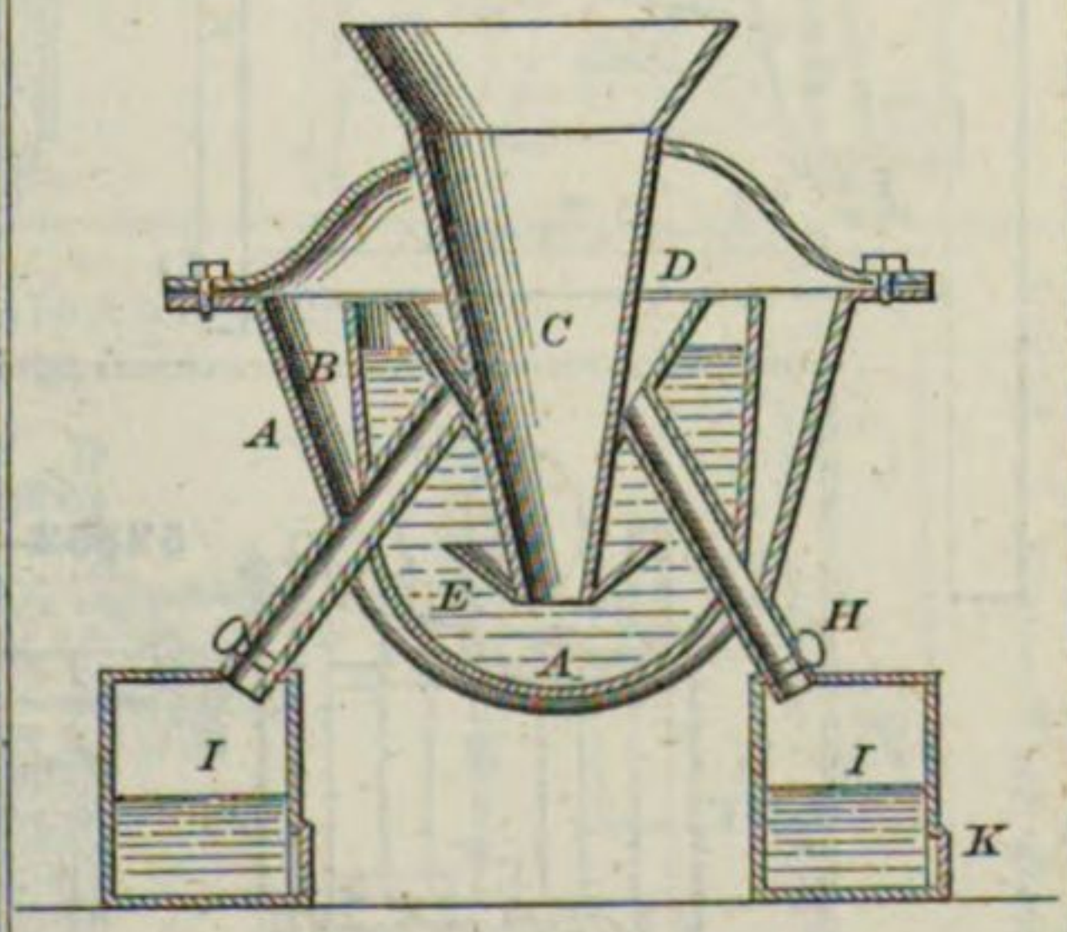
52845—J. C. Grün—*Edge Plane for Boots and Shoes.*



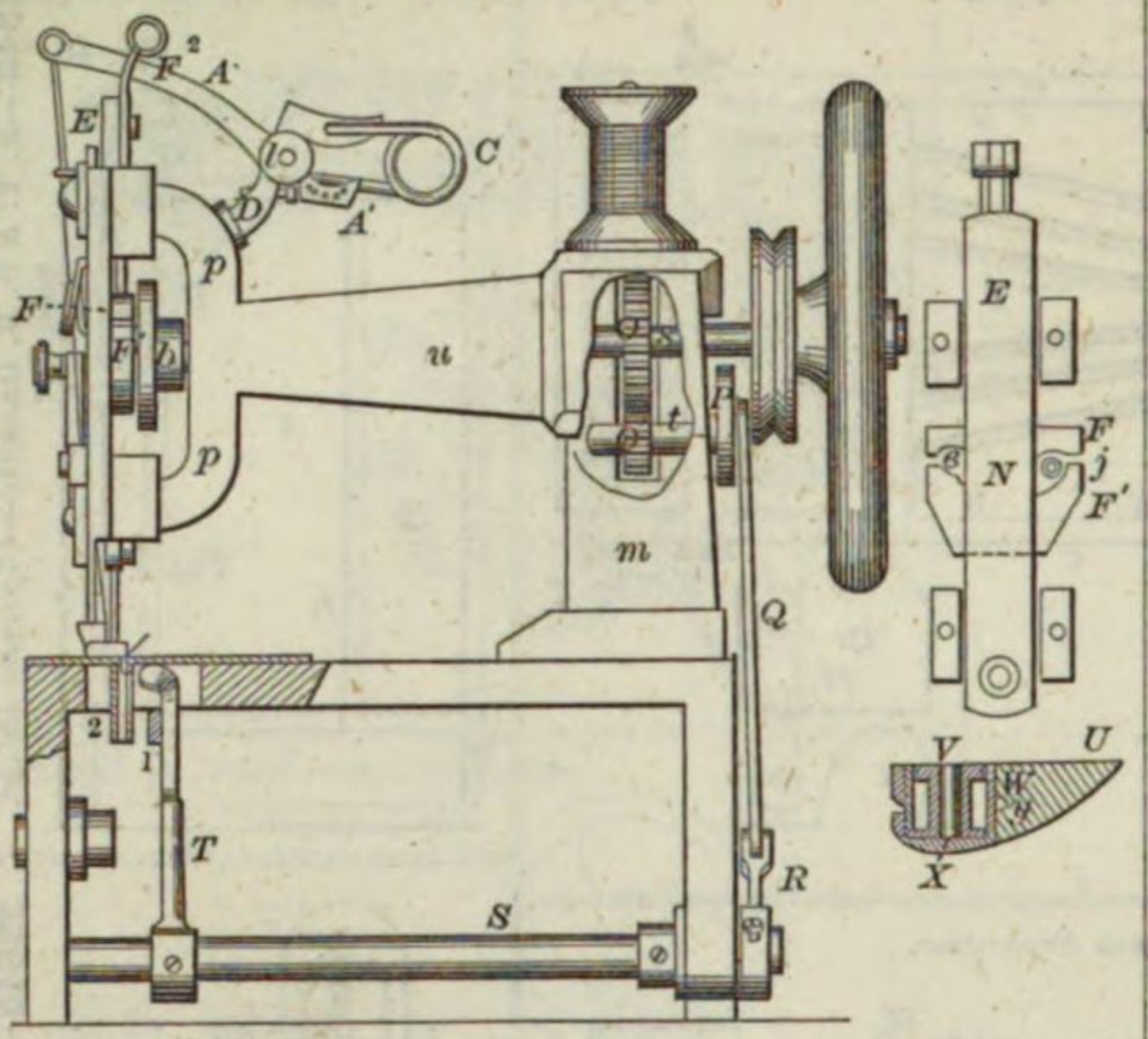
52843—D. D. Gitt—*Harvester.*



52846—E. Hamilton—*Amalgamator.*

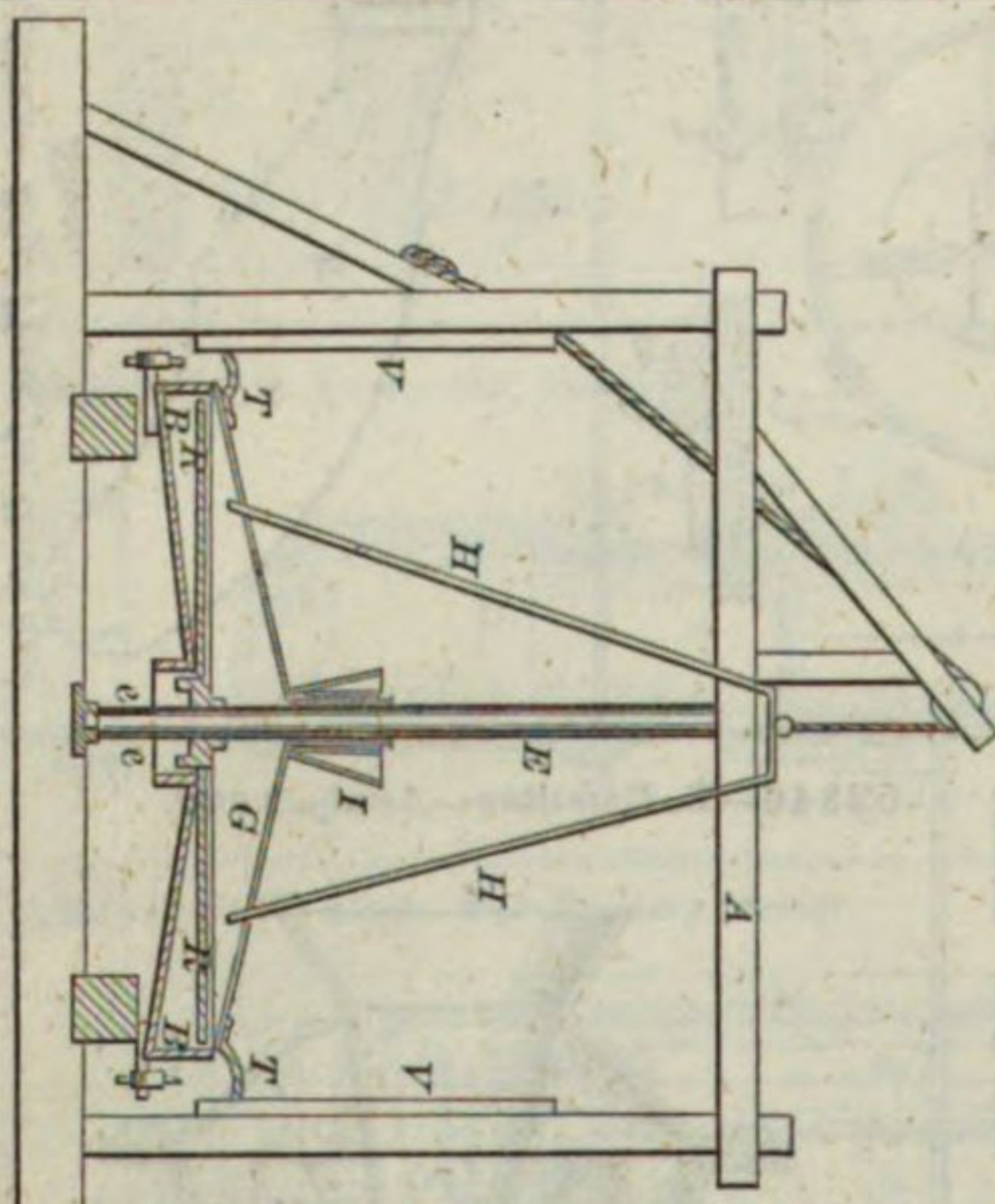


52847—J. Hanlon—*Sewing Machine.*

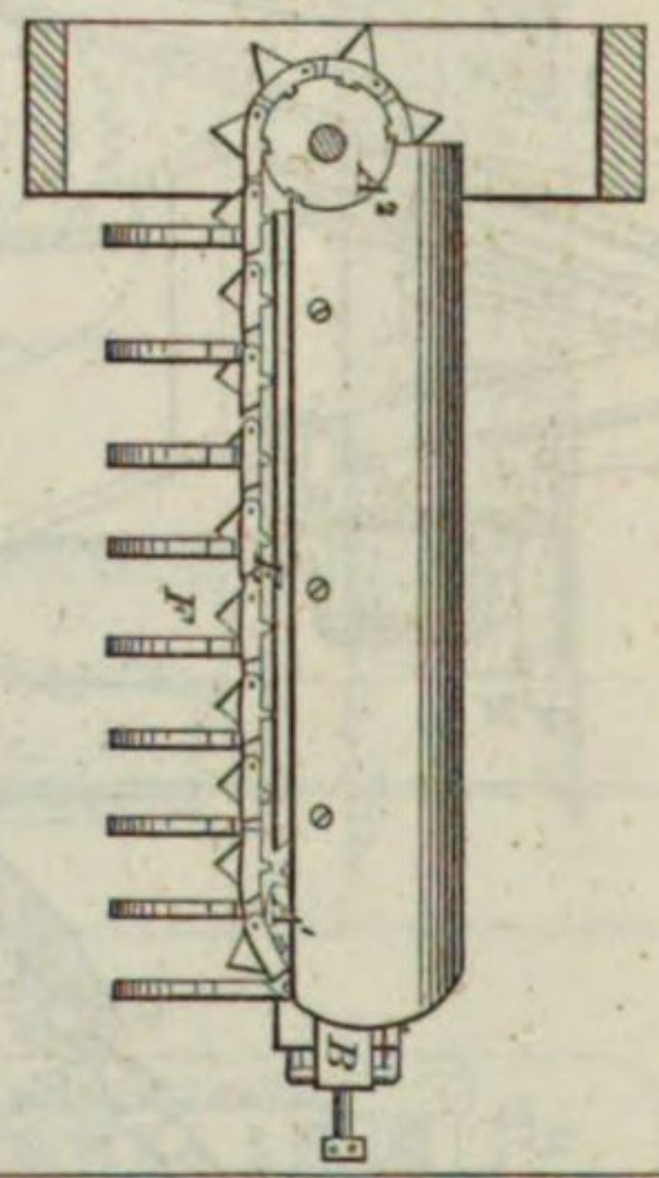


52848—O. J. Hardgrove—*Car Brake.*

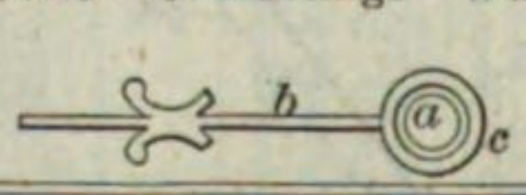
52850—J. Hendy—*Gold and Silver Washing.*



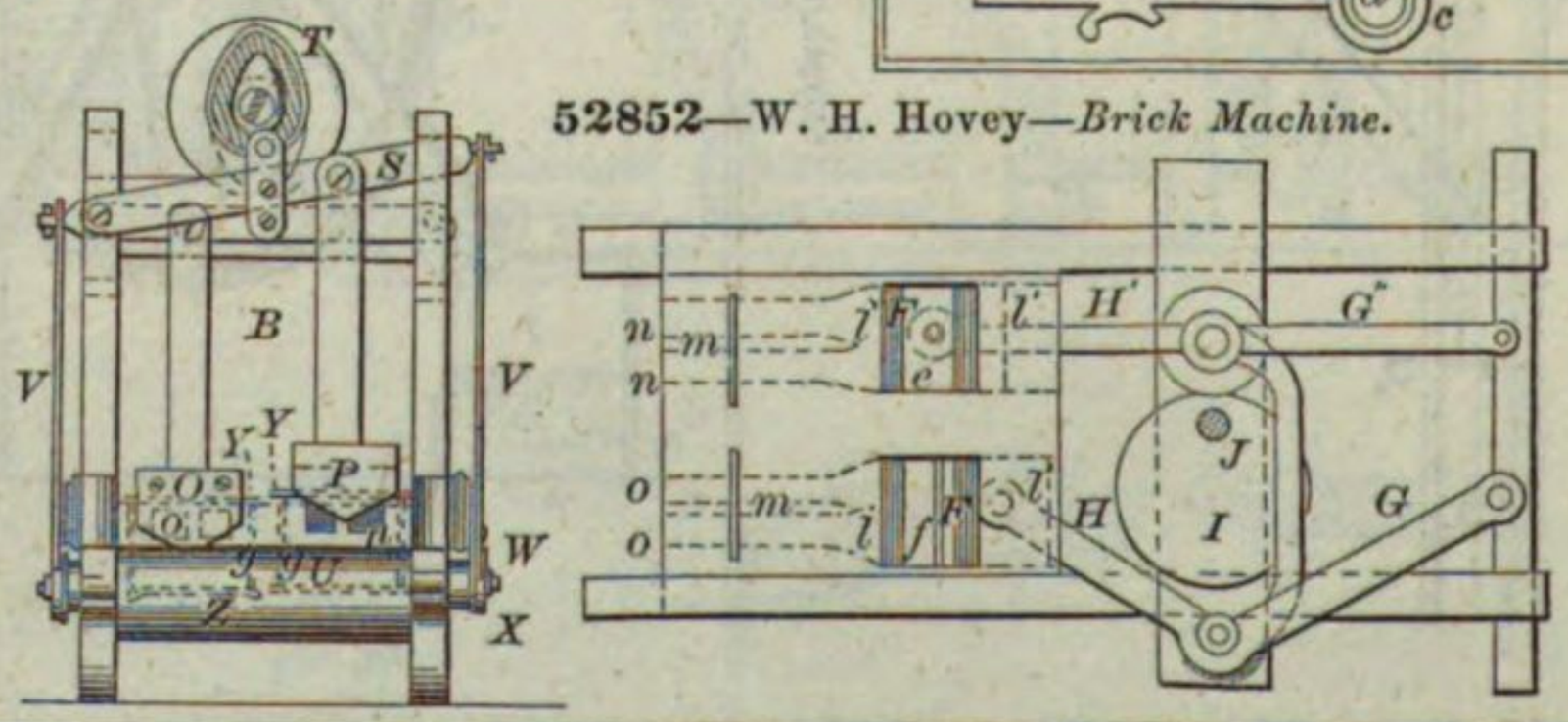
52851—B. Hess—*Harvester.*



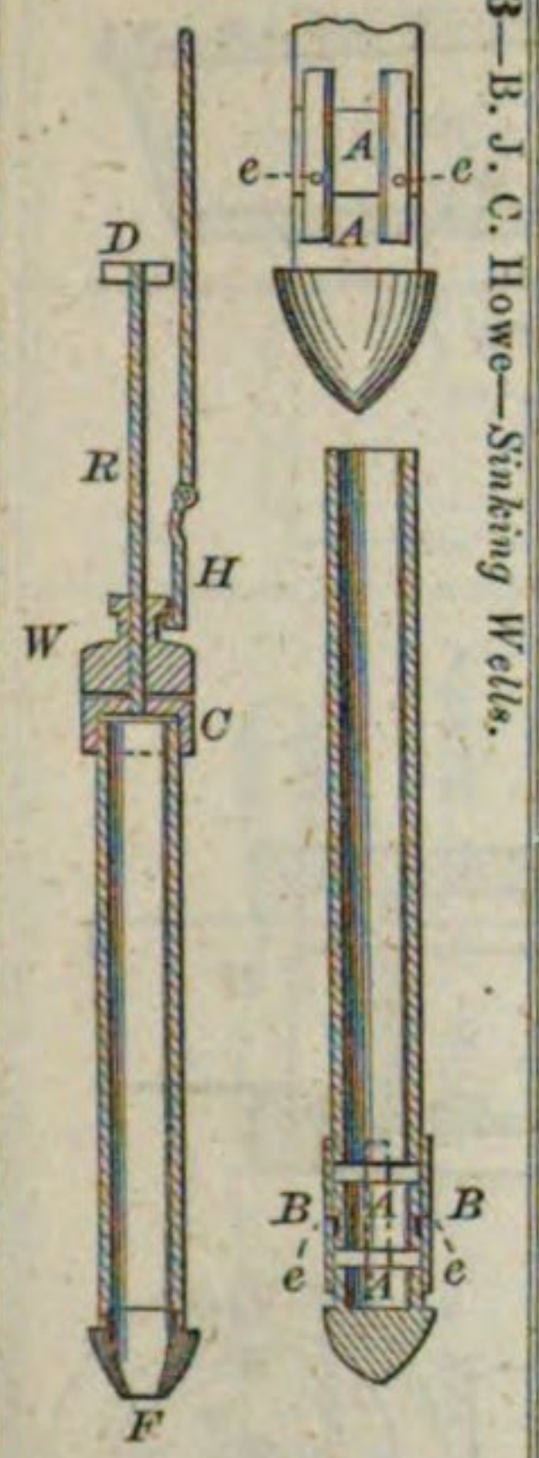
52849—G. Hastings—*Watch Hand.*



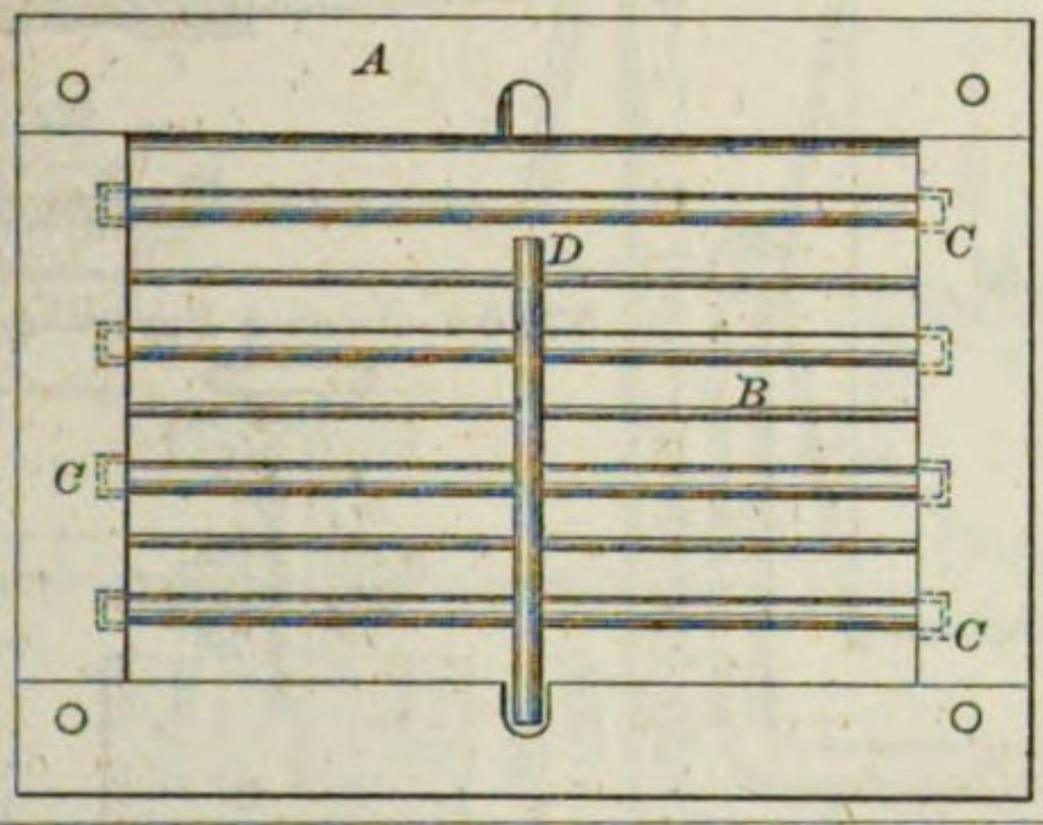
52852—W. H. Hovey—*Brick Machine.*



52853—B. J. C. Howe—*Sinking Wells.*

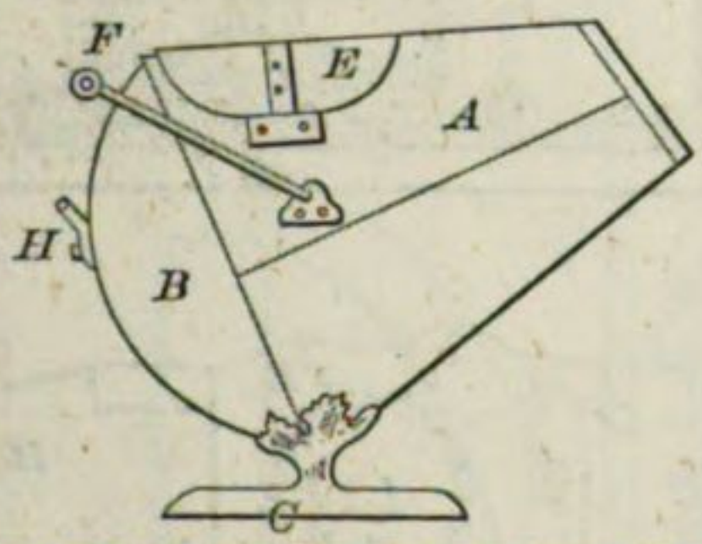


52854—E. B. Hungerford—*Window Blind.*



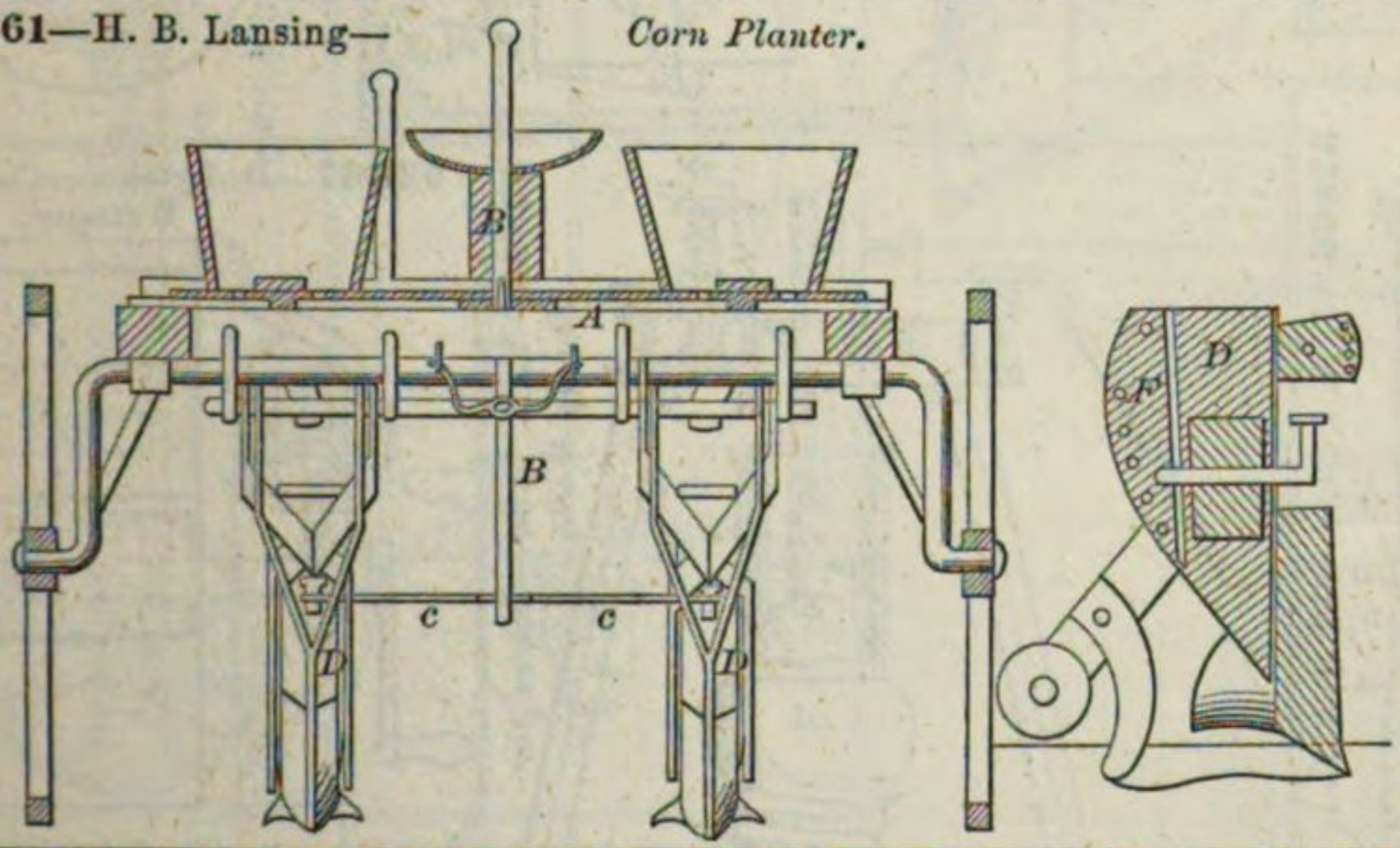
52859—J. S. Kingsland—*Car Wheel.*

52856—E. A. Jeffery—*Coal Hod.*

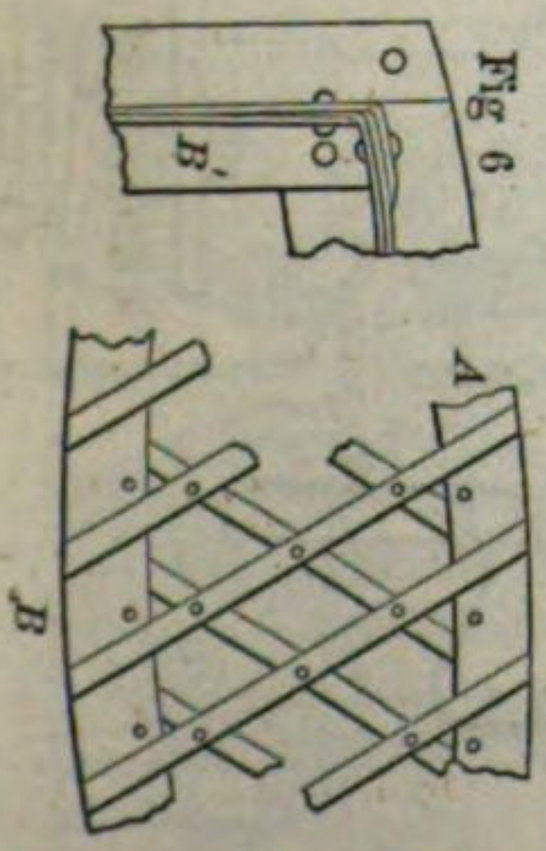


52857—A. D. Judd—*Tassel Hook.*

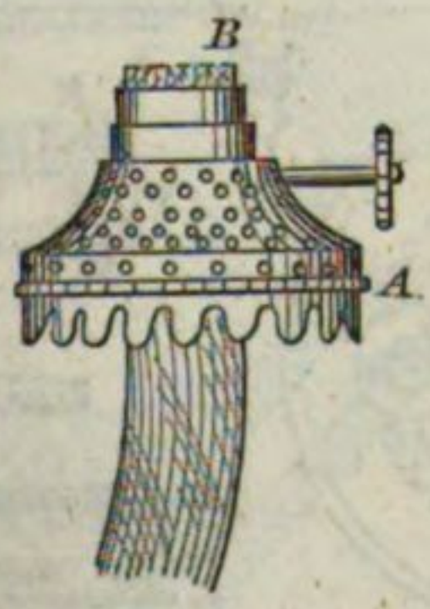
52861—H. B. Lansing—*Corn Planter.*



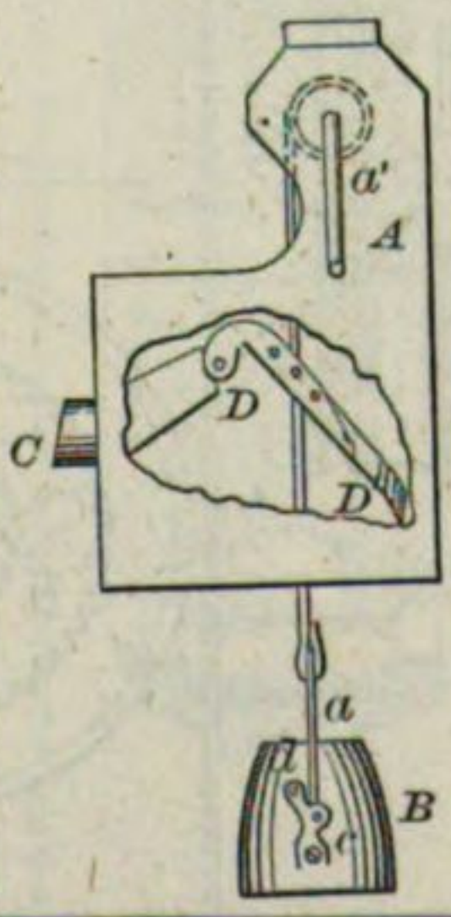
52860—M. Kremser—*Bridge.*



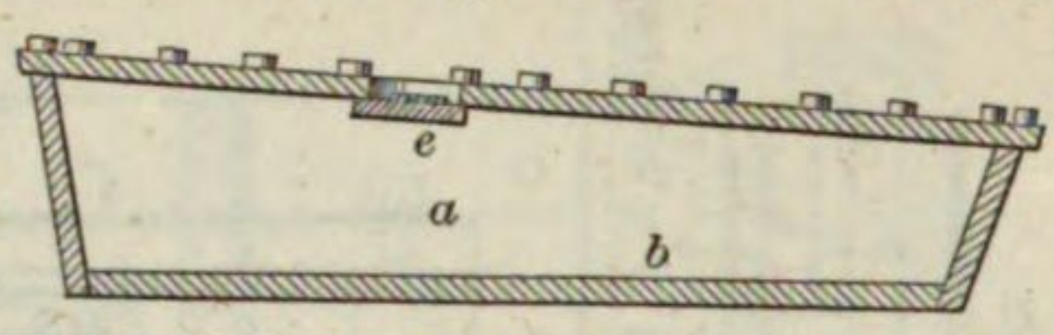
52862—Le Count & Chard—*Lamp Wick.*



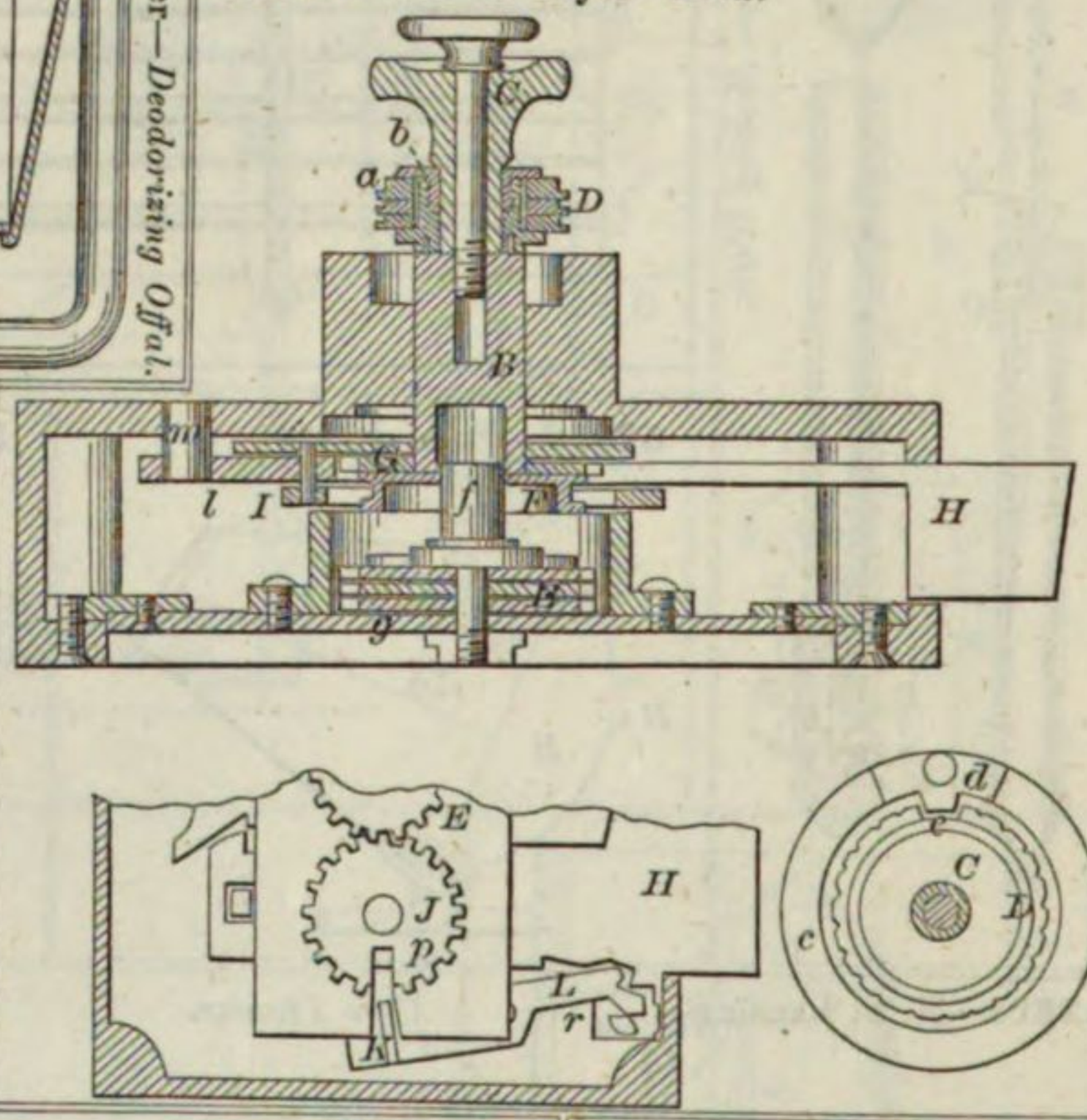
52858—L. King—*Water Drawer.*



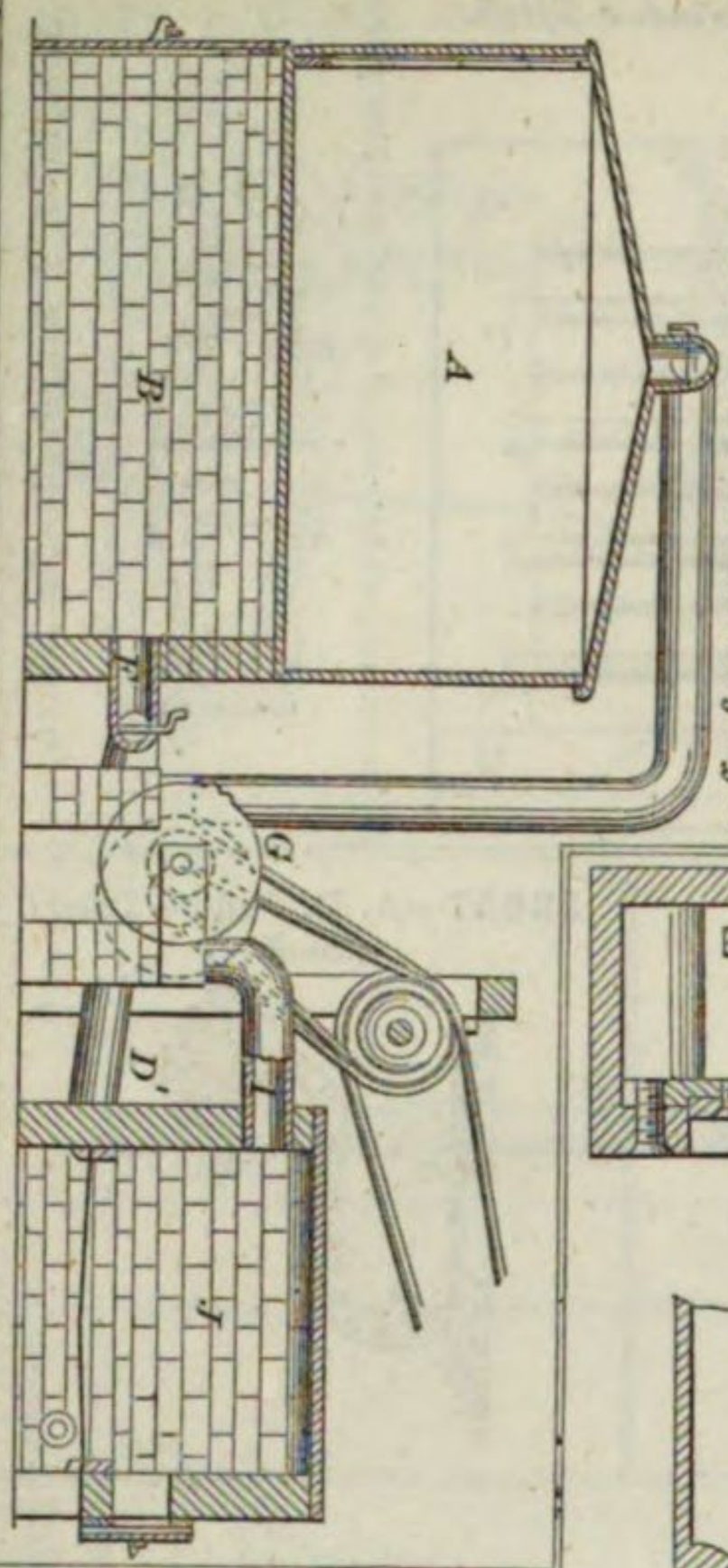
52865—Lovett, Wippich & Wood—*Burial Case.*



52864—Loch & Bayer—*Lock.*

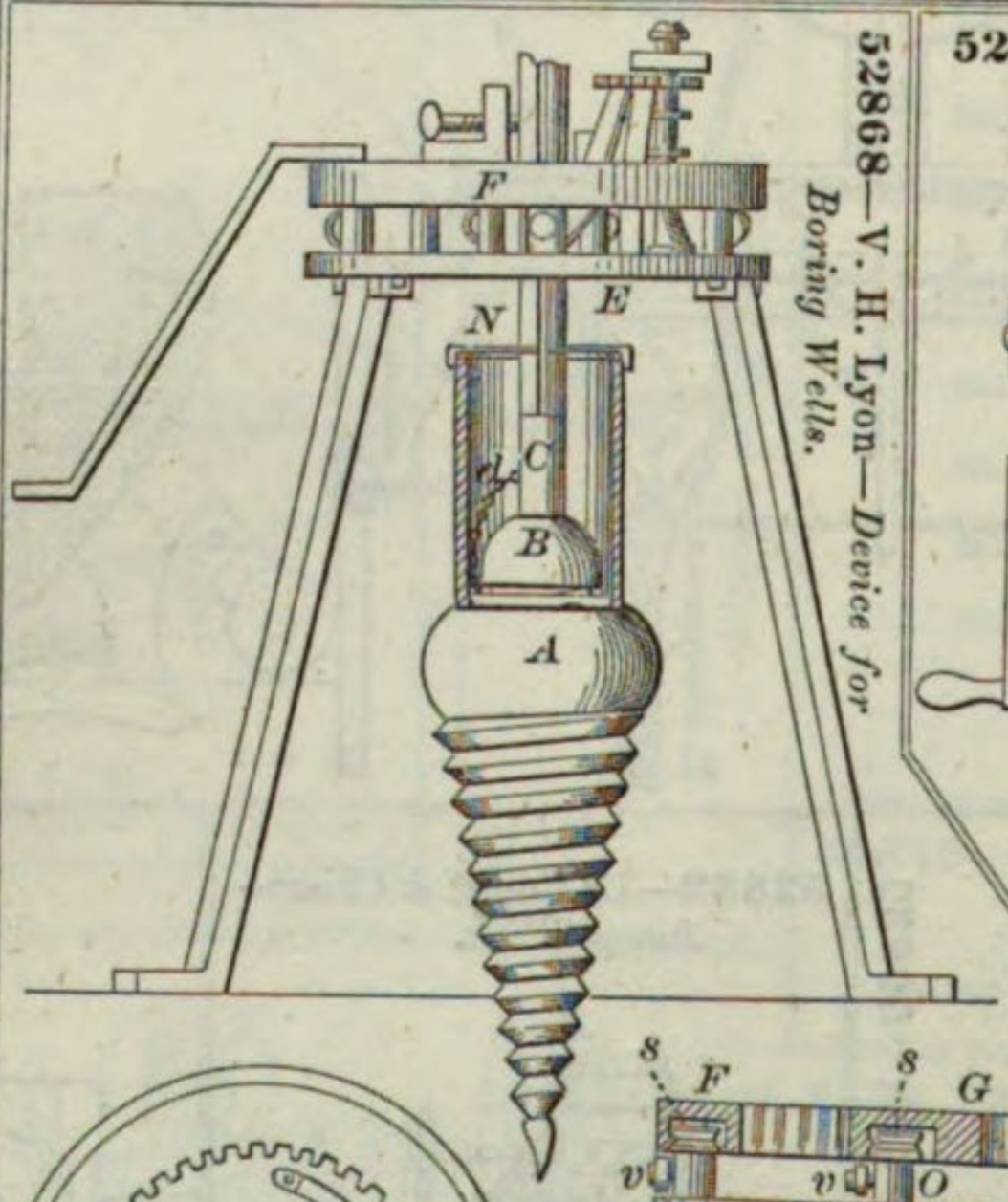


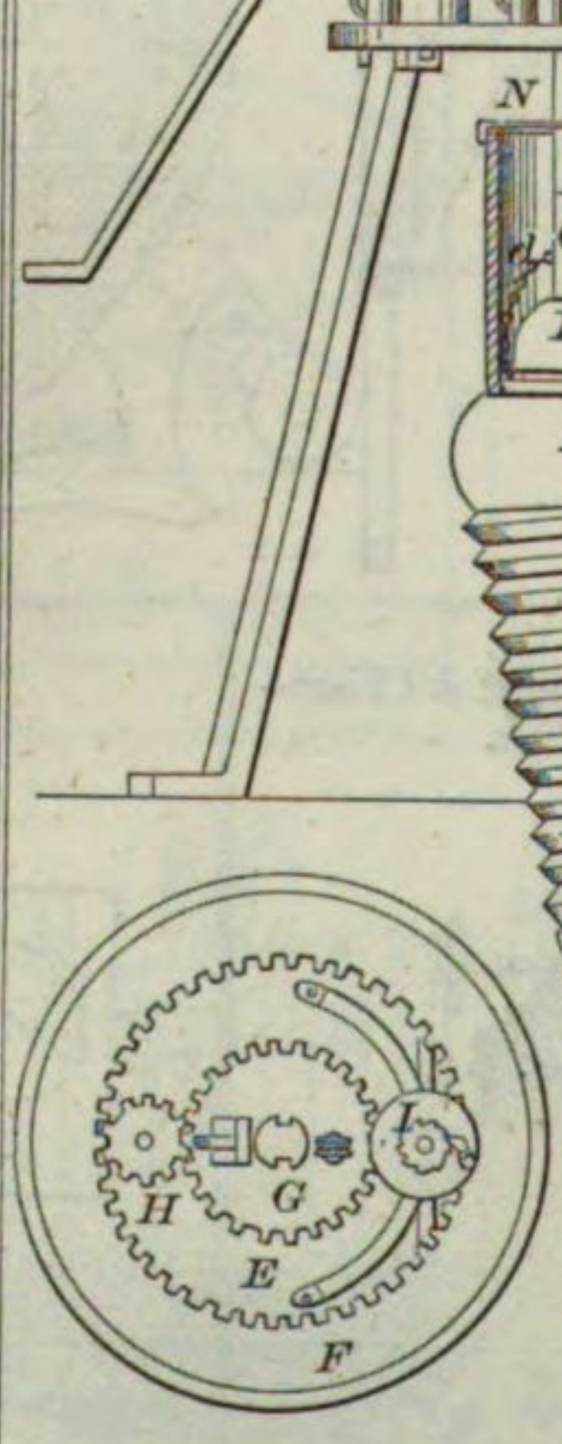
52863—A. & E. Lister—*Deodorizing Offal.*

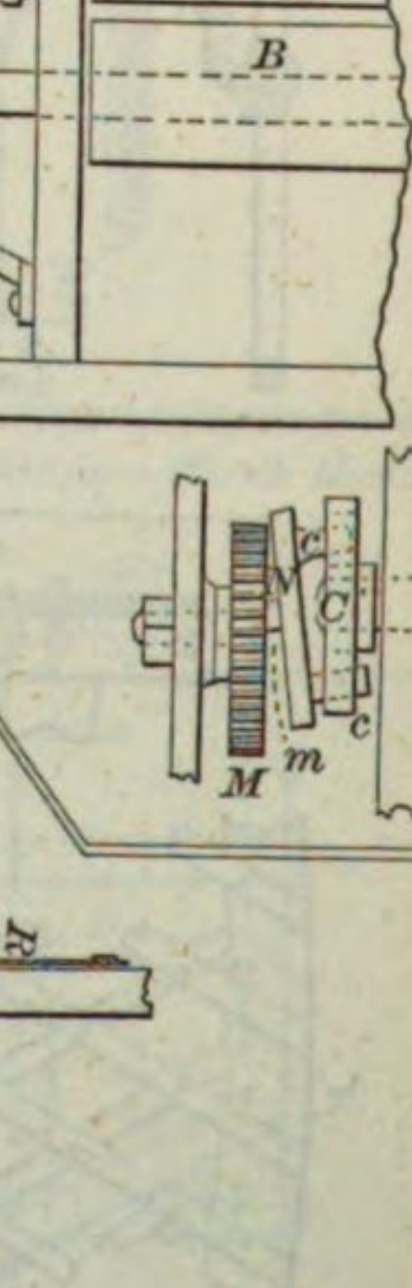


52866—J. H. Luther—*Oil Well Tube Extractor.*

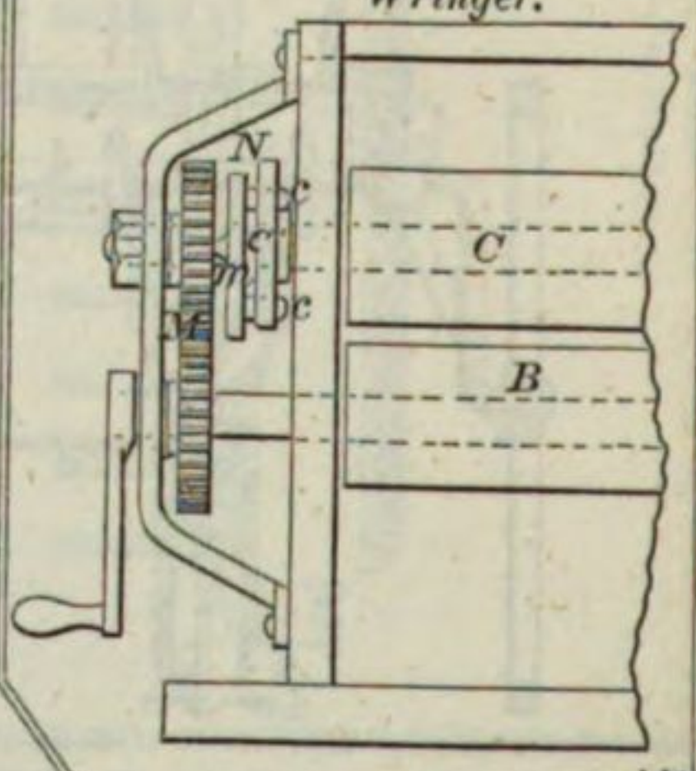
52868—V. H. Lyon—*Device for Boring Wells.*

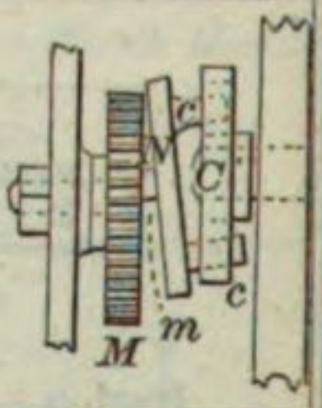


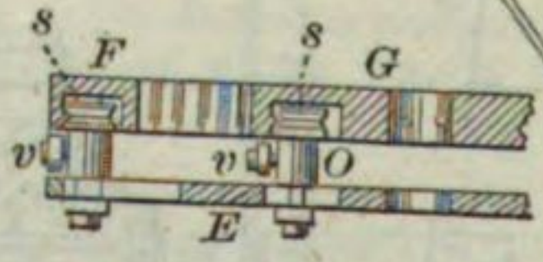


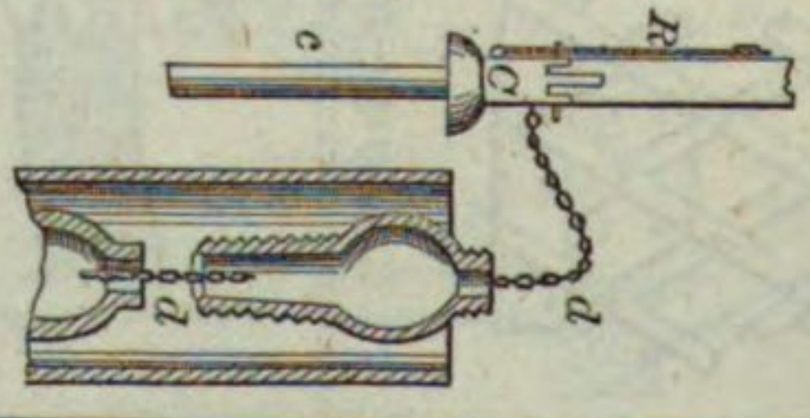


52867—D. Lyman—*Clothes Wringer.*

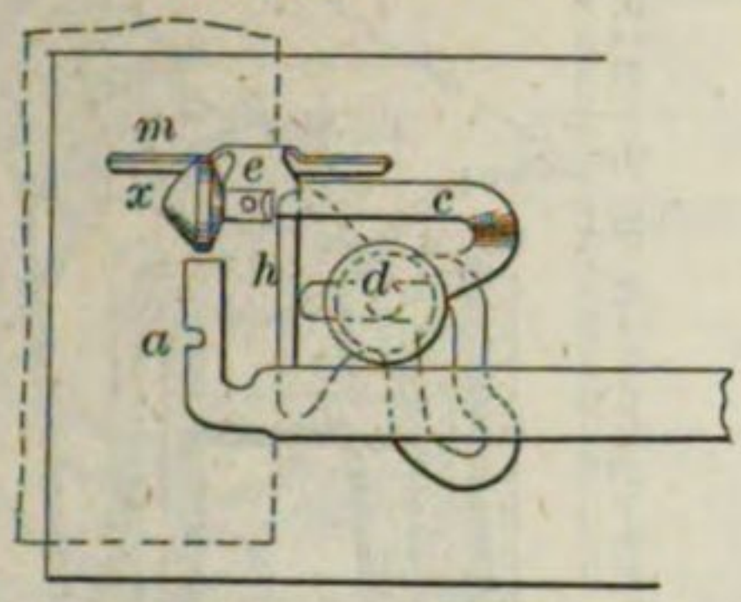




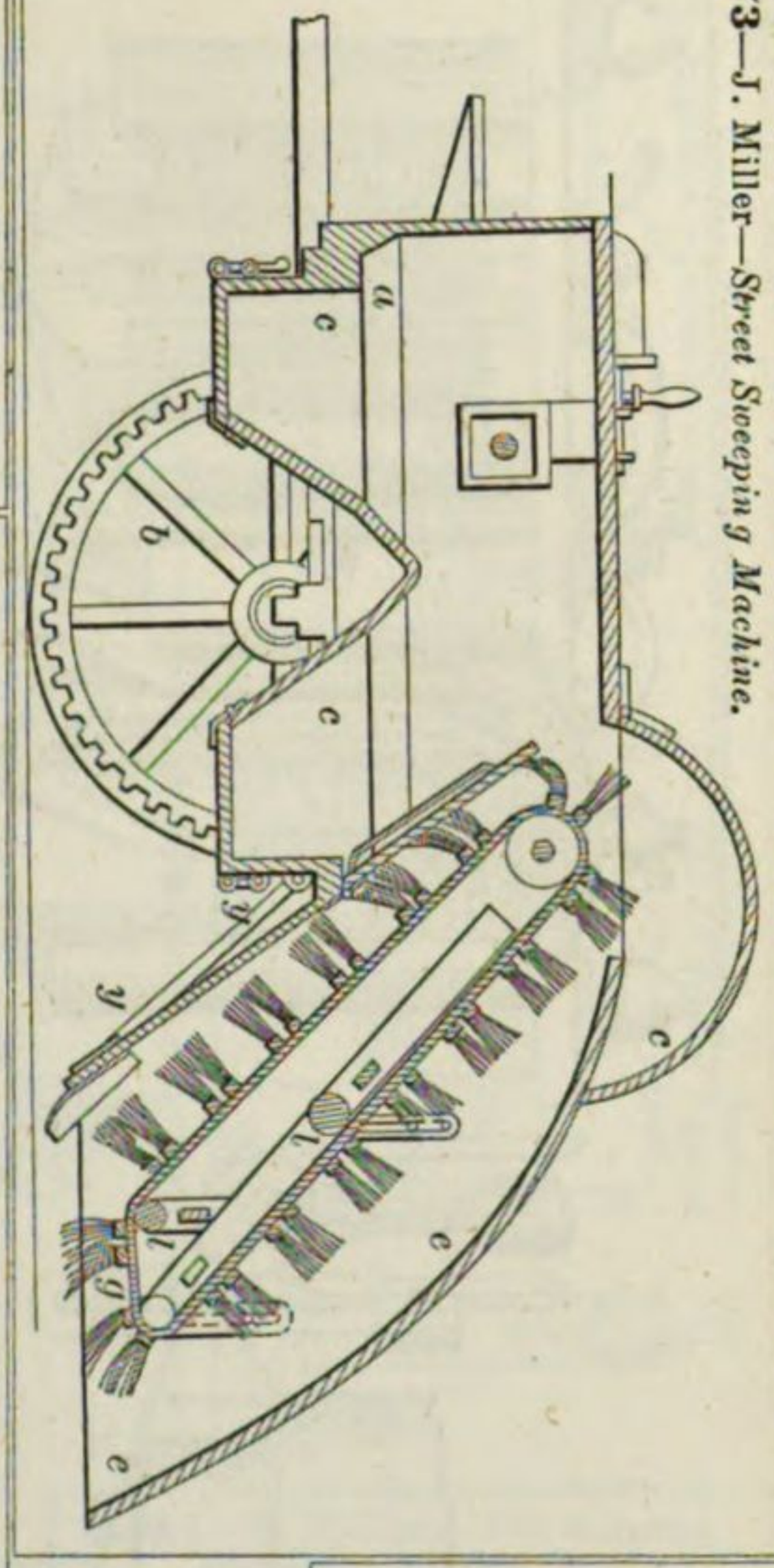




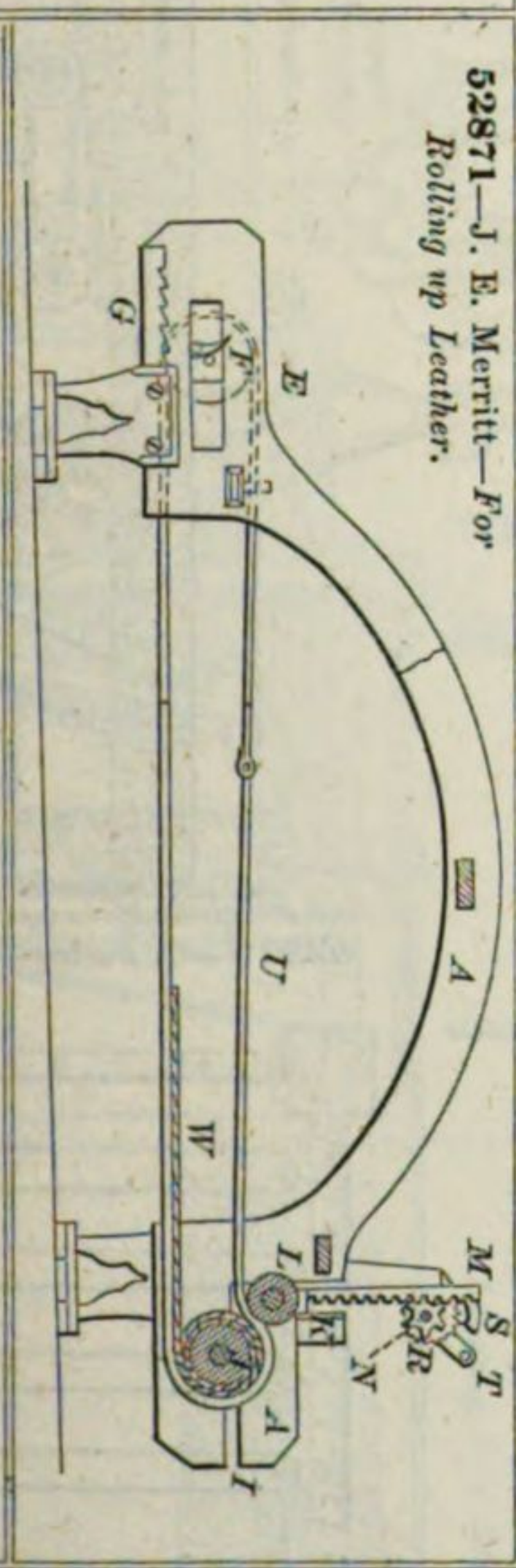
52870—J. S. McCurdy—*Guide for Sewing Machines.*



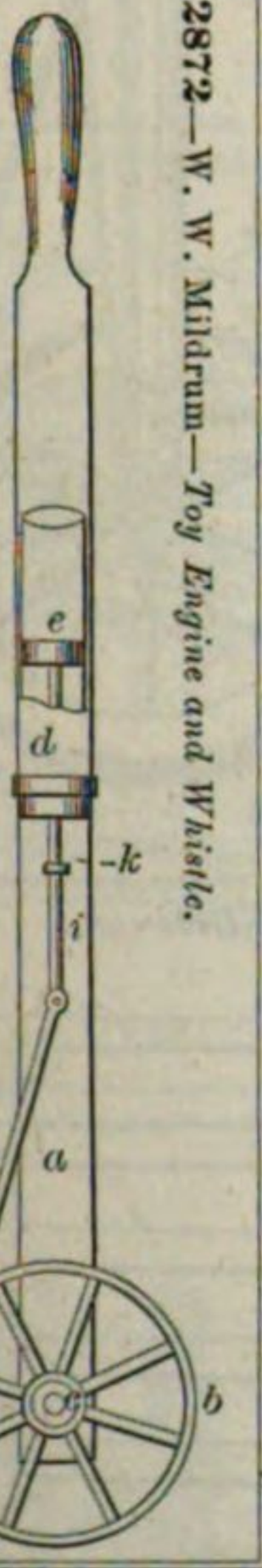
52873—J. Miller—*Street Sweeping Machine.*



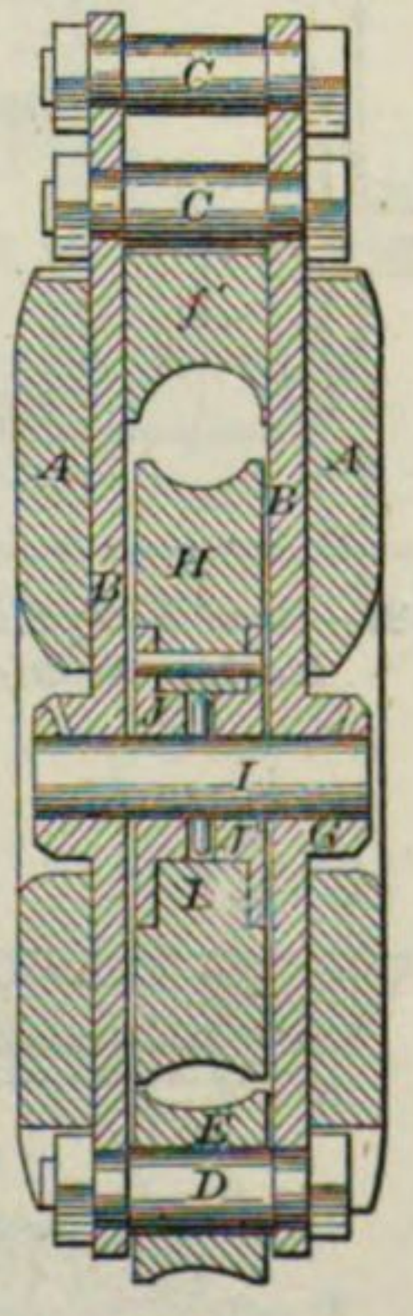
52871—J. E. Merritt—*For Rolling up Leather.*



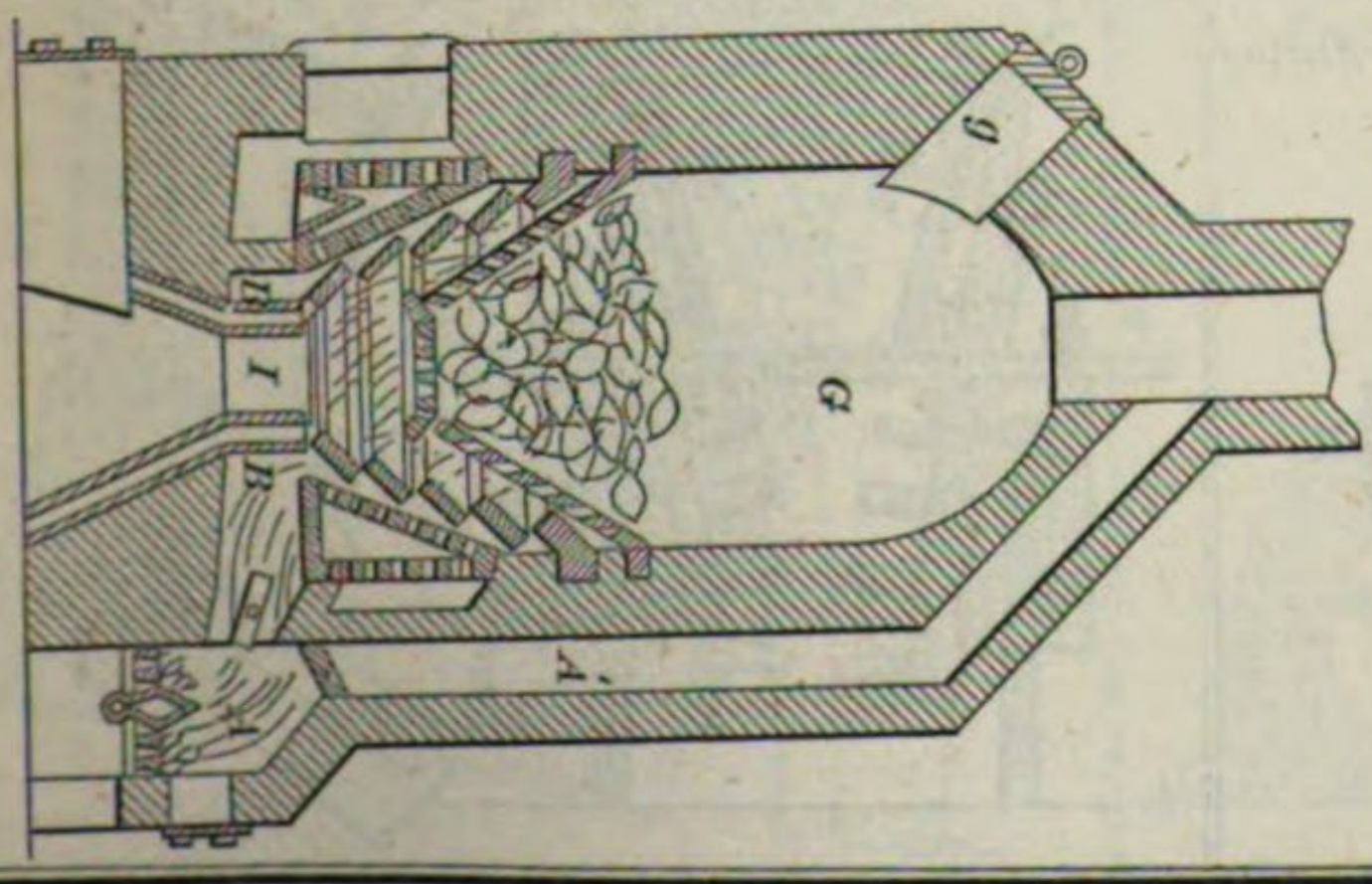
52872—W. W. Mildrum—*Toy Engine and Whistle.*



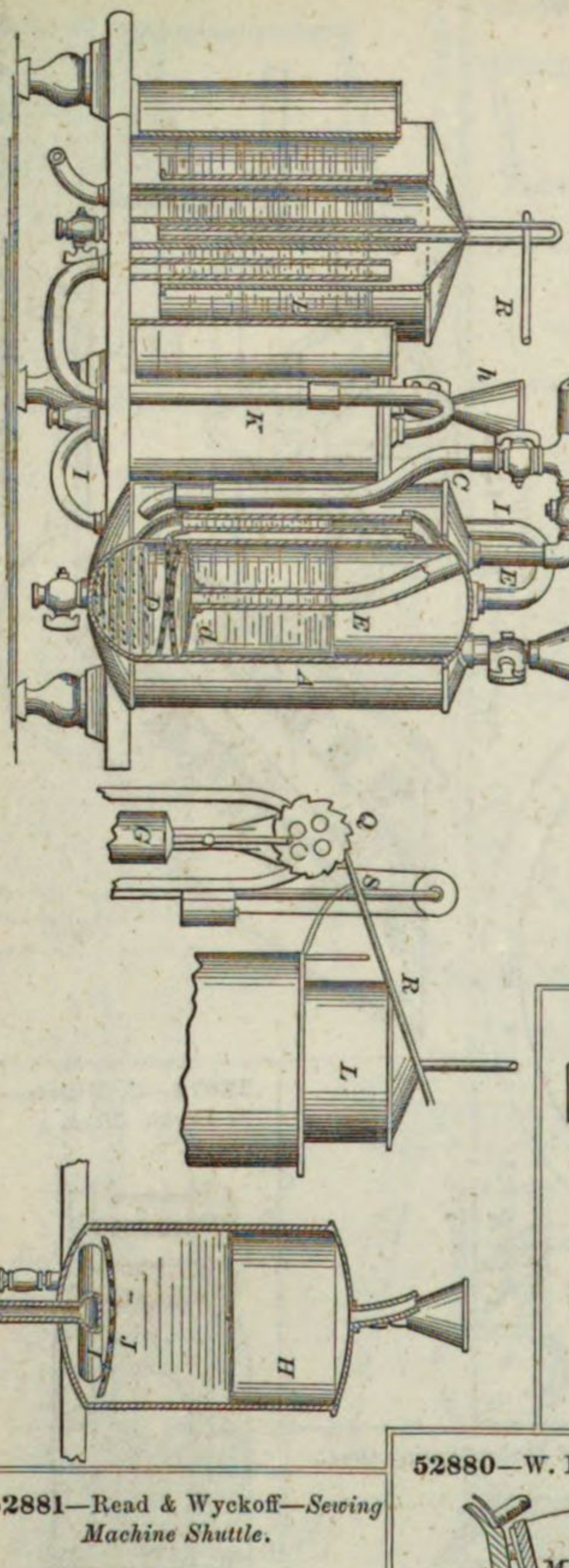
52874—G. Milsom—*Tackle Block.*



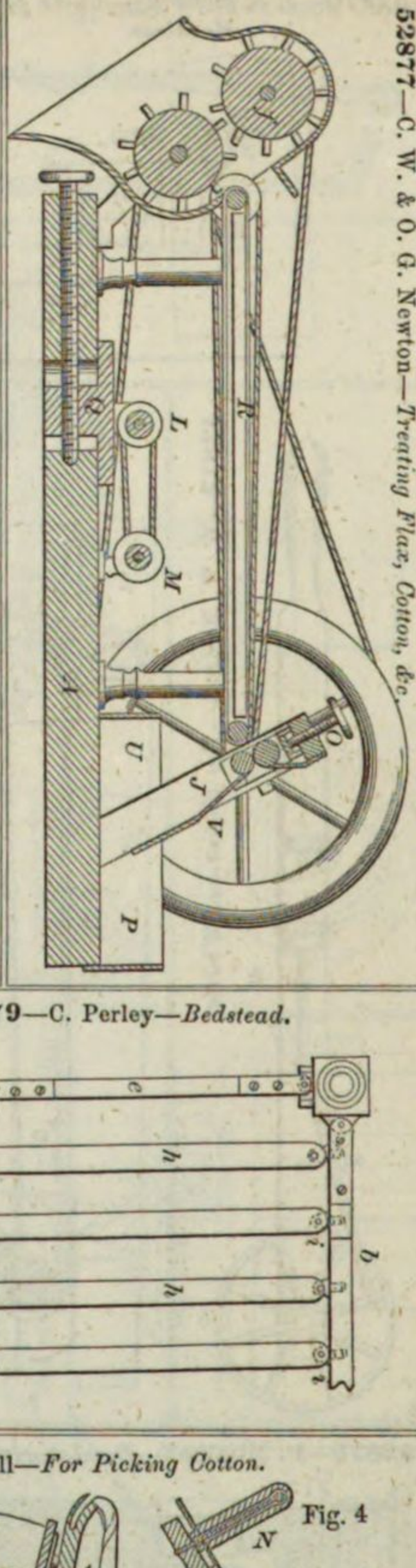
52875—D. Minthorn—*Desulphurizing and Disintegrating Ores.*



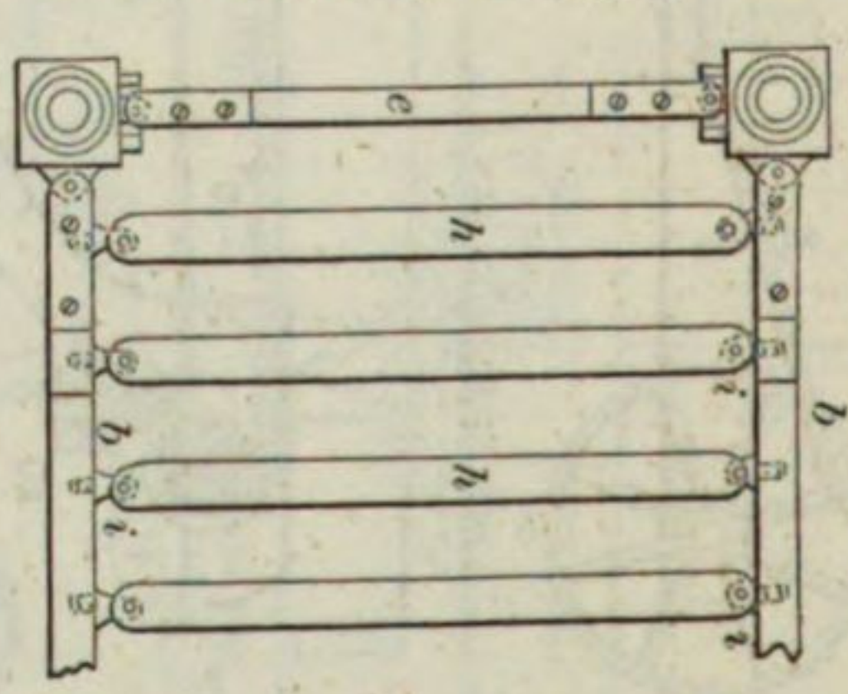
52876—H. B. Myer—*For Charging Air with Hydro-Carbon.*



52877—C. W. & O. G. Newton—*Treating Flax, Cotton, &c.*



52879—C. Perley—*Bedstead.*



52880—W. E. Prall—*For Picking Cotton.*

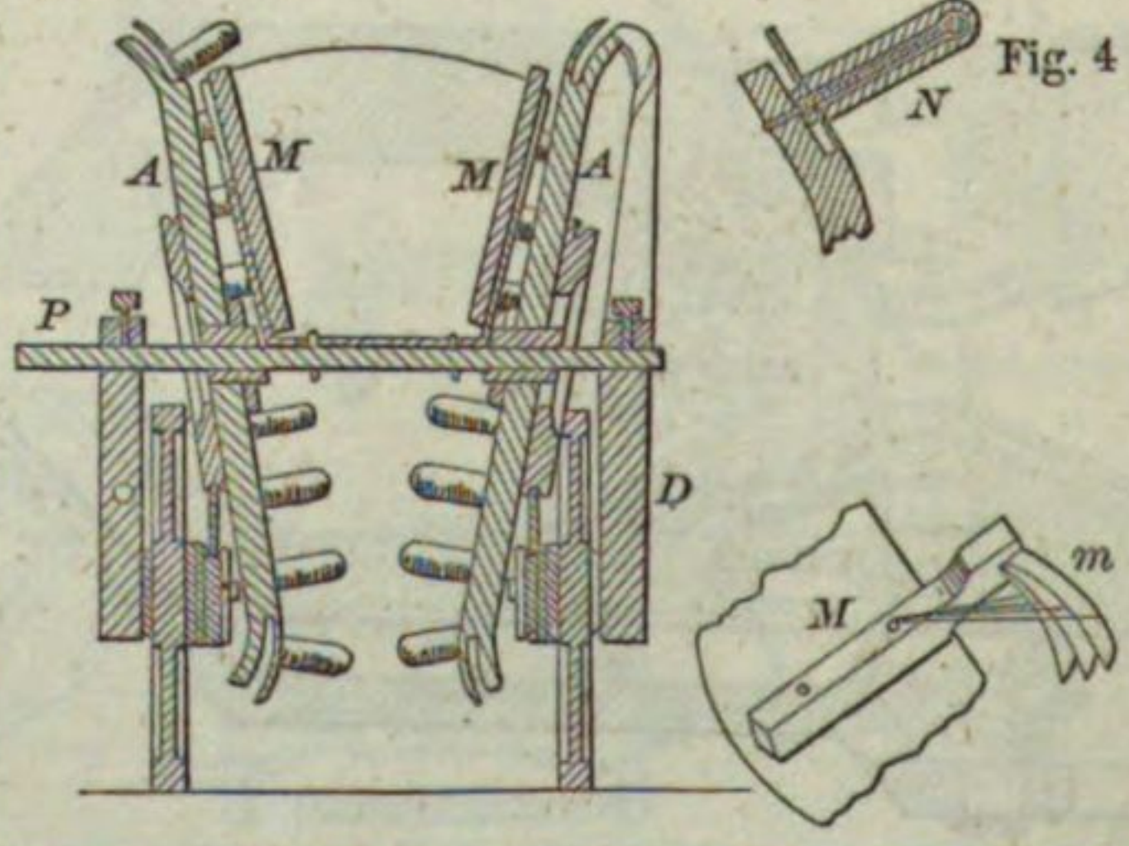
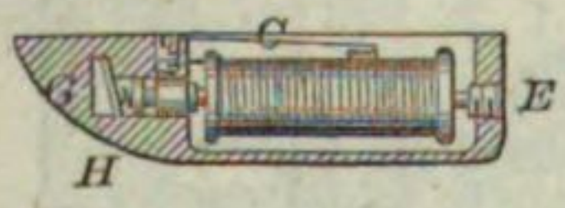
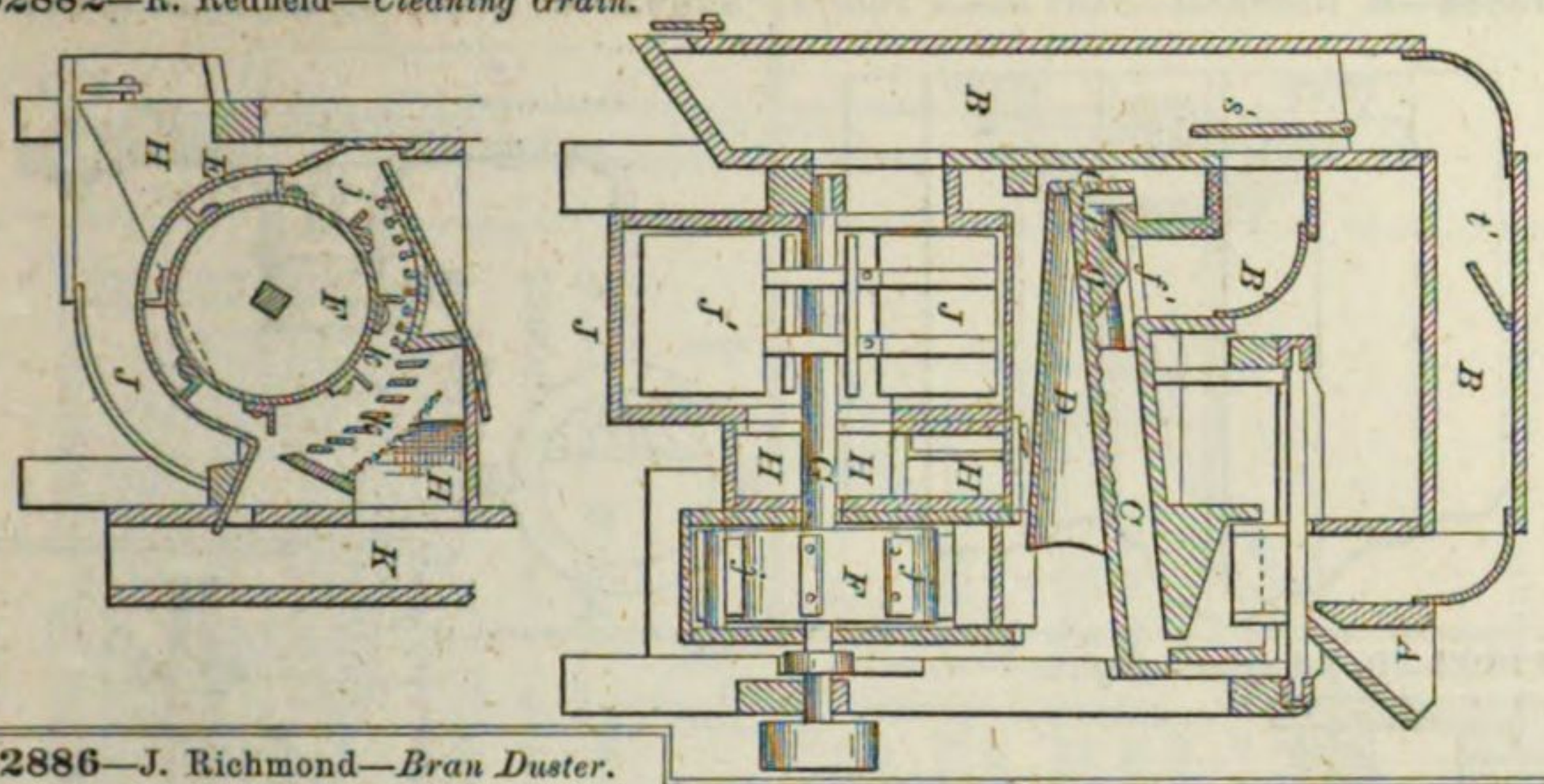


Fig. 4

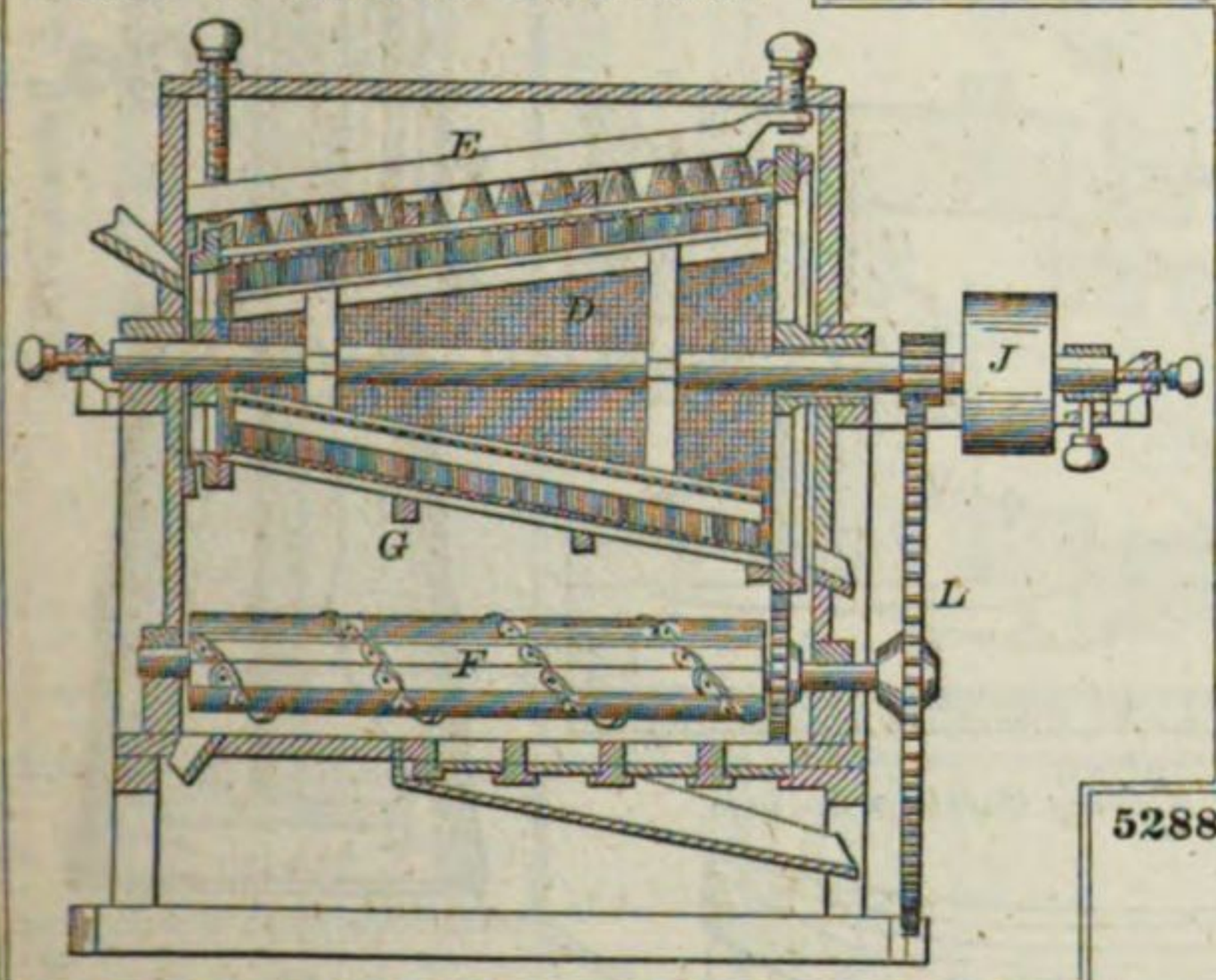
52881—Read & Wyckoff—*Sewing Machine Shuttle.*



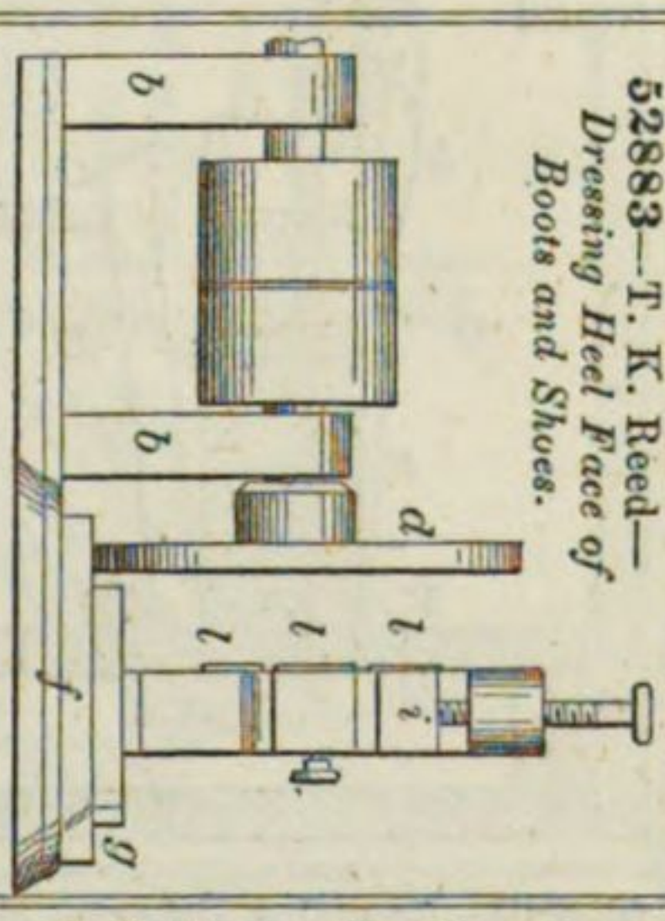
52882—R. Redfield—*Cleaning Grain.*



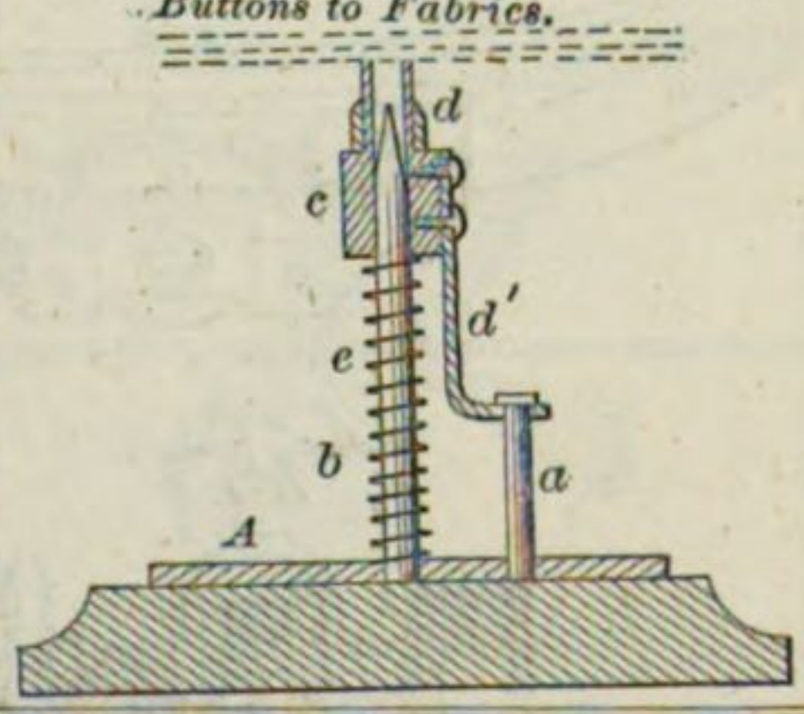
52886—J. Richmond—*Bran Duster.*



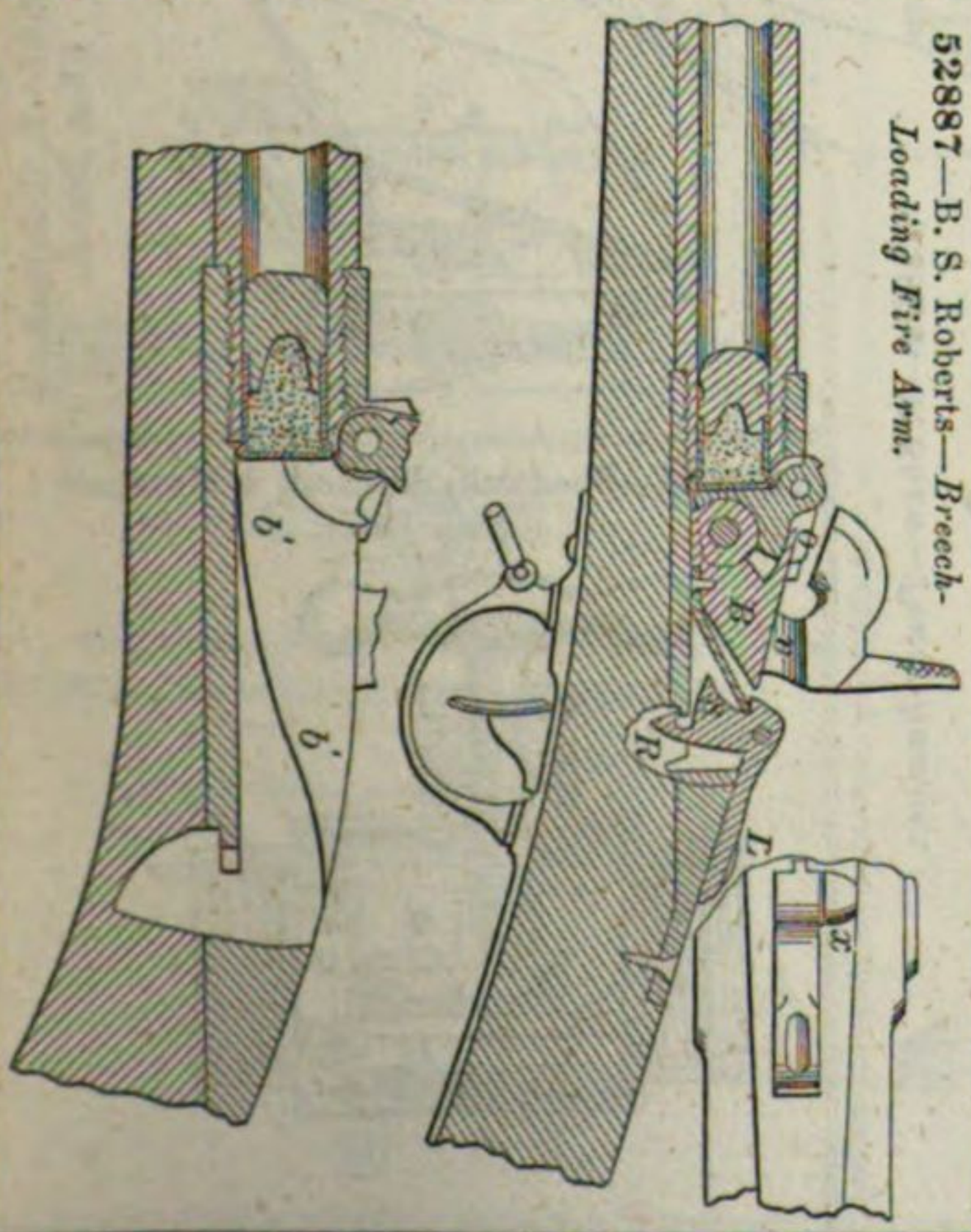
52883—T. K. Reed—*Dressing Heel Face of Boots and Shoes.*



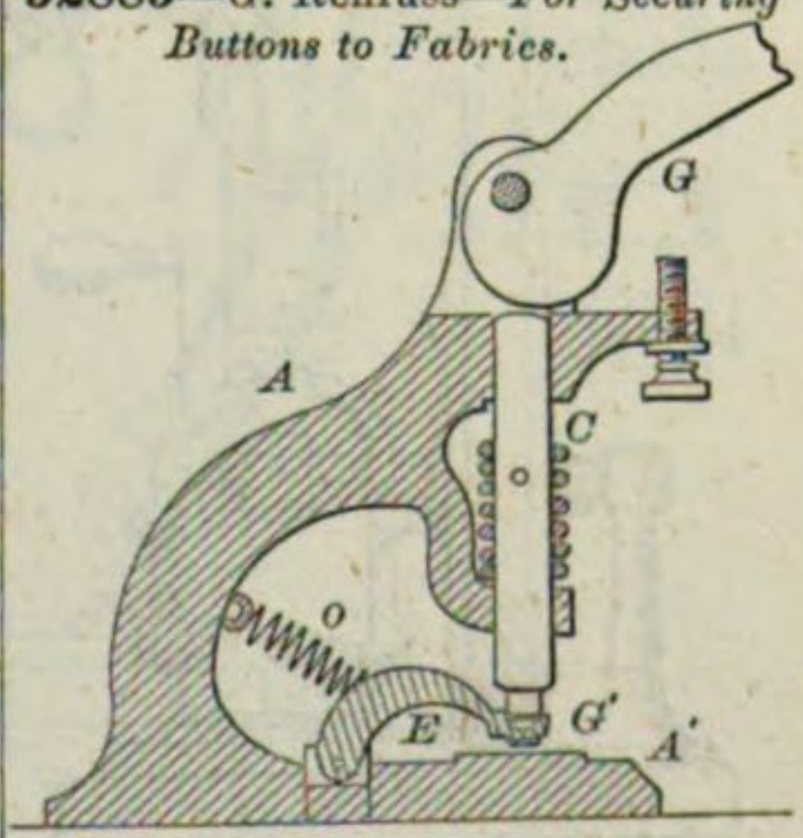
52884—G. Rehfuss—*For Securing Buttons to Fabrics.*



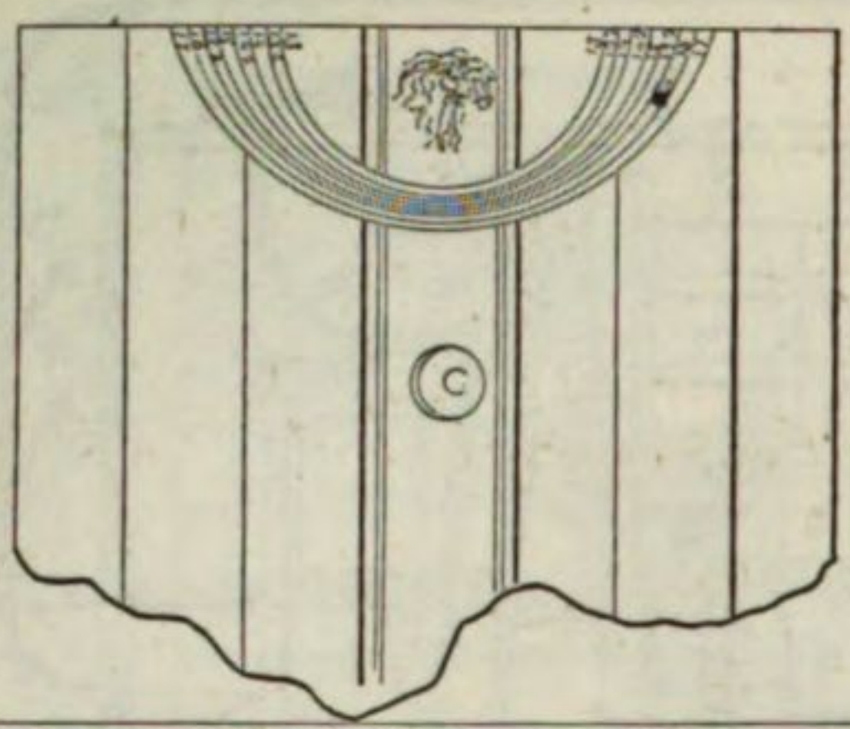
52887—B. S. Roberts—*Breech-Loading Fire Arm.*



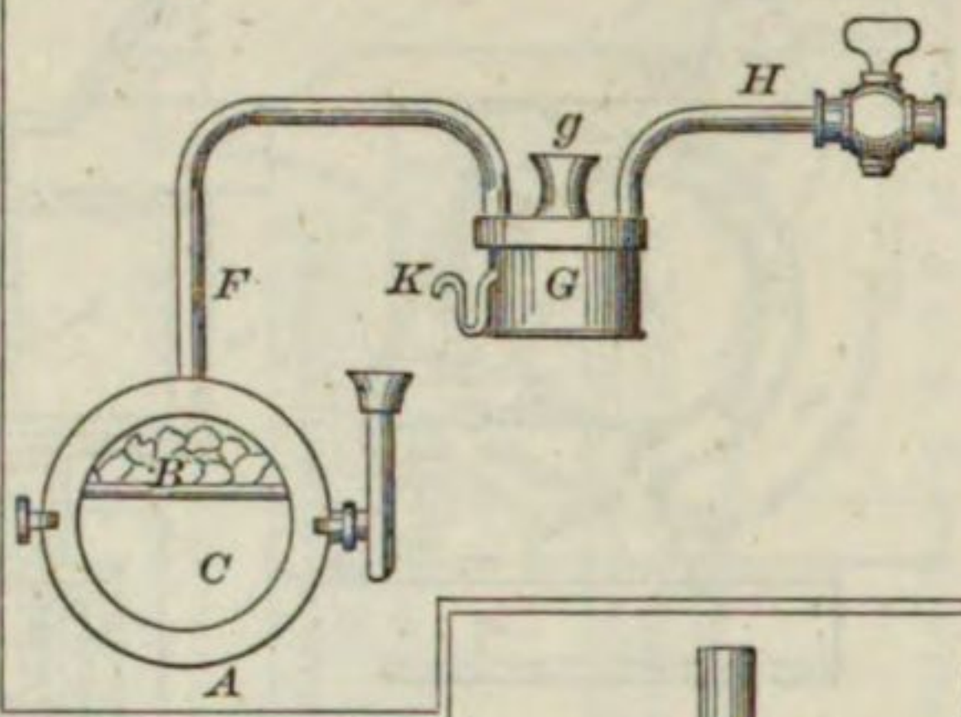
52885—G. Rehfuss—*For Securing Buttons to Fabrics.*



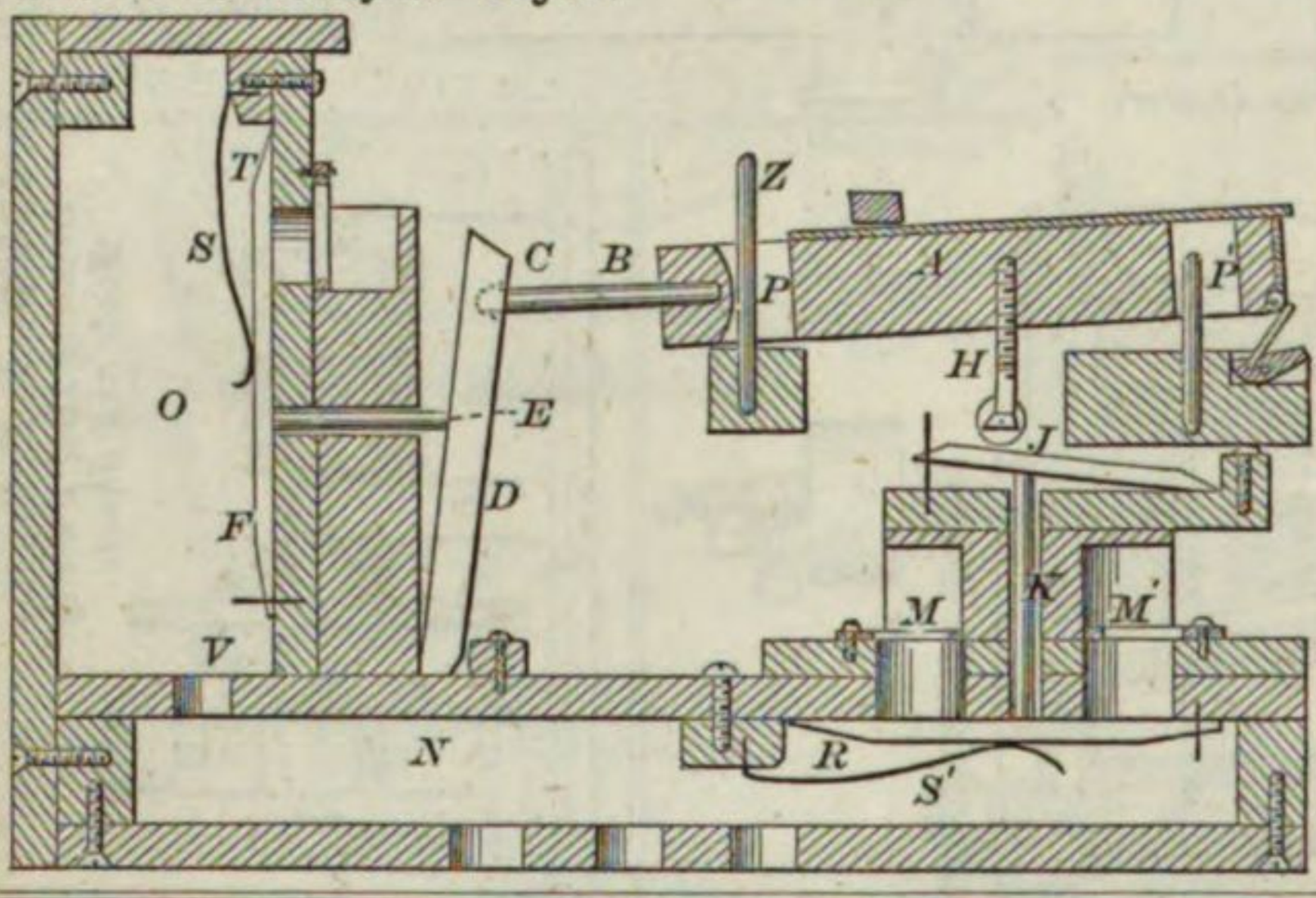
52888—M. Rosenthal—*Shirt Bosom Pattern.*



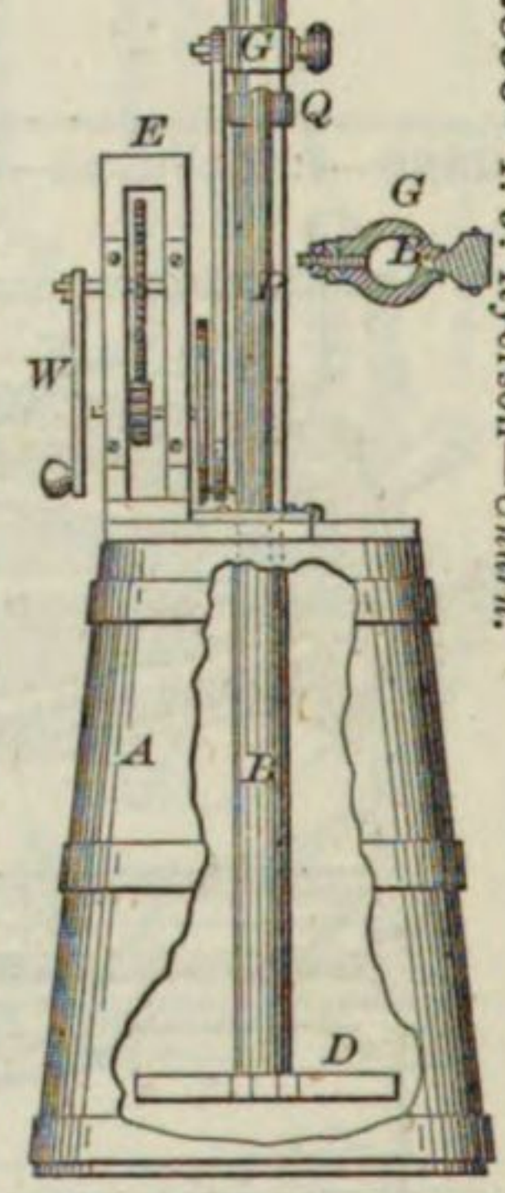
52893—W. D. Seal—*Manufacture of Gas.*



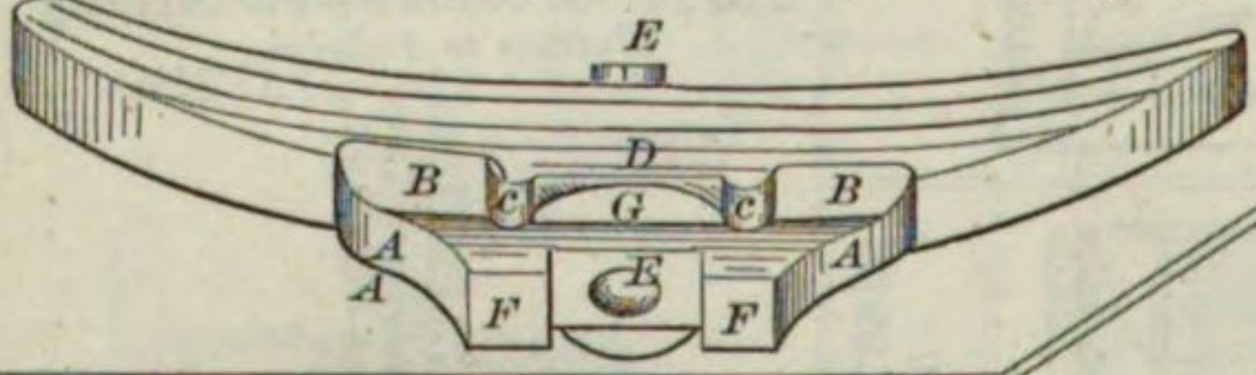
52892—D. Schuyler—*Organ.*



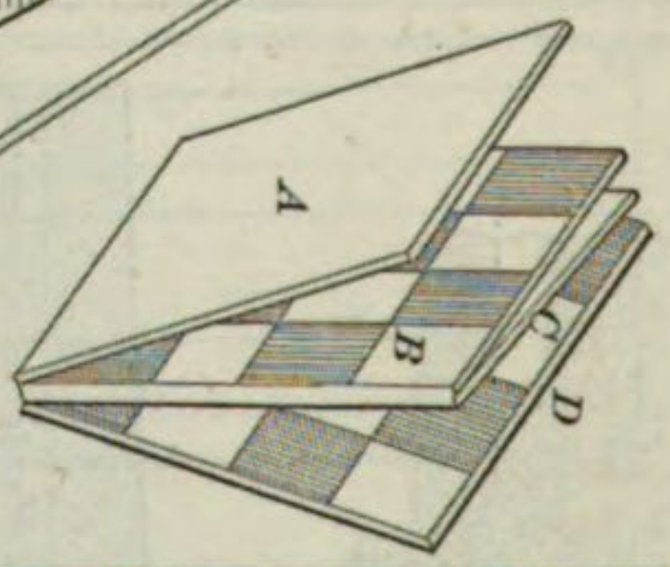
52890—I. J. Ryerson—*Churn.*



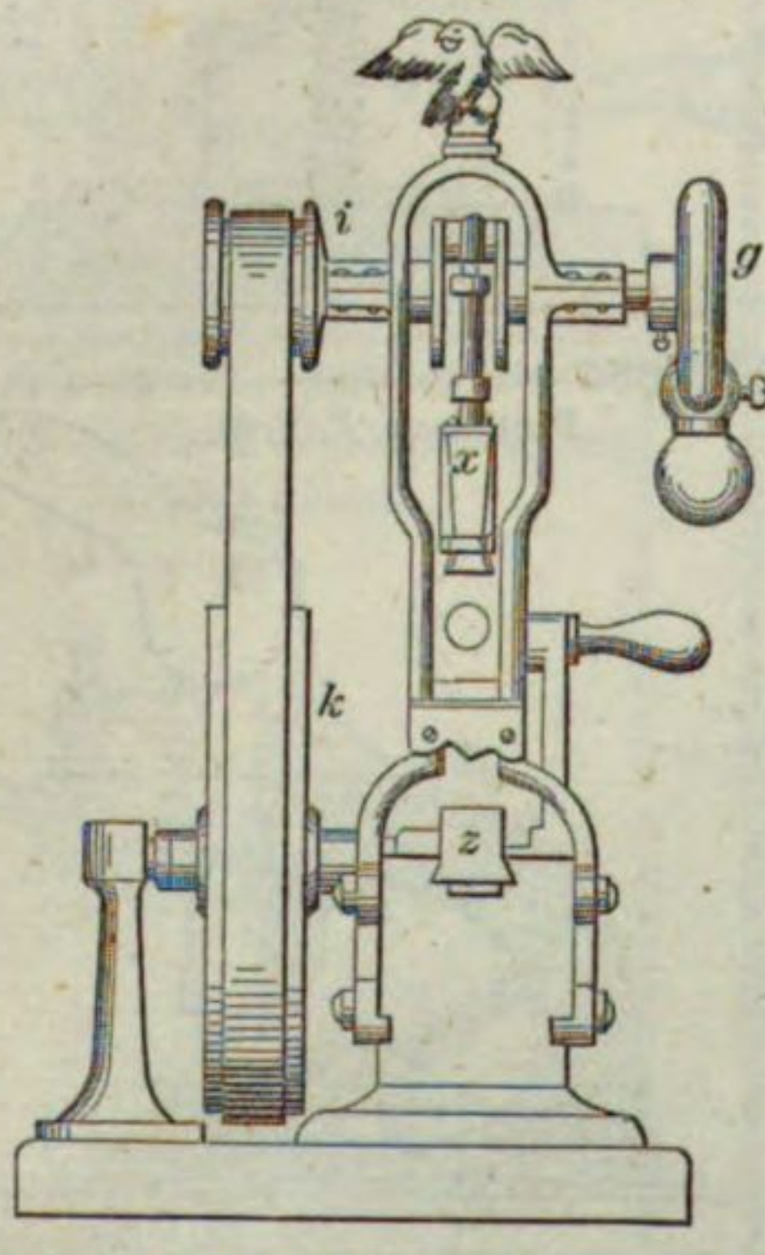
52889—Rowell & Briggs—*For Holding Carriage Springs.*



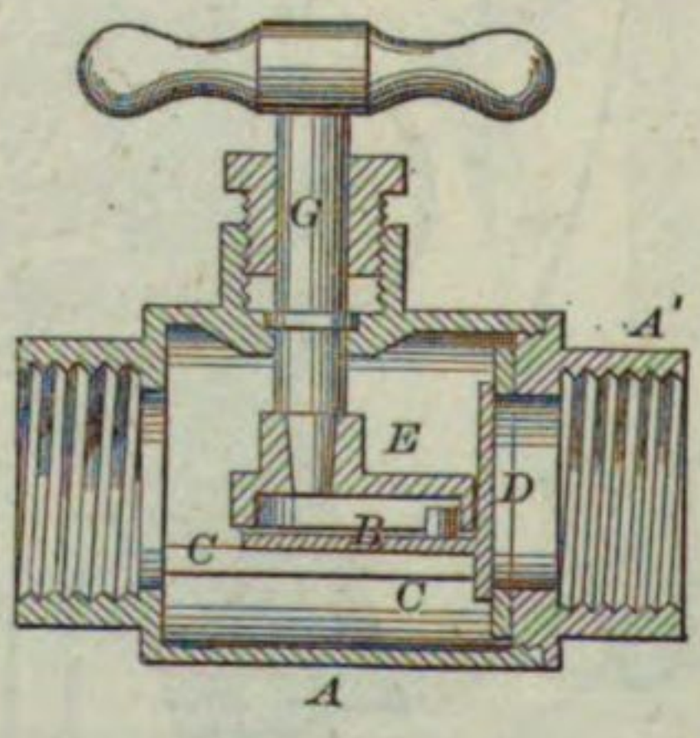
52891—F. C. Schaefer—*Chess Board.*



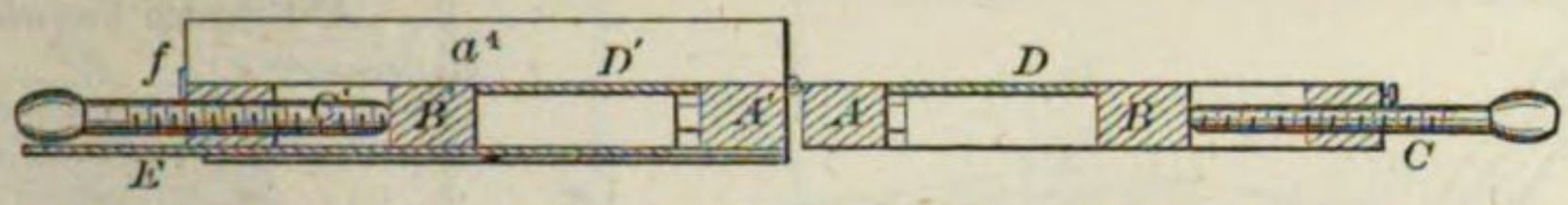
52894—T. Shaw—*Power Hammer.*



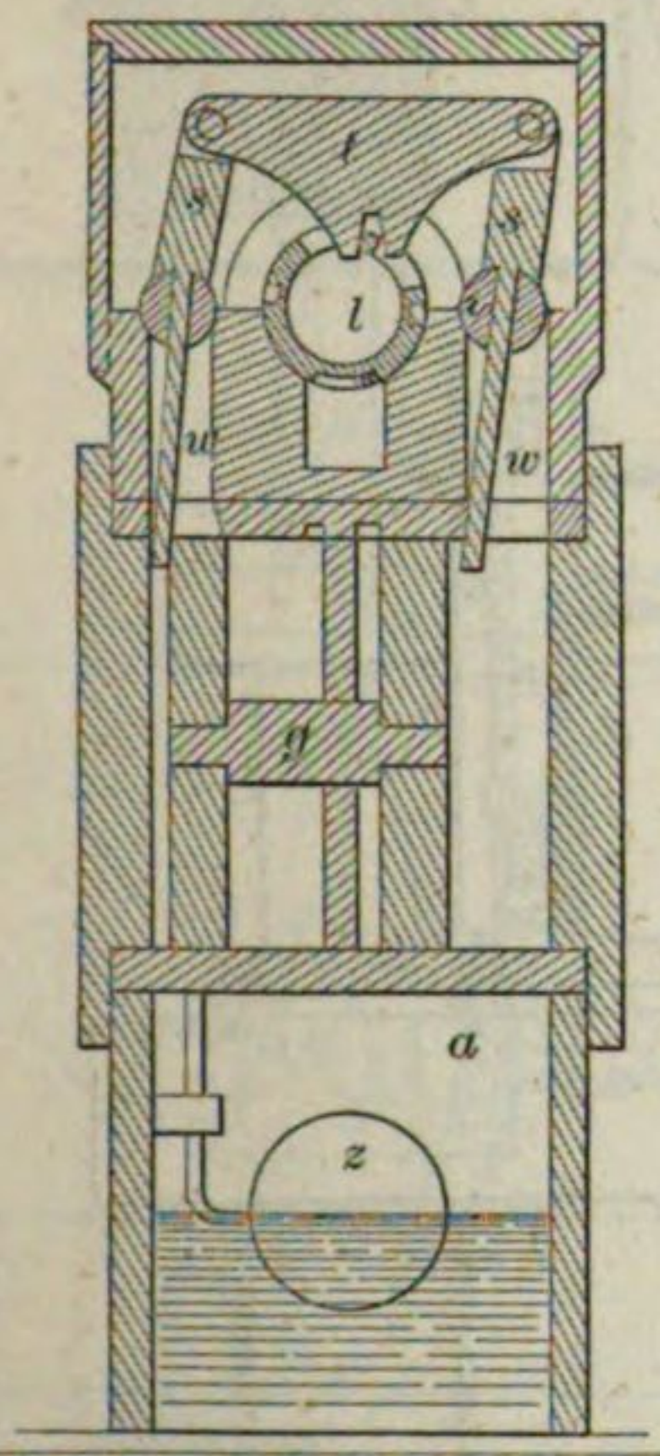
52895—Shedlock, Shedlock & Marshall
Stop Valve.



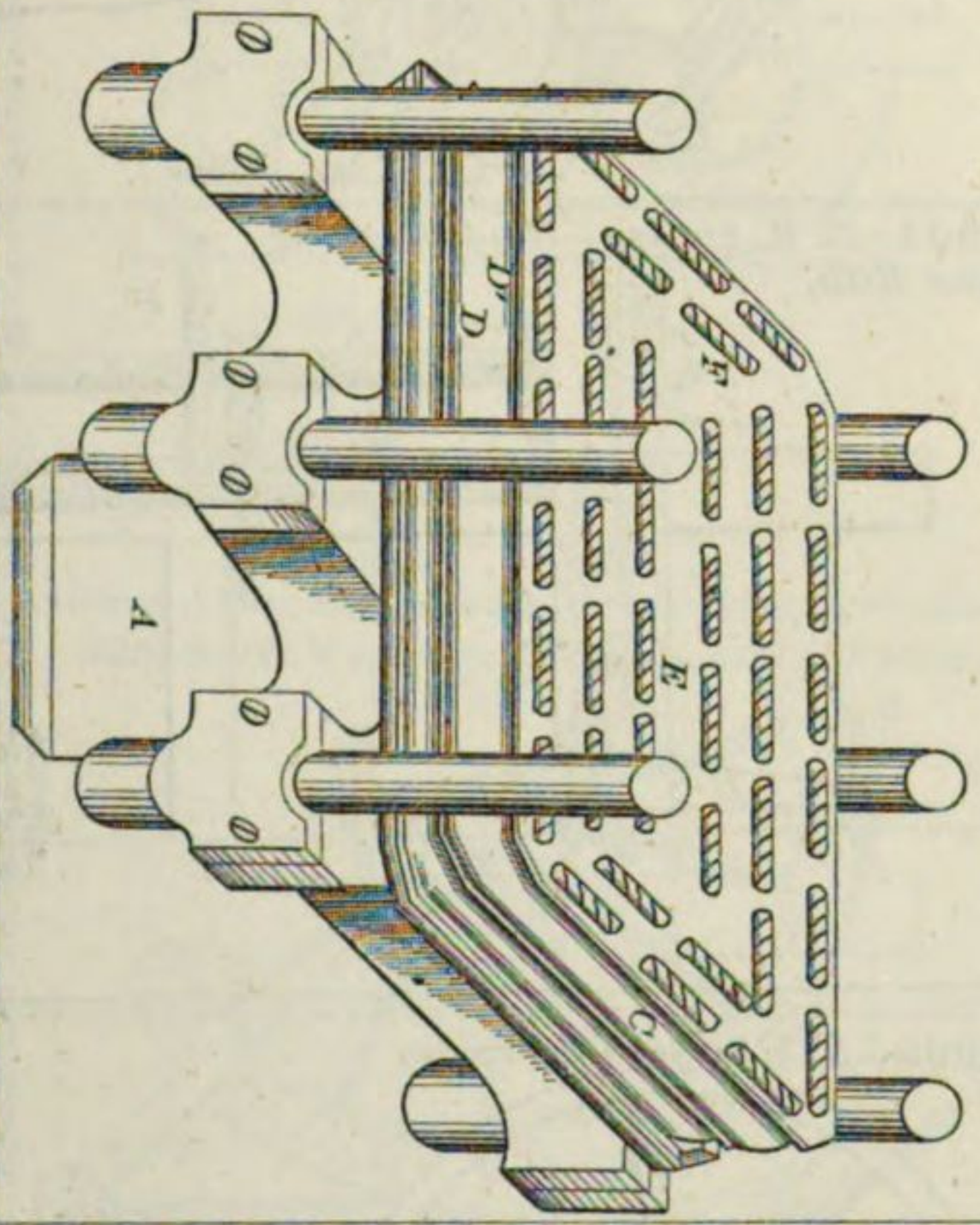
52896—D. Shive—*Photographic Printing Frame.*



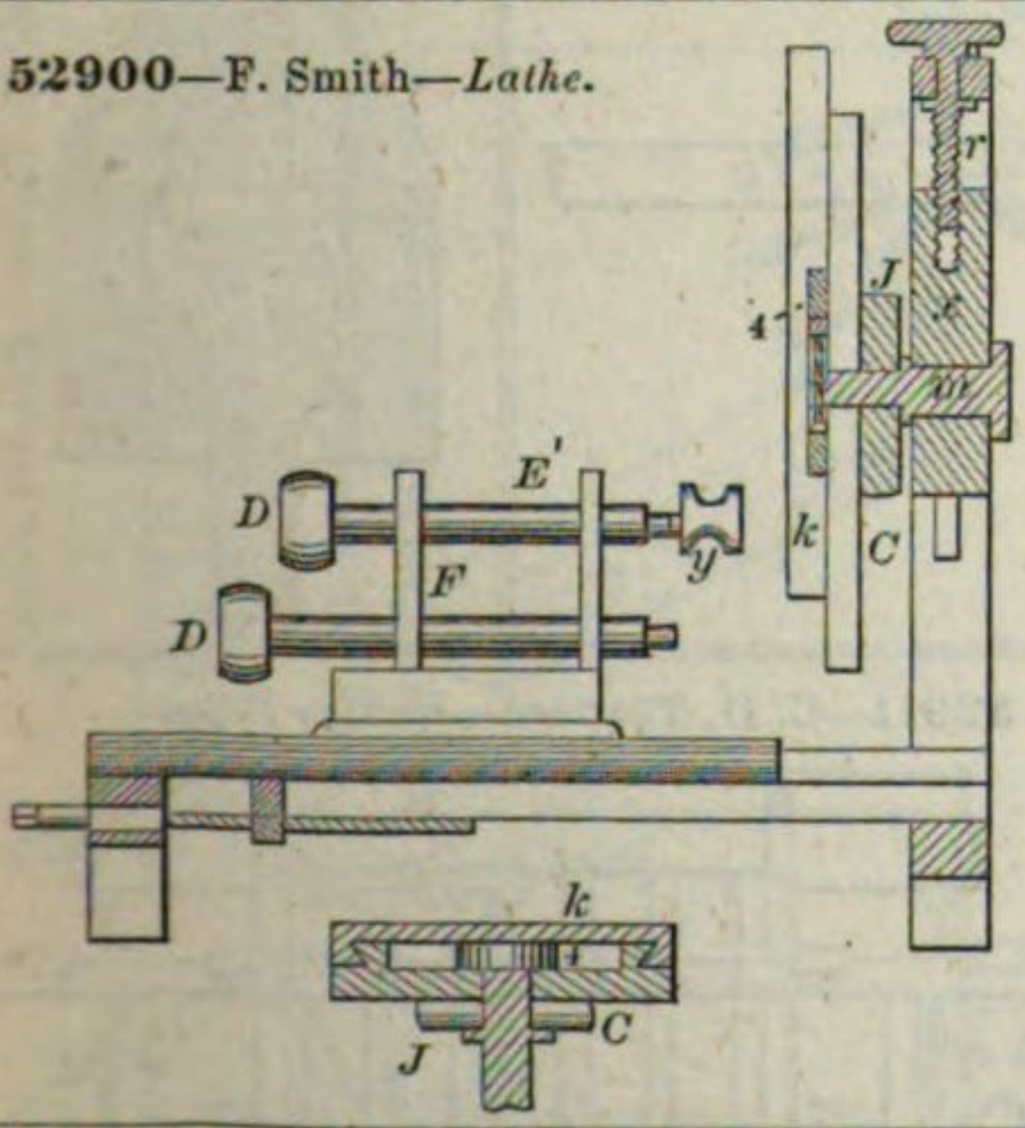
52898—T. J. Sloan—*Automatic Boiler Feeder.*



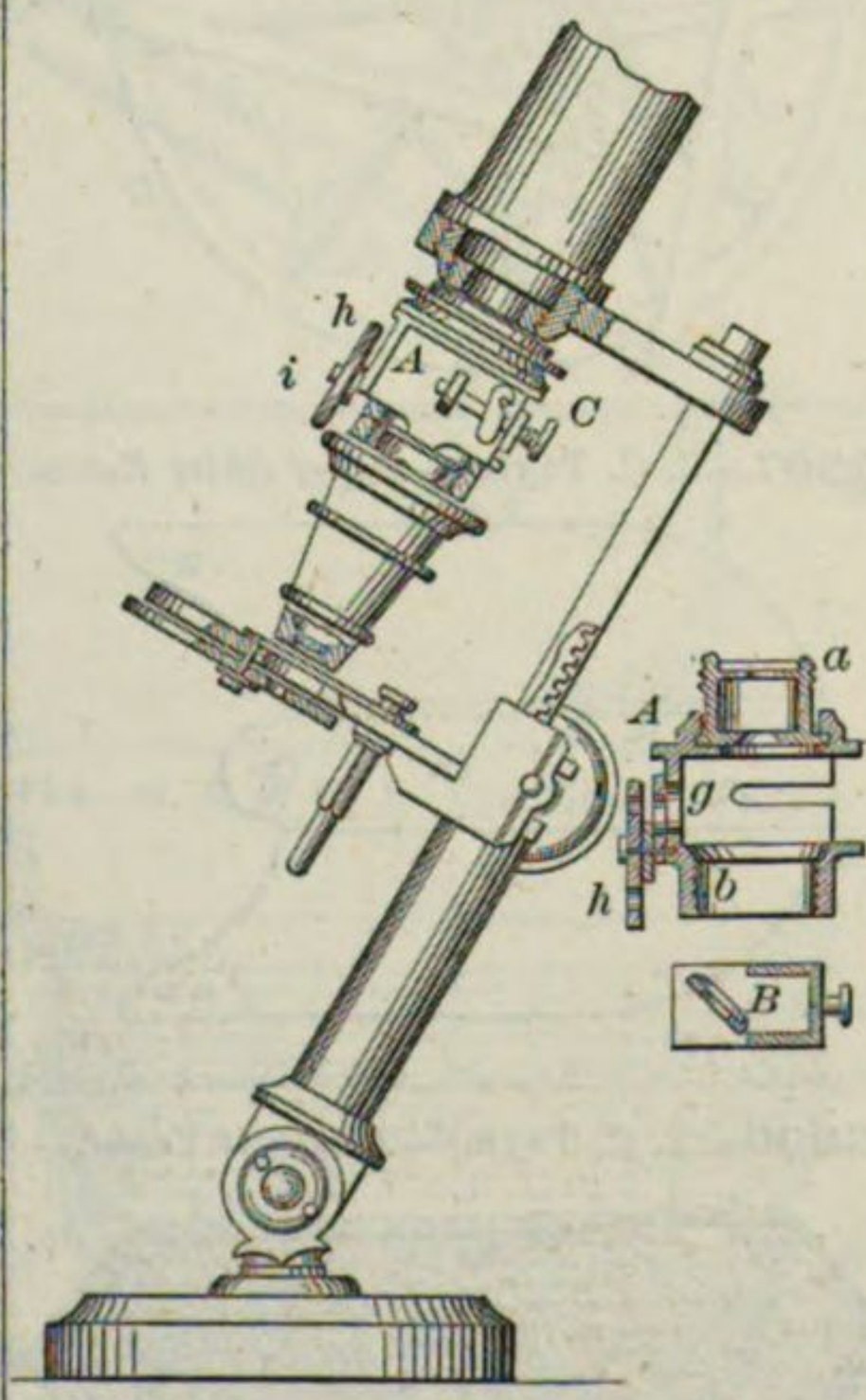
52899—A. Smith—*Press Plate.*



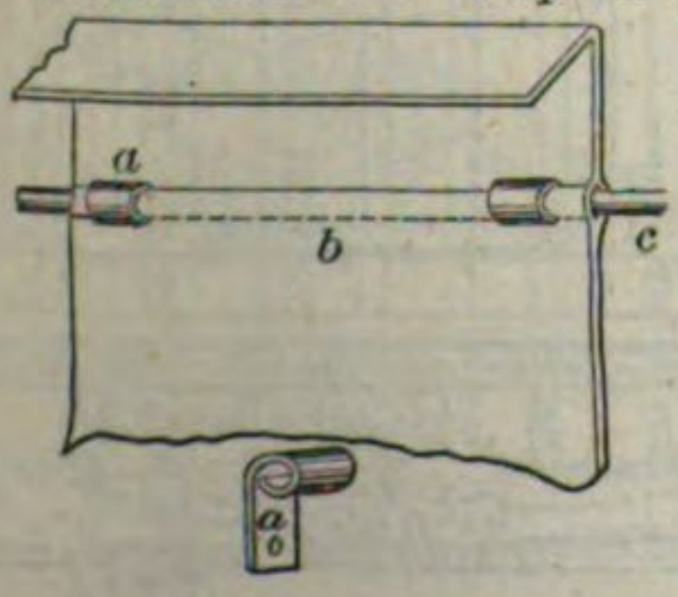
52900—F. Smith—*Lathe.*



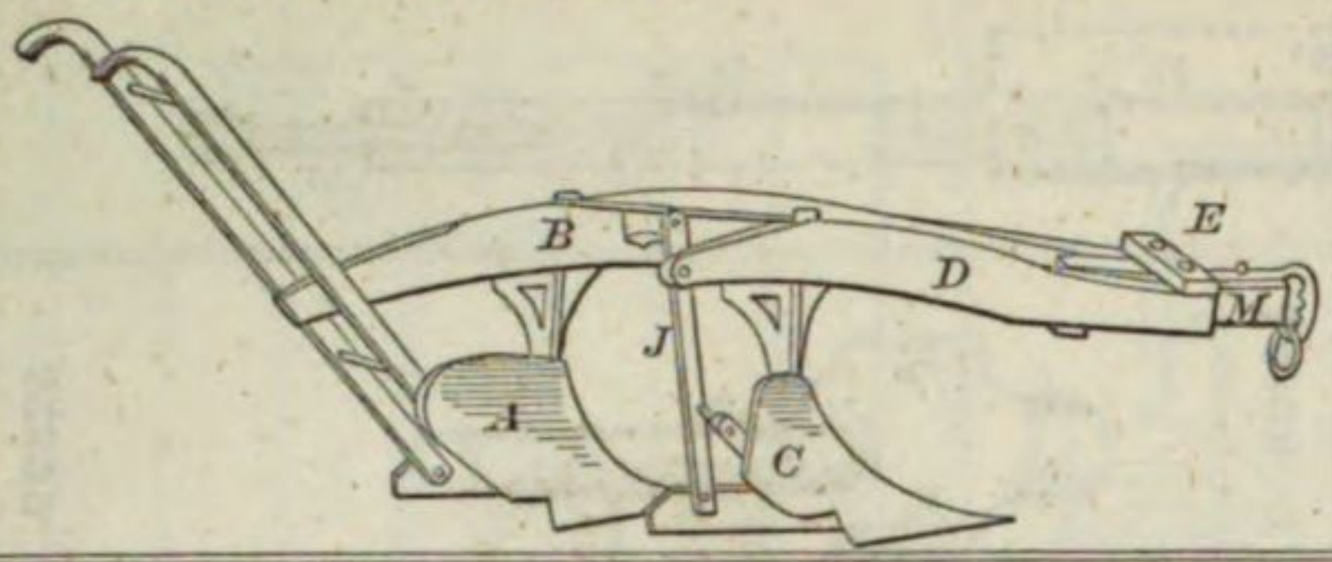
52901—H. L. Smith—*Microscope.*



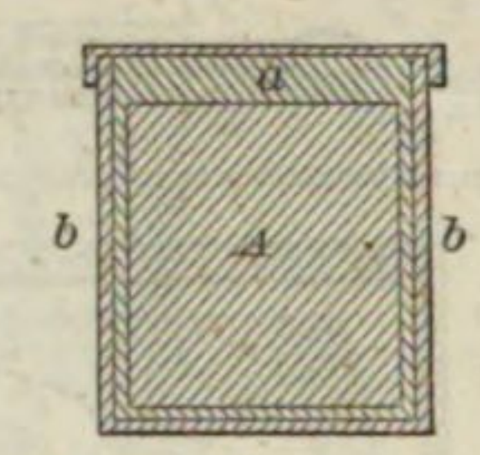
52902—Sonnekalb & Lieb—*Carpet Bag.*



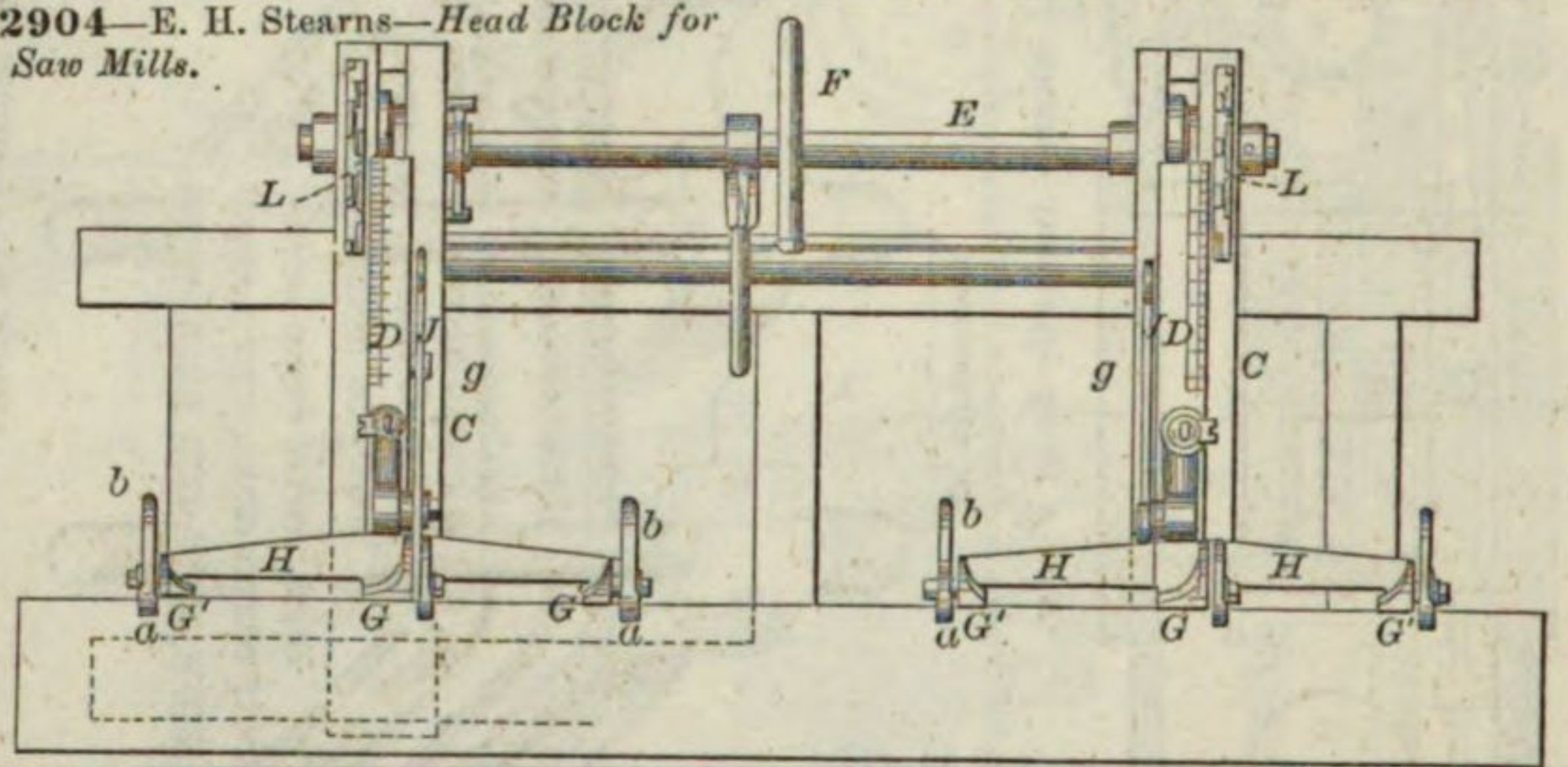
52903—T. A. Stansbury—*Plow.*



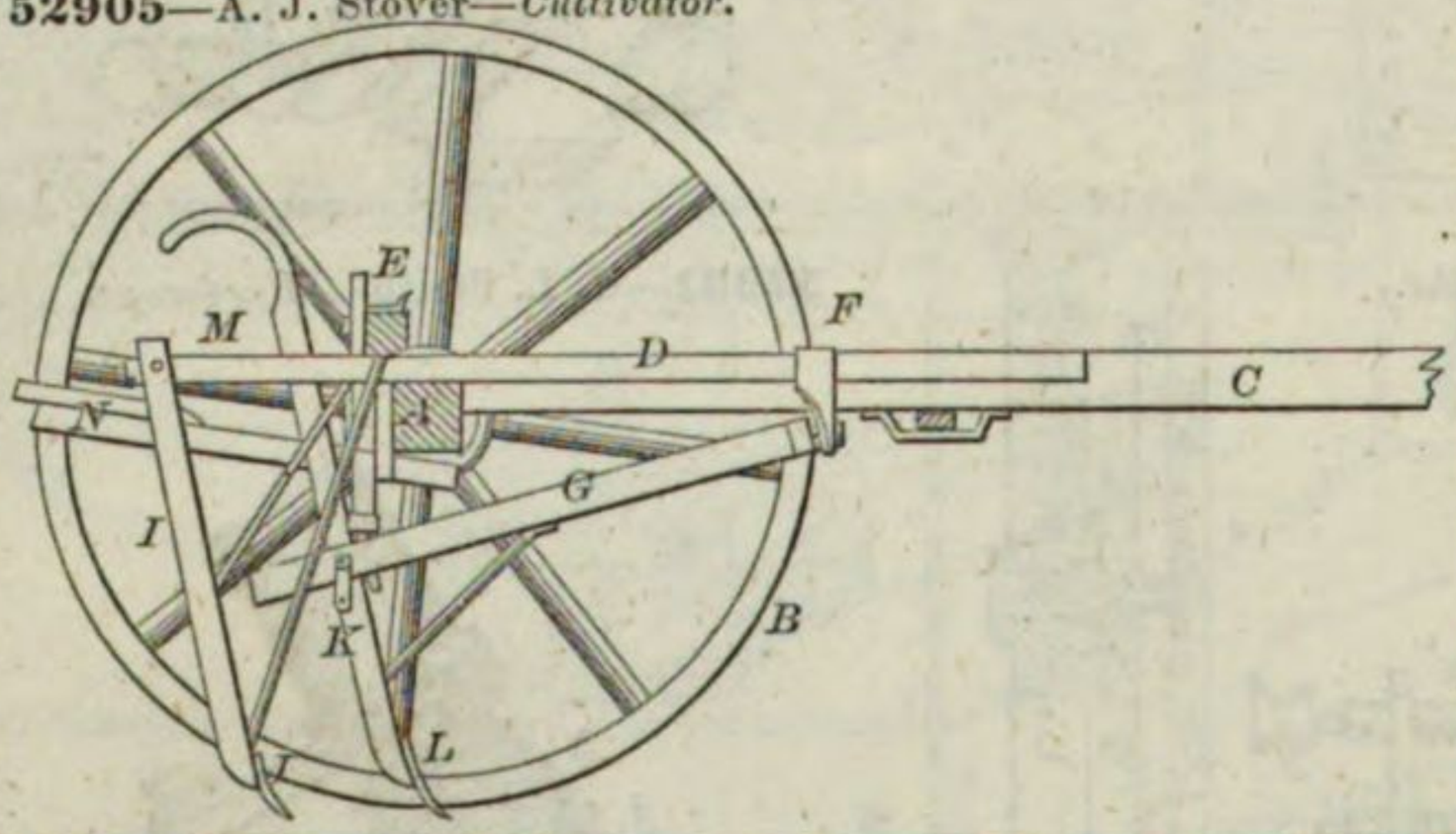
52910—T. C. Taylor—*Putting up Caustic Alkali.*



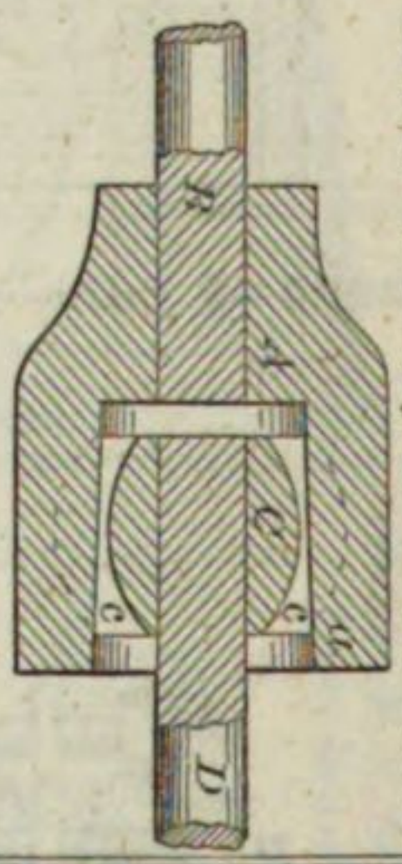
52904—E. H. Stearns—*Head Block for Saw Mills.*



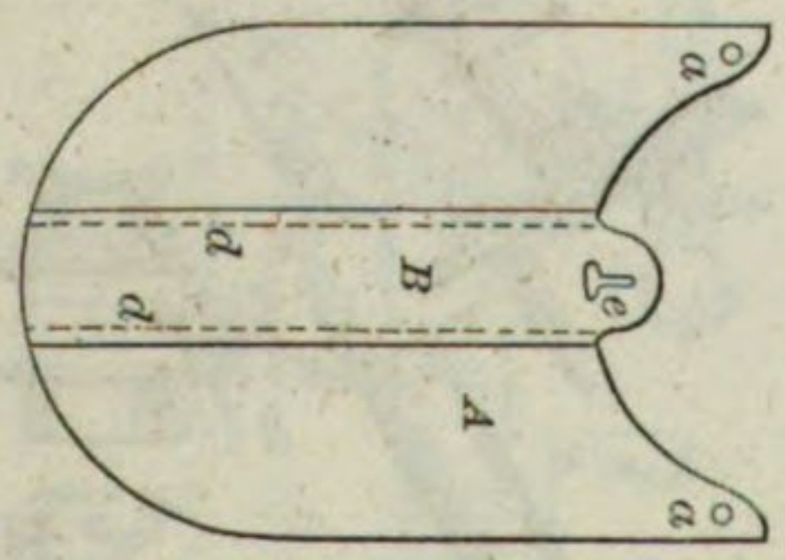
52905—A. J. Stover—*Cultivator.*



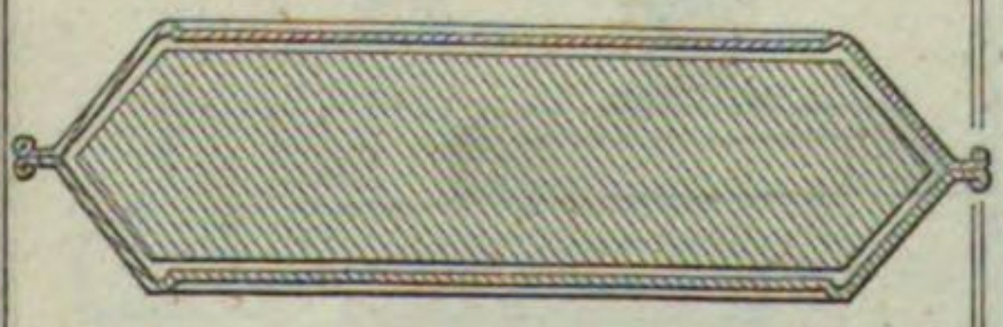
52908—S. N. Taylor—*Knuckle Joint.*



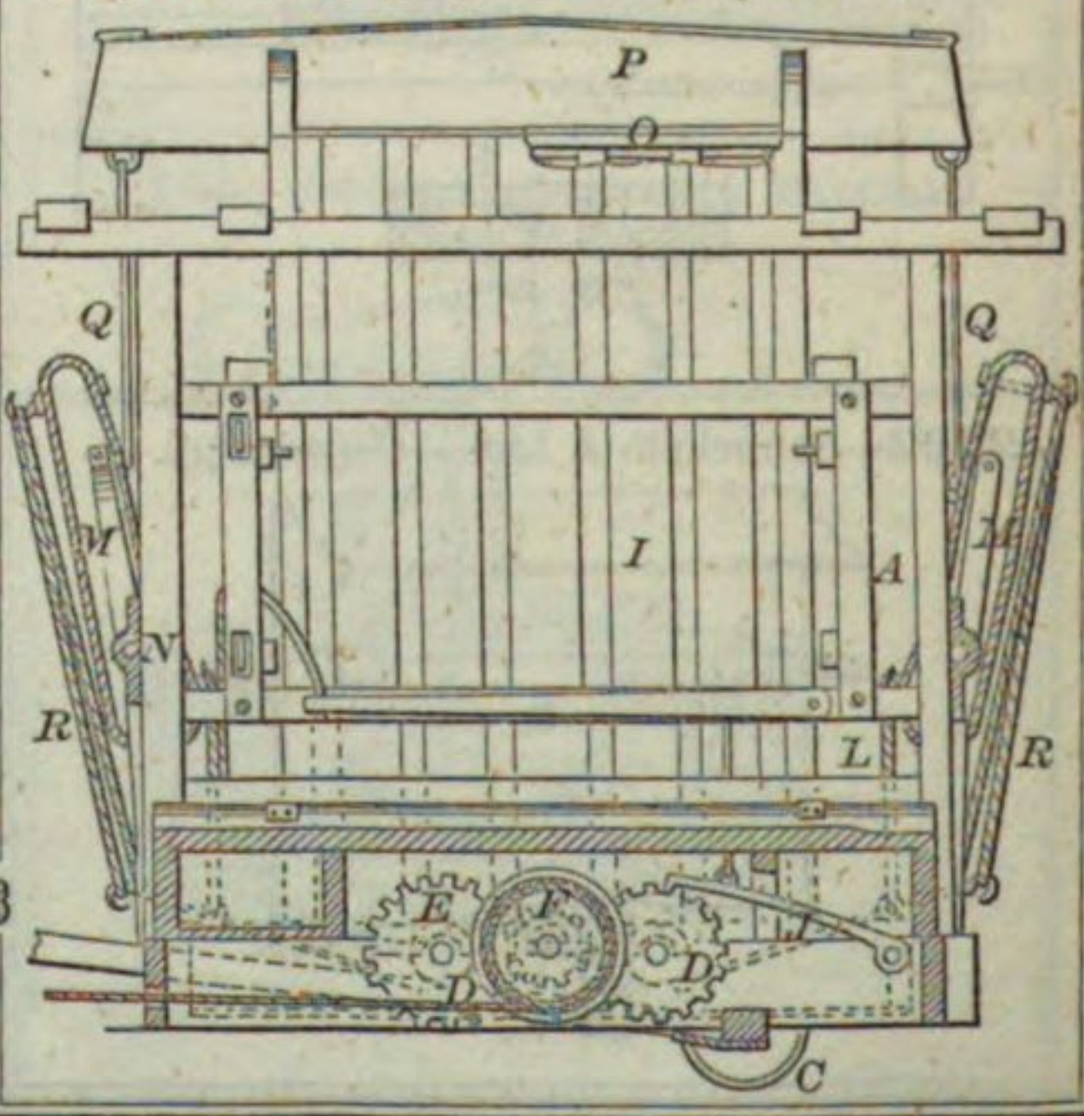
52907—C. C. Taylor—*Paper Shirt Bosom.*



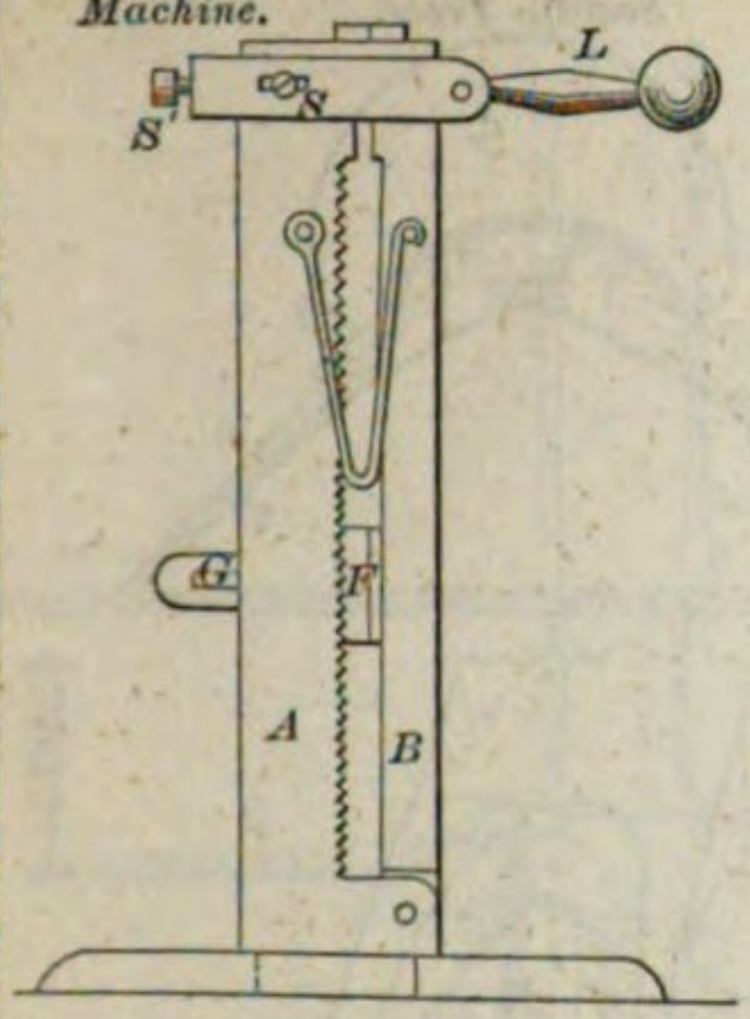
52909—T. C. Taylor—*Air-tight Vessel.*

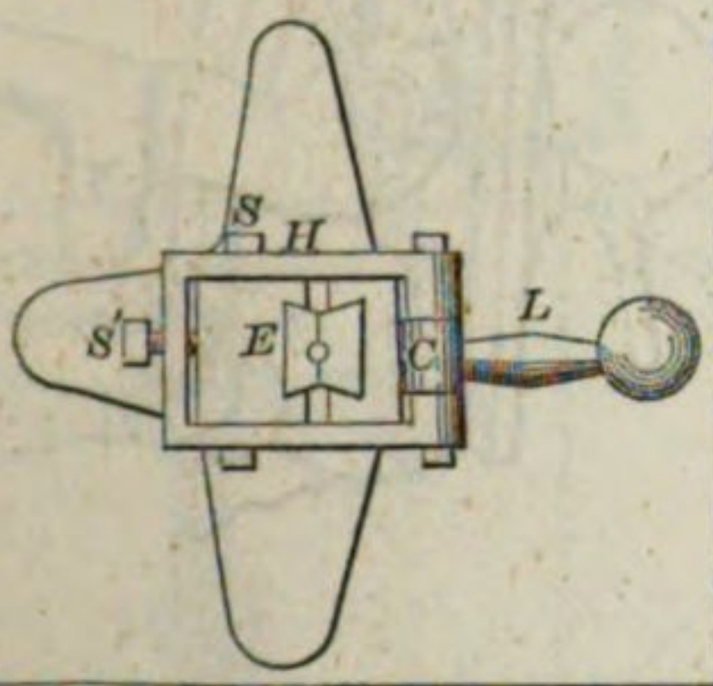


52911—C. H. Thatford—*Baking Press.*

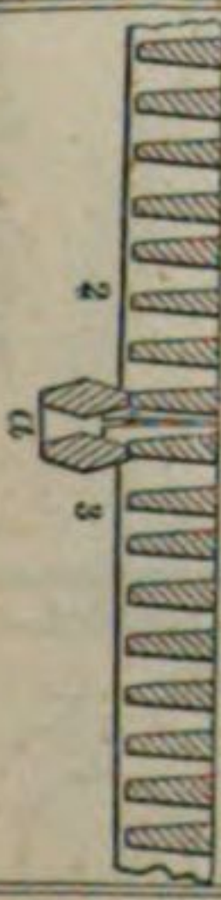


52912—A. Tucker—*Bolt Heading Machine.*

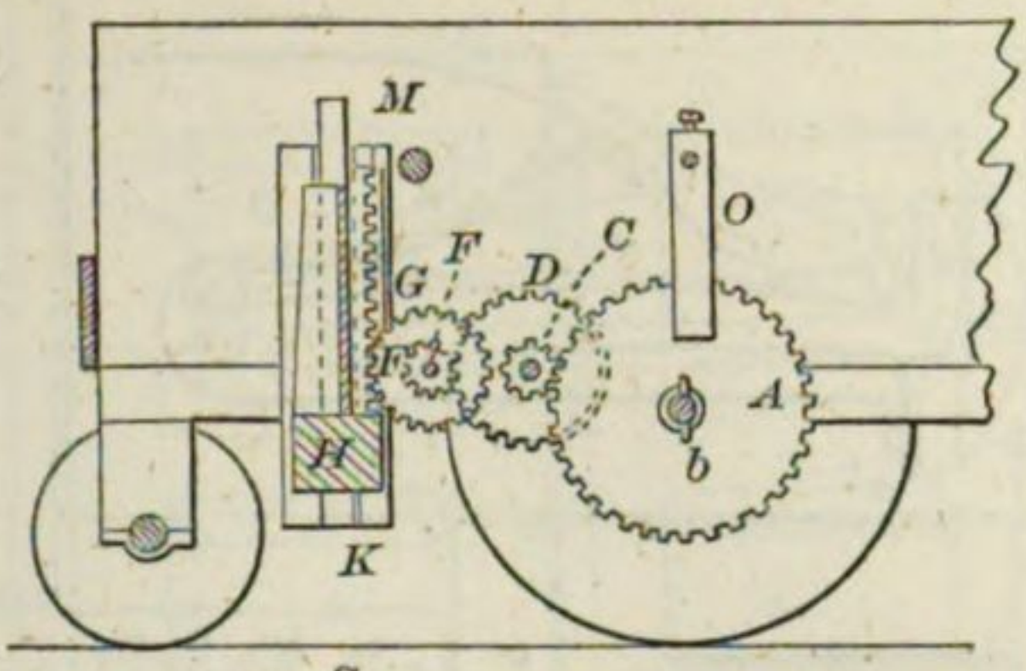


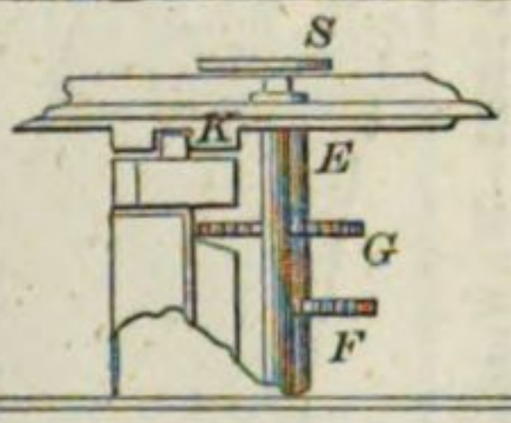


52913—L. B. Tupper—*Grate Bar.*

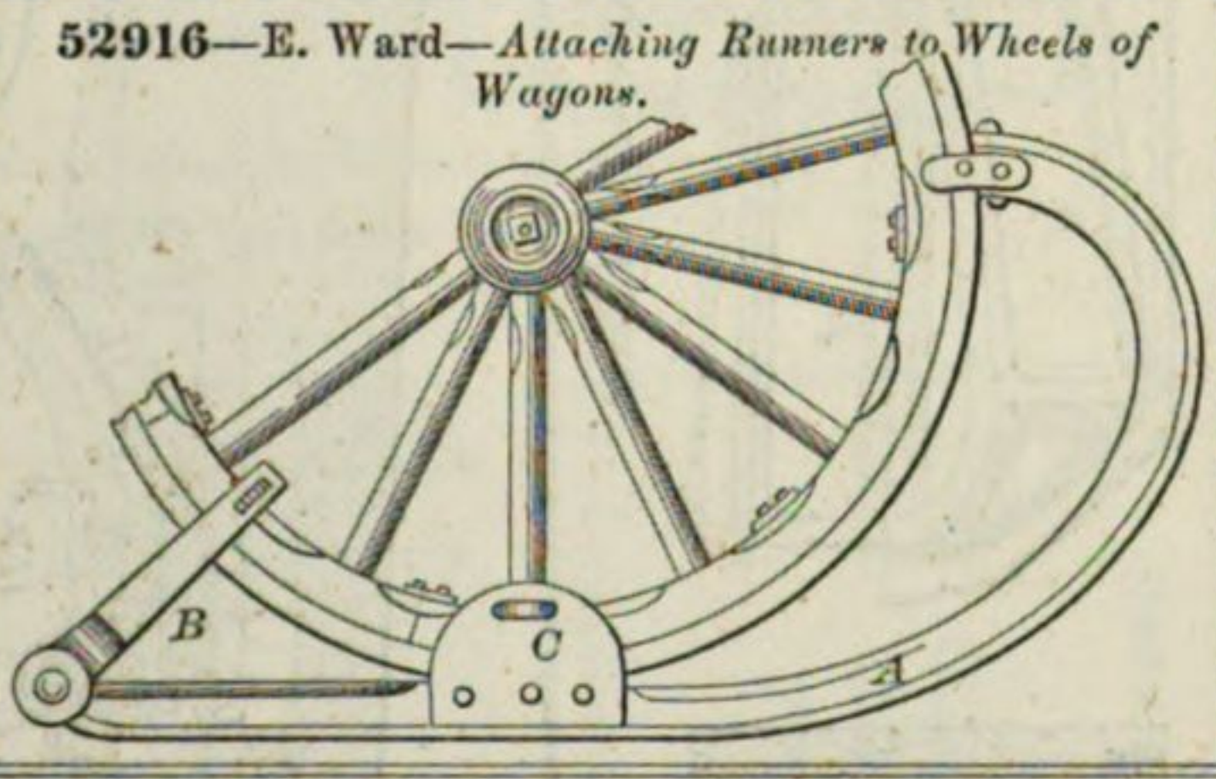


52915—L. Von Froben—*For Levelling Streets.*

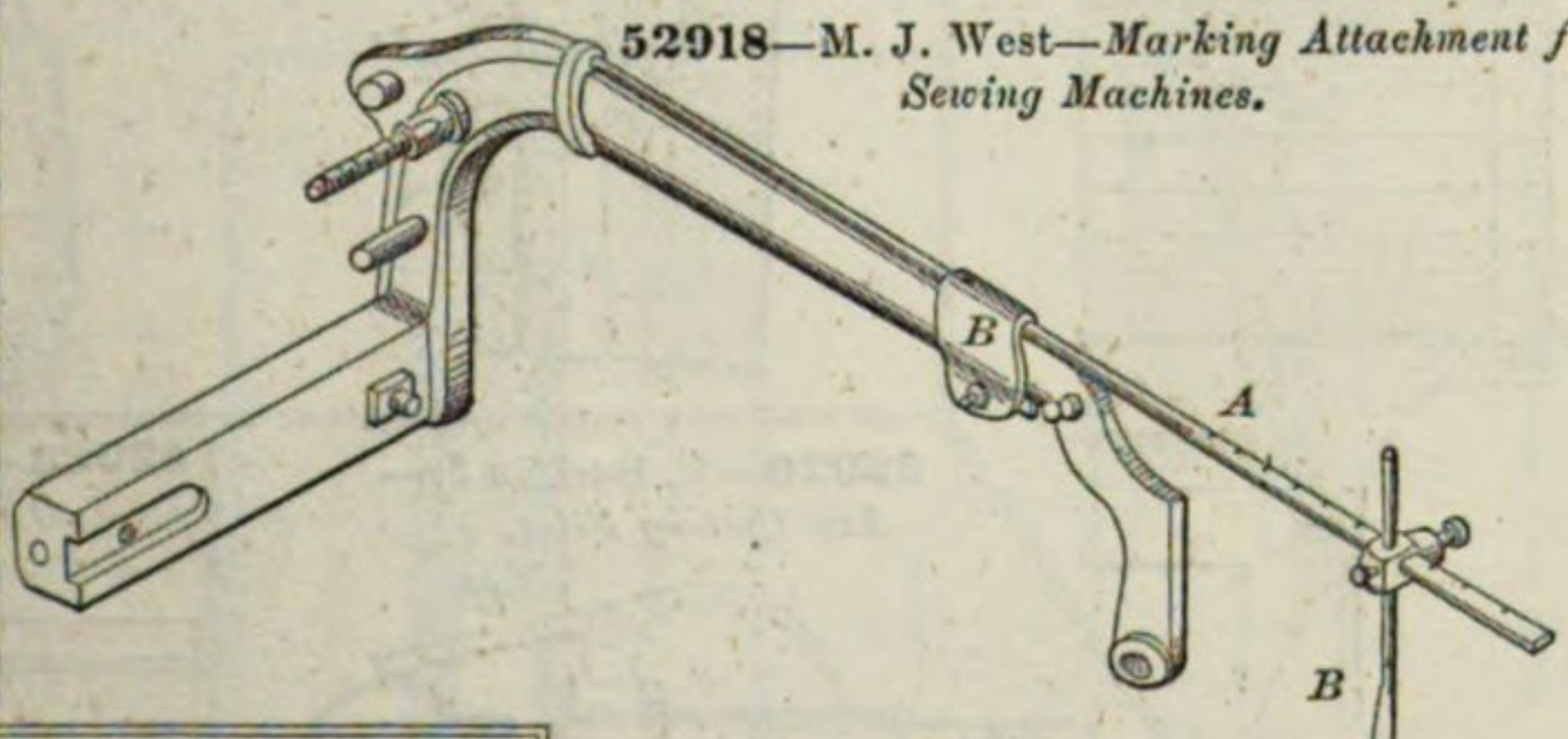




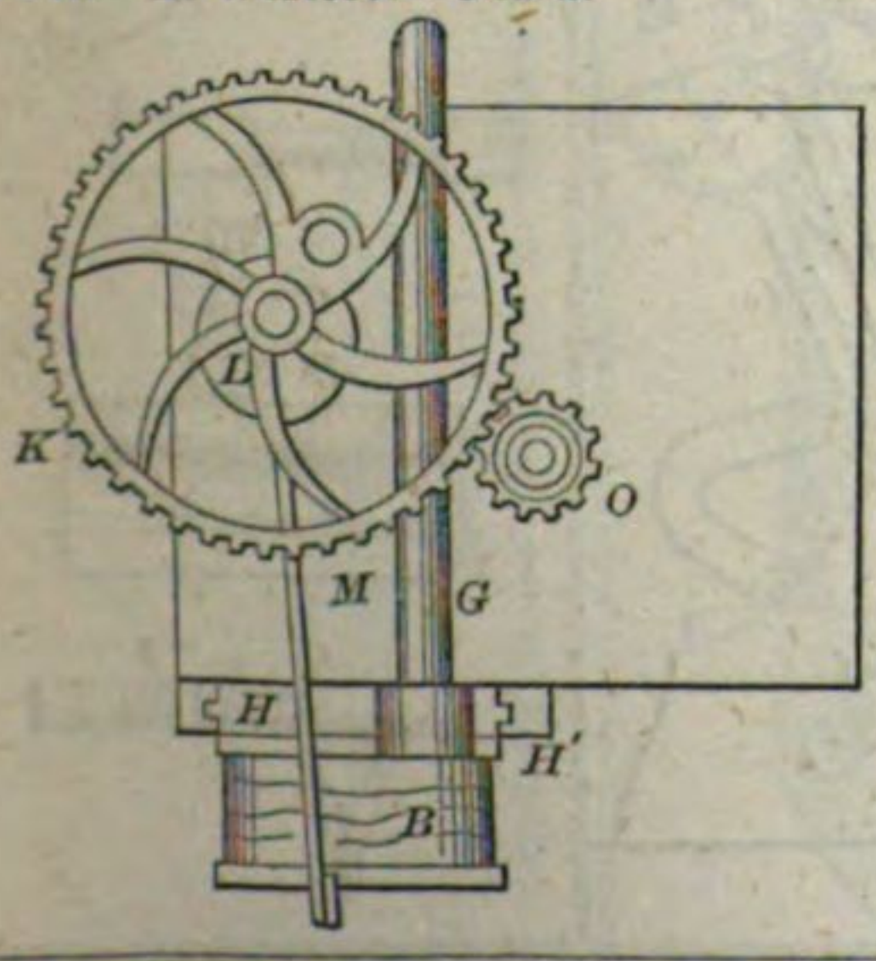
52916—E. Ward—*Attaching Runners to Wheels of Wagons.*



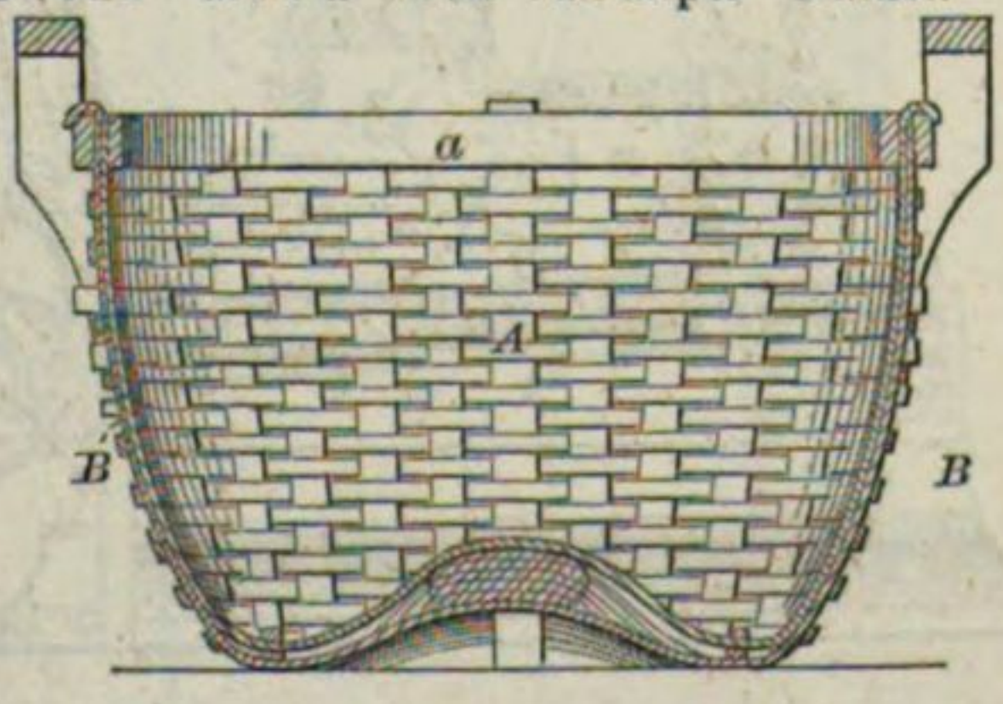
52918—M. J. West—*Marking Attachment for Sewing Machines.*



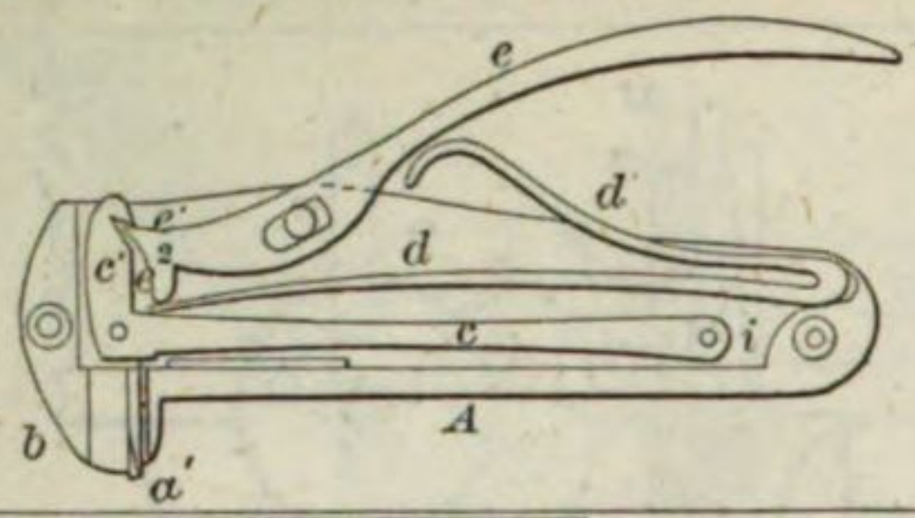
52919—A. Westcott—*Churn.*



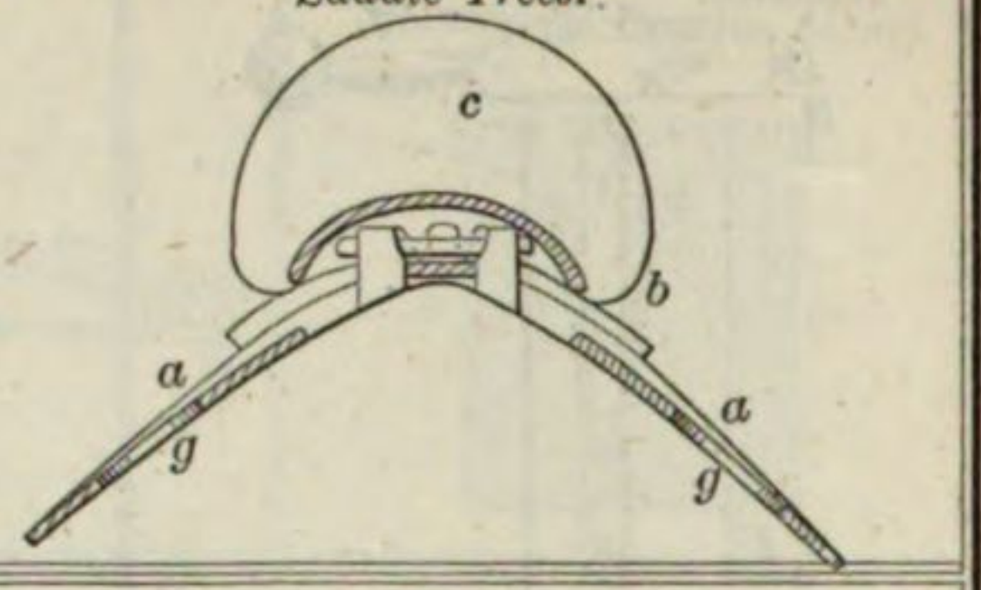
52914—G. Z. & W. A. Van Riper—*Basket.*



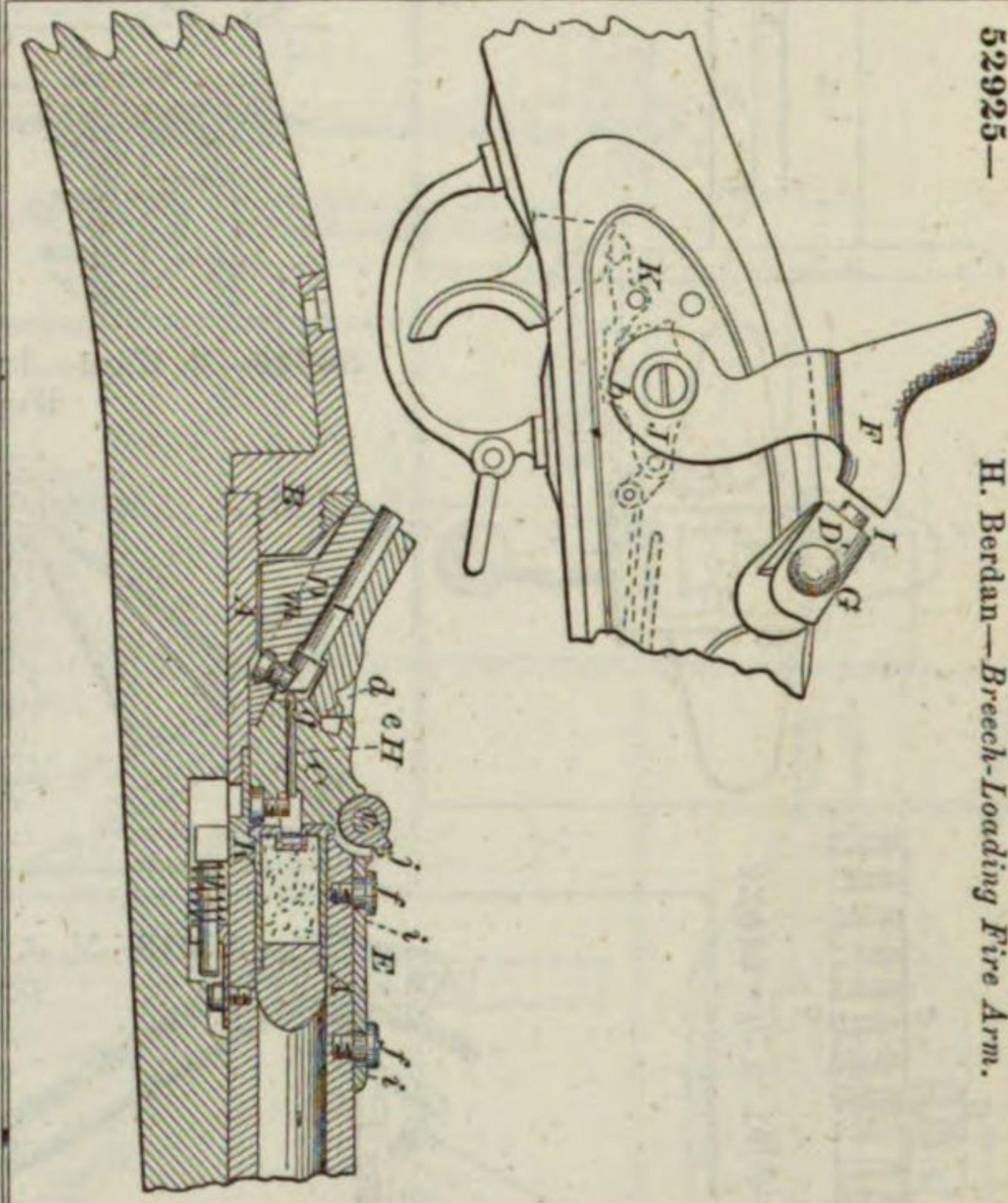
52921—A. Whittemore—*Vaccinnator.*



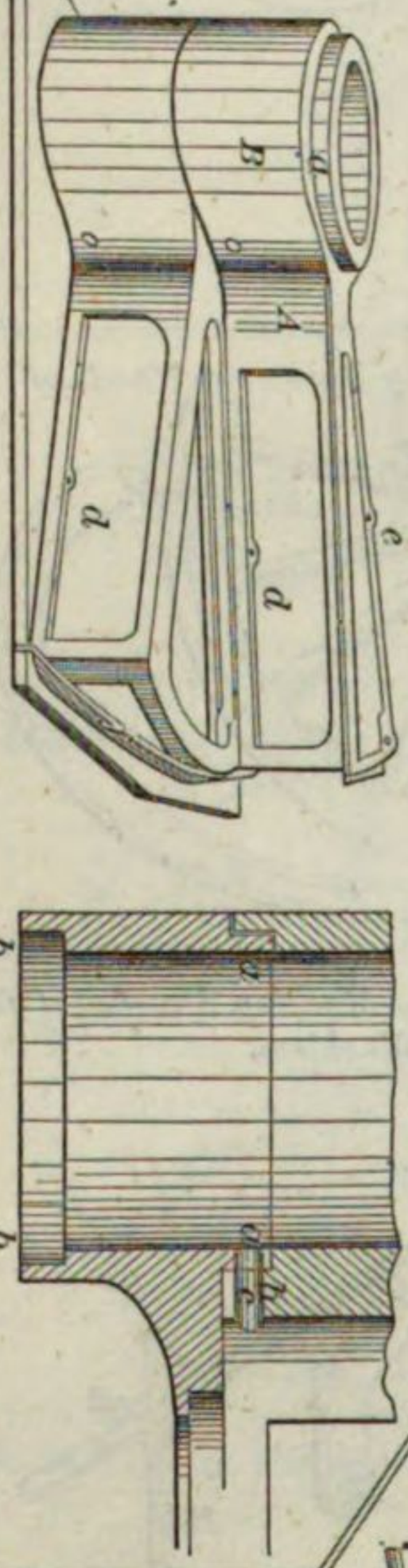
52924—J. C. Young—*Crupper Loop for Saddle Trees.*



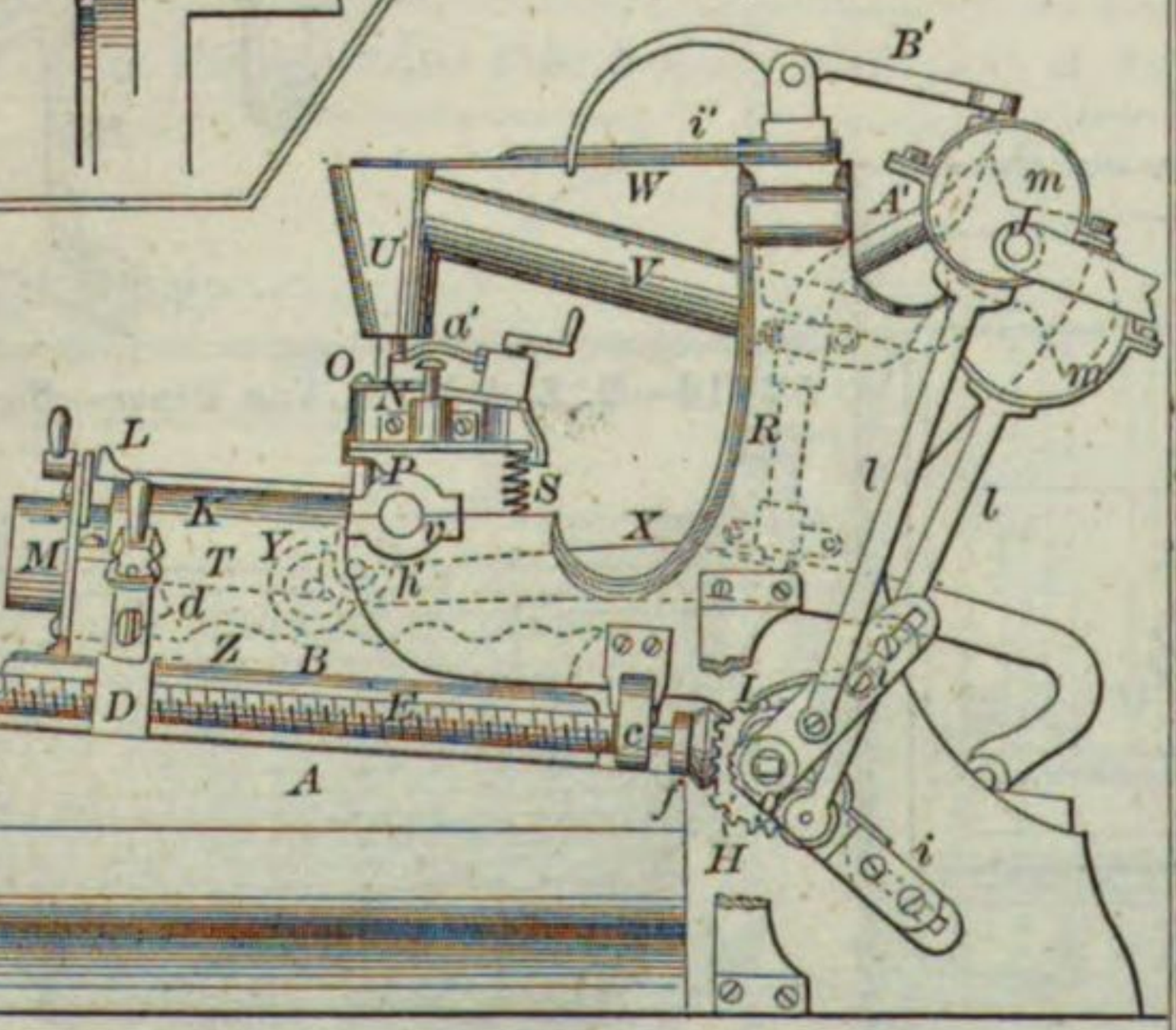
52925—H. Berdan—*Breech-Loading Fire Arm.*



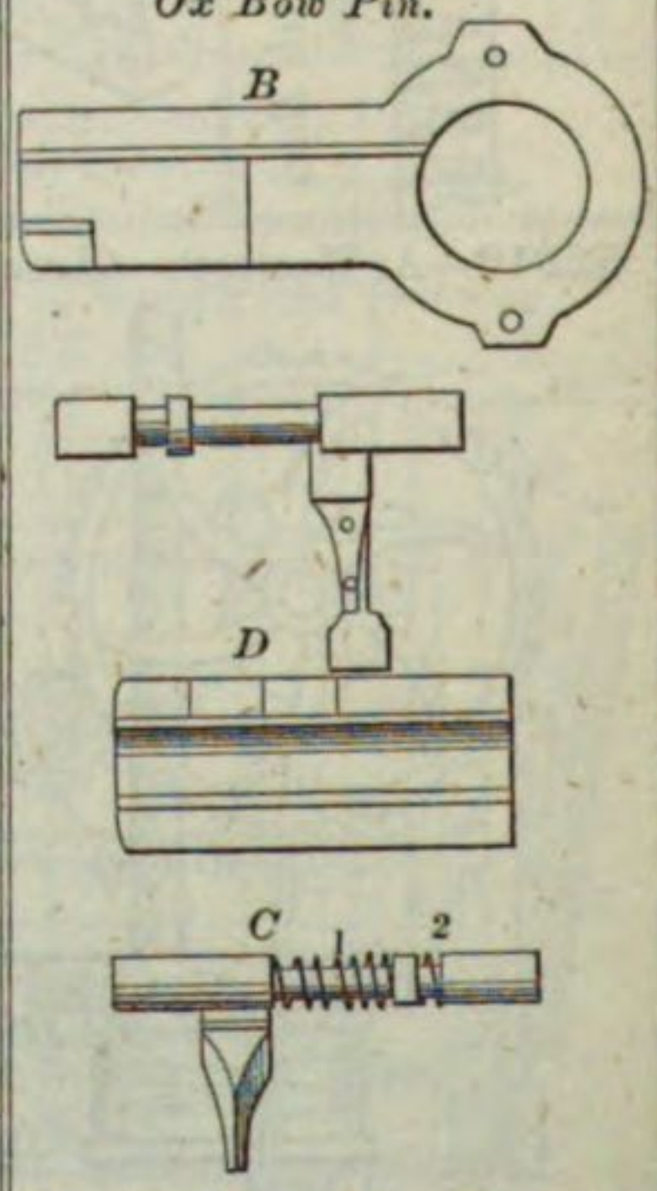
52922—W. Widmayer—*Spiral Stair.*



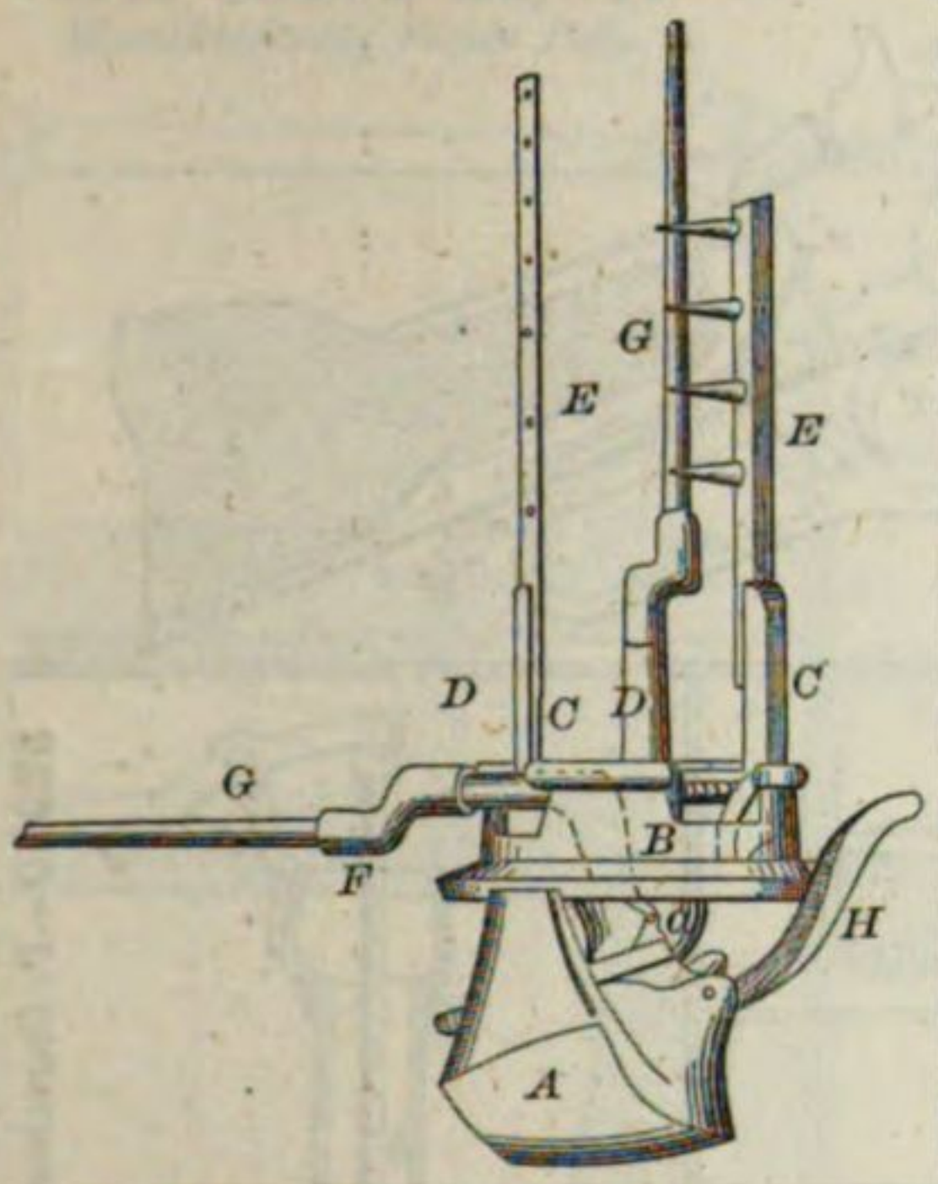
52926—E. Bucklin Jr—*For Cutting Files.*



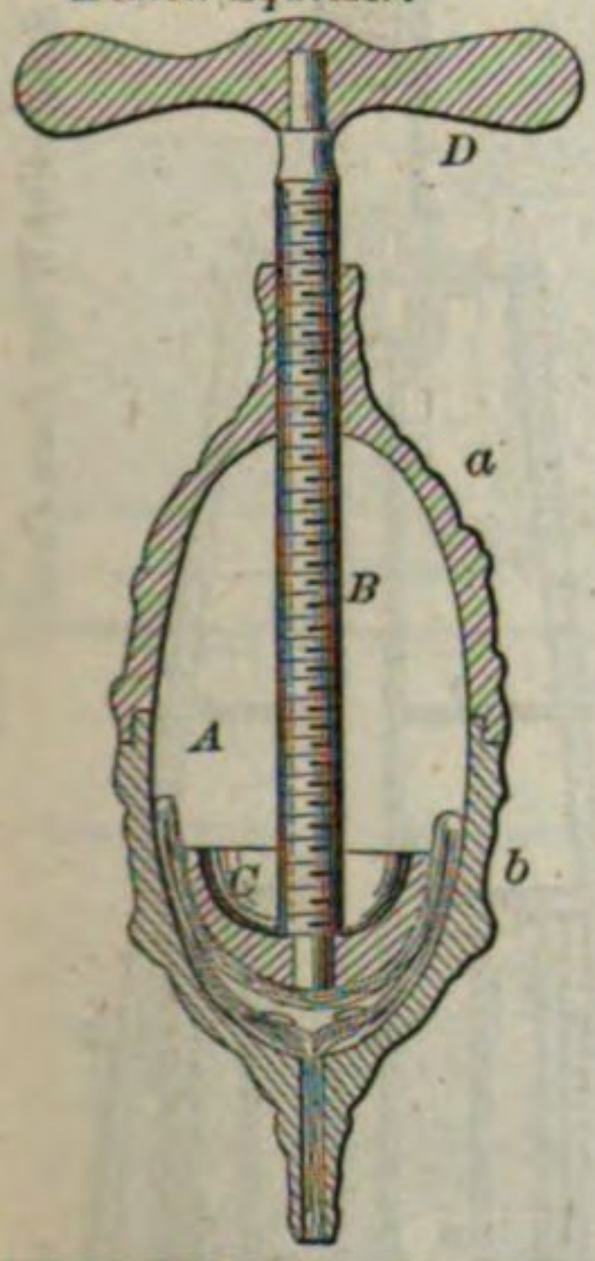
52923—E. S. Woodford—*Ox Bow Pin.*



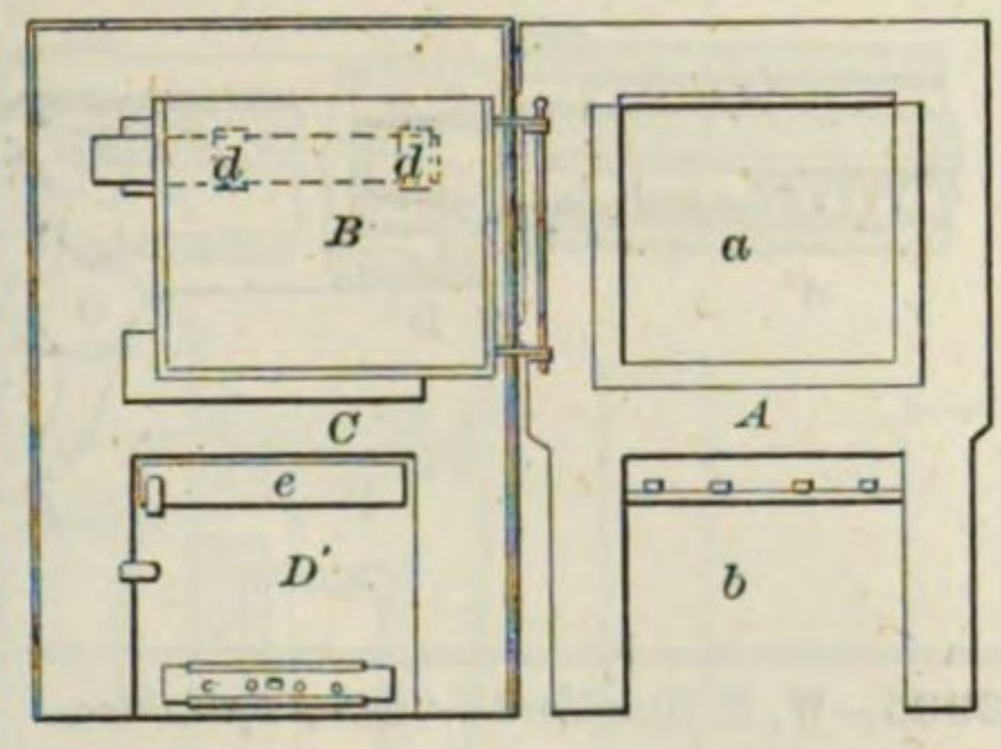
52927—O. H. Burdick—*Harvester.*

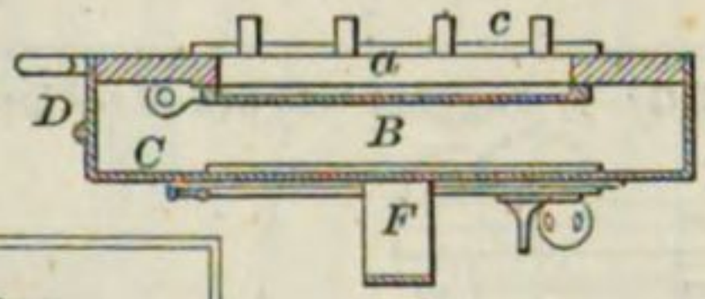


52928—V. Fogerty—
Lemon Squeezer.

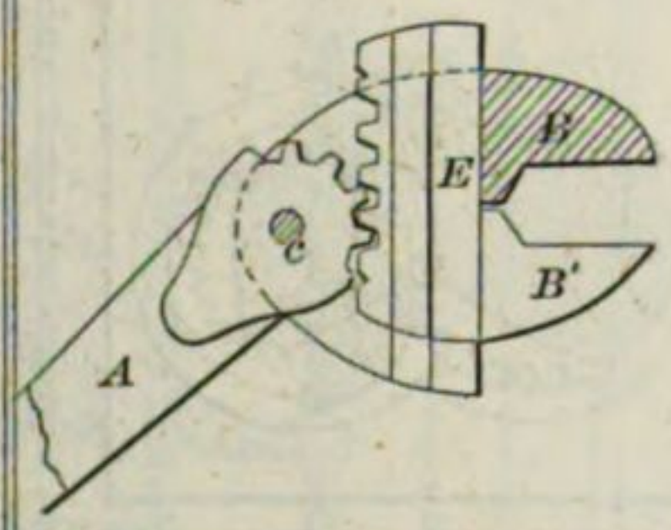


52929—E. Duffee—*Gas Retort.*



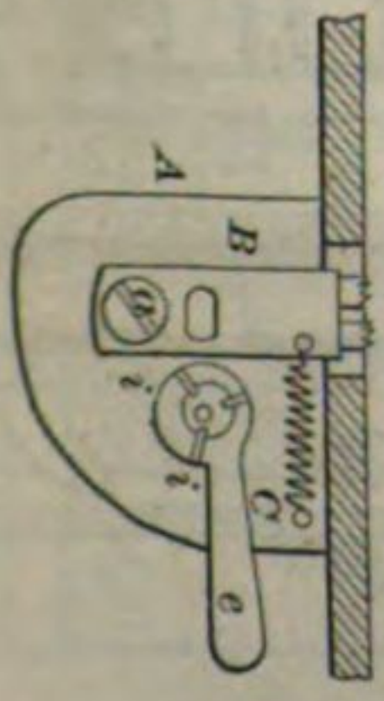


52930—W. Morehouse—
Wrench.

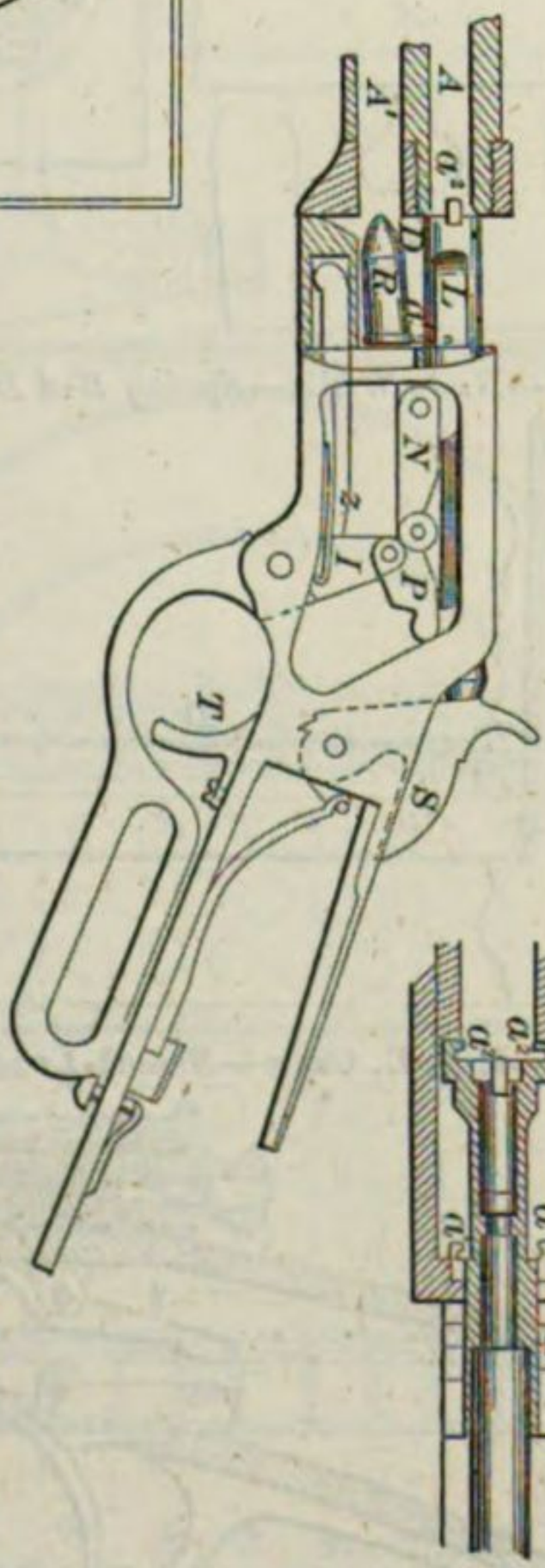


52931—M. V. Nobles—*Sinking Tubular Wells.*

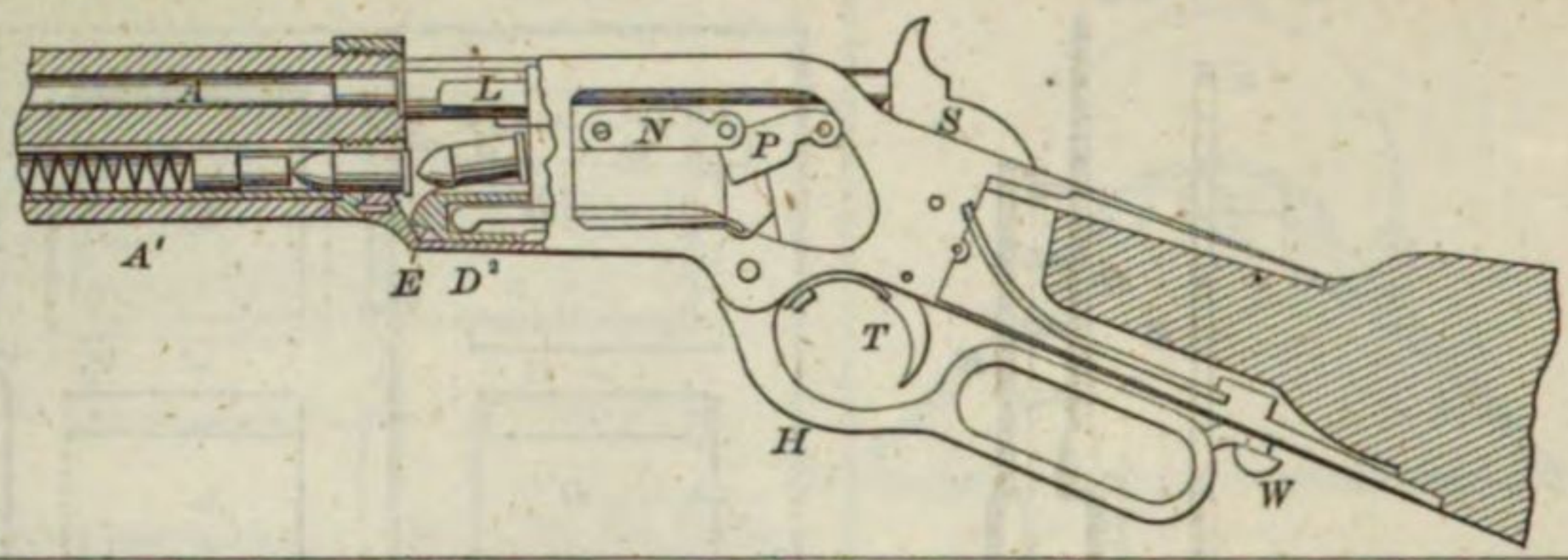
52932—G. Rehfuss—*Sewing Machine Feed Adjuster.*



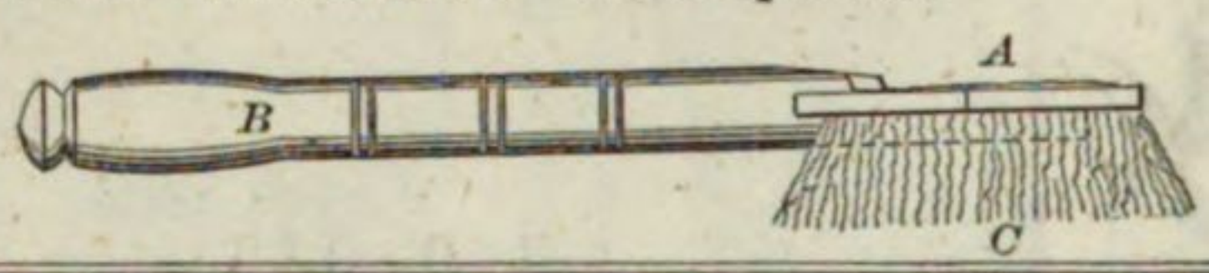
52933—J. D. Smith—*Magazine Fire Arm.*



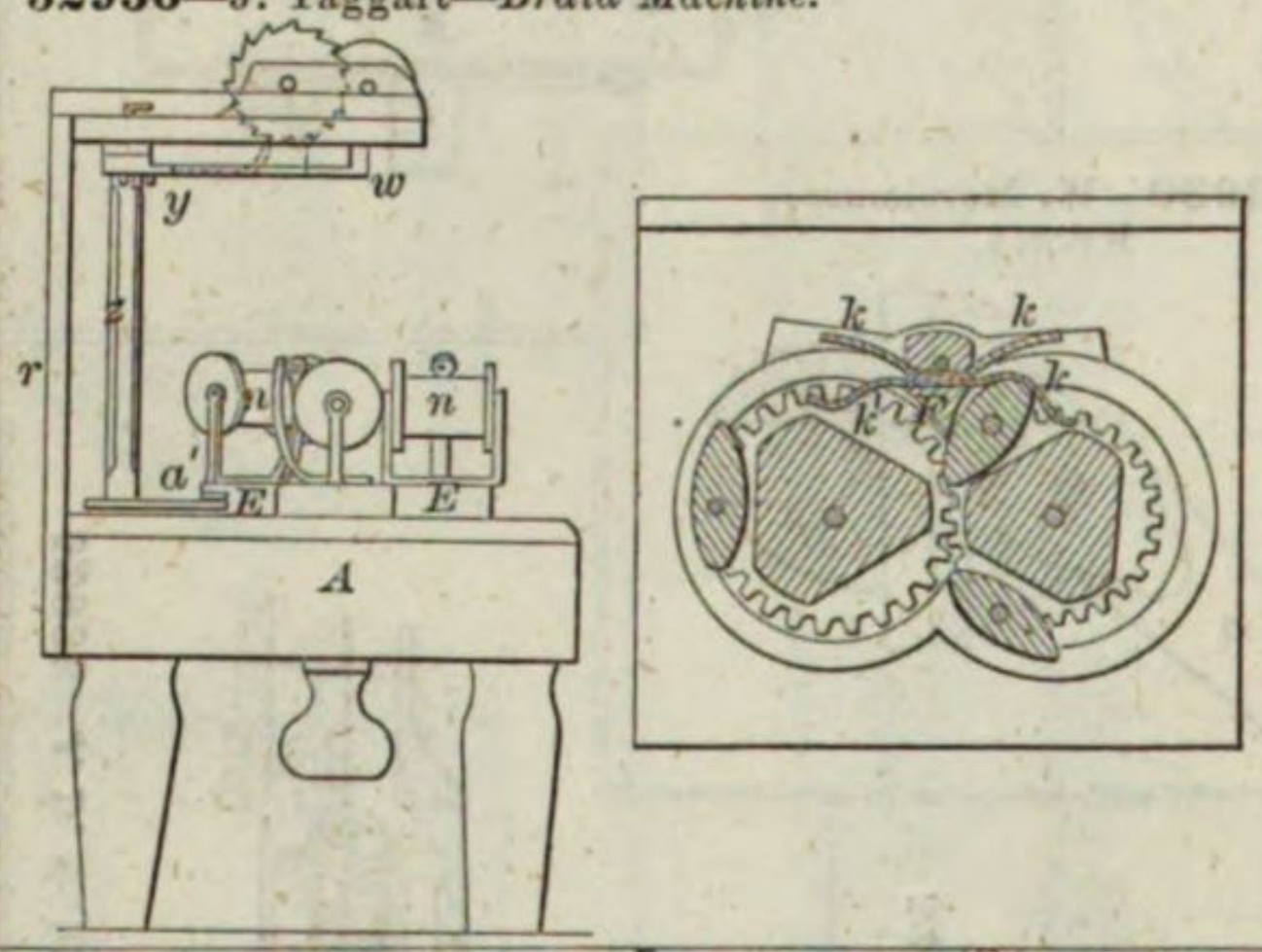
52934—J. D. Smith—*Magazine Fire Arm.*



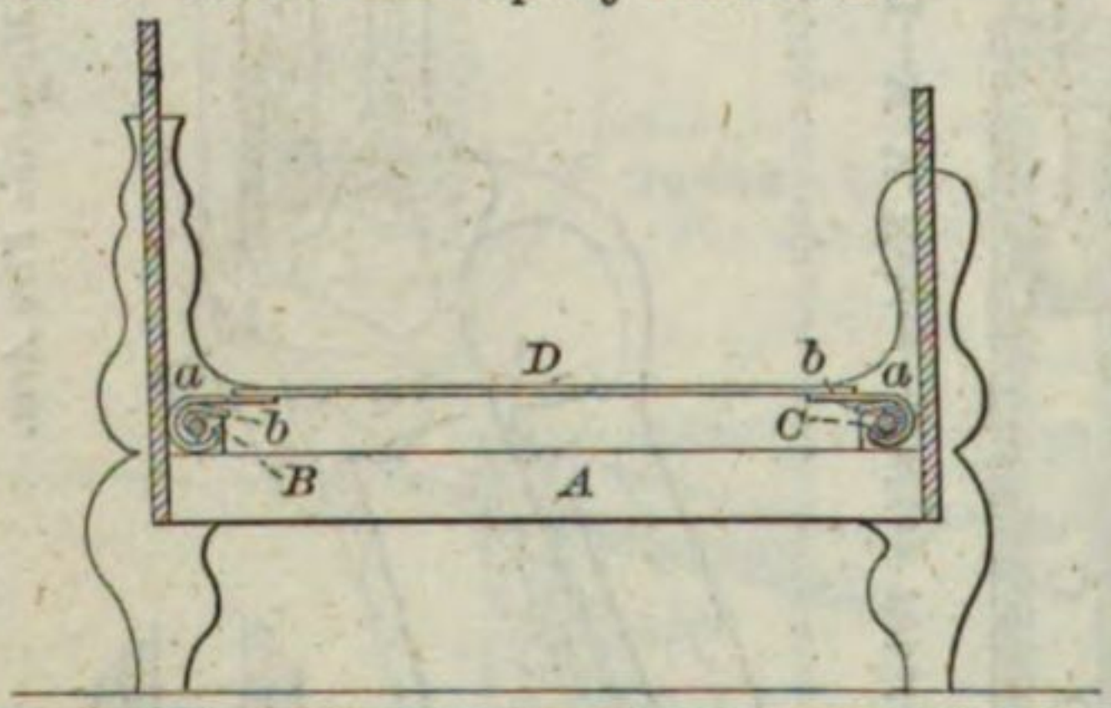
52935—W. E. Staniford—*Clothes Sprinkler.*



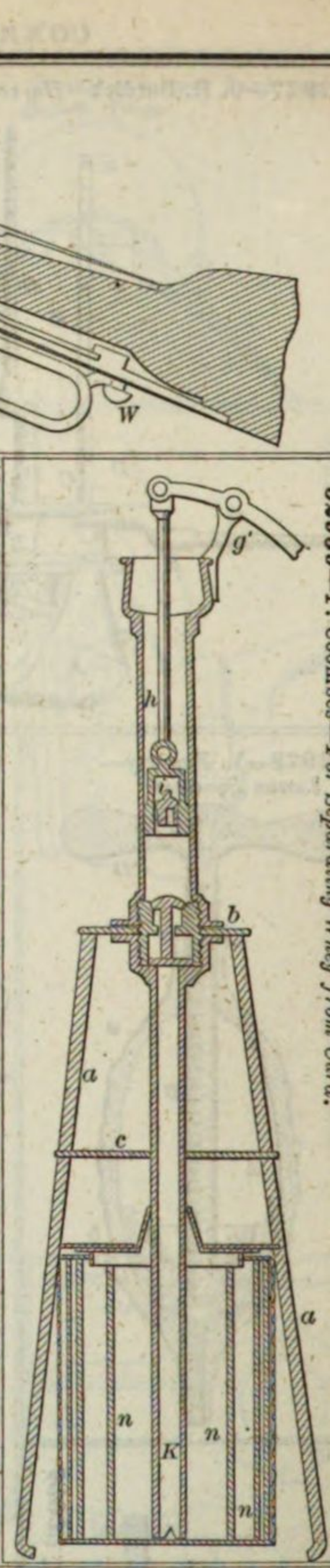
52936—J. Taggart—*Braid Machine.*



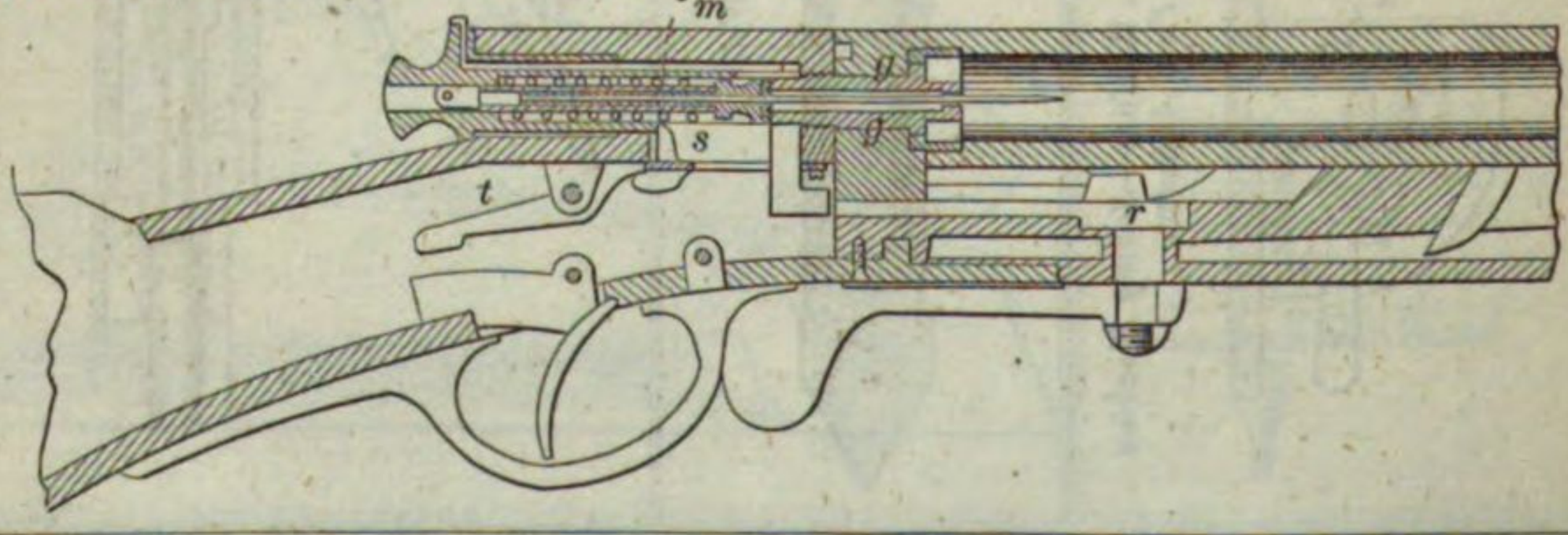
52937—N. J. Willis—*Spring Bed Bottom.*



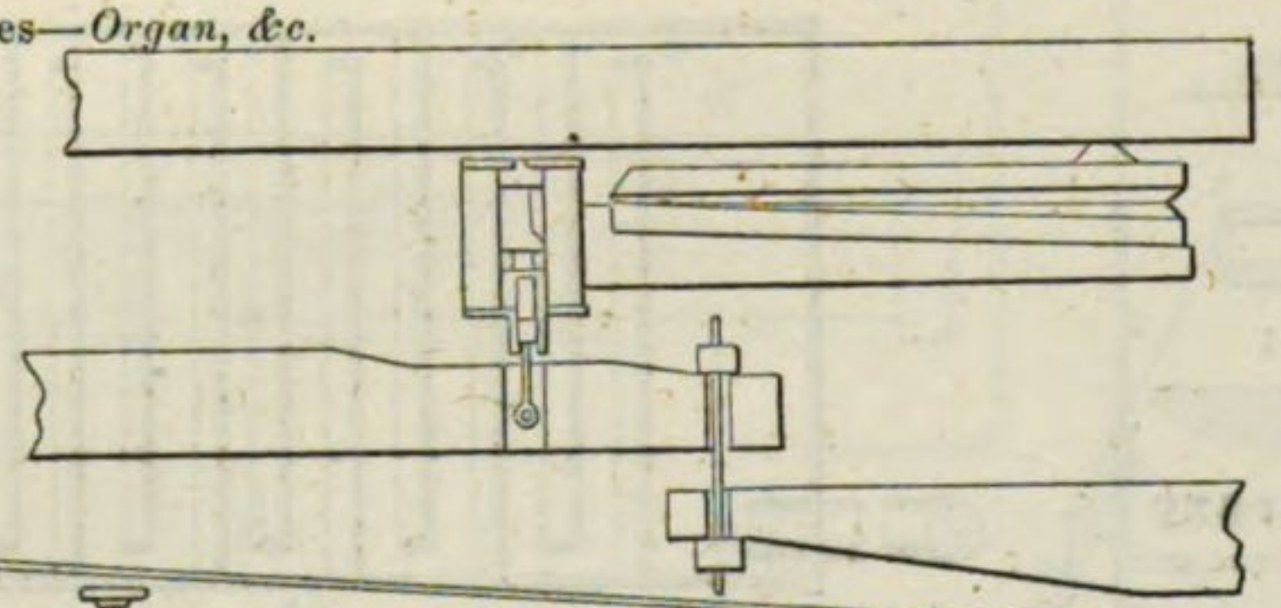
52939—P. Coombes—*For Separating Whey from Curd.*

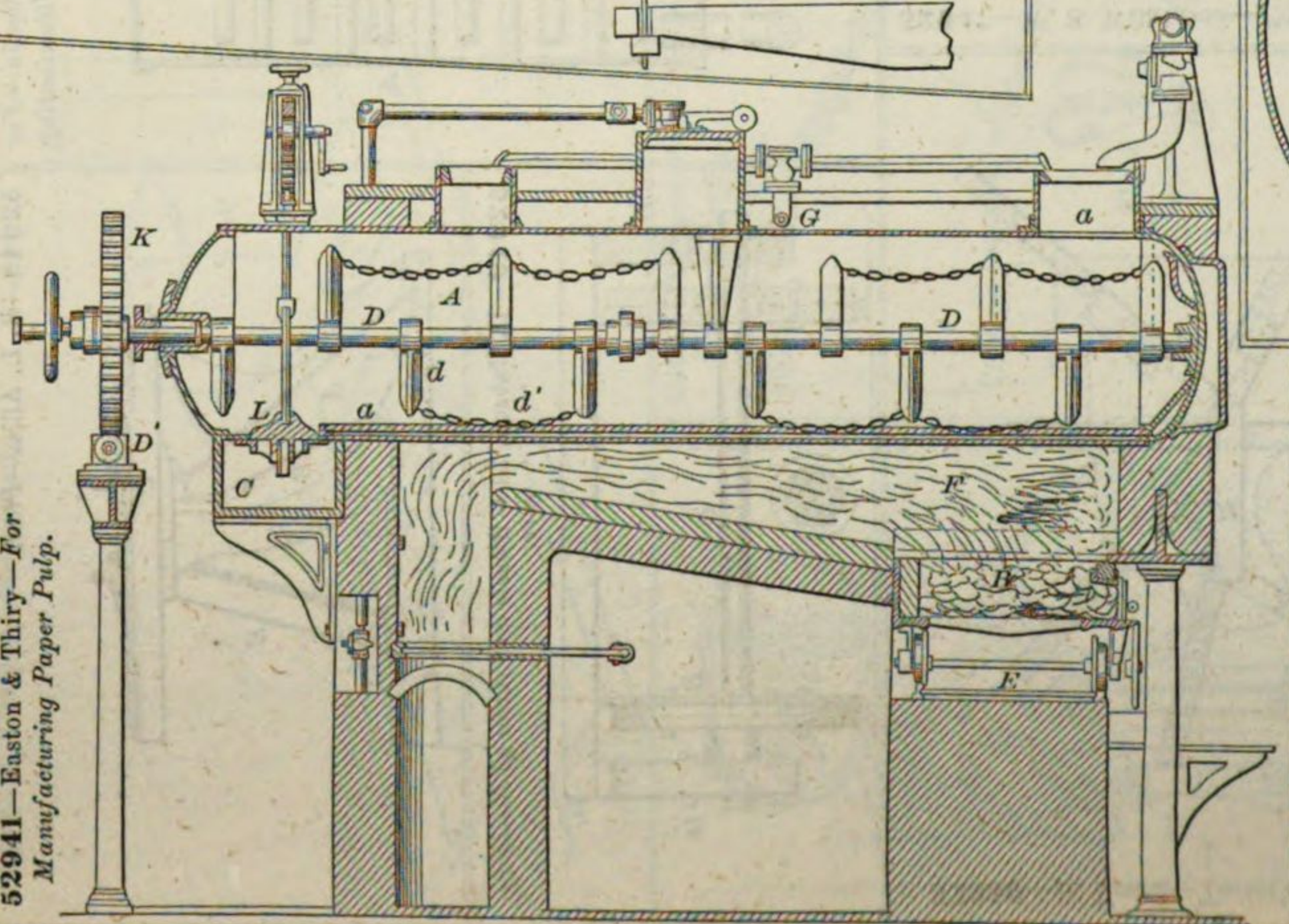


52938—J. F. C. Carle—*Breech-Loading Fire Arm.*



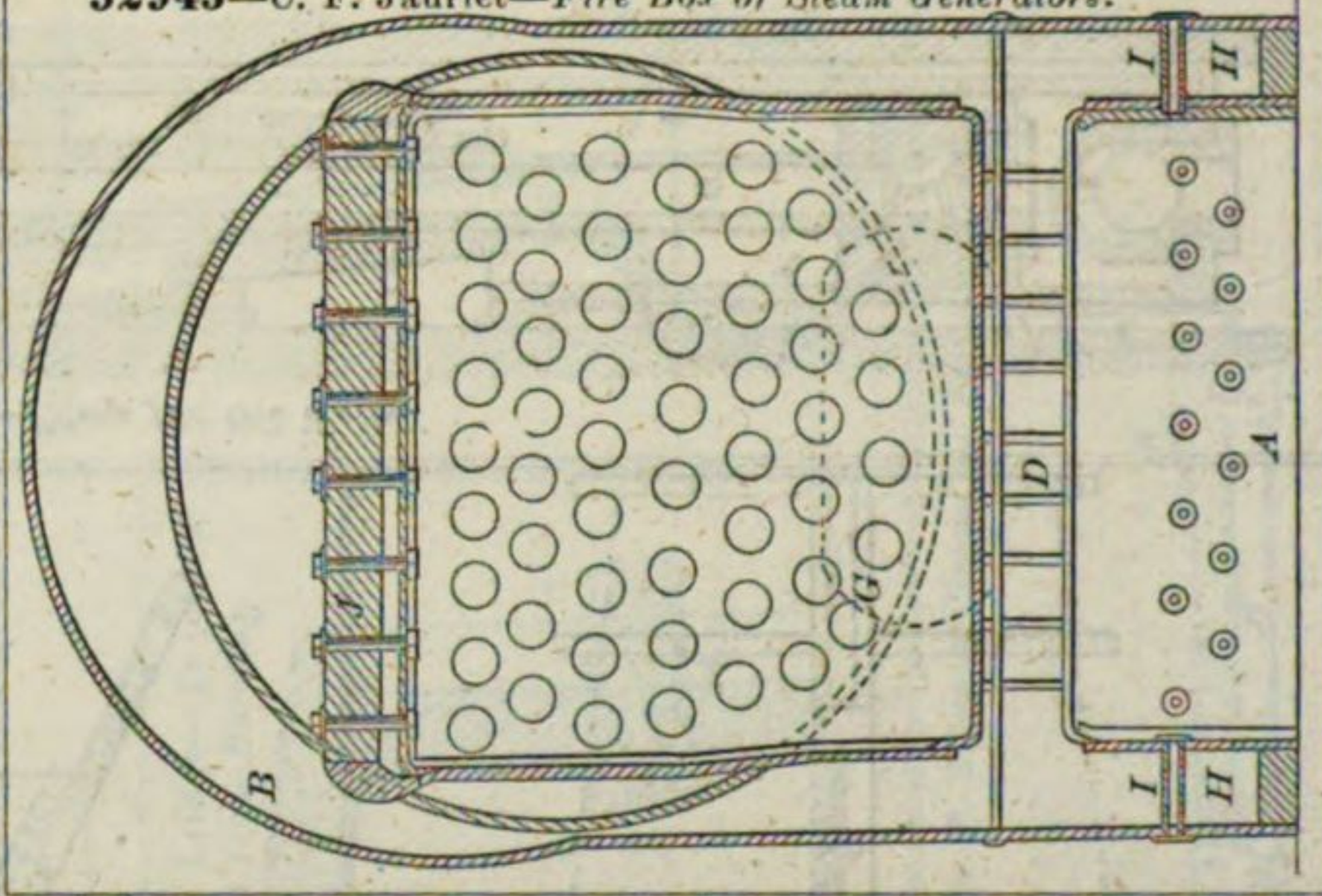
52940—W. Dawes—*Organ, &c.*



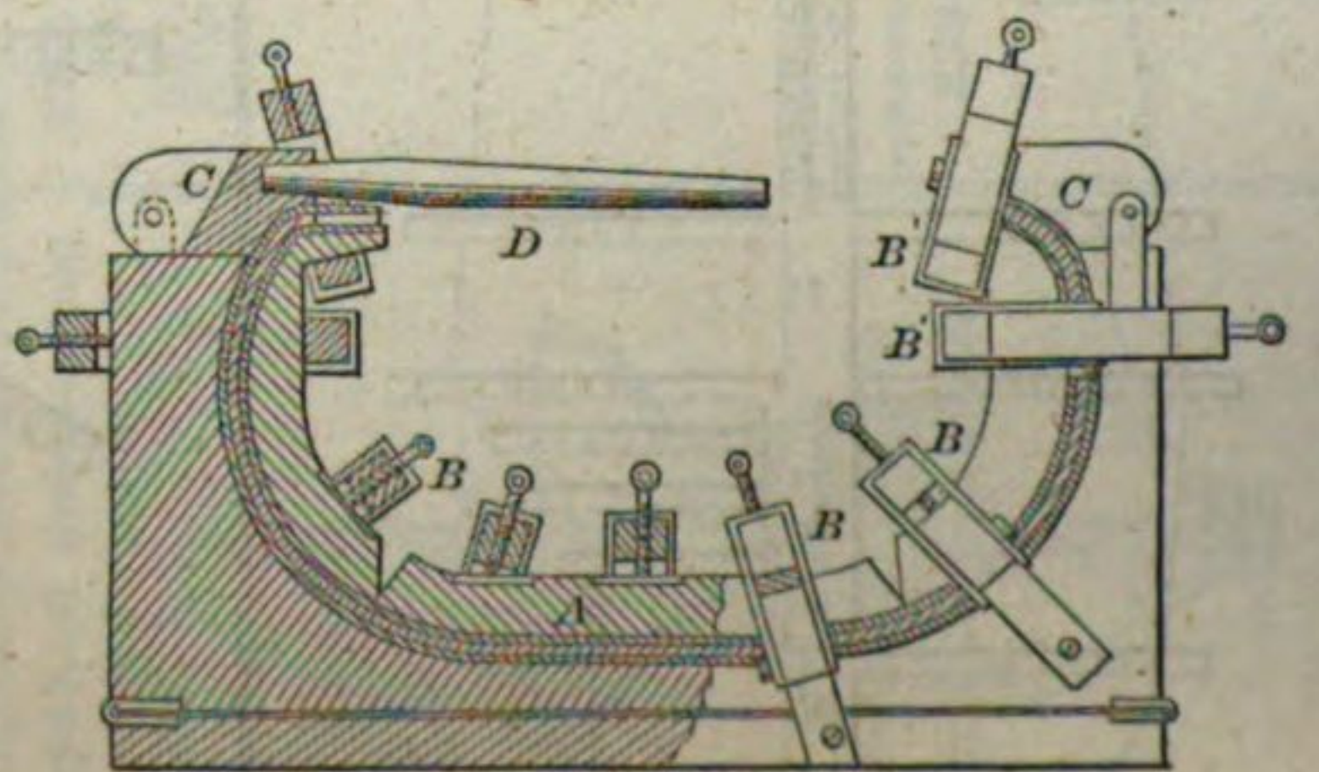


52941—Easton & Thiry—*For Manufacturing Paper Pulp.*

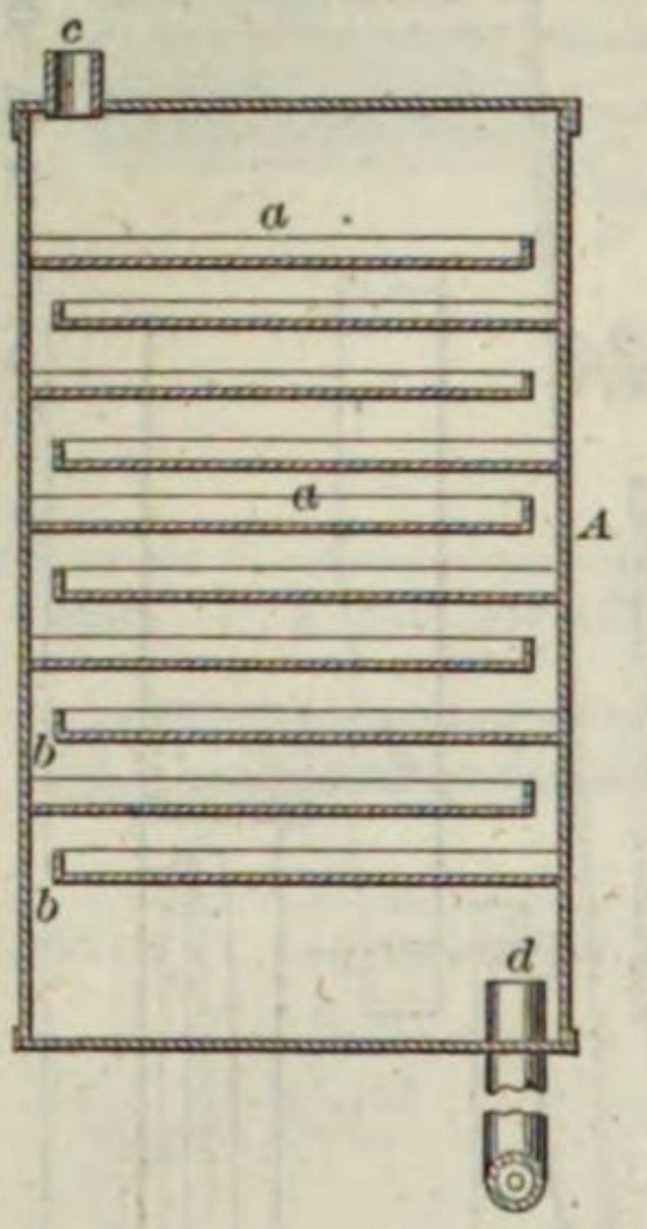
52945—C. F. Jauriet—*Fire Box of Steam Generators.*



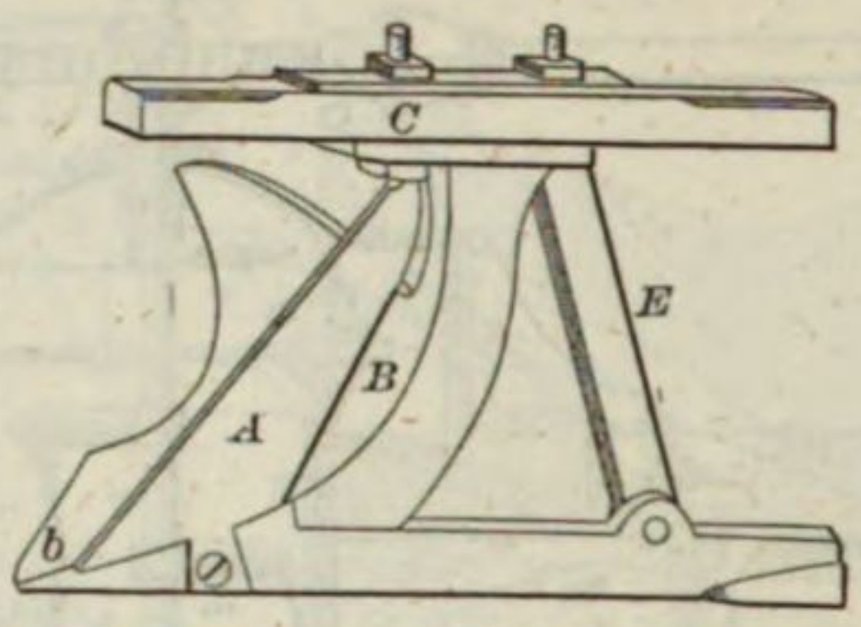
52944—E. C. Harris—*Wood Bending Machine.*



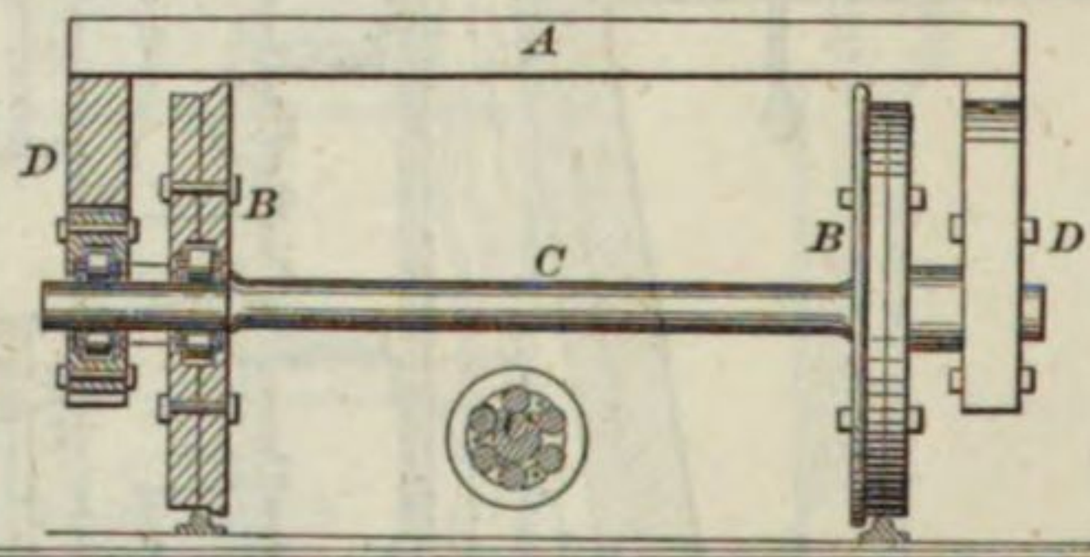
52946—S. N. Chamberlin—*For Generating Gas for Illuminating.*



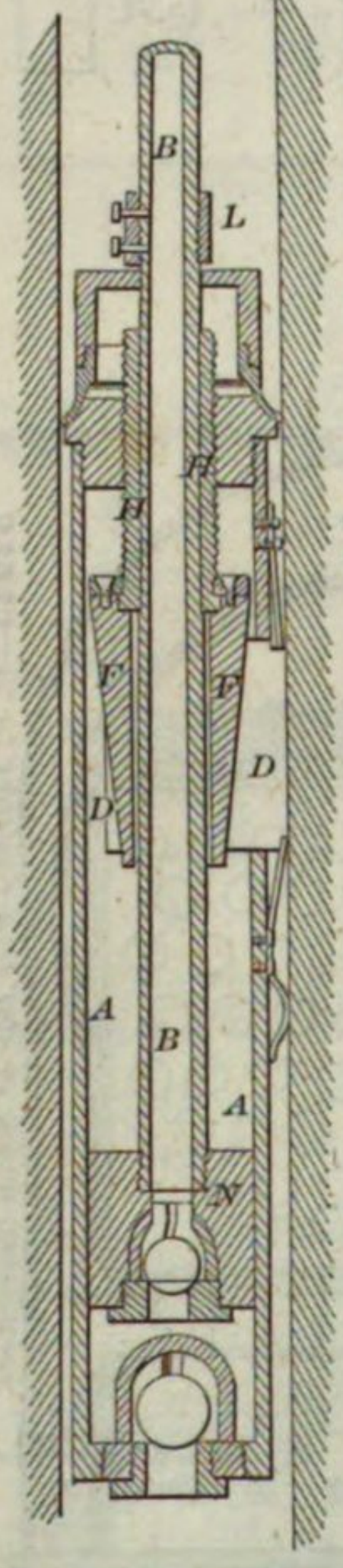
52948—R. L. Allen—*Plow.*



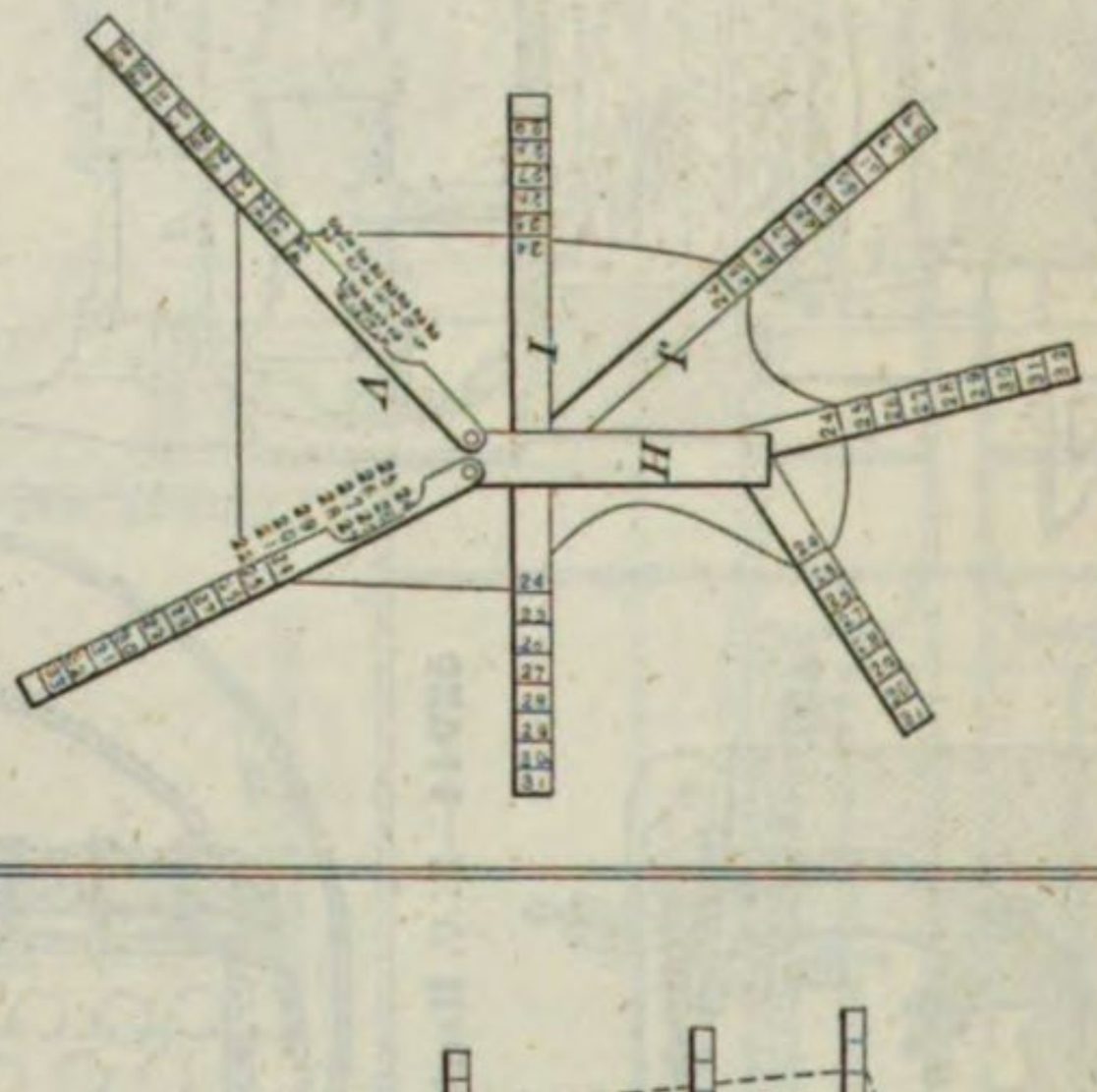
52949—D. Babson, 2d—*Wheels and Axles of Railway Cars.*



52947—W. S. Wilkinson—*Pump for Oil Wells.*

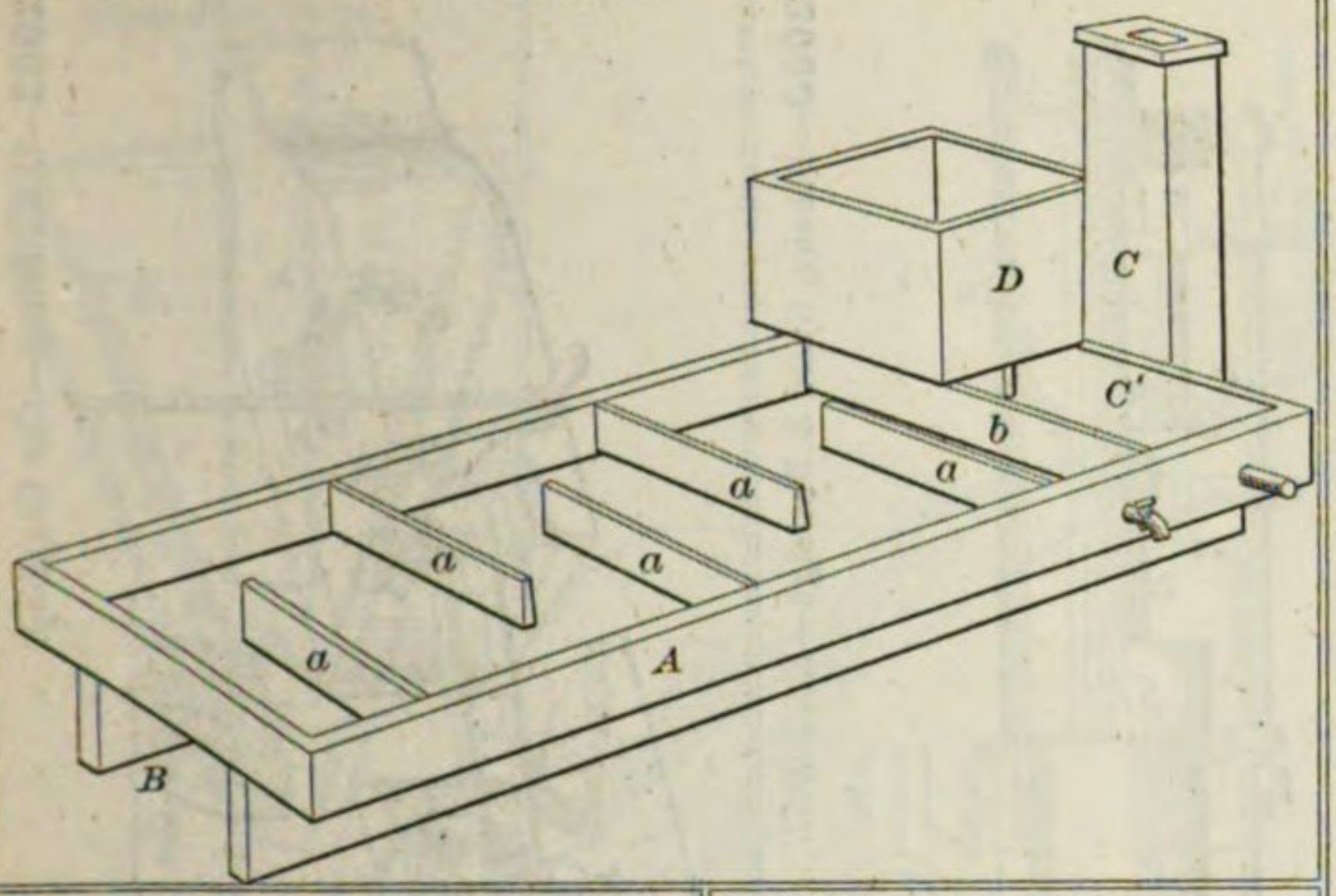


52950—G. Beard—*Tailor's Measure.*

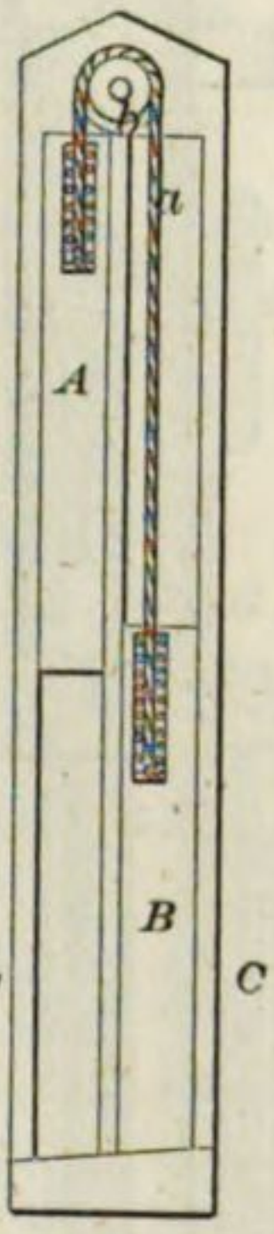


52951—G. Beard—*Tailor's Measure.*

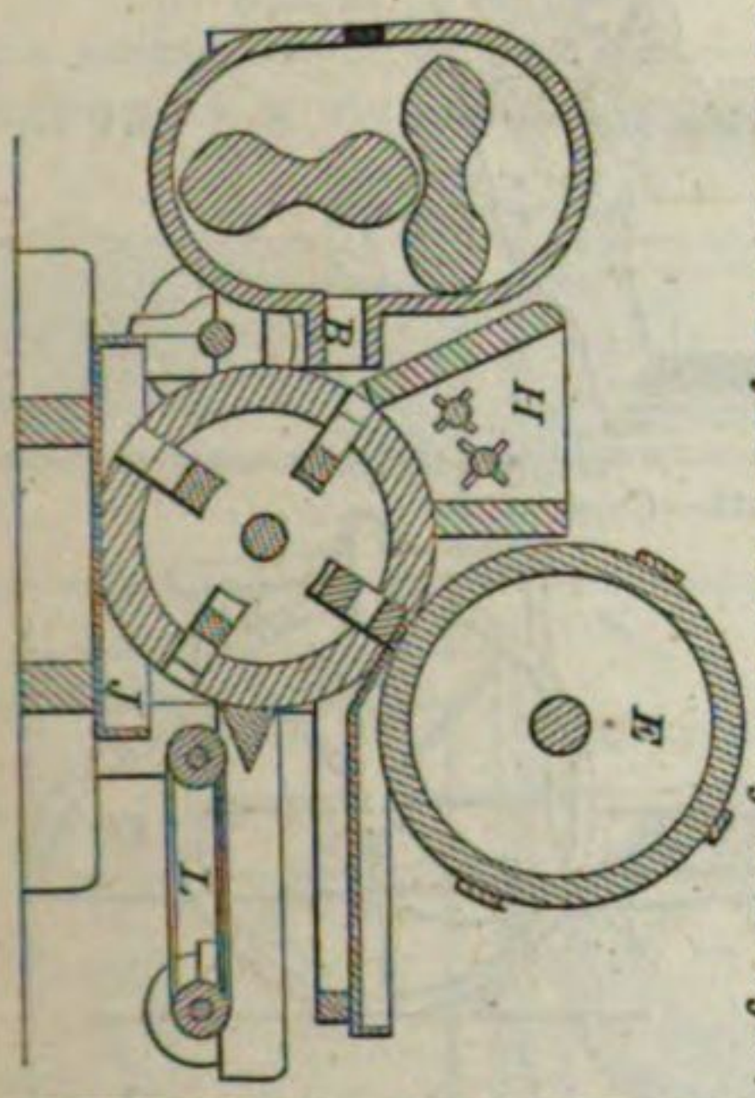
52952—J. Beechley—*Evaporator.*



52955—S. Boyer—*Window.*



52956—L. W. Boynton—*For Making Cube Sugar.*



52954—F. Borchardt—*Lacing Boots.*

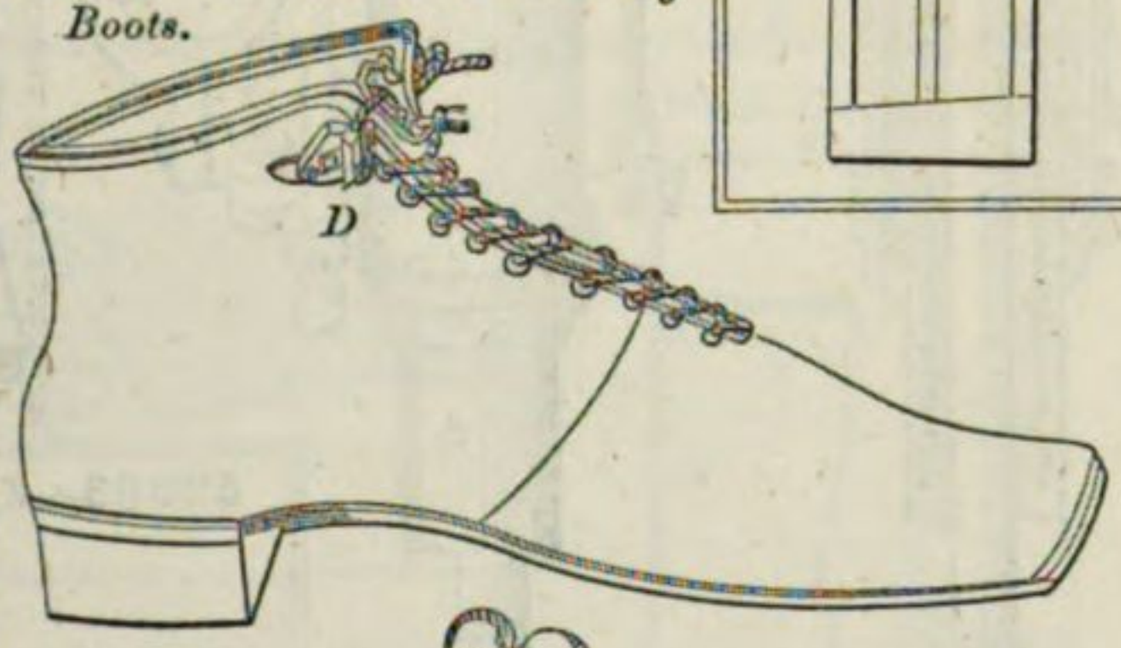
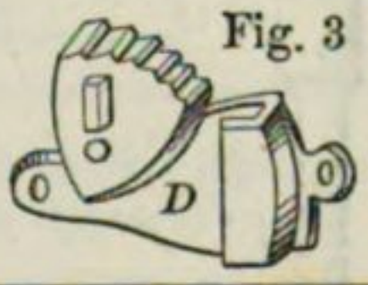
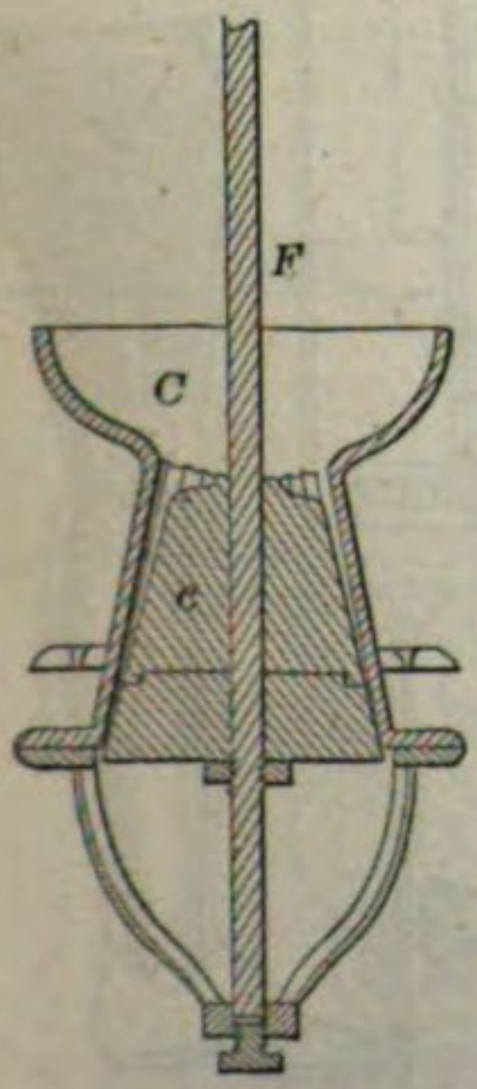


Fig. 5

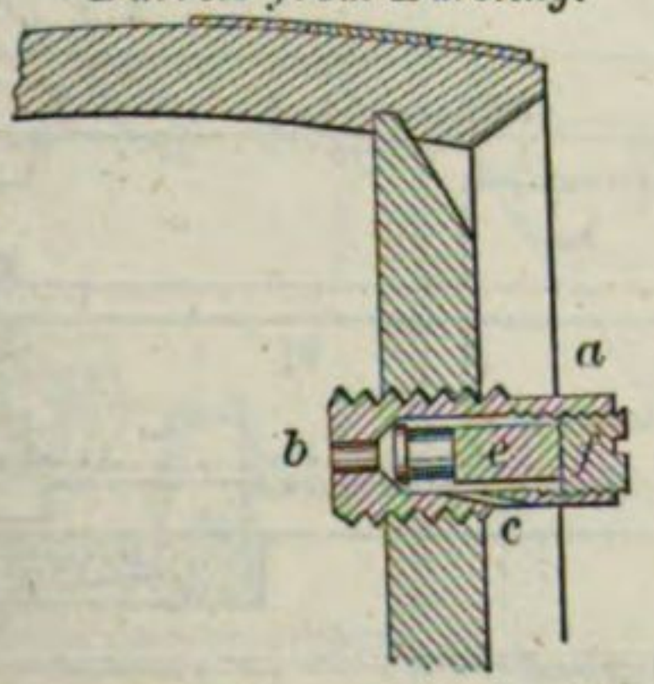
Fig. 3



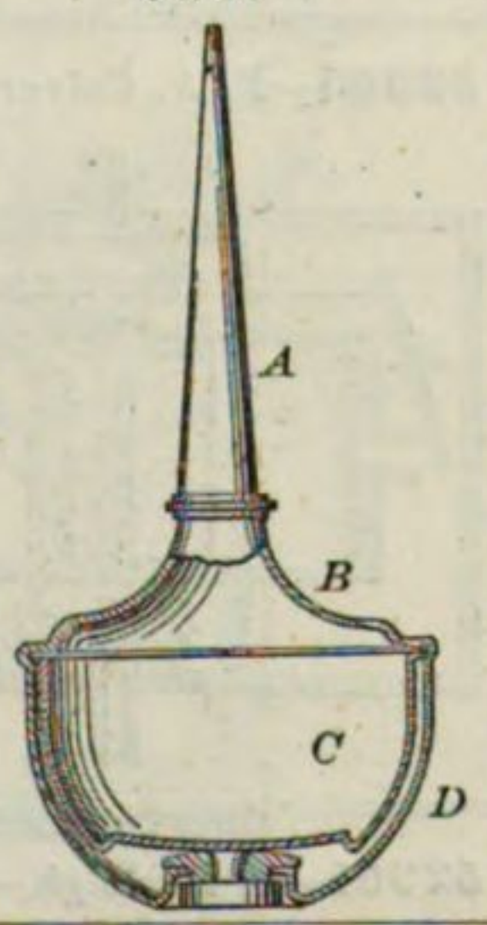
52953—M. Bishop—*Paint and Drug Mill.*



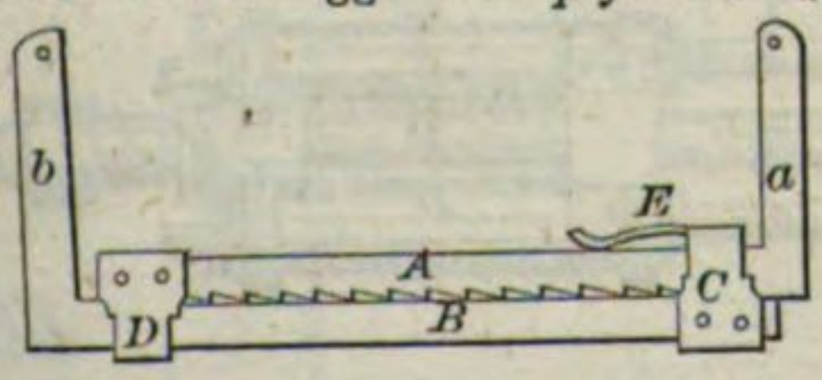
52957—R. Bridge—*To prevent Barrels from Bursting.*



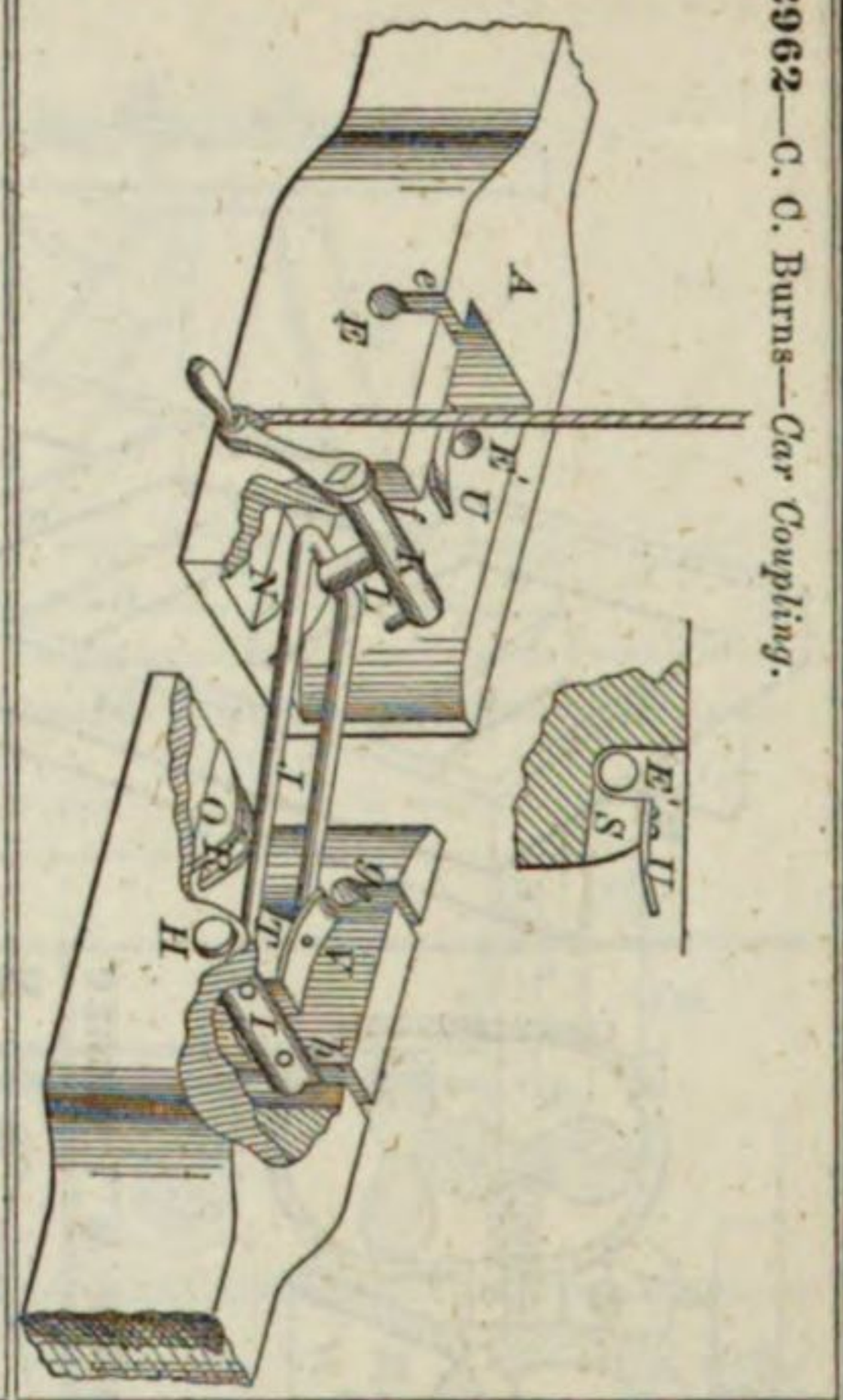
52959—J. Broughton—*Oiler.*



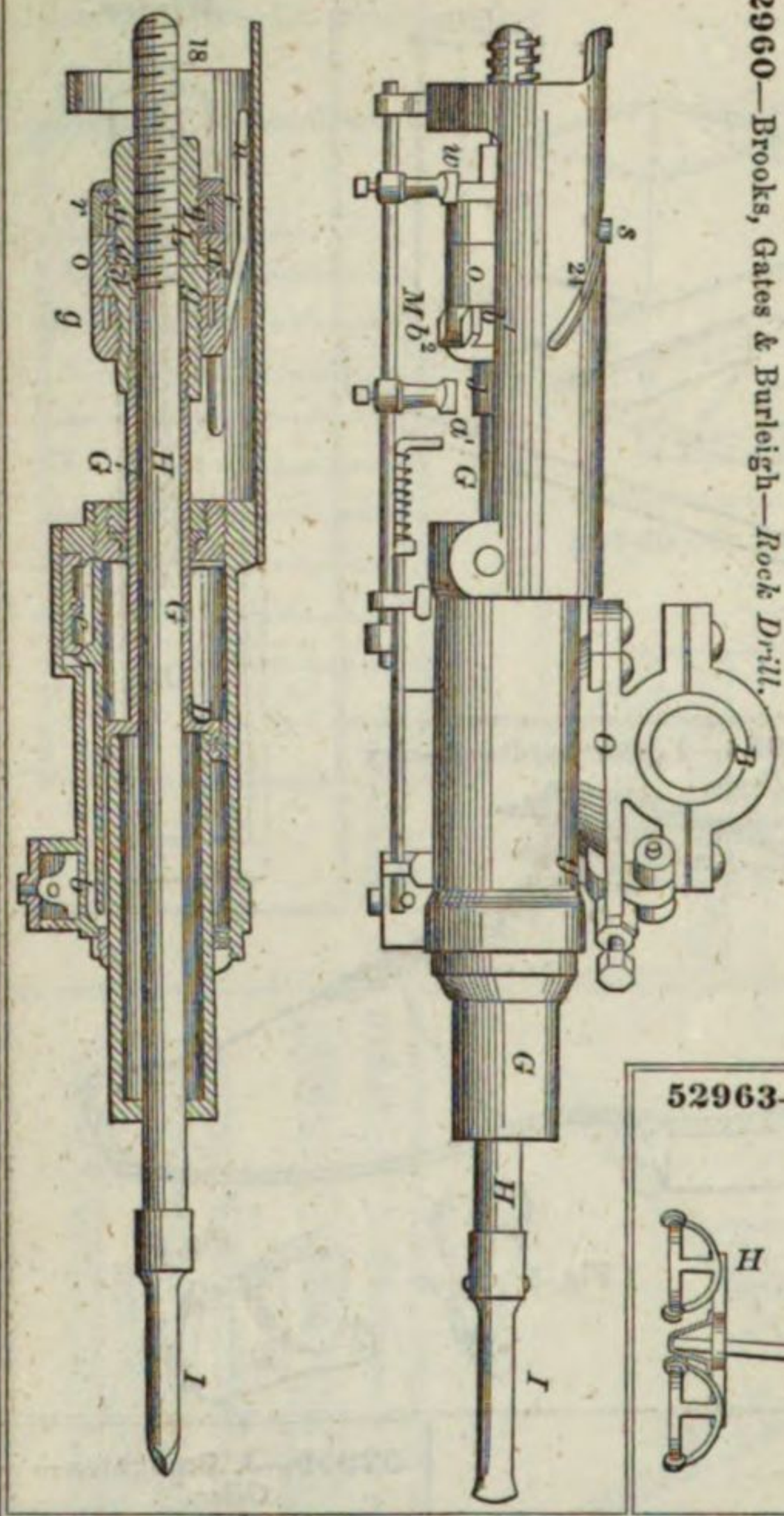
52958—A. P. Briggs—*Clamp for Furnace Men's Use.*



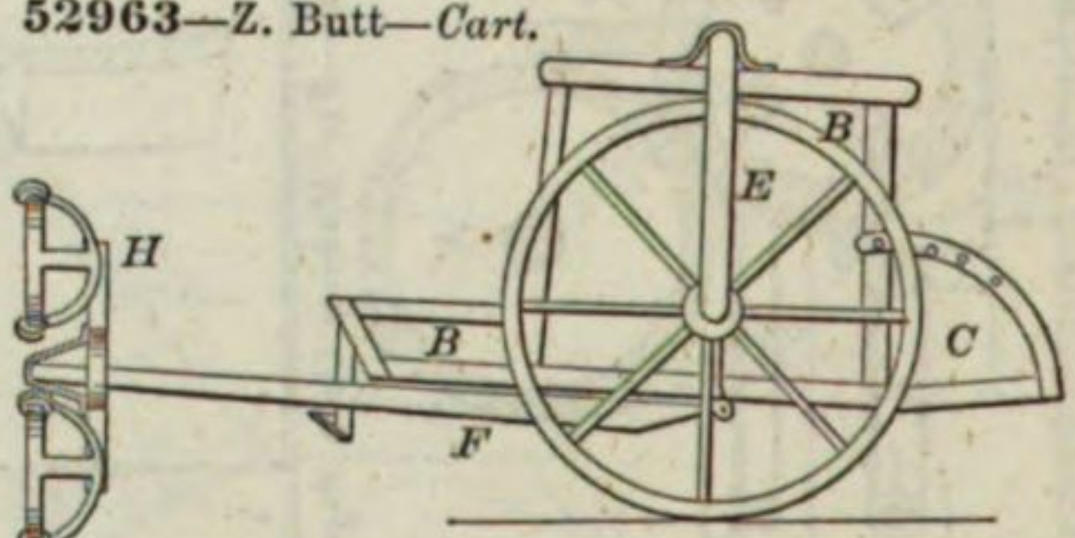
52962—C. C. Burns—*Car Coupling.*



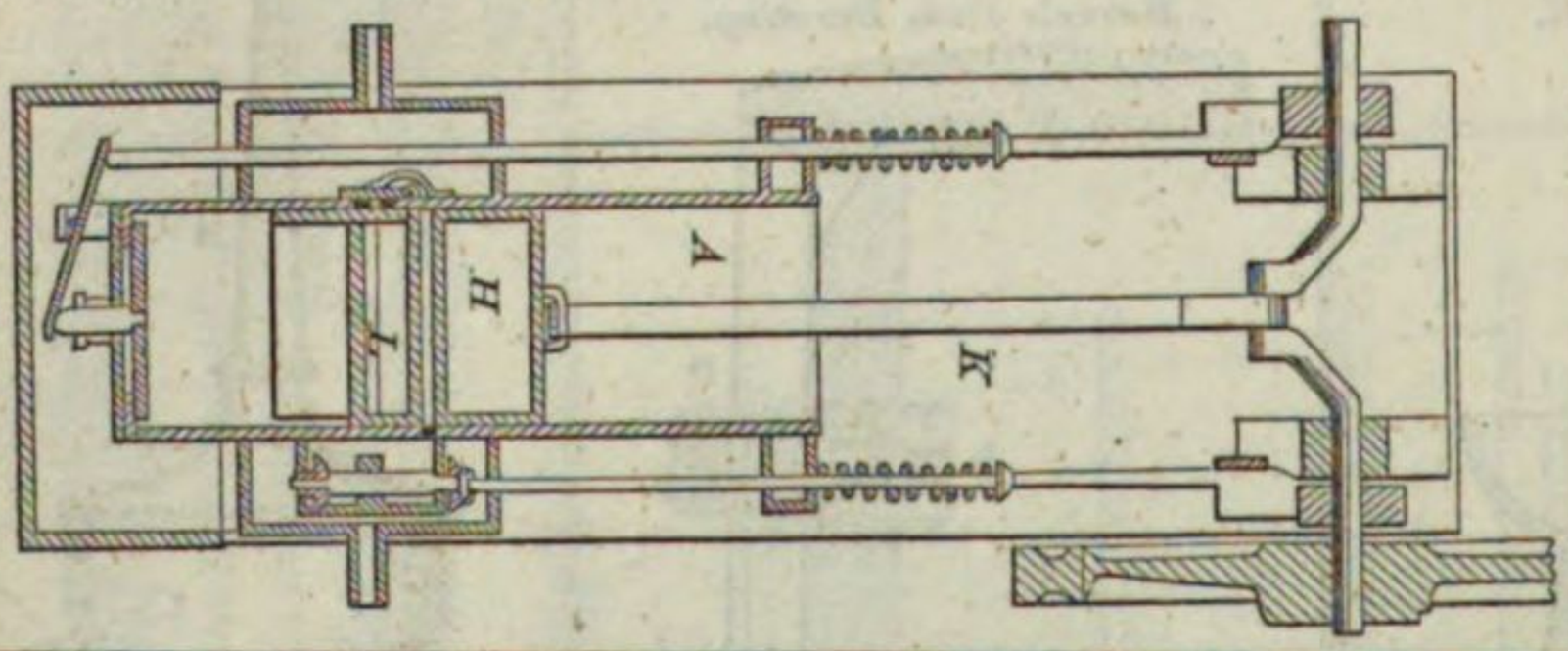
52960—Brooks, Gates & Burleigh—*Rock Drill.*



52963—Z. Butt—*Cart.*

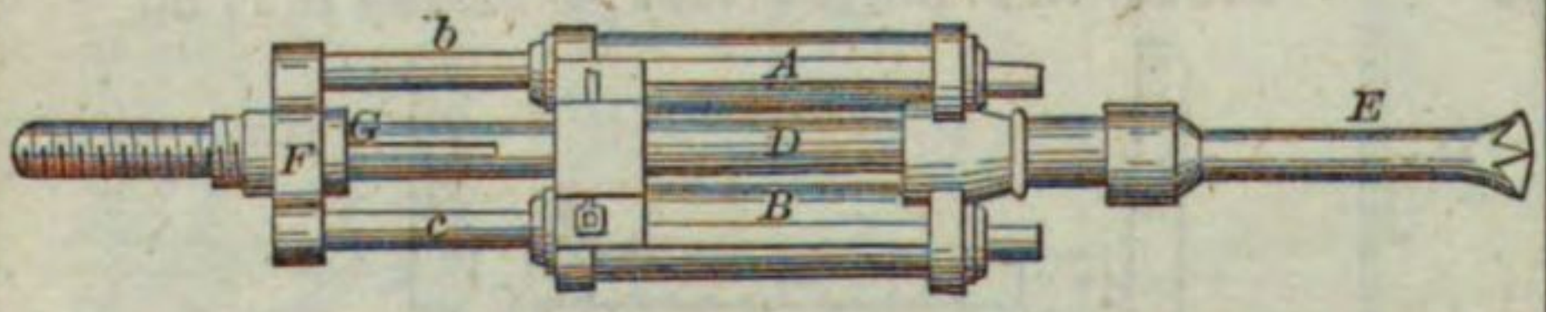


52965—F. A. Calvert—*Steam Engine.*

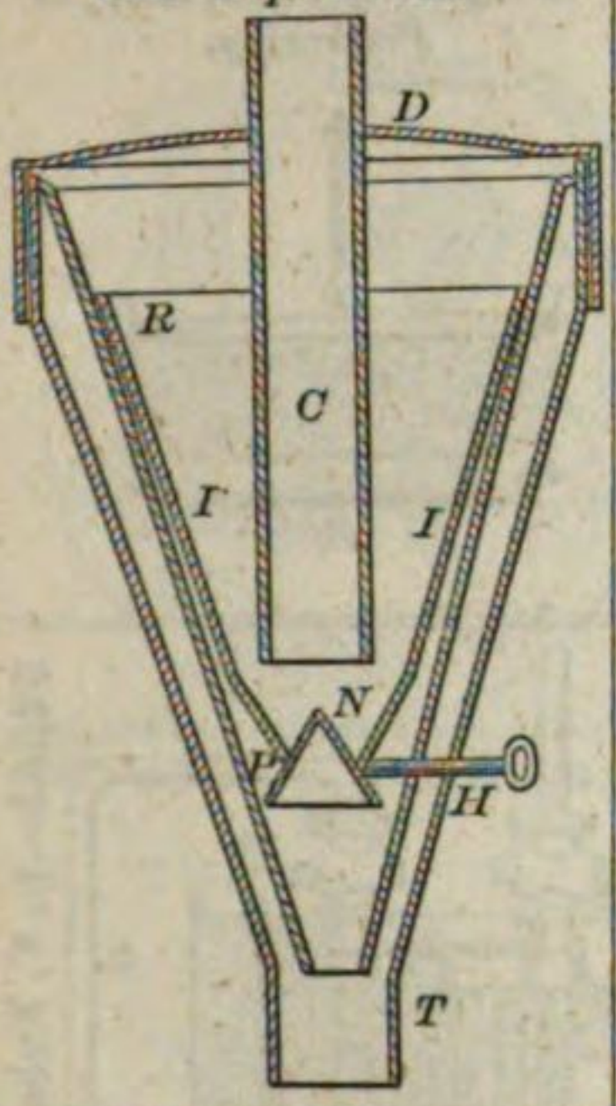


52964—H. L. Byrd, M. D.—*Artificial Leg.*

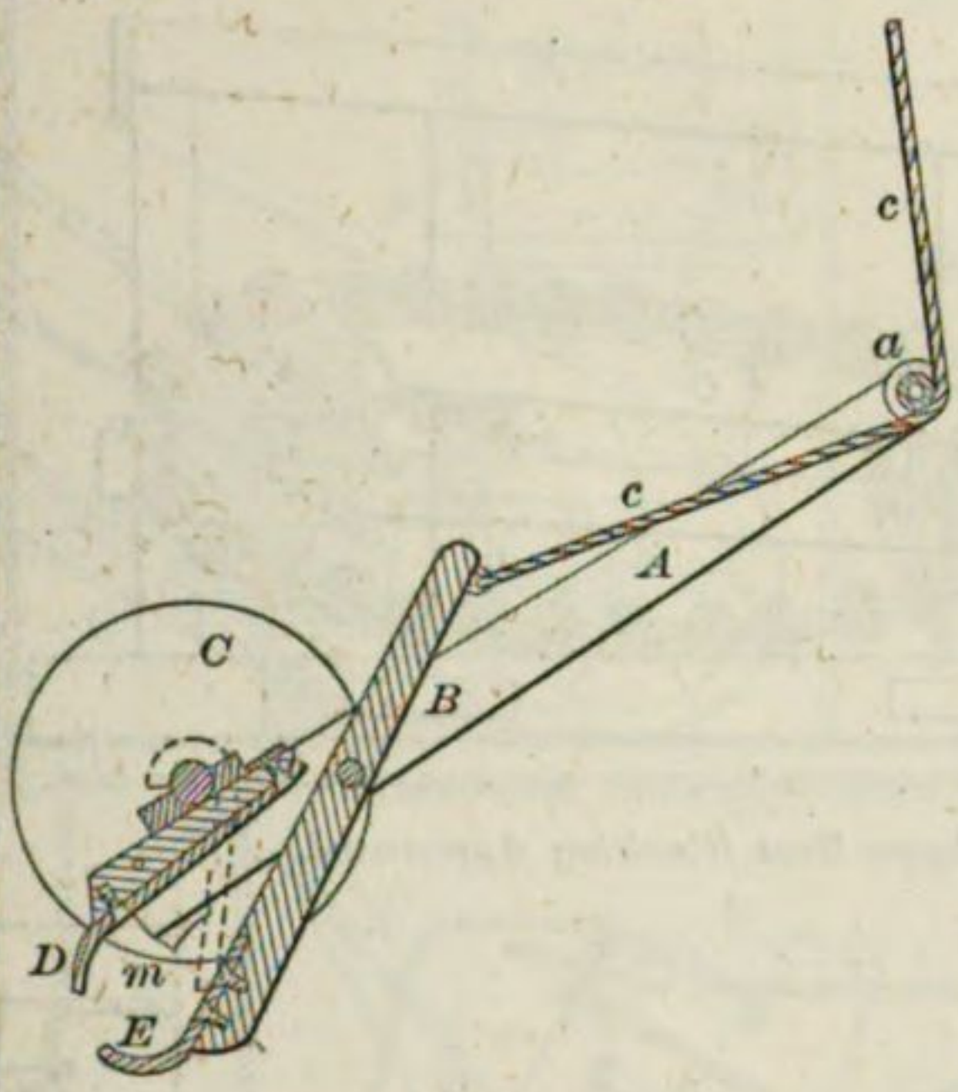
52961—C. Burleigh—*For Drilling Rocks.*



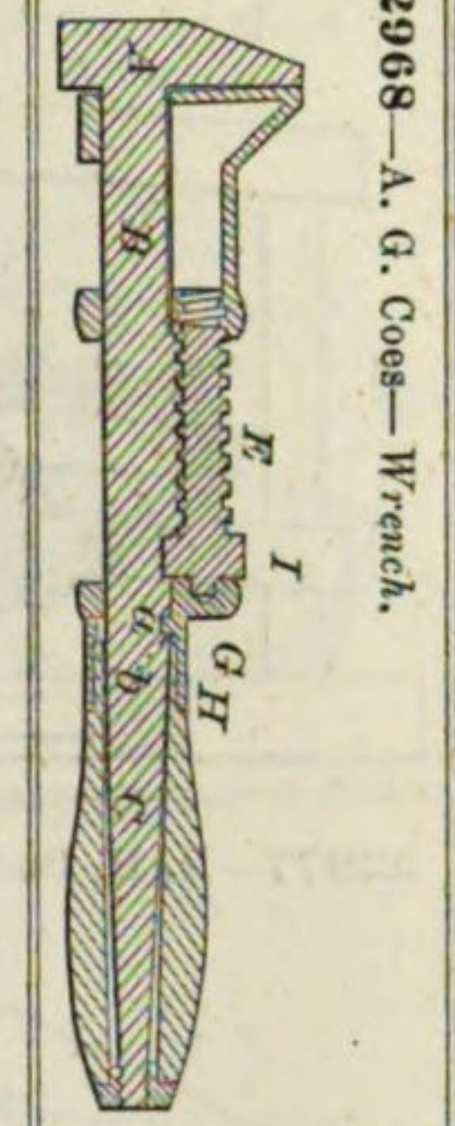
52966—J. P. Chaplin—*Stove Pipe Drum.*



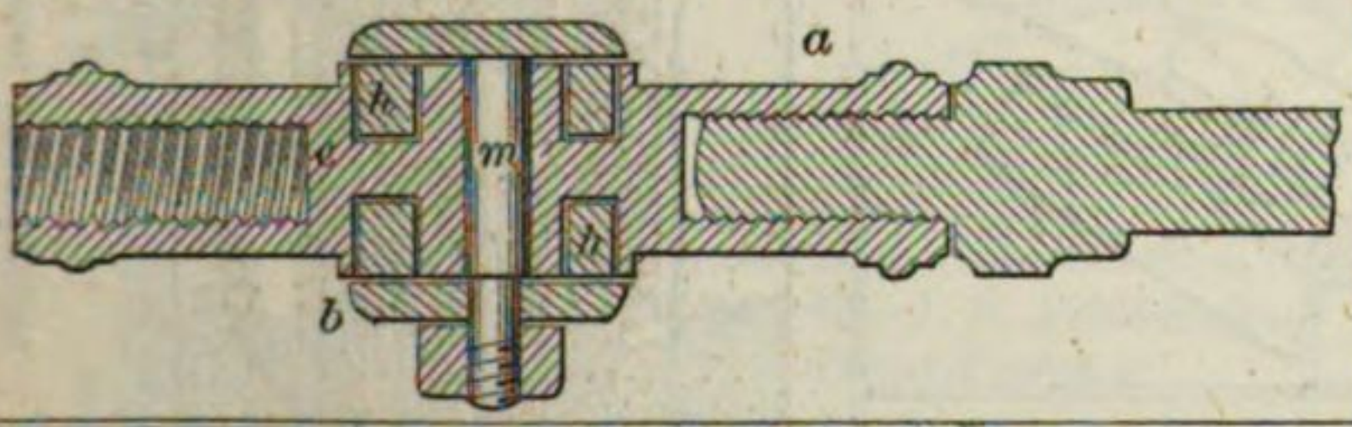
52967—O. A. Cheney—*Grubbing Machine.*



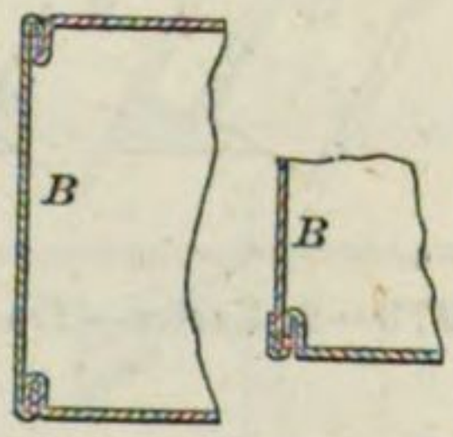
52968—A. G. Coes—*Wrench.*



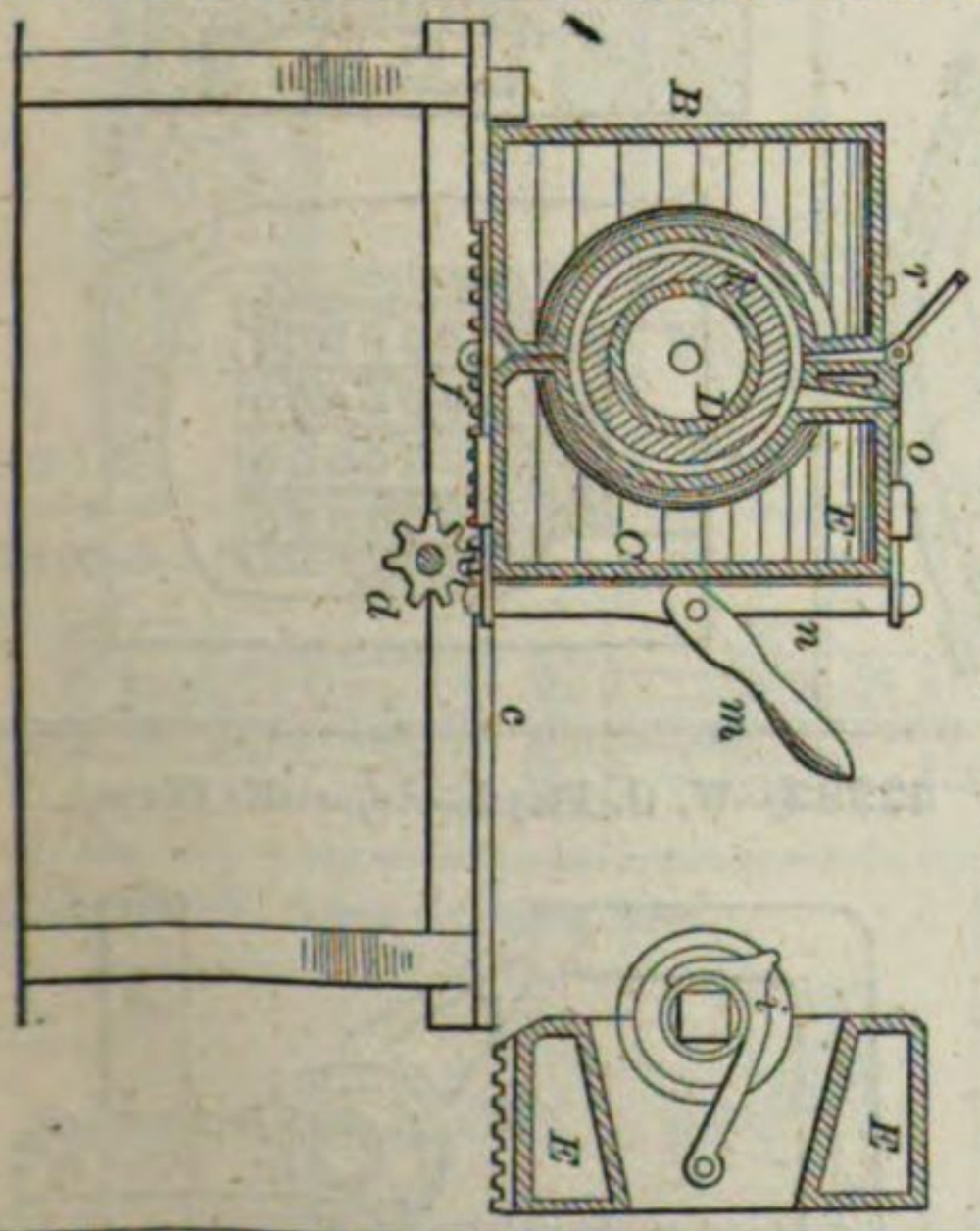
52969—J. K. Collins—*Knuckle Joint.*



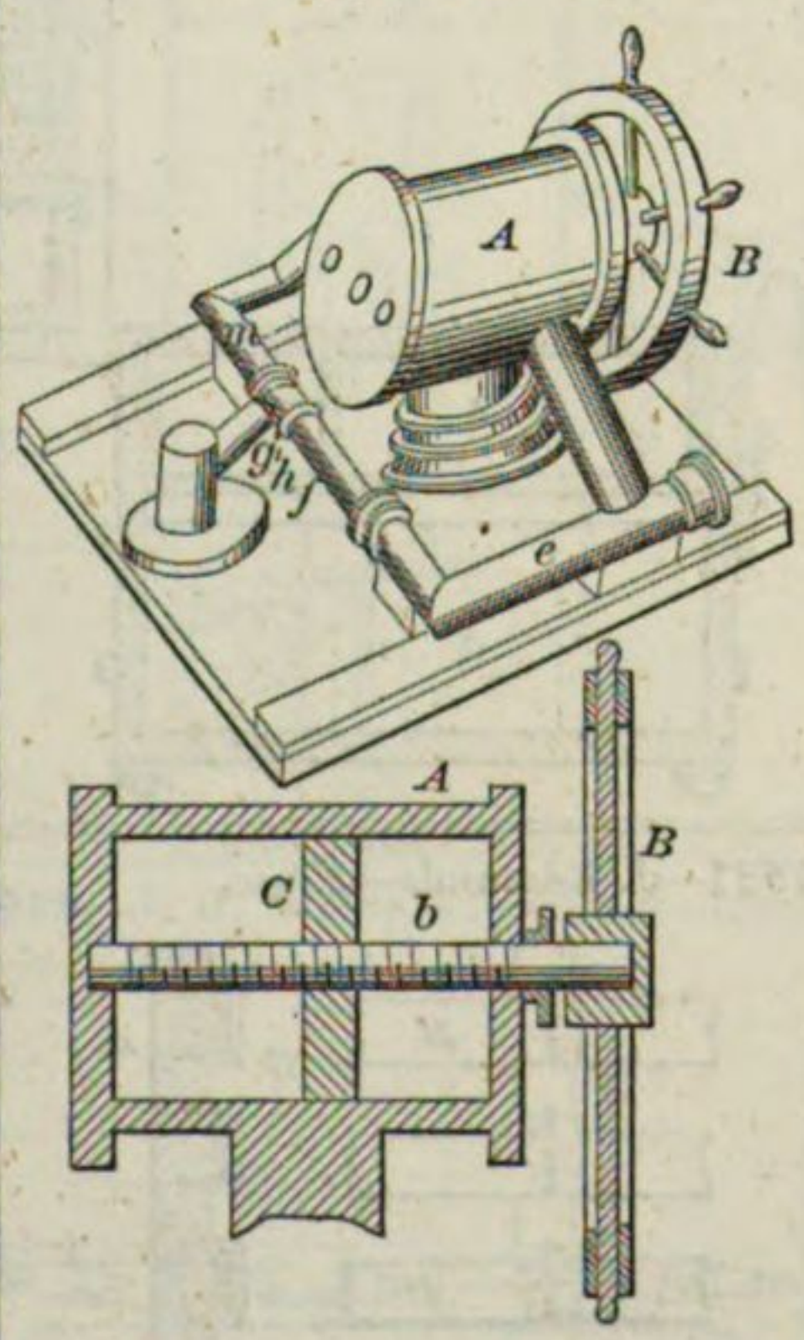
52972—E. T. Covell—*Sheet Metal Can.*



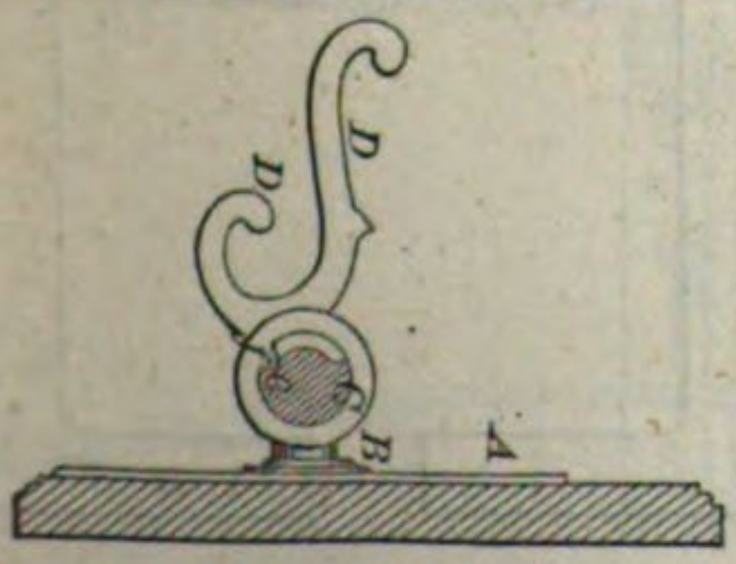
52971—Cornell & Quinn—*Pipe Mould.*



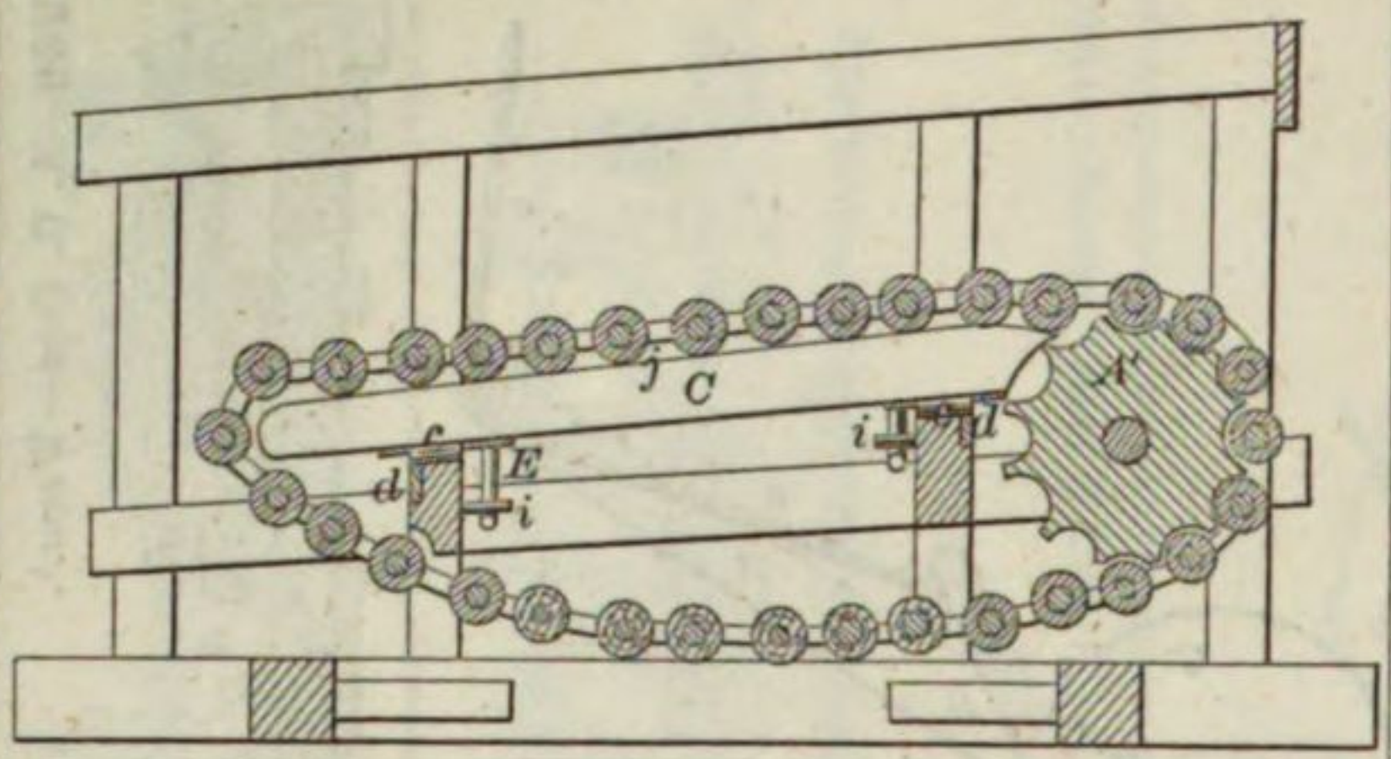
52970—H. O. Cook—*Hydraulic Steering Apparatus.*



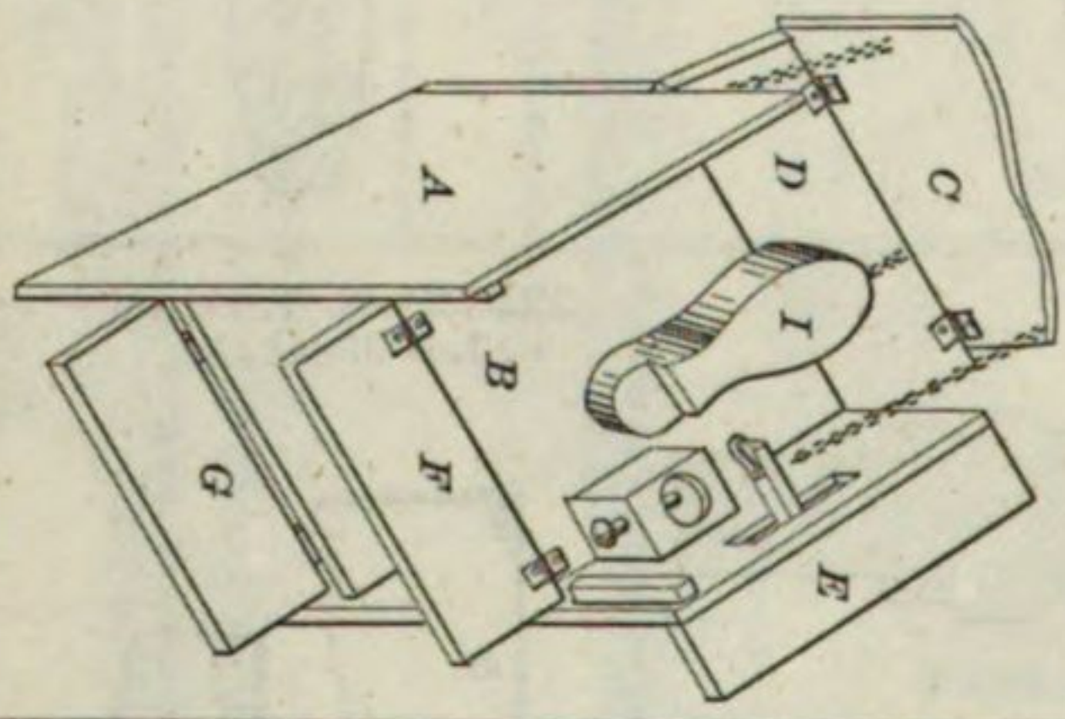
52974—J. Danner—*Coat and Hat Hook.*



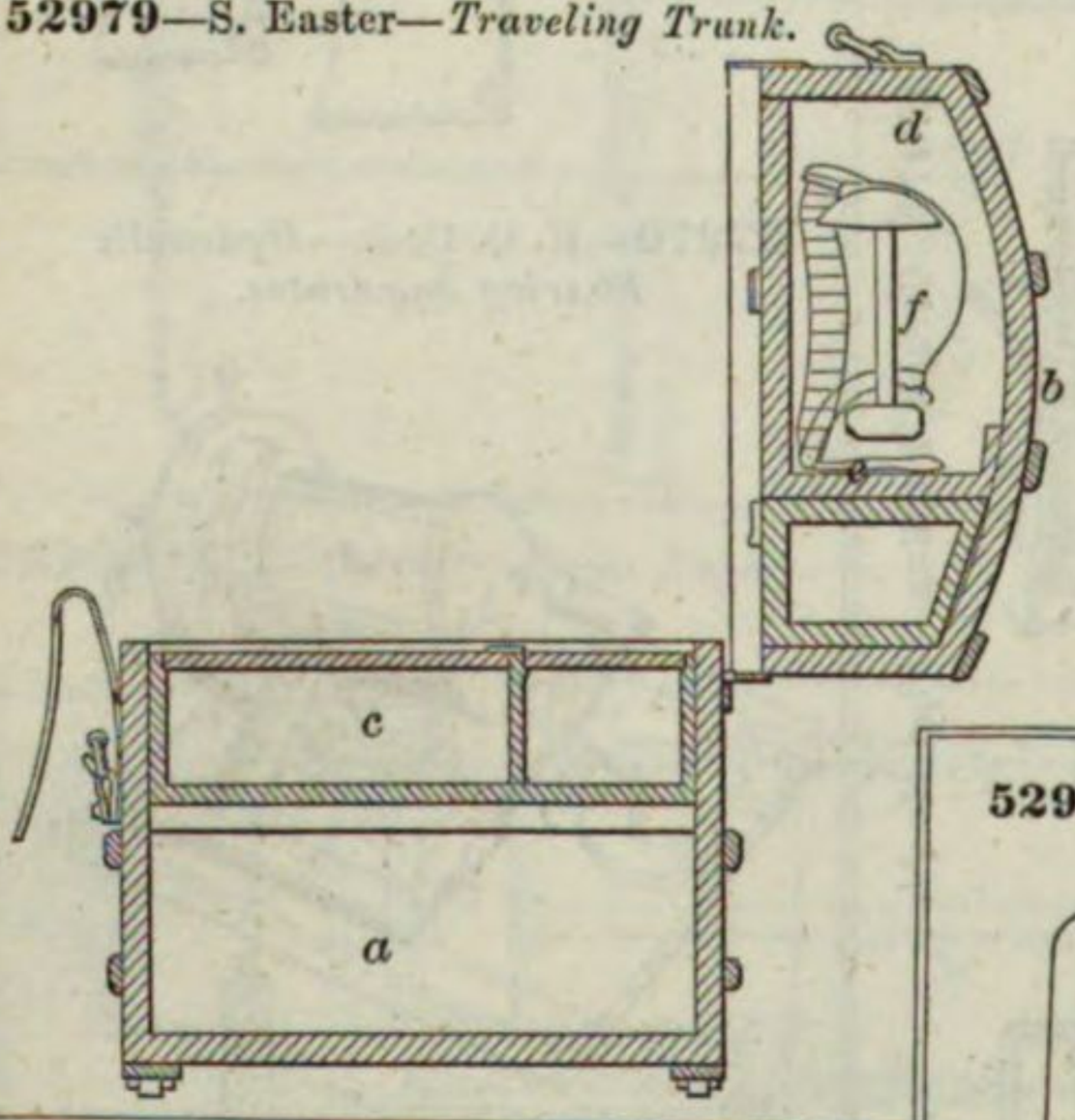
52975—S. W. Davis—*Horse Power.*



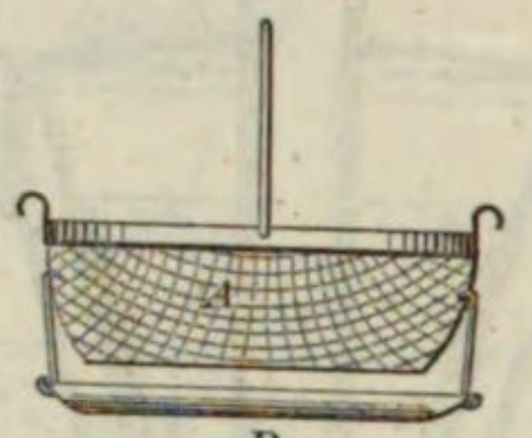
52977—H. H. Dodge—*Boot Blacking Apparatus.*



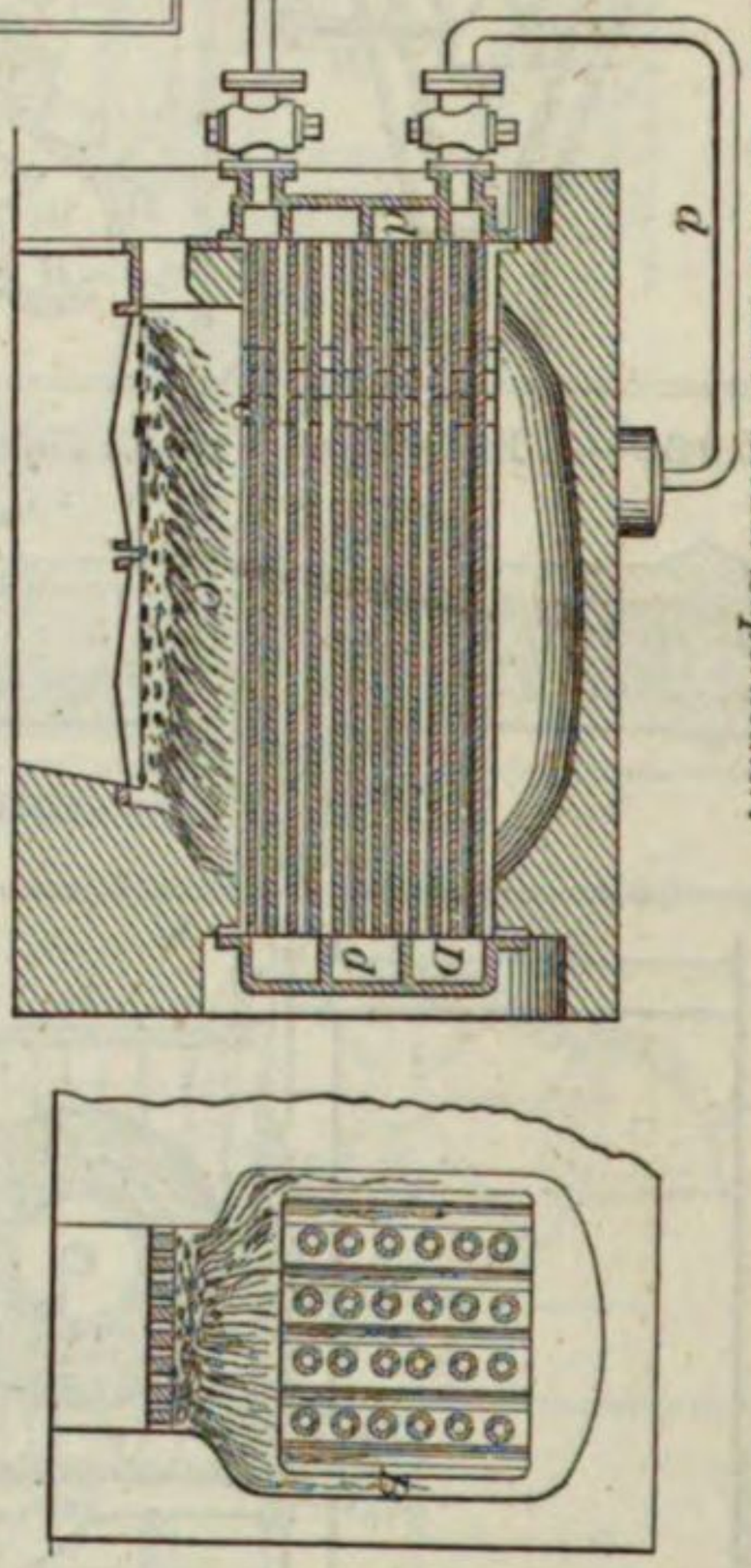
52979—S. Easter—*Traveling Trunk.*



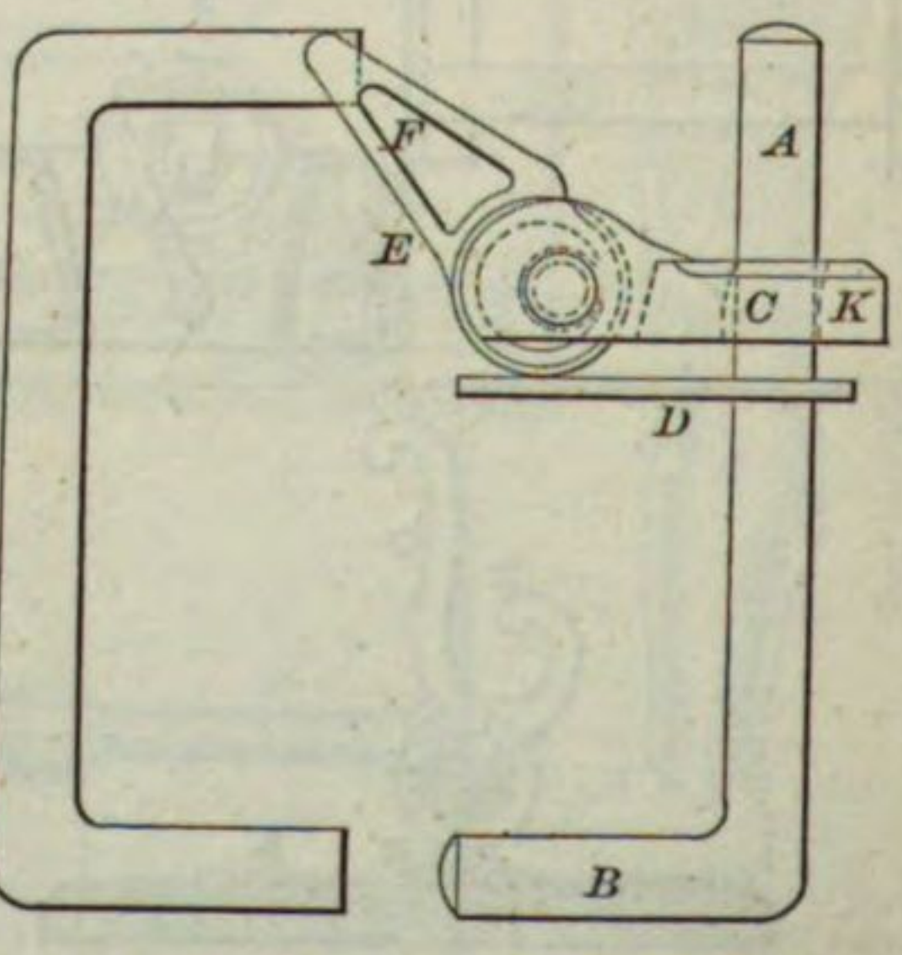
52980—A. Eckert—*Preparing Fruit, &c., for Preserving.*



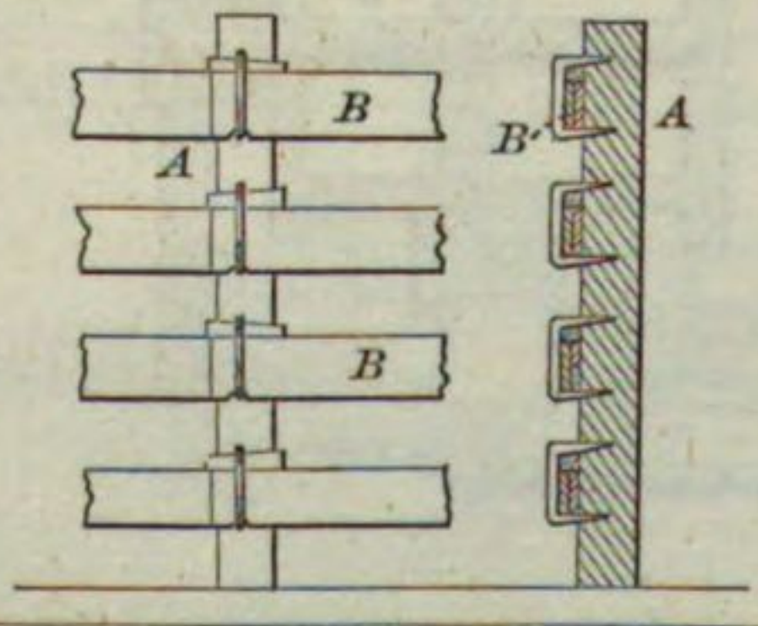
52982—L. V. Fichet—*Steam Superheater.*



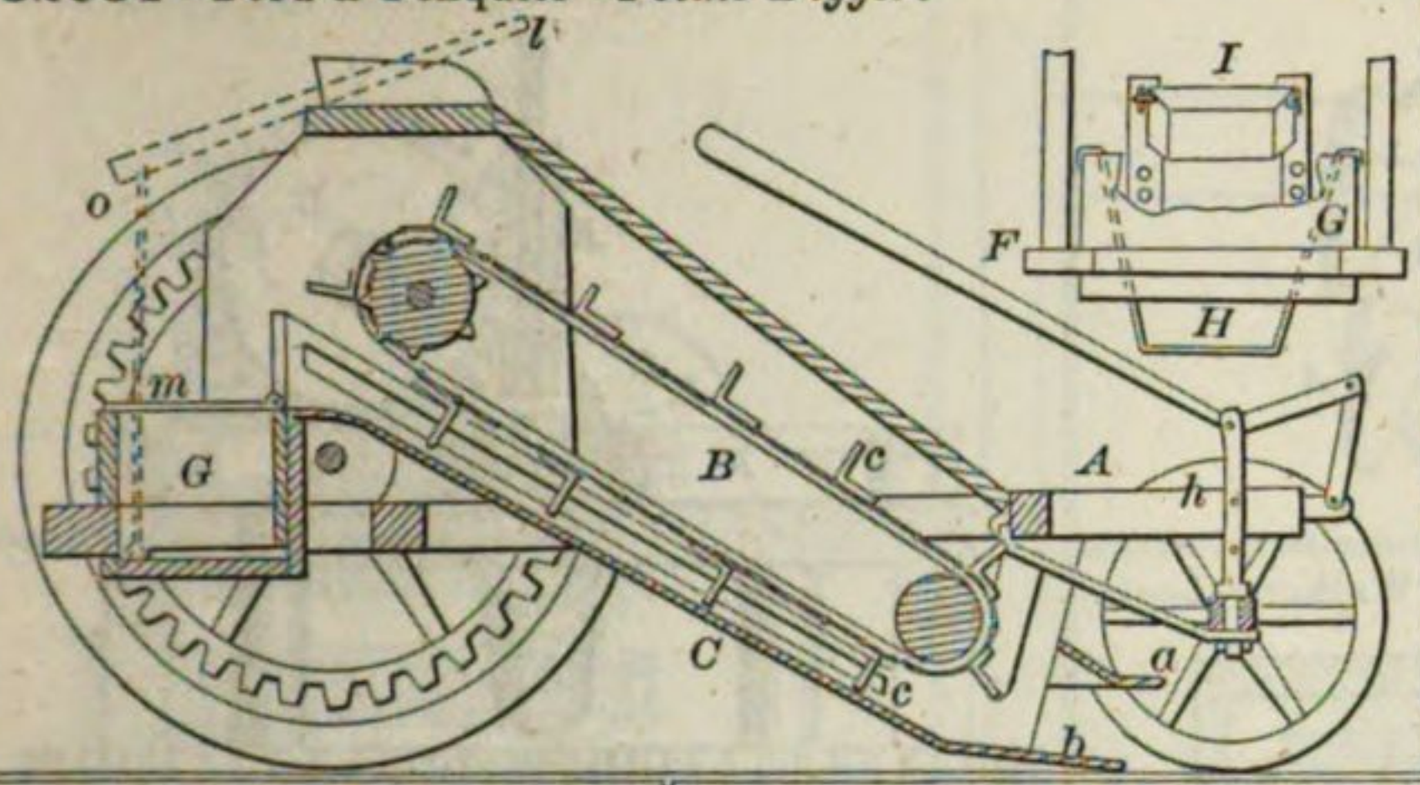
52983—W. G. Floyd—*Adjustable Clamp.*



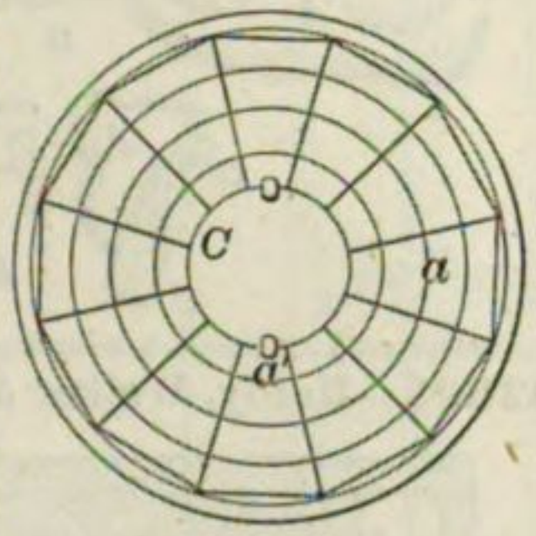
52981—J. Edmunds—*Fence.*



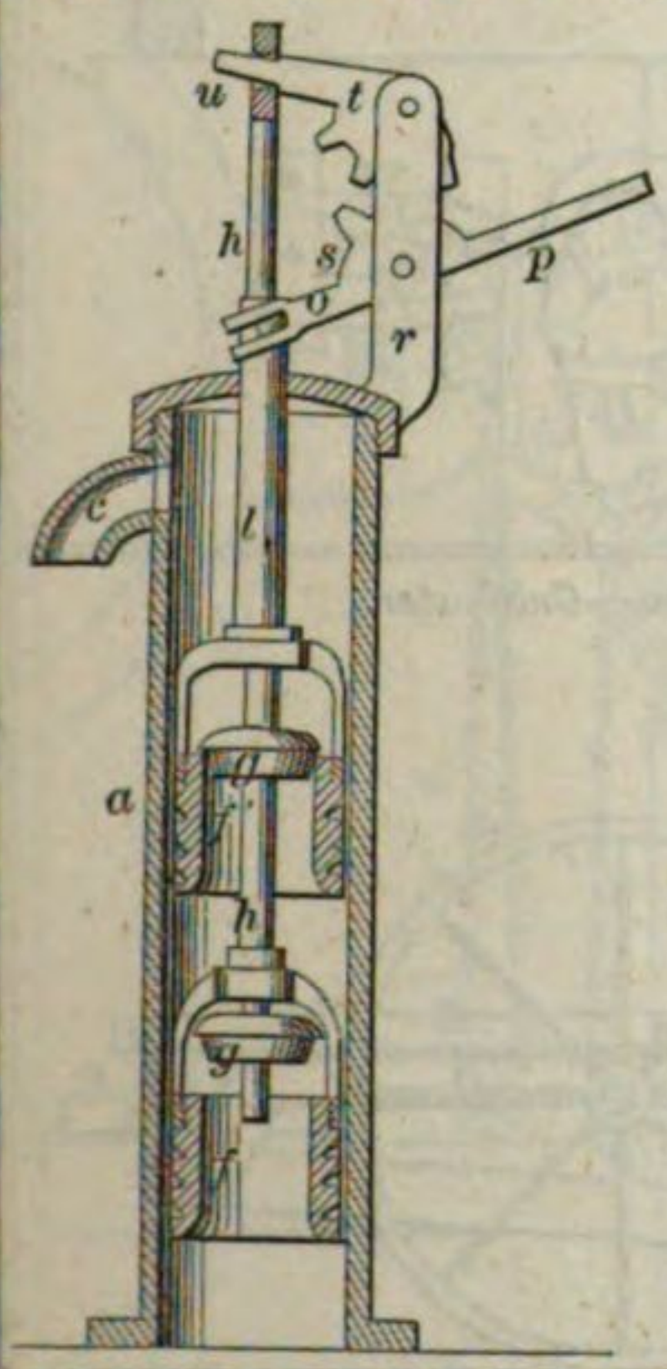
52984—Ford & Penquite—*Potato Digger.*



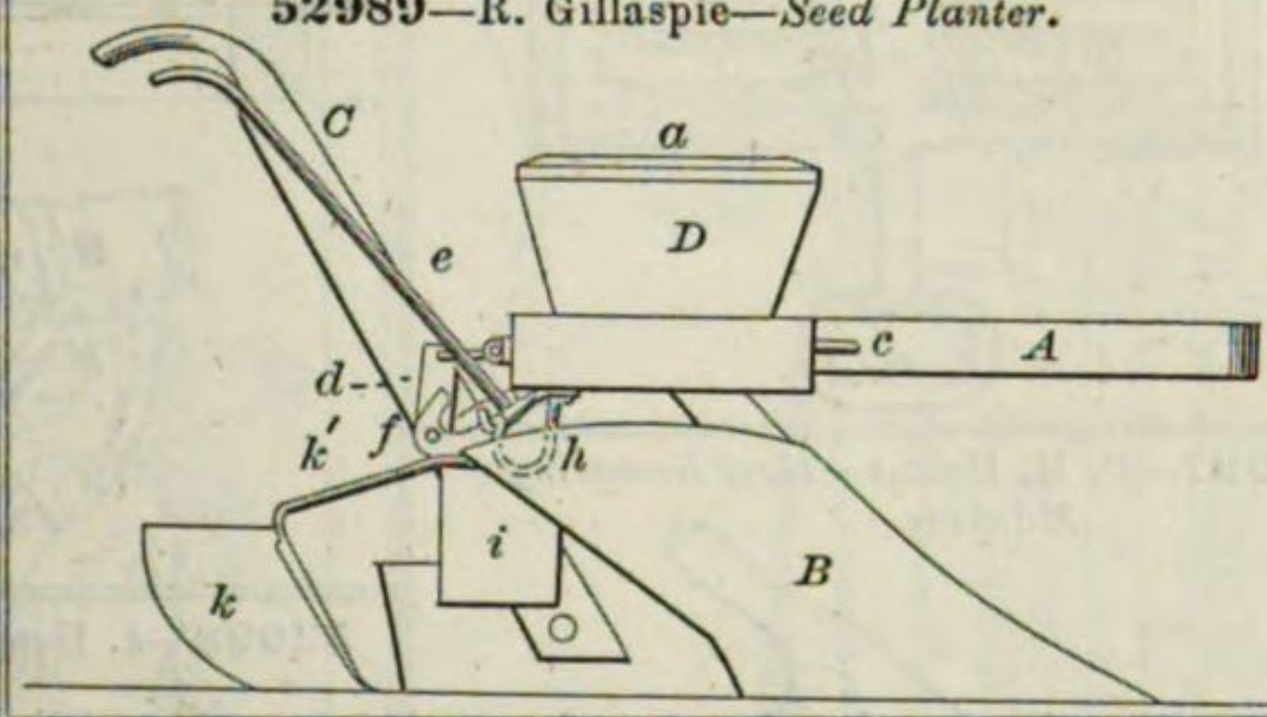
52987—C. D. Gibson—*Reflector for Head Lights.*



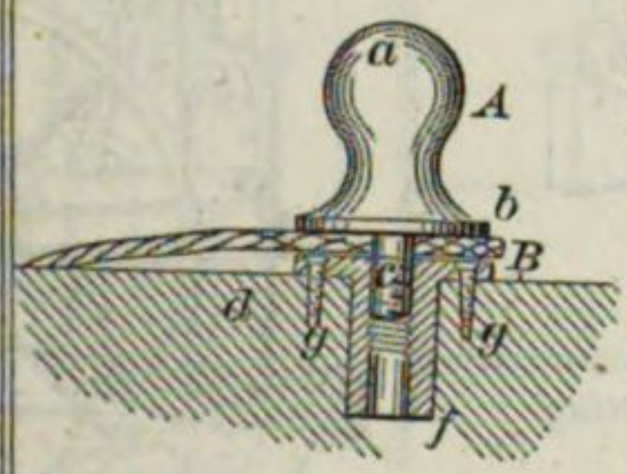
52991—L. A. Gould—*Pump.*



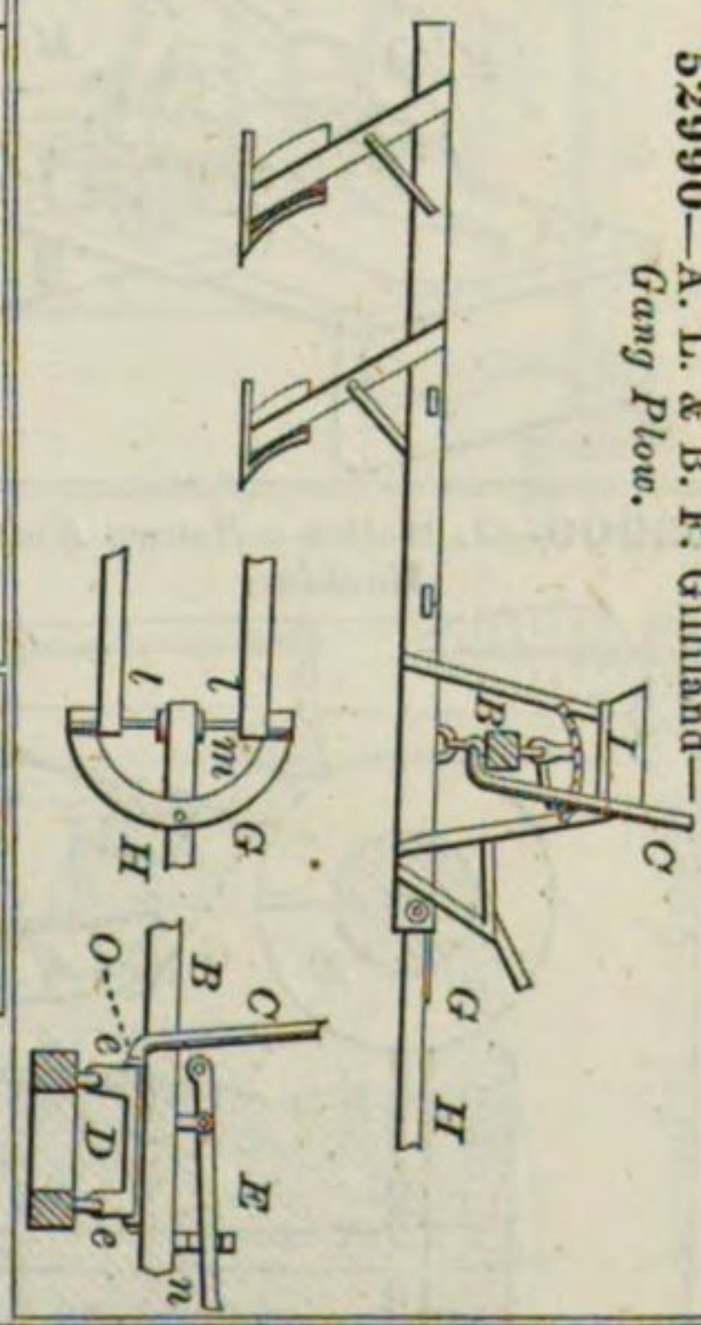
52989—R. Gillaspie—*Seed Planter.*



52985—J. H. Friederich—*Carpet Fastener.*

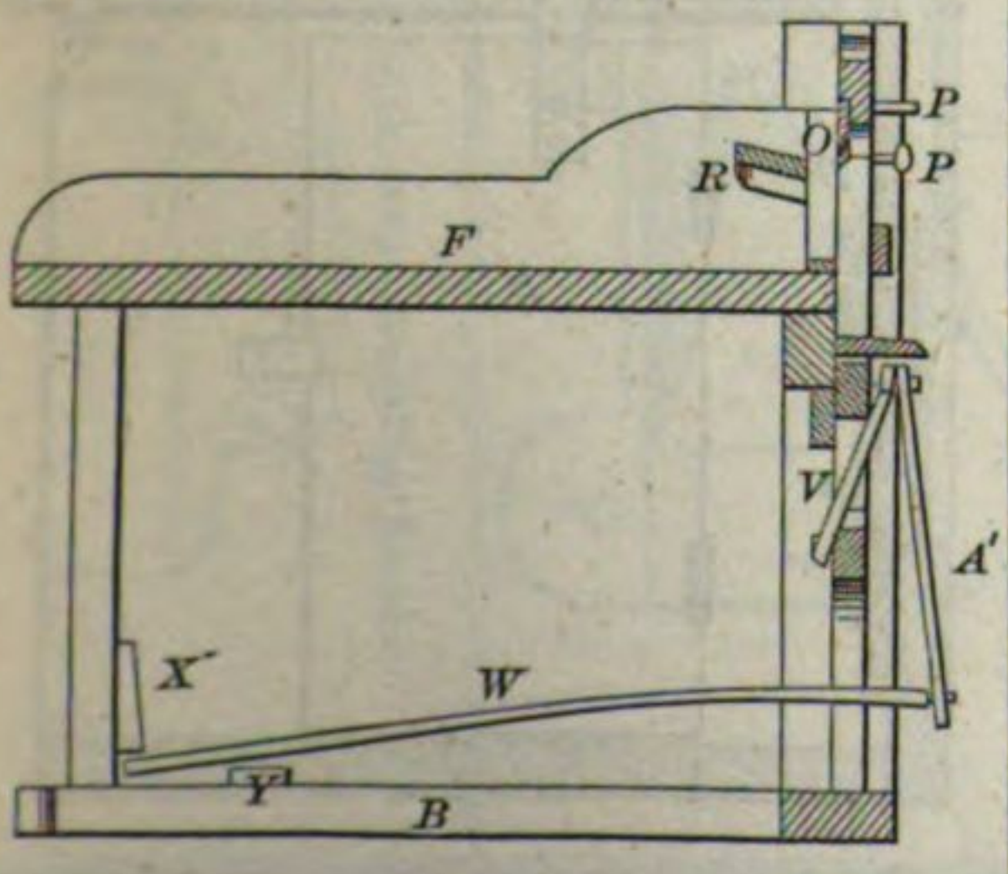


52990—A. L. & B. F. Gilliland—*Gang Plow.*

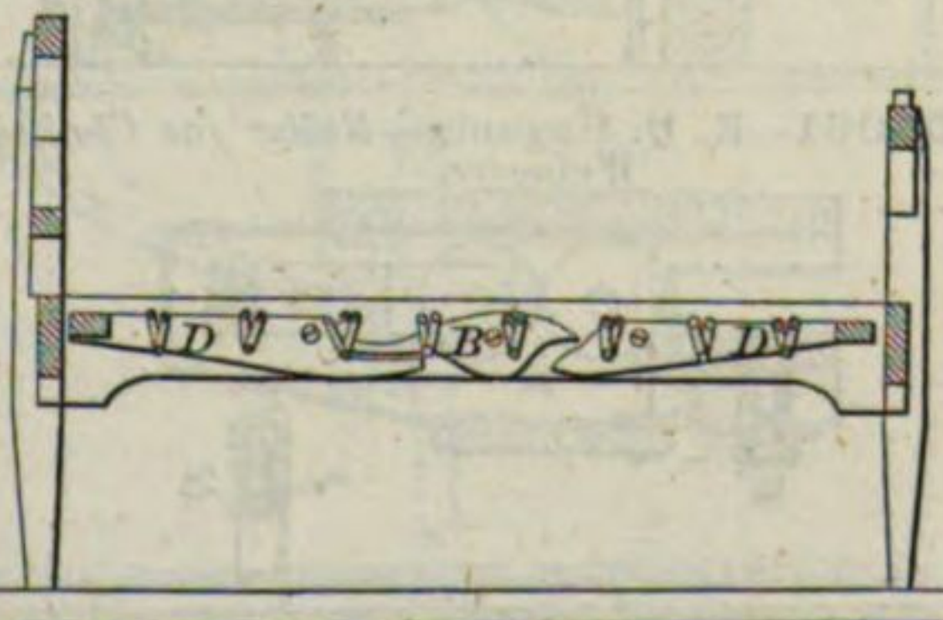


52986—Fryer & Freeborn—*Railroad Car Wheel.*

52992—W. Green—*Cutting Box.*

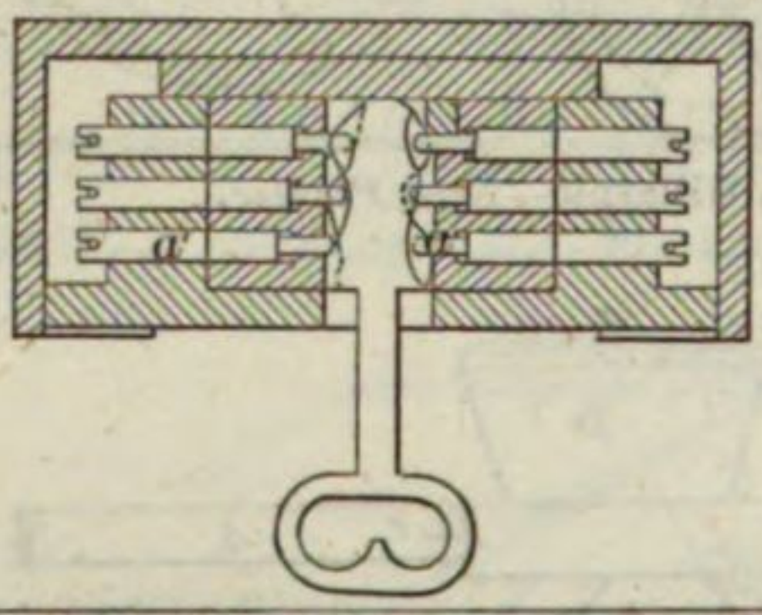


52988—J. H. Gibson—*Invalid Bedstead.*

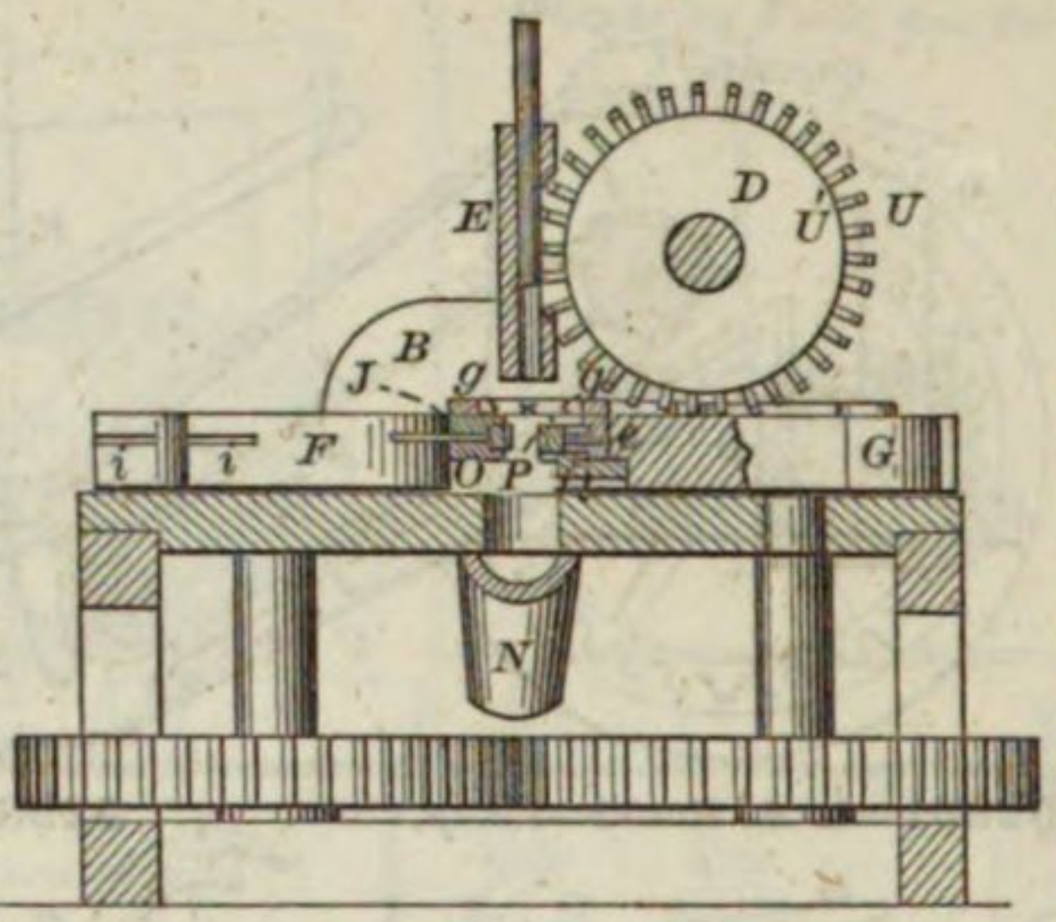


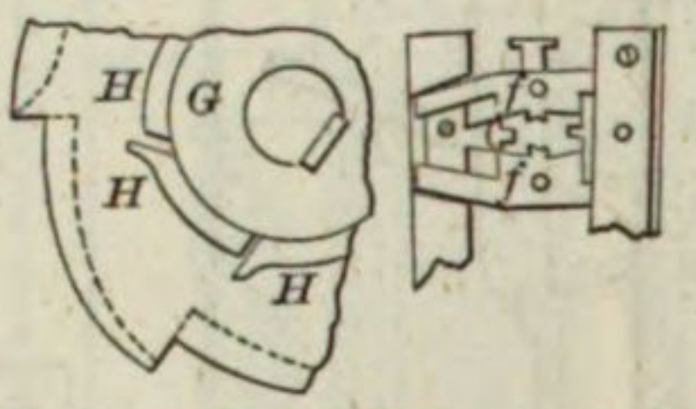
52993—J. Guttman—*Artificial Teeth.*

52995—Hardy, Walker & Walker—*Lock.*

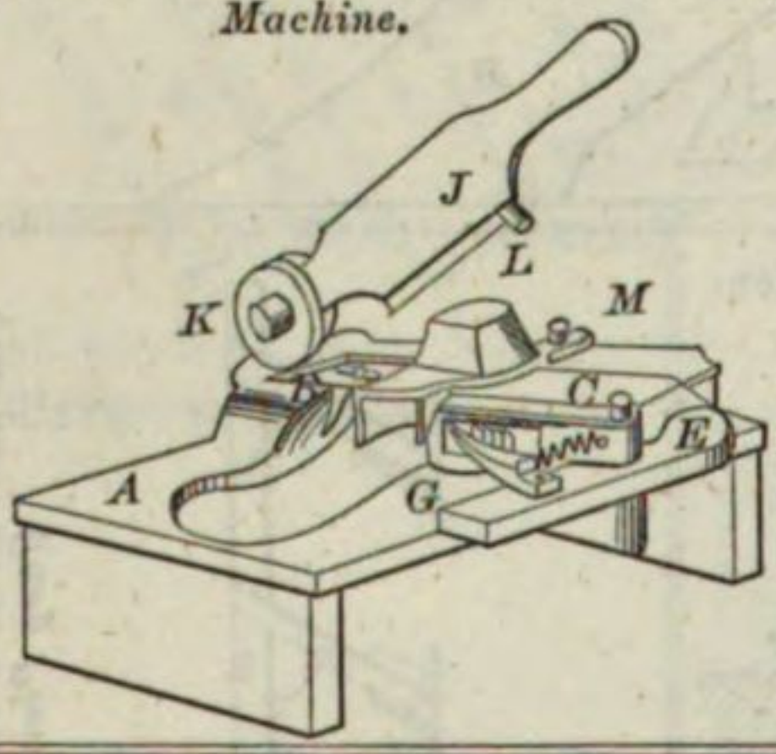


52996—Hebard & Brown—*Moulding Bullets.*

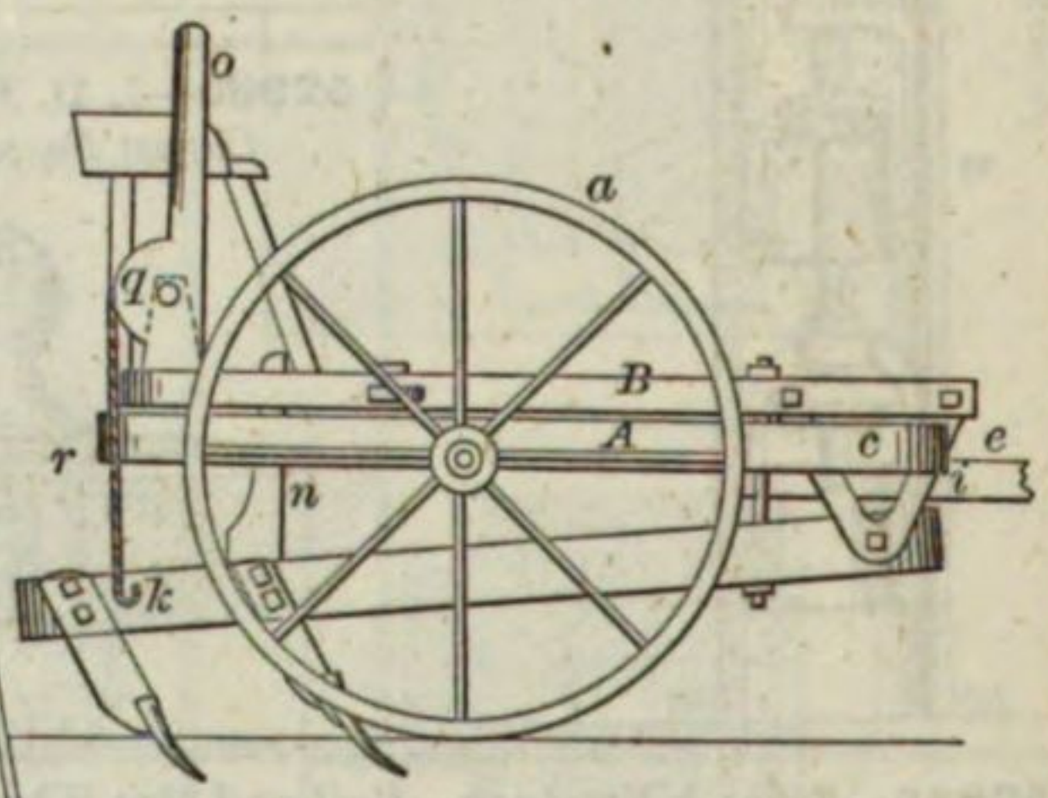




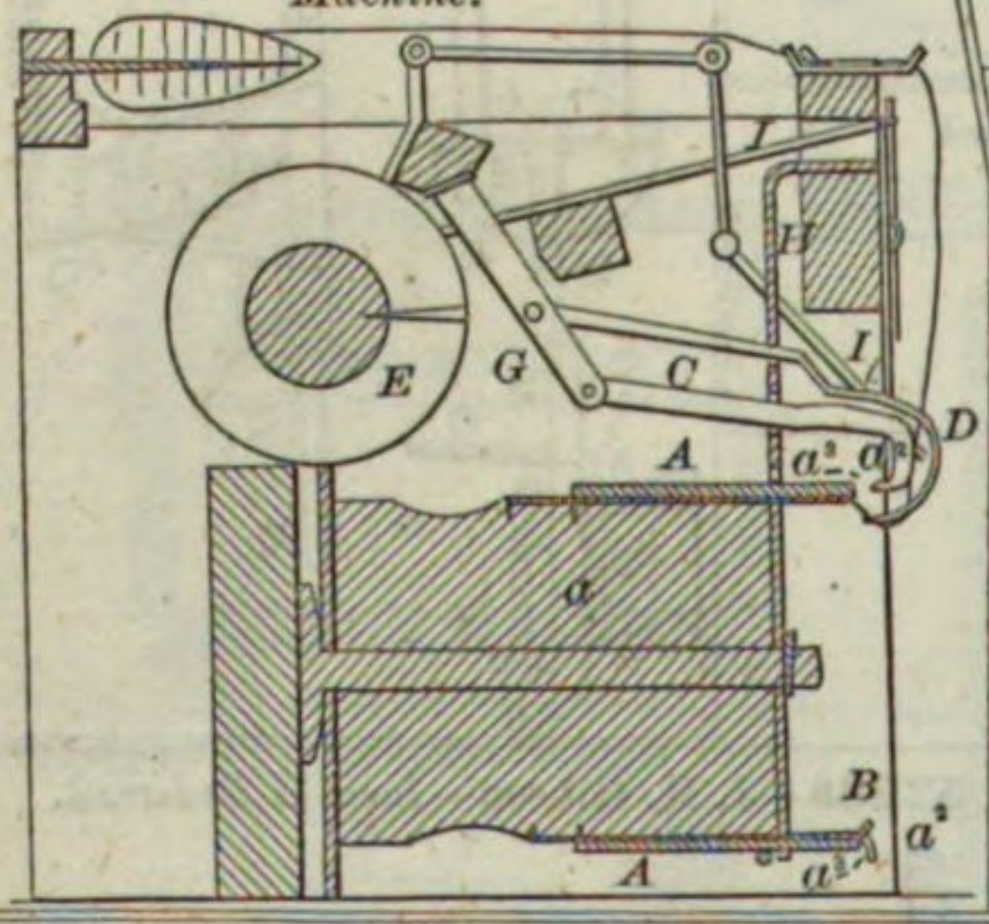
52997—C. H. Helms—*Heel Breasting Machine.*



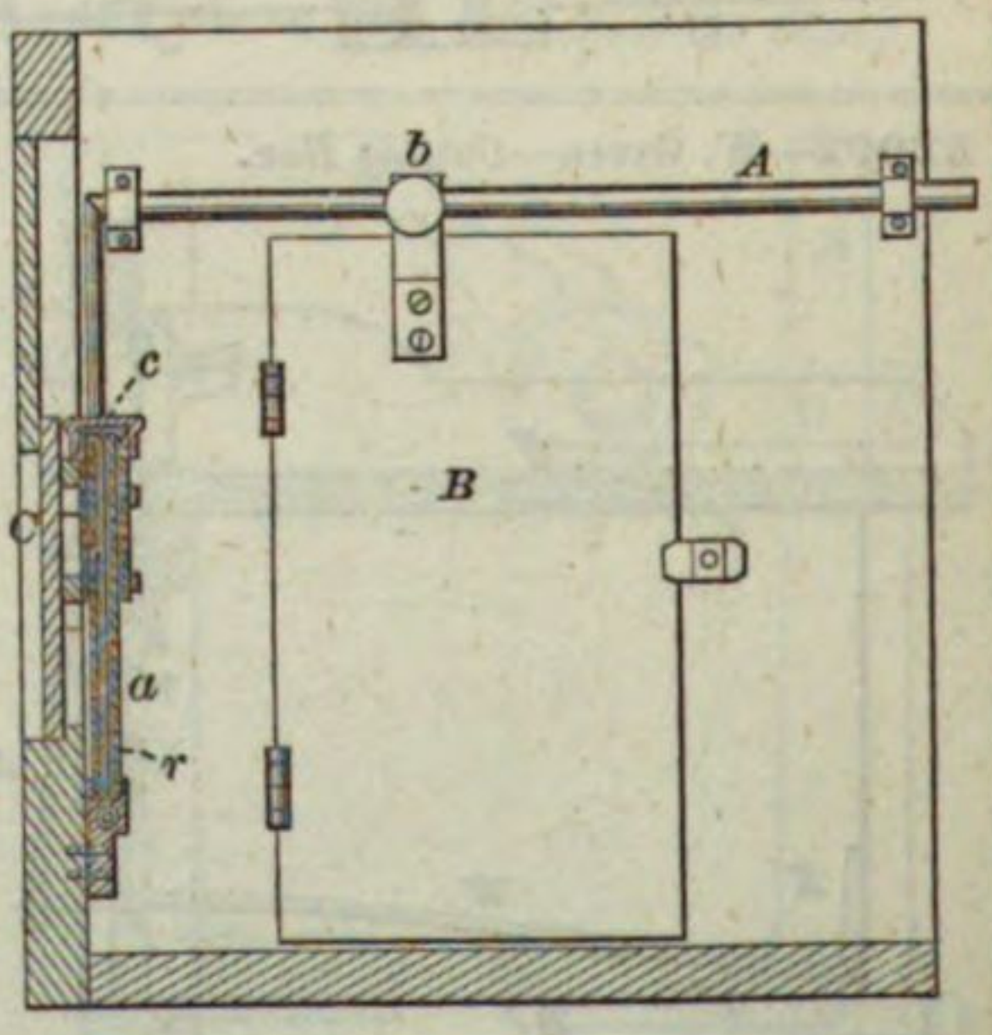
52998—I. Henton—*Cultivator.*



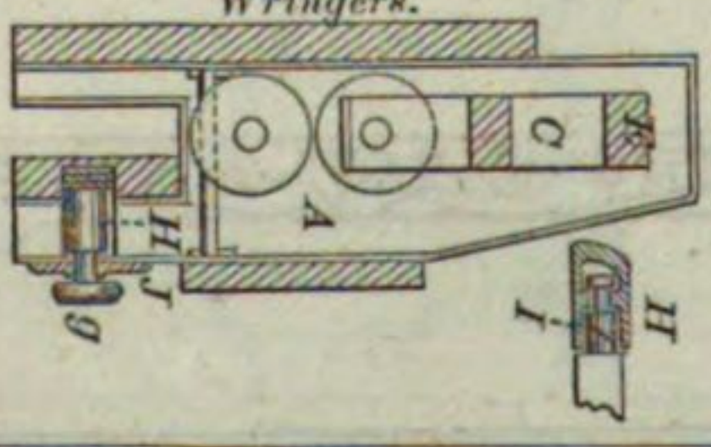
53000—J. Hollen—*Rotary Knitting Machine.*



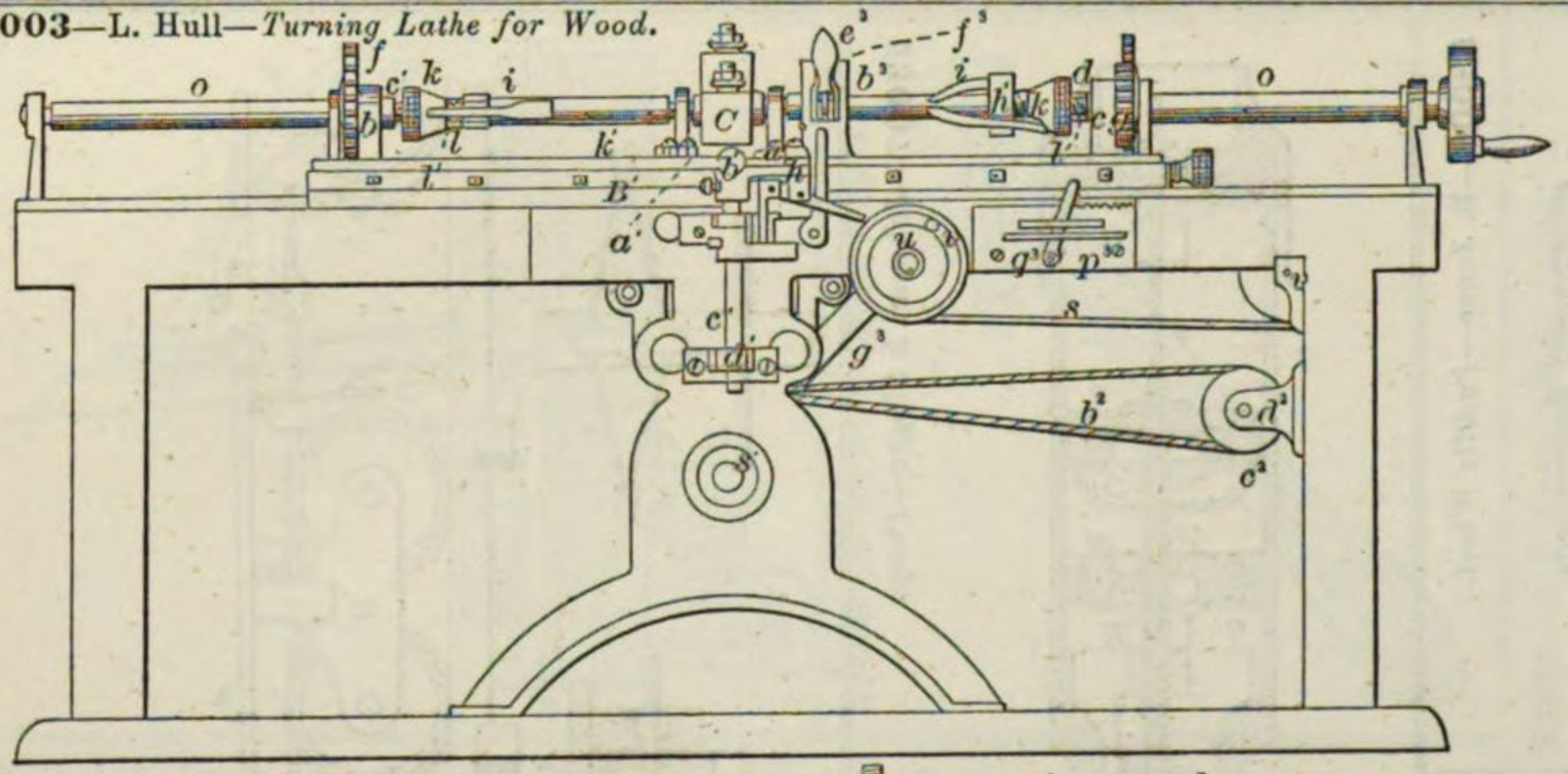
52999—W. O. Hills—*Burglar Alarm.*



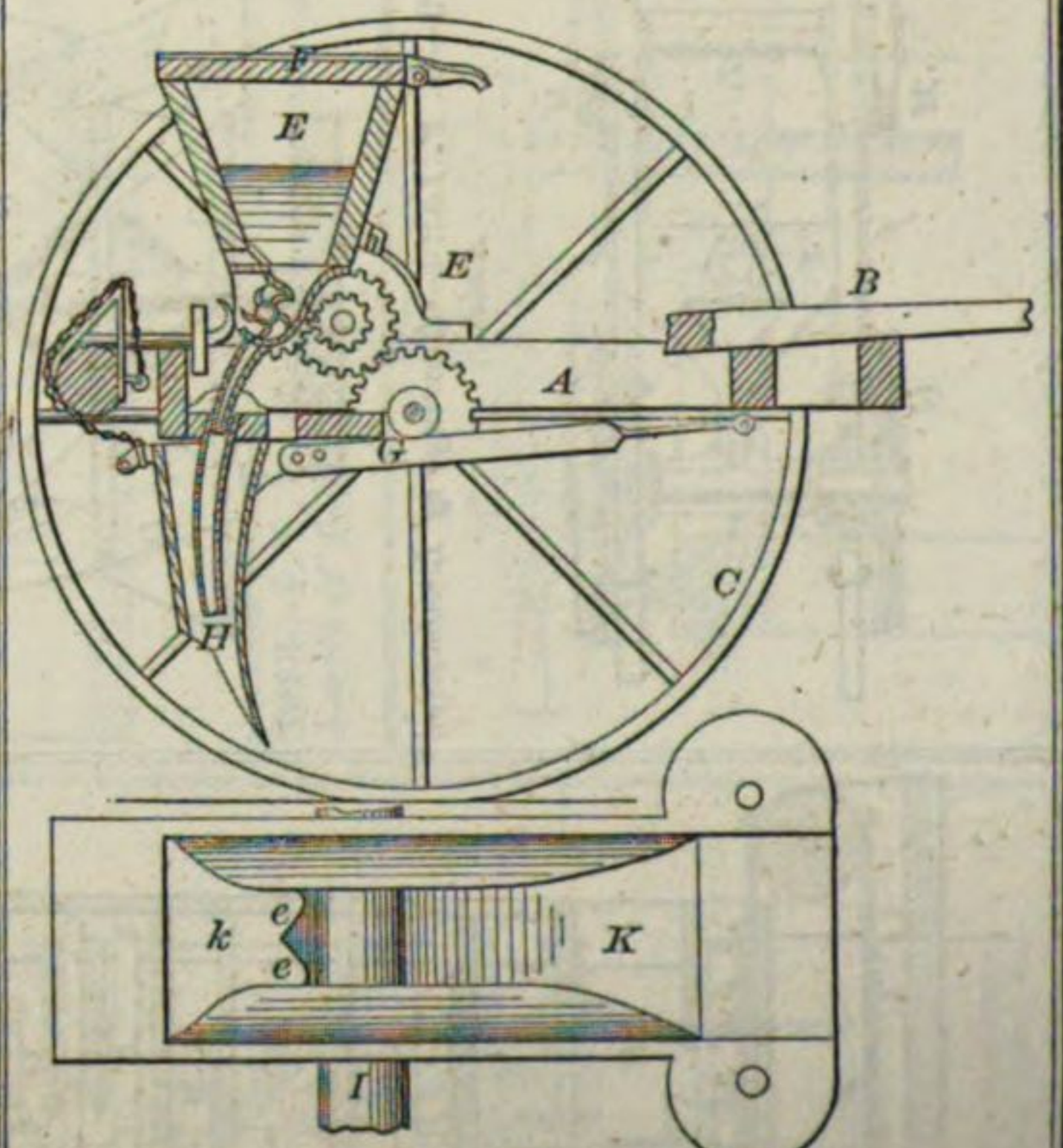
53001—R. B. Hugunin—*Roller for Clothes Wringers.*



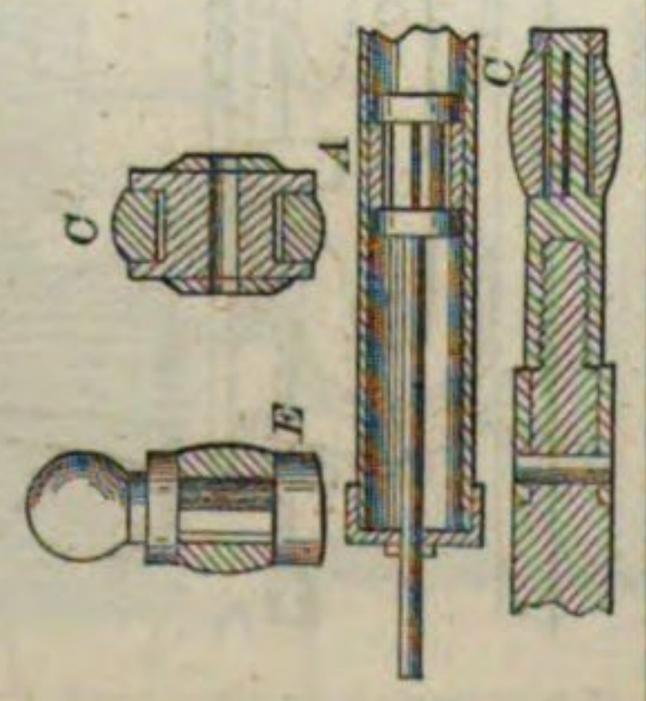
53003—L. Hull—*Turning Lathe for Wood.*

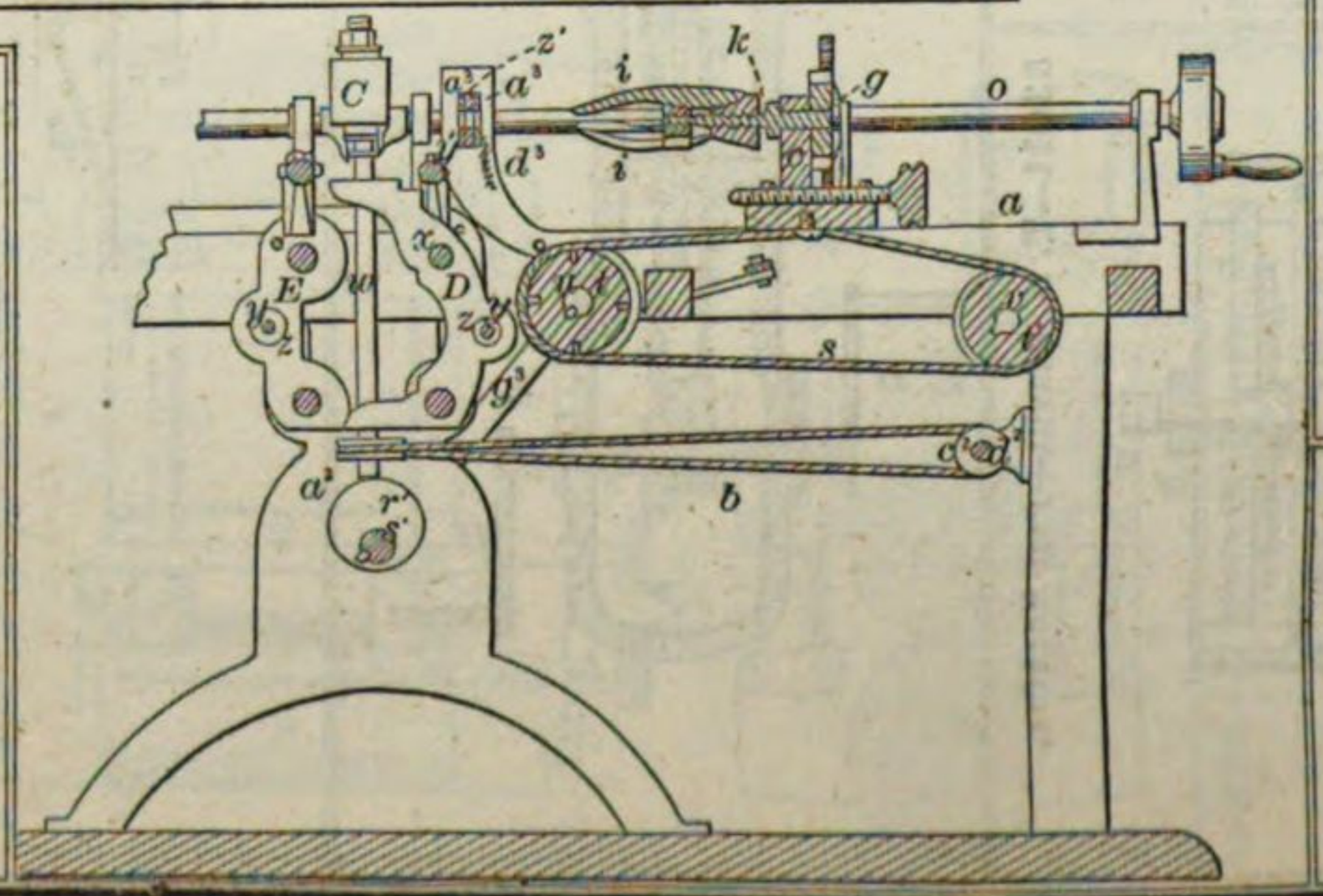


53005—J. Ingels—*Grain Drill.*

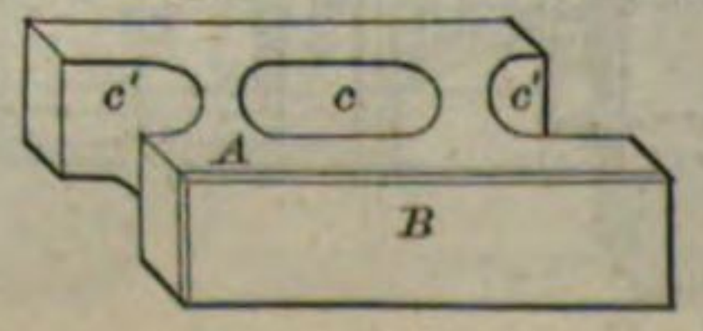


53002—R. B. Hugunin—*Making Bottle Stoppers, Caster Wheels, &c.*

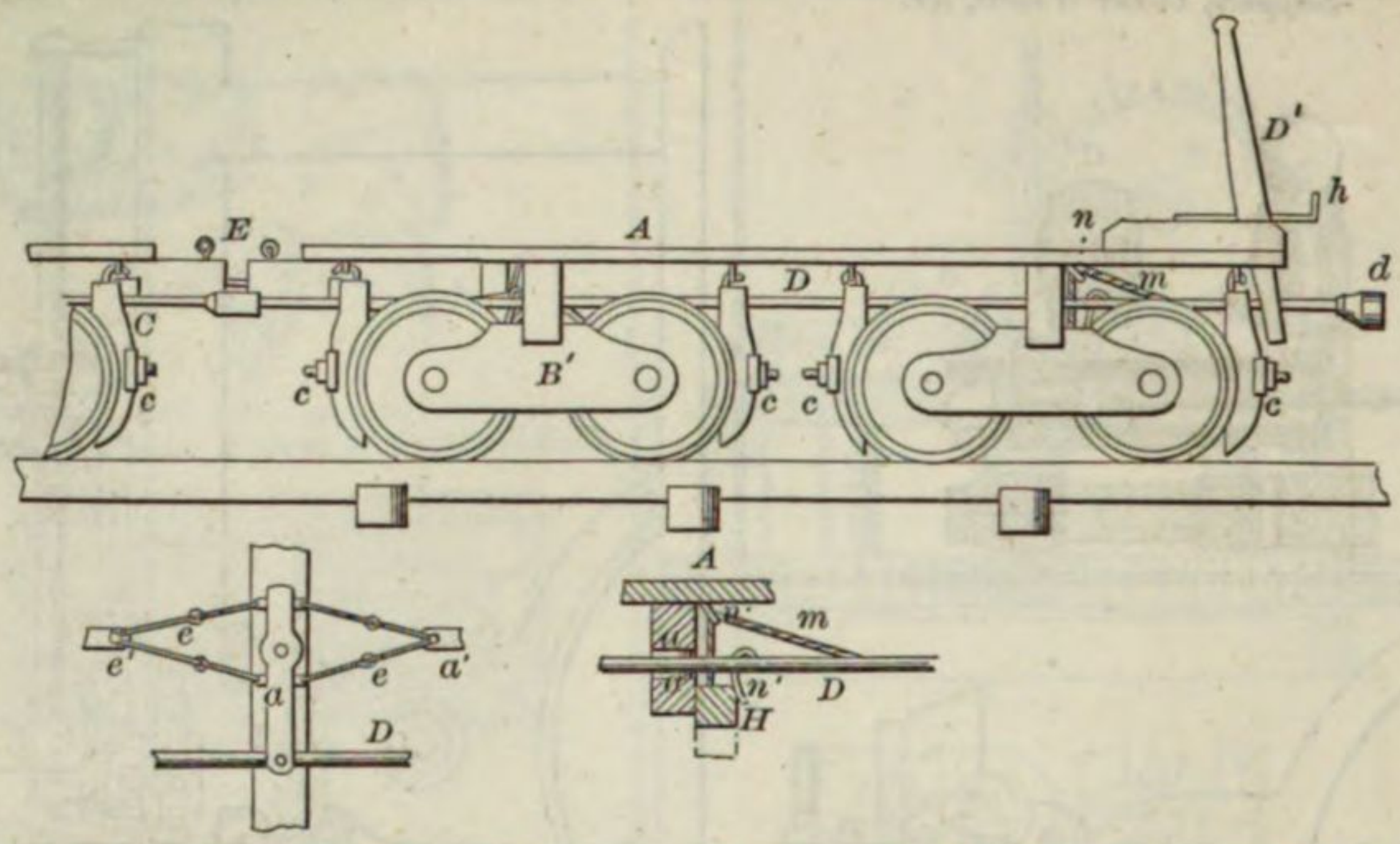




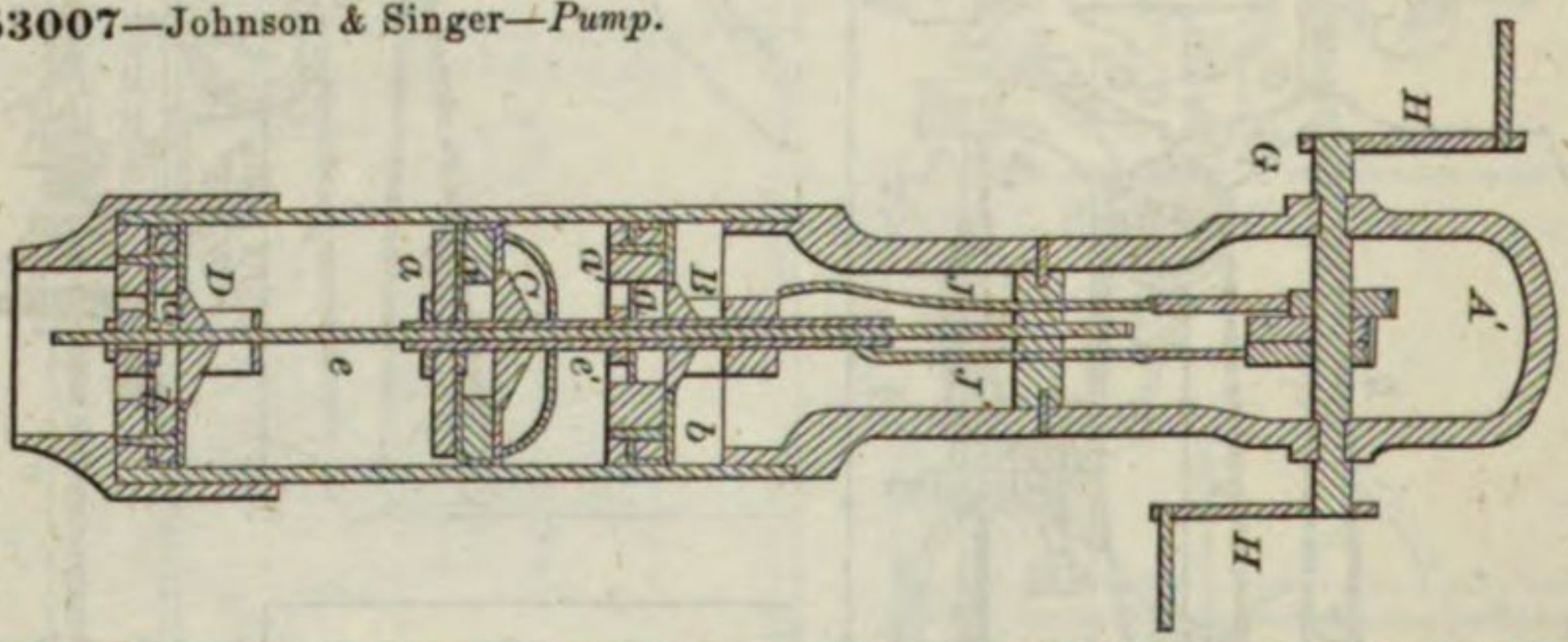
53004—C. S. Hutchinson—*Building Block.*



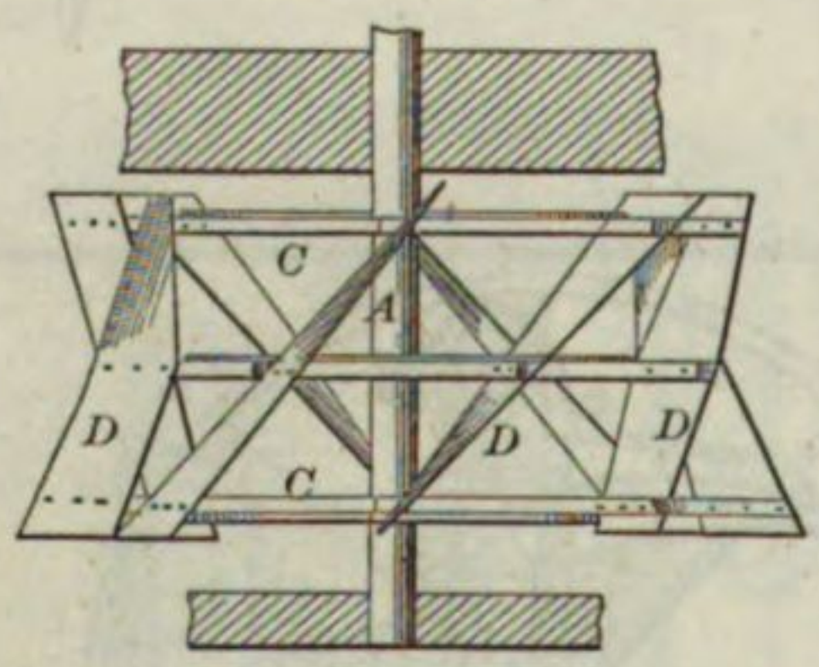
53006—M. Ingersoll—*Railroad Car Brake.*



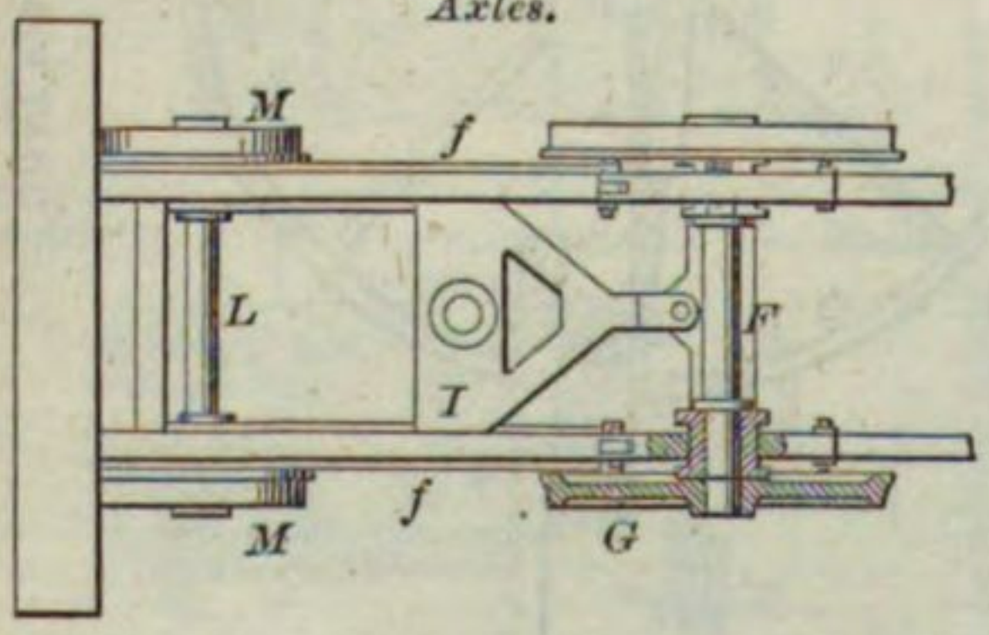
53007—Johnson & Singer—*Pump.*



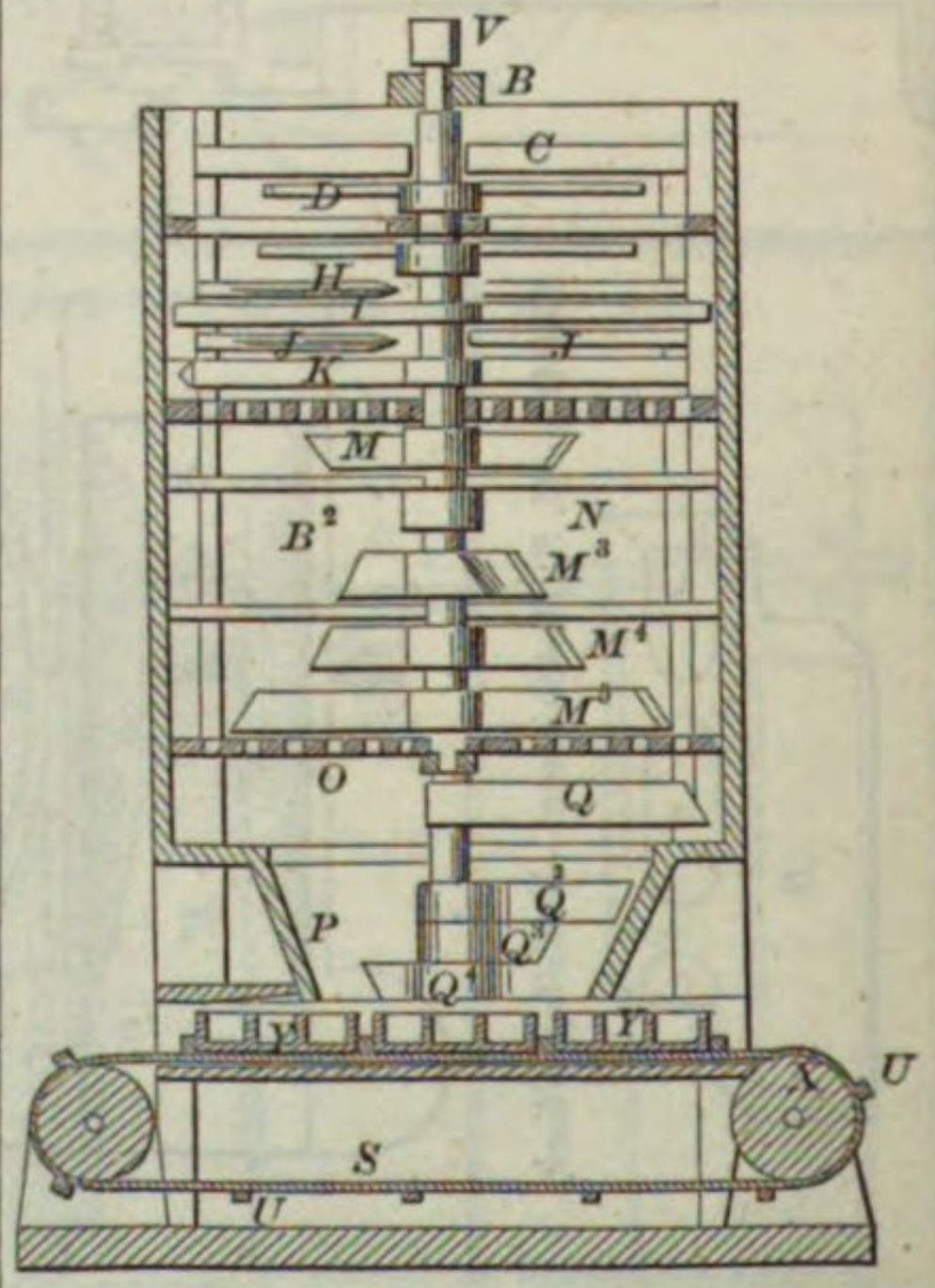
53008—E. Jones—*Paddle Wheel.*



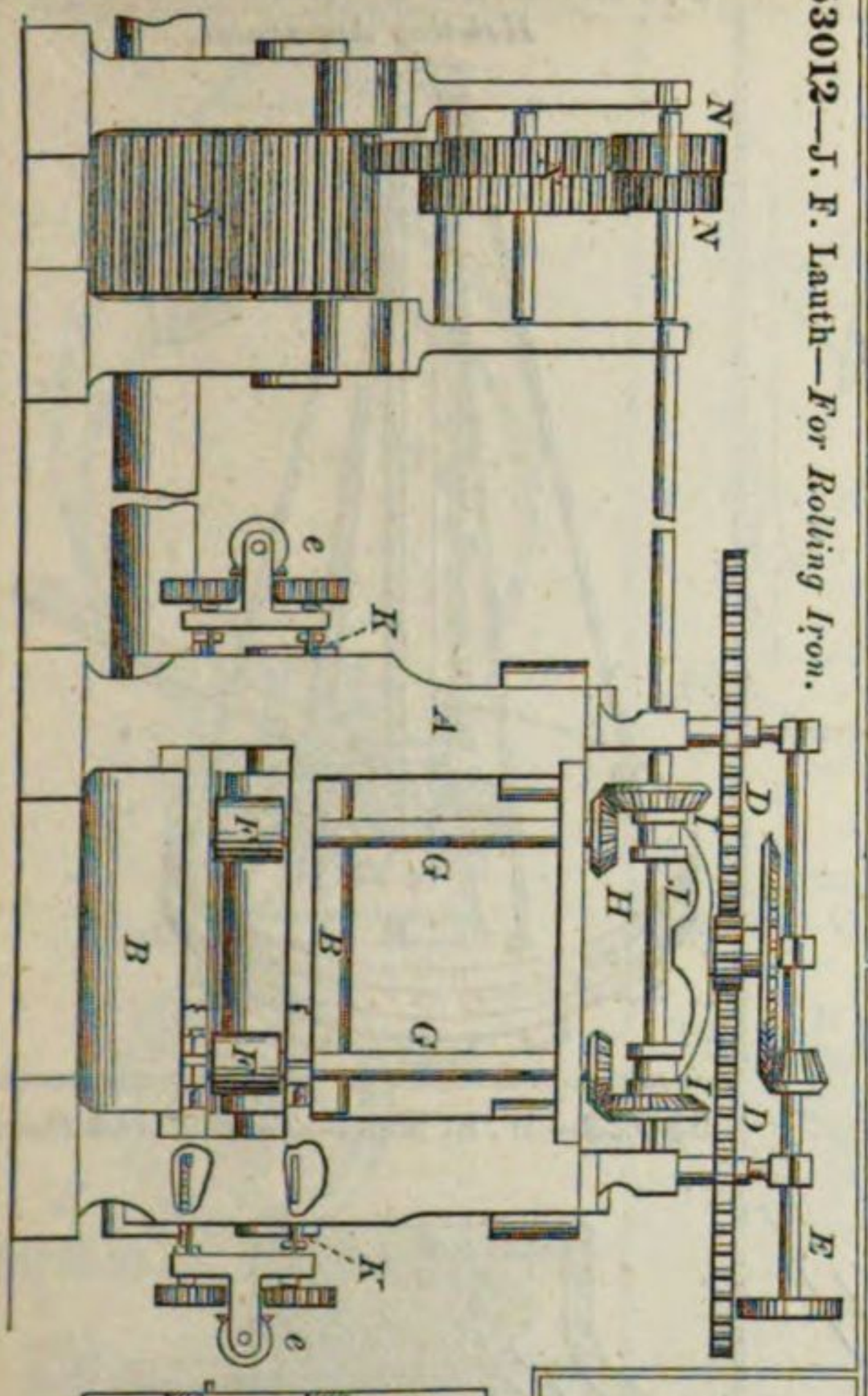
53009—J. P. Laird—*Bearings of Locomotive Axles.*



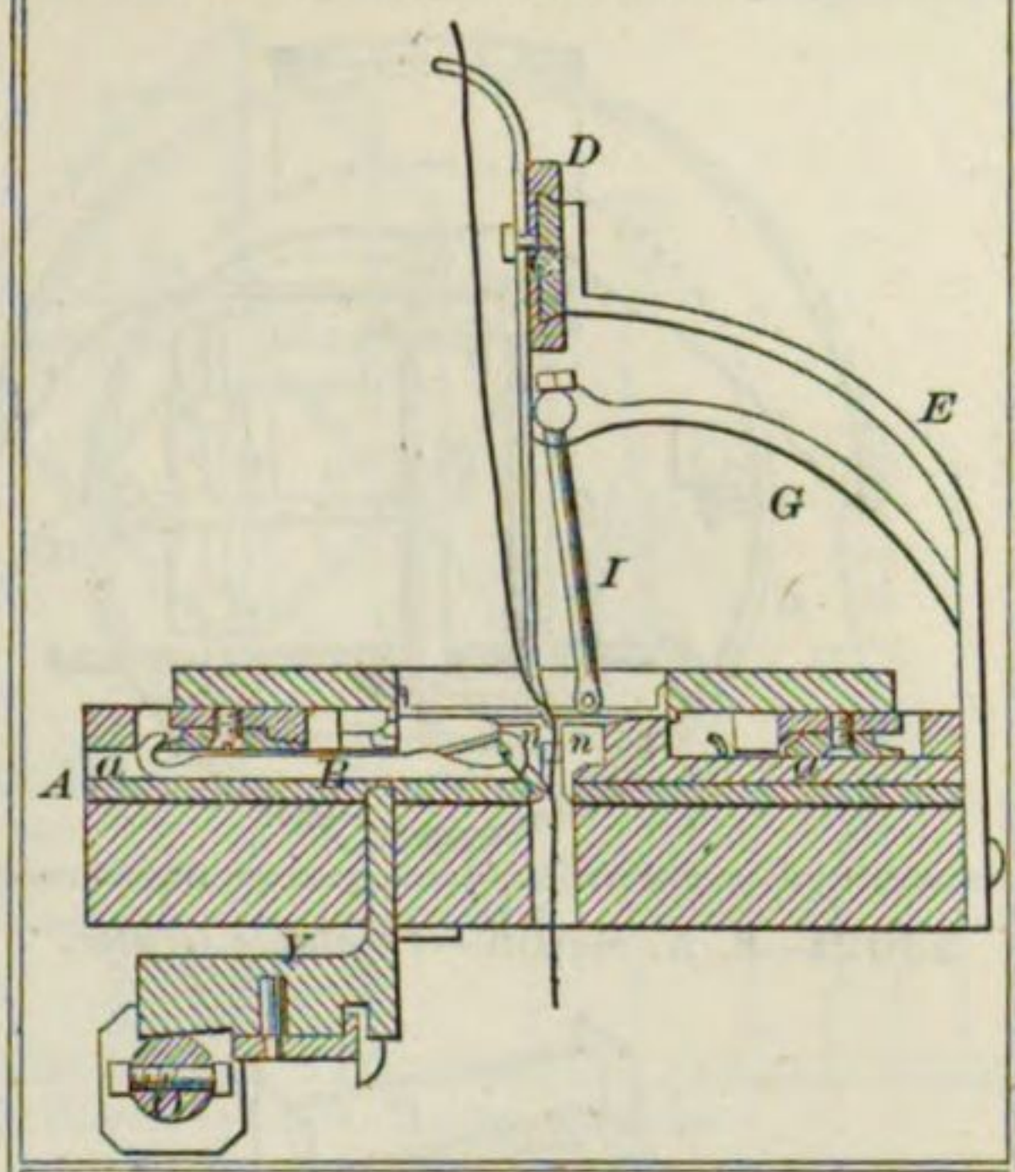
53011—T. H. Leavitt—*Peat Machine.*



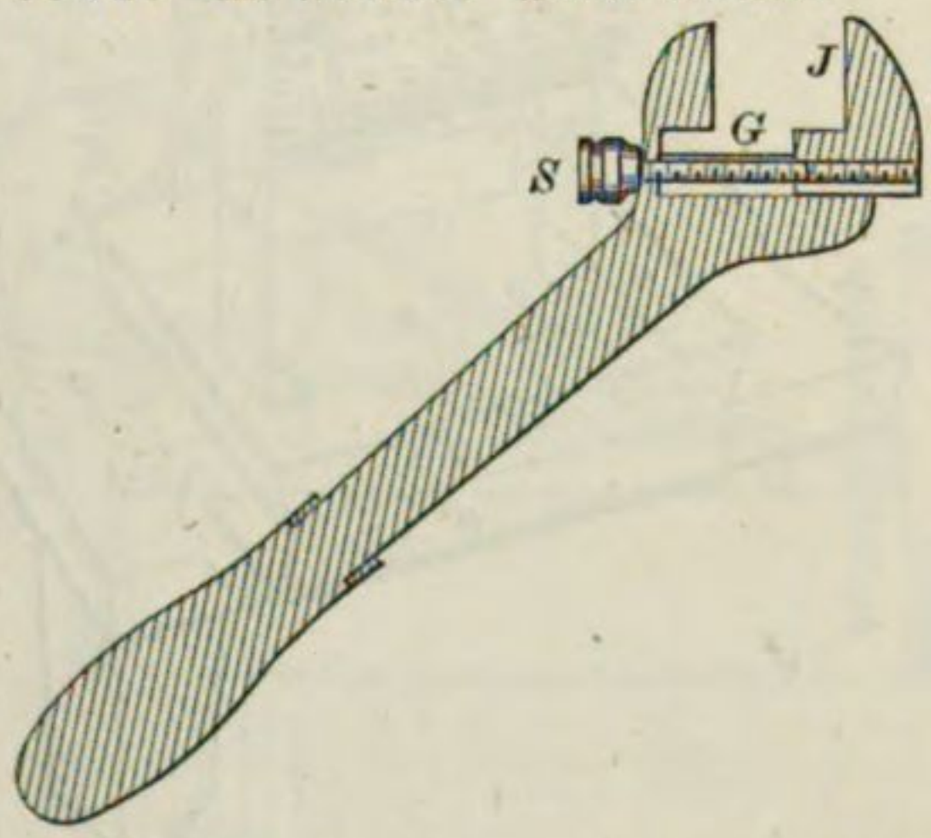
53012—J. F. Lauth—*For Rolling Iron.*



53013—T. Langham—*Knitting Machine.*

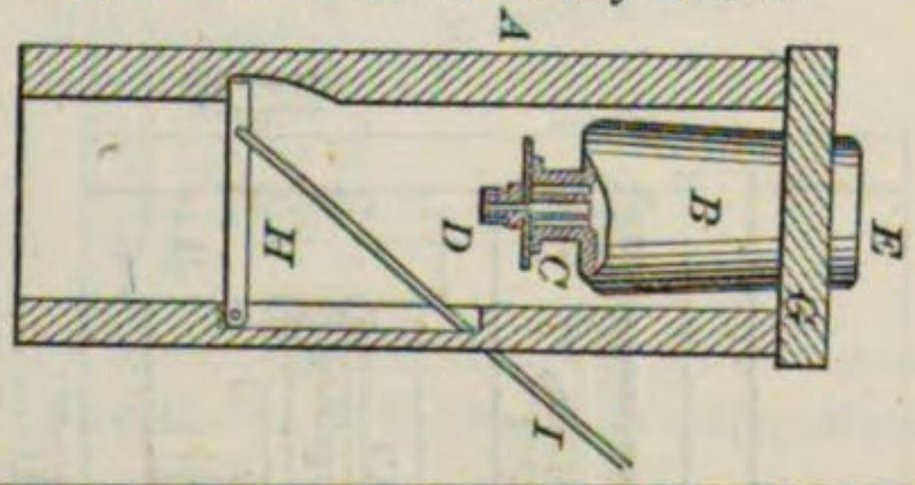


53016—H. W. Love—*Screw Wrench.*

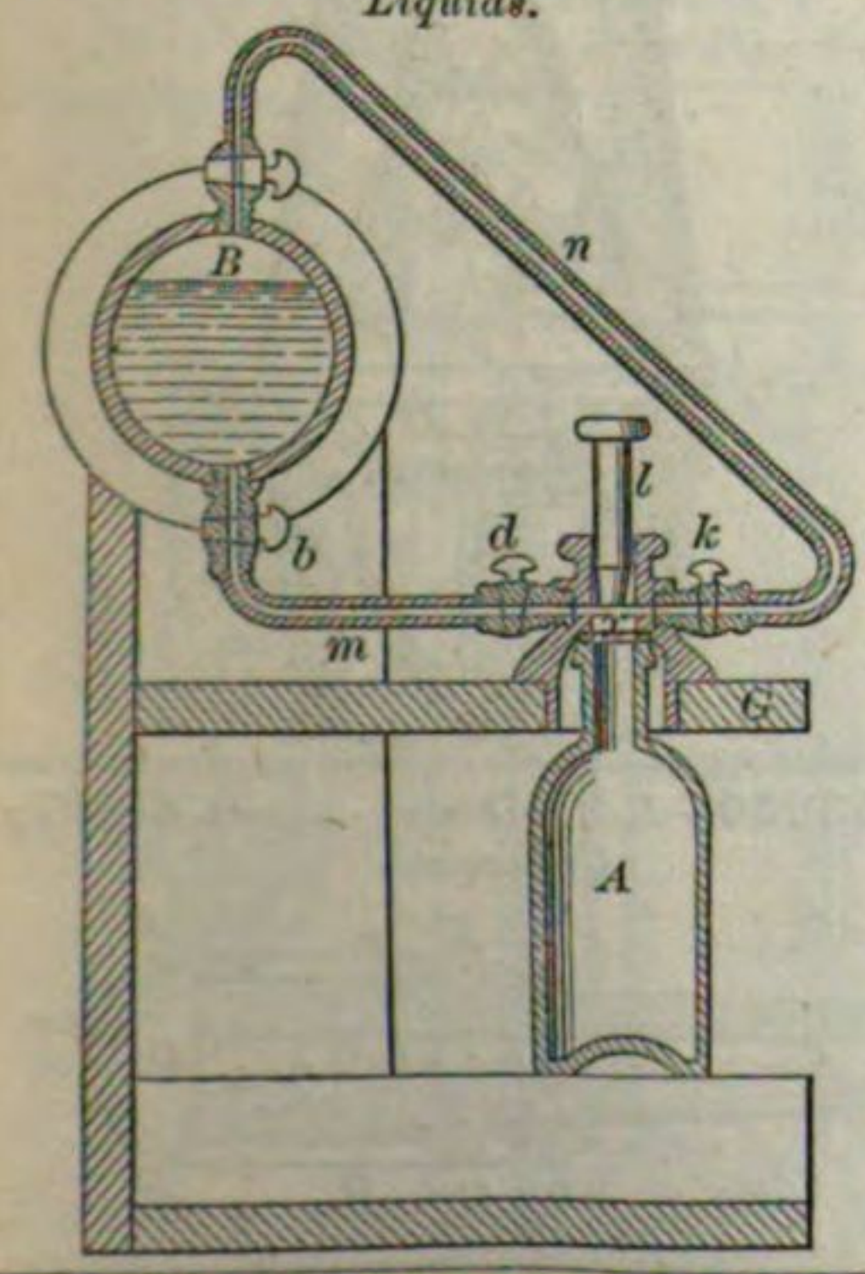


53017—C. A. Mallory—*Buckle.*

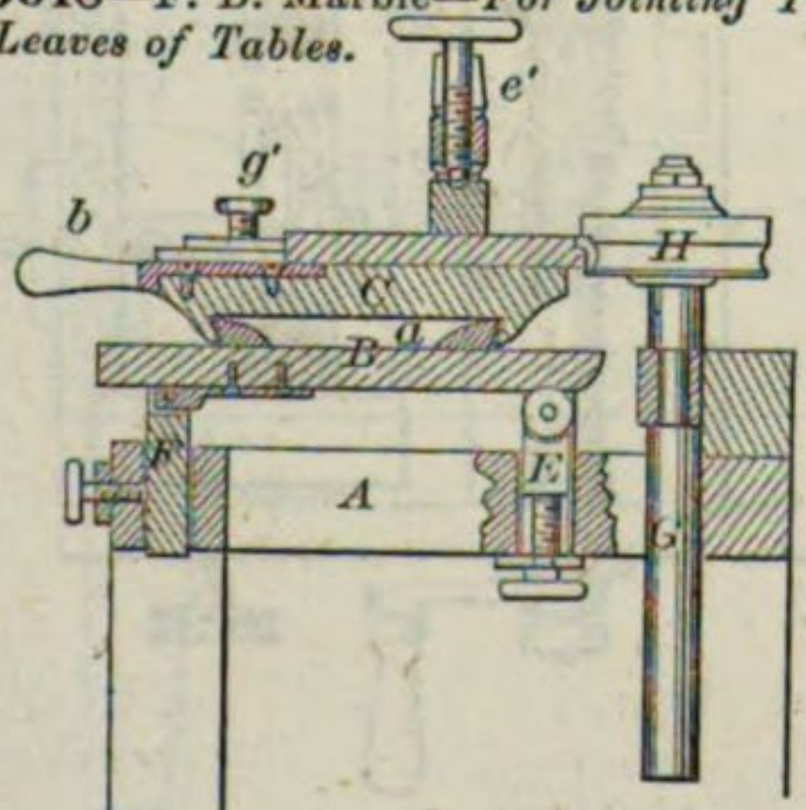
53015—J. F. Lewis—*Thief Alarm.*



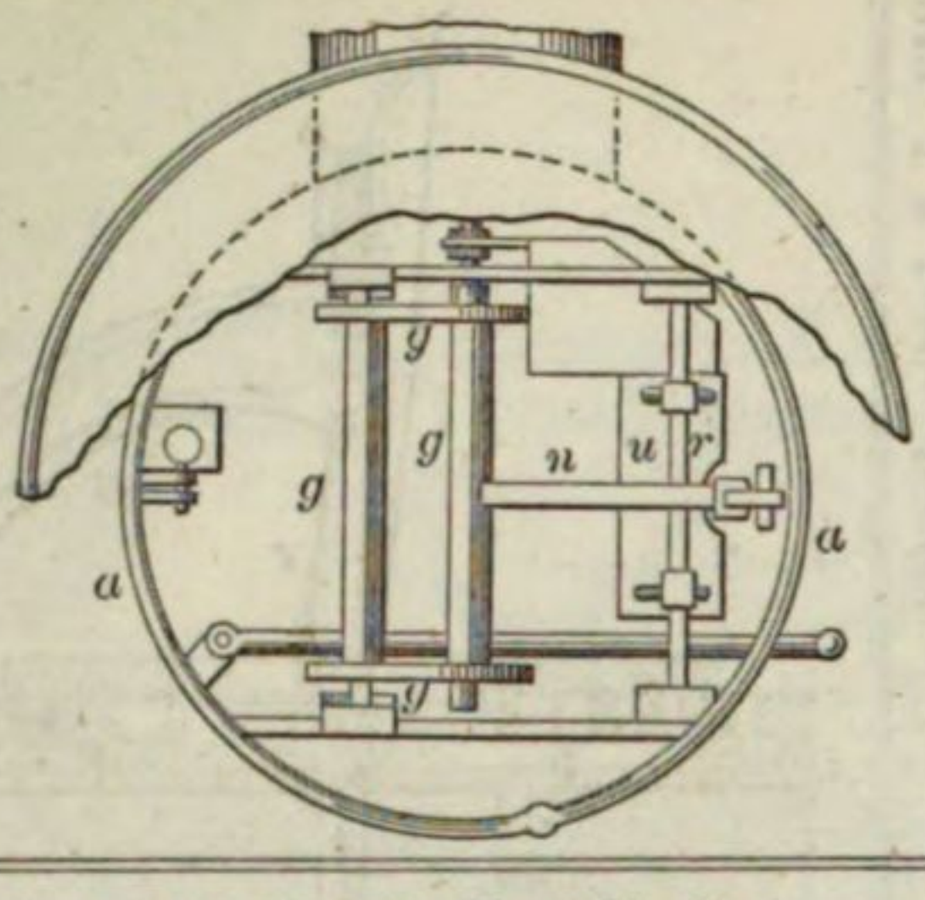
53019—J. Mathews, Jr.—*For Bottling Liquids.*



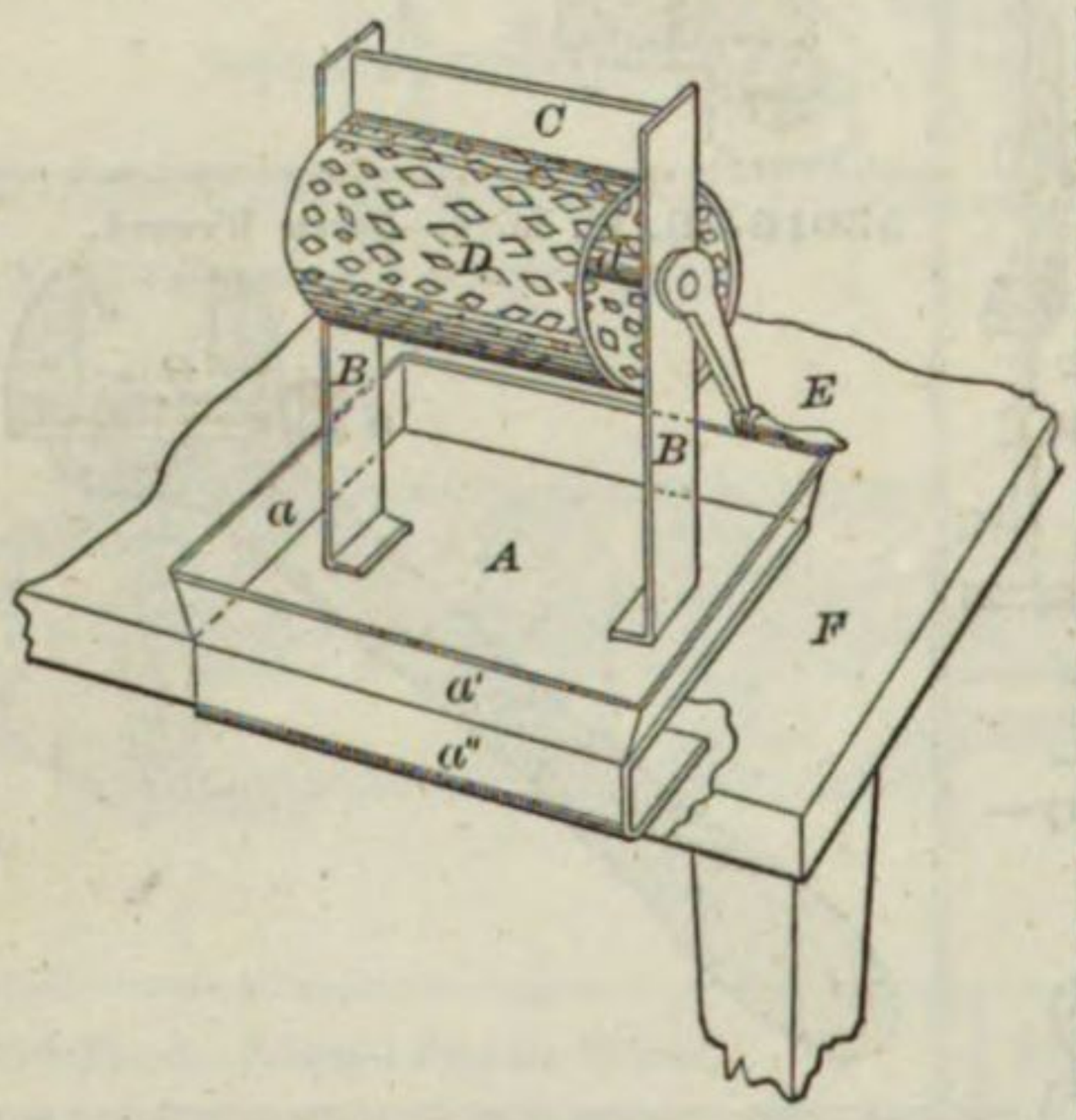
53018—F. B. Marble—*For Jointing Tops and Leaves of Tables.*



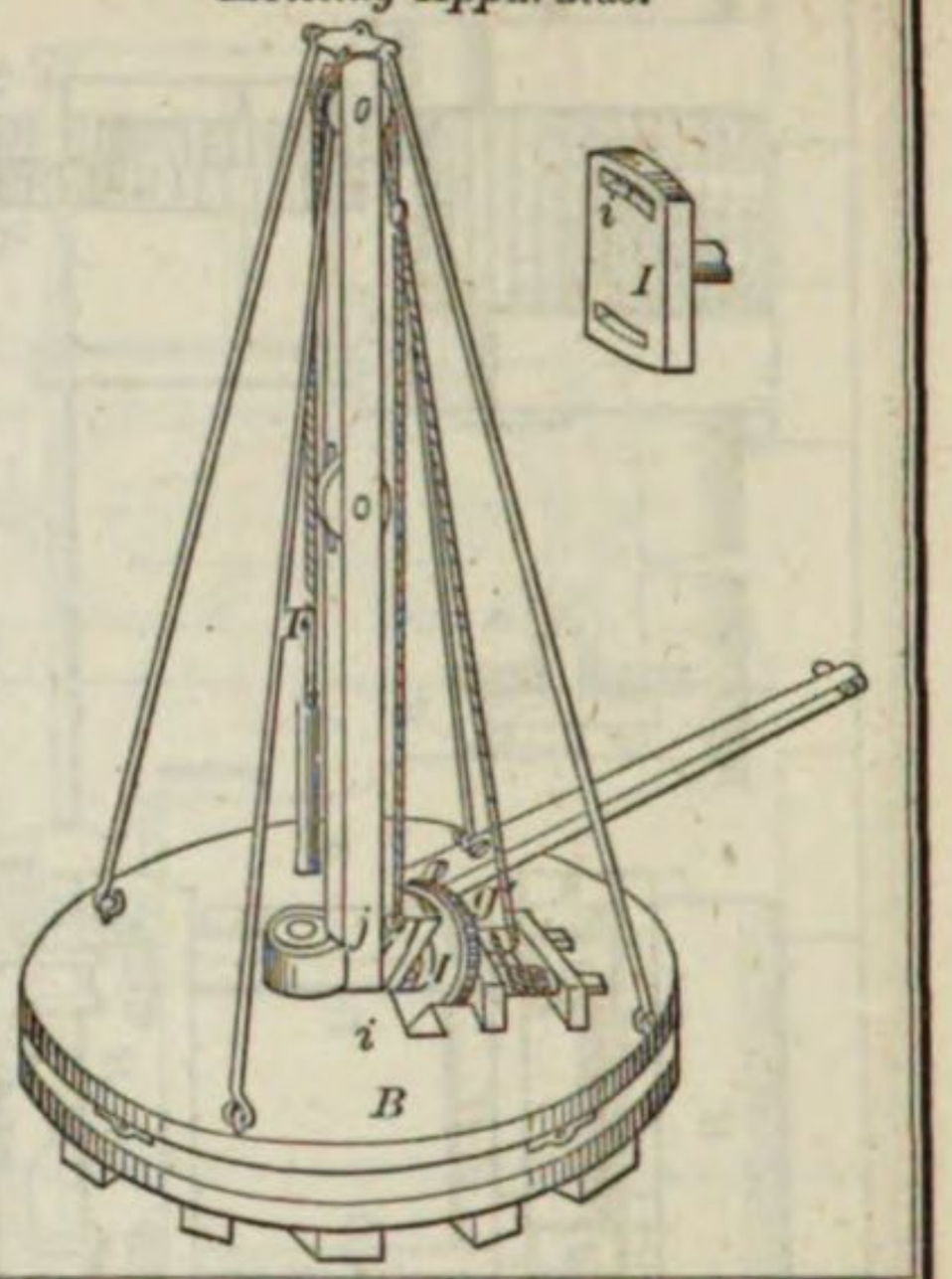
53020—A. Y. McDonald—*Balance.*



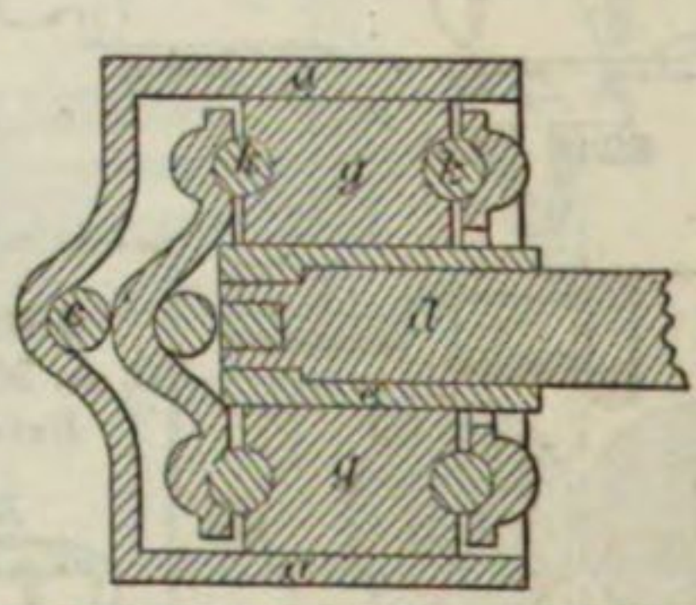
53021—S. A. McGill—*Vegetable Grater.*



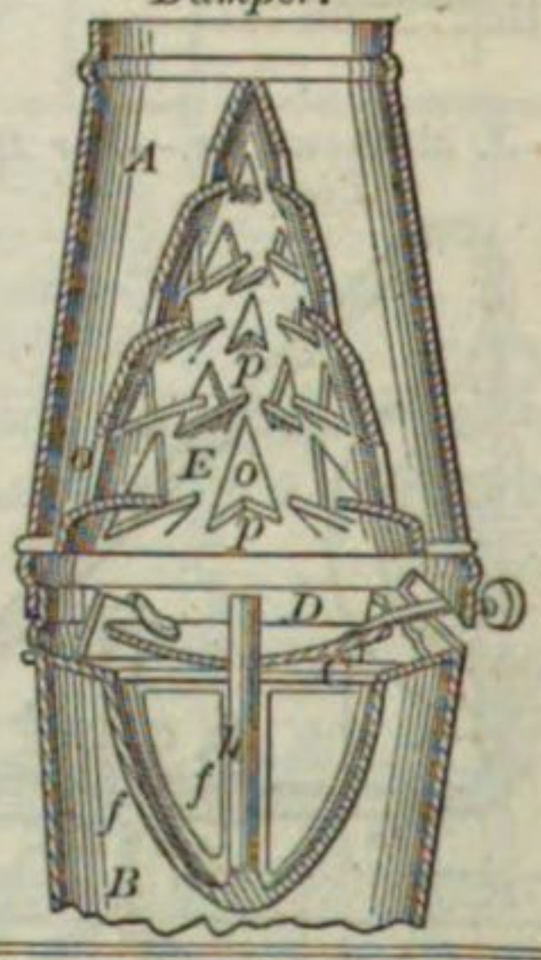
53022—McGill & Gibson—*Drilling and Hoisting Apparatus.*



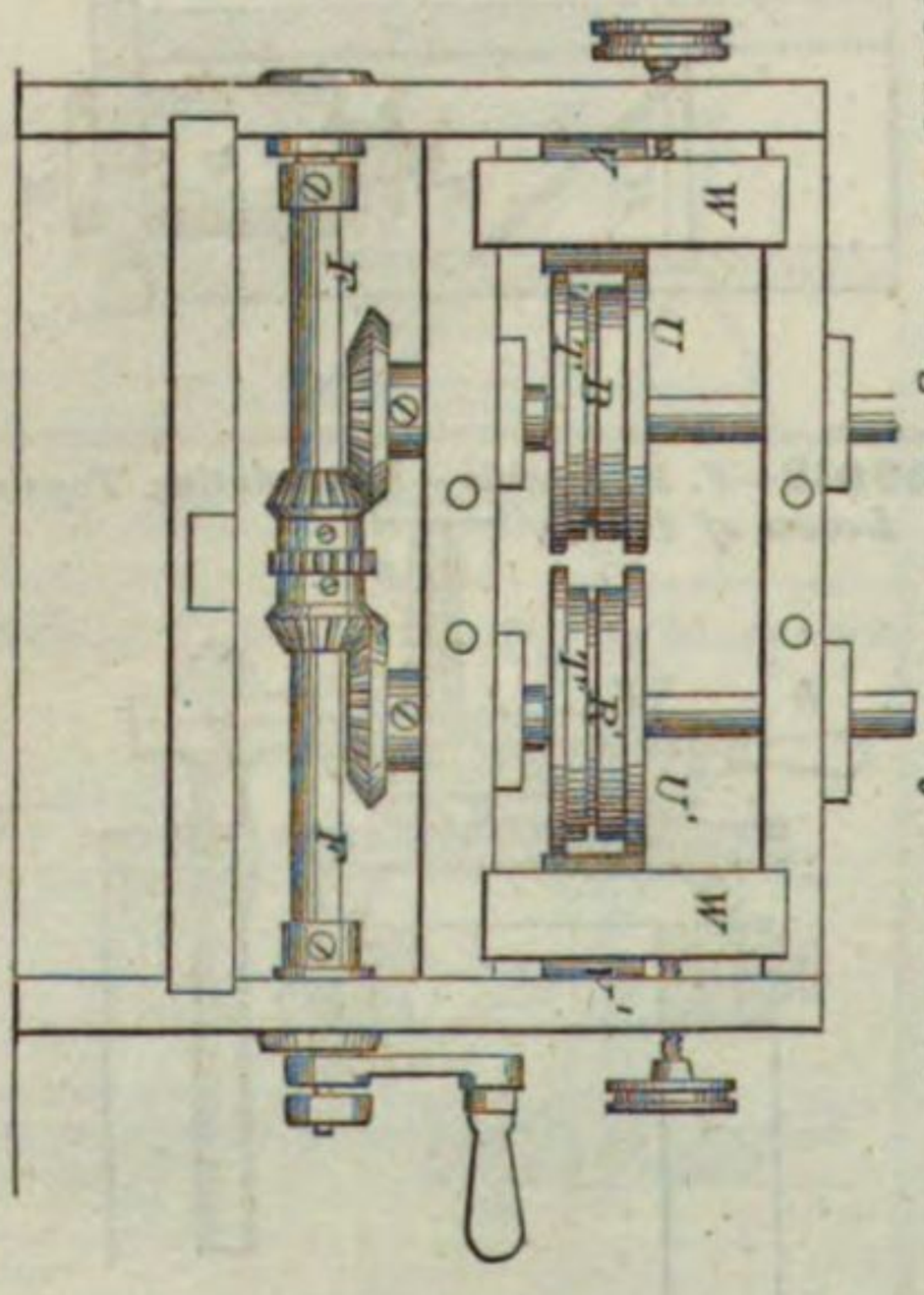
53023—W. S. Mead—*Journal and Box.*



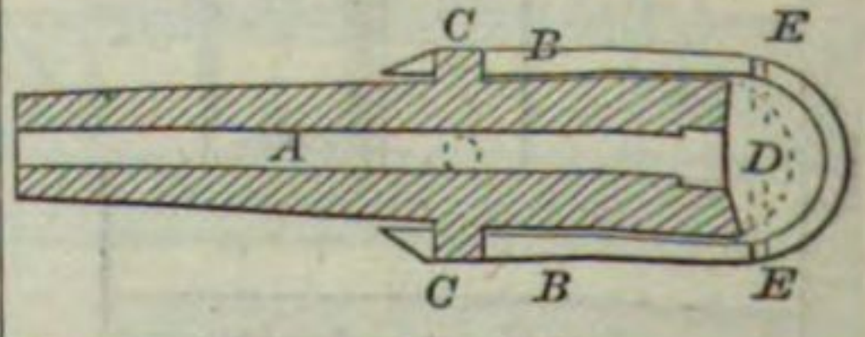
53024—J. C. Merritt—*Stove Pipe Damper.*



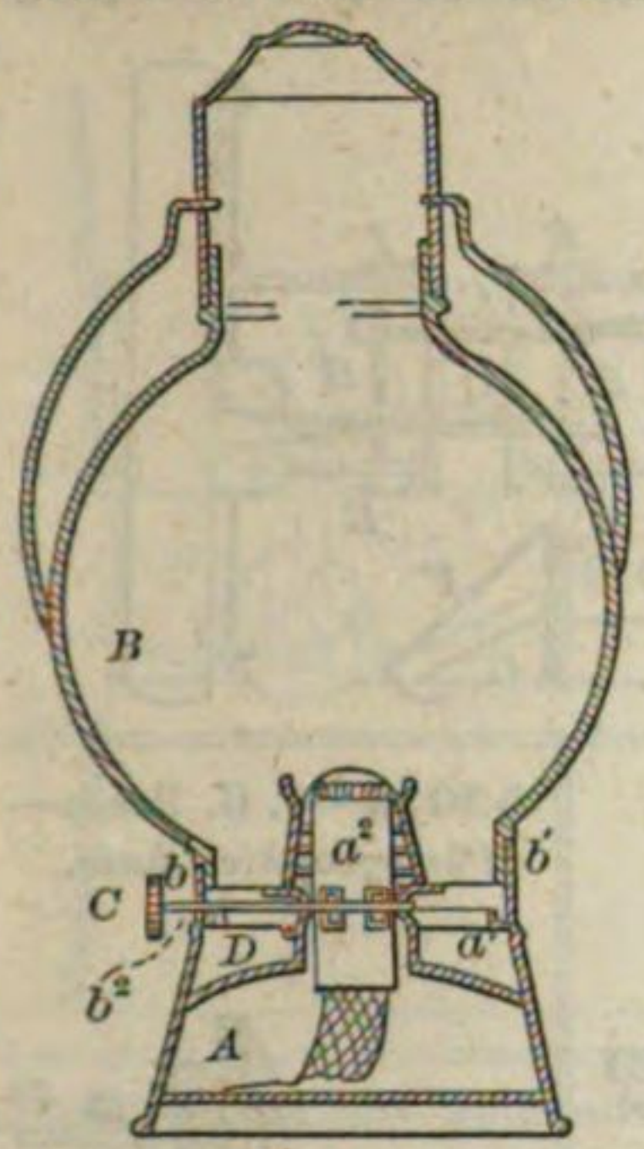
53025—J. B. Mignault—*For Rolling File Blanks.*

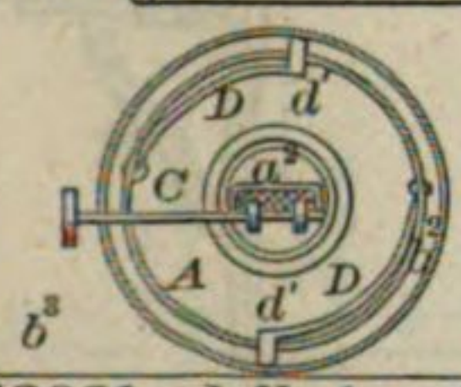


53026—J. B. Moody—*Breech-Loading Ordnance.*

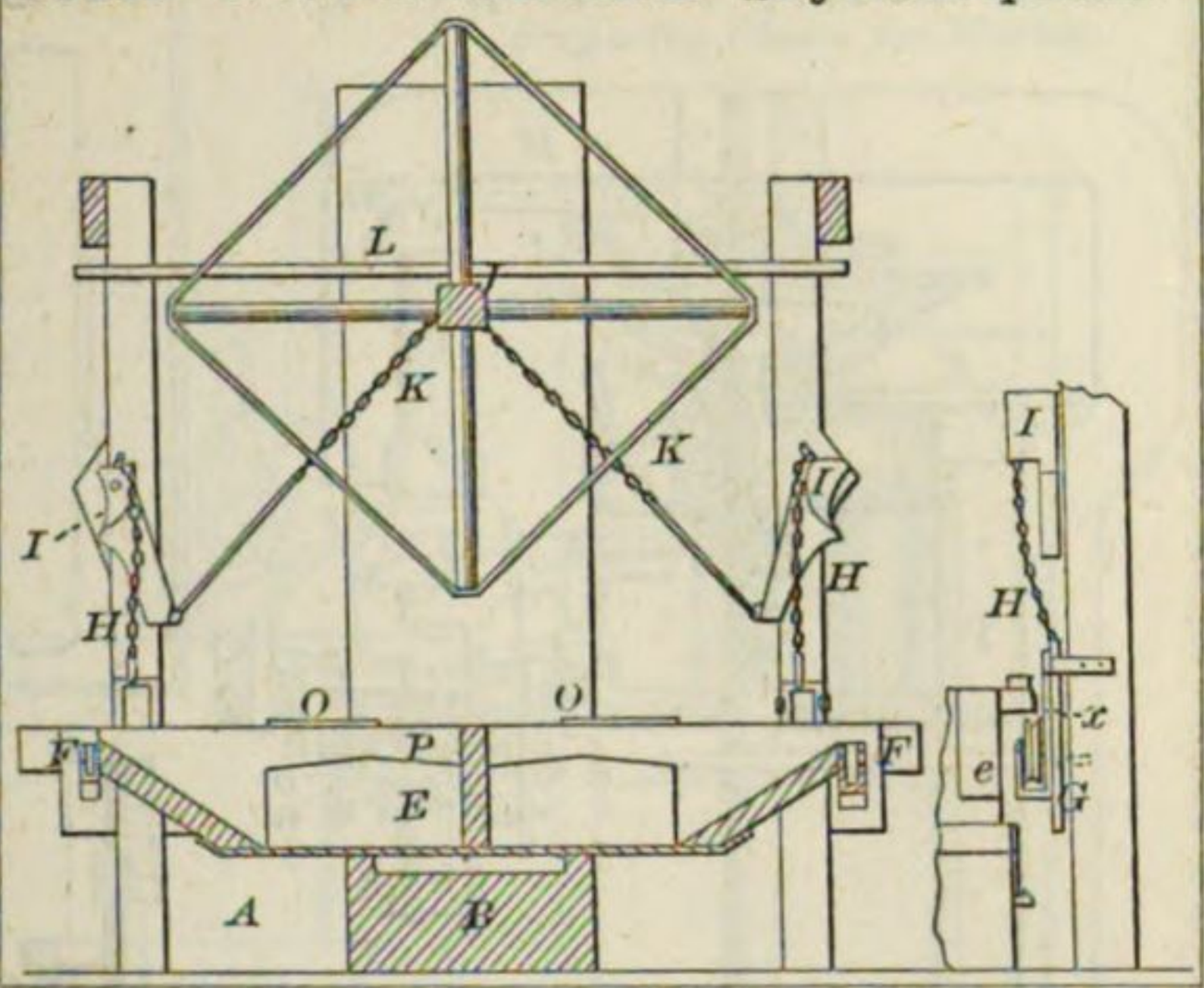


53027—J. C. Moore—*Lantern.*

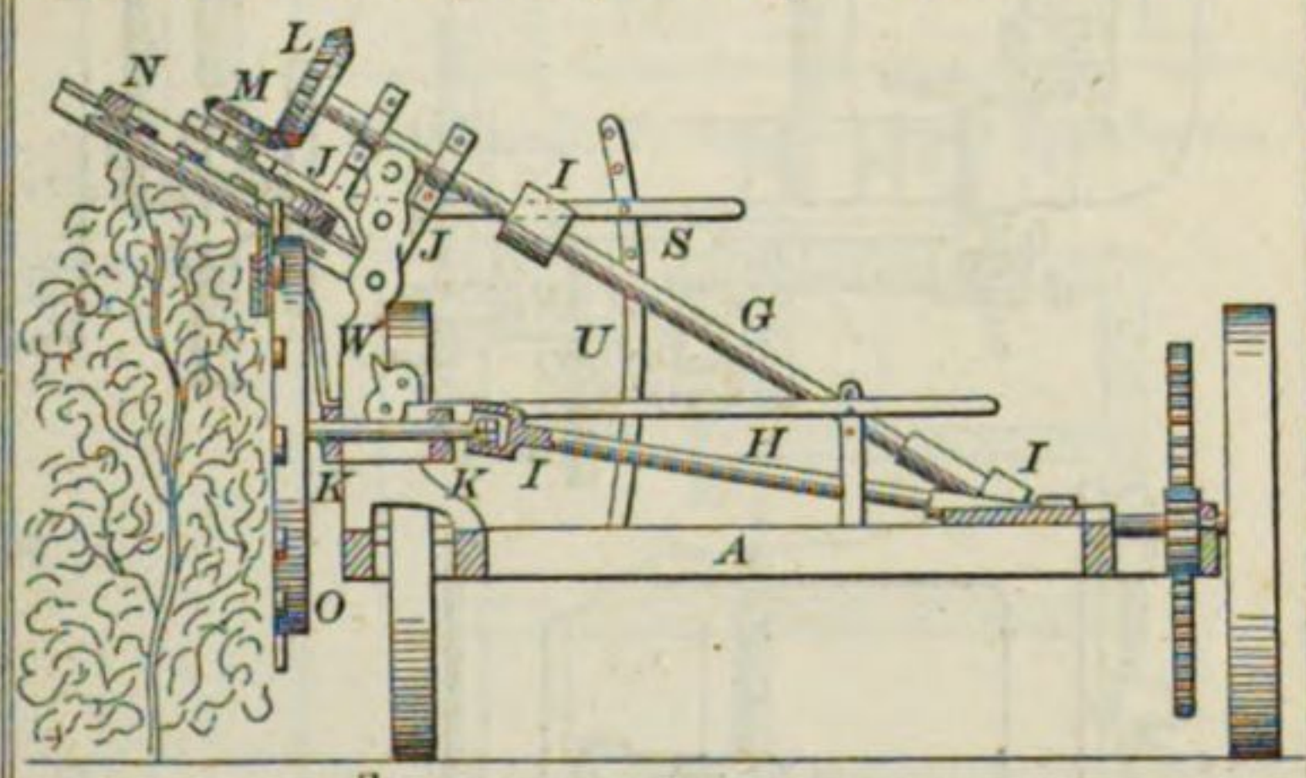




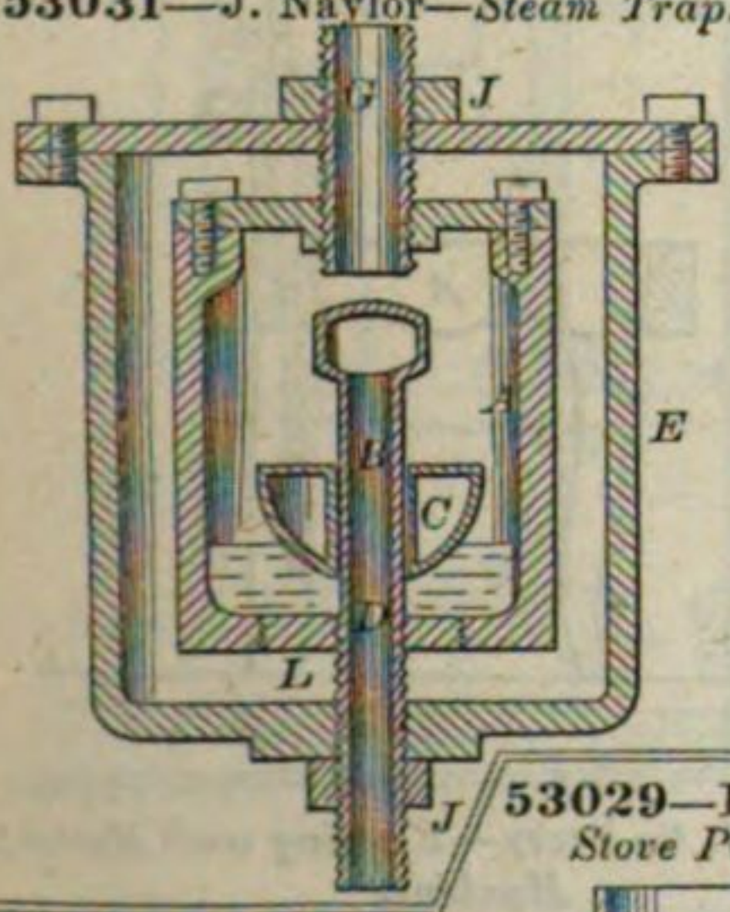
53028—C. T. & E. W. Moorman—*Sorghum Evaporator.*

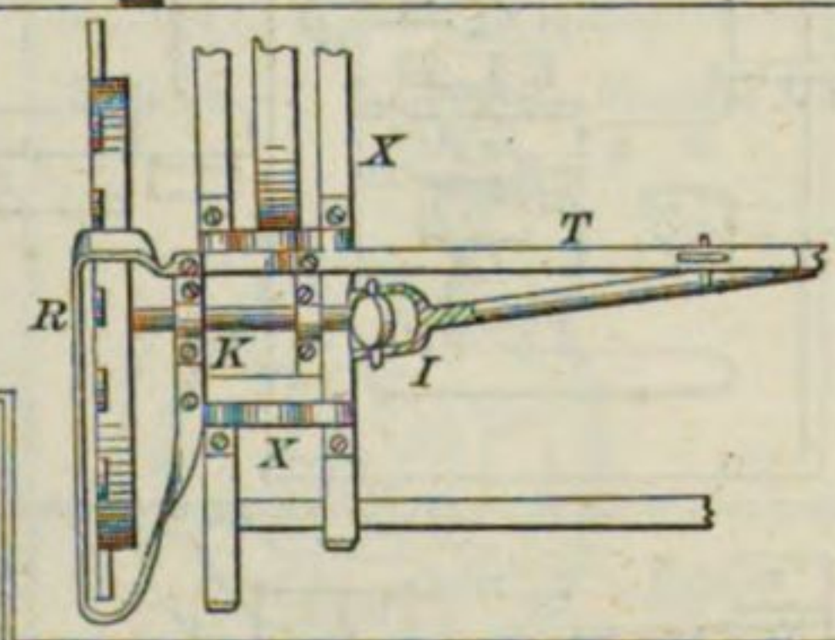


53033—D. Oliver—*Hedge Cutting Machine.*

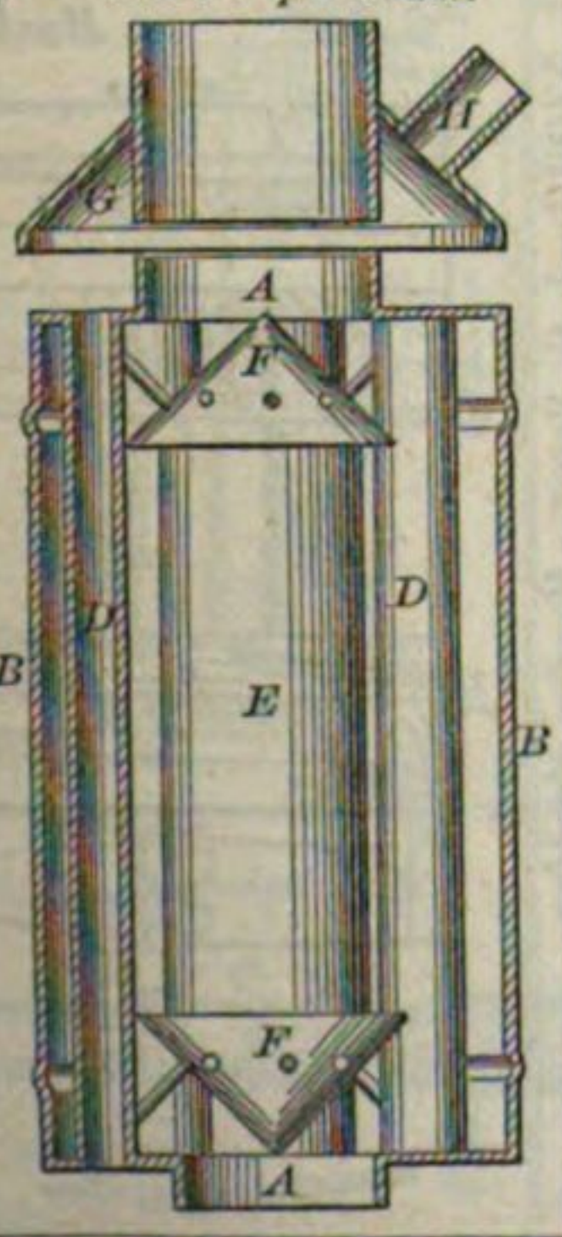


53031—J. Naylor—*Steam Trap.*





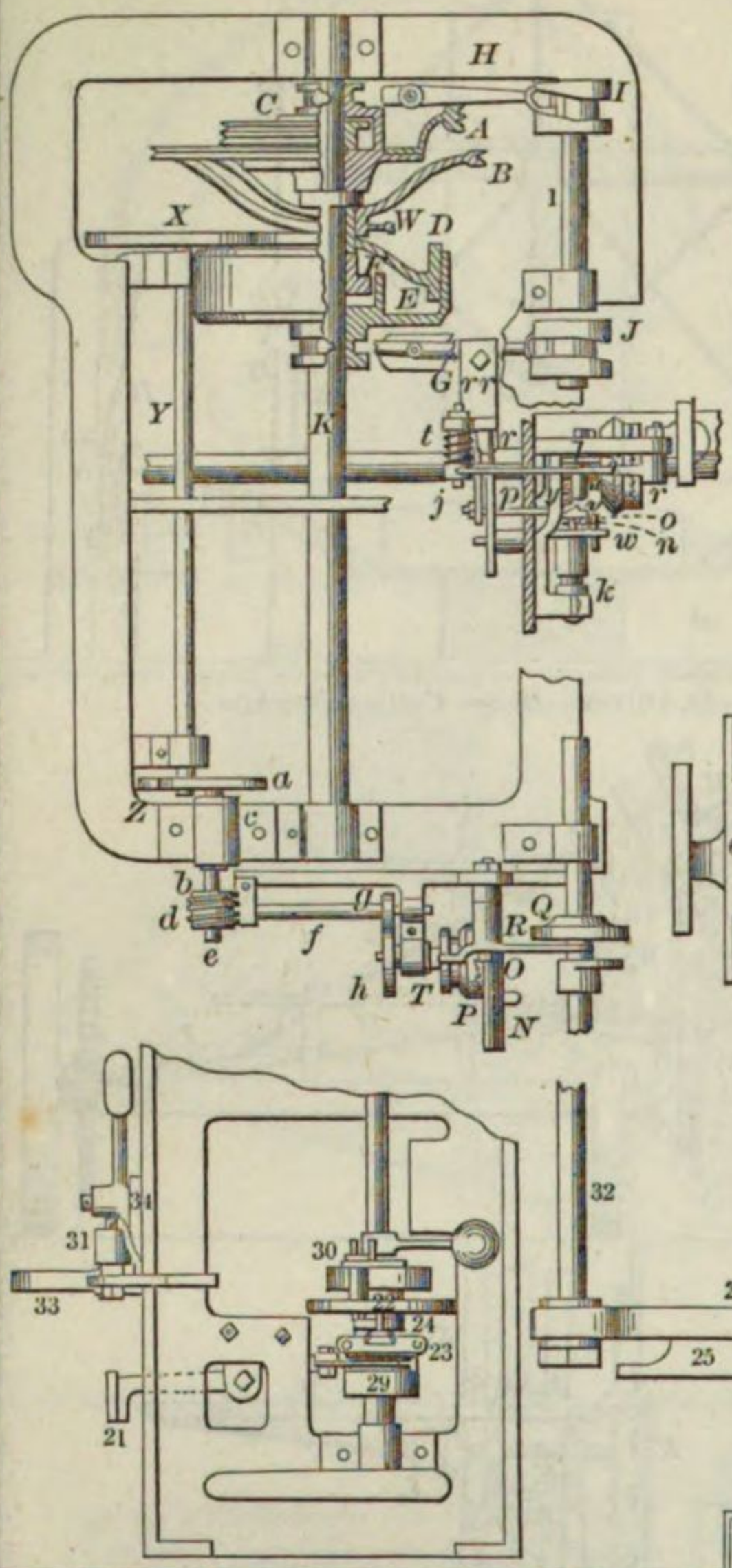
53029—E. P. Morse—*Stove Pipe Drum.*



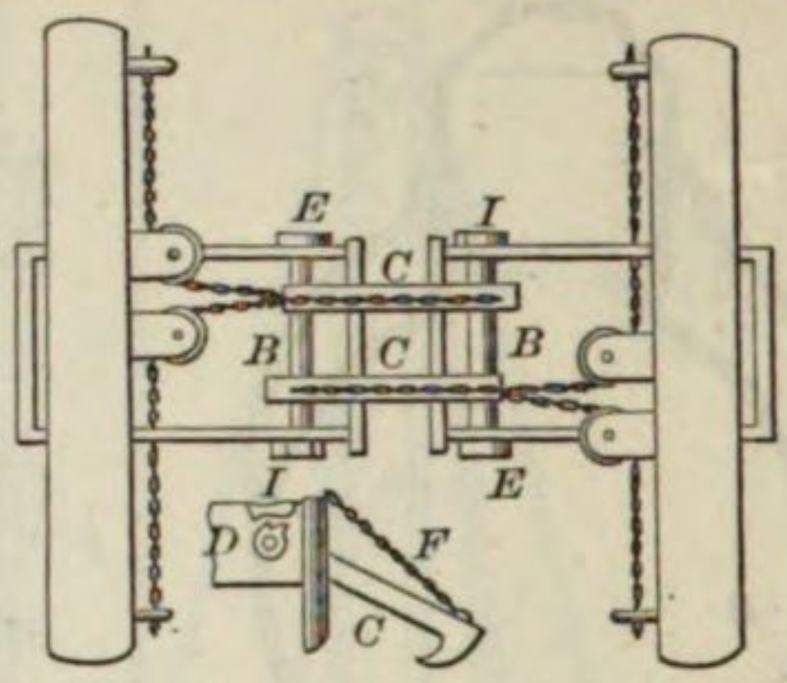
53030—M. P. Murphy—*Burglar Alarm.*

53035—A. B. Parsons—*Washing Machine.*

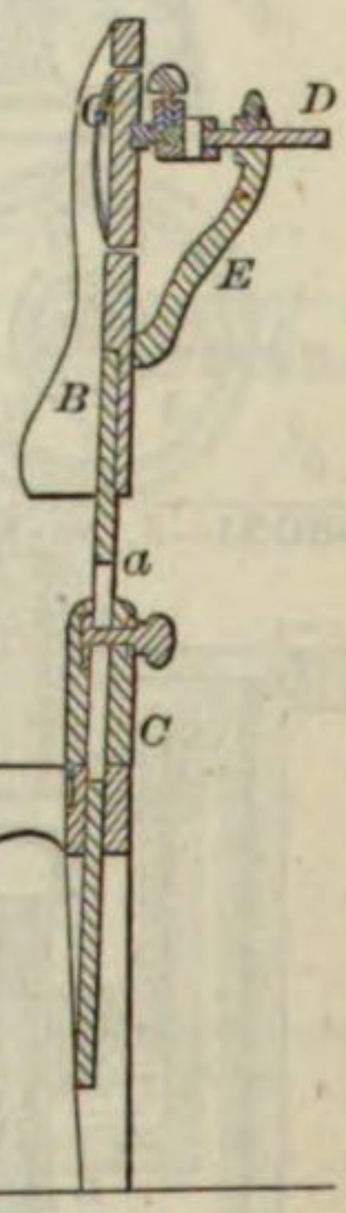
53036—S. D. Paul—*Mule for Spinning.*



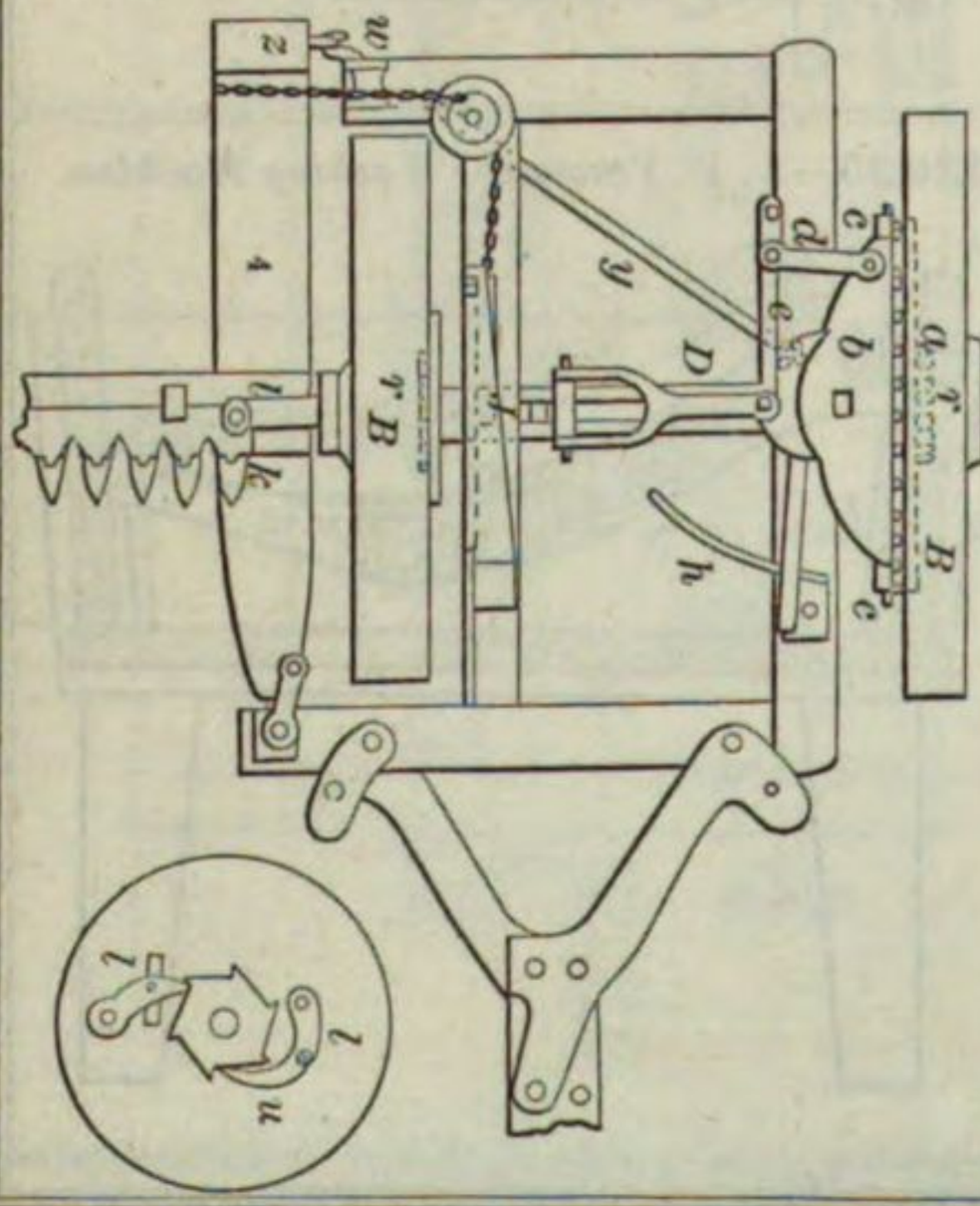
53037—Payne & Boxley—*Car Coupling.*



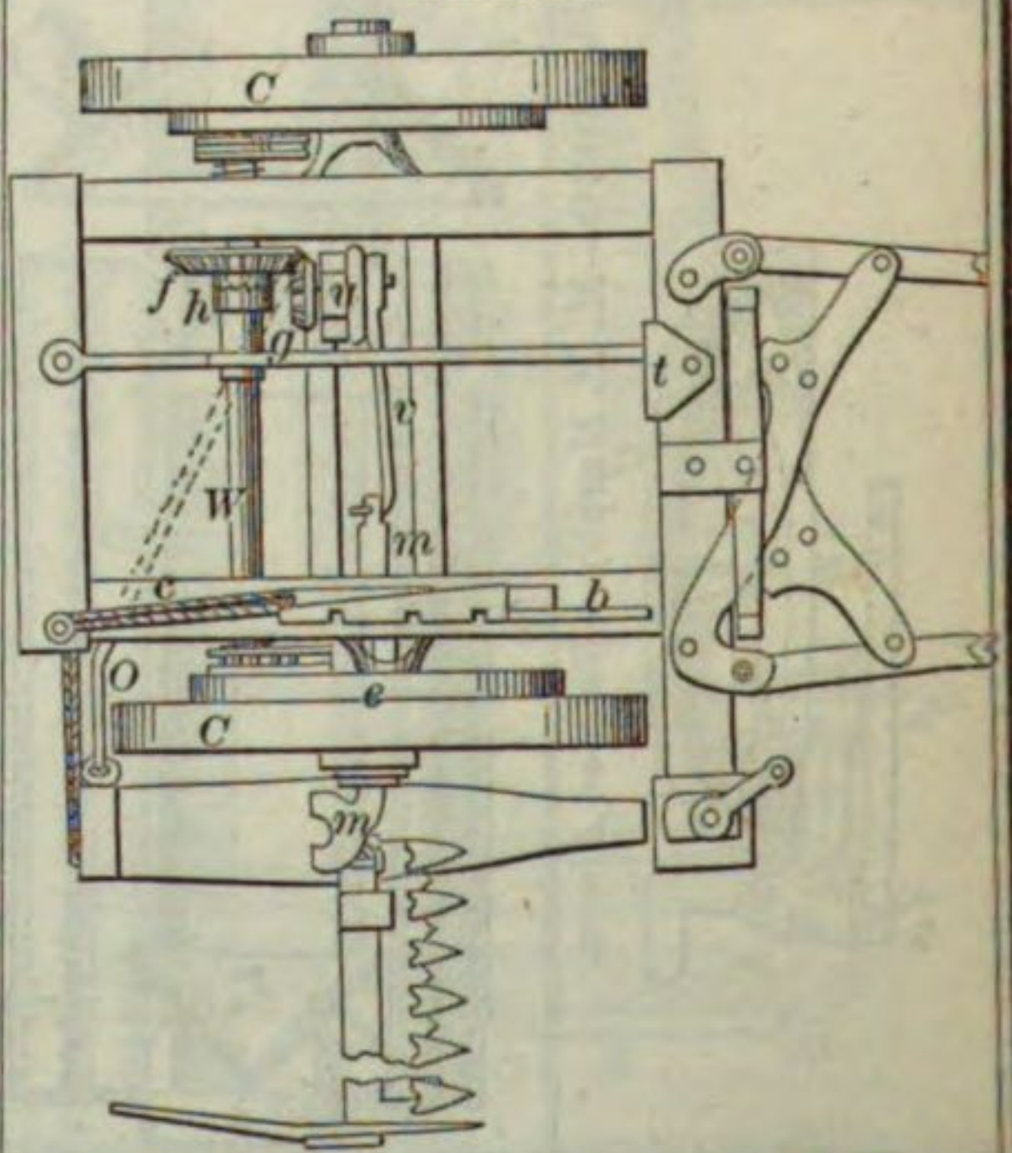
53038—C. G. Pease—*Photographic Chair.*



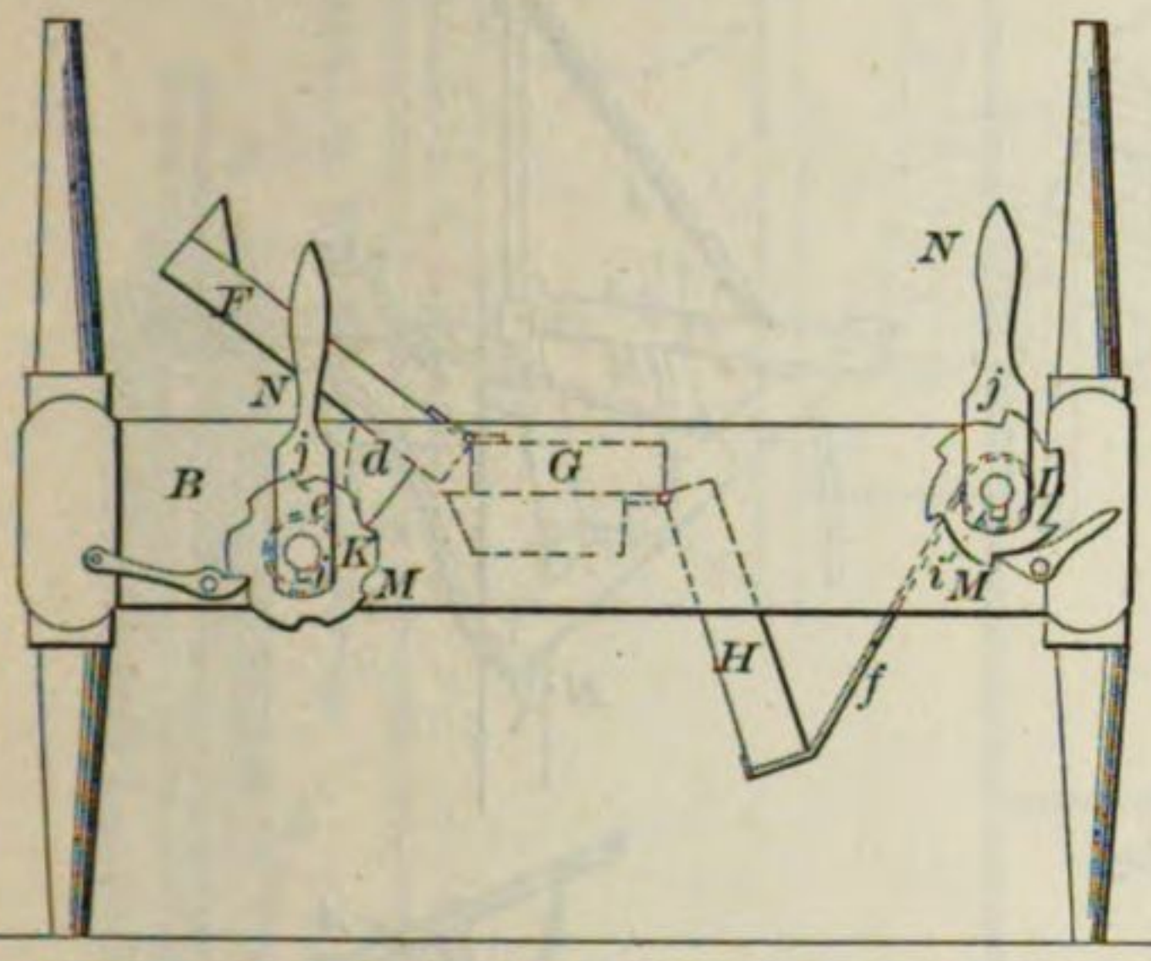
53039—J. G. Perry—*Mowing Machine.*



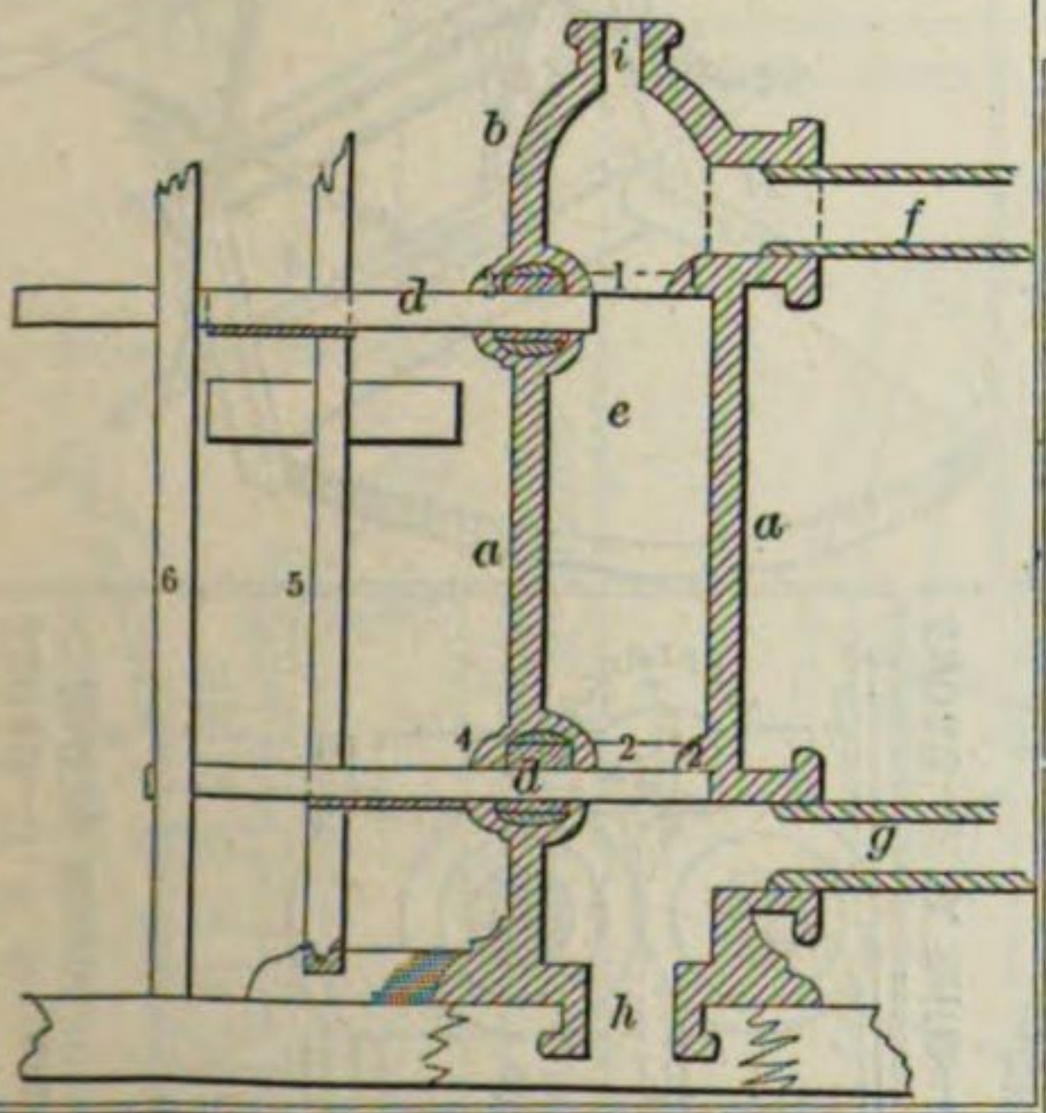
53040—J. G. Perry—*Reaping and Mowing Machine.*



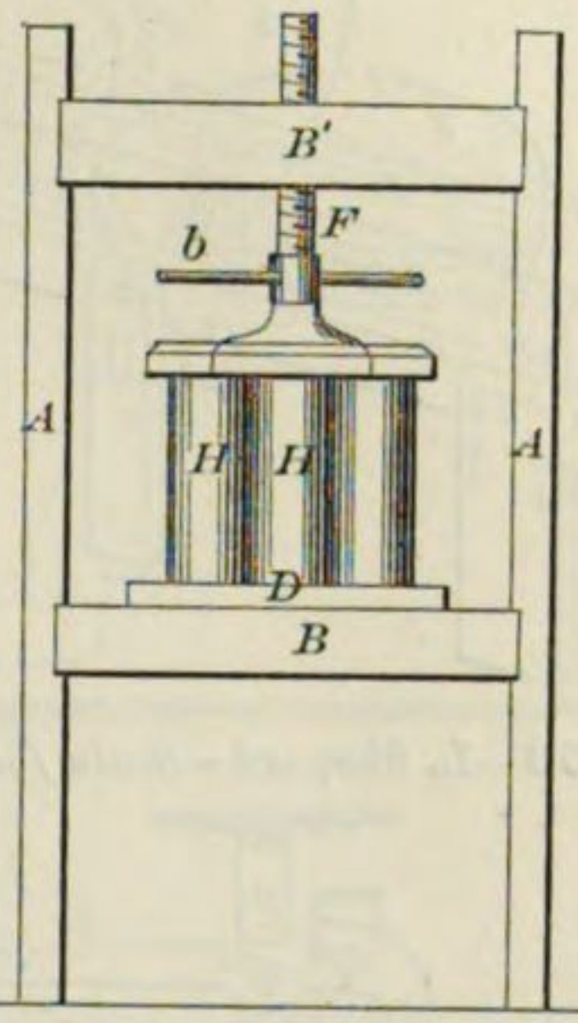
53041—S. Puffer—*Invalid Bedstead.*



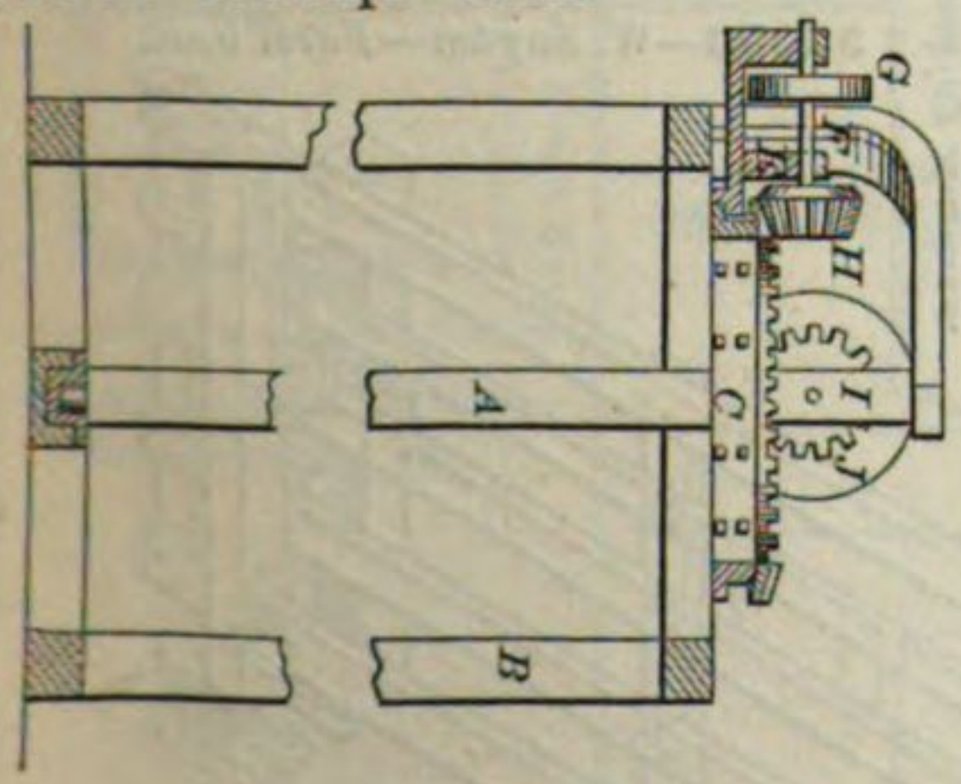
53042—E. Quinn—*Automatic Boiler Feeder.*



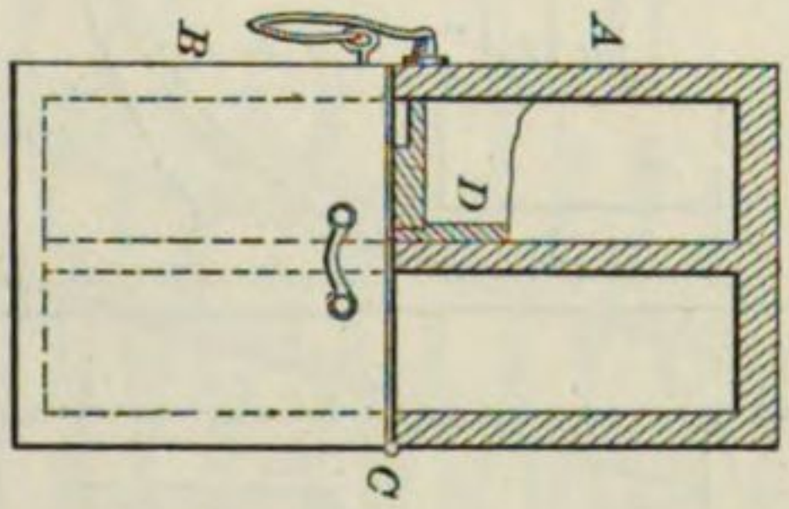
53043—L. J. Randall—*Preparing Cheese for Market.*



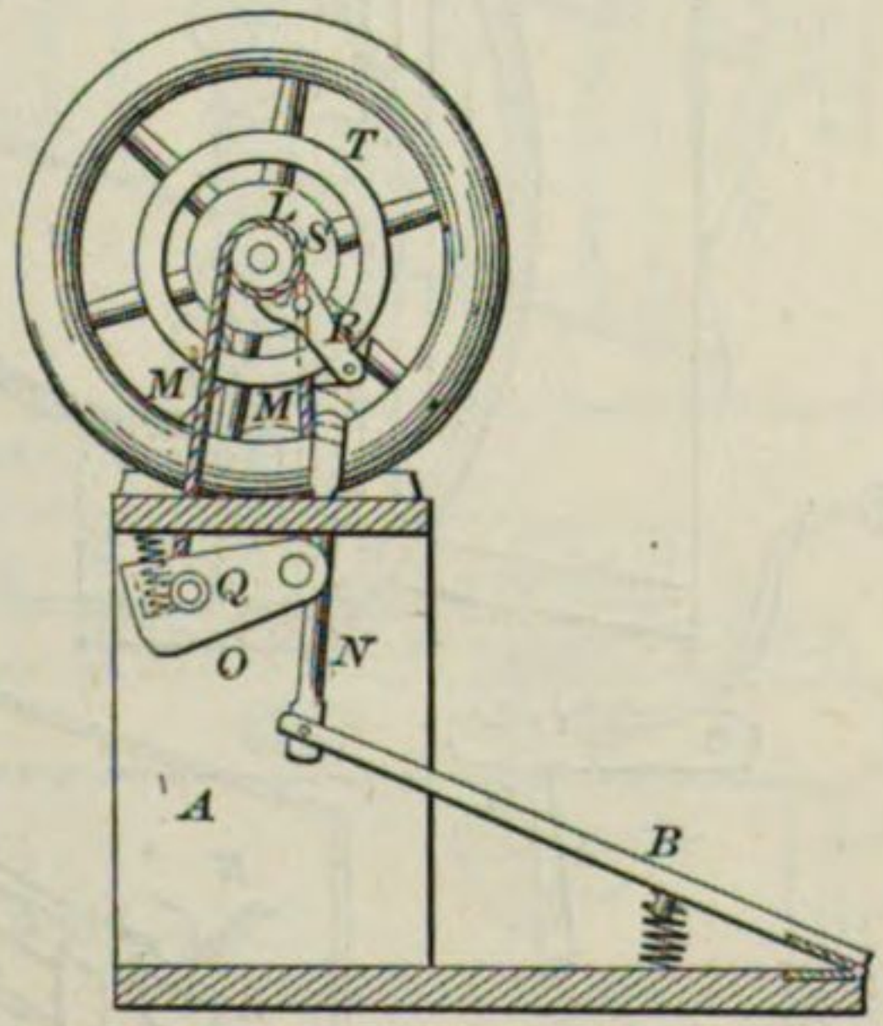
53044—F. Rumpf—*Crane.*



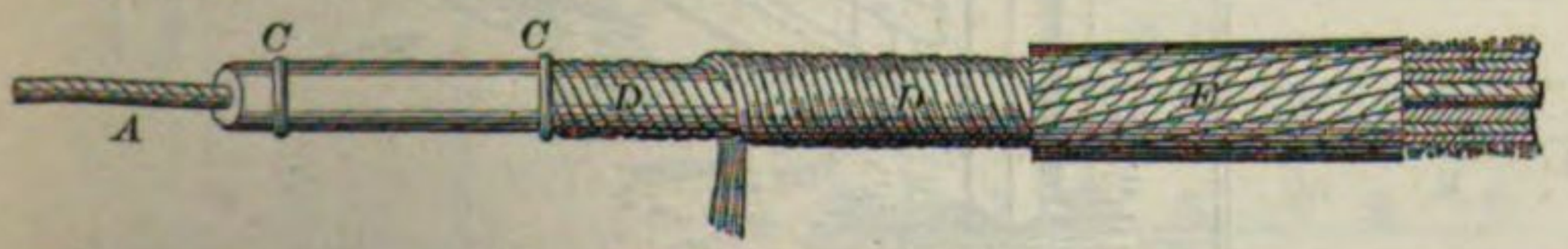
53045—A. V. Ryder—*Trunk and Bureau.*



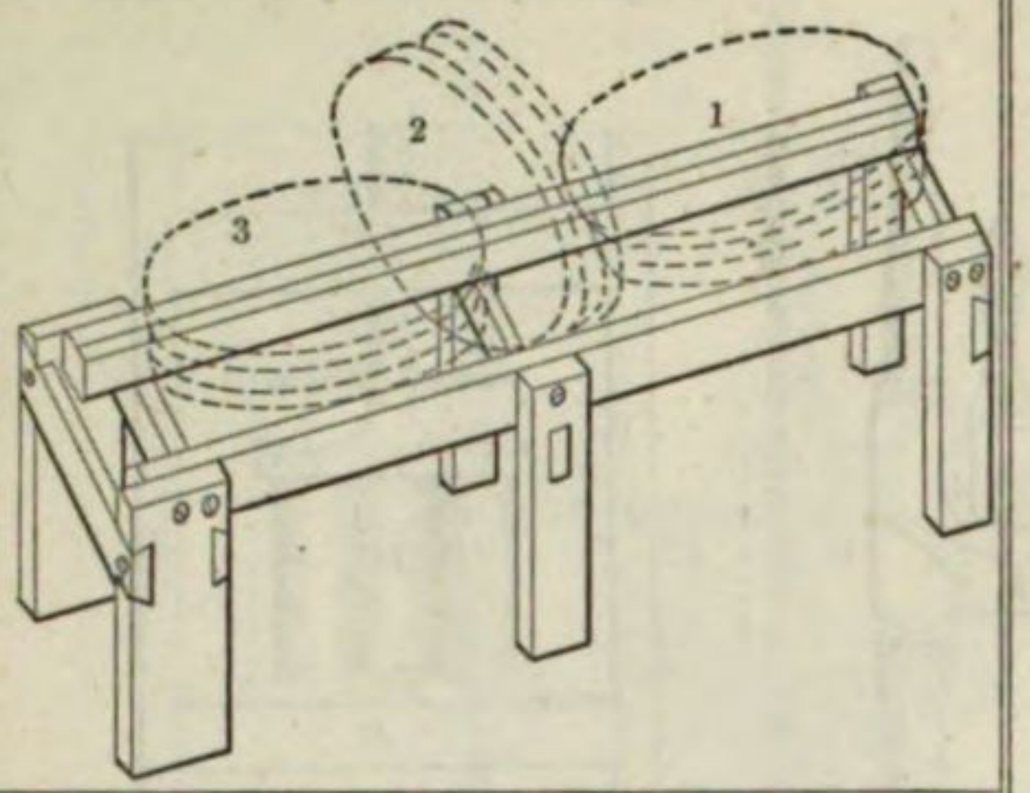
53046—E. P. Ryder—*Treadle Motion.*



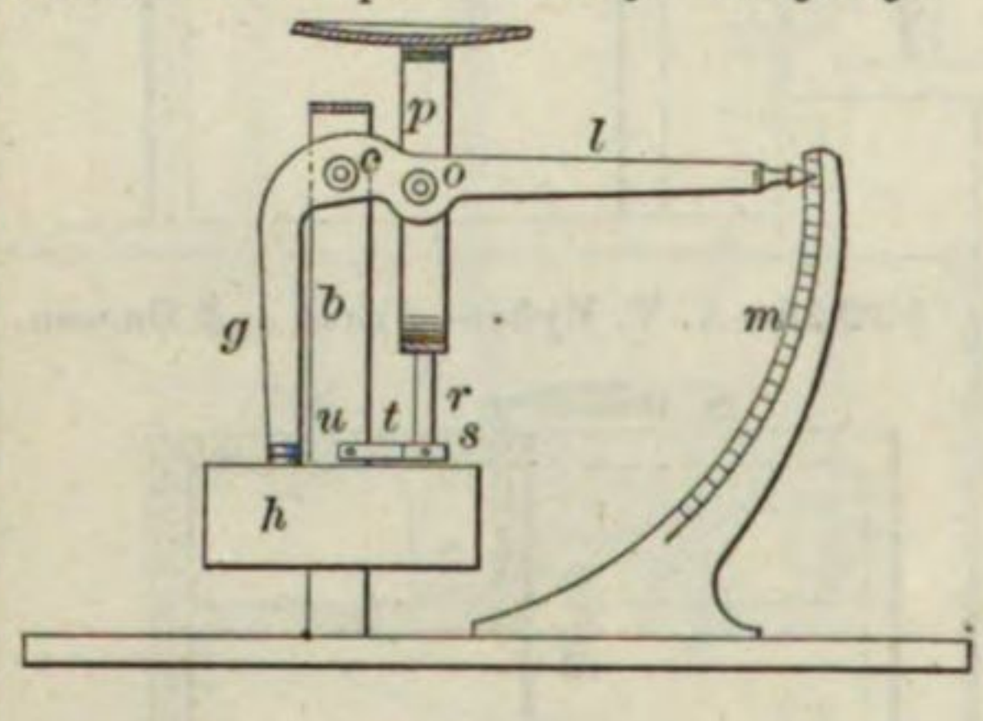
53047—P. A. Salvotti—*Telegraph Cable.*



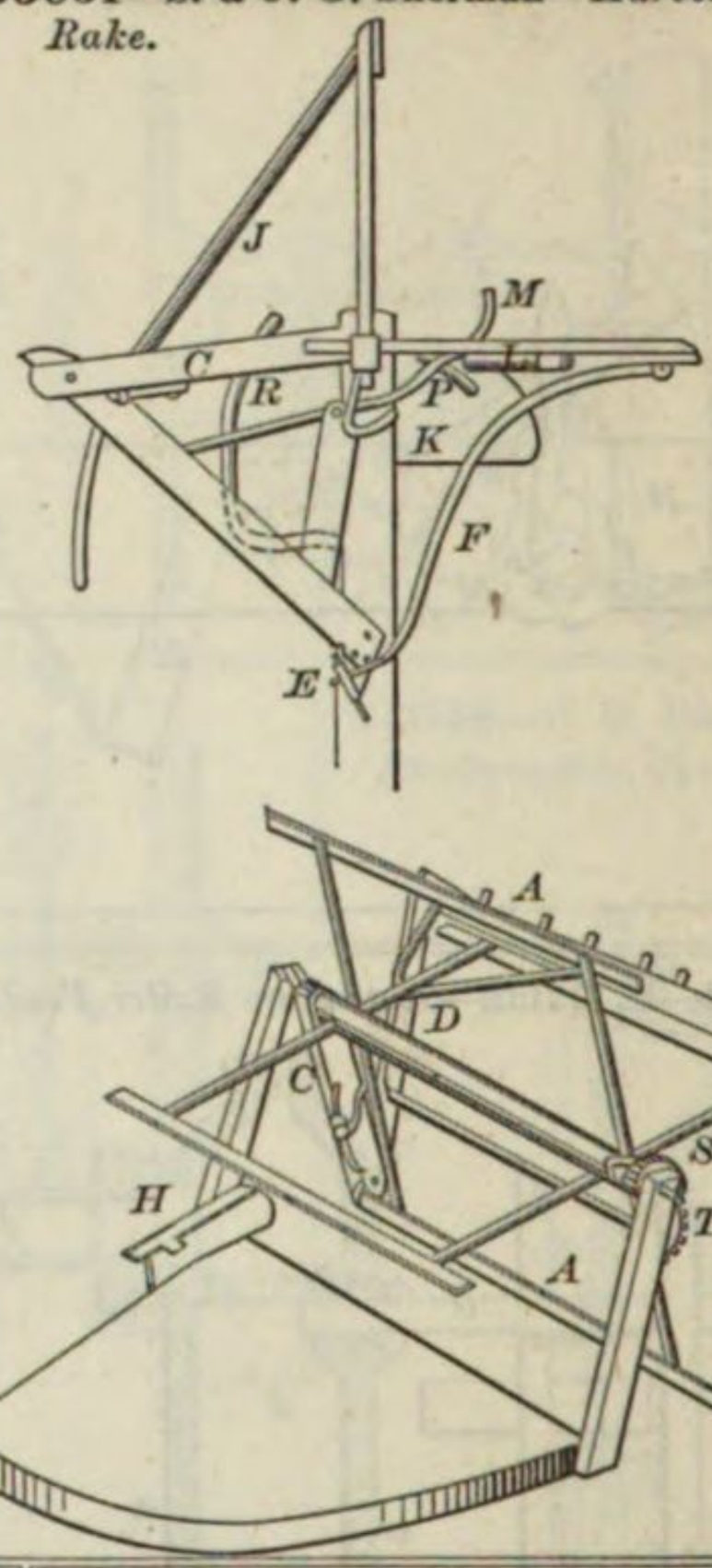
53048—R. Scott—*Turning Cheese.*



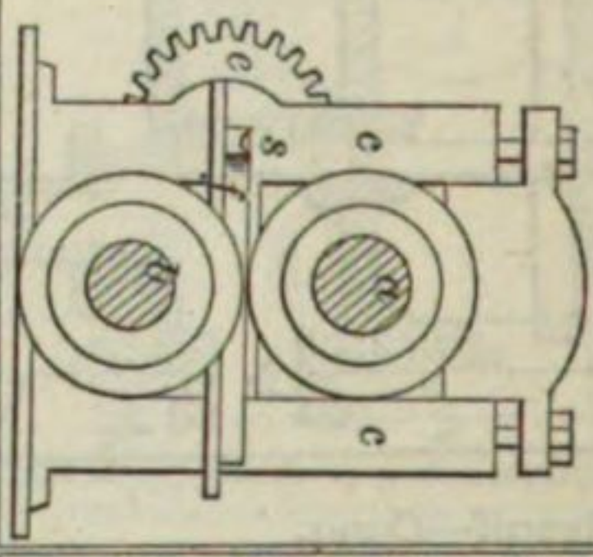
53050—L. Shepard—*Scale for Weighing.*



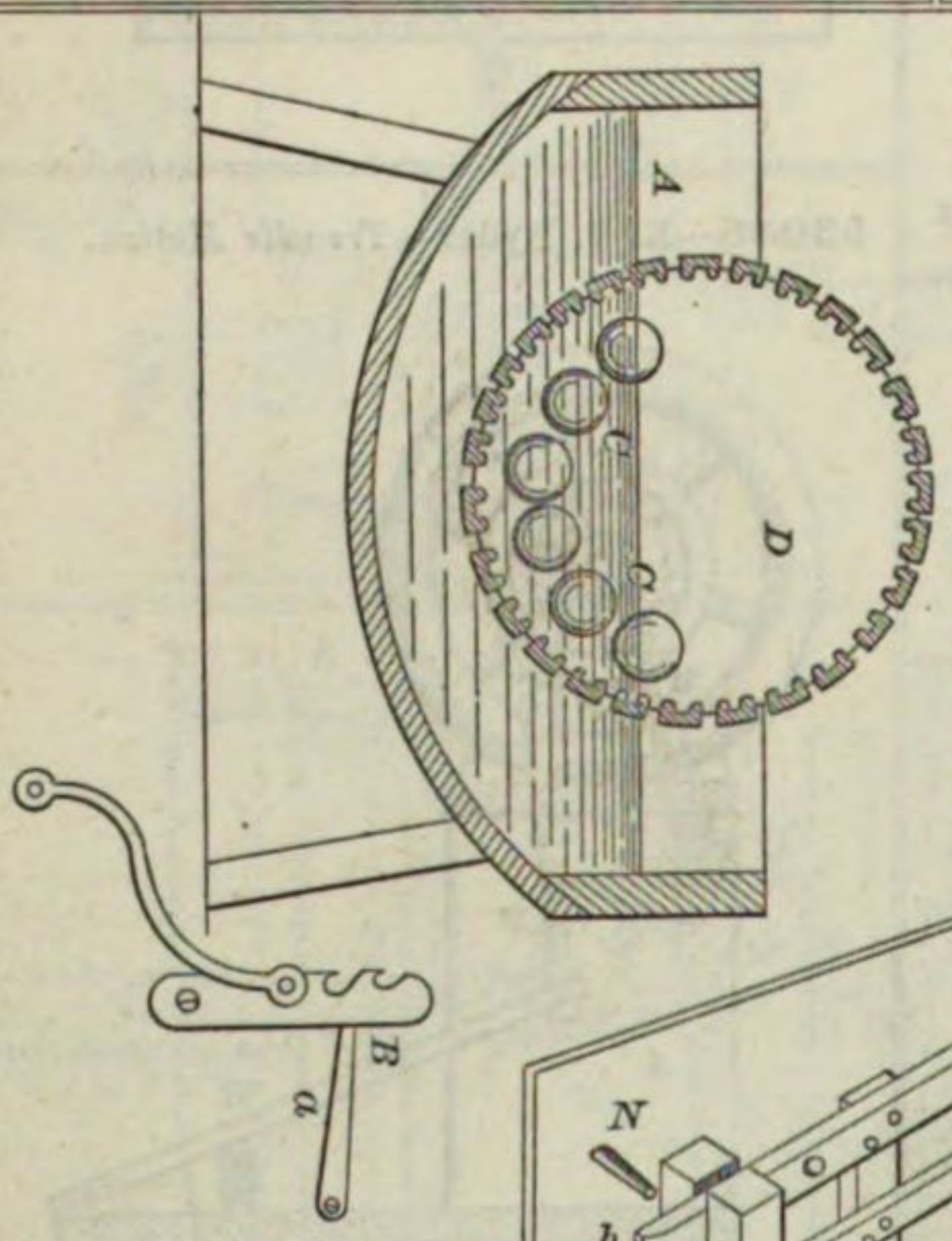
53051—S. & J. G. Sherman—*Harvester Rake.*



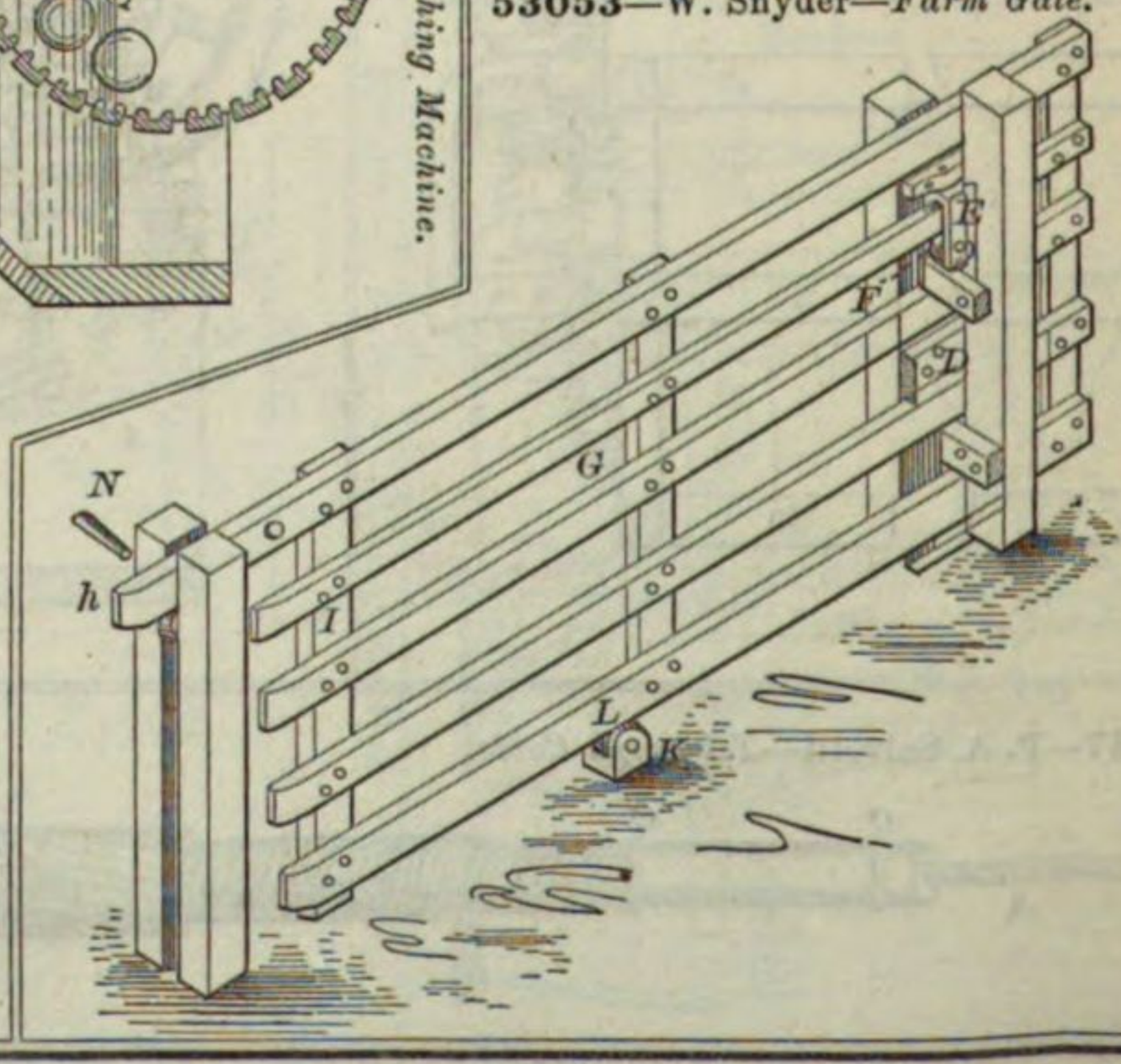
53049—J. S. Seaman—*Rolling Metals.*



53052—I. E. Smith—*Washing Machine.*

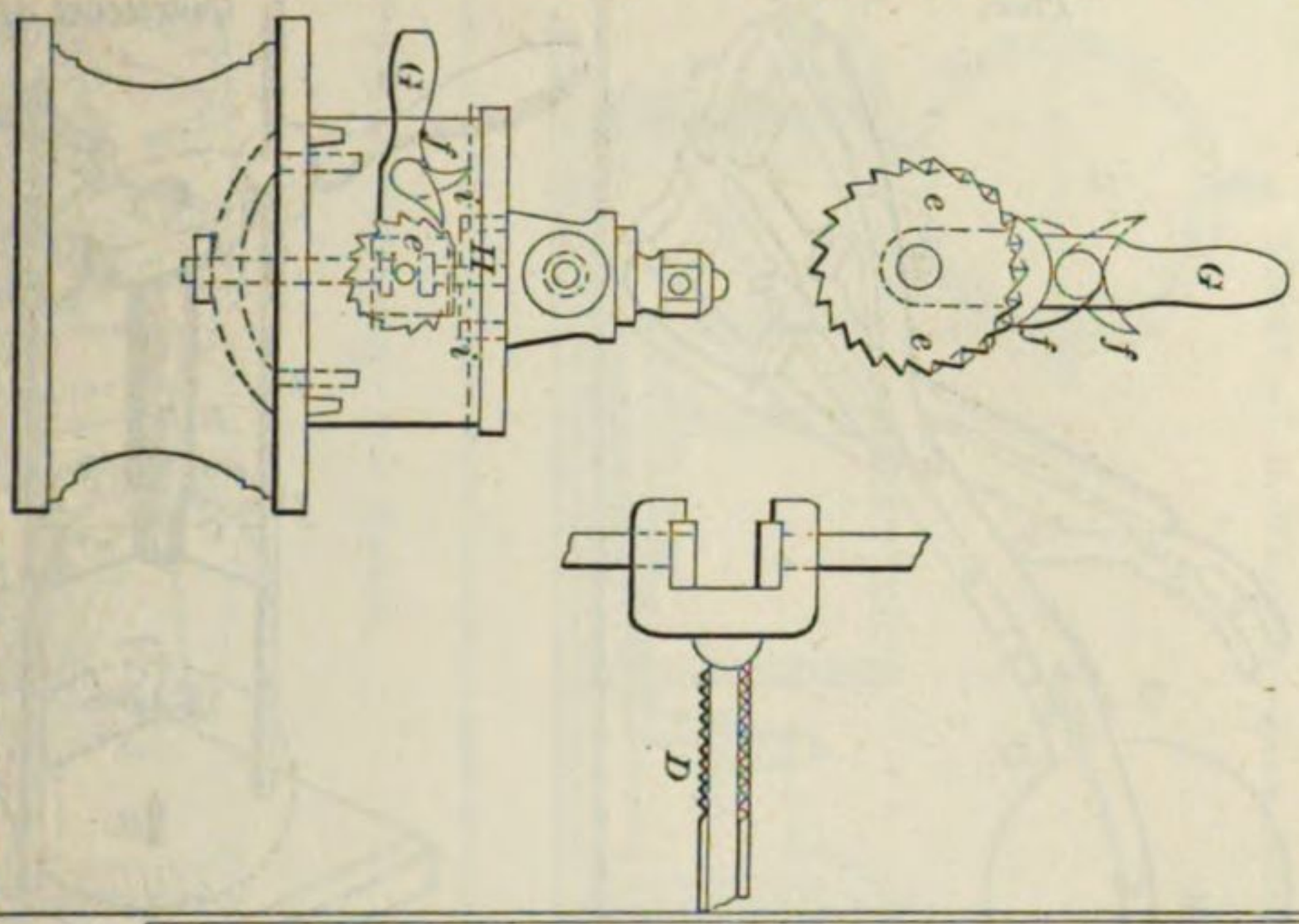


53053—W. Snyder—*Farm Gate.*

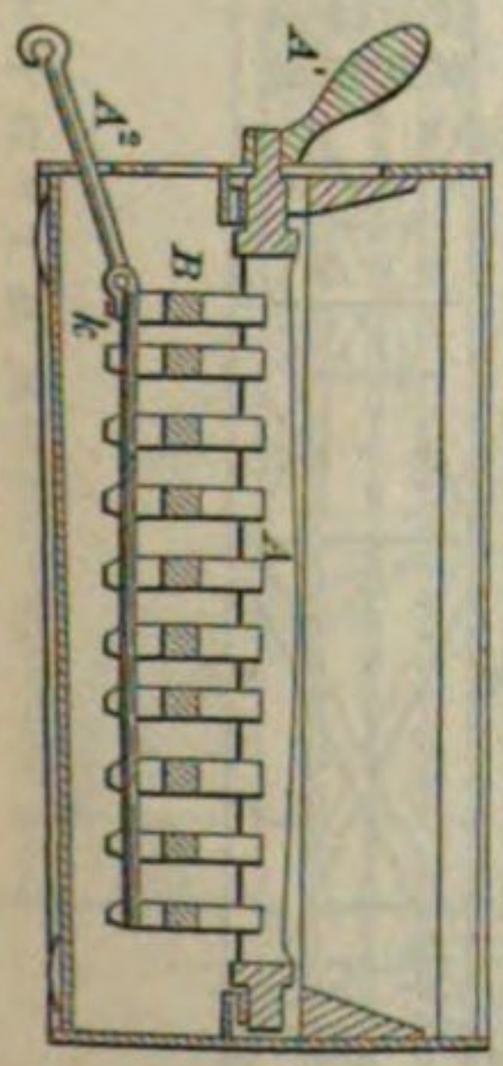


53054—G. W. Spear—*Well Boring.*

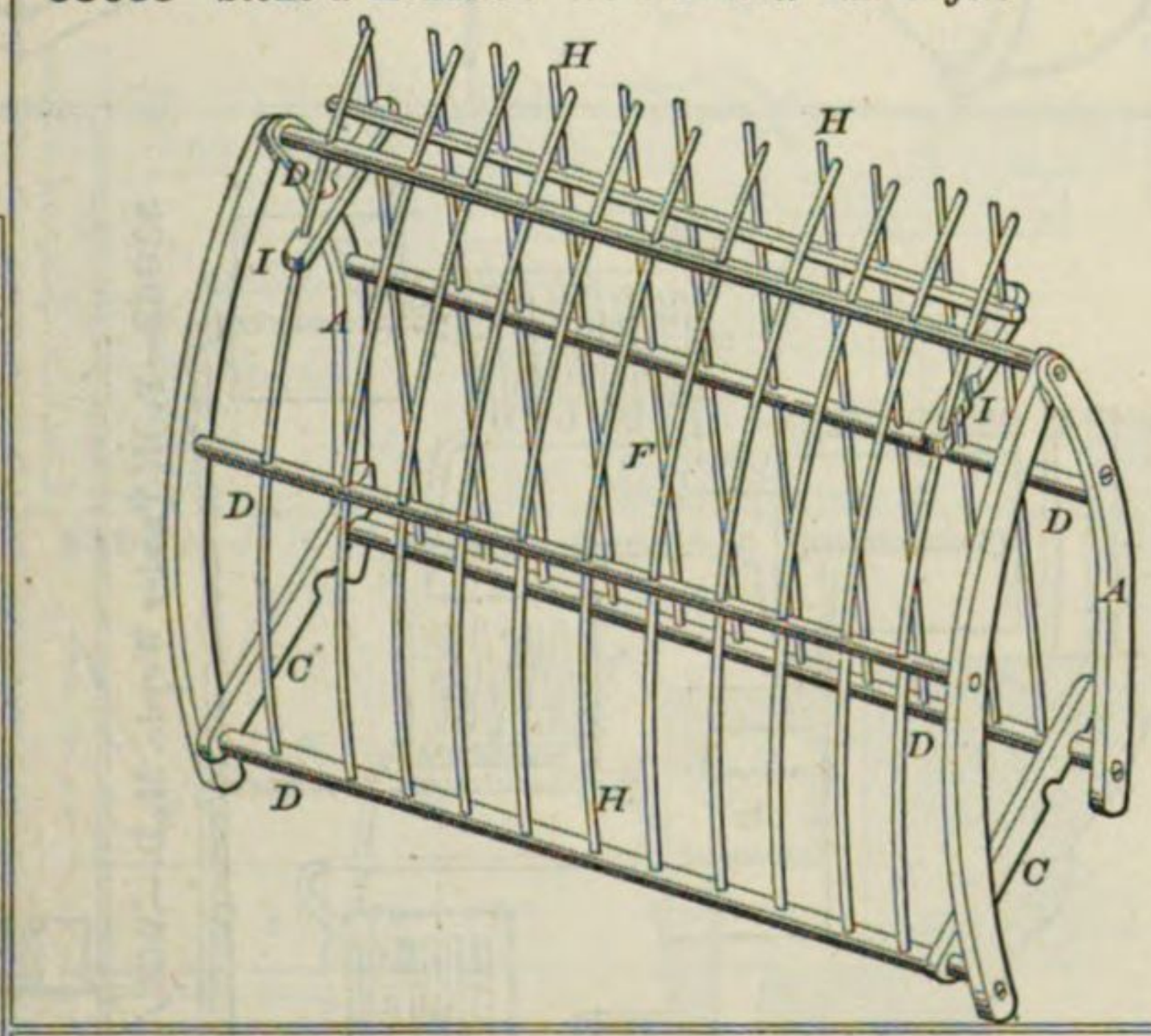
53058—A. Thomas—*For Securing the Tail Stocks of Lathes.*



53059—W. B. Treadwell—*Grate and Grate Bar.*

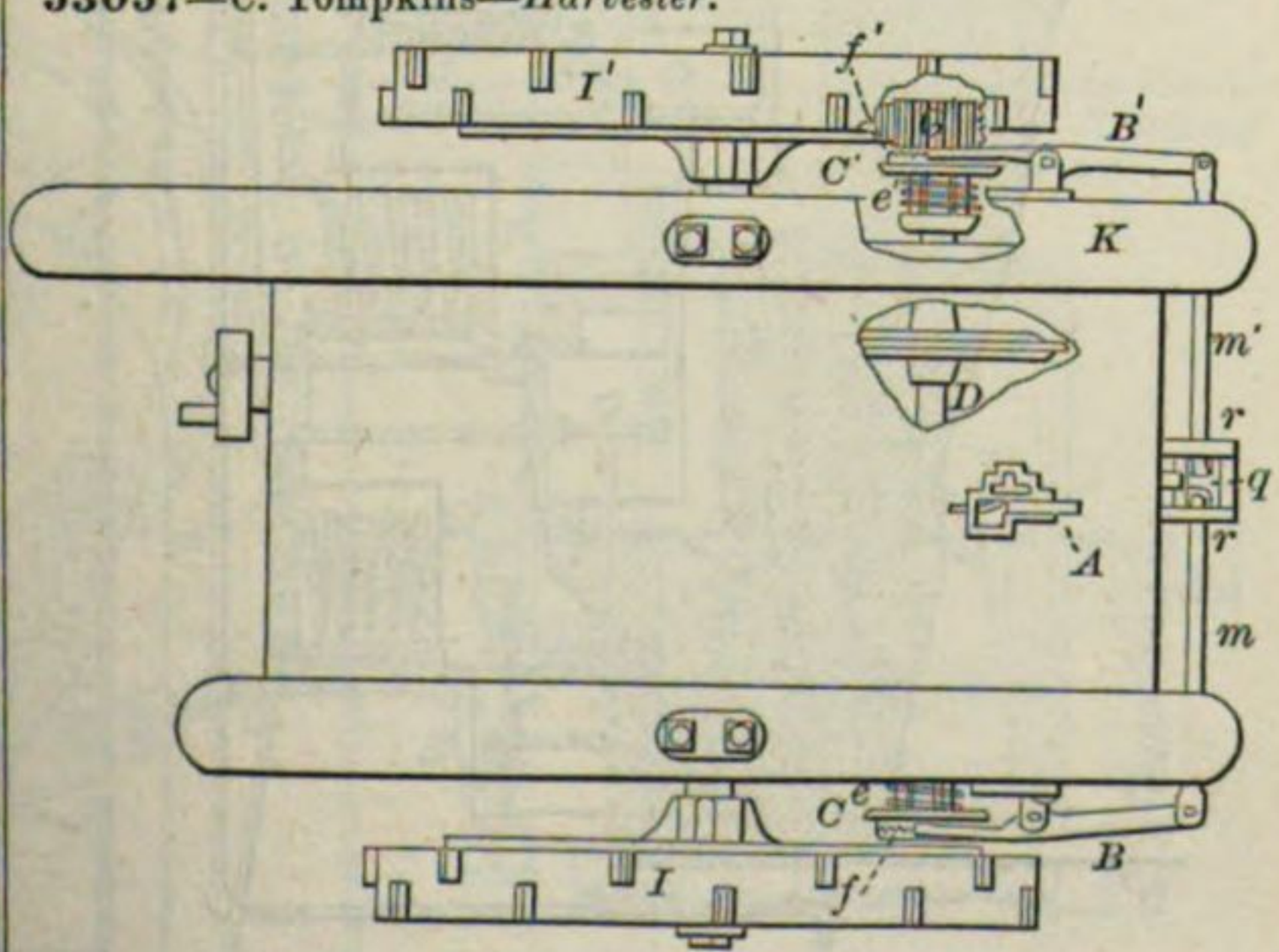


53055—Stone & Kendrick—*Dish Drainer and Dryer.*

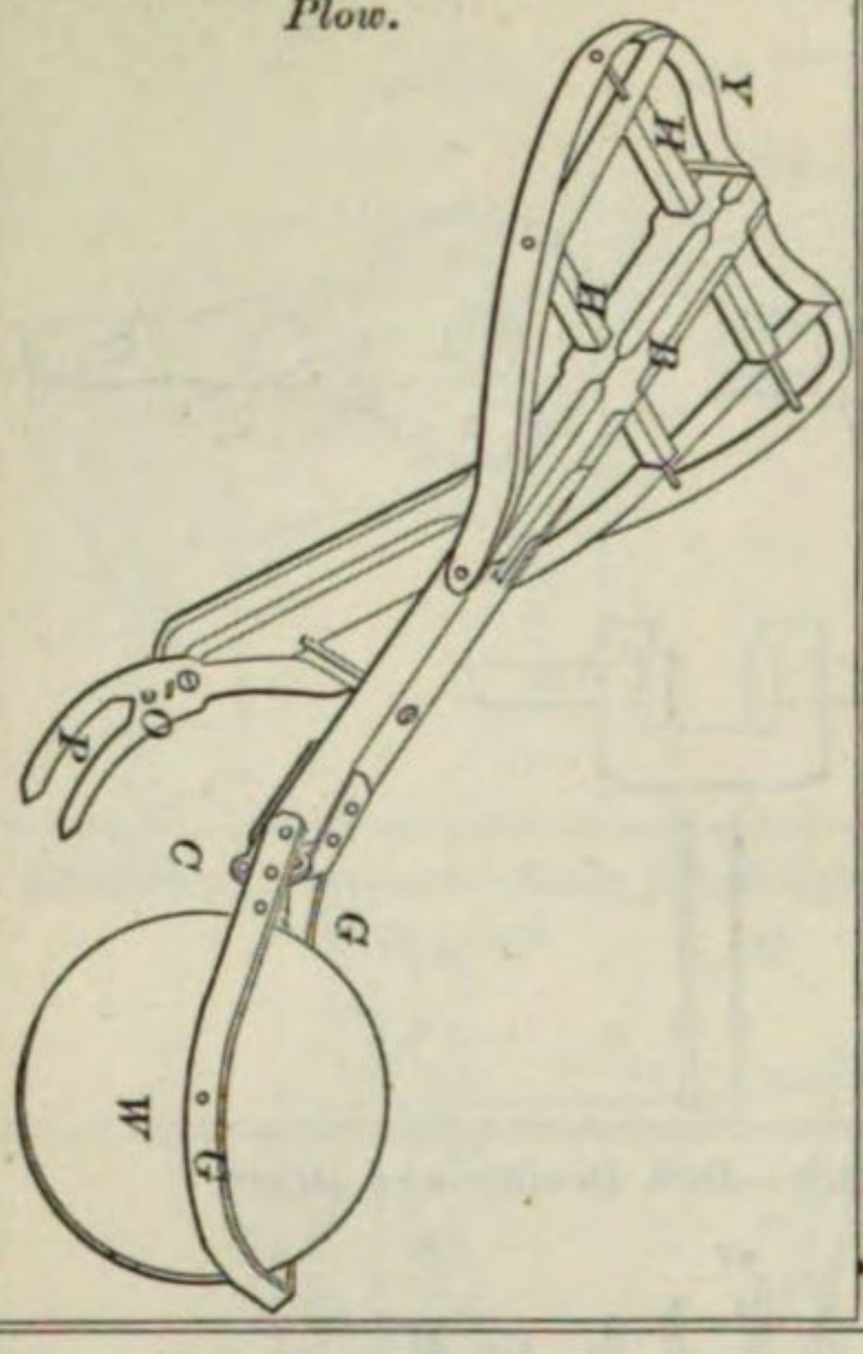


53060—E. A. Tyler—*Hair Crimping Pin.*

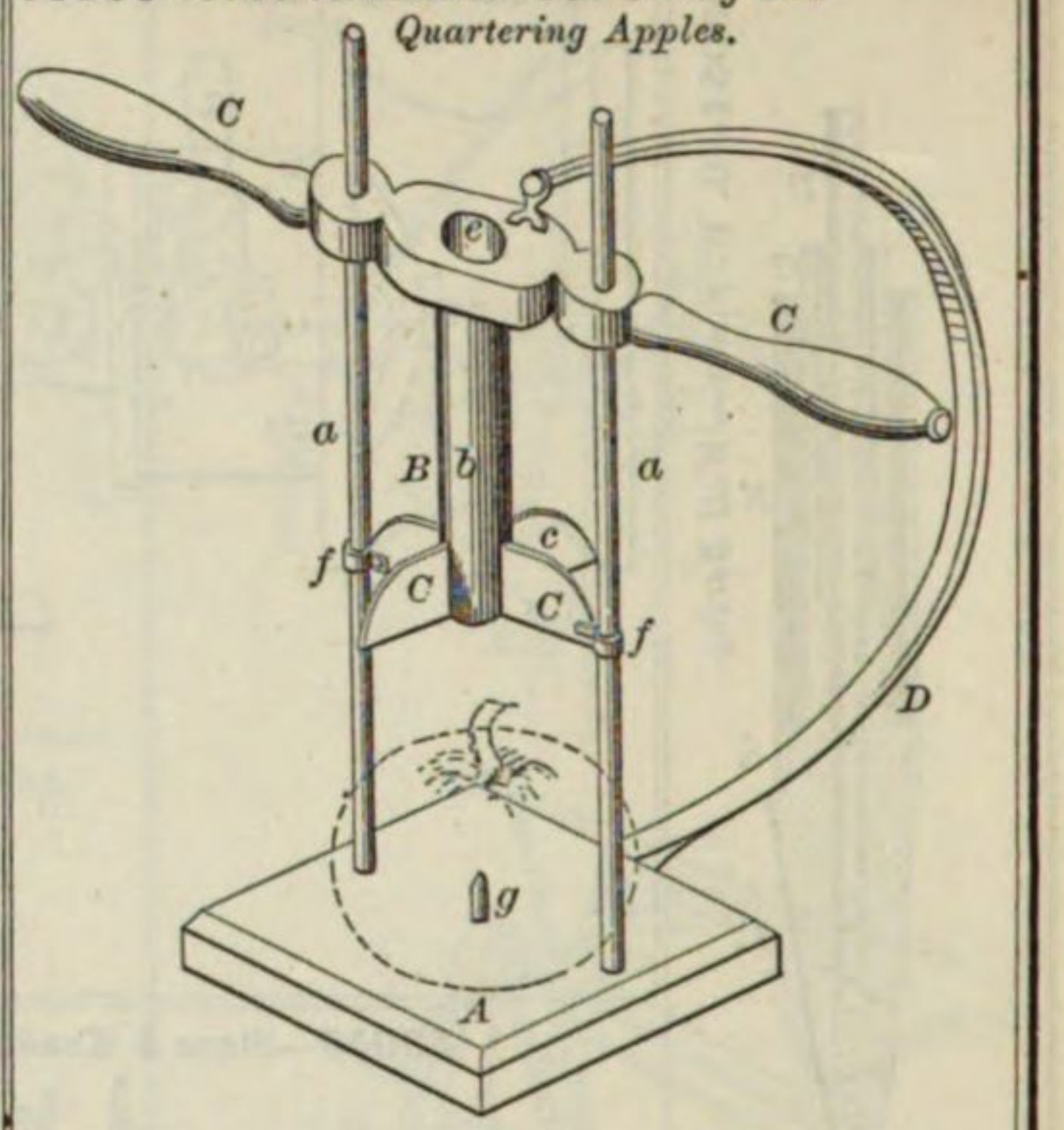
53057—C. Tompkins—*Harvester.*



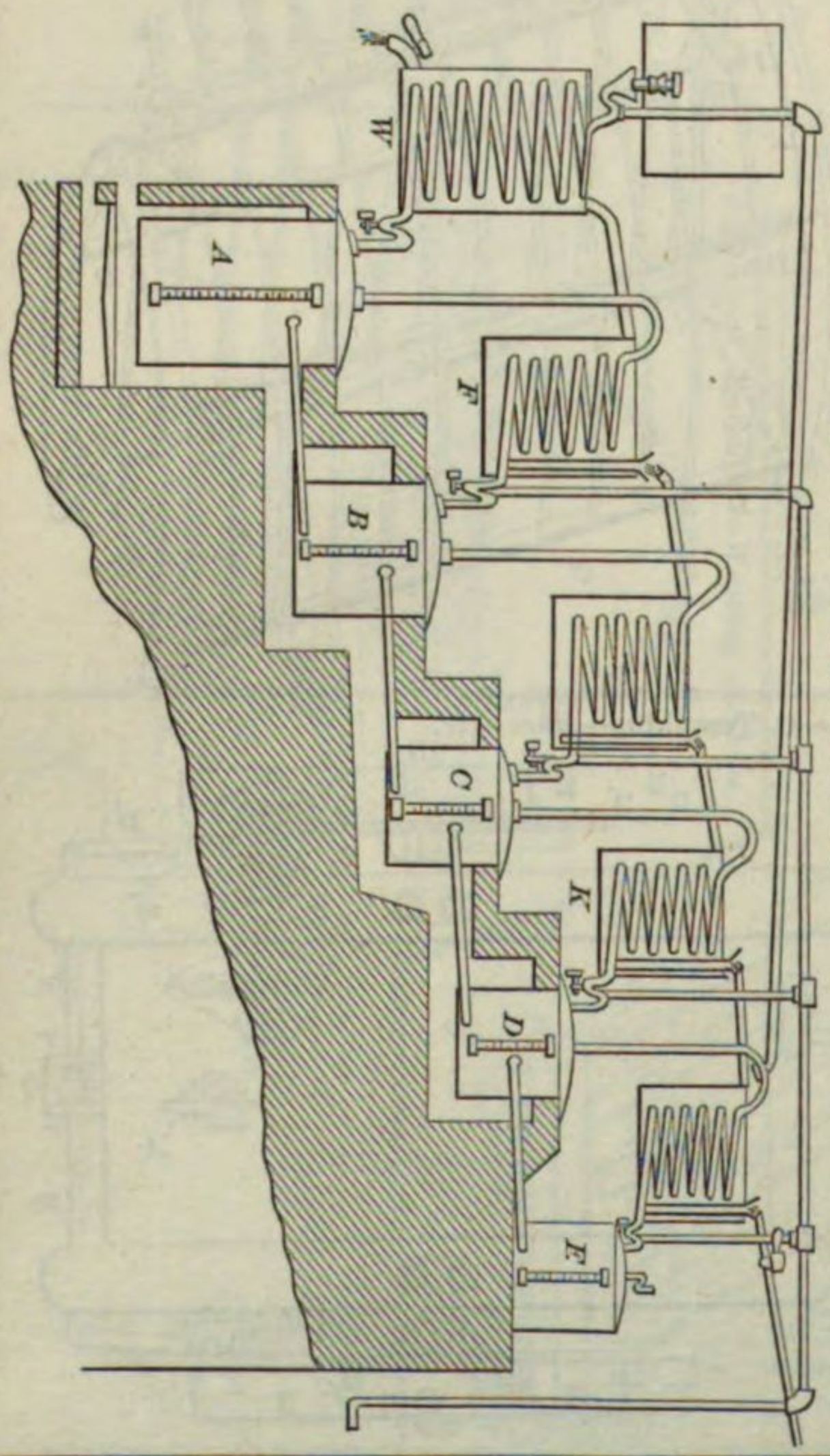
53061—J. Von Achen—*Hand Garden Plow.*



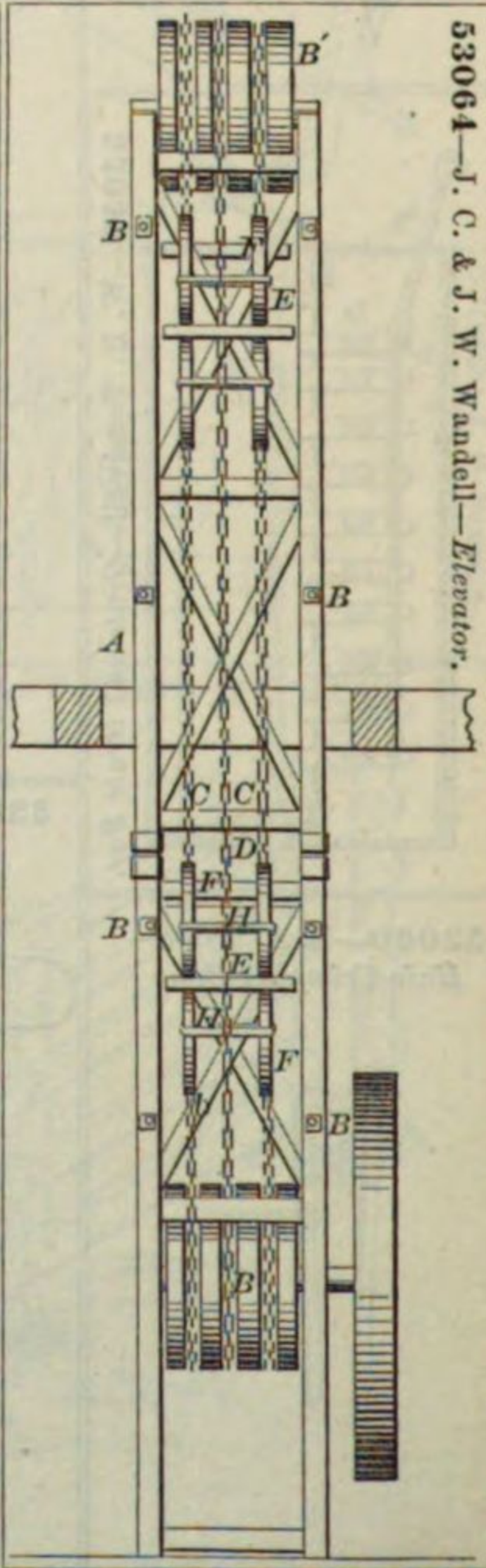
53063—J. J. Vankersen—*For Coring and Quartering Apples.*



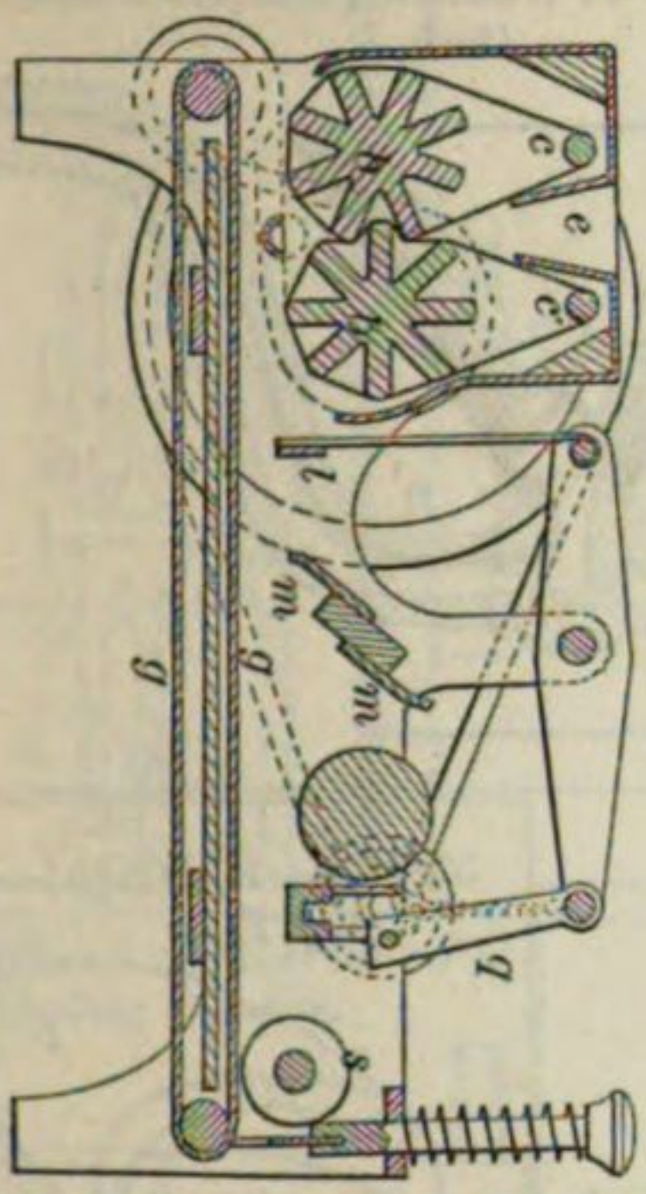
53062—P. H. Vander Weyde. M. D.—*Still for Petroleum.*



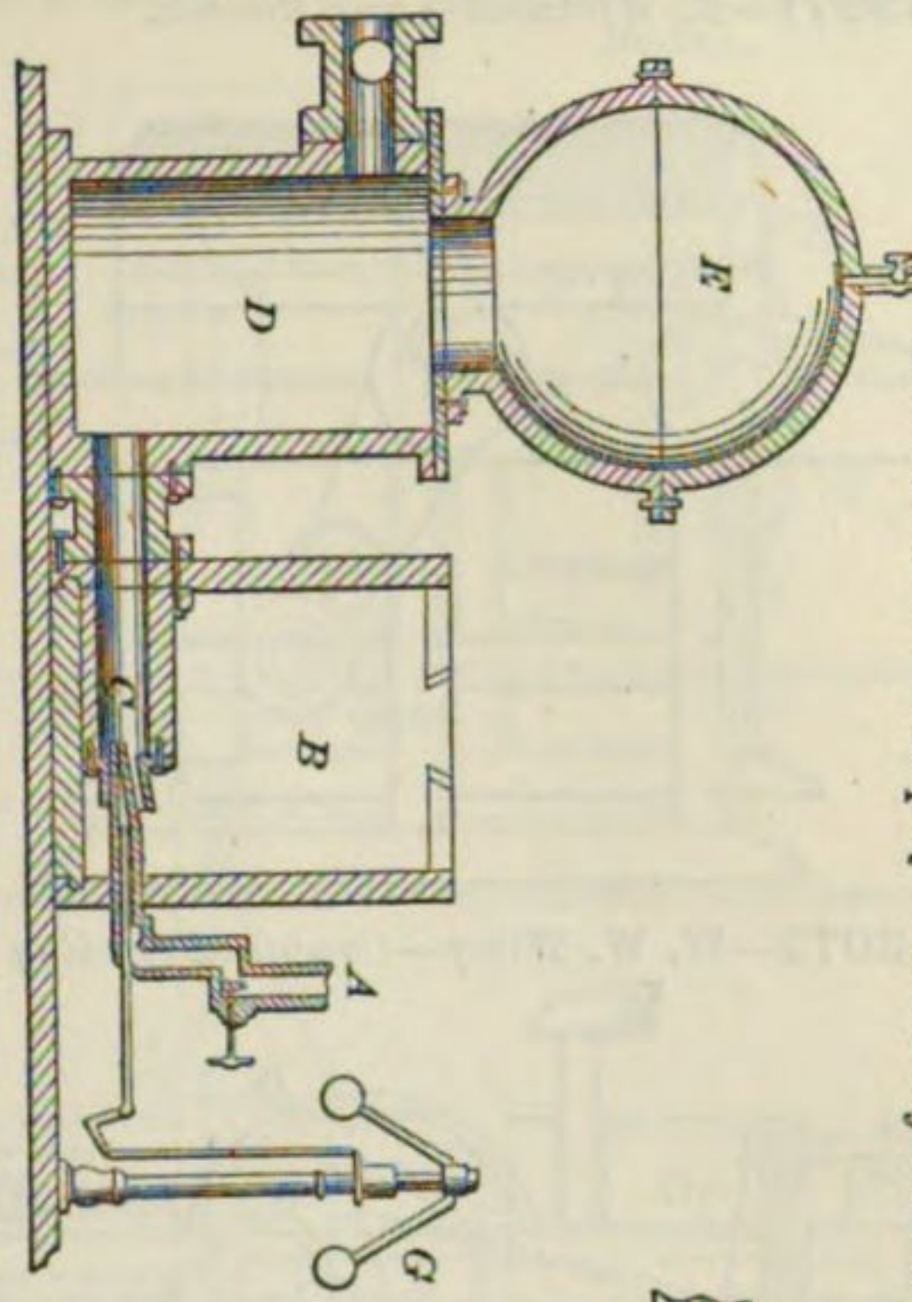
53064—J. C. & J. W. Wandell—*Elevator.*



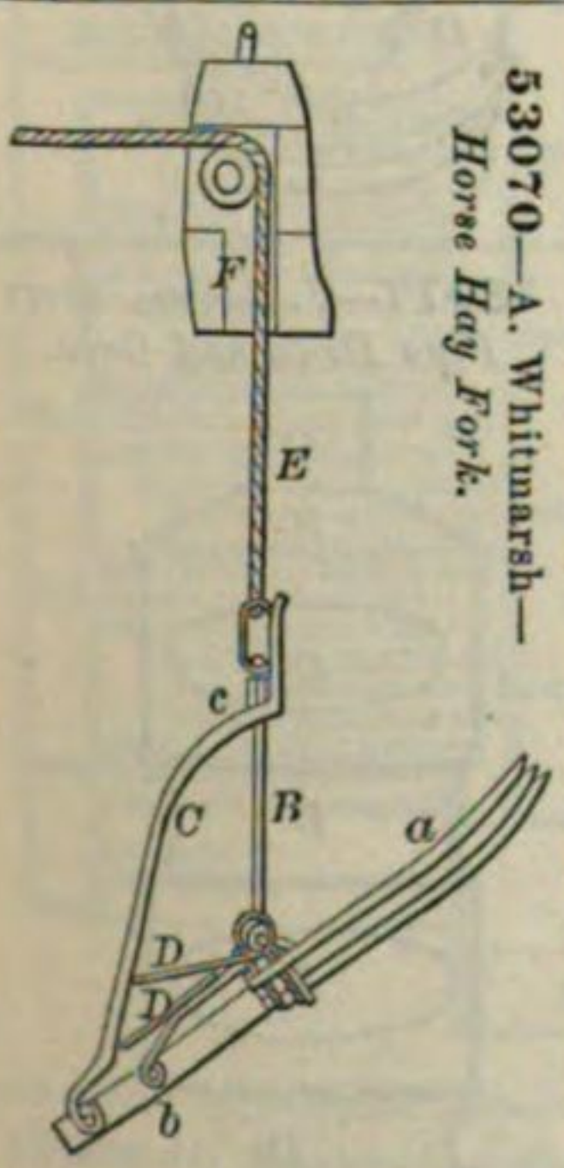
53065—D. Wellington—*Peat Machine.*



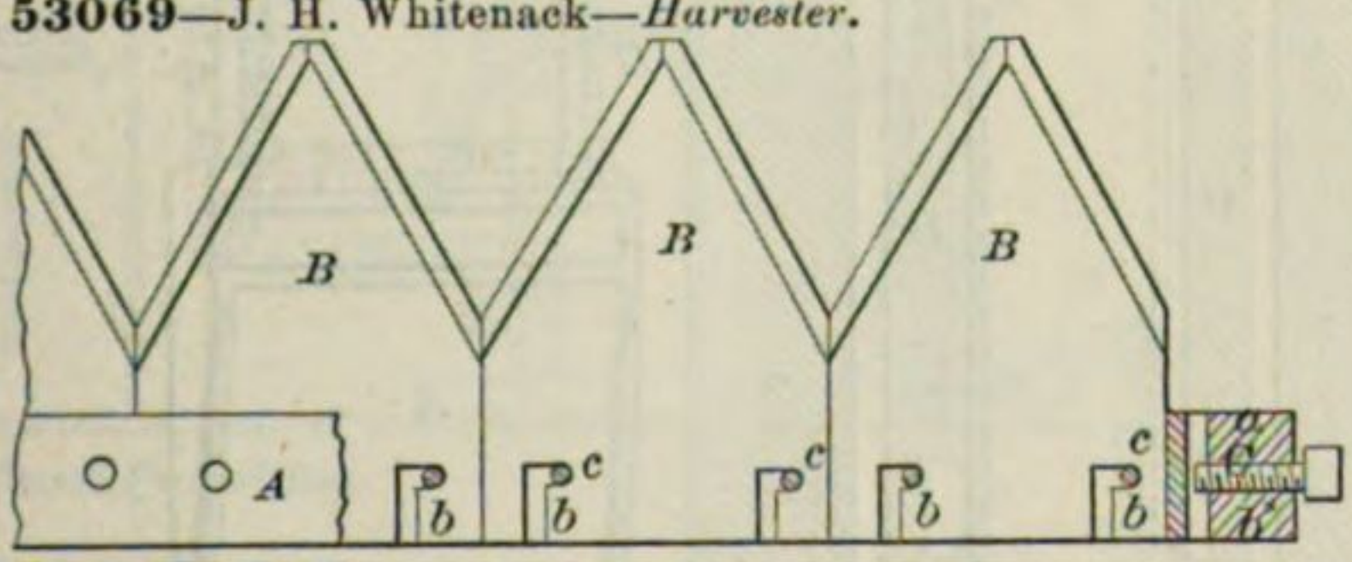
53067—J. D. Whelpley—*Steam Injected Water Motor.*



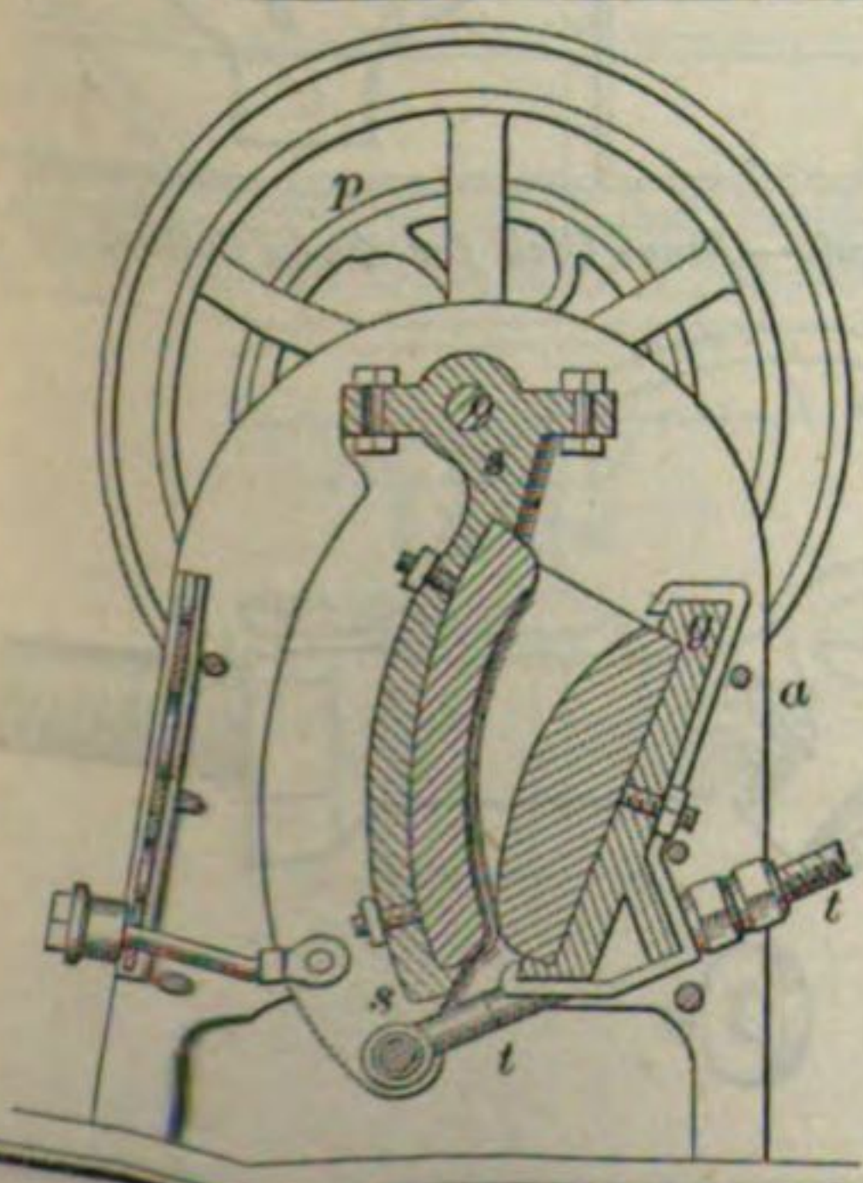
53070—A. Whitmarsh—*Horse Hay Fork.*

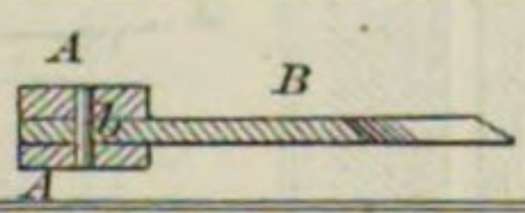


53069—J. H. Whitenack—*Harvester.*

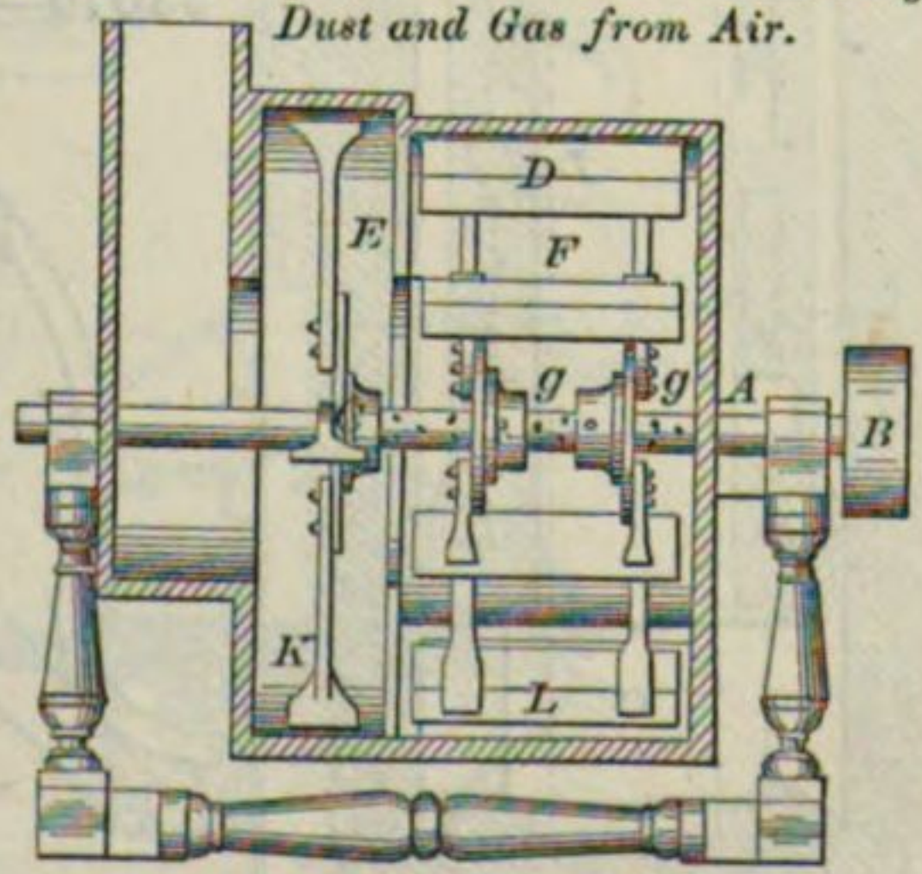


53066—Z. Wheeler—*Ore Crusher.*

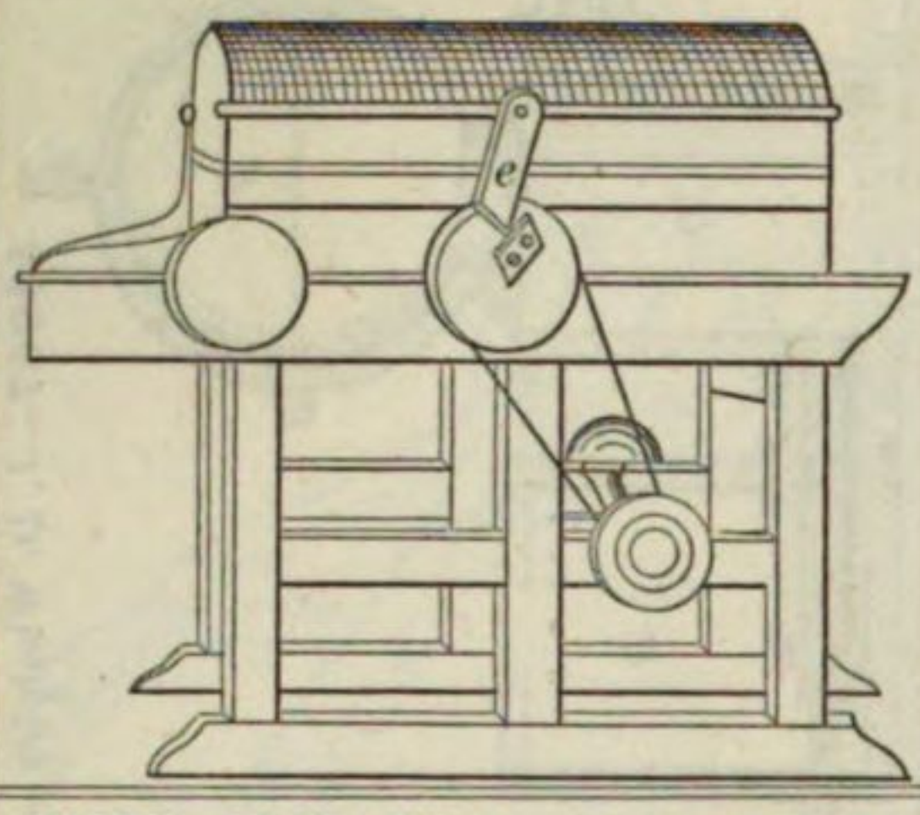




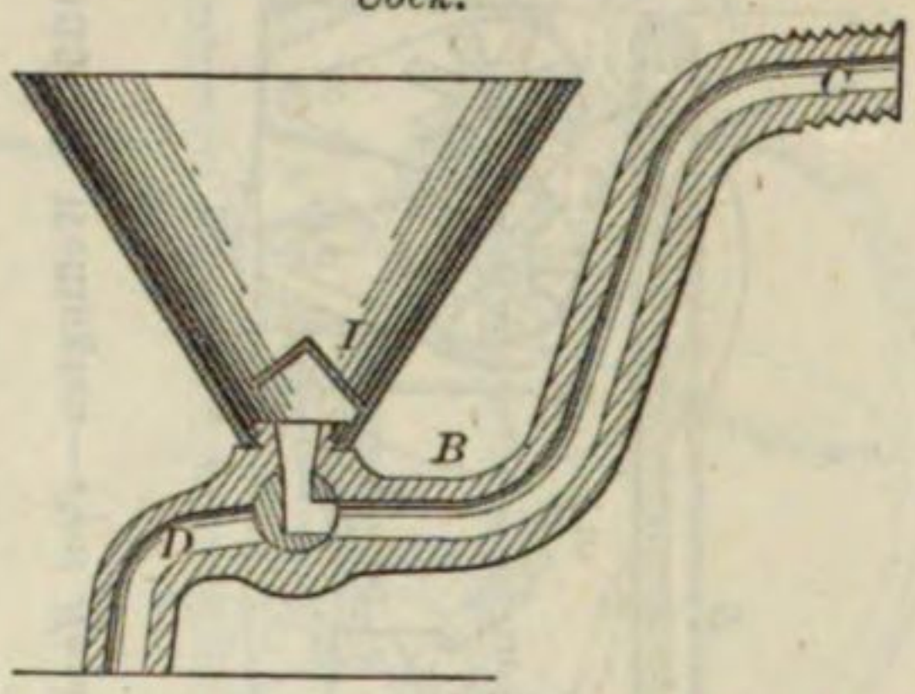
53068—Whelpley & Storer—*For Removing Dust and Gas from Air.*



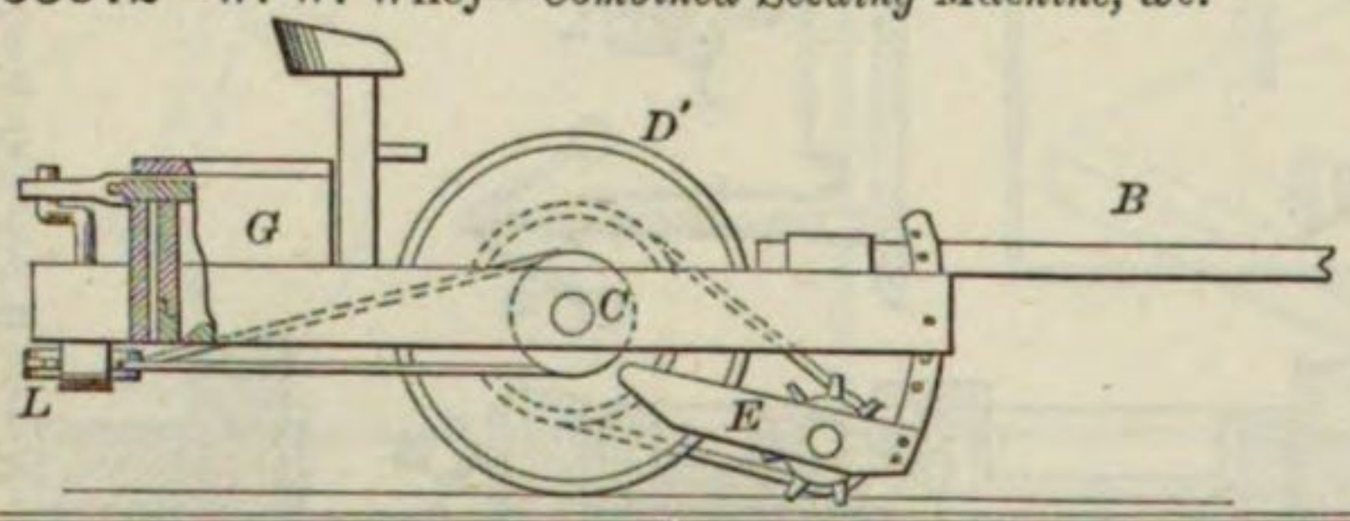
53071—R. Wildman—*Fur Blower.*



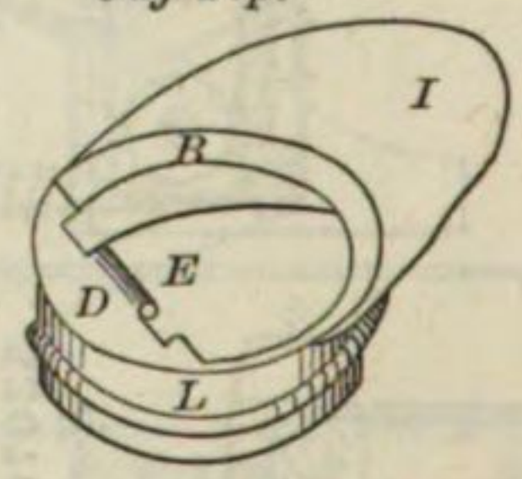
53074—A. G. Wilson—*Combined Funnel and Cock.*



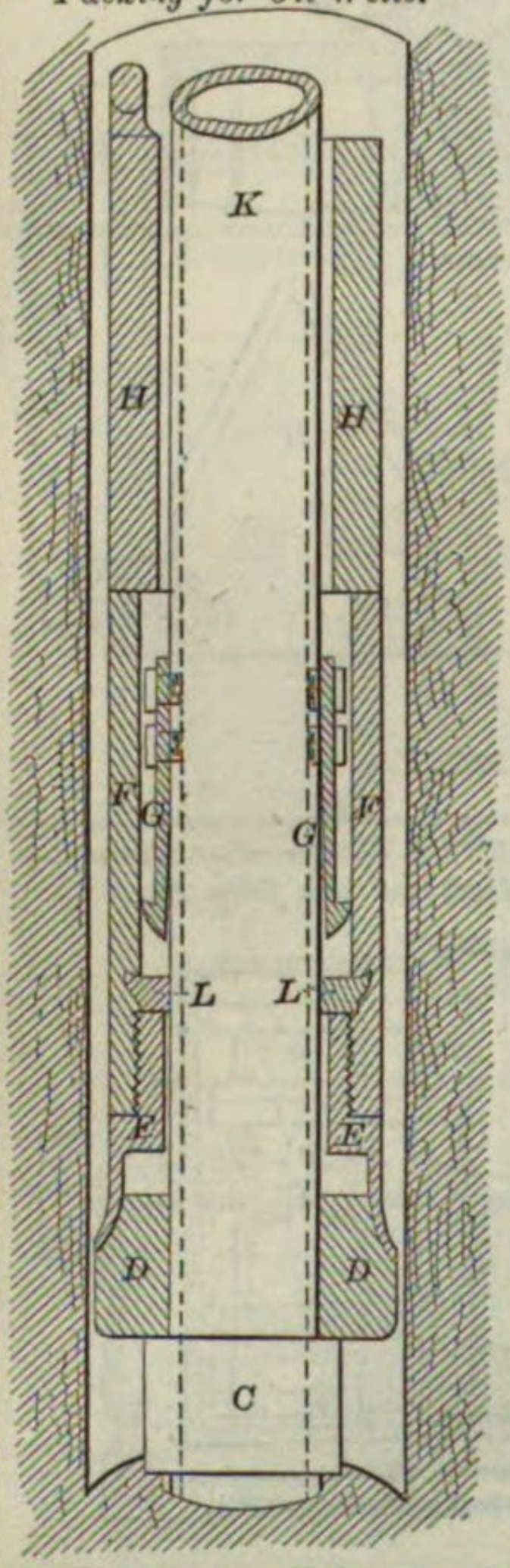
53072—W. W. Wiley—*Combined Seeding Machine, &c.*



53076—H. Wright—*Jug Top.*

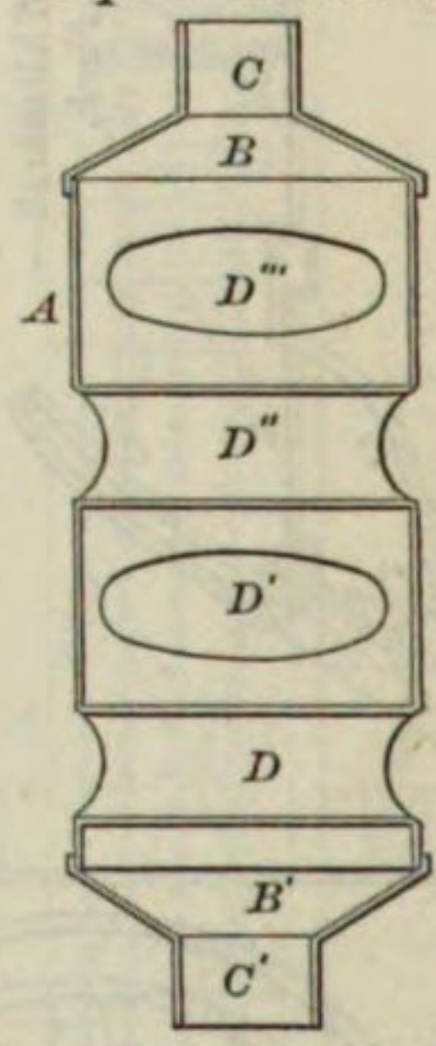


53073—W. S. Wilkinson—*Packing for Oil Wells.*

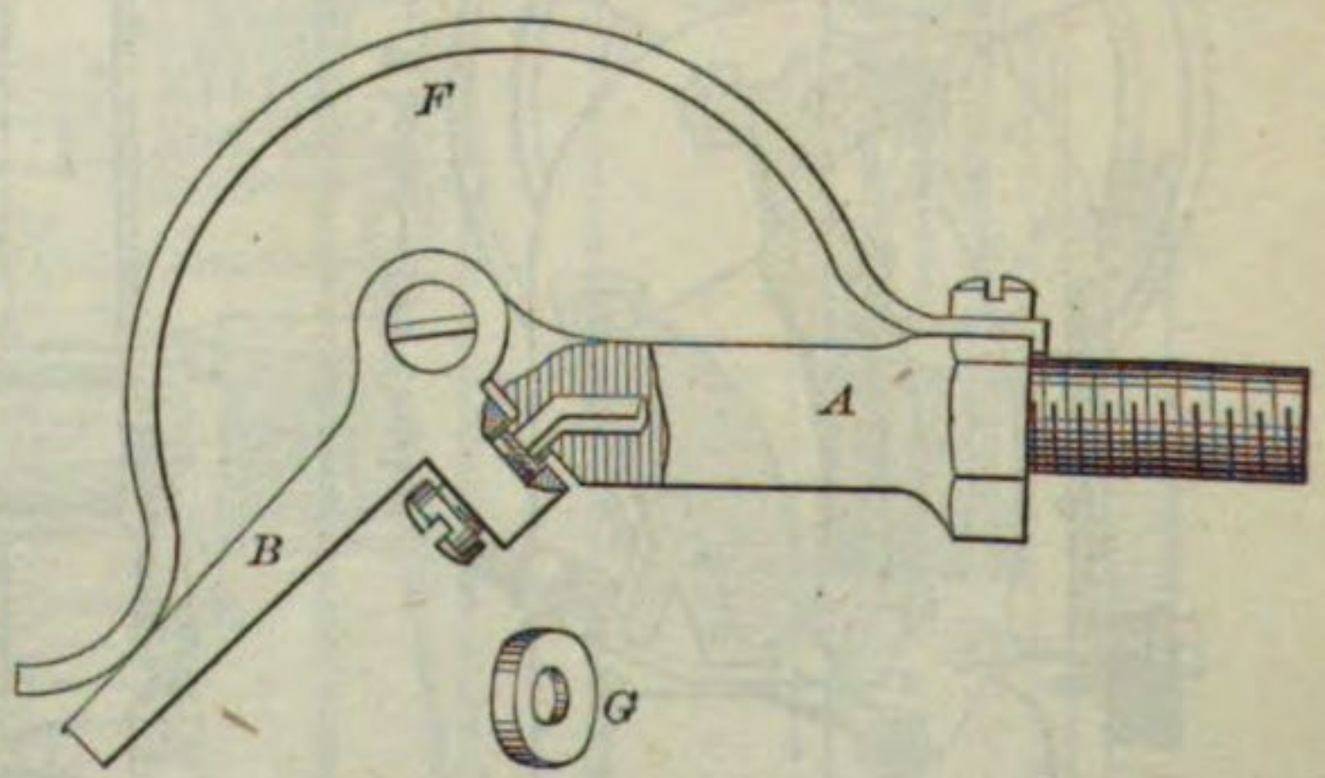


53075—F. Wood—*Landan Carriage Door.*

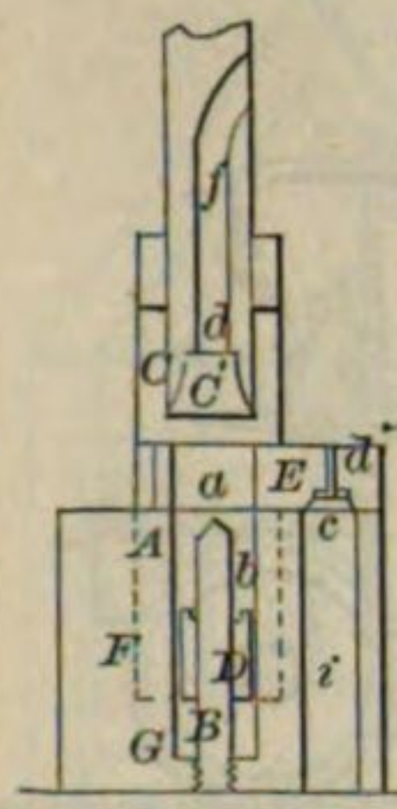
53077—J. Beebe—*Stove Pipe Drum and Oven.*



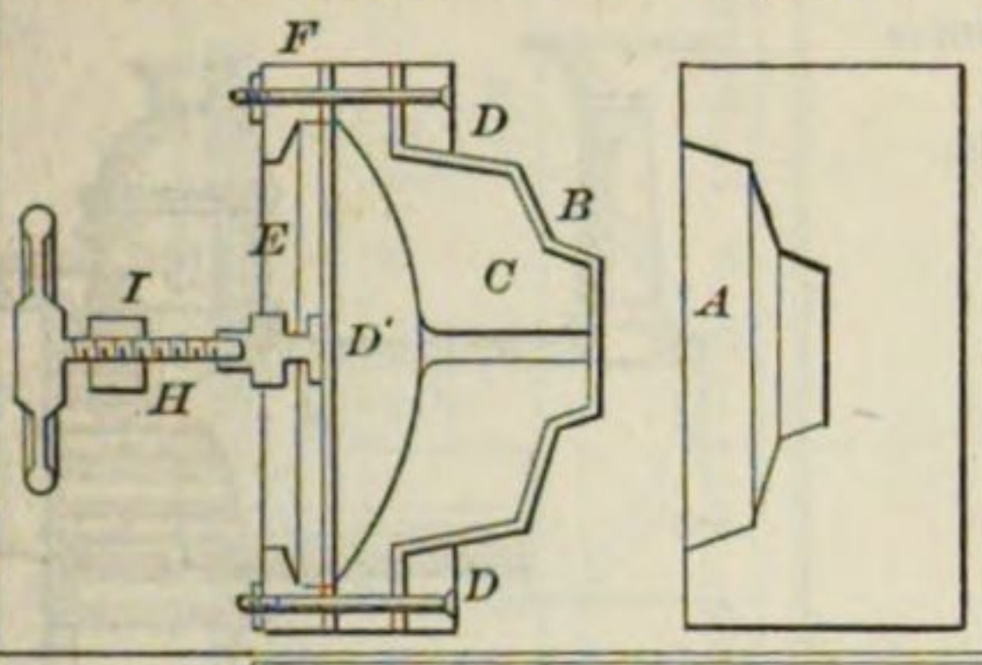
53079—J. Holdcraft—*Gauge Cock for Steam Boilers.*



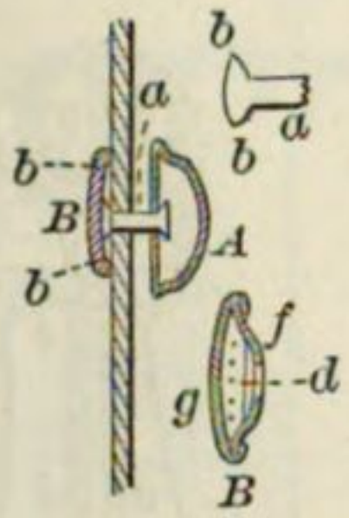
53080—W. R. Landfear—*Eyelet Machine.*



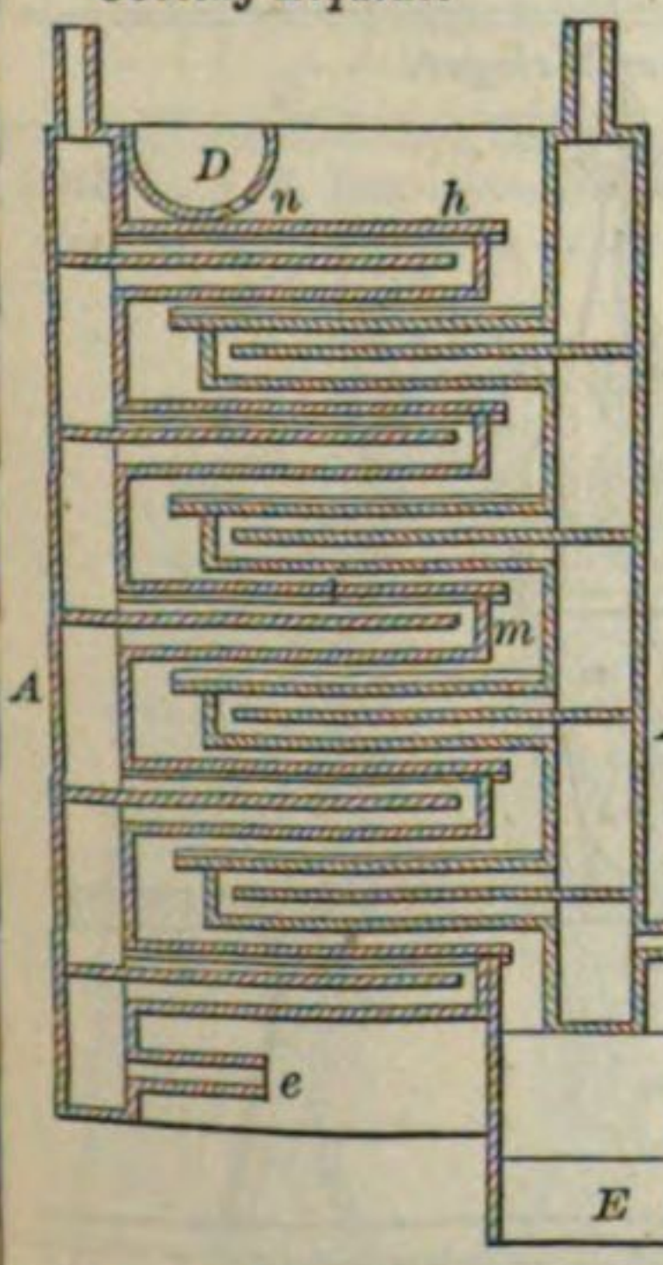
53083—M. Morse—*For Pressing Hats.*



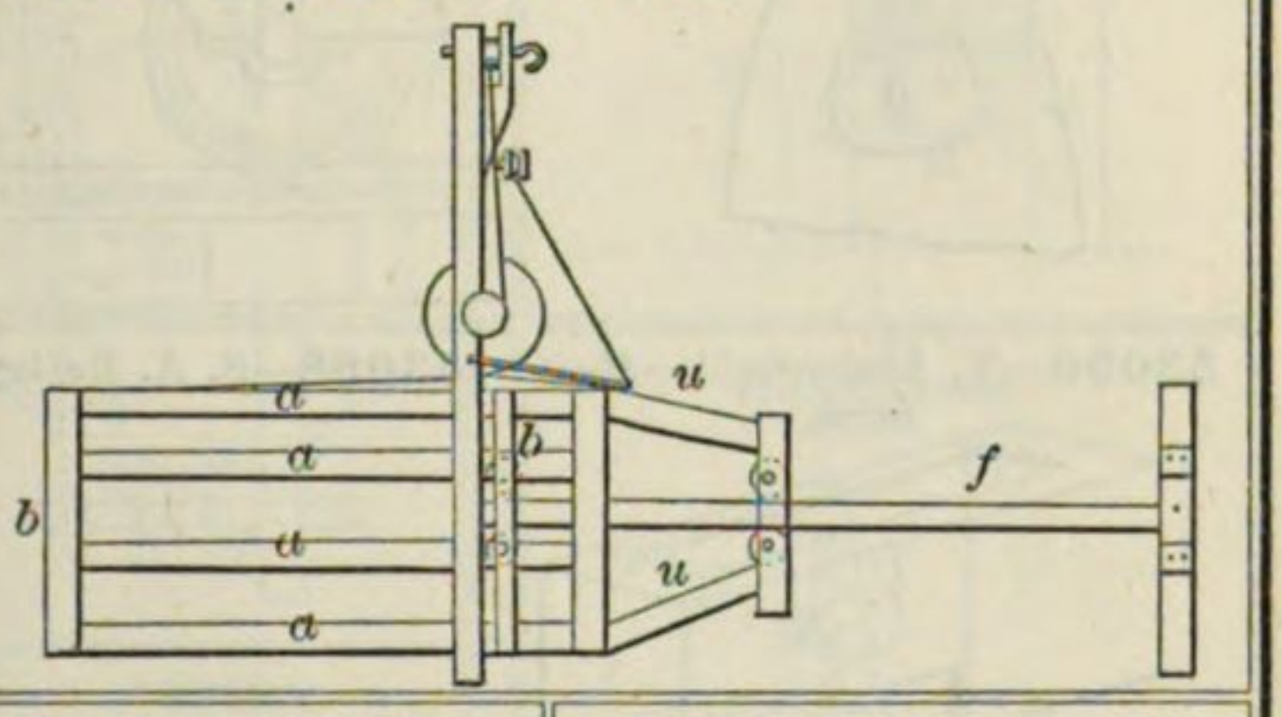
53086—A. Selkirk—*Button.*



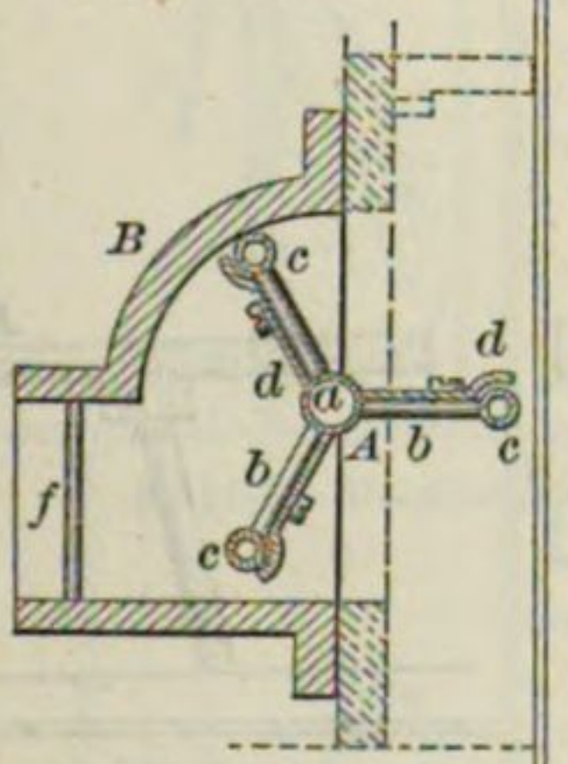
53082—B. G. Martin—*For Cooling Liquids.*



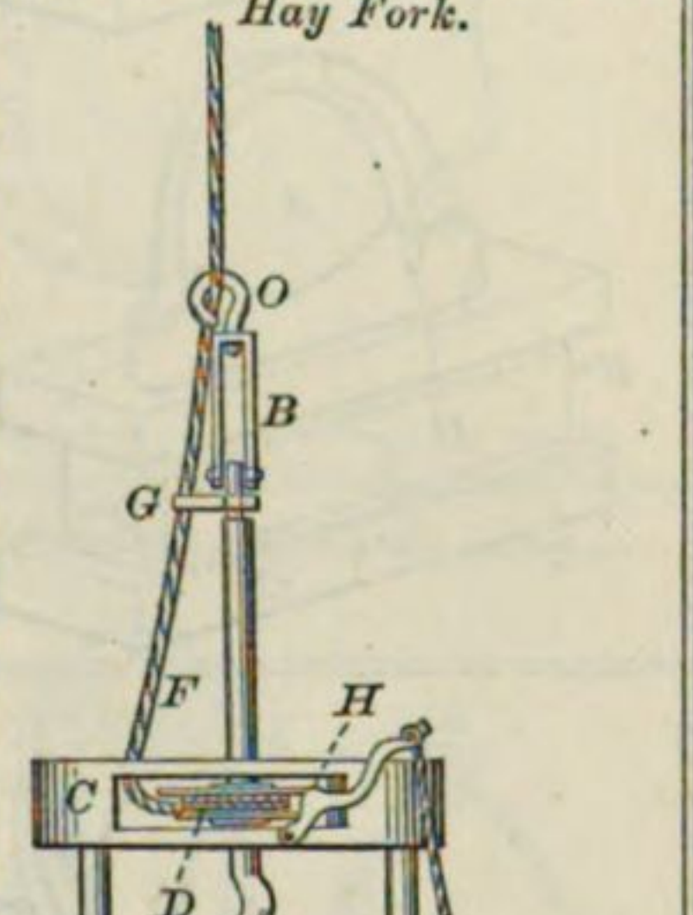
53084—F. Müller—*Farm Gate.*



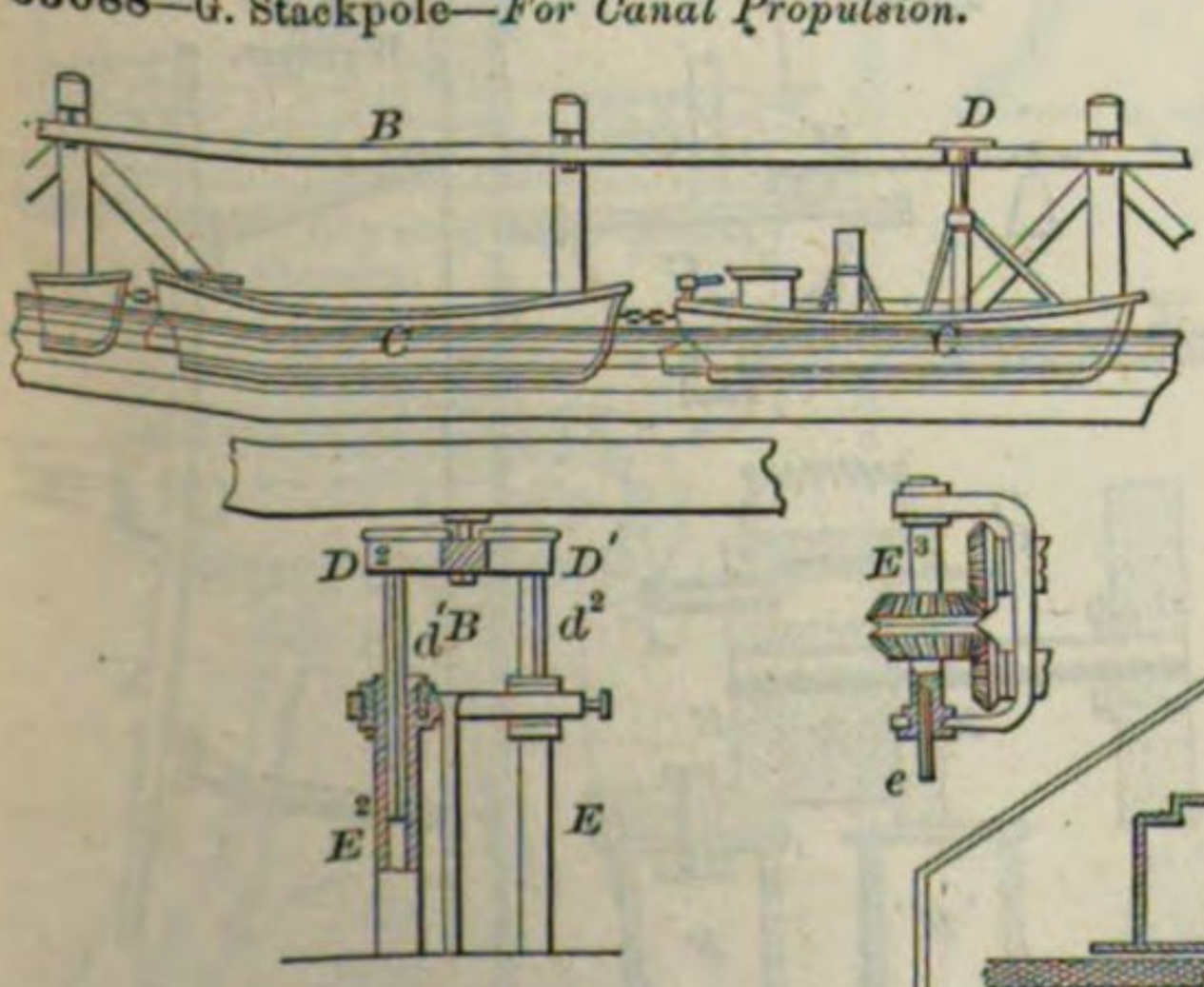
53087—J. Simmonds—*Steam Blower.*



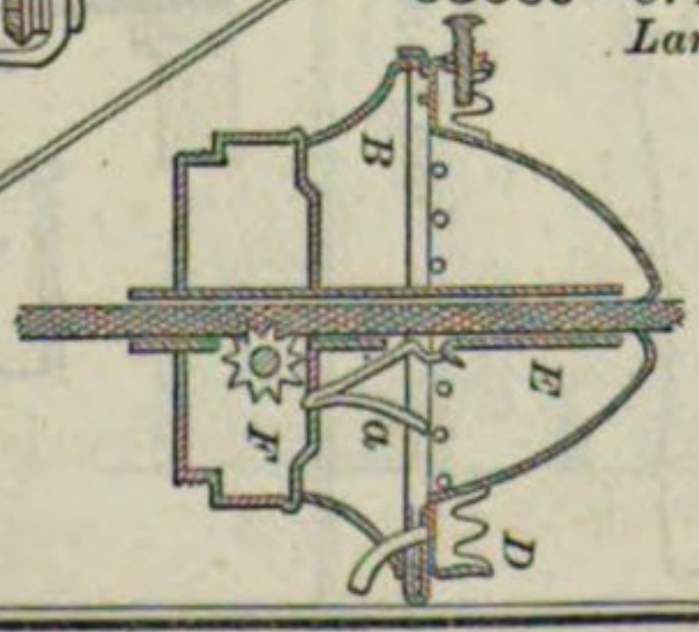
53085—J. F. Pierce—*Horse Hay Fork.*



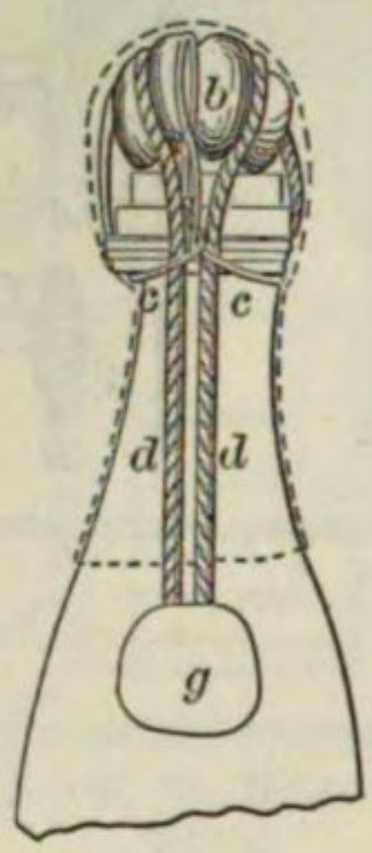
53088—G. Stackpole—*For Canal Propulsion.*



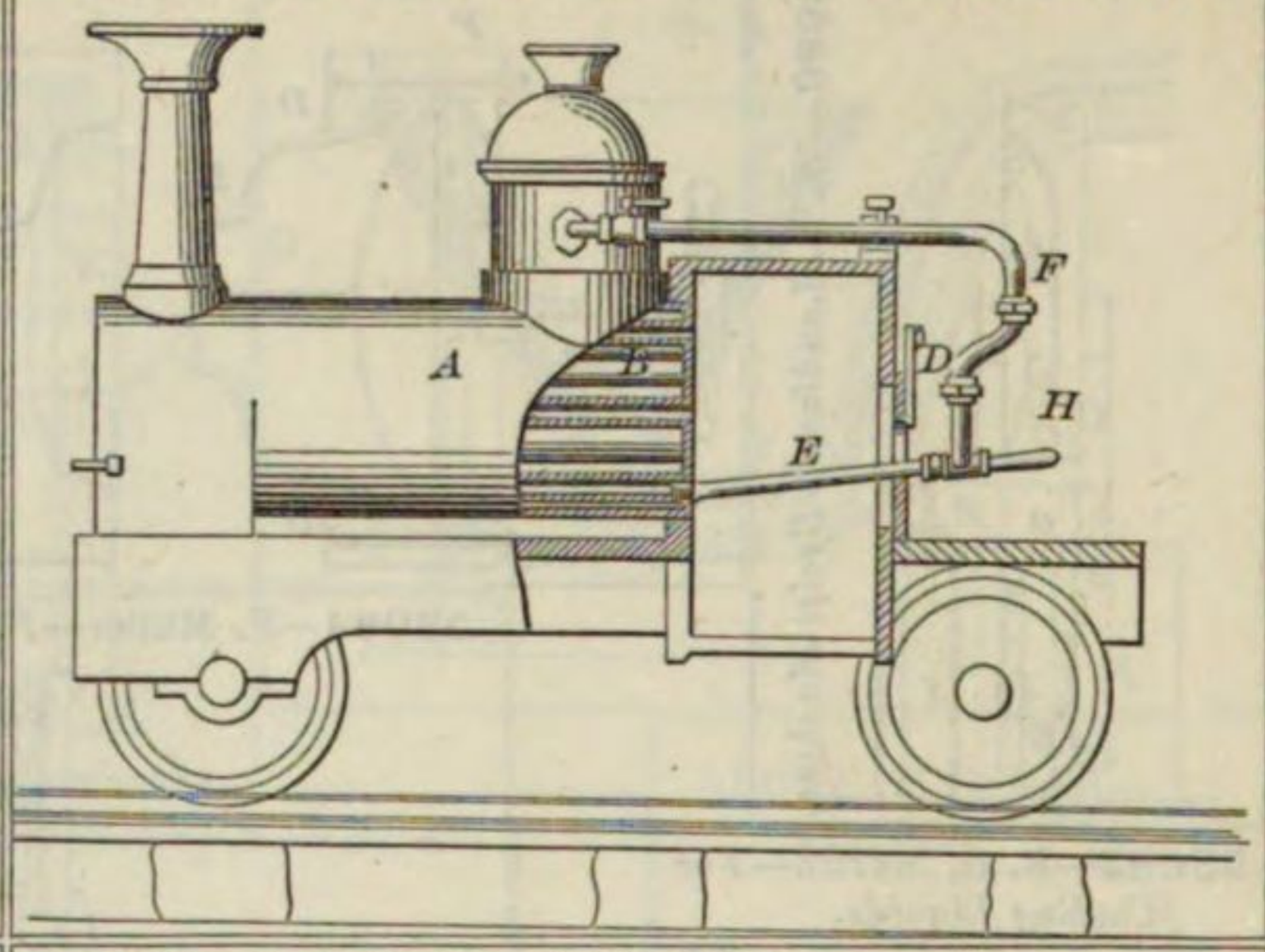
53089—O. D. Woodbury—*Lamp.*



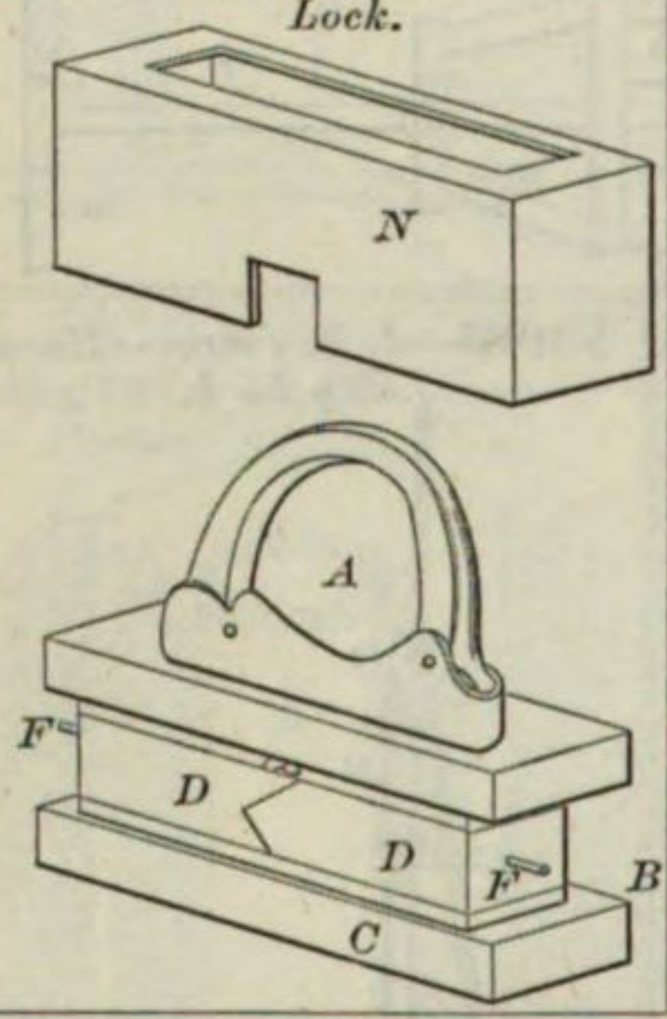
53090—G. Bousigues—*Fastening Corks in Bottles*



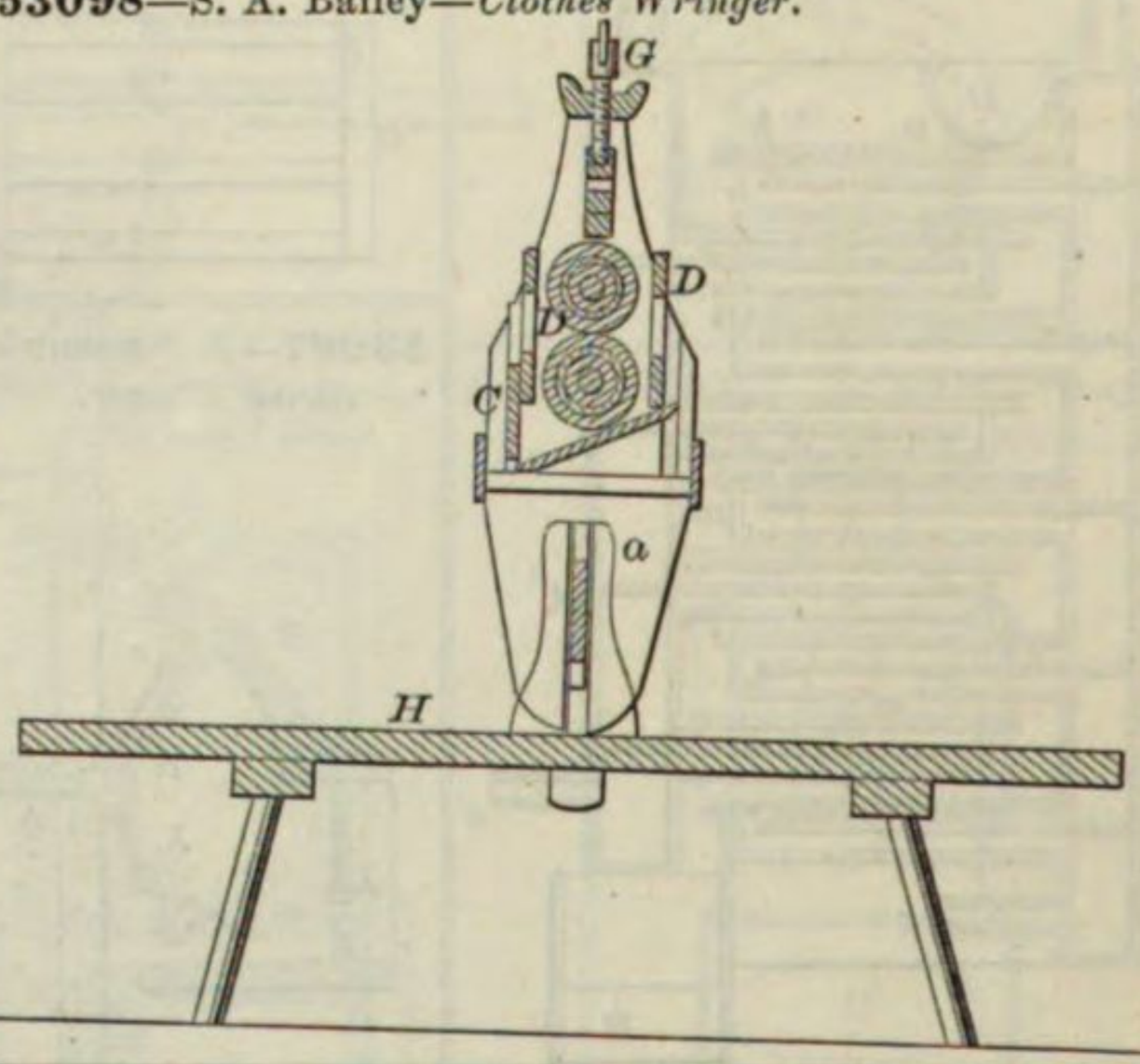
53091—D. Mc Dowell—*For Cleaning Tubes of Boilers.*



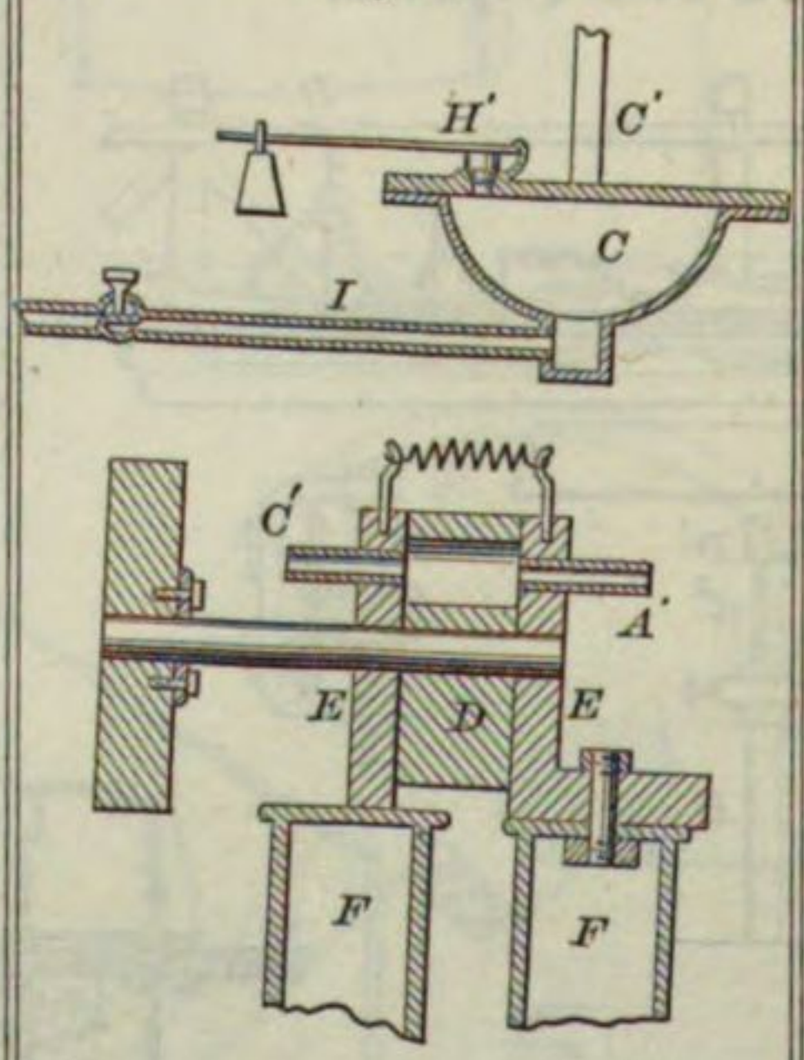
53096—T. Ascherfield—*Mail Lock.*



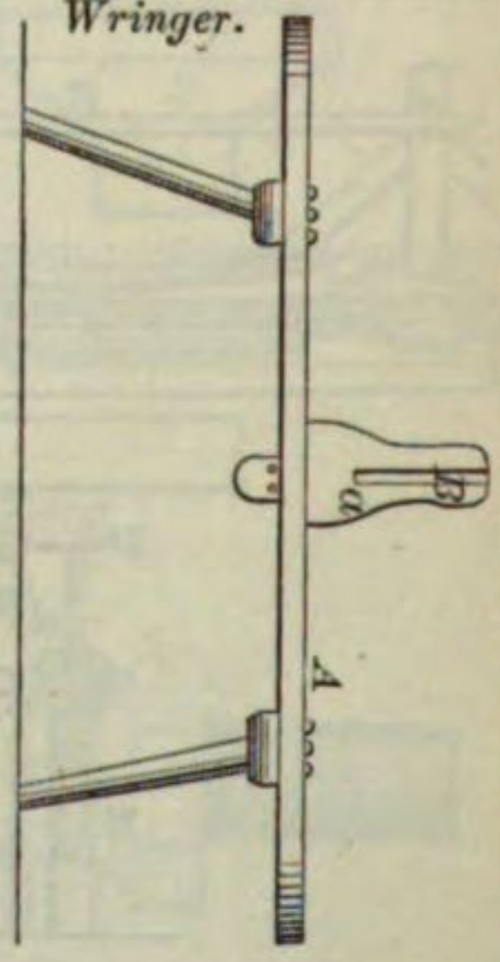
53098—S. A. Bailey—*Clothes Wringer.*



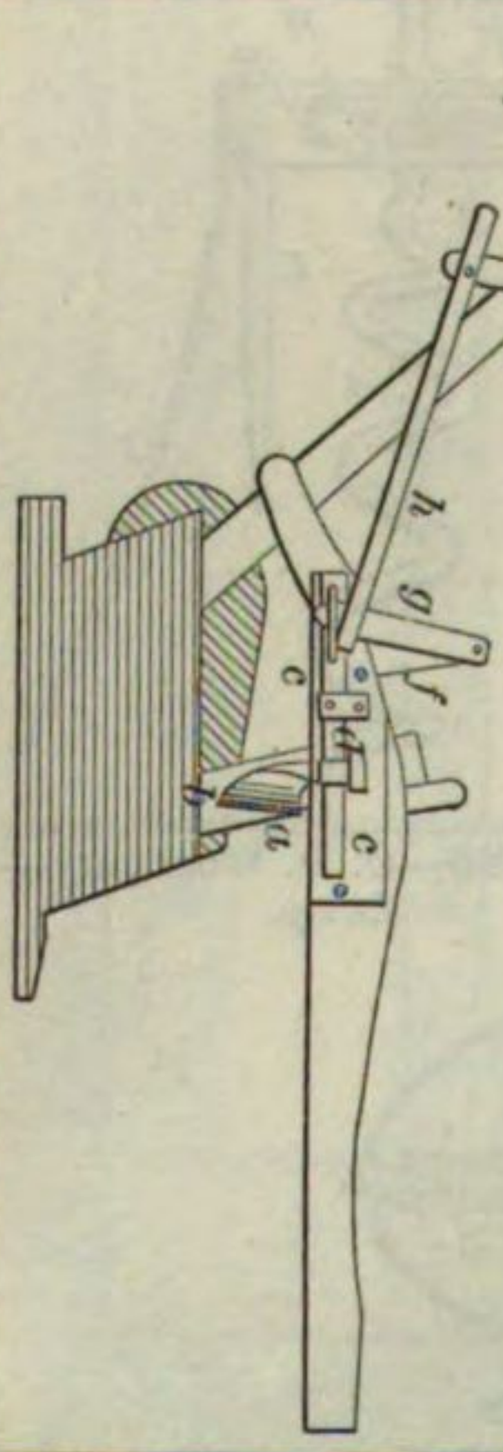
53097—J. B. Atwater—*Air Engine.*



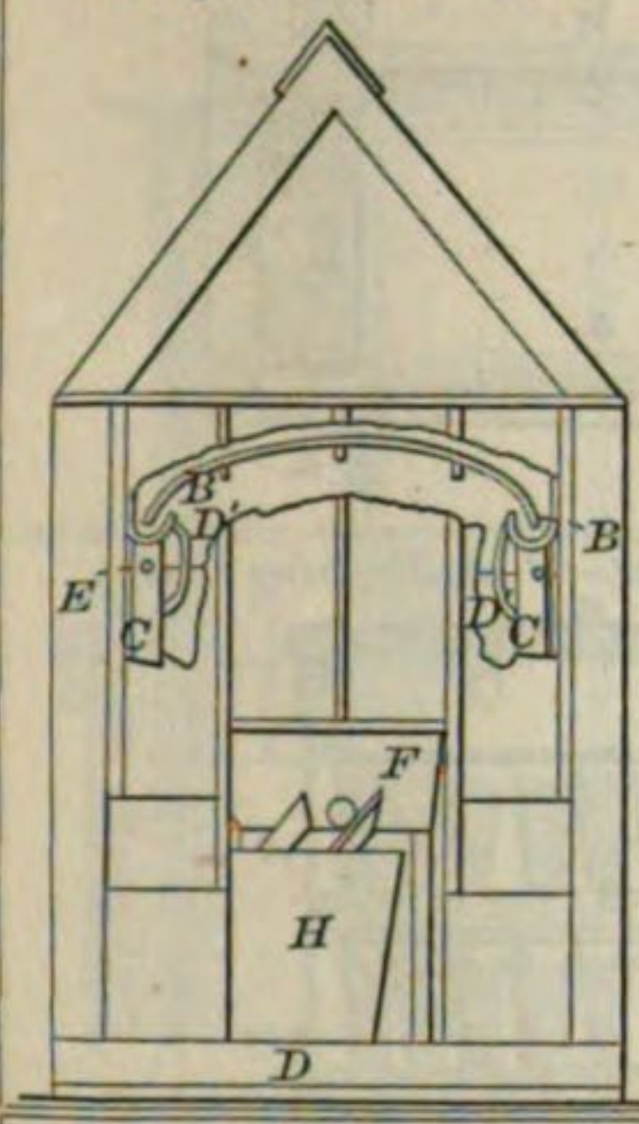
53099—S. A. Bailey—*Bench for Clothes Wringer.*



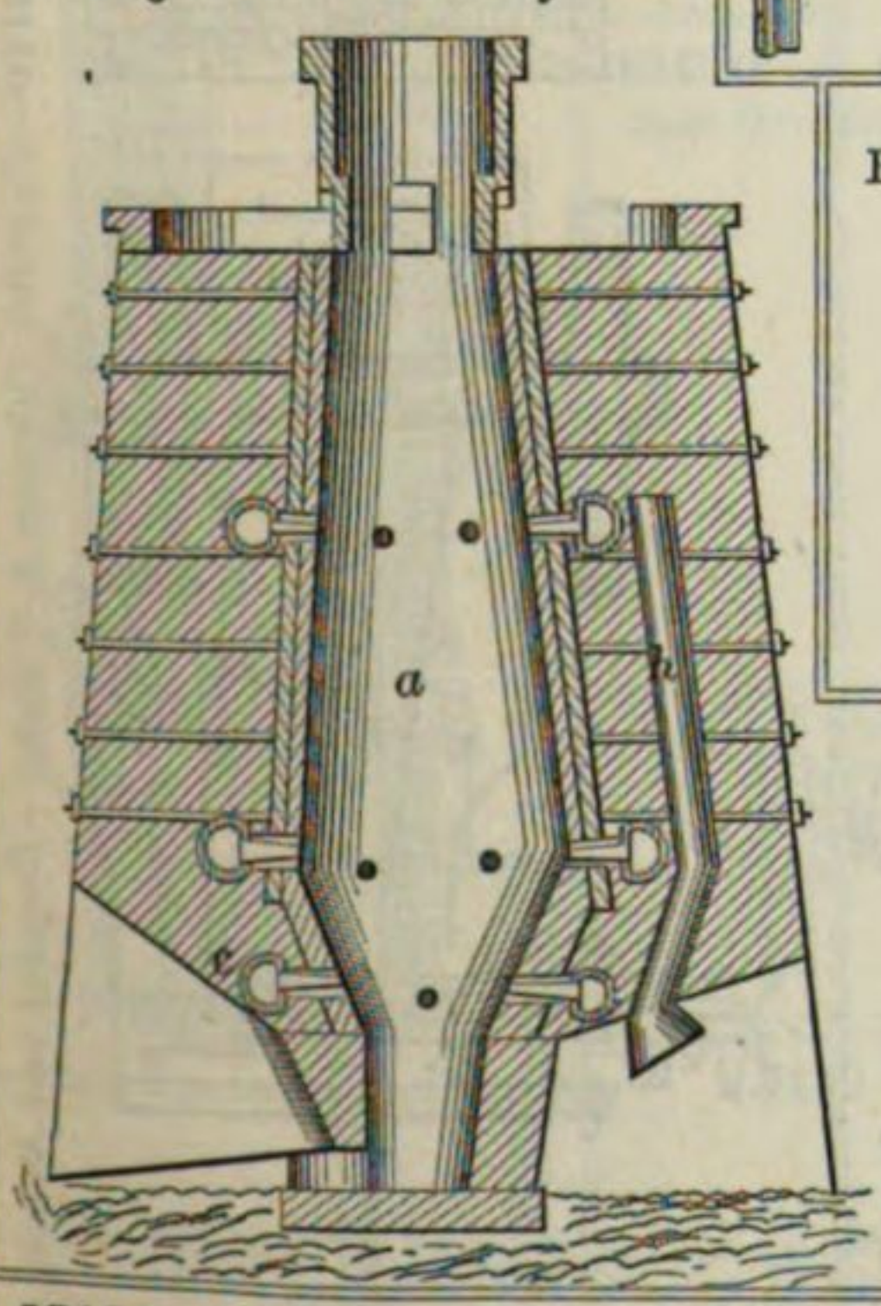
53100—Batchelder & Leiber—*Plow.*



53101—S. R. Beckwith—*Granary, Fruit House, &c.*

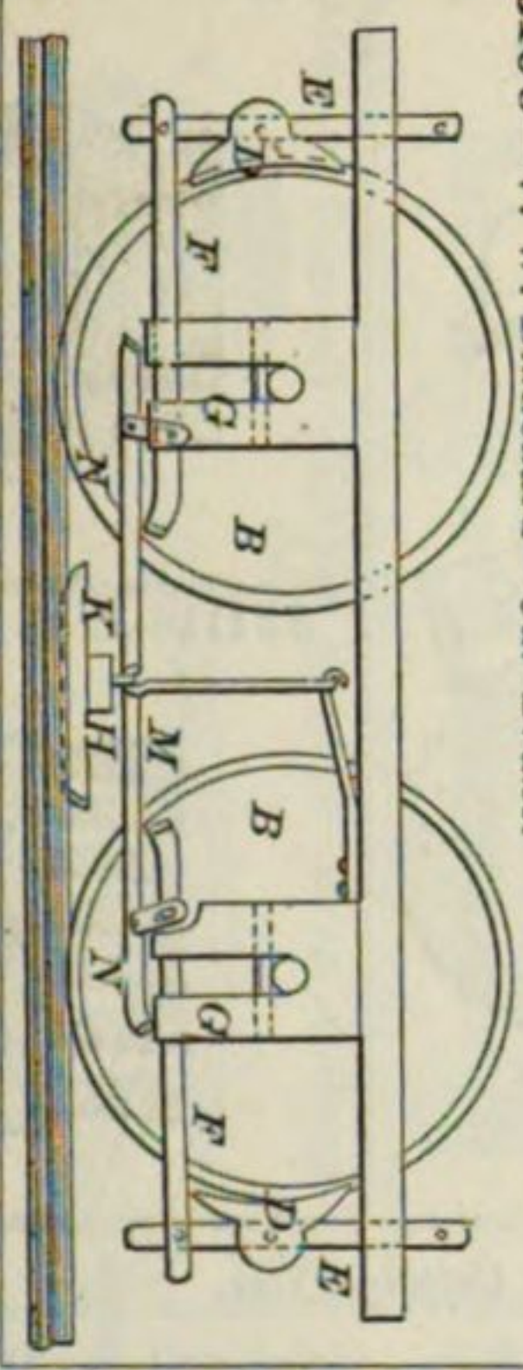


53104—J. F. Bennett—*Raising Heat by the Combustion of Fuel.*



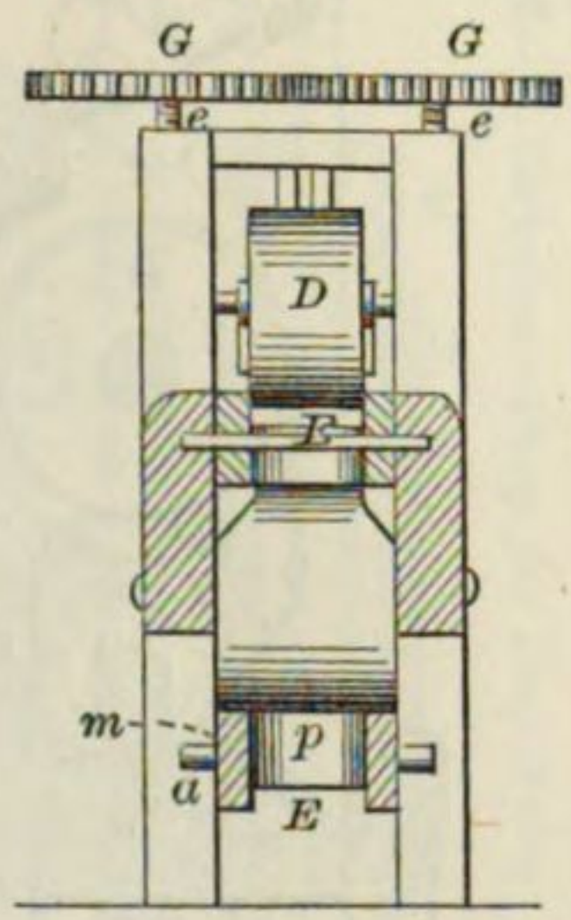
53107—L. W. Boynton—*For Making Skewers.*

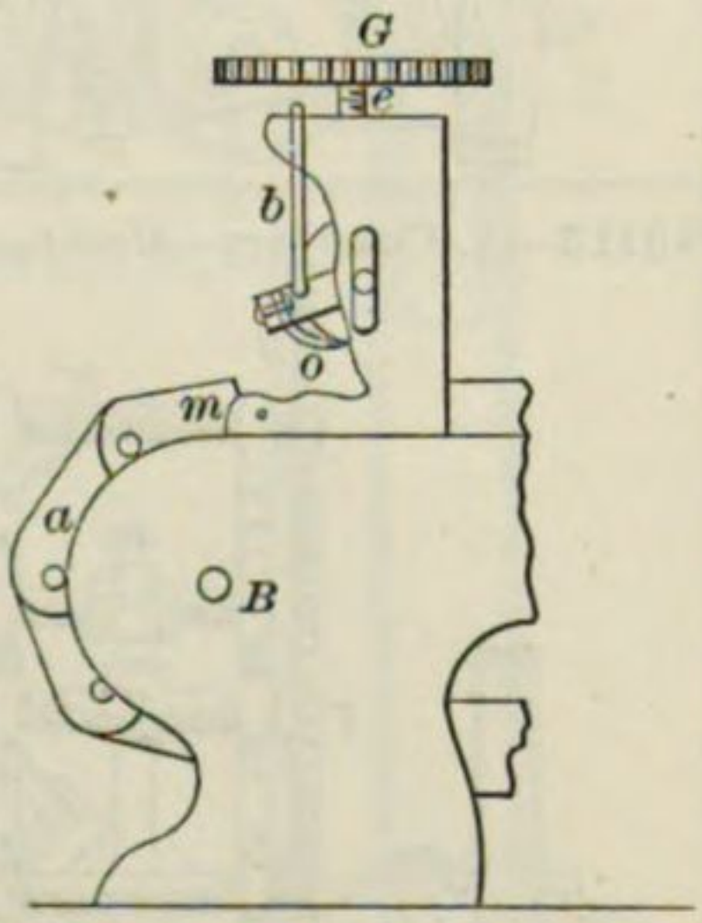
53106—V. W. Blanchard—*Car Brake.*



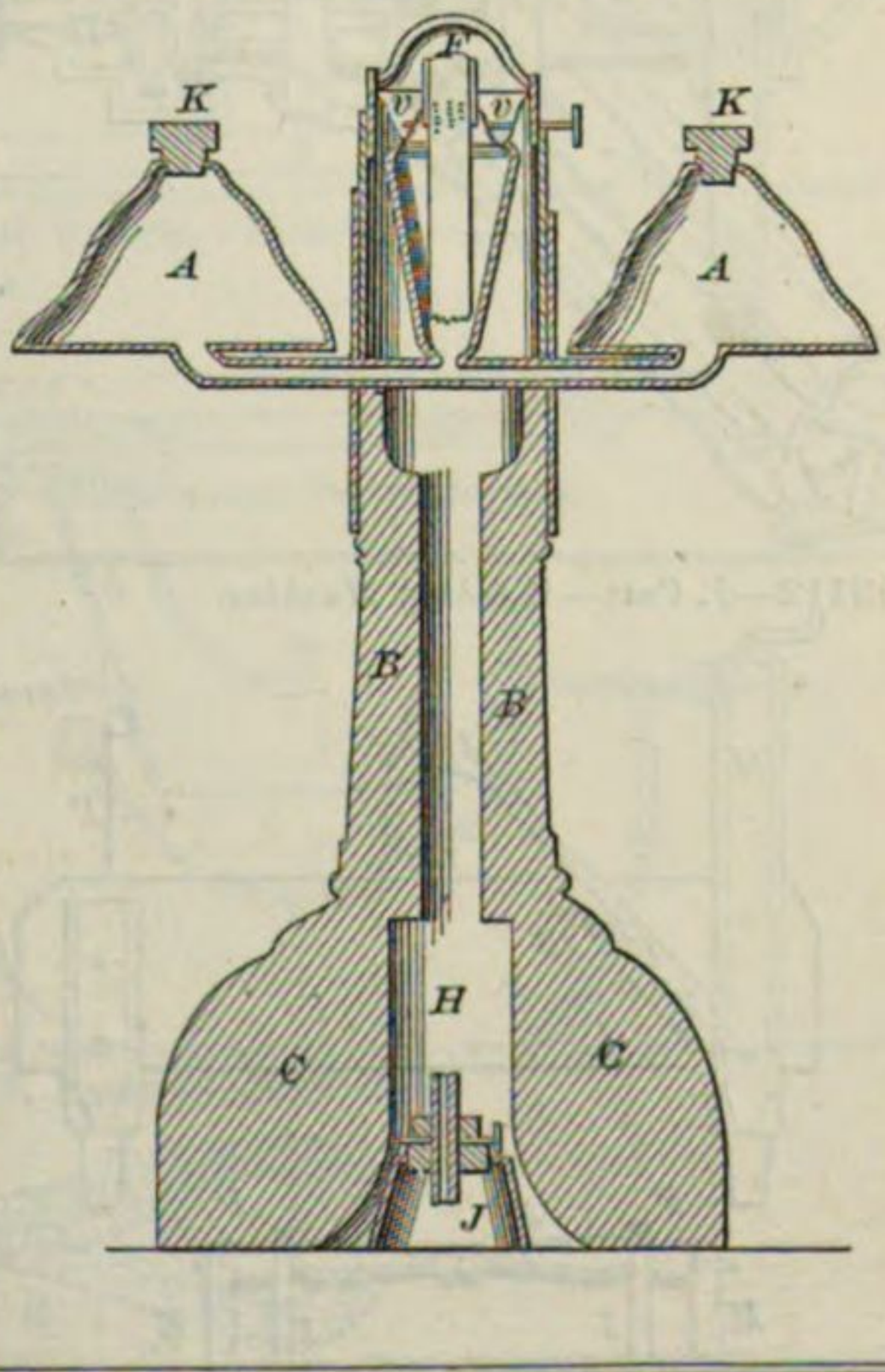
53102—Bendix & Fleisch—*Neck Tie.*

53105—J. Blackie—*For Making Plug Tobacco.*



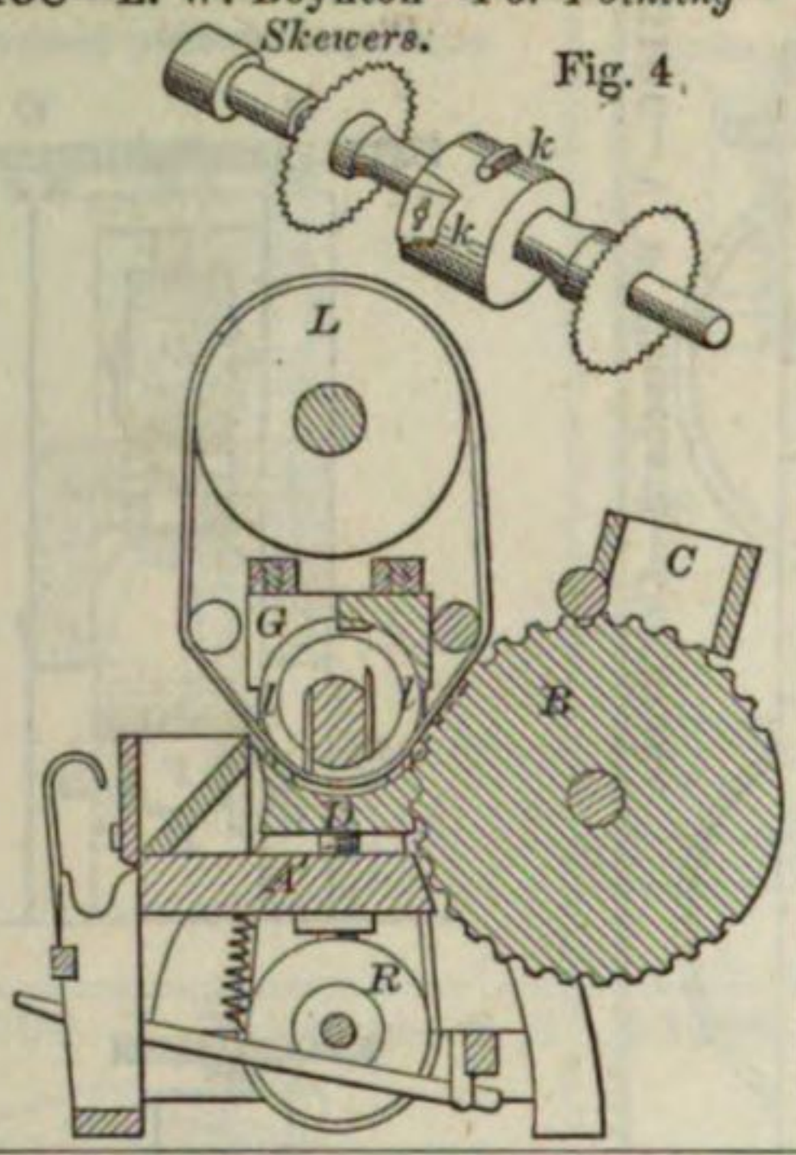


53103—Beidler & Crihfield—*Kerosene Lamp.*

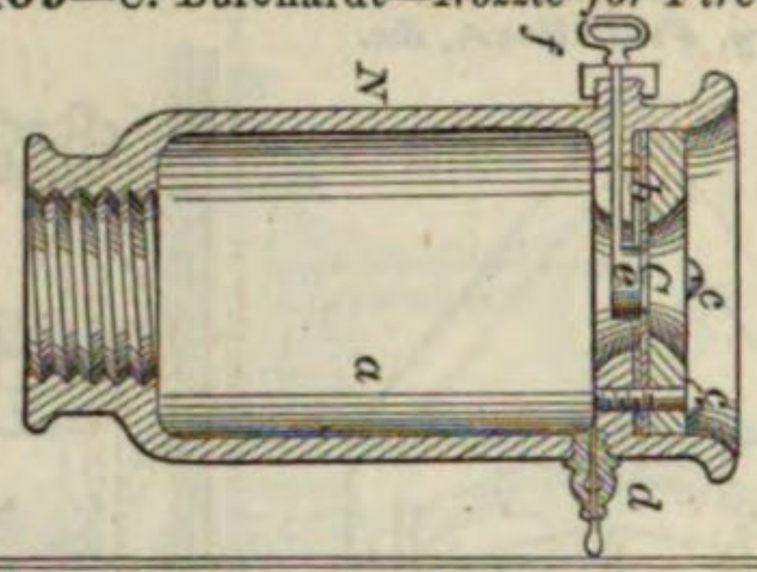


53108—L. W. Boynton—*For Pointing Skewers.*

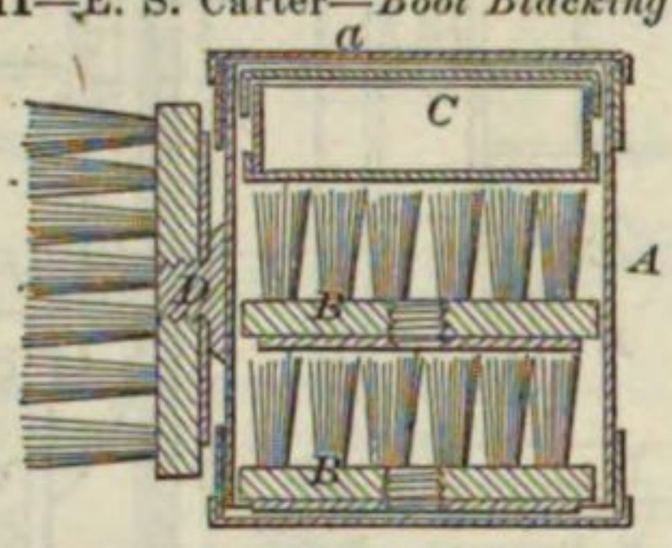
Fig. 4.



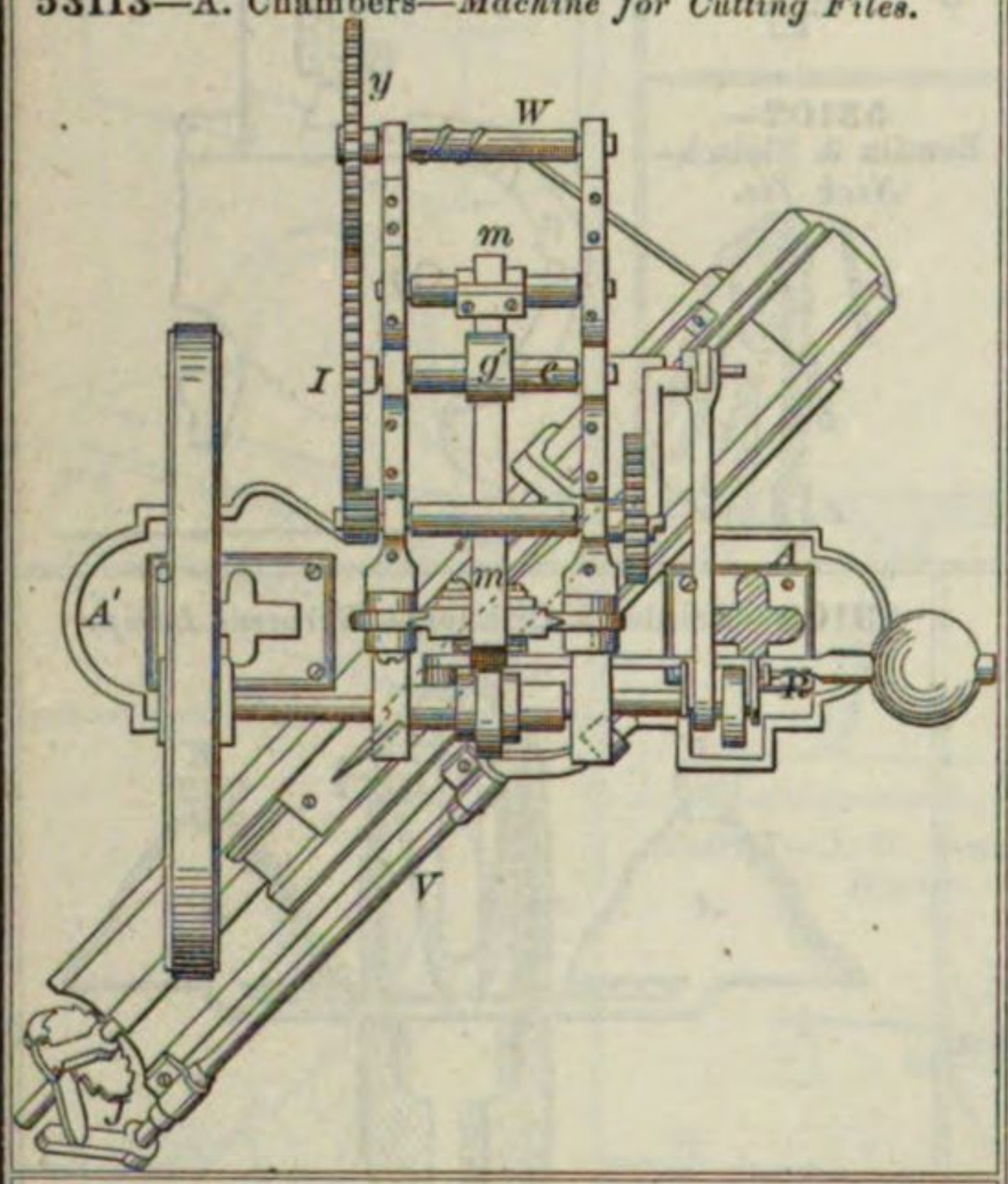
53109—C. Burchardt—*Nozzle for Fire Engines.*



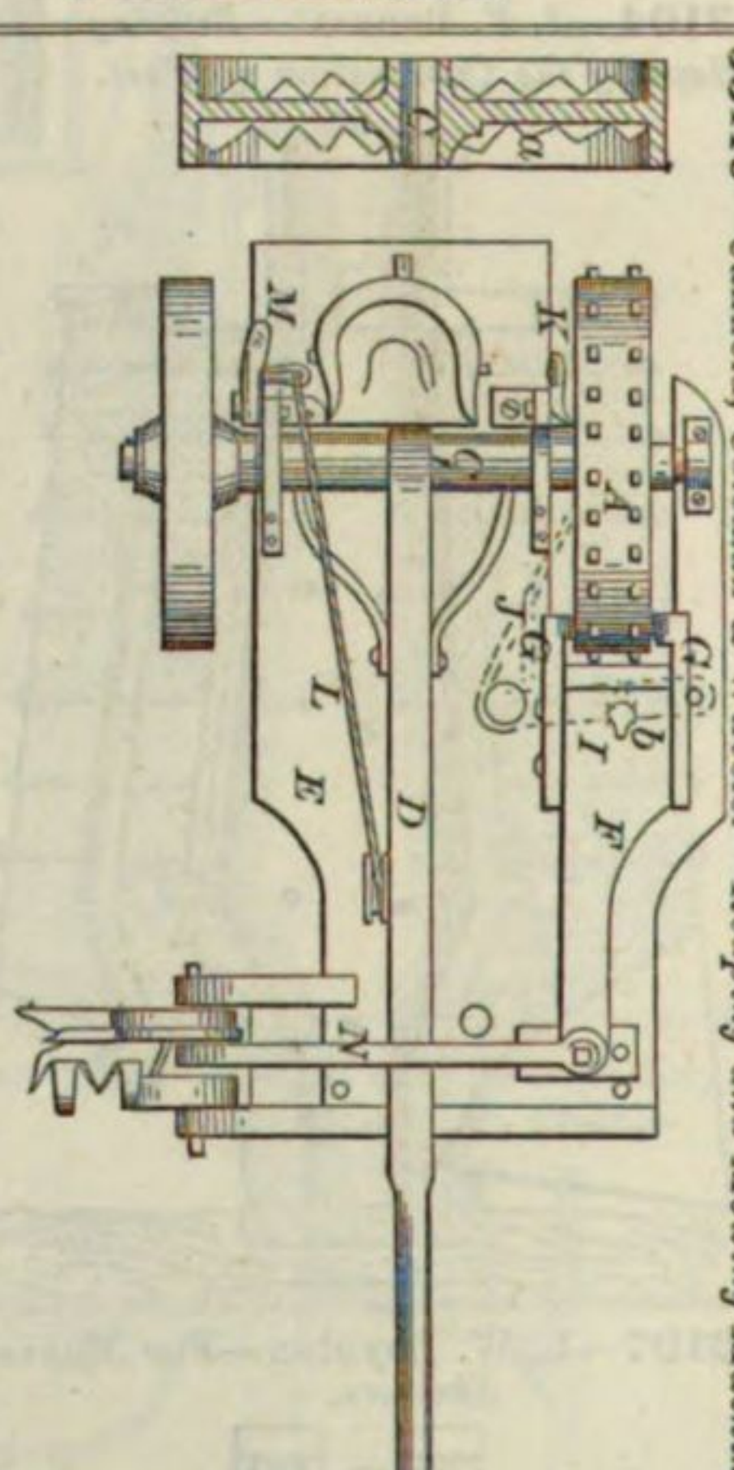
53111—E. S. Carter—*Boot Blacking Case.*



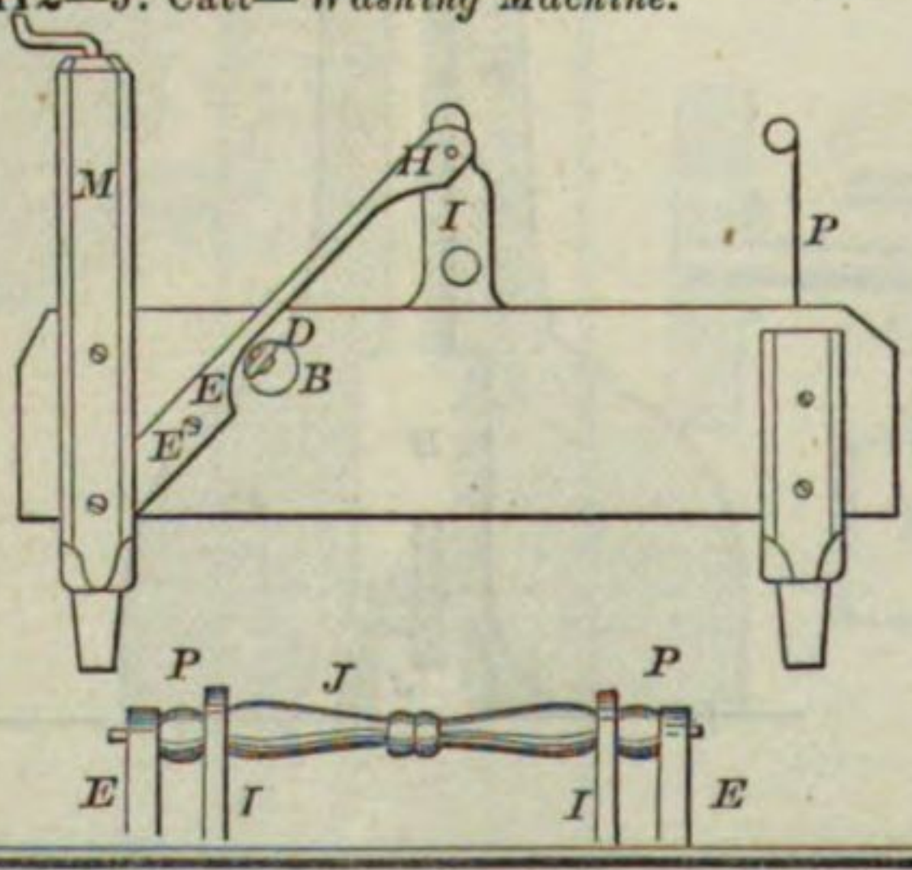
53113—A. Chambers—*Machine for Cutting Files.*



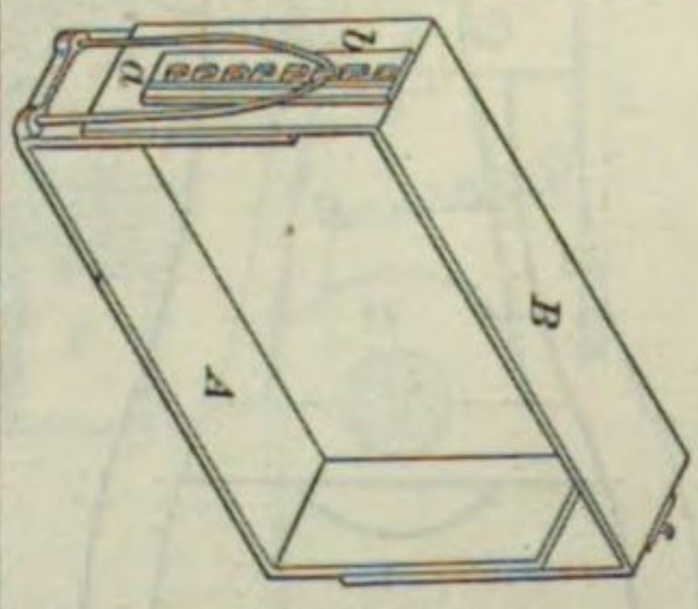
53110—Canfield, Coleman & Wheeler—*Reaping and Mowing Machine.*



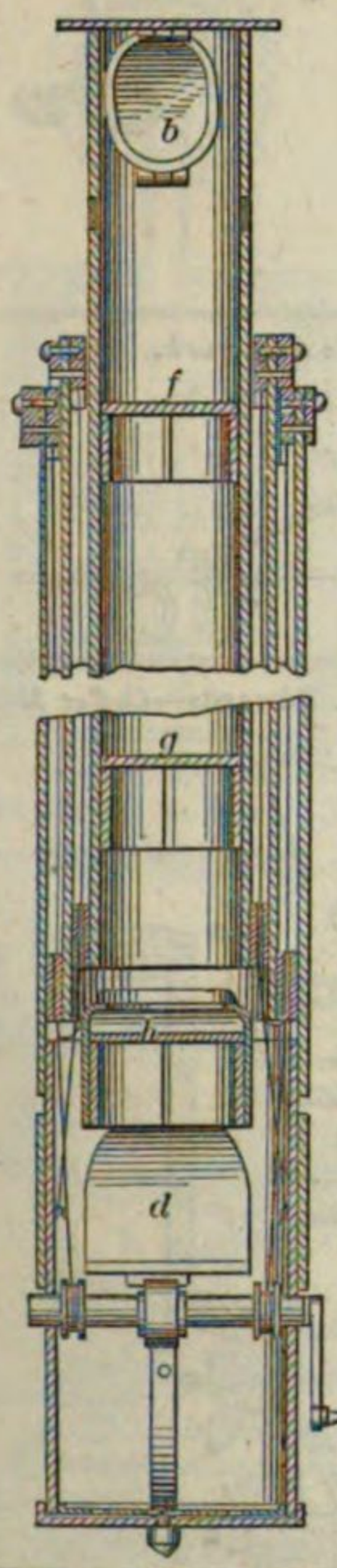
53112—J. Catt—*Washing Machine.*



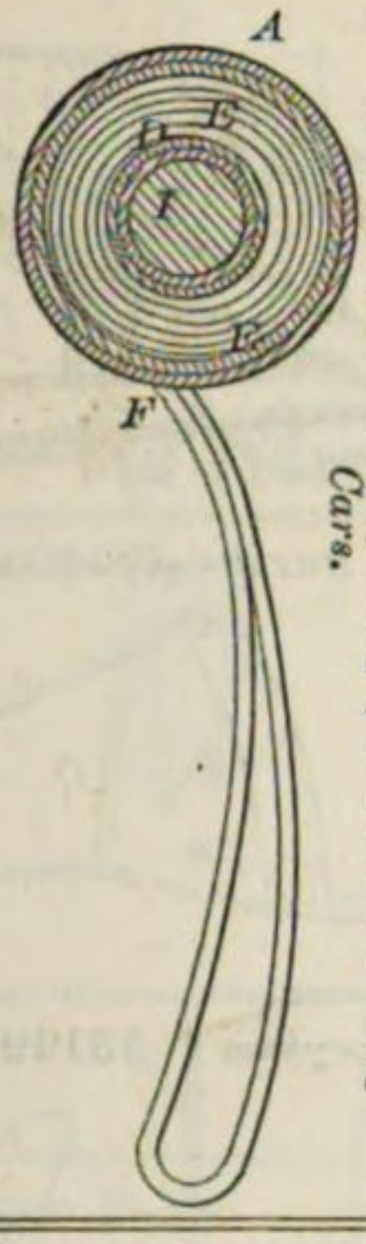
53114—W. C. Choate—*Letter File.*



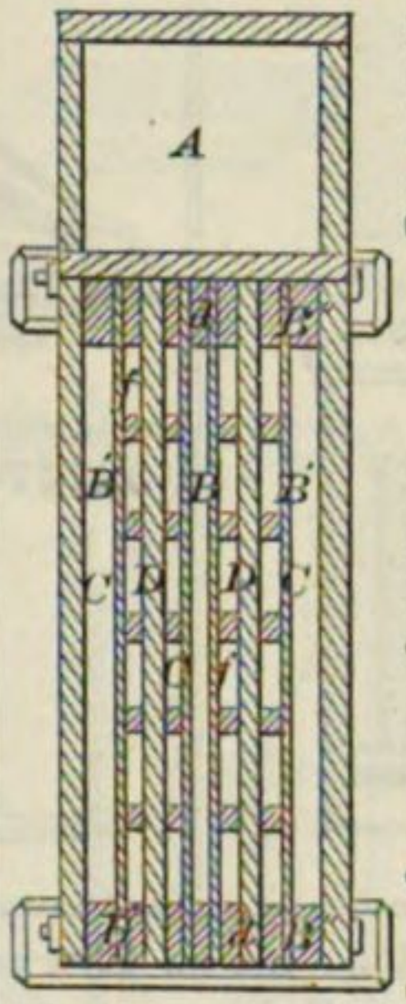
53115—J. Clarke—
Altiscope.



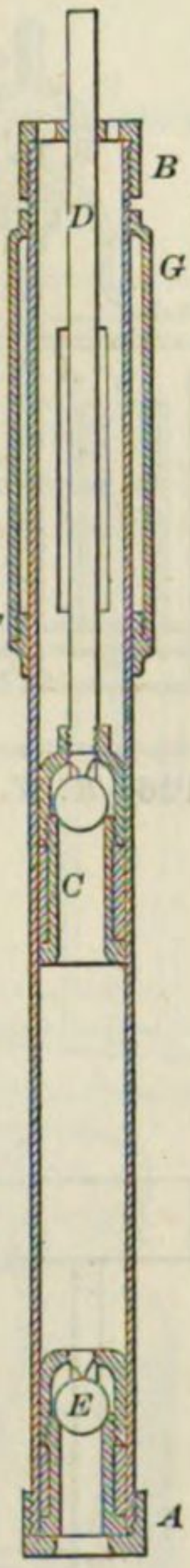
53116—T. Cogswell—*Holding Strap for Street Railway Cars.*



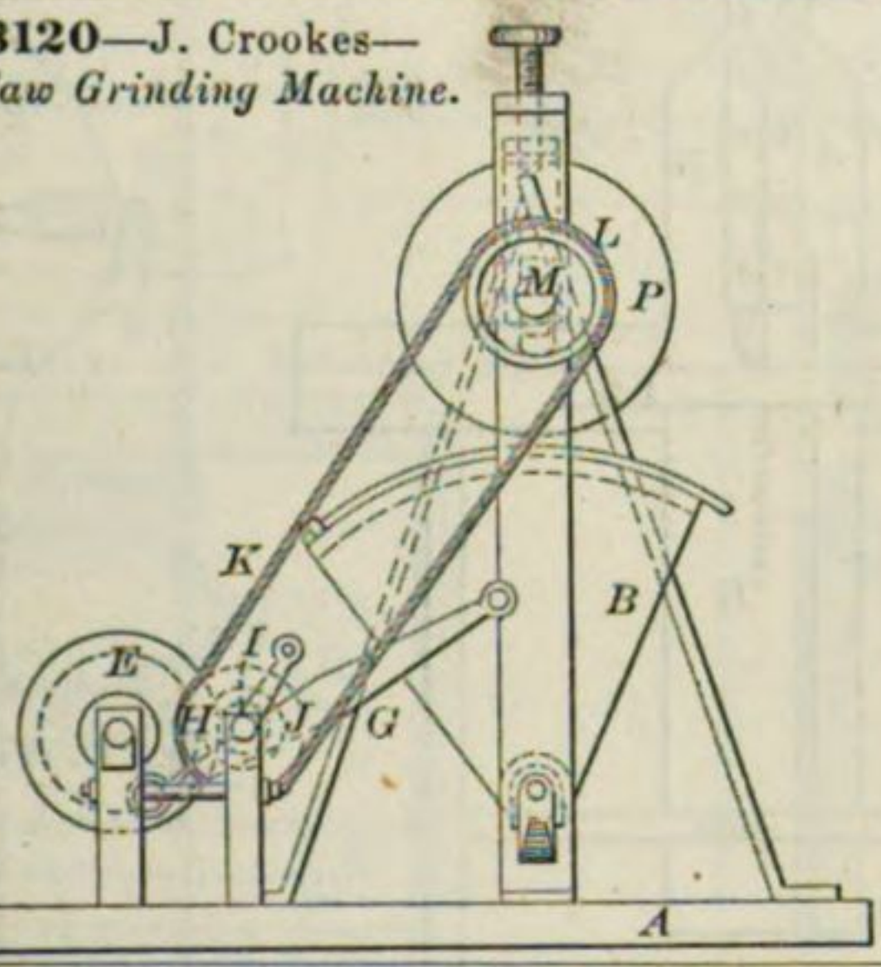
53118—I. E. Craig—*Steam Generator for Heating Purposes.*



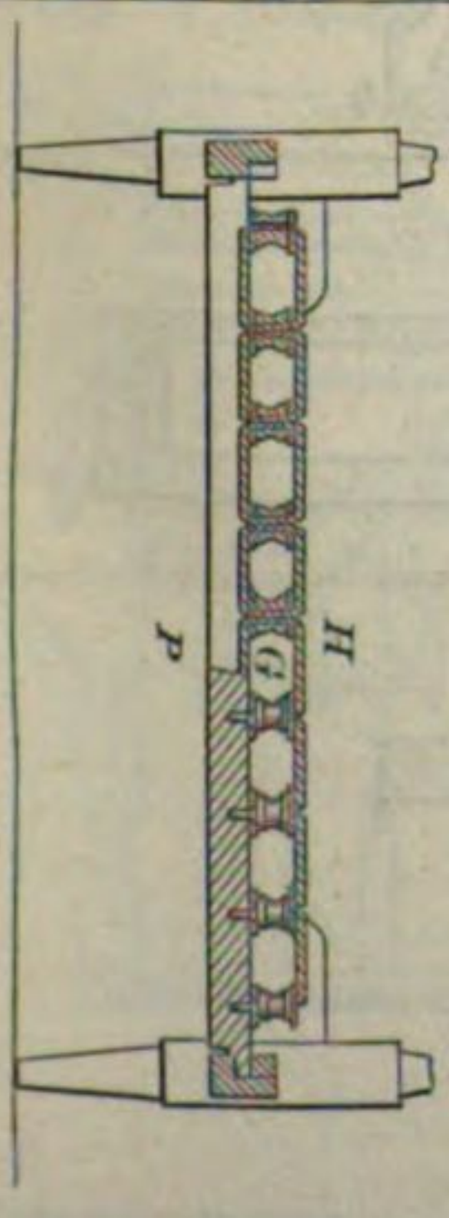
53117—R. Cornelius—*Pump for Deep Wells.*



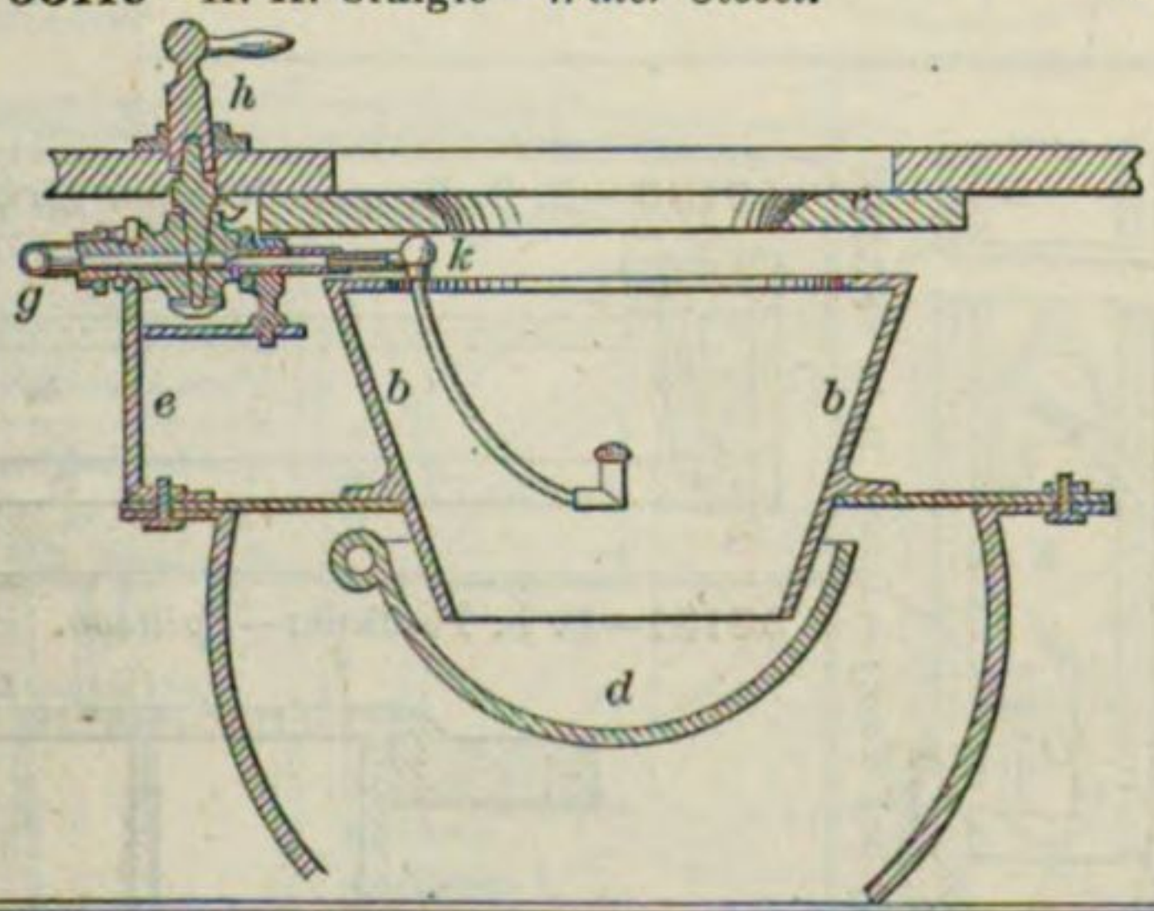
53120—J. Crookes—
Saw Grinding Machine.



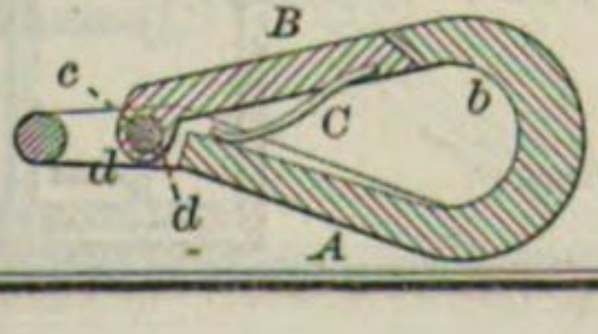
53121—S. H. Crossman—*Bed Bottom.*



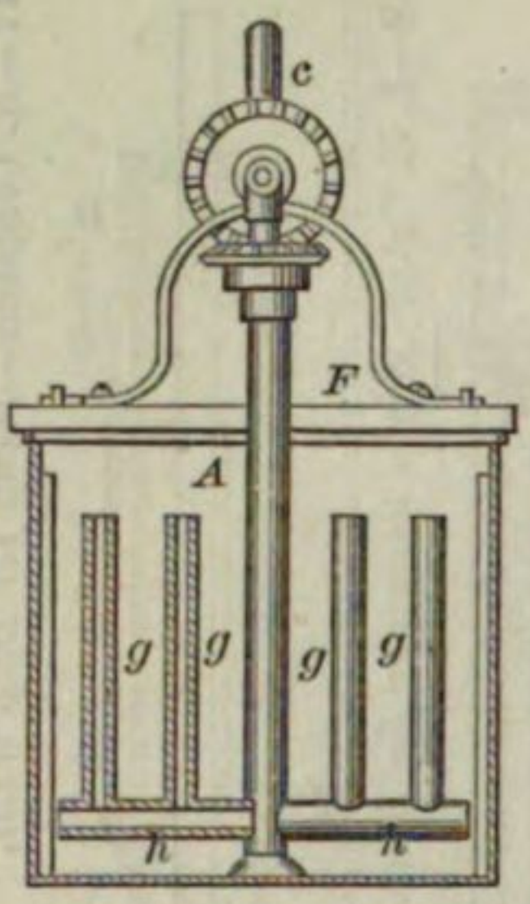
53119—H. H. Craigie—*Water Closet.*



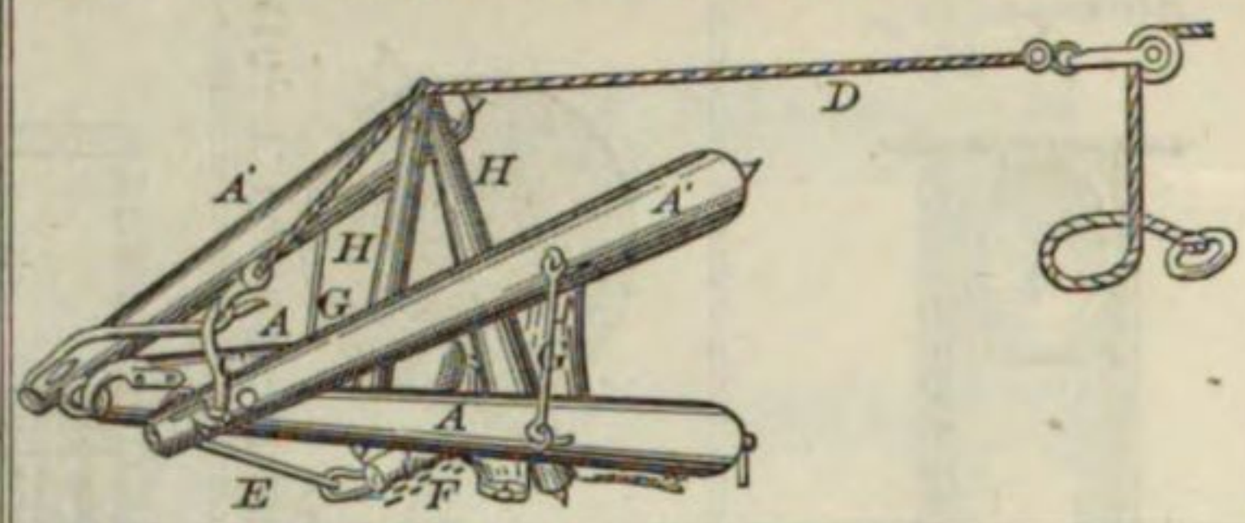
53122—E. S. Dawson—*Snap Hook.*



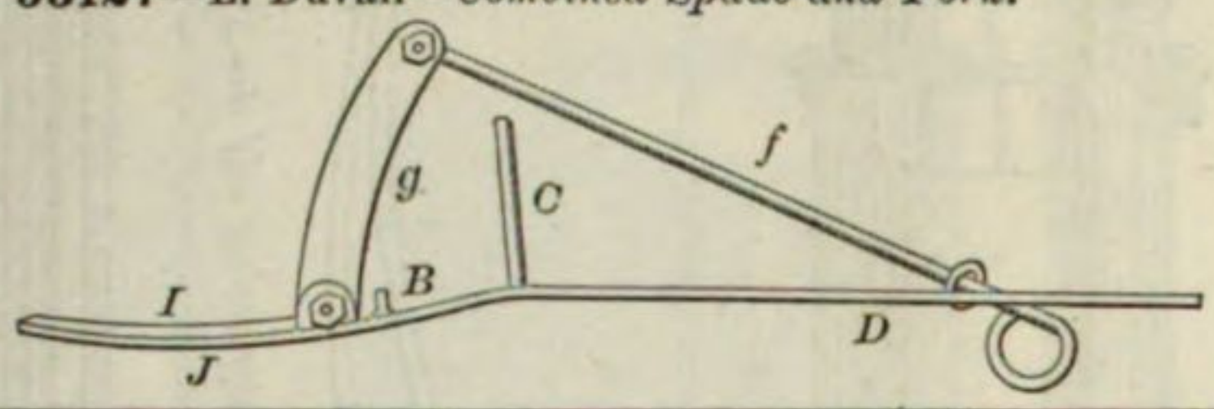
53123—J. Davis, 2d—*Churn.*



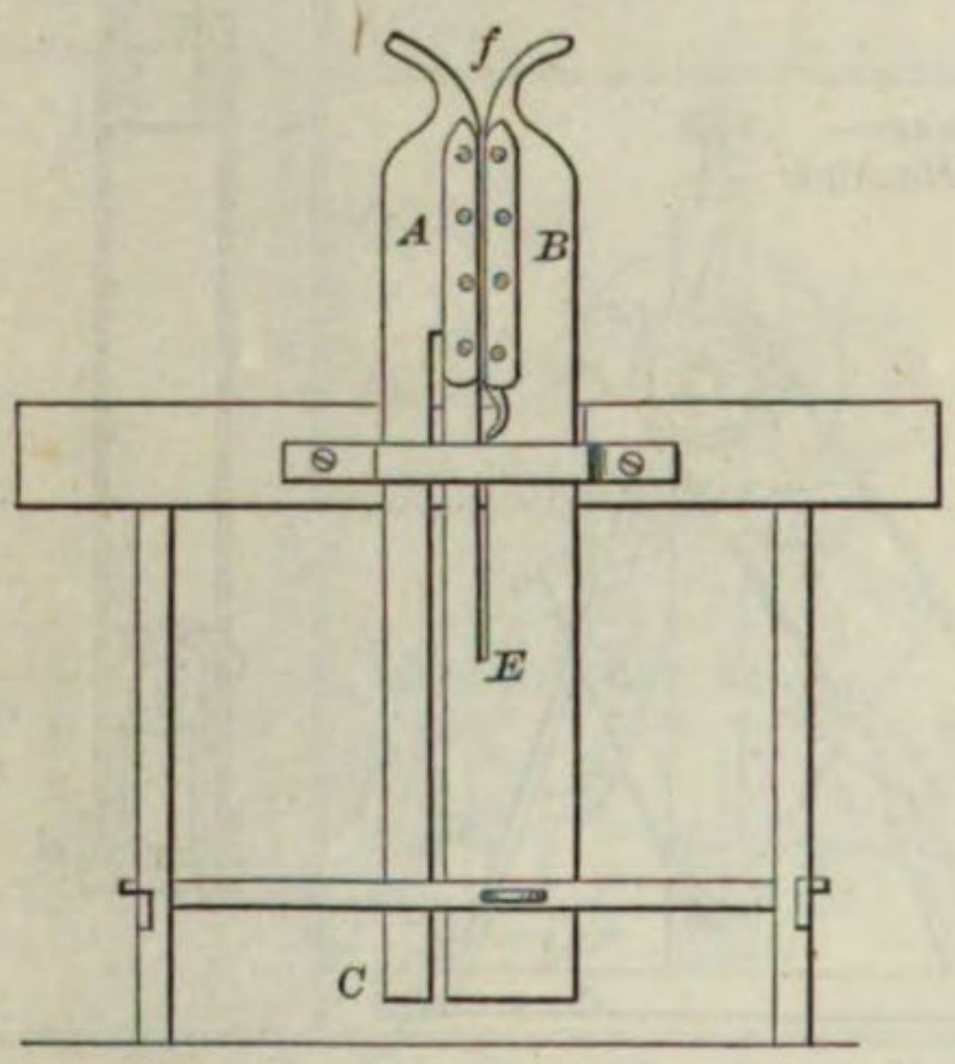
53125—Dickerson & Wilbur—*Stump Extractor.*



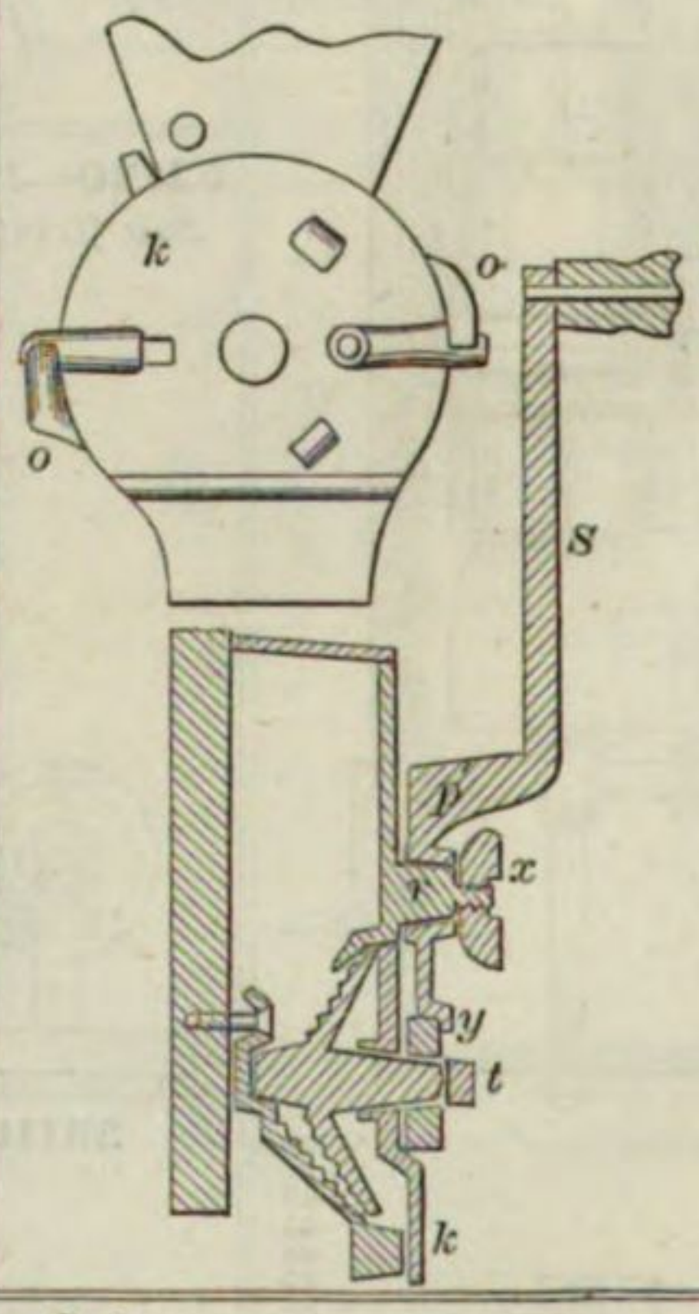
53127—L. Duvall—*Combined Spade and Fork.*



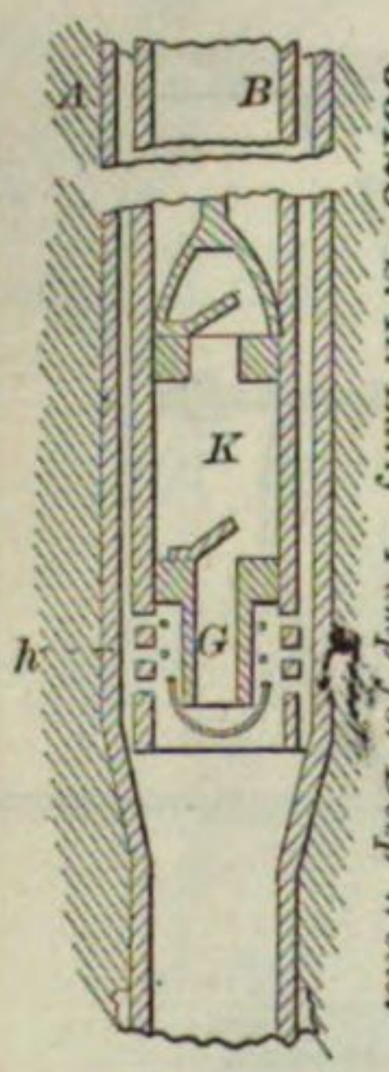
53126—K. W. Doudna—*Broom Corn and Sorghum Stripper.*



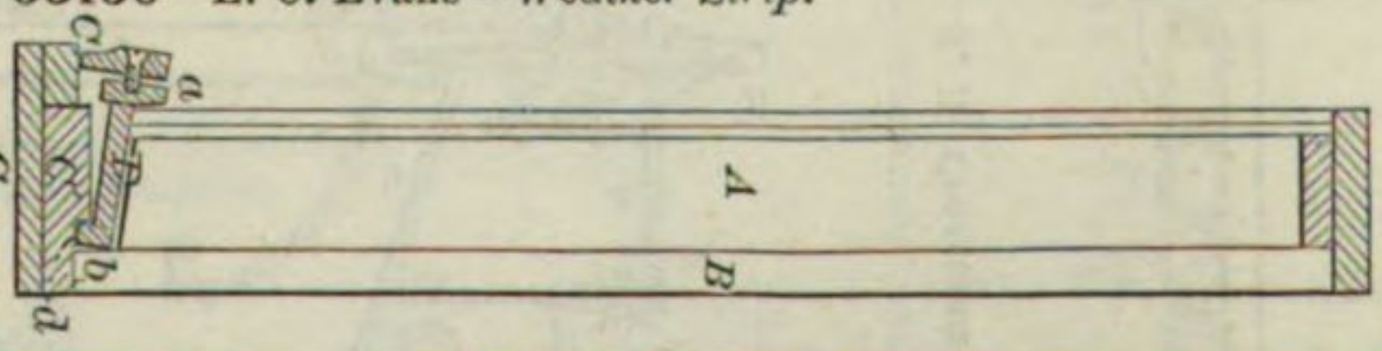
53129—C. R. Edwards—*Coffee Mill.*



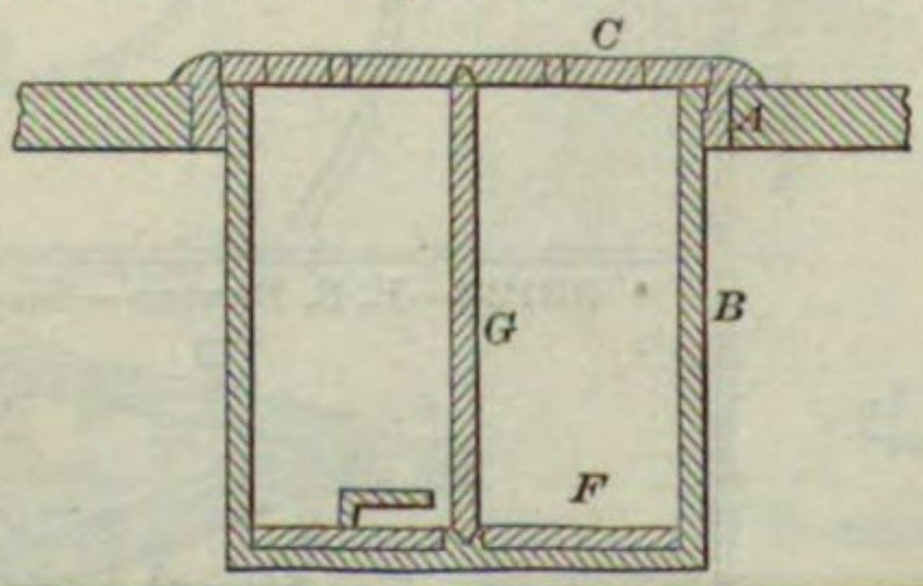
53128—S. H. Early—*Pump for Deep Wells.*



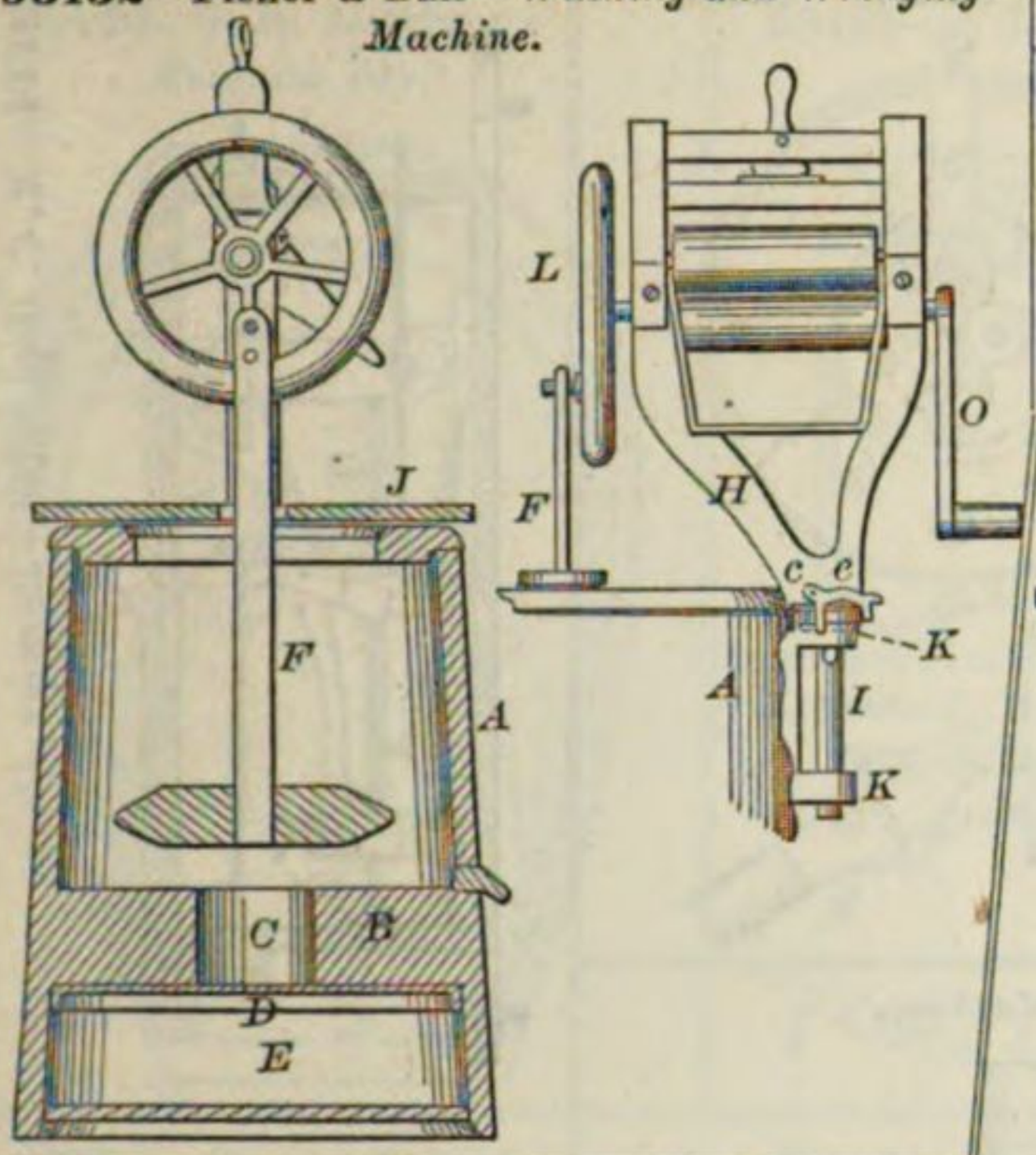
53130—E. C. Evans—*Weather Strip.*



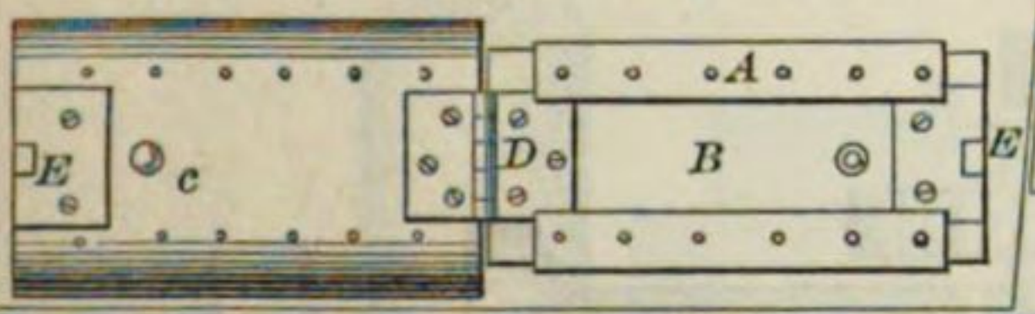
53131—F. L. Faulkner—*Spittoon.*



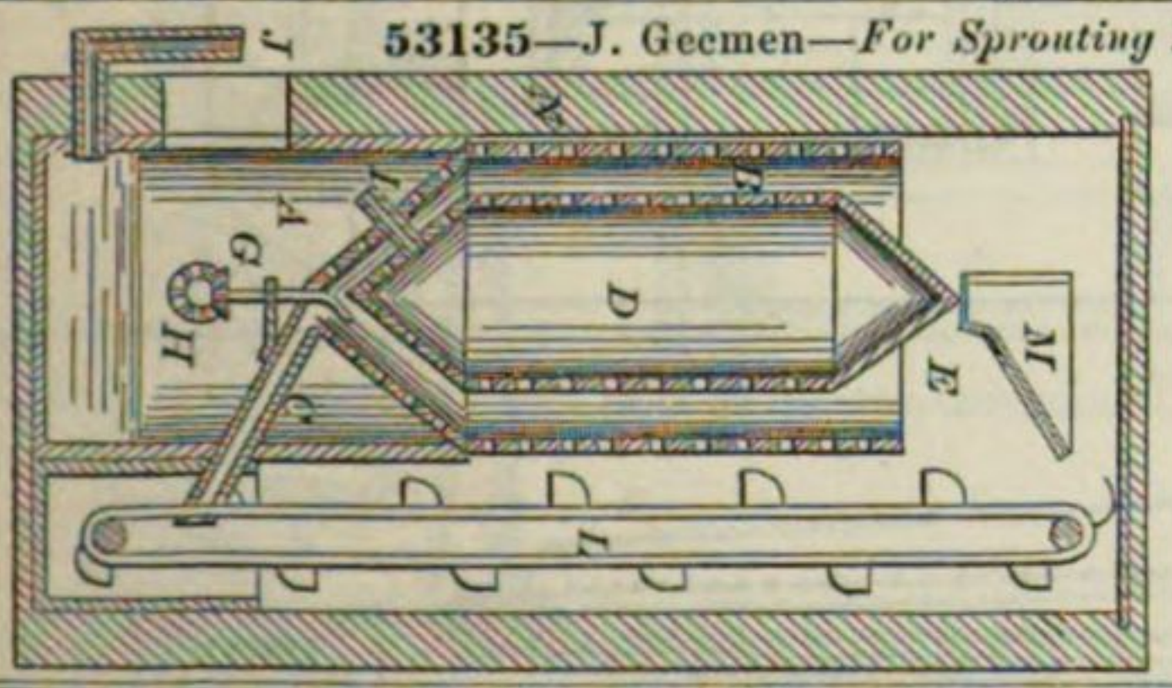
53132—Fisher & Ball—*Washing and Wringing Machine.*



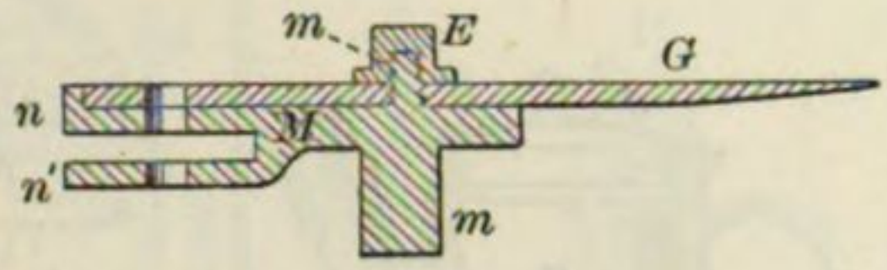
53133—T. B. Fitch—*Sand Paper Holder.*



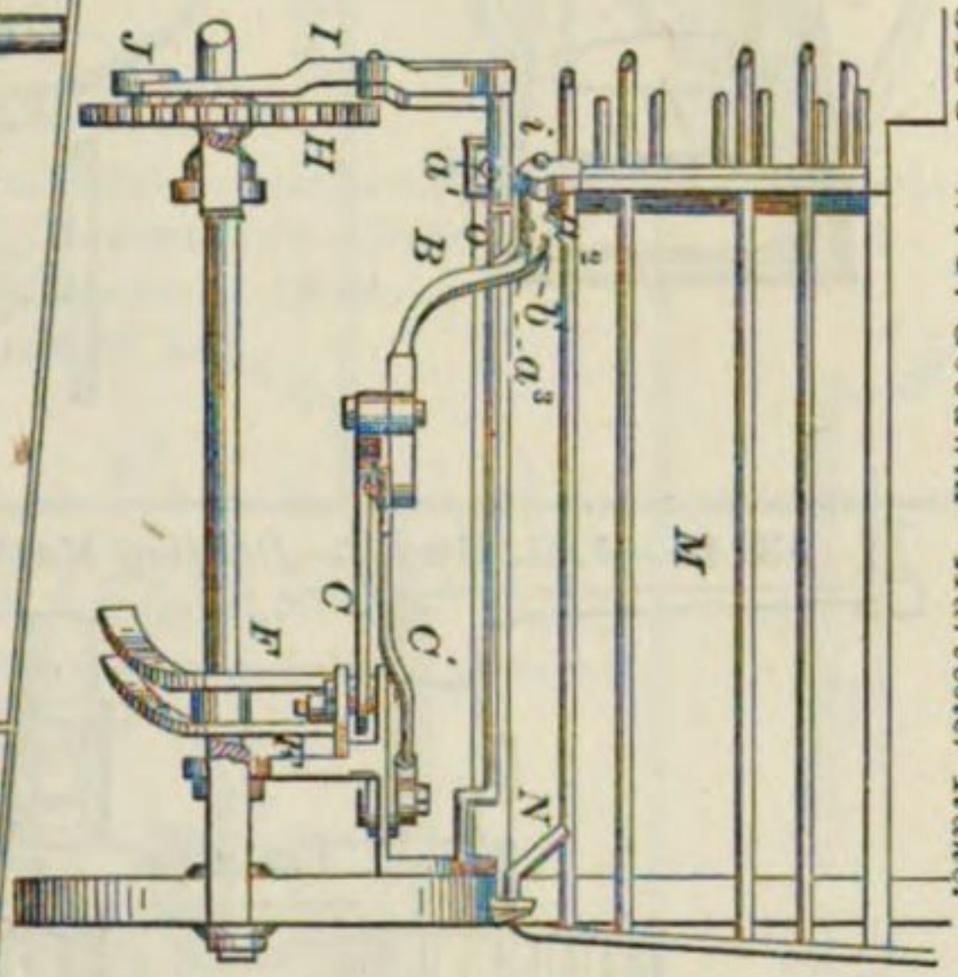
53135—J. Geemen—*For Sprouting Malt.*



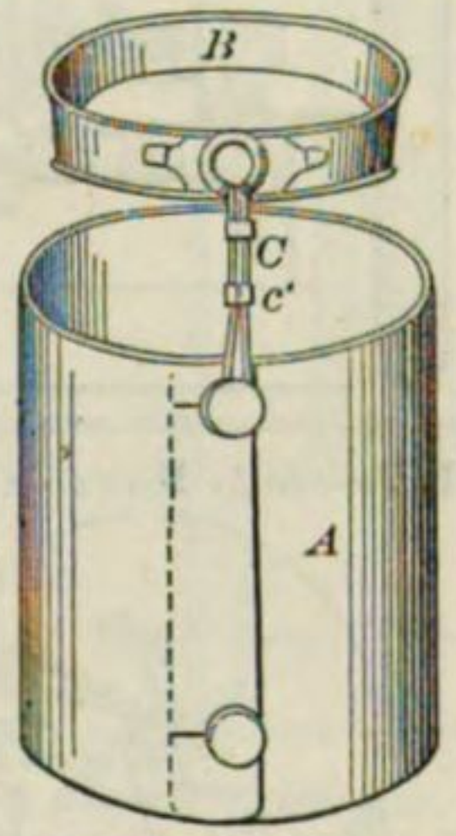
53137—W. F. Goodwin—*Harvester.*



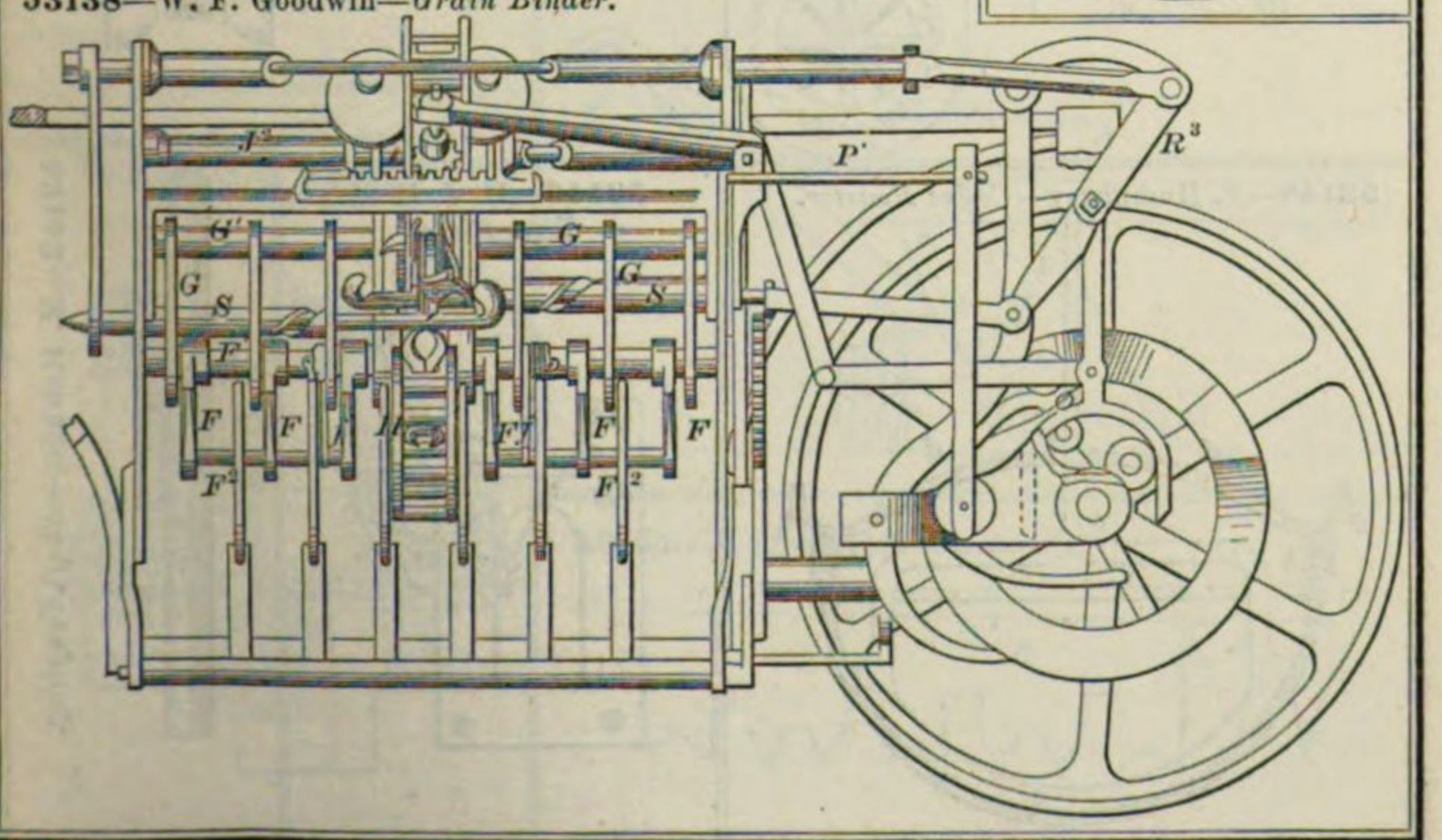
53136—W. F. Goodwin—*Harvester Rake.*



53134—P. T. Gates—*Wristband.*

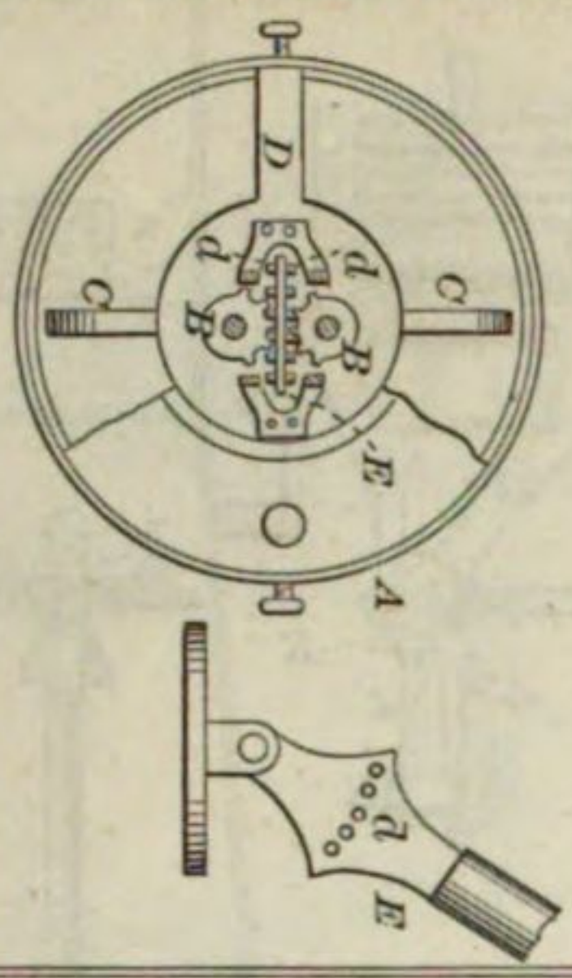


53138—W. F. Goodwin—*Grain Binder.*

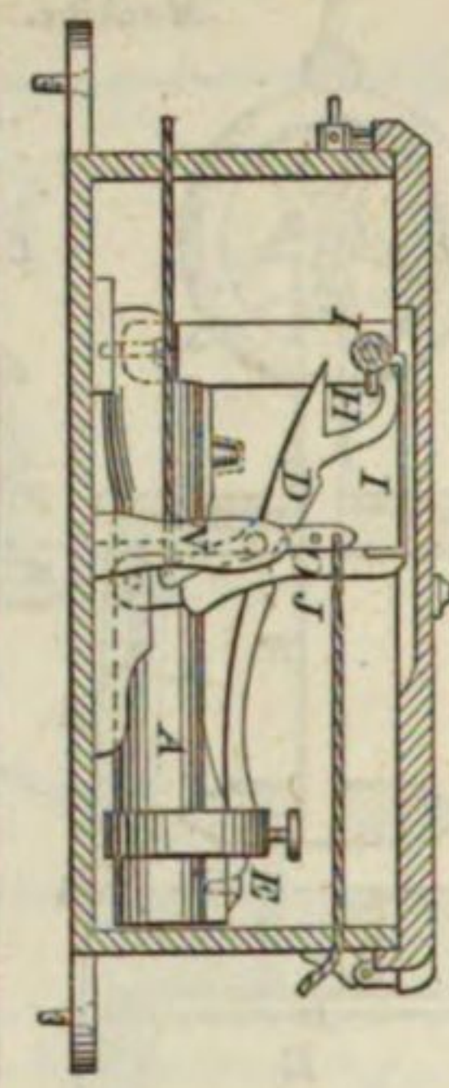


53139—J. C. Gove—*Coffee Pot.*

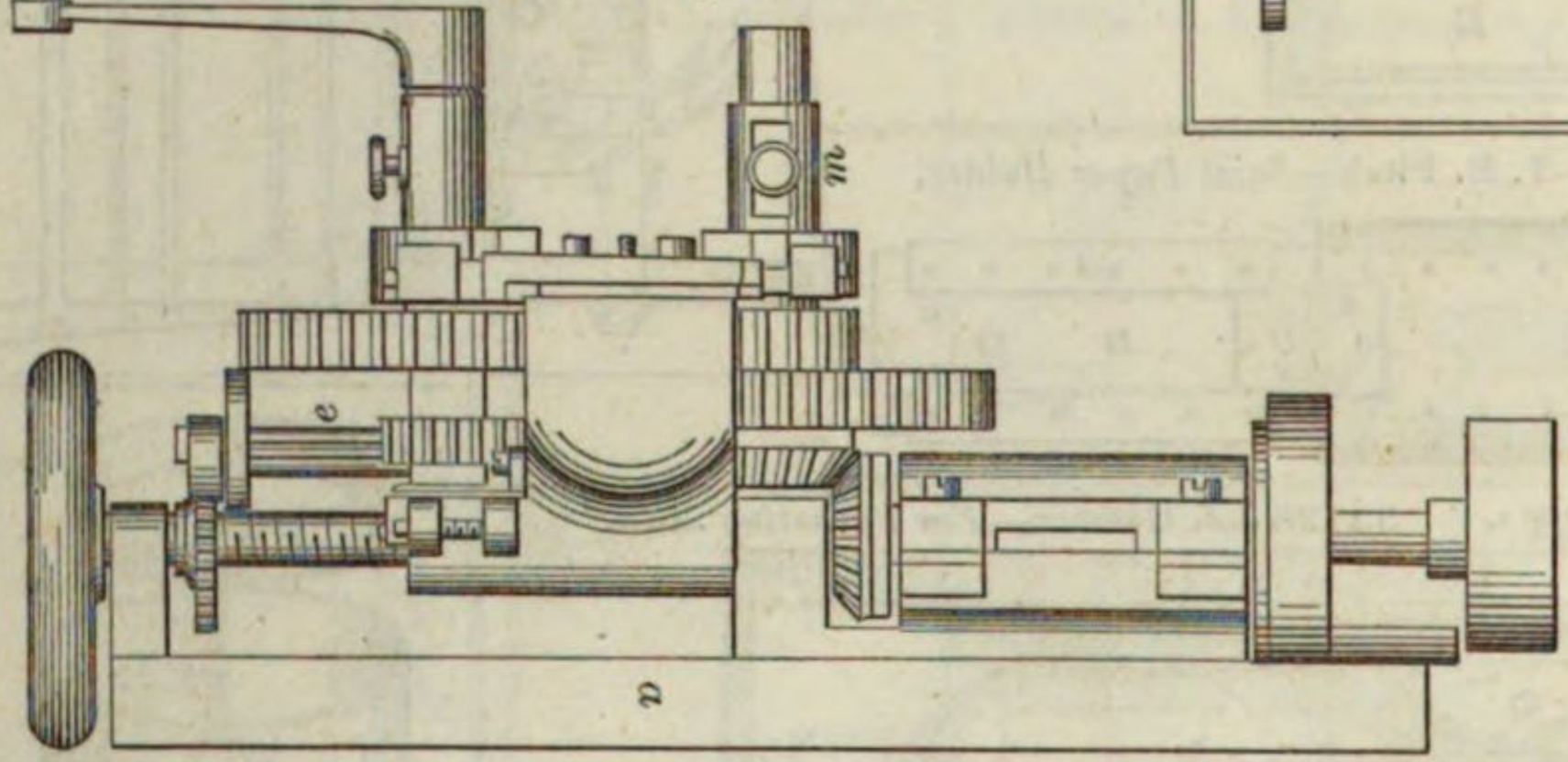
53141—A. Hamlin—*Churn.*



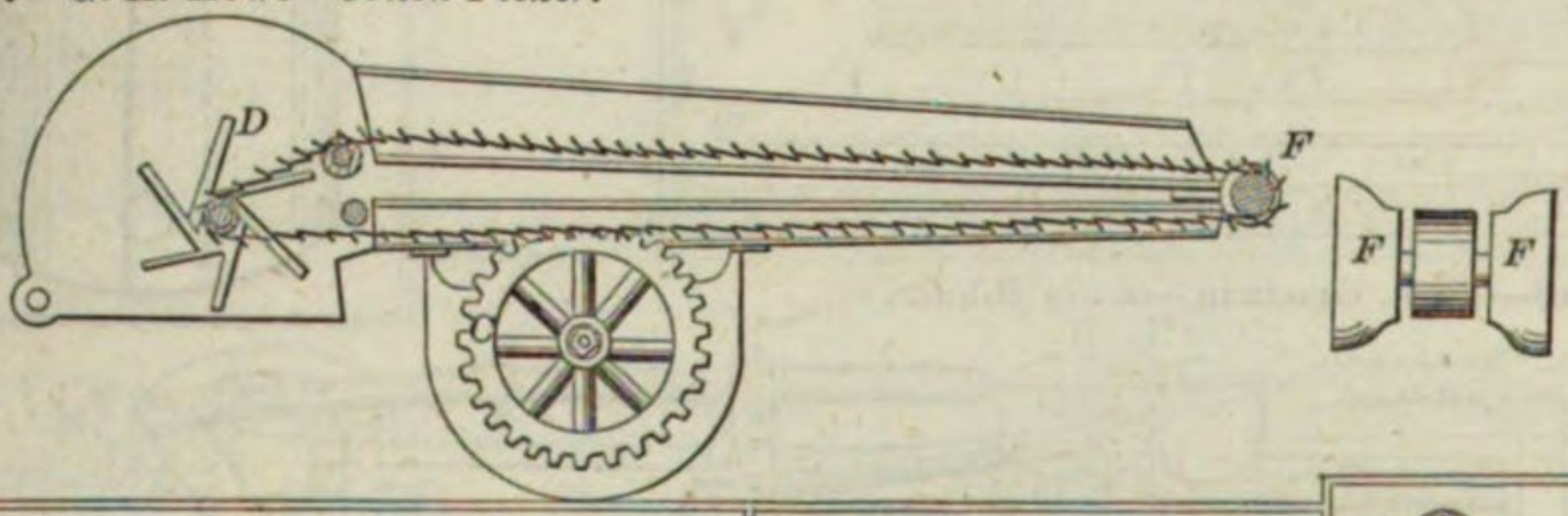
53144—M. C. Heptinstall—*Burglar Alarm.*



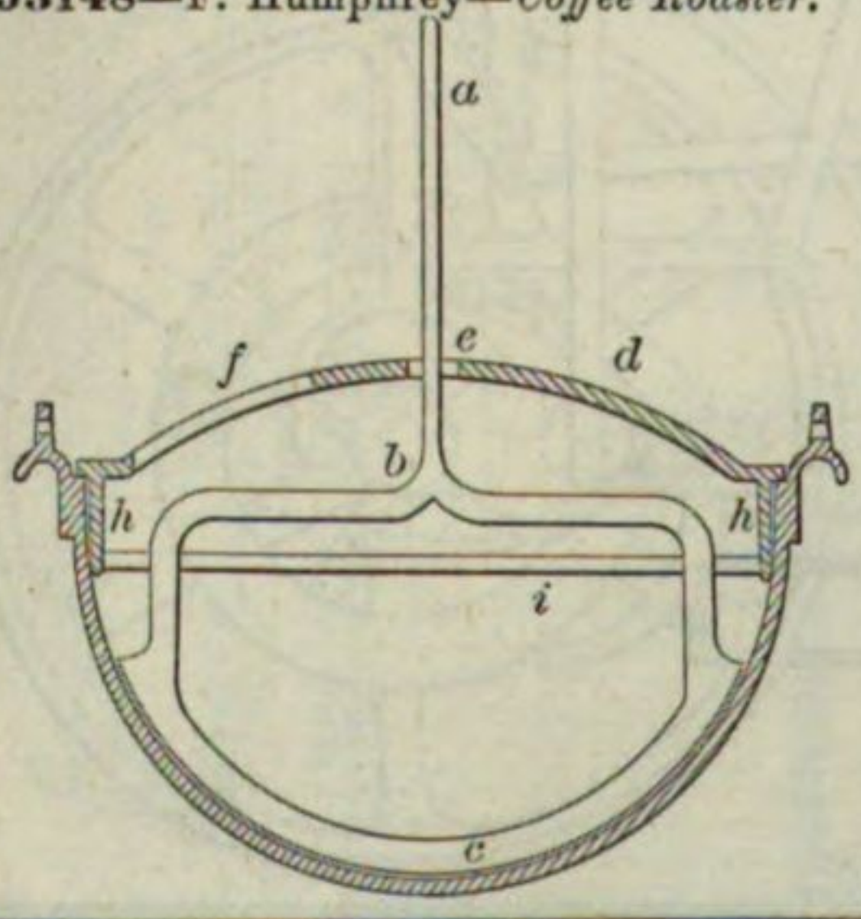
53145—J. G. Hizzell—*Drilling Machine.*



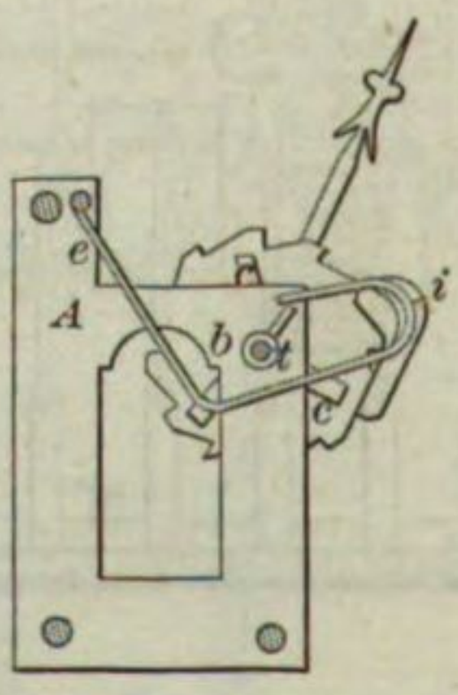
53147—G. A. Howe—*Cotton Picker.*



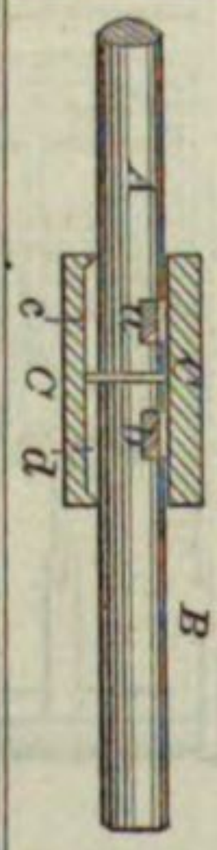
53148—F. Humphrey—*Coffee Roaster.*



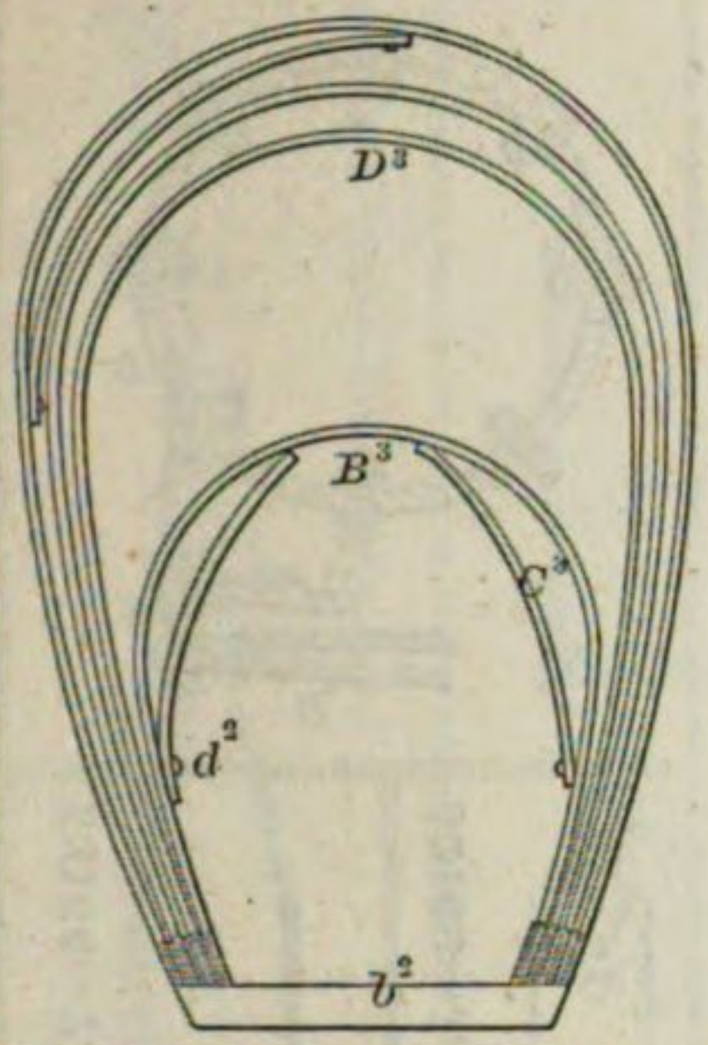
53146—H. J. Holden—*Time Piece.*



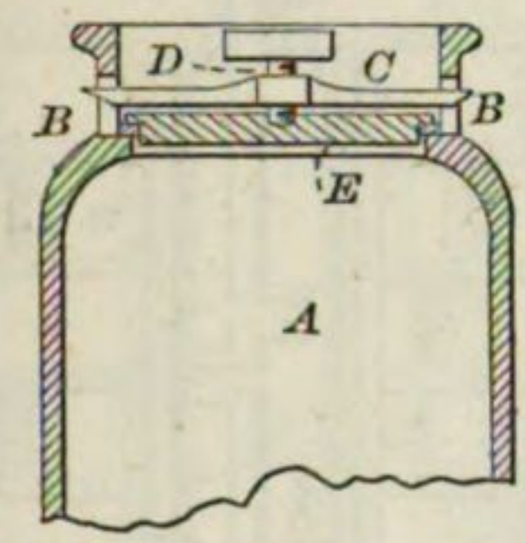
53143—M. Hawkins—*Shaft Coupling.*



53149—J. H. Jennings—
Musquito Bar.



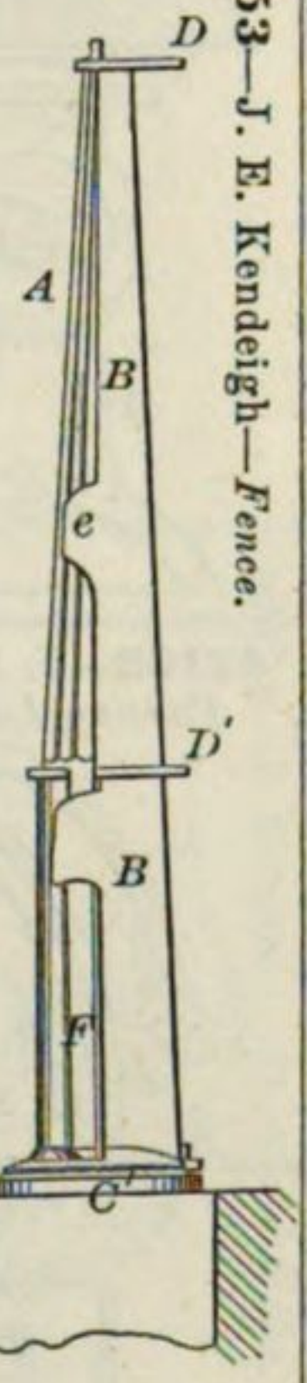
53151—J. Johnson—*Fruit Jar.*



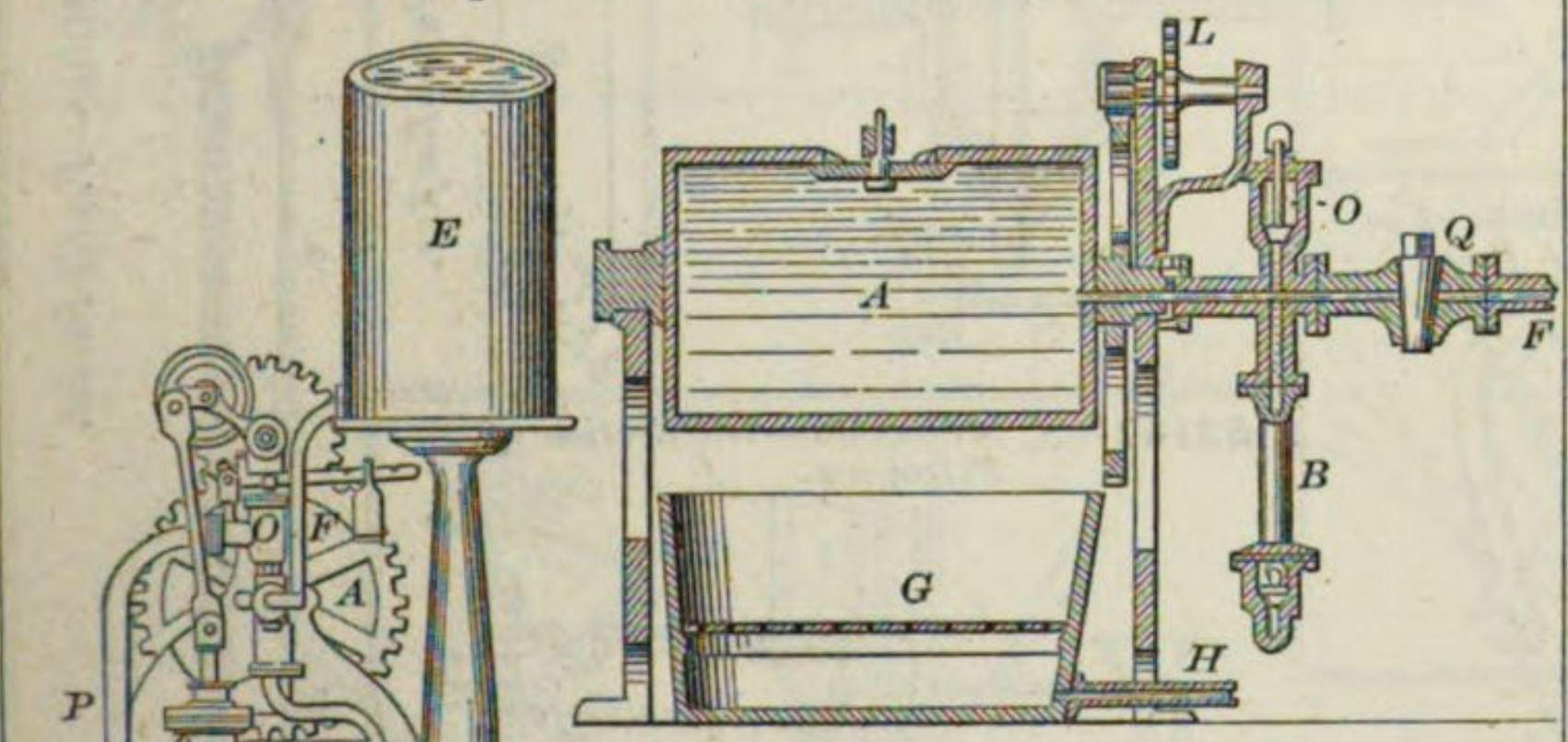
53155—J. L. Lewis—
Making Axes.

53150—J. H. Jennings—*Securing Tips to Boots and Shoes.*

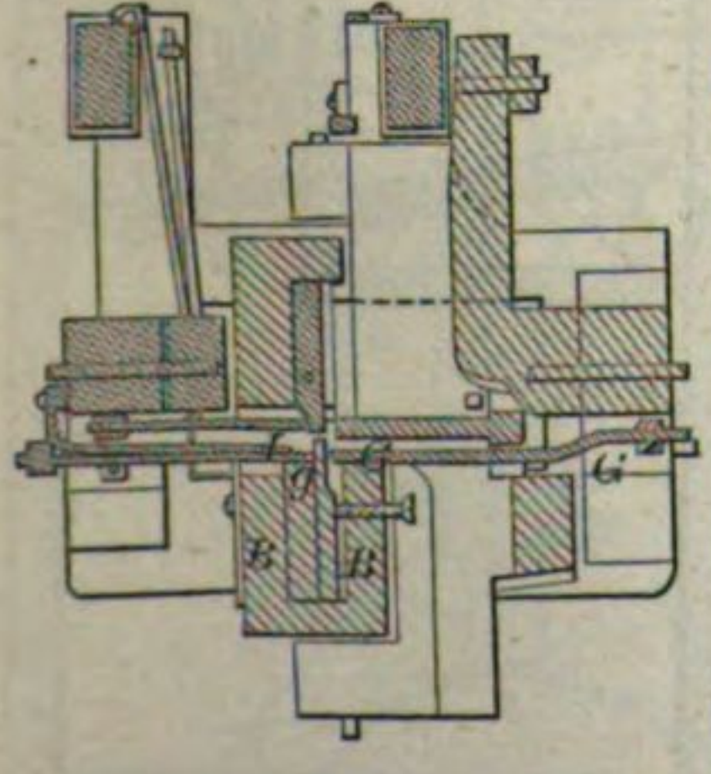
53153—J. E. Kendeigh—*Fence.*



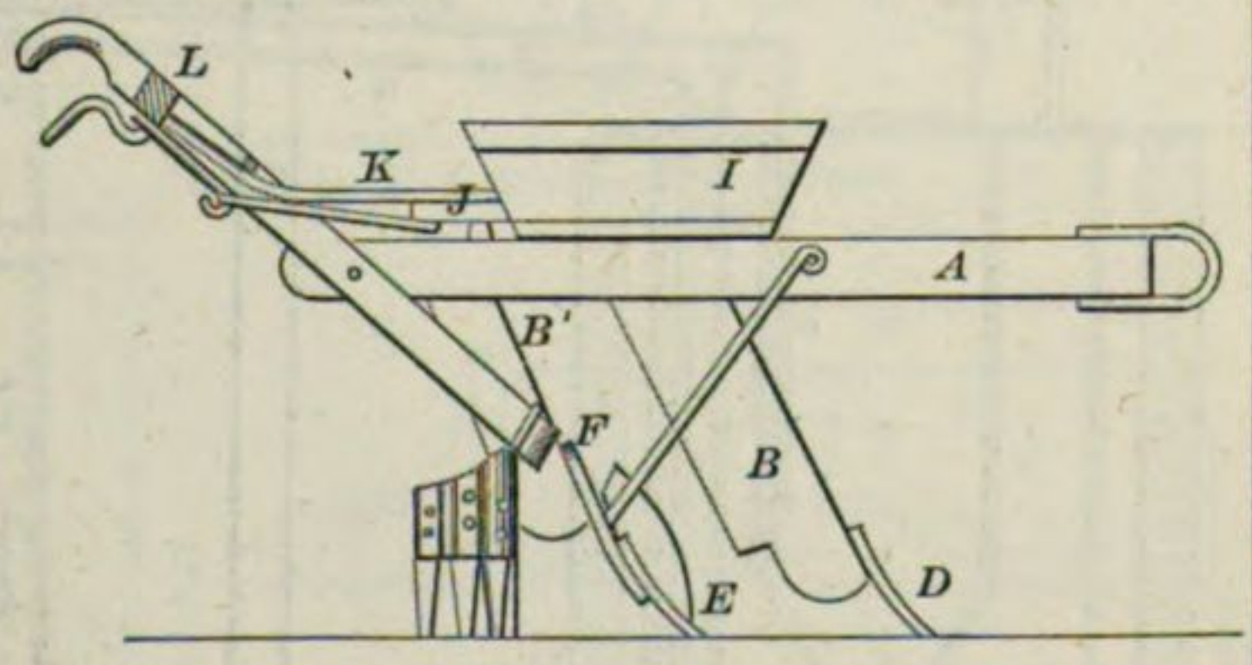
53152—Jones & Farquharson—*For Bleaching Paper Pulp.*



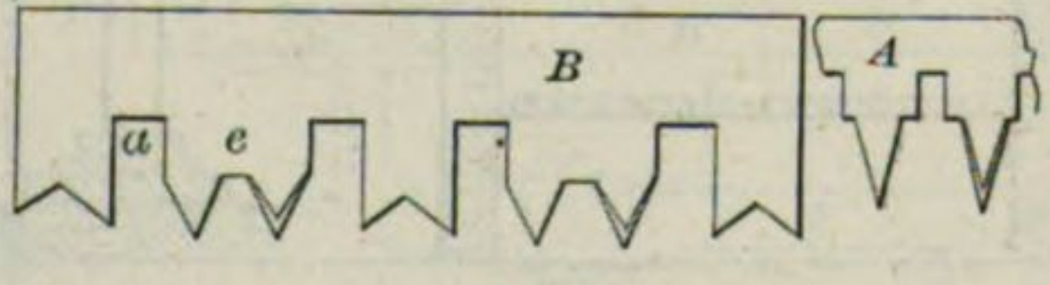
53154—N. & N. H. Leonard—
Tack and Nail Machine.



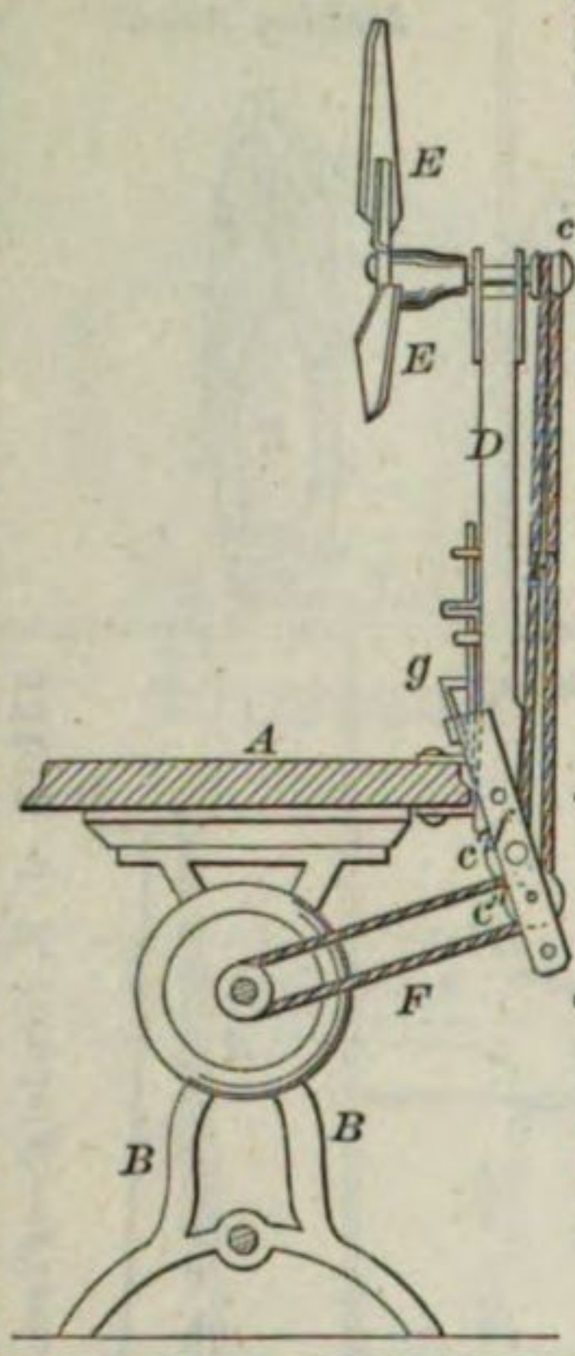
53156—M. H. Lineback—*Corn Planter Cultivator.*



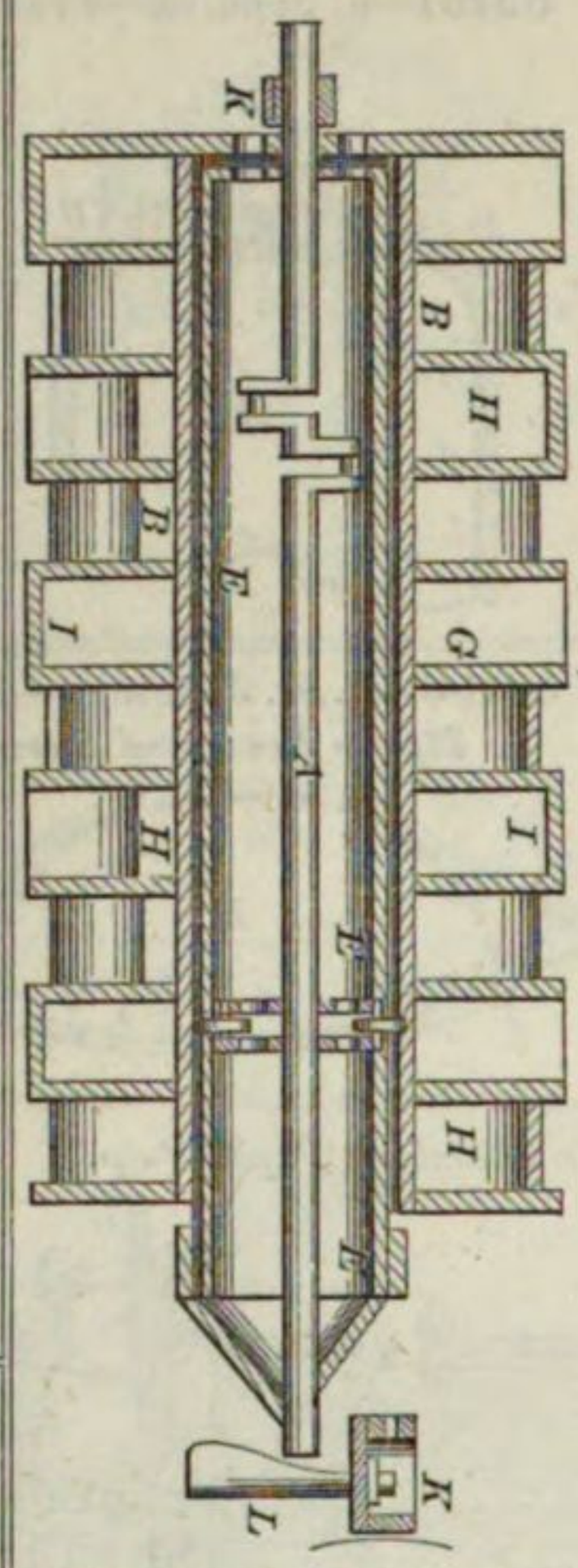
53157—J. Lippincott—*Saw.*



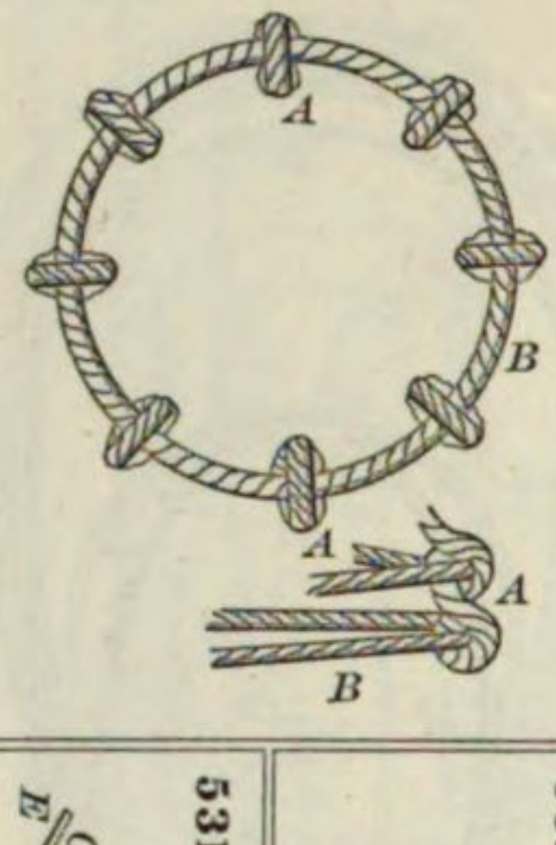
53158—T. R. Lovett—*Fan Attachment for Sewing Machines.*



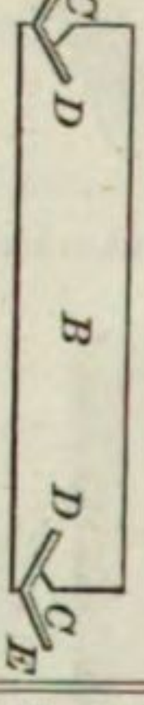
53160—D. F. Masnata—*Rotary Steam Ship.*



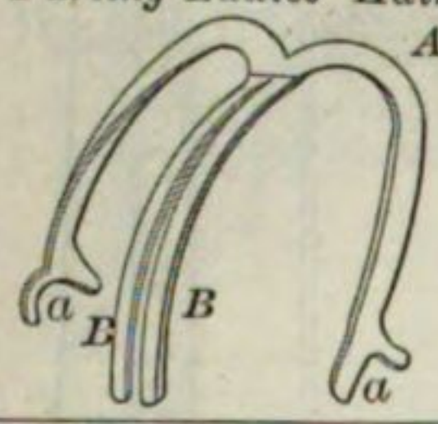
53161—McAuley & Cheney—*Covering for Hose.*



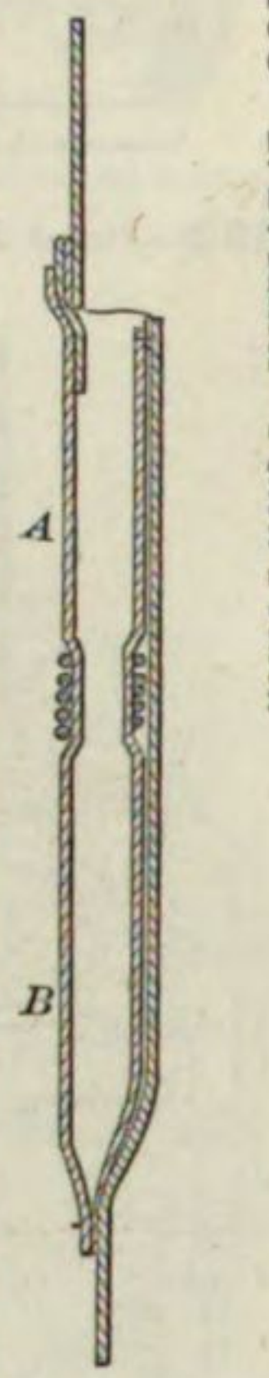
53162—J. McVay—*Roofing.*



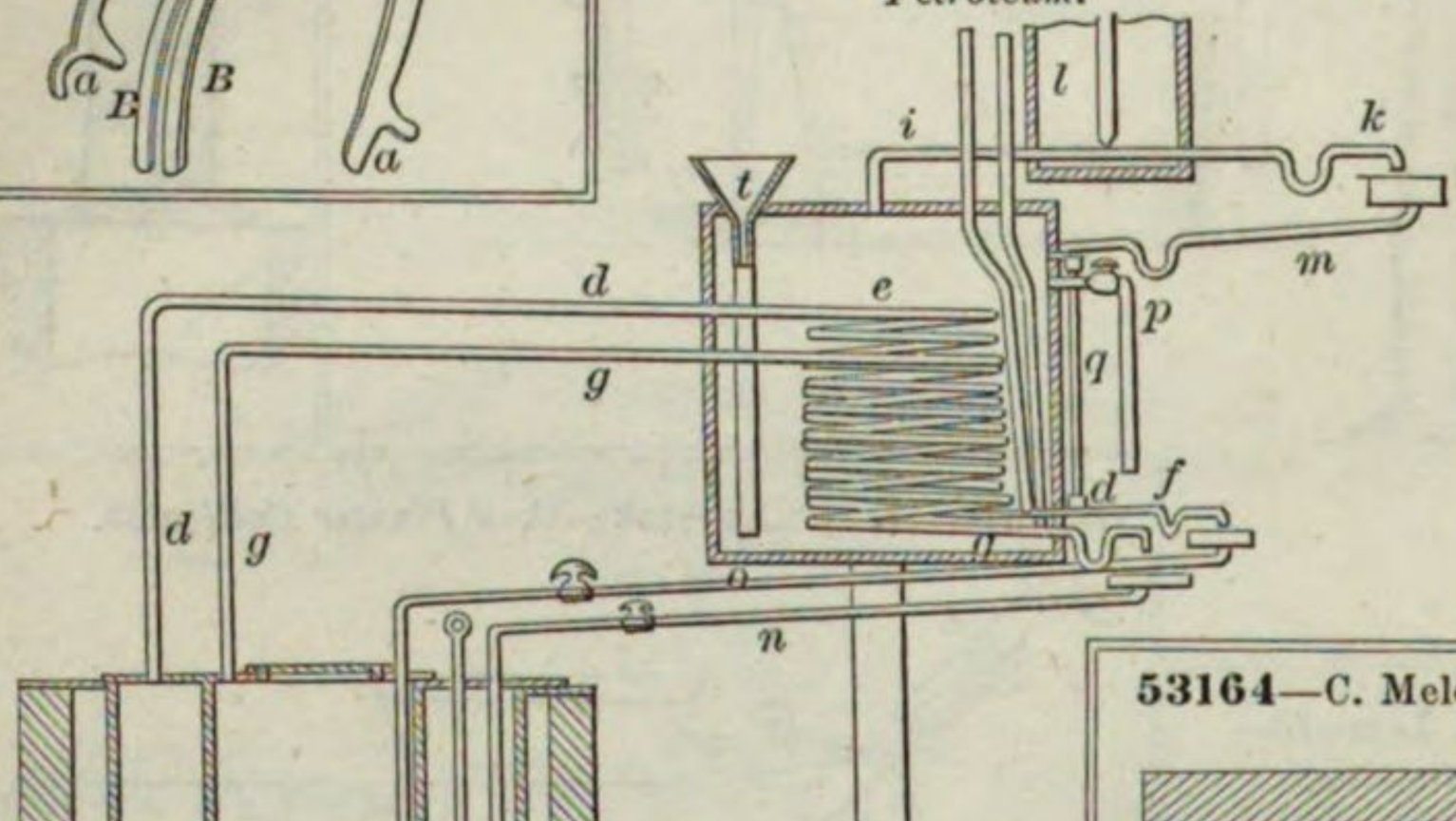
53163—J. L. Meek—*For Parting Ladies' Hair.*



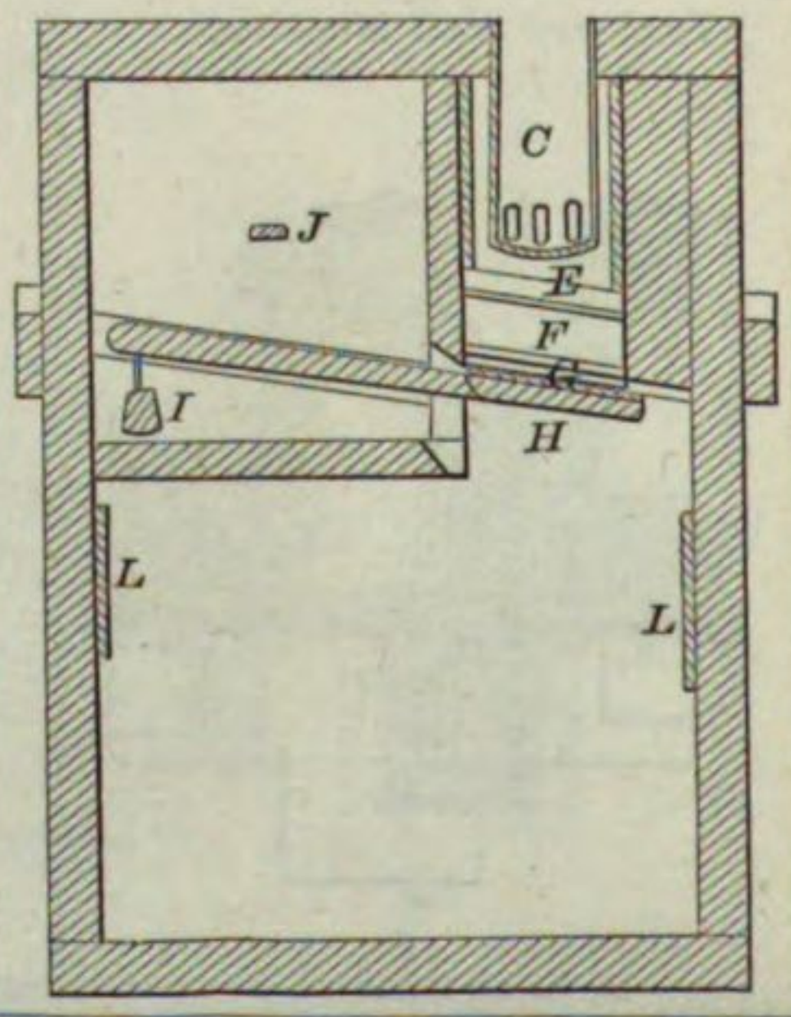
53166—T. D. Miller—*Pencil Pocket.*



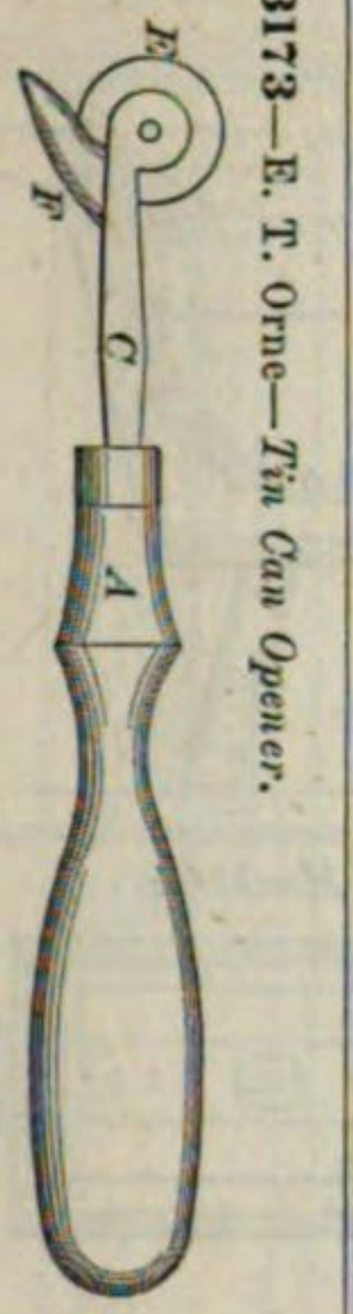
53167—A. Millochau—*Distillation of Petroleum.*



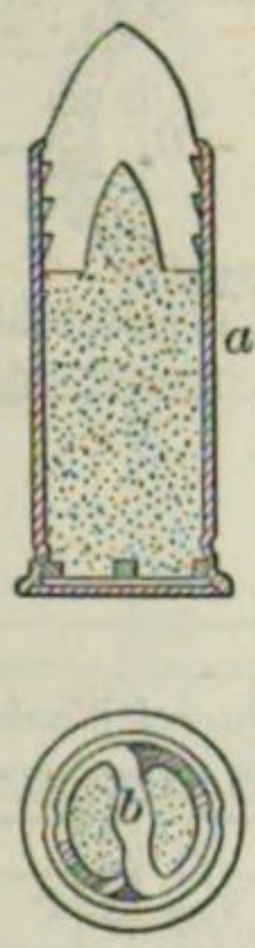
53164—C. Melone—*Animal Trap.*



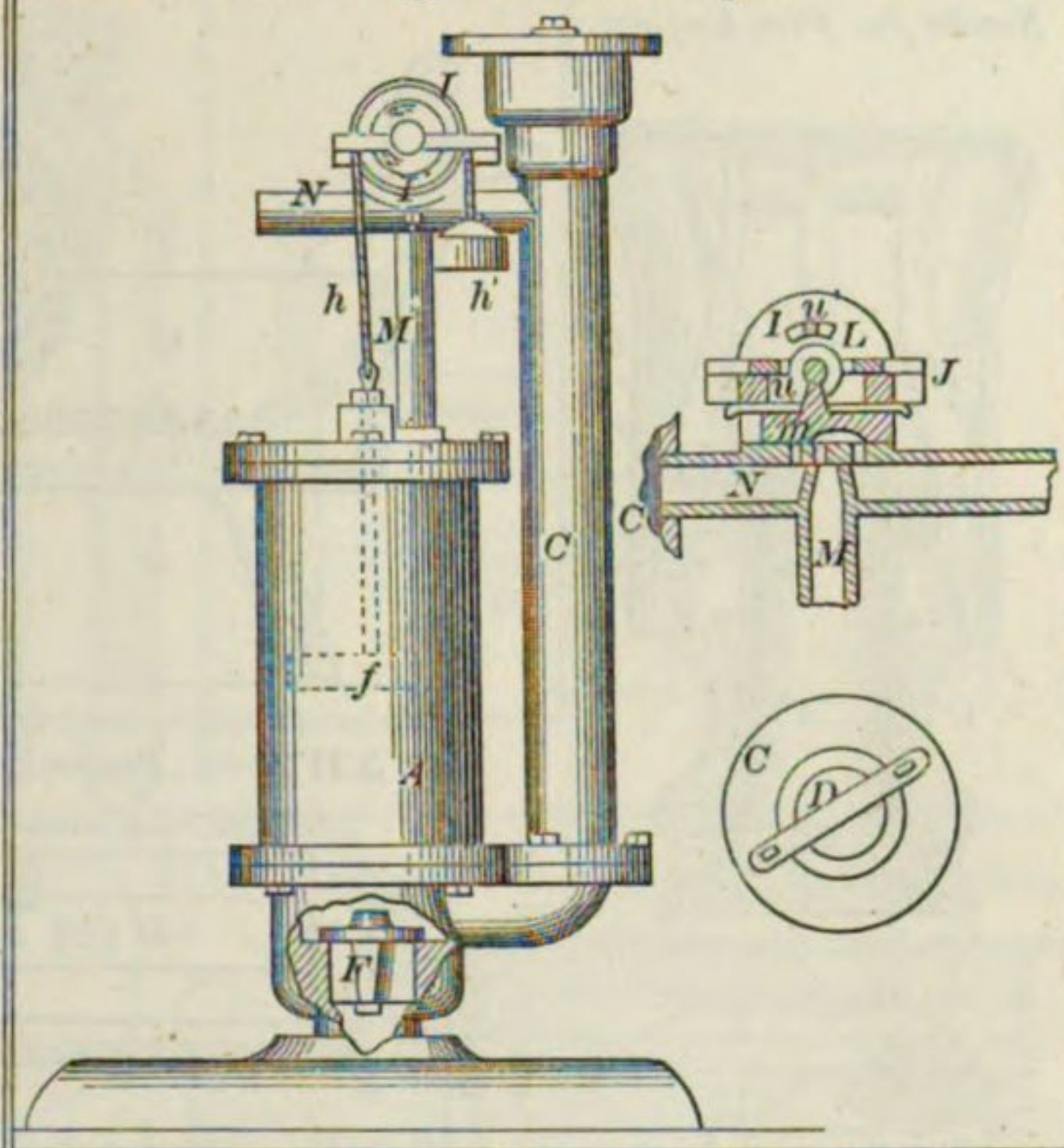
53173—E. T. Orne—*Tin Can Opener.*



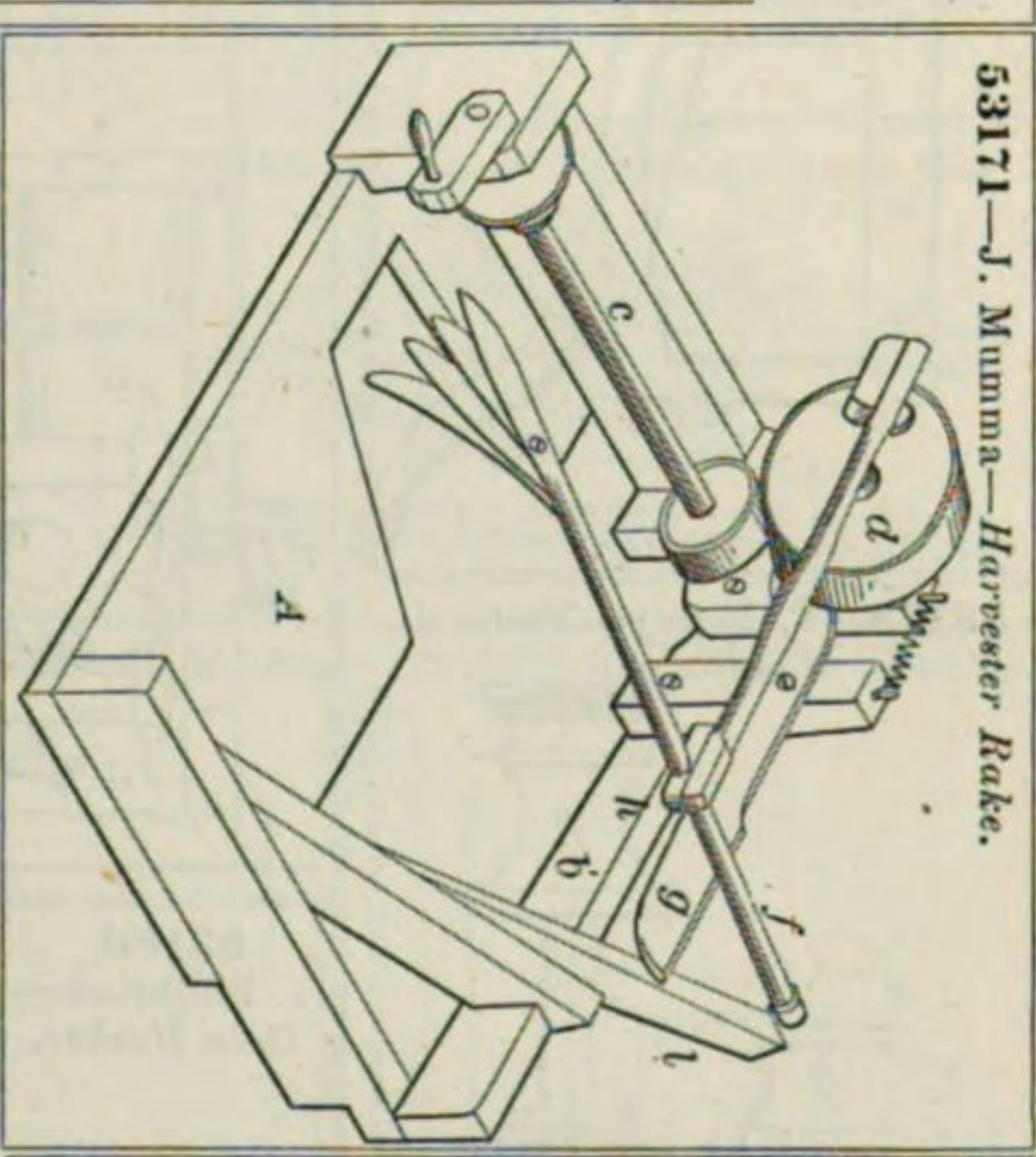
53168—A. Moffatt—*Priming Cartridge.*



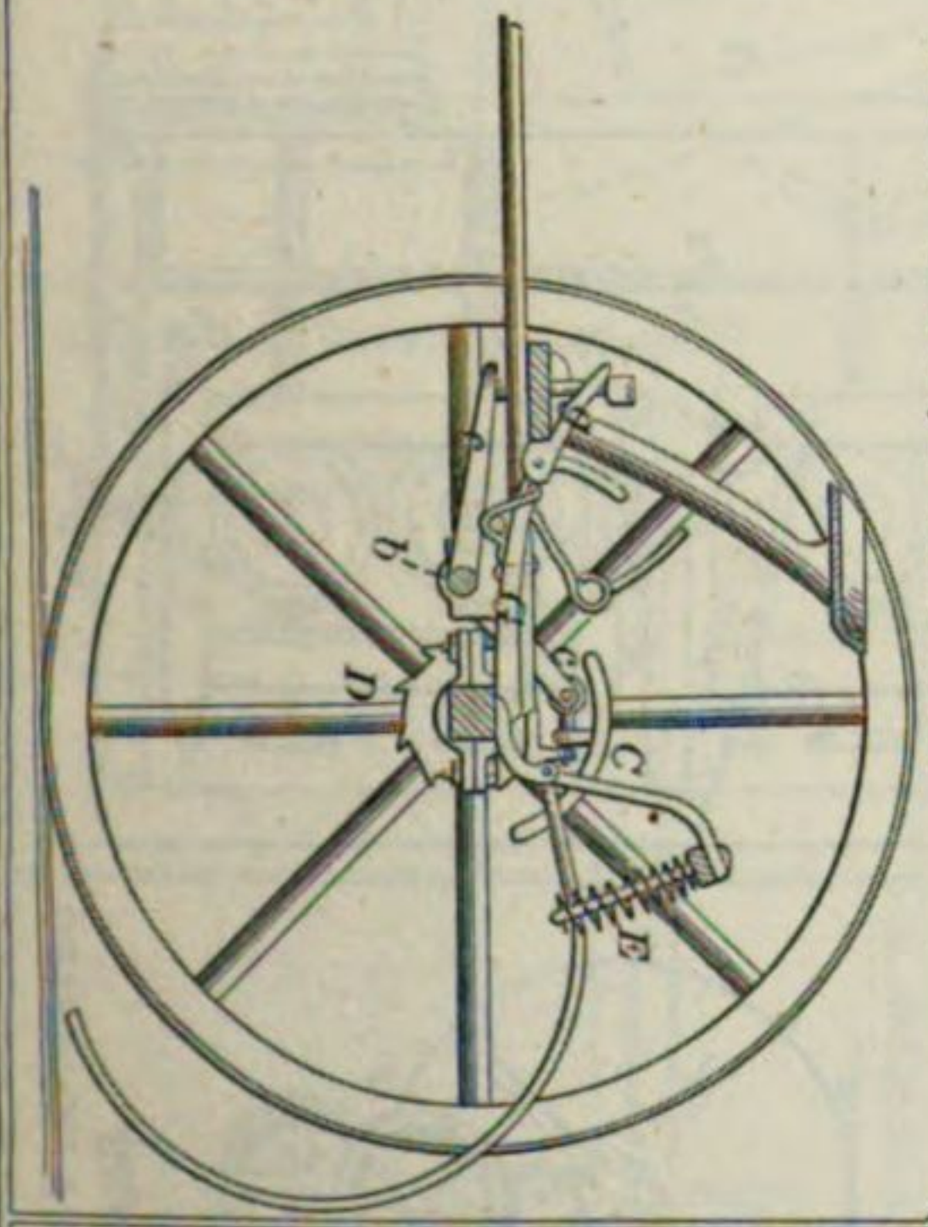
53170—J. C. Morgan—*Steam Pump.*



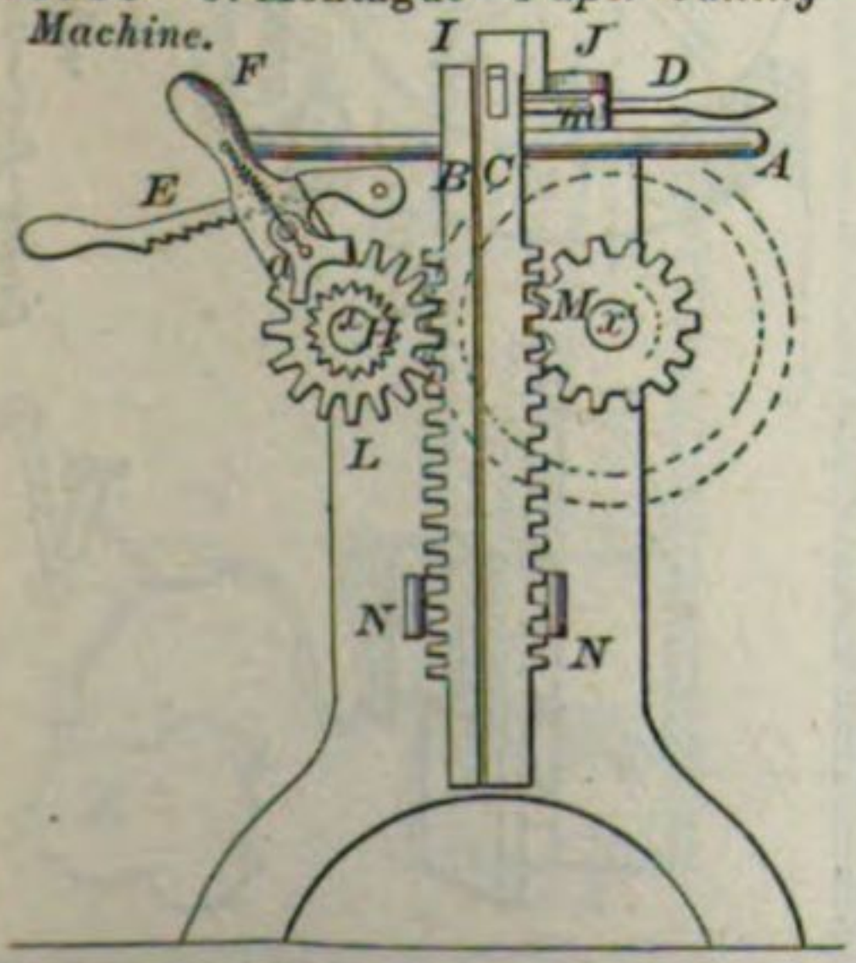
53171—J. Mumma—*Harvester Rake.*



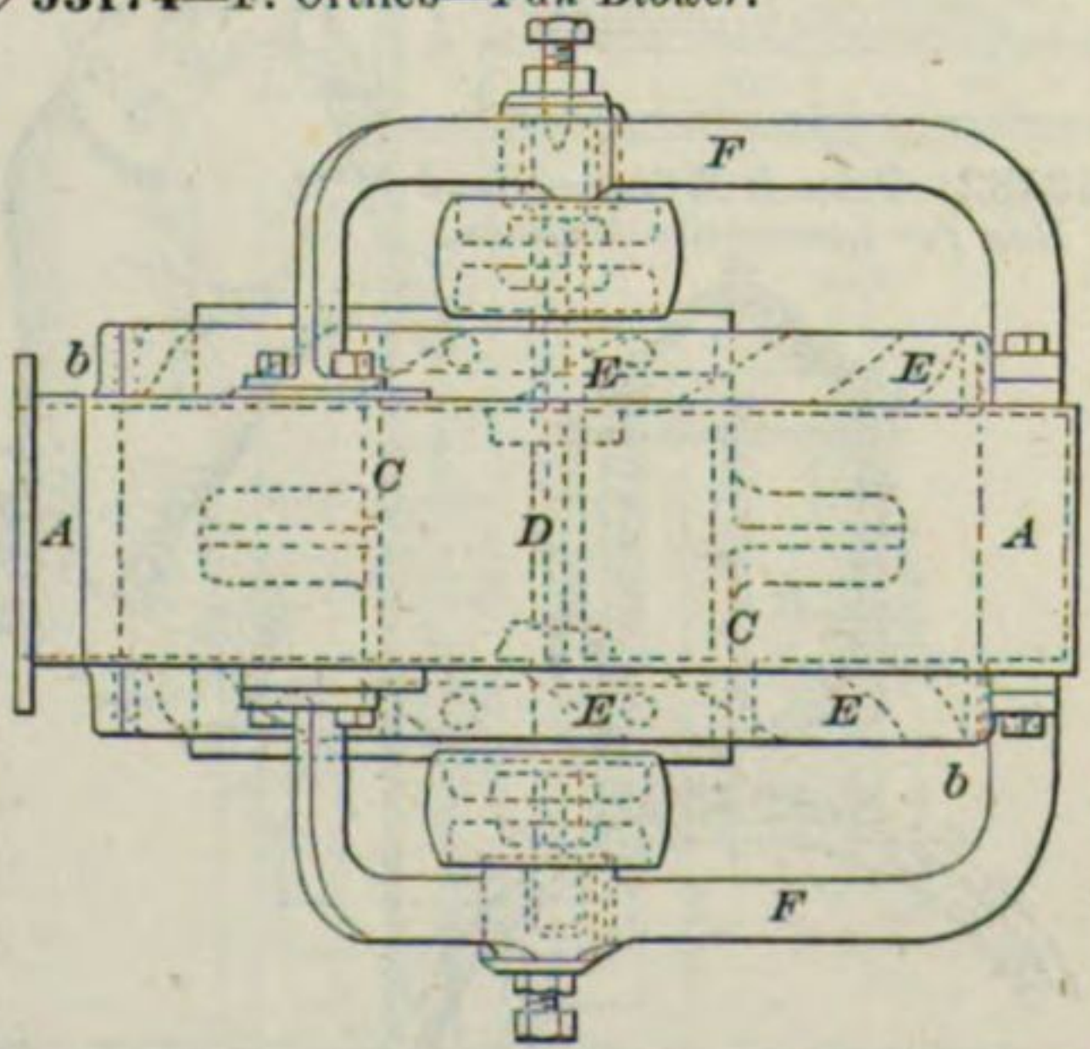
53172—S. R. Nye—*Horse Rake.*



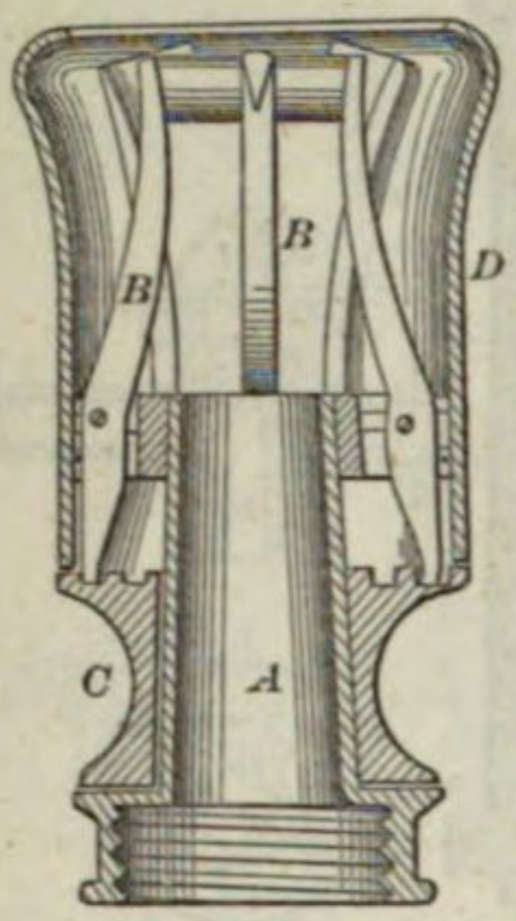
53169—C. Montague—*Paper Cutting Machine.*



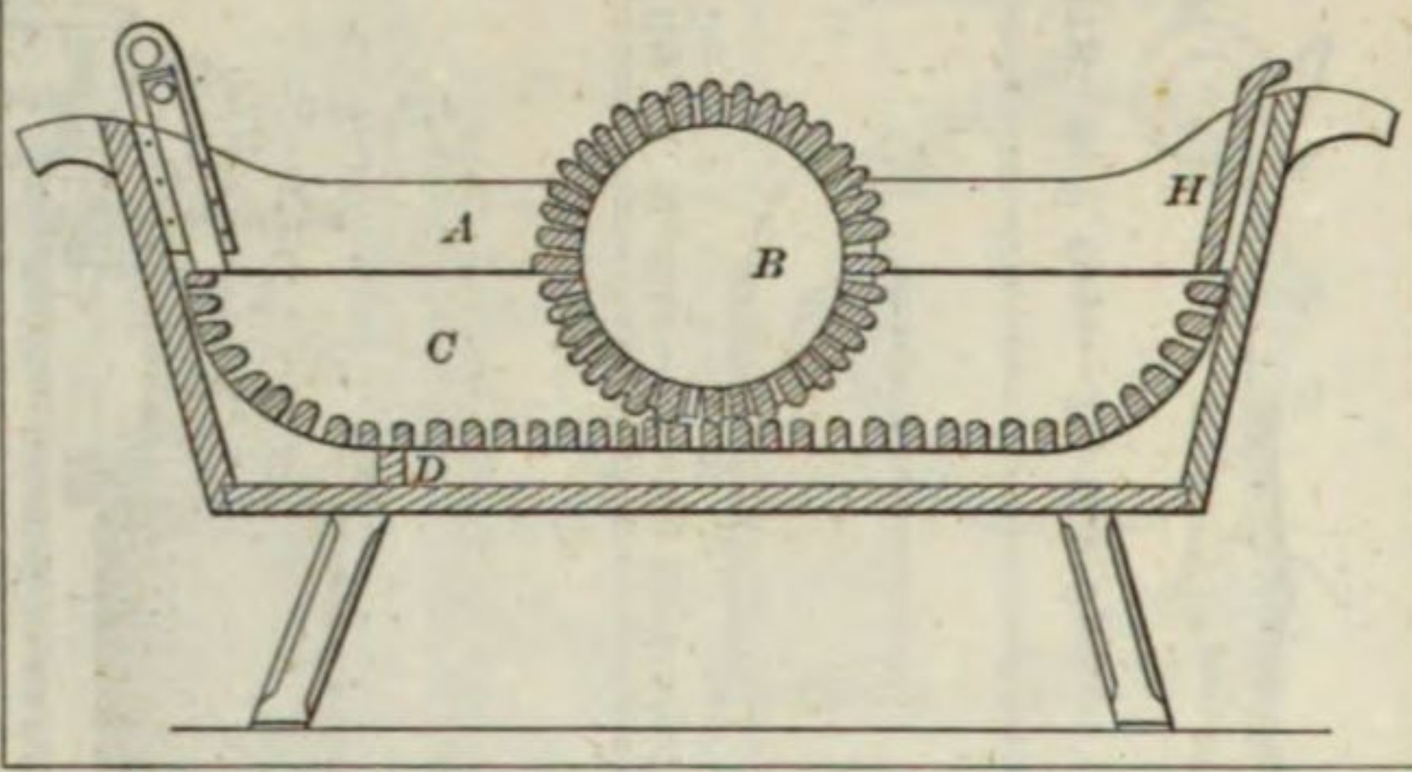
53174—F. Ortlieb—*Fan Blower.*



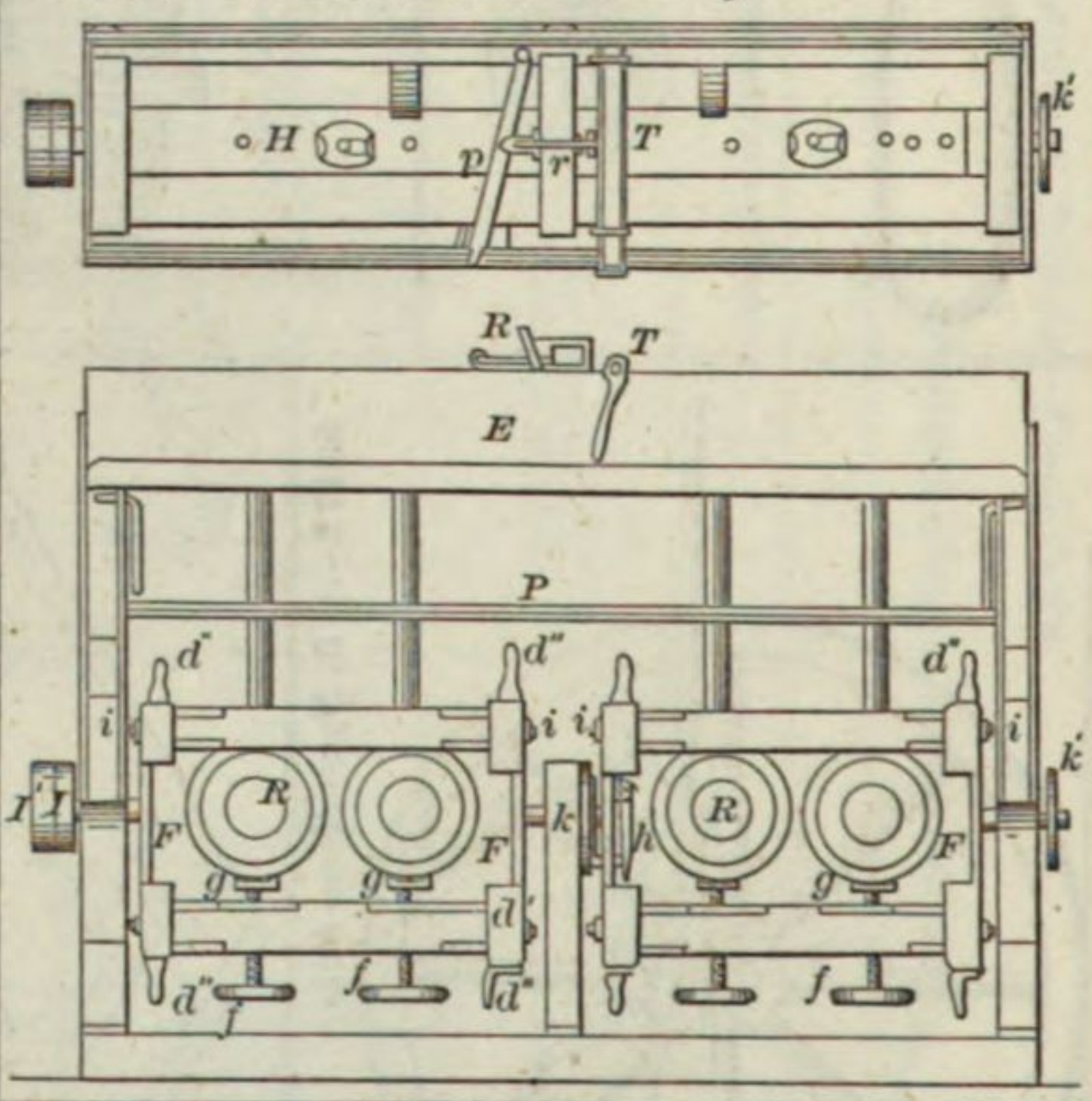
53175—C. Oyston—*Nozzle for Fire Engines.*



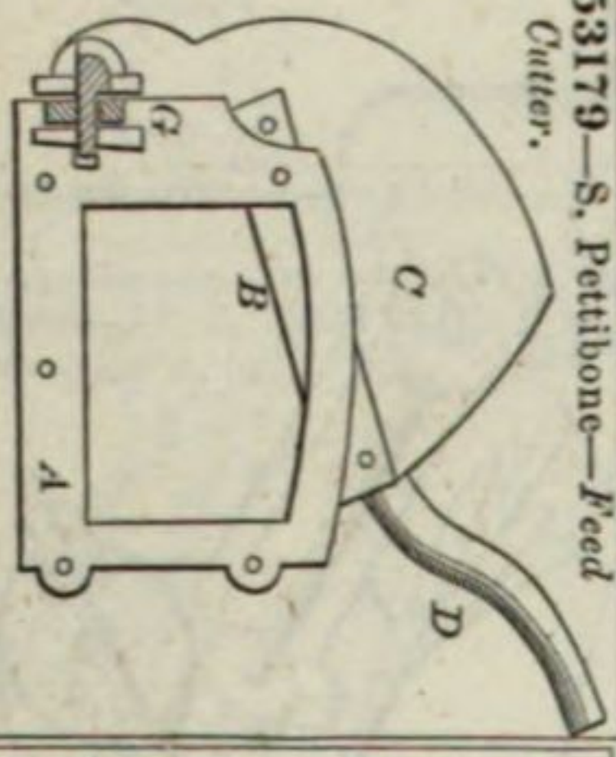
53176—E. C. Patterson—*Washing and Wringing Machine.*



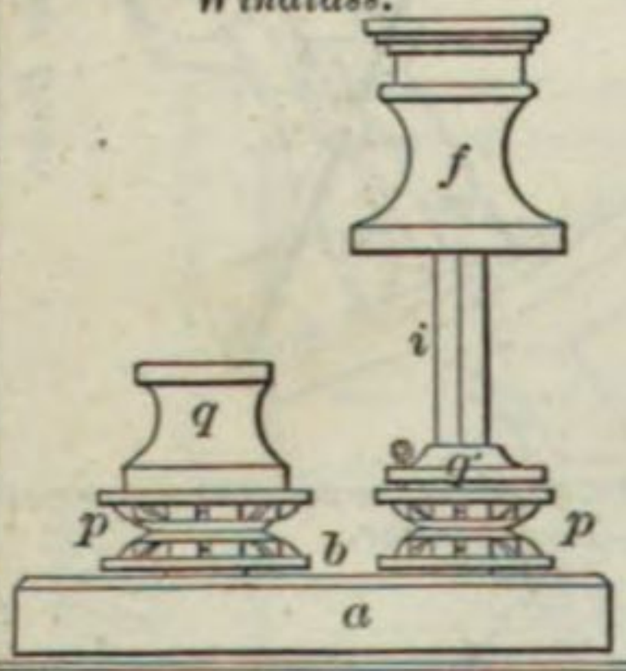
53177—J. Peacock—*Barrel Washing Machine.*



53179—S. Pettibone—*Feed Cutter.*

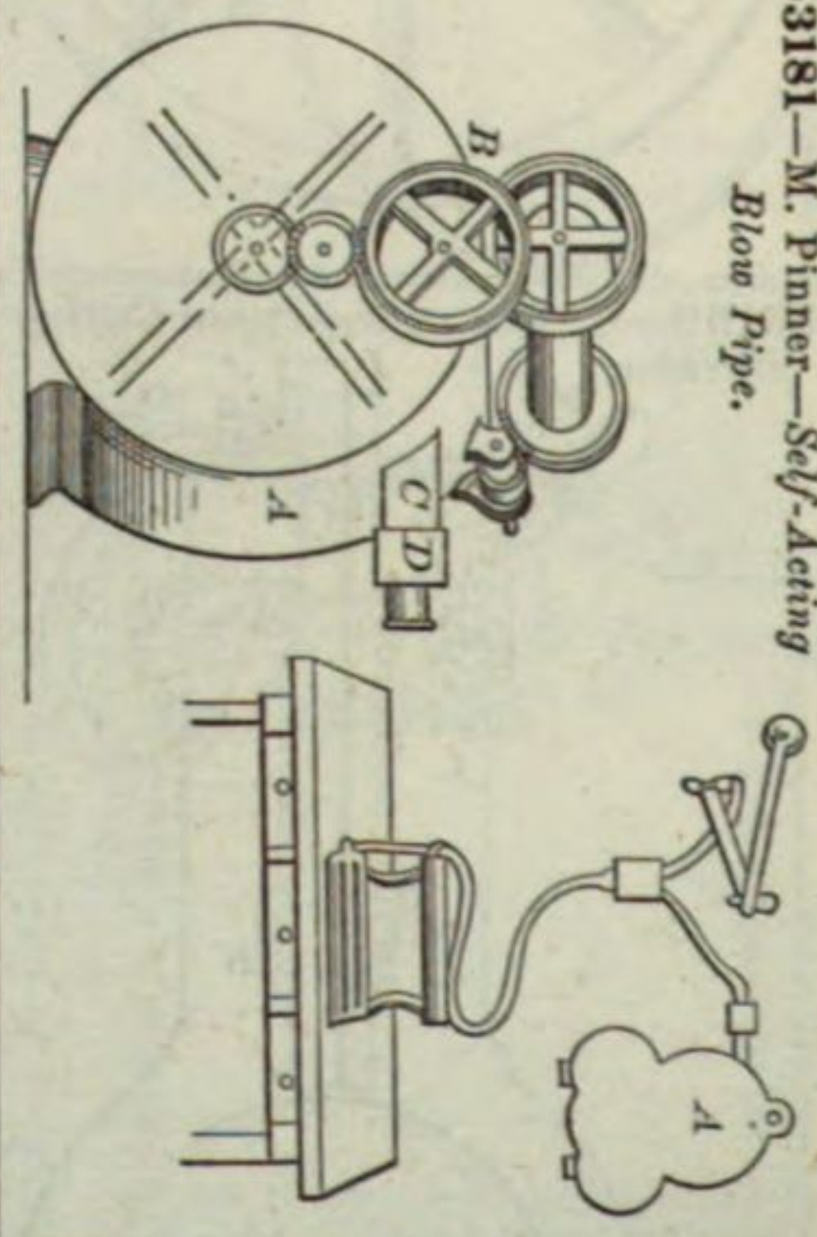


53178—C. Perley—*Vertical Windlass.*

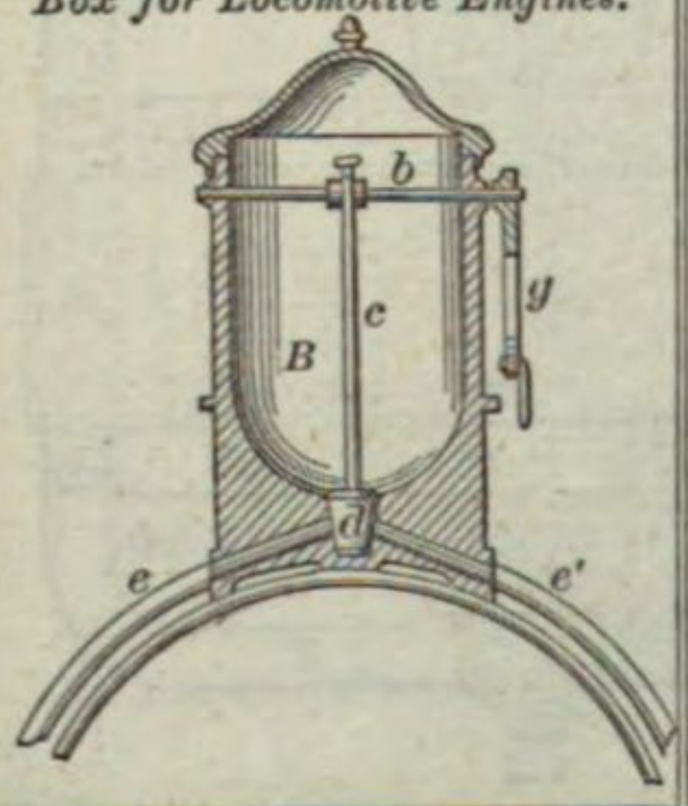


53180
I. Philbrook—
Corn Husker.

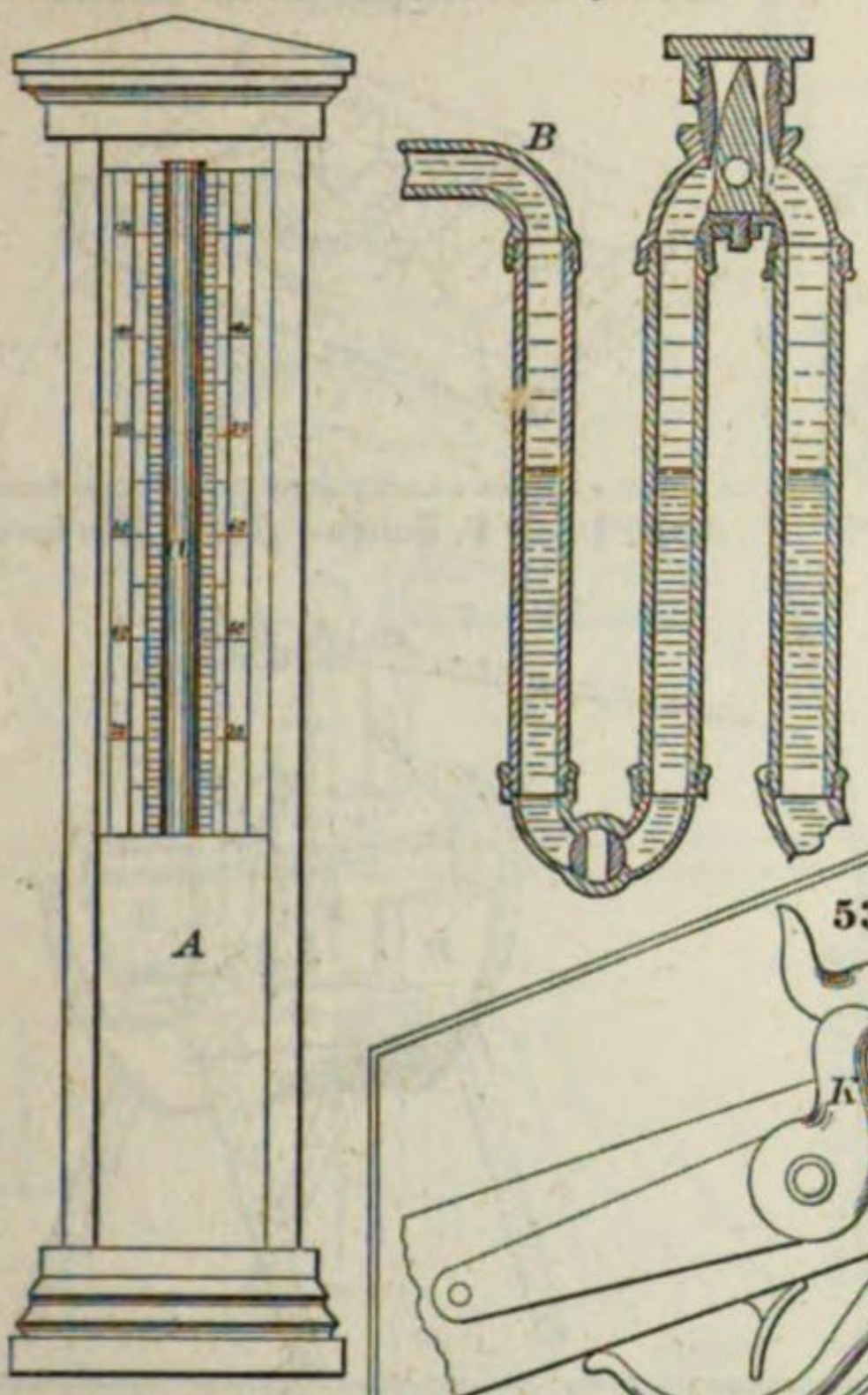
53181—M. Pinner—*Self-Acting Blow Pipe.*



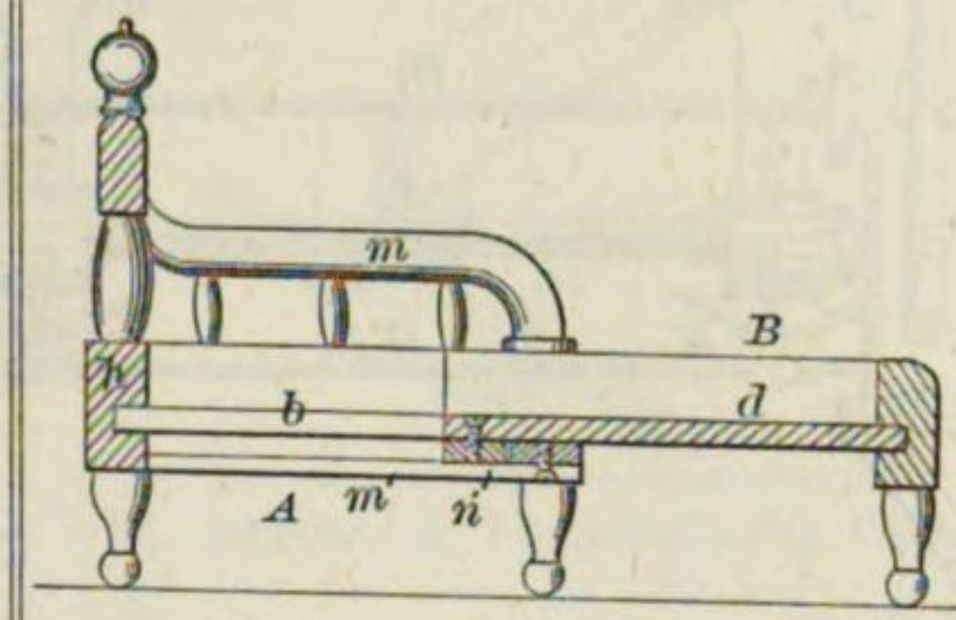
53182—Price & Wilson—*Sand Box for Locomotive Engines.*



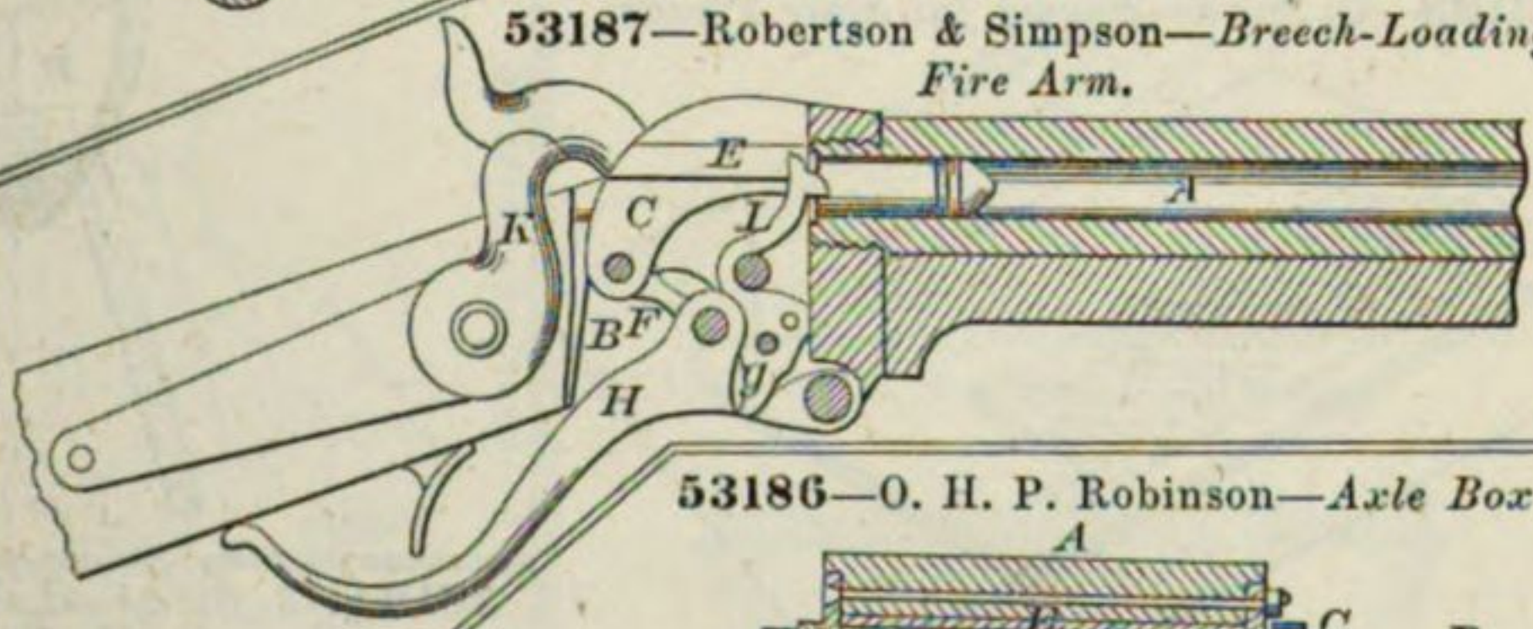
53183—E. Quinn—*Steam Gauge.*



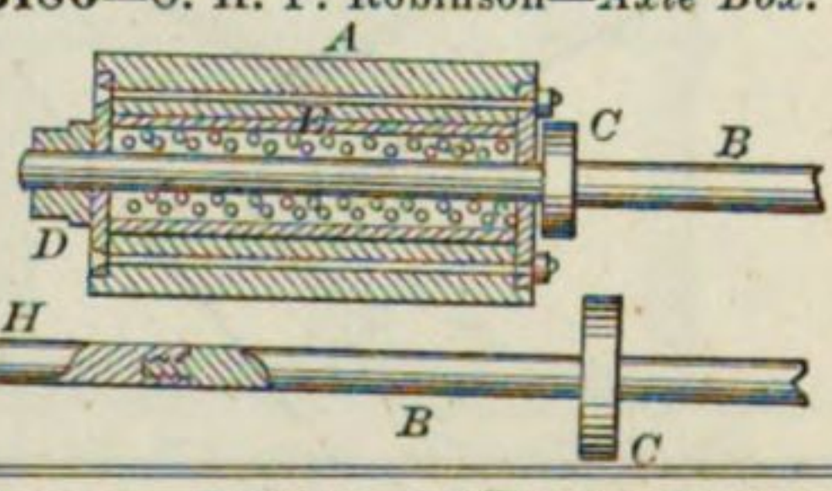
53188—H. S. Rose—*Sofa Bedstead.*



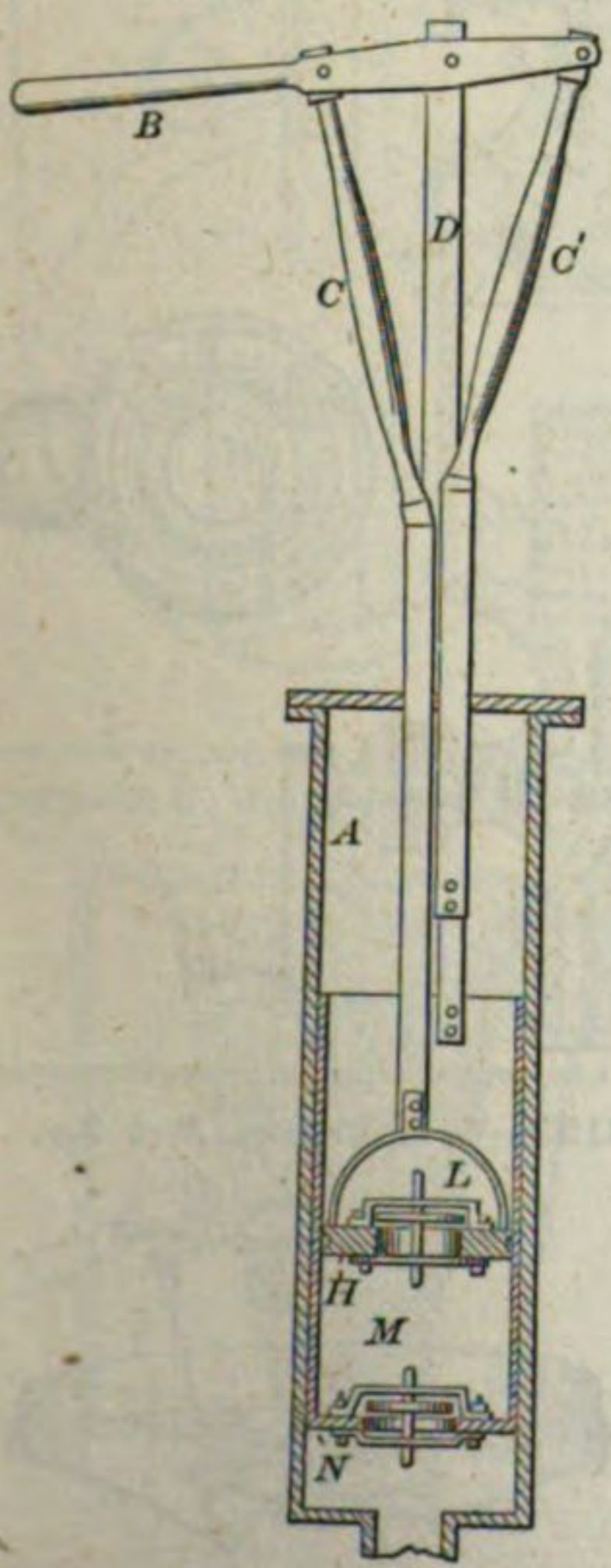
53187—Robertson & Simpson—*Breech-Loading Fire Arm.*



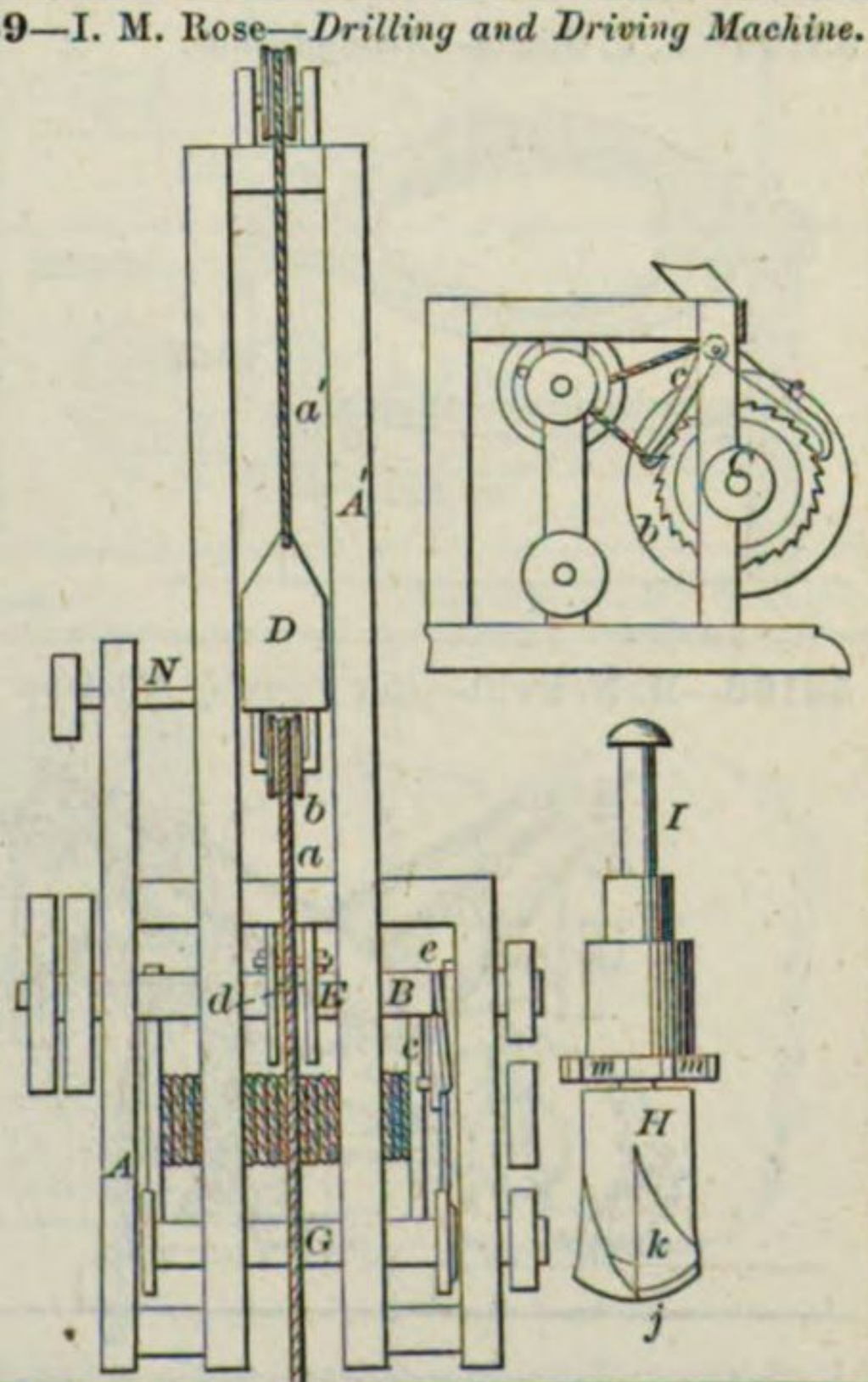
53186—O. H. P. Robinson—*Axle Box.*



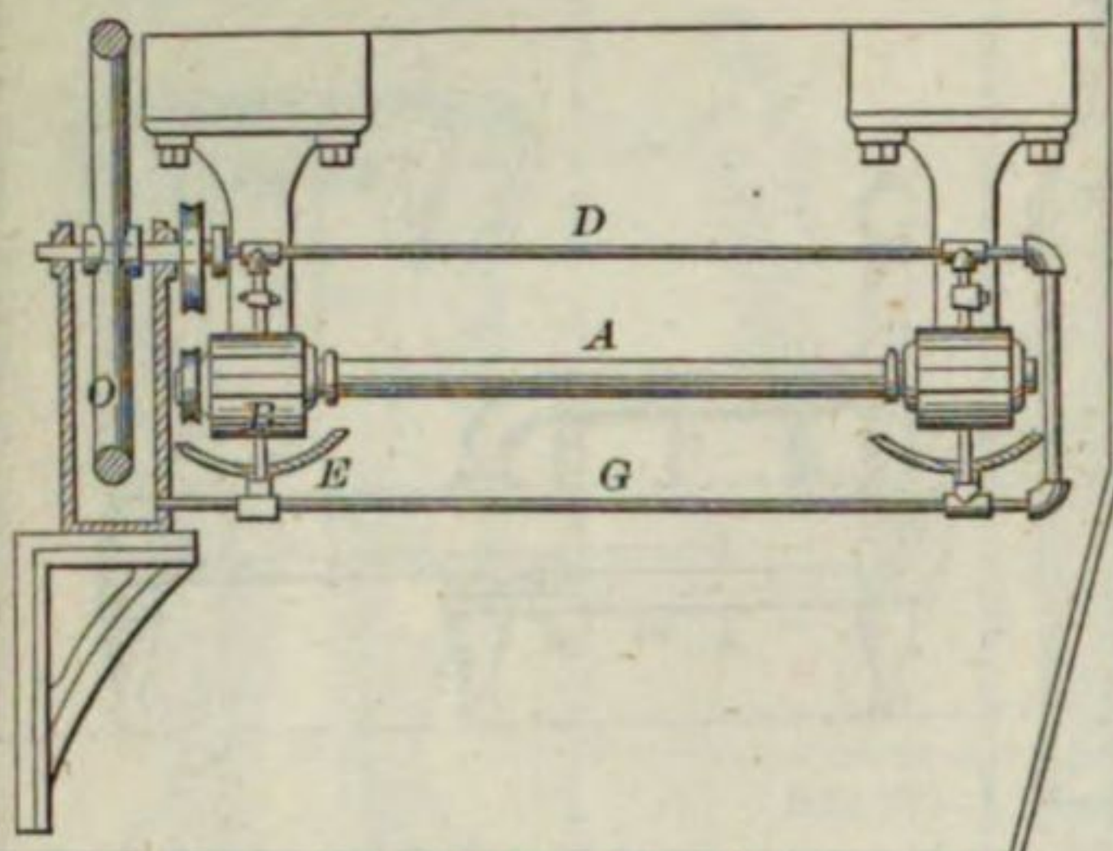
53185—A. Rewerick—*Pump.*



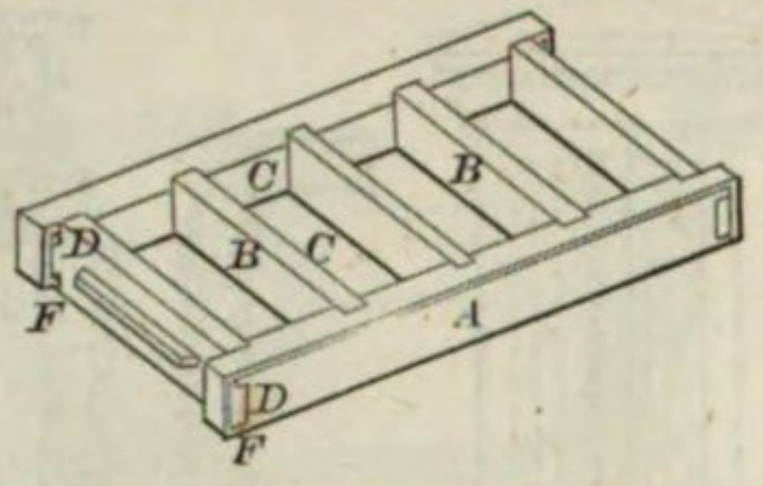
53189—I. M. Rose—*Drilling and Driving Machine.*



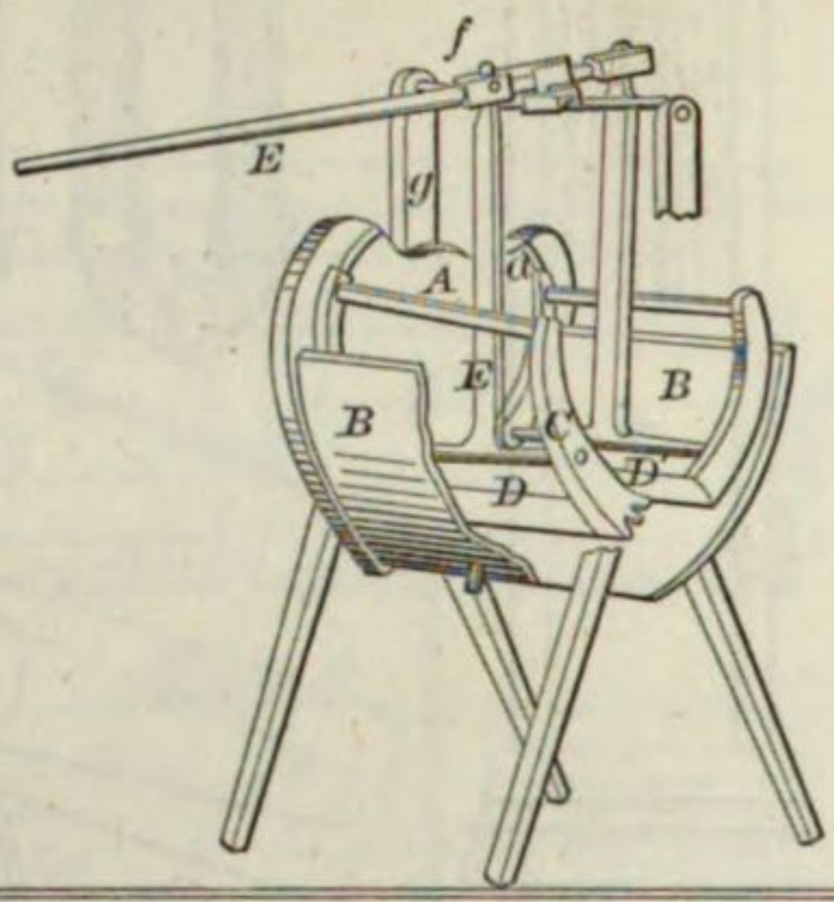
53190—G. Scott—*Lubricator.*



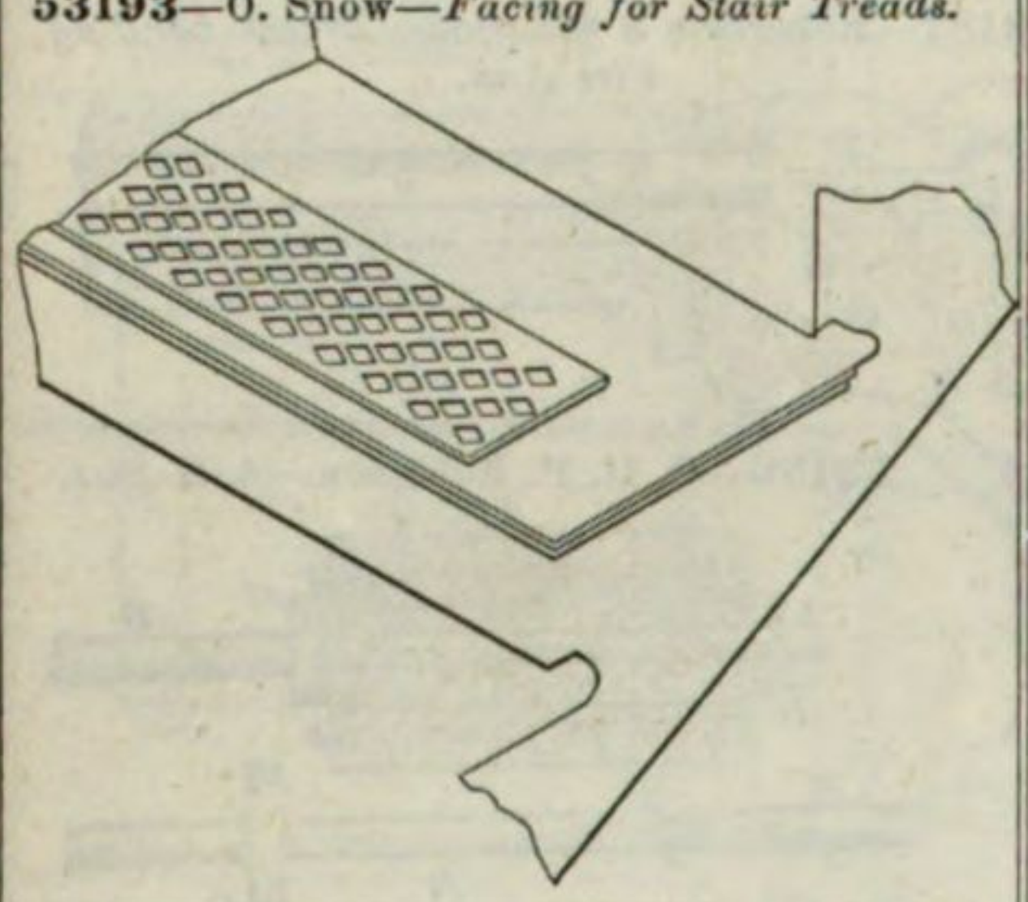
53191—S. Shreffler—*Brick Mould.*



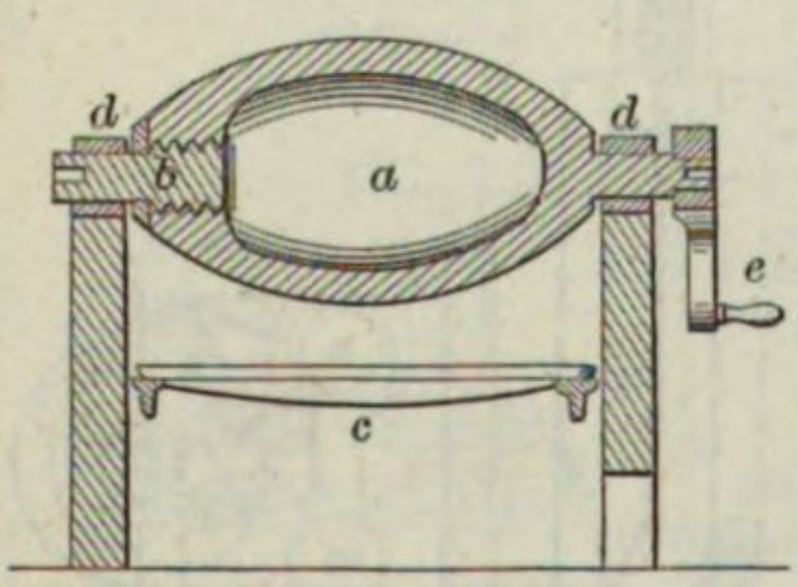
53192—C. F. Smith—*Butter Worker.*



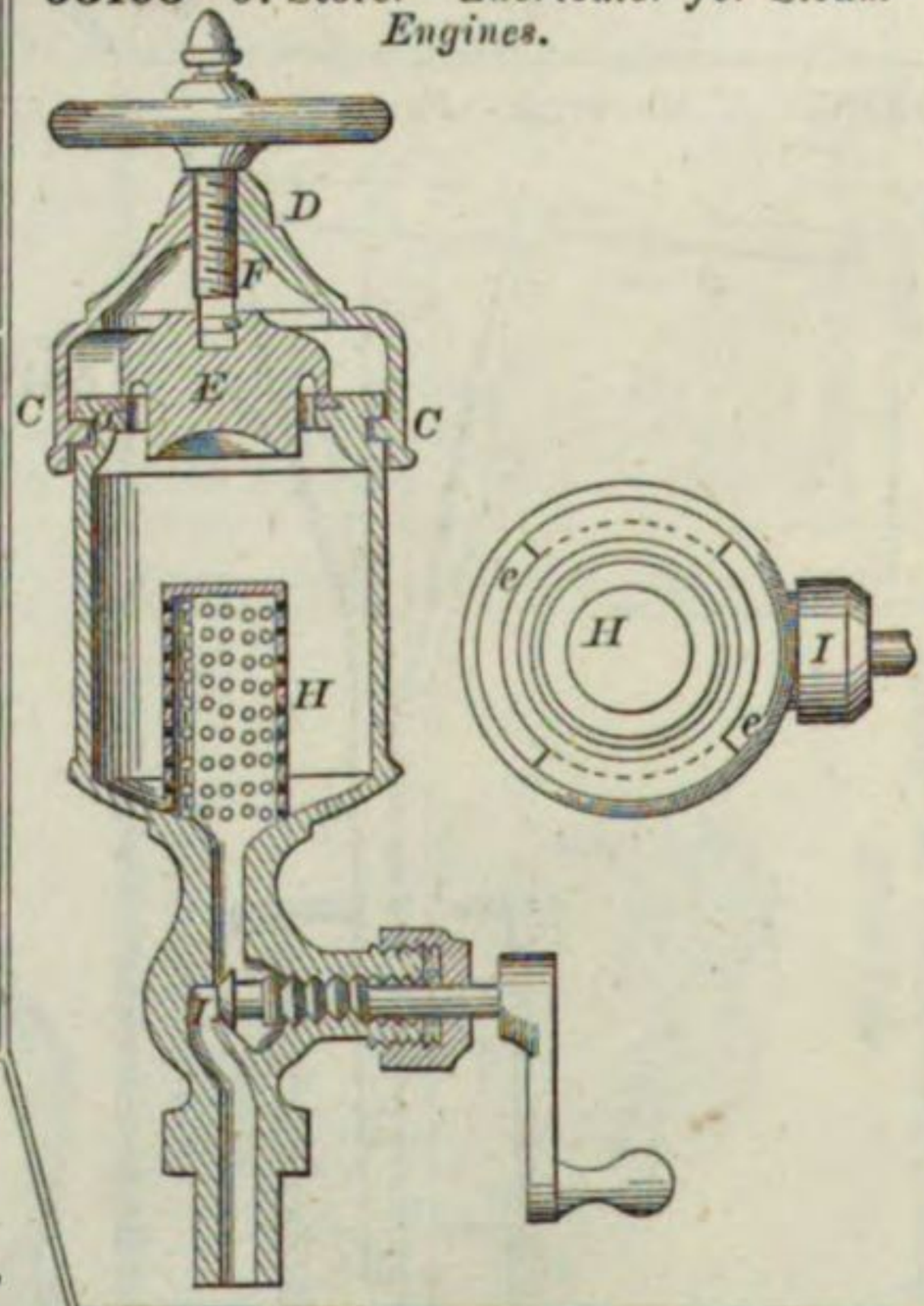
53193—O. Snow—*Facing for Stair Treads.*



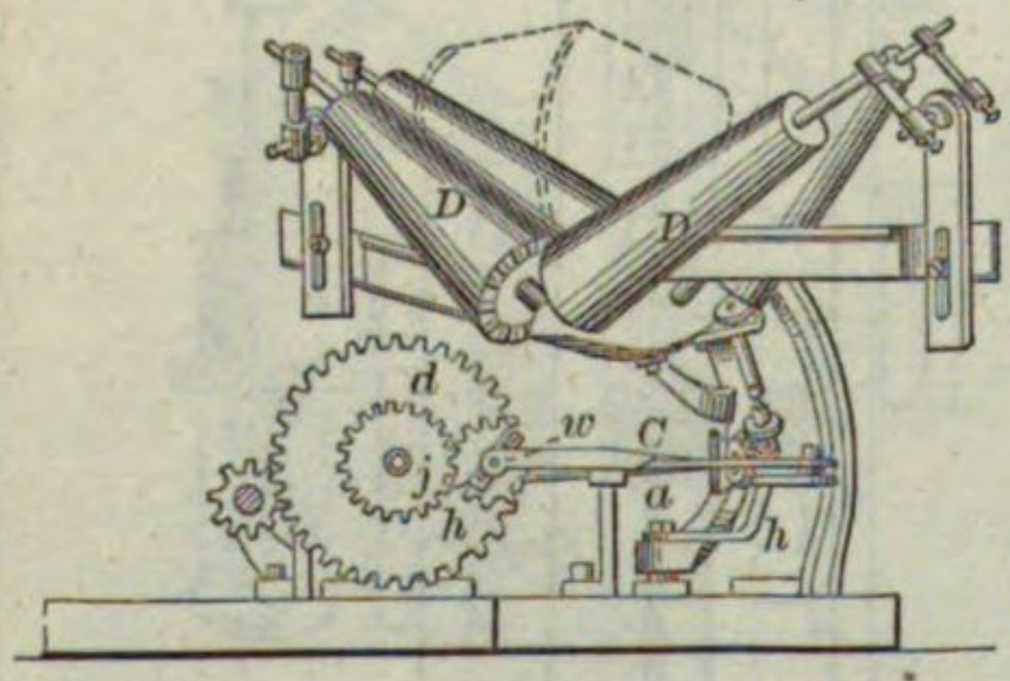
53194—J. F. Staats—*Amalgamator.*



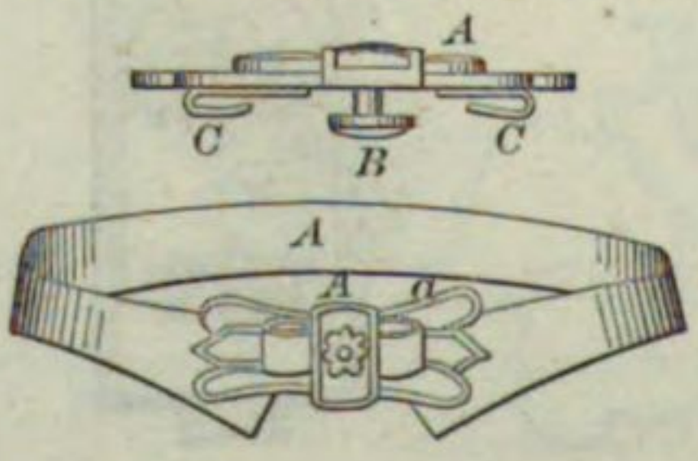
53195—J. Storer—*Lubricator for Steam Engines.*



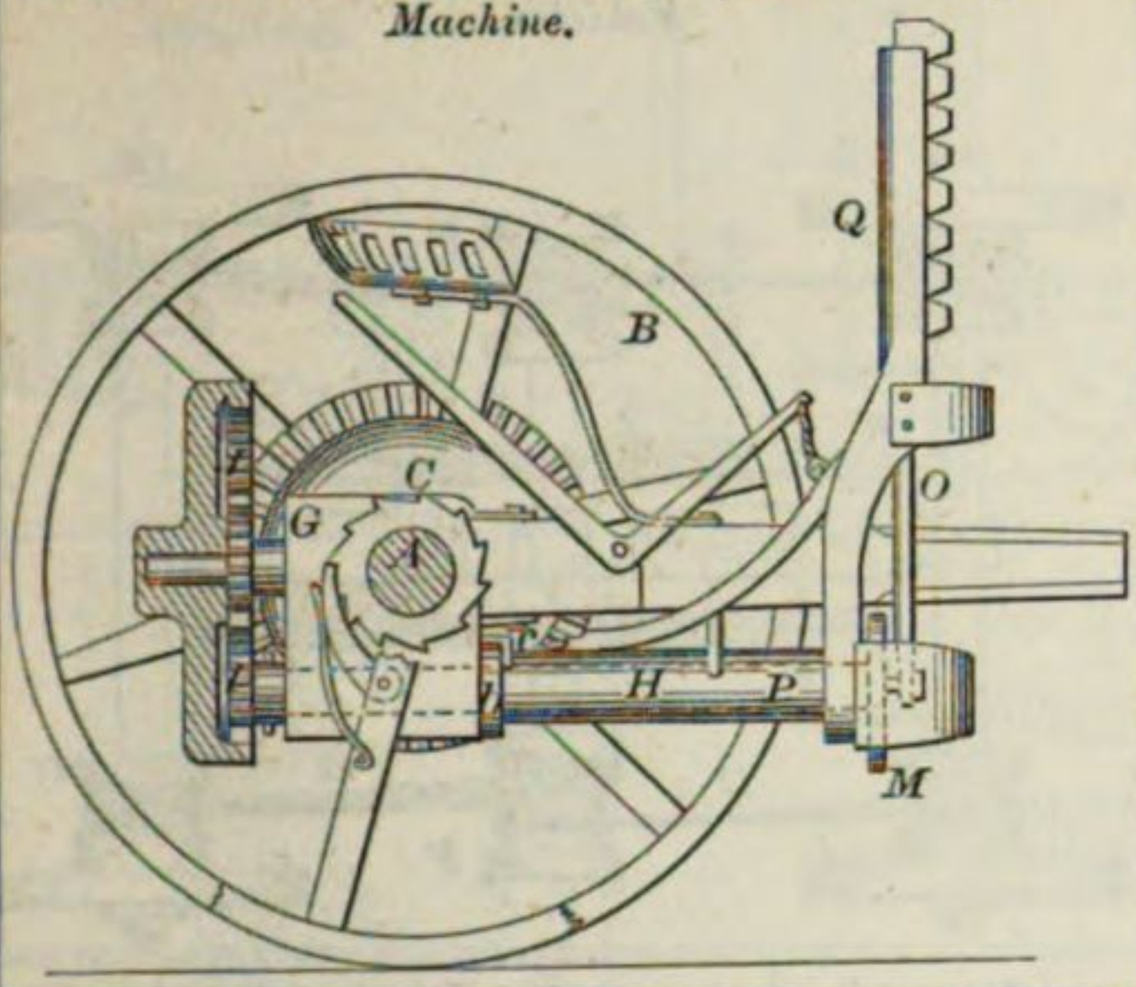
53196—H. N. Swift—*Hat Forming Machine.*



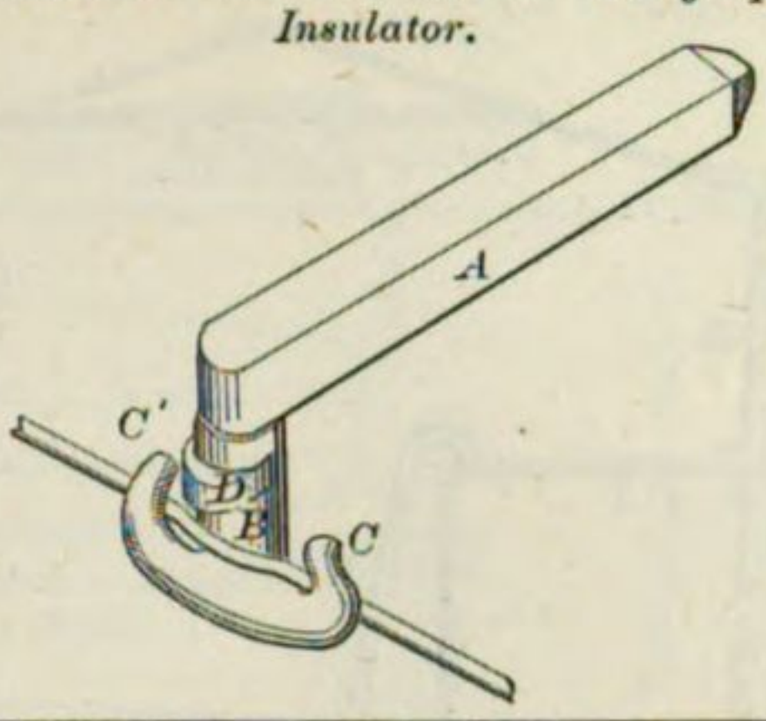
53197—G. B. Taylor—*Neck Tie.*



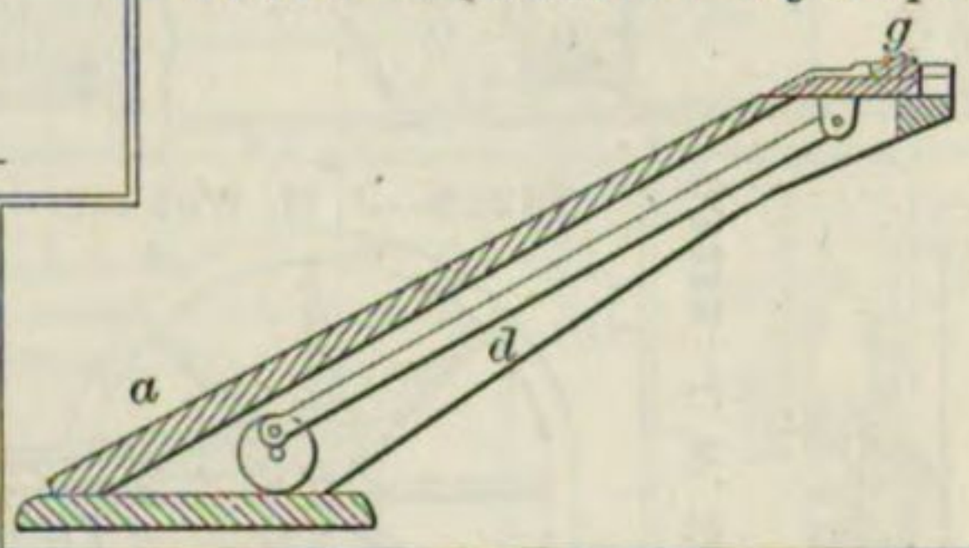
53198—D. H. Thayer—*Reaping and Mowing Machine.*



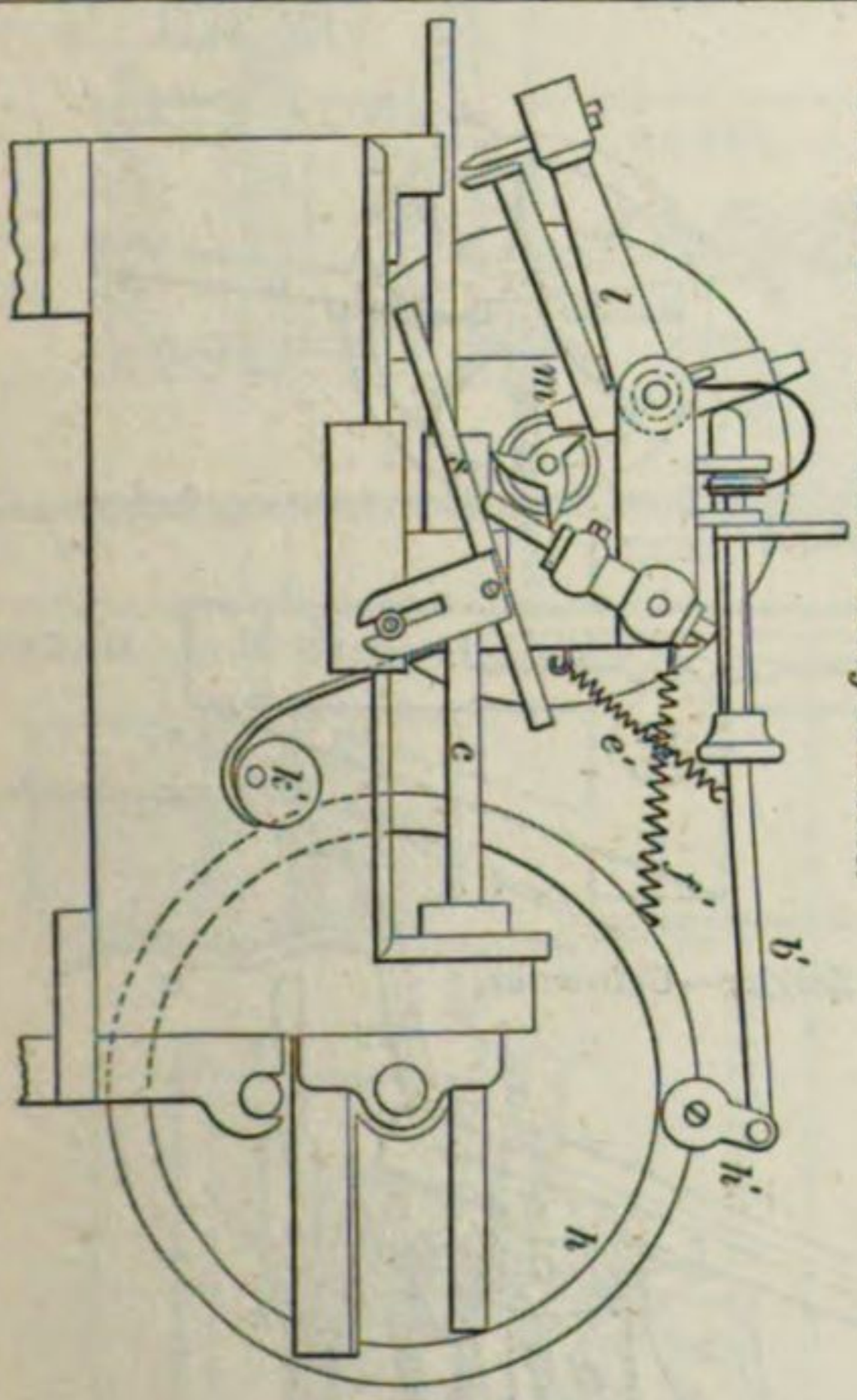
53201—W. W. Waddell—*Telegraph Insulator.*



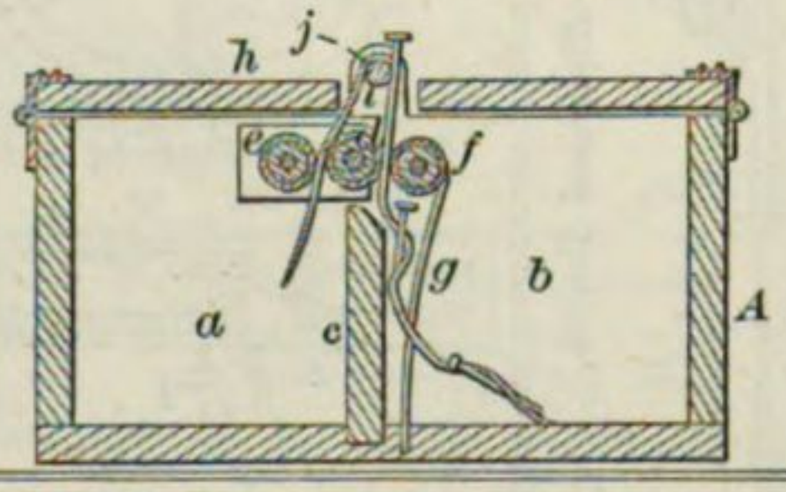
53200—E. Townsend—*Peg Rasper.*



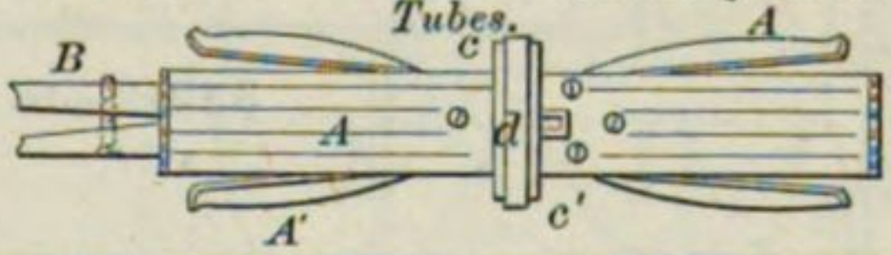
53204—A. Weed—*File Cutting Machine.*



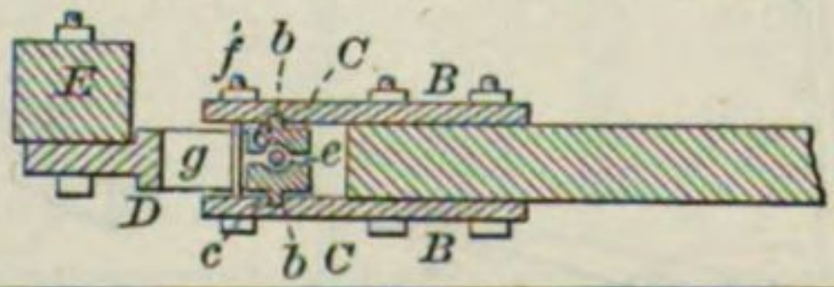
53199—C. L. Topliff—*Pin Feeding.*



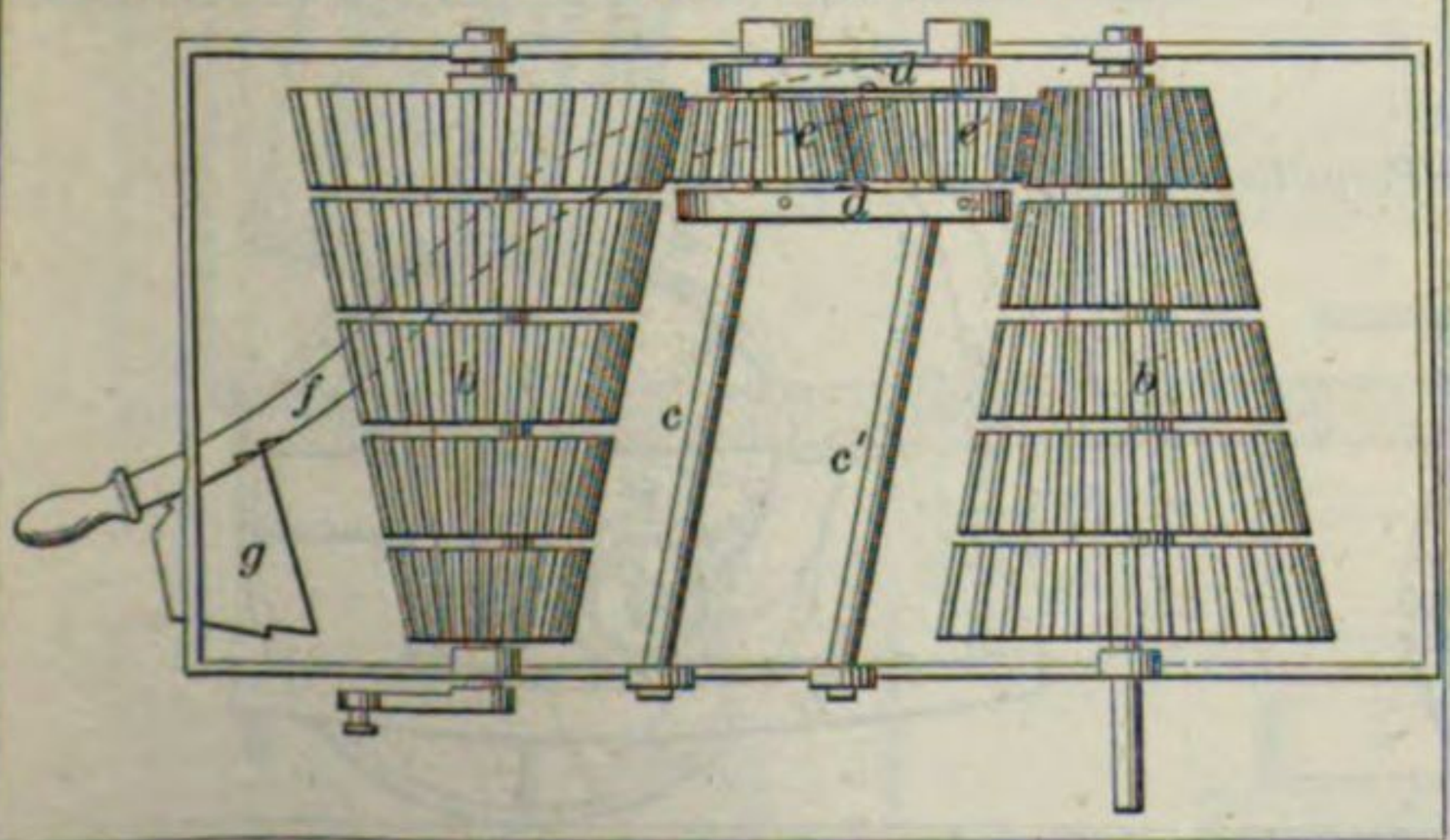
53203—H. Waterman—*Cleaning Boiler Tubes.*



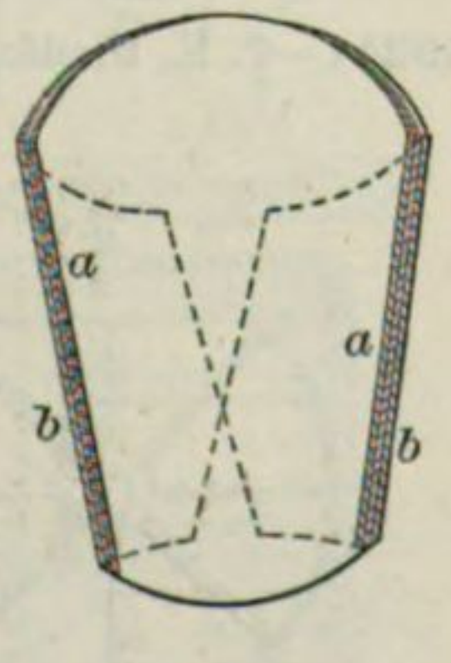
53205—W. S. Weir, Jr.—*Cultivator.*



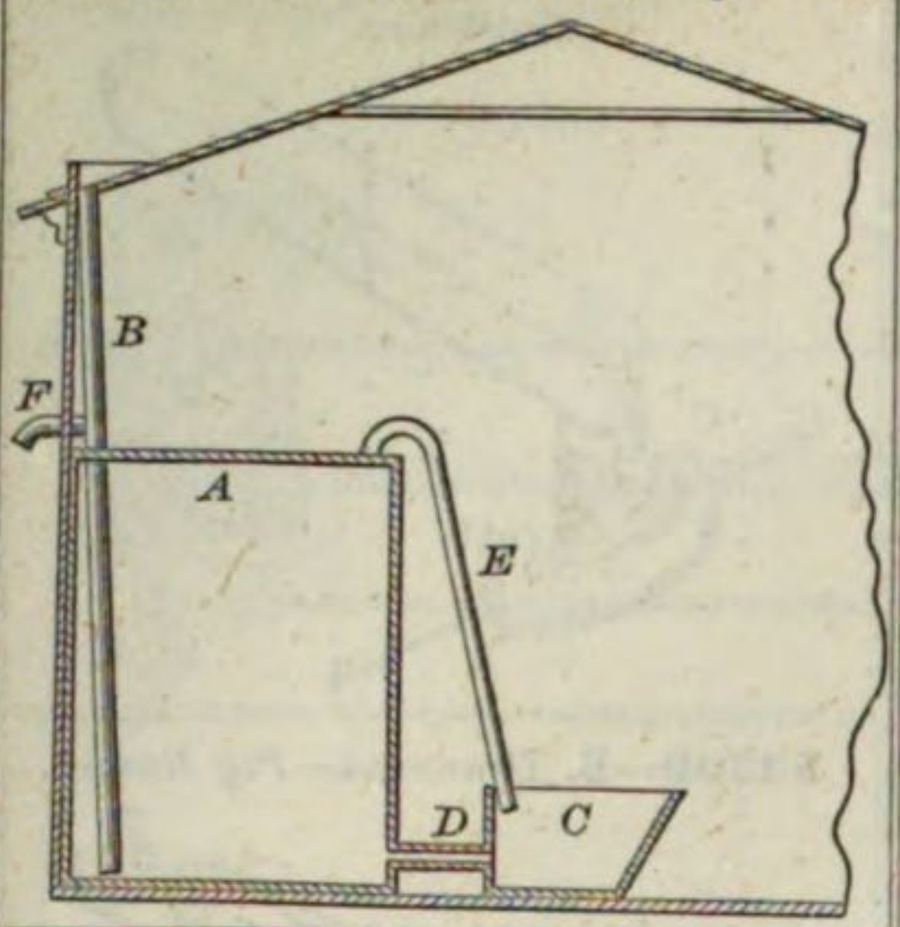
53202—J. H. Wait—*Device for Changing Speed.*



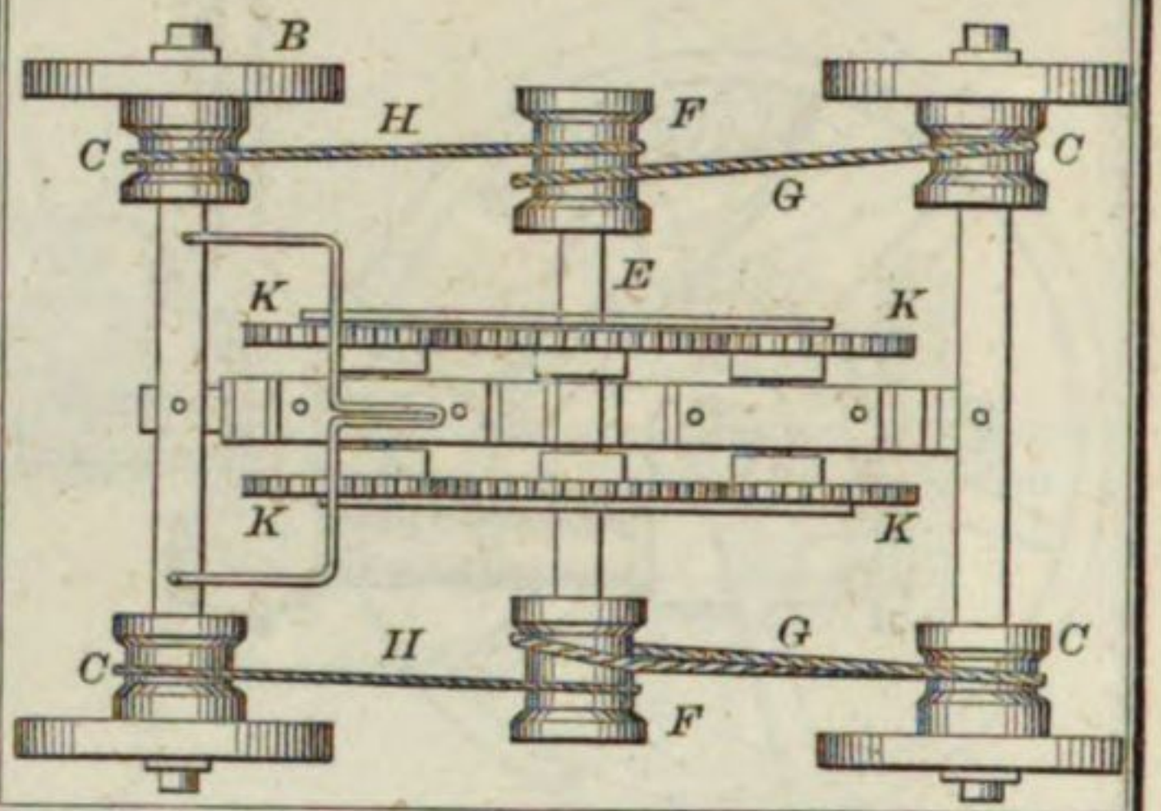
53206—J. W. Weston—*Lining for Artificial Limbs.*



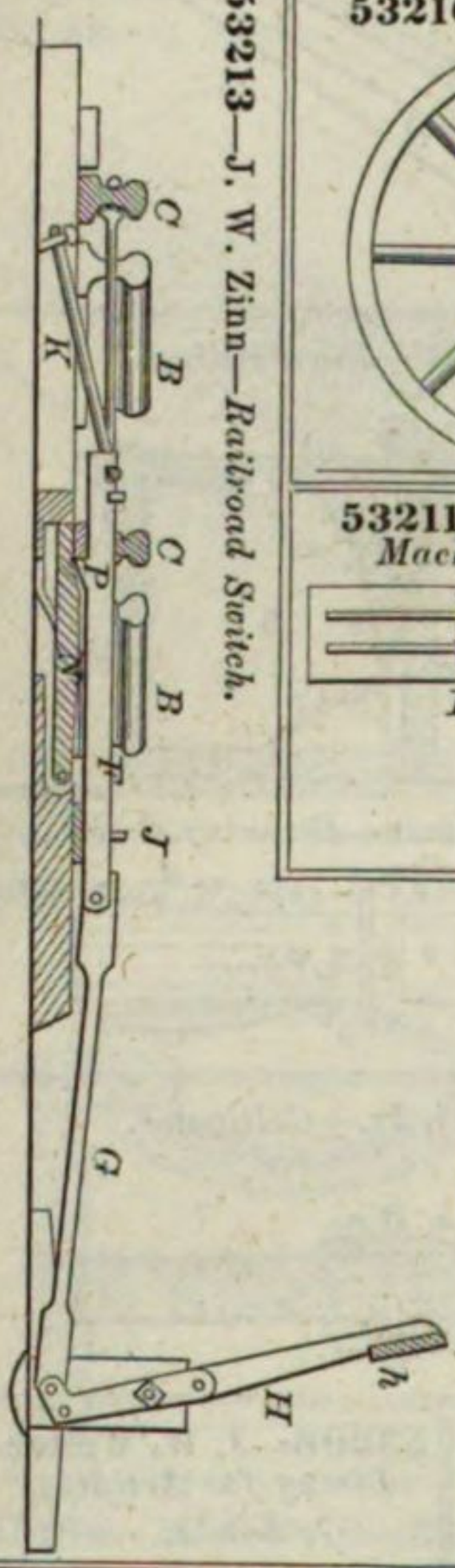
53207—O. Wheedon—*Watering Cattle.*



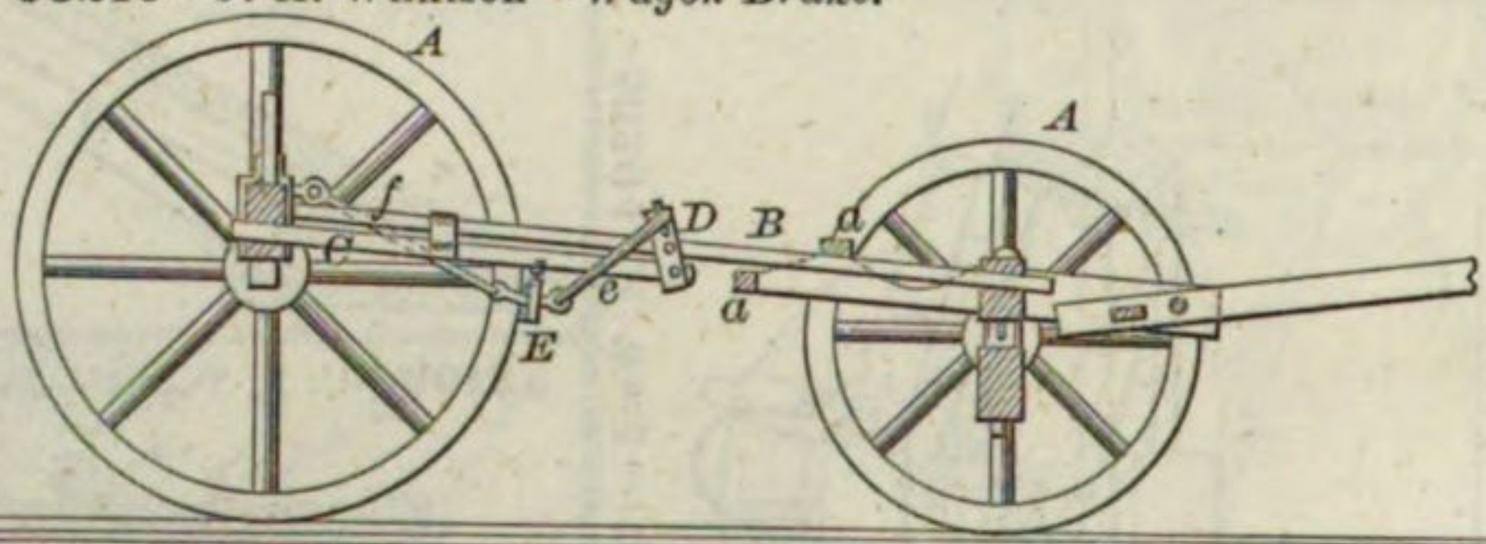
53209—J. G. Wilkison—*Propelling Wheeled Vehicles.*



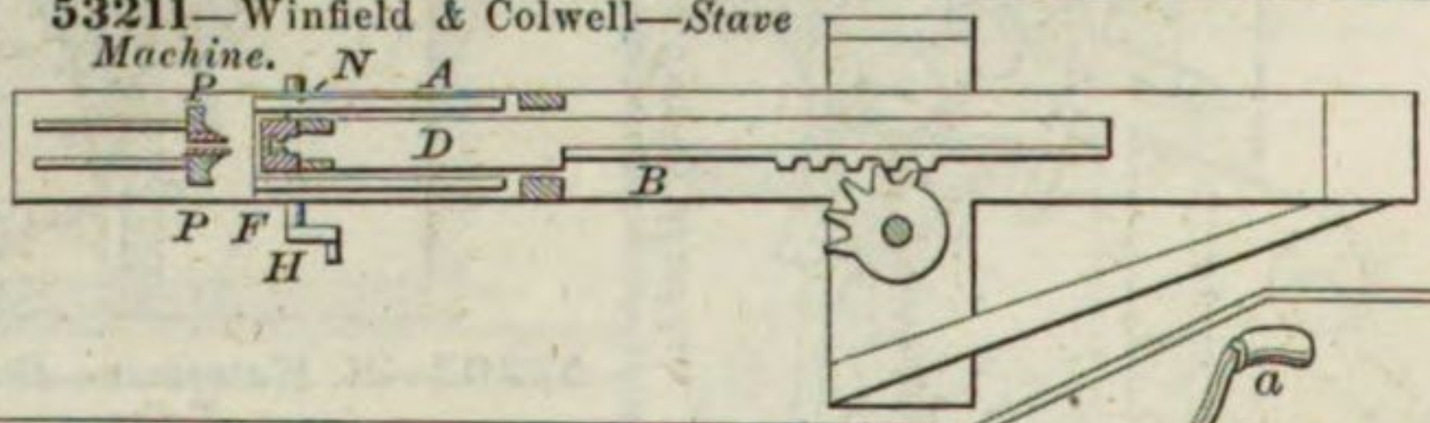
53213—J. W. Zinn—*Railroad Switch.*



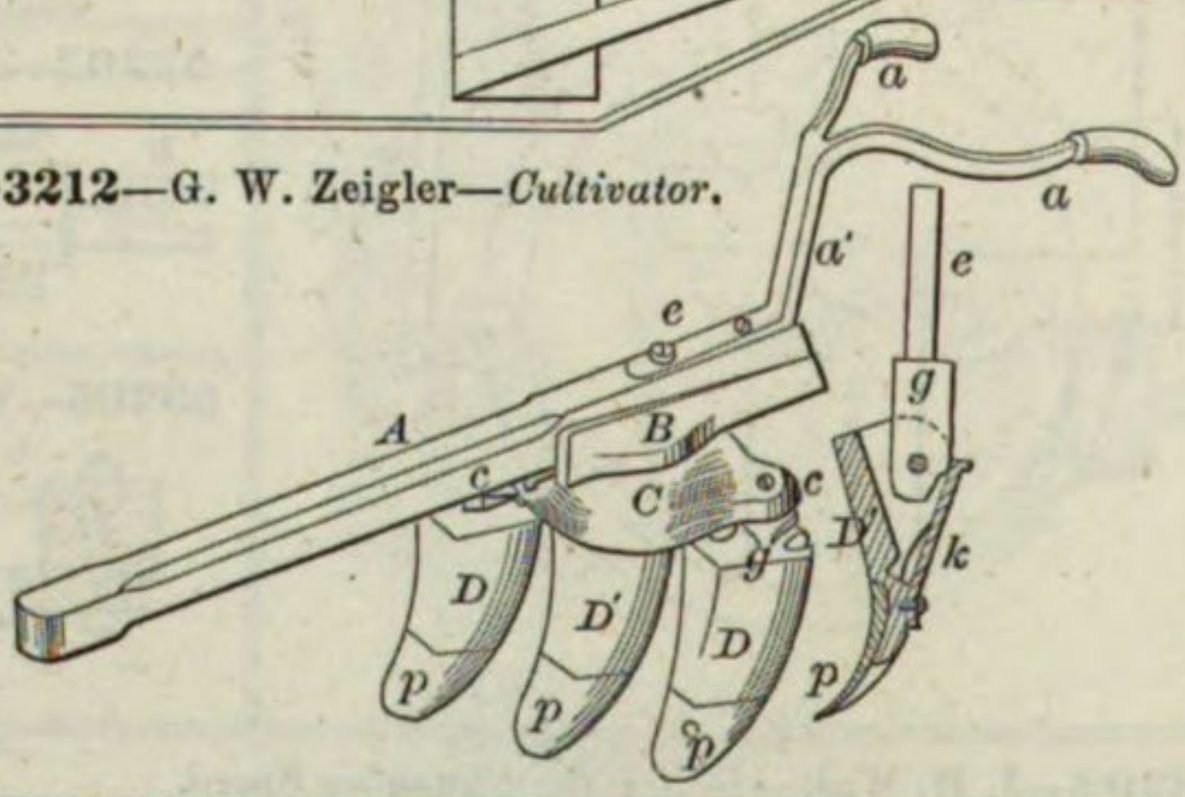
53210—J. H. Wilkison—*Wagon Brake.*



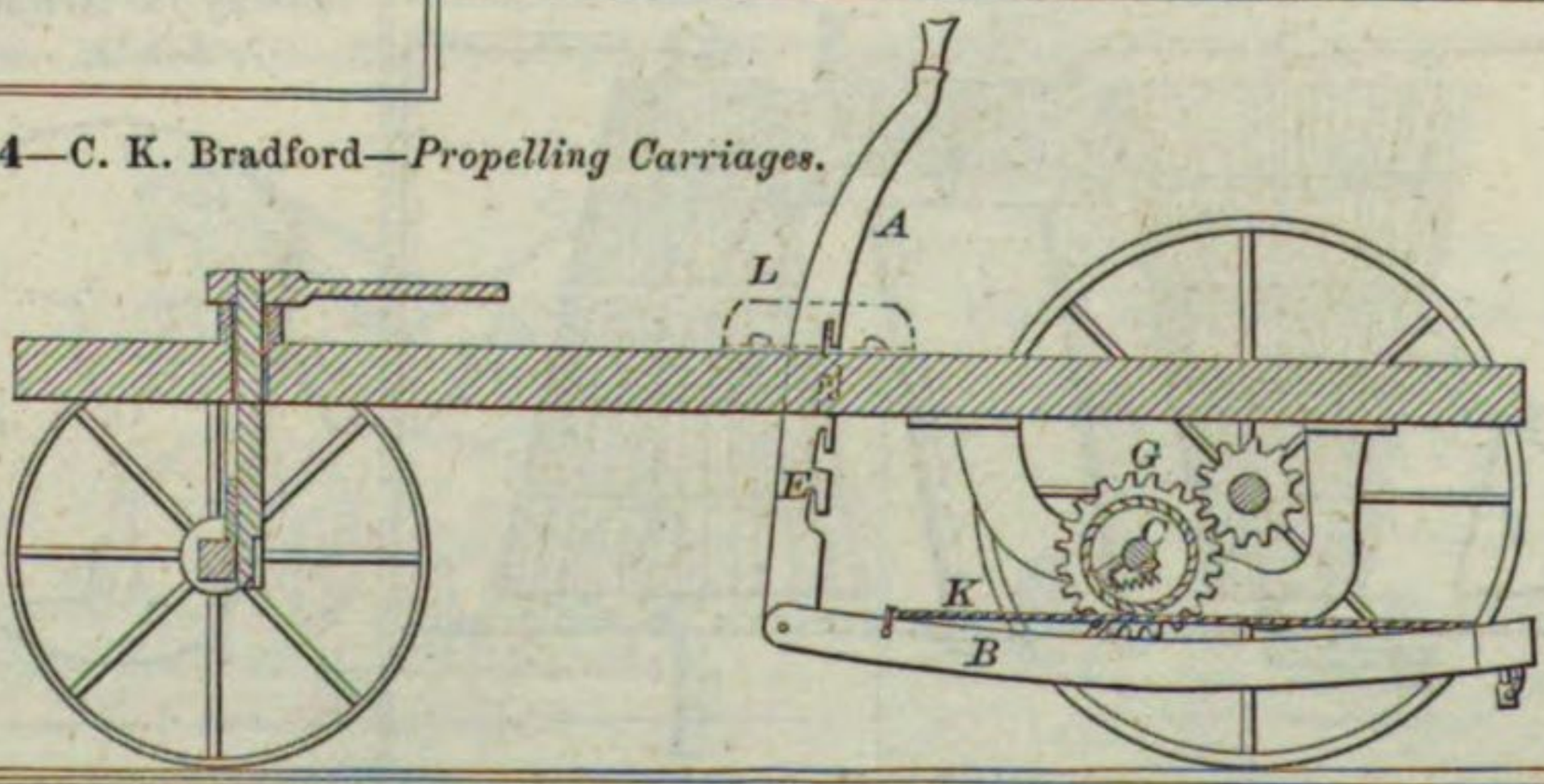
53211—Winfield & Colwell—*Stave Machine.*



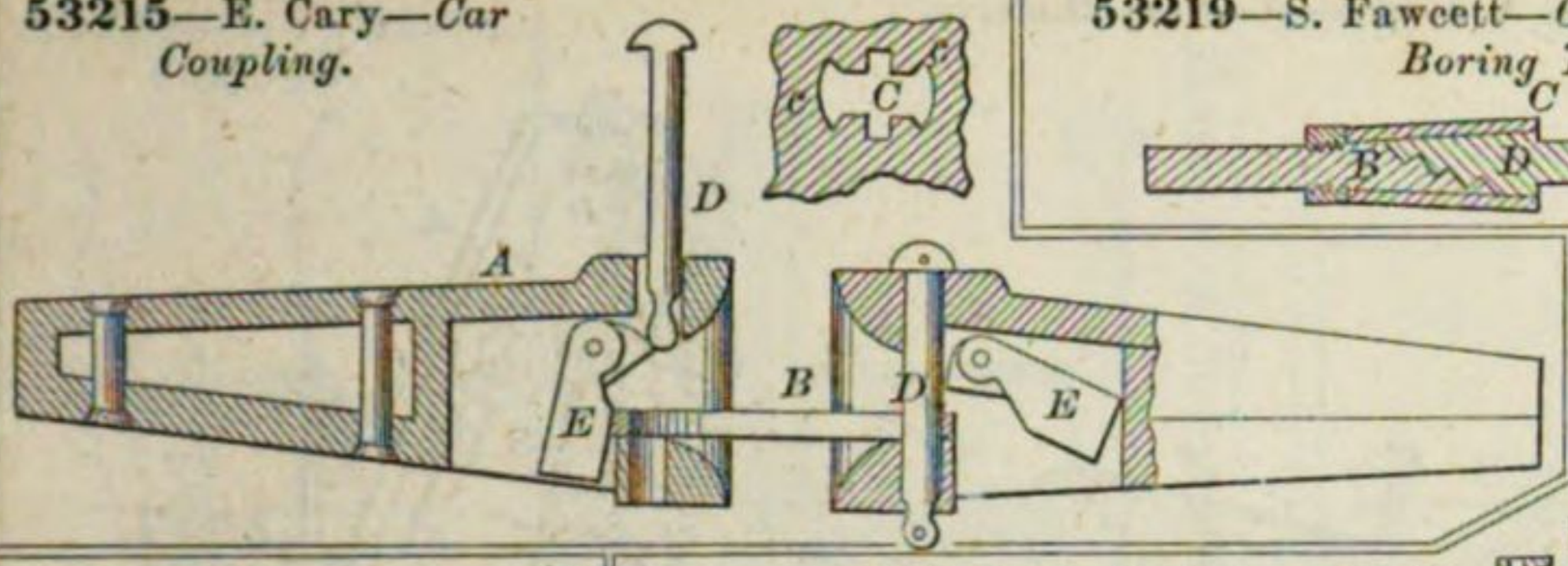
53212—G. W. Zeigler—*Cultivator.*



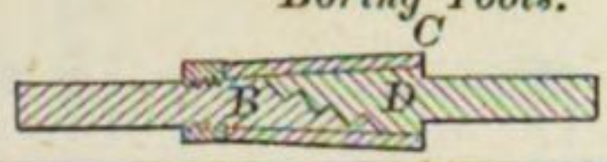
53214—C. K. Bradford—*Propelling Carriages.*



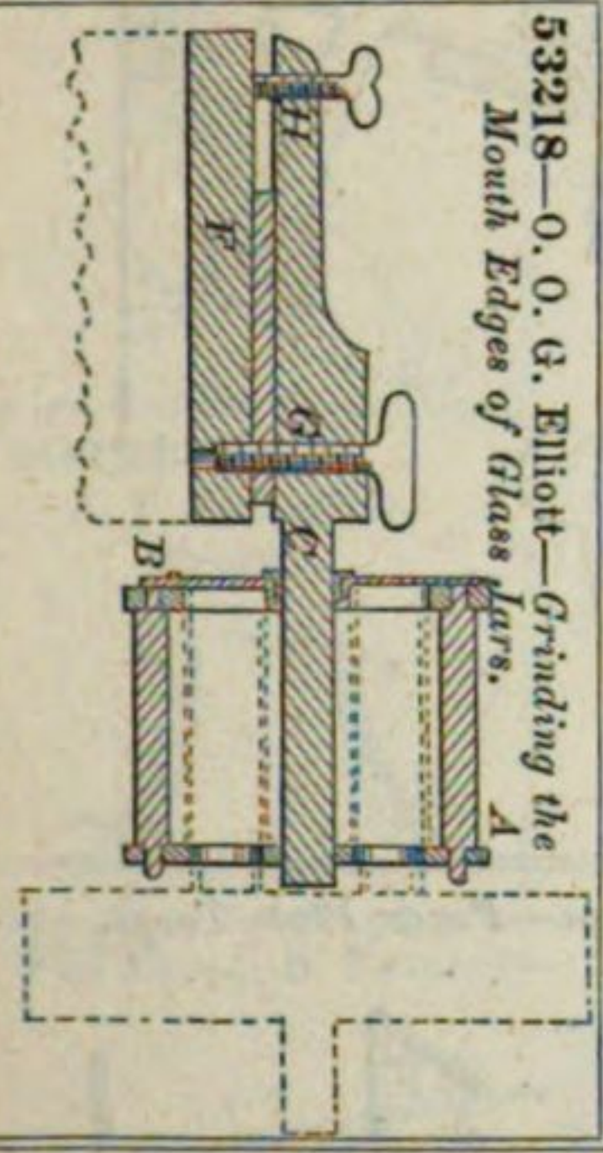
53215—E. Cary—*Car Coupling.*



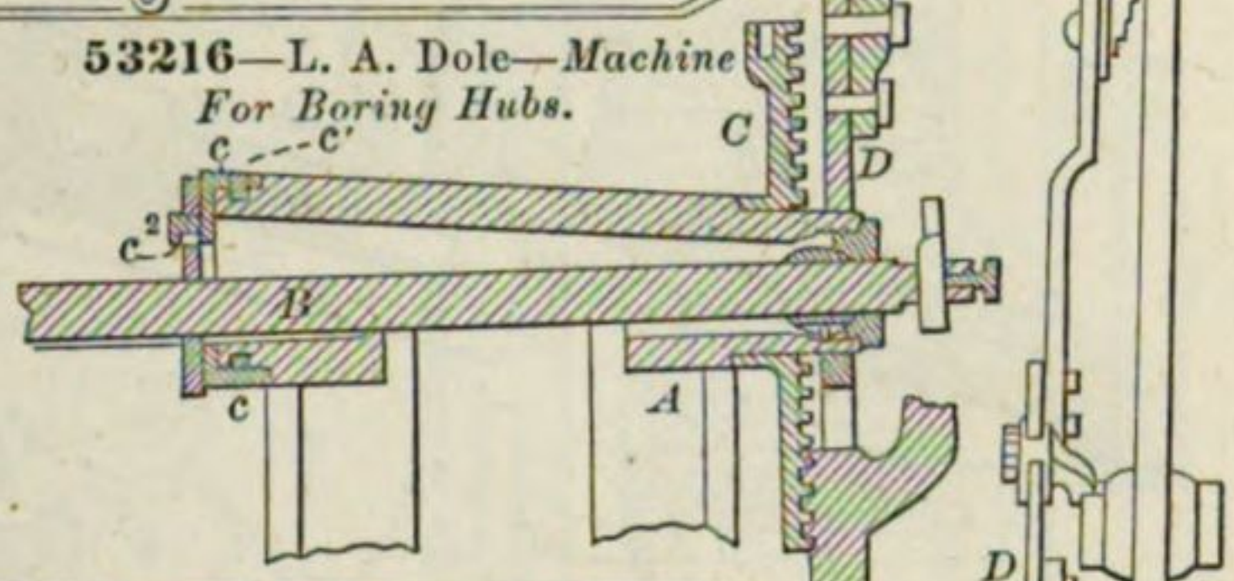
53219—S. Fawcett—*Coupling Shaft for Boring Tools.*

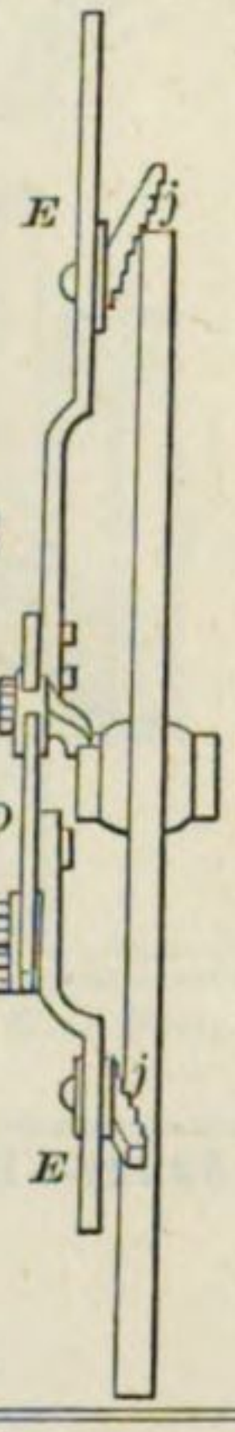


53218—O. G. Elliott—*Grinding the Mouth Edges of Glass Jars.*

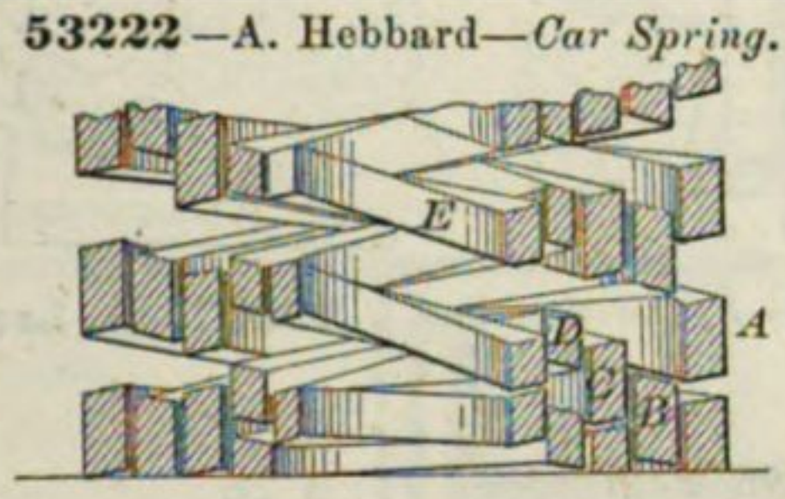


53216—L. A. Dole—*Machine For Boring Hubs.*

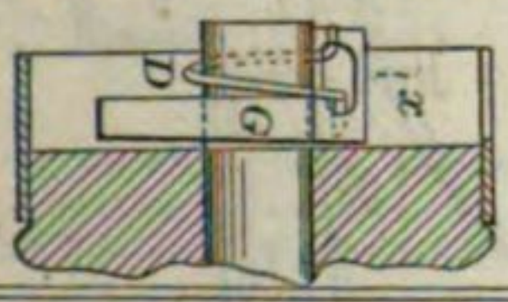




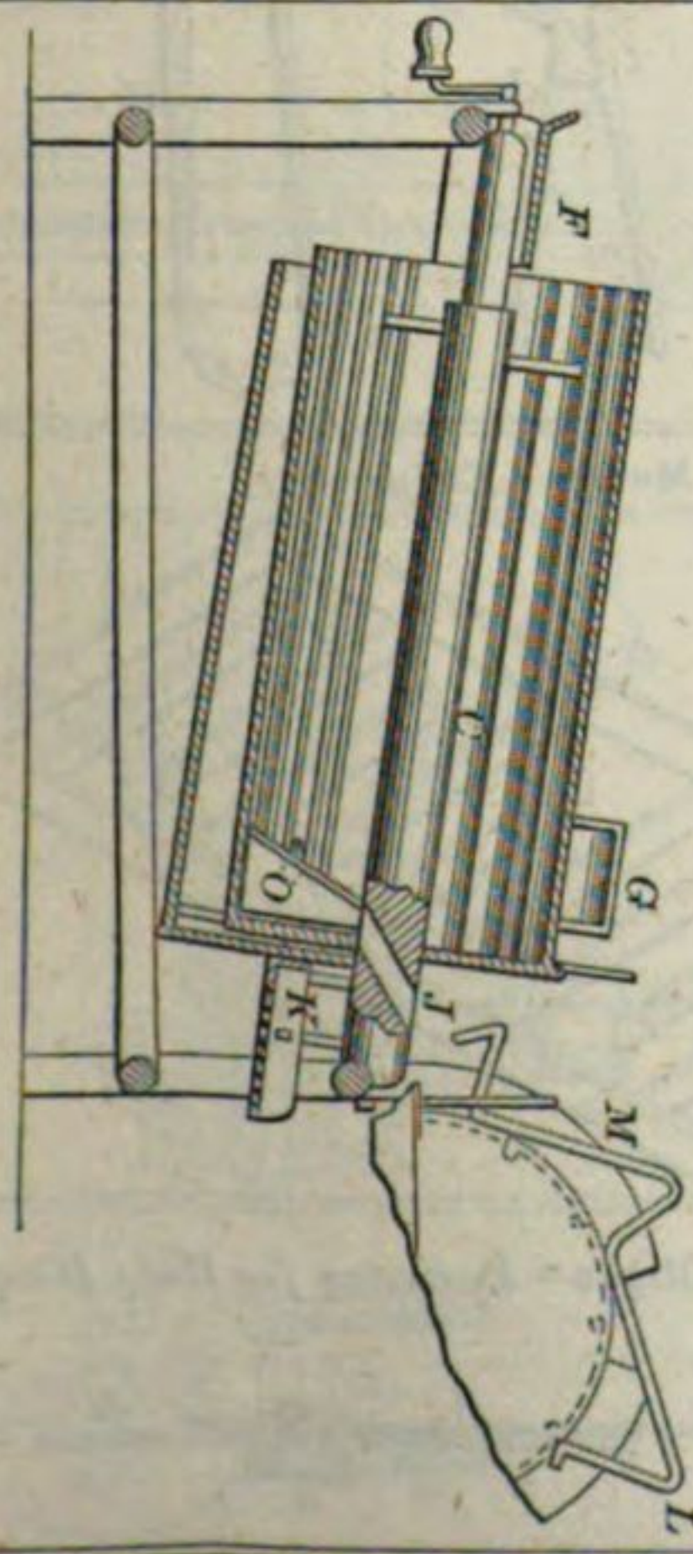
53222—A. Hebbard—*Car Spring.*



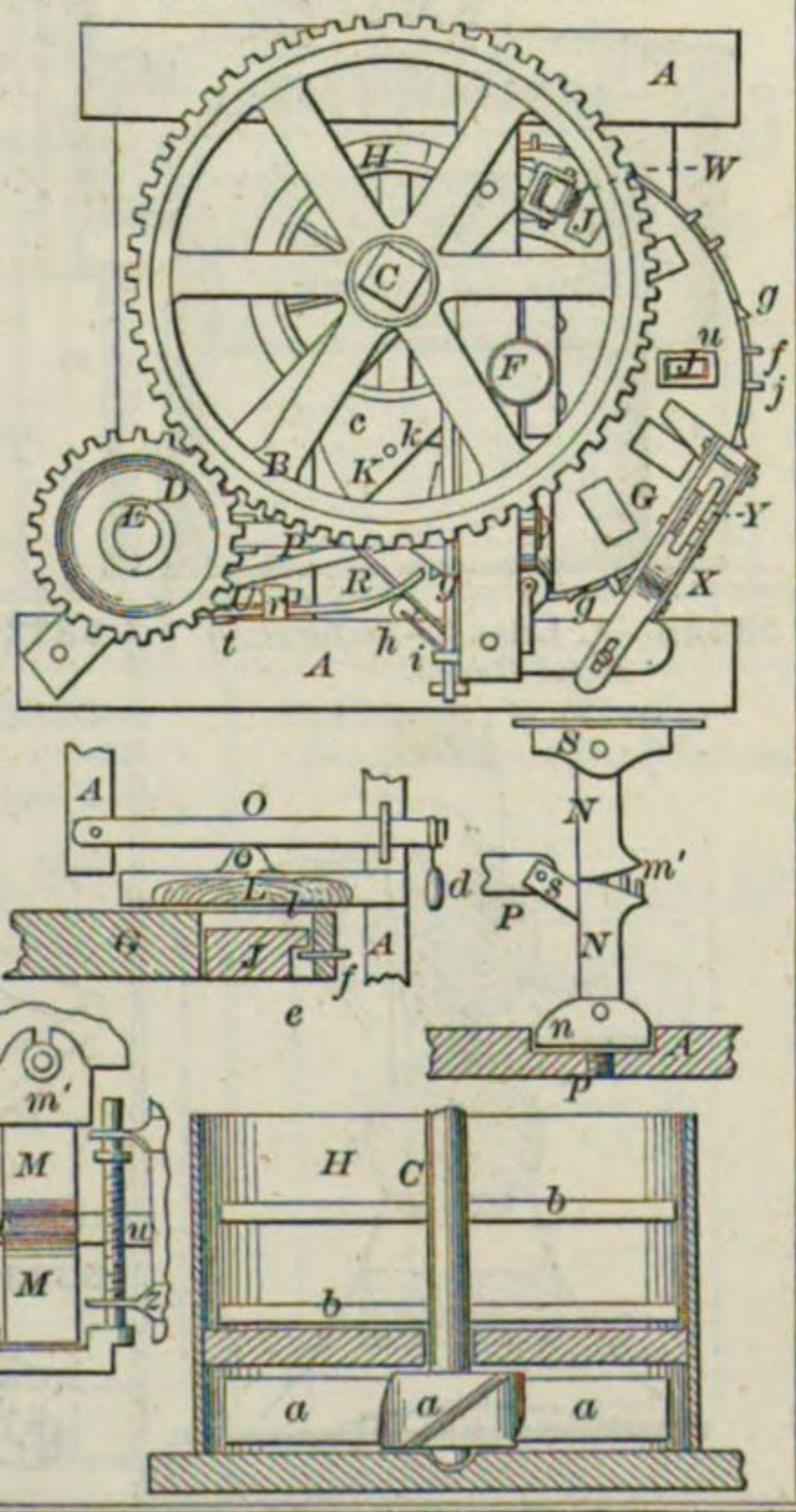
53220—L. B. Gusman—*Linch Pin.*



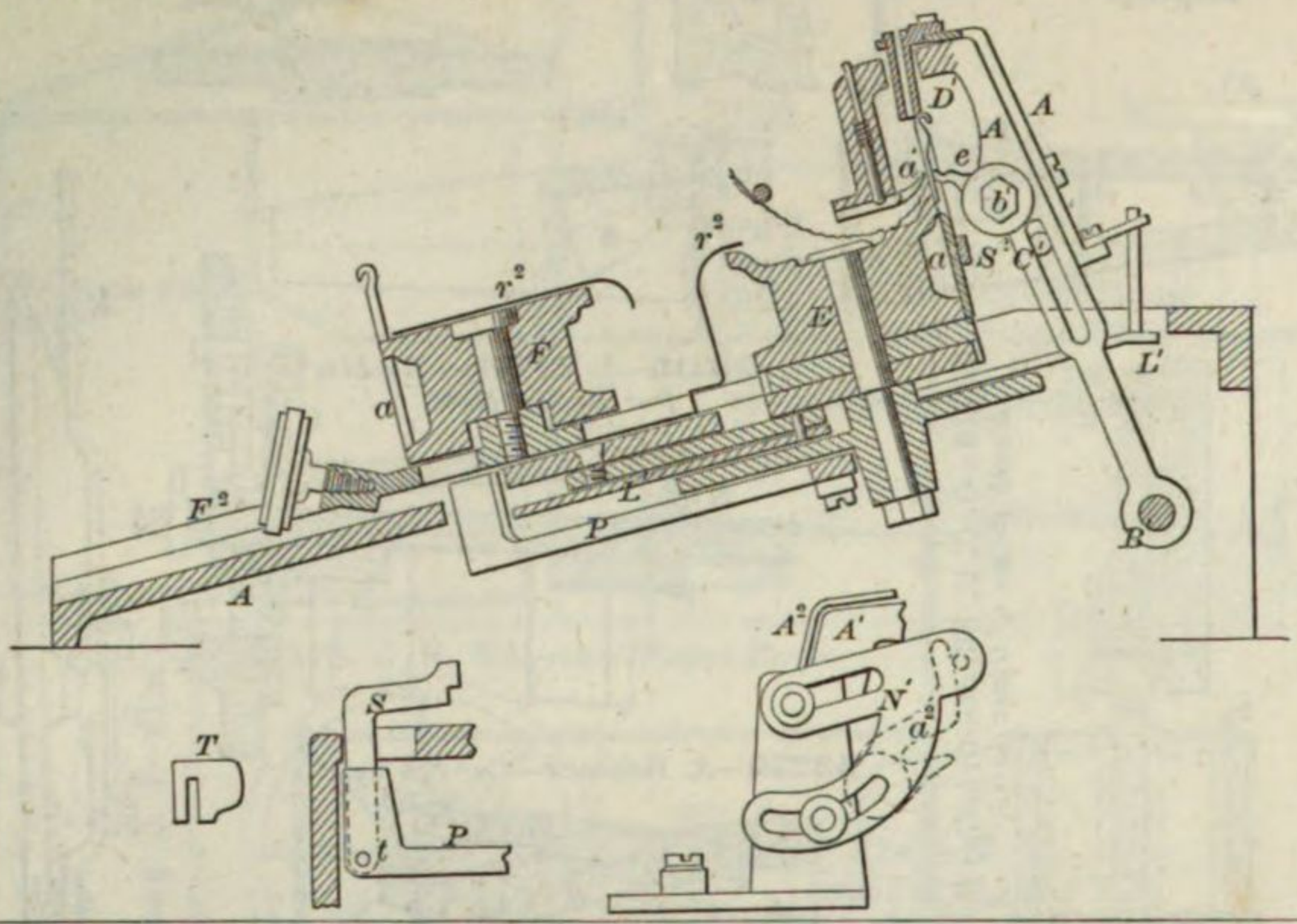
53221—G. B. Hamilton—*Ore Washer.*



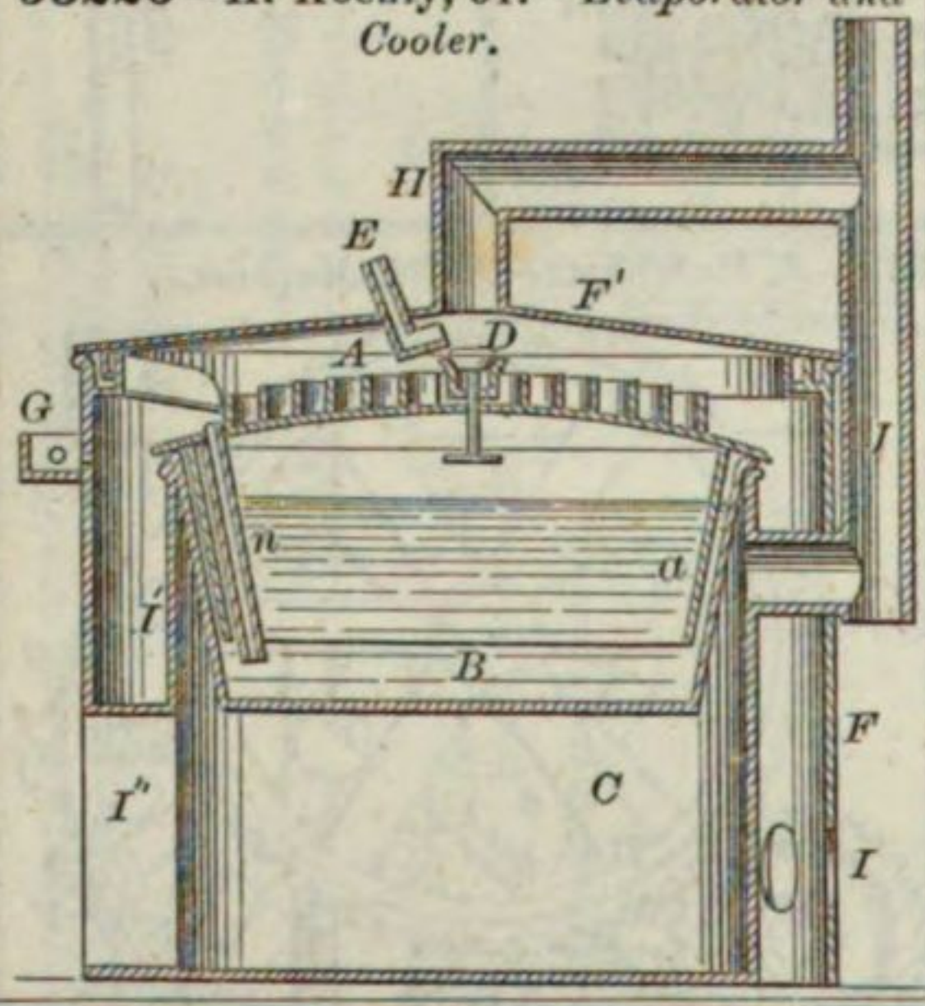
53223—J. Hotchkiss—*Brick Machine.*



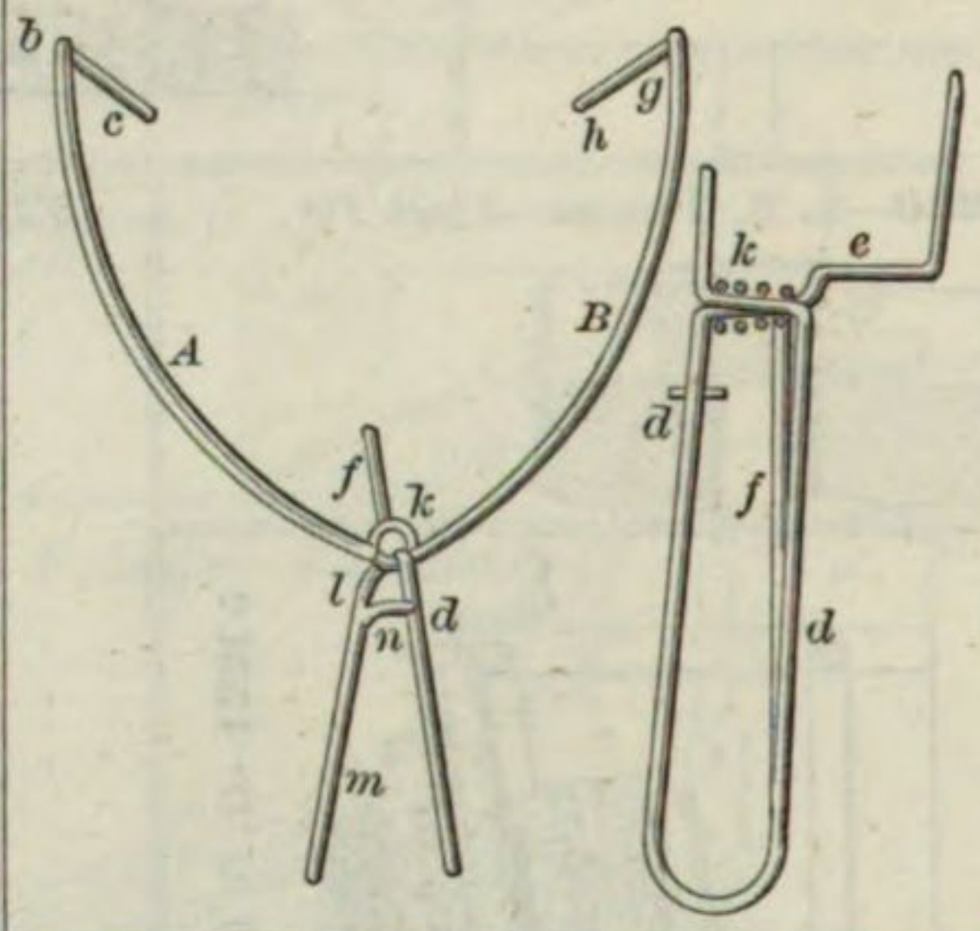
53224—J. A. & H. A. House—*Knitting Machine.*



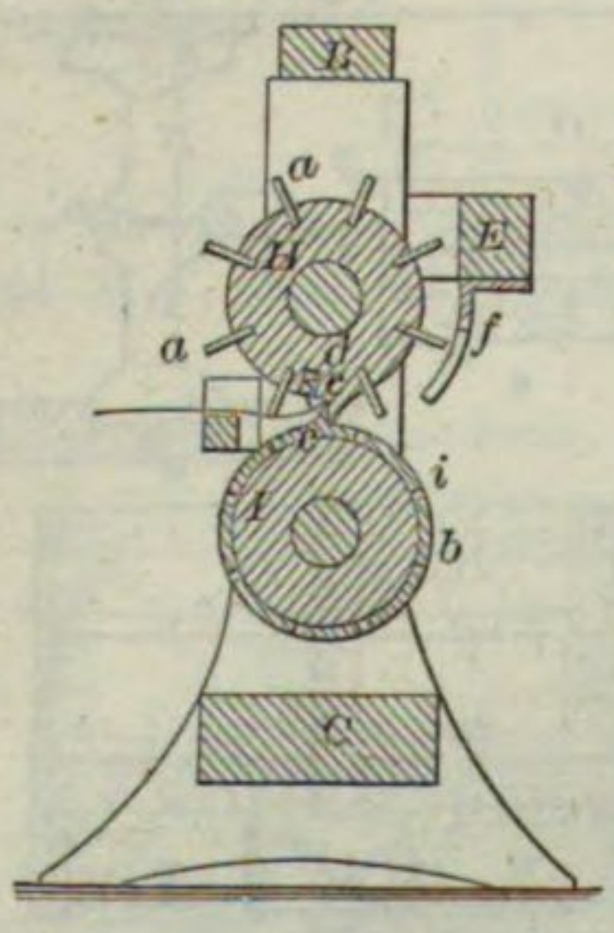
53226—H. Koehly, Jr.—*Evaporator and Cooler.*



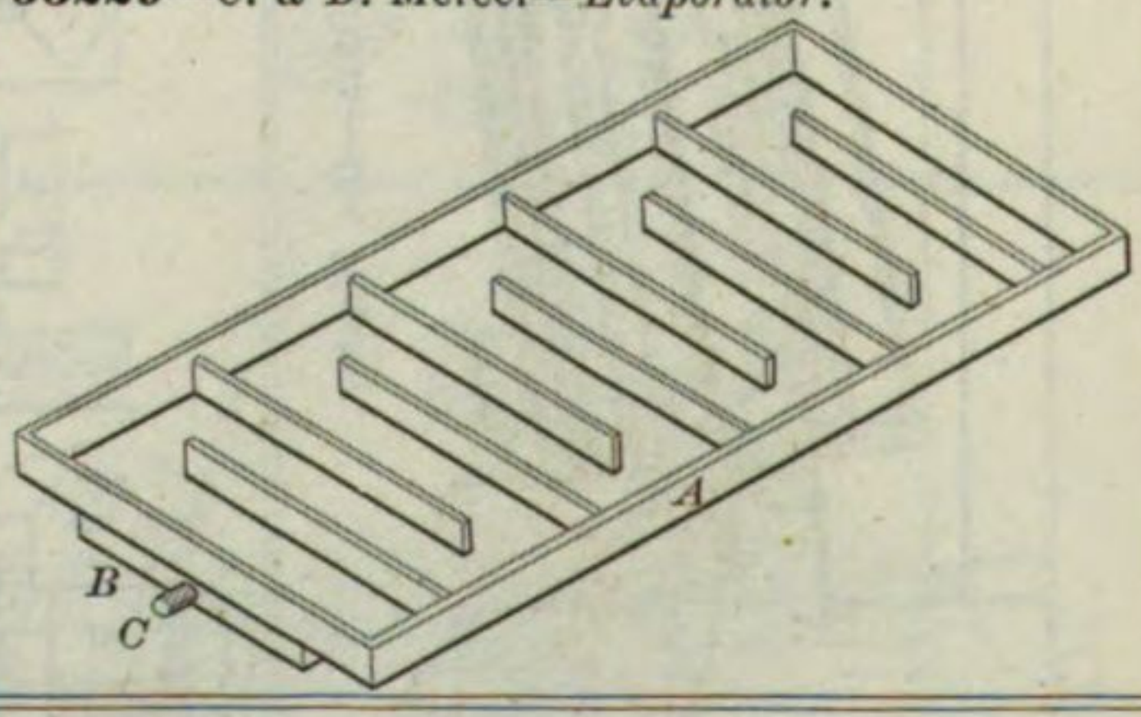
53227—A. Lawrence—*Pie or Plate Tongs.*



53228—A. Leland—*Perforating Metal Bands.*

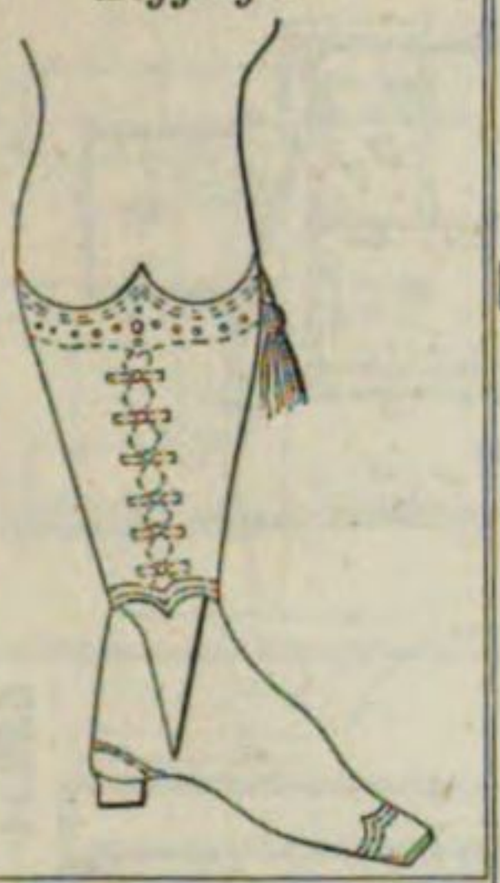


53229—C. & D. Mercer—*Evaporator.*

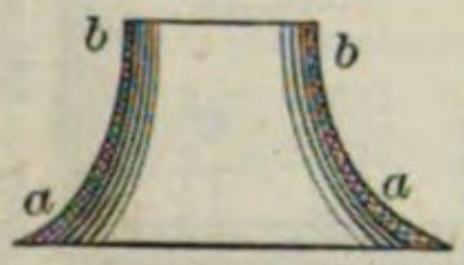


53230—J. F. Milligan—*Fastening for Bale Hoops.*

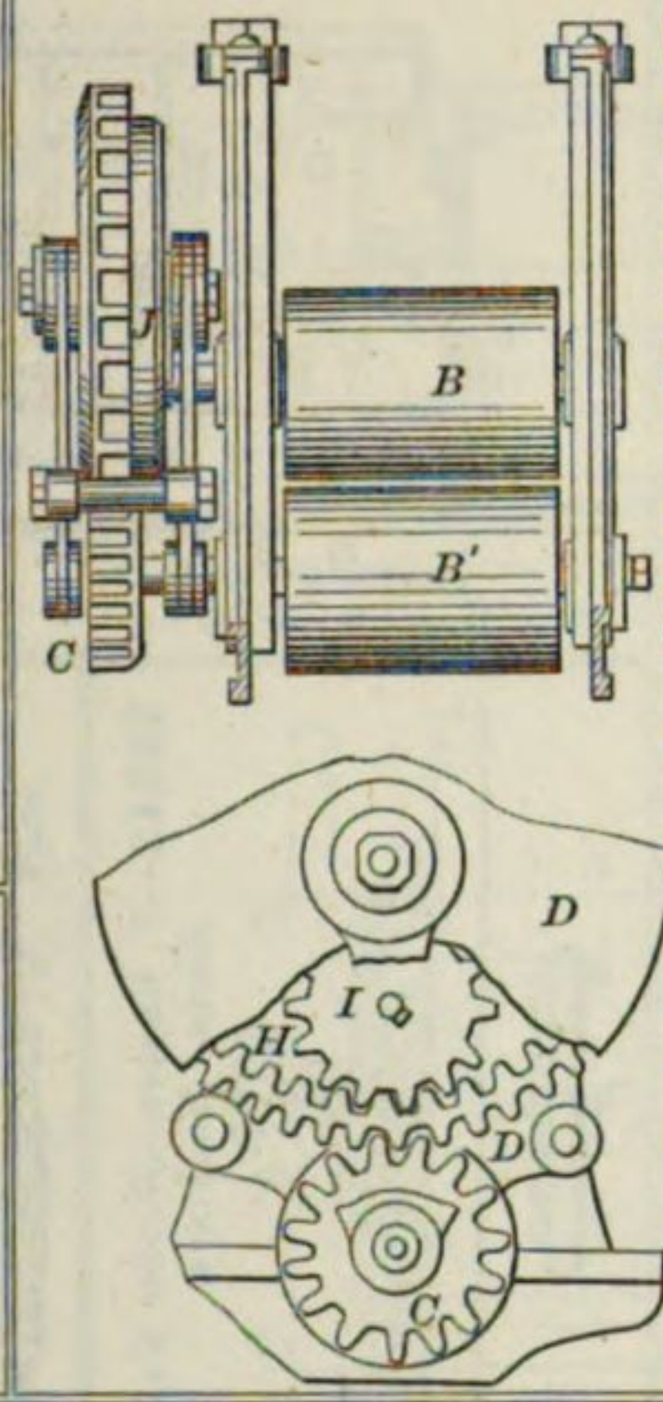
53231—A. L. Munson—*Leggings.*



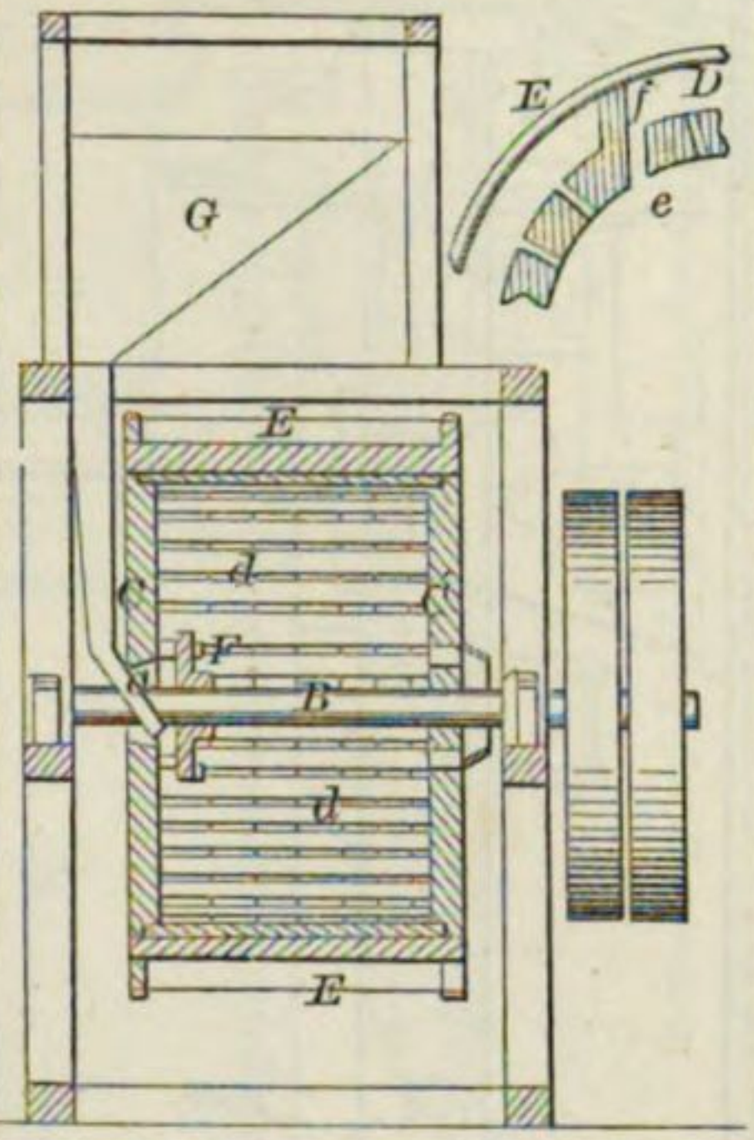
53234—J. F. Richards—*Eyelet.*



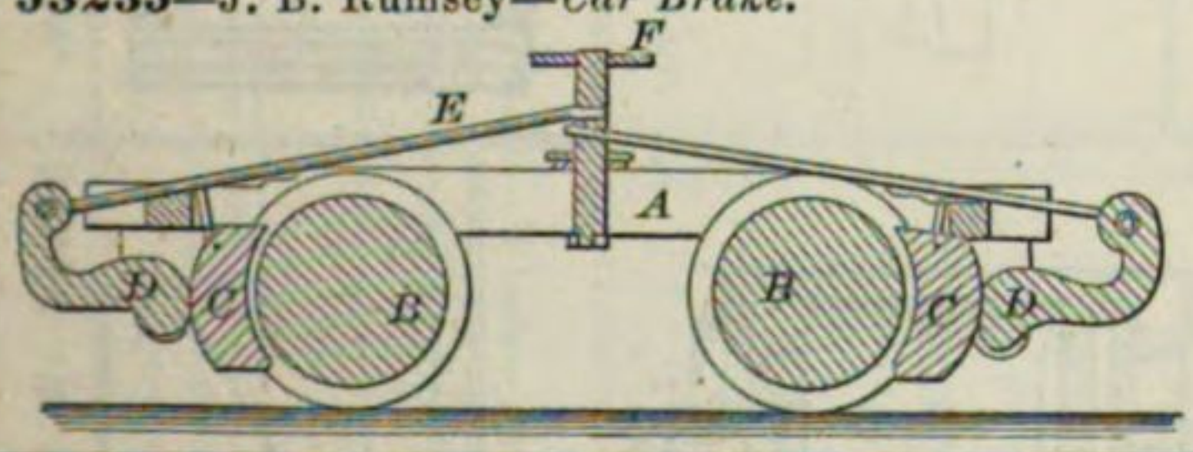
53236—W. E. Sibley—*Gearing for Grinding or other Rollers.*



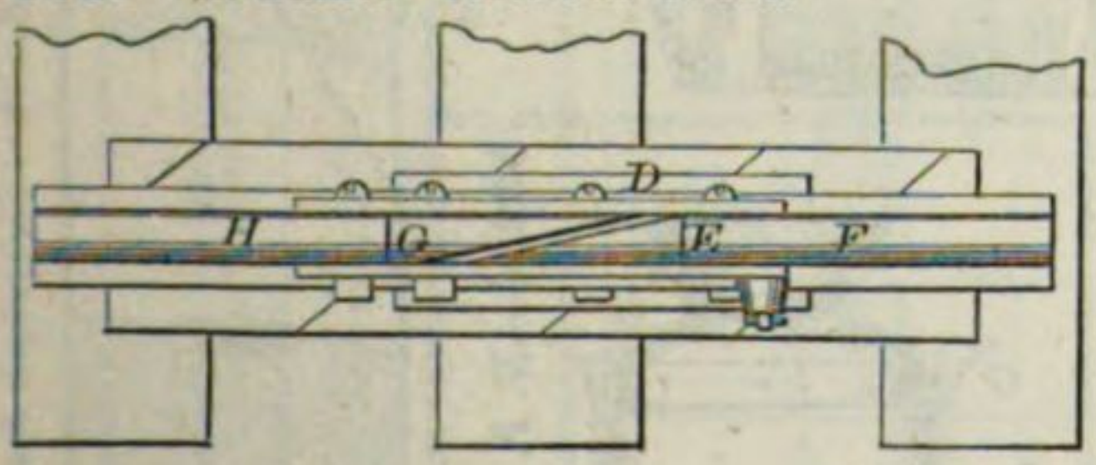
53237—F. Sundell—*Quartz Mill.*



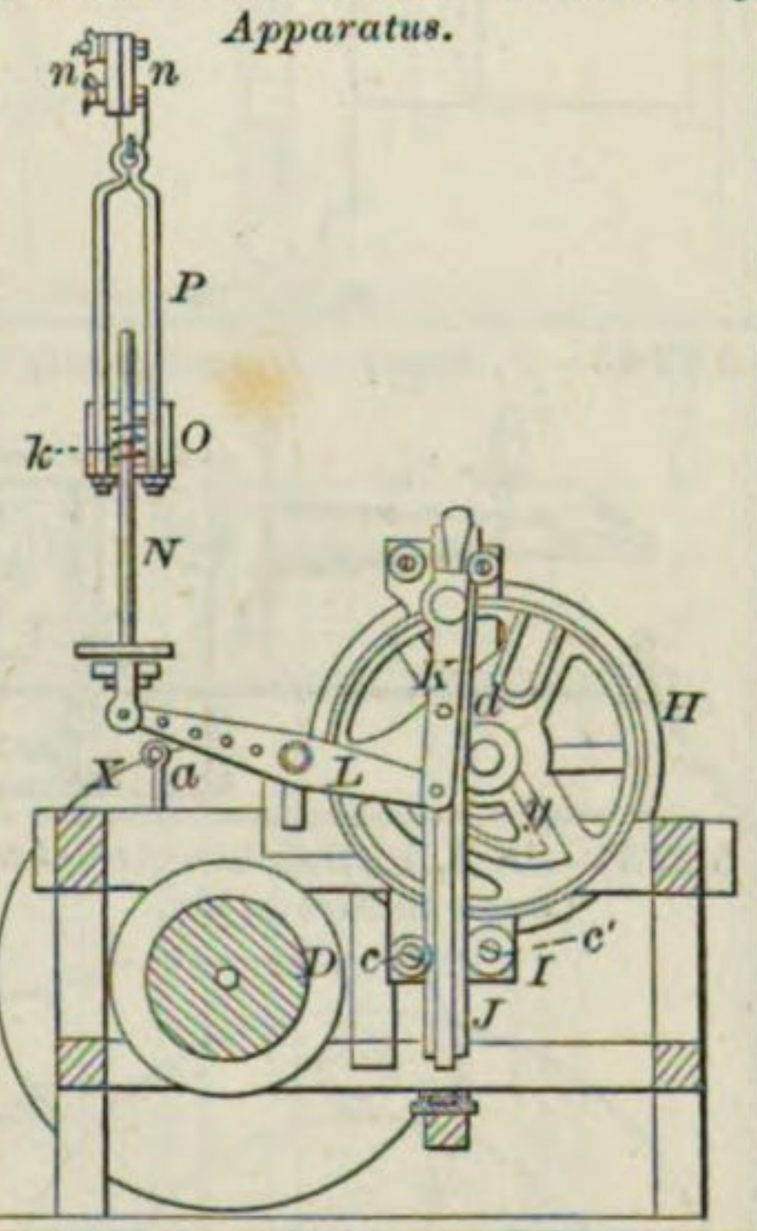
53235—J. B. Rumsey—*Car Brake.*



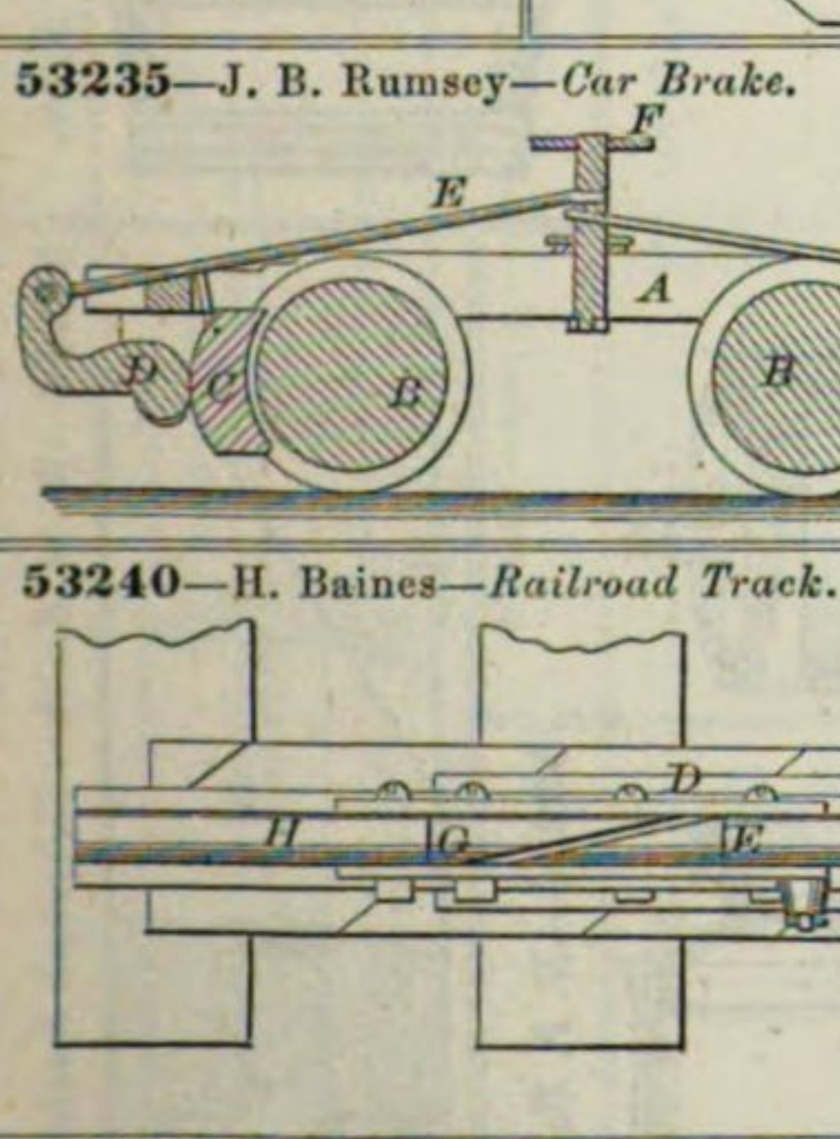
53240—H. Baines—*Railroad Track.*



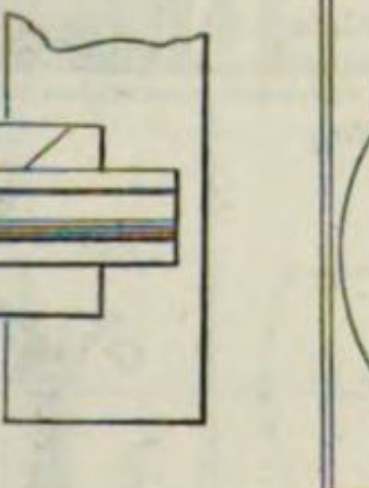
53232—T. J. Parke—*Well Boring Apparatus.*



53238—J. R. Widgeon—*Automatic Boiler Feeder.*

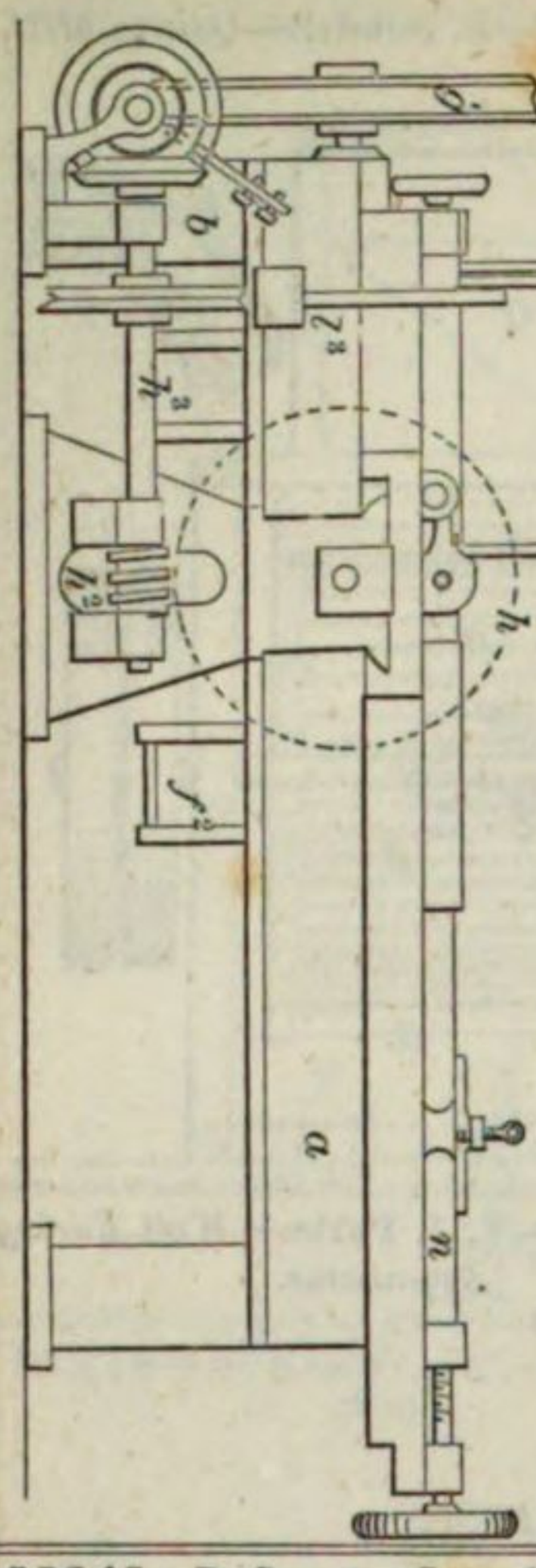


53233—M. J. Proctor—*Direction Label.*

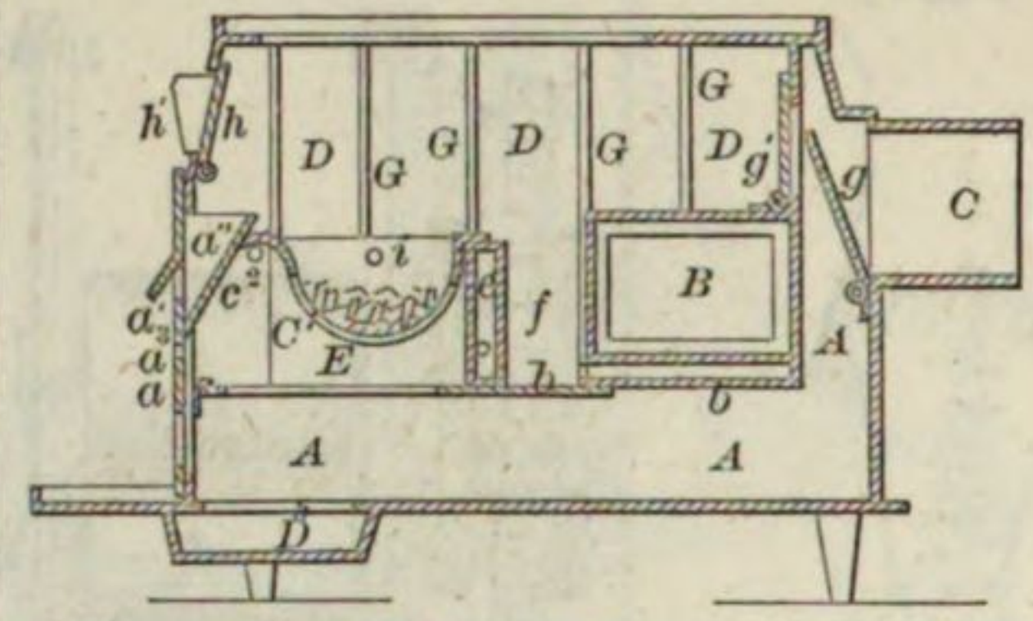


53239—W. H. Winans—*Burglar Alarm for Windows.*

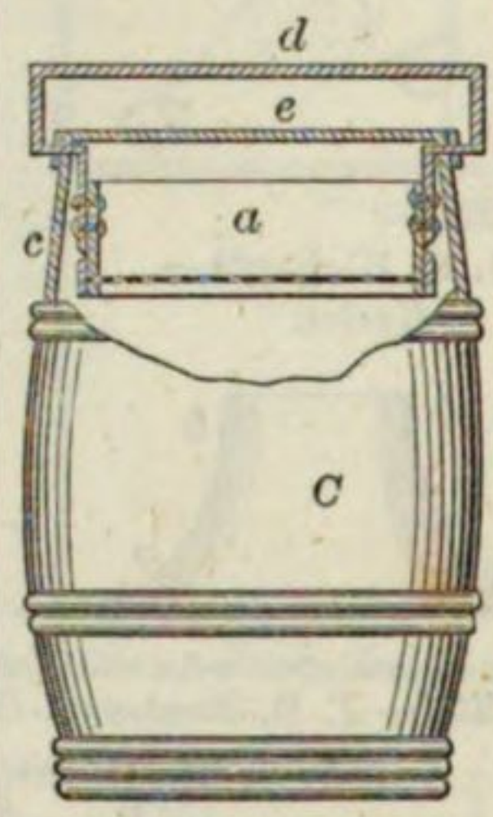
53242—E. Lord—*For Bending Cranks on Rods.*



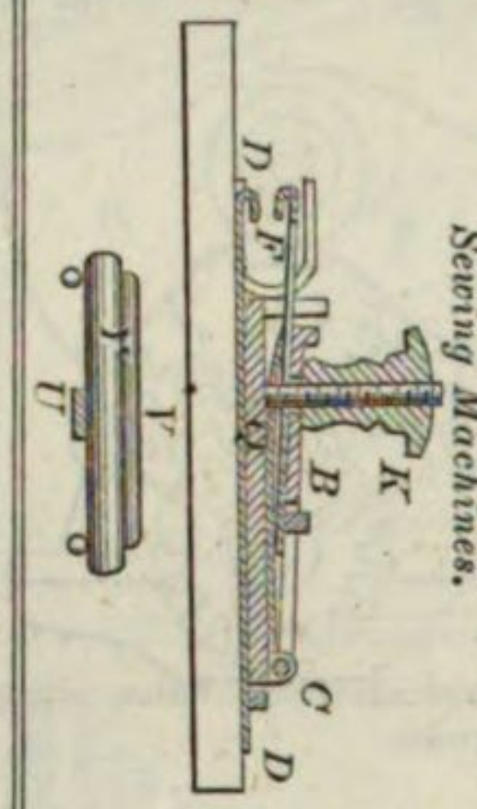
53252—F. E. Adam—*Stove.*



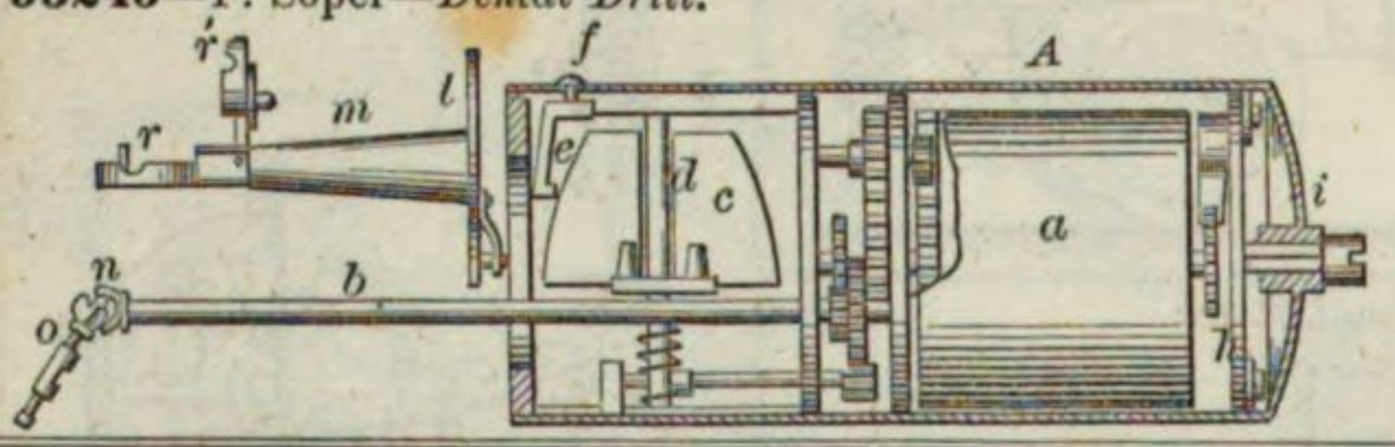
53254—E. G. Anthony—*Coal Sifter.*



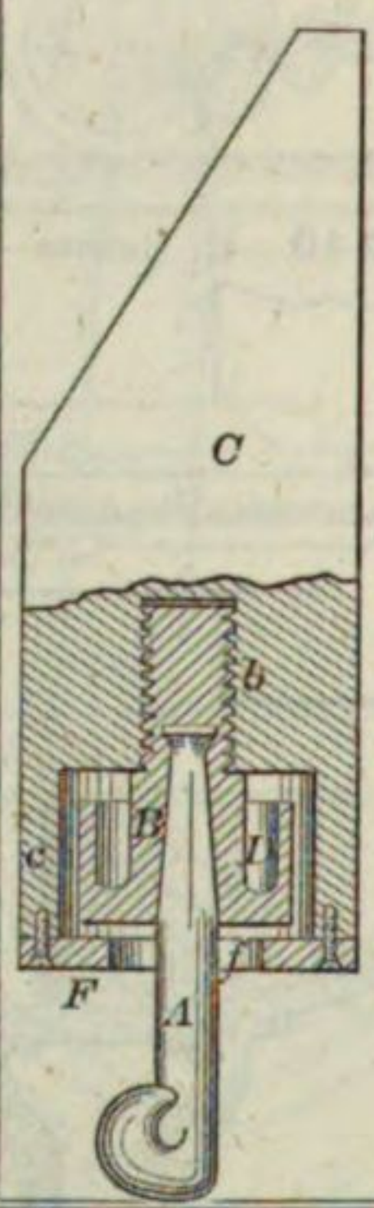
53243—T. Rogers—*Binder Guide for Sewing Machines.*



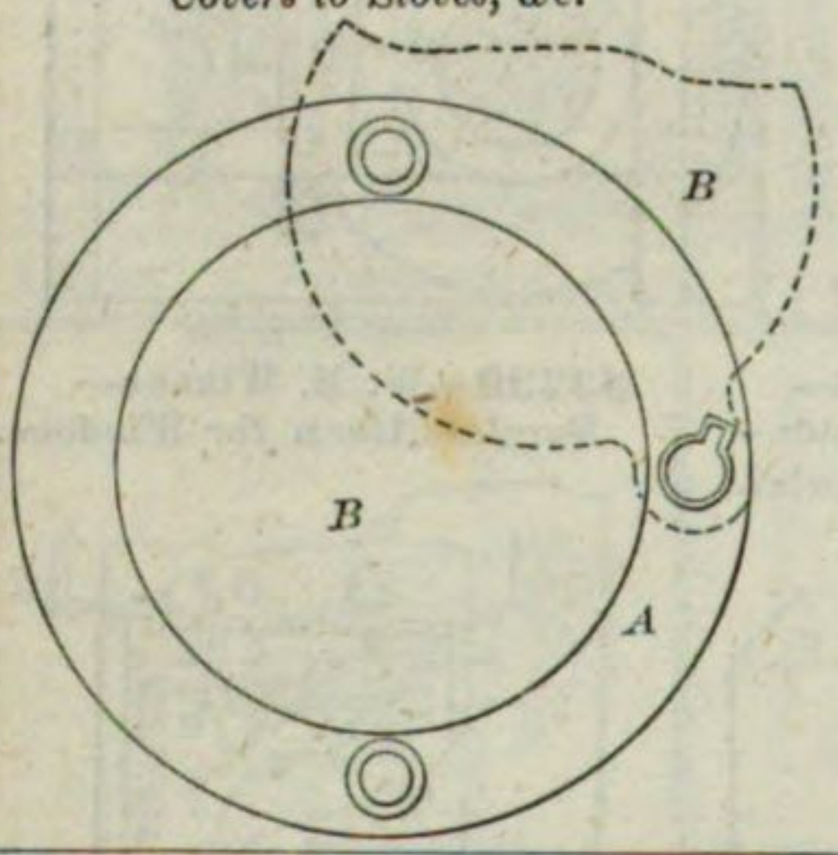
53245—P. Soper—*Dental Drill.*



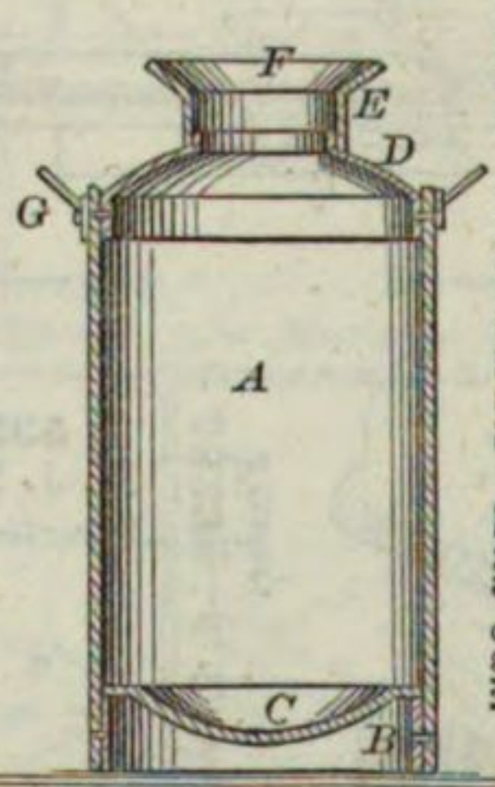
53246—W. W. Smith—*Telegraph Insulator.*



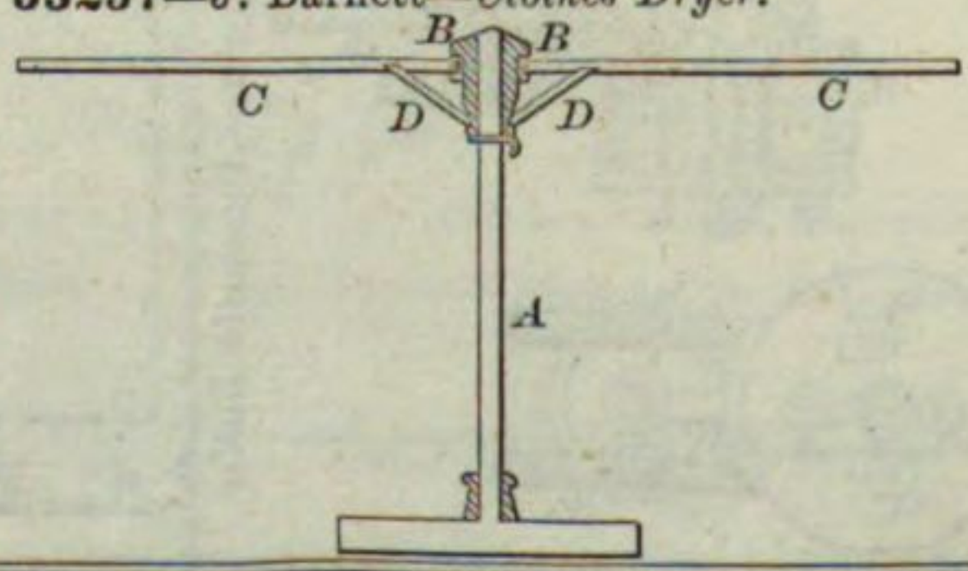
53251—D. J. Littlefield—*Attaching Covers to Stoves, &c.*



53256—N. P. Barnes—*Milk Can.*



53257—J. Barnett—*Clothes Dryer.*



53255—W. Armstrong—*Snap Hook.*

Fig. 1

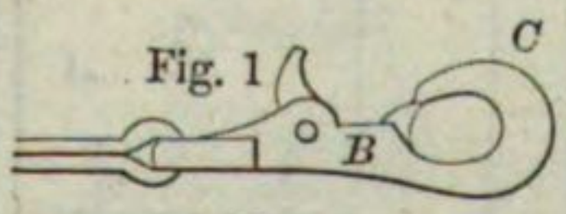
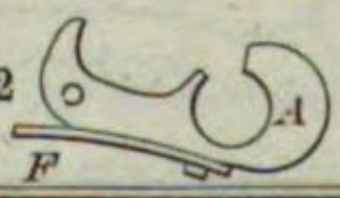
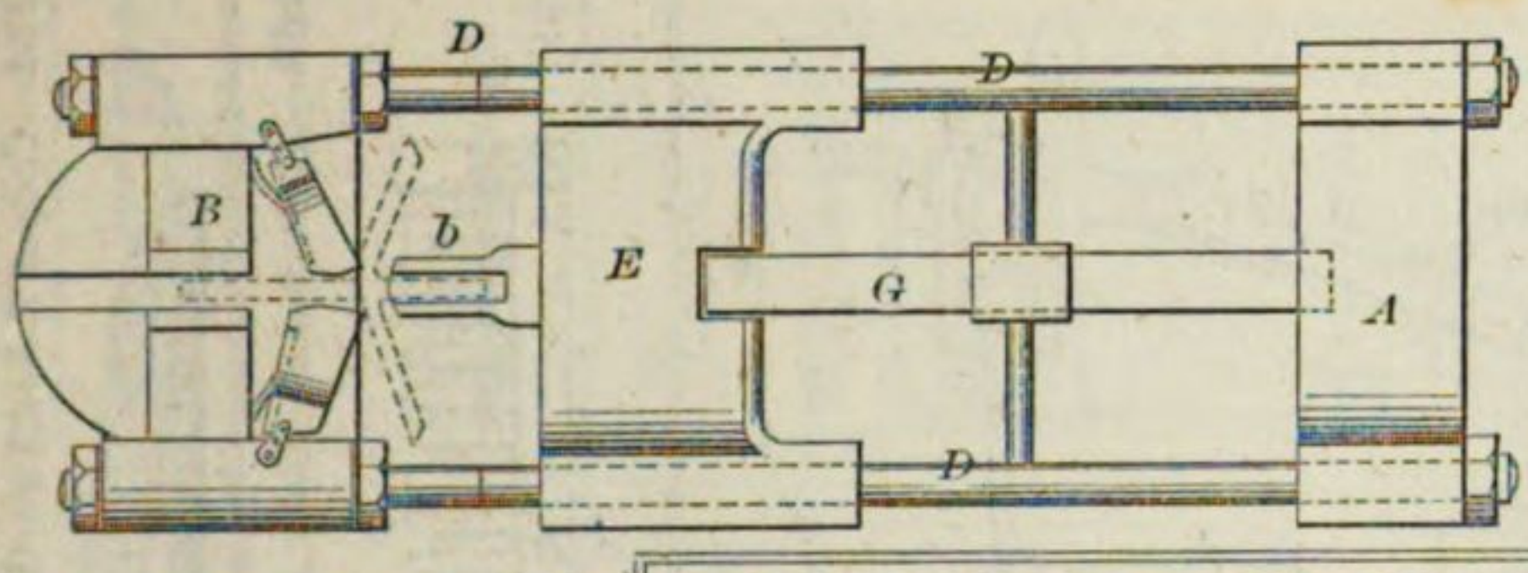


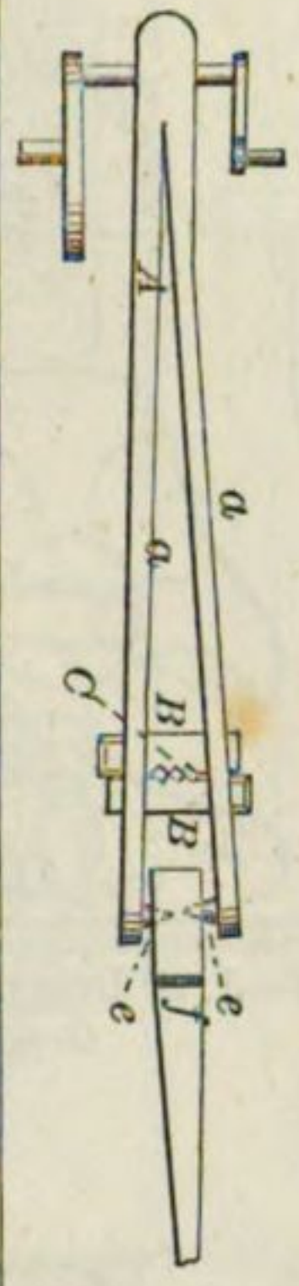
Fig. 2

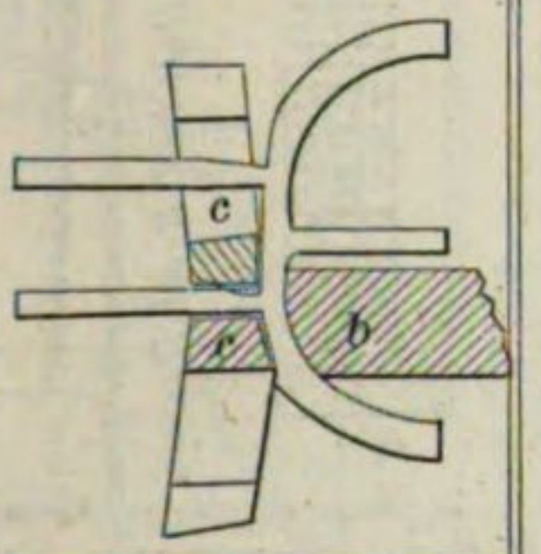


53558—J. C. Batcheller—*Forming Shoulders on Forks.*

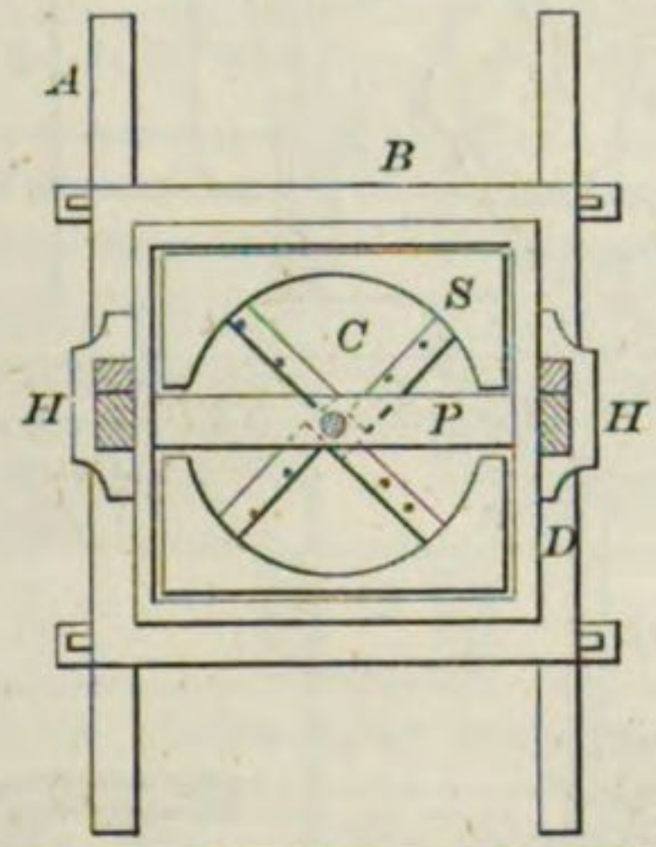


53261—H. Bishop—*Pitman Coupling for Harvesters.*

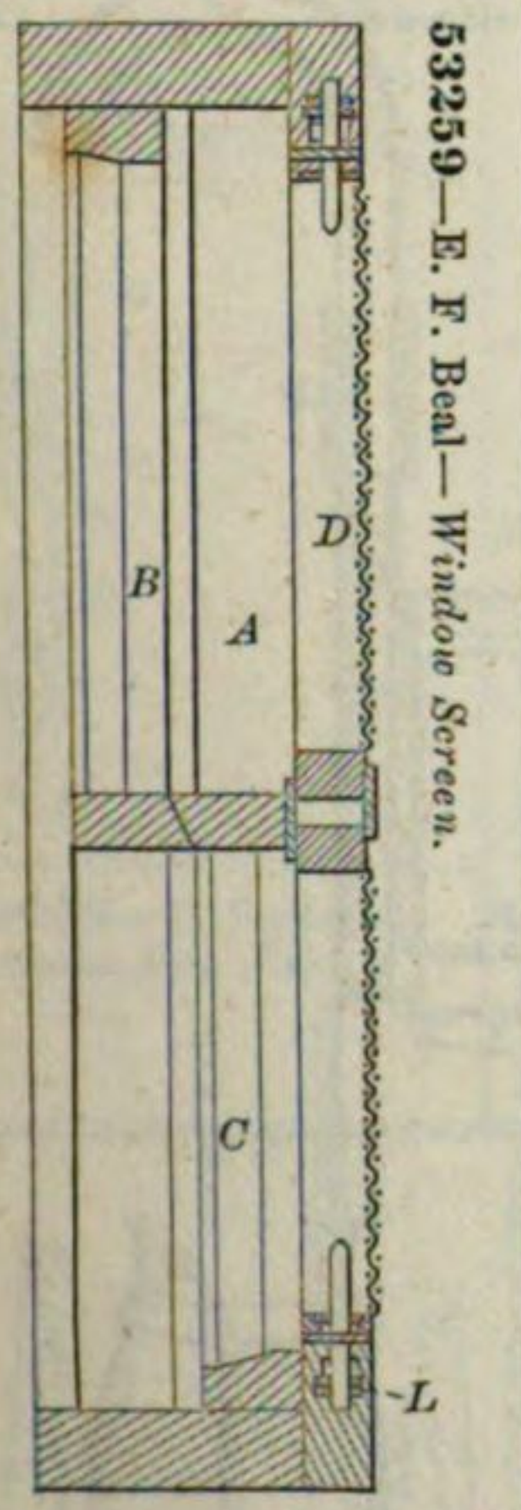




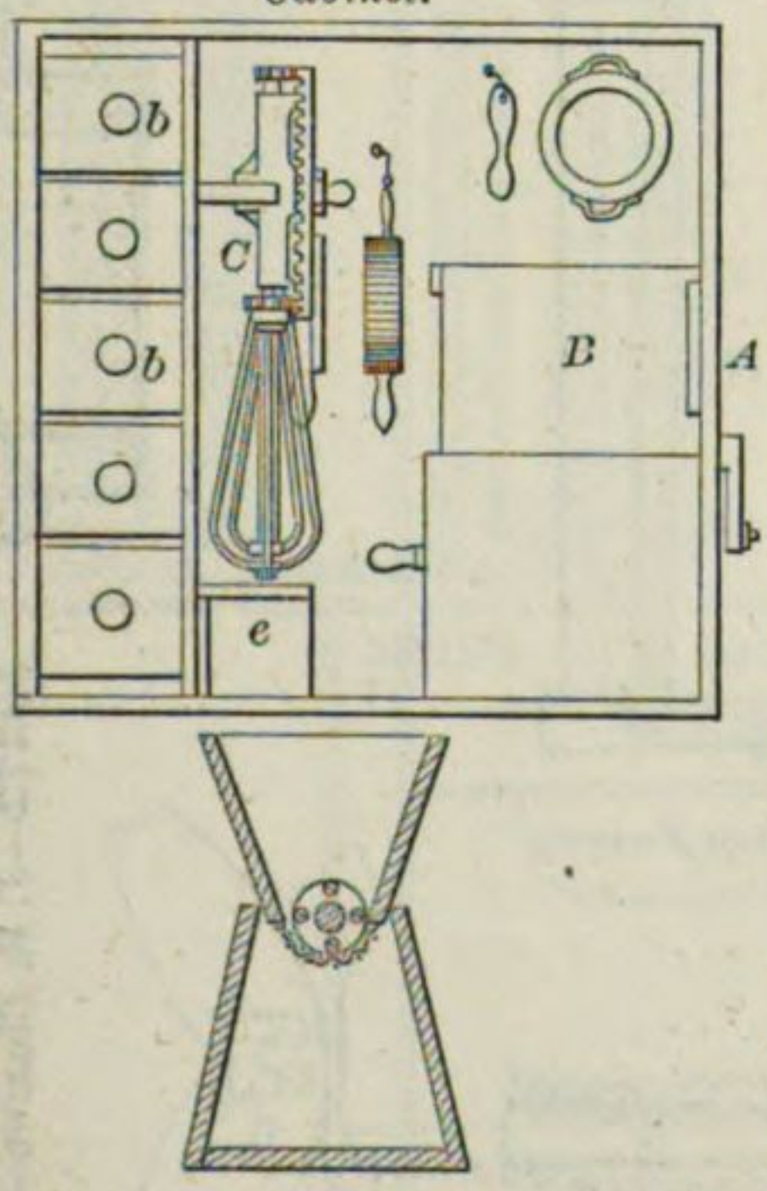
53262—A. T. Bleyley—*Vegetable Cutter.*



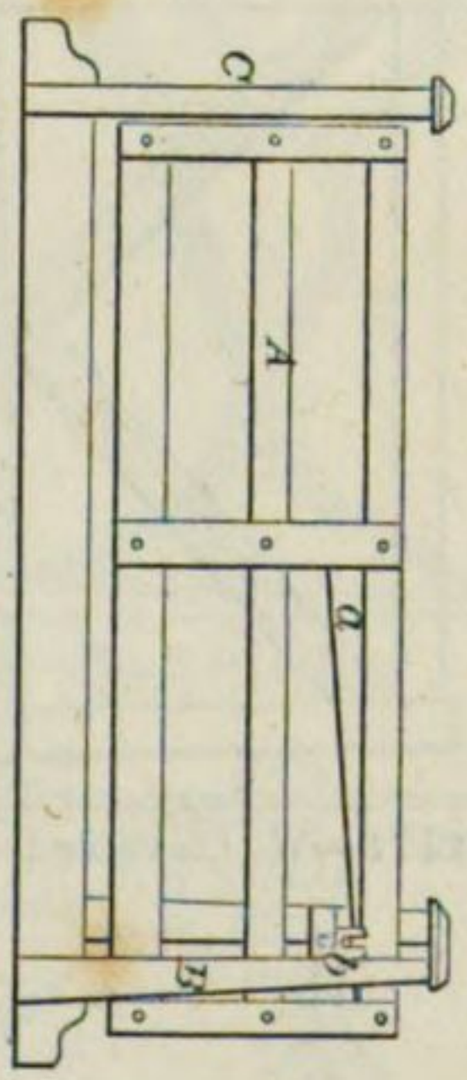
53259—E. F. Beal—*Window Screen.*



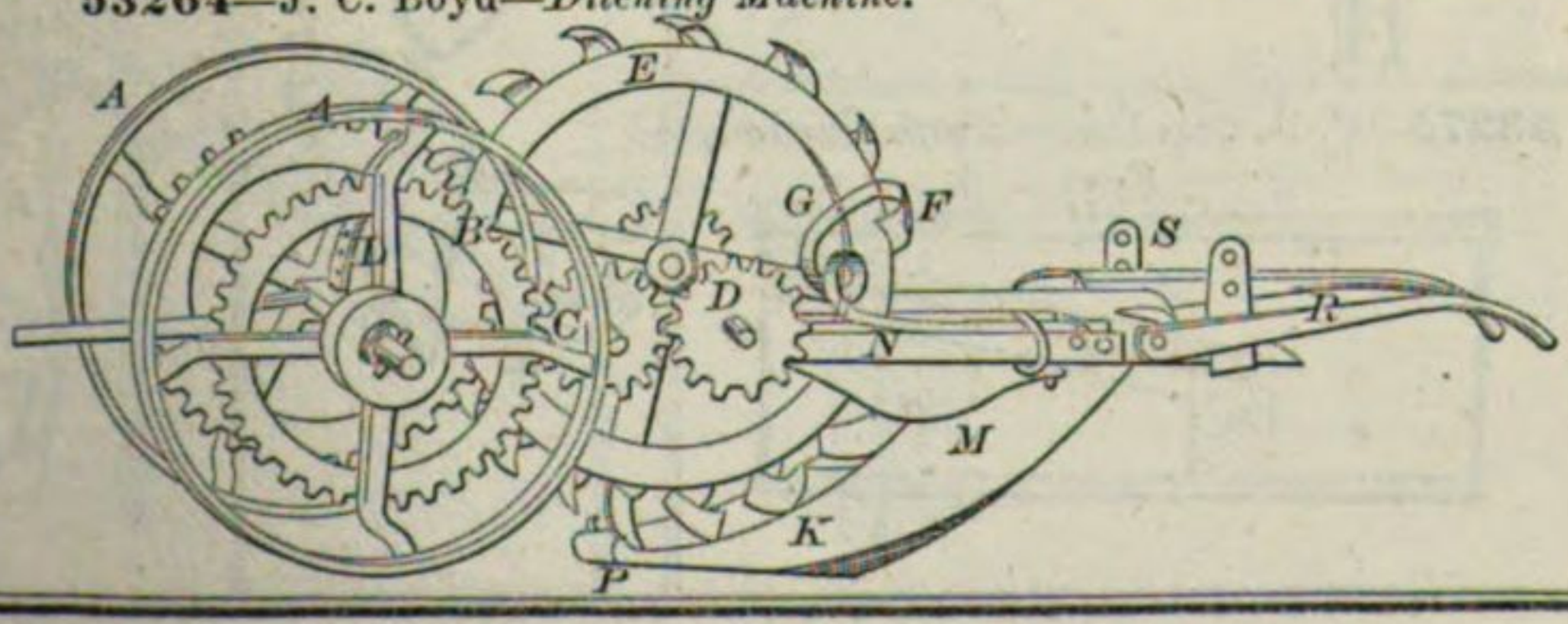
53260—J. Billings—*Culinary Cabinet.*



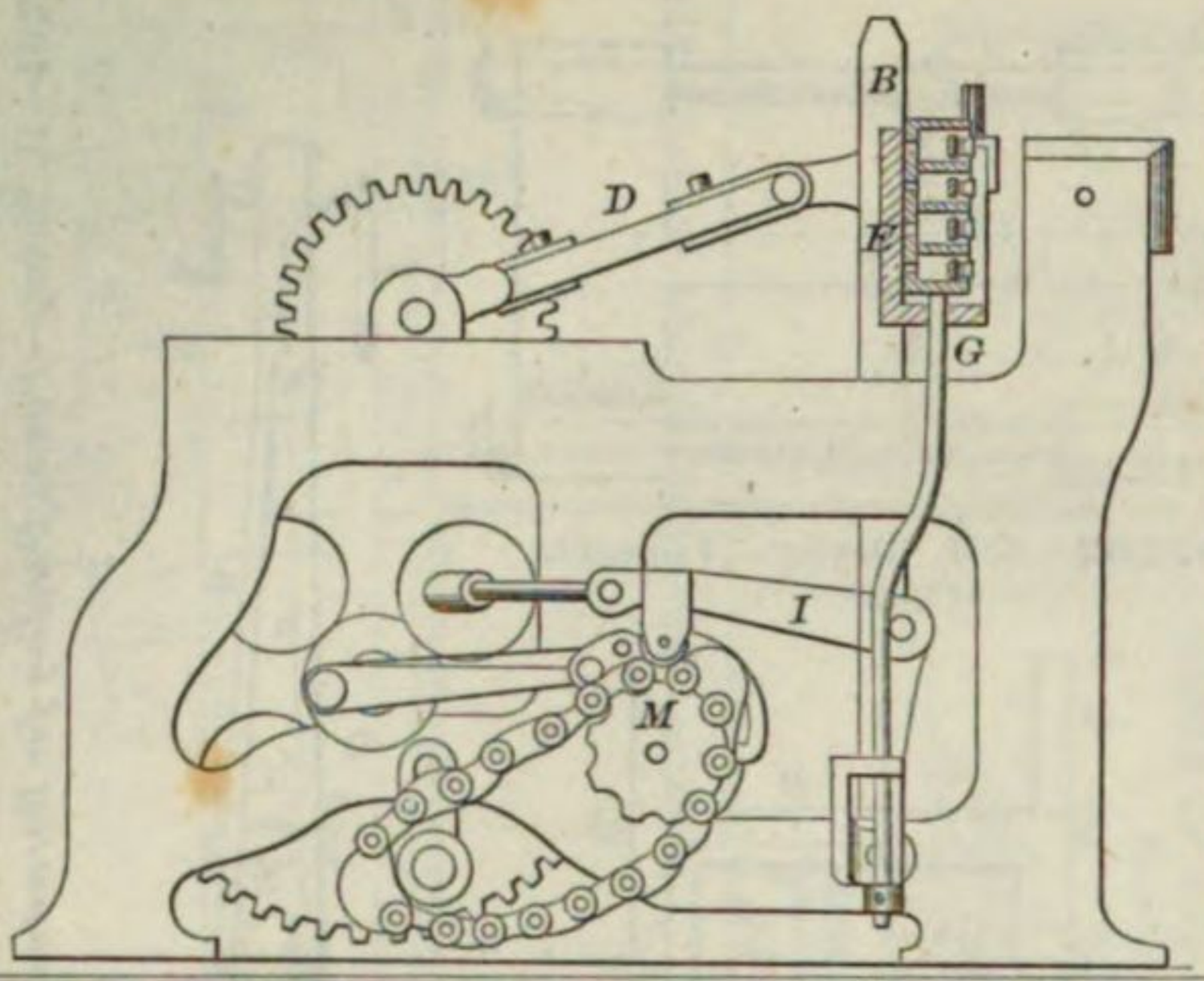
53263—A. T. Boon—*Gate.*



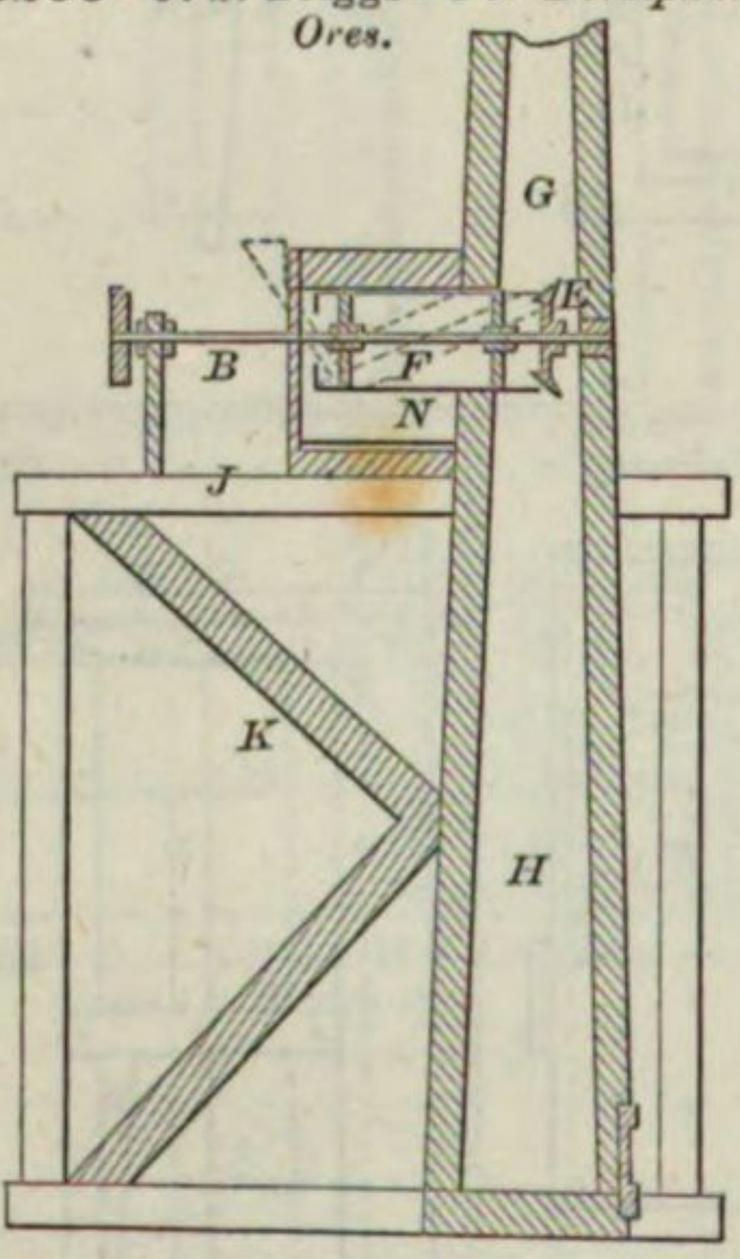
53264—J. C. Boyd—*Ditching Machine.*



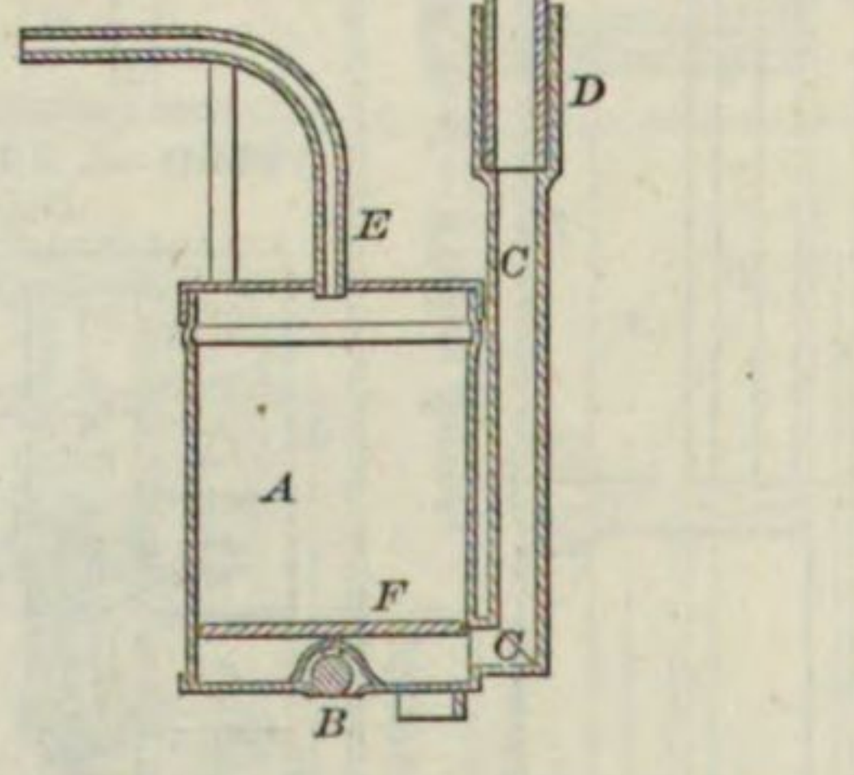
53265—J. Braun—*Loom.*



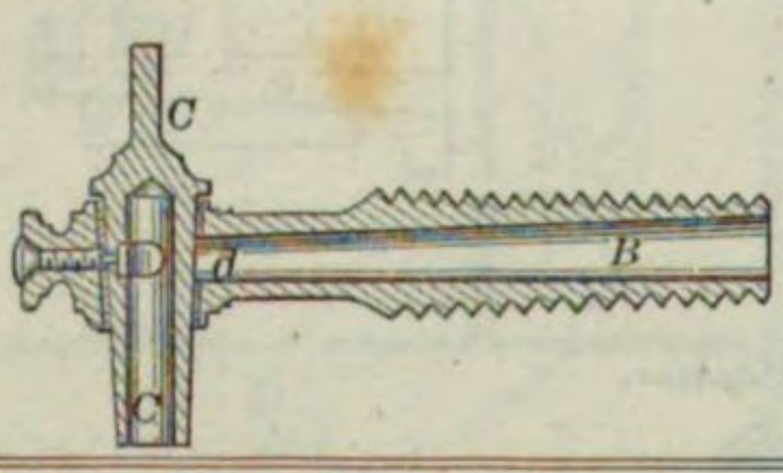
53266—J. S. Briggs—*For Desulphurizing Ores.*



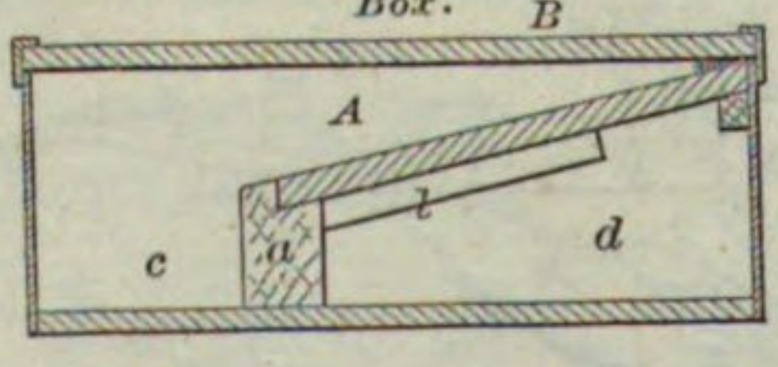
53269—W. H. Butler—*Steam Pump for Railroad Stations.*



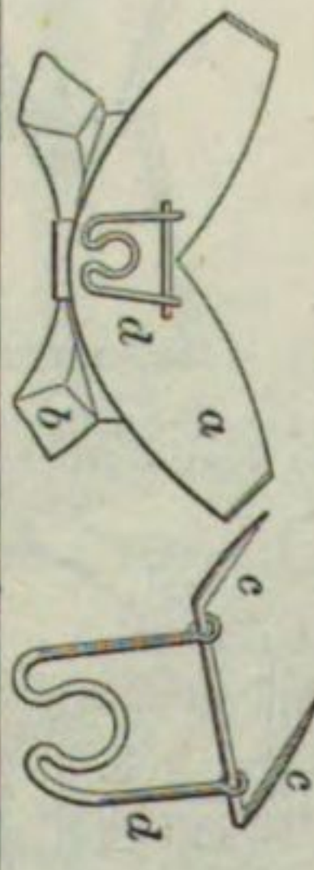
53271—W Cleveland—*Stop Faucet.*



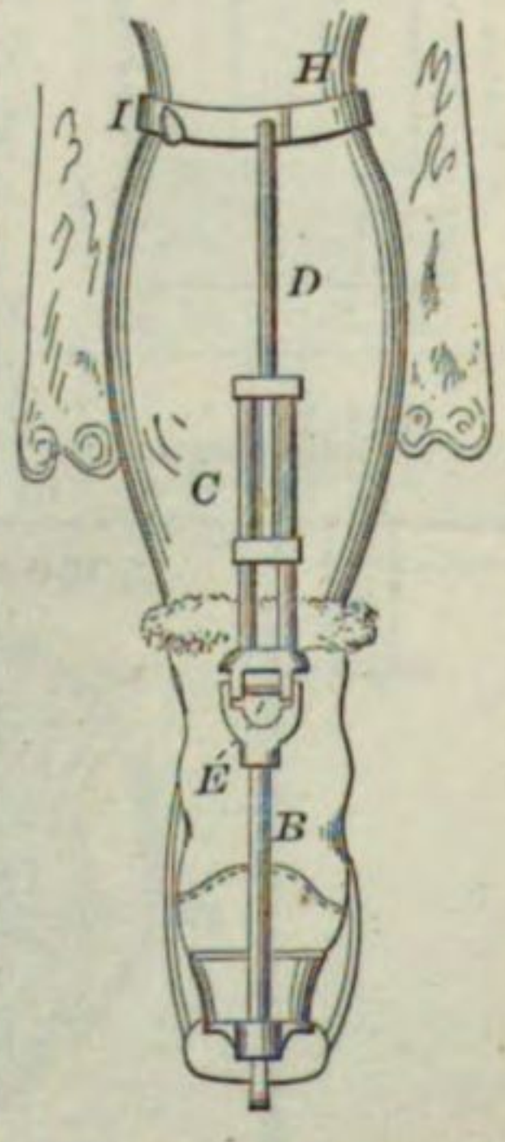
53275—C. D. Copeland—*Knife Cleaning Box.*



53272—J. R. Cluxton—*Neck Tie.*

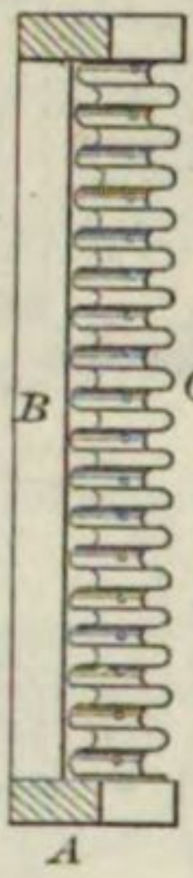


53276—R. Cunningham—*Ankle Supporter.*

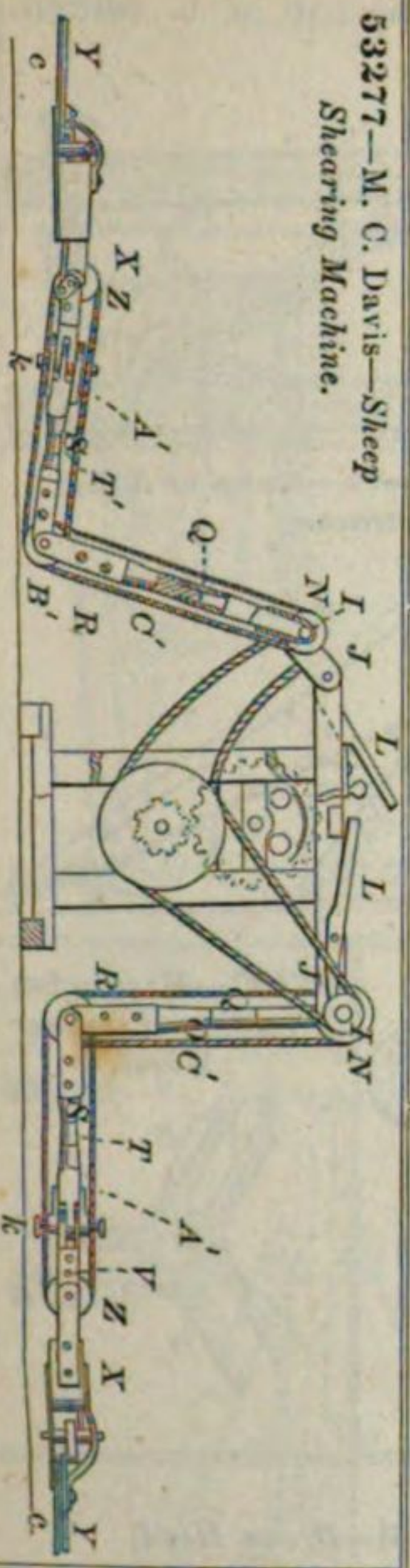


53274—Cooper & Southworth—*Bonnet Frame.*

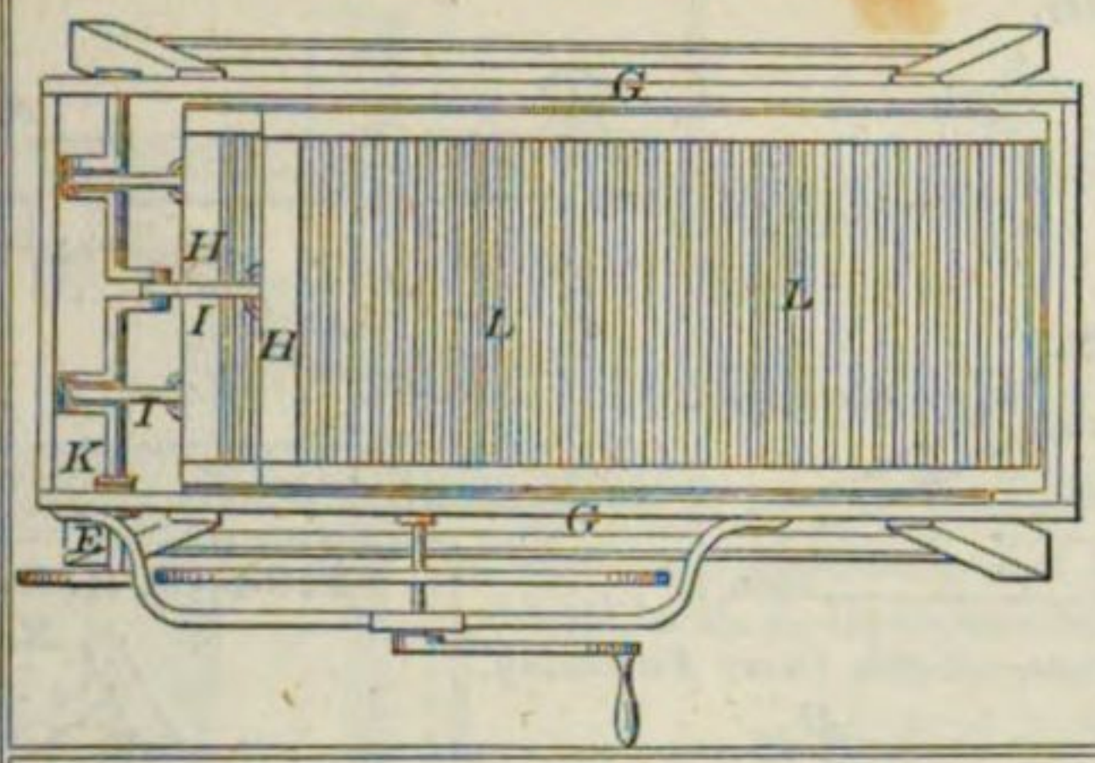
53268—A. Burbank—*Flour Bolt and Bran Duster.*



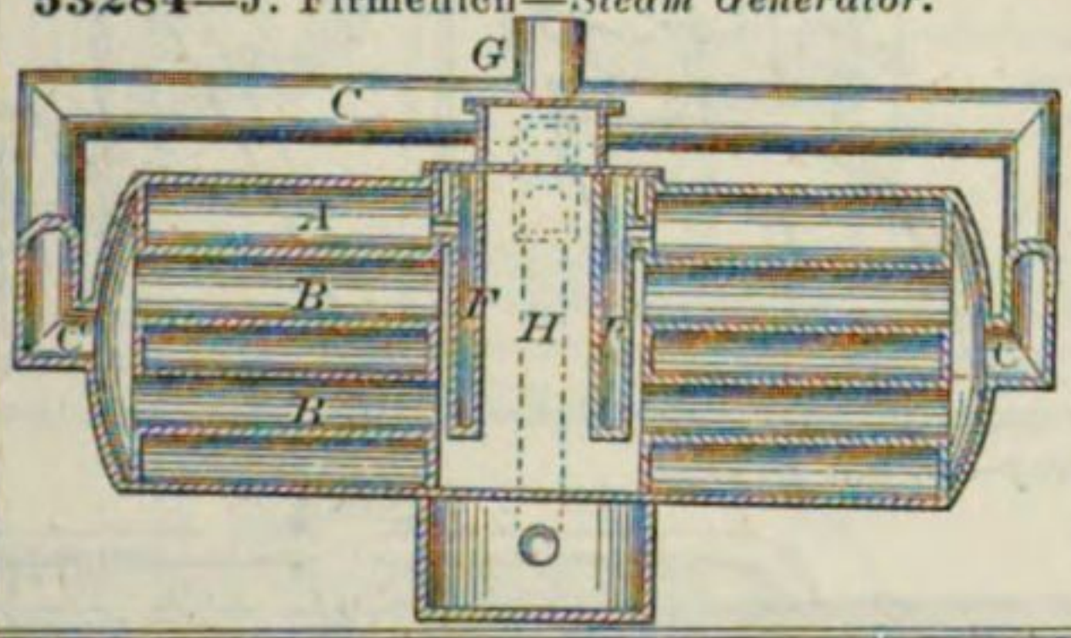
53277—M. C. Davis—*Sheep Shearing Machine.*



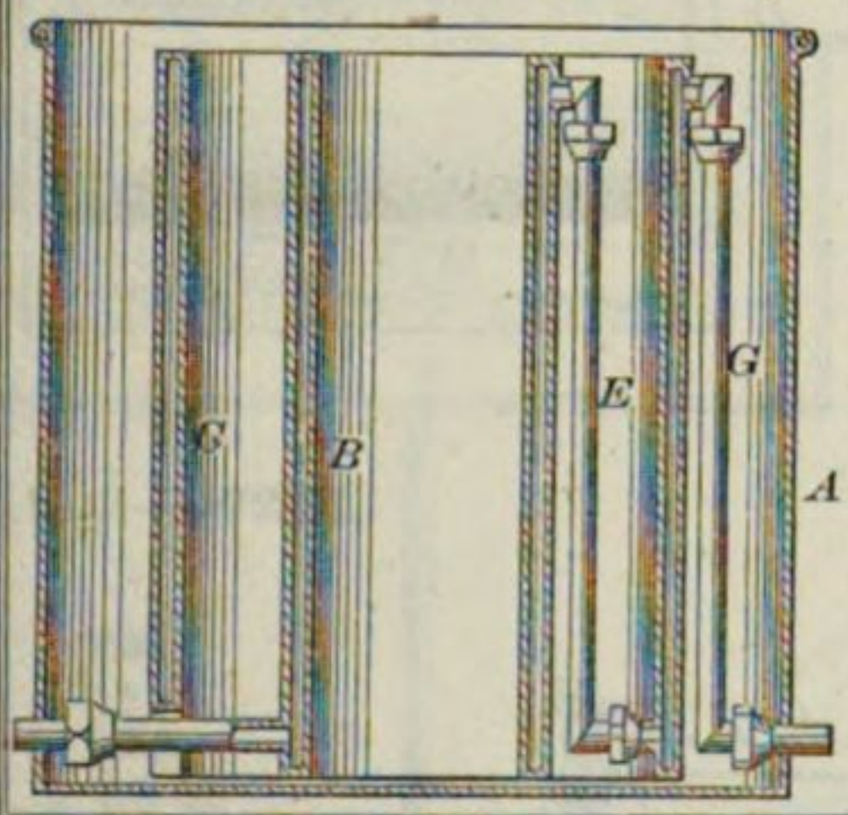
53278—D. Dishart—*Washing Machine.*



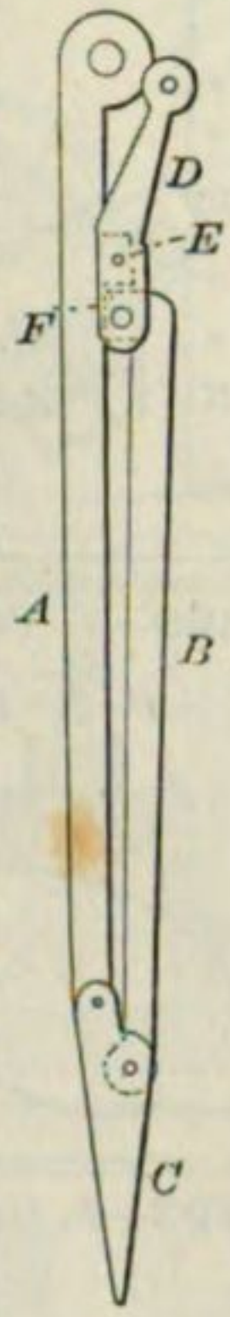
53284—J. Firmenich—*Steam Generator.*



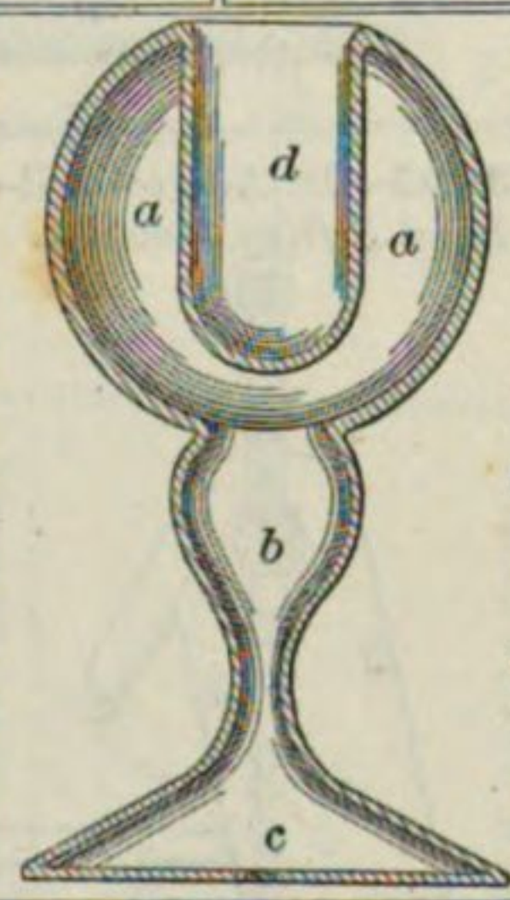
53285—A. Fischer—*Beer Cooler, &c.*



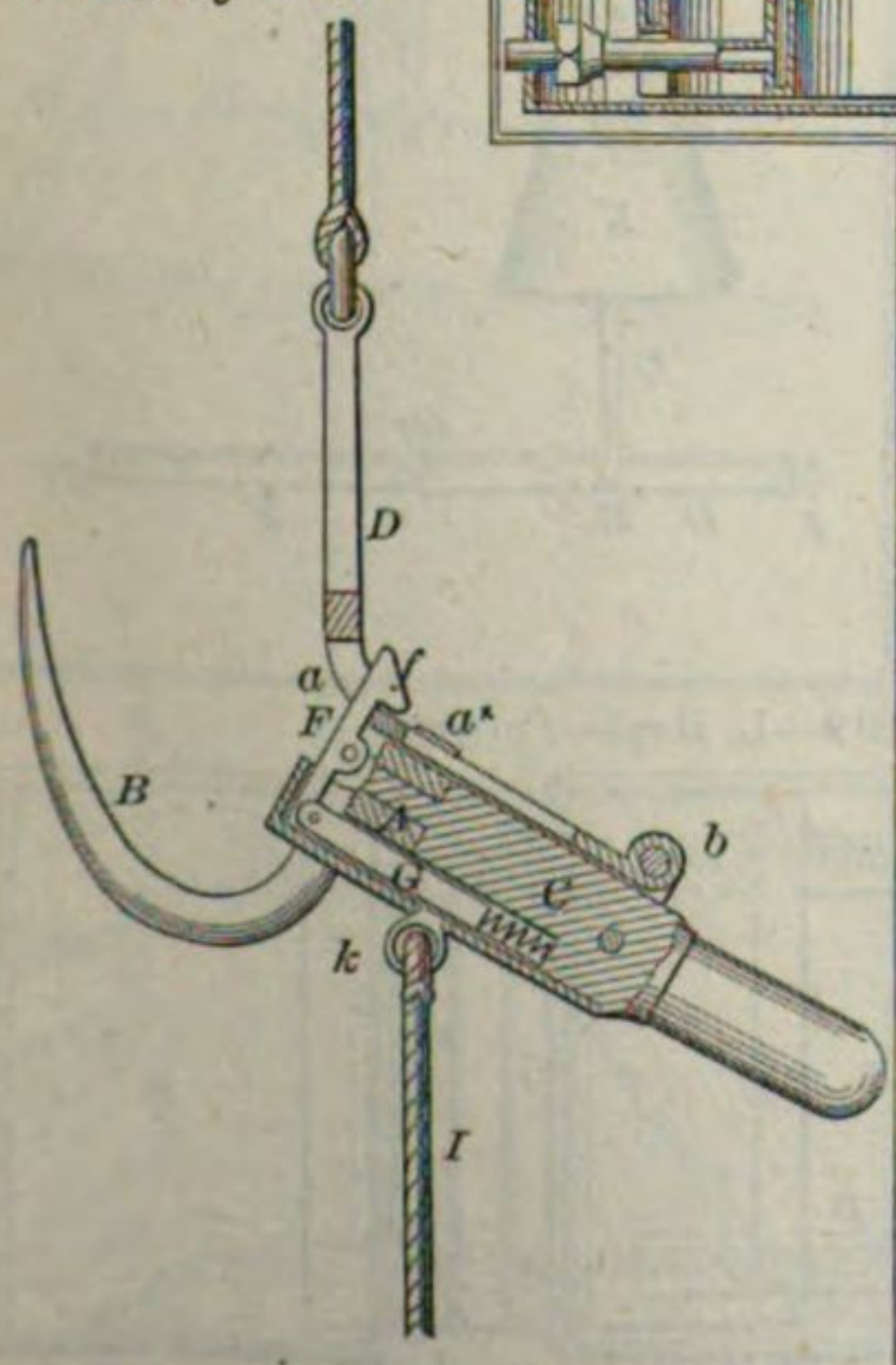
53286—Fisher & Ball—*Horse Hay Fork.*



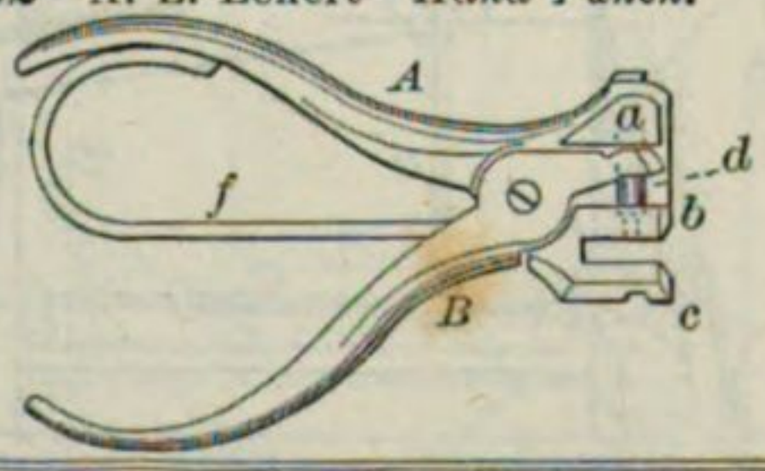
53279—E. Dithridge—*Bouquet Holder.*



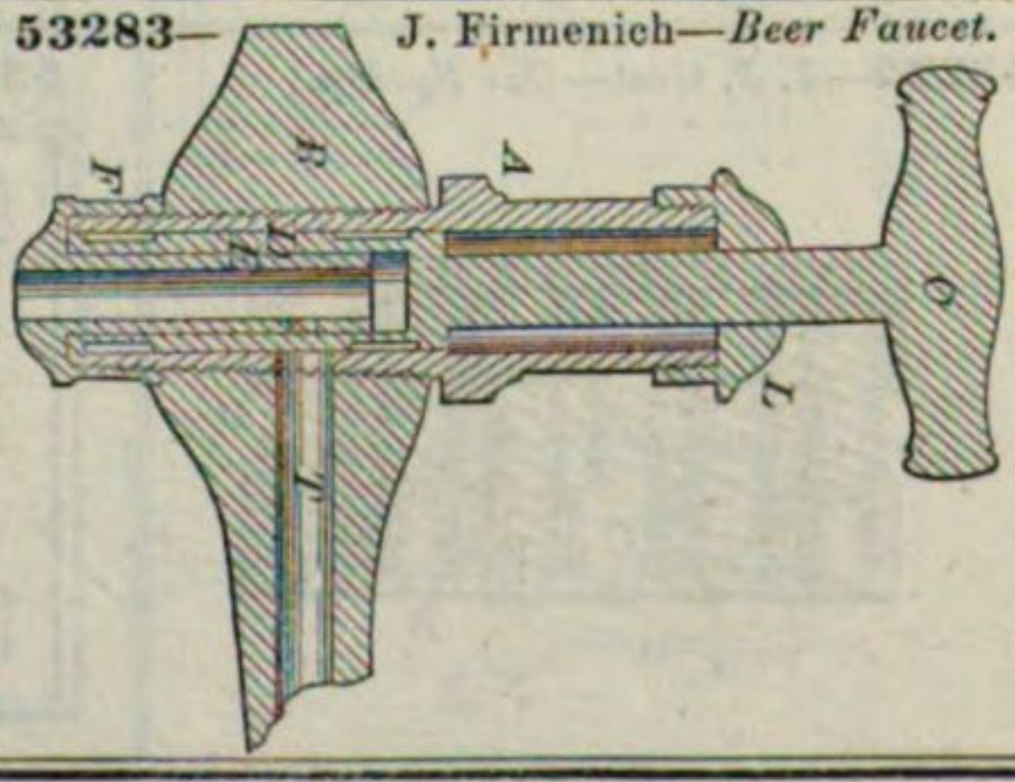
53288—T. Foster—*Horse Hay Fork.*



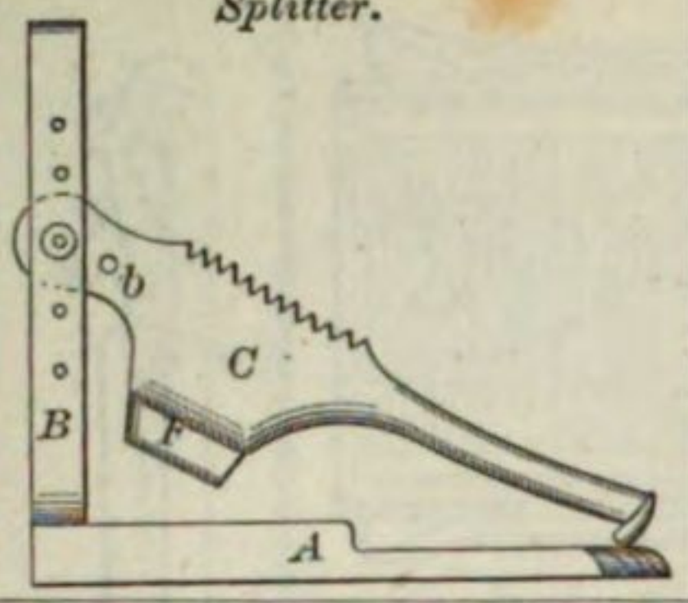
53282—A. L. Eckert—*Hand Punch.*



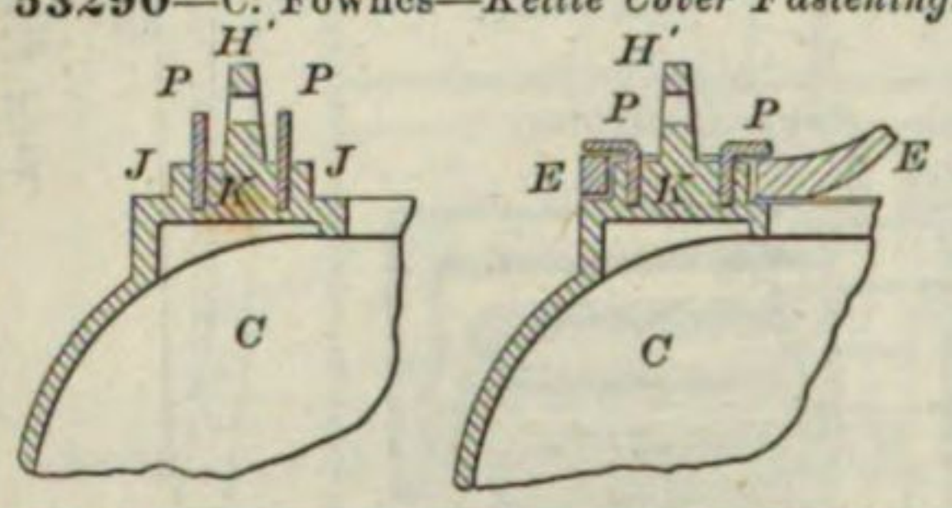
53283—J. Firmenich—*Beer Faucet.*



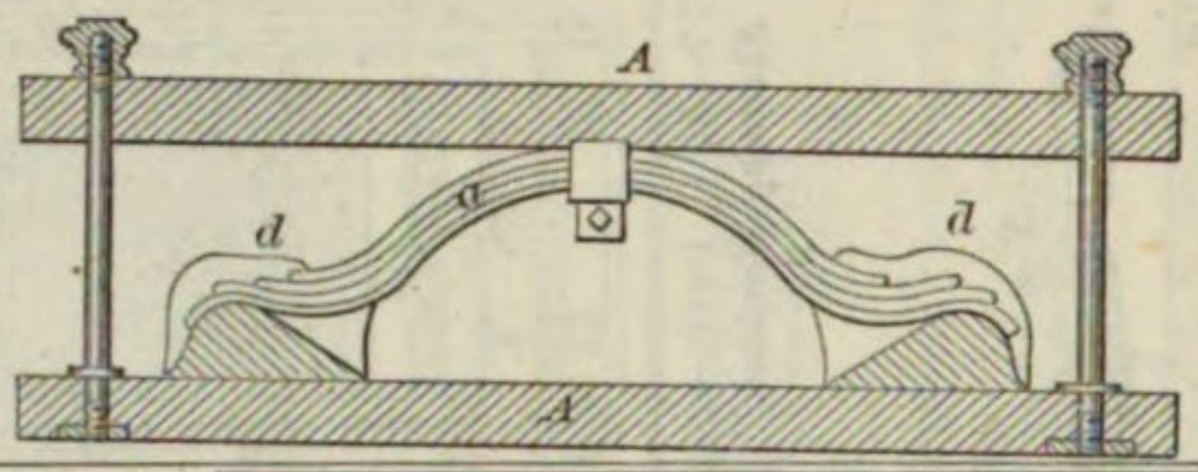
53289—G. B. Fowler—*Wood Splitter.*



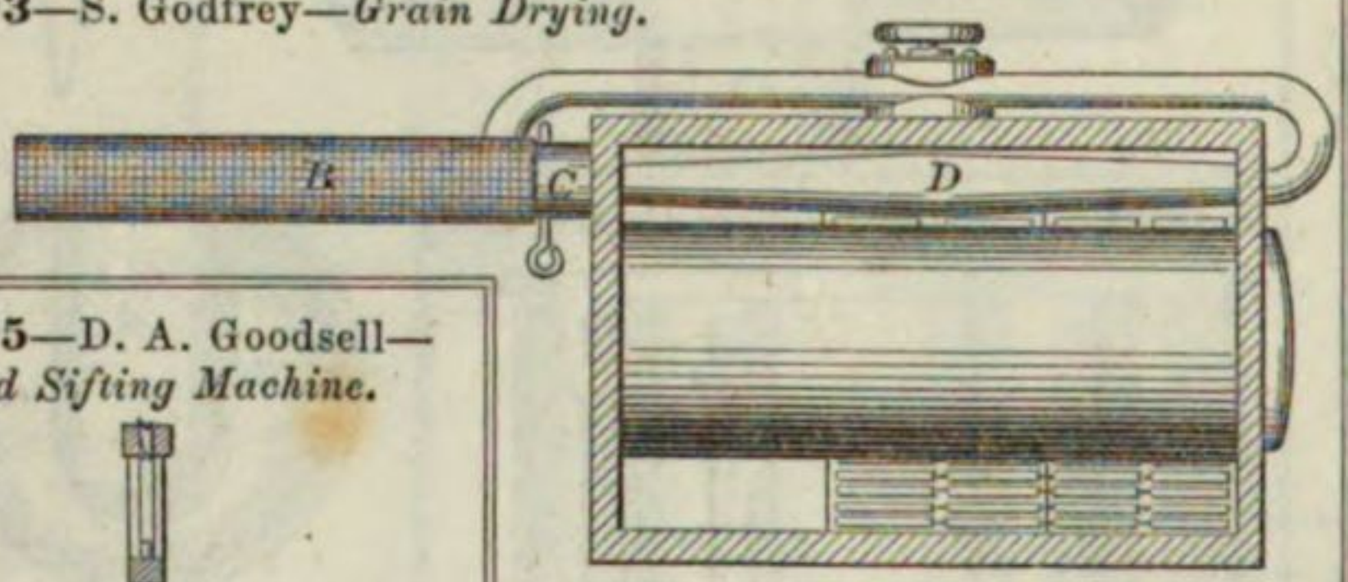
53290—C. Fownes—*Kettle Cover Fastening.*



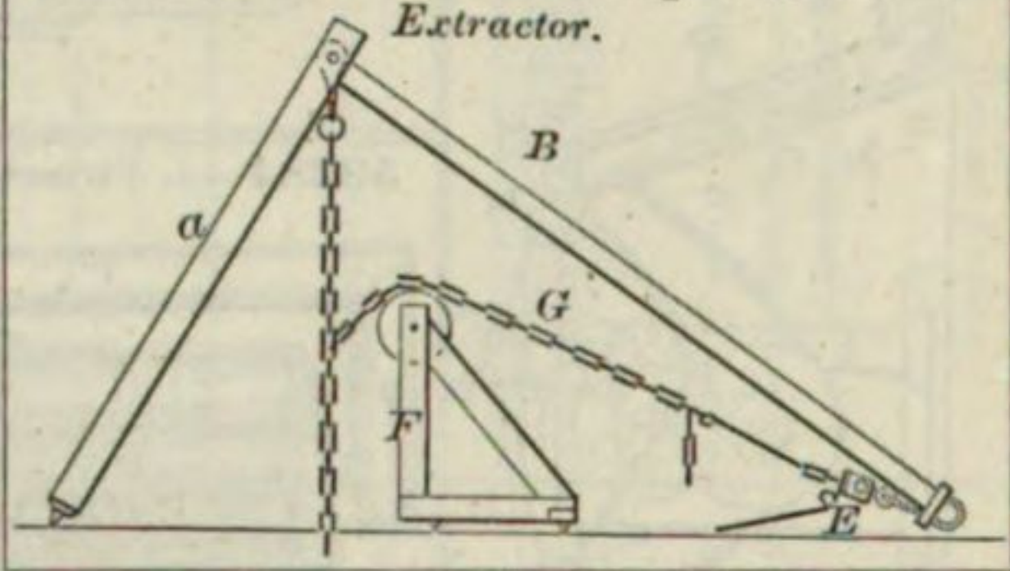
53291—J. J. Gest—*Car Spring.*



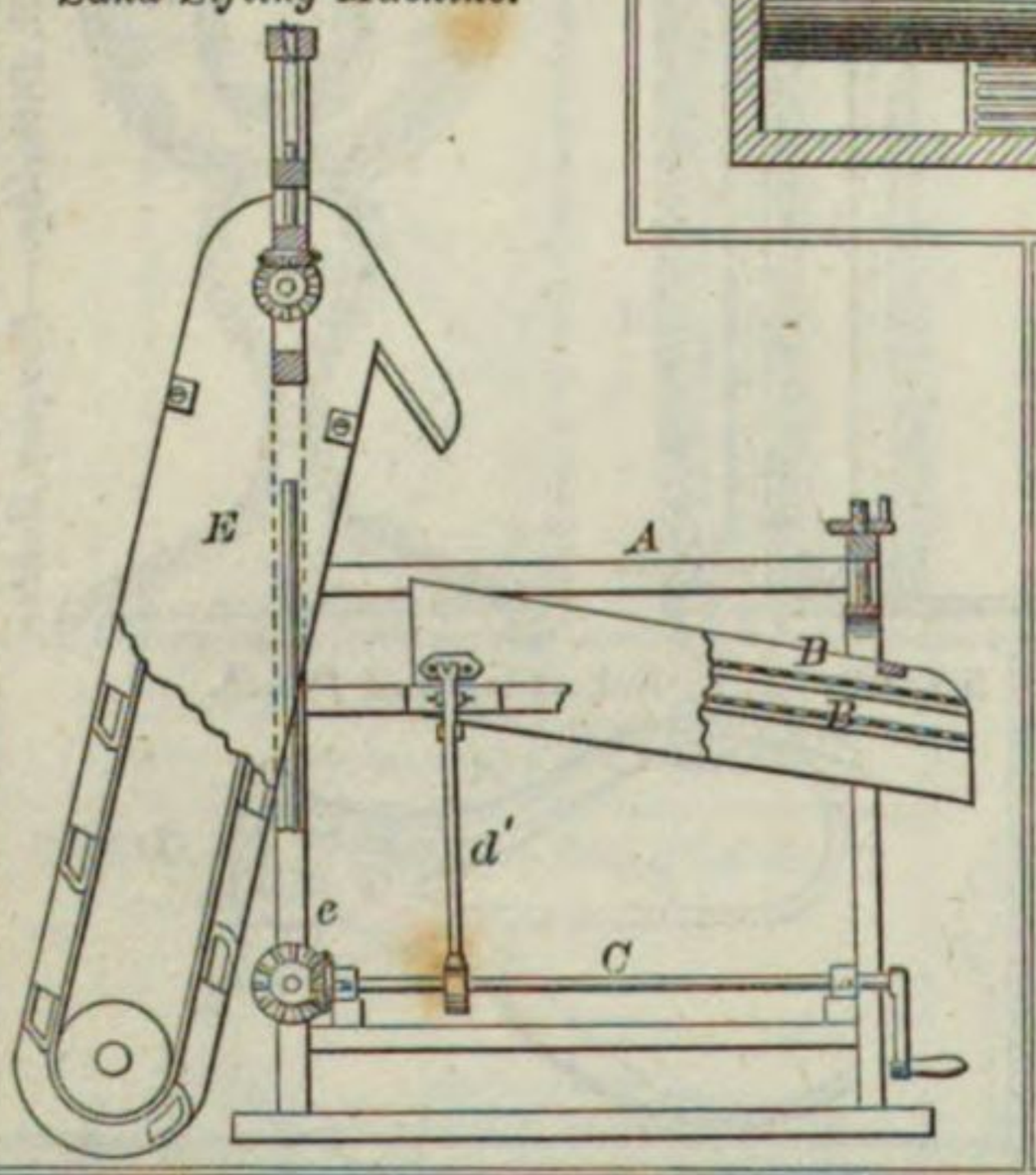
53293—S. Godfrey—*Grain Drying.*



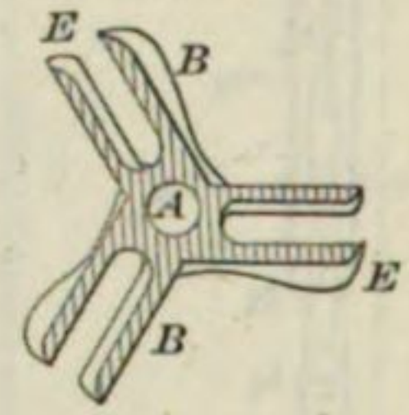
53294—J. H. Green—*Stump or Stone Extractor.*



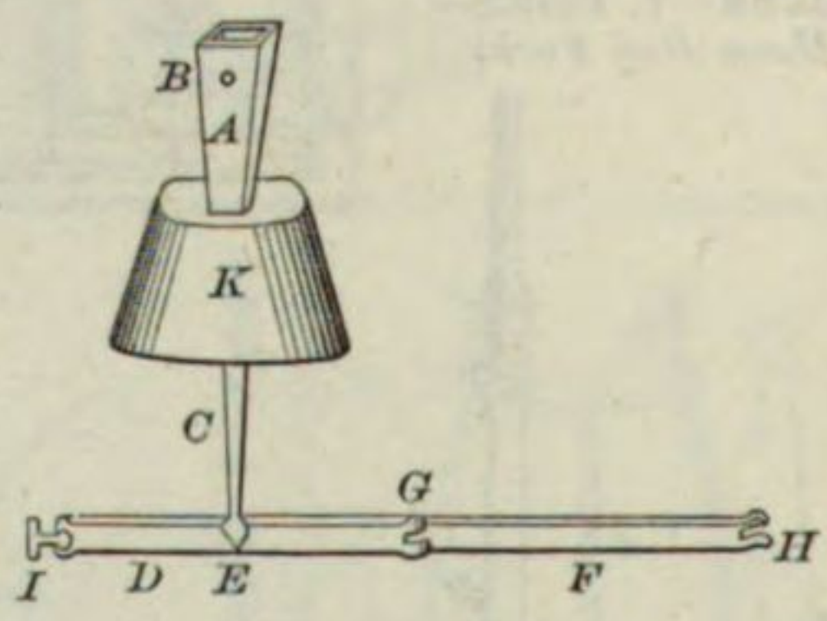
53295—D. A. Goodsell—*Sand Sifting Machine.*



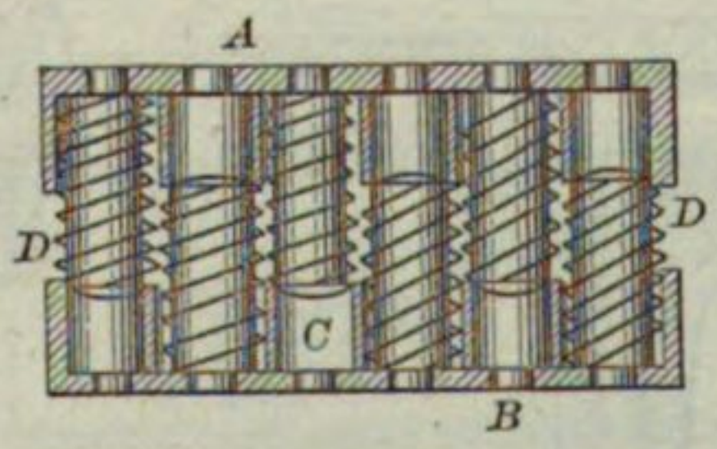
53297—Harrington & Caffrey—*Propeller Wheel.*



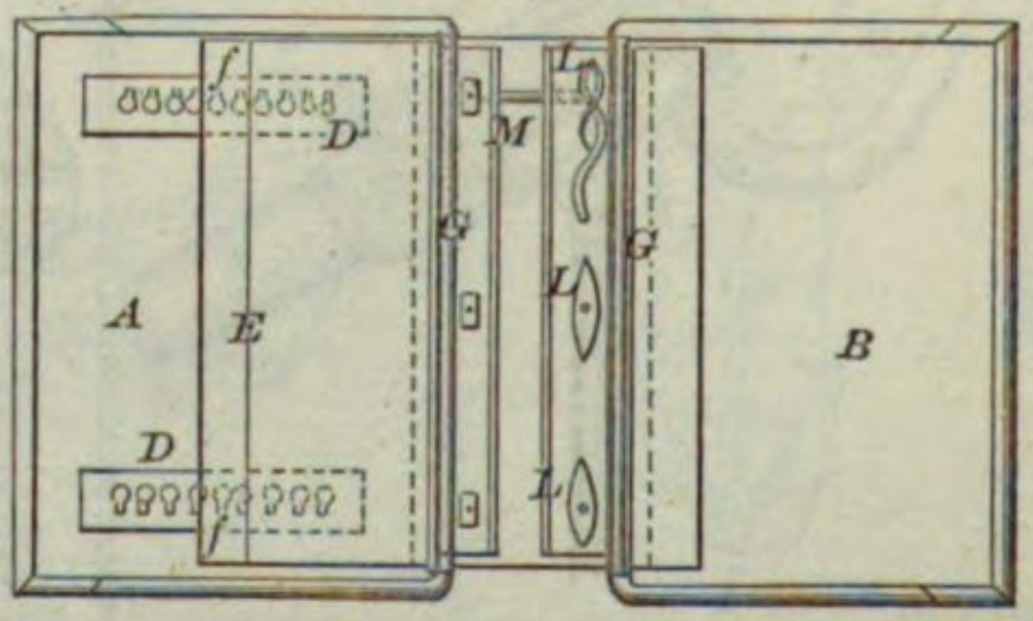
53296—N. Hall—*Broom Head.*



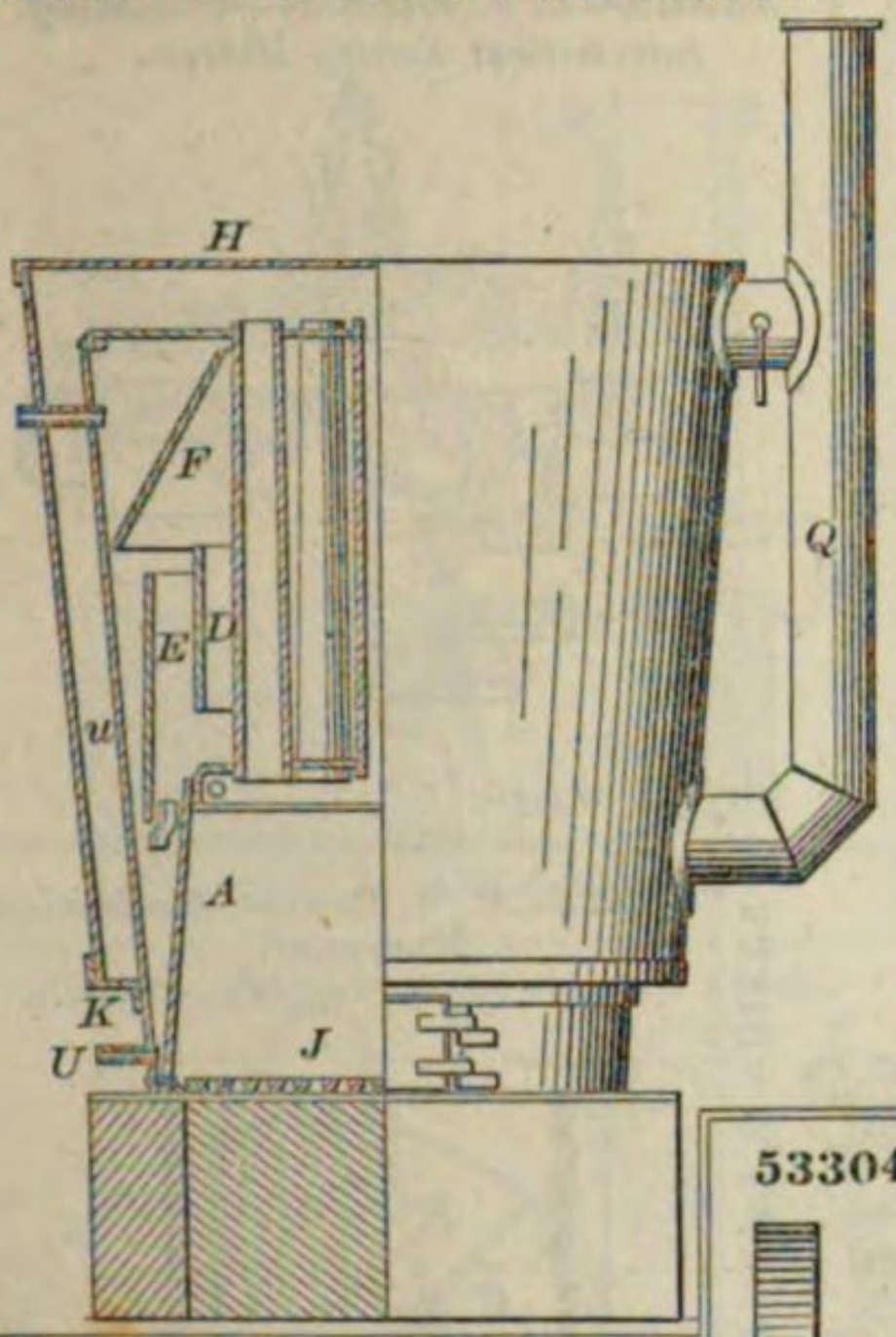
53292—J. J. Gest—*Car Spring.*



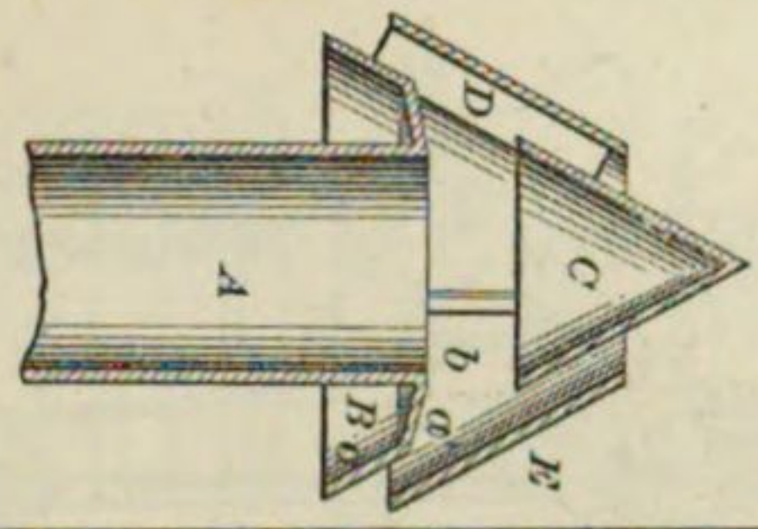
53299—L. Heyl—*Portfolio.*



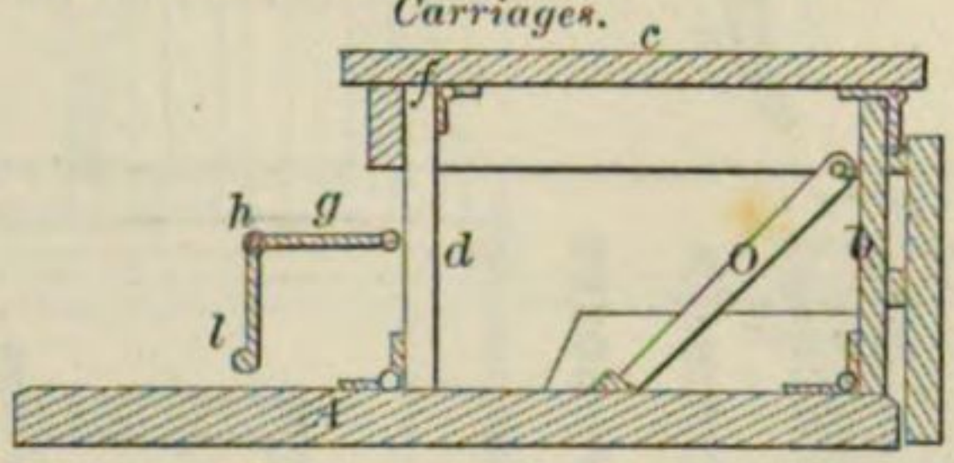
53300—J. M. Hicks—*Steam Generator.*



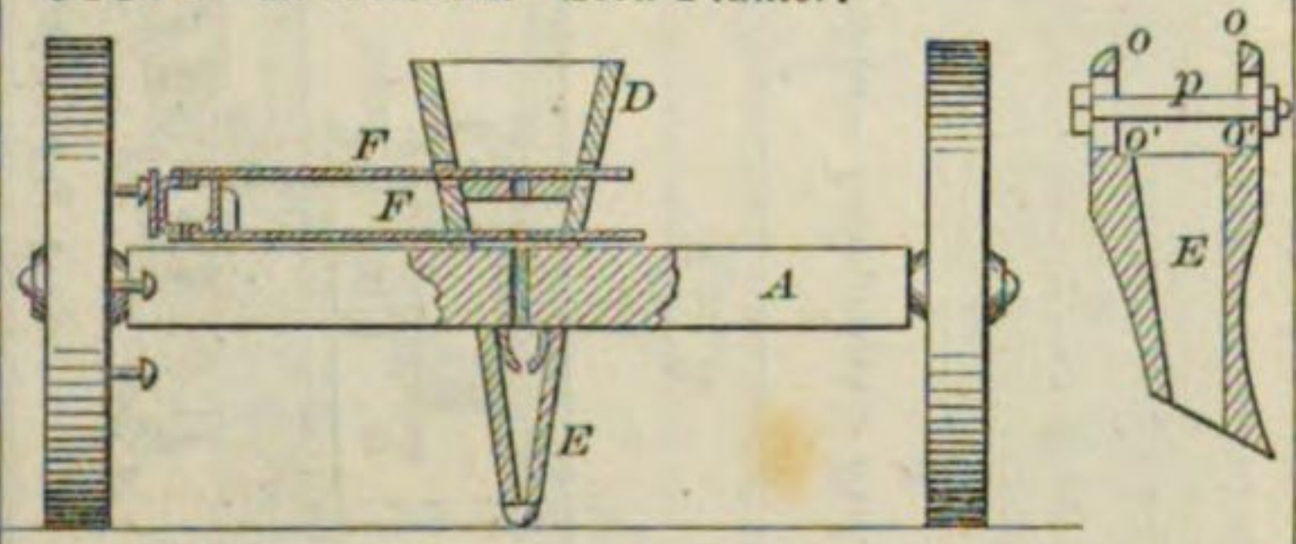
53301—W. H. Horton—*Chimney Cap.*



53302—P. F. Hulbert—*Step Block for Carriages.*



53304—R. Ketcham—*Seed Planter.*



53305—W. R. King—*Rock Drill.*

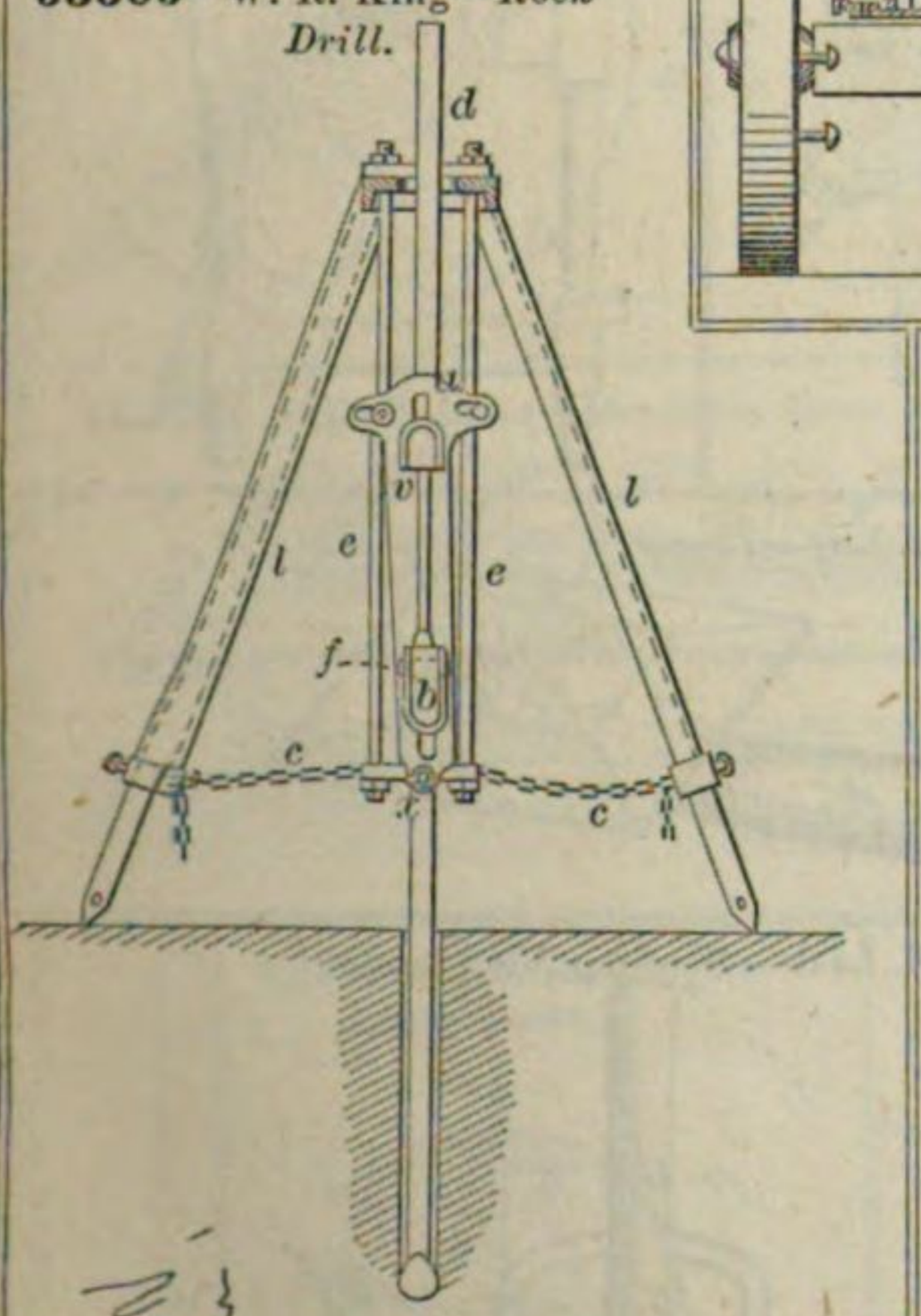
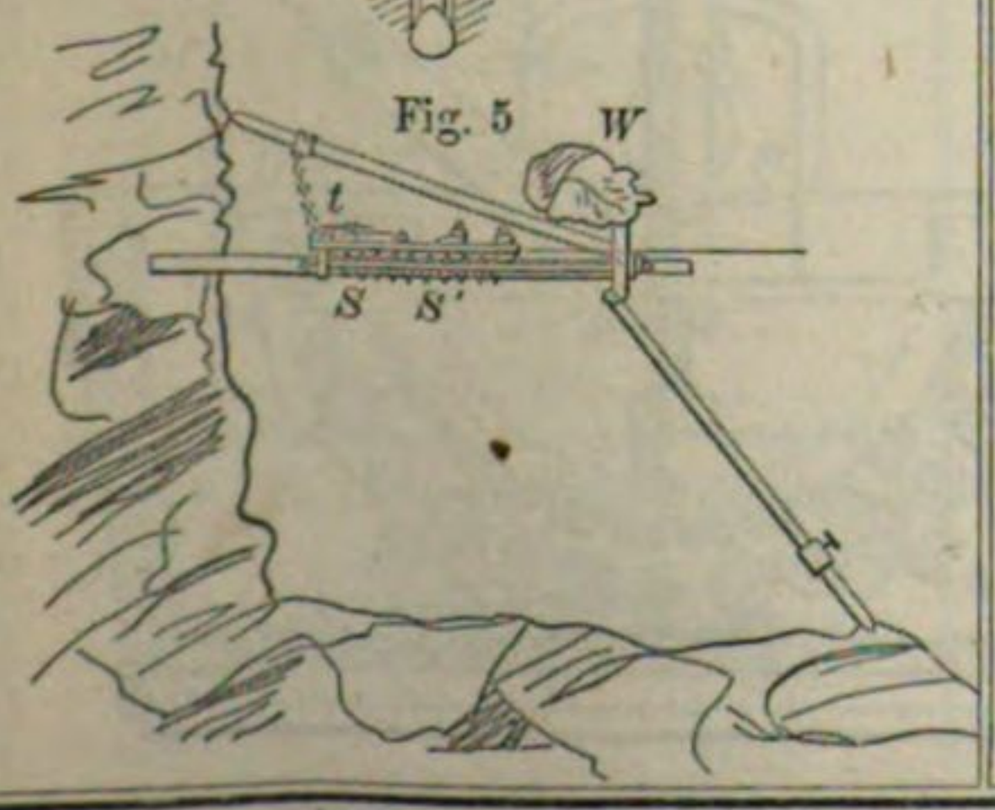
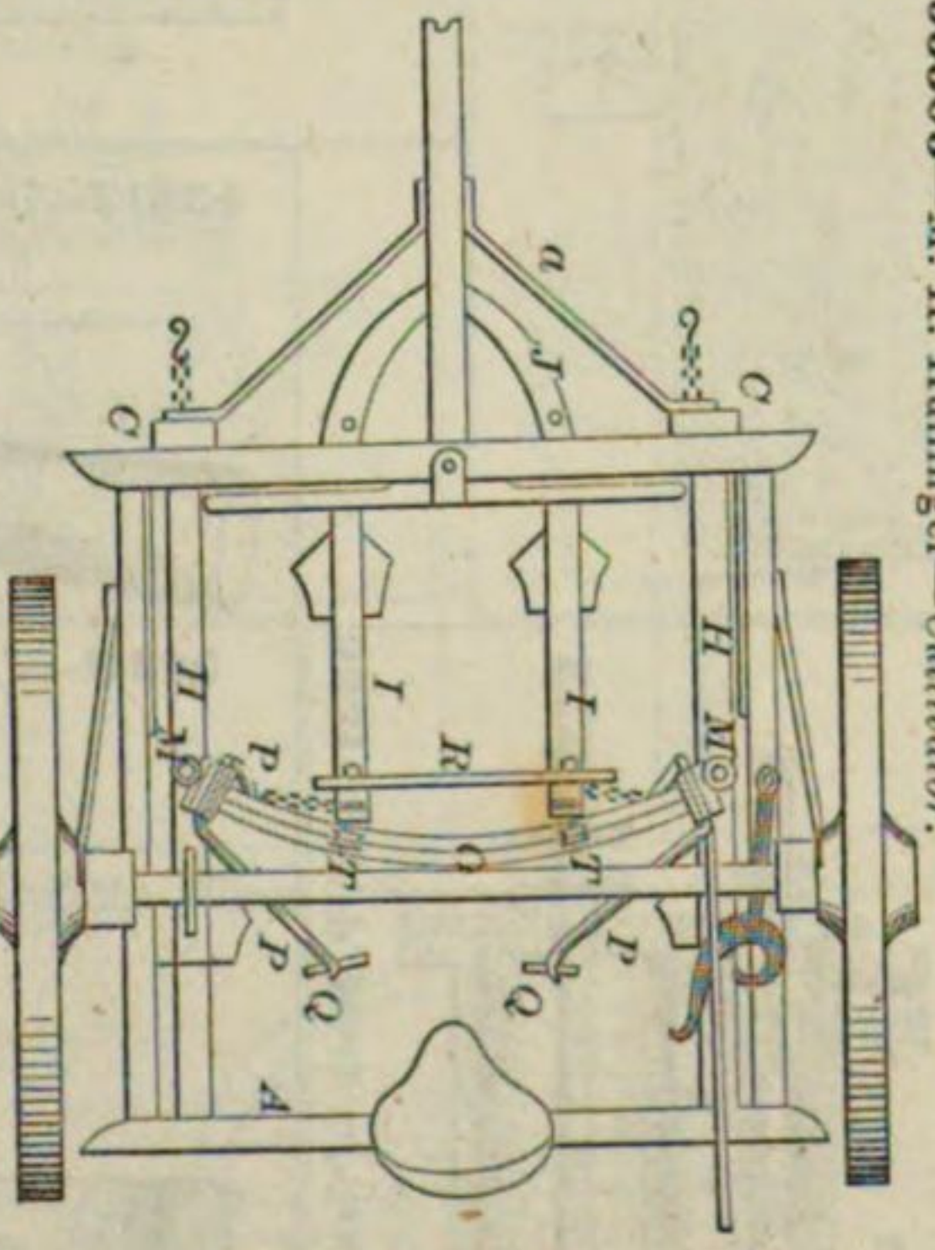
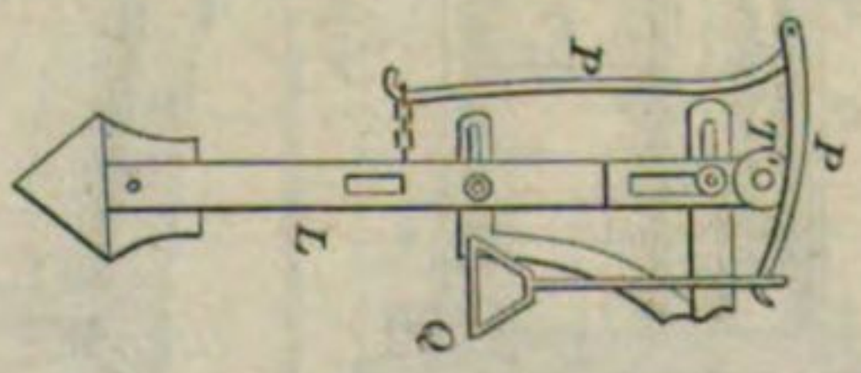


Fig. 5

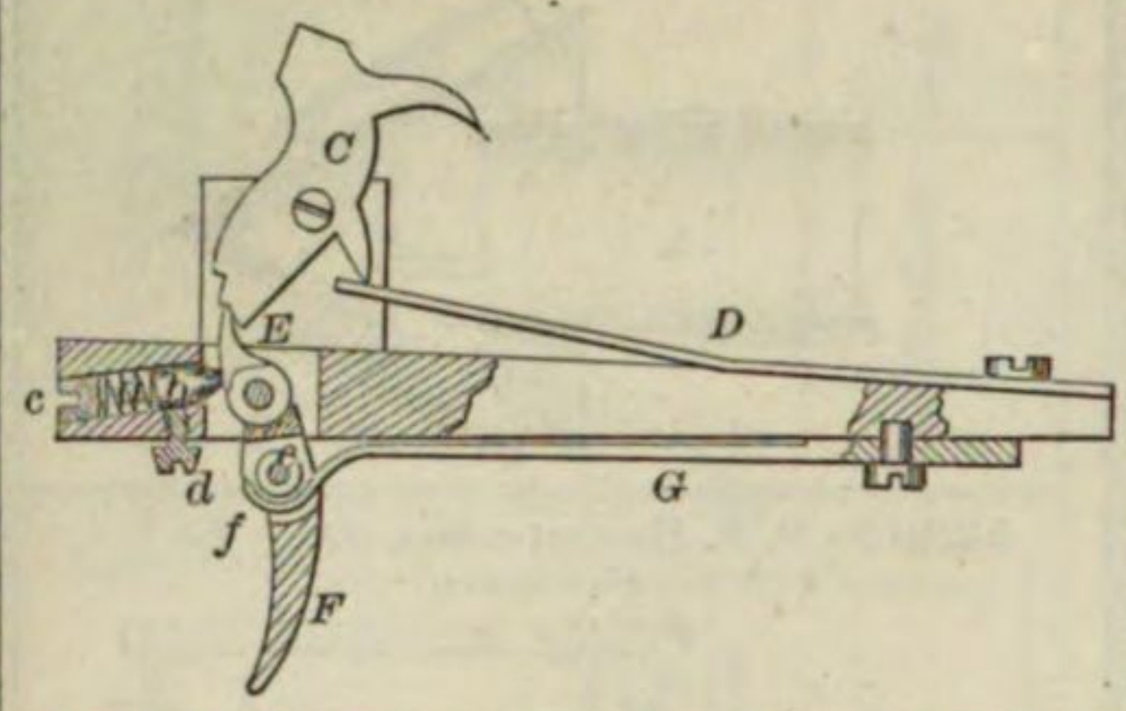


53303—M. H. Hullinger—*Cultivator.*

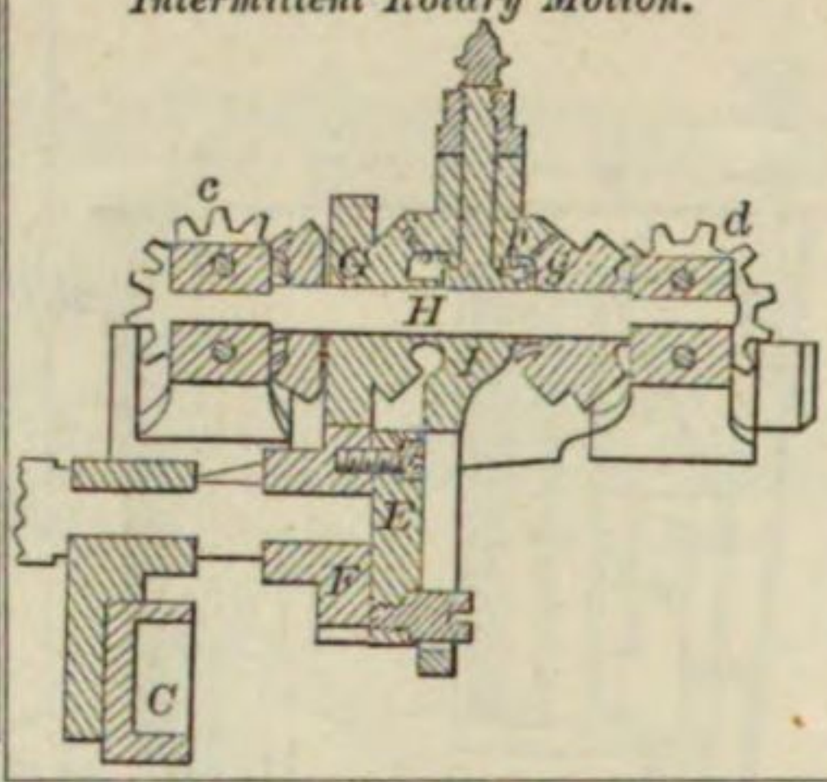




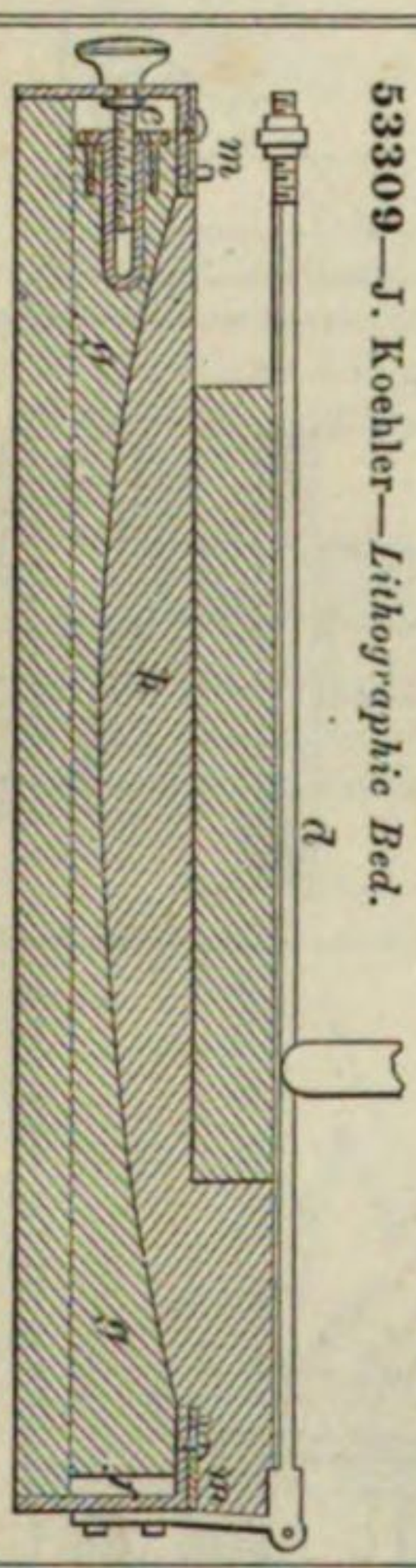
53306—E. C. Kirk—*Gun Lock.*



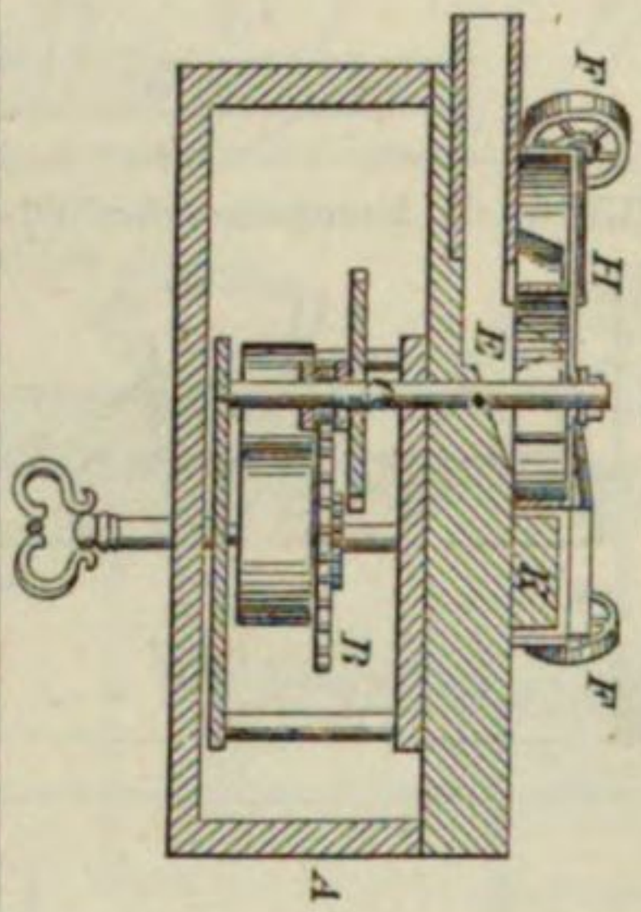
53308—L. J. Knowles—*Obtaining Intermittent Rotary Motion.*



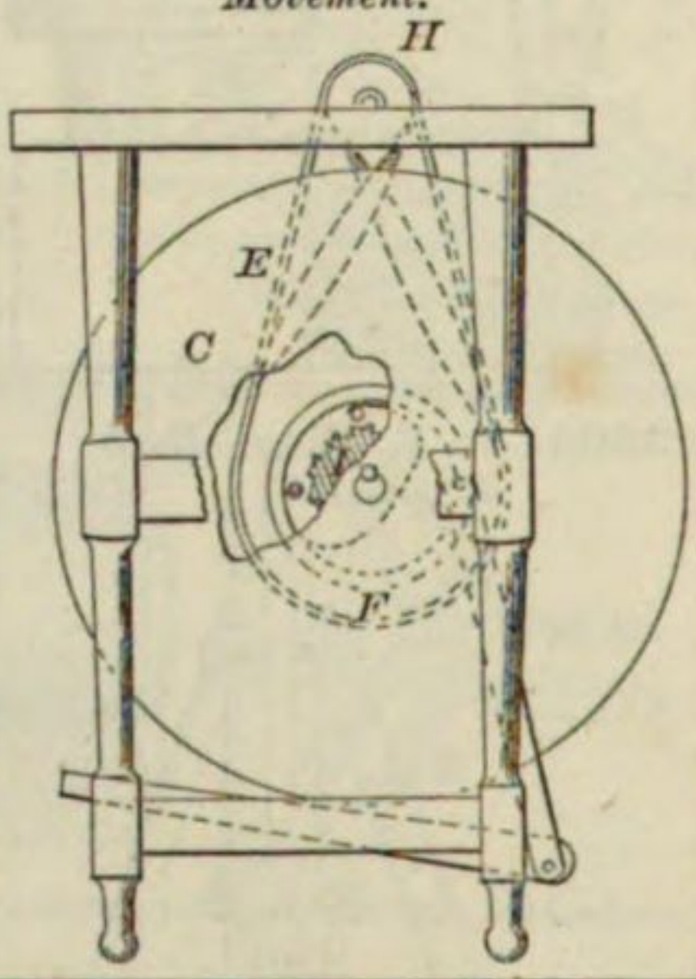
53309—J. Koehler—*Lithographic Bed.*



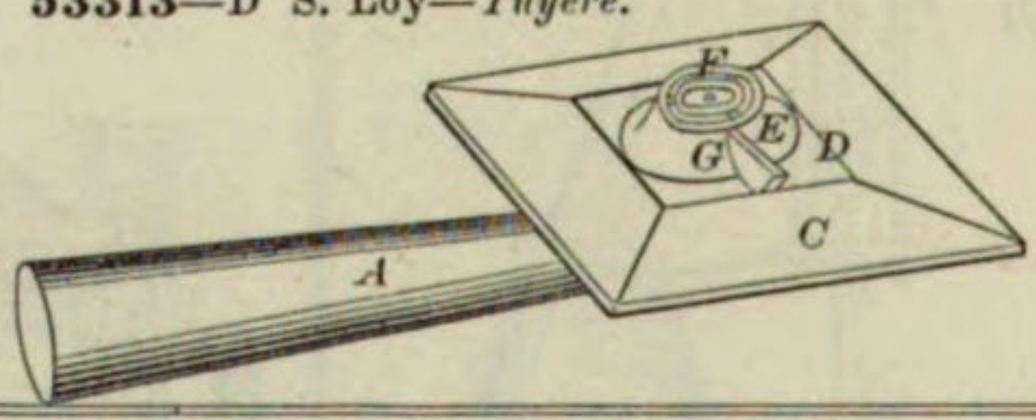
53310—D. Lake—*Fly Trap.*



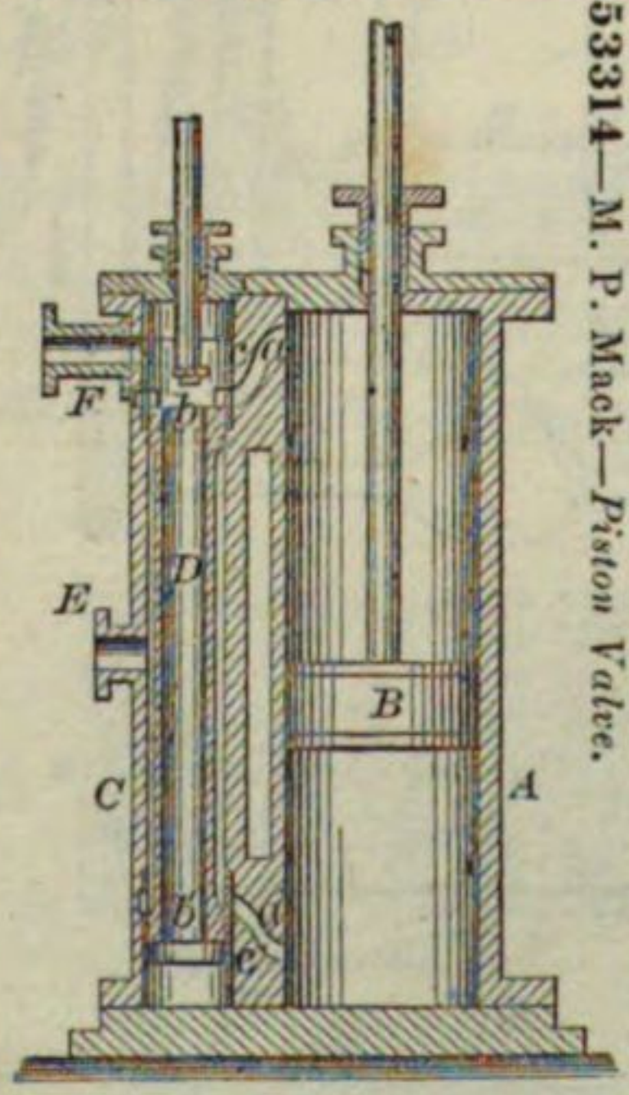
53312—C. B. Lewis—*Mechanical Movement.*



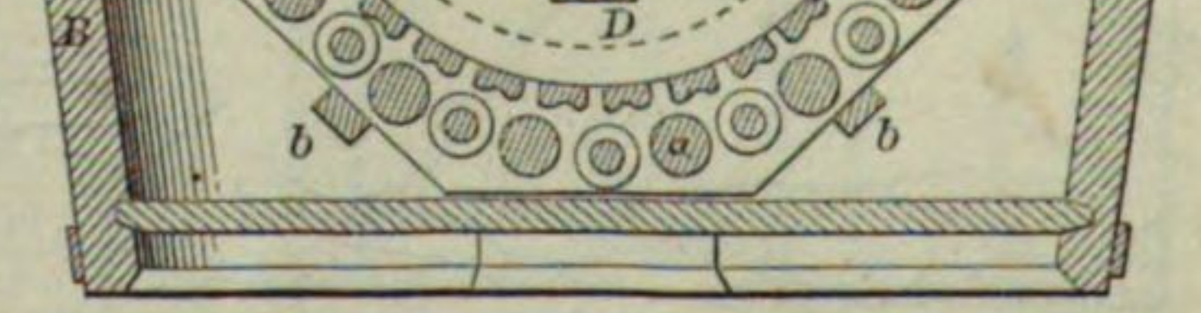
53313—D S. Loy—*Tuyere.*



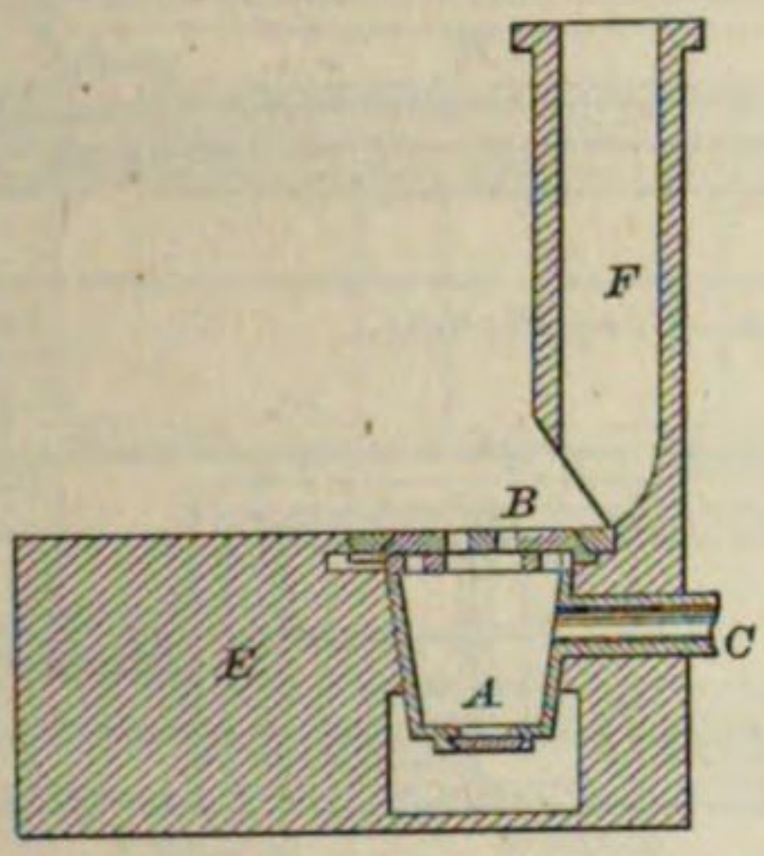
53314—M. P. Mack—*Piston Valve.*



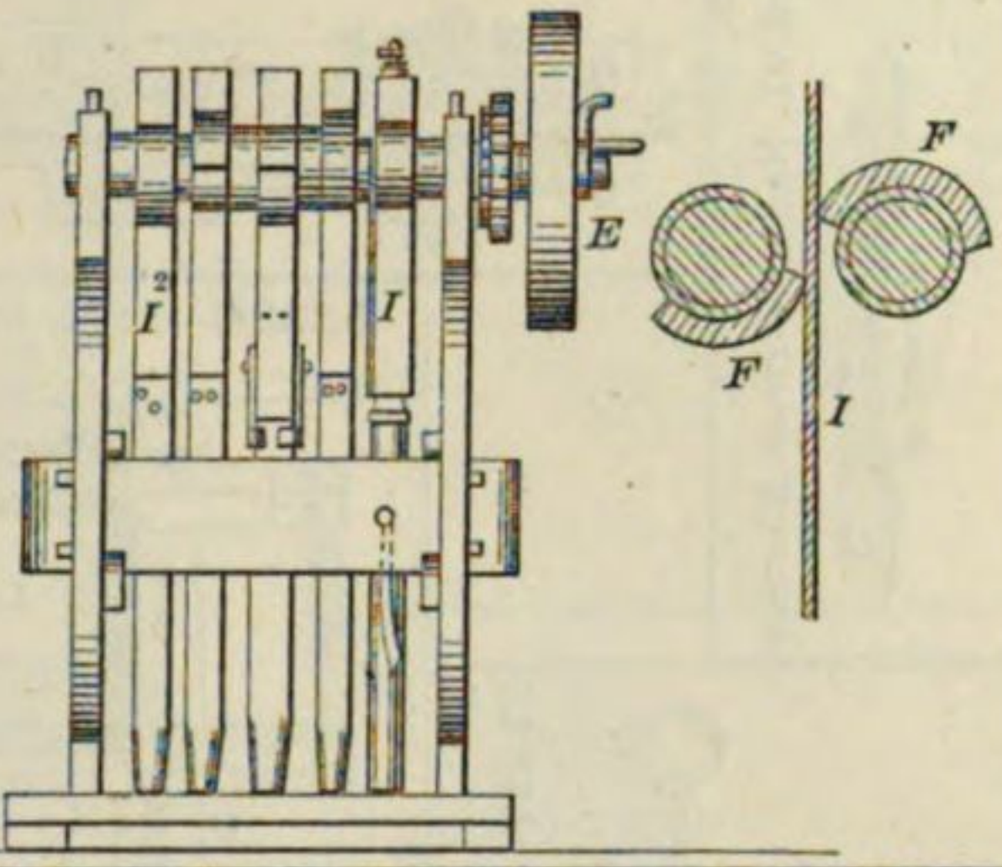
53311—J. S. Lash—*Washing Machine.*



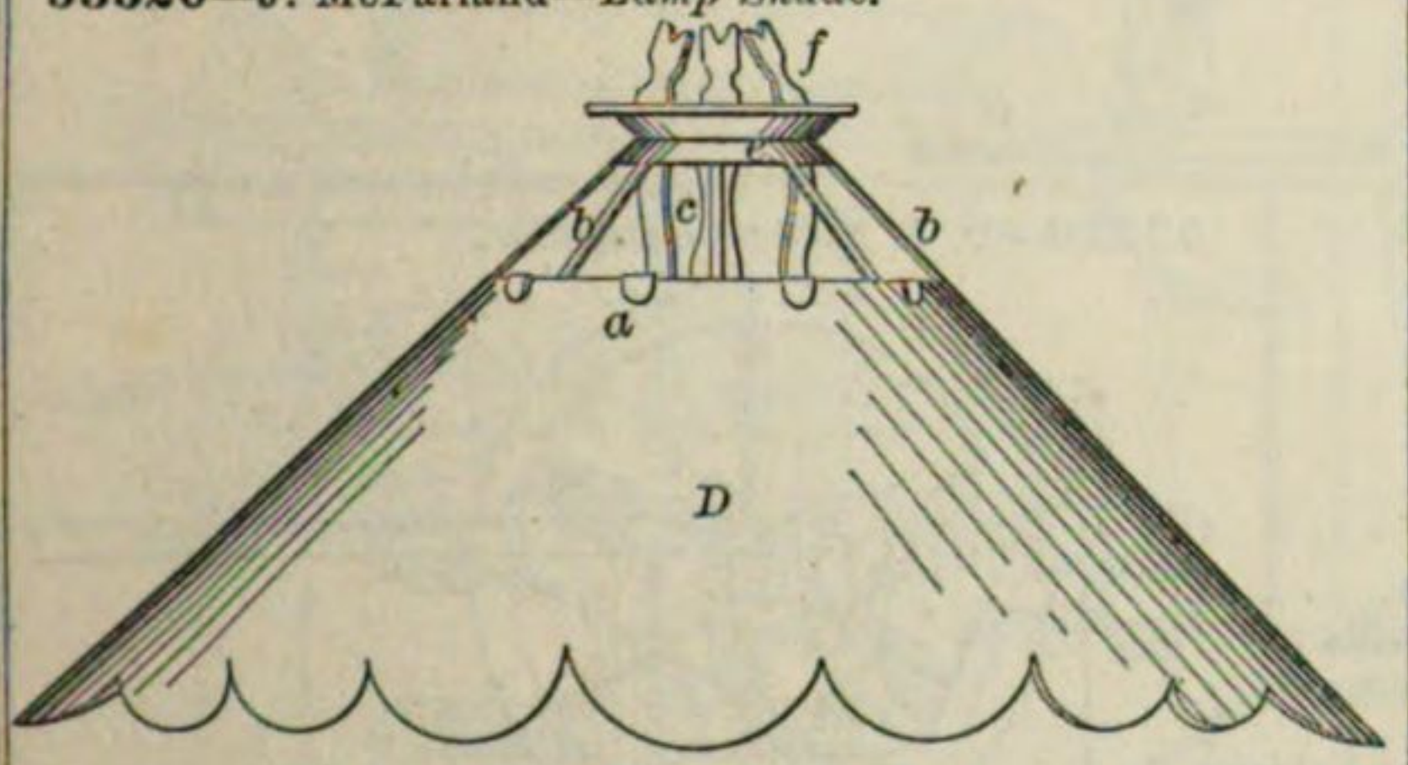
53315—D. J. Martin—*Tuyere.*



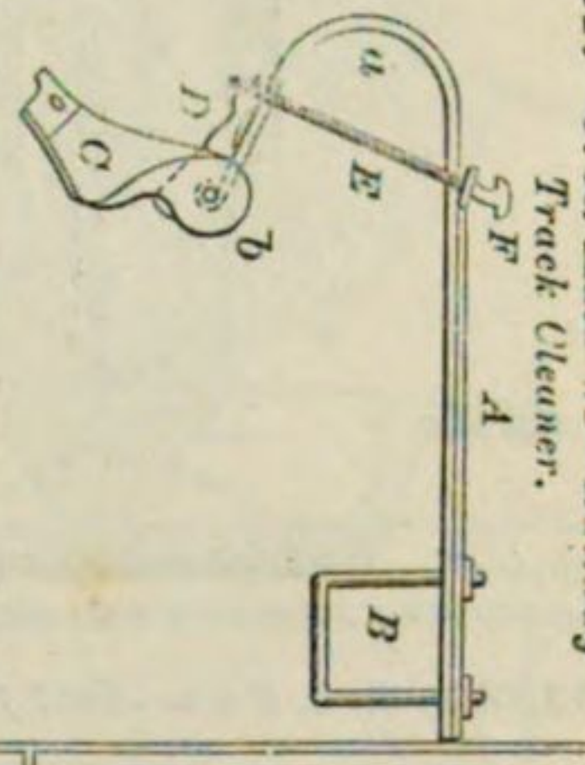
53319—J. M. May—*Quartz Crusher.*



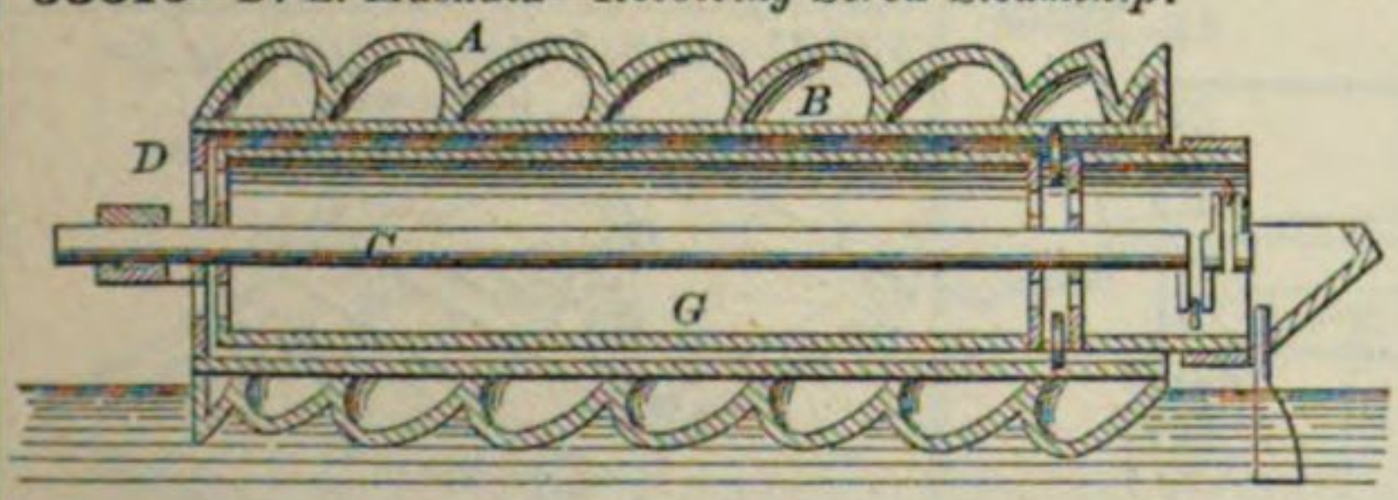
53320—J. McFarland—*Lamp Shade.*



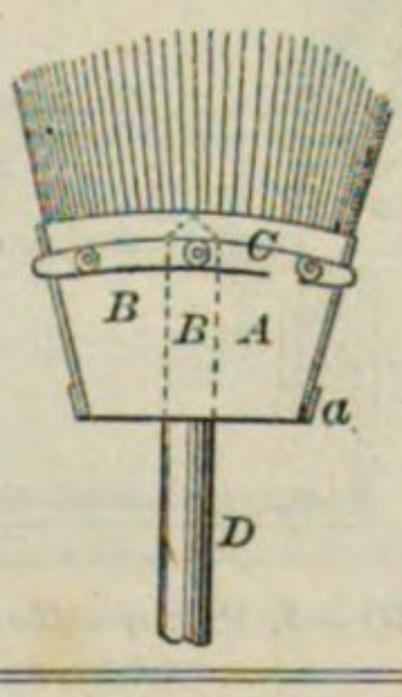
53317—J. A. Mathews—*Railway Track Cleaner.*



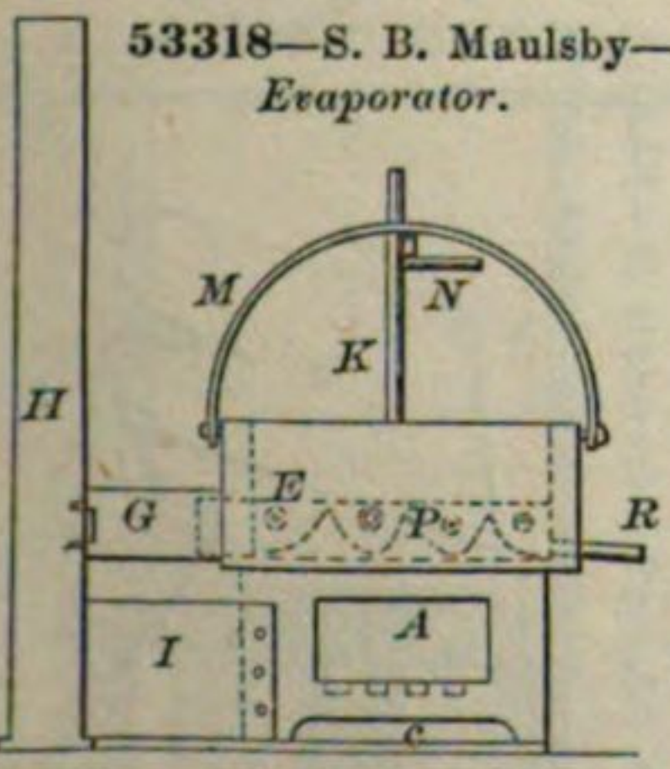
53316—D. E. Masnata—*Revolving Screw Steamship.*



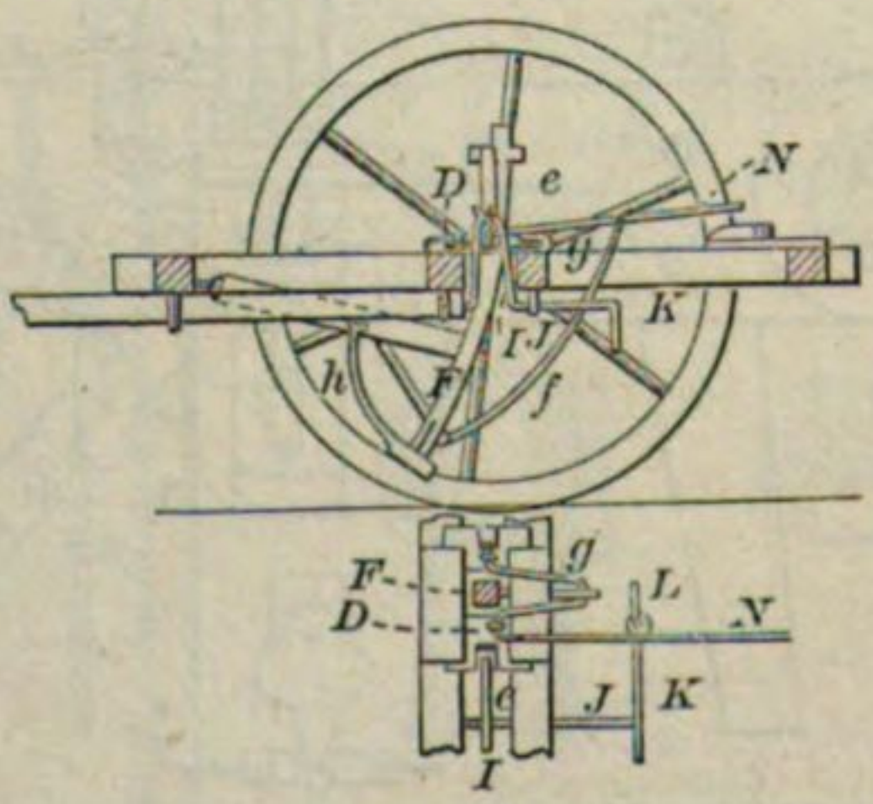
53323—D. P. Myers—*Broom Head.*



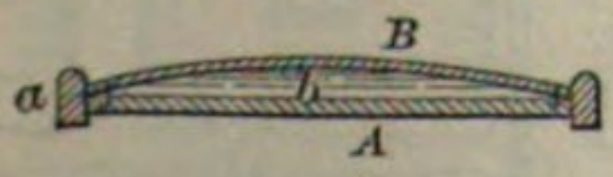
53318—S. B. Maulsby—*Evaporator.*



53322—Miner & Heavenridge—*Cultivator Plow.*

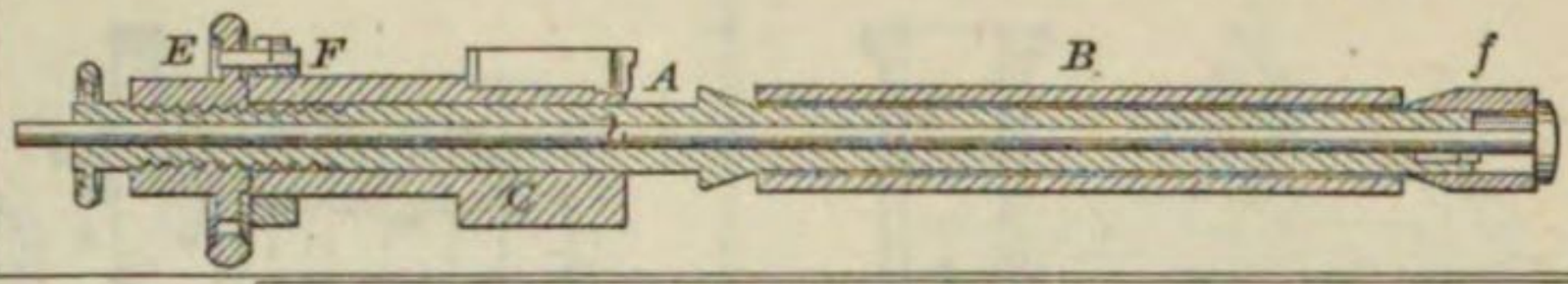


53321—H. L. Meservey—*Washboard.*

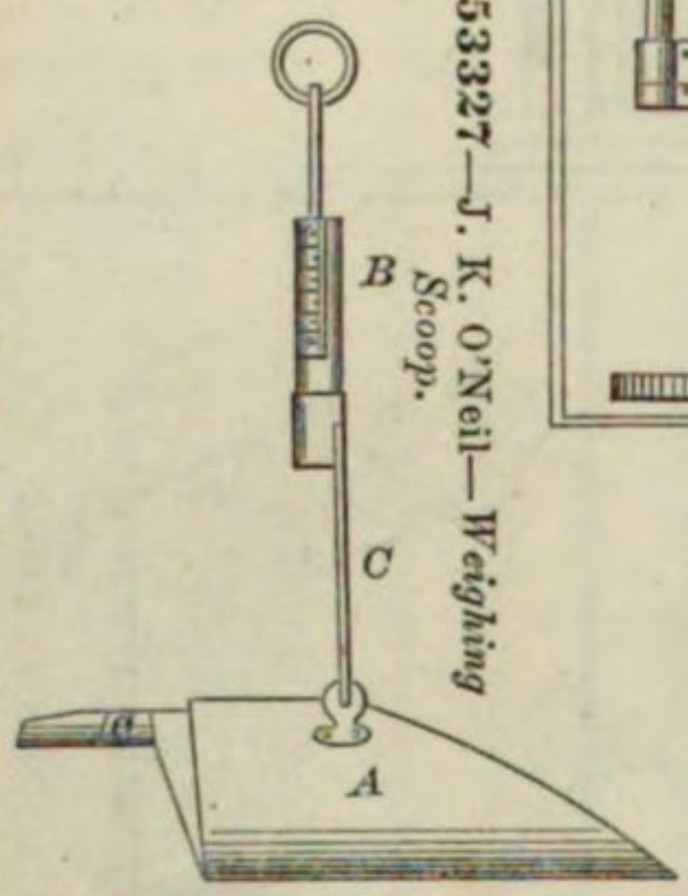


53324—L. Nathan—*Dress Elevator.*

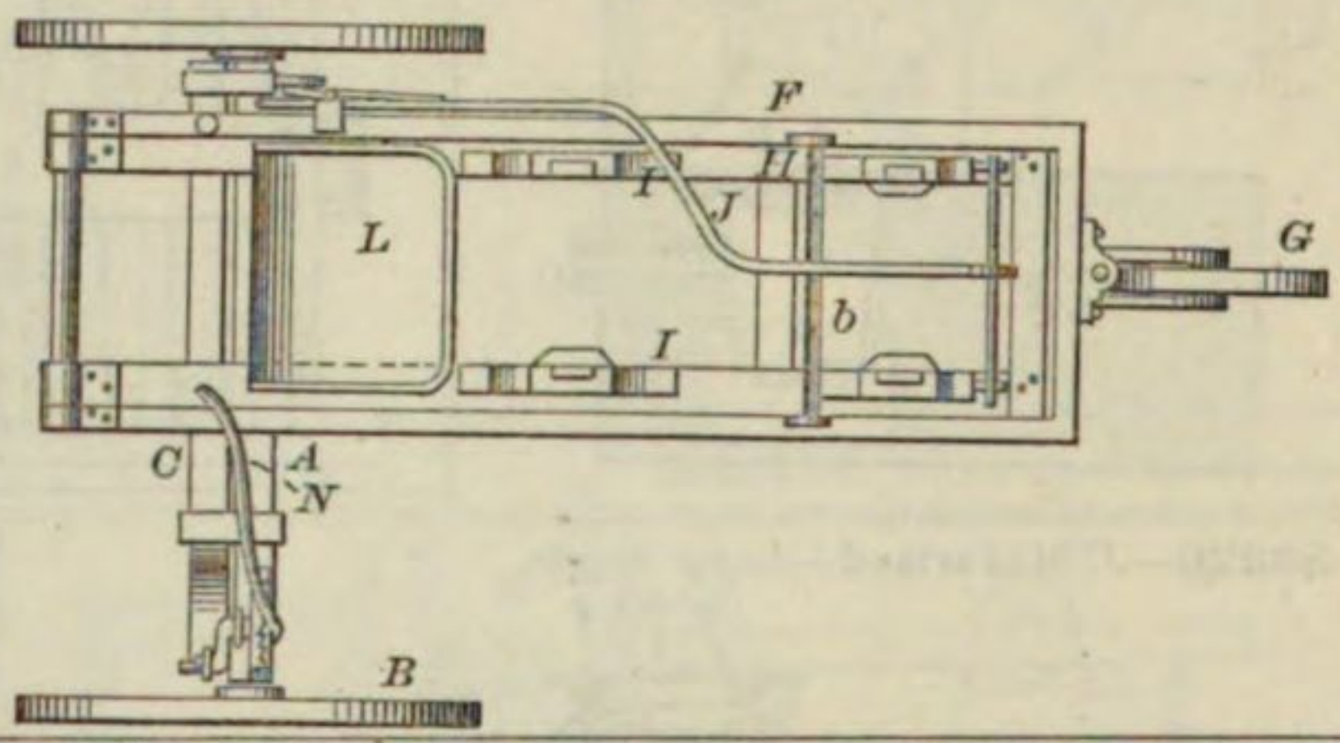
53325—D. M. Nichols—*Tool for Cutting Boiler Tubes.*



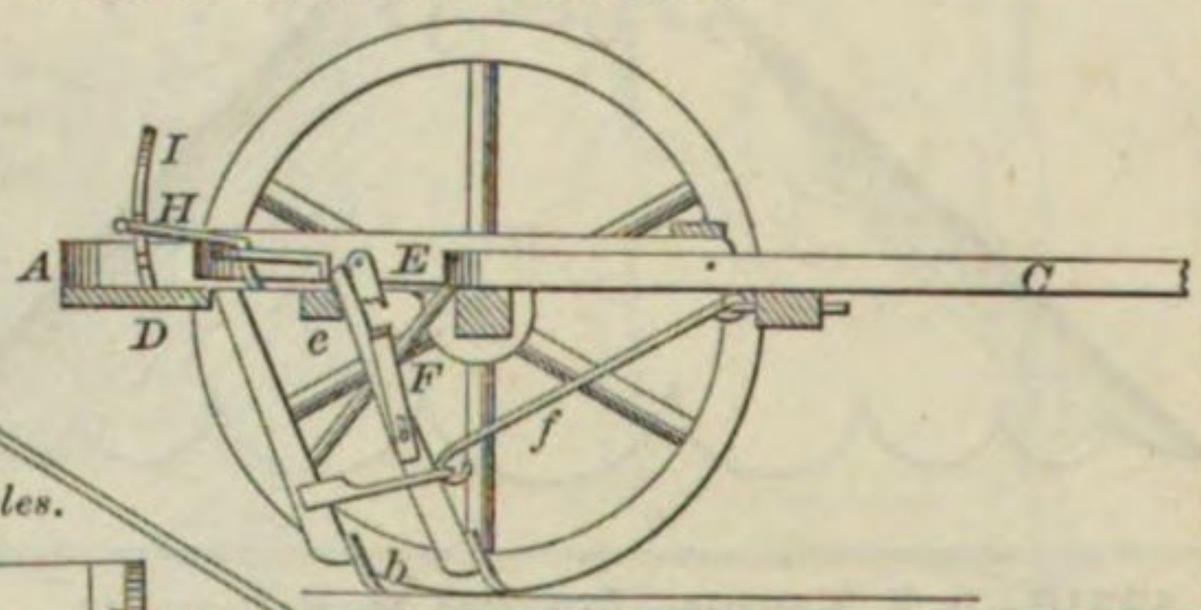
53327—J. K. O'Neil—*Weighing Scoop.*



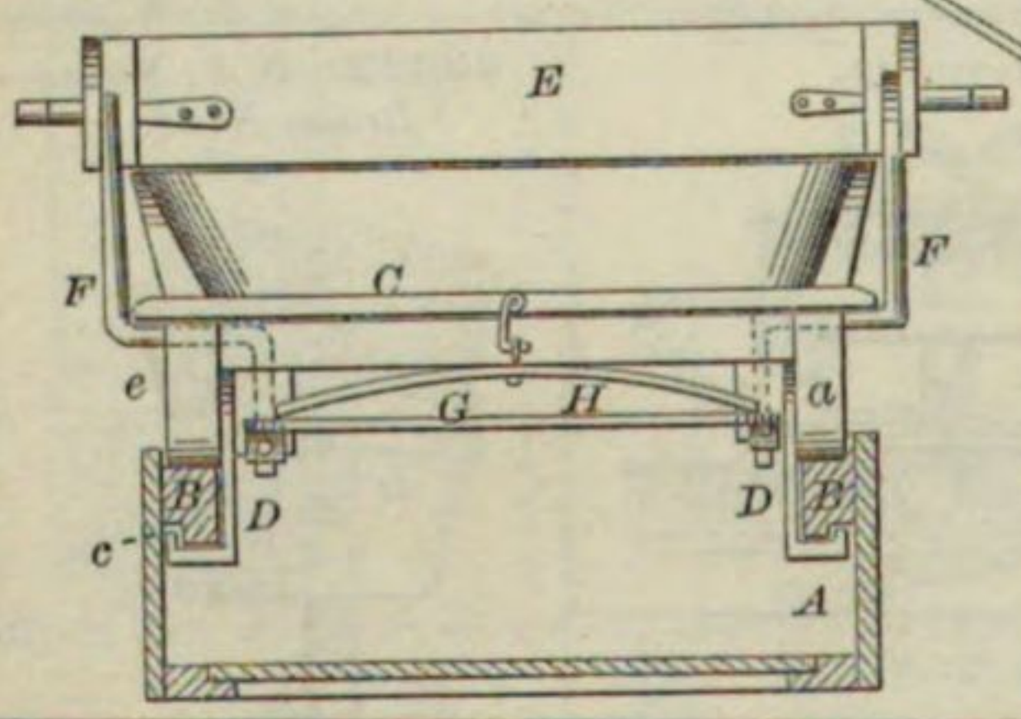
53328—L. M. Patterson—*Gang Plow.*



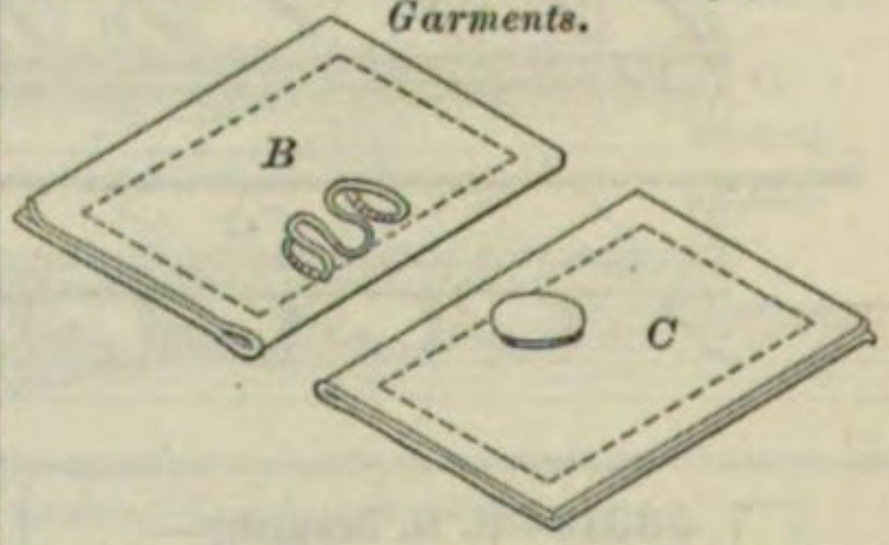
53326—D. J. Noble—*Cultivator.*



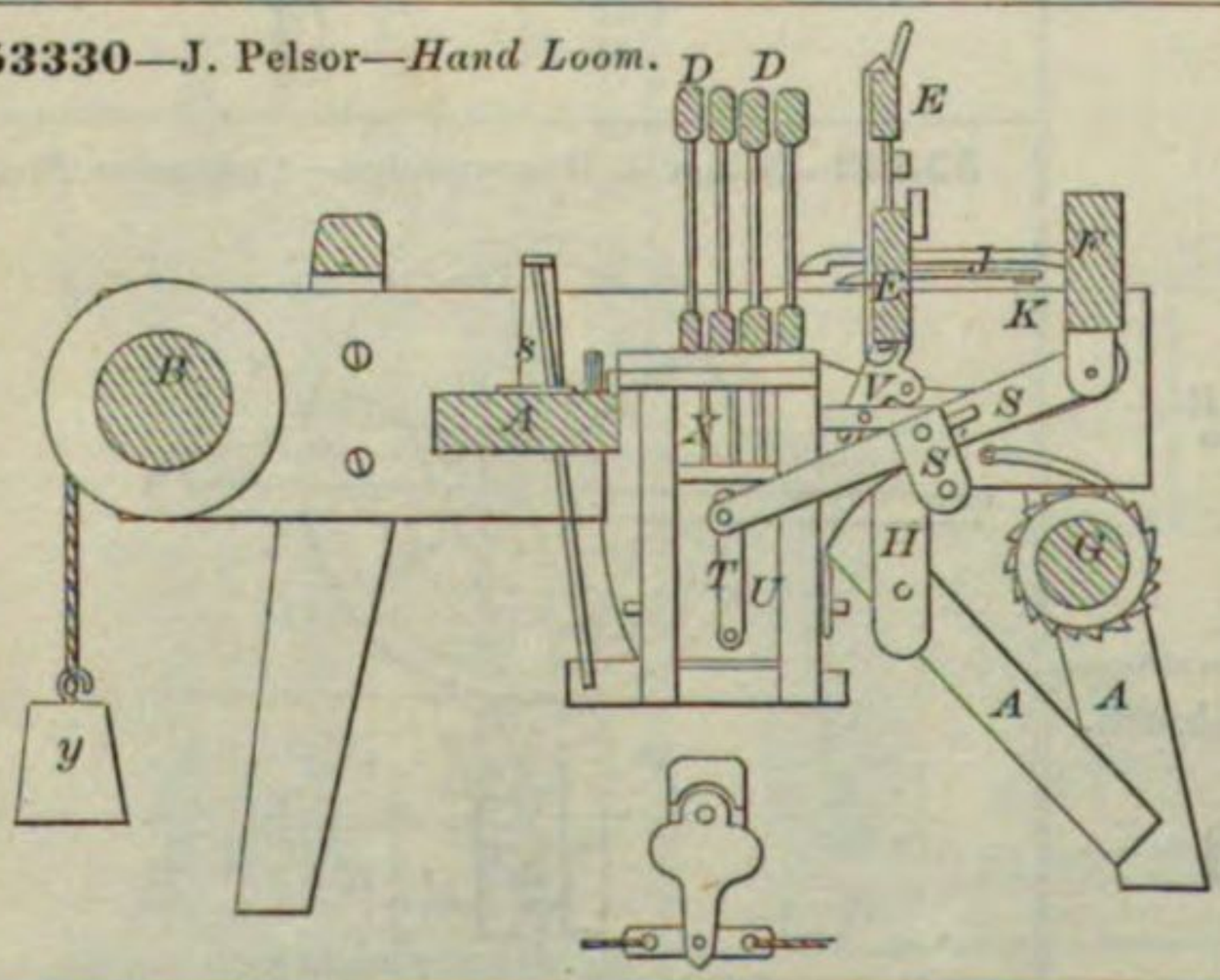
53329—J. I. Peck—*Seat for Vehicles.*



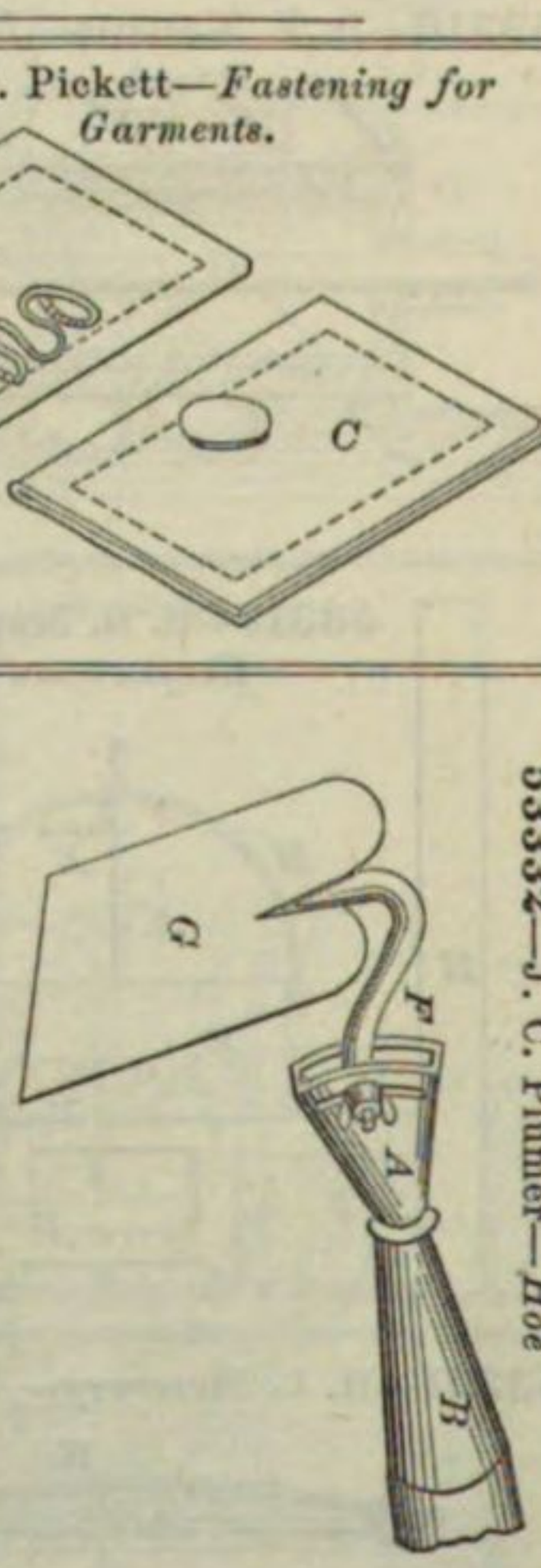
53331—R. S. Pickett—*Fastening for Garments.*



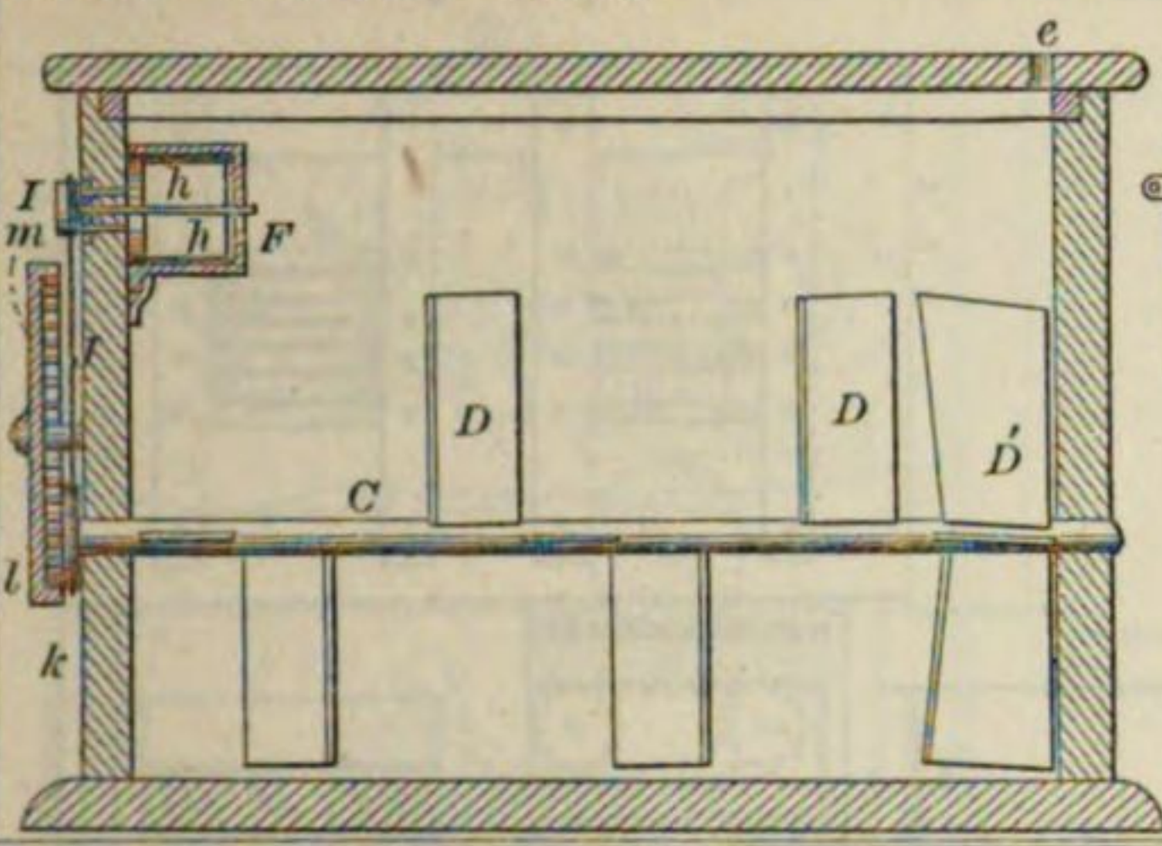
53330—J. Pelsor—*Hand Loom.*

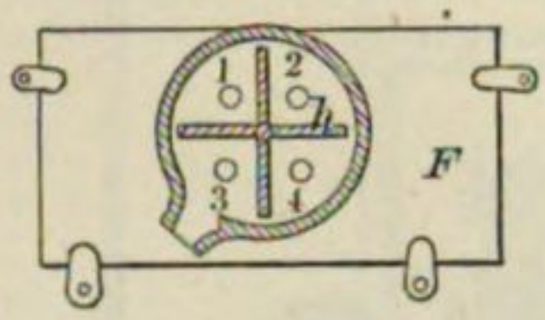


53332—J. C. Plumer—*Hoe*

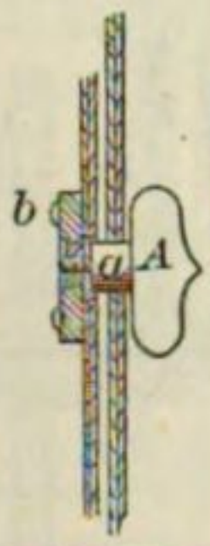


53335—J. Rankin—*Churn.*

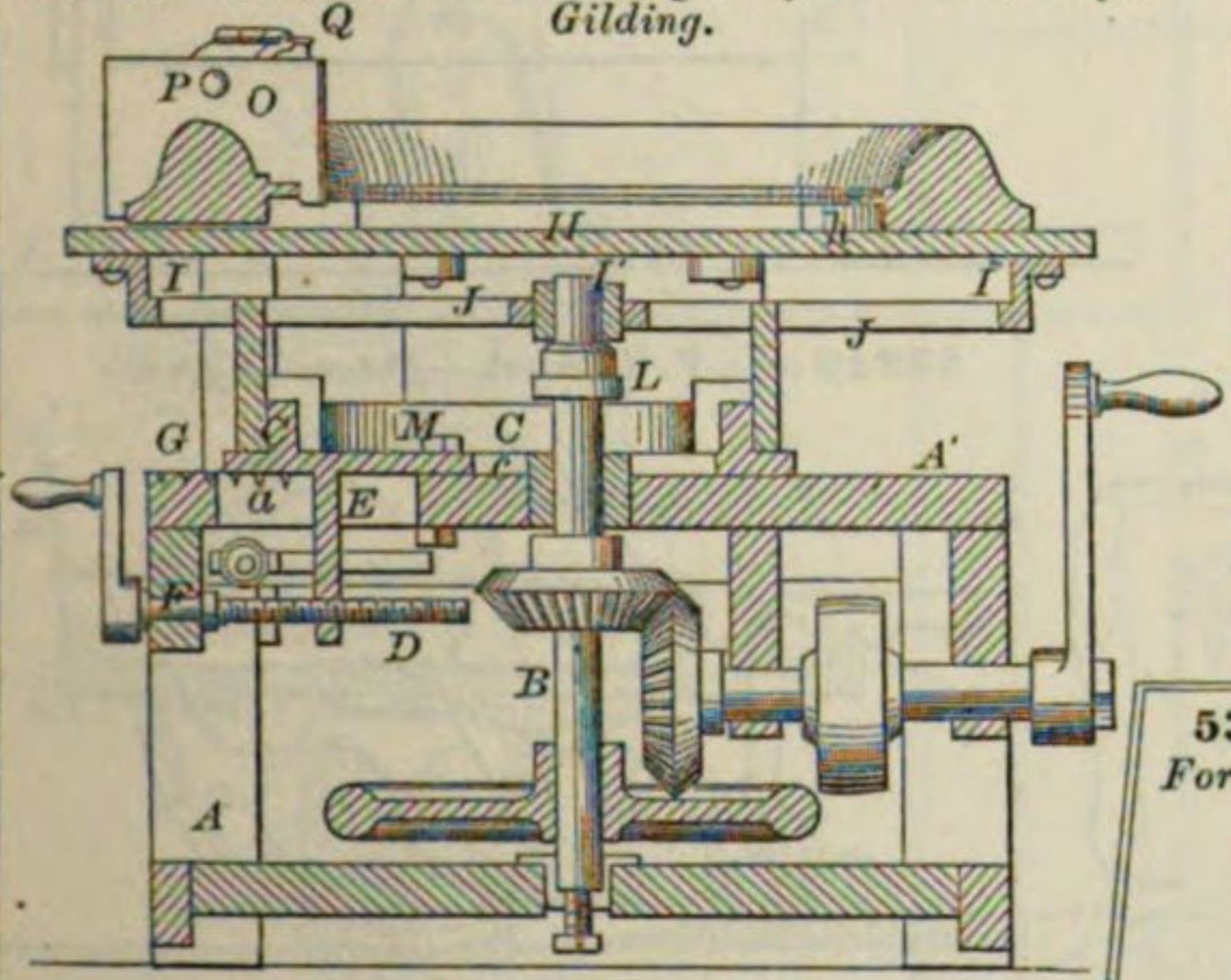


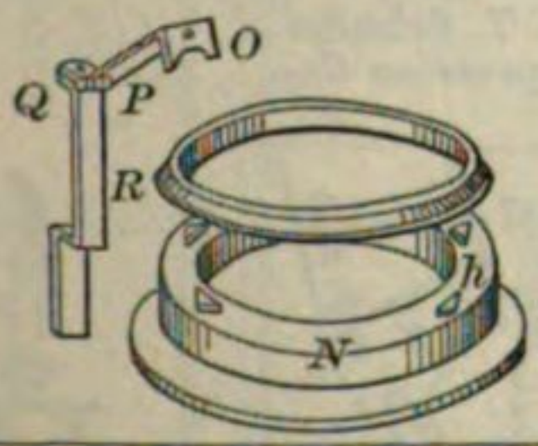


53333—E. H. Porter—*Swivel Button.*

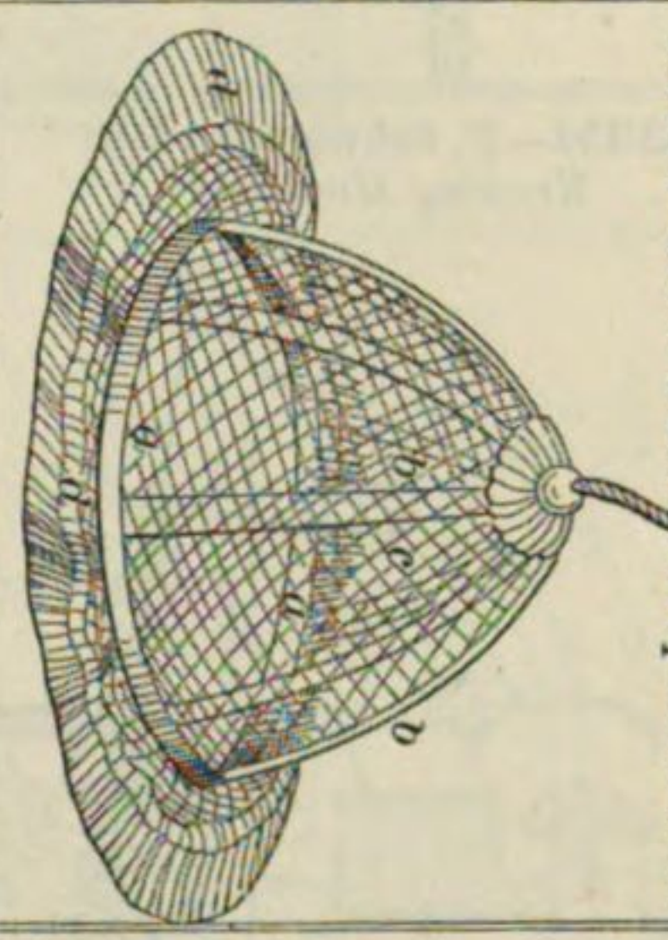


53338—L. Reinauer—*For Preparing Oval Frames for Gilding.*

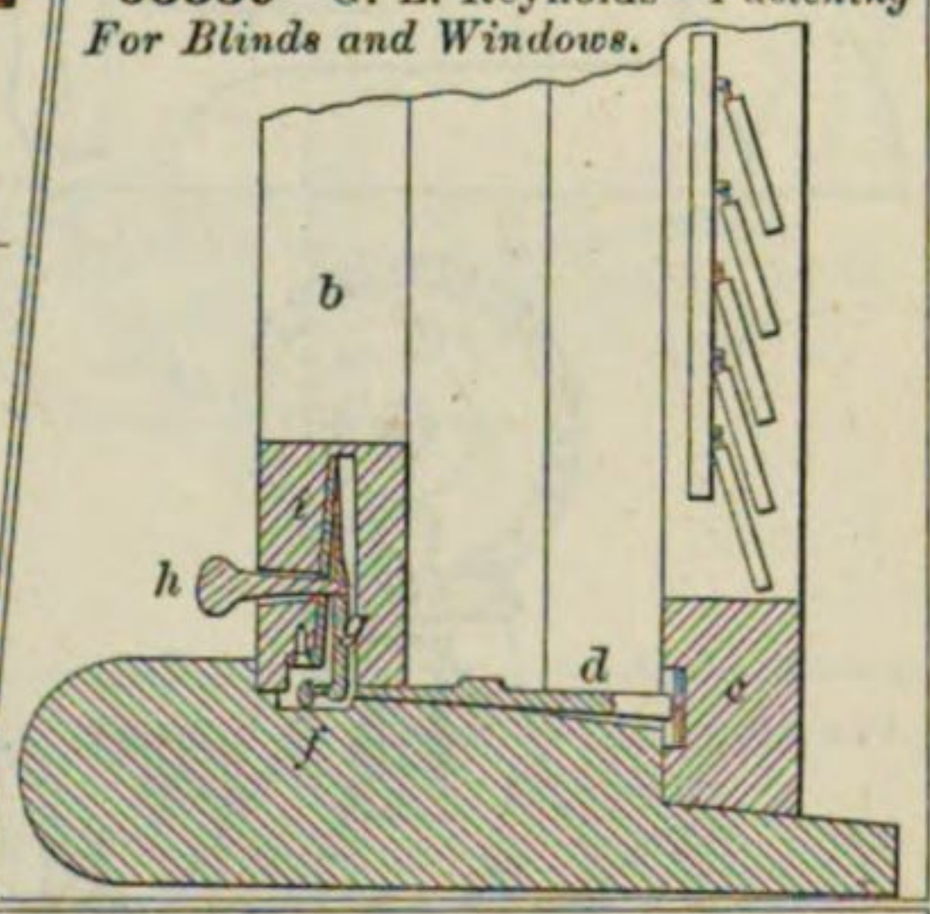




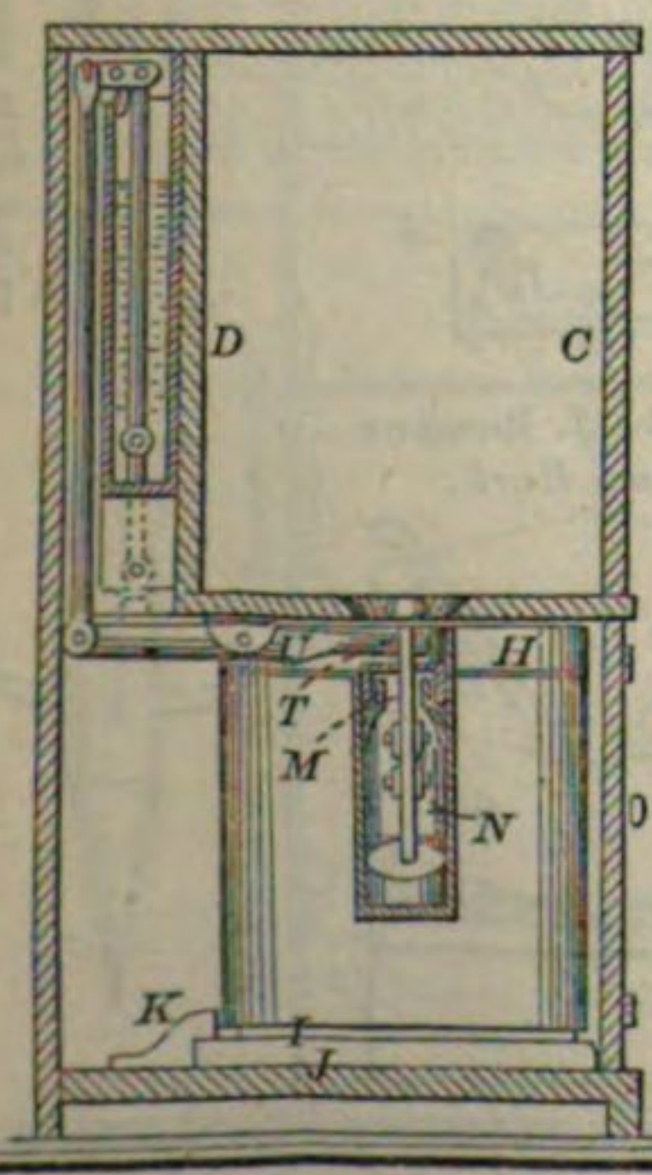
53334—A. D. Puffer—*Musquito Guard.*



53339—G. L. Reynolds—*Fastening For Blinds and Windows.*

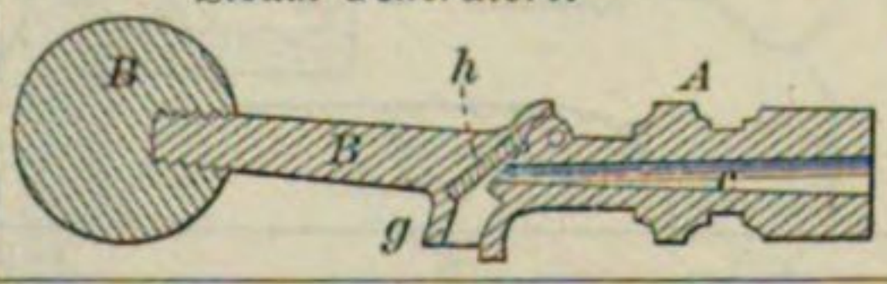


53343—E. Robinson—*Portable Water Closet.*

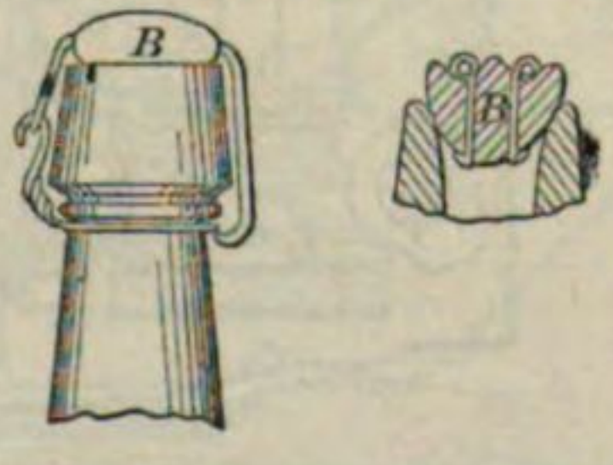


53341—T. C. Richards—*Self-Stopping Pulley.*

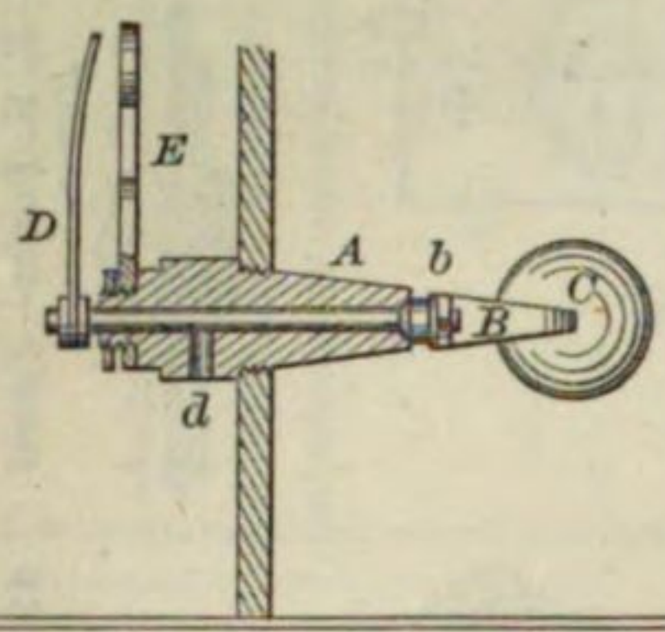
53337—J. Regester—*Try Cock for Steam Generators.*



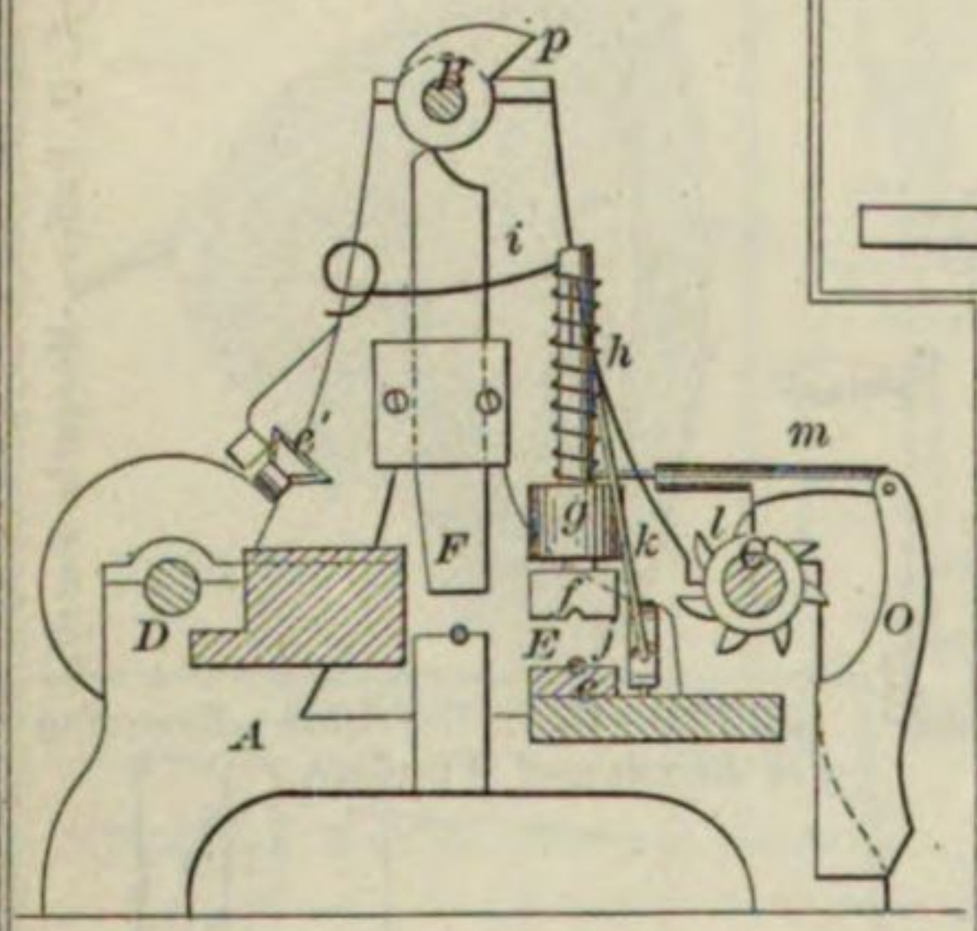
53342—D. T. Robinson—*Bottle Stopper Fastener.*

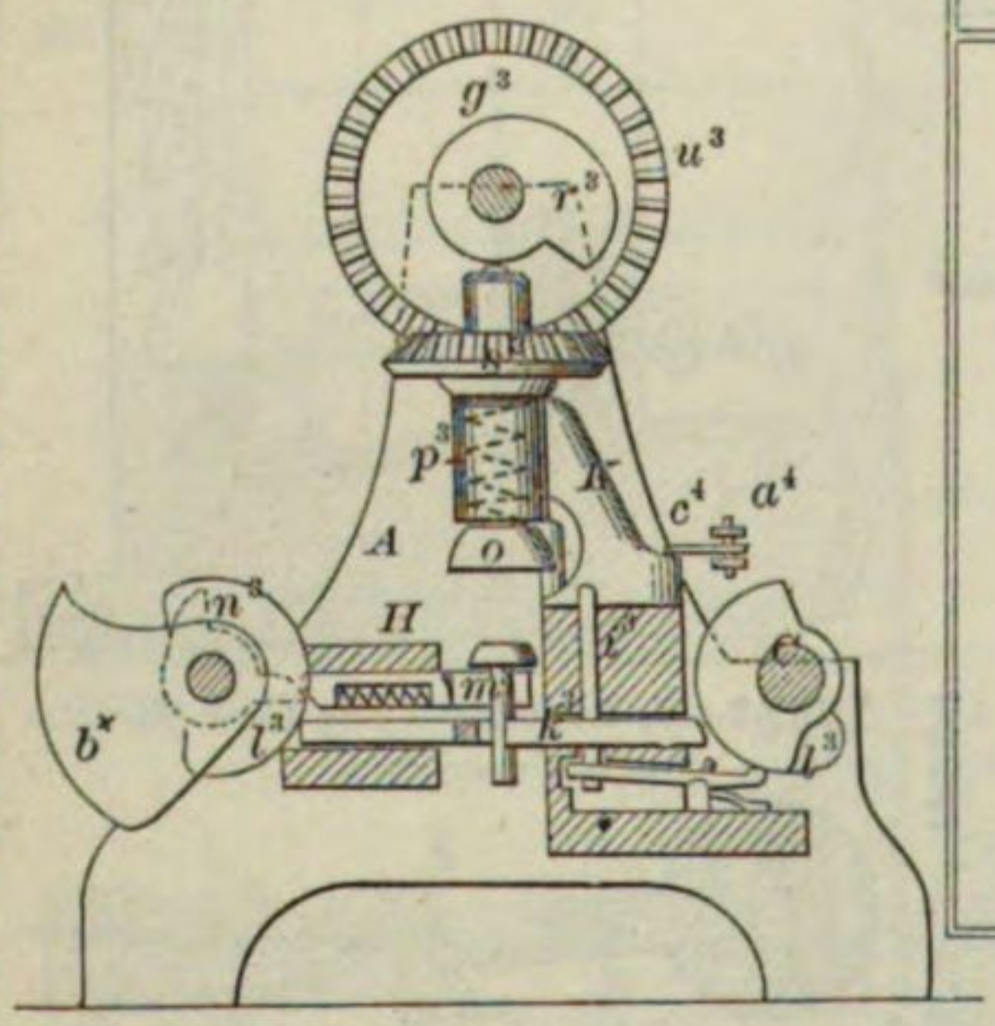


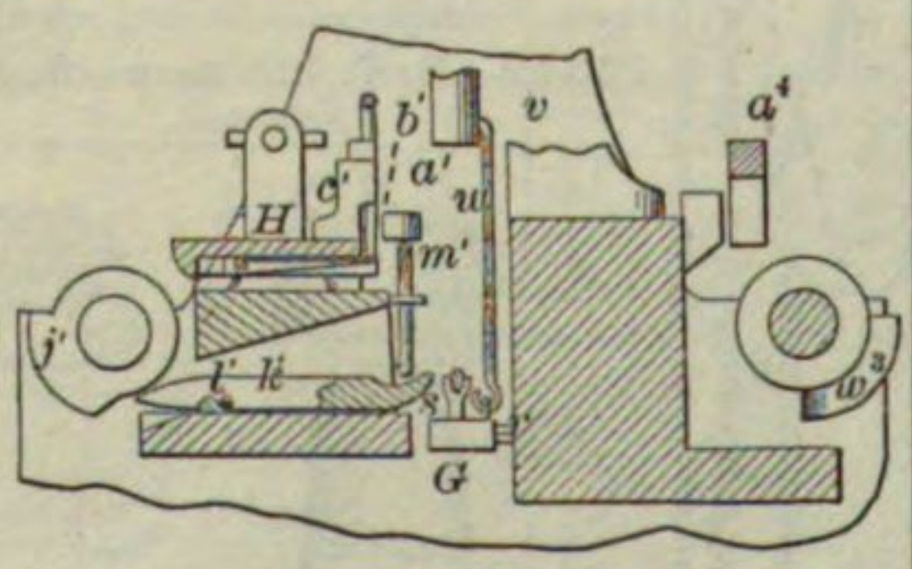
53344—M. M. Robinson—*Gauge Cock for Steam Generators.*



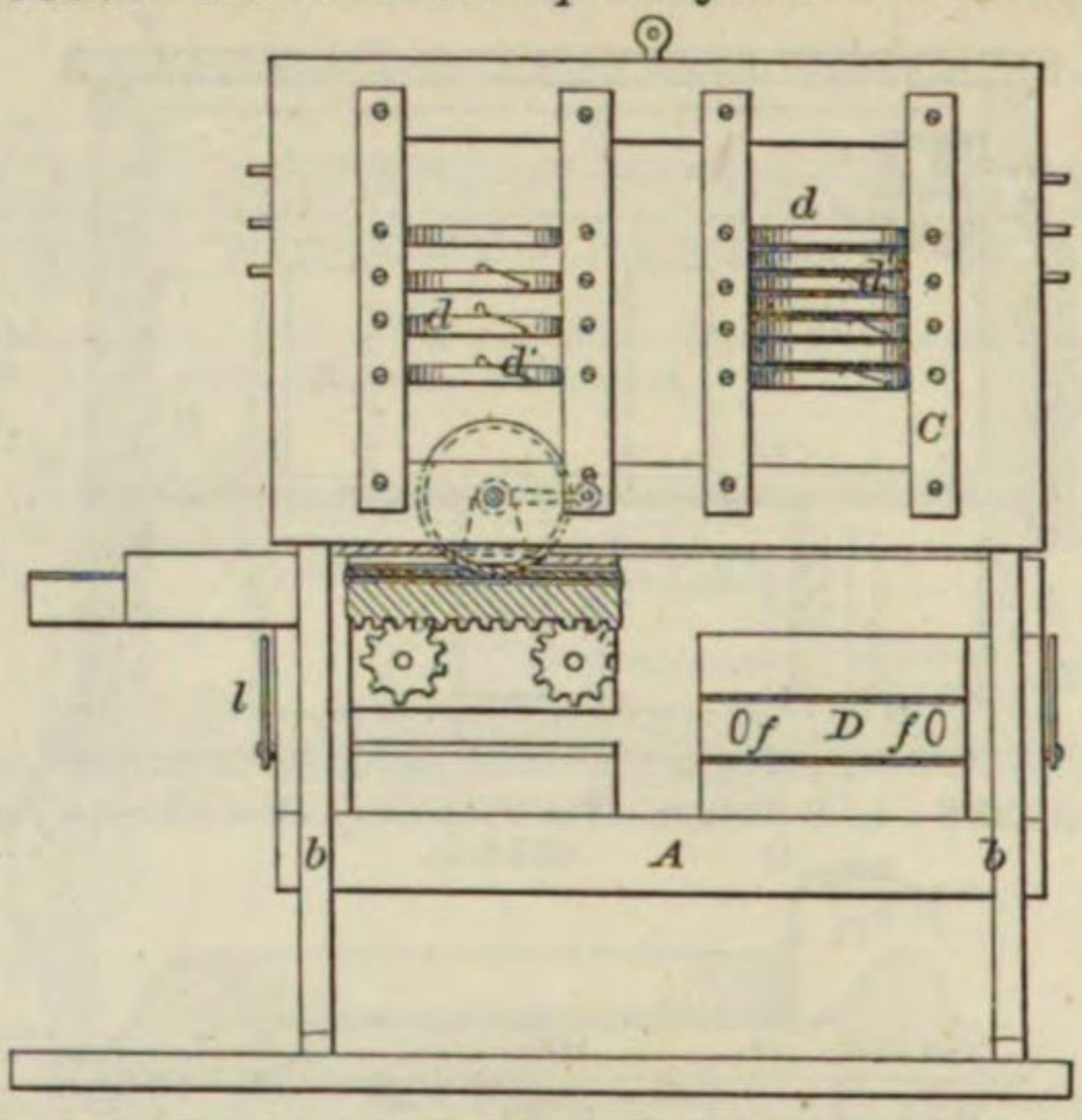
53351—F. Schweizer—*Bolt Heading Machine.*



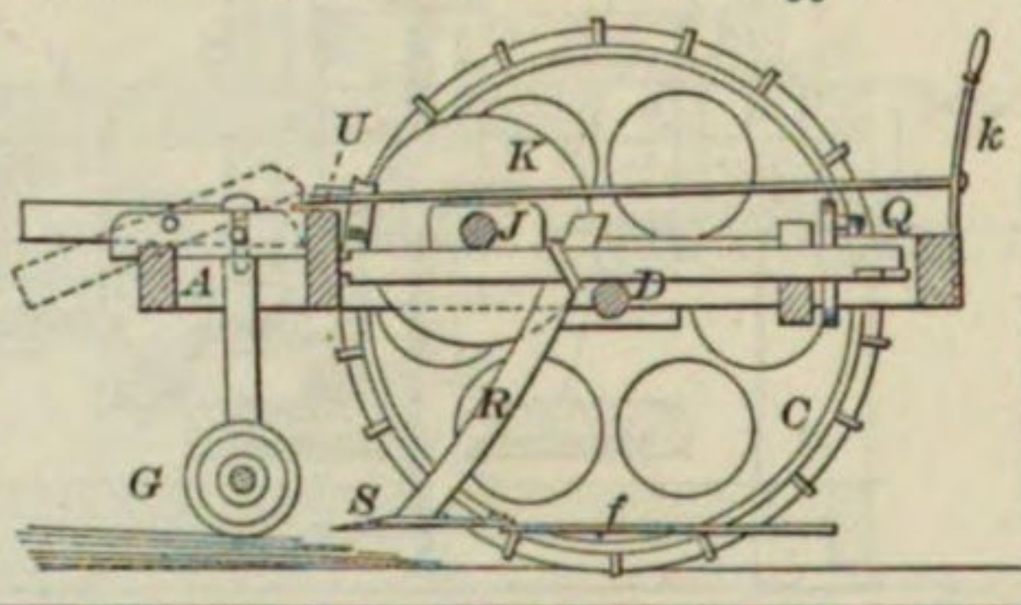




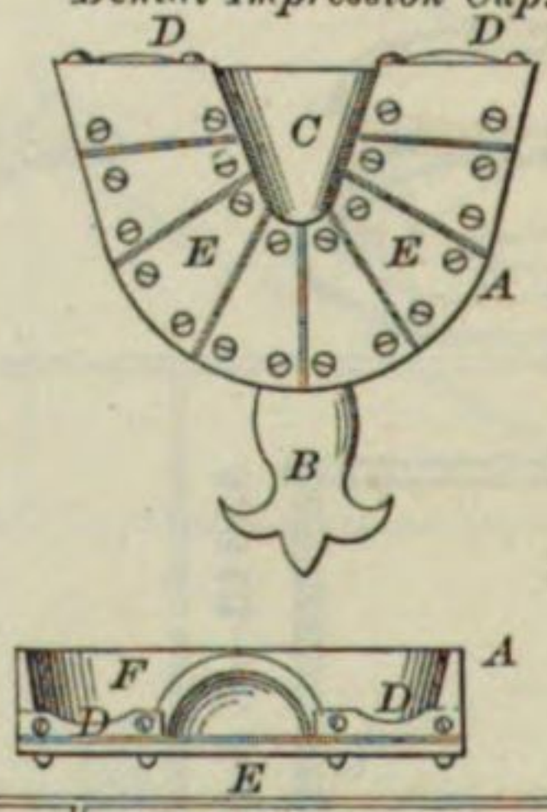
53350—J. Schottenfels—*Operating Shuttles in Looms.*



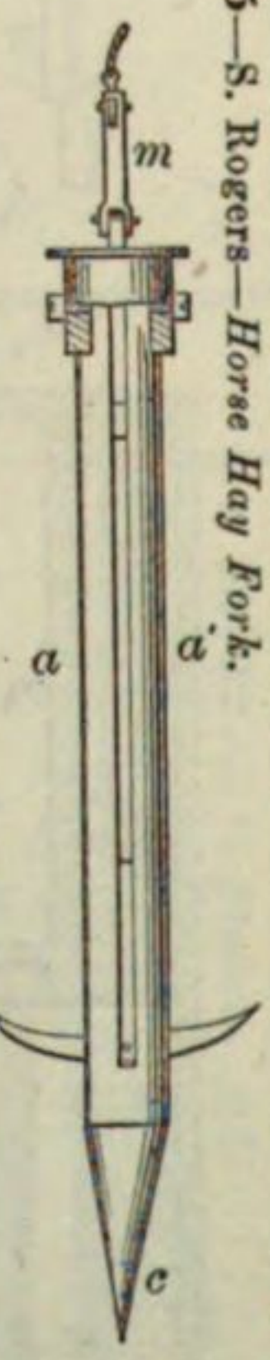
53349—L. F. Schanck—*Potato Digger.*



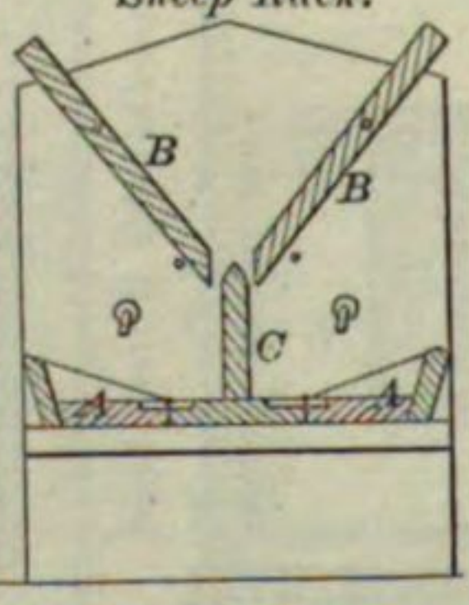
53347—G. T. Schaffer—*Dental Impression Cup.*



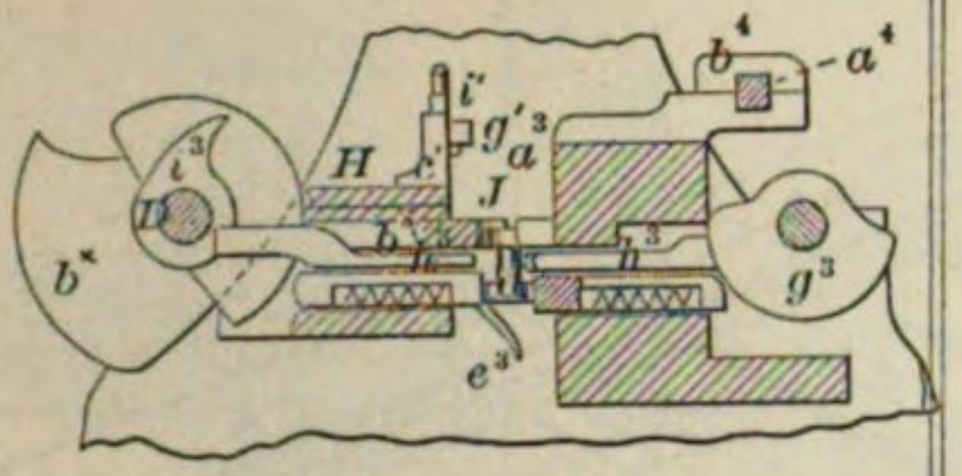
53345—S. Rogers—*Horse Hay Fork.*

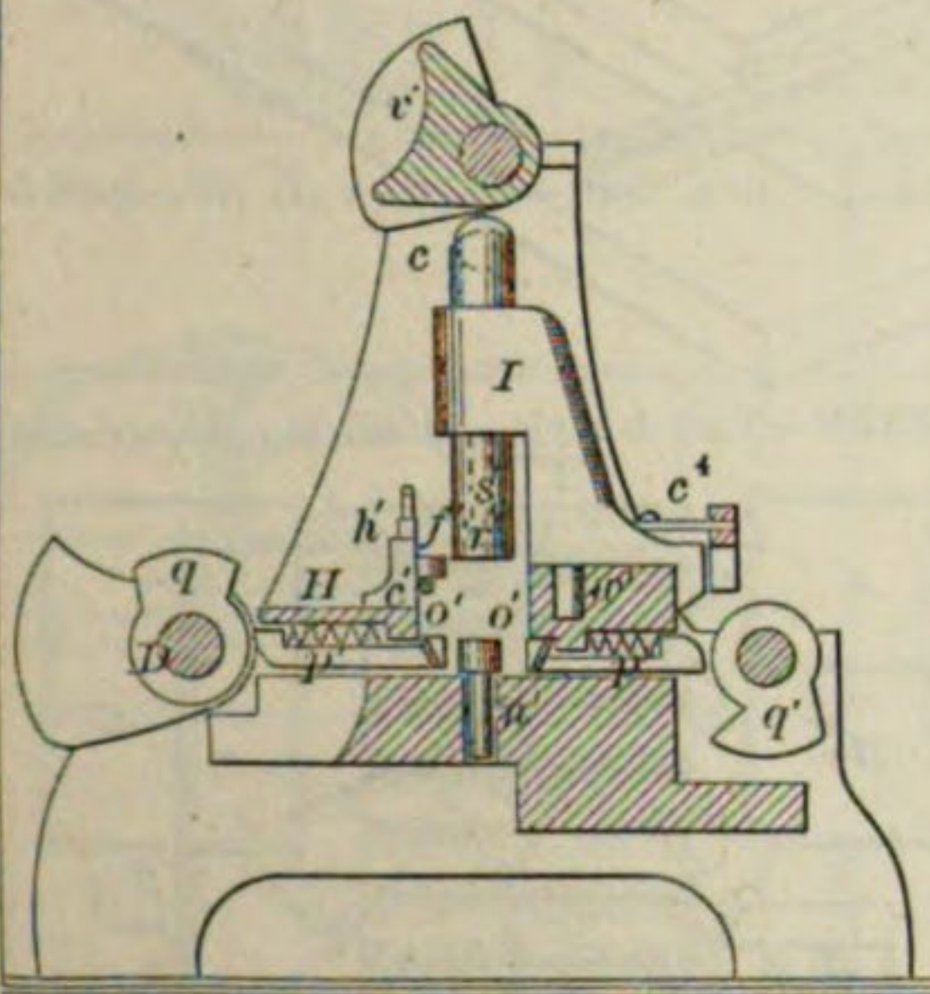


53346—J. Romans—*Sheep Rack.*

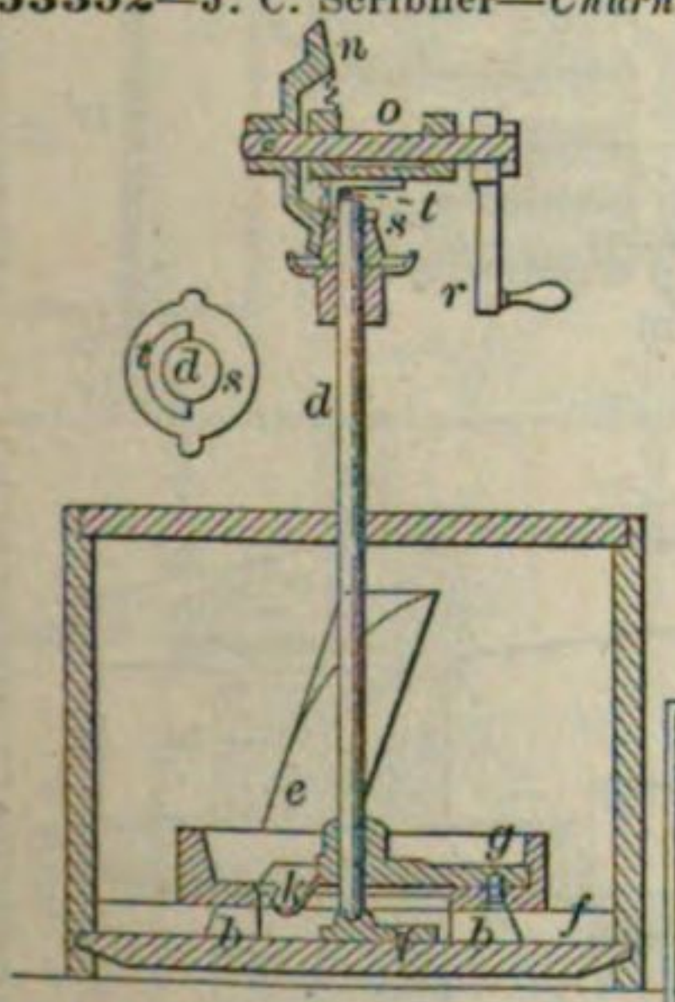


53351—*Continnued.*

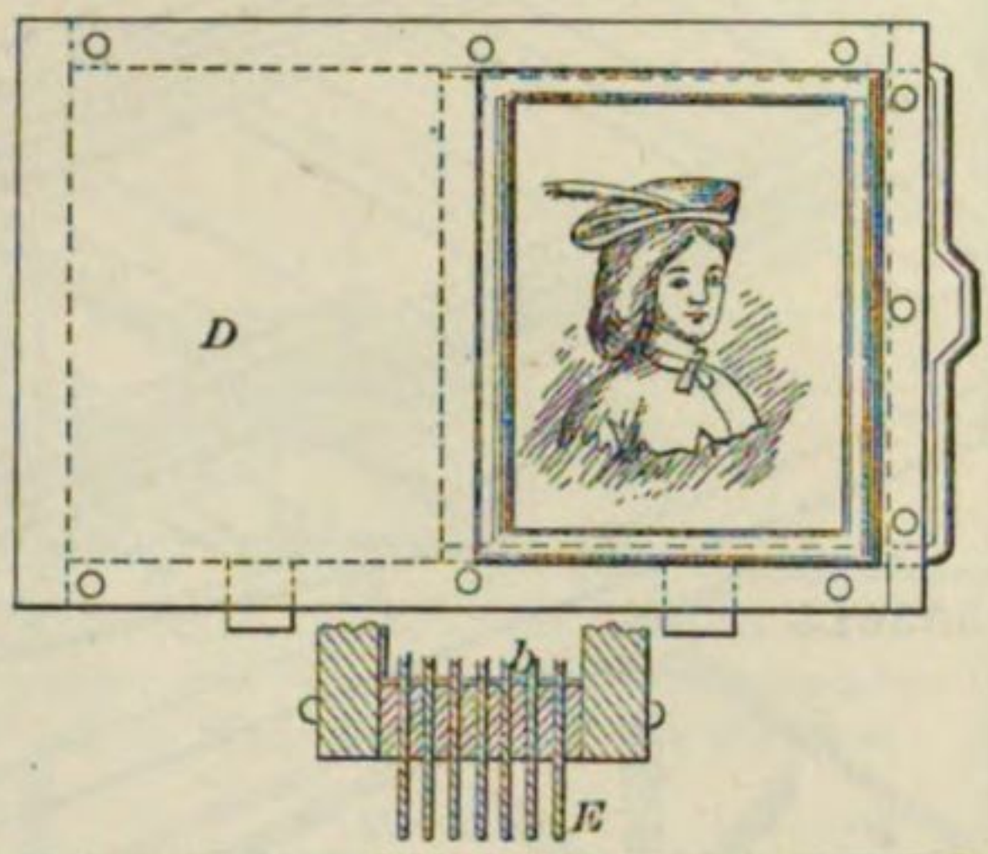




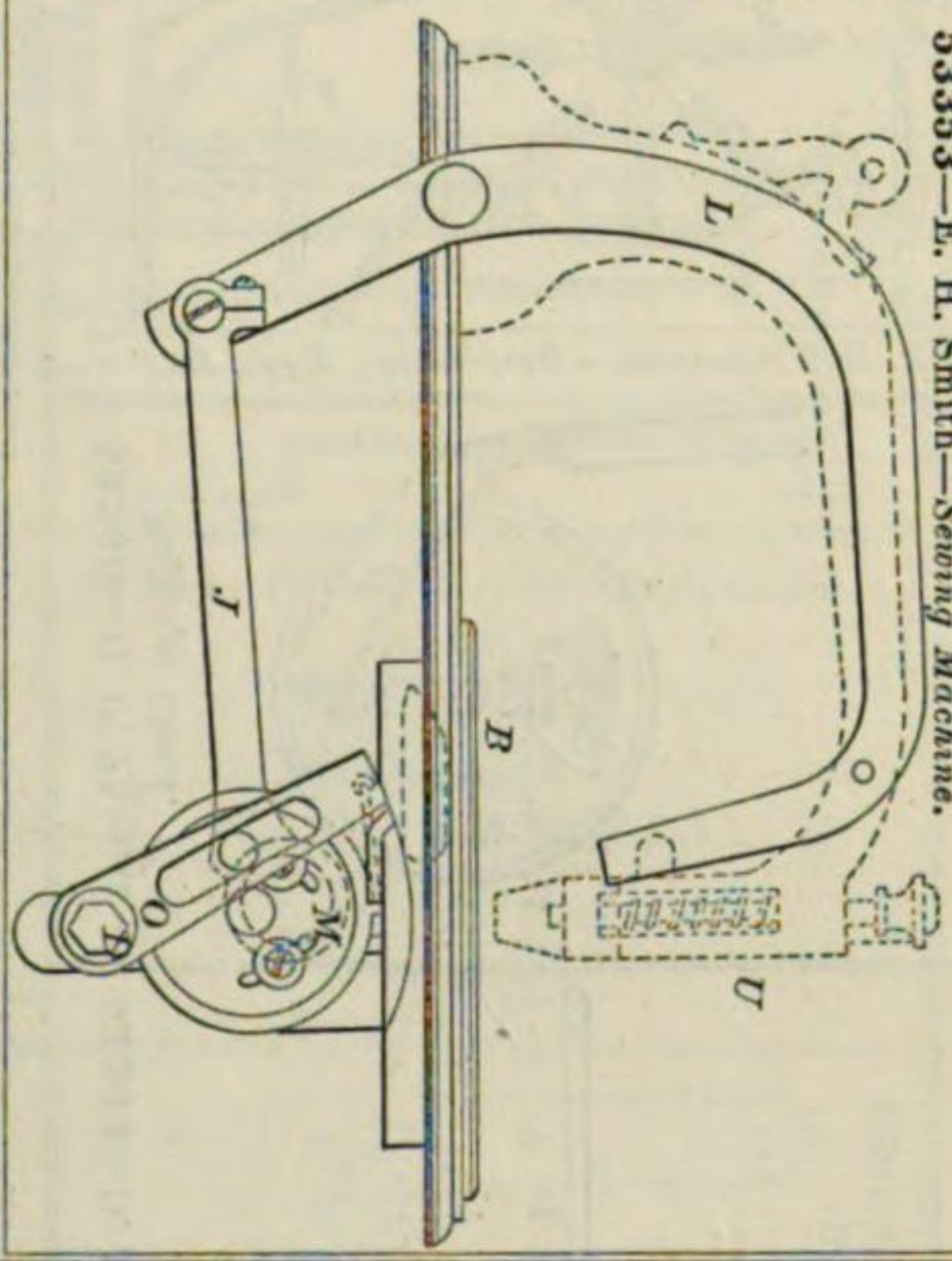
53352—J. C. Scribner—*Churn.*



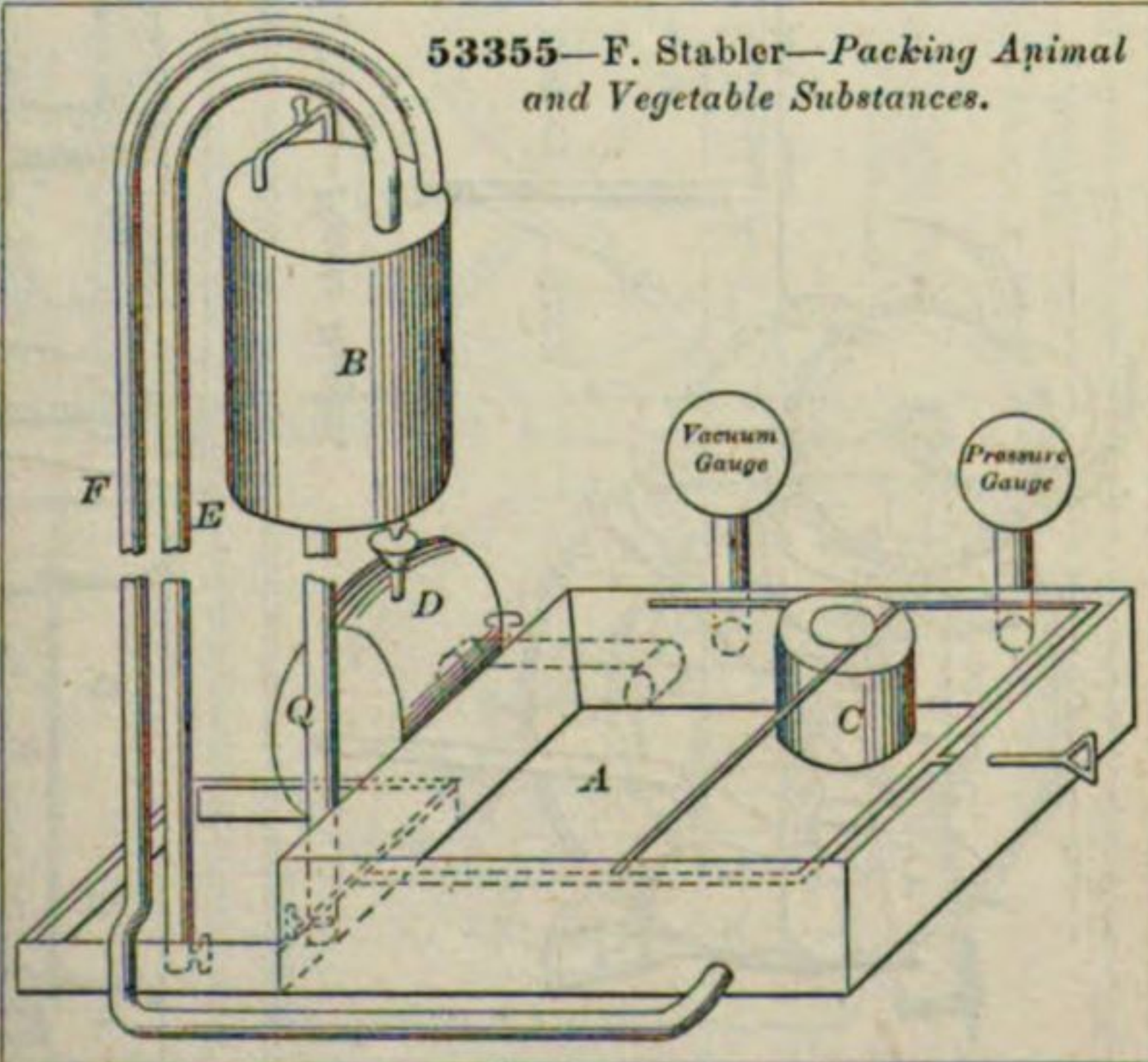
53354—J. C. Spooner—*Porcelain and Card Album.*



53353—E. H. Smith—*Sewing Machine.*

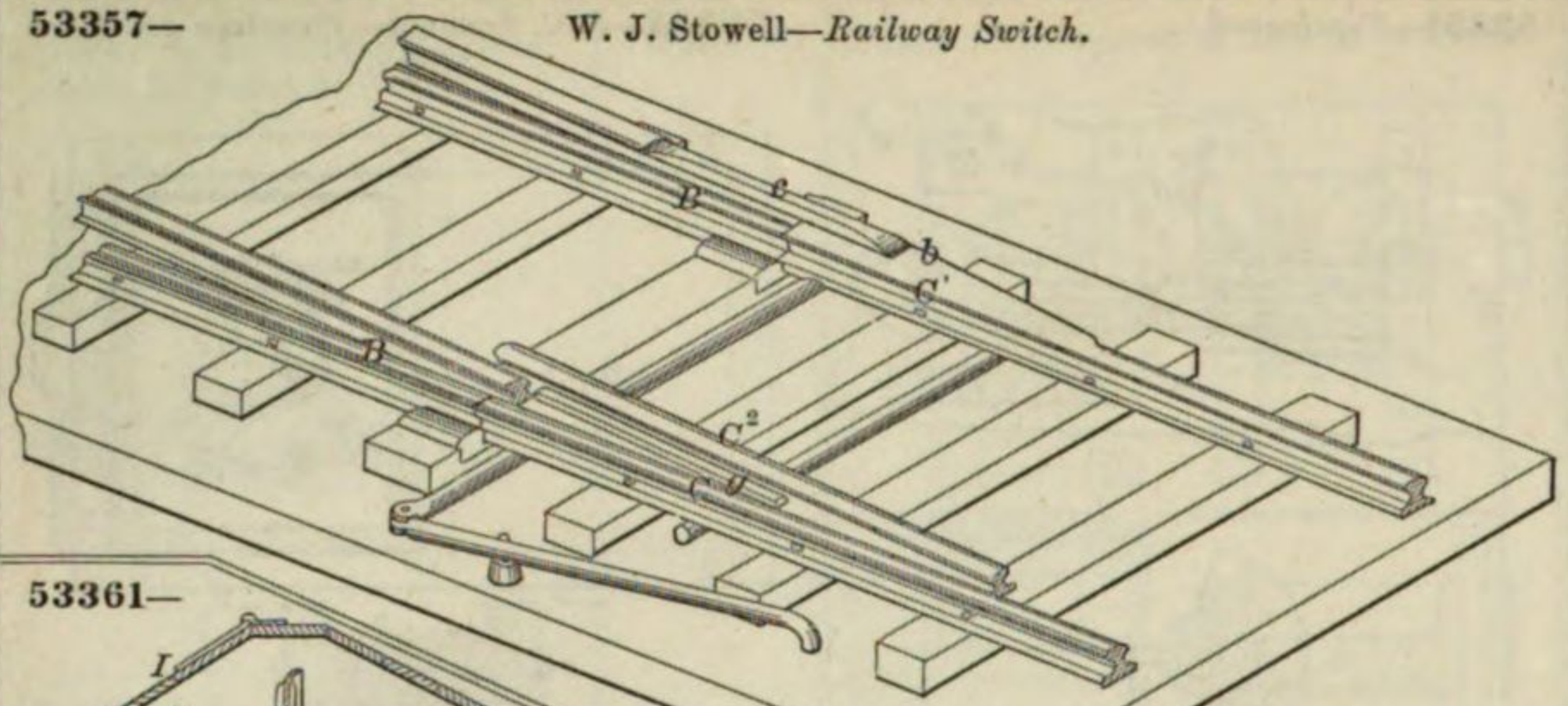


53355—F. Stabler—*Packing Animal and Vegetable Substances.*

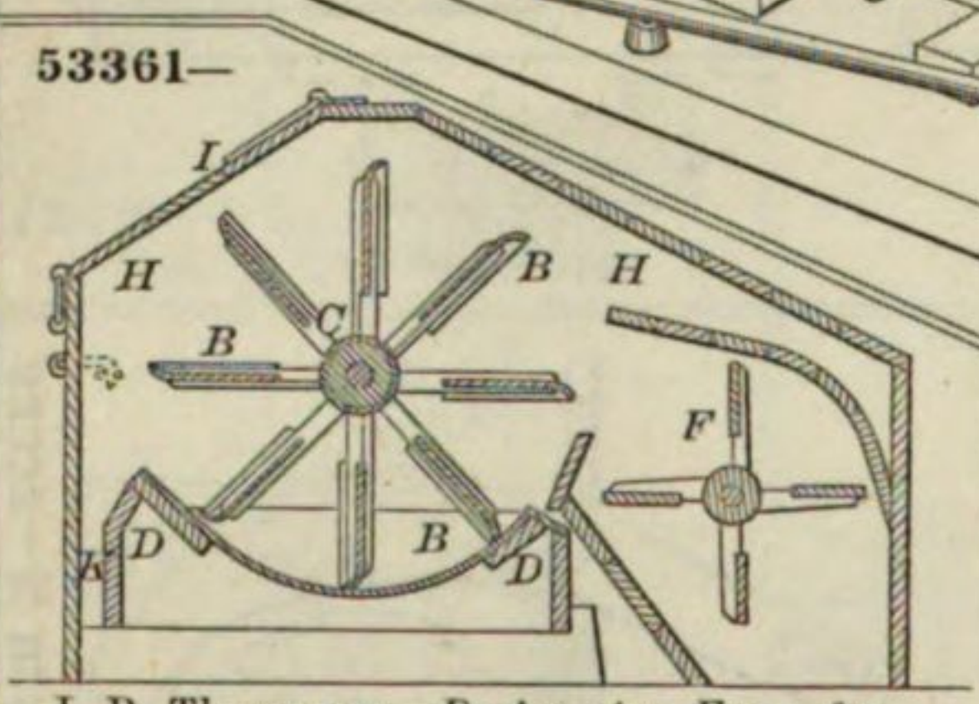


53356—G. Stimpson, Jr.—*Pen.*

53357— W. J. Stowell—*Railway Switch.*

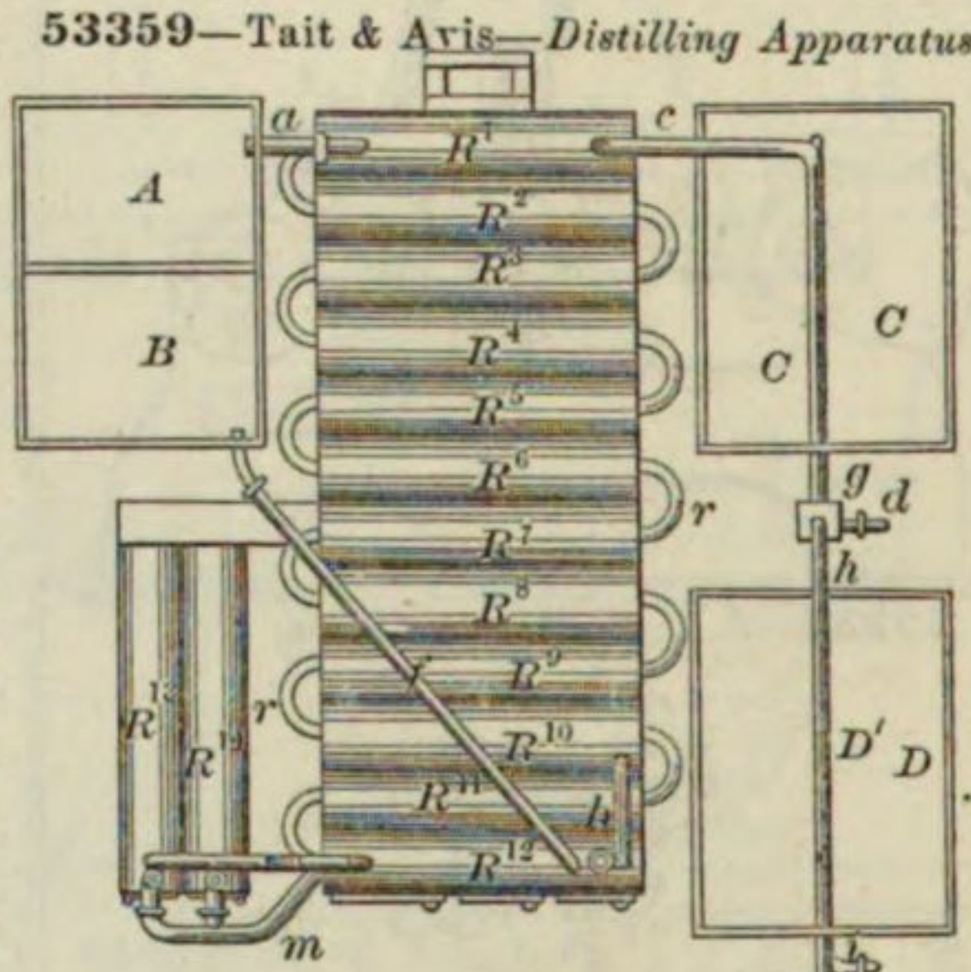


53361—

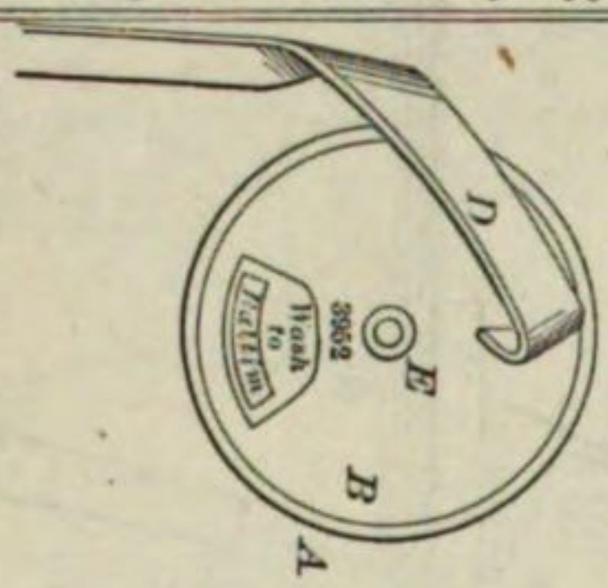


J. B. Thompson—*Desiccating Eggs, &c.*

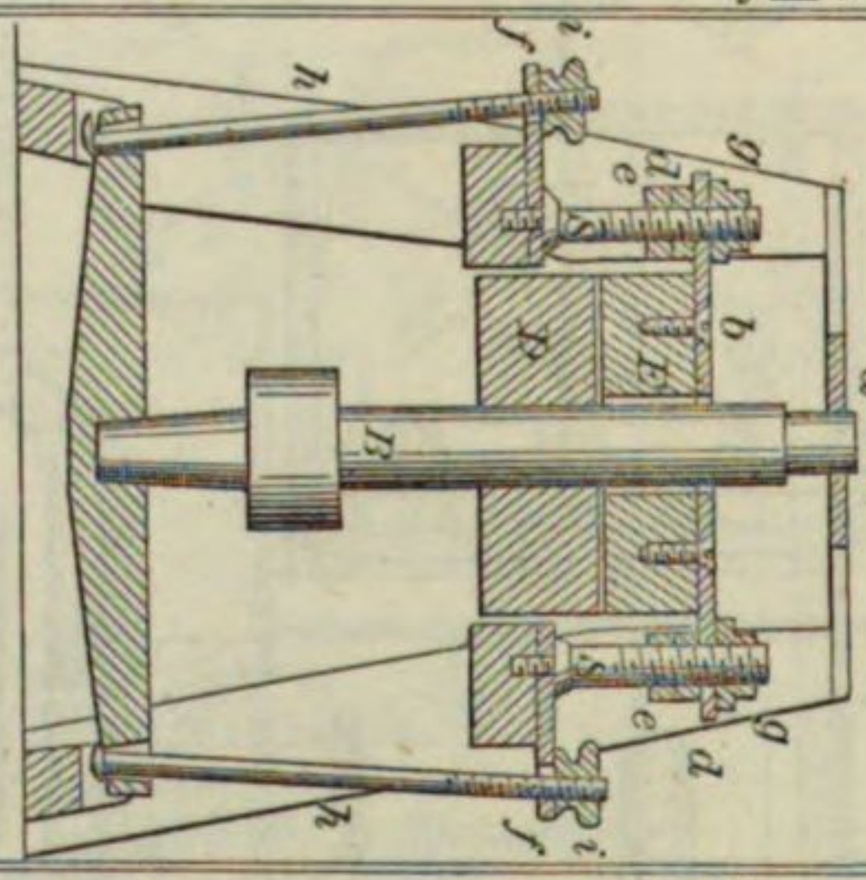
53359—Tait & Axis—*Distilling Apparatus.*



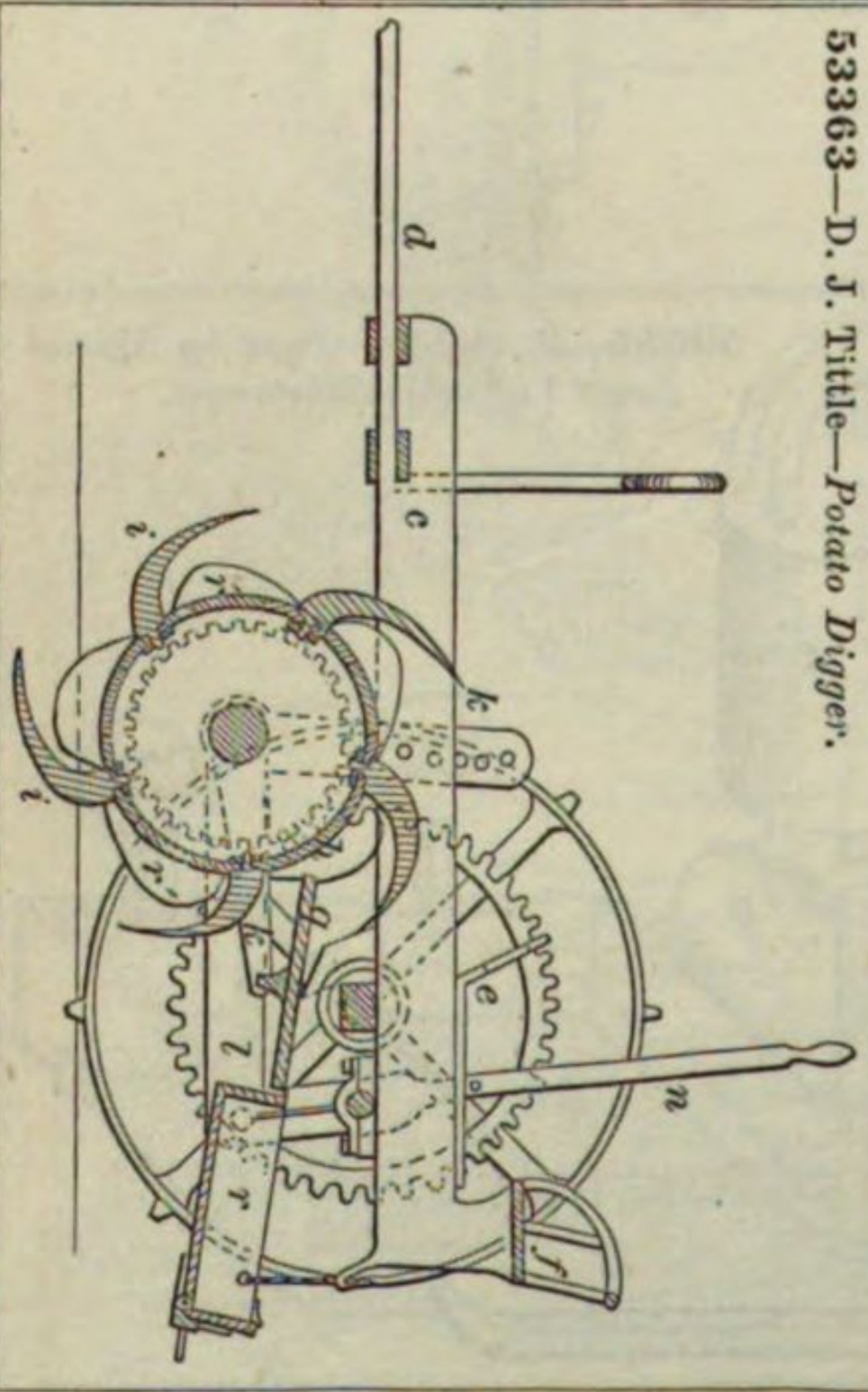
53360—G. C. Thomas—*Baggage Check.*



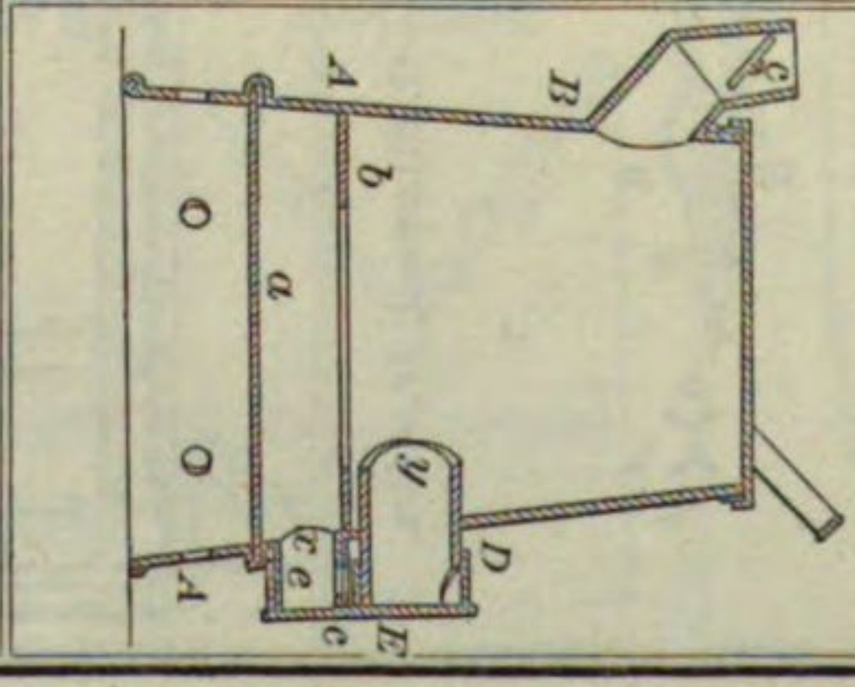
53358—H. P. Straub—*Grinding a Mill.*



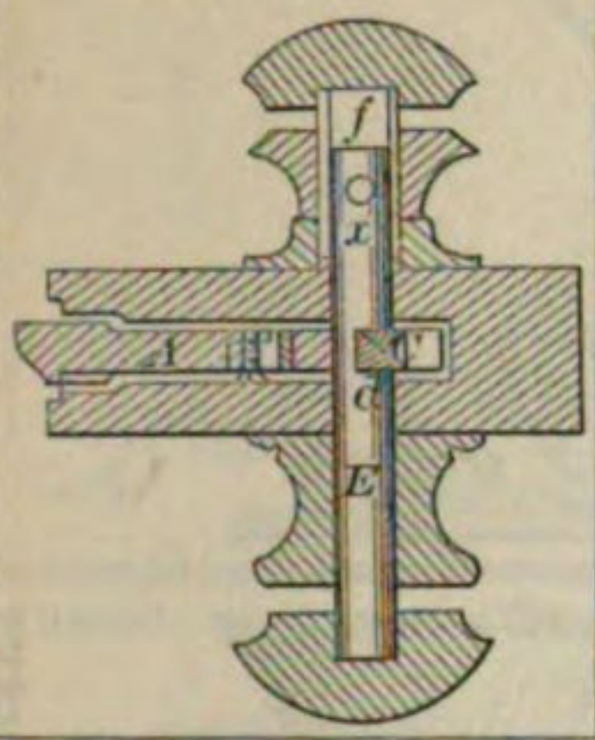
53363—D. J. Tittle—*Potato Digger.*



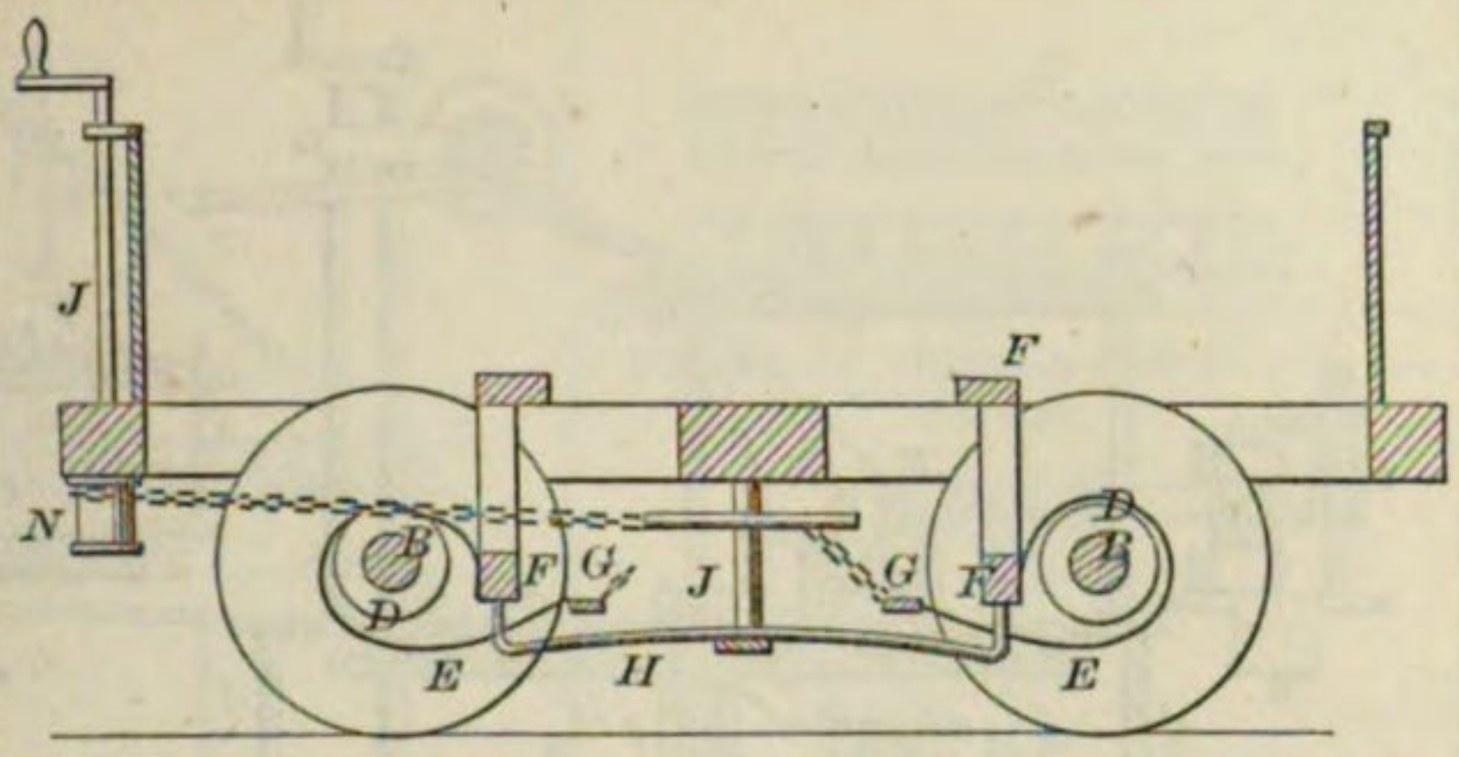
53362—S. Timmins—*Tinman's Furnace.*



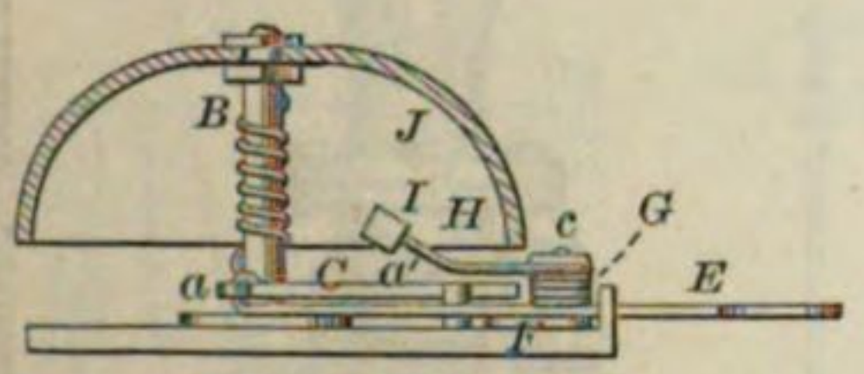
53364—A. W. Upton—*Knob Latch.*



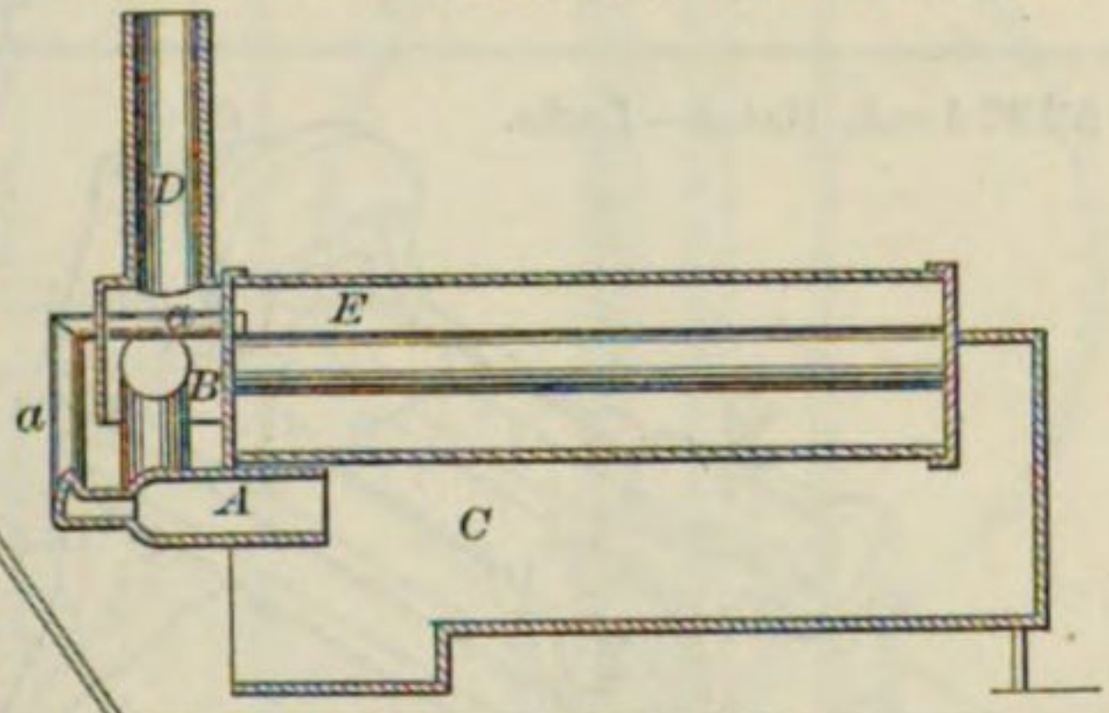
53365—W. Warner—*Car Brake.*



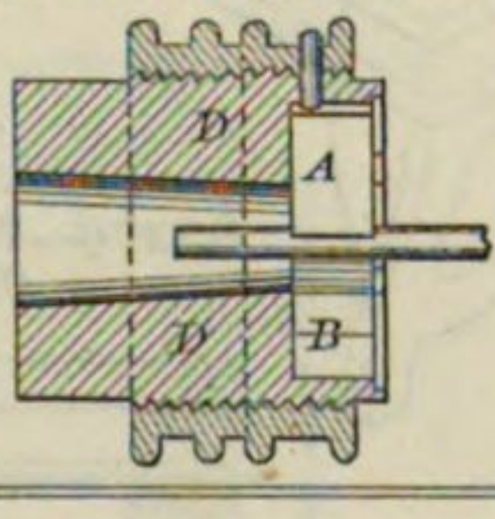
53366—W. H. Watrous—*Door Bell.*



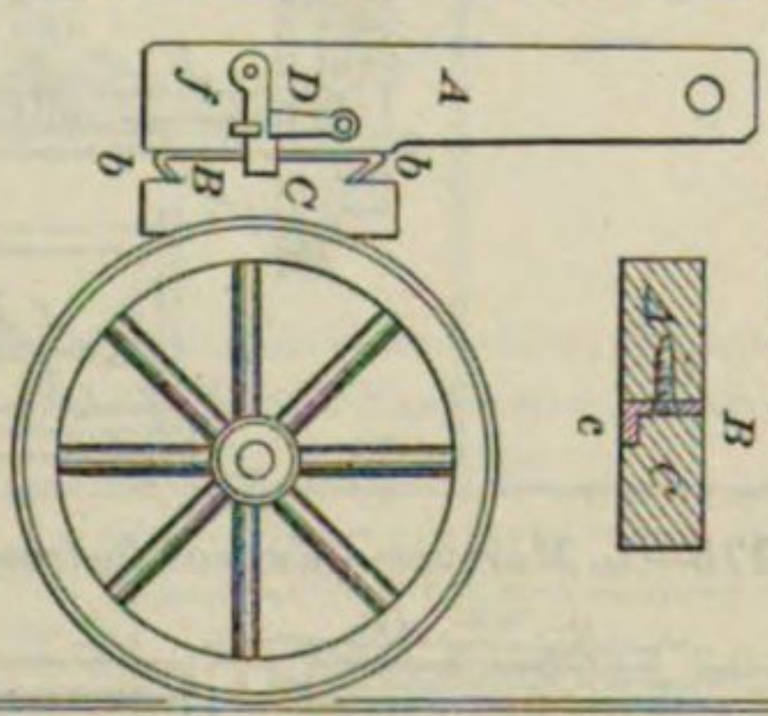
53367—J. H. Webster—*Steam Boiler Furnace.*



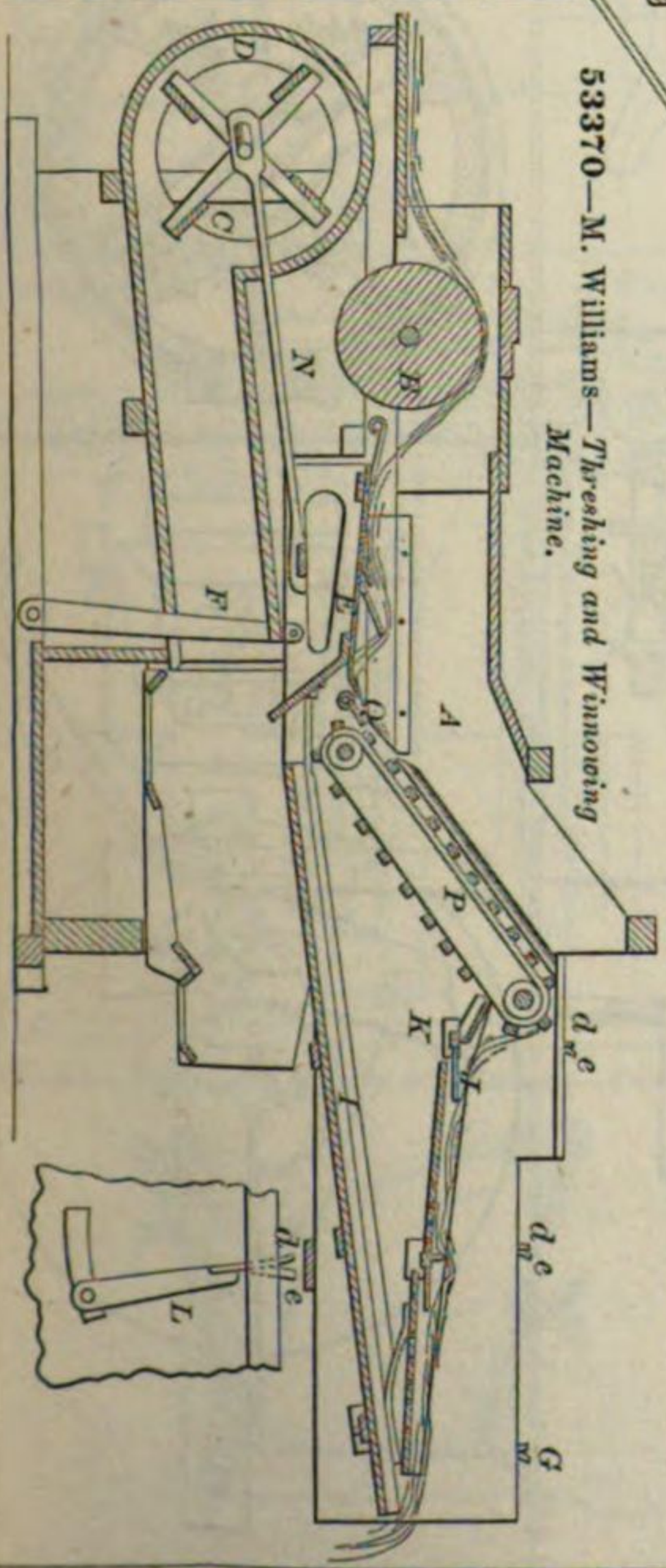
53368—Wells & Mayott—*Drill Chuck.*



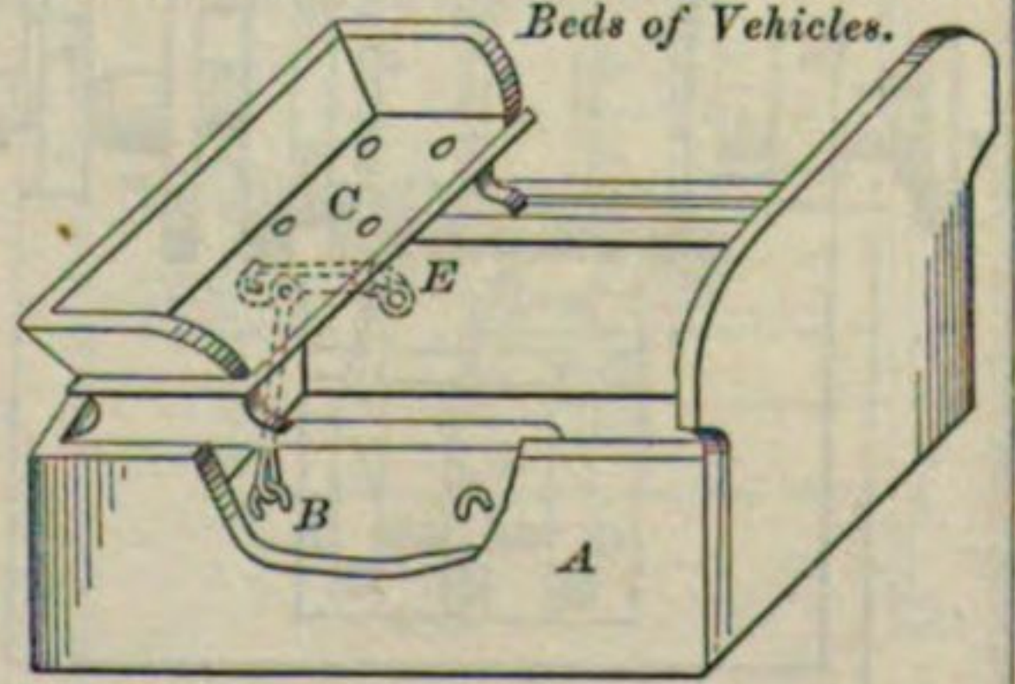
53369—H. Werntz—*Car Brake Shoe.*



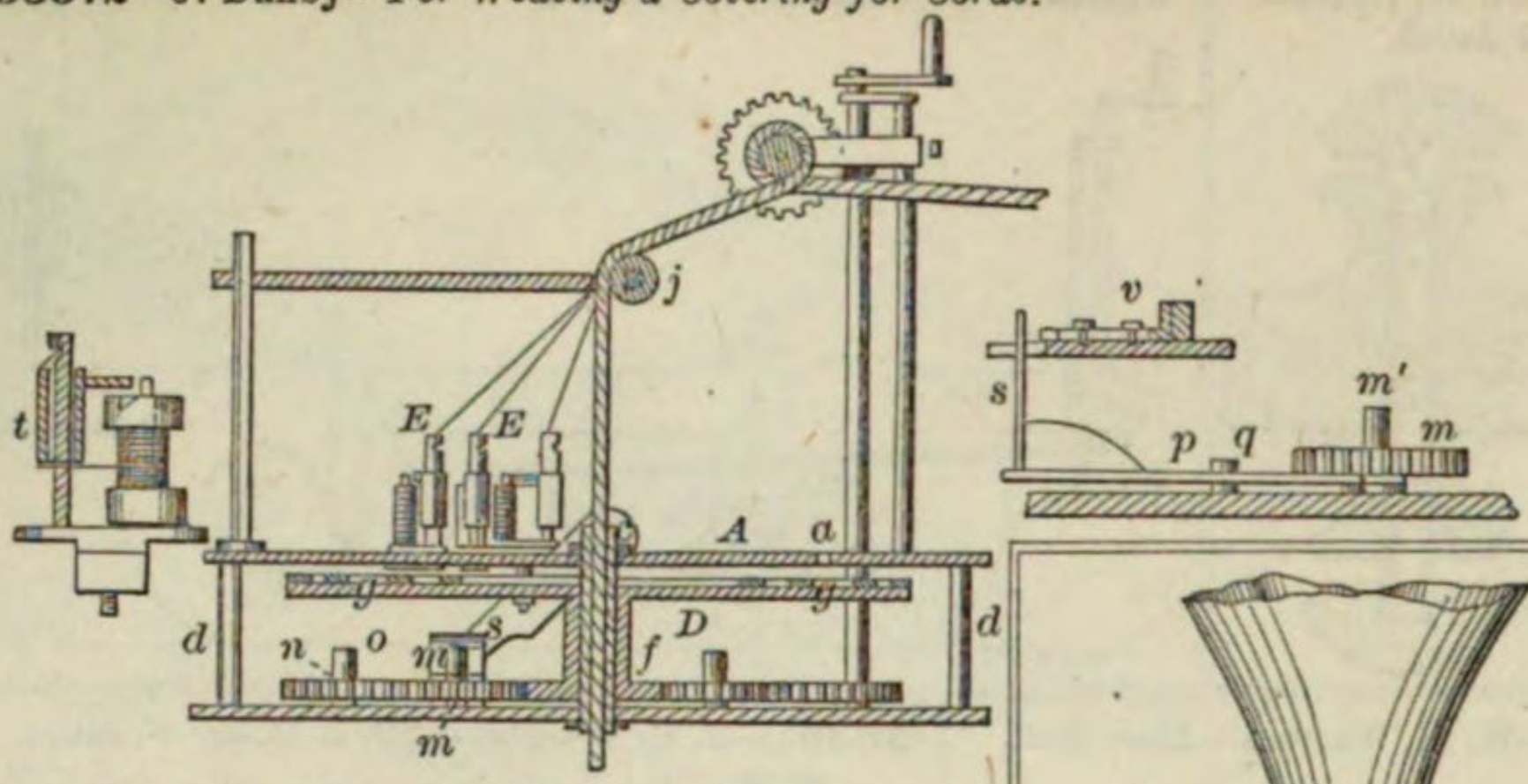
53370—M. Williams—*Threshing and Winnowing Machine.*



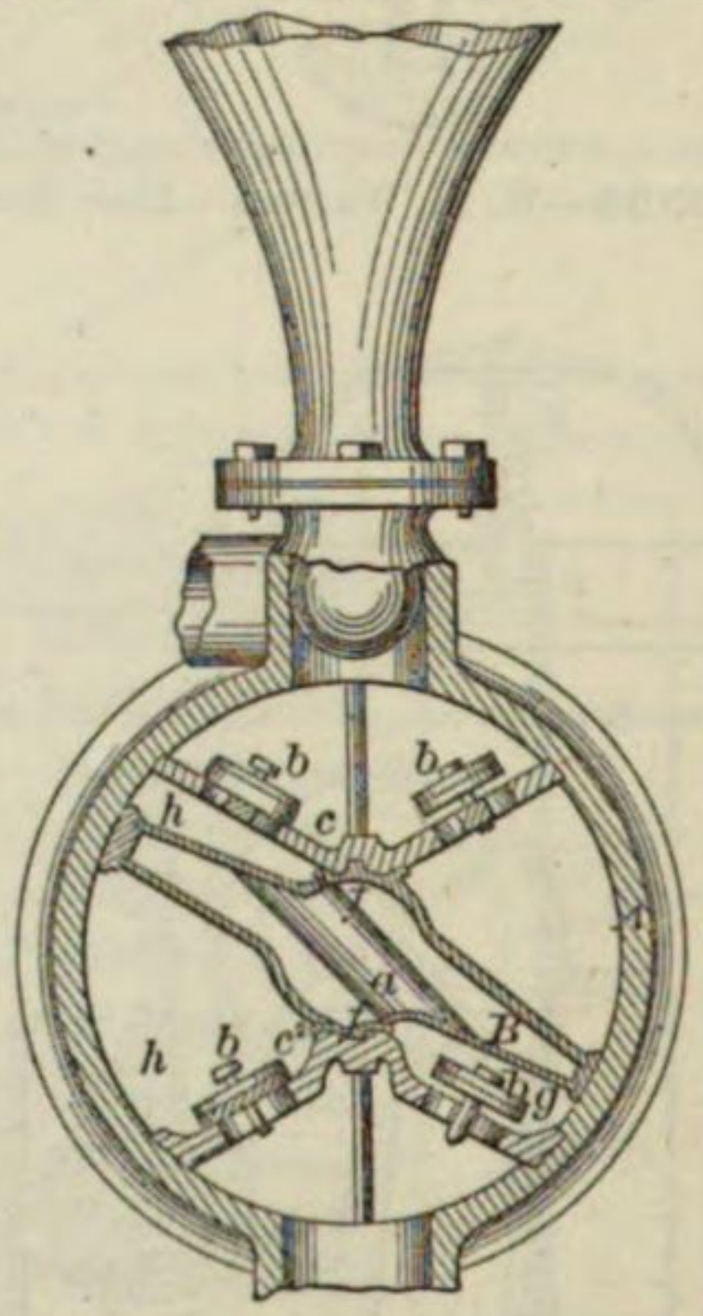
53371—W. Bench—*Attaching Seats to the Beds of Vehicles.*



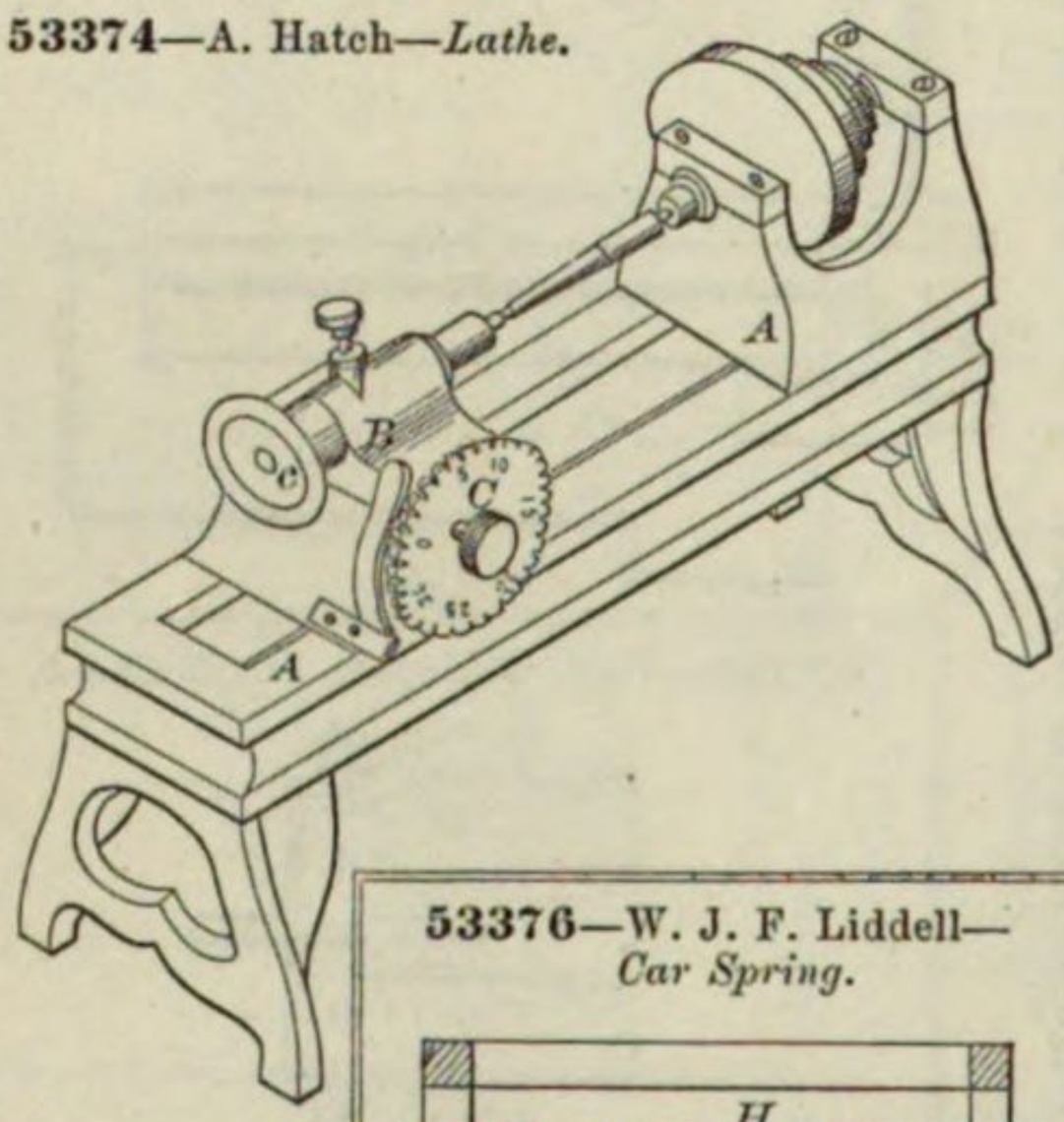
53372—J. Danby—*For Weaving a Covering for Cords.*



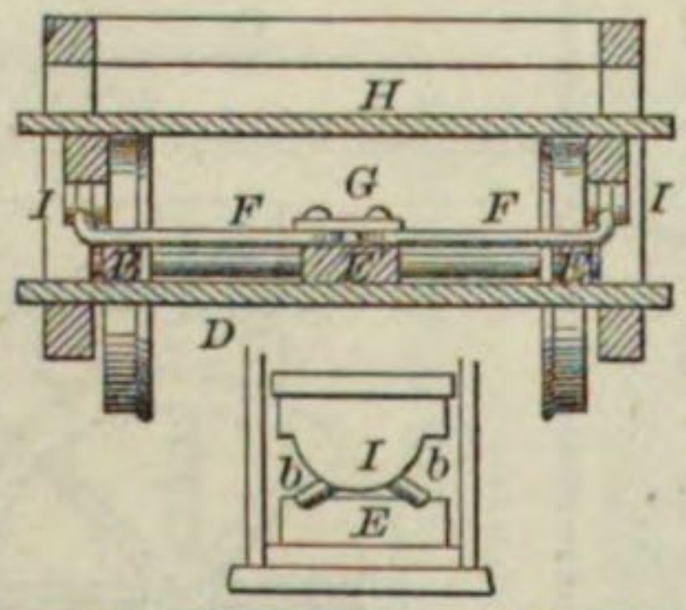
53373—J. E. Hallet—*Oscillating Pump.*



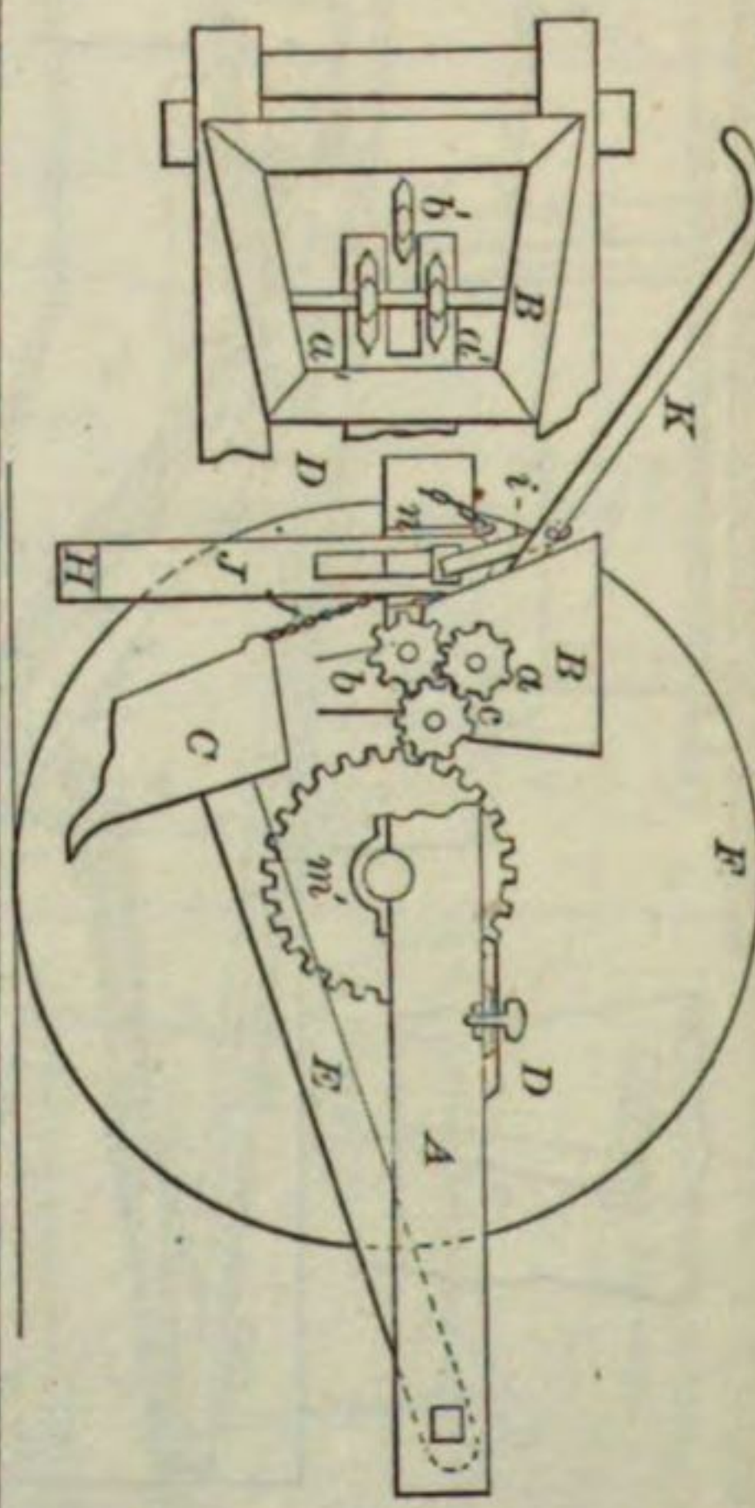
53374—A. Hatch—*Lathe.*



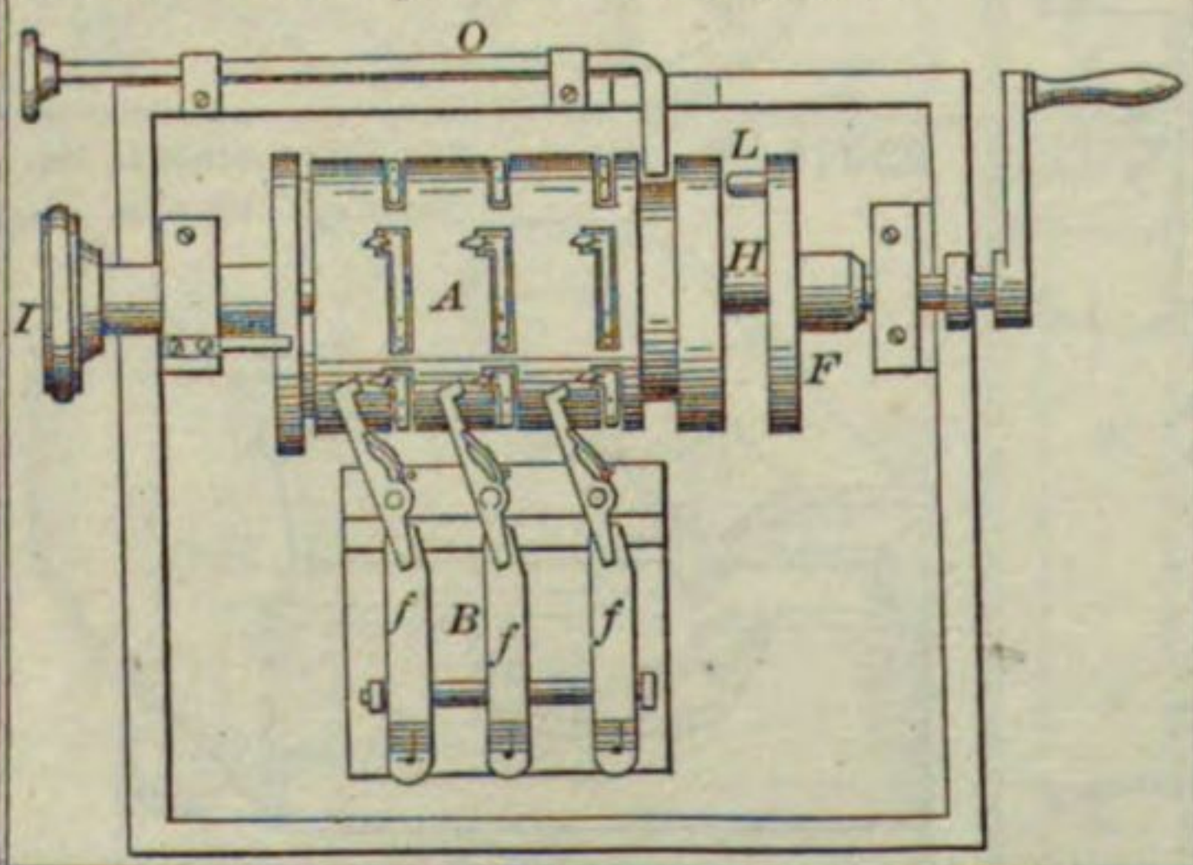
53376—W. J. F. Liddell—
Car Spring.



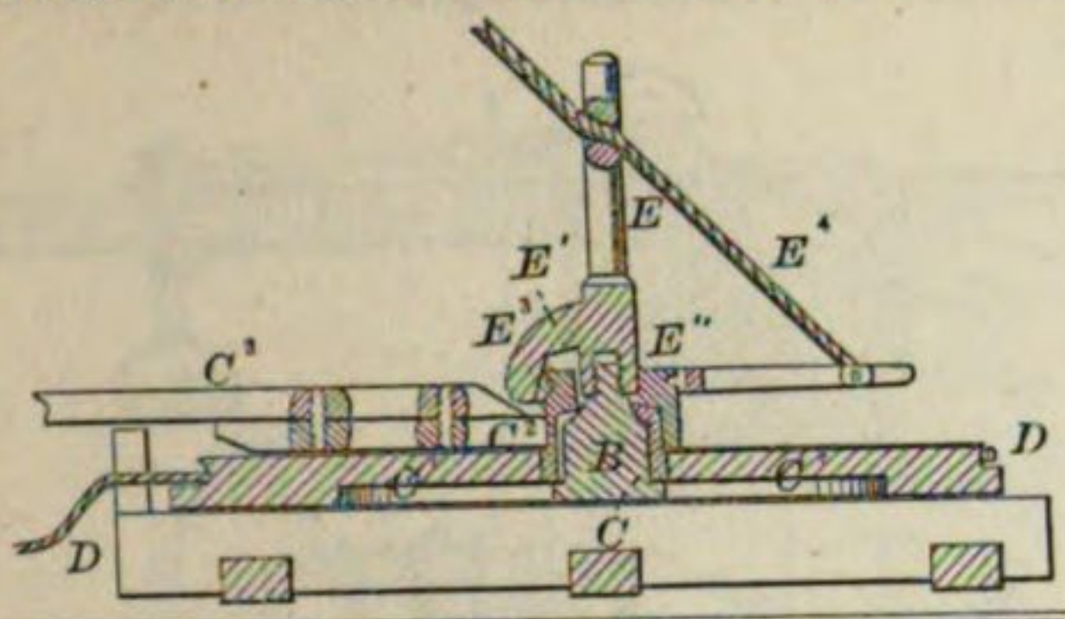
53377—B. Owen—*Cotton Seed Planter.*



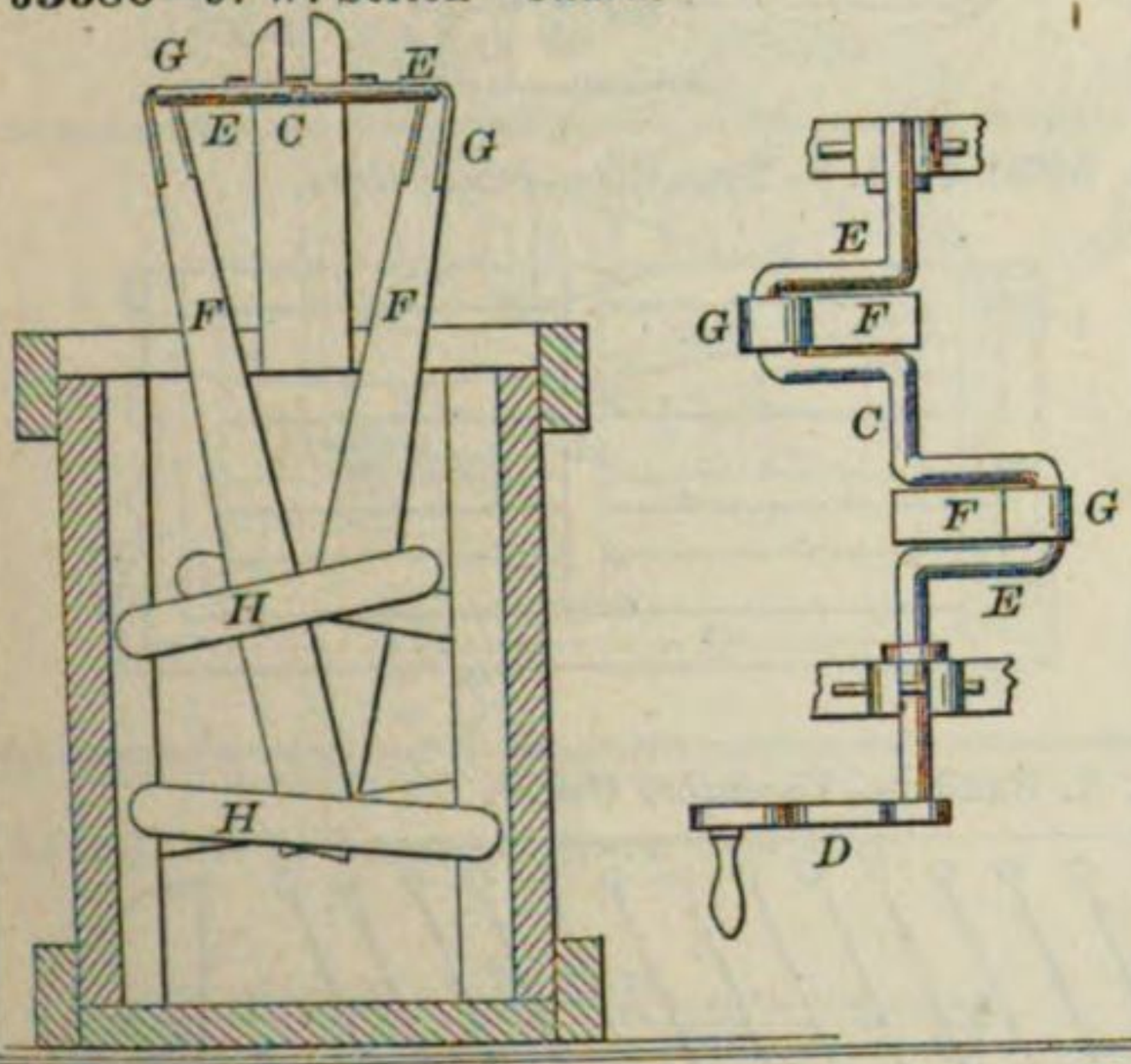
53375—L. Marques—*Musical Instrument.*



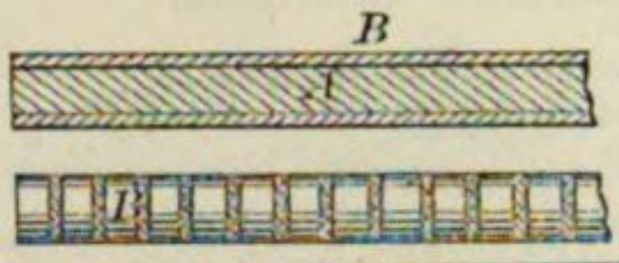
53378—J. M. Randle—*Horse Power.*



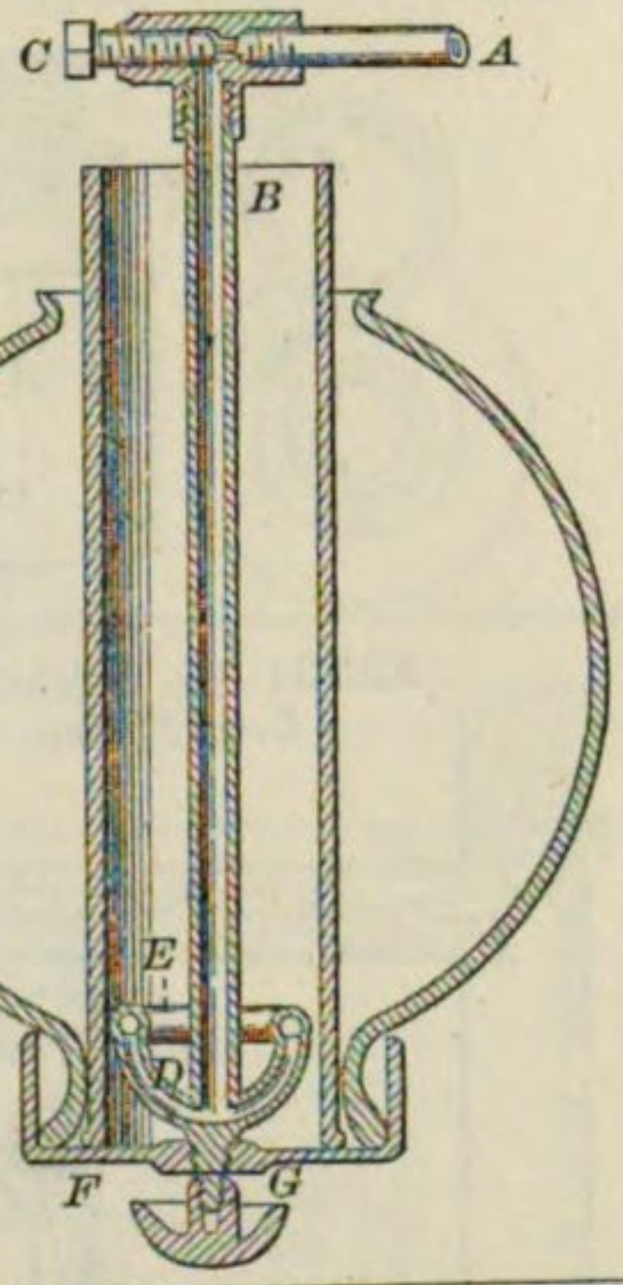
53380—J. W. Sefton—*Churn.*



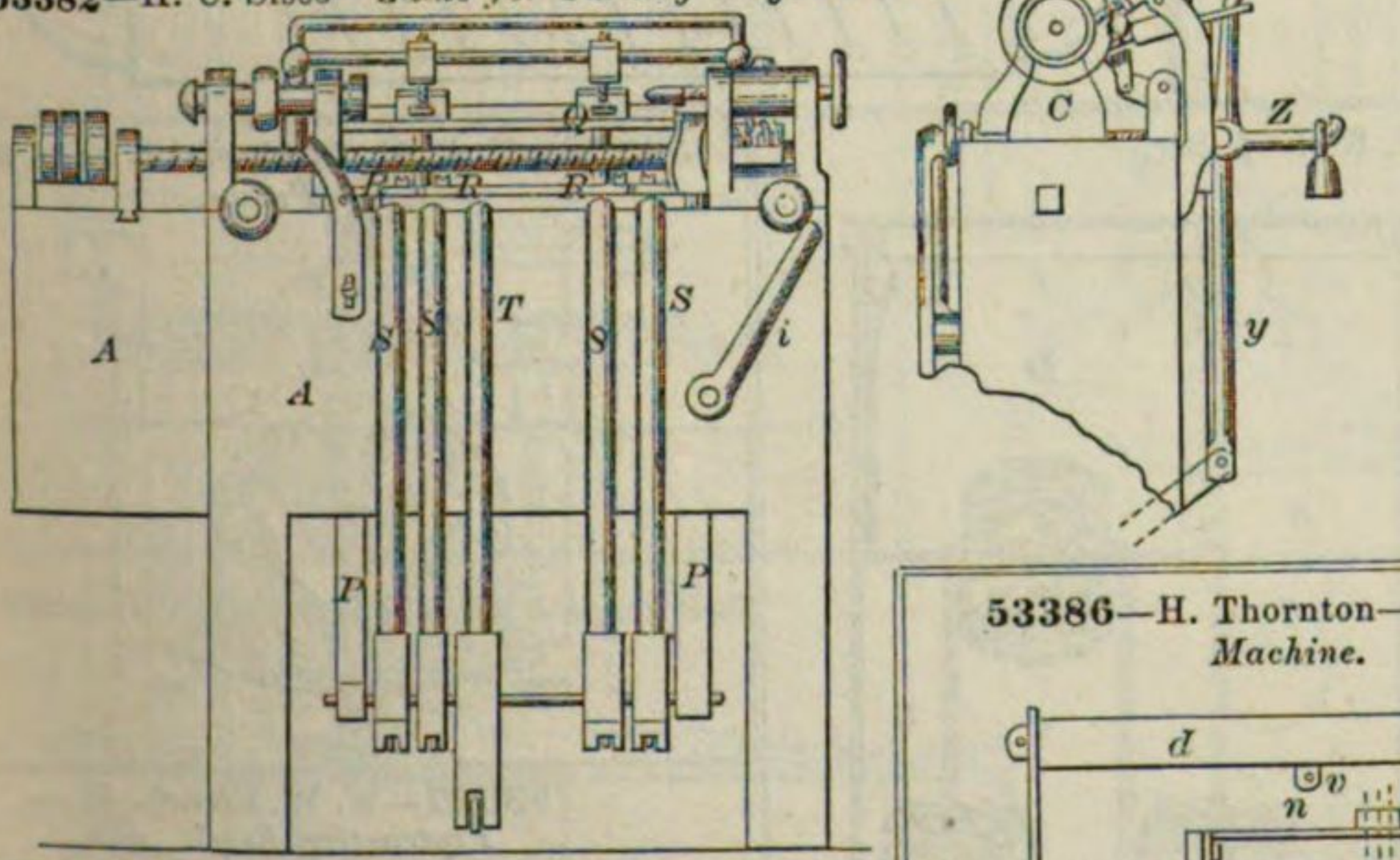
53381—A. Shipley—*Stair Rod.*



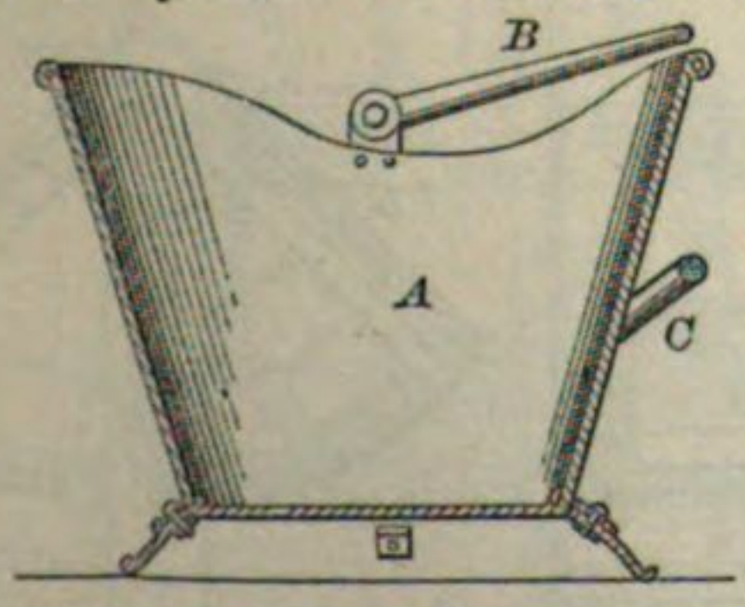
53383—J. Stratton—*Hydro-Carbon Burner.*



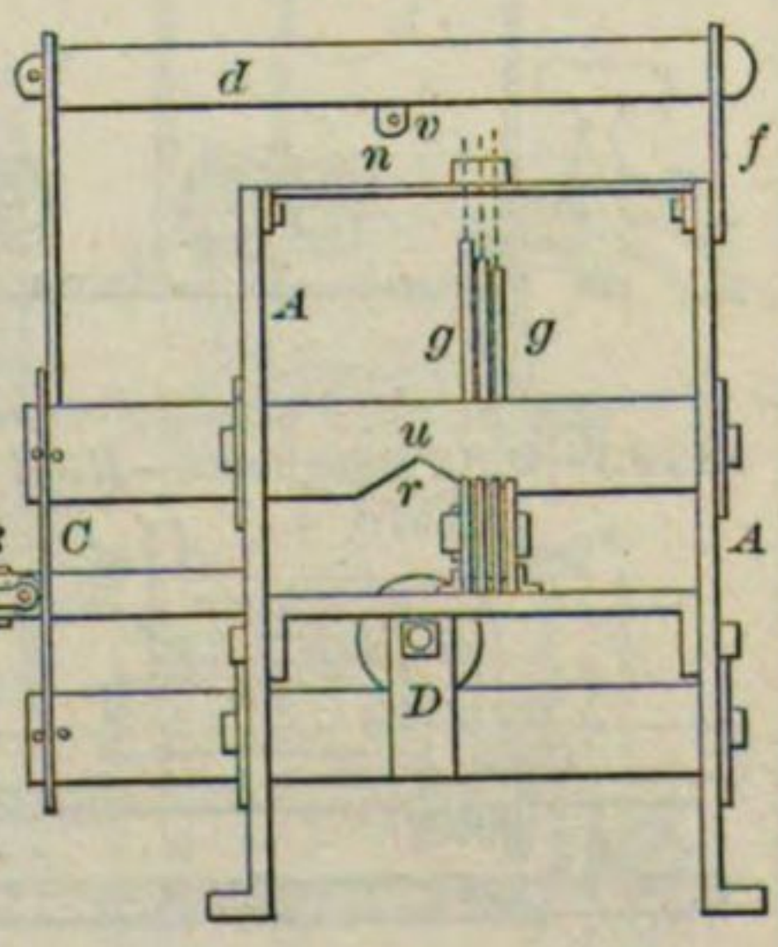
53382—H. C. Sisco—*Lathe for Turning Wagon Hubs.*



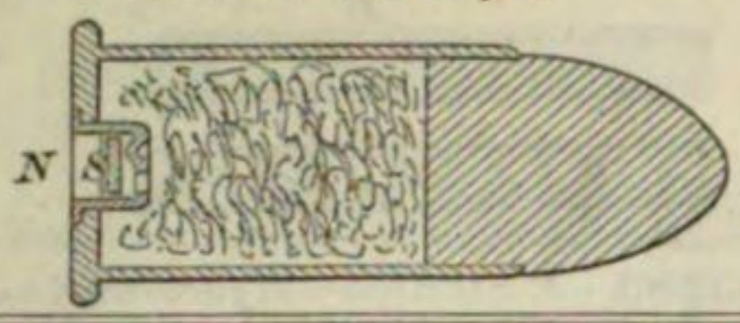
53384—Thompson, Smith & Jennings—*Coal Hod.*



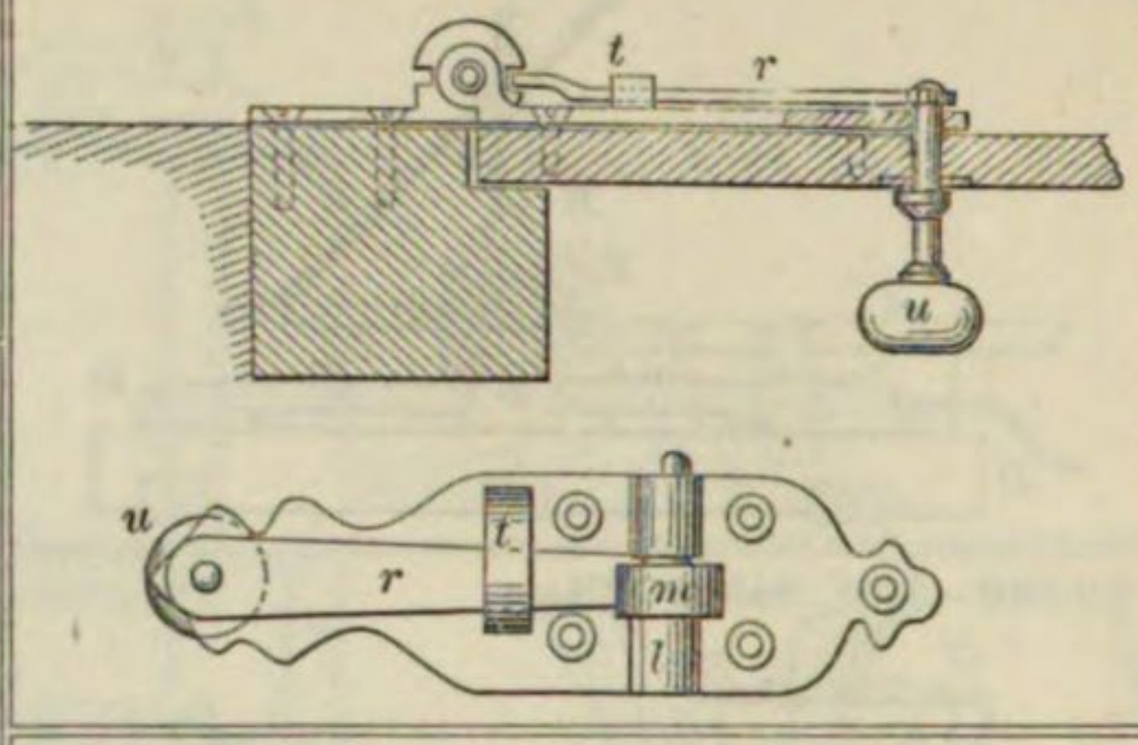
53386—H. Thornton—*Knitting Machine.*



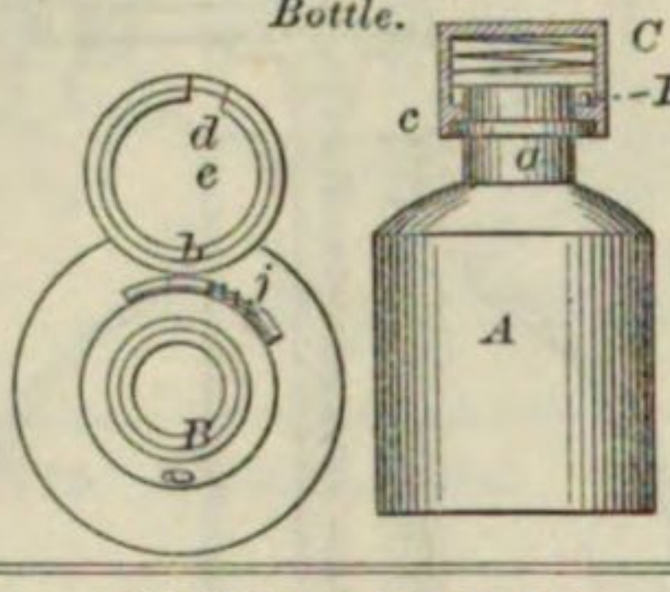
53388—H. Berdan—*Priming Metallic Cartridges.*



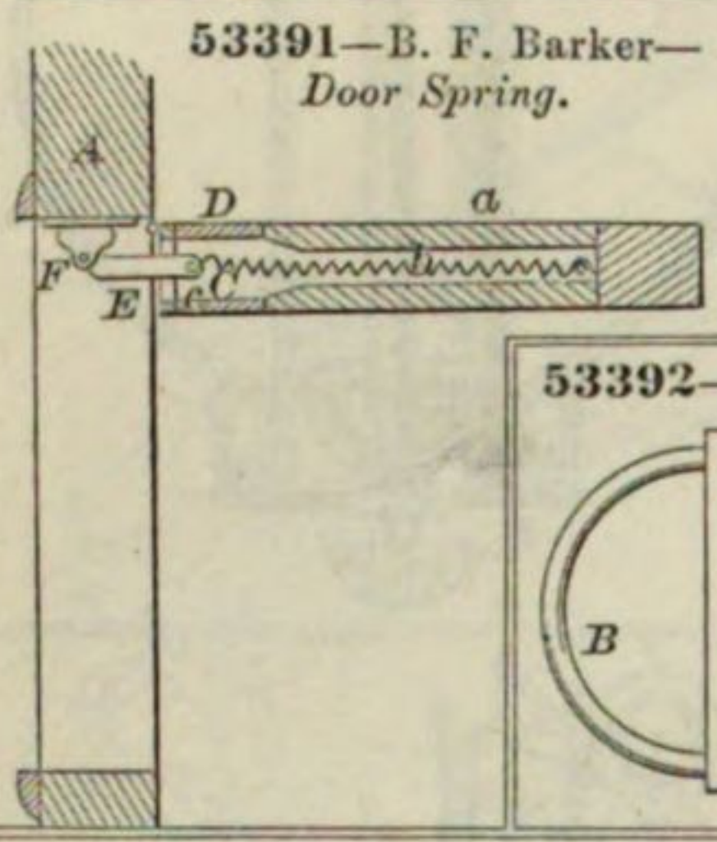
53389—J. W. Allen—*Hinge.*



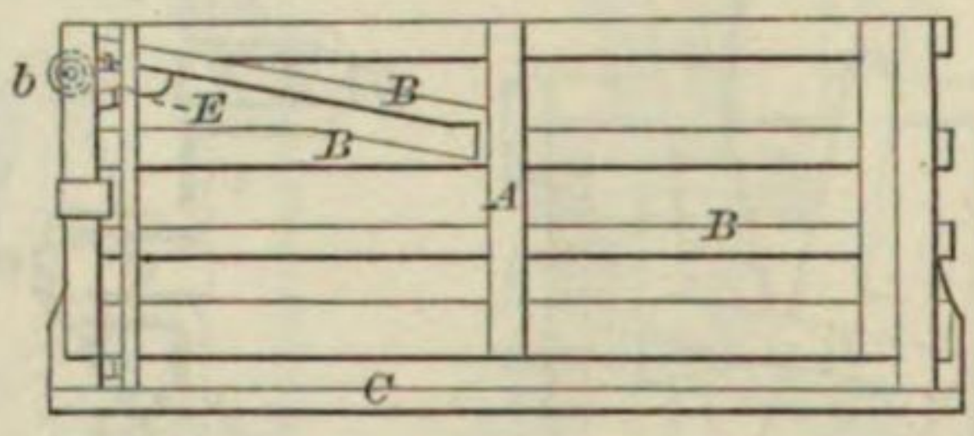
53390—M. Ames—*Stopper for Ink Bottle.*



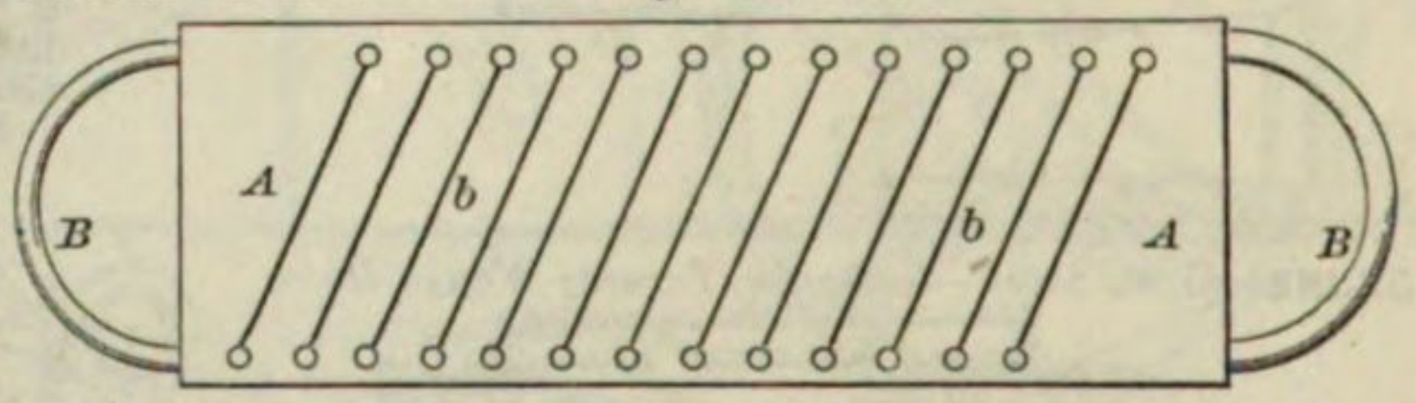
53391—B. F. Barker—*Door Spring.*



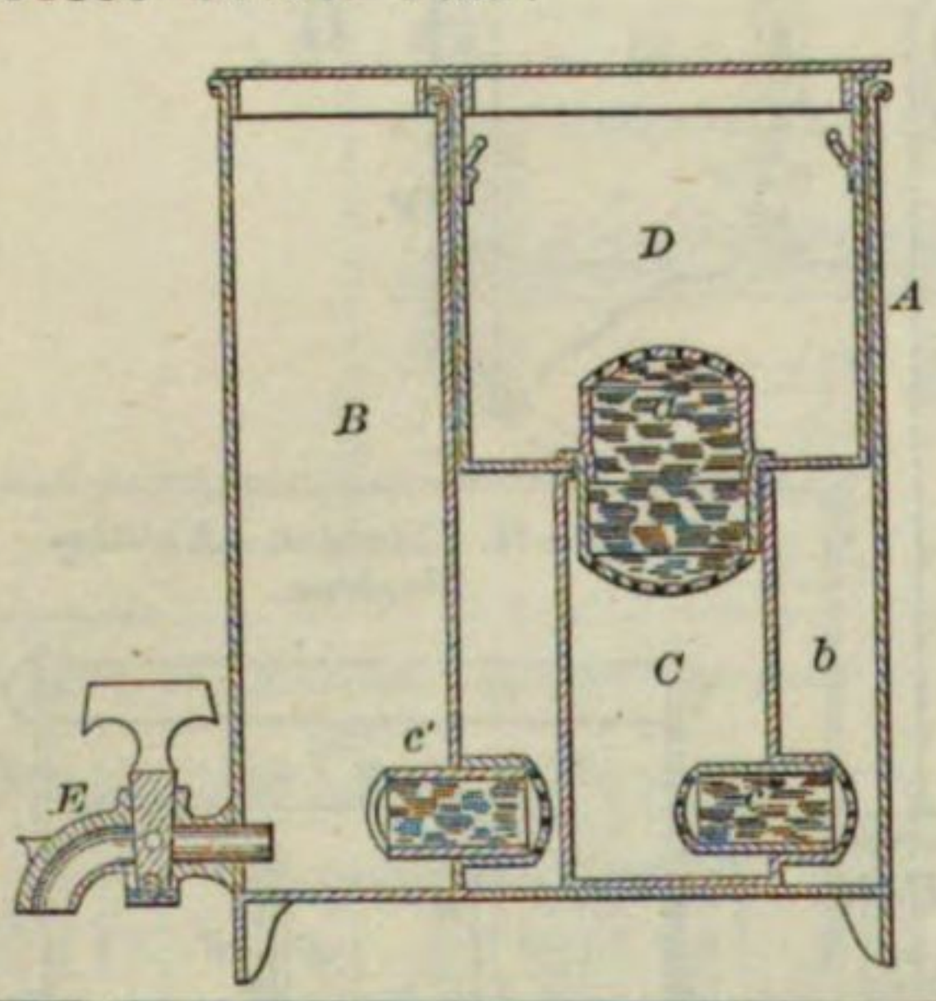
53394—J. S. Benedict—*Fence Gate.*



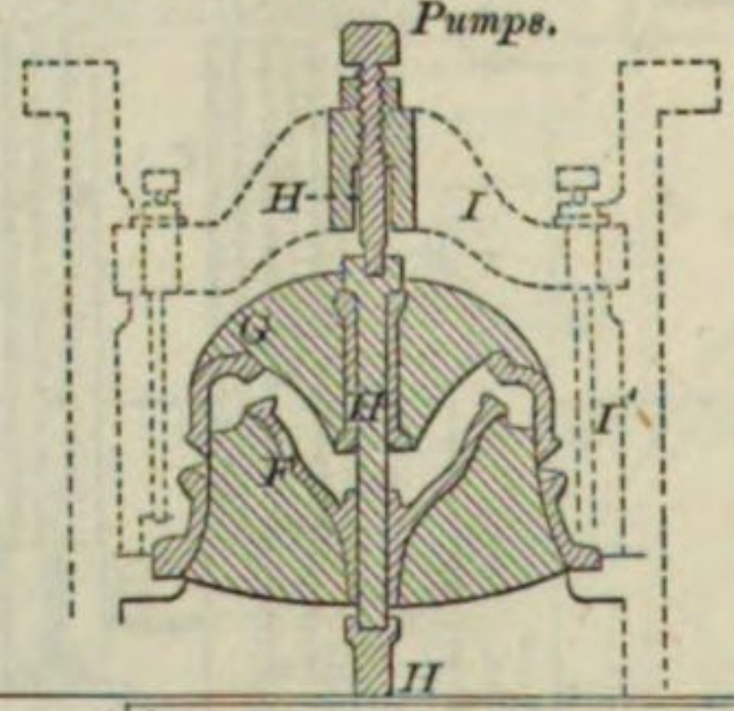
53392—C. T. A. Bauder—*Vegetable Cutter.*



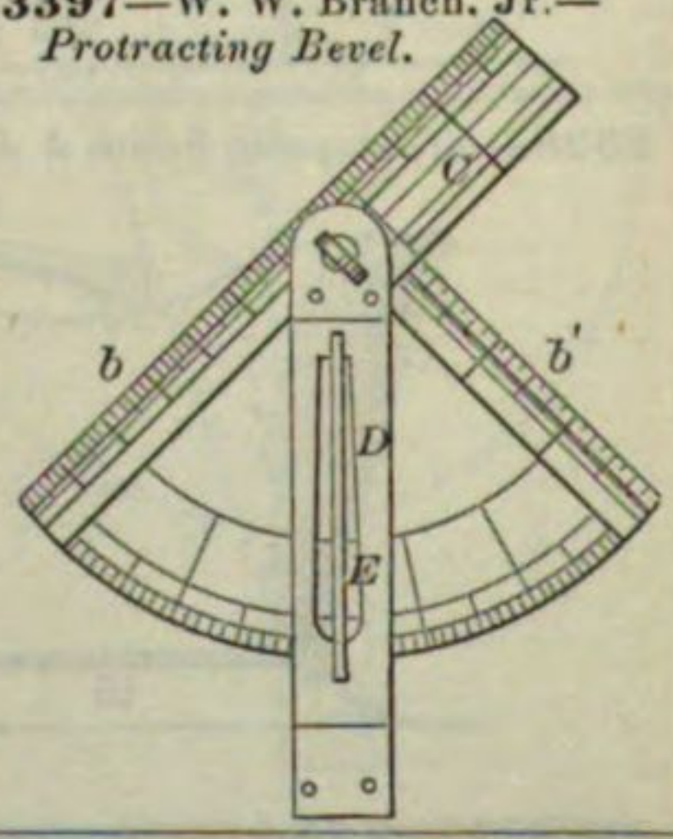
53395—B. Best—*Filter.*



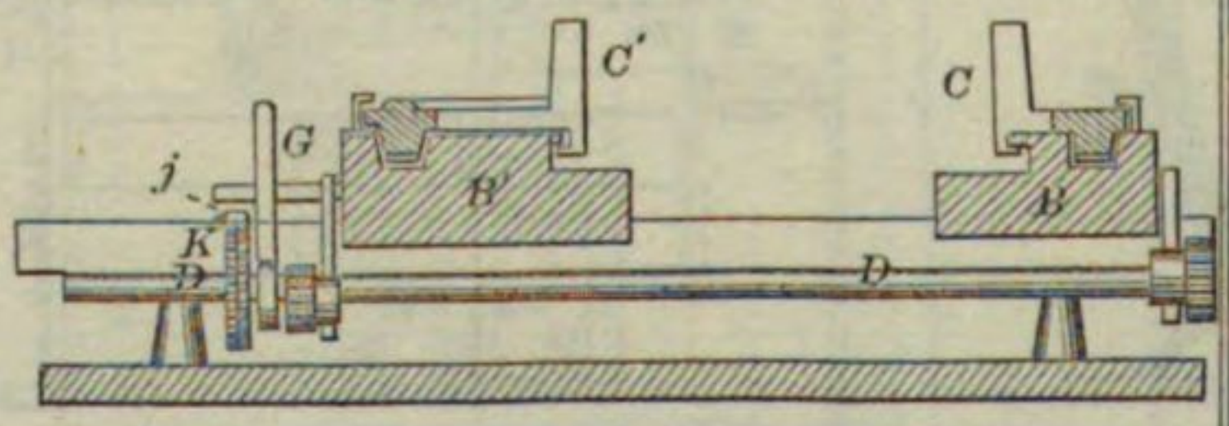
53396—H. P. M. Birkinbine—*Valve for Pumps.*



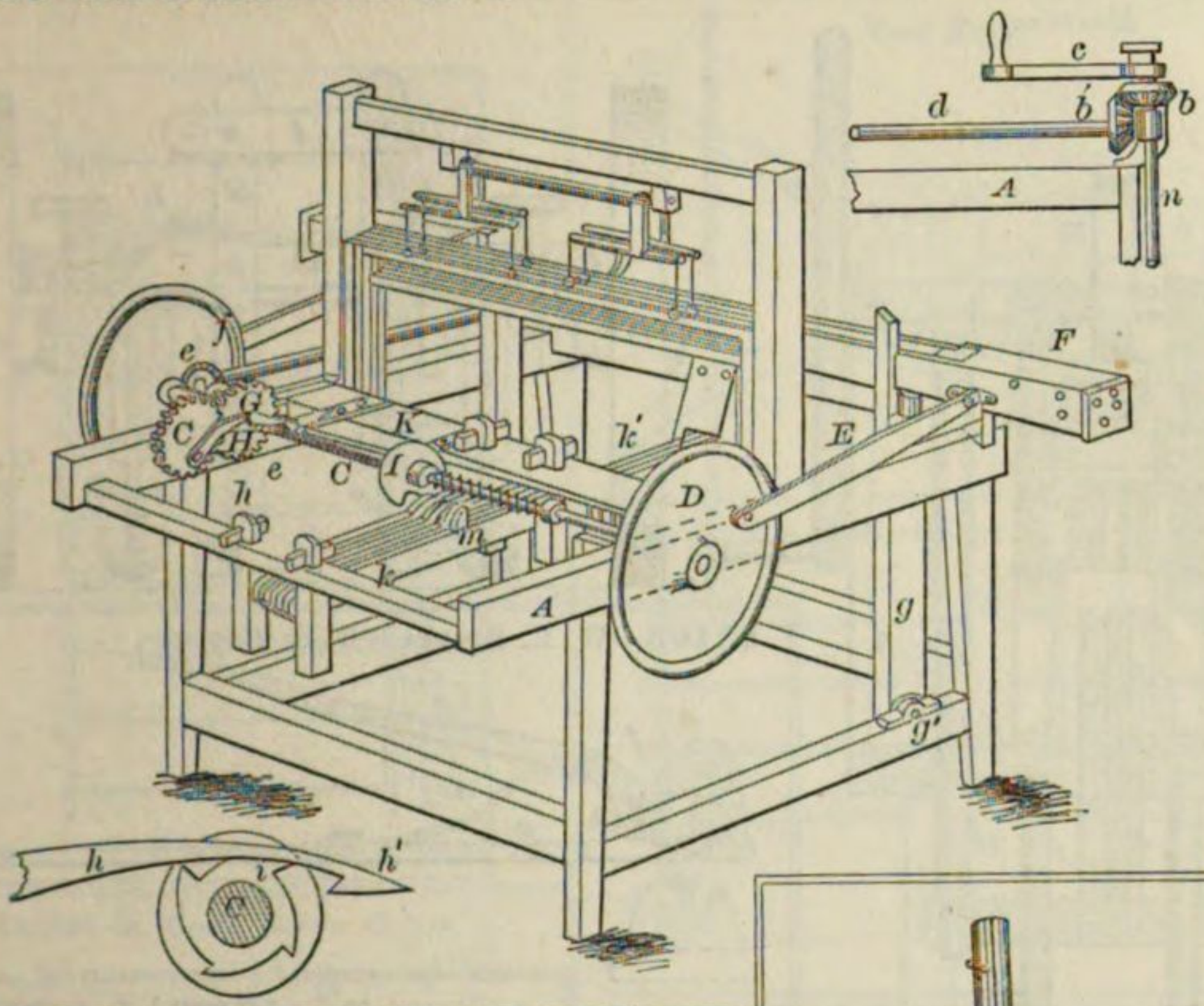
53397—W. W. Branch, Jr.—*Protracting Bevel.*



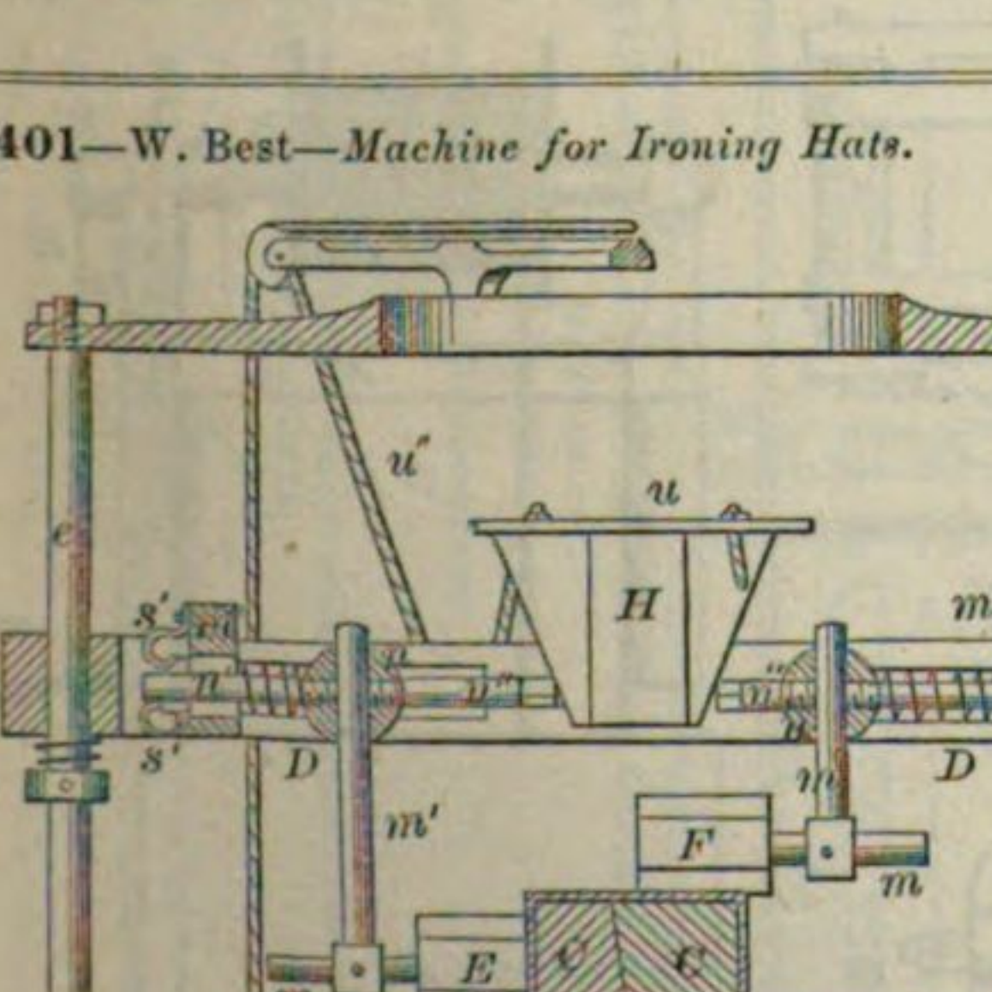
53393—D. C. Baughman—*Head Block for Saw Mills.*



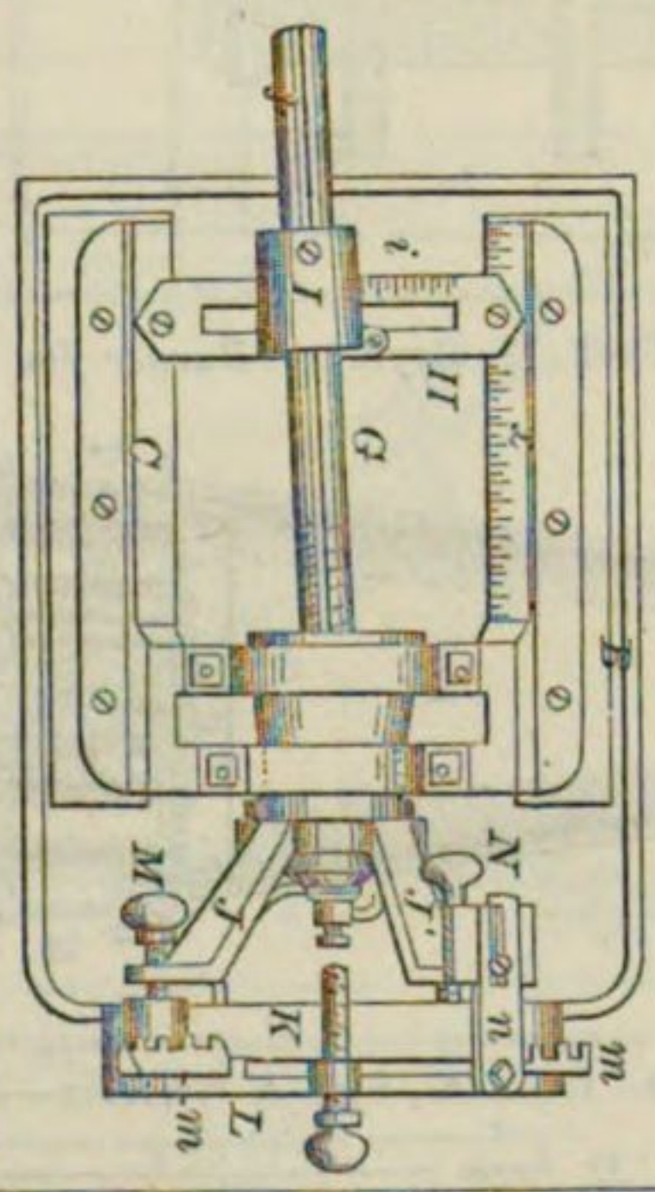
53398—J. L. Branson—*Hand Loom.*



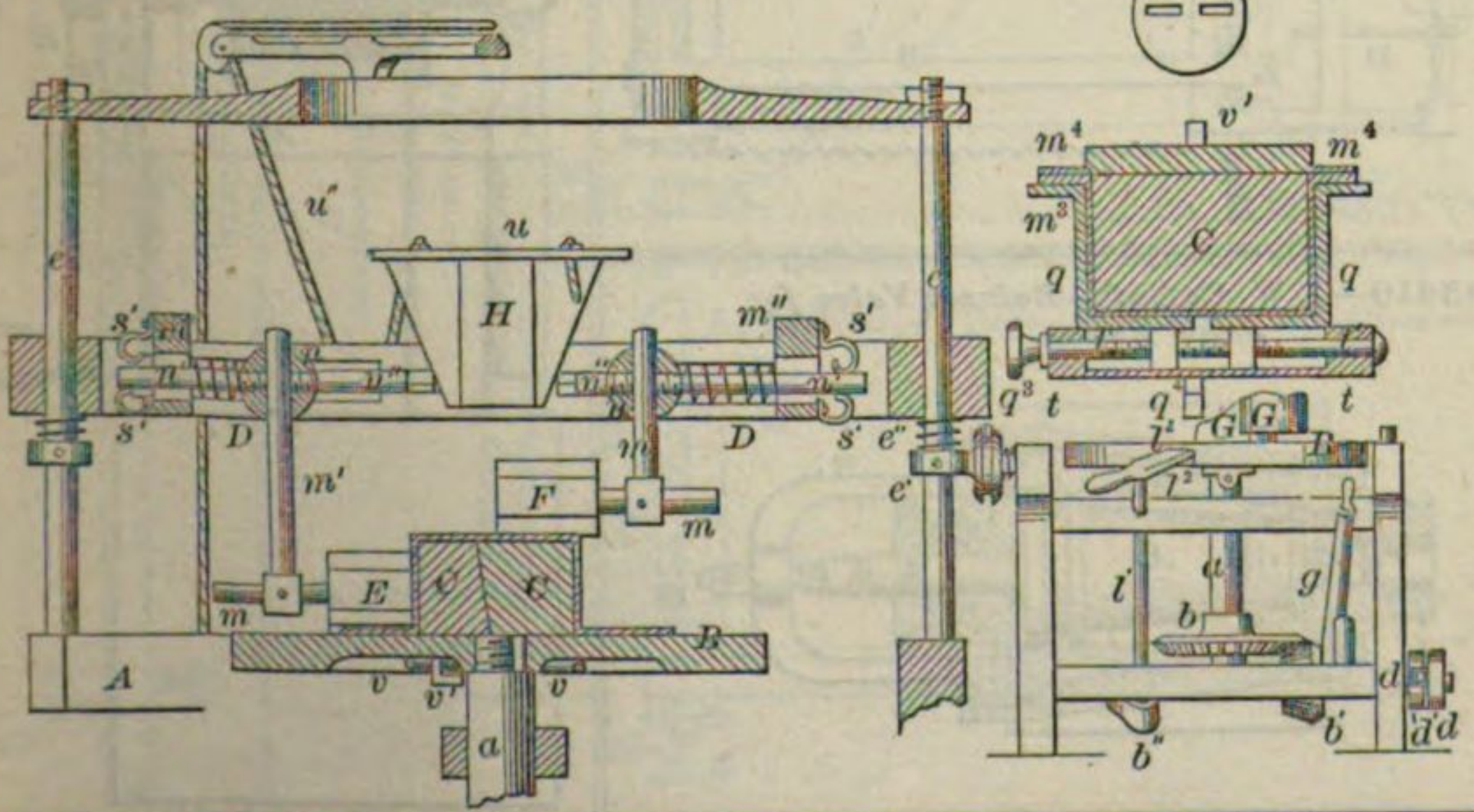
53399—G. B. Brayton—*Steam Generator.*



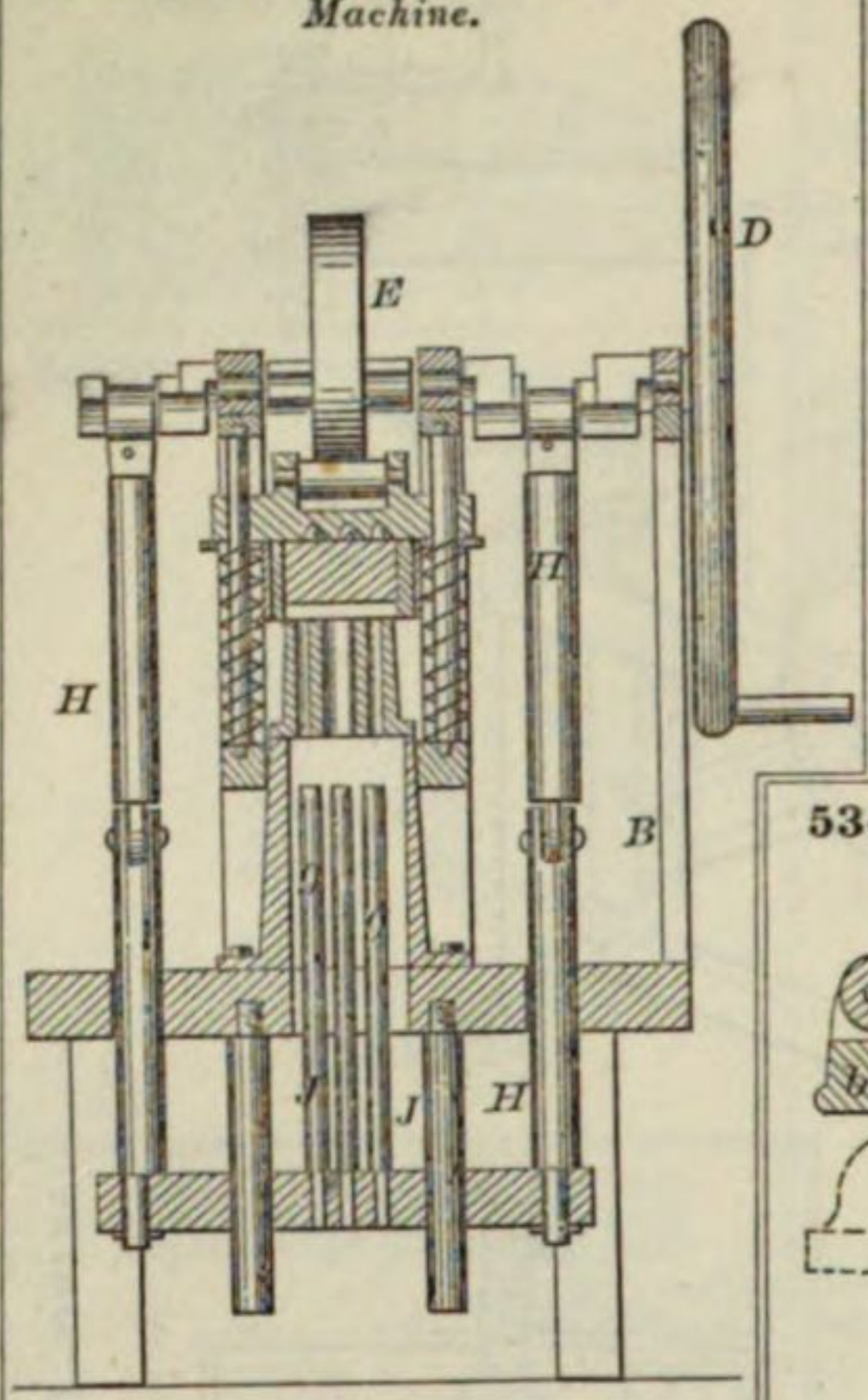
53400—D. C. Breed—*Machine for Boring Hubs.*



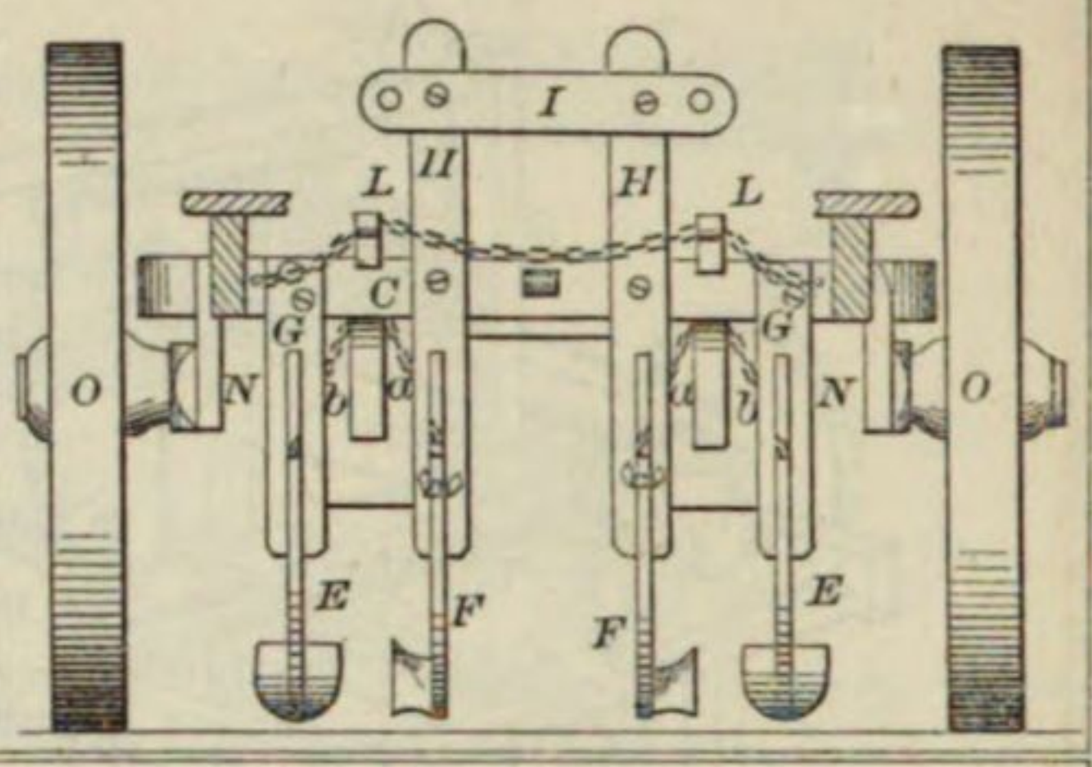
53401—W. Best—*Machine for Ironing Hats.*



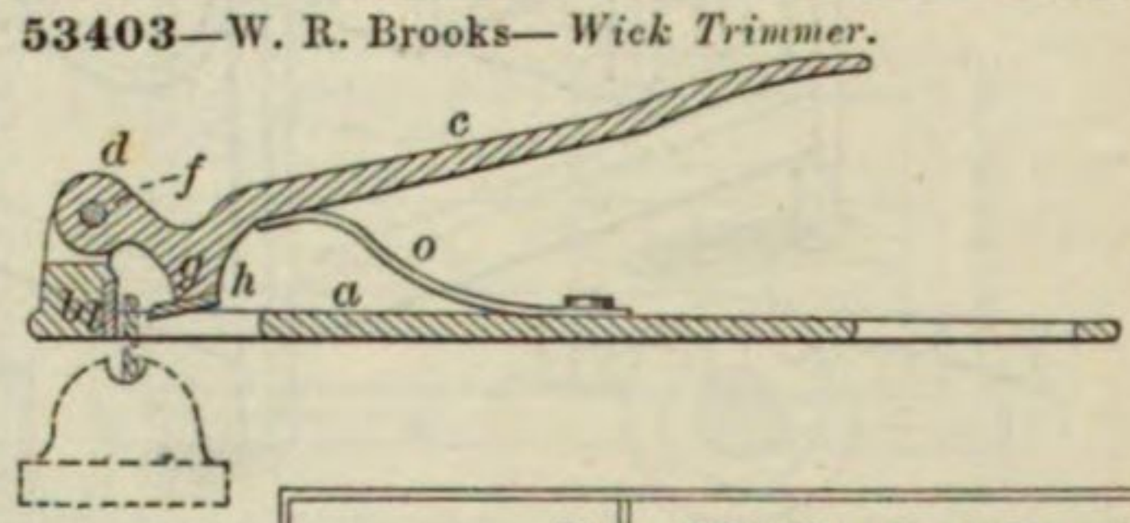
53402—N. W. Brewer—*Wooden Pin Machine.*



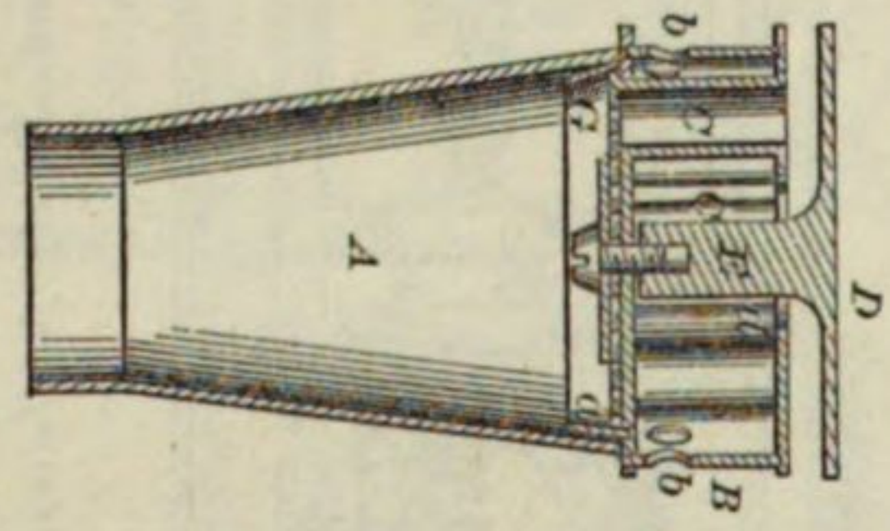
53408—Canfield & Hess—*Cultivator.*



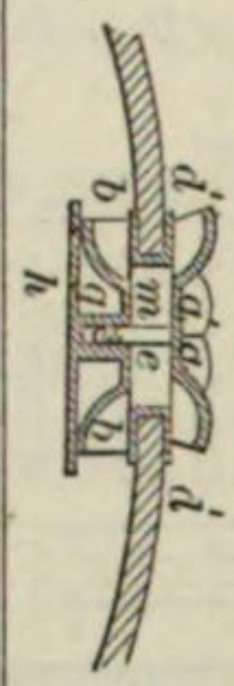
53403—W. R. Brooks—*Wick Trimmer.*



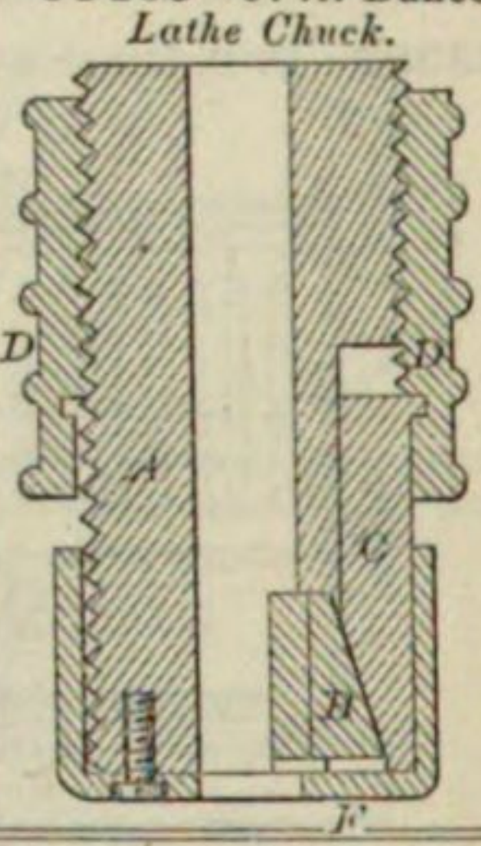
53404—T. H. Brymer—*Burner for Gas Stoves.*



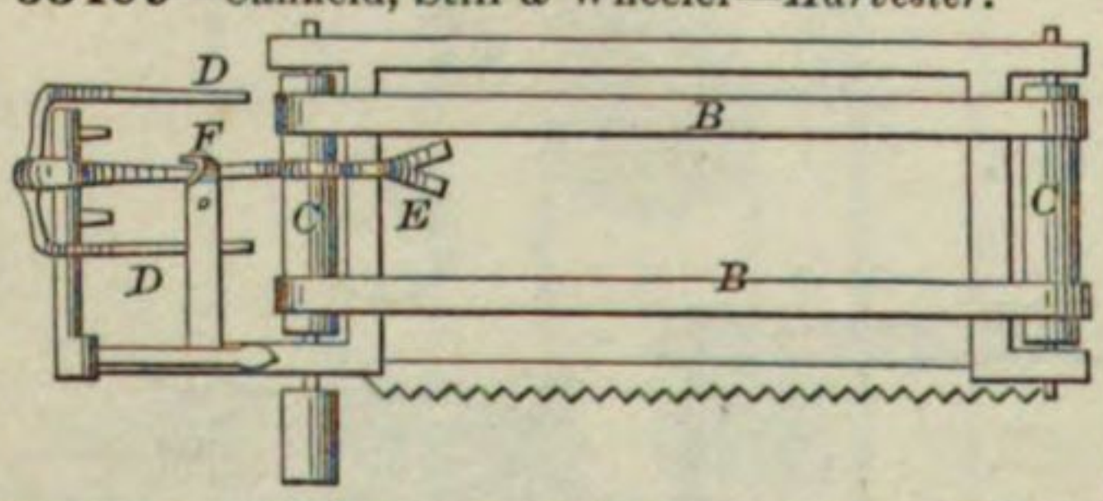
53406—B. J. Burnett—*Hat Ventilator.*



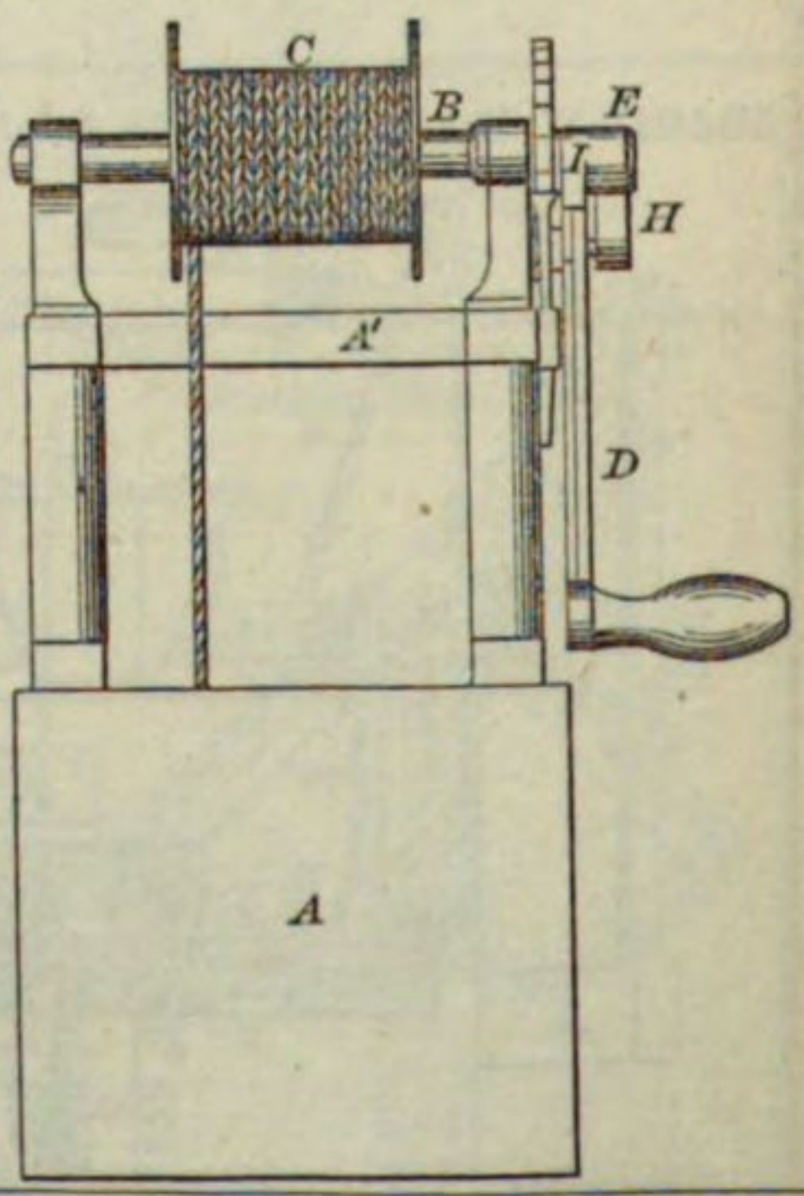
53405—J. A. Bunce—*Lathe Chuck.*



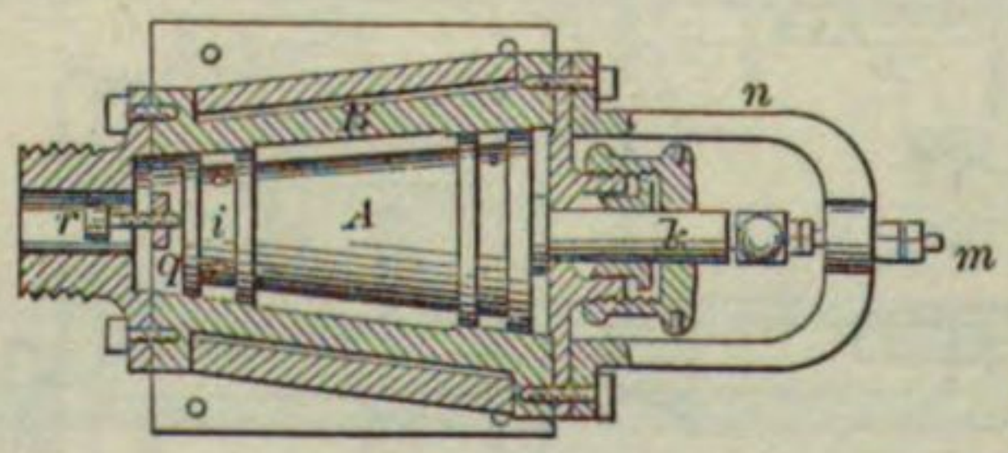
53409—Canfield, Still & Wheeler—*Harvester.*



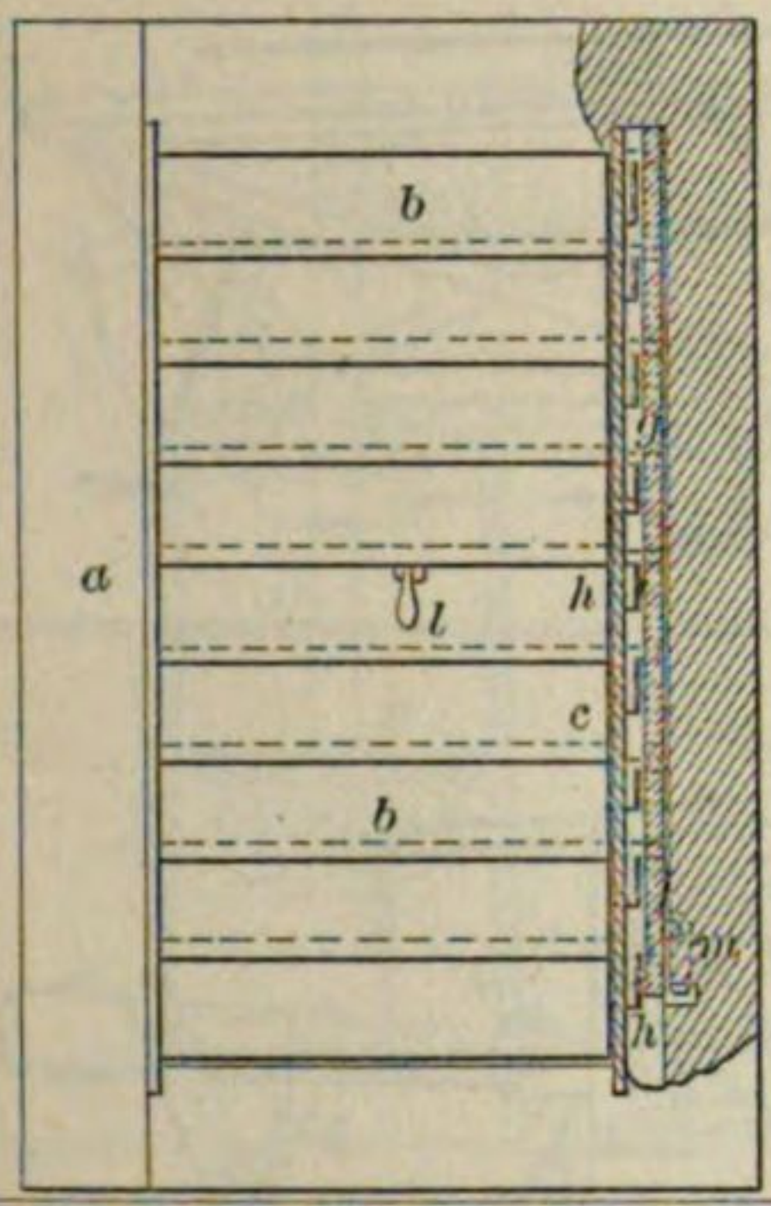
53411—H. P. Castle—*Water Drawer.*



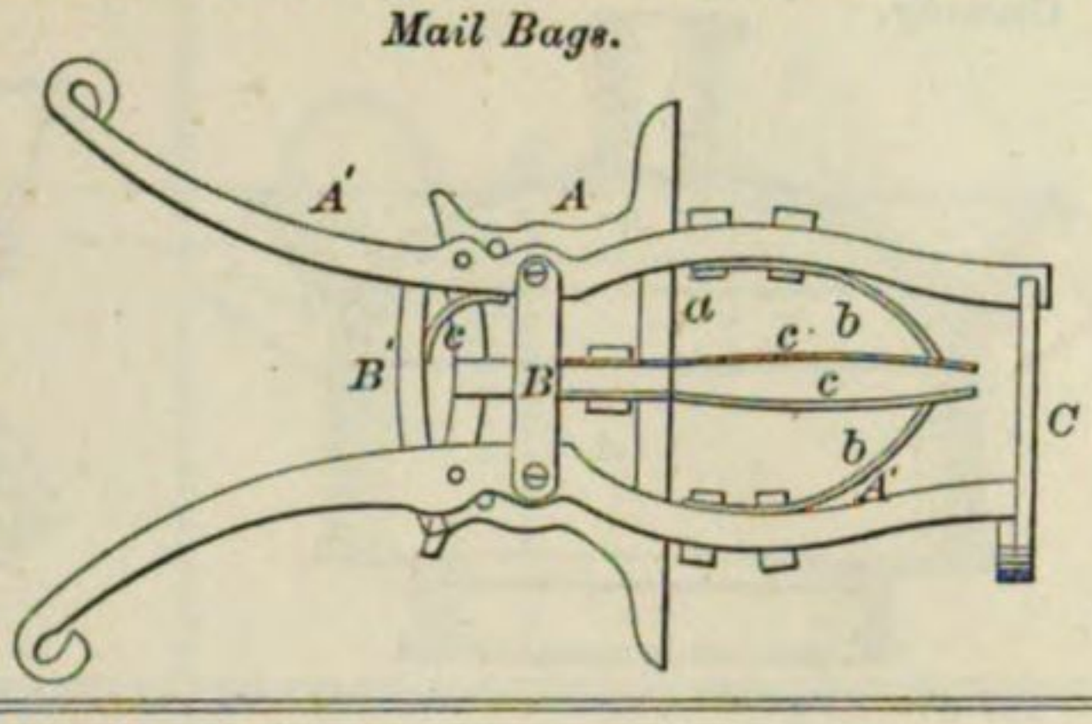
53410—J. W. Carhart—*Balance Valve for Steam Engine.*



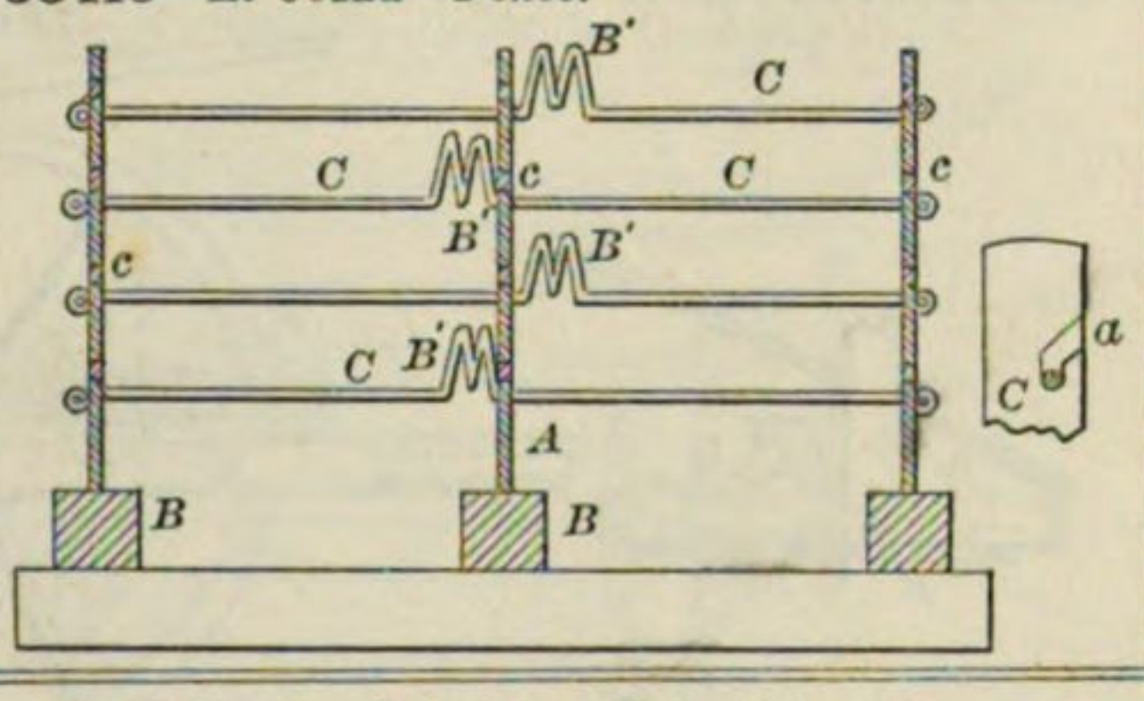
53412—L. W. Chase—*Window Blind.*



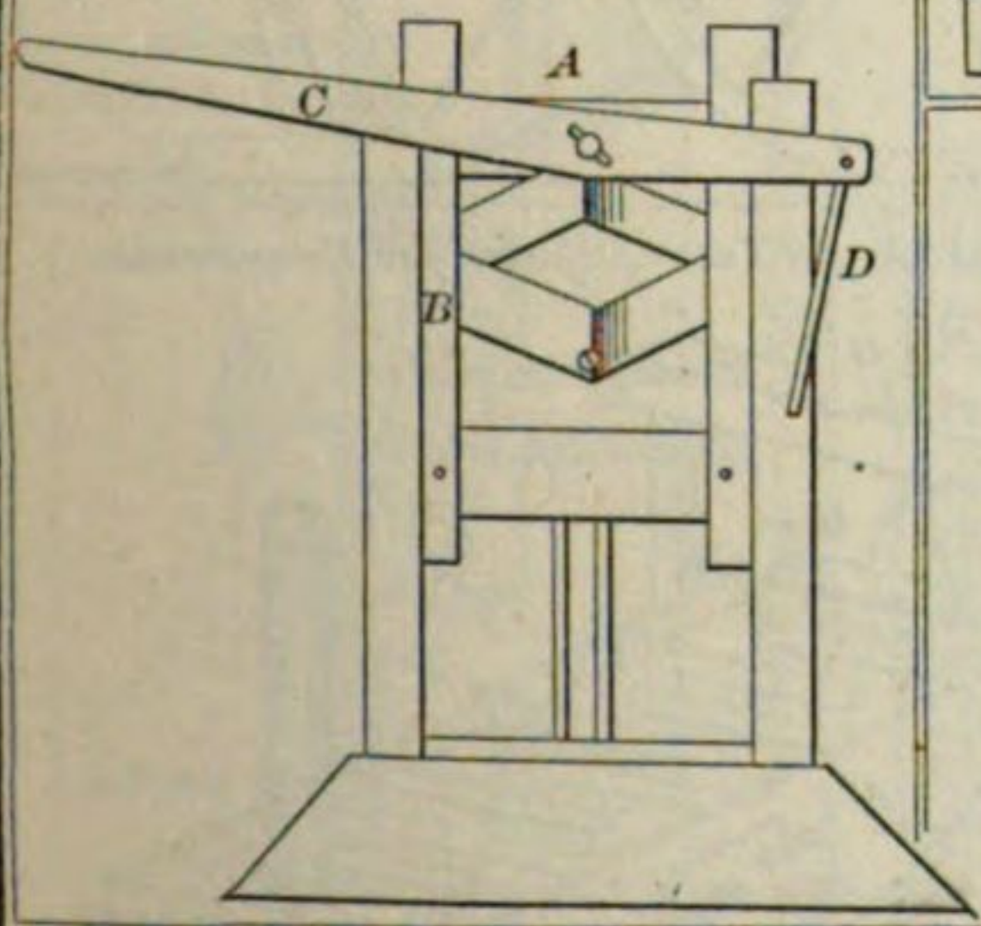
53417—J. J. Cooper—*Receiving and Delivering Mail Bags.*



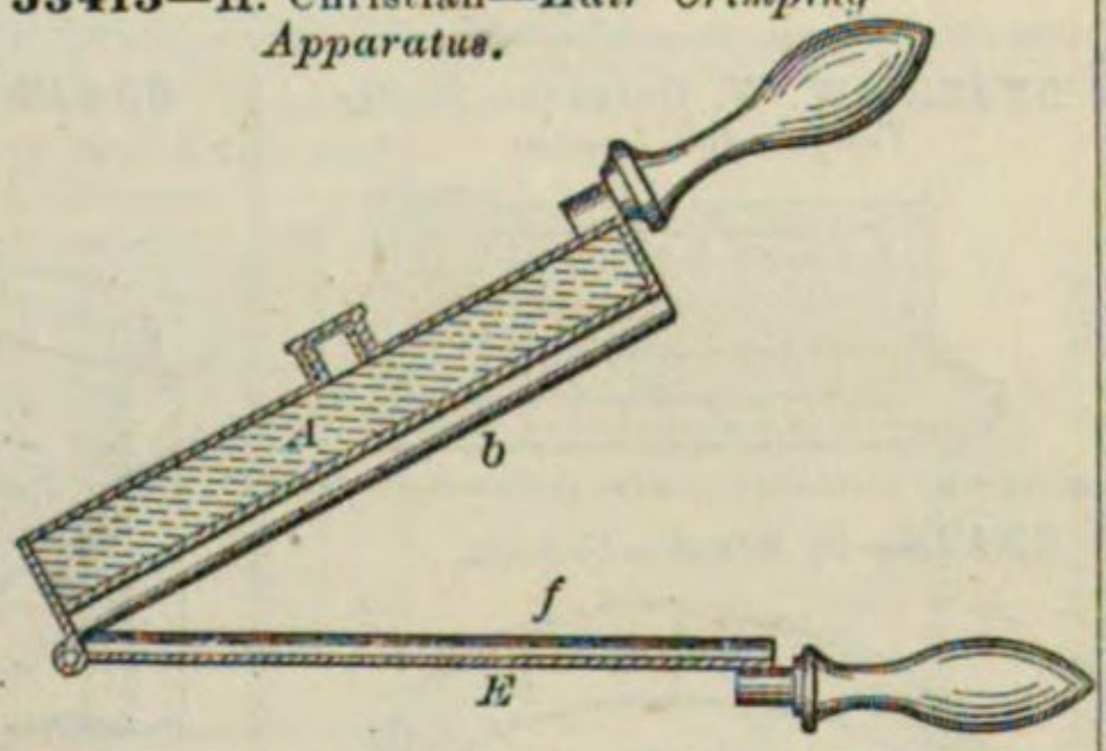
53418—E. Cozad—*Fence.*



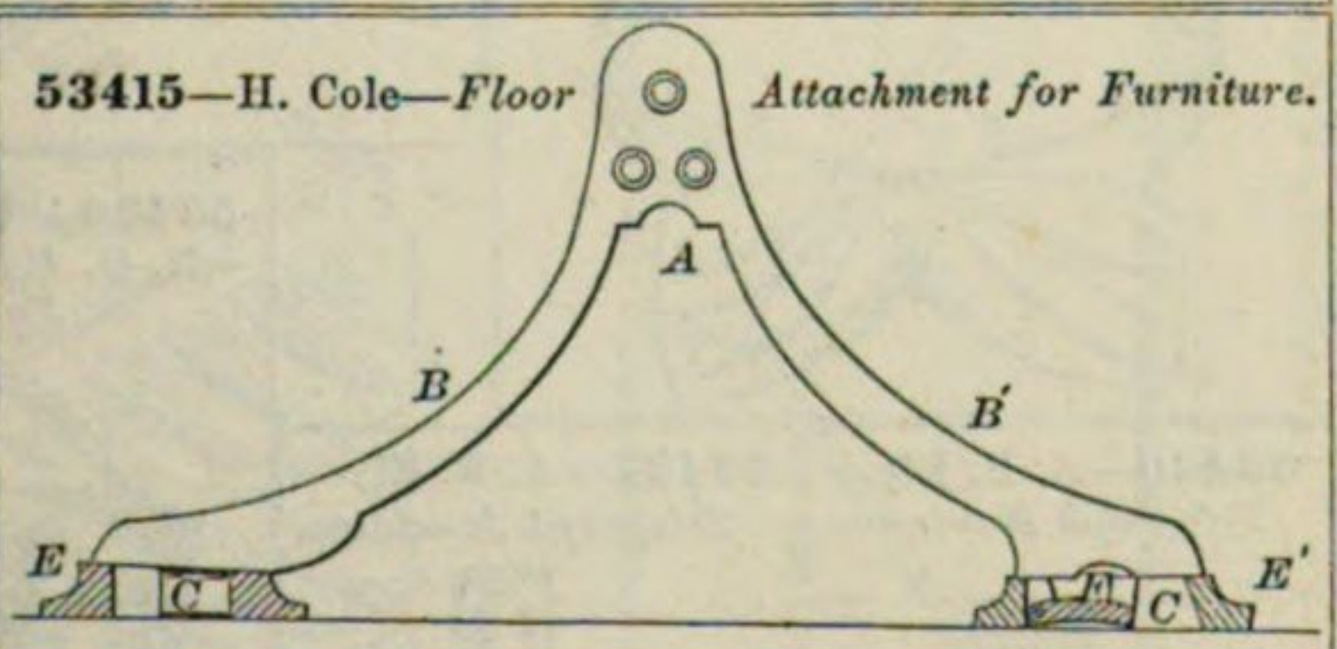
53416—M. Cole—*Straw Cutter.*



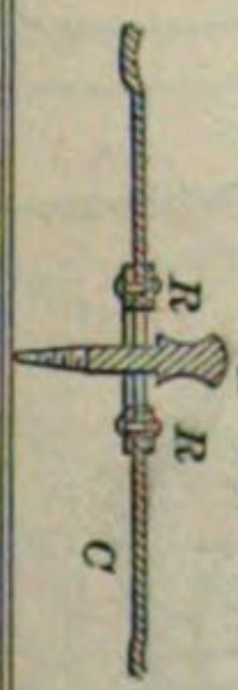
53413—H. Christian—*Hair Crimping Apparatus.*



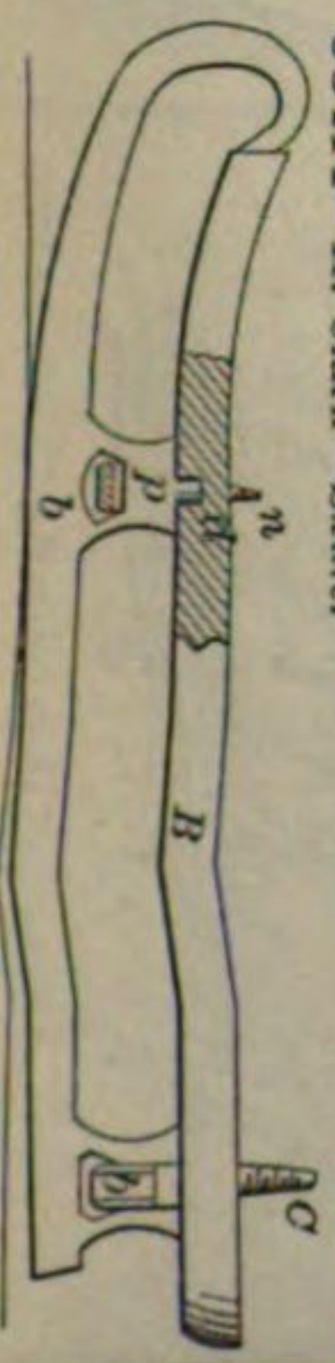
53415—H. Cole—*Floor Attachment for Furniture.*



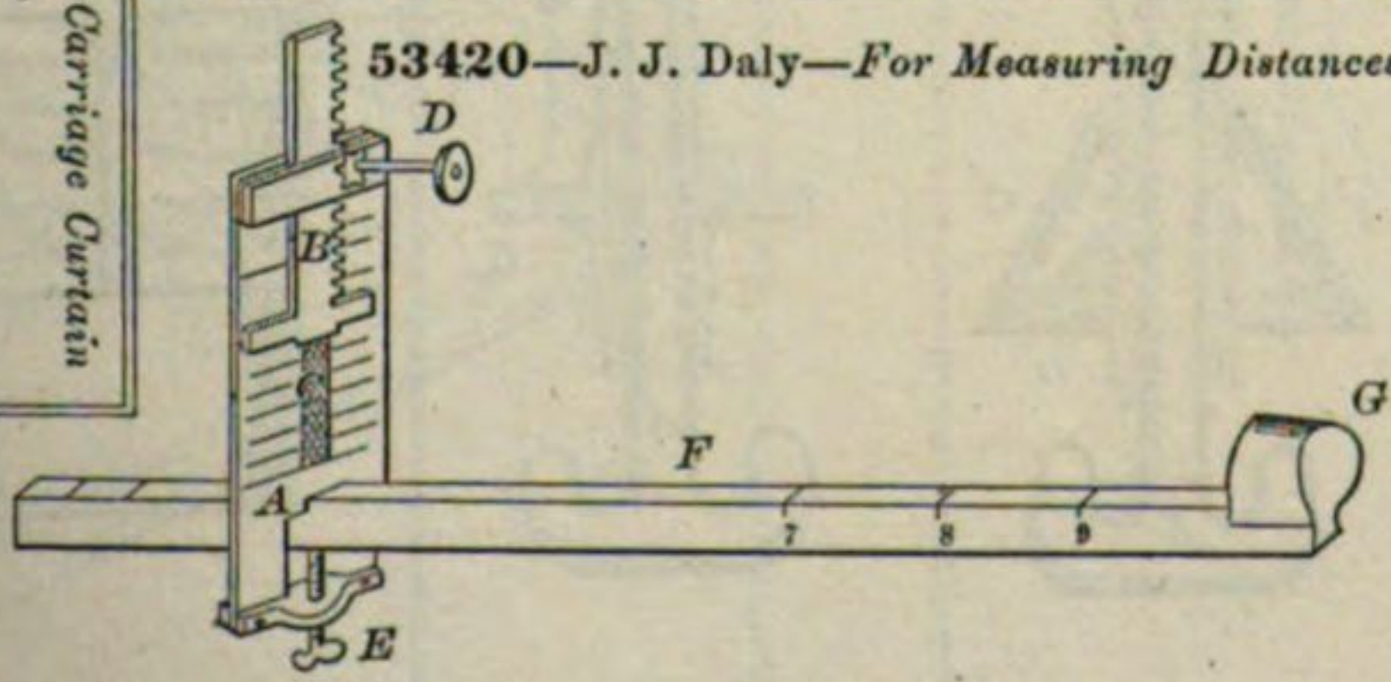
53419—Crawford & Birch—*Carriage Curtain Fastener.*



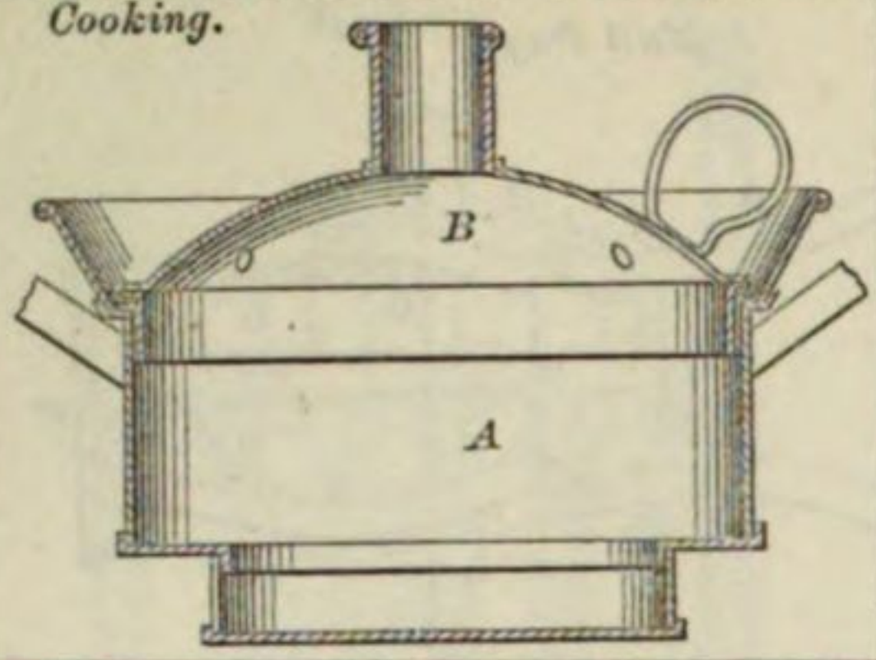
53414—H. Clark—*Skate.*



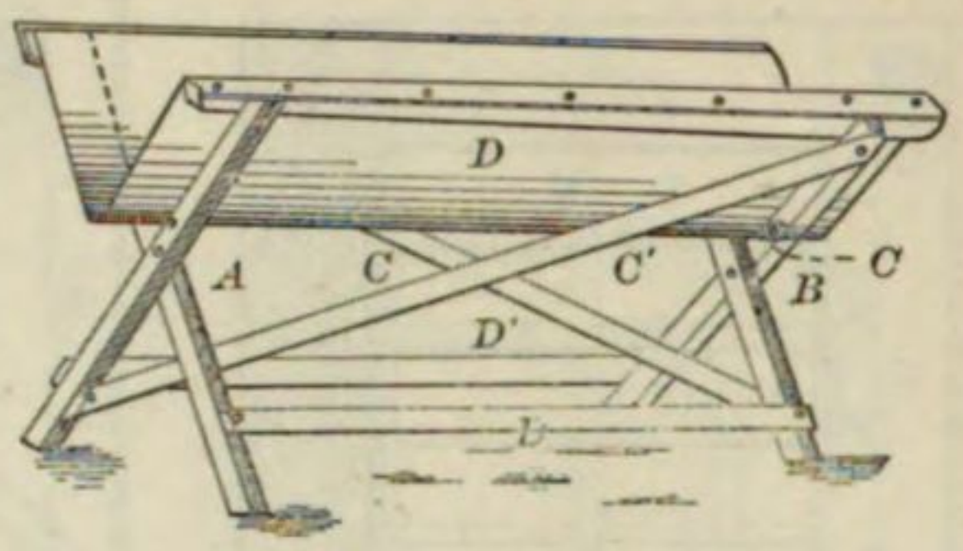
53420—J. J. Daly—*For Measuring Distances.*



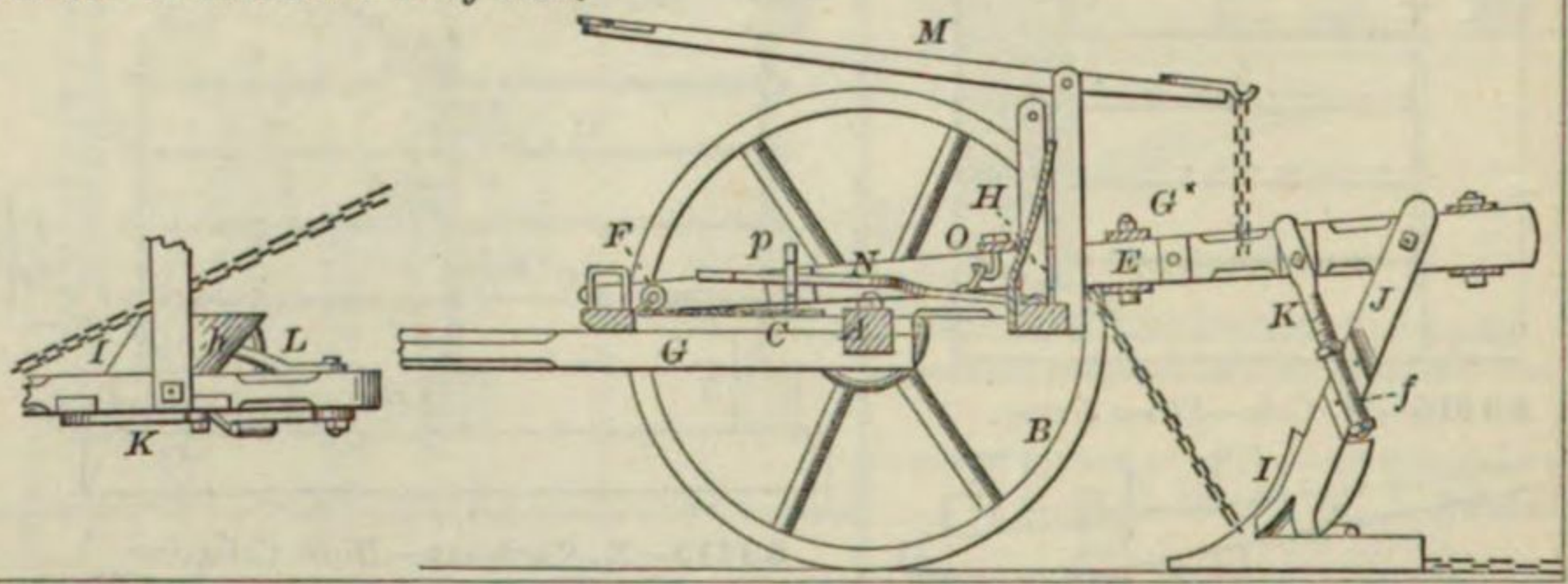
53421—F. W. Dembois—*Boiler for Cooking.*



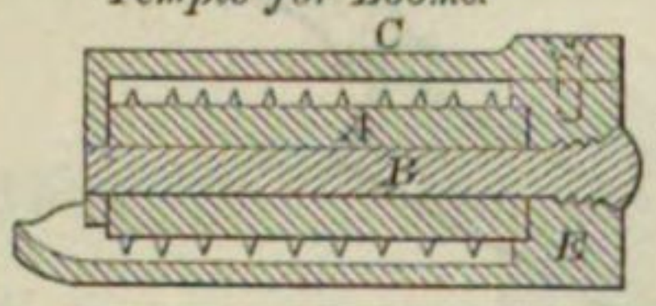
53425—Elder & Baker—*Sheep Shearing Table.*



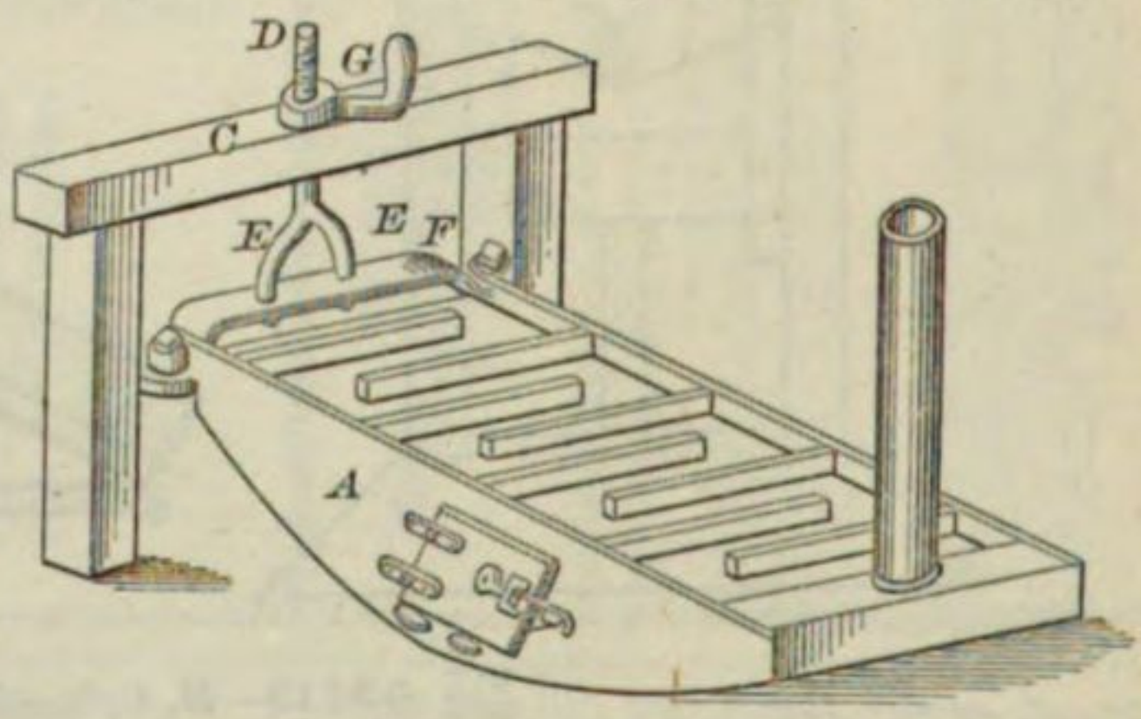
53424—J. H. Eckert—*Gang Plow.*



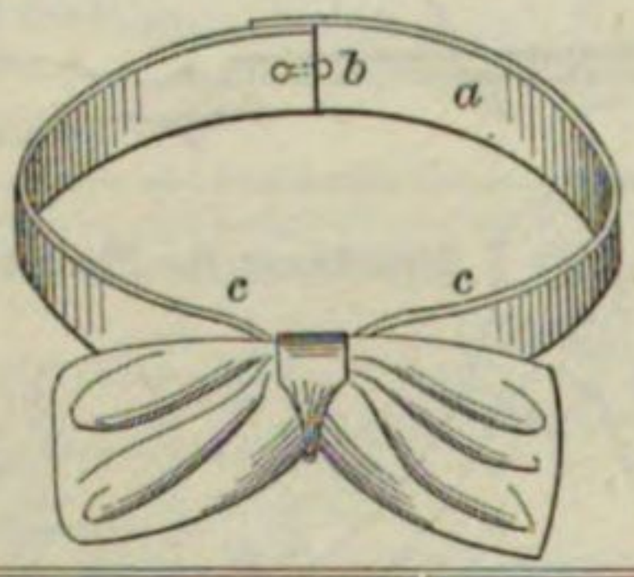
53423—W. W. Dutcher—*Roller Temple for Looms.*



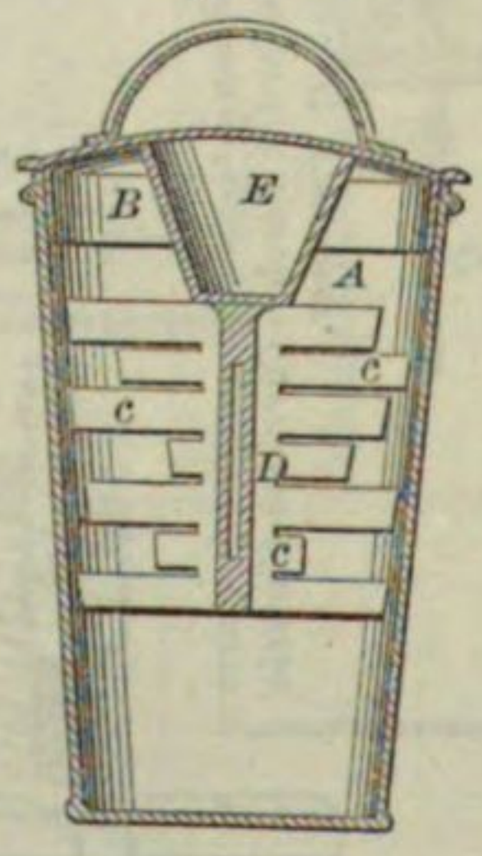
53422—J. A. De Tar—*Adjuster for Evaporator.*



53428—O. Ernst—*Cravat.*

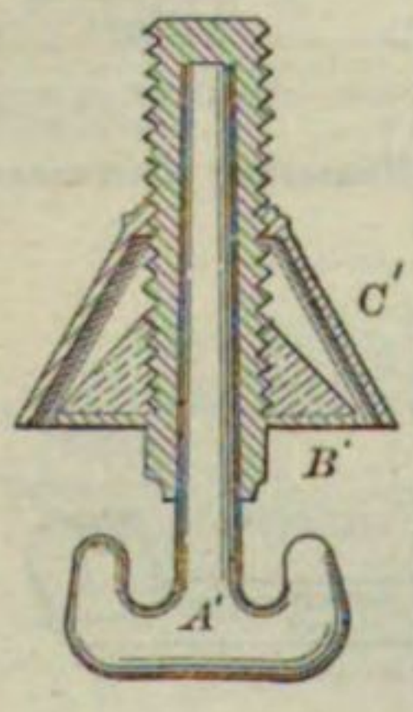


53429—
—H. D. & J. H. Felthouse—
Egg Beater.

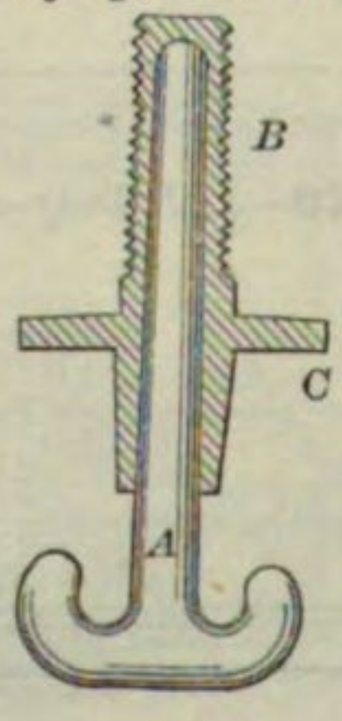


53430—S. T. Field—*Telegraph Cable.*

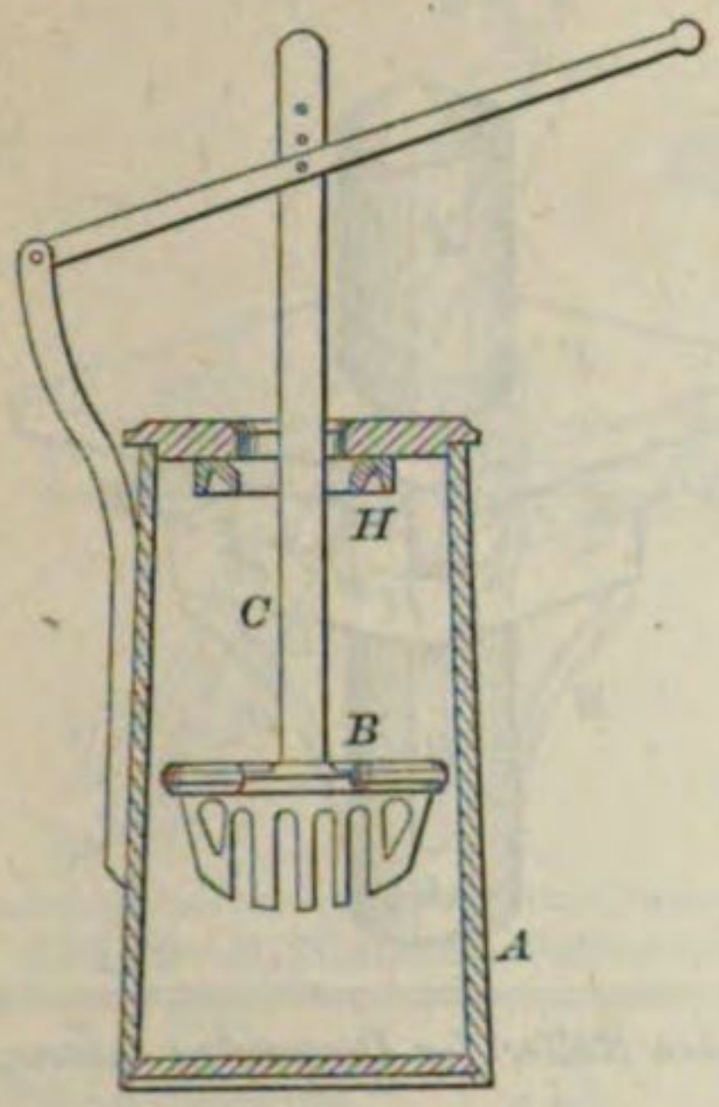
53426—A. B. Ely—
Telegraph Insulator.



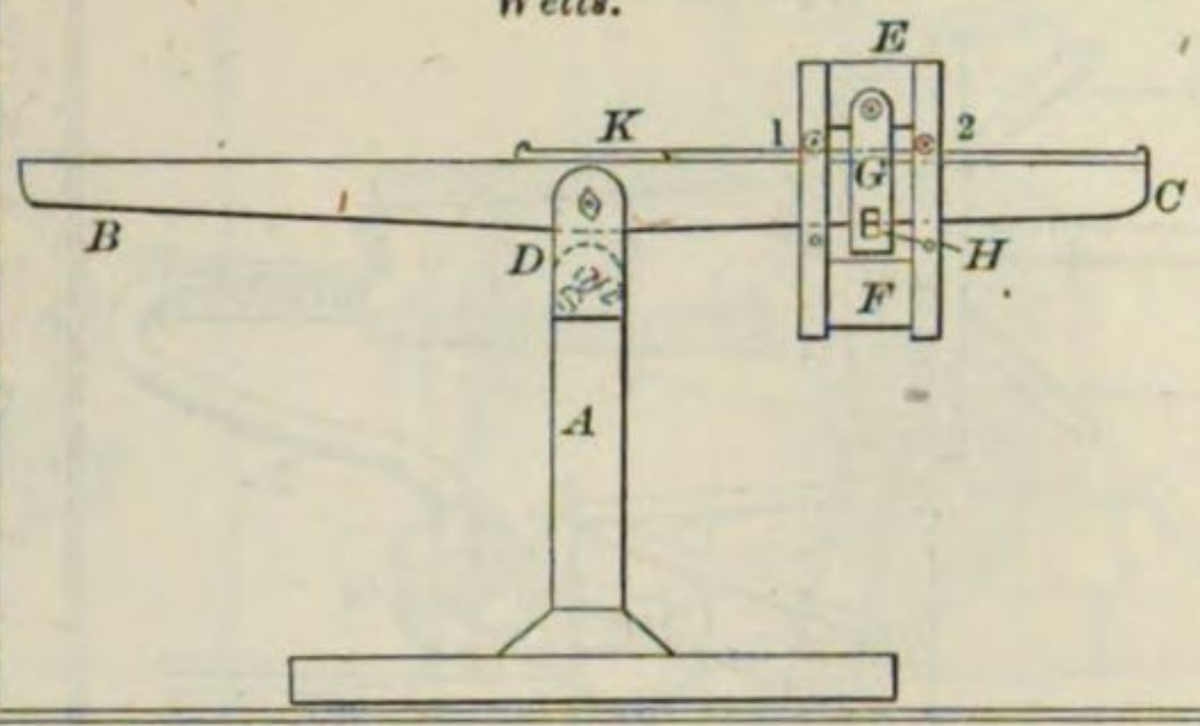
53427—A. B. Ely—
Telegraph Insulator.



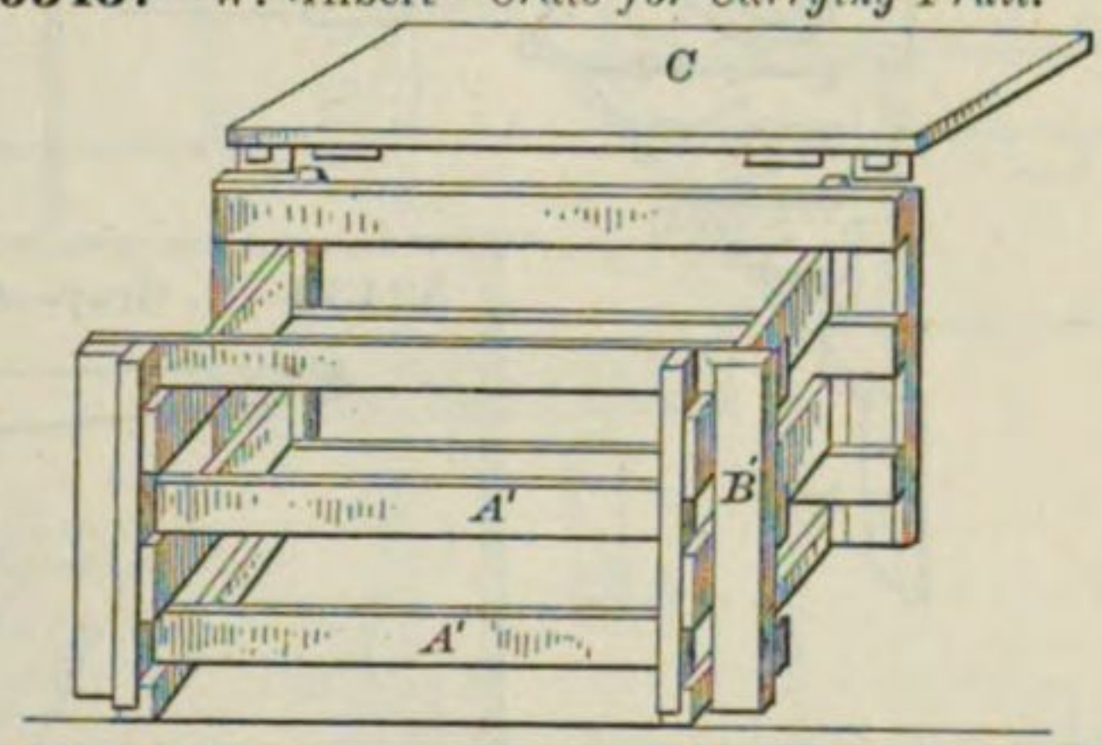
53432—D. A. Fiske—*Churn.*



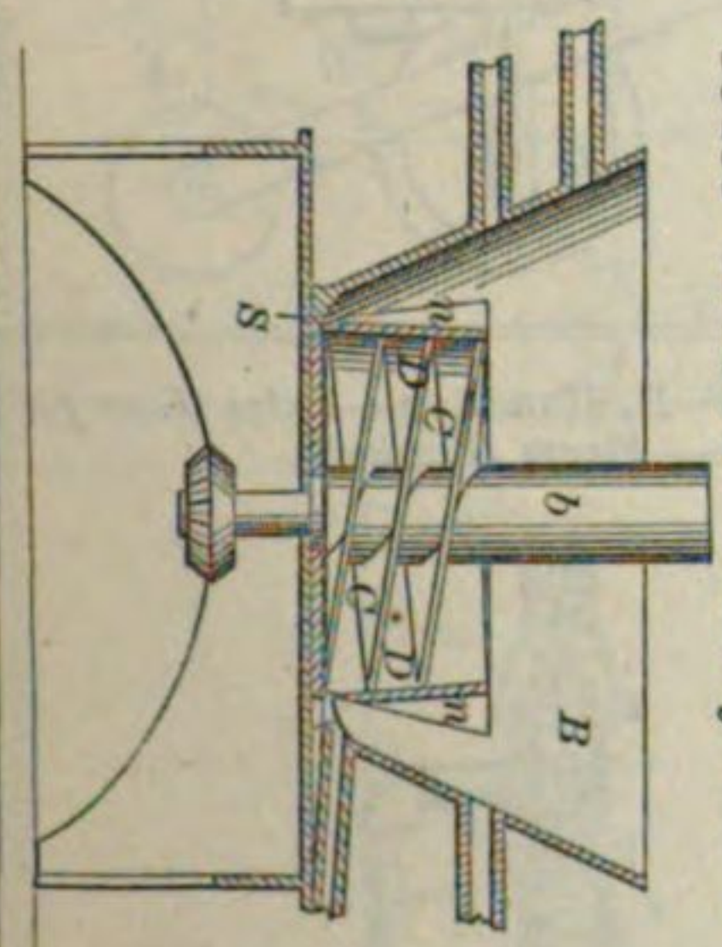
53434—Frazier & Wickes—*Balanced Beam for Boring Wells.*



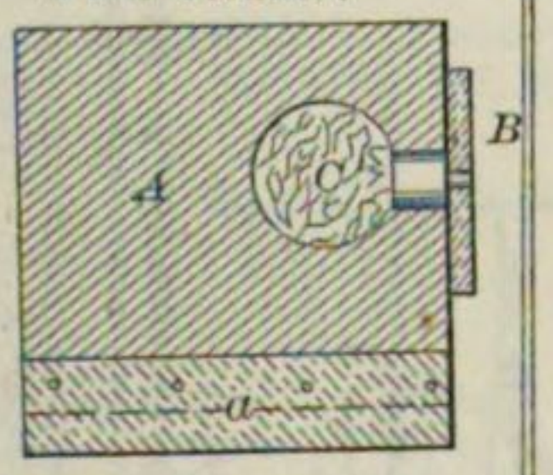
53437—W. Gilbert—*Crate for Carrying Fruit.*



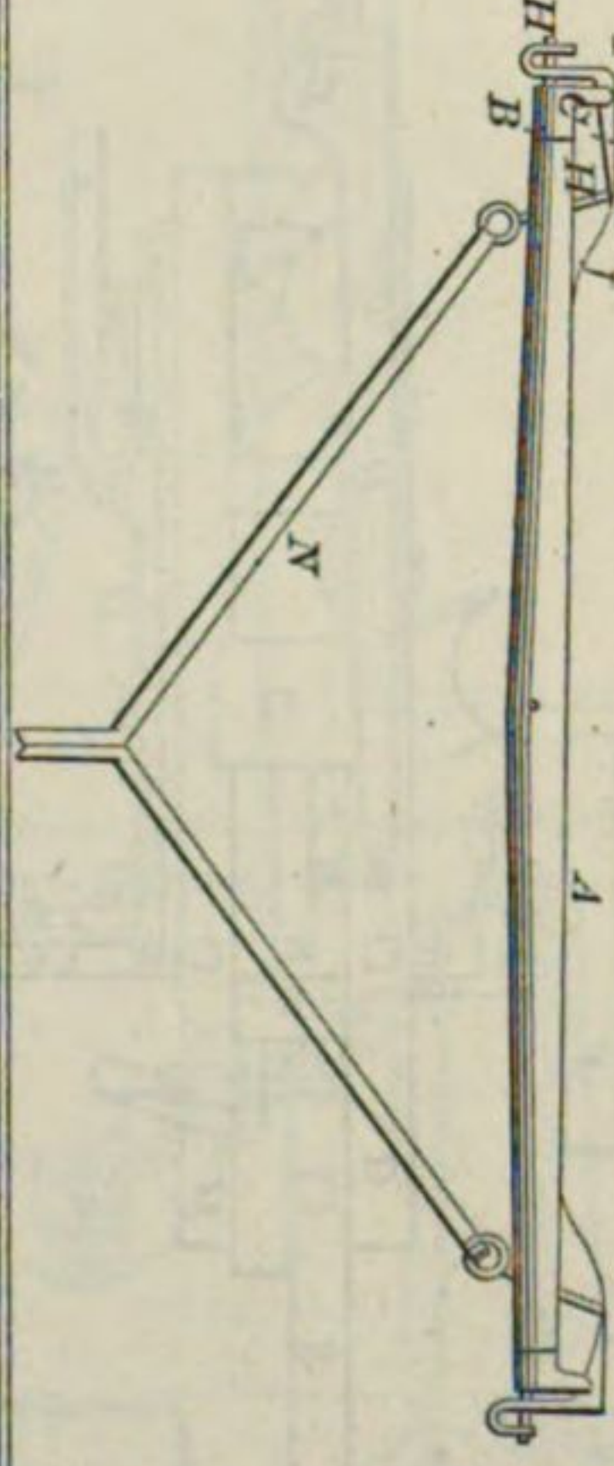
53435—H. A. Gaston—*Amalgamator.*



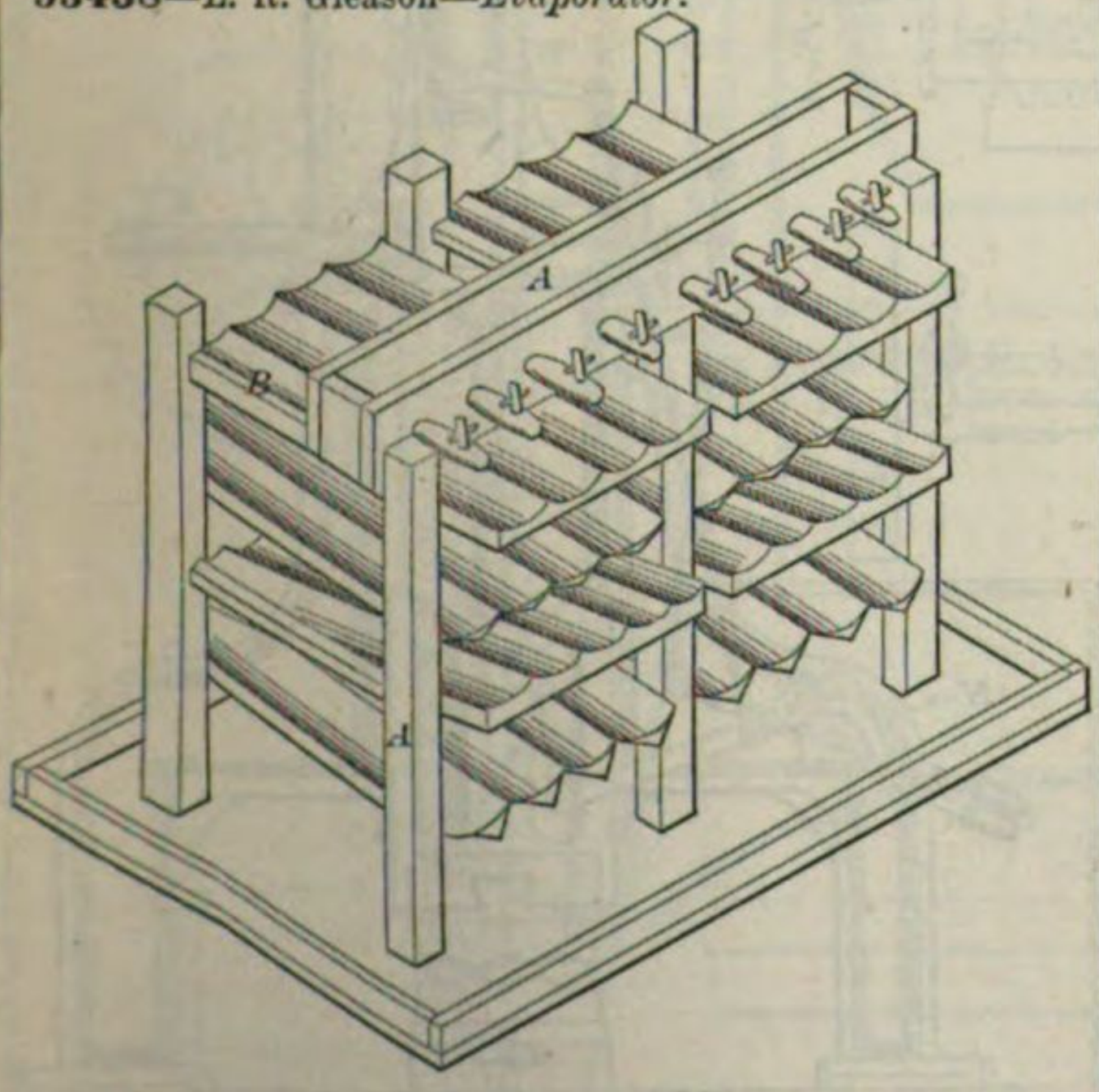
53433—N. W. Foye—*Scraper and Knife and Fork Cleaner.*



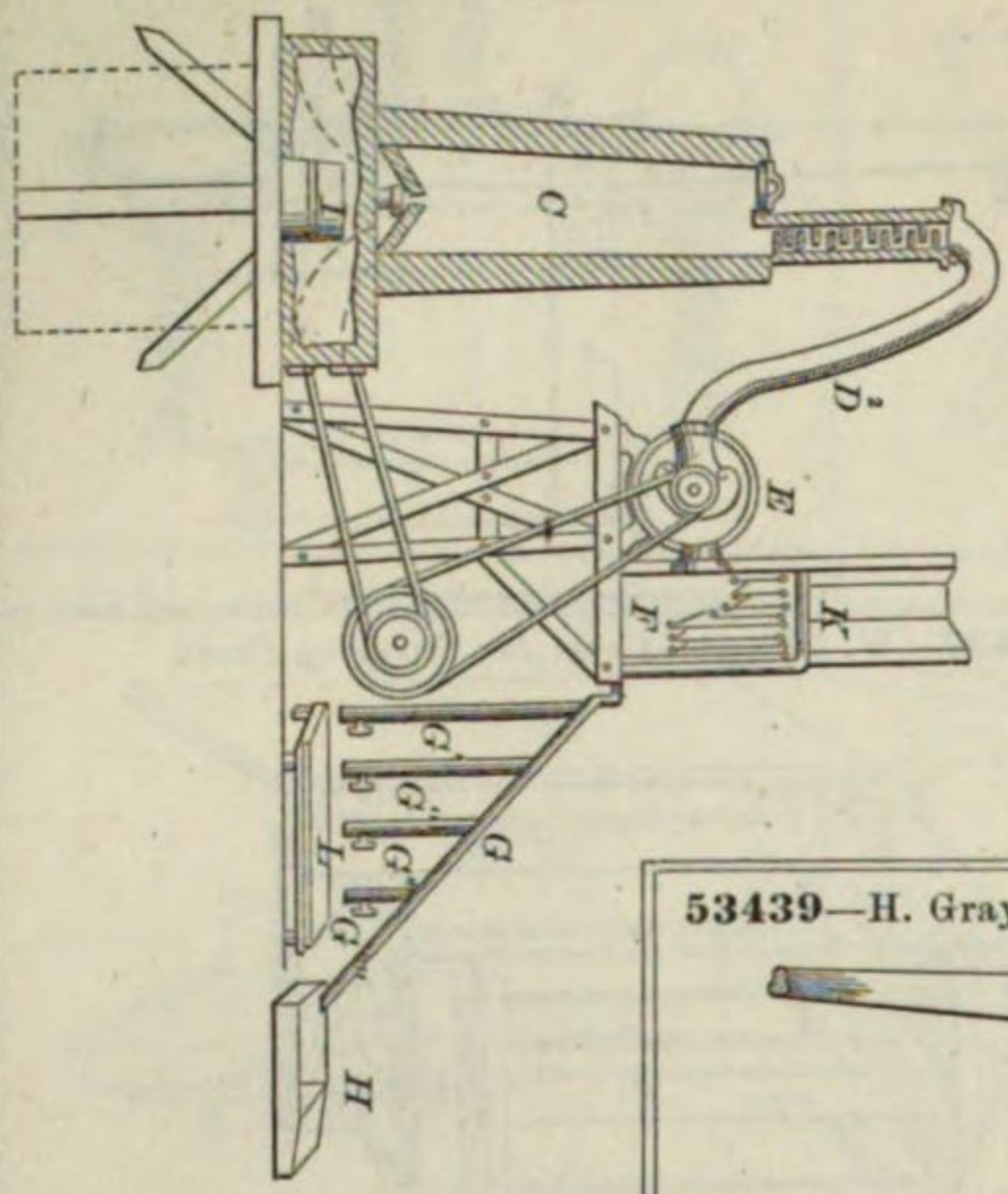
53436—Gibson & Newcomb—*Whiffletree.*



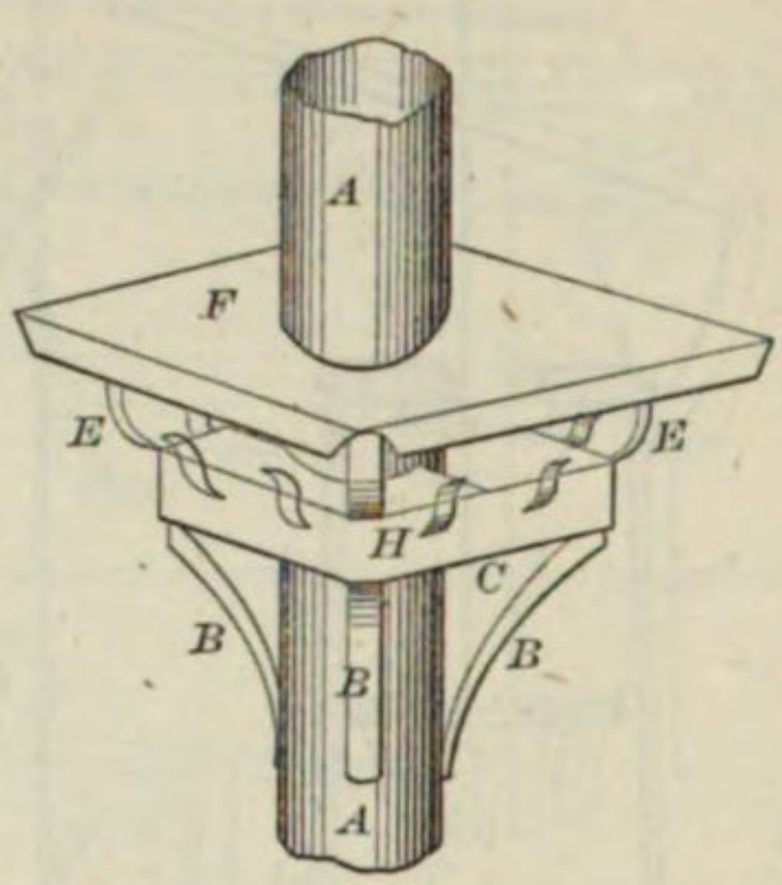
53438—L. R. Gleason—*Evaporator.*



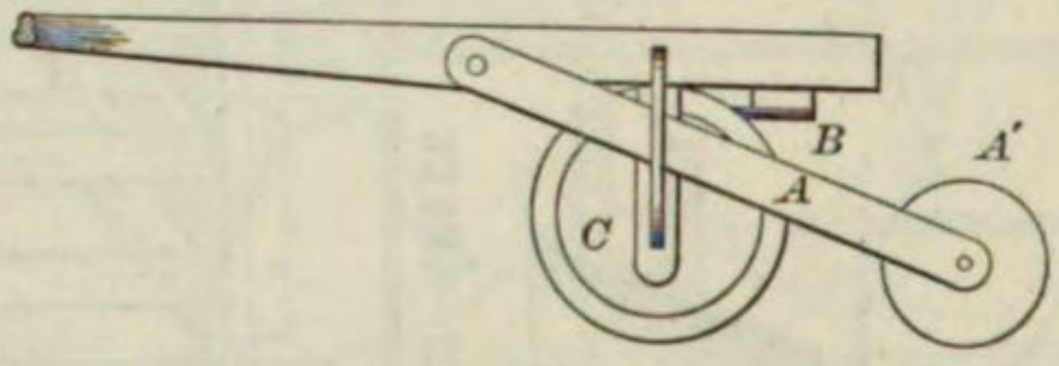
53440—A. E. Griffiths—*Furnace for Treating Auriferous Ores.*



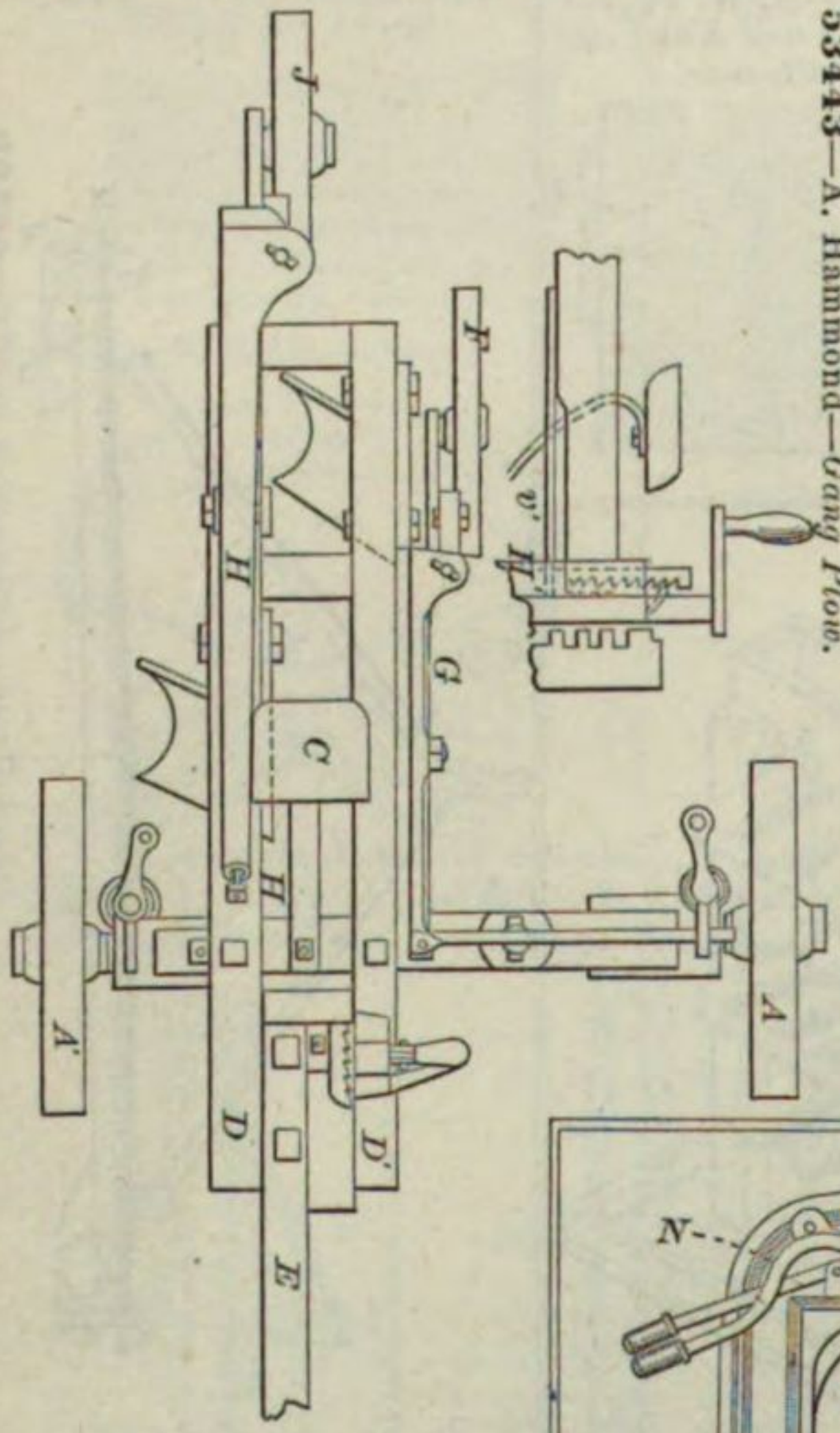
53441—J. Gulliford—*Rack and Store Shelf.*



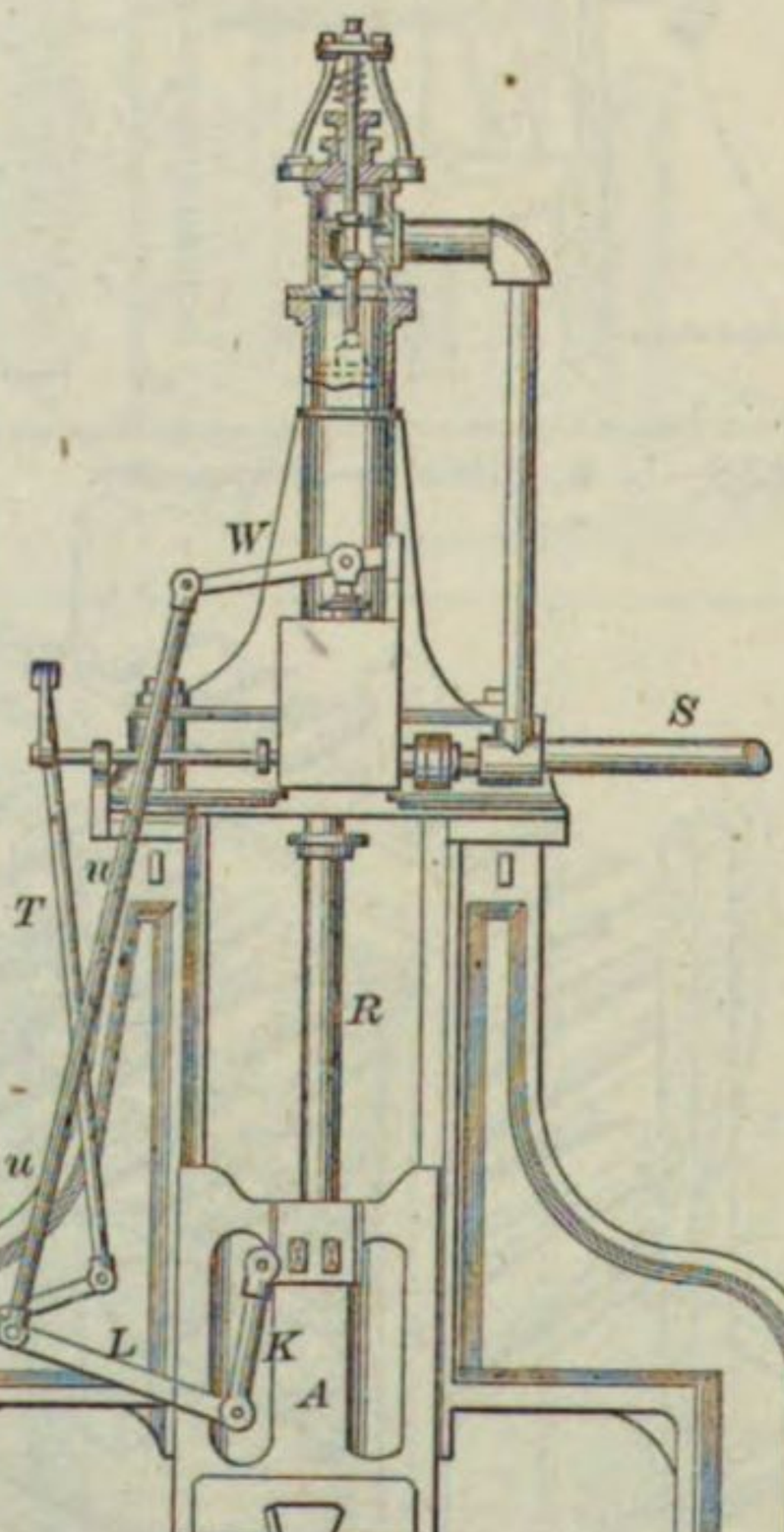
53439—H. Gray—*Garden Roller for Destroying Insects.*



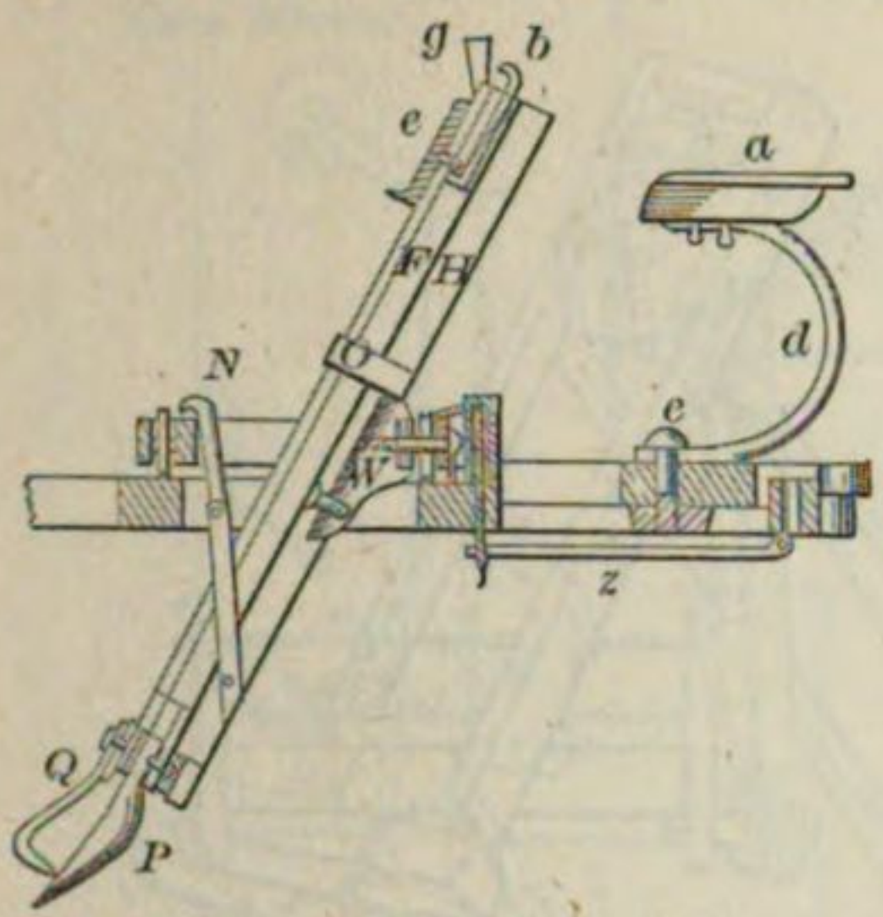
53443—A. Hammond—*Gang Plow.*



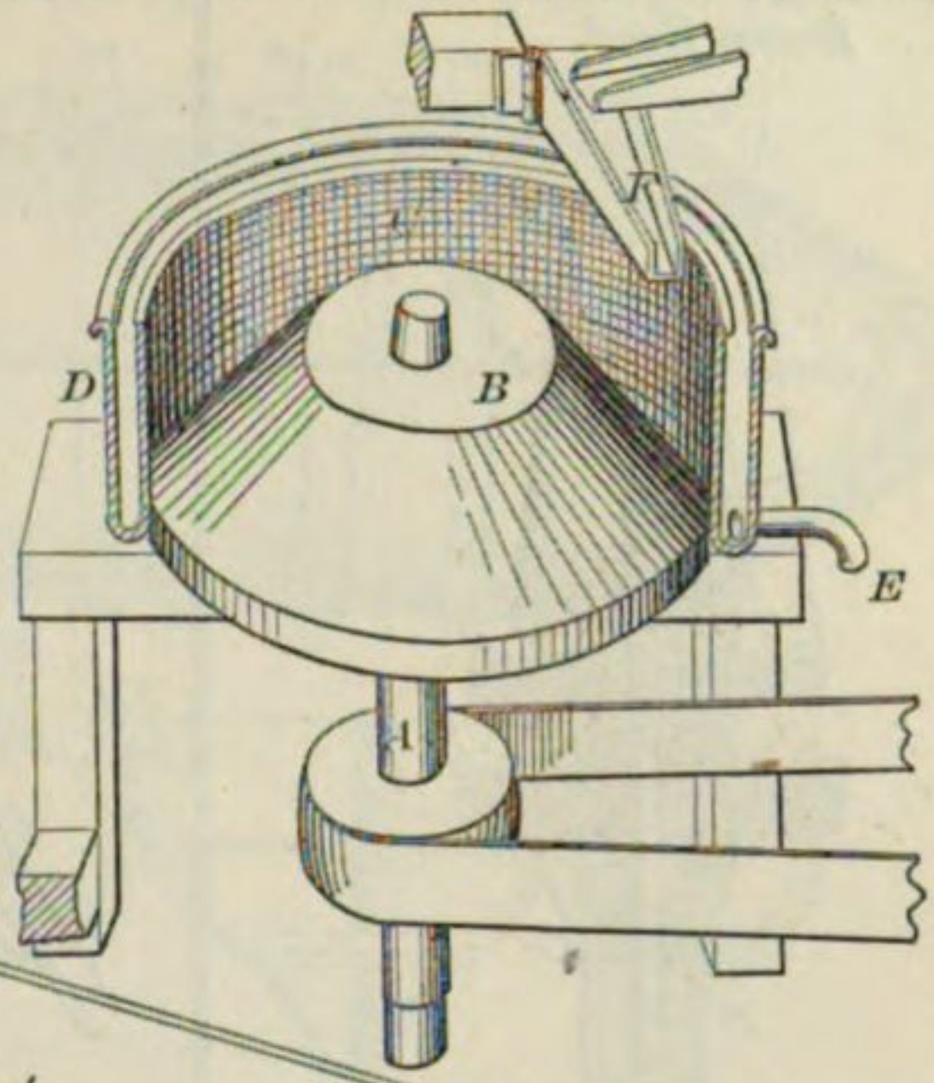
53442—H. Hamilton—*Valve Gear for Steam Hammers.*



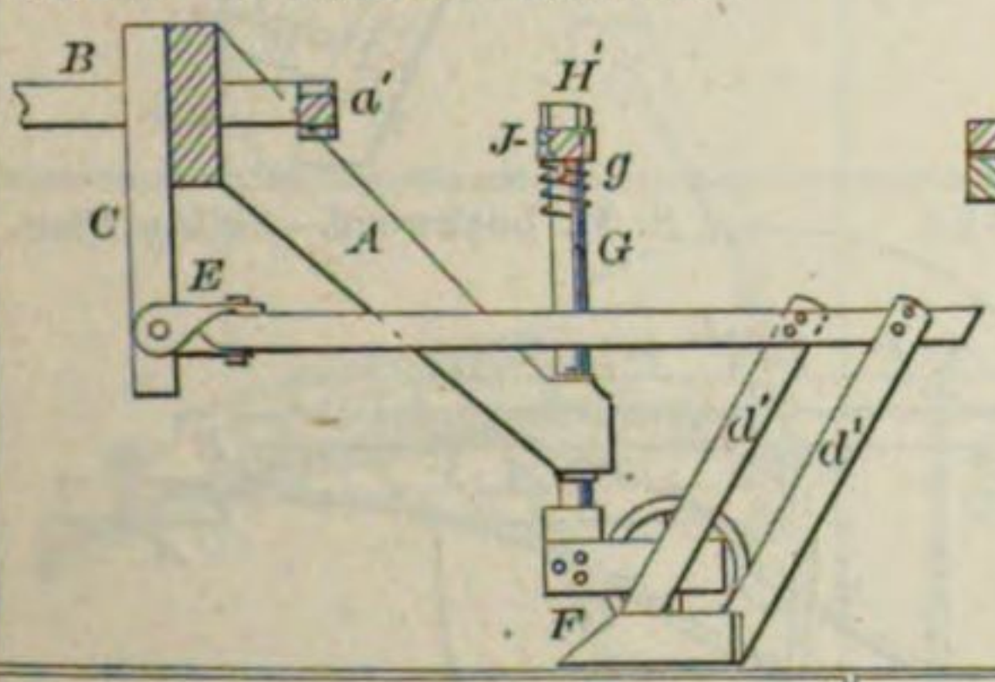
53445—P. Hildreth—*Cultivator.*

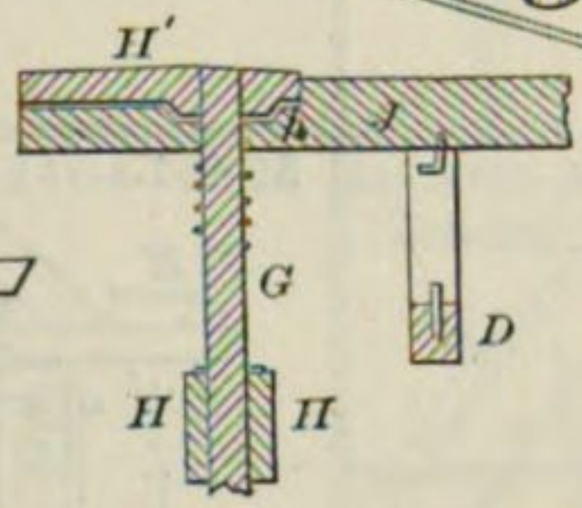


53448—H. Hunt—*Centrifugal Machine.*

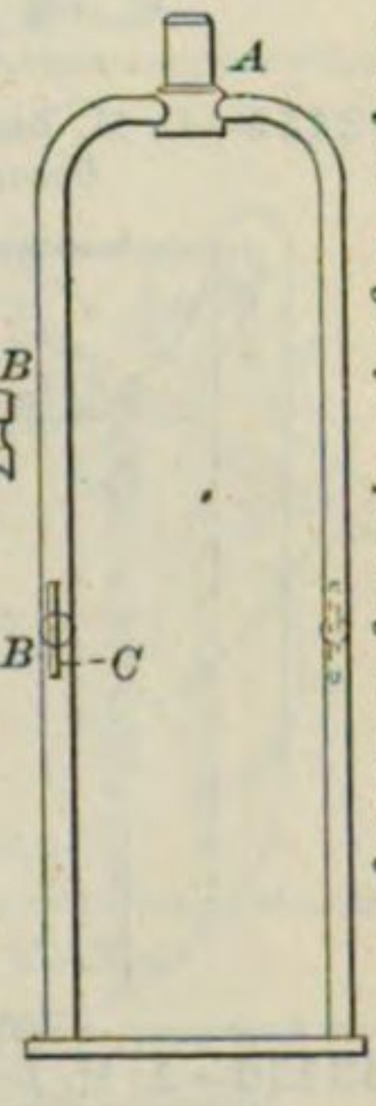


53446—C. Holman—*Cultivator.*

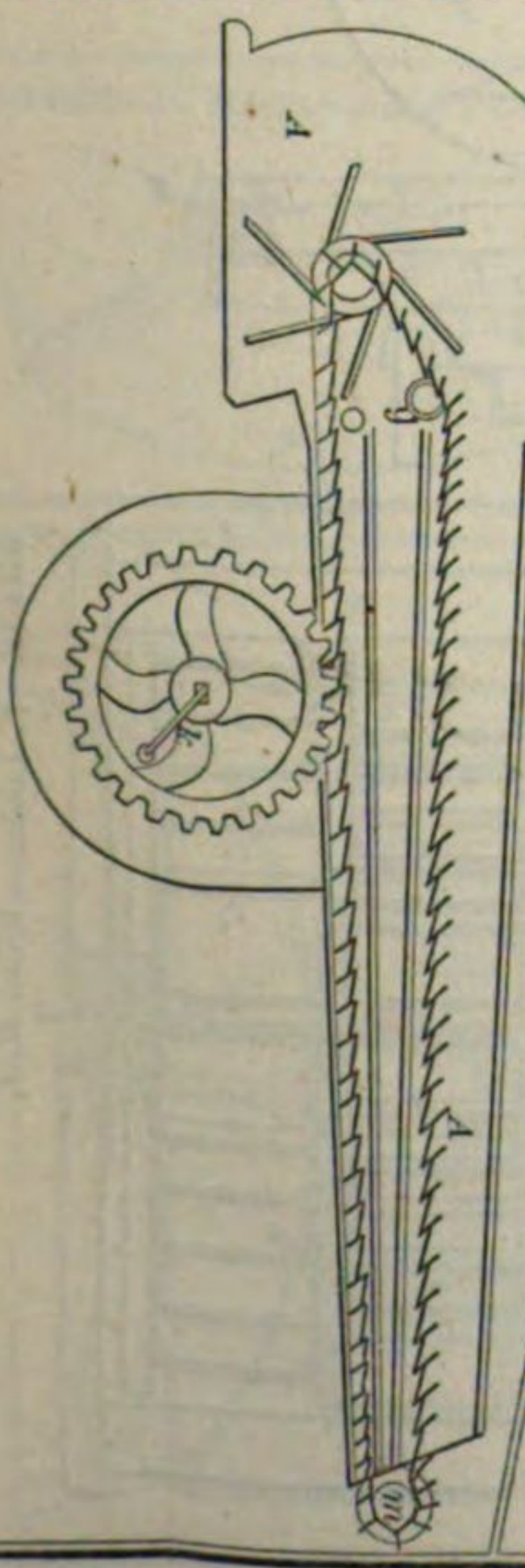




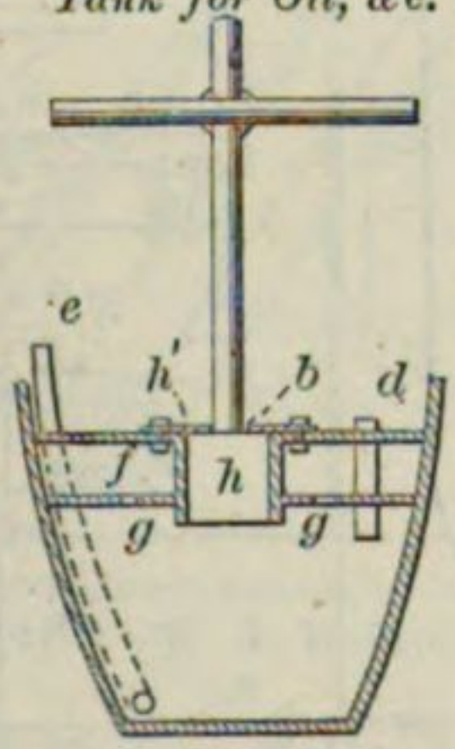
53449—C. Hyde—*Flyer for Spinning Machinery.*



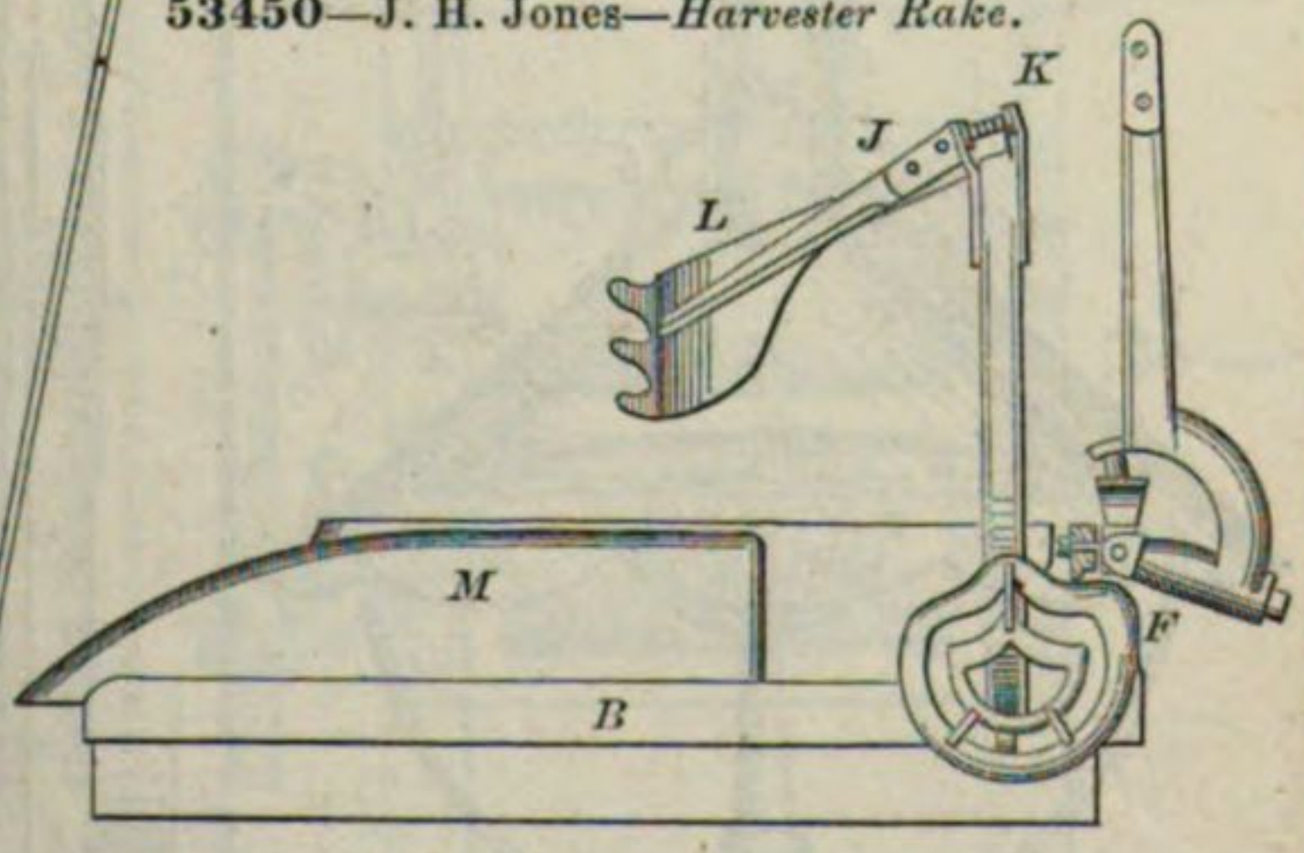
53447—G. A. Howe—*Cotton Picker.*



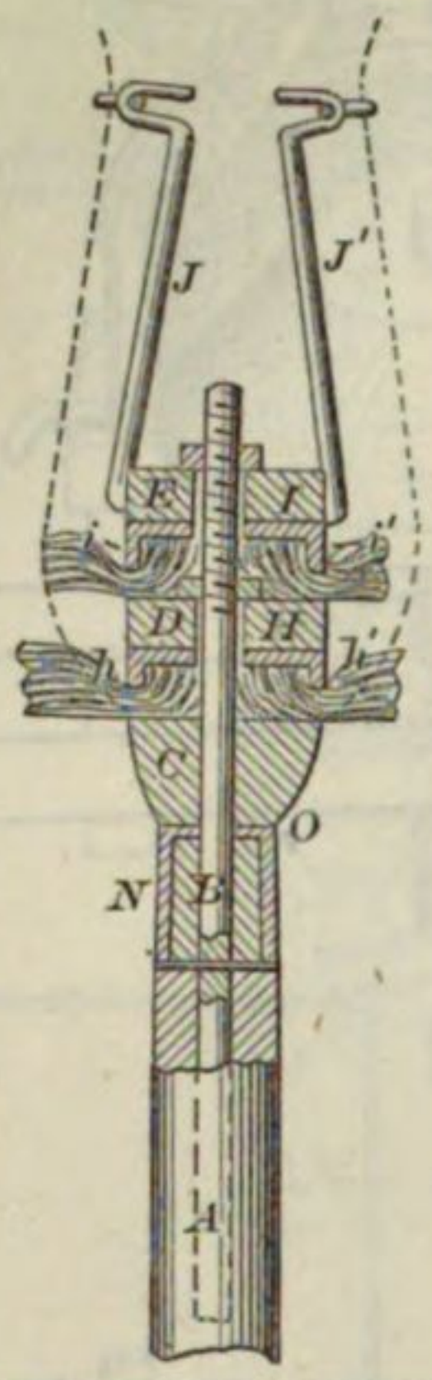
53451—J. F. Keeler—*Portable Tank for Oil, &c.*



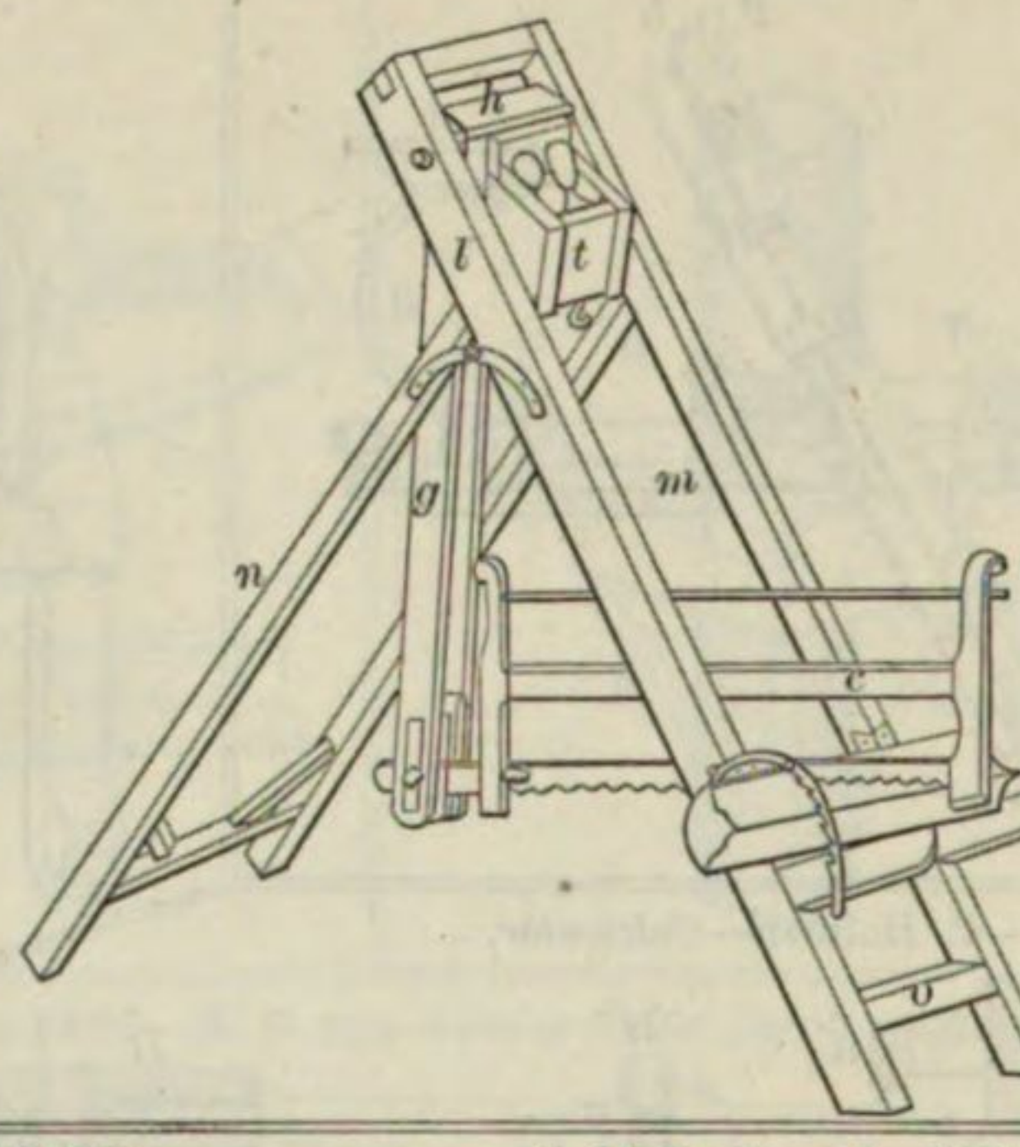
53450—J. H. Jones—*Harvester Rake.*



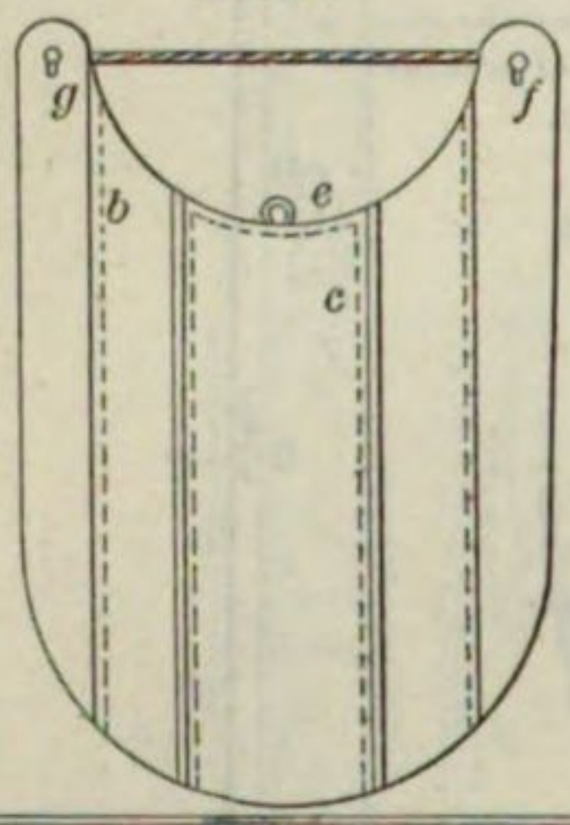
53452—A. B. King—
Broom Head.



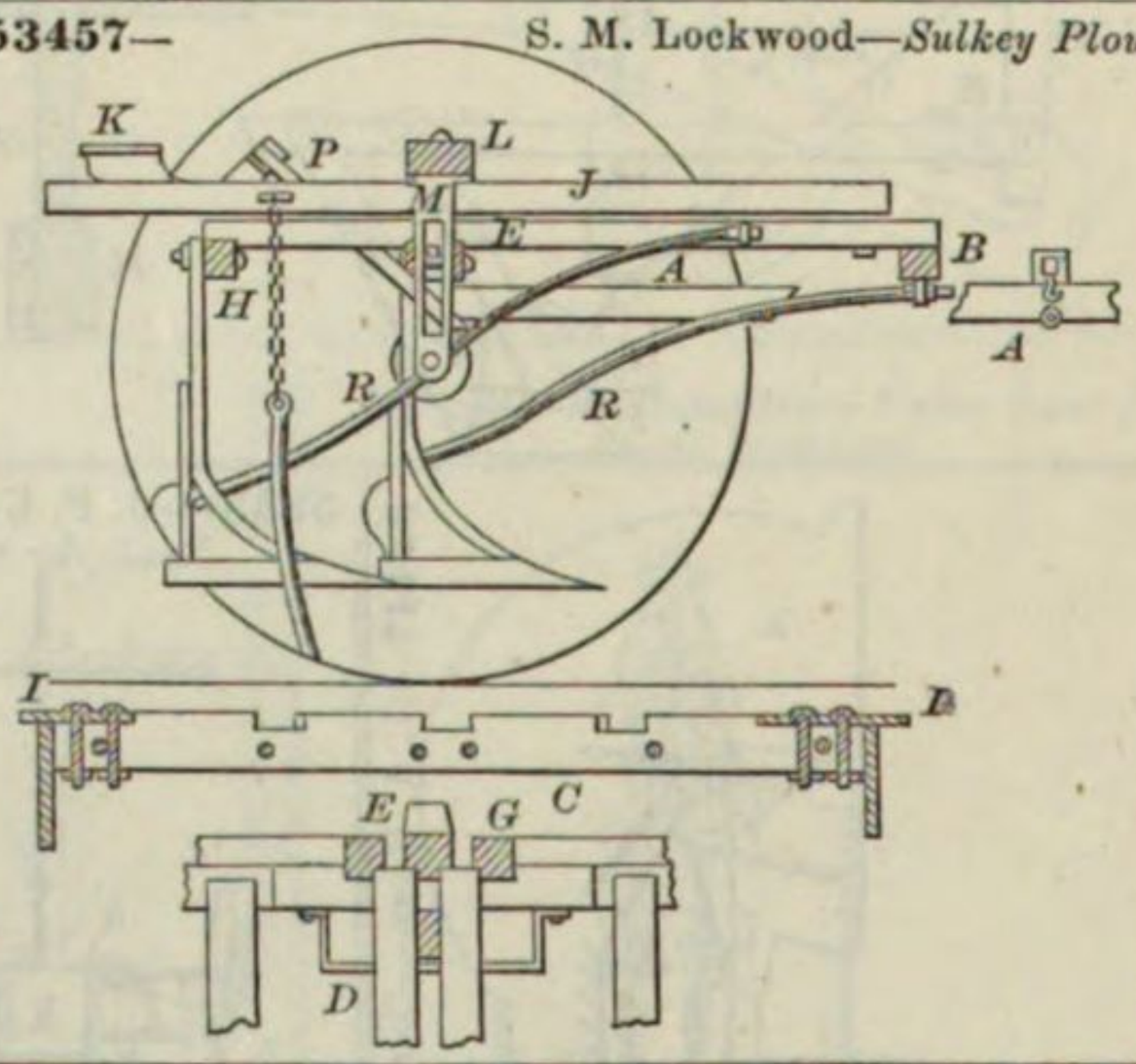
53453—J. Kunz—*Sawing Machine.*



53455—C. M. Lee—*Paper Shirt Bosom.*



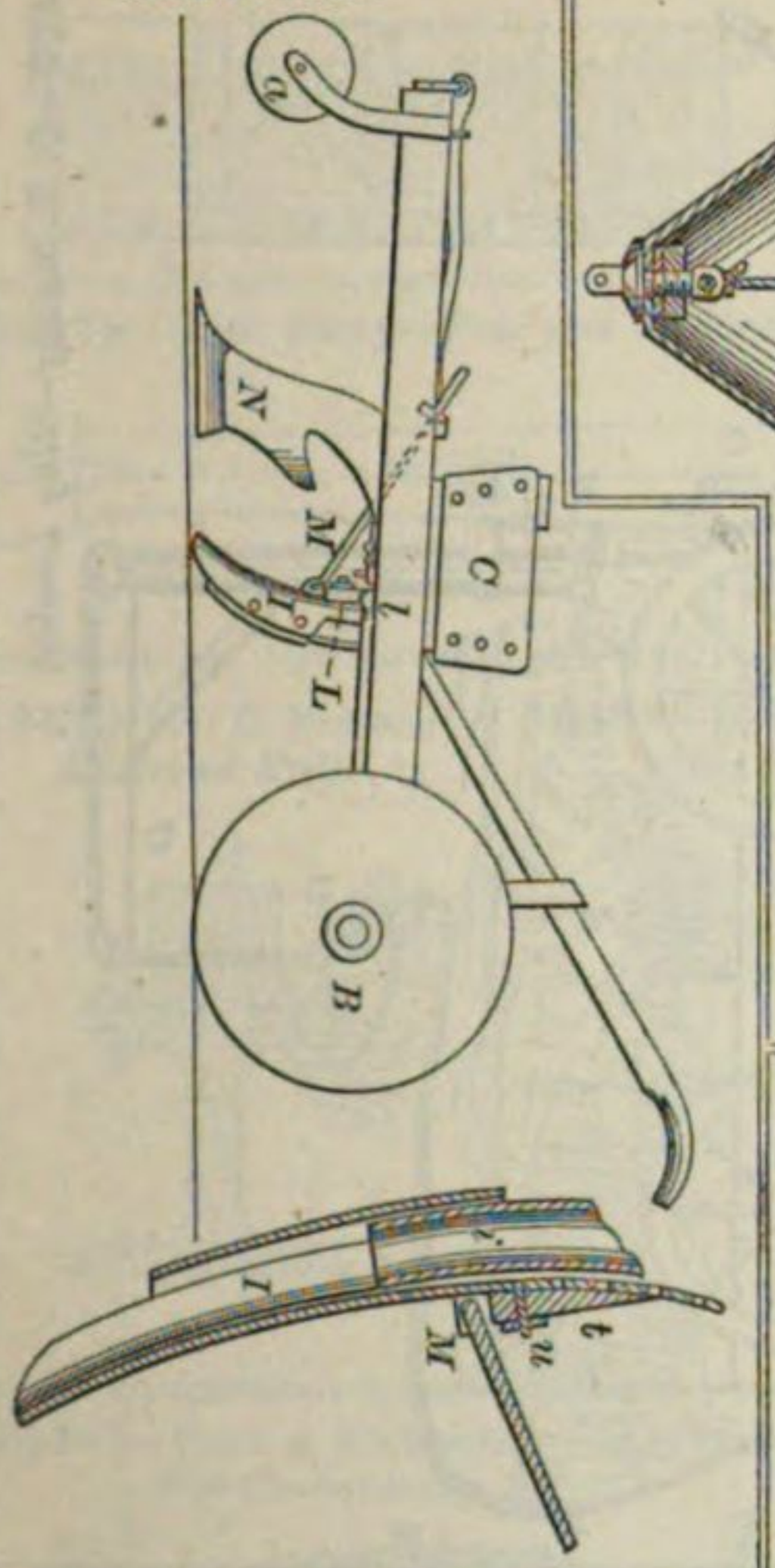
53457—S. M. Lockwood—*Sulkey Plow.*



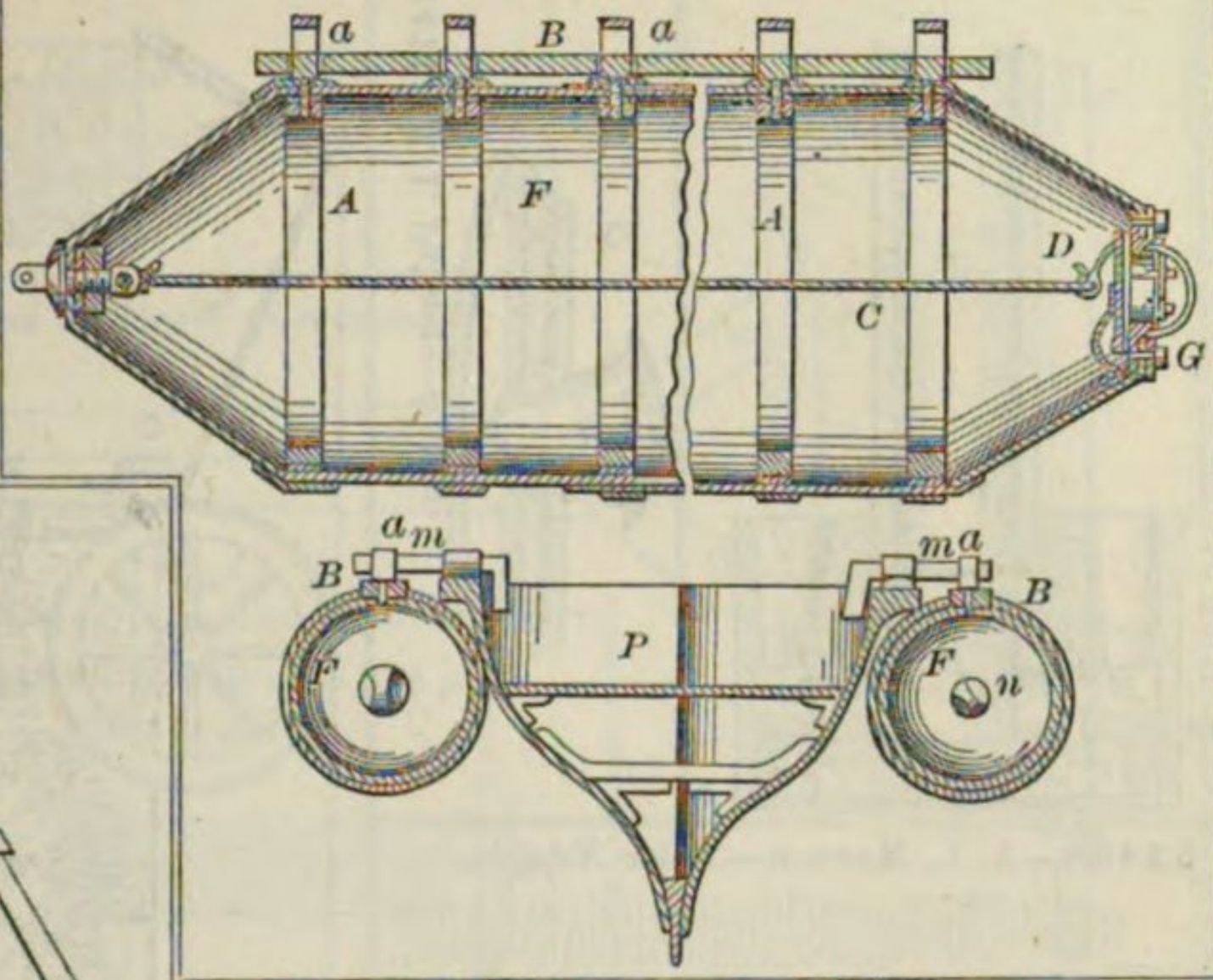
53456—A. H. Lochman—*Shade for Gas Burners.*

53458—P. Löffler—*Wind Mill.*

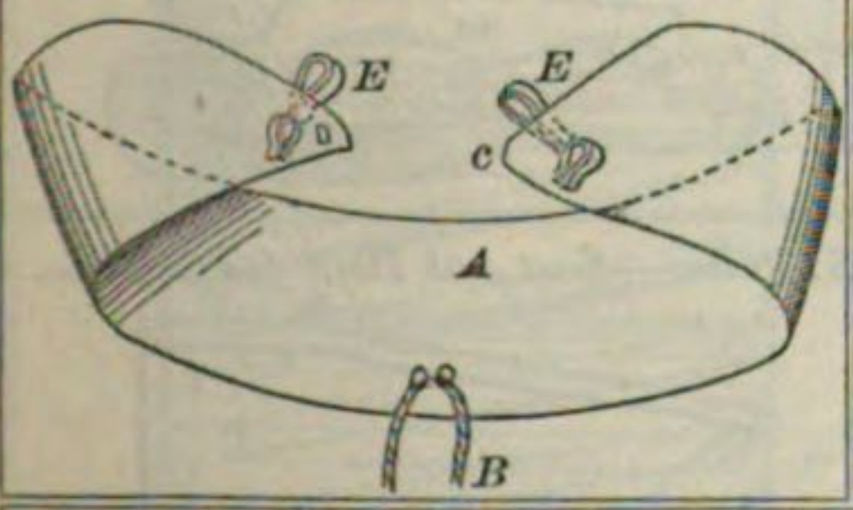
53459—D. & D. F. Luse—*Corn Planter.*



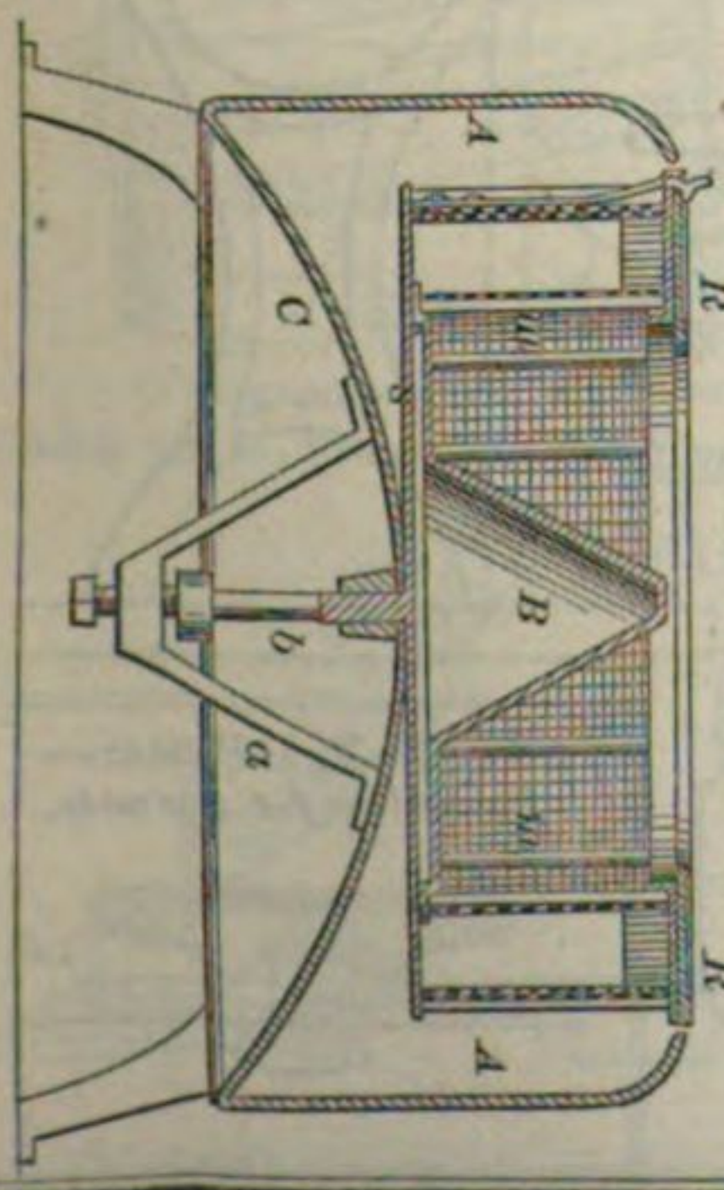
53461—J. Mac Donough—*Collapsible Float for Boats.*



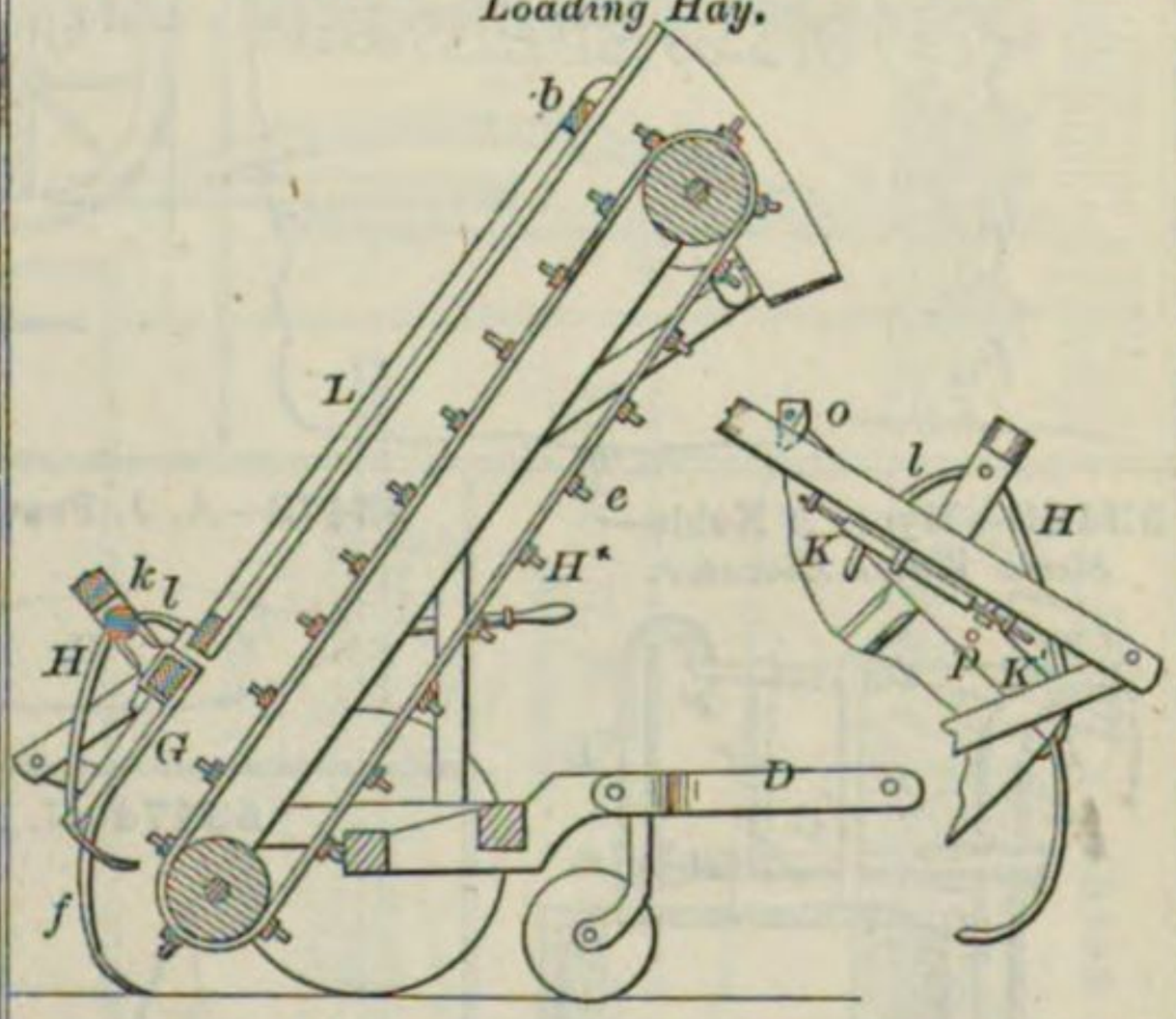
53462—D. Mackay—*Men's Collar.*



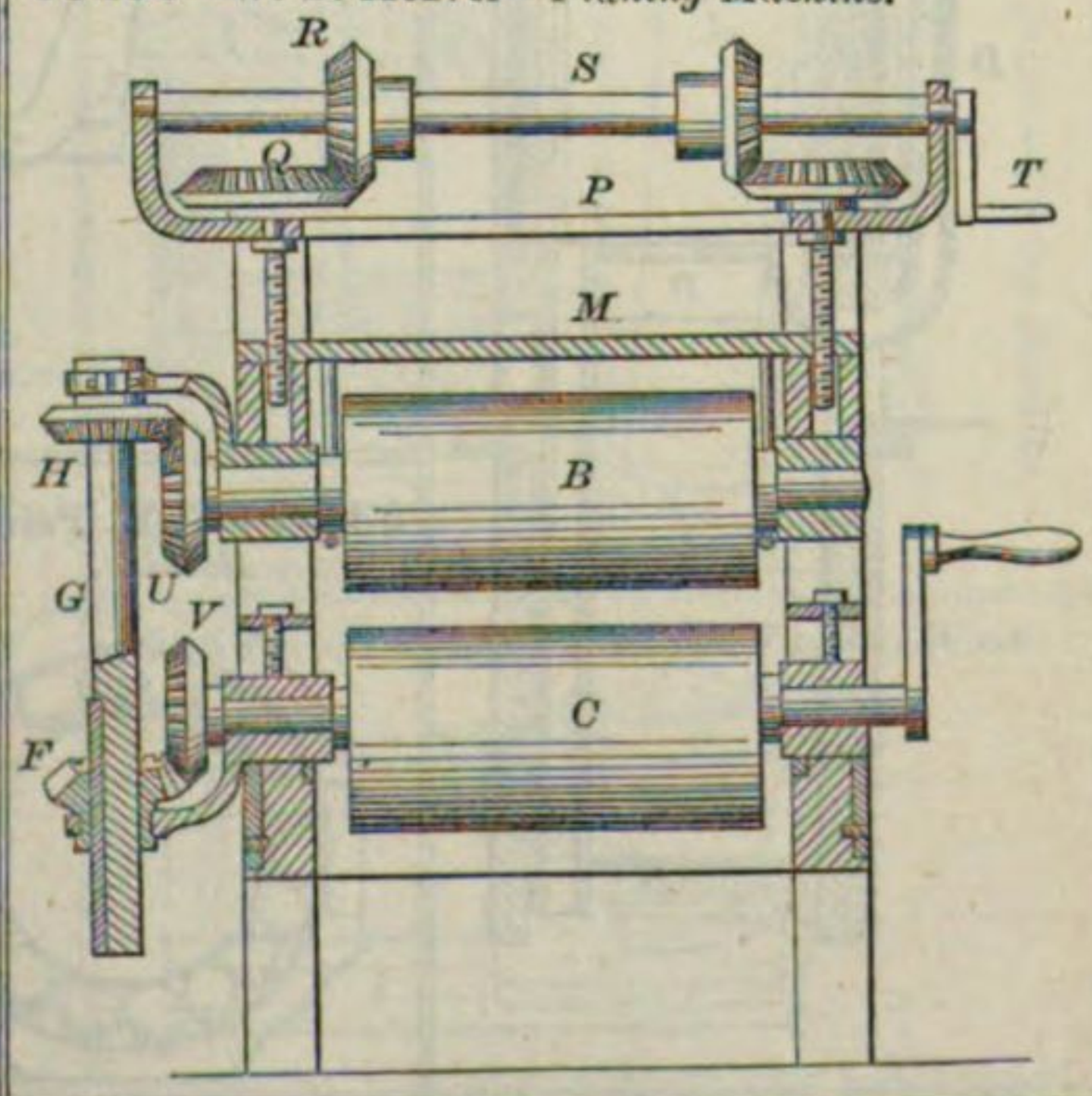
53463—Mackey & Müller—*Centrifugal Machine.*



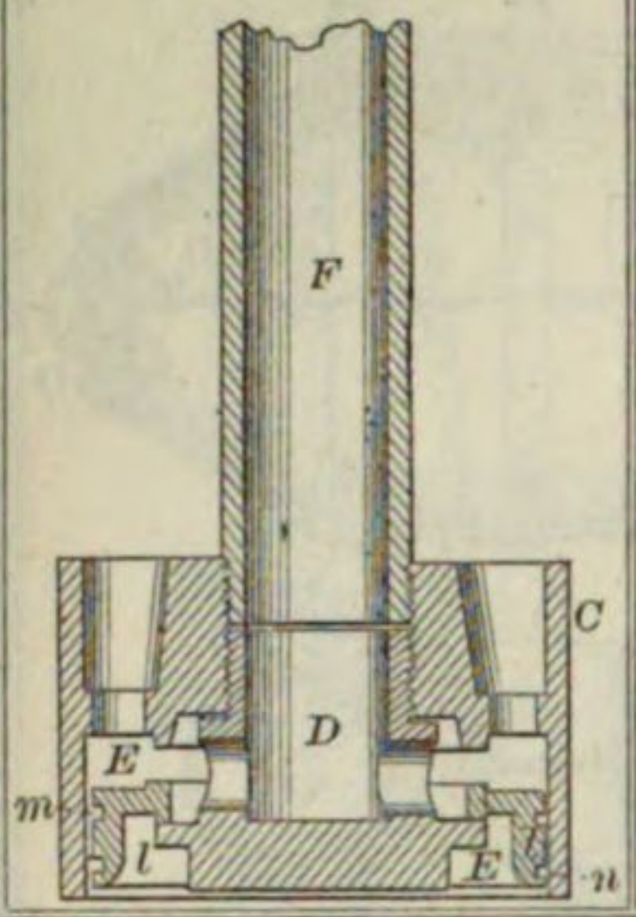
53464—W. D. Mayfield—*Machine for Raking and Loading Hay.*



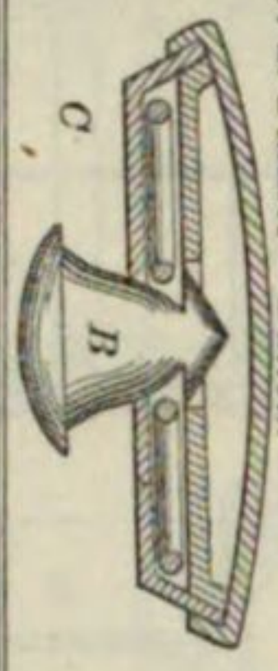
53466—W. B. McIver—*Planing Machine.*



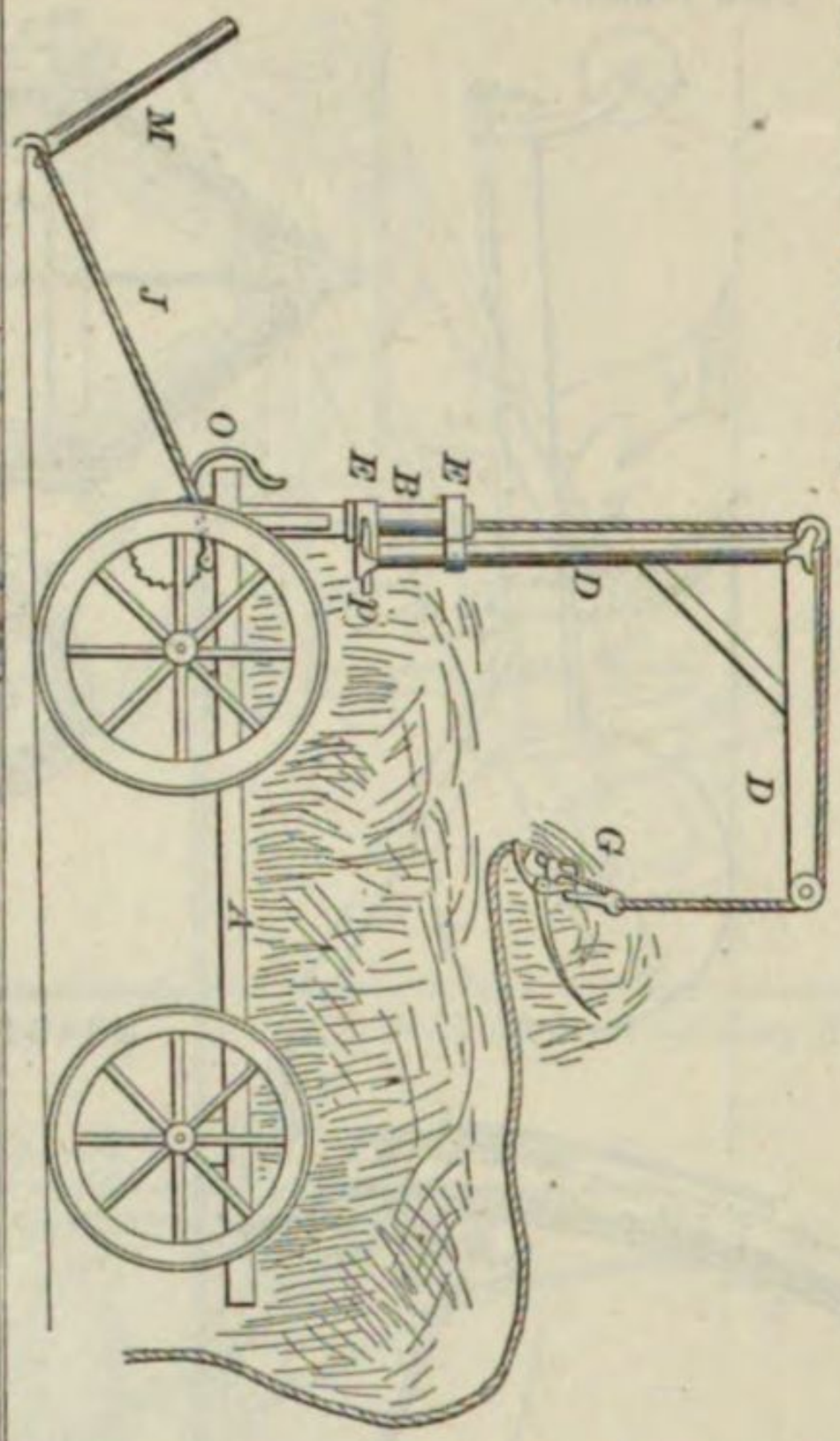
53467—J. Michel—*Pump.*



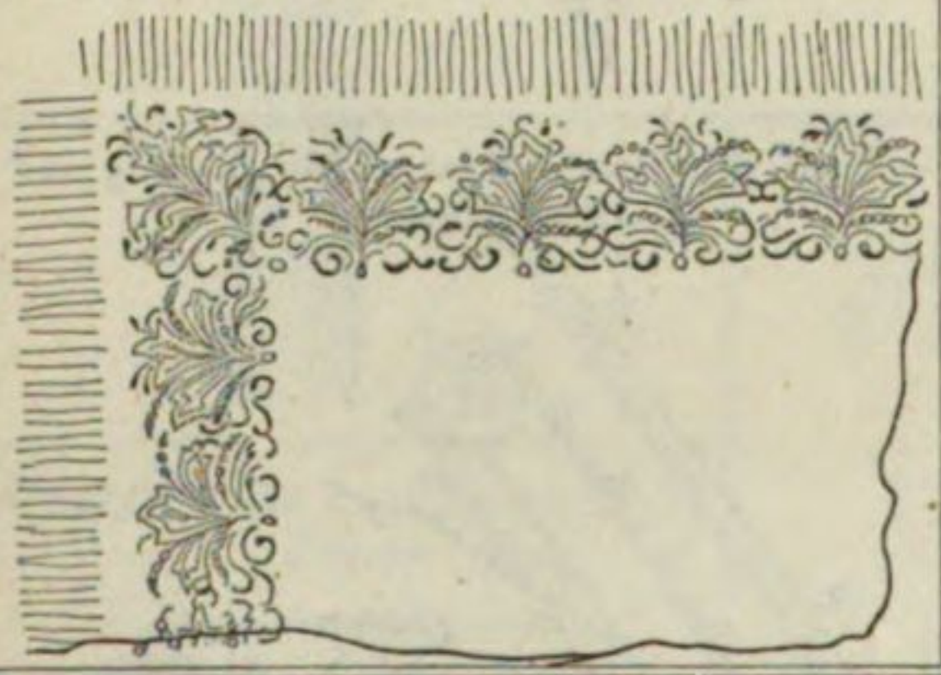
53471—F. I. Palmer—*Button.*



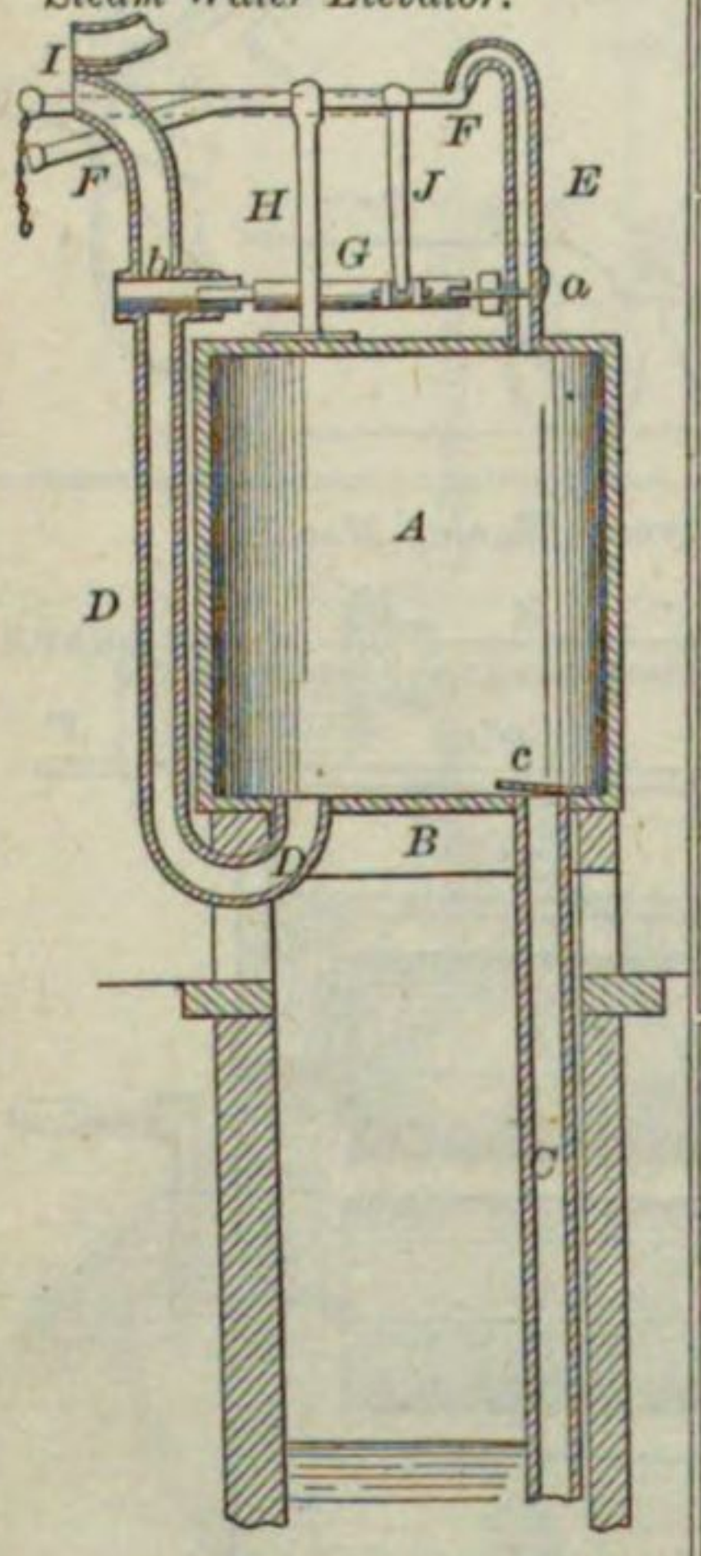
53470—O. T. Manny—*Hay Loader.*



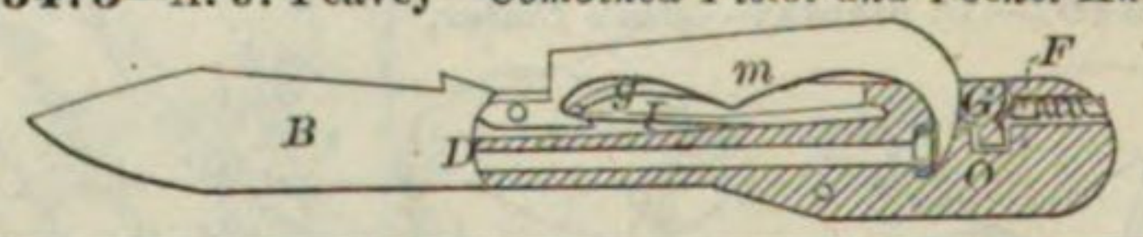
53468—A. L. Munson—*Table Napkin.*



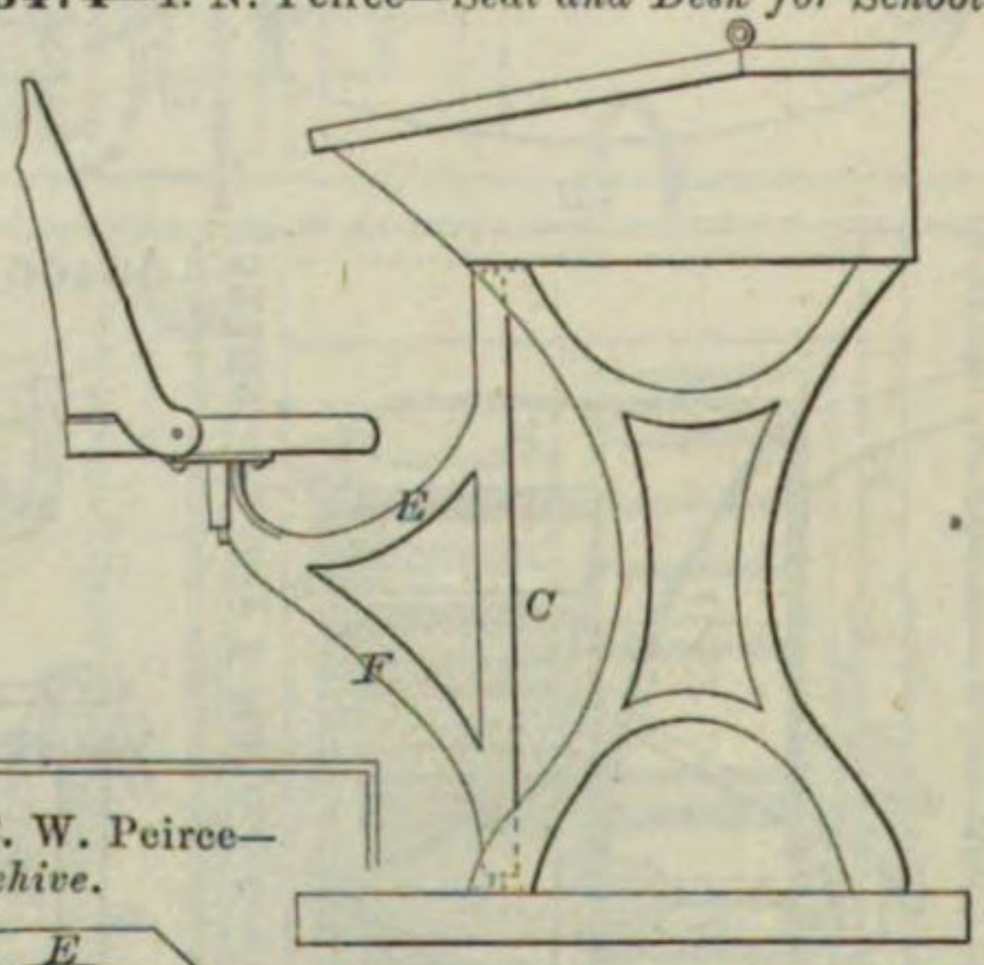
53469—Myers & Noble—
Steam Water Elevator.



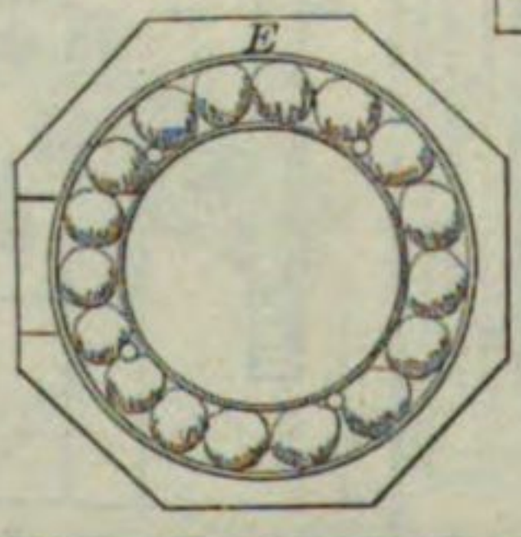
53473—A. J. Peavey—*Combined Pistol and Pocket Knife.*



53474—I. N. Peirce—*Seat and Desk for Schools.*

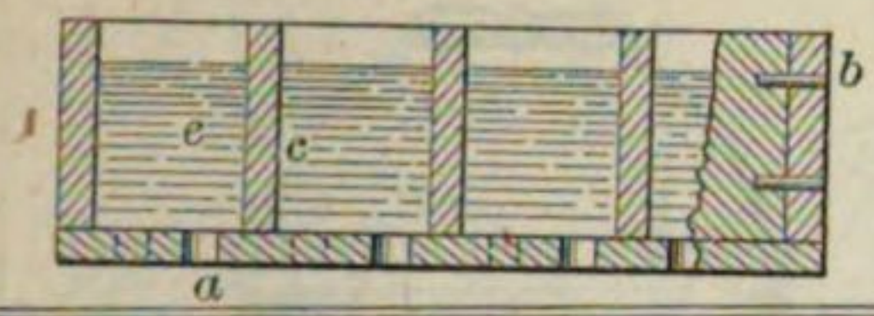


53475—T. W. Peirce—
Beehive.

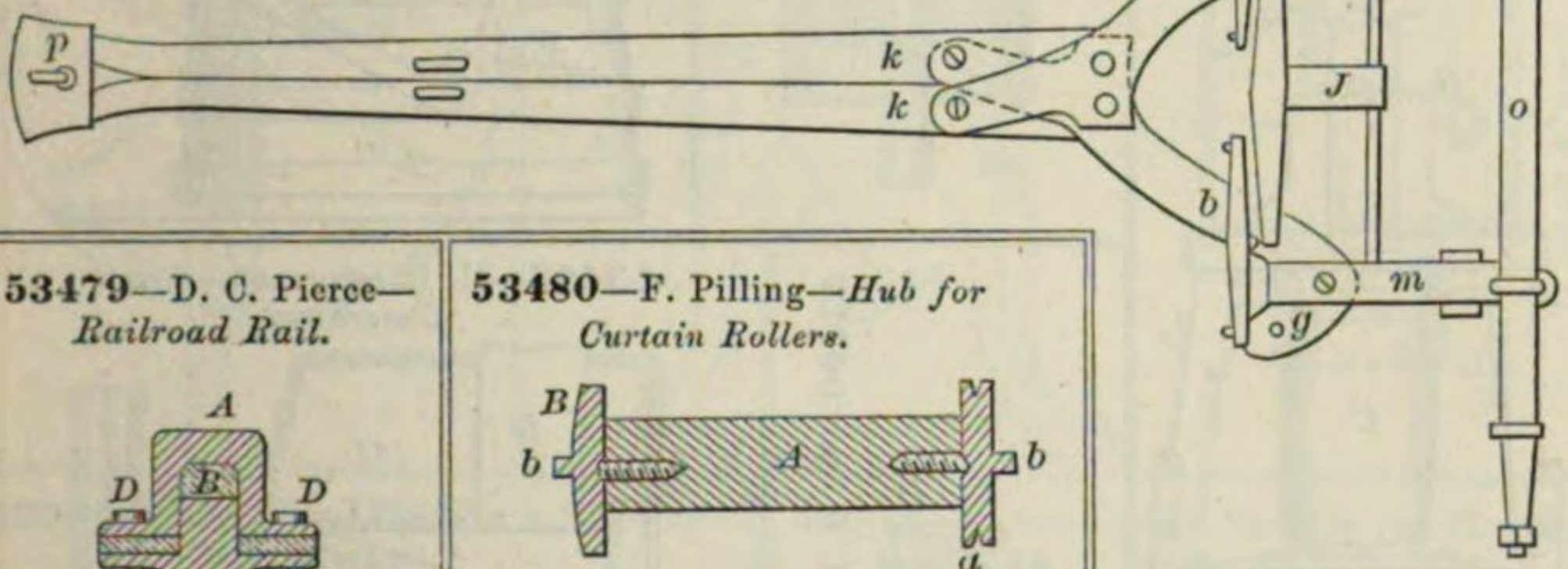


53472—F. I. Palmer—
Fastening for Garmets.

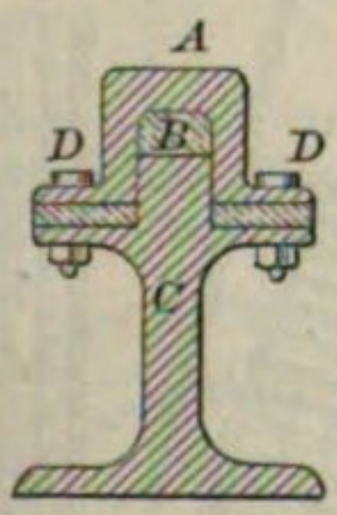
53477—F. L. Perry—*Box for Propagating Plants.*



53478—J. G. Perry—*Pole and Thills for Carriages.*

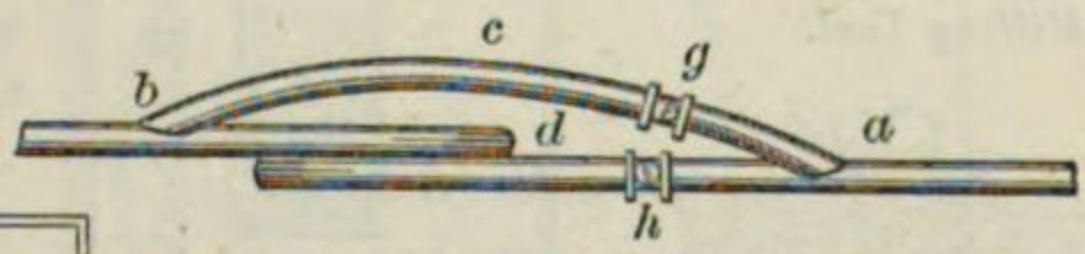


53479—D. C. Pierce—*Railroad Rail.*

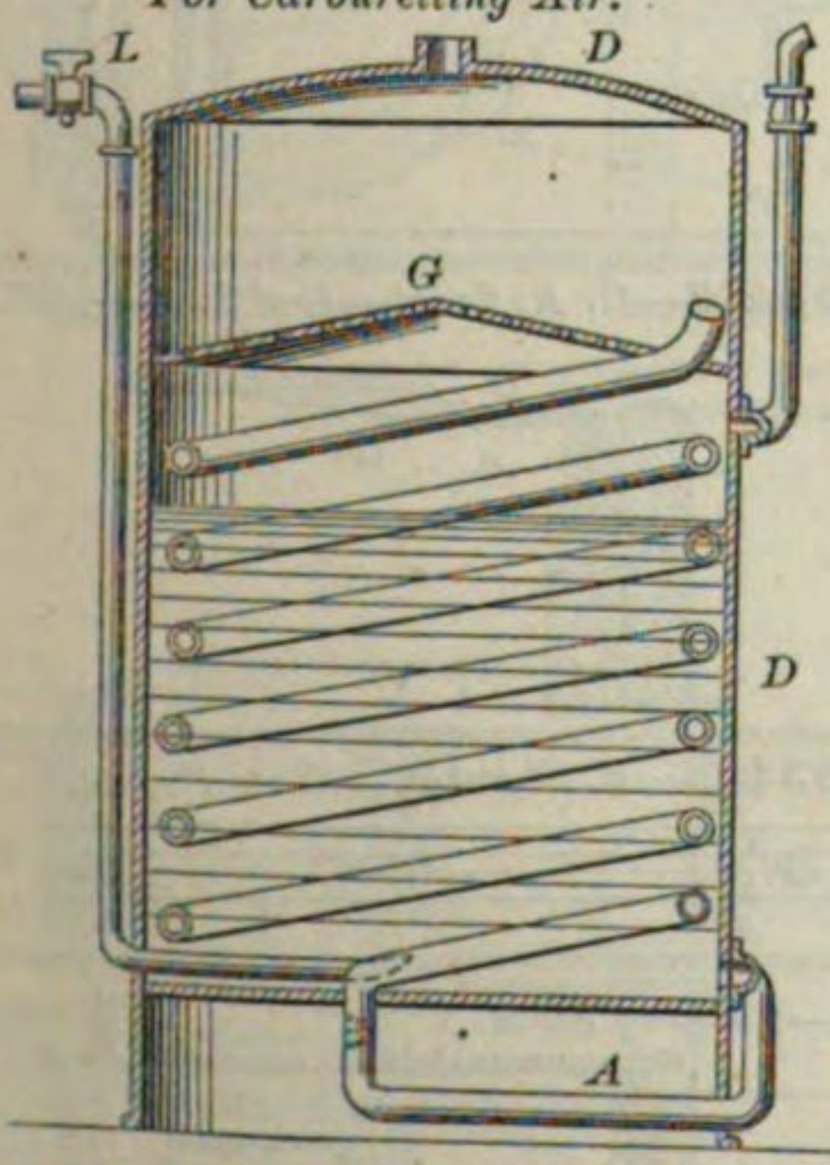


53480—F. Pilling—*Hub for Curtain Rollers.*

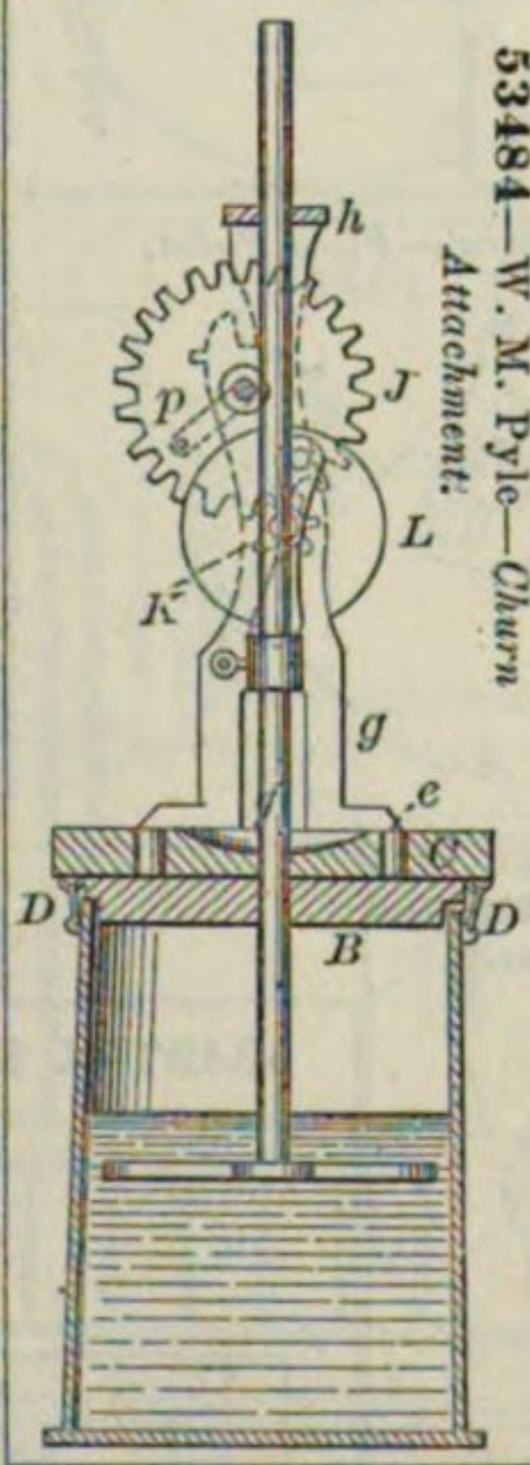
53482—Pond & Richardson—*Gas Apparatus.*



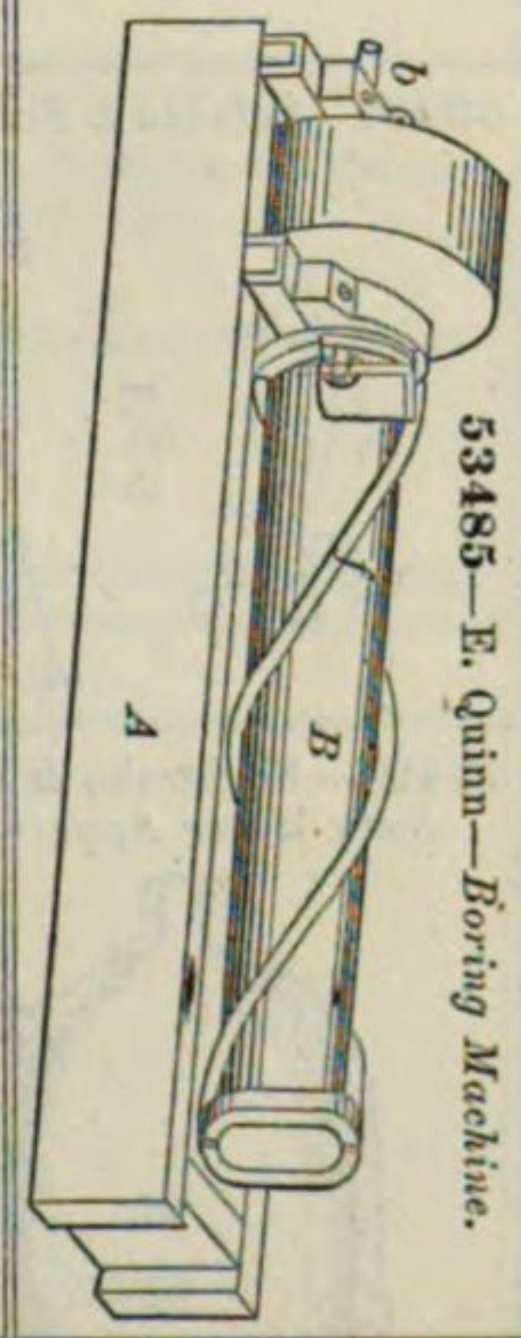
53481—Pond & Richardson—*Apparatus For Carburetting Air.*



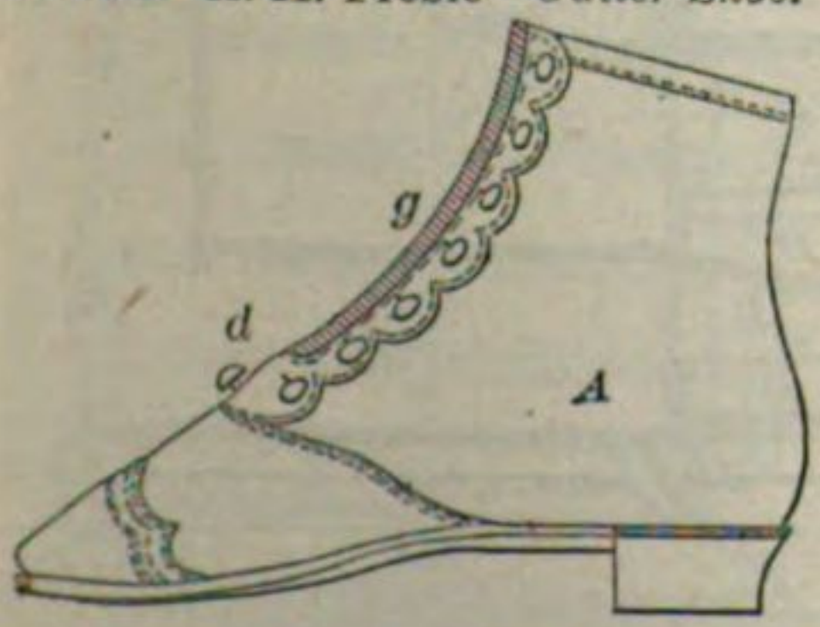
53484—W. M. Pyle—*Churn Attachment.*



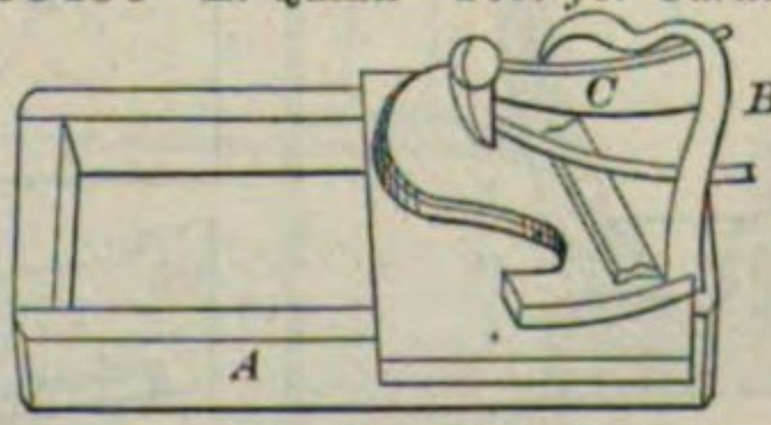
53485—E. Quinn—*Boring Machine.*



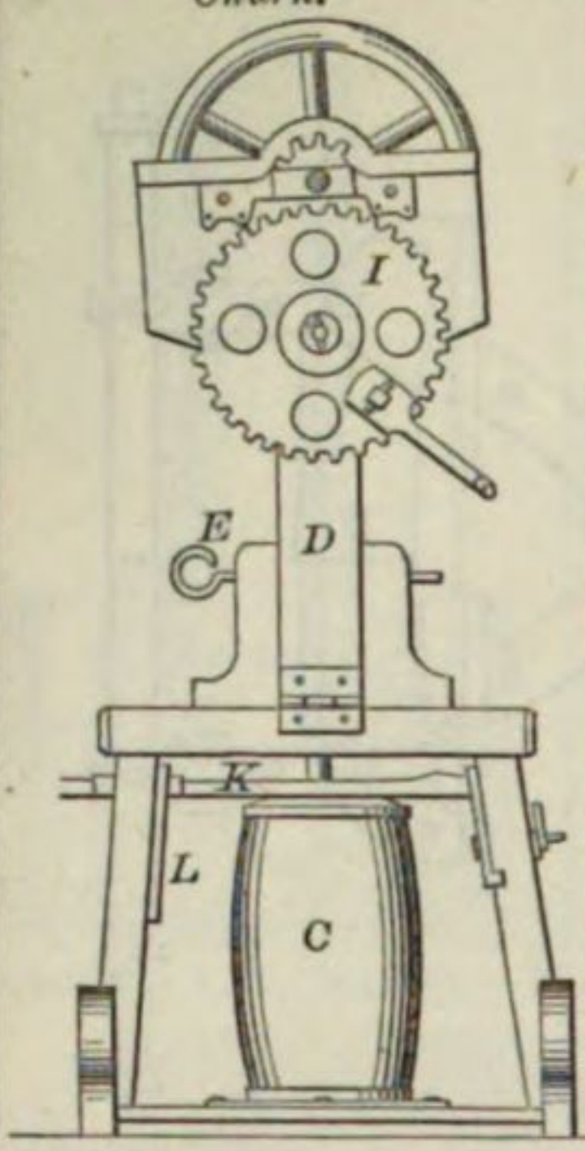
53483—A. M. Preble—*Gaiter Shoe.*



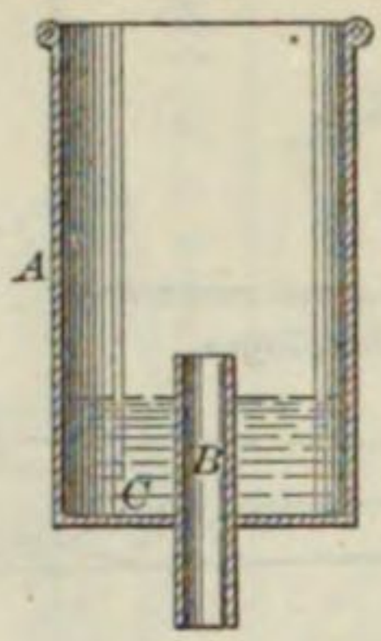
53486—E. Quinn—*Tool for Turning Wood.*



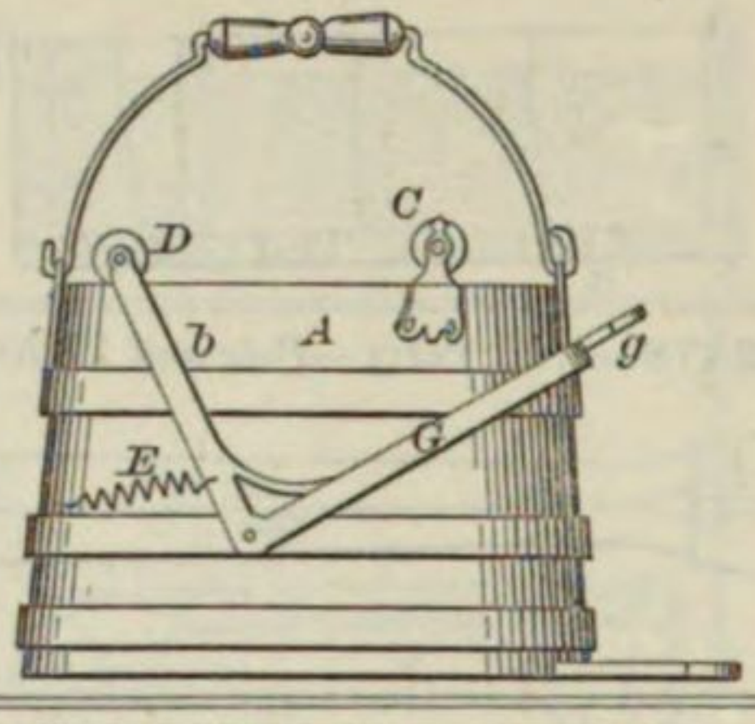
53487—D. B. Randall—*Churn.*



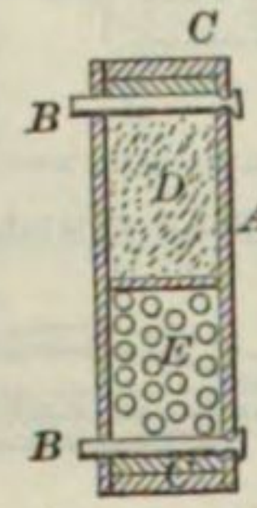
53488—A. Rankin—*Urinal.*



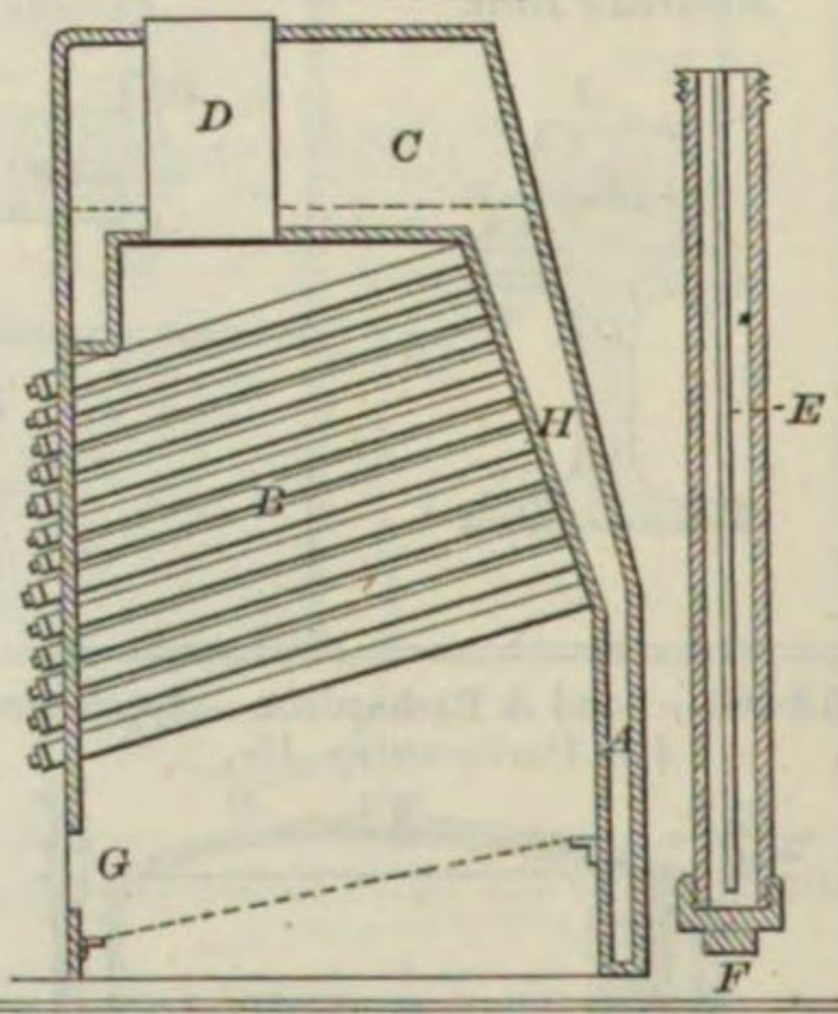
53489—F. Rhines—*Mop Wringer.*



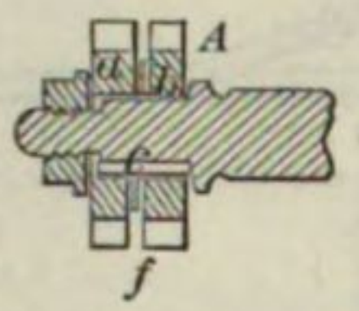
53490—W. H. Risley—*Metallic Cartridge.*



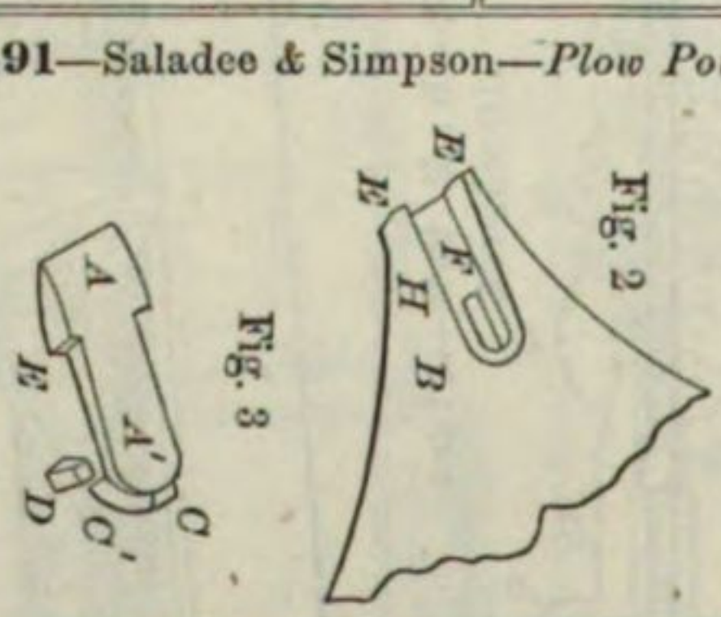
53493—H. C. Sergeant—*Steam Generator.*



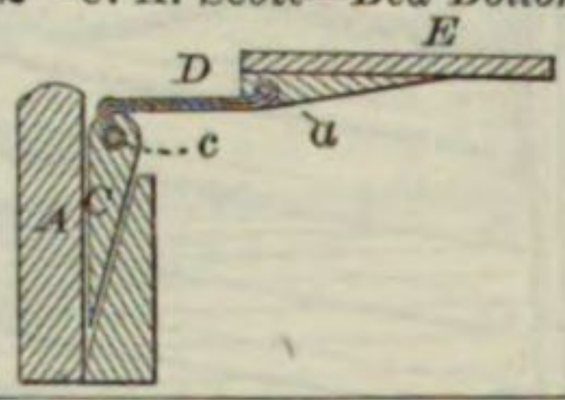
53496—J. F. Smith—*Milling Tool.*



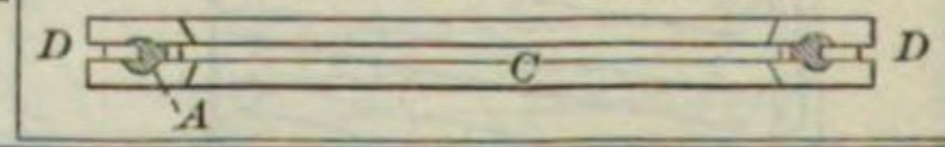
53491—Saladee & Simpson—*Plow Point.*



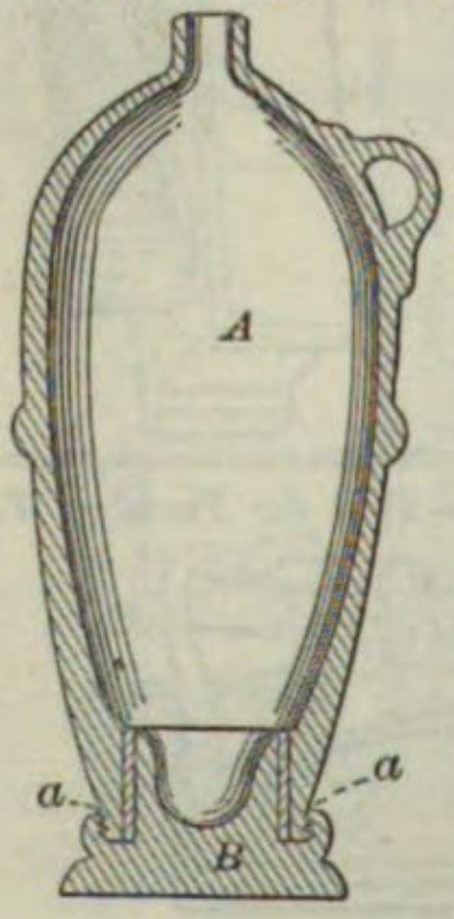
53492—C. A. Scott—*Bed Bottom.*



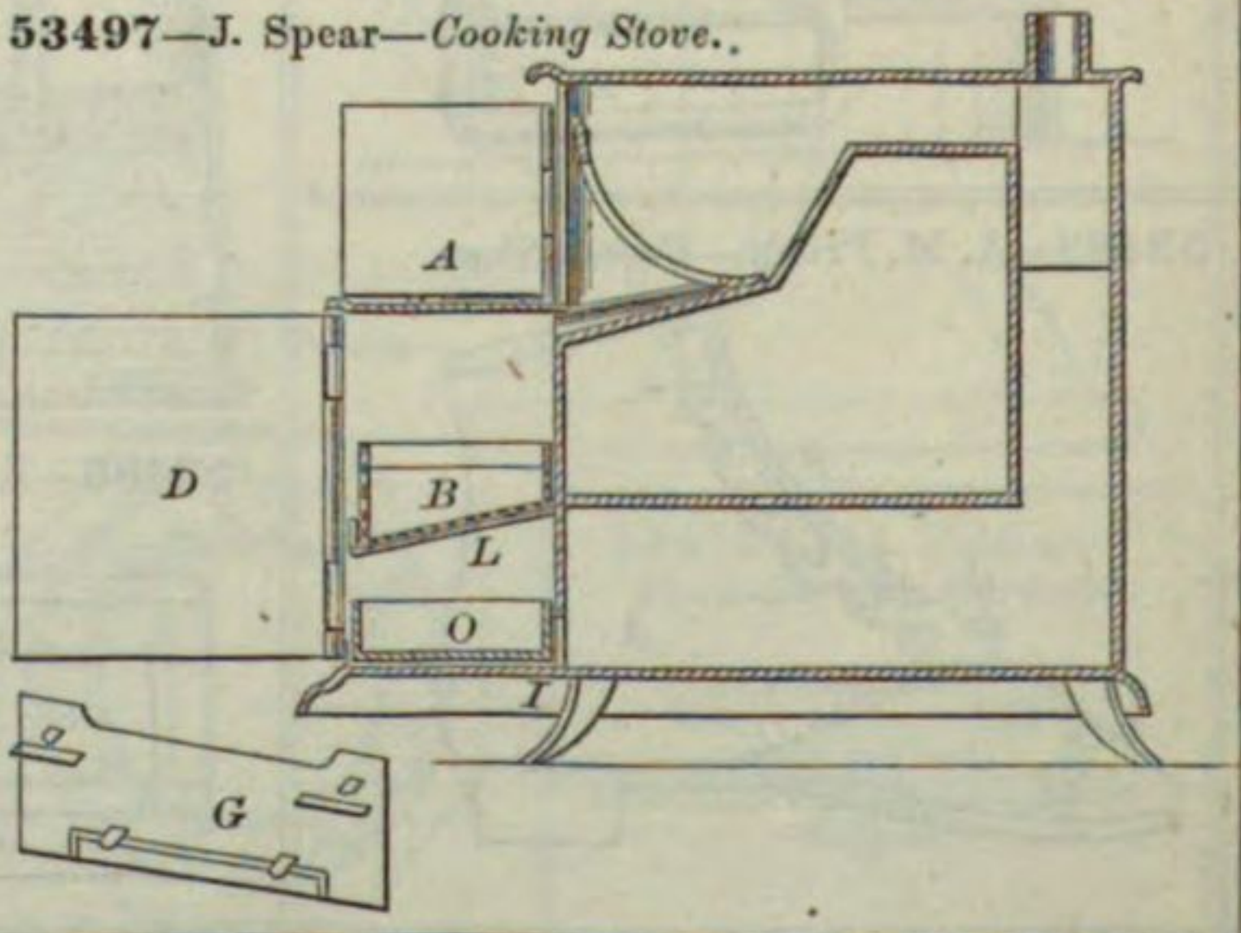
53495—F. Shenton—*Slate Frame.*



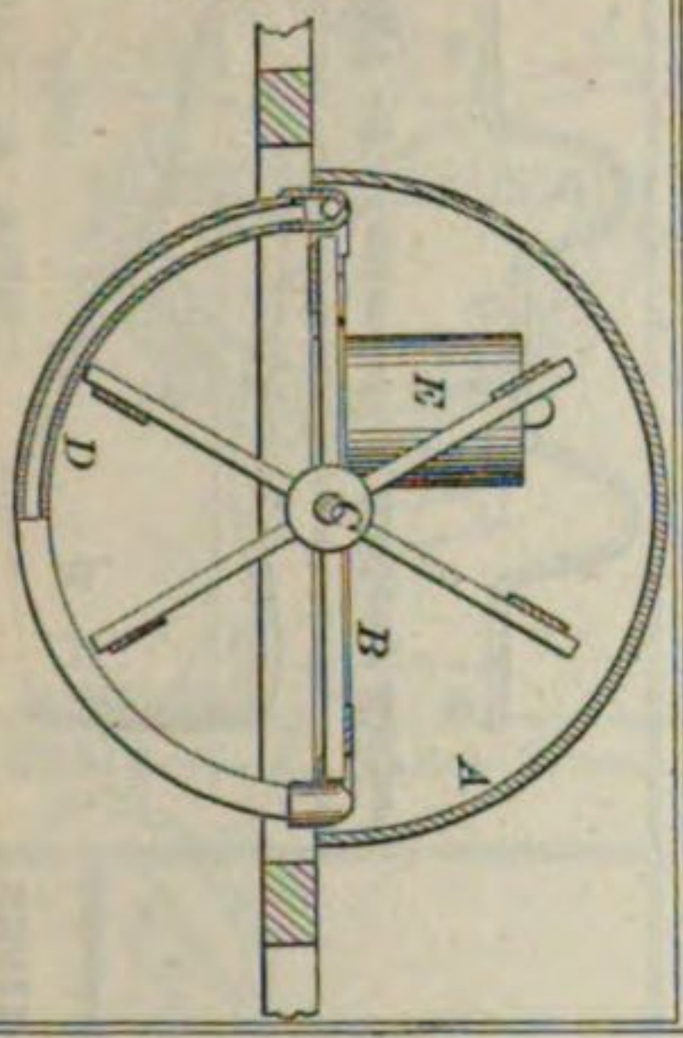
53494—Sheldrake & Bready—*Soda Water Apparatus.*



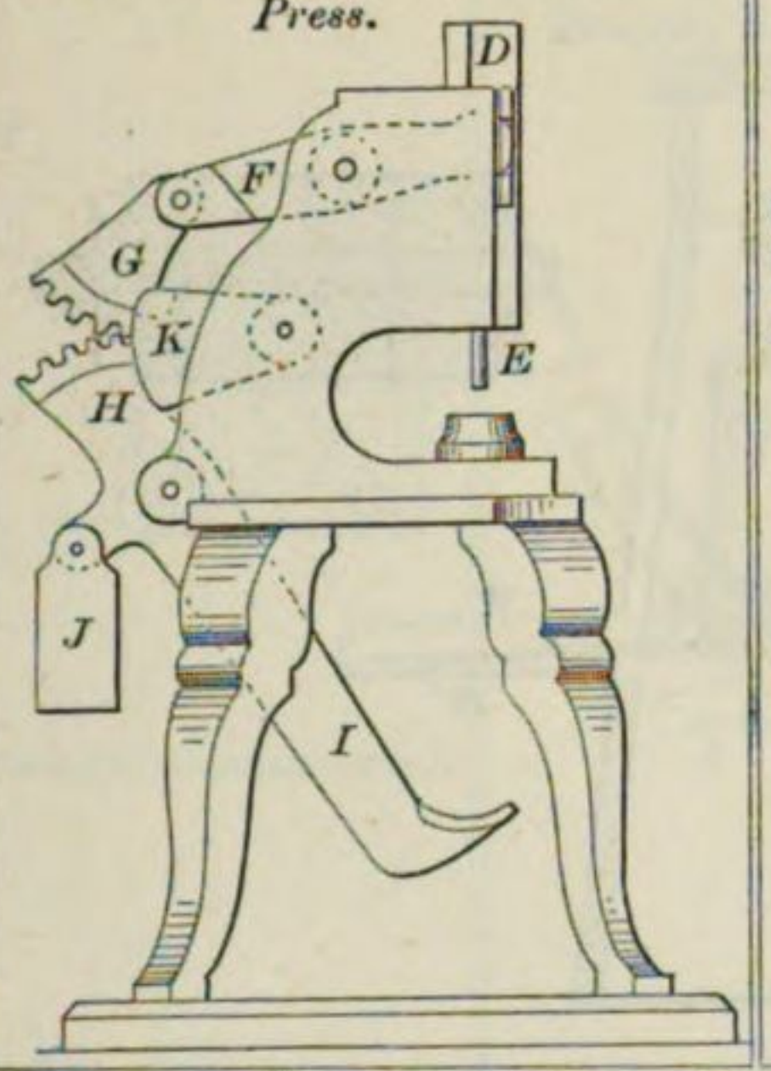
53497—J. Spear—*Cooking Stove.*



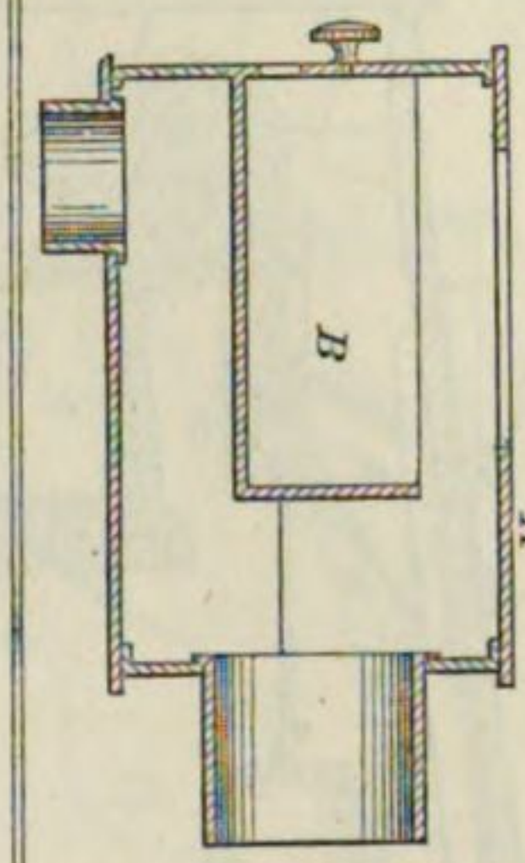
53498—J. F. Spence—*Condenser.*



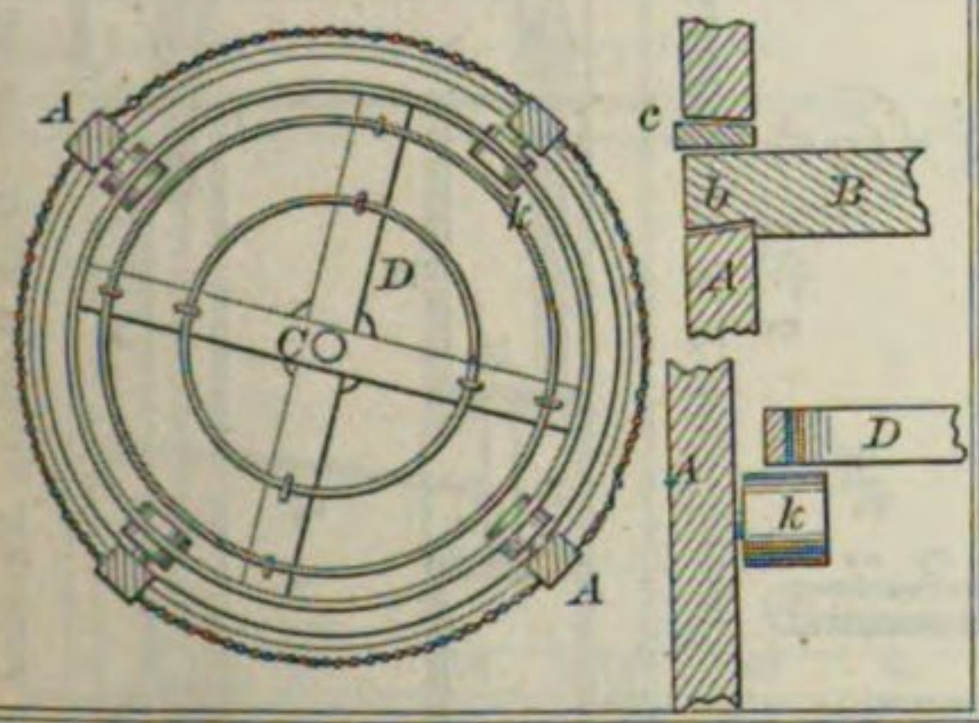
53499—N. C. Stiles—*Foot Press.*



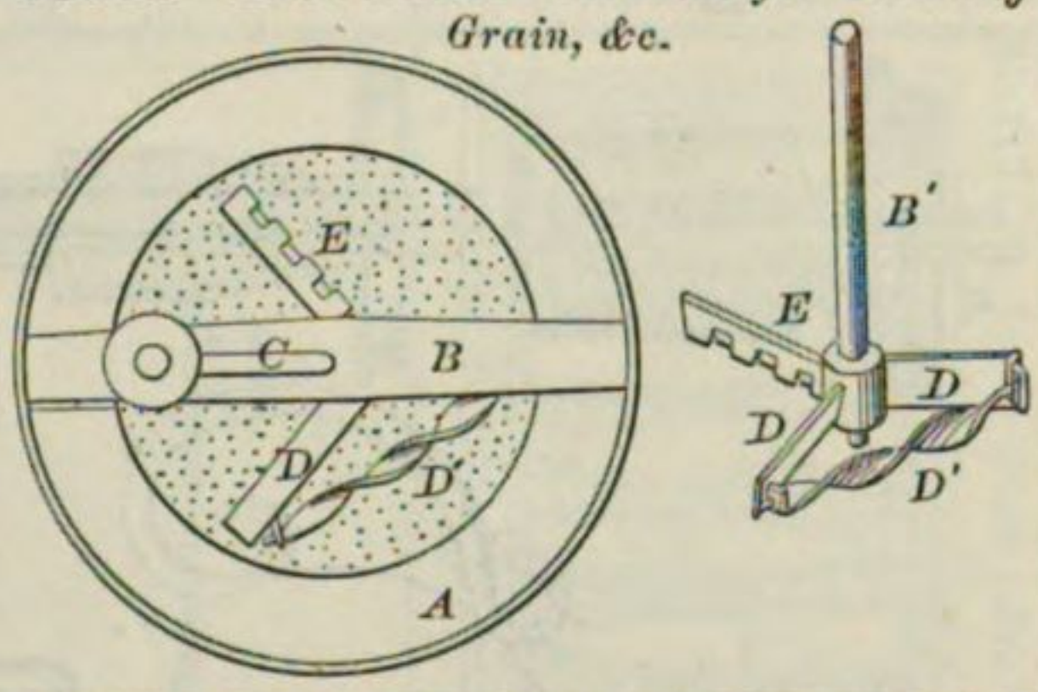
53503—J. A. Talpey—*Cooking Stove.*



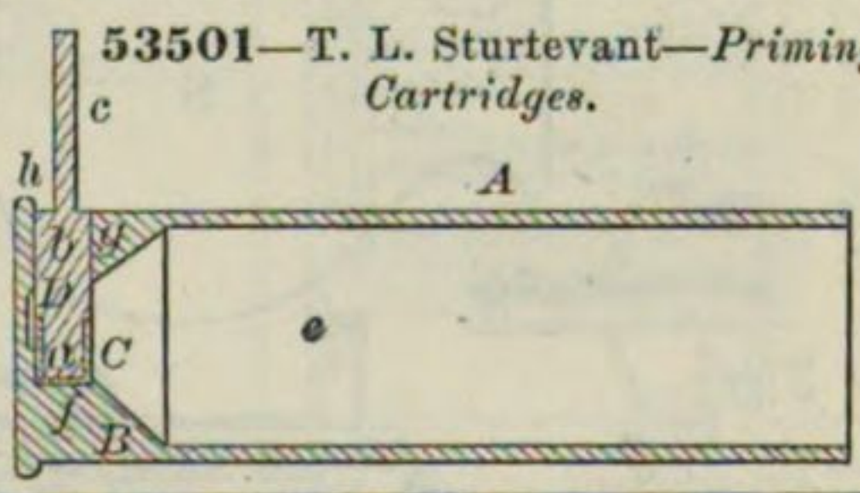
53500—Sturdevant, Parsons & Wheeler—*Milk Shelves.*



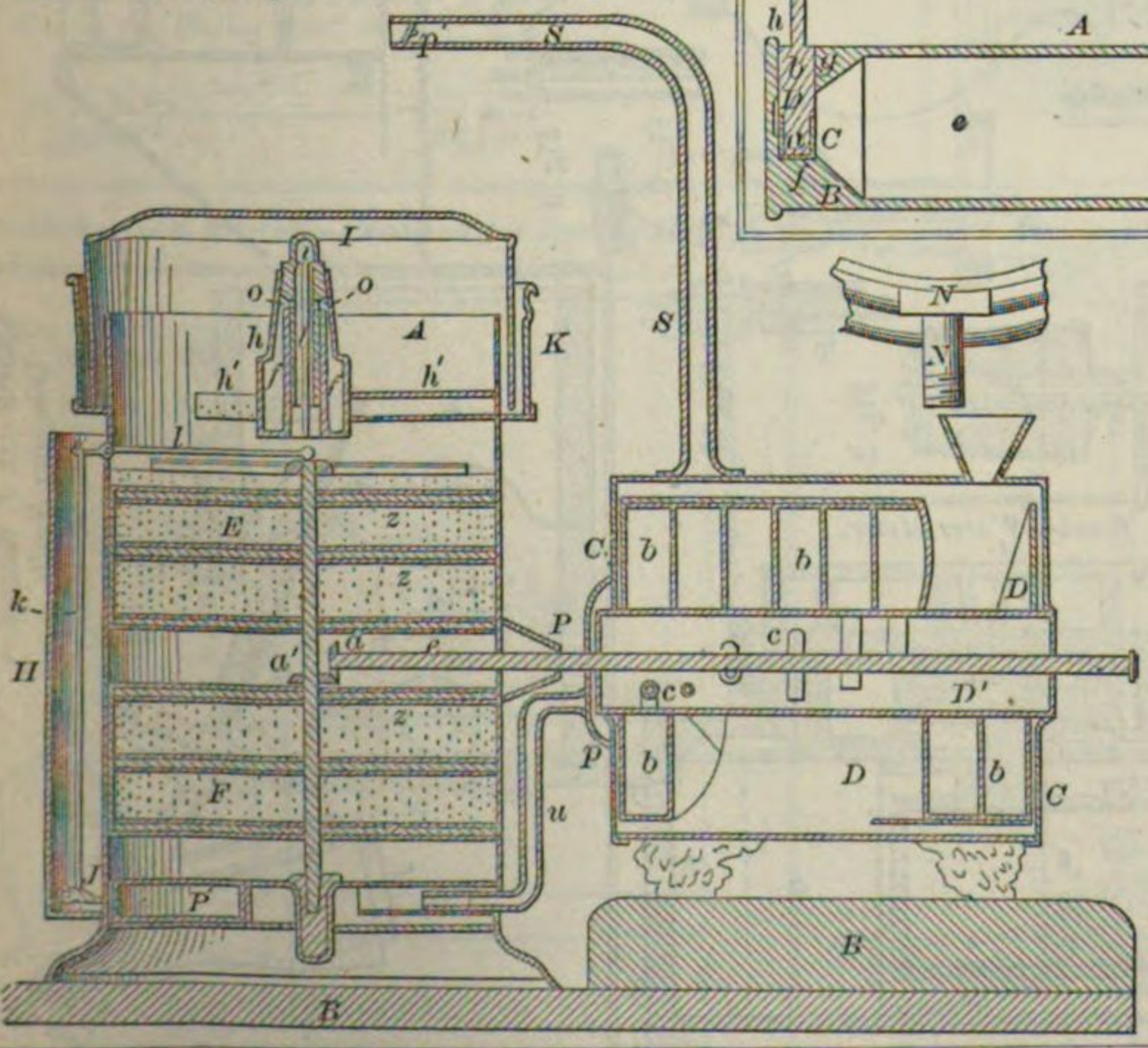
53502—E. Sweetland—*Machine for Cleaning Grain, &c.*



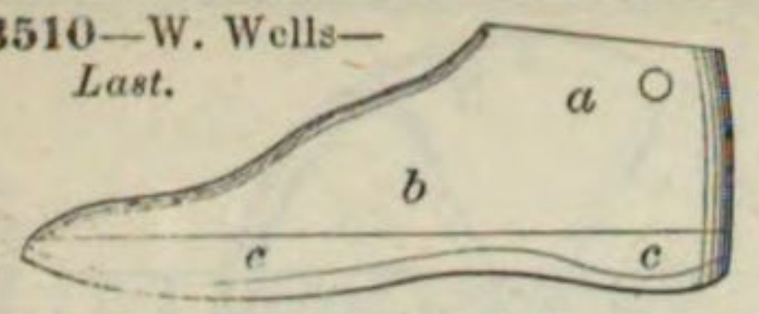
53501—T. L. Sturtevant—*Priming Cartridges.*



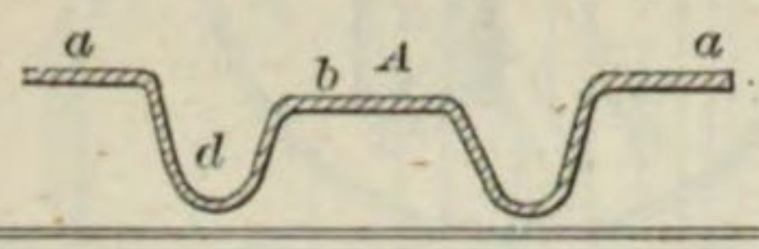
53504—W. Thompson—*For Carburetting Air.*



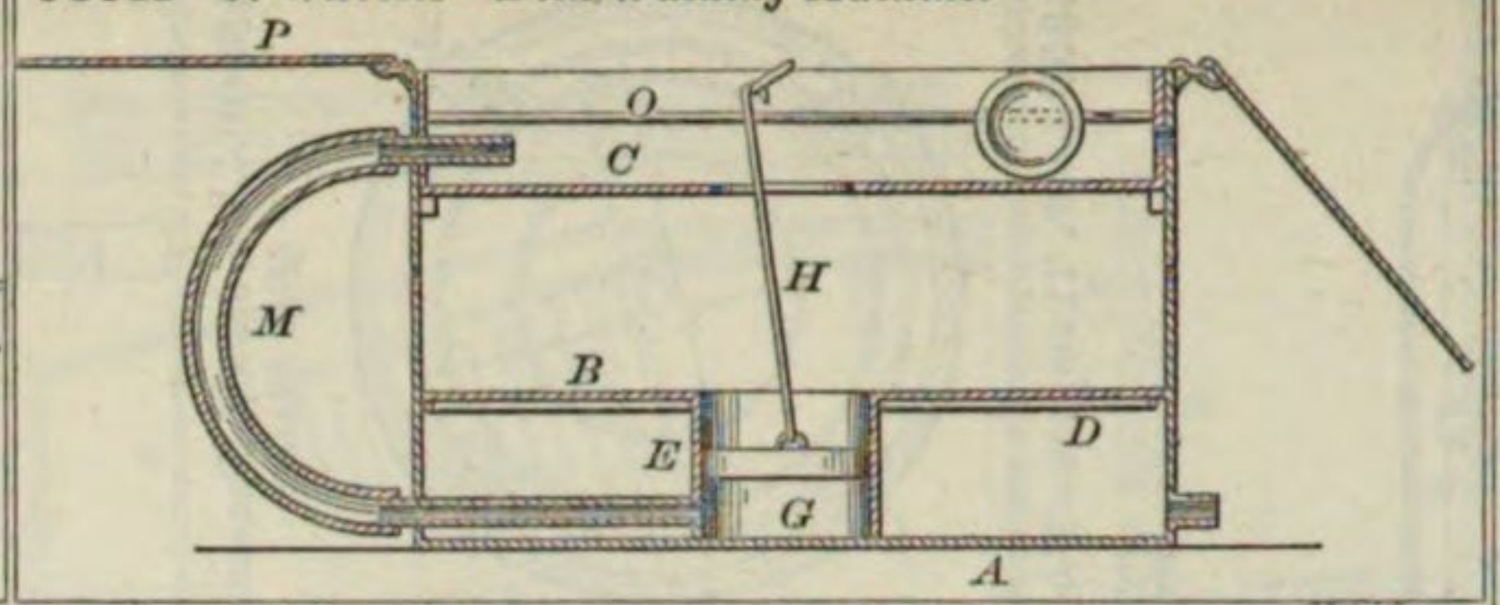
53510—W. Wells—*Last.*



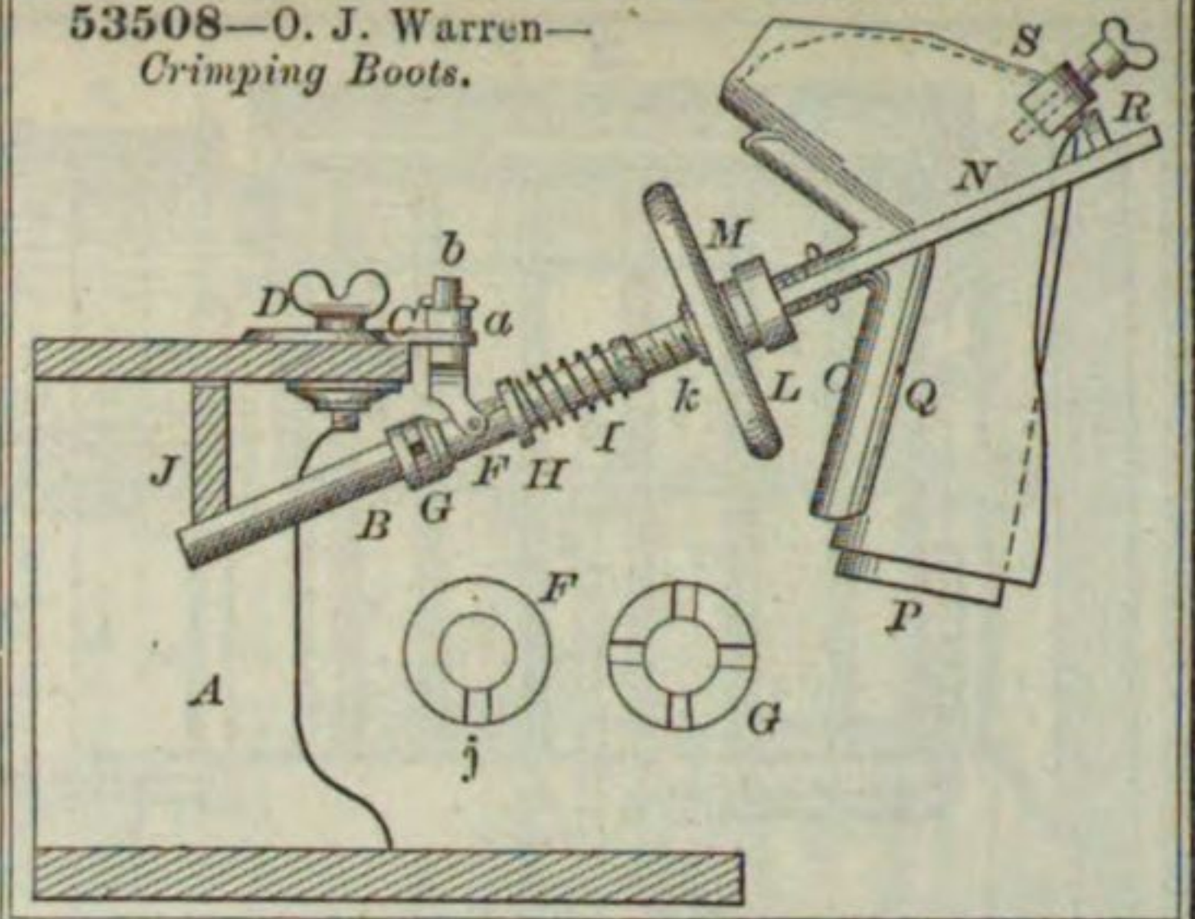
53507—F. Vester—*Iron Railway Sleeper.*



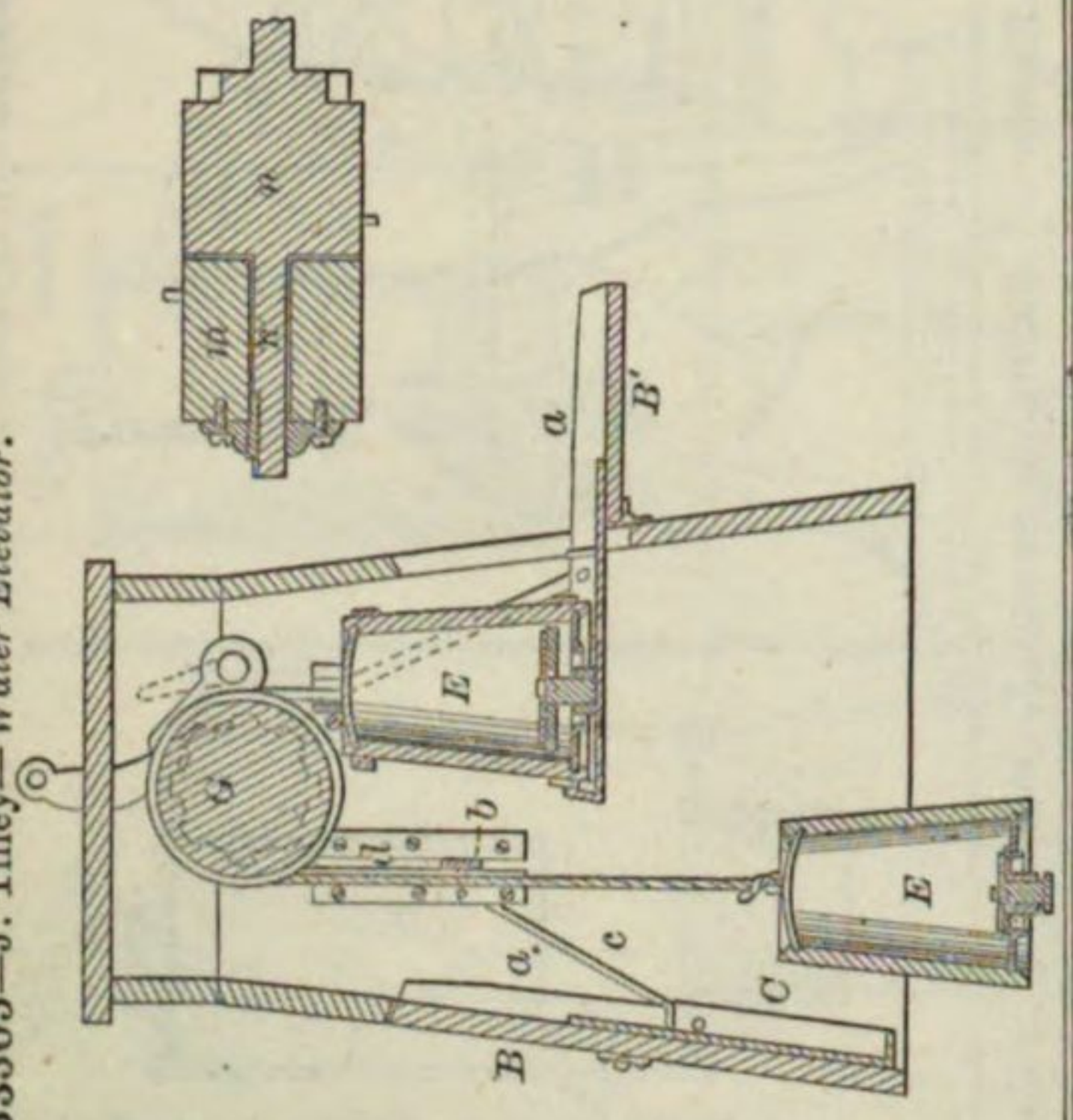
53511—J. Wheeler—*Dish Washing Machine.*



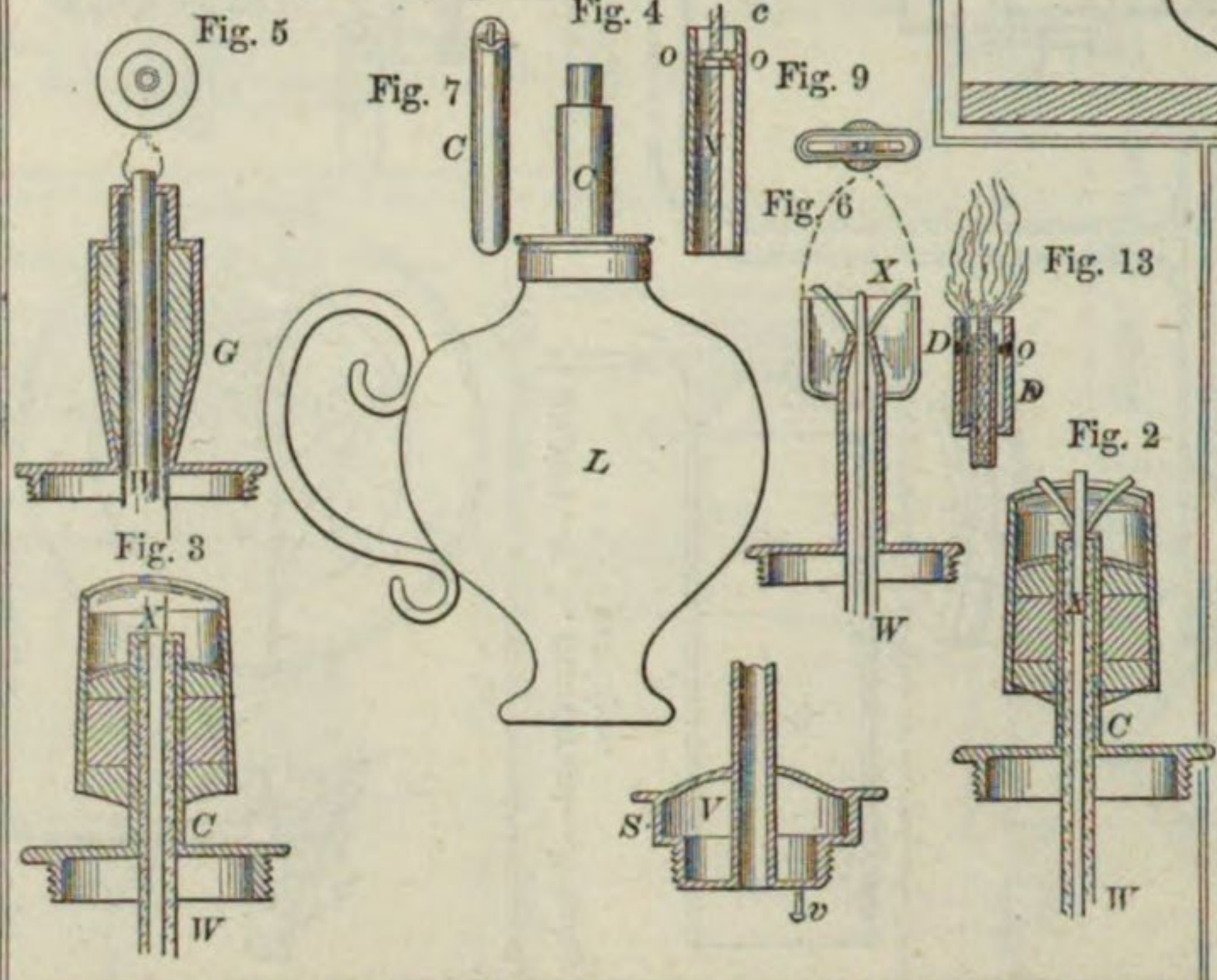
53508—O. J. Warren—*Crimping Boots.*



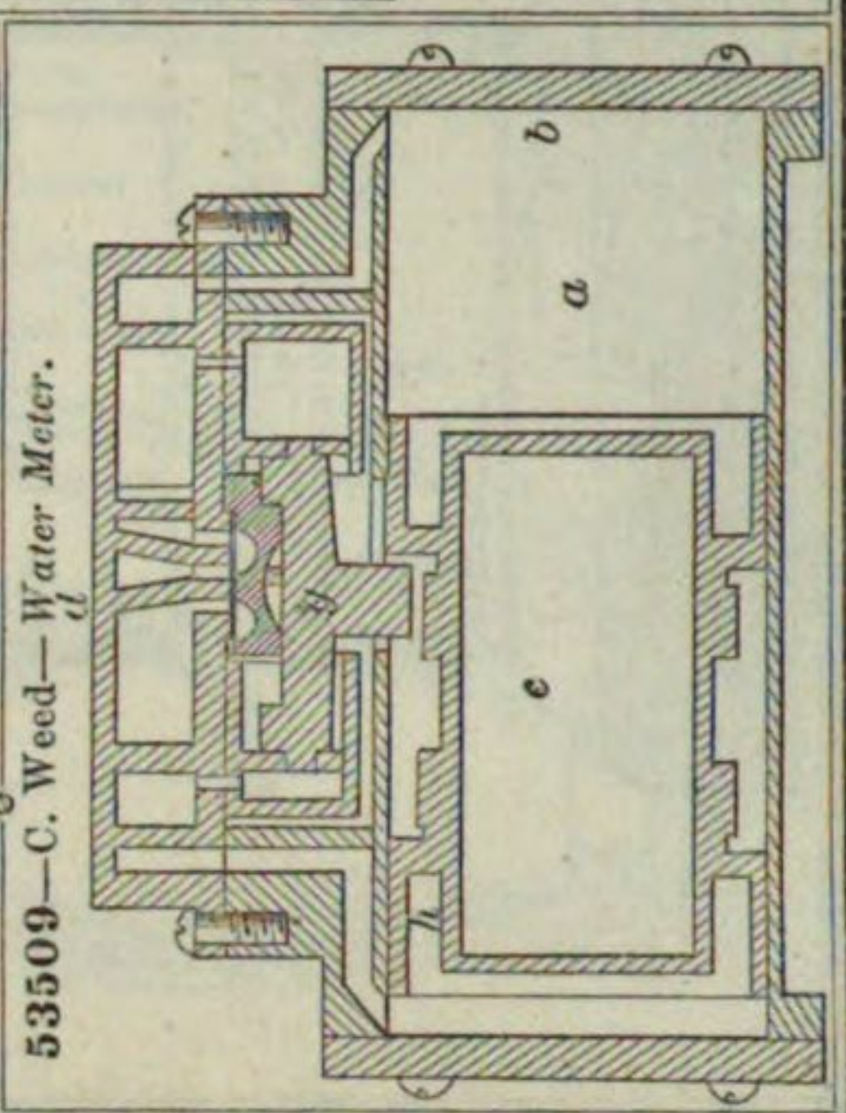
53505—J. Tilley—*Water Elevator.*



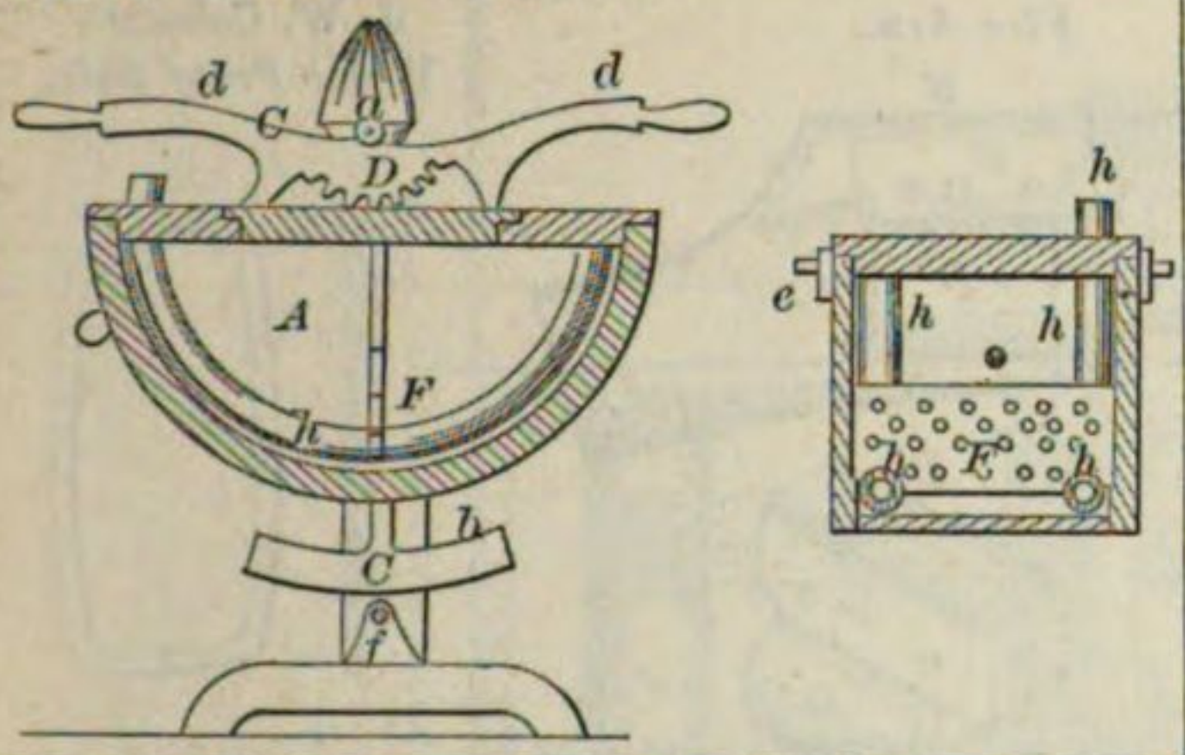
53506—C. N. Tyler—*Lamp.*



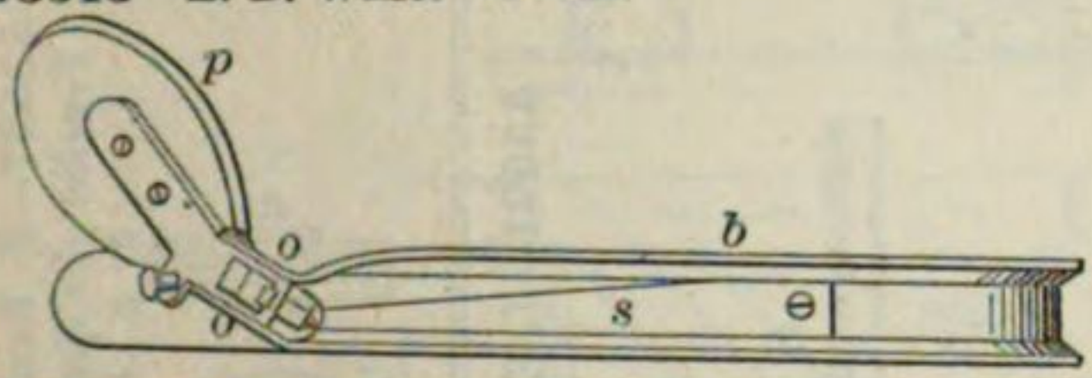
53509—C. Weed—*Water Meter.*



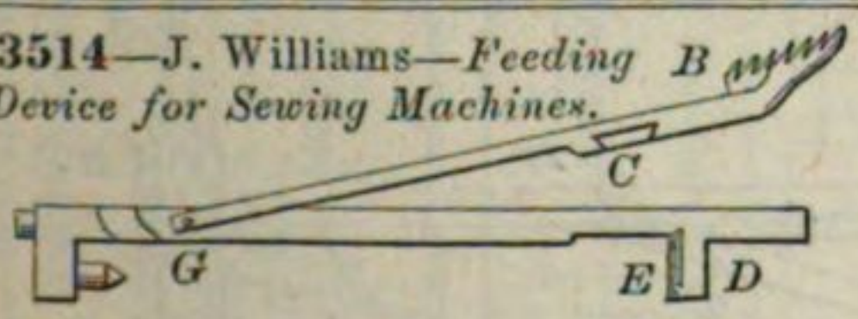
53512—J. White—*Churn.*



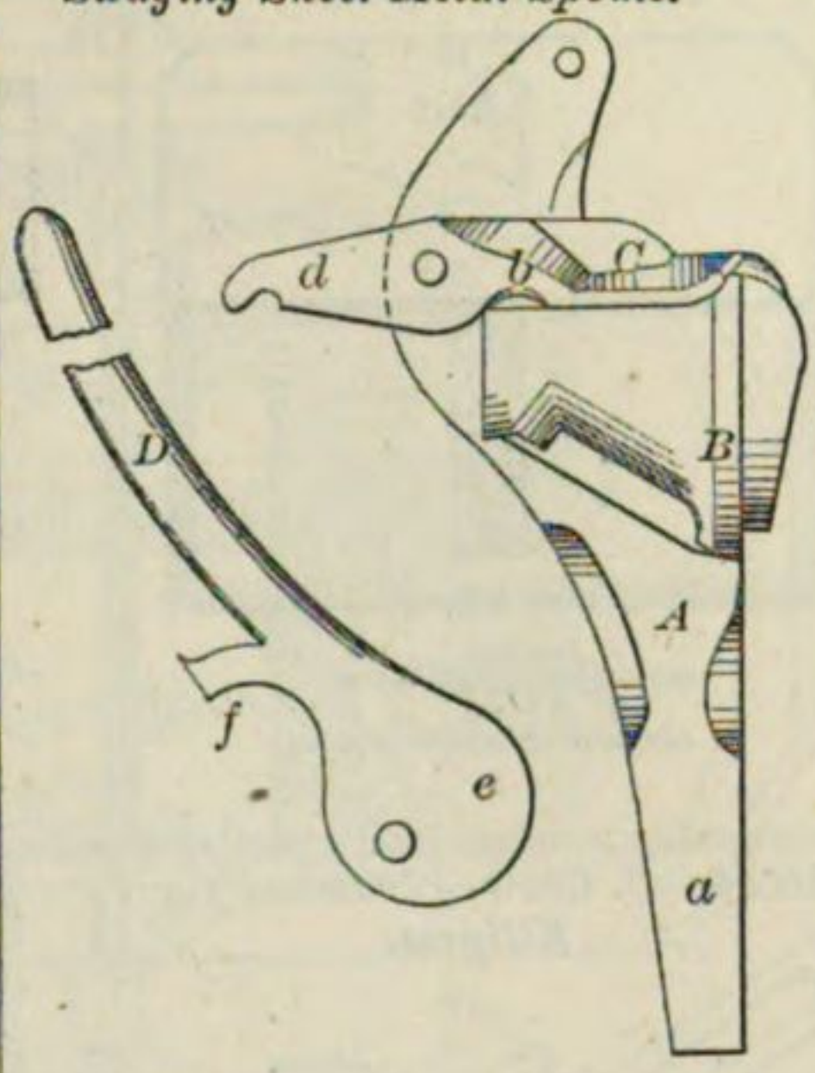
53513—L. B. White—*Truss.*



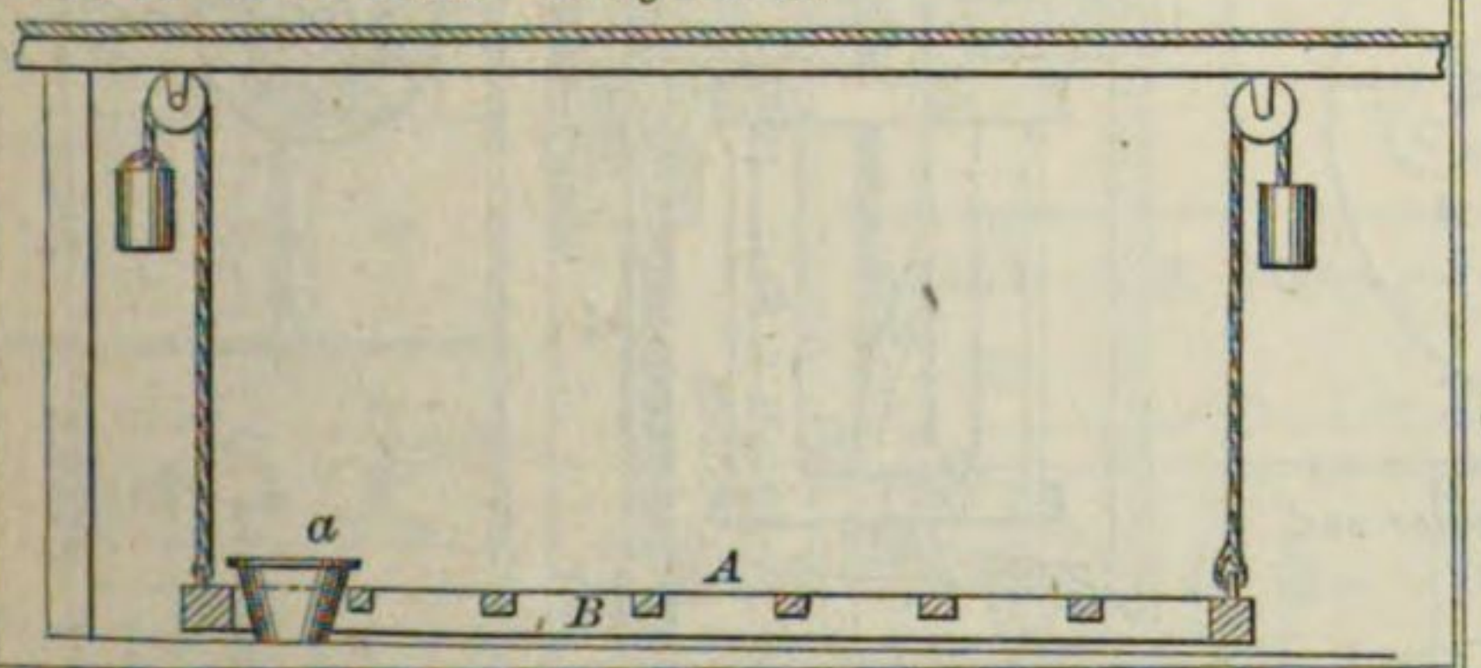
53514—J. Williams—*Feeding Device for Sewing Machines.*



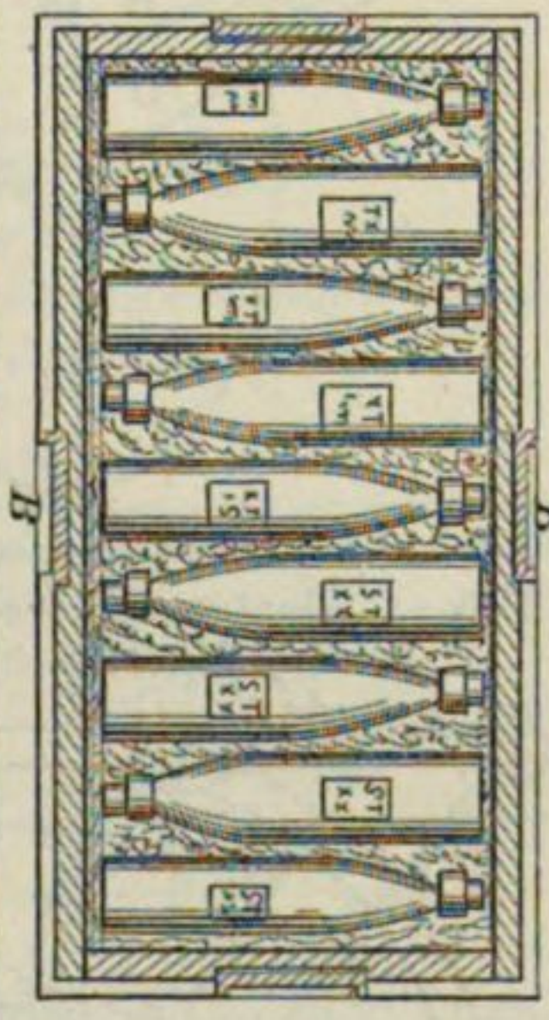
53515—S. F. Woodworth—*For Swaging Sheet Metal Spouts.*



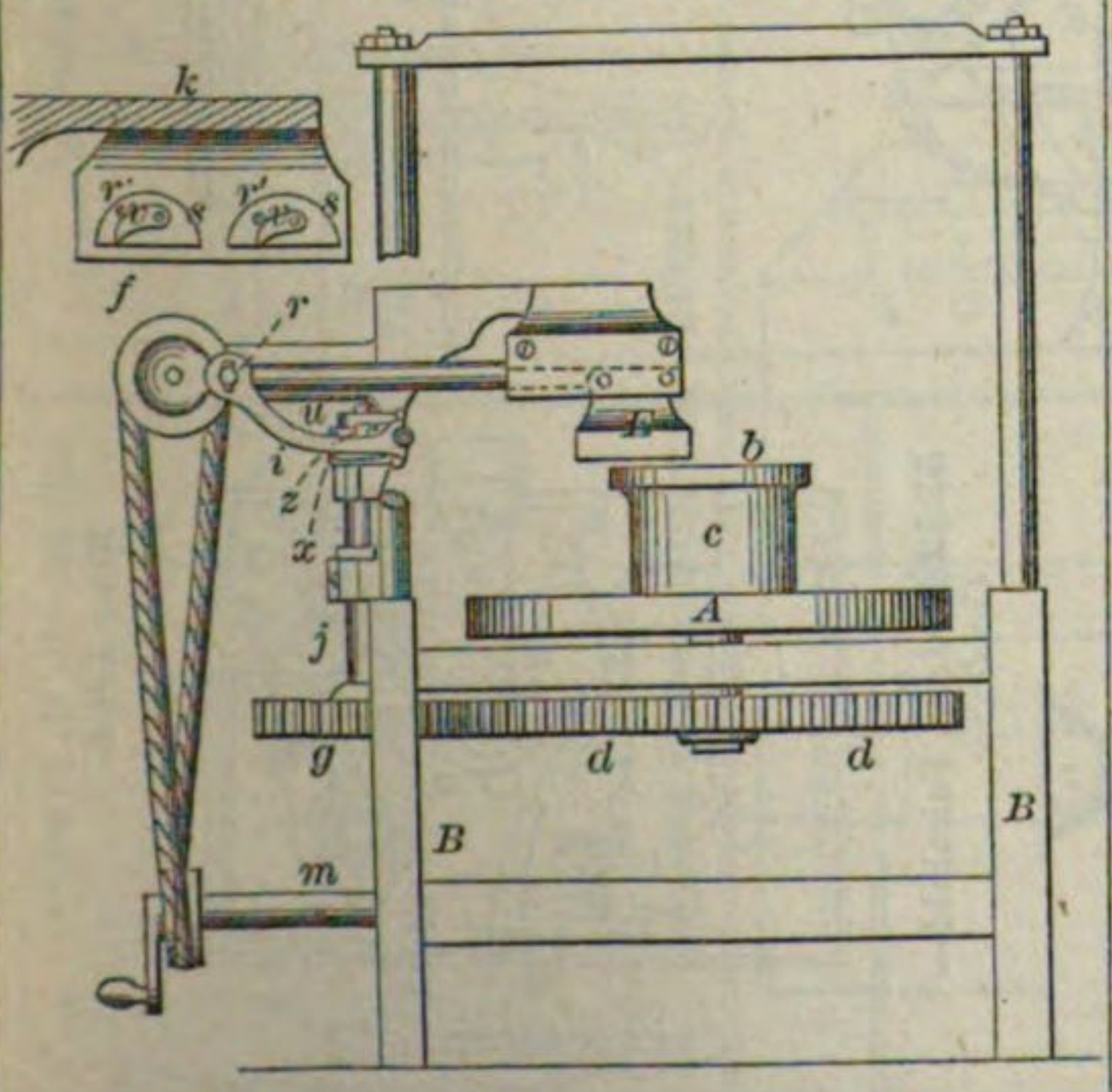
53516—S. D. Yerks—*Dairy House.*



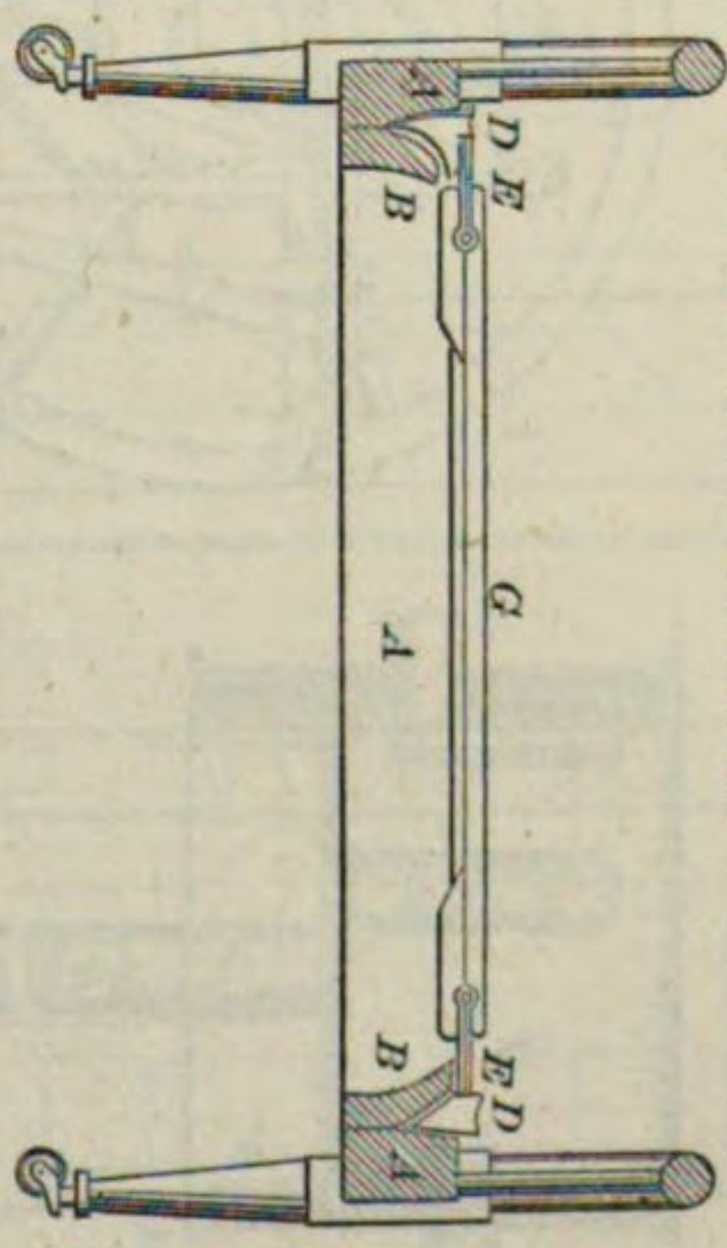
53517—R. M. Bartlett—*Sealing Box, &c.*



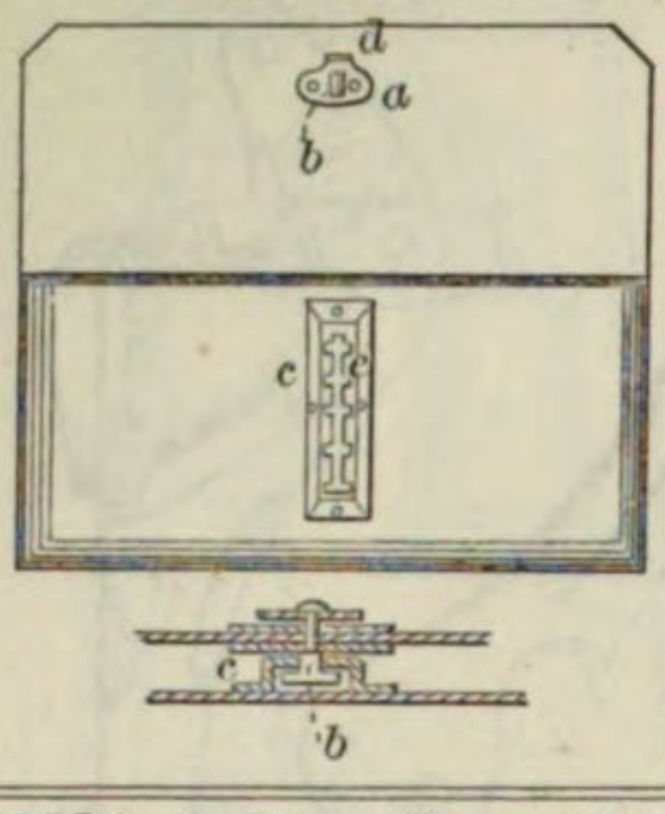
53518—Best & Drake—*Machine for Ironing Hats.*



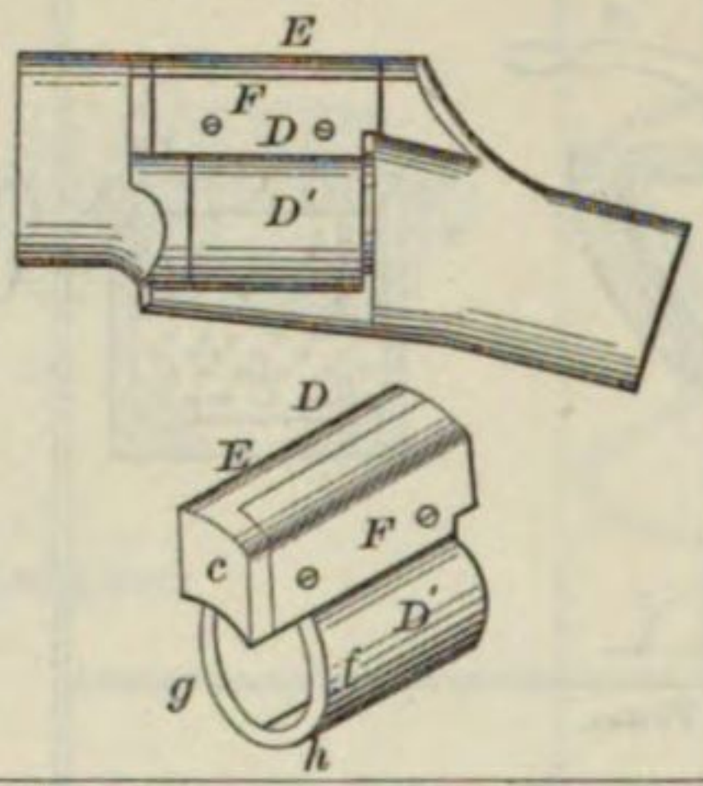
53519—C. M. Brown—*Bed Bottom.*



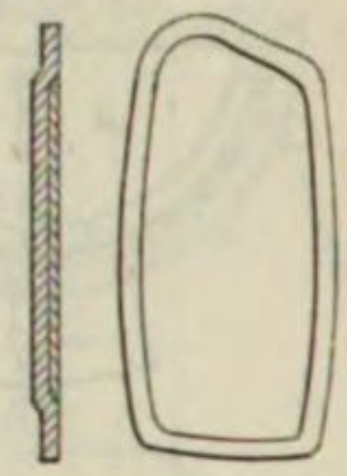
53520—Brown & Rice—*Clasp For Pocket Books.*



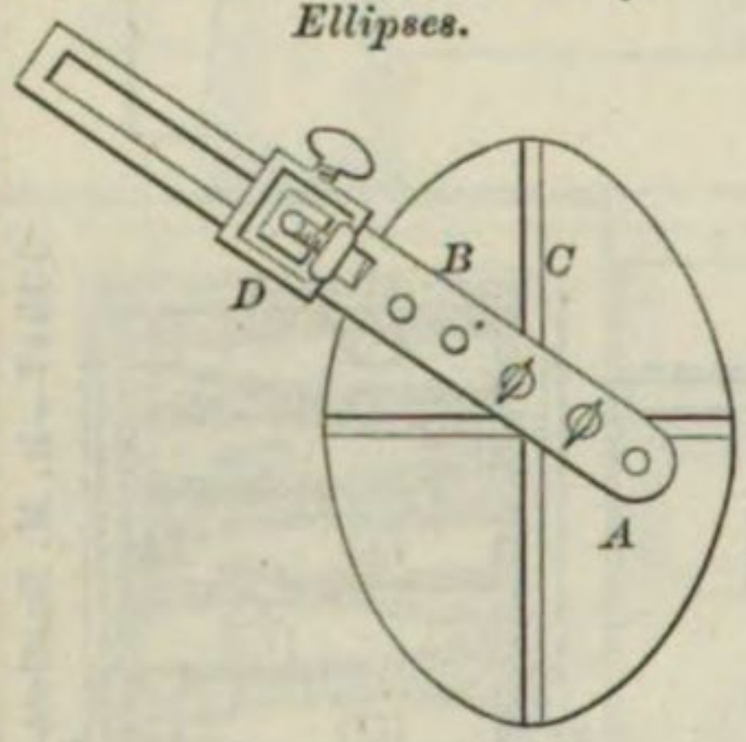
53522—F. Clark—*Breech-Loading Fire Arm.*



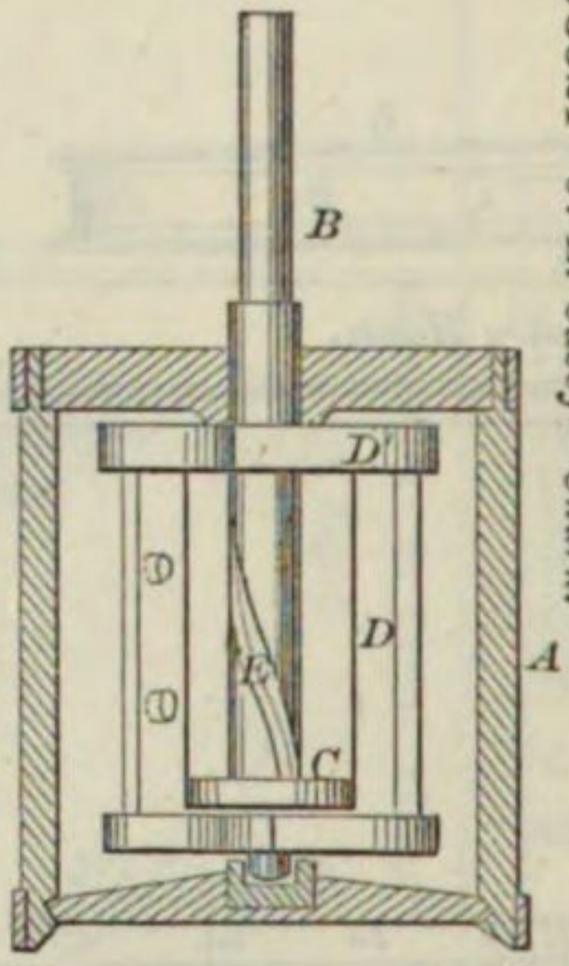
53523—J. W. Coburn—*Water Proof Sole.*



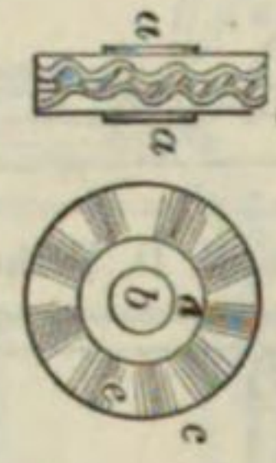
53524—C. Crow—*Trammel for Ellipses.*



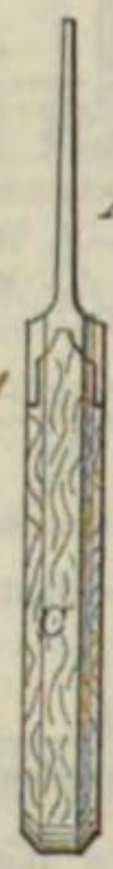
53521—J. E. Casey—*Churn.*



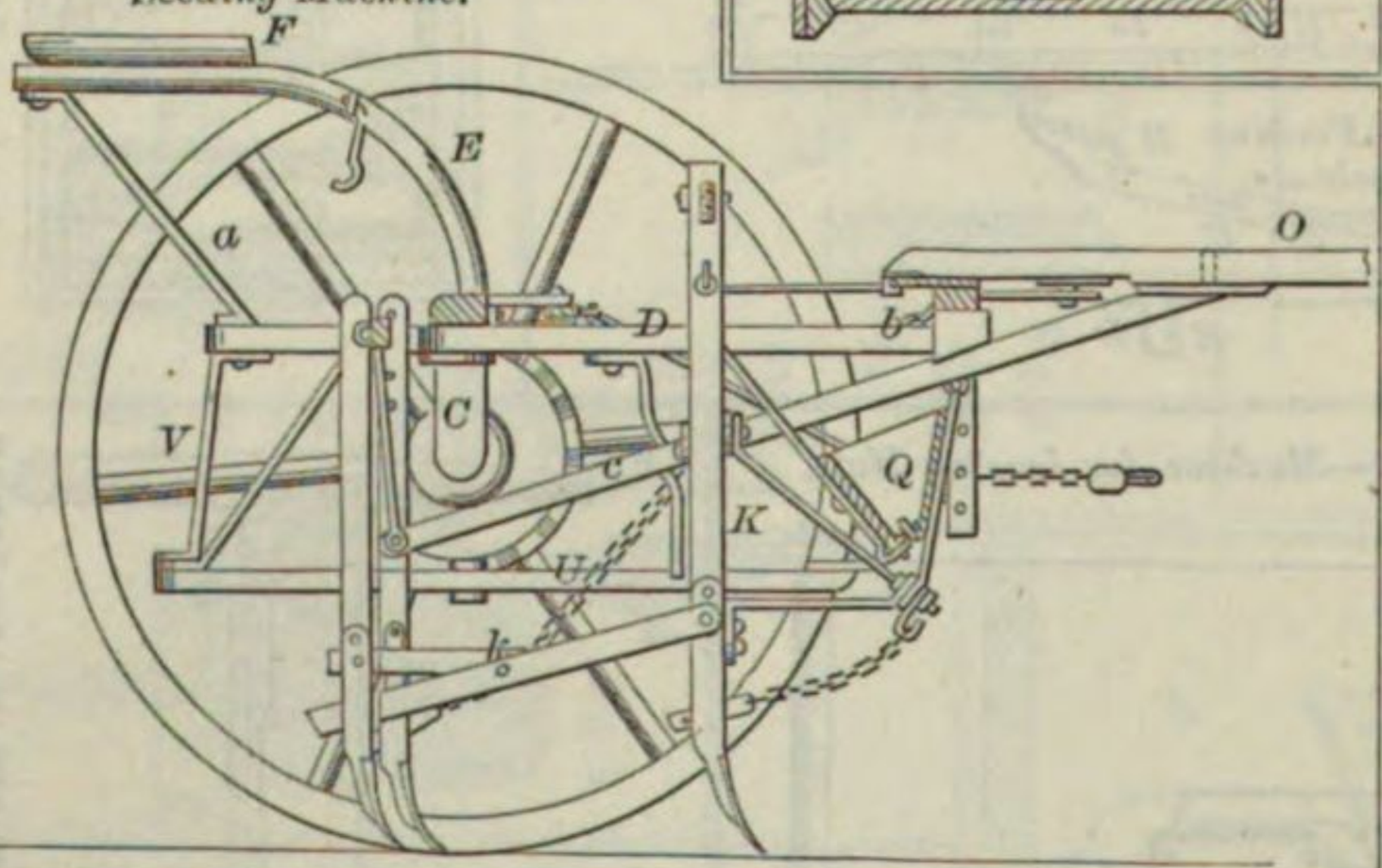
53527—P. Evens, Jr.—*Thread Tension for Sewing Machines.*



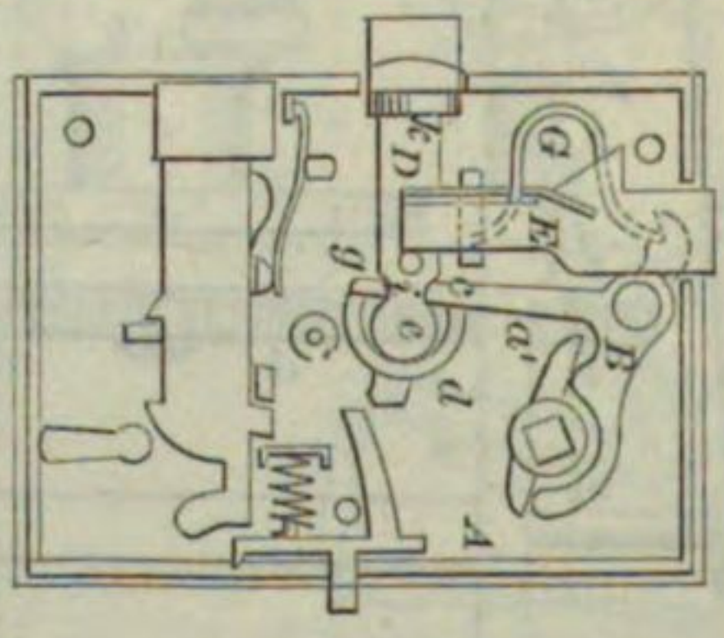
53529—J. W. Gardner—*Manufacture of Table Cutlery.*



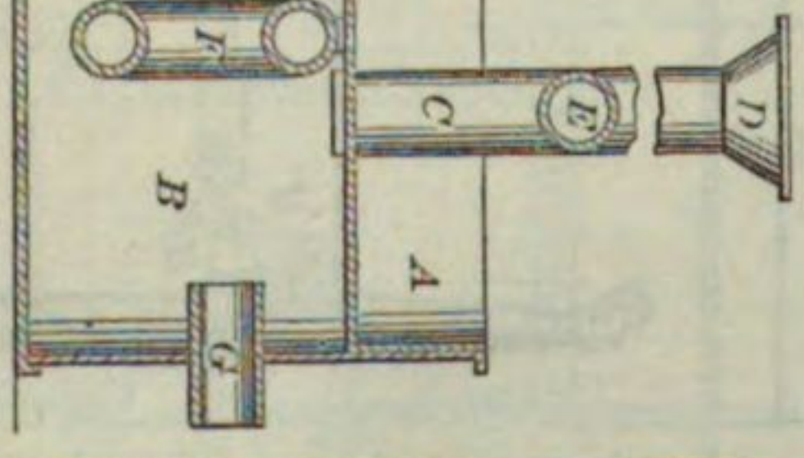
53525—C. Denton—*Cultivator and Seeding Machine.*



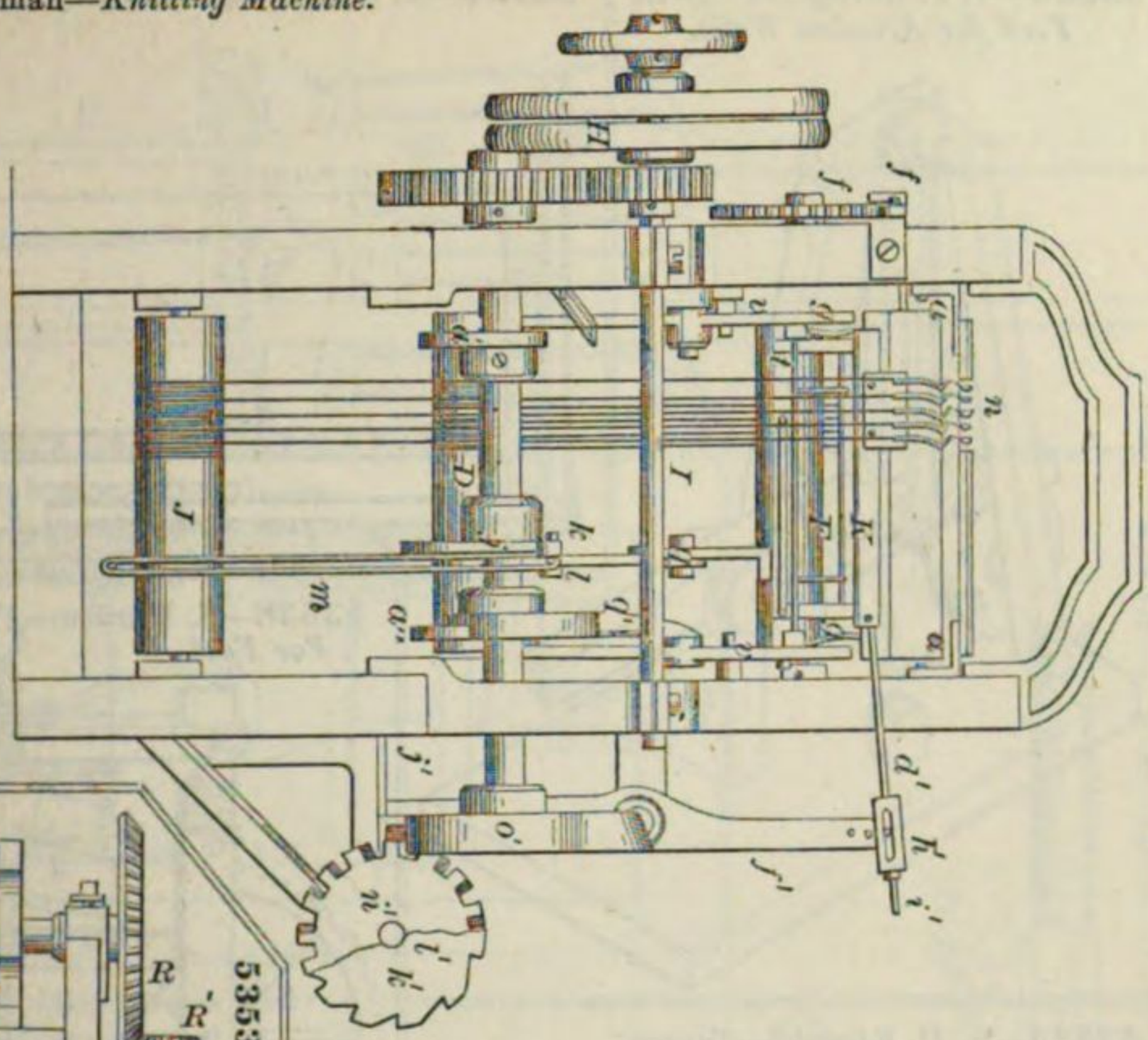
53526—H. H. Elwell—*Knob Latch.*



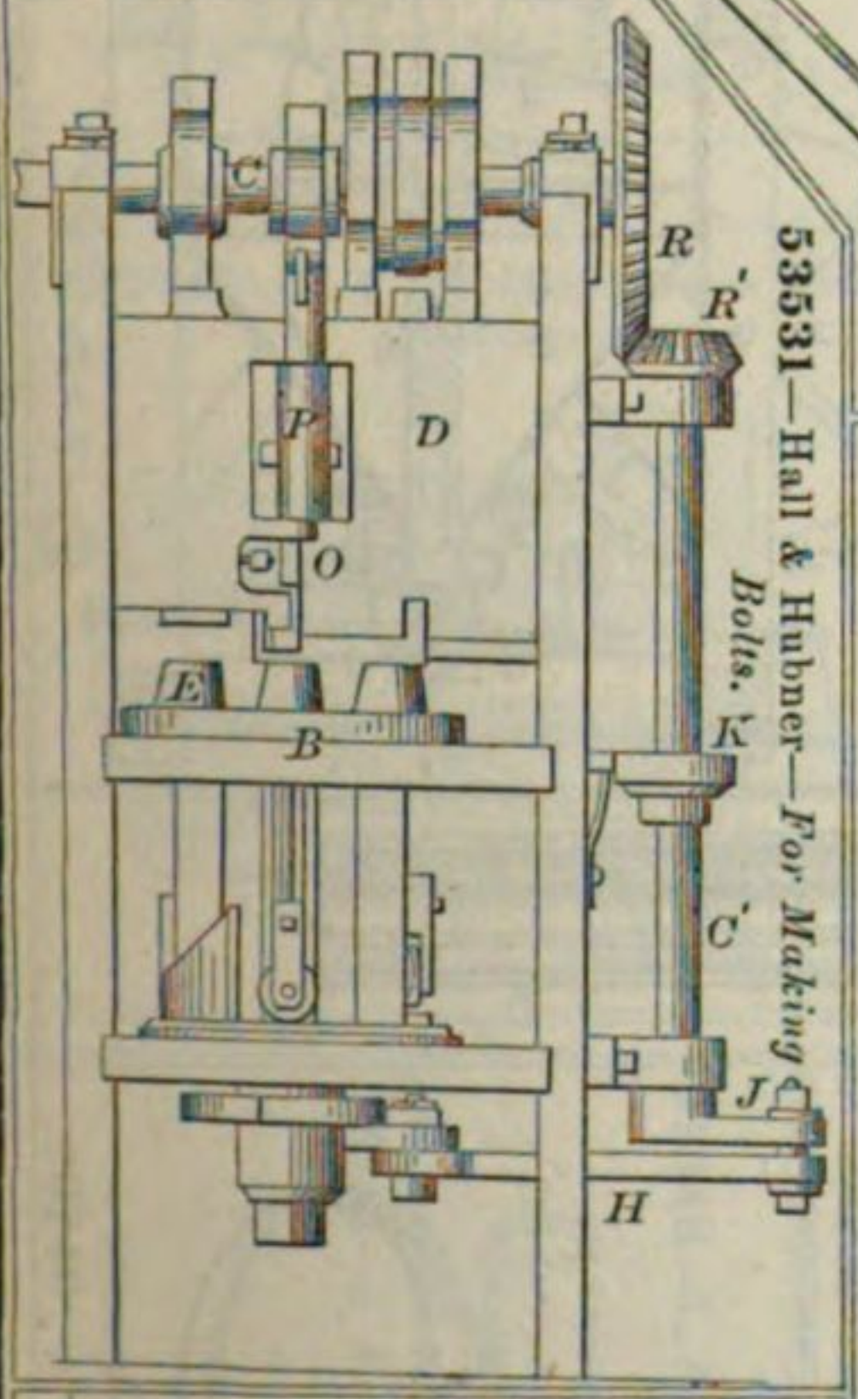
53528—J. H. Fairchild—*Condenser.*



53530—J. Goodman—*Knitting Machine.*

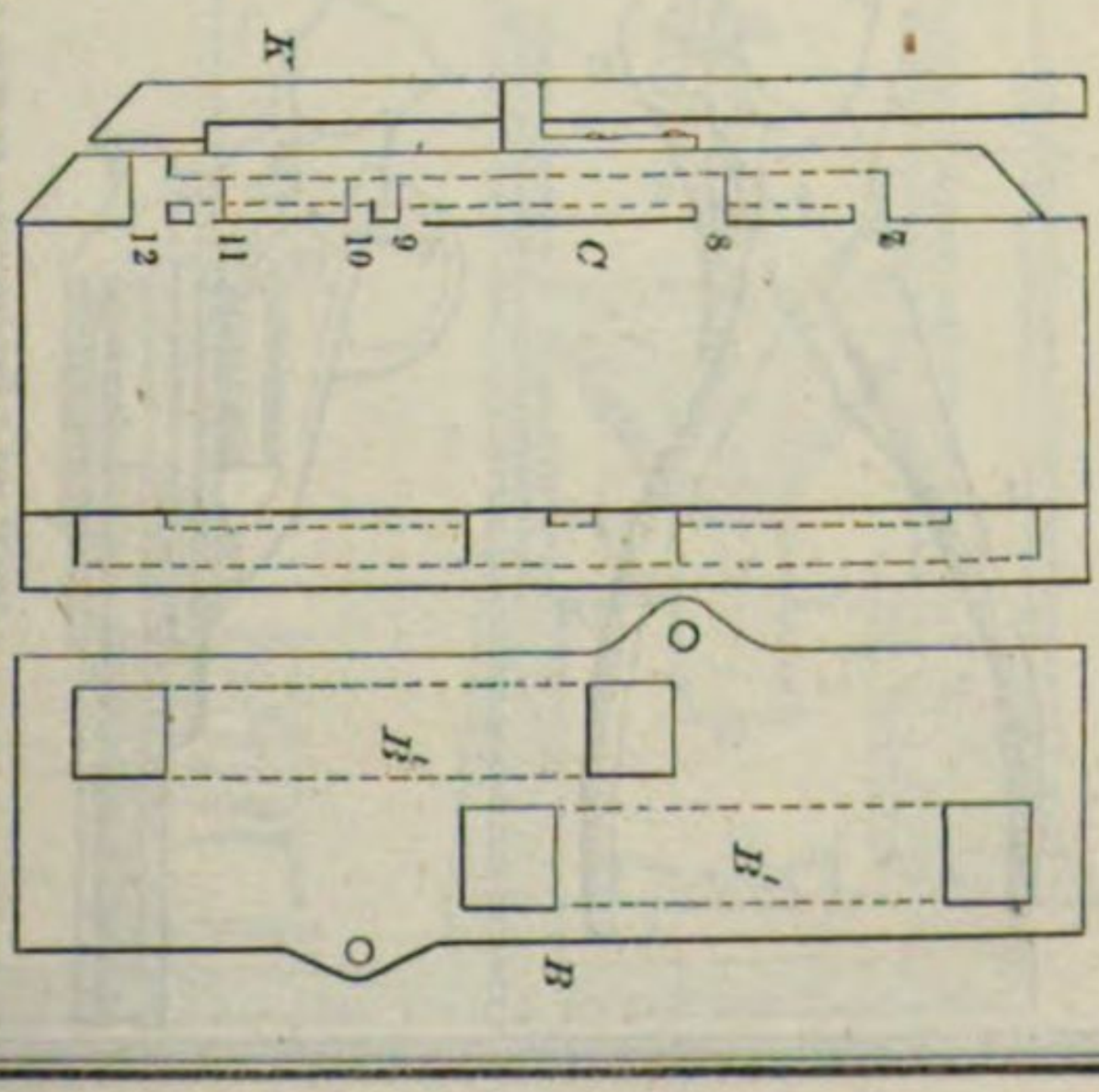


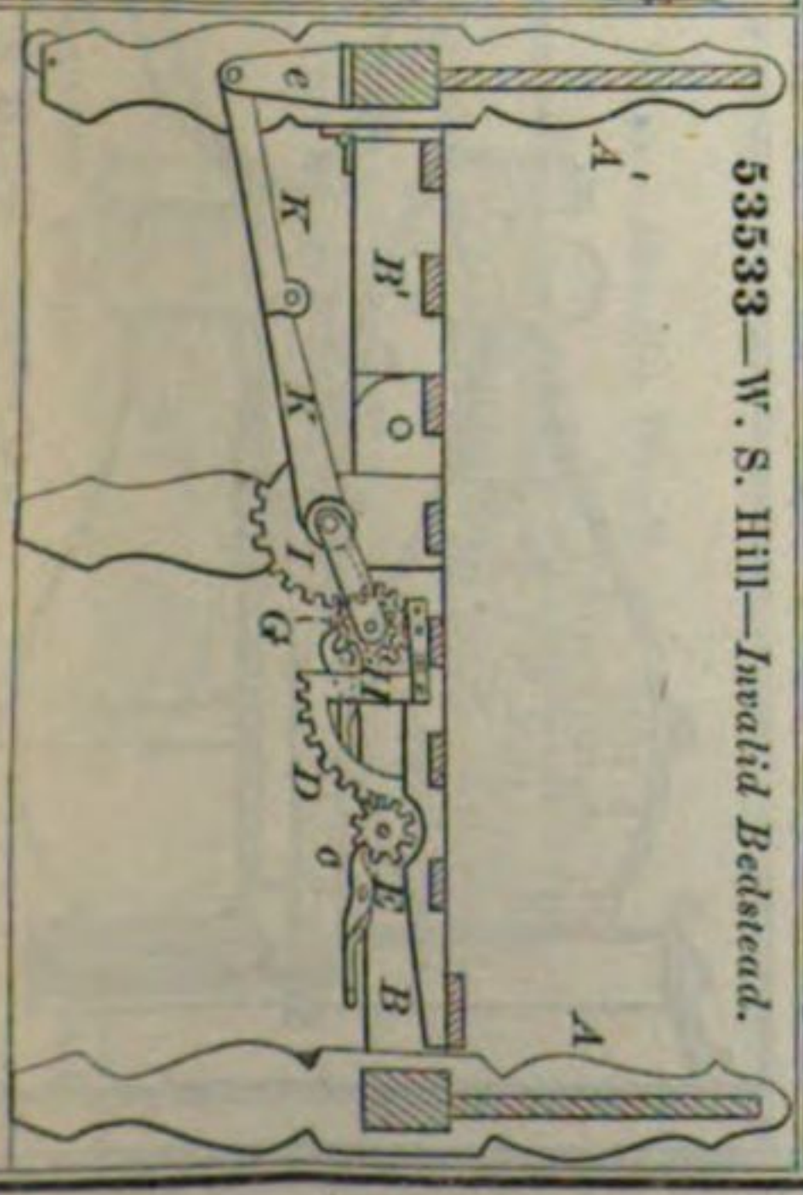
53531—Hall & Hubner—*For Making Bolts.*



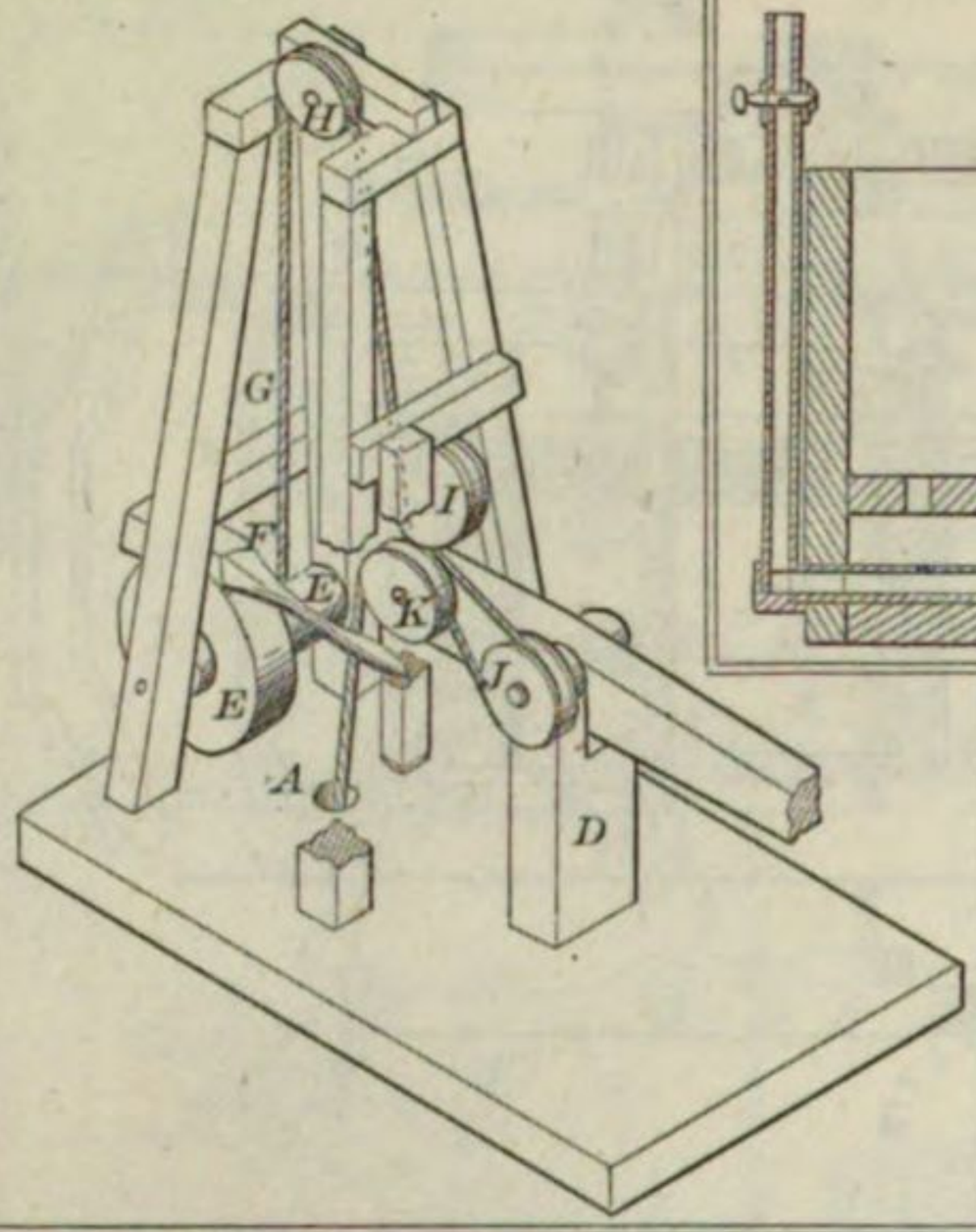
53532—A. M. Hansen—*Pump Valve.*

53533—W. S. Hill—*Invalid Bedstead.*

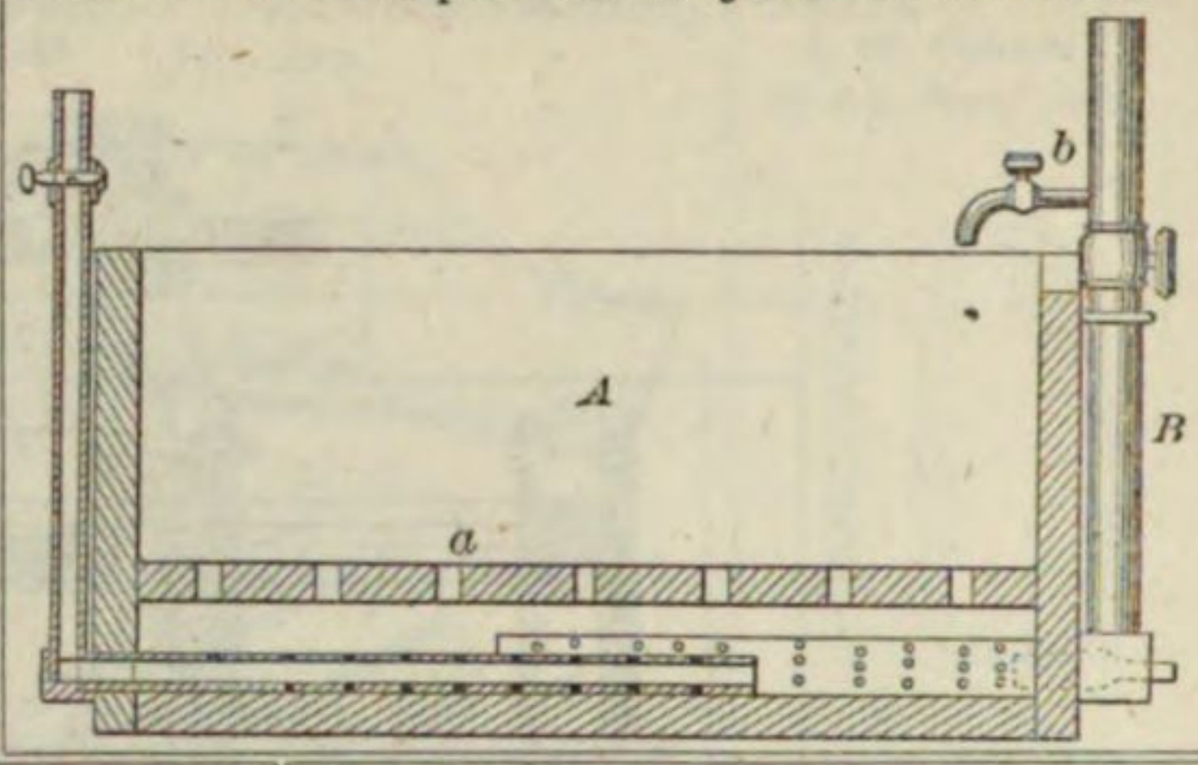




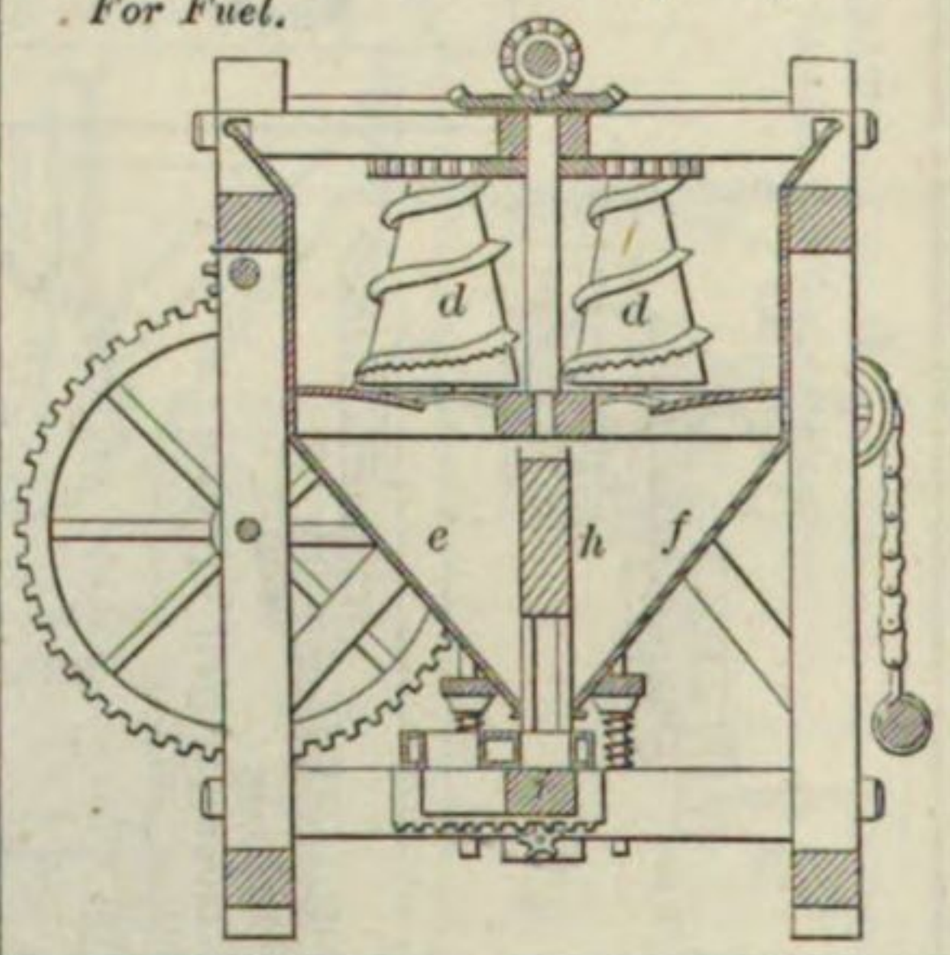
53536—T. J. Lovegrove—*Drill Feed for Artesian Wells.*



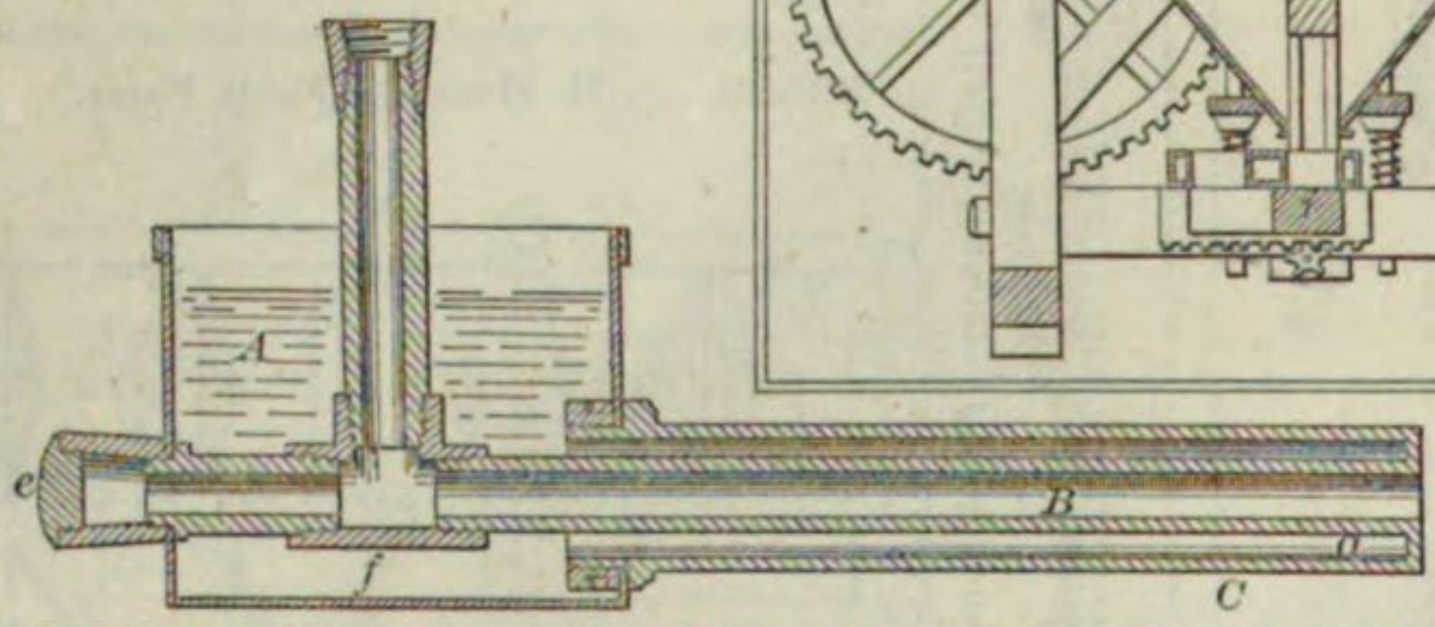
53534—G. A. Jasper—*Cleansing Animal Charcoal.*



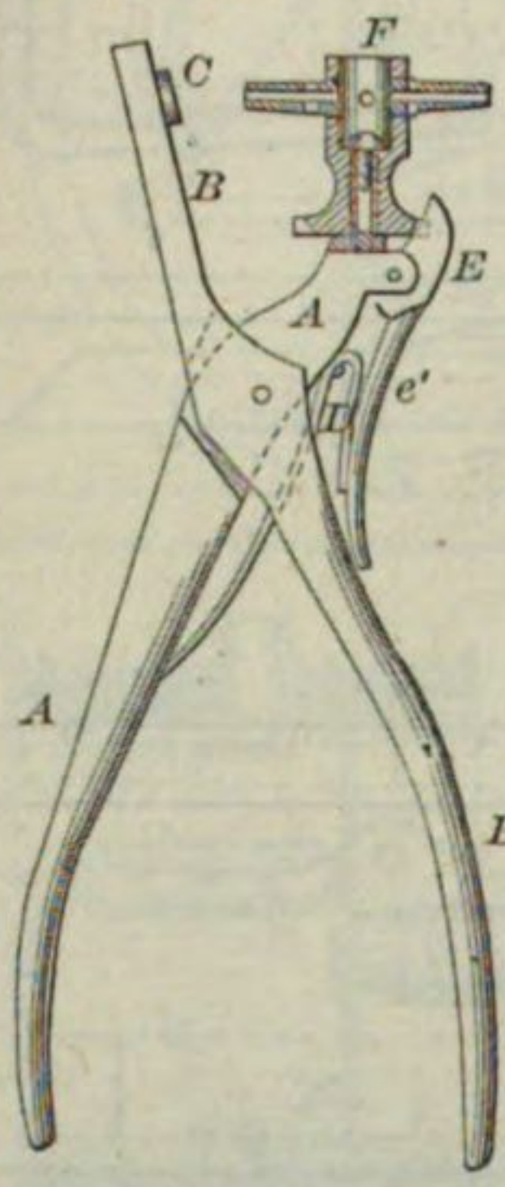
53538—S. Marden—*For Preparing Peat For Fuel.*



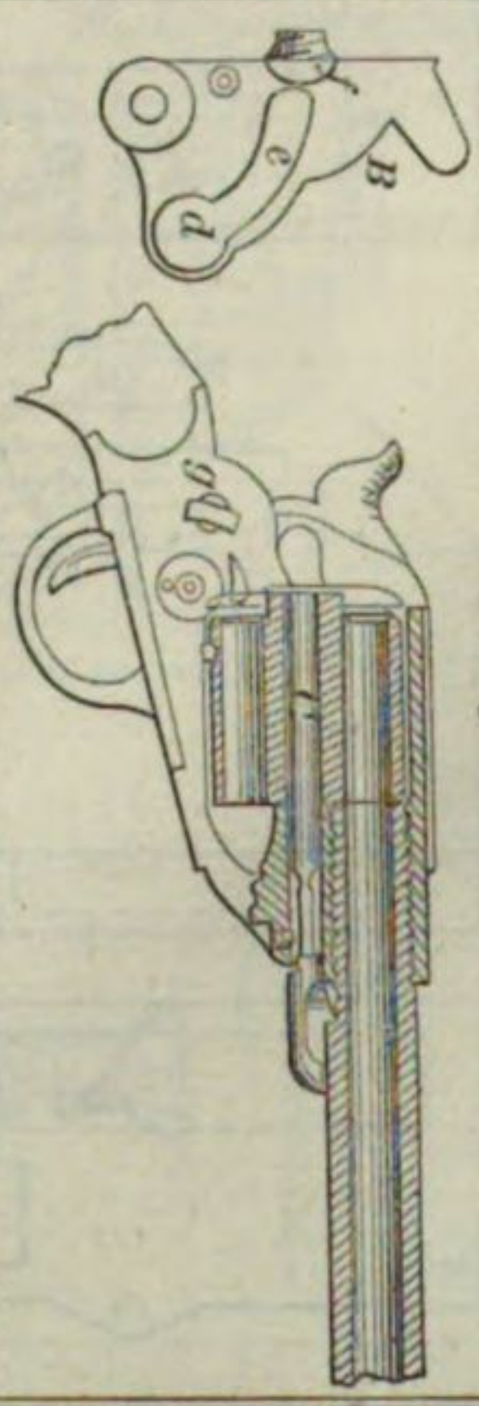
53535—R. D. Kincaid—*Tuyere.*



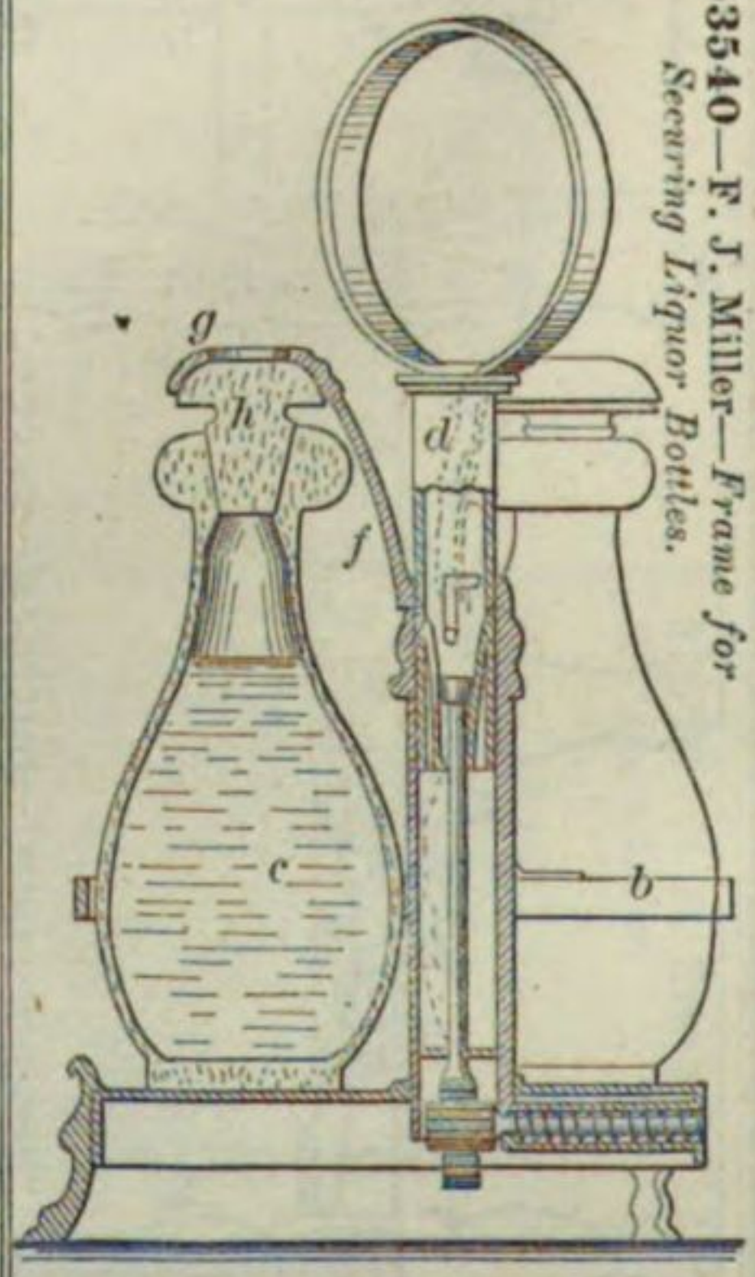
53537—J. Lyle—*Spring Punch.*



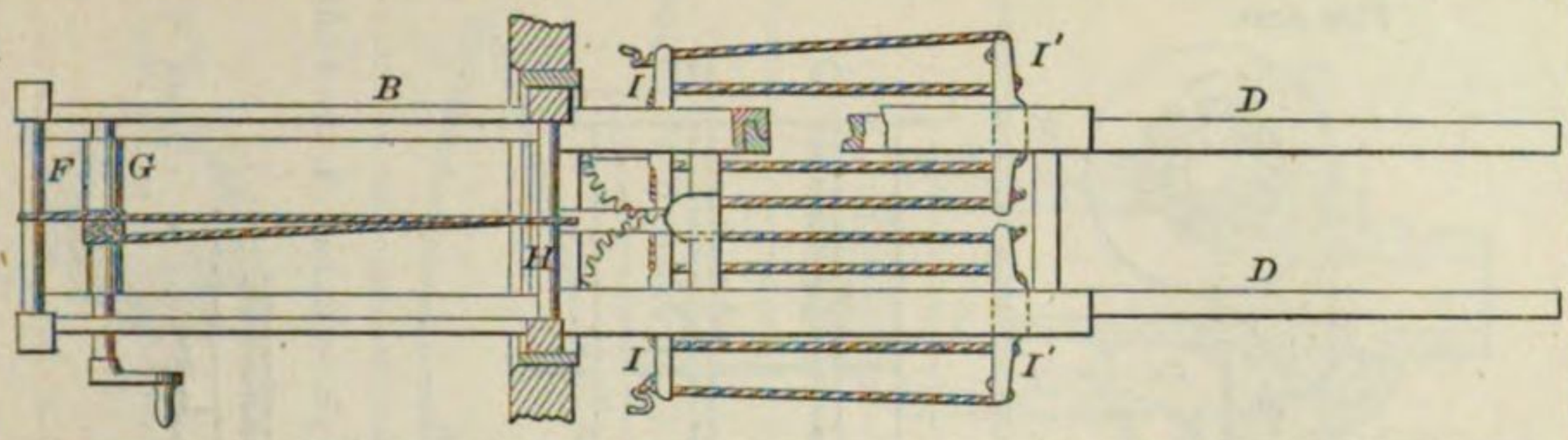
53539—W. Mason—*Revolving Fire Arm.*



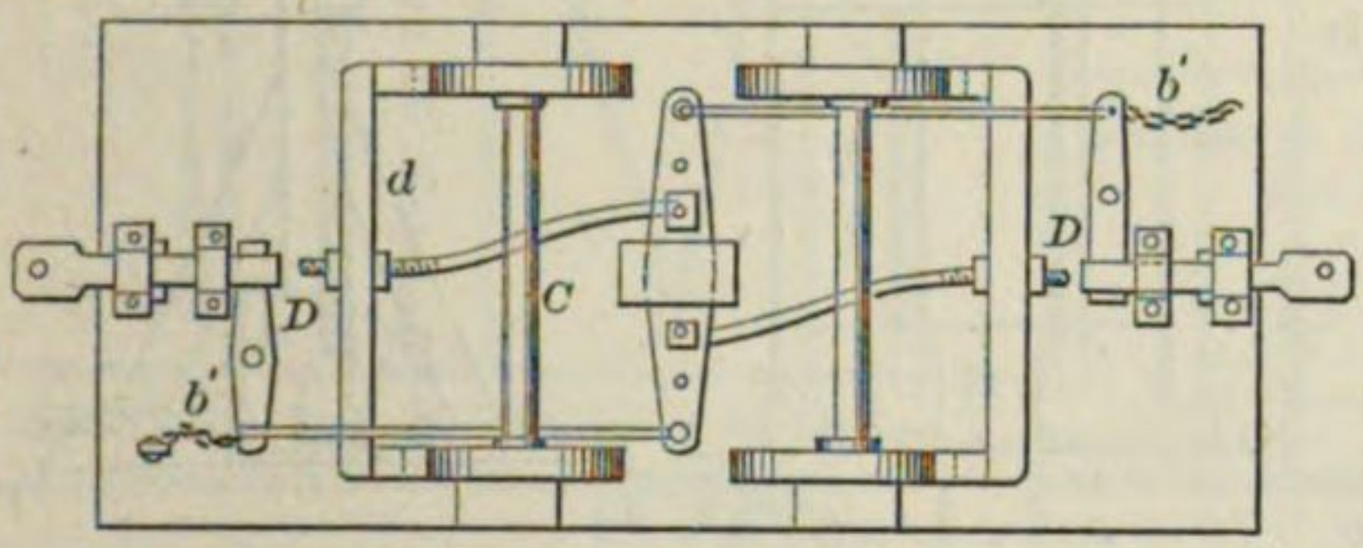
53540—F. J. Miller—*Frame for Securing Liquor Bottles.*



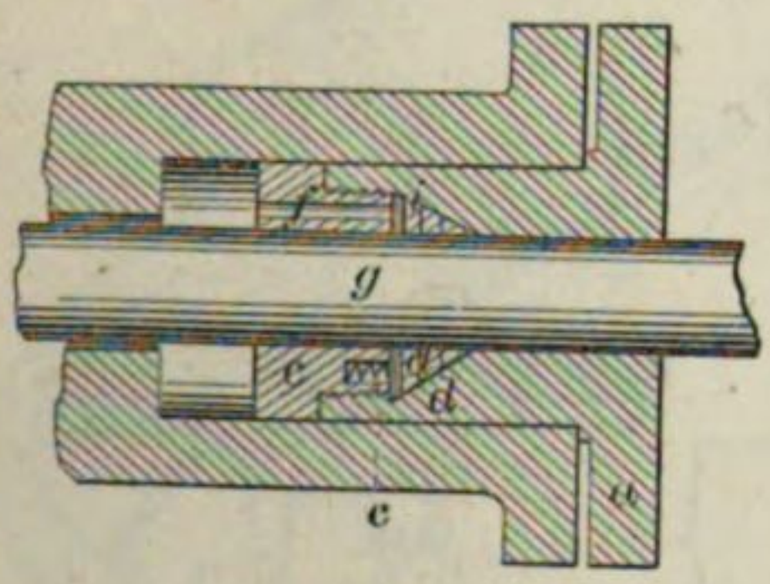
53541—S. Parker—*Clothes Dryer.*



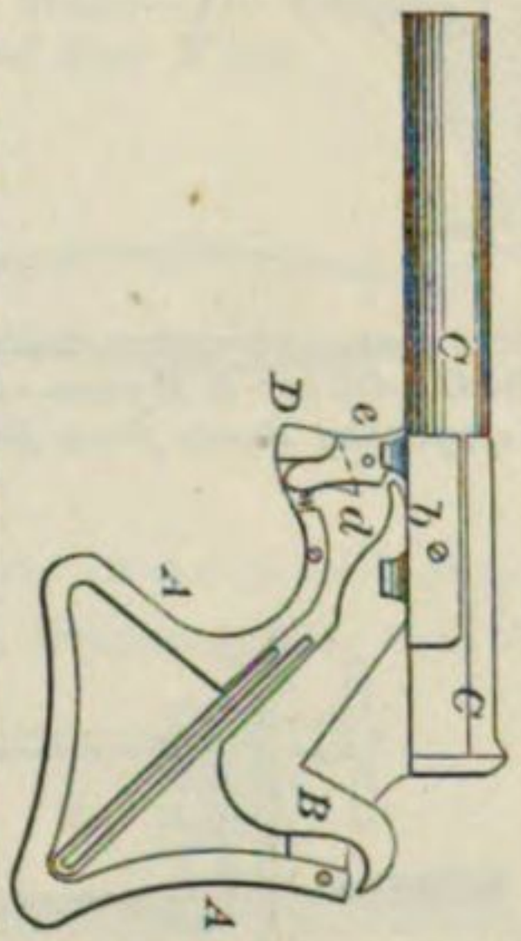
53544—D. T. Robinson—*Car Brake.*



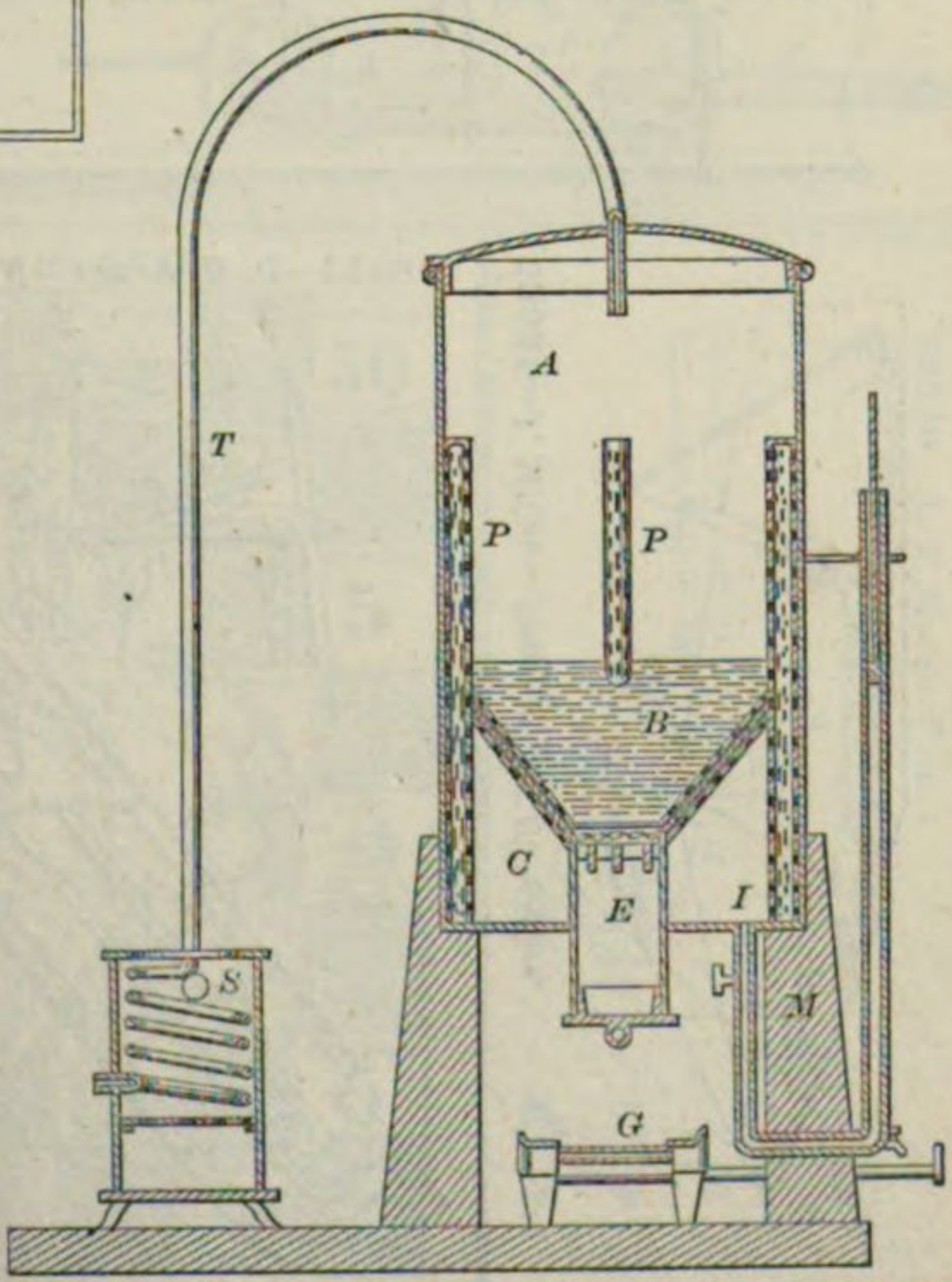
53542—E. T. Prindle—*Piston Rod Packing.*



53543—J. Rider—*Breech-Loading Fire Arm.*



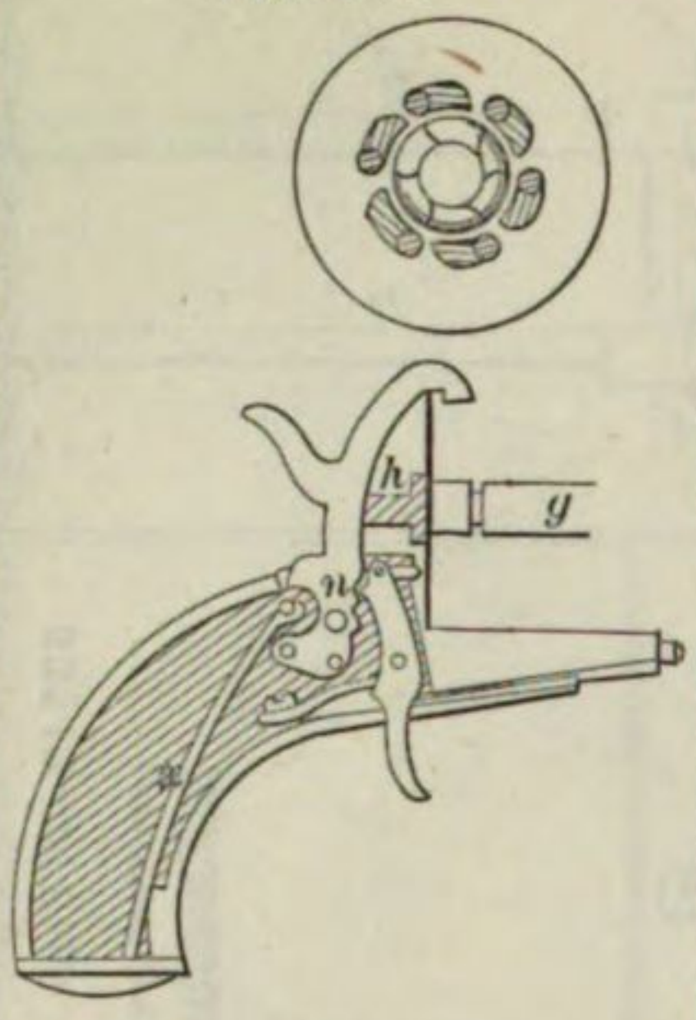
53547—H. Y. Hind—*For Preparing Peat.*



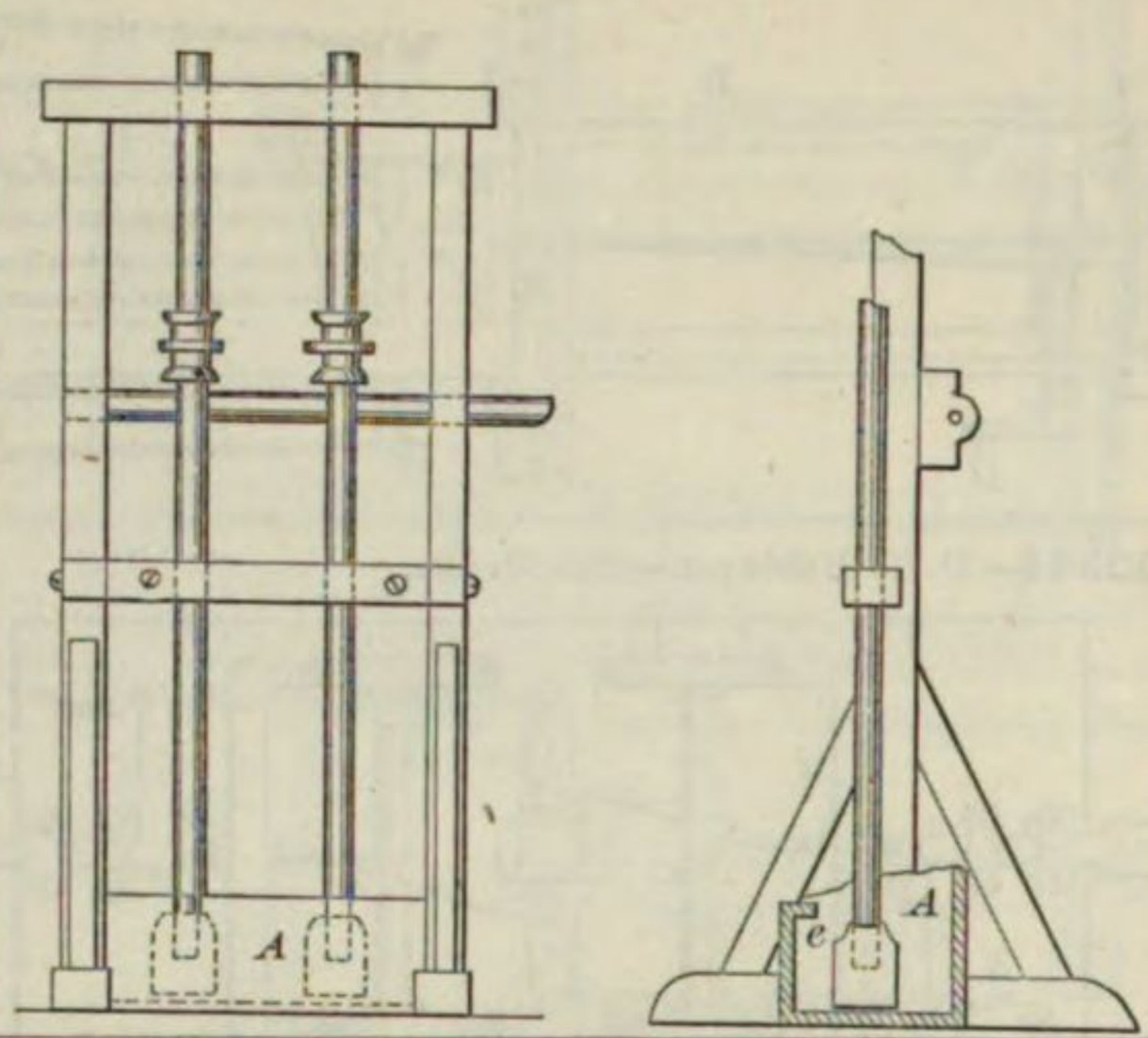
53546—L. S. White—*Metallic Handle for Cutlery.*

53545—J. H. Trowbridge—*Soldering Iron.*

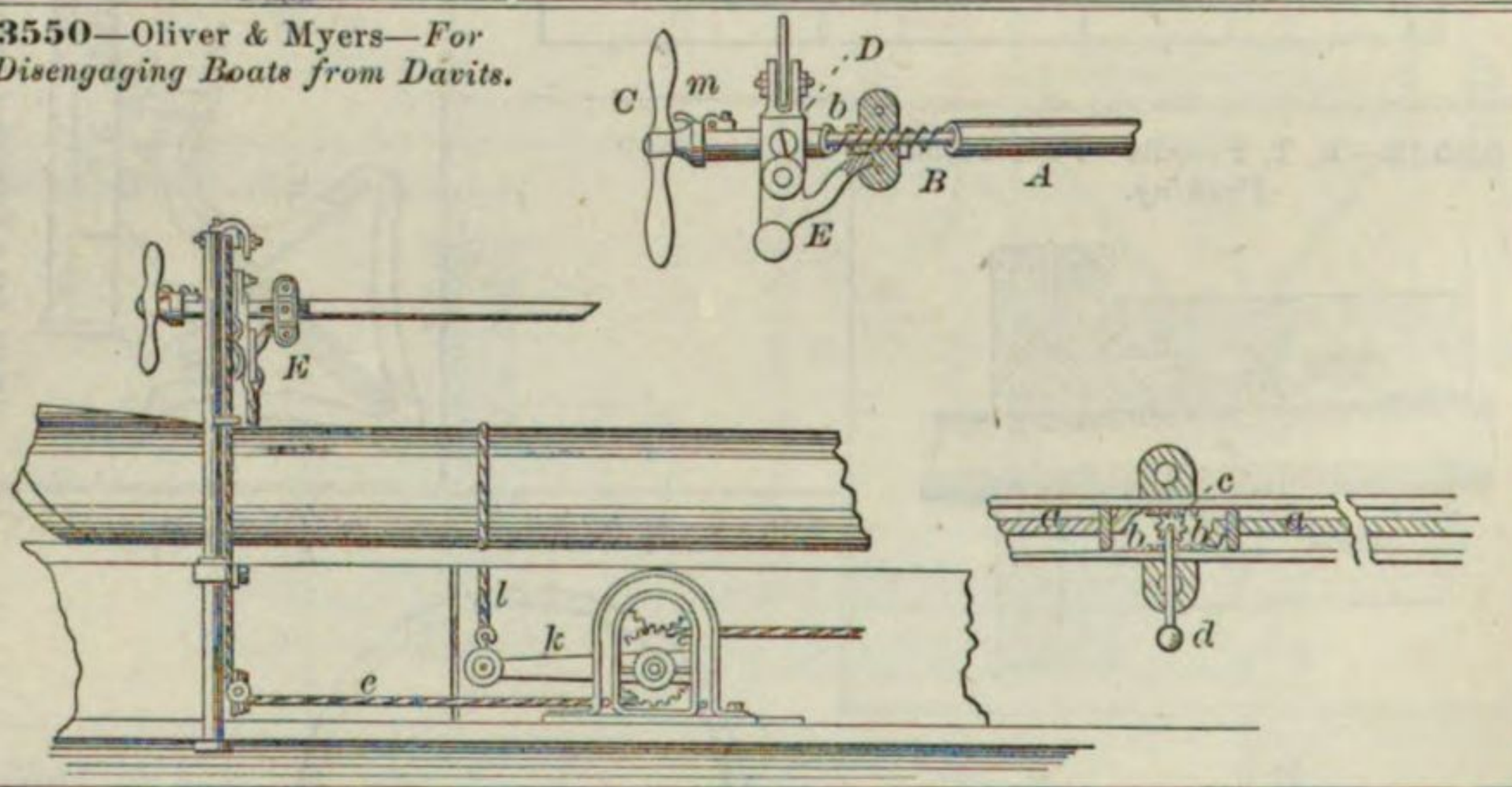
53548—P. Polain—*Revolving Fire Arm.*



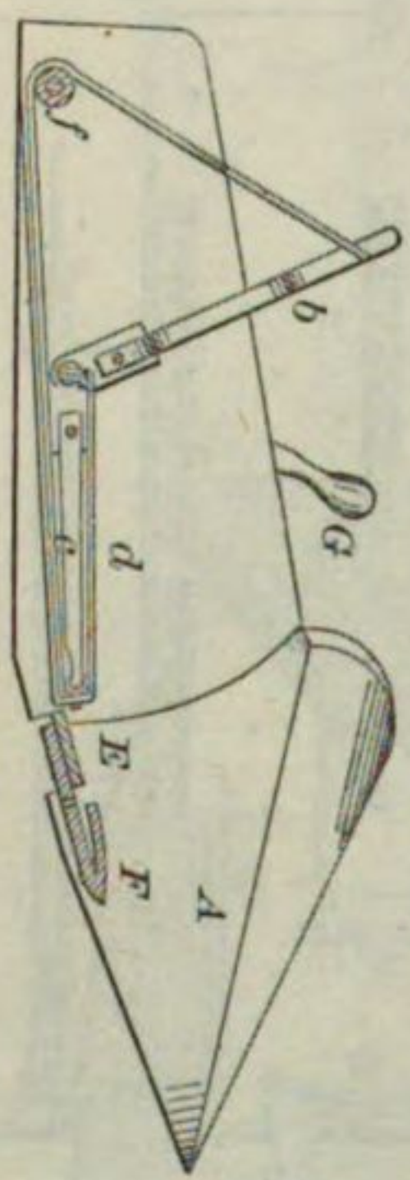
53552—S. F. Ambler—*Quartz Crusher.*



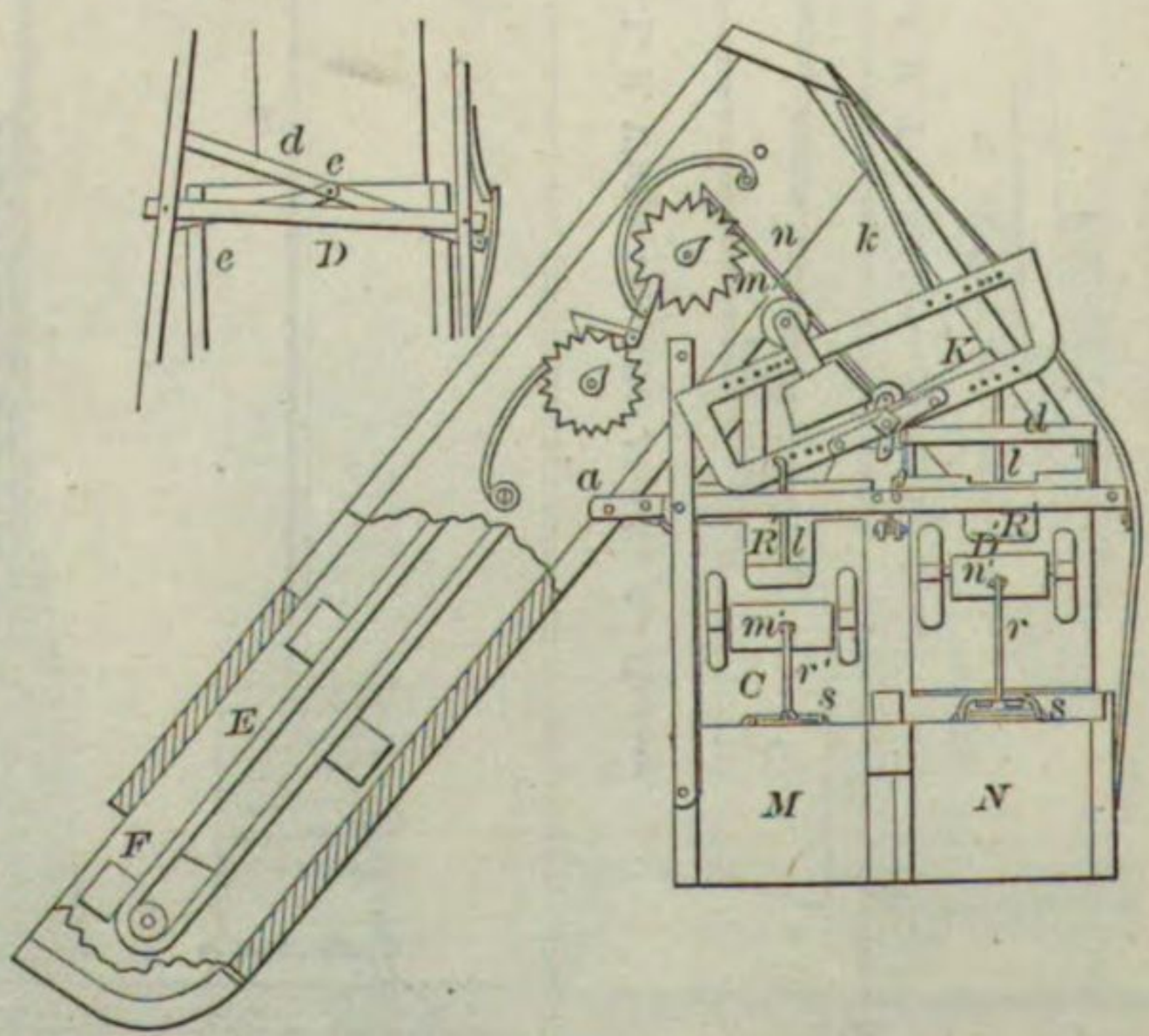
53550—Oliver & Myers—*For Disengaging Boats from Davits.*



53551—J. Miller—*Dropper for Harvesters.*

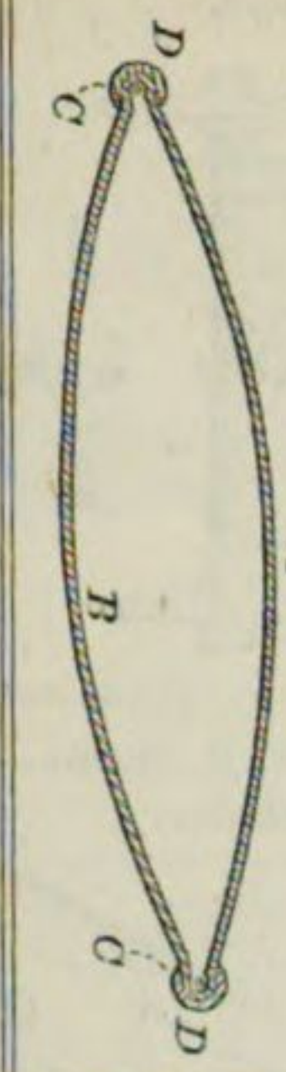


53553—D. D. Armes—*Weighing and Measuring Grain.*



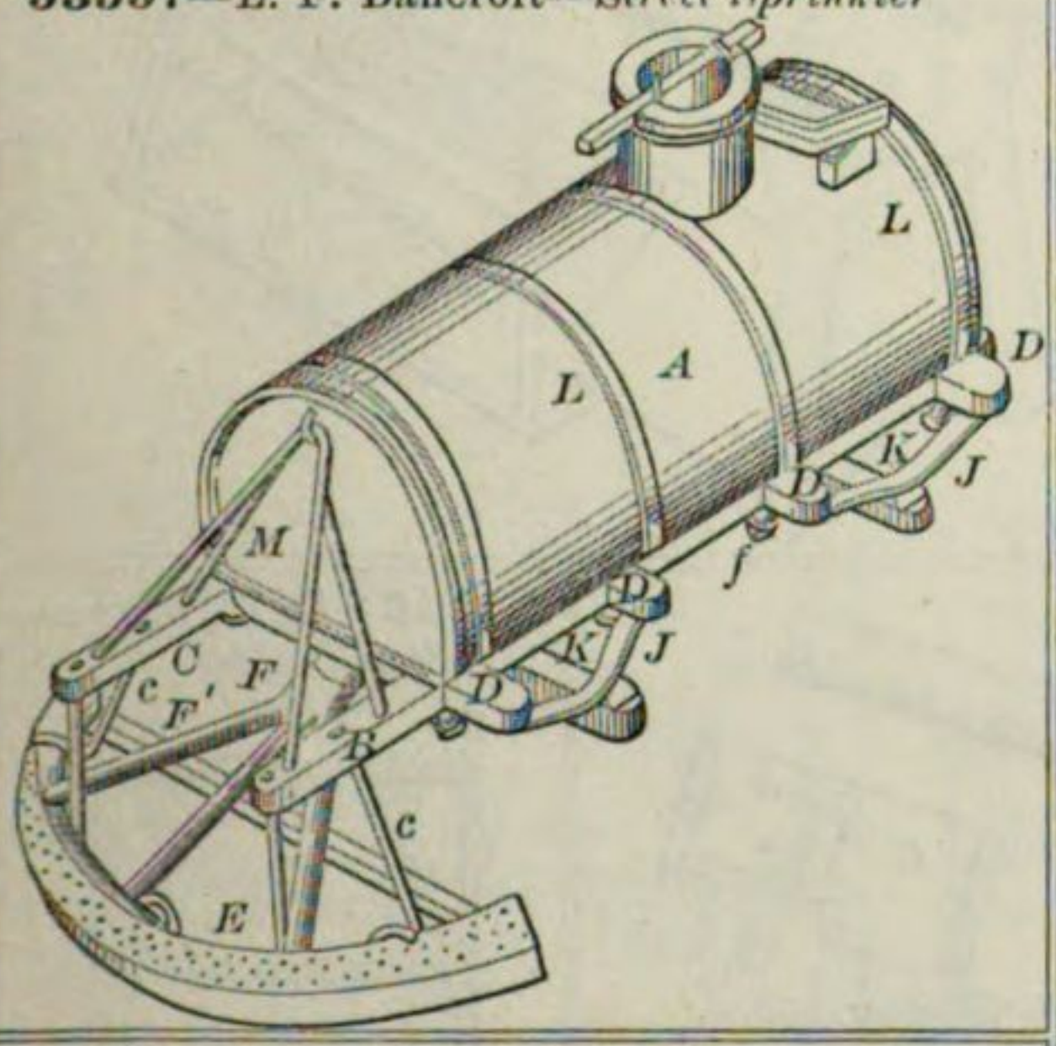
53554—E. F. Badgley—*Safeguard for Watches.*

53556—M. L. Ballard—*Carriage Spring, &c.*

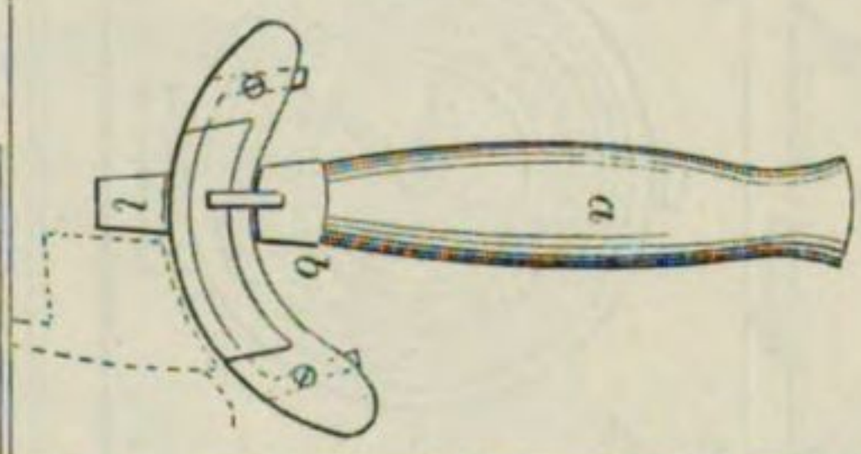


53555—P. Ball—*Gauge Cock.*

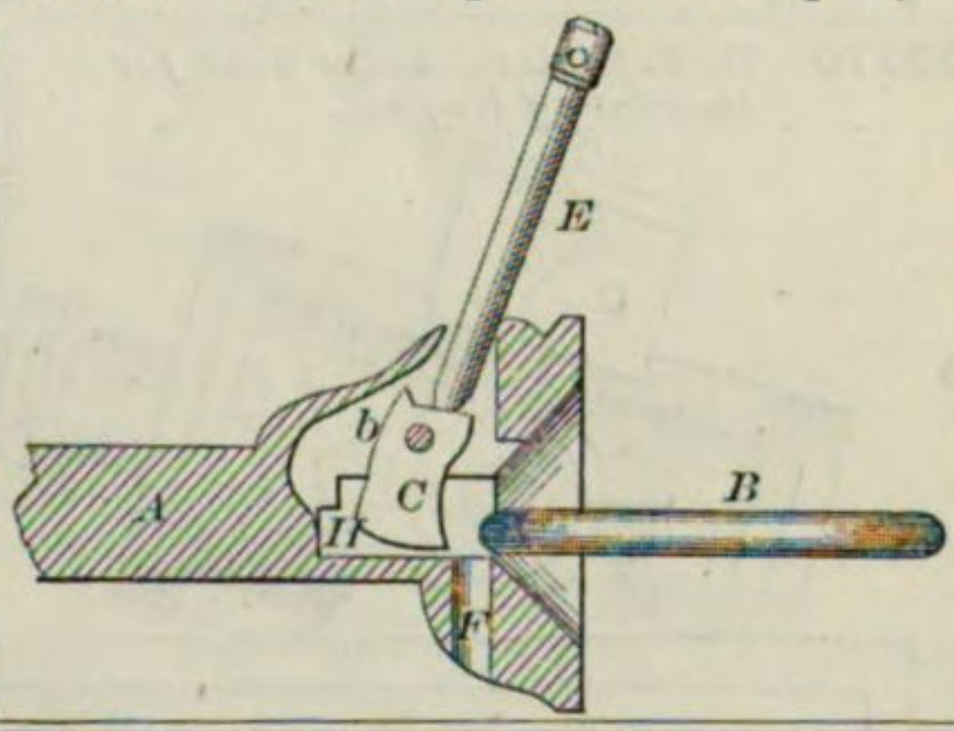
53557—L. F. Bancroft—*Street Sprinkler*



53558—S. C. Bedell—*For Trimming Boot and Shoe Heels.*

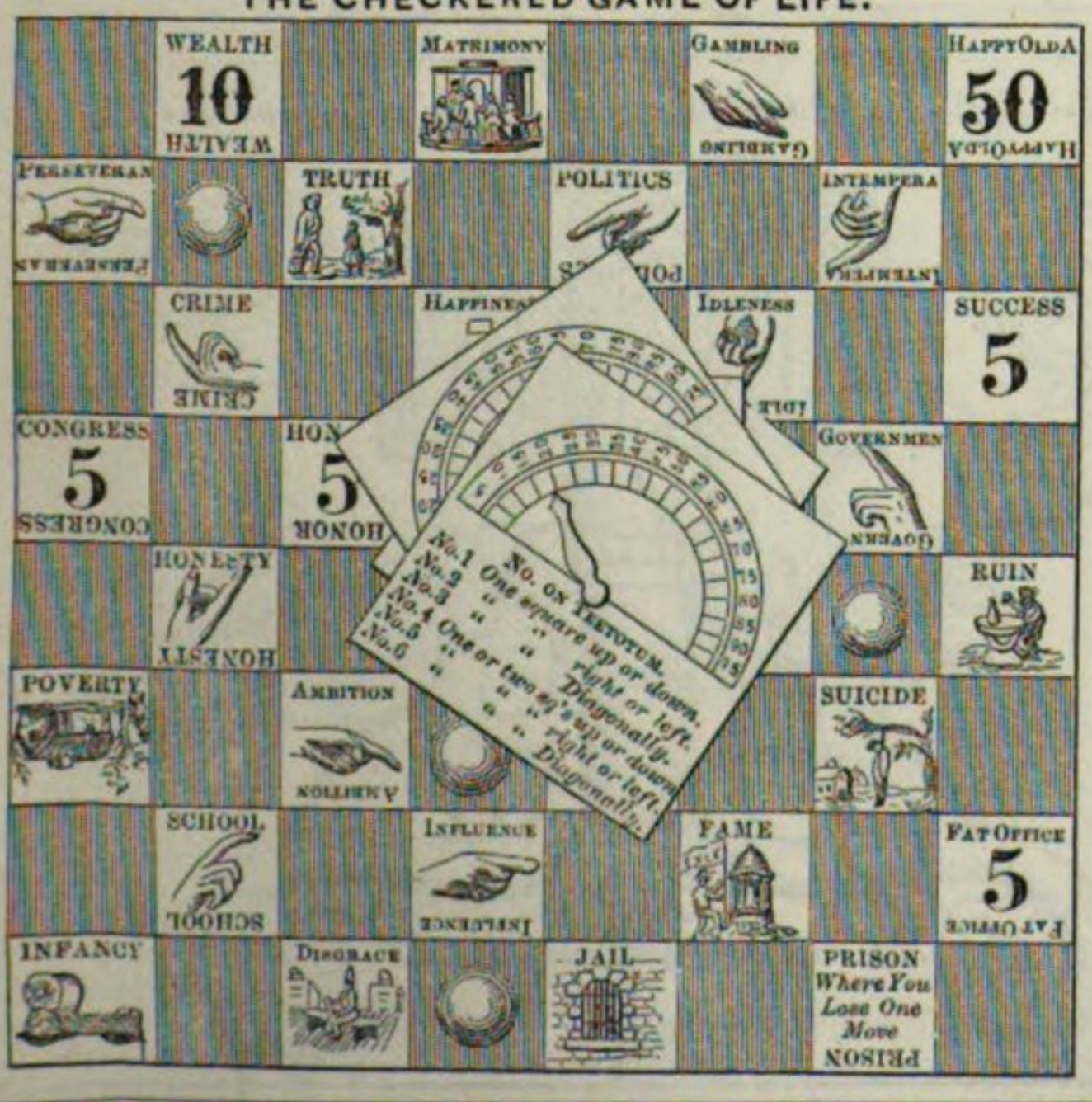


53560—J. W. Boughton—*Car Coupling.*

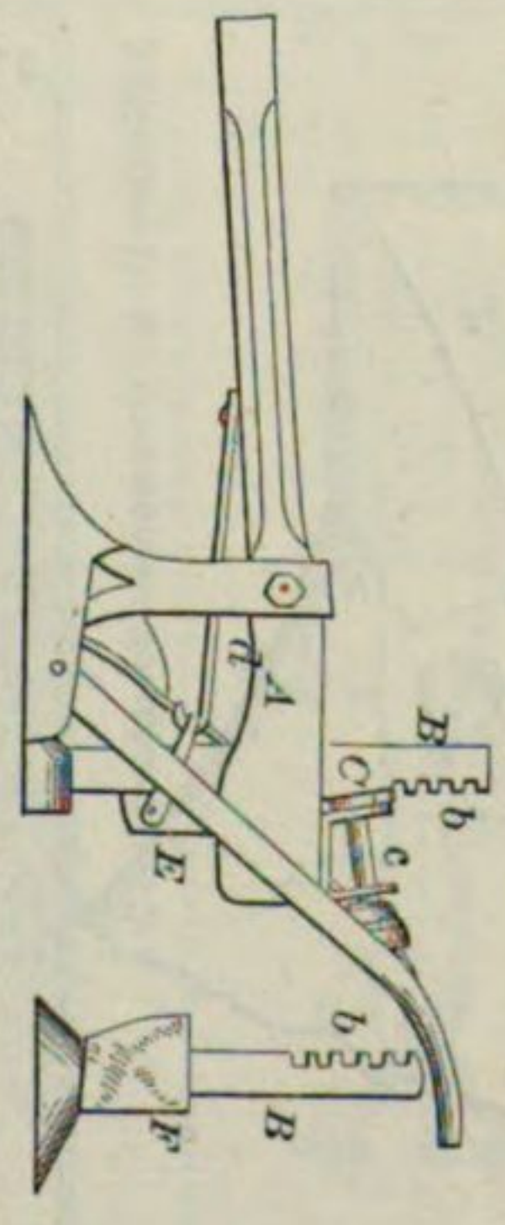


53561—M. Bradley—*Social Game.*

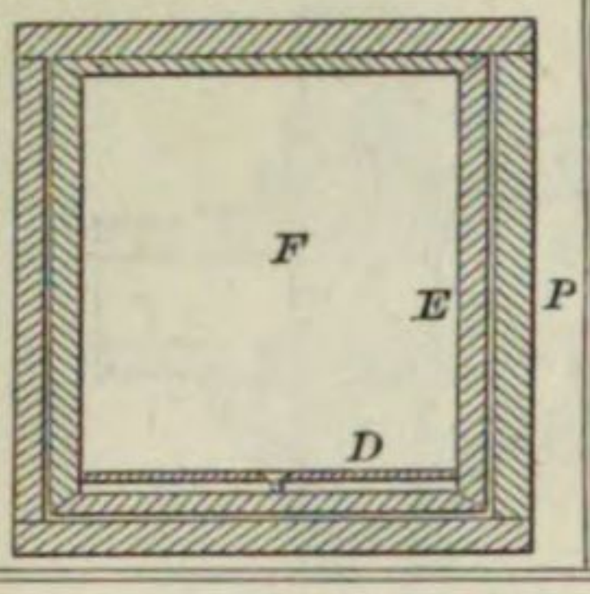
THE CHECKERED GAME OF LIFE.



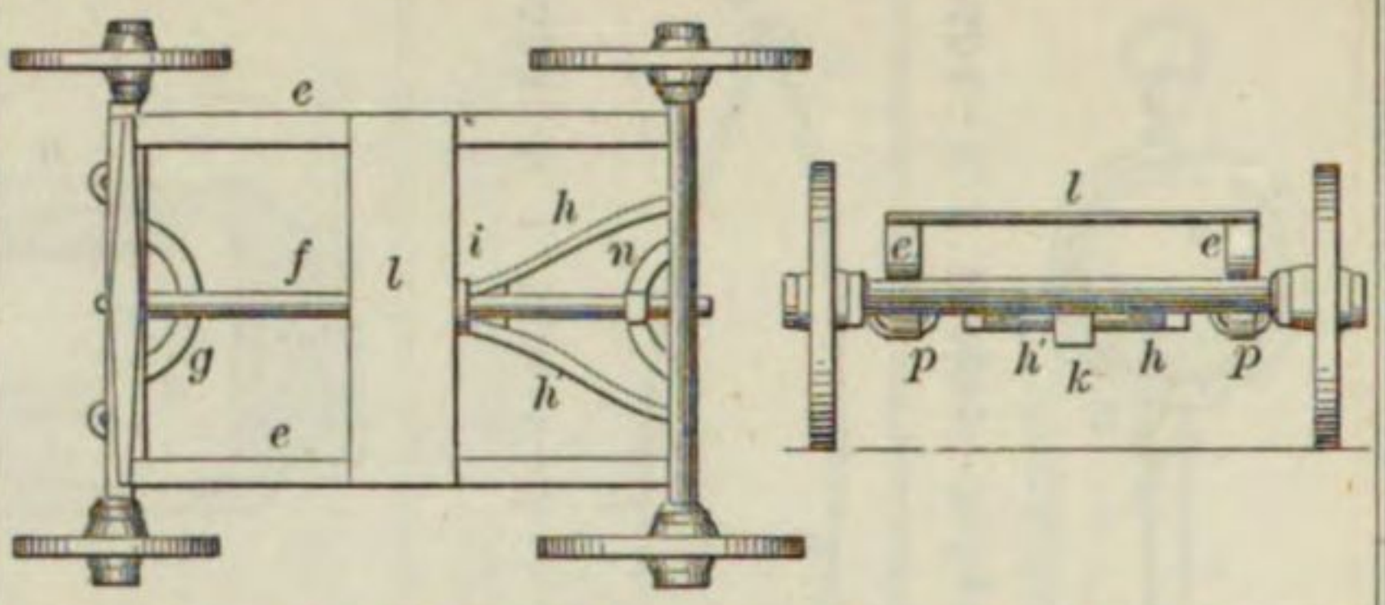
53559—A. T. Boon—*Plow.*



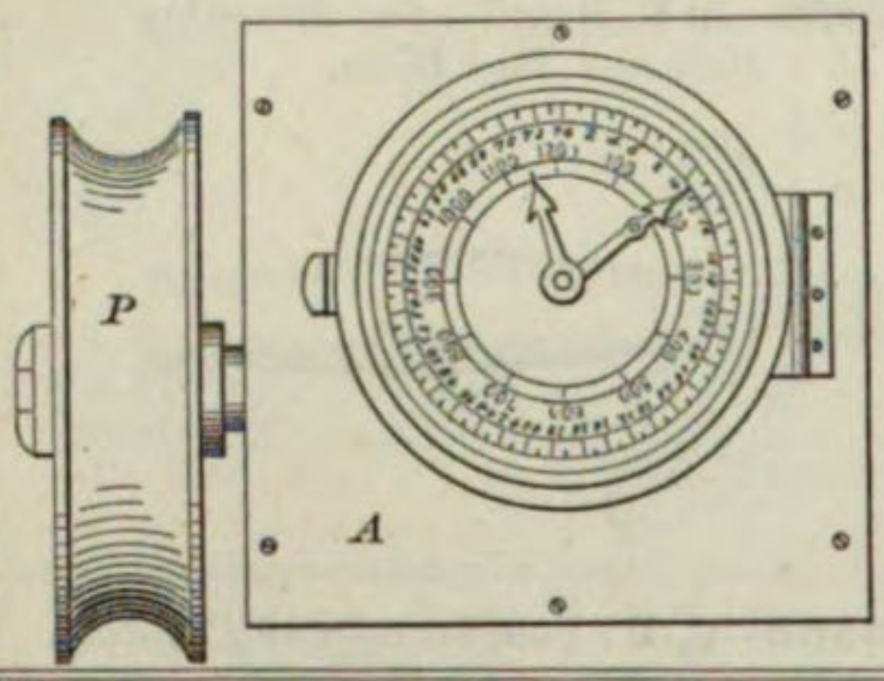
53562—W. H. Bramble—*Letter Box.*



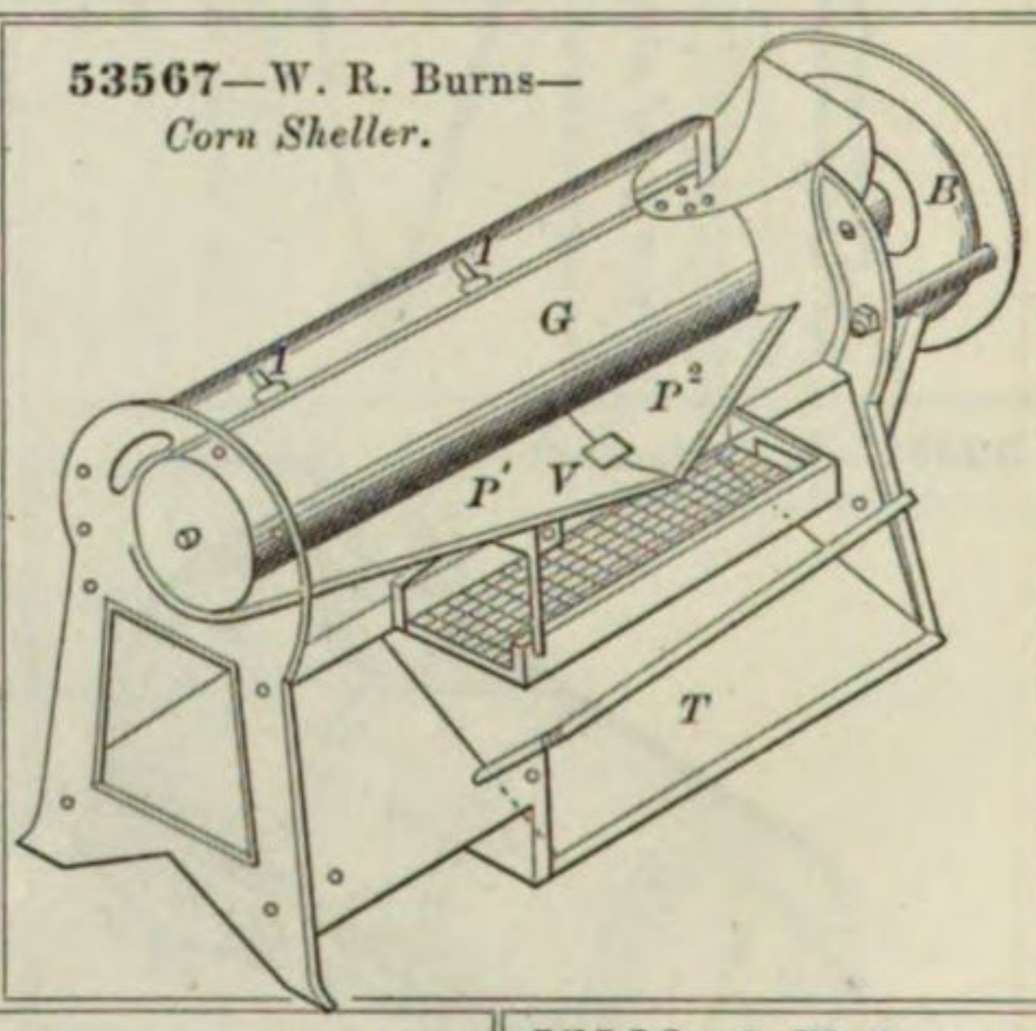
53568—C. T. Bush—*Carriage.*



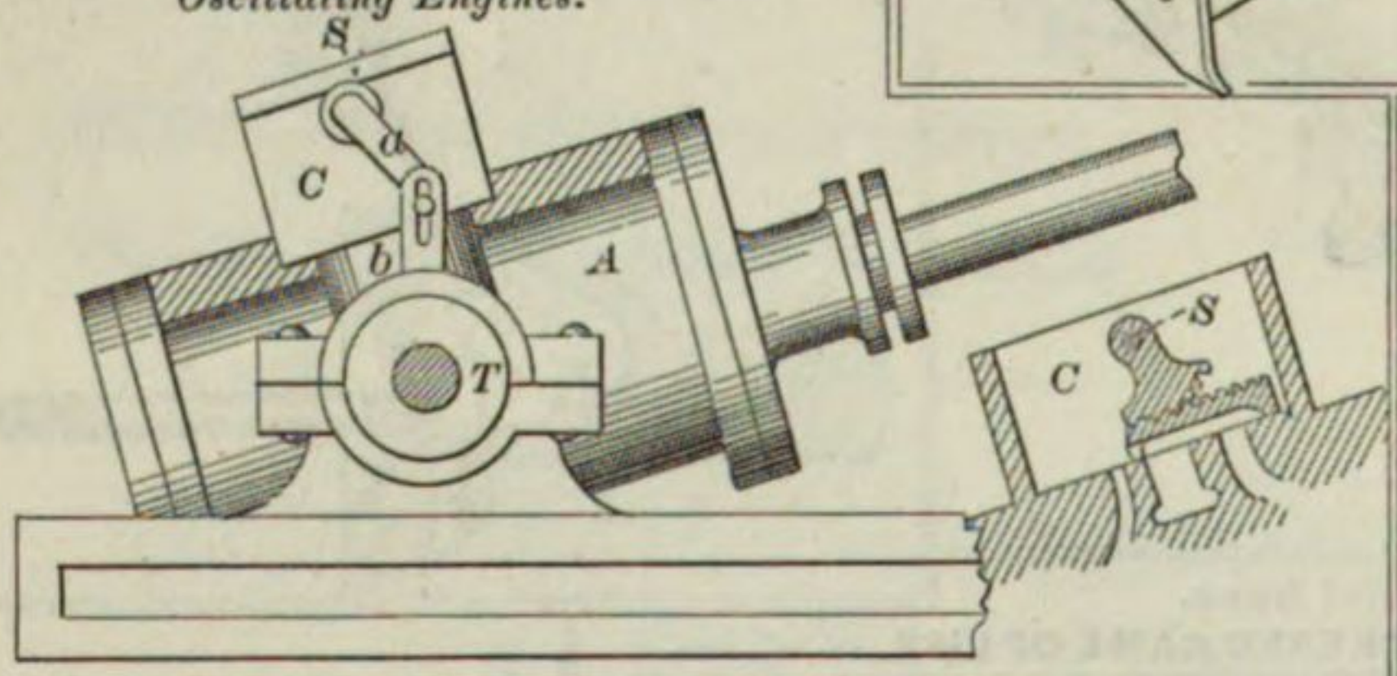
53564—L. C. Bristol—*Drill Cable Meter.*



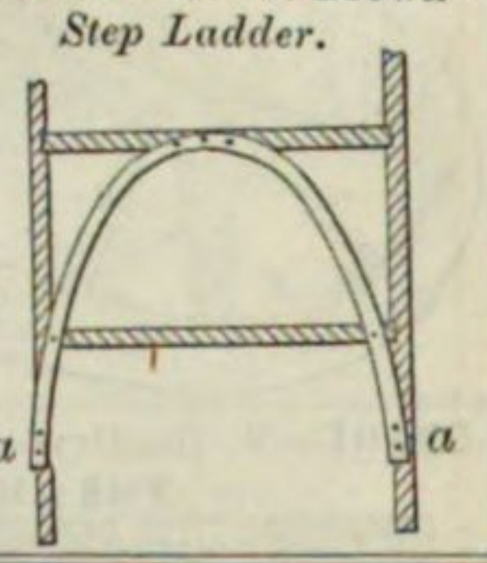
53567—W. R. Burns—*Corn Sheller.*



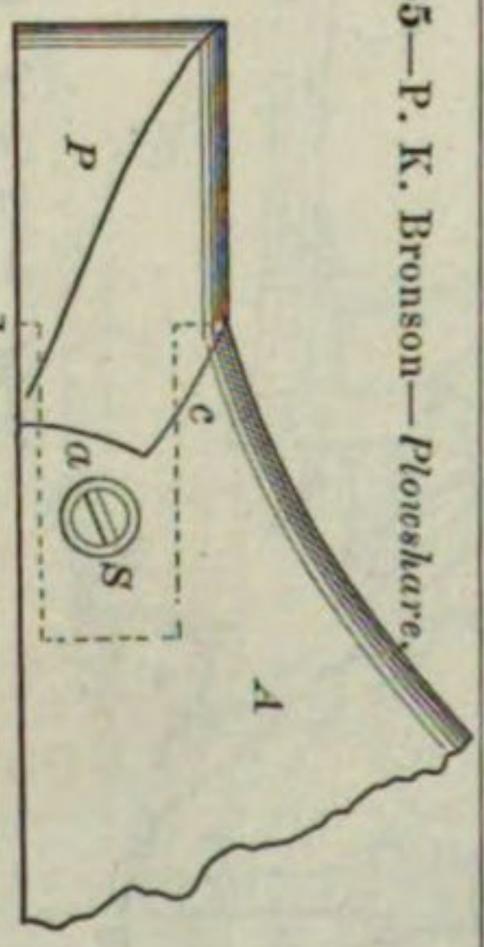
53570—H. T. Carter—*Valve Gear for Oscillating Engines.*



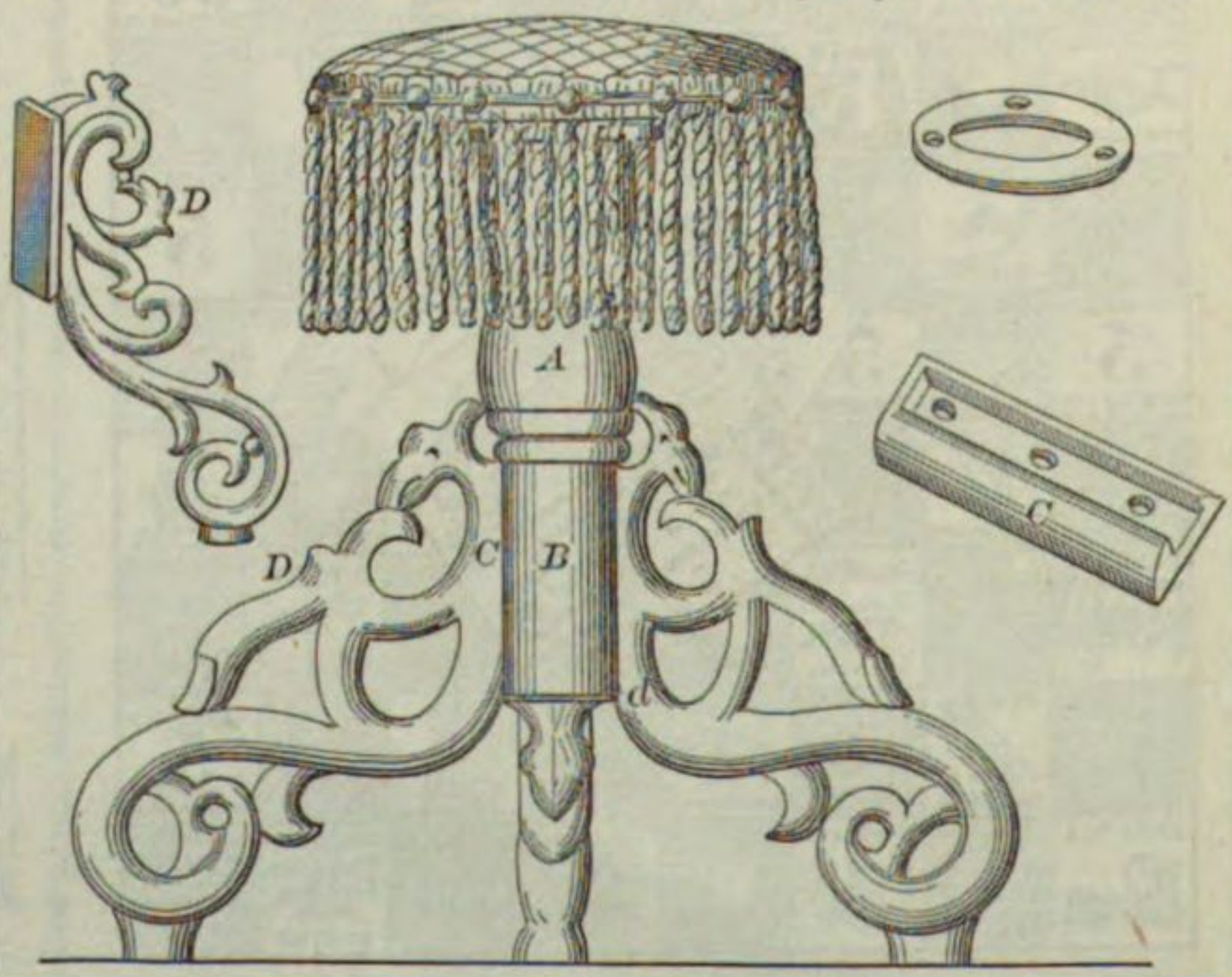
53566—C. W. Brown—*Step Ladder.*



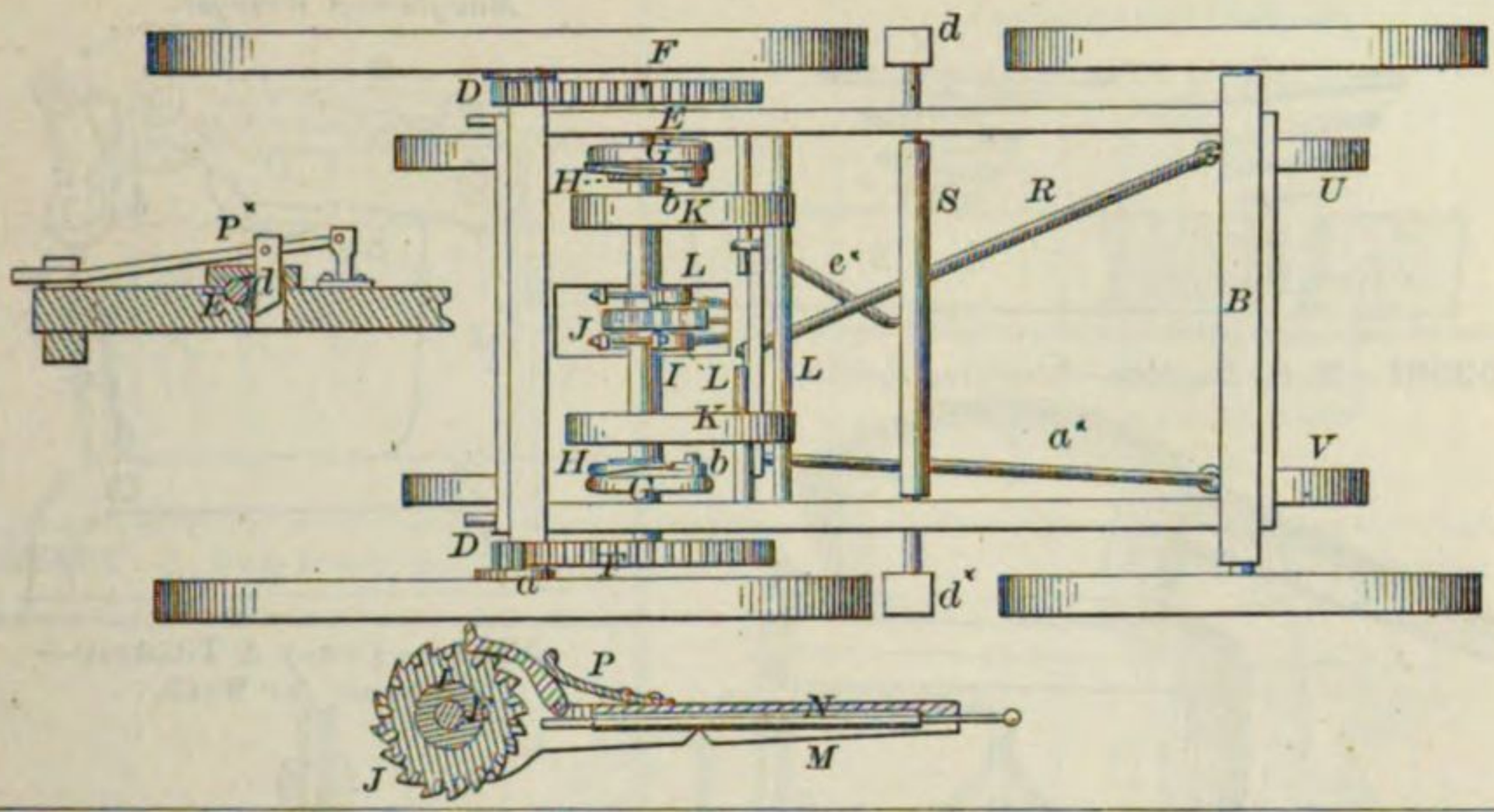
53565—P. K. Bronson—*Ploughshare.*



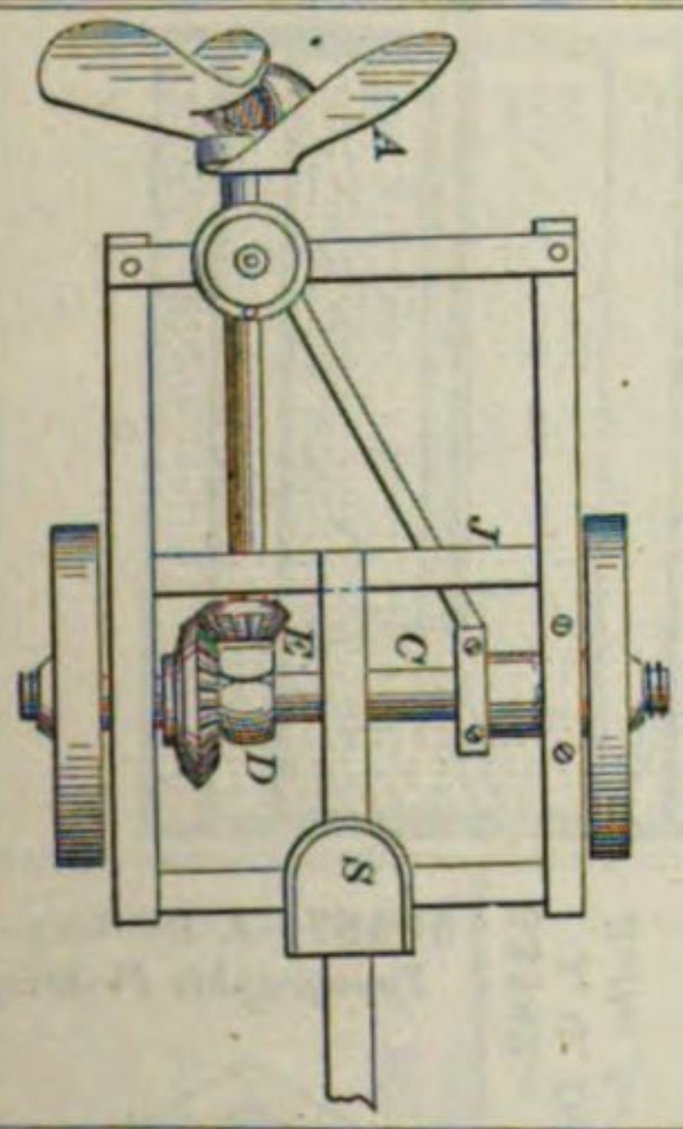
53571—E. D. Castelow—*Means of Attaching Legs to Music Stools.*



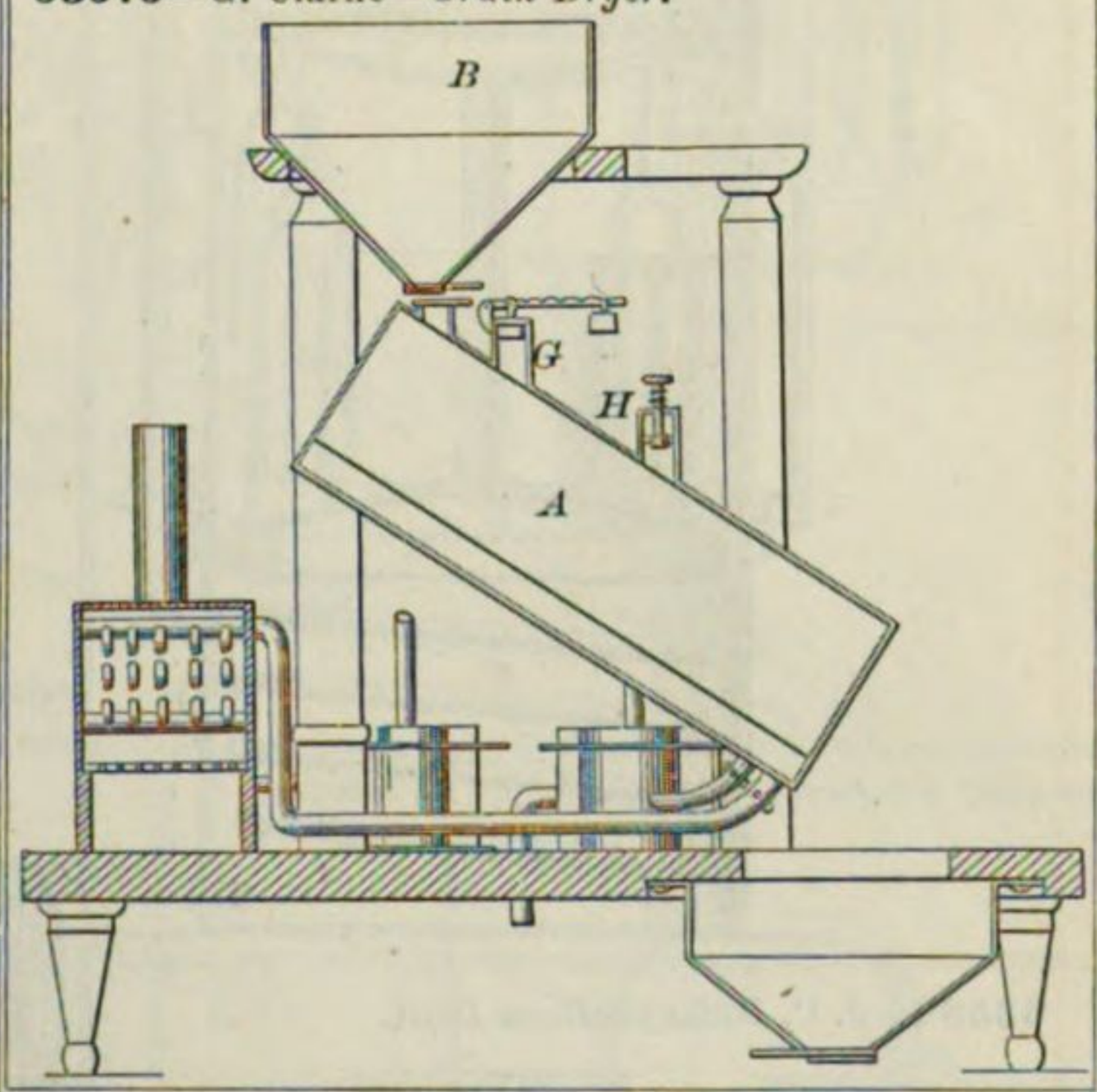
53572—W. K. Chase—*Spring Power for Propelling Carriages.*



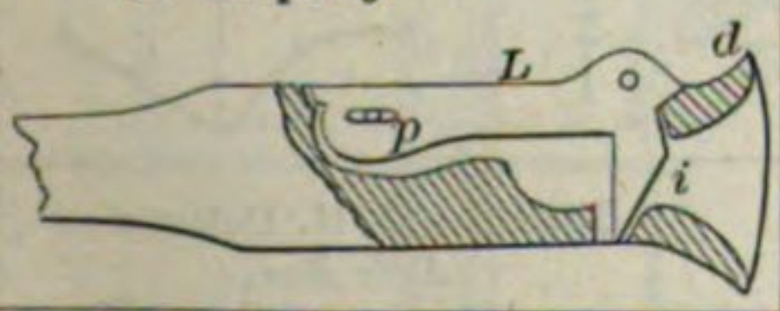
53577—L. H. Colburn—*Rotary Plow.*



53575—G. Clarke—*Grain Dryer.*

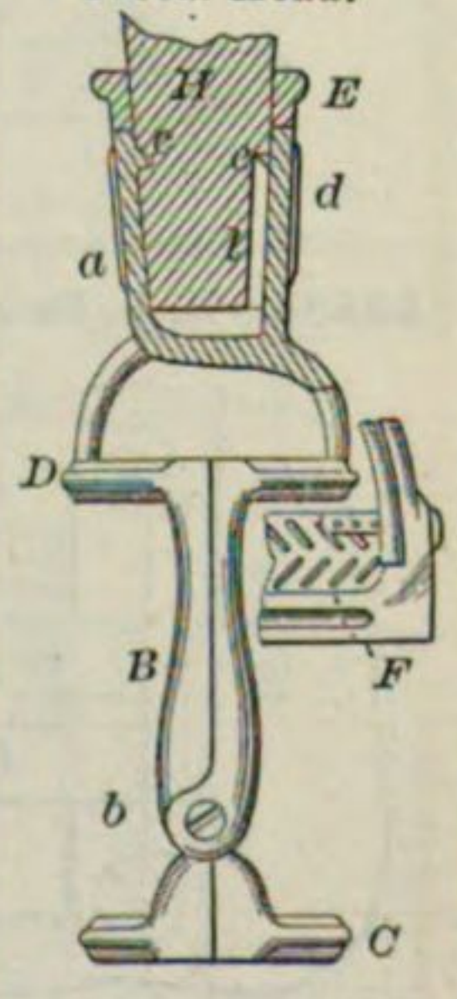


53574—T. J. Christy—
Car Coupling.

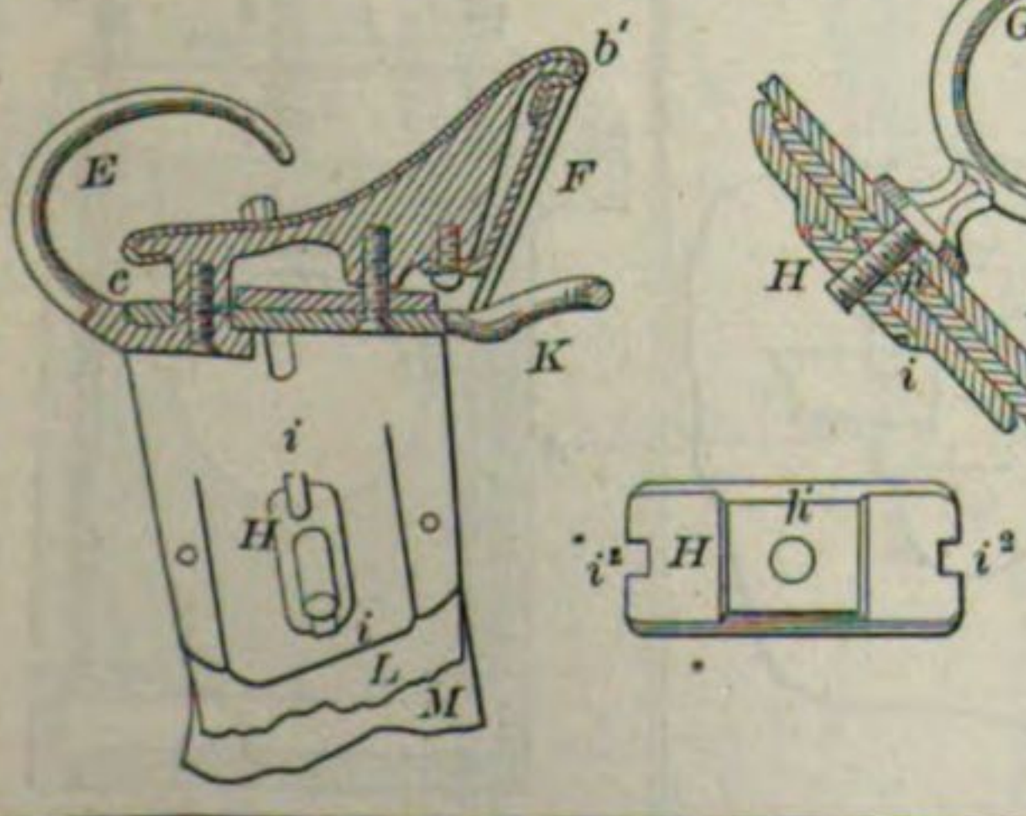


53573—G. W. Chipman—*Stair Carpet Pad.*

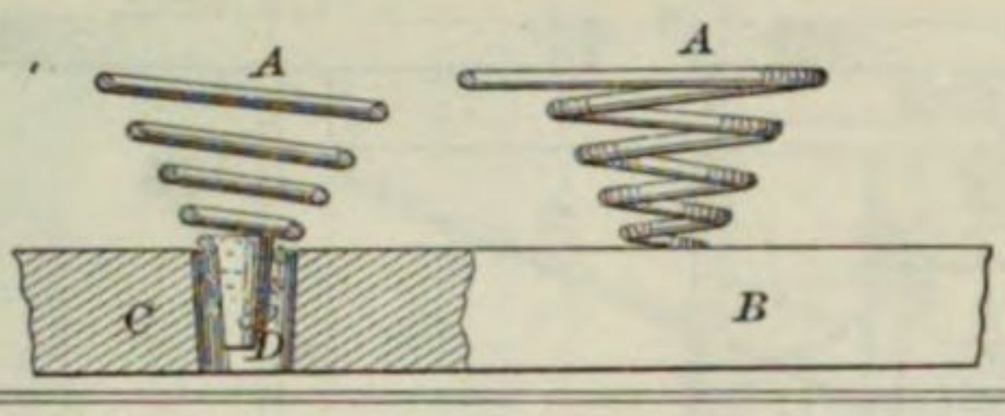
53576—J. O. Clay—
Broom Head.



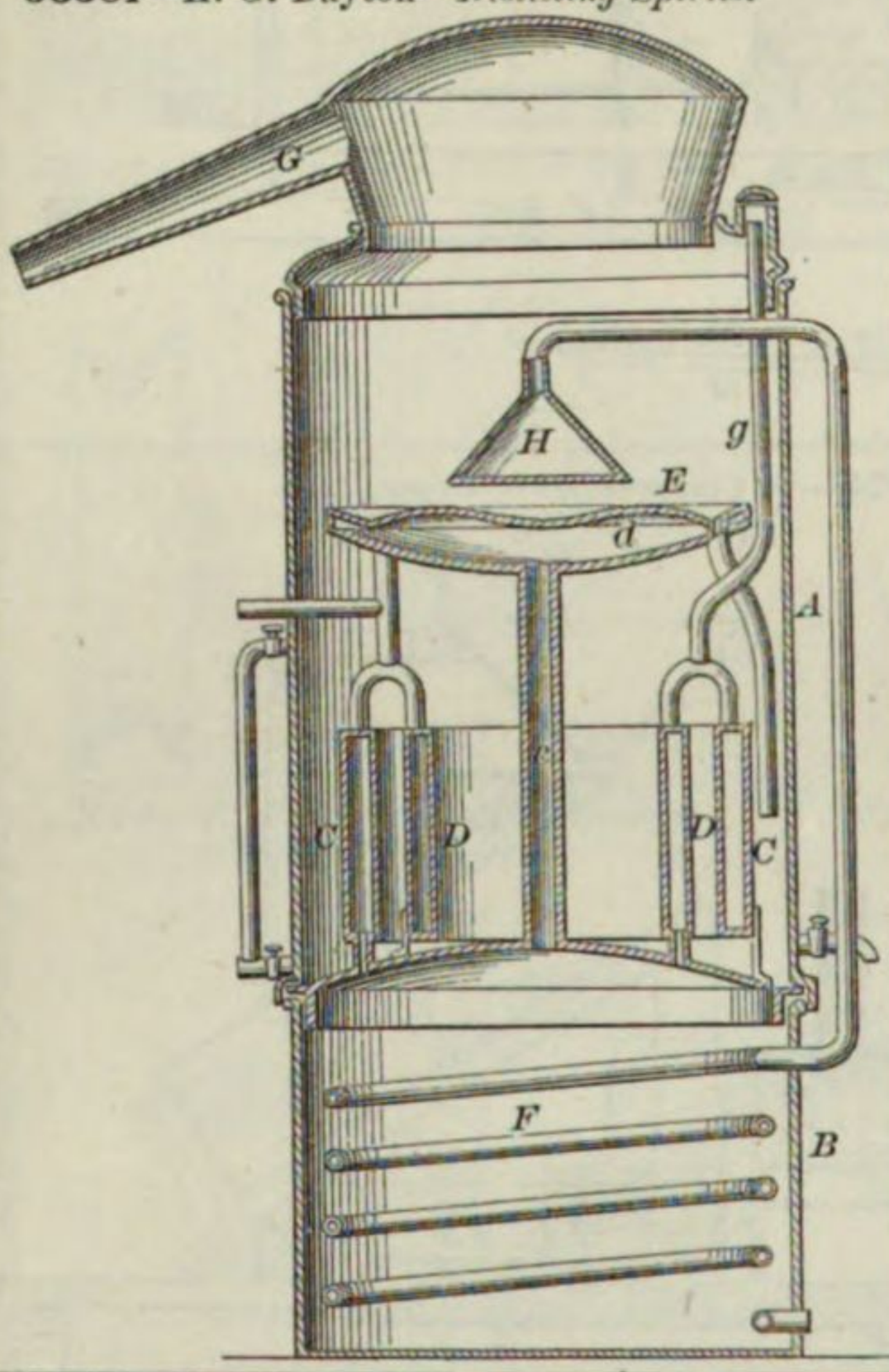
53578—E. A. Cooper—*Gig Tree*



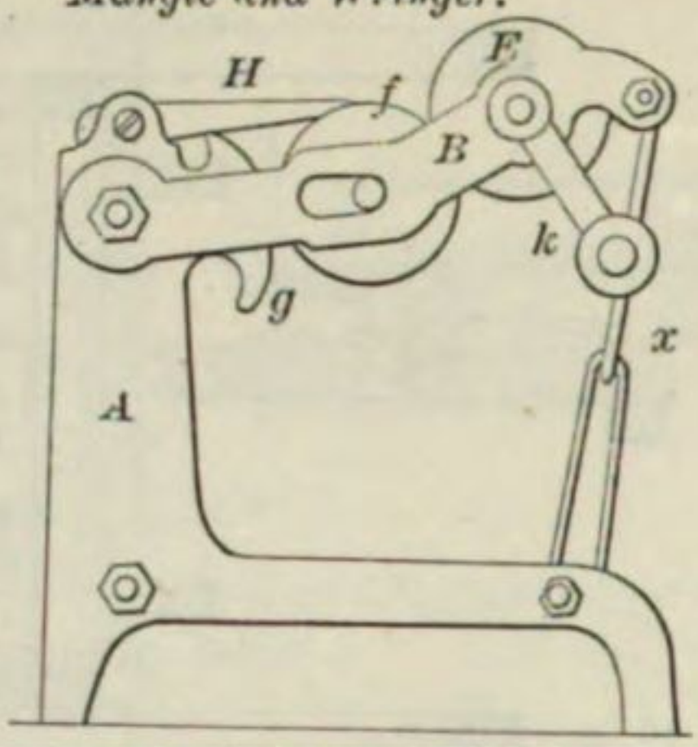
53579—D. V. Crandall—*Bed Spring.*



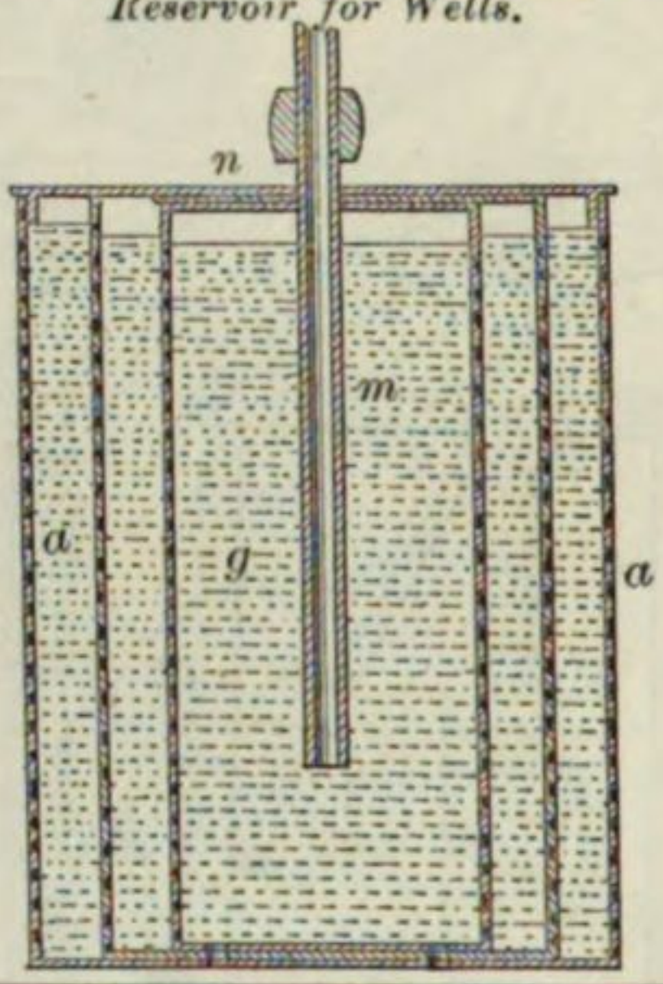
53581—H. G. Dayton—*Distilling Spirits.*



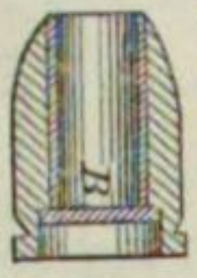
53580—D. Cumming, Jr.—
Mangle and Wringer.



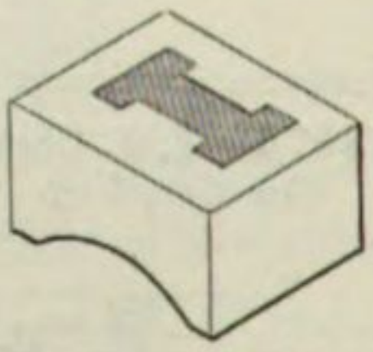
53584—Dewey & Tillotson—
Reservoir for Wells.



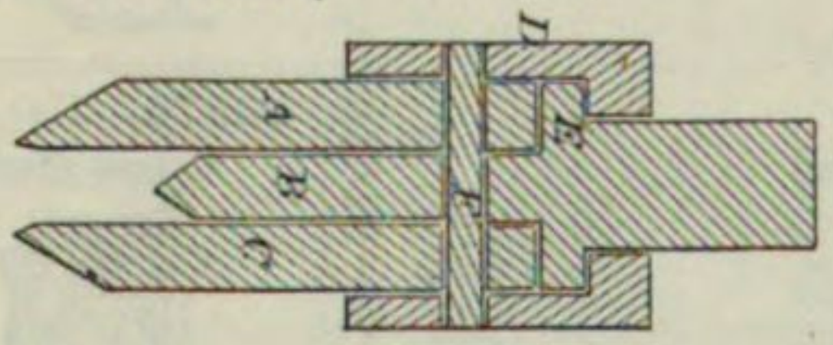
53582—J. G. De Coursey—*Bullet for Small Arms.*



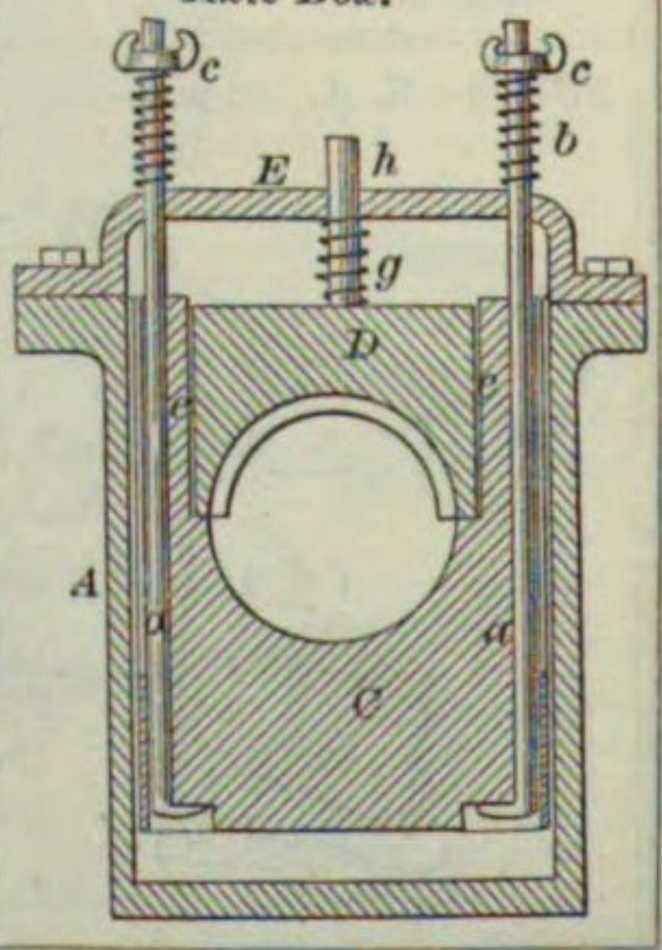
53587—J. Donlevy—
Typographic Printing.



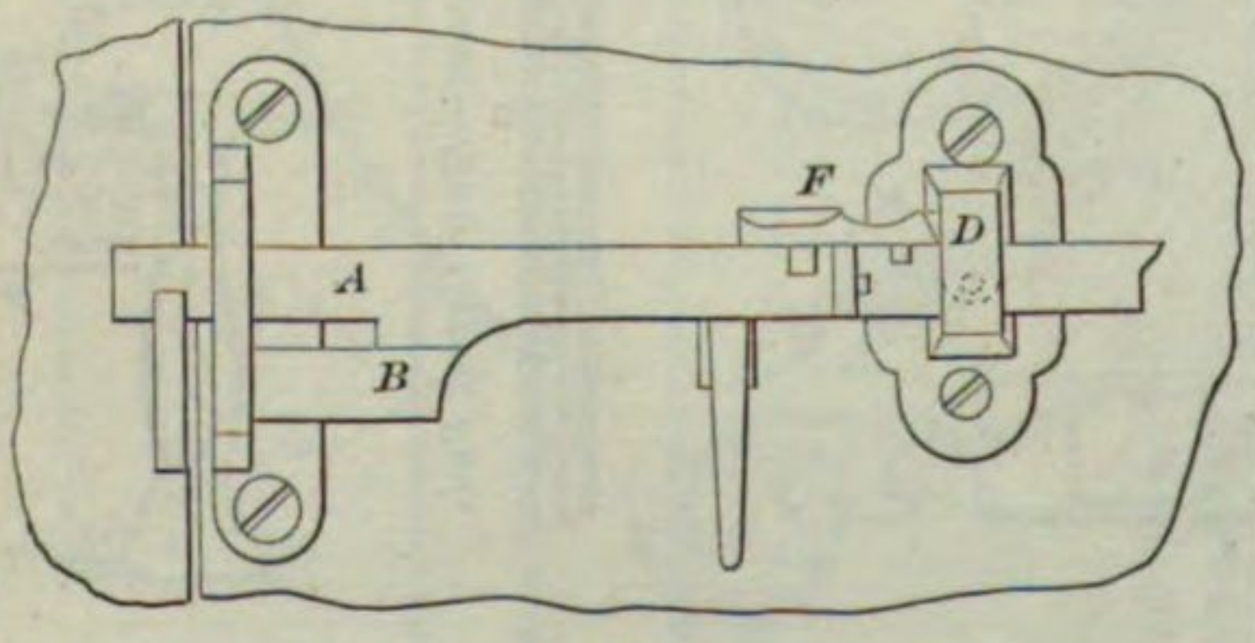
53586—J. C. Dickey—*Rock Drill.*



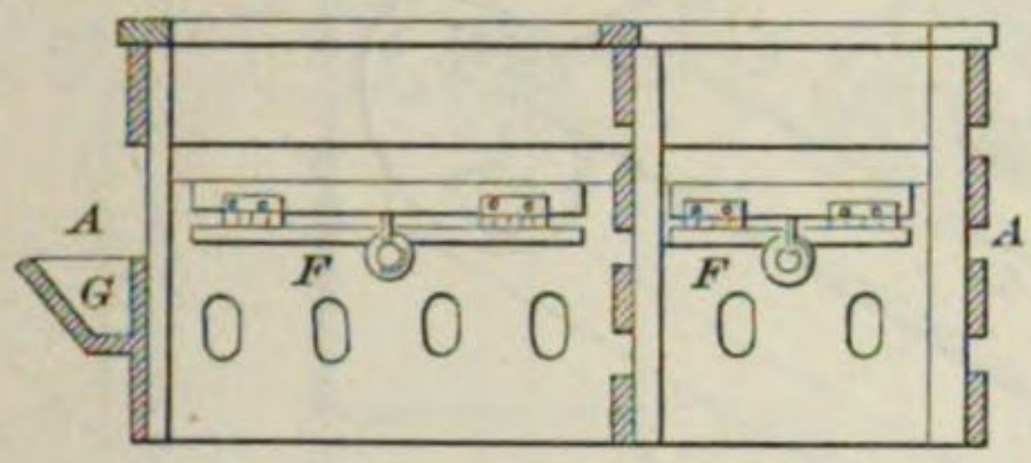
53588—D. H. Dotterer—
Axle Box.



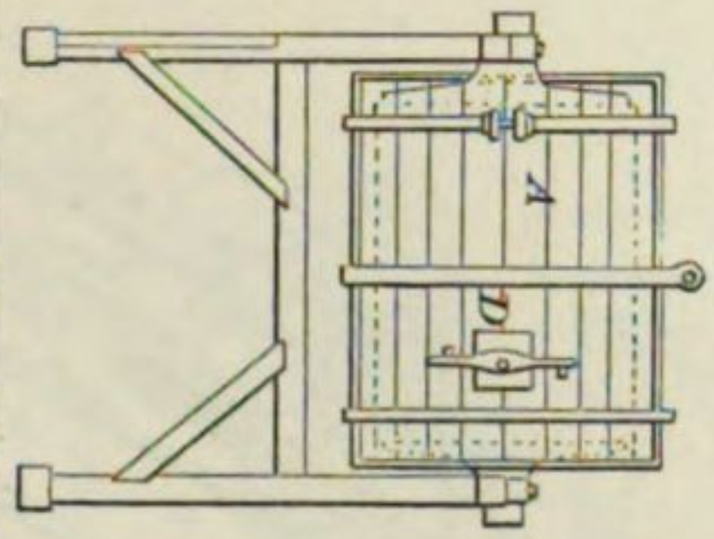
53585—H. L. De Zeng—*Door Latch.*



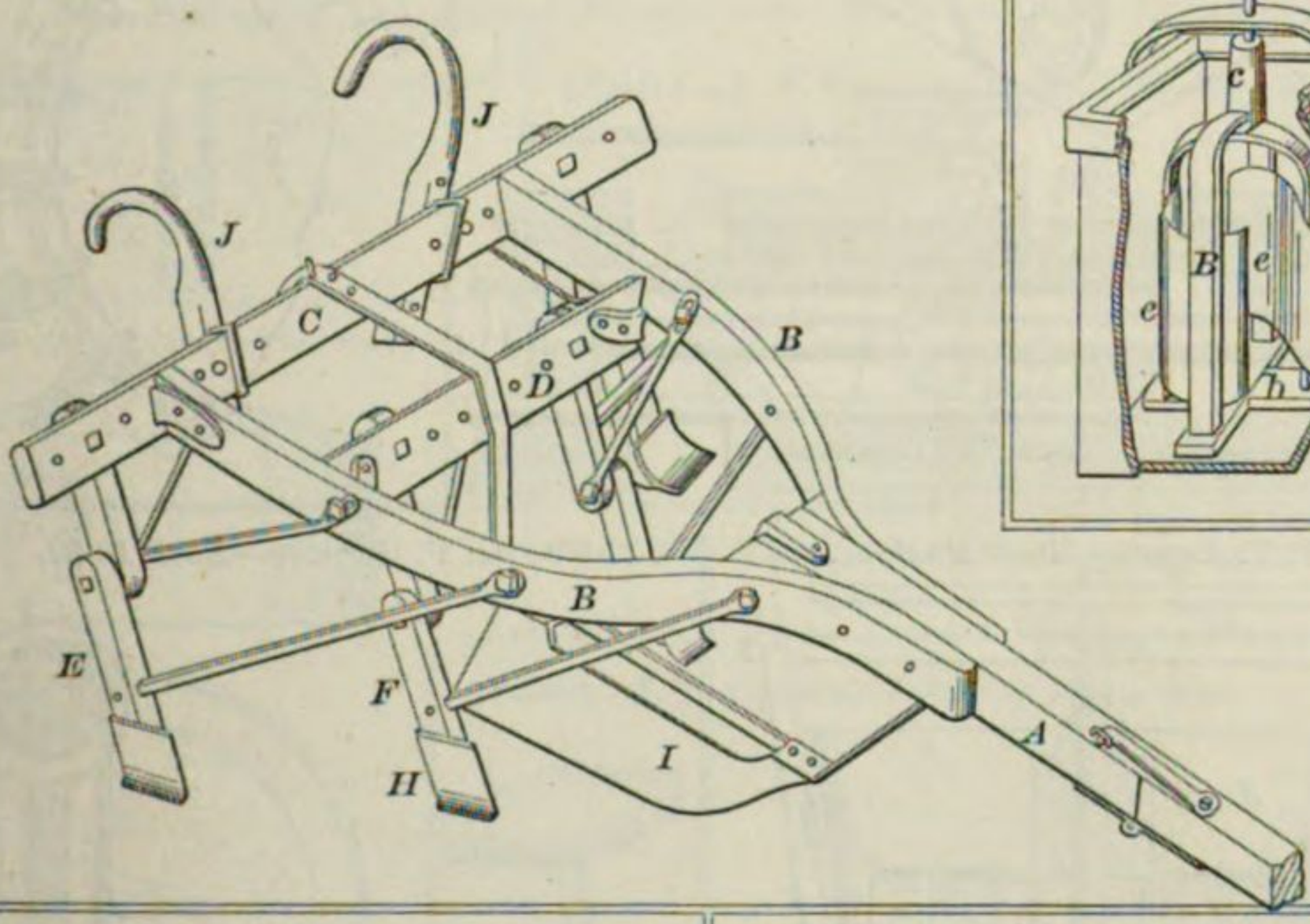
53589—J. B. Dow—*Pen for Weaning Calves.*



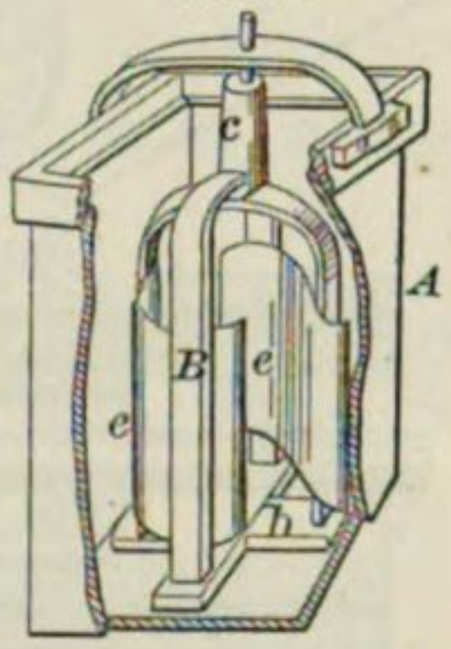
53590—F. N. Du Bois—*Process for Amalgamating Gold, &c.*



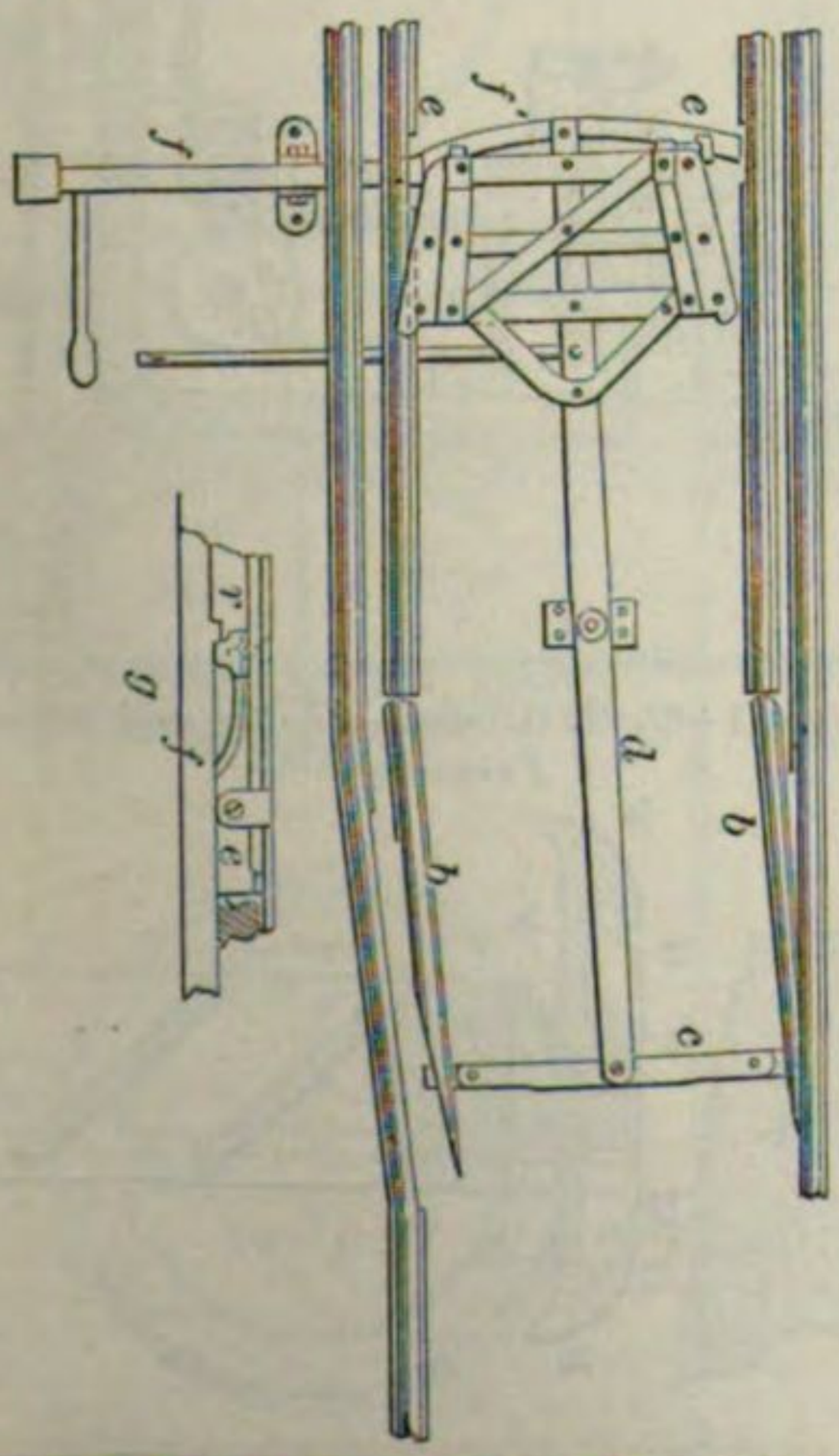
53592—S Dwight—*Cultivator.*



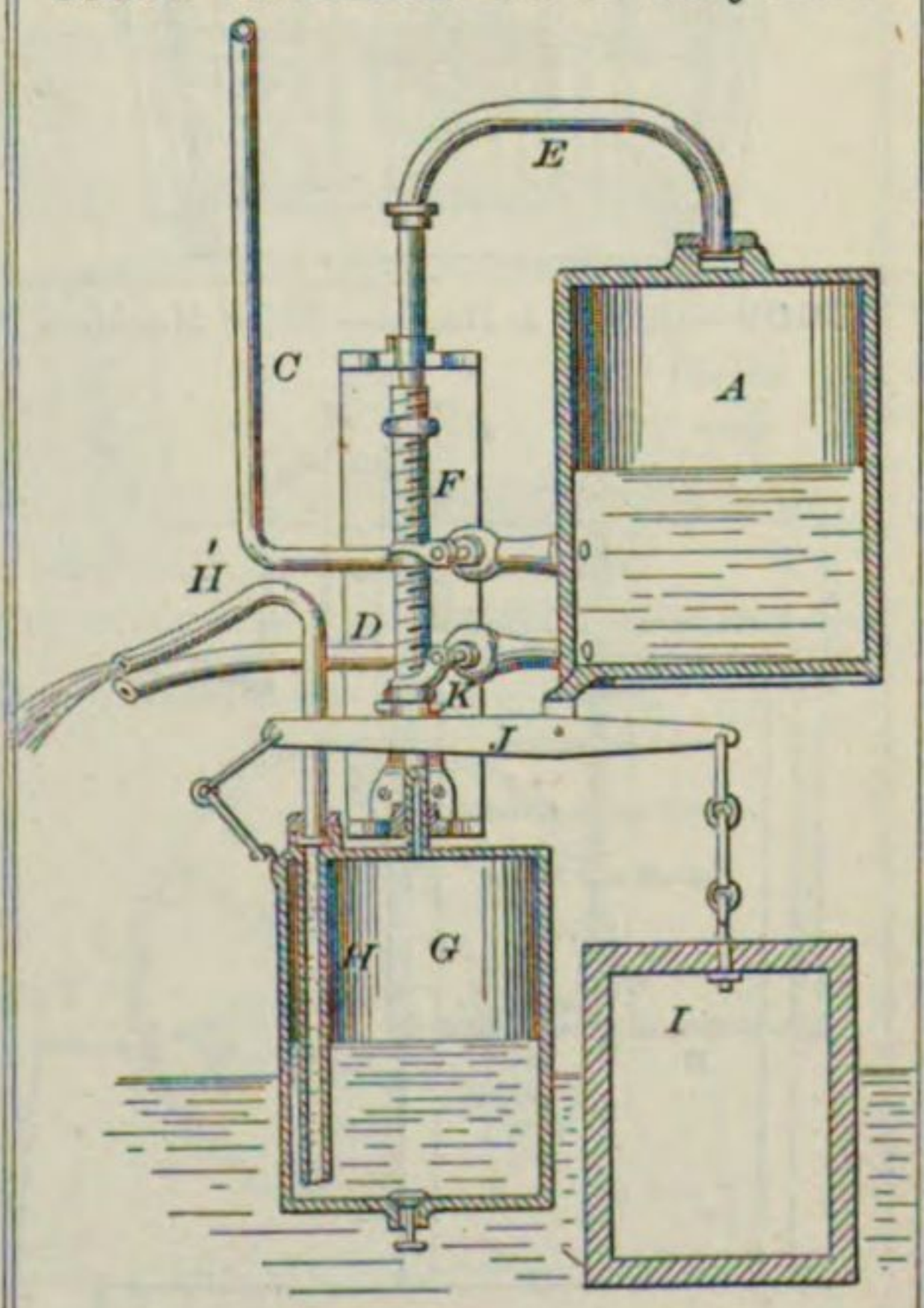
53591—D. Dunton—*Churn.*



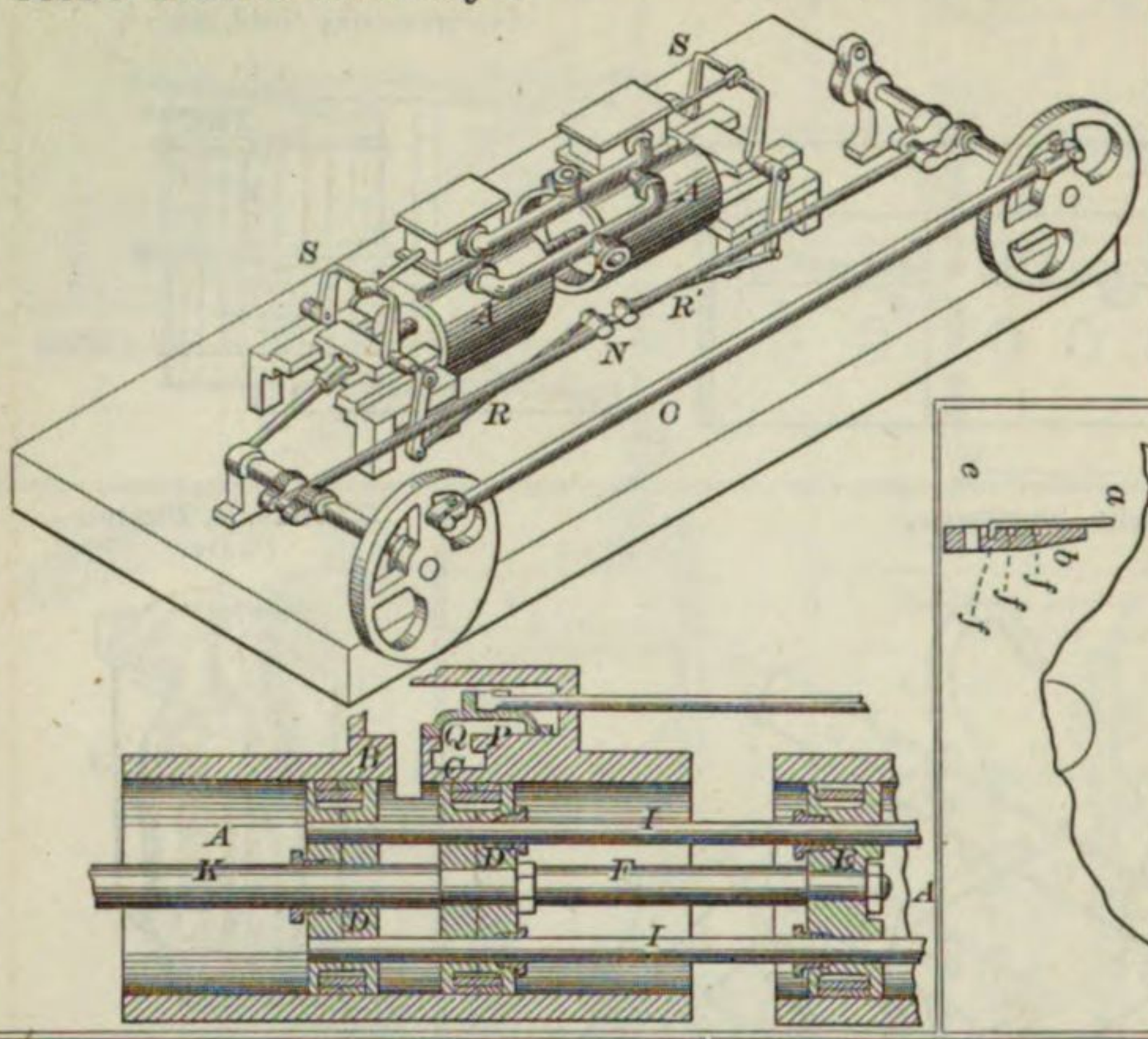
53593—Emery & Prince—*Railway Switch.*



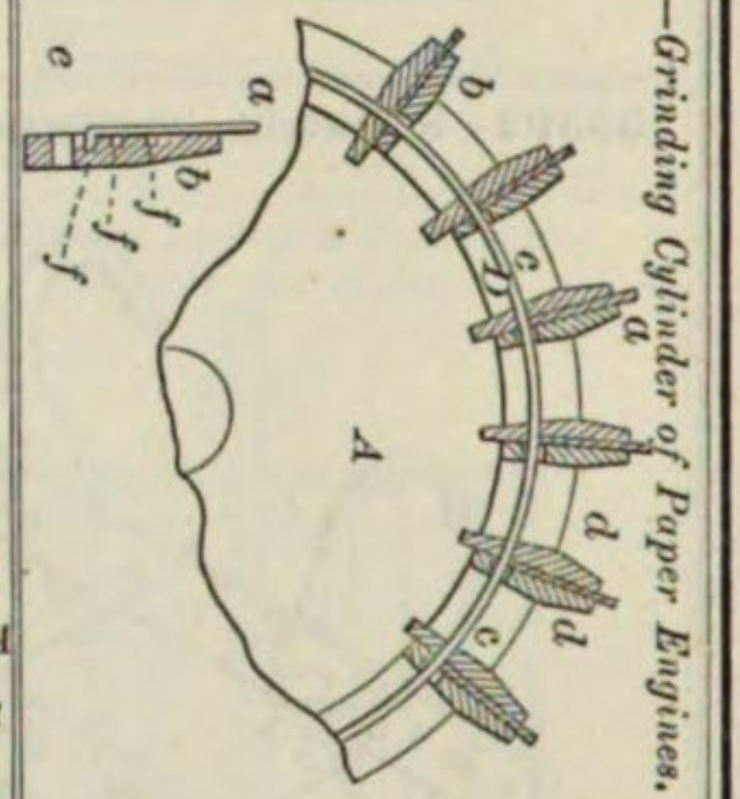
53594—A. F. Erich—*For Draining Cellars.*



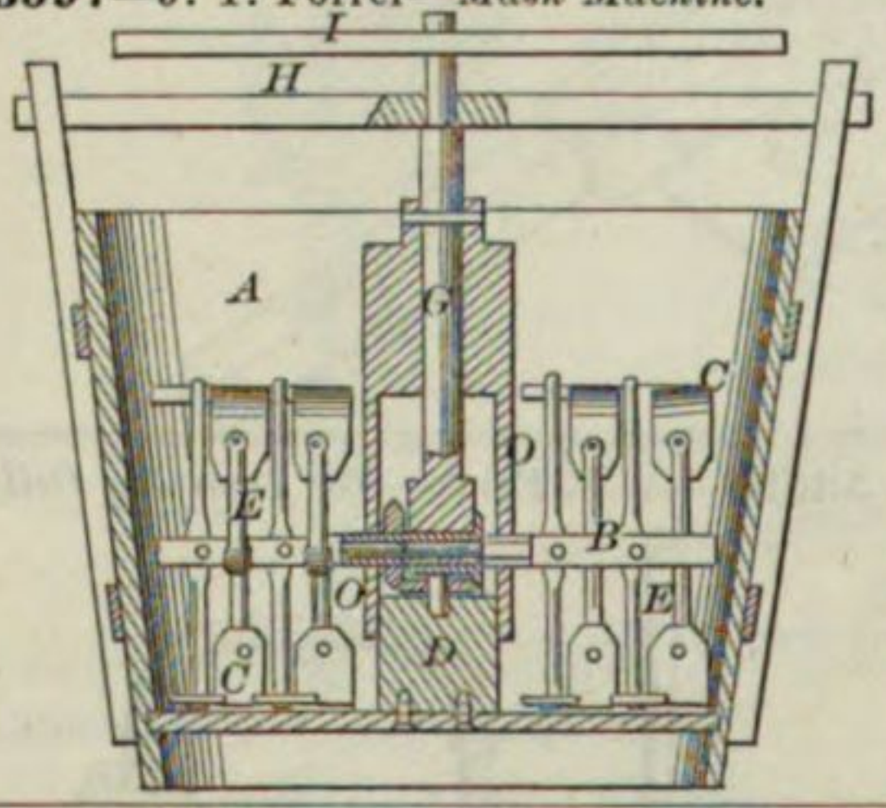
53596—I. Ferris—*Steam Engine*



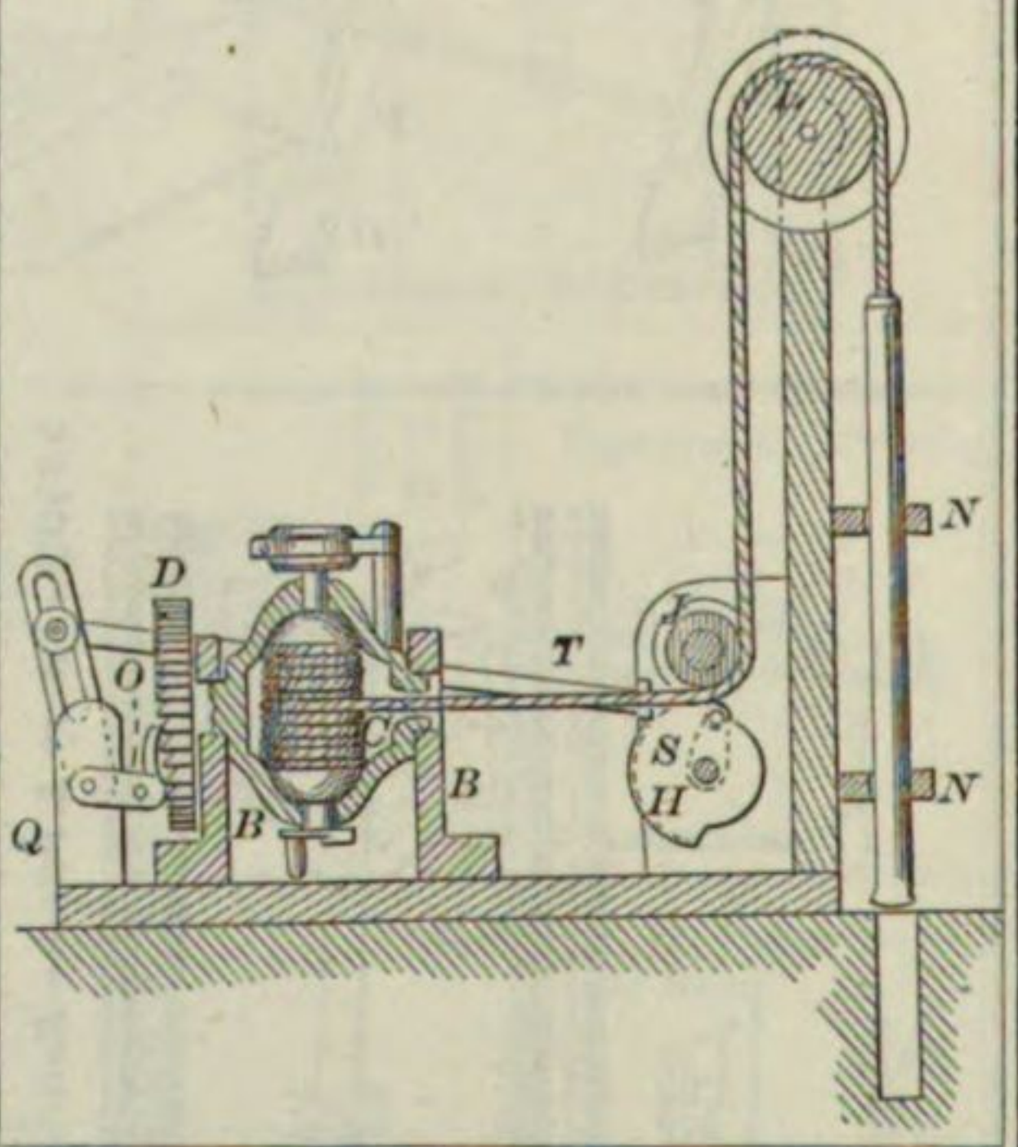
53598—C. T. Frost—*Grinding Cylinder of Paper Engines.*



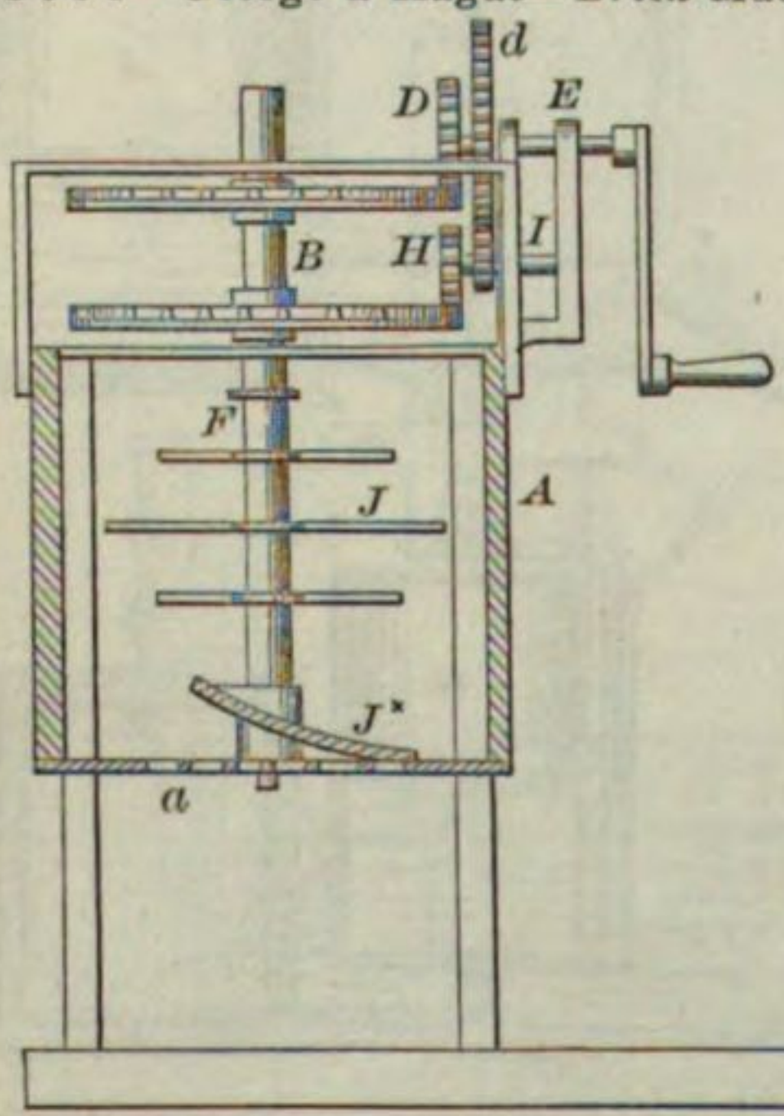
53597—J. T. Forrer—*Mash Machine.*



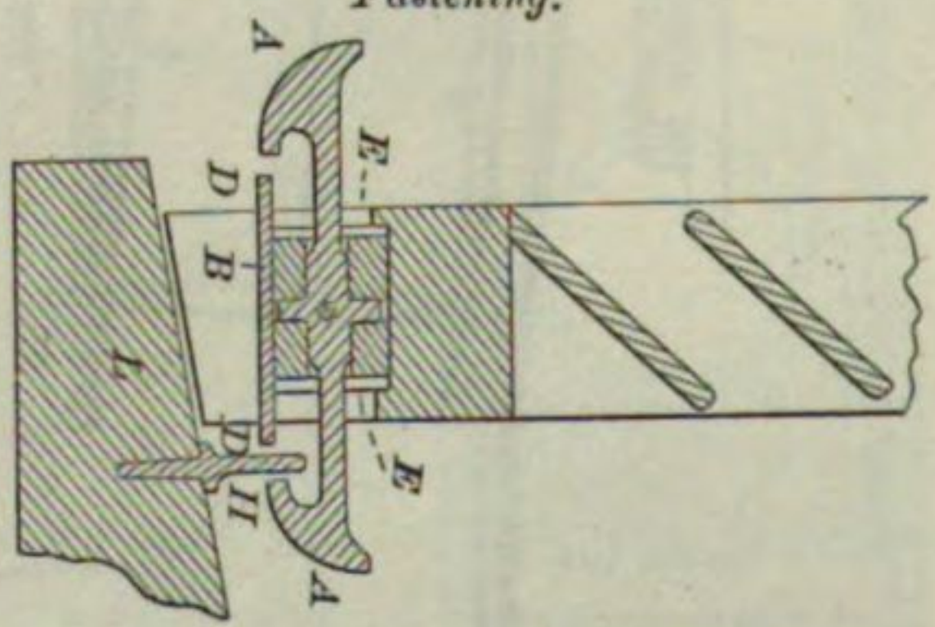
53599—G. P. Ganster—*Rock Drill.*



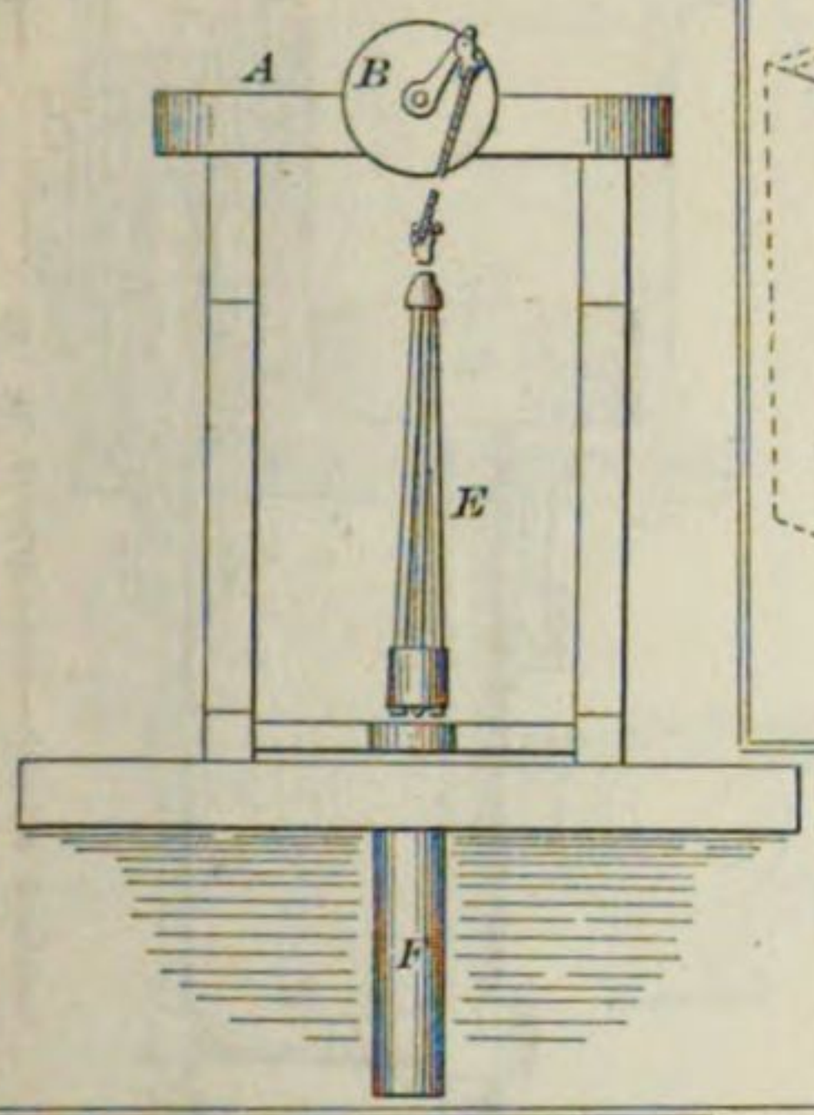
53600—George & Hague—*Brick Machine.*



53601—C. H. Gilman—*Shutter and Blind Fastening.*

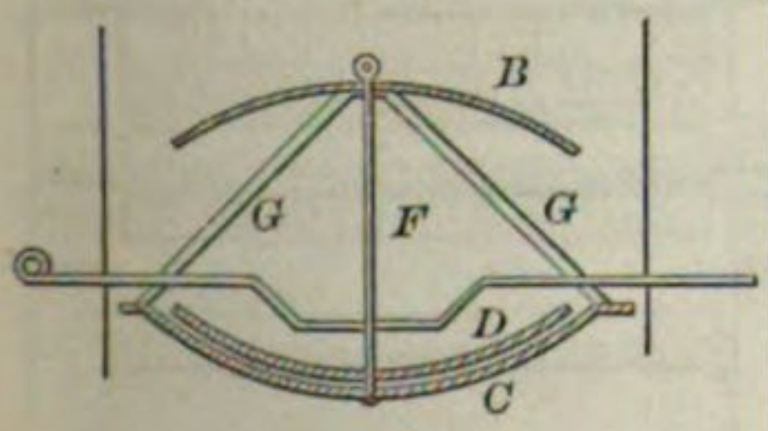


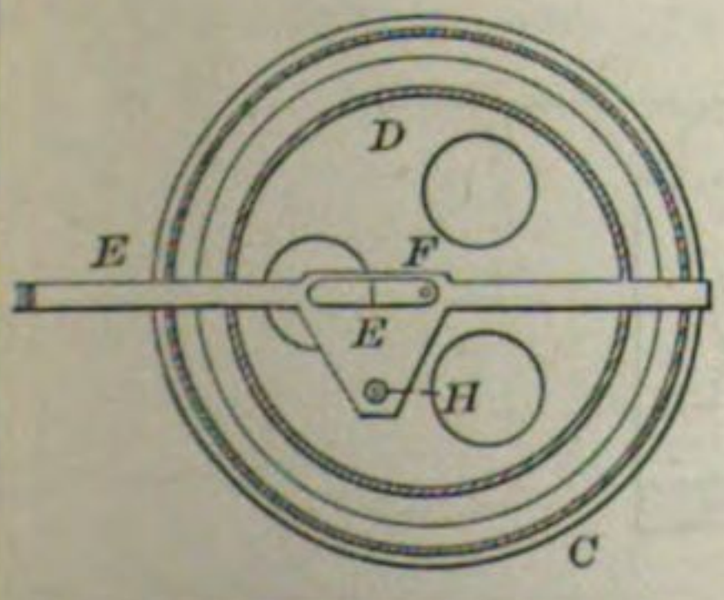
53602—L. M. Gilmore—*Rock Drill.*



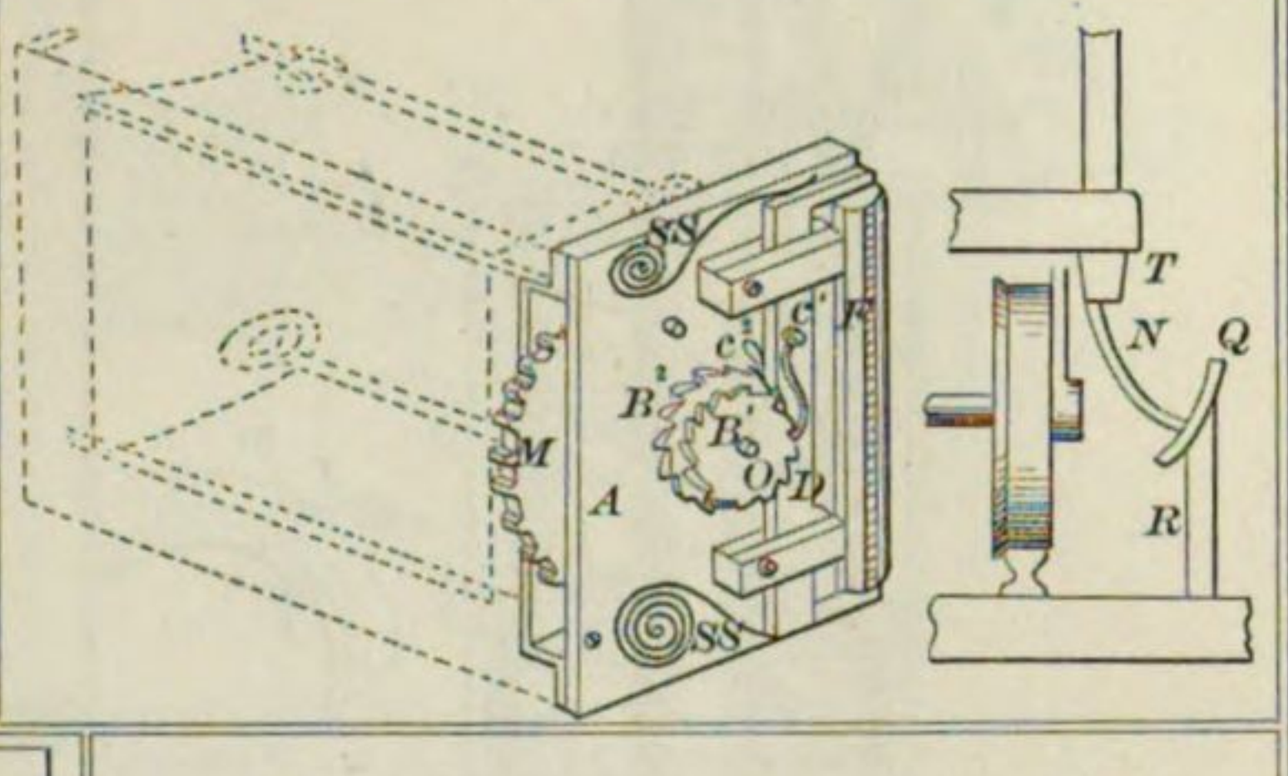
53603—S. Godfrey—*Grinding Mill.*

53605—D. L. Grover—*Stove Pipe Damper.*

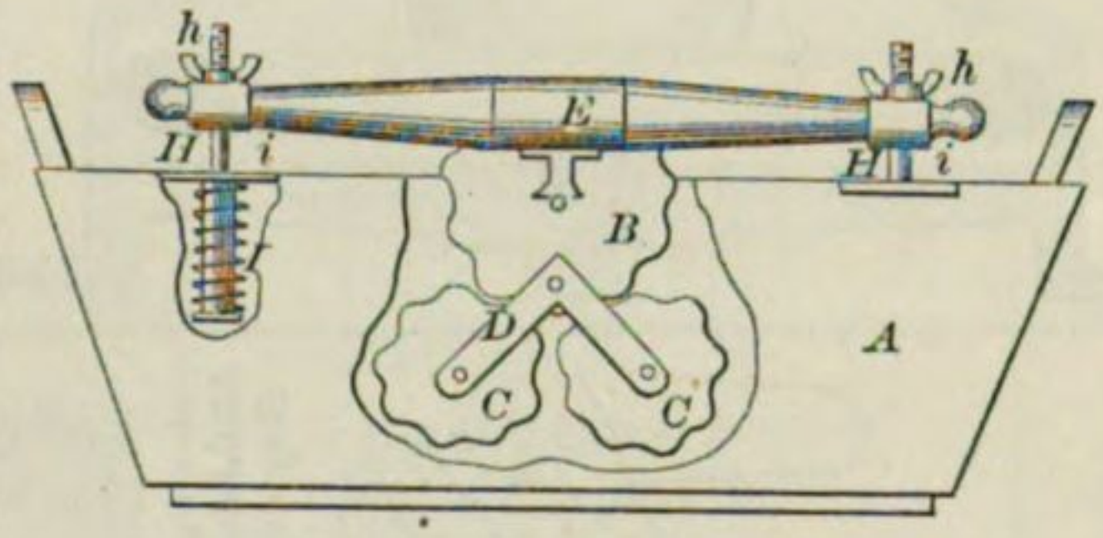




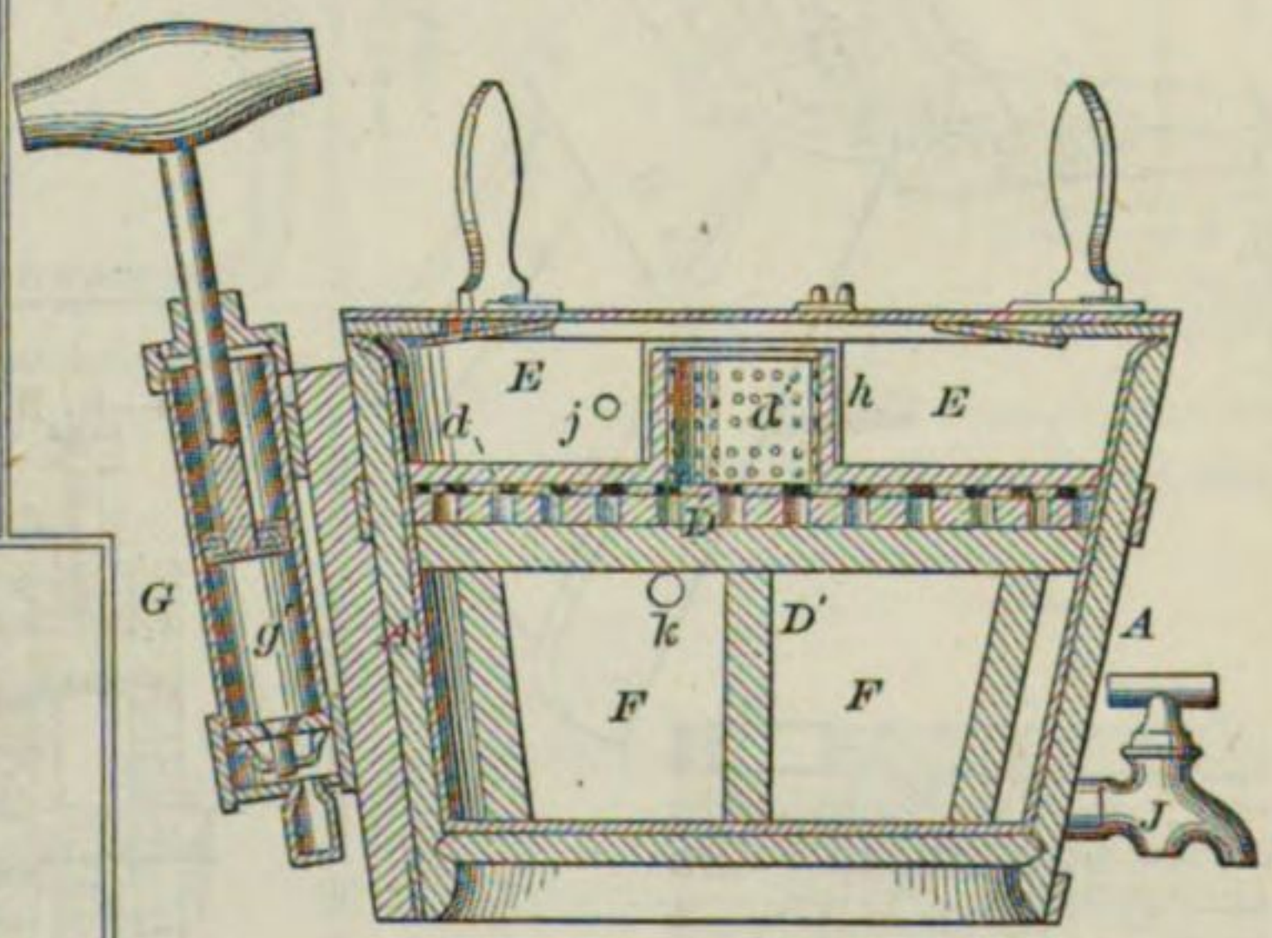
53607—P. E. & J. P. Gruger—*Railroad Station Indicator.*



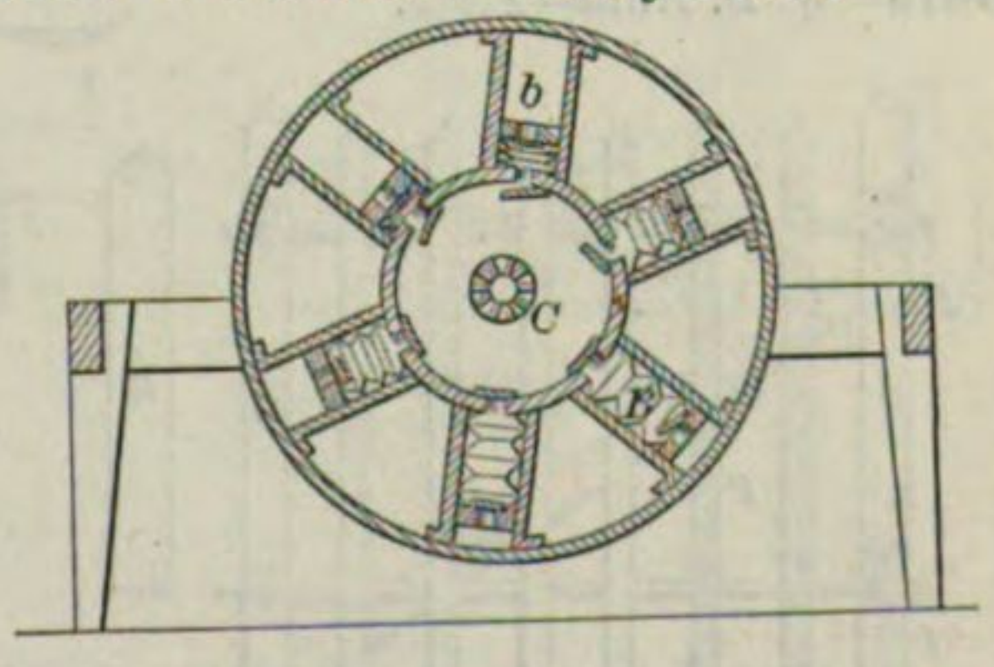
53604—J. T. Greenwood, Sr.—*Washing Machine.*



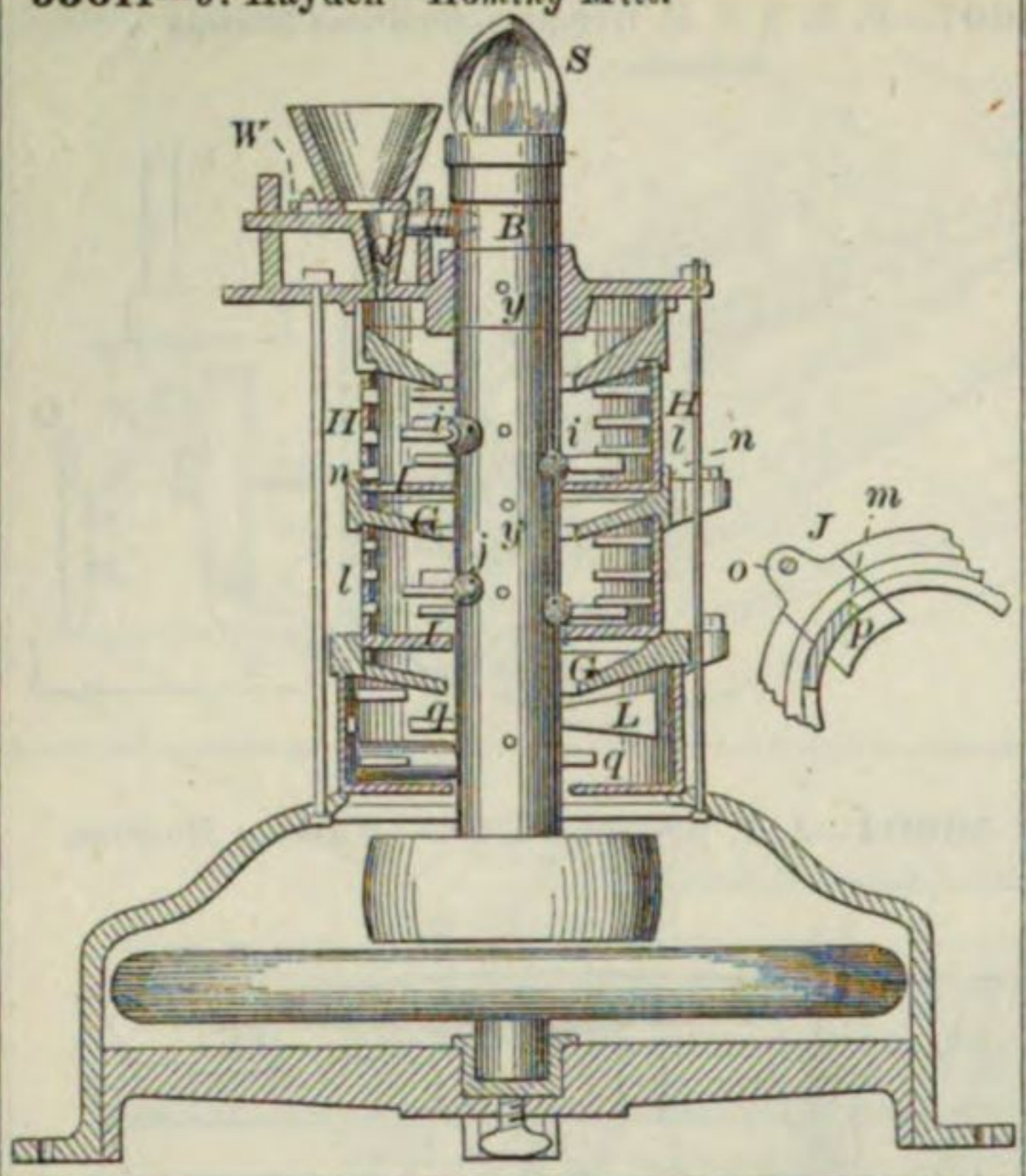
53606—J. P. Gruber—*Filtering Apparatus.*



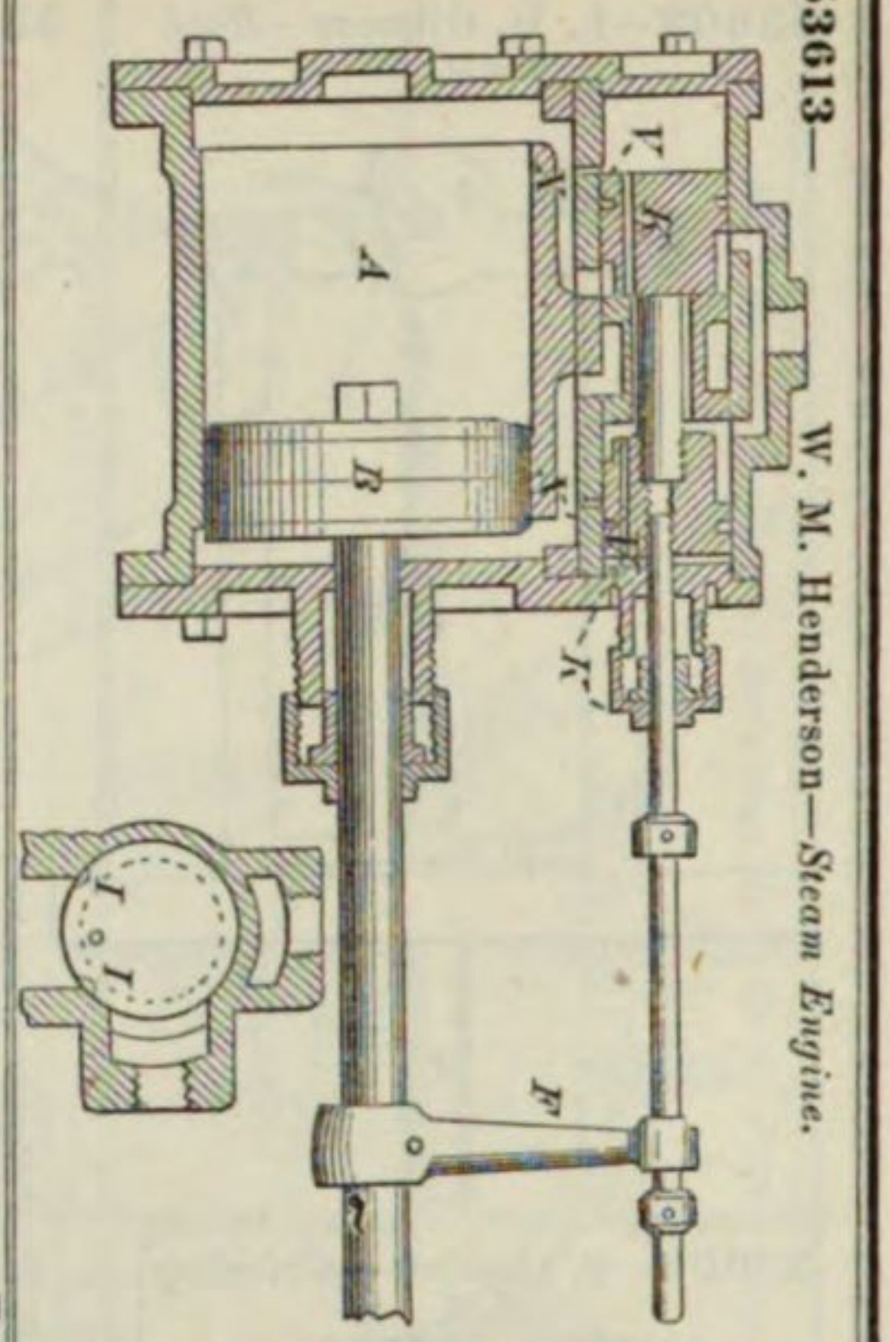
53609—F. Hainsworth—*Rotary Blower.*



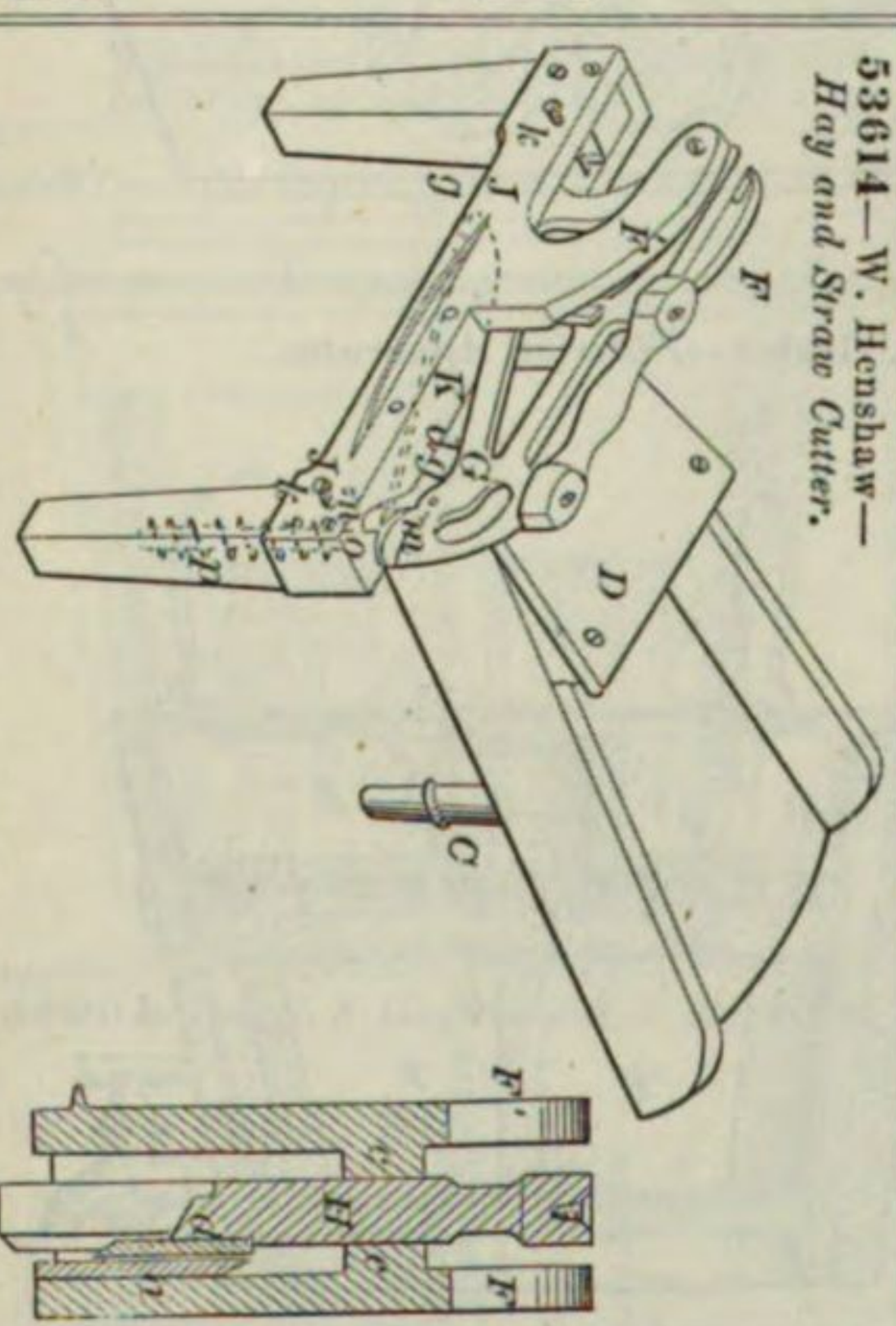
53611—J. Hayden—*Hominy Mill.*



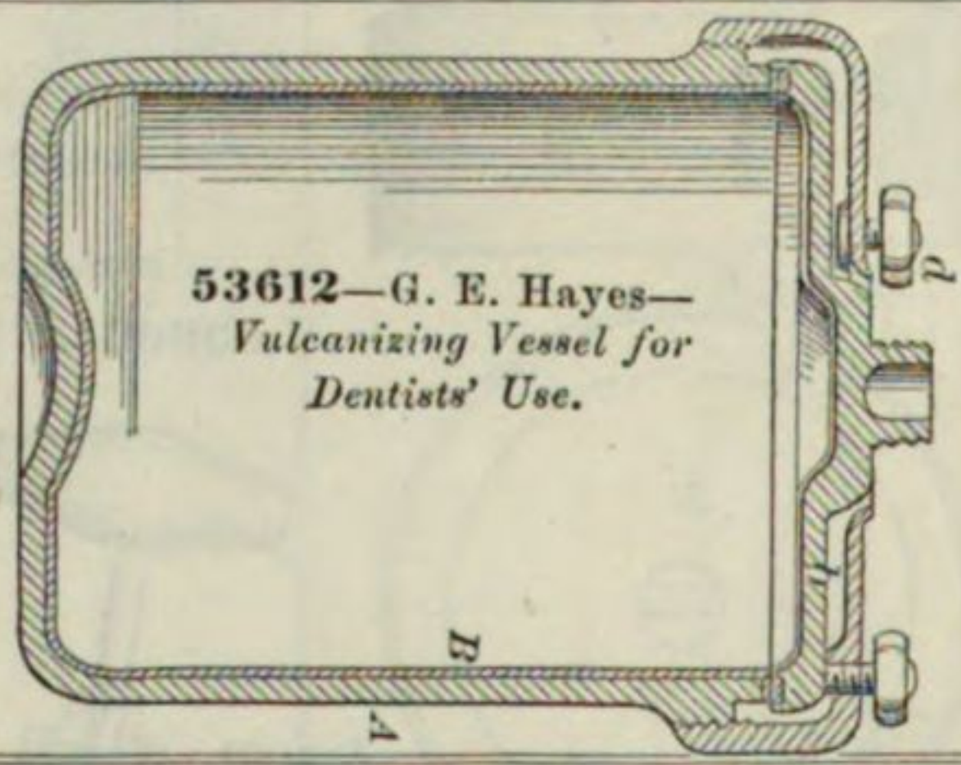
53613—W. M. Henderson—*Steam Engine.*



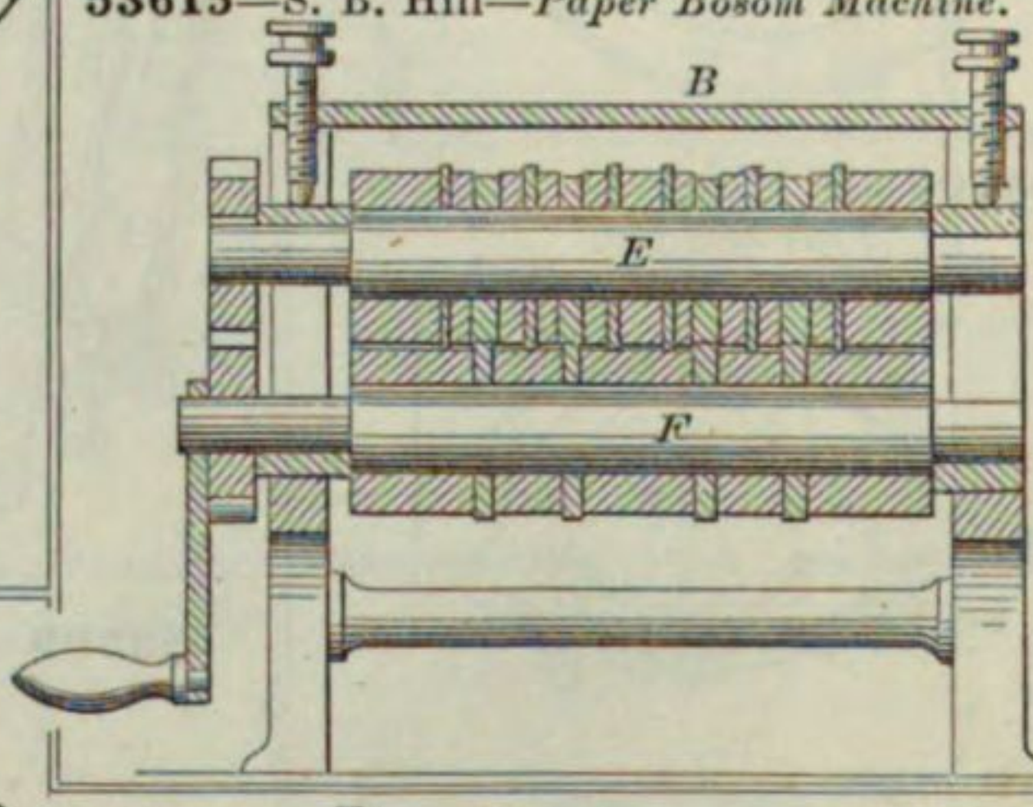
53614—W. Henshaw—*Hay and Straw Cutter.*



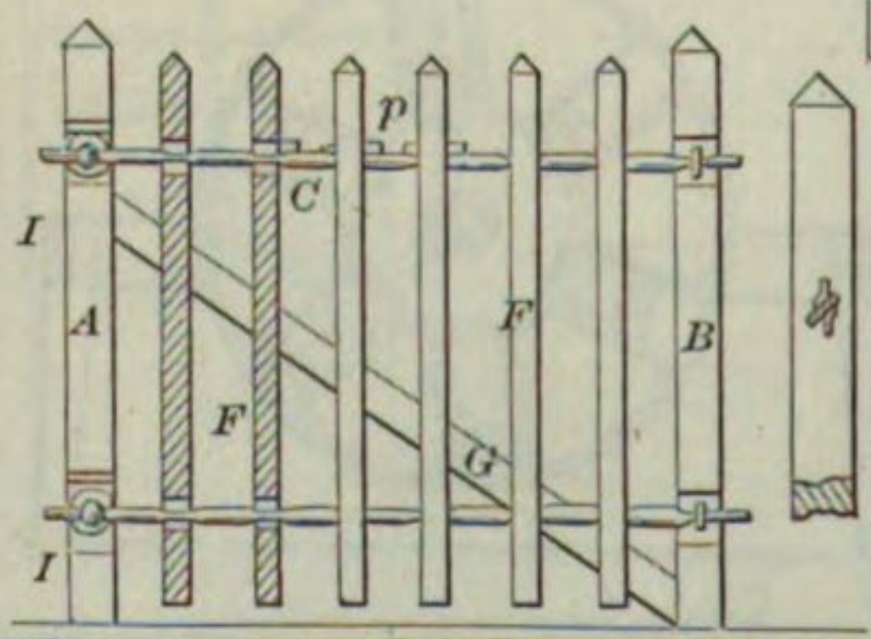
53612—G. E. Hayes—*Vulcanizing Vessel for Dentists' Use.*



53615—S. B. Hill—*Paper Bosom Machine.*



53616—W. D. Hillis—*Fence.*



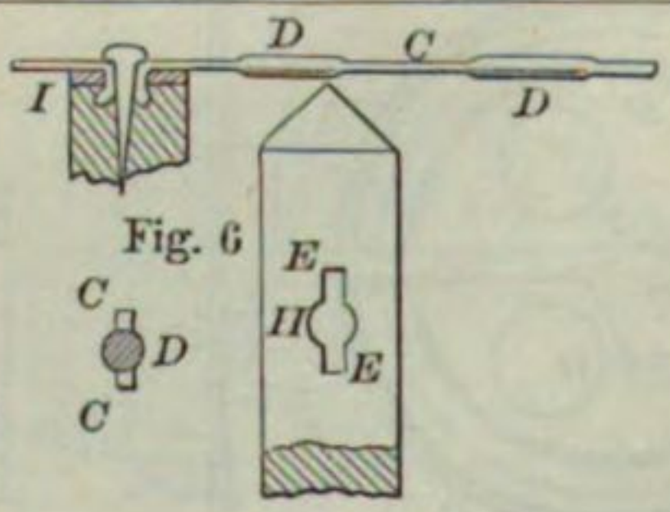
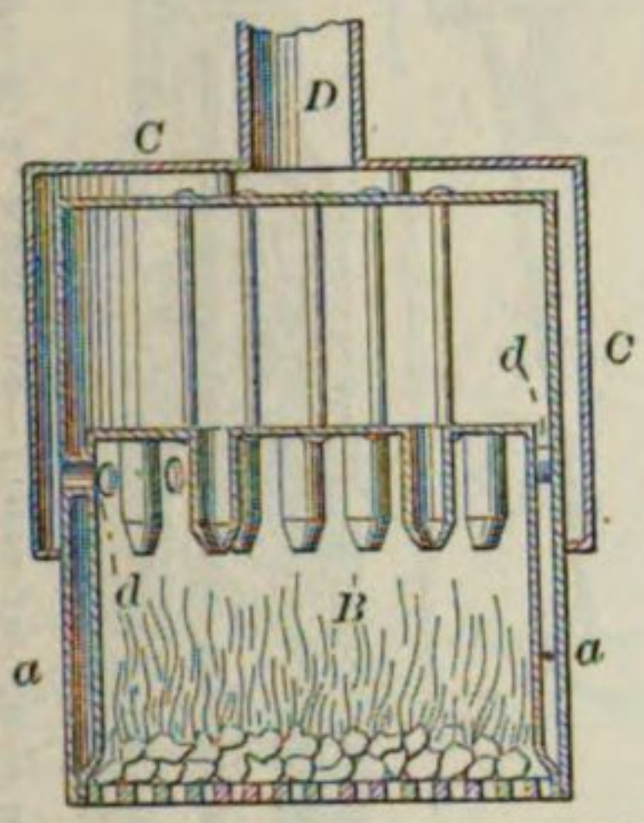
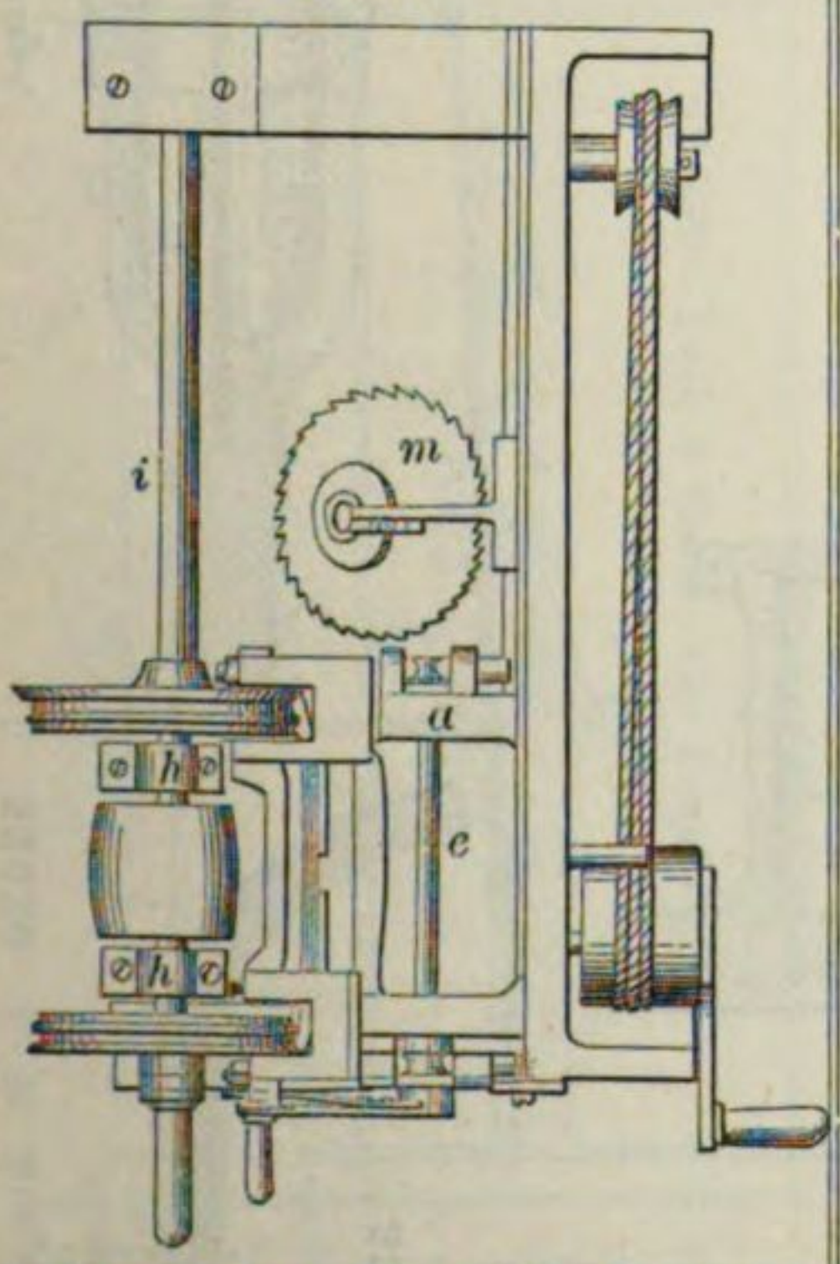


Fig. 6

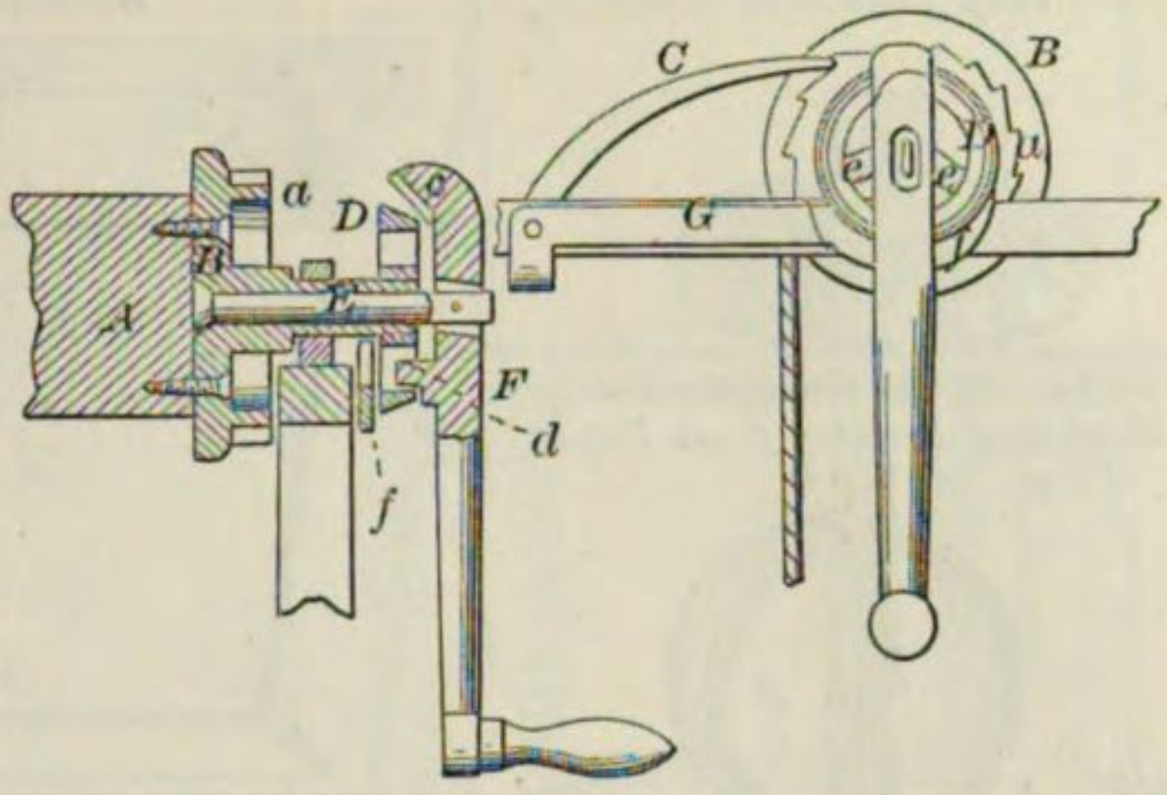
53617—B. Holly—*Steam Generator.*



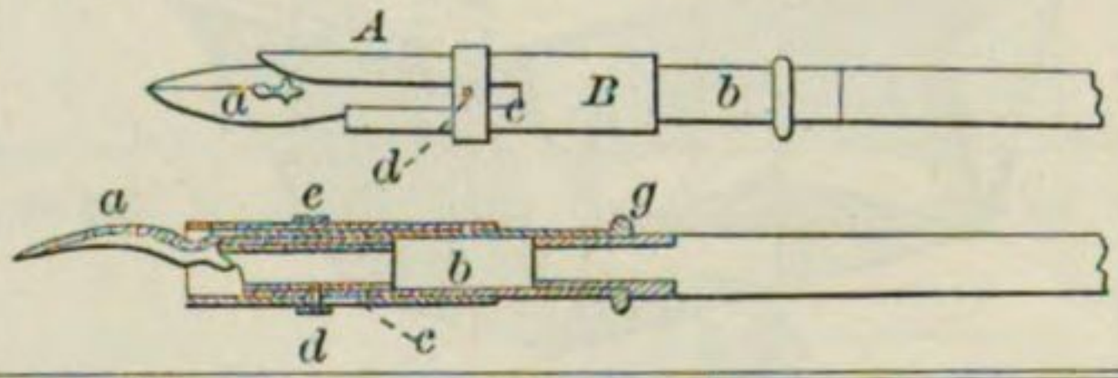
53618—A. H. Hook—*Stave Machine.*



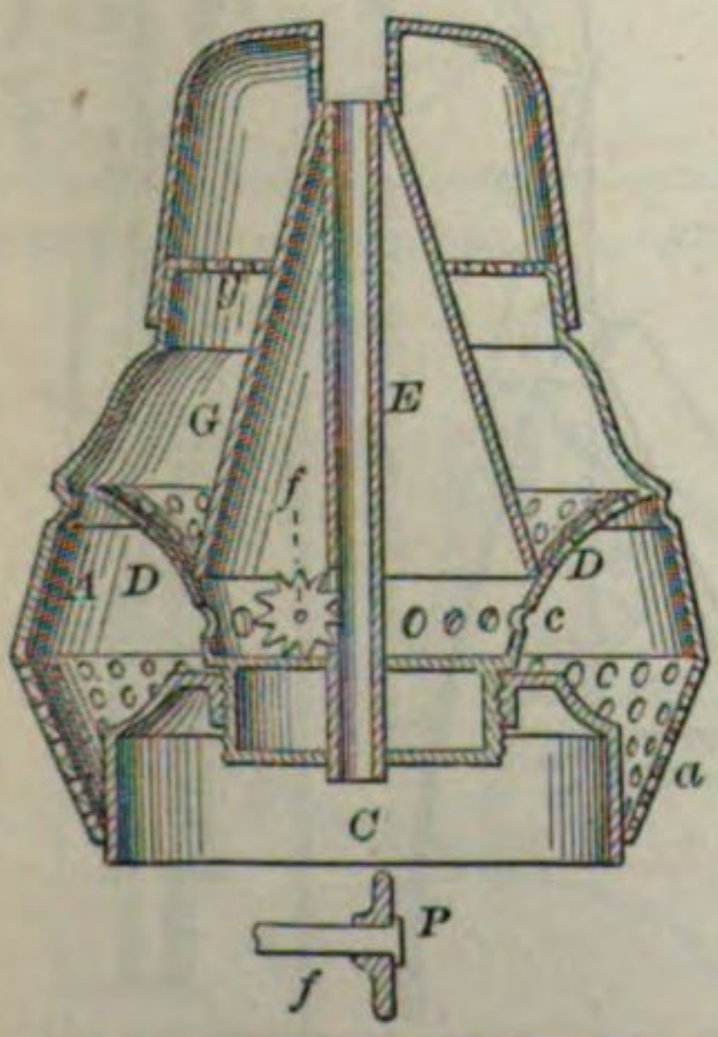
53621—E. Hoyt—*Water Elevator.*



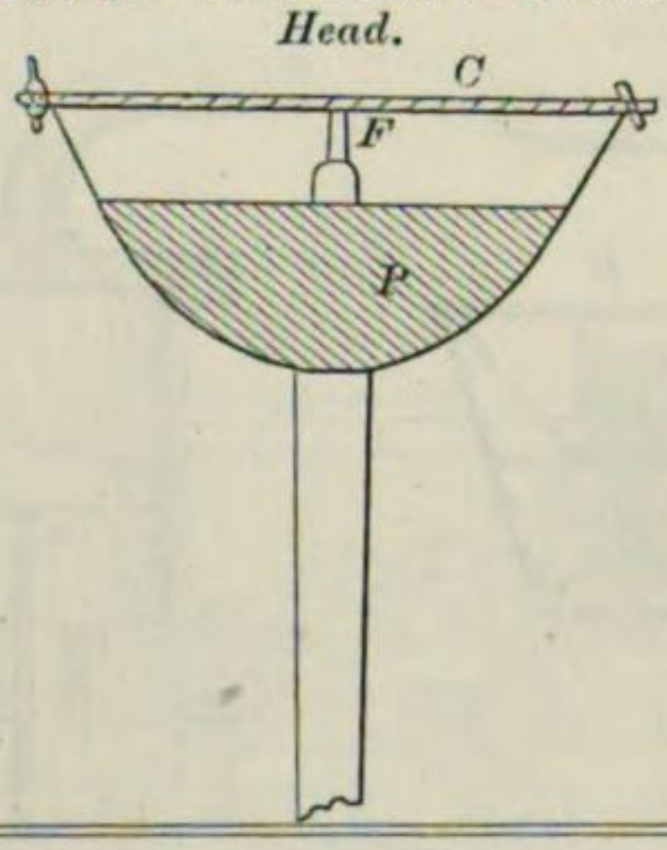
53622—T. S. Hudson—*Pen.*



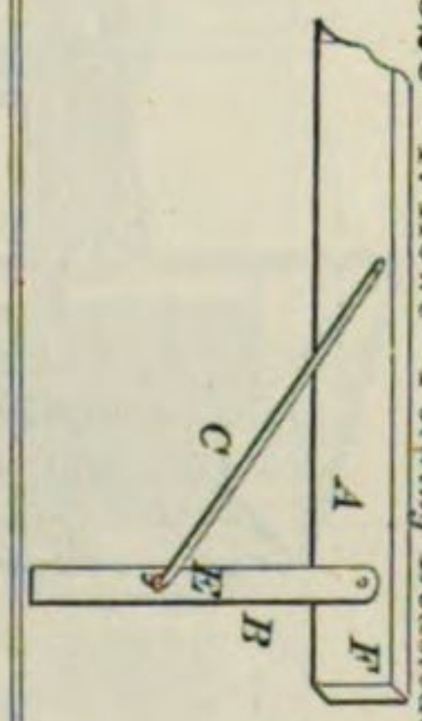
53623—J. G. Hunt—*Lamp Burner.*



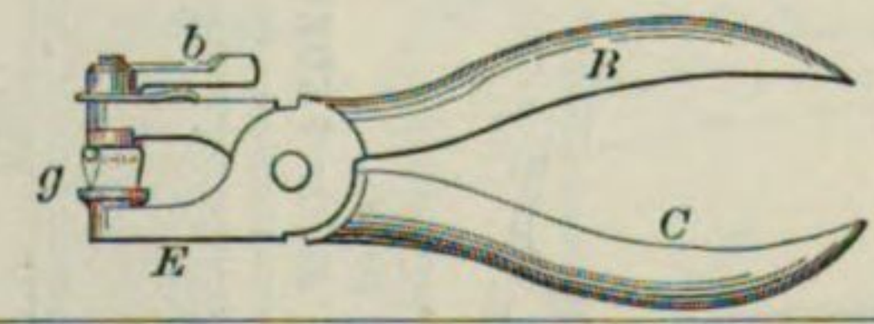
53624—J. E. Hunter—*Broom Head.*



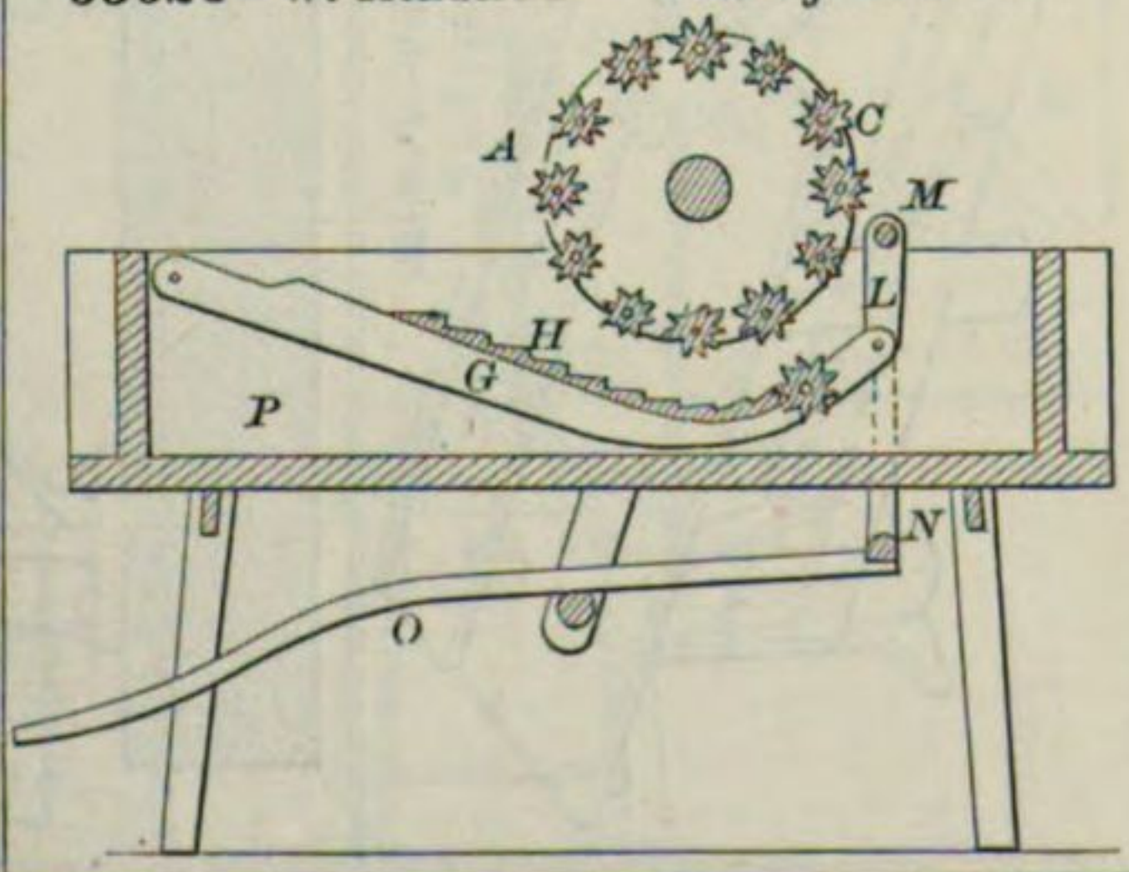
53620—T. Howe—*Folding Bedstead.*



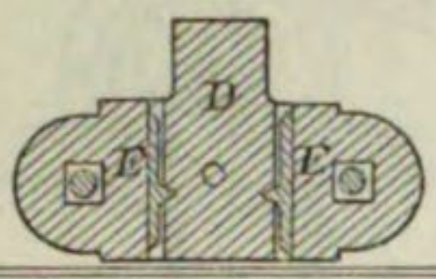
53619—J. A. & H. A. House—*Button Hole Cutter.*



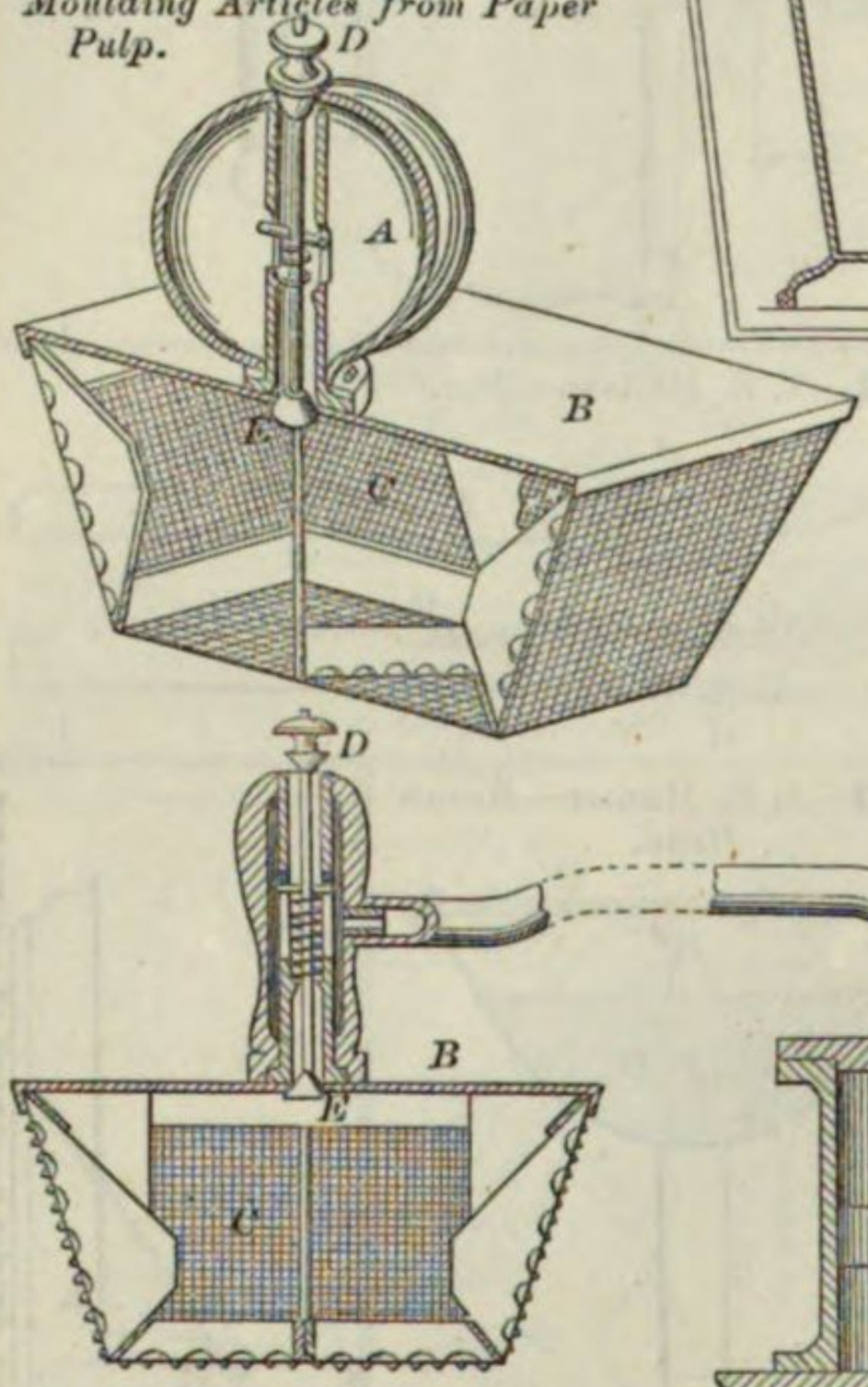
53626—W. Kenderline—*Washing Machine.*



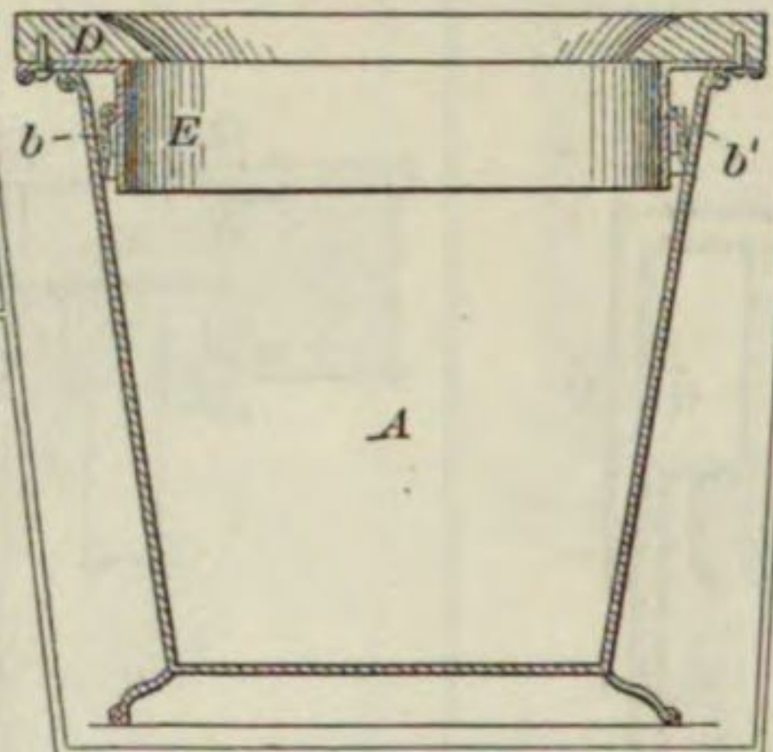
53627—M. C. Kilgore—*Stop Cock.*

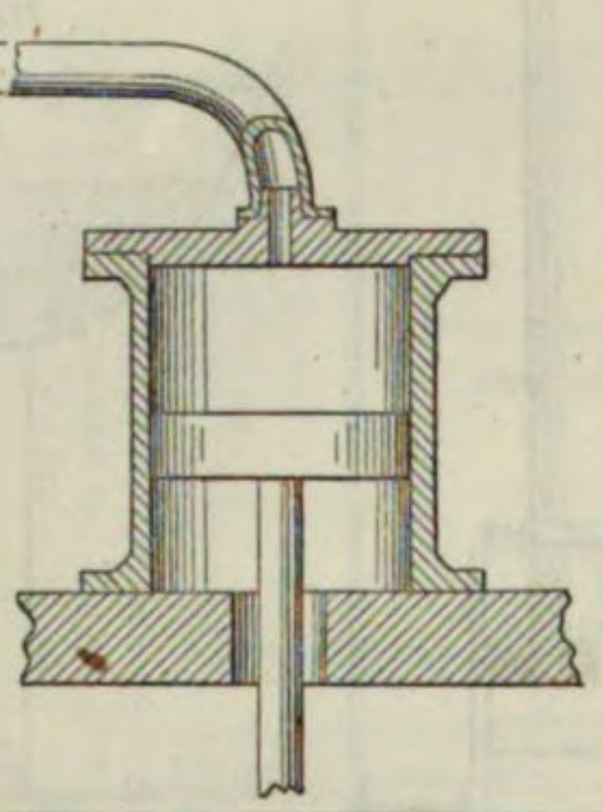


53631—E. H. Knight—*For Moulding Articles from Paper Pulp.*

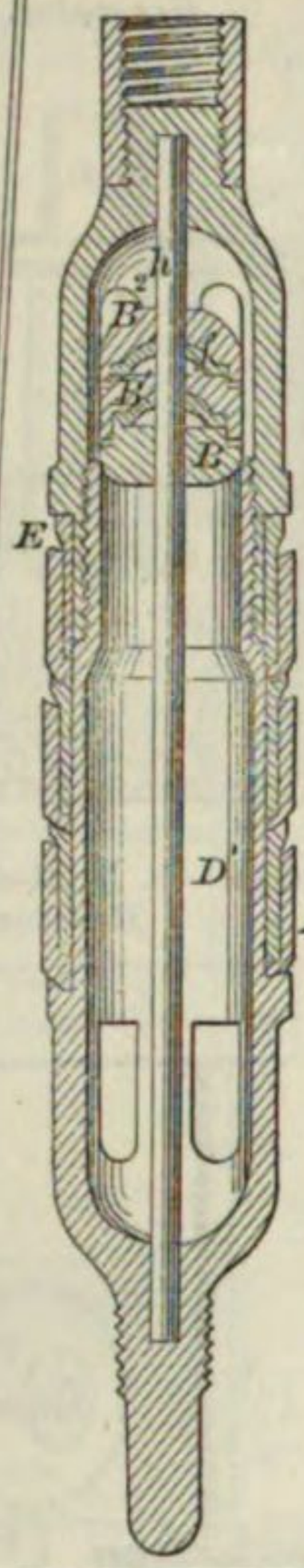


53632—W. W. Knight—*Chamber Bucket.*

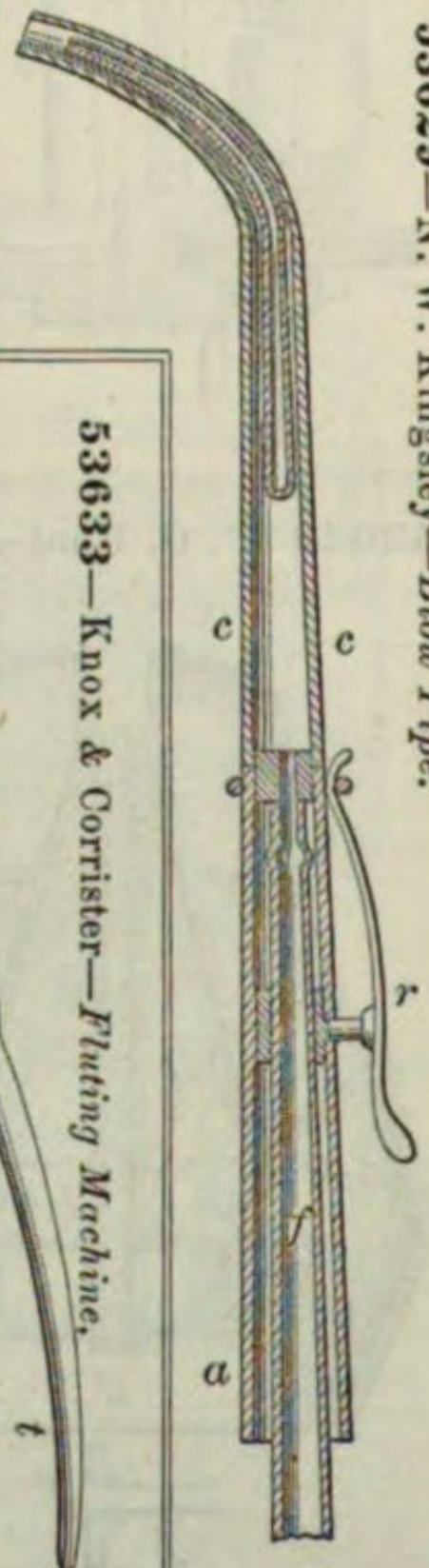




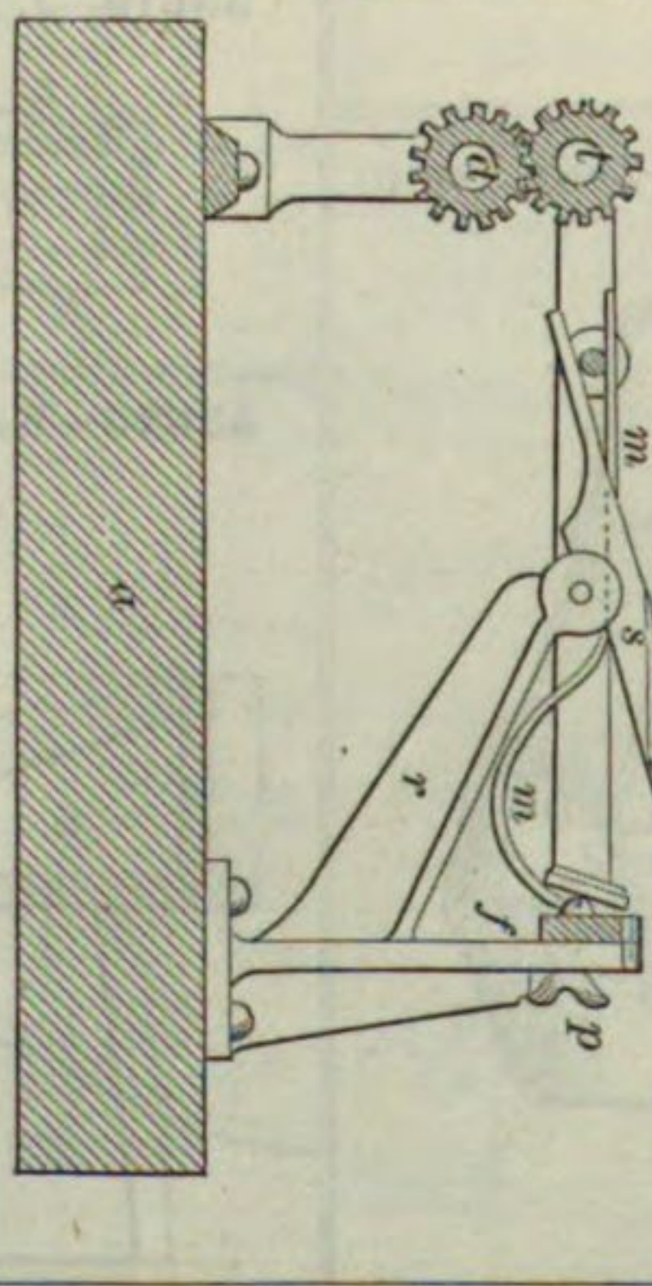
53630—E. Y. Kneeland—*Piston for Deep Well Pumps.*



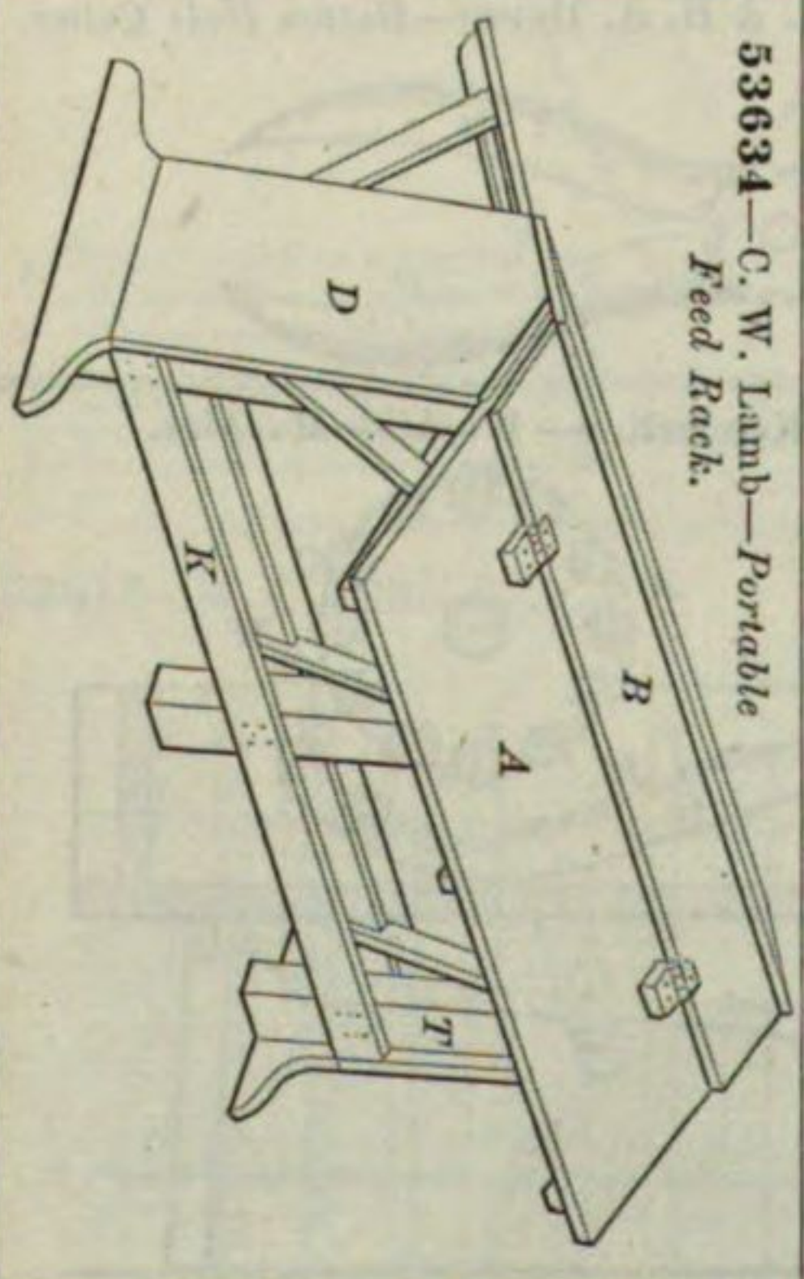
53629—N. W. Kingsley—*Blow Pipe.*



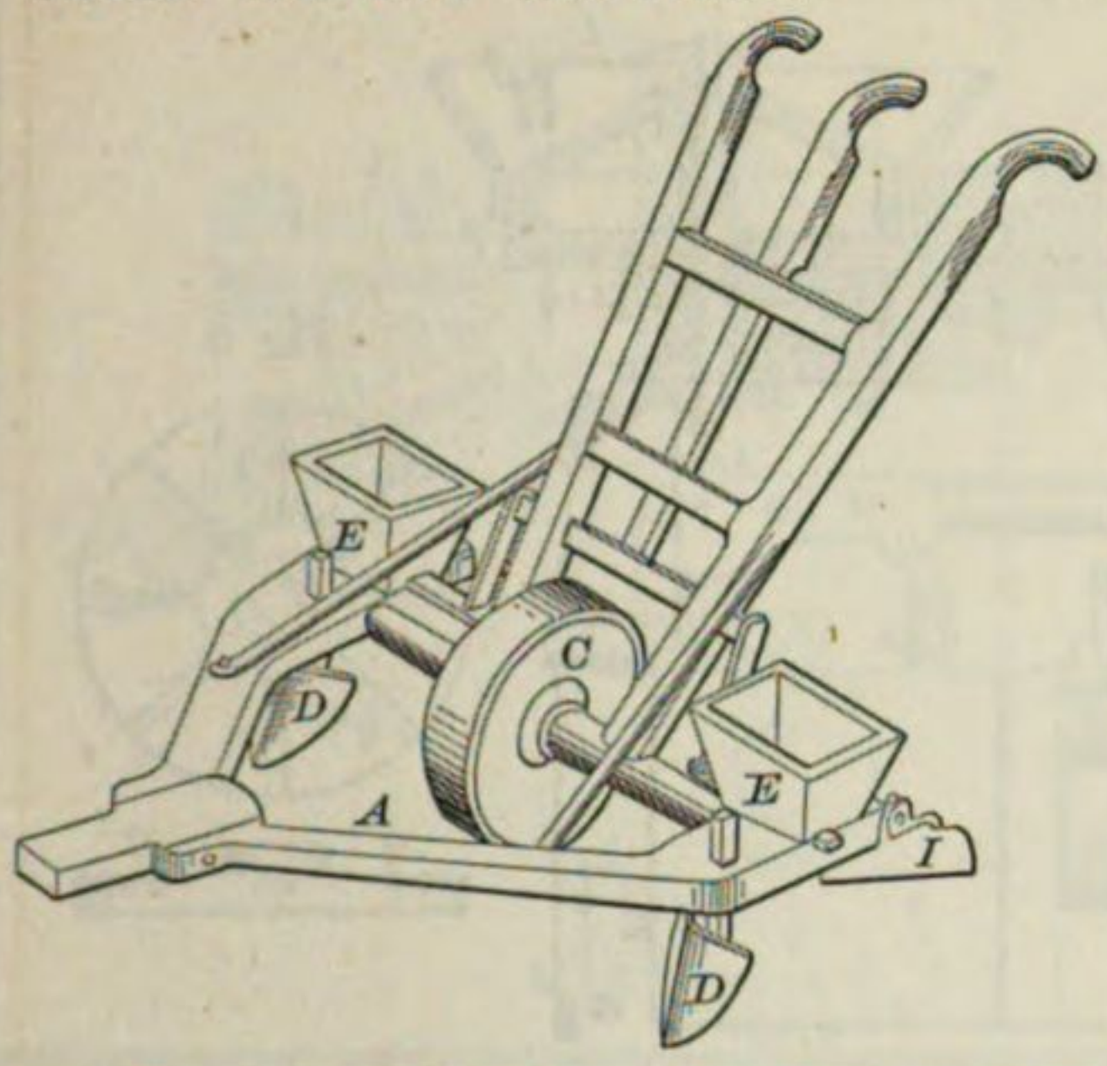
53633—Knox & Corrister—*Fluting Machine.*



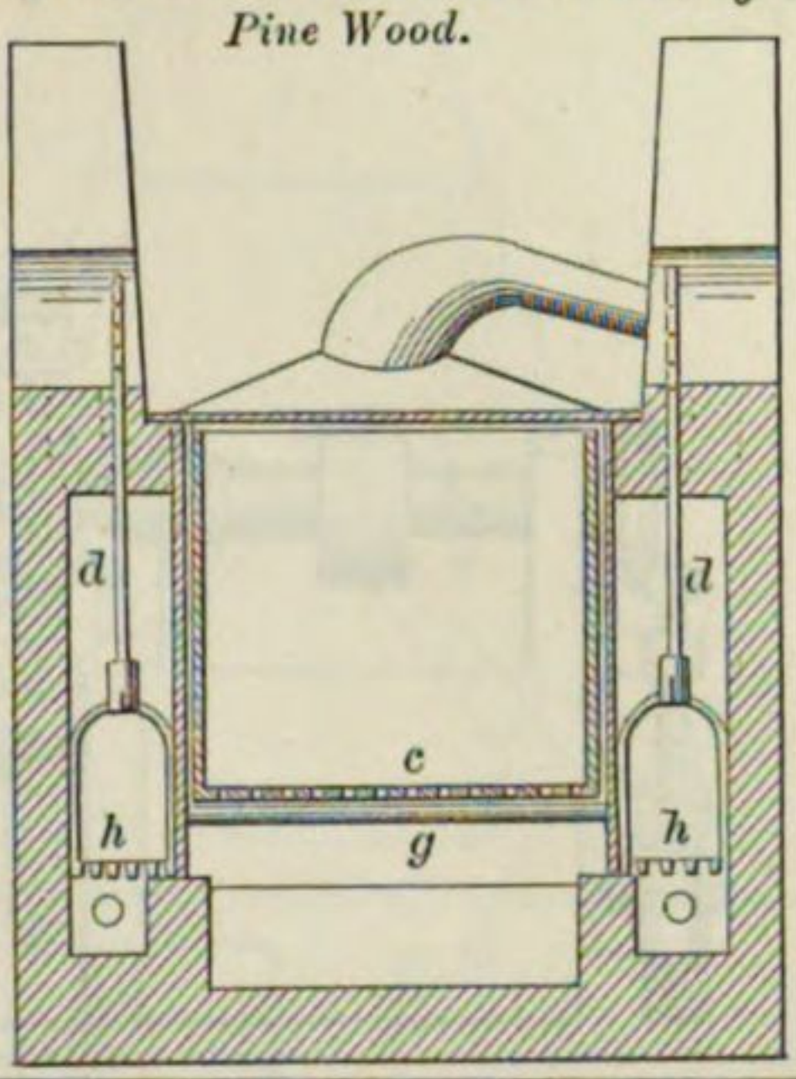
53634—C. W. Lamb—*Portable Feed Rack.*



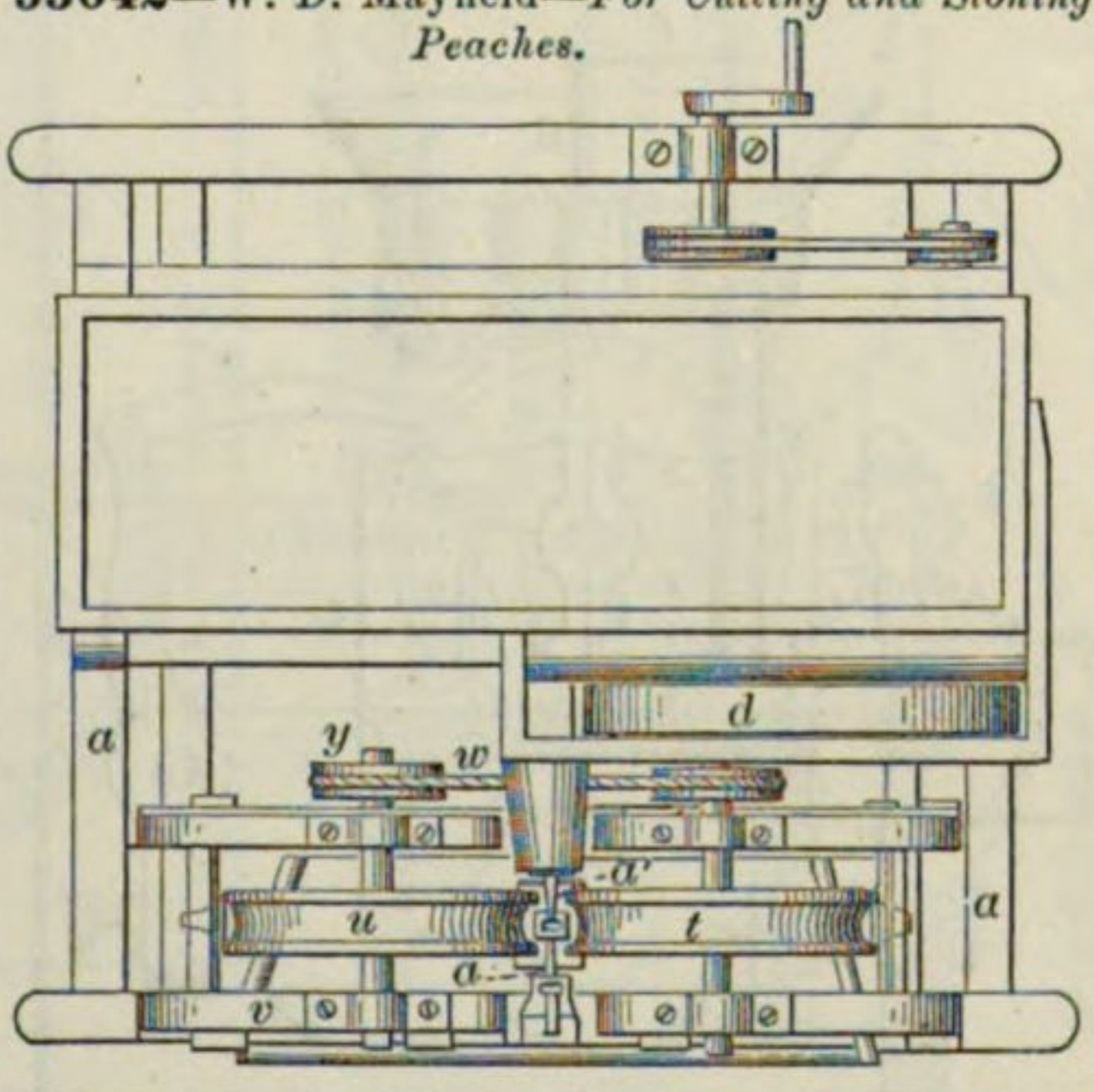
53635—J. N. Lane—*Seed Planter*.



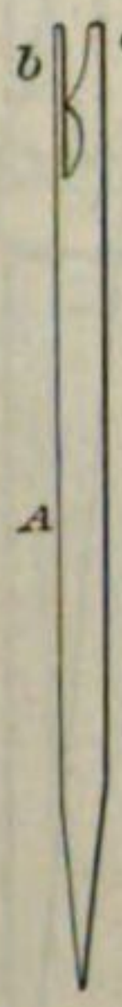
53641—J. A. Mattocks—*Distilling Pine Wood.*



53642—W. D. Mayfield—*For Cutting and Stoning Peaches.*

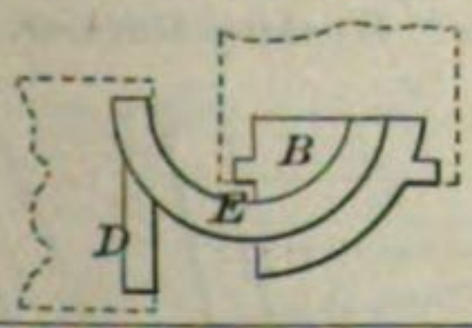


53638—O. Low—*Tag Needle.*

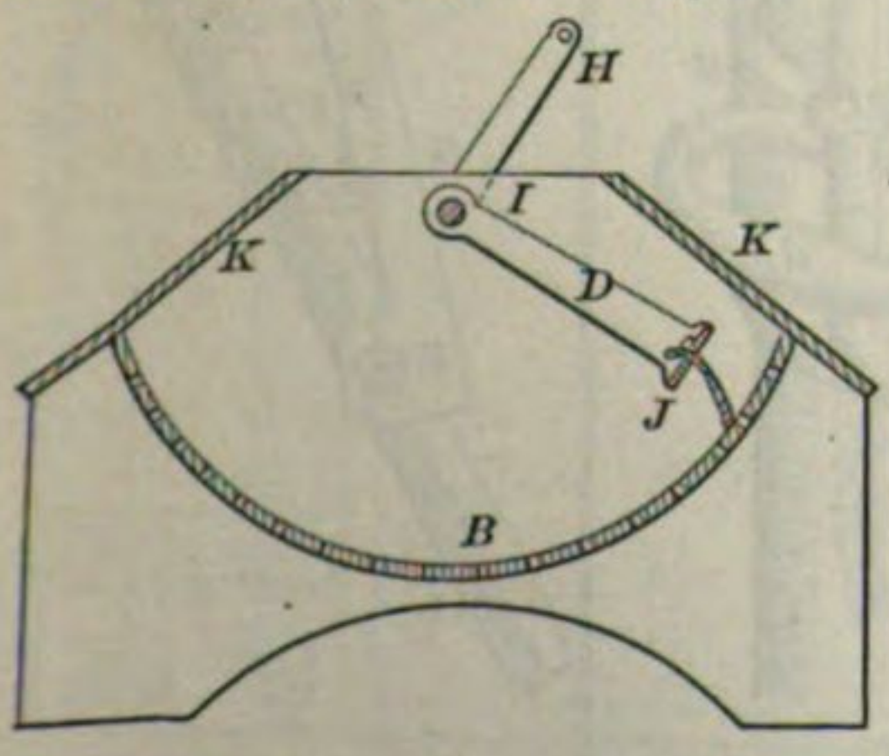


53639—Lusk & Wells—*Car Coupling.*

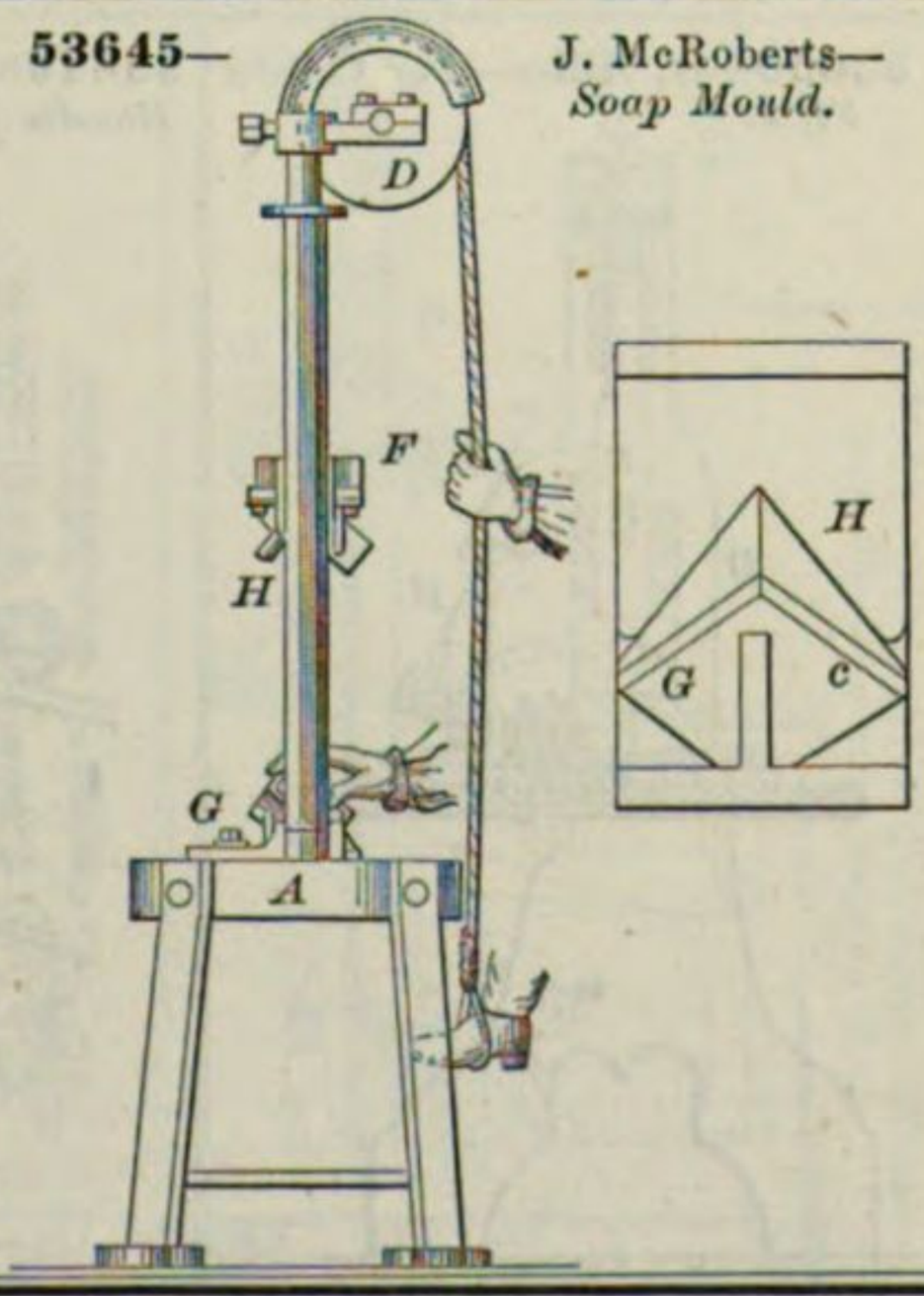
53637—J. R. Lomas—*Hinge.*



53644—W. C. McGill—*Flour Sifter.*



53645—J. McRoberts—*Soap Mould.*



53647—D. F. Mellen—*For Shaving Wood Screws.*

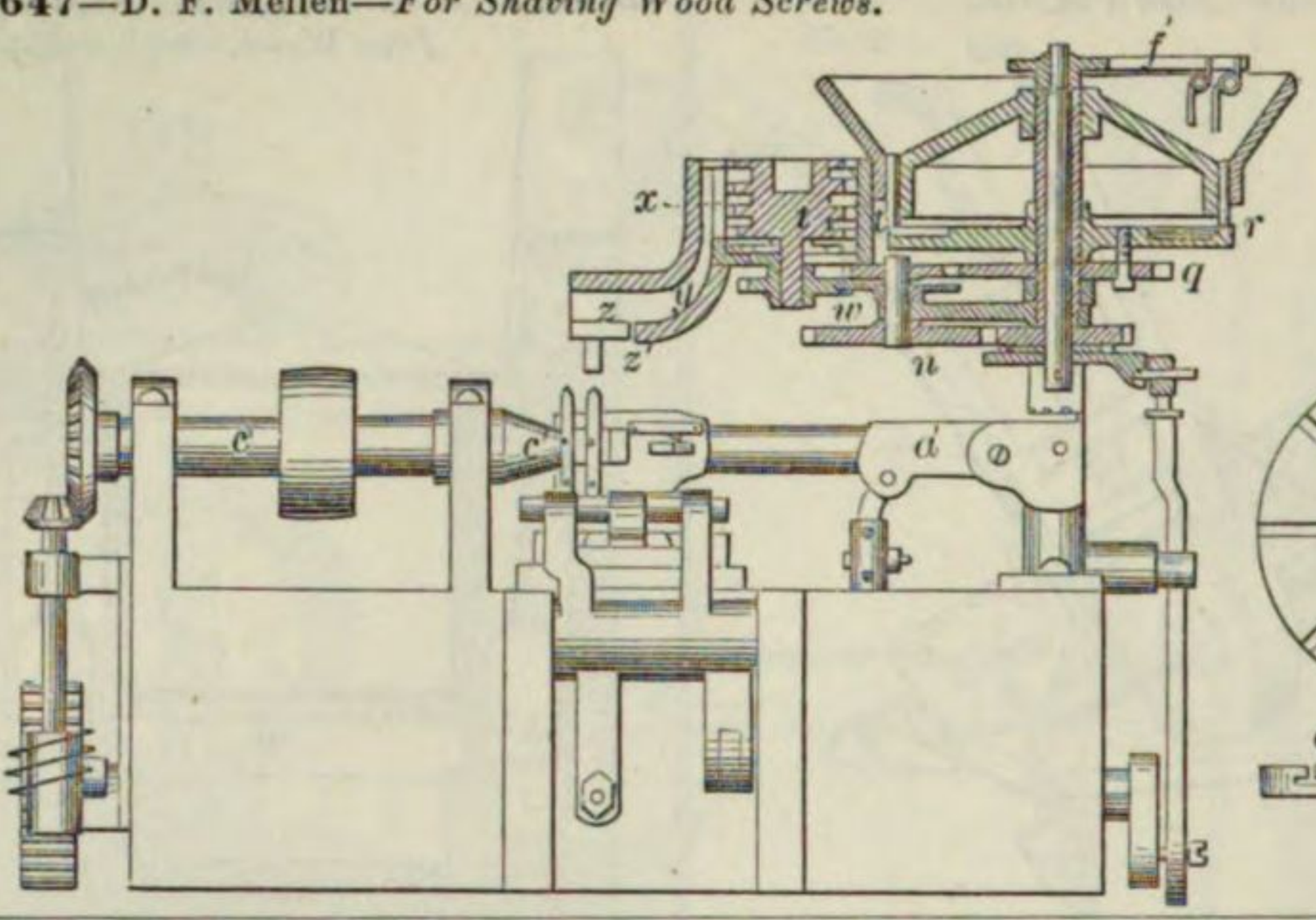
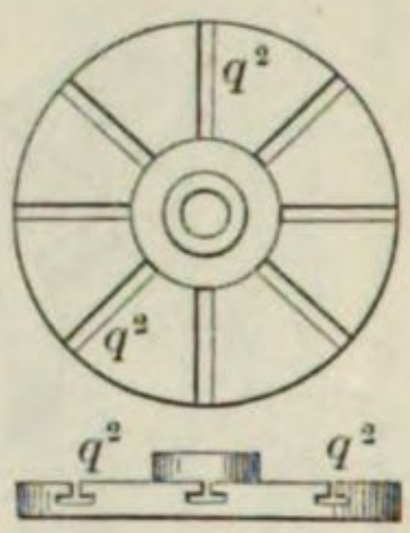
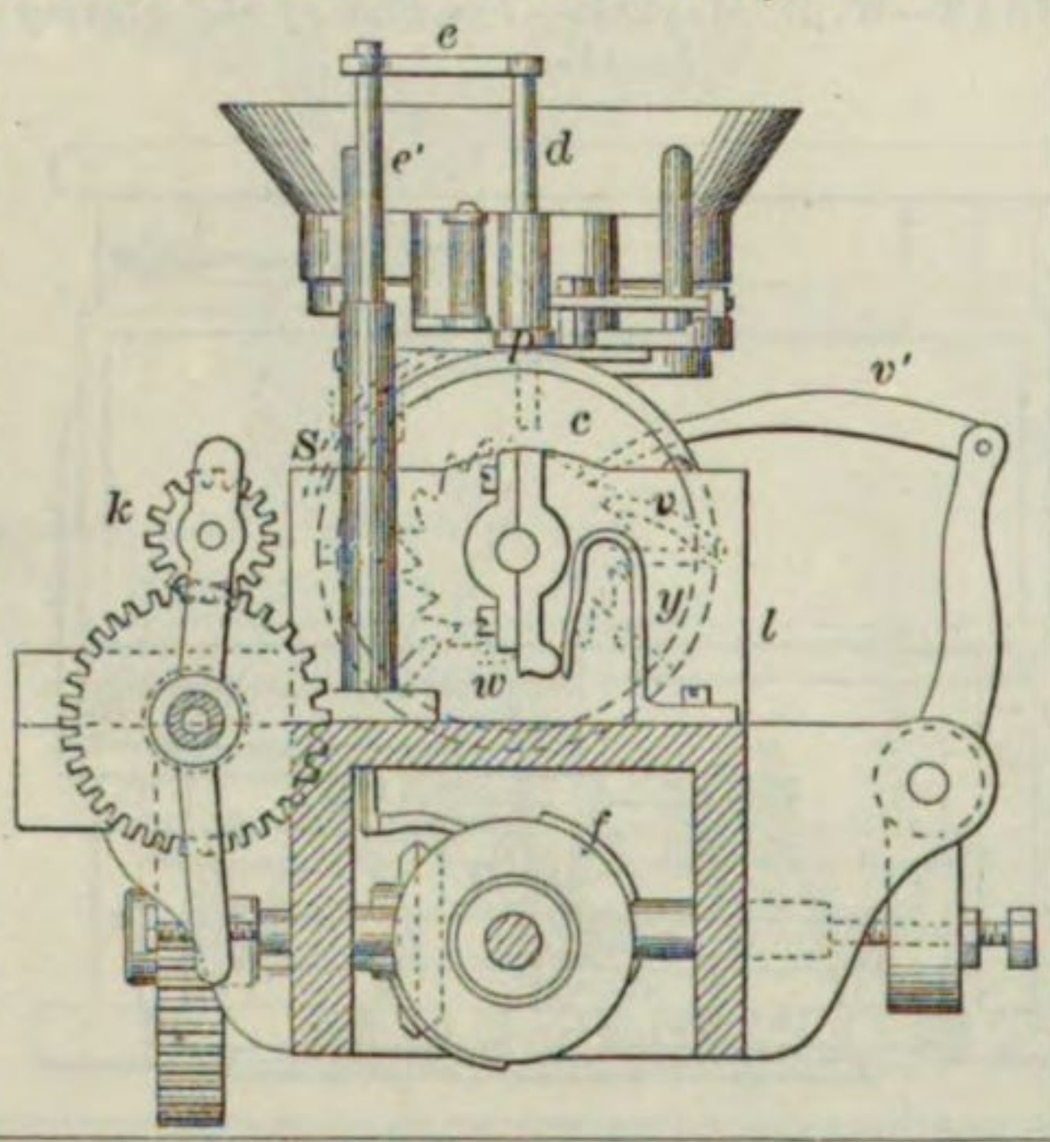


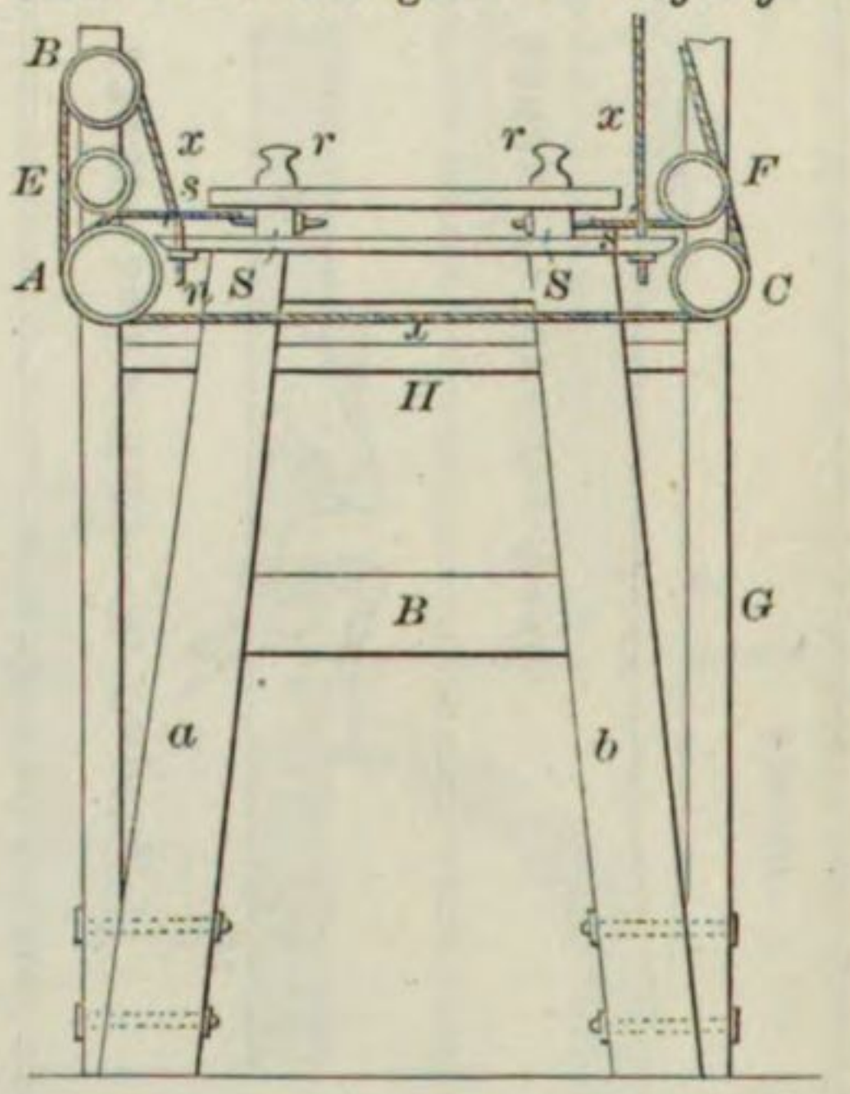
Fig. 5



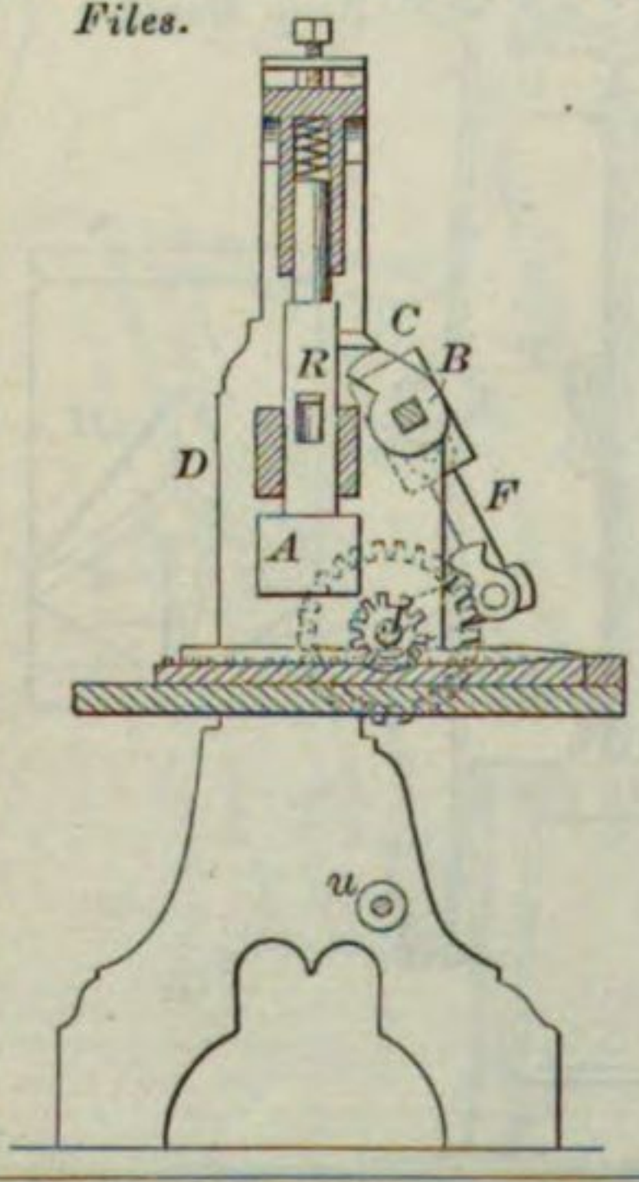
53648—D. F. Mellen—*For Nicking Screws.*



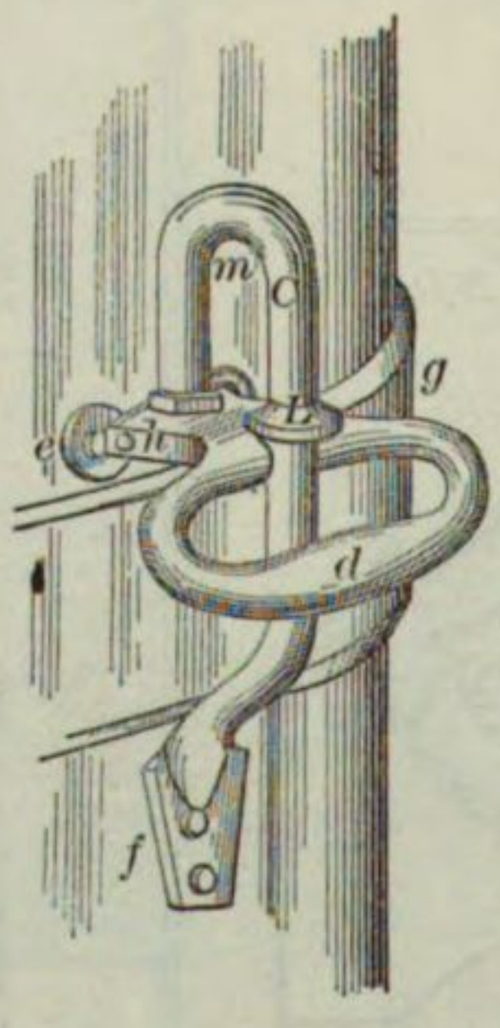
53651—P. F. Milligan—*Railway Signal.*



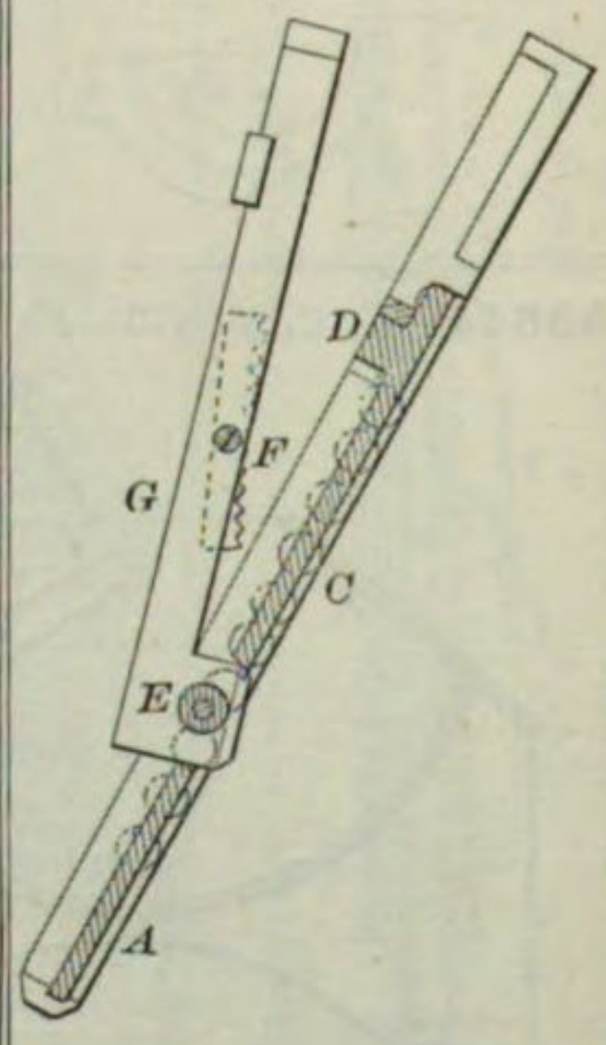
53650—G. Miller—*For Cutting Files.*



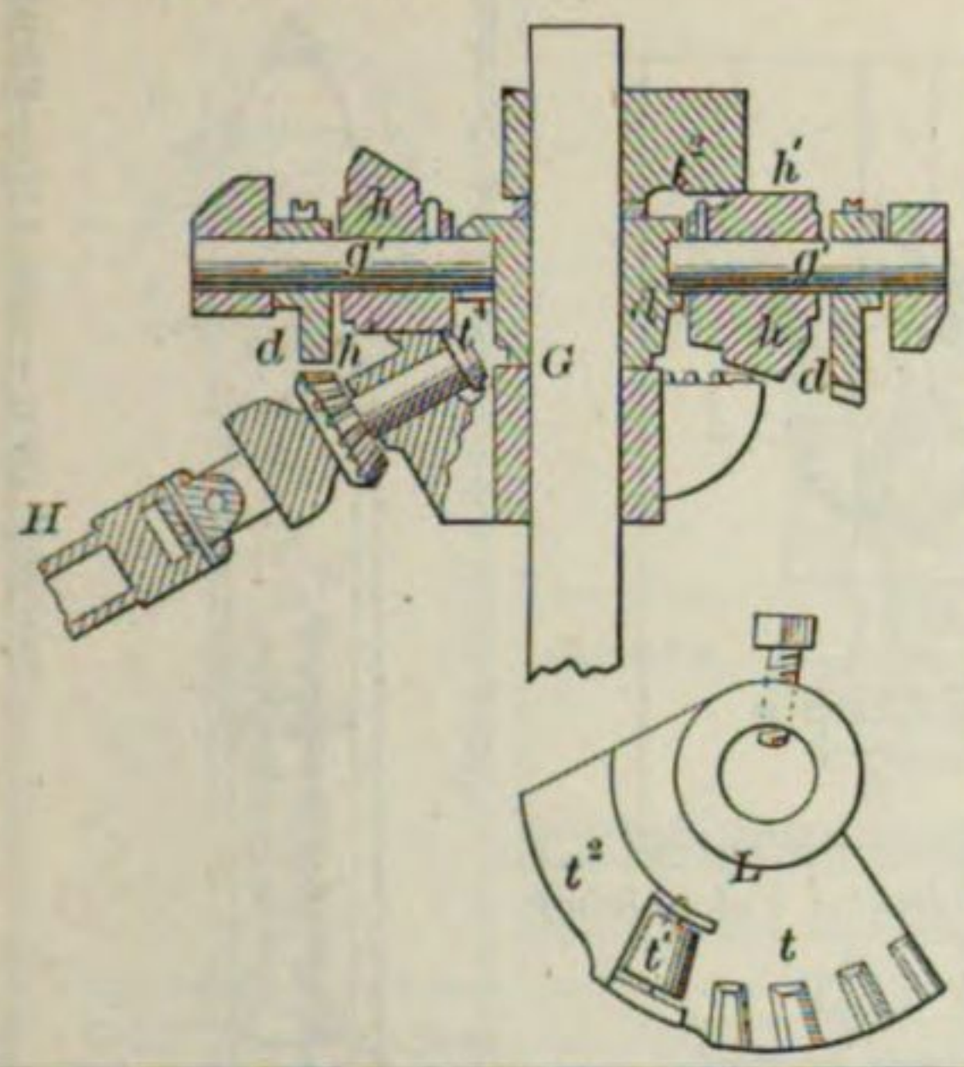
53649—C. Millar—*Handle for Milk Cans, &c.*



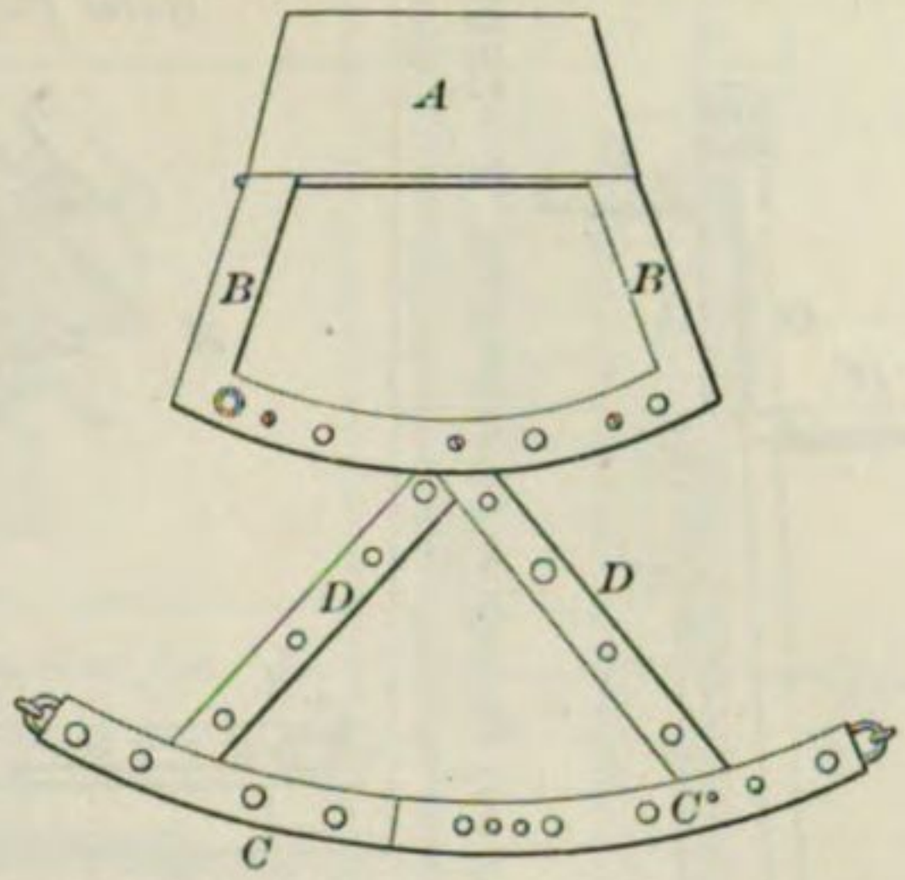
53652—H. C. Moody—*Washing Machine.*



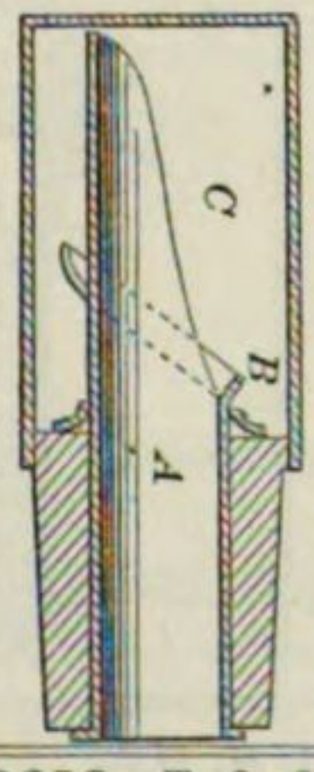
53653—C. Moul—*Harvester Rake.*



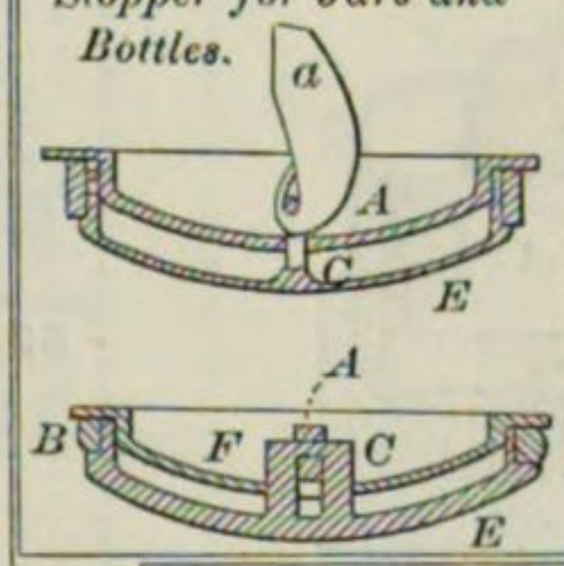
53654—J. H. Mumma—*Broom Head.*



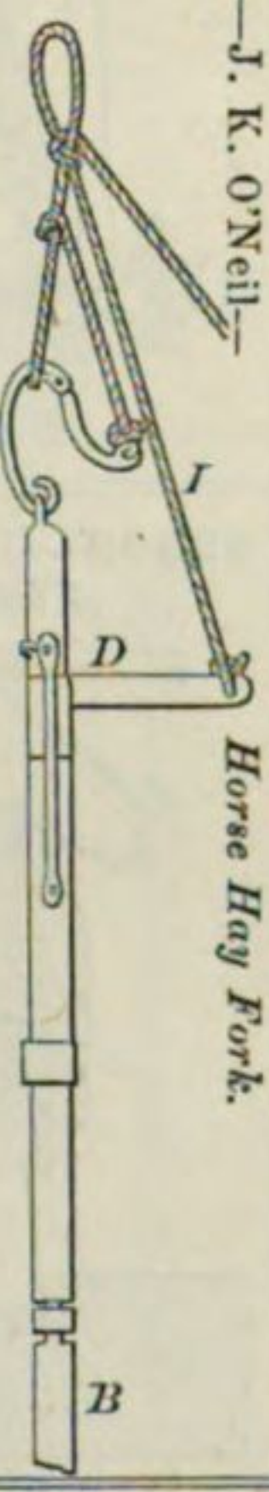
53655—L. B. Myers—*Stopper For Bottles.*



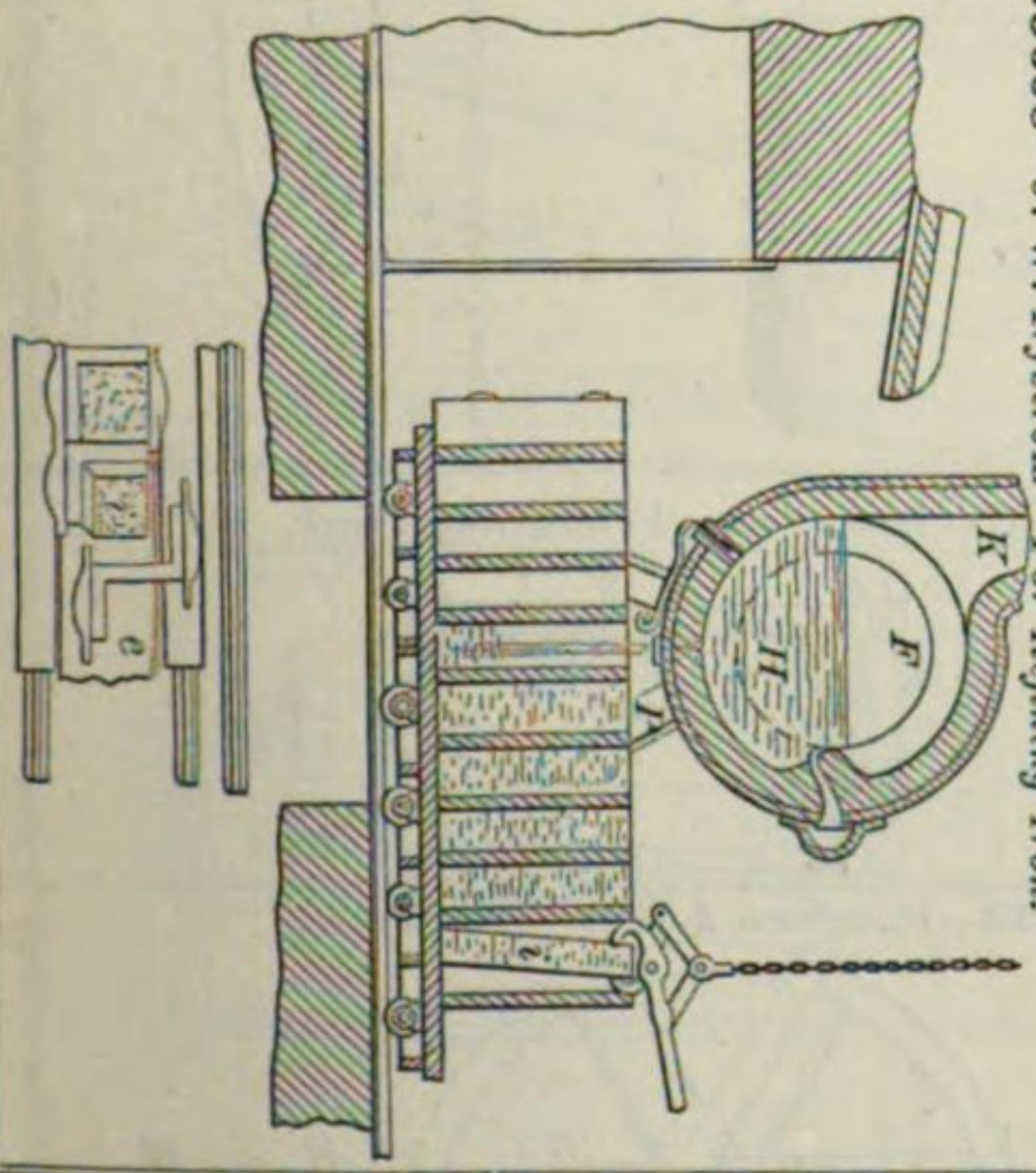
53659—T. O. Oliver—*Stopper for Jars and Bottles.*



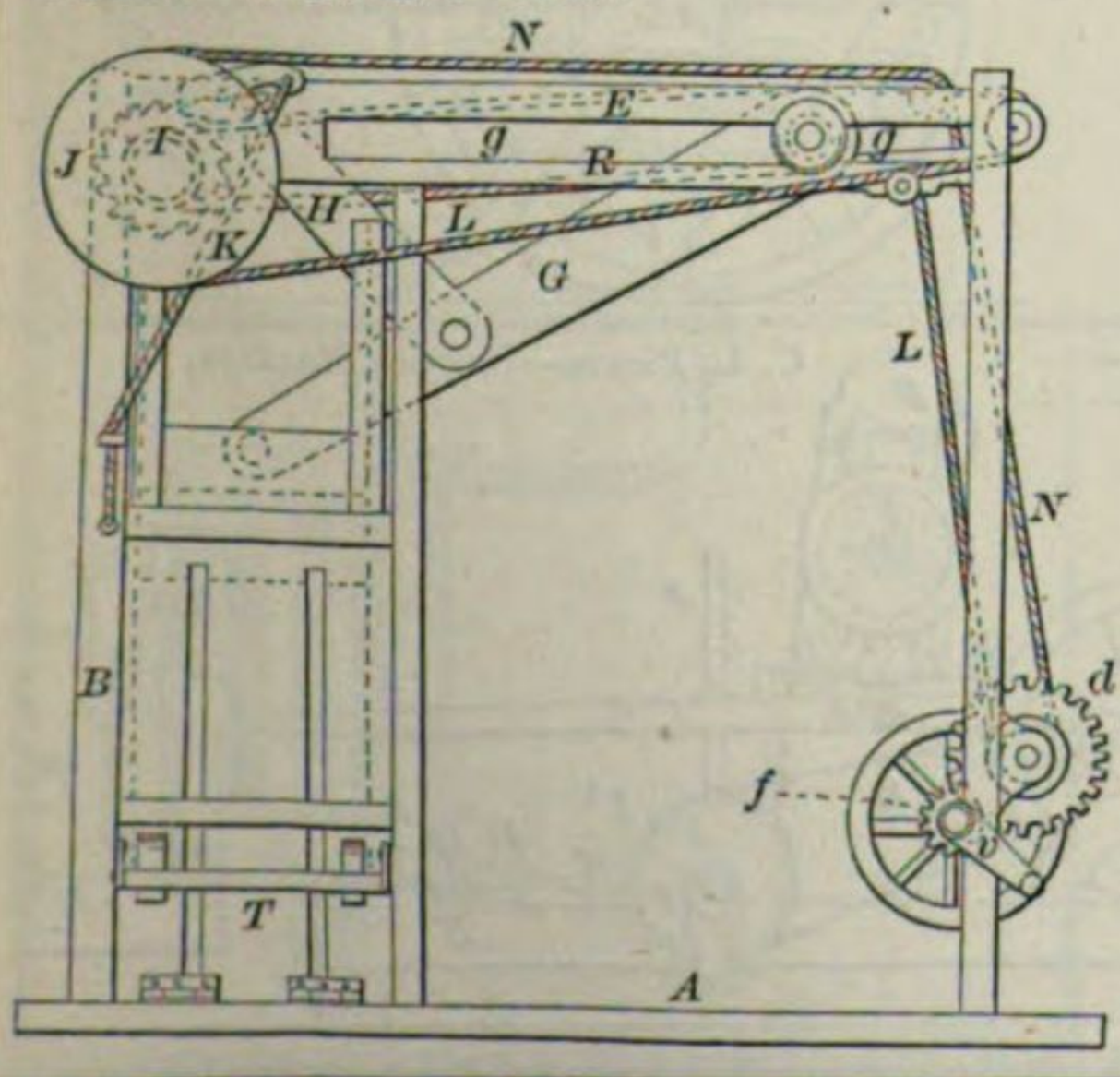
53660—J. K. O'Neil—*Horse Hay Fork.*



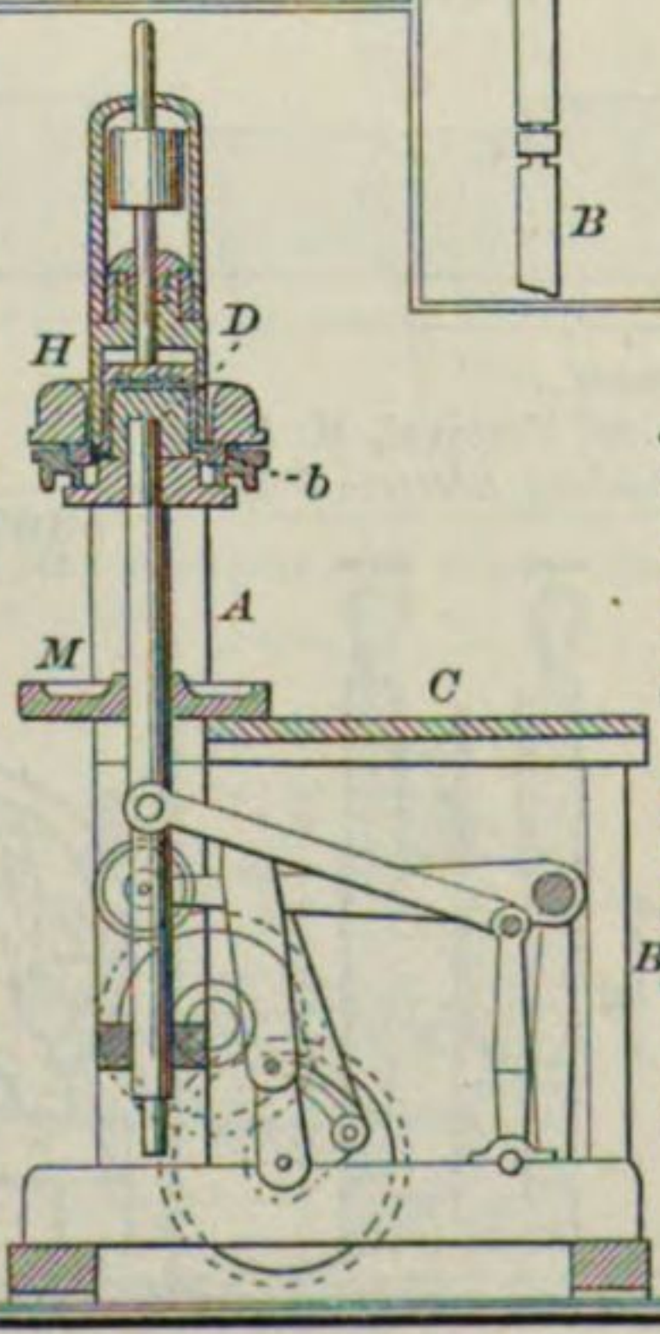
53658—J. W. Nystrom—*Machine for Refining Iron.*



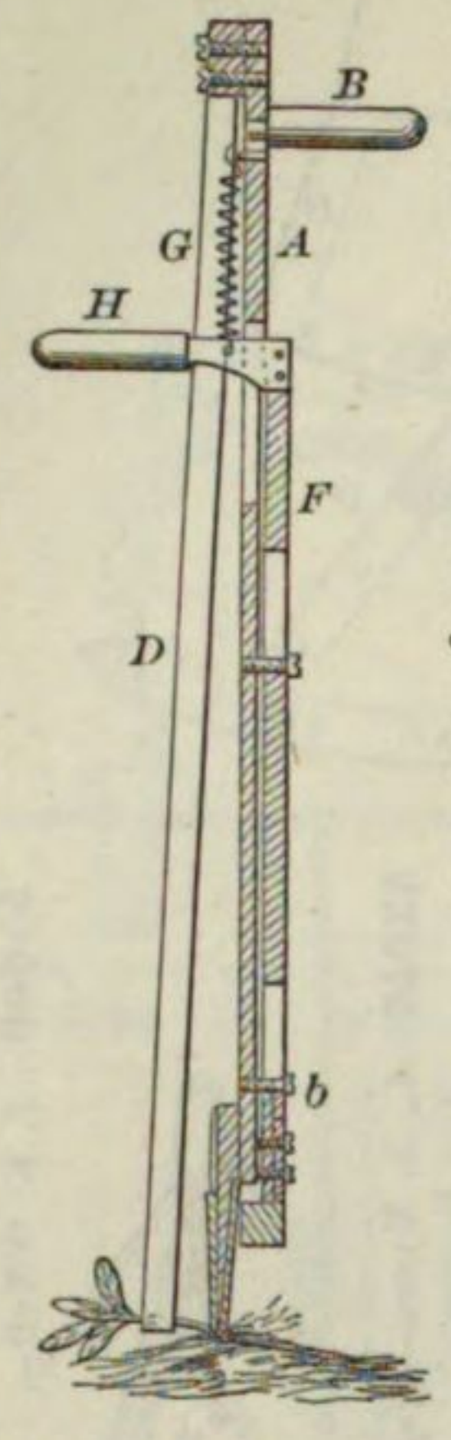
53657—W. Norman—*Press.*



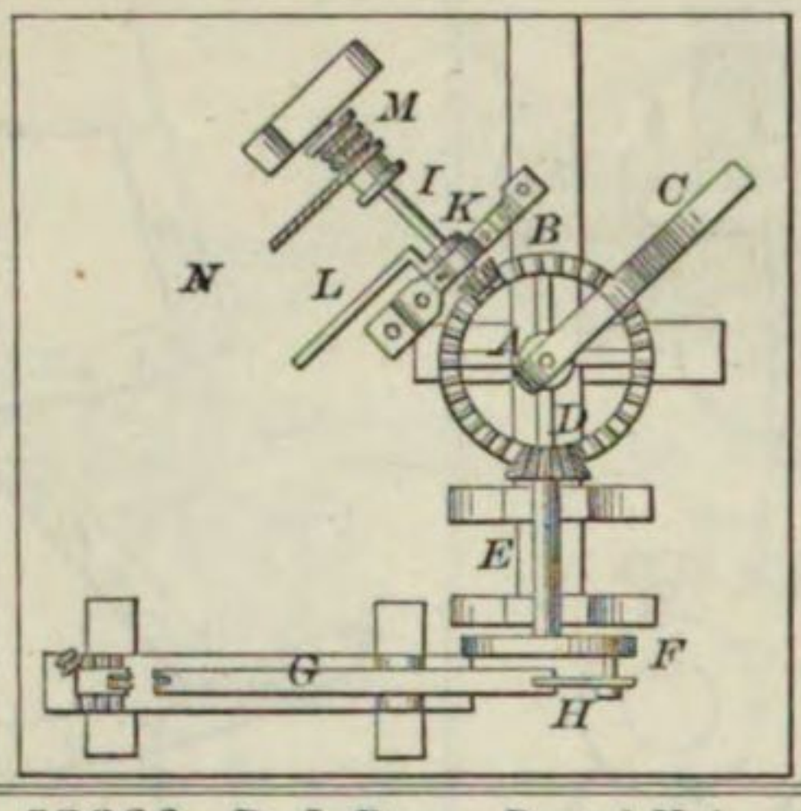
53661—Osterheld & Eickmeyer—*Machine for Blocking and Shaping Hats.*



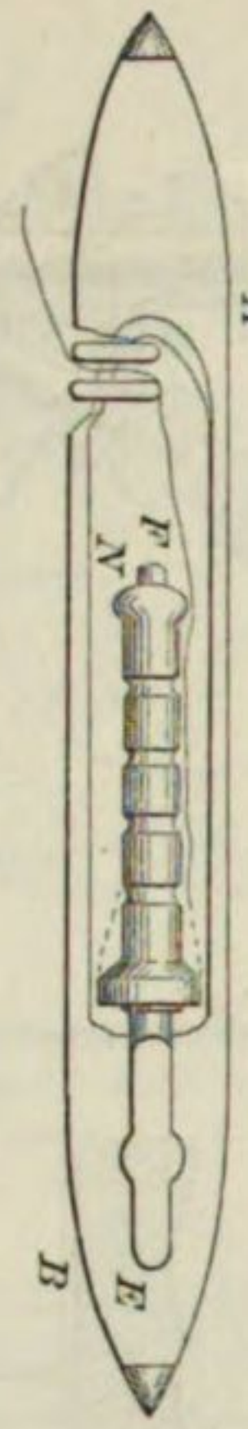
53662—E. W. Packer—*For Setting Out Plants.*



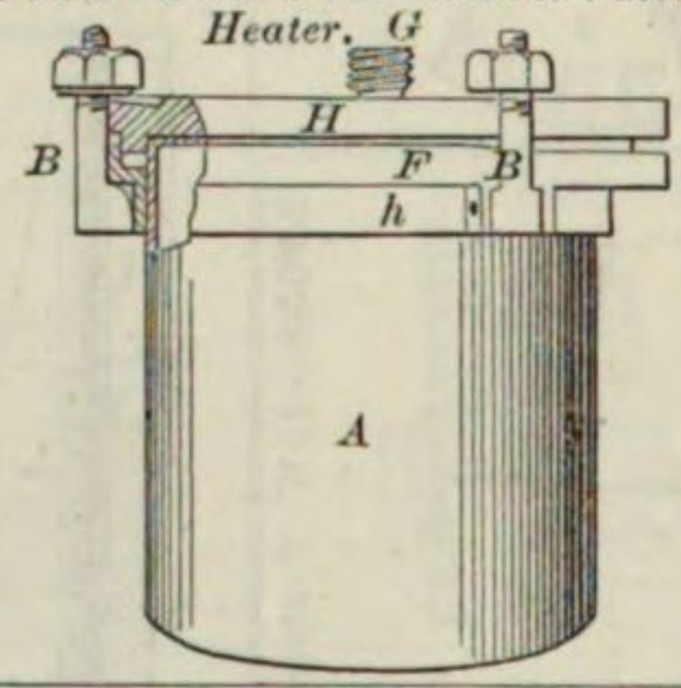
53664—Partridge & Johnson—*Horse Power.*



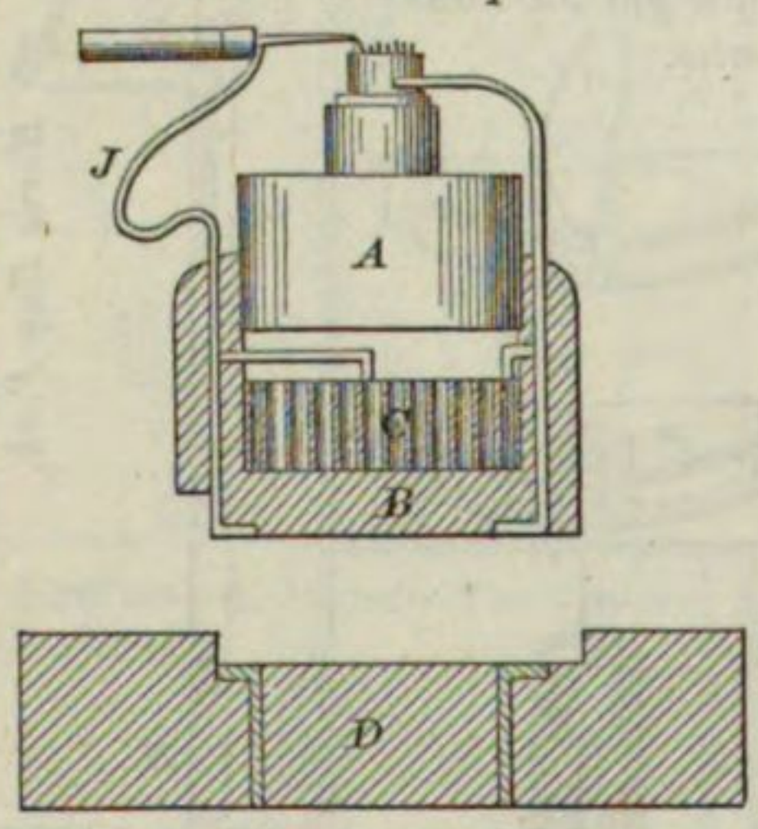
53665—O. Pearl—*Weft Bobbin.*



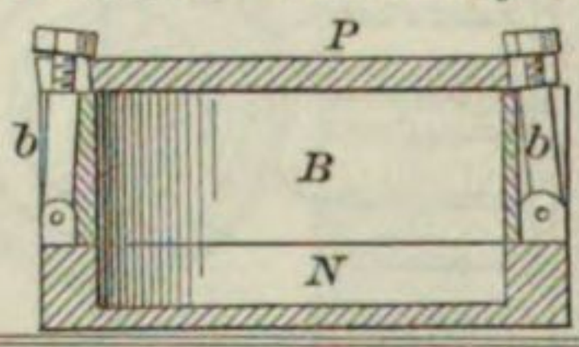
53666—D. J. Peer—*Dental Vulcanizing Heater.*



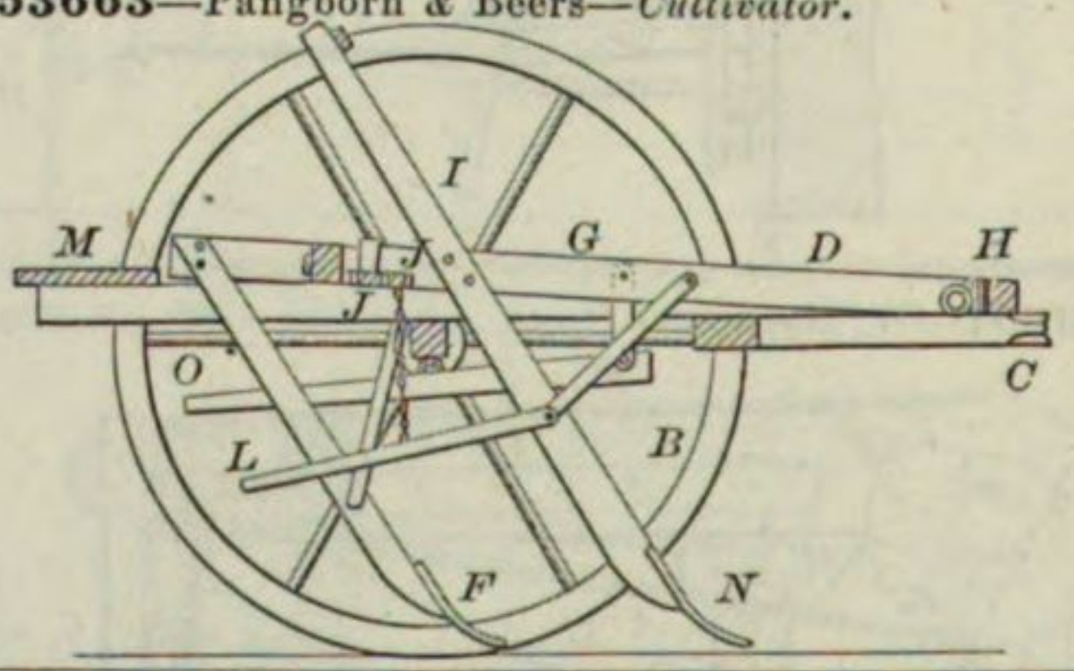
53669—G. G. Percival, M. D.—*Electrical Lamp.*



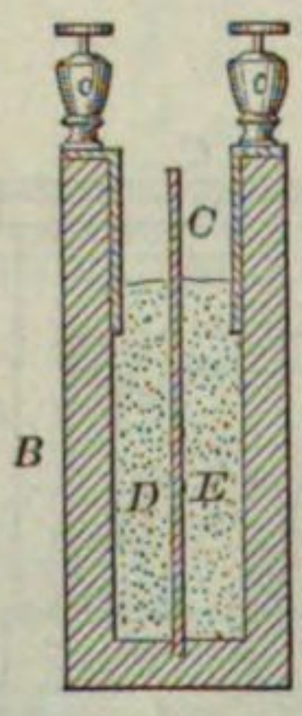
53667—D. J. Peer—*Vulcanizing Flask.*



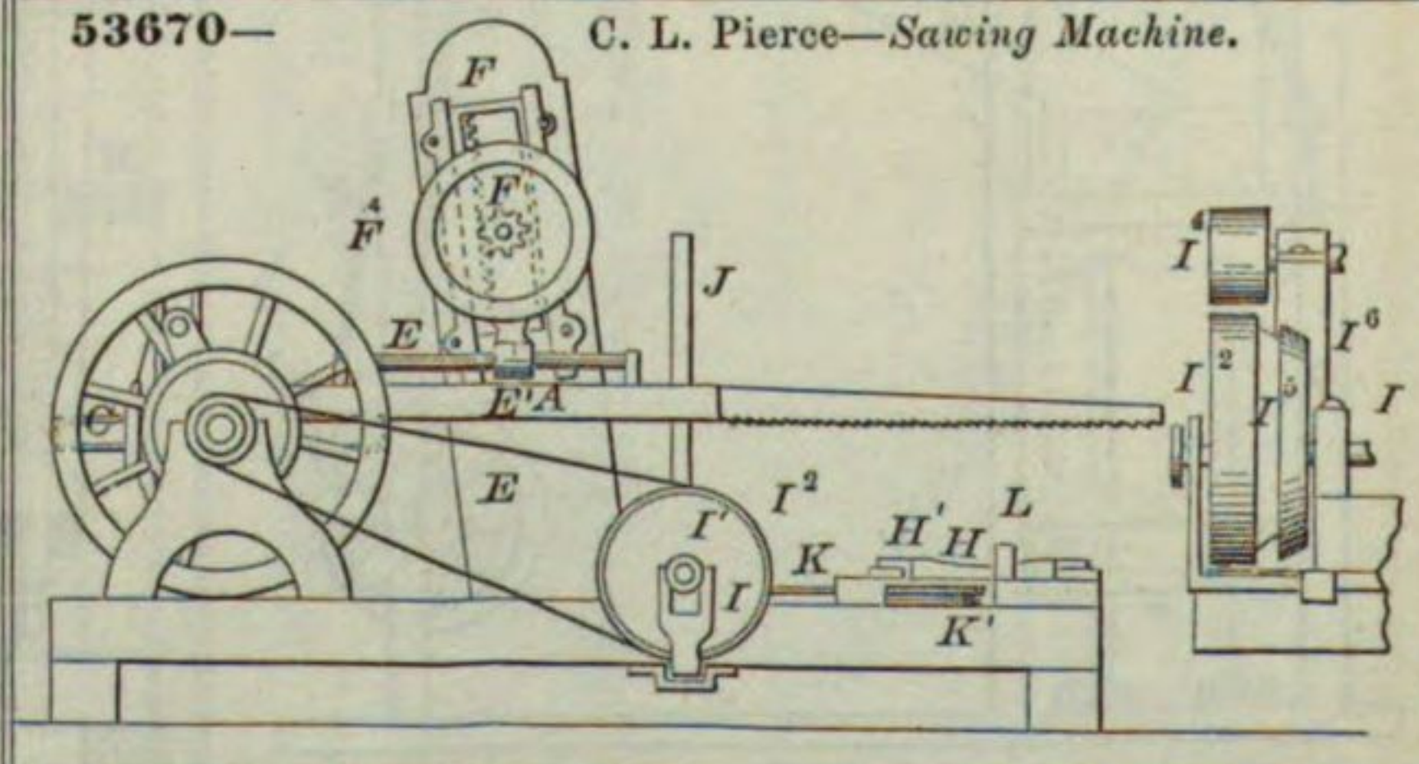
53663—Pangborn & Beers—*Cultivator.*



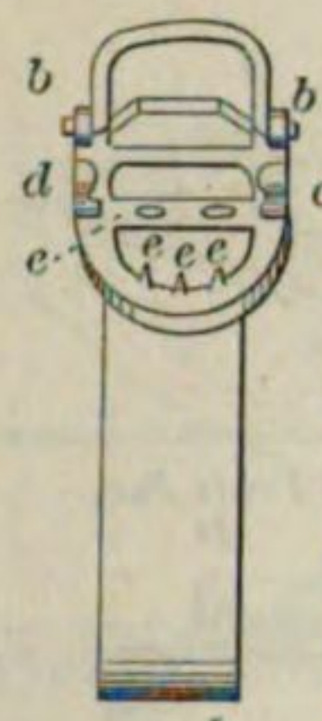
53668—G. G. Percival, M. D.—*Secondary Electric Pile.*



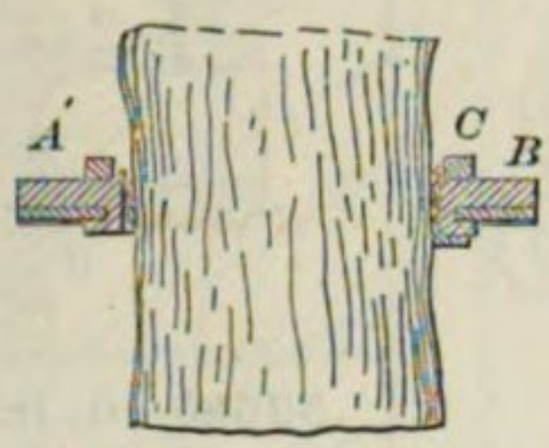
53670—C. L. Pierce—*Sawing Machine.*



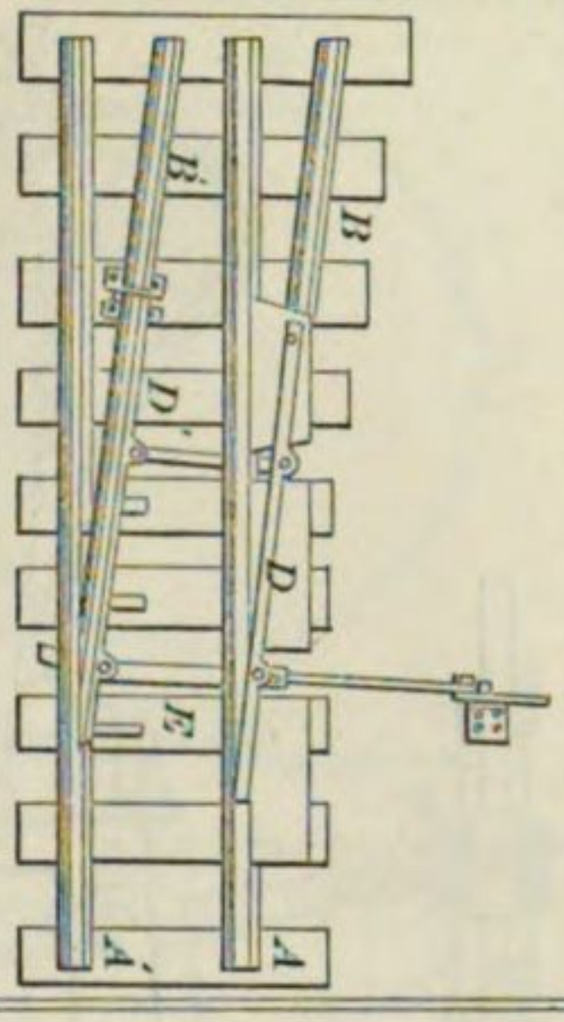
53671—G. D. Pike—*Spring Lever Clasp.*



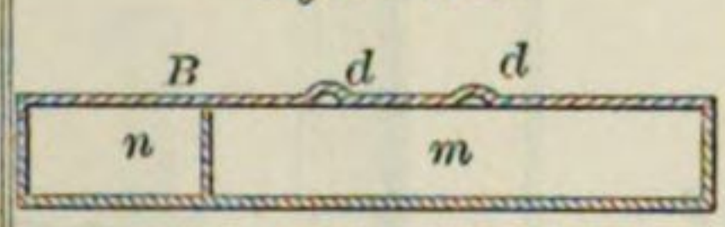
53672—J. L. Piper—*Tree Protector.*



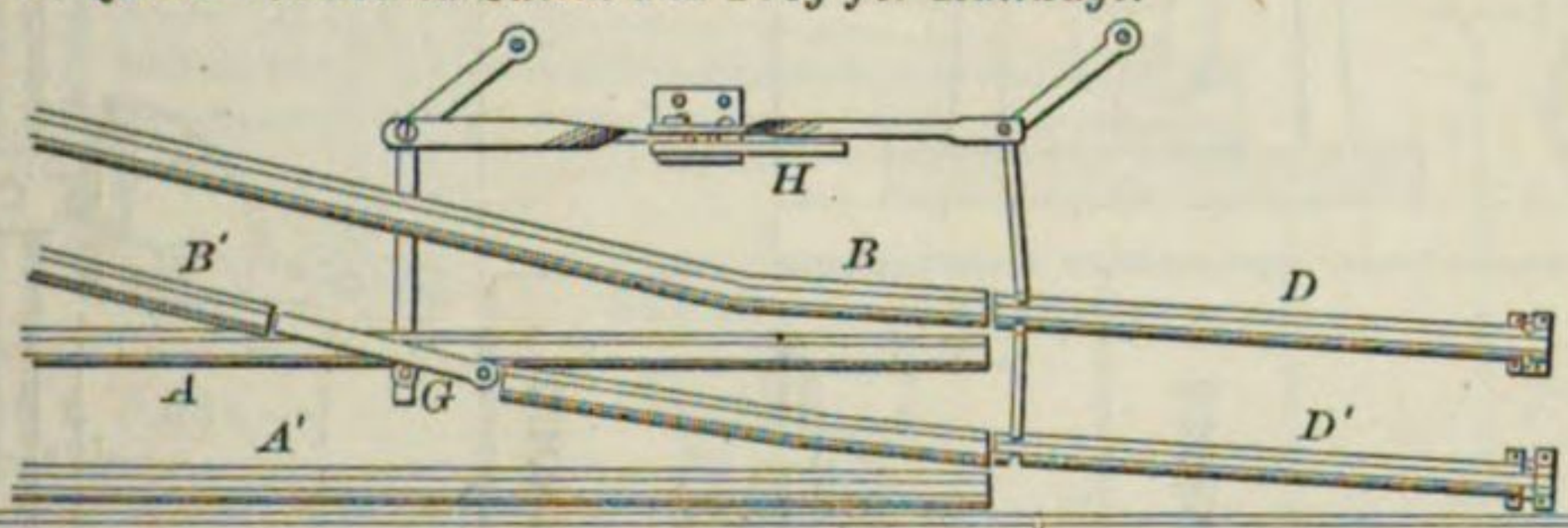
53674—P. Quinn—*Railway Switch.*



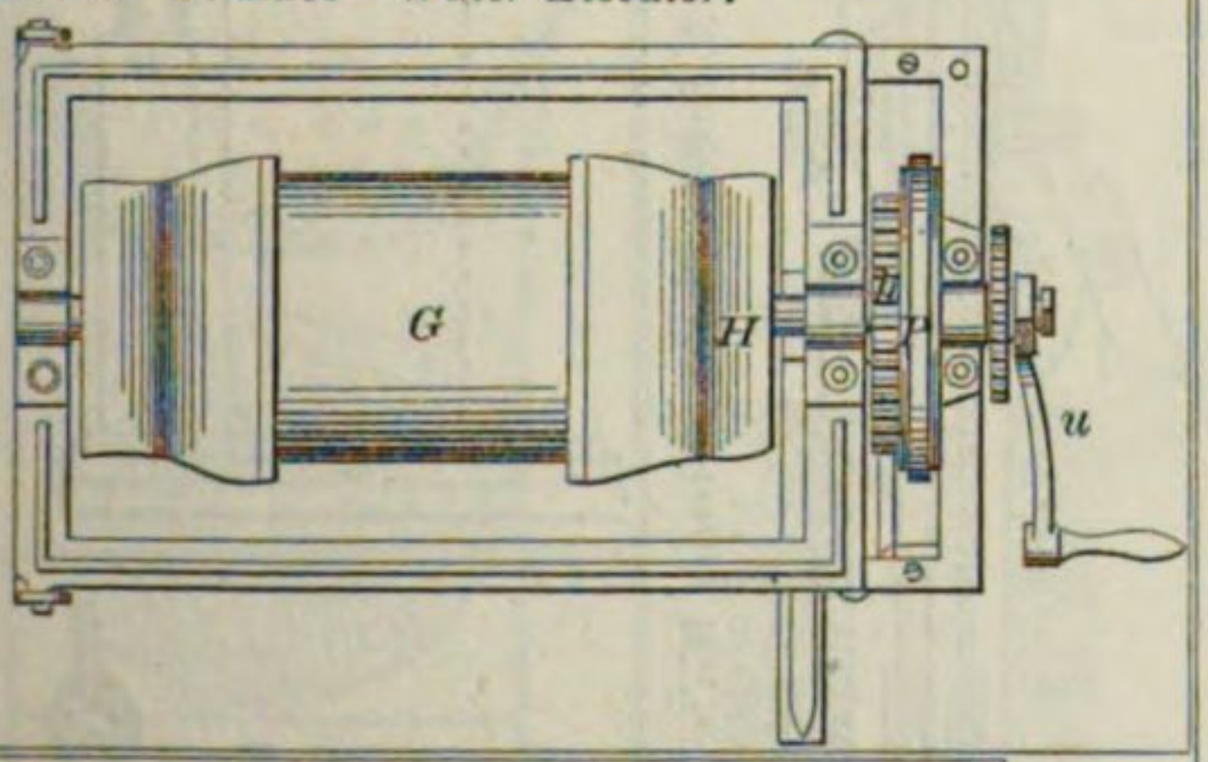
53678—H. Reimann—*Box for Cigar Fuses.*



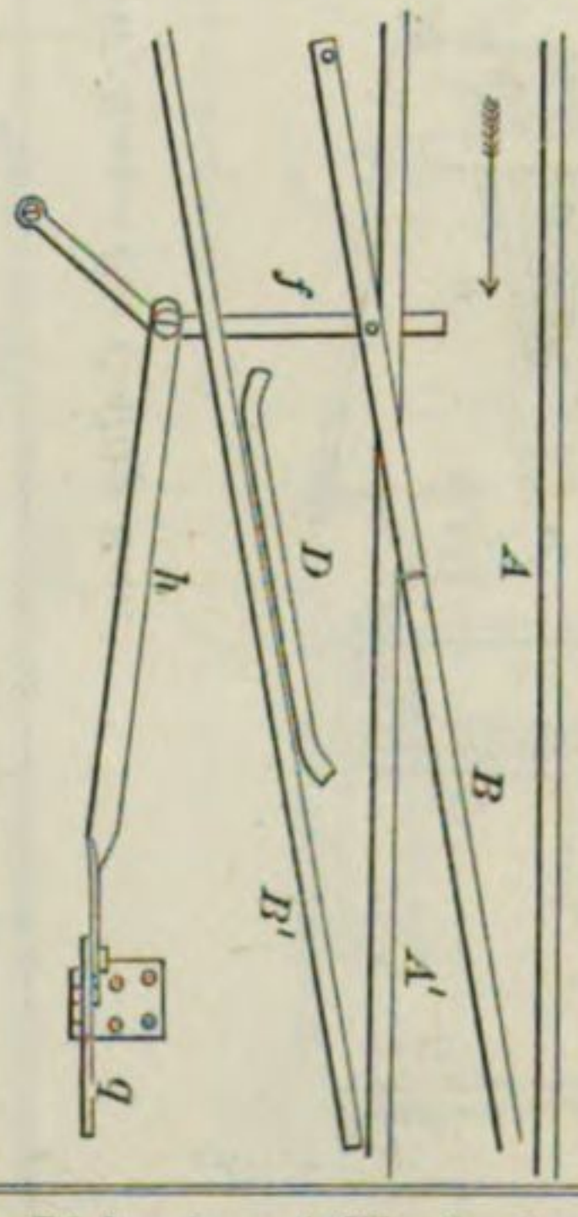
53675—P. Quinn—*Combined Switch and Frog for Railways.*



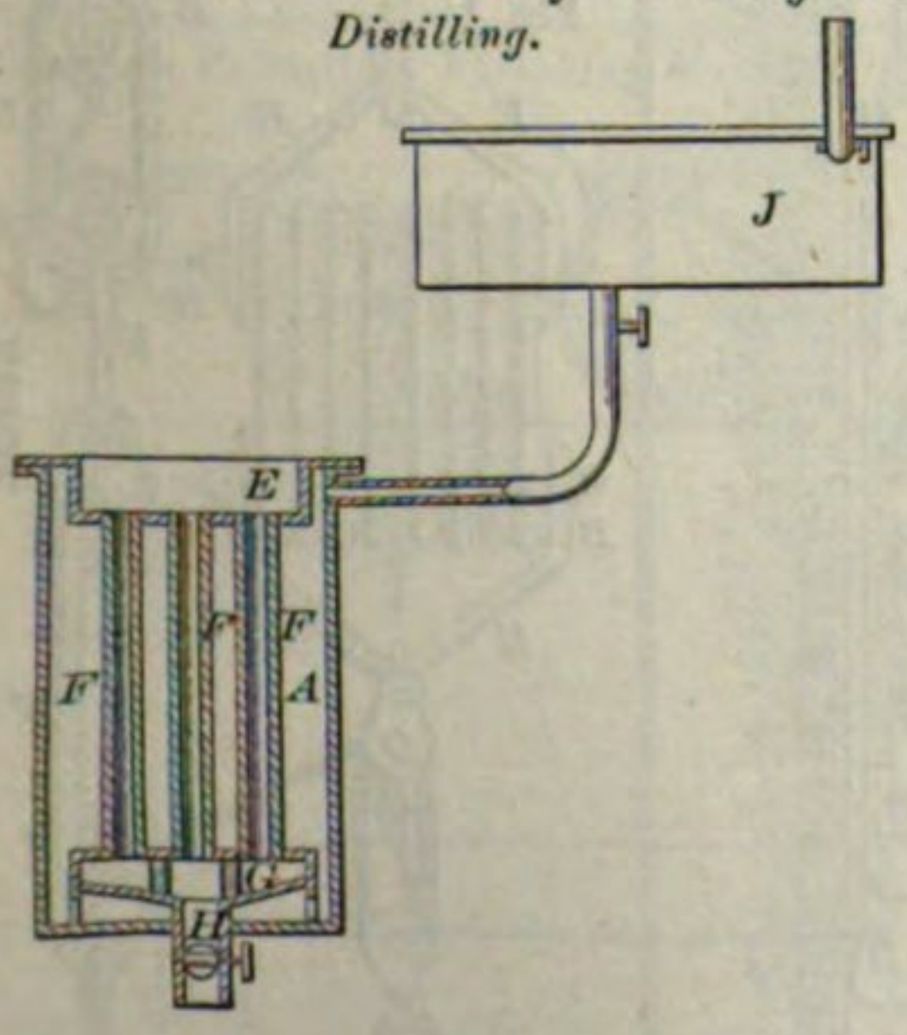
53676—G. Race—*Water Elevator.*



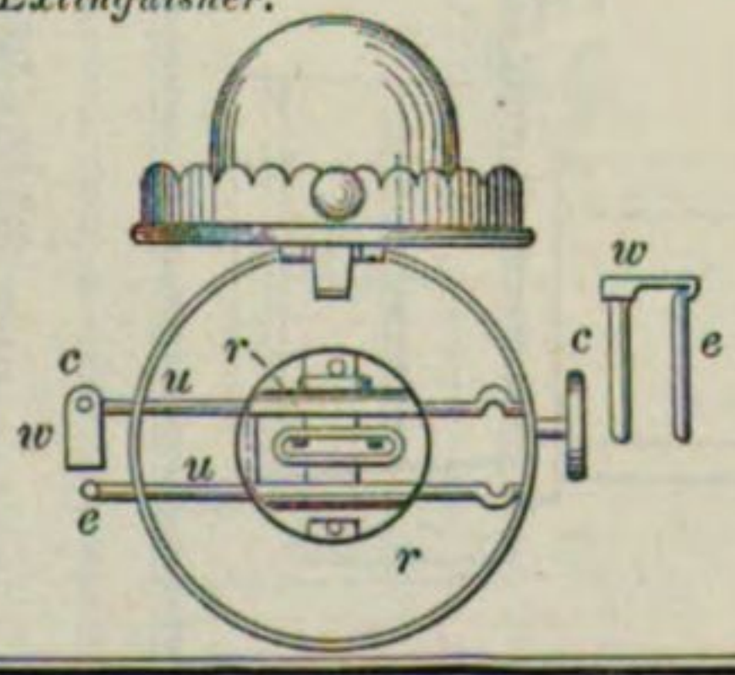
53673—P. Quinn—*Railway Frog.*



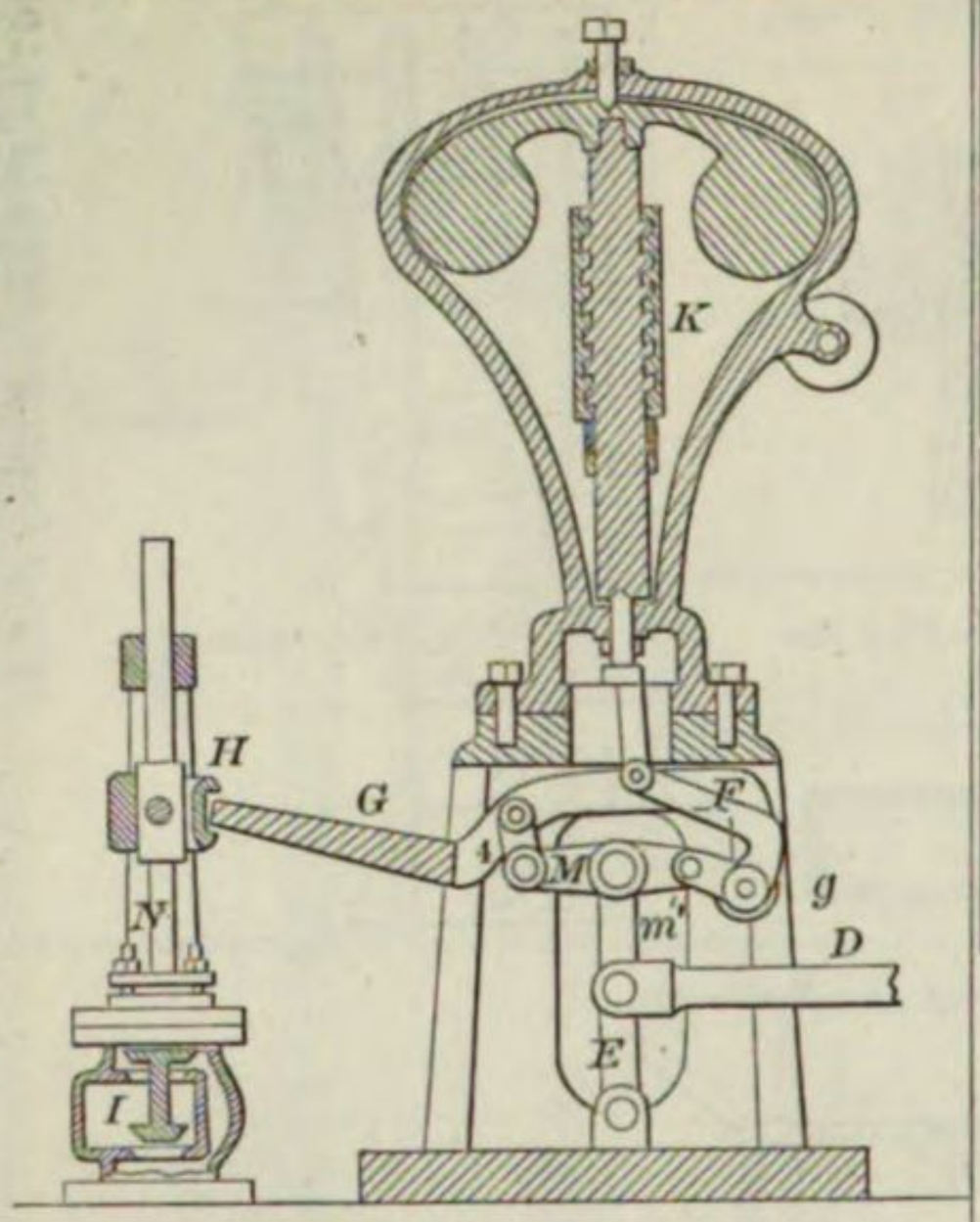
53677—L. Reich—*Cooler for Brewing and Distilling.*



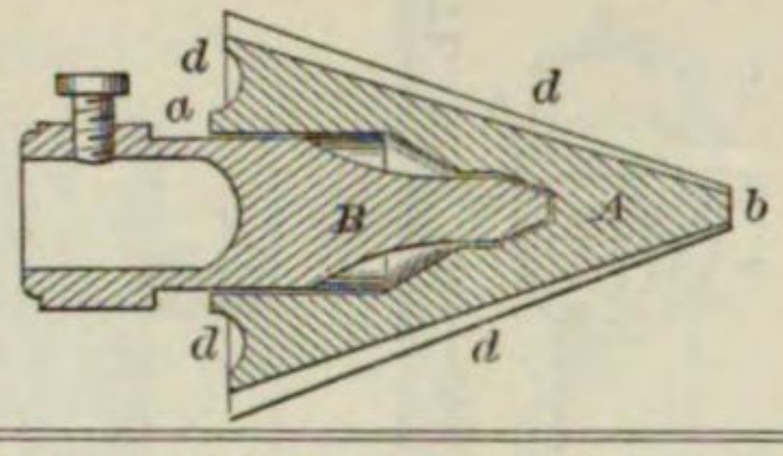
53679—Richardson & Ward—*Lamp Extinguisher.*



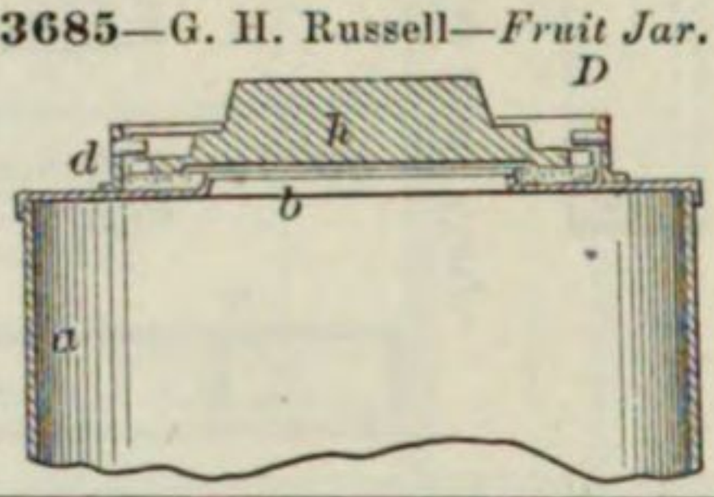
53680—J. T. Rich—*Cut-off Valve Gear.*



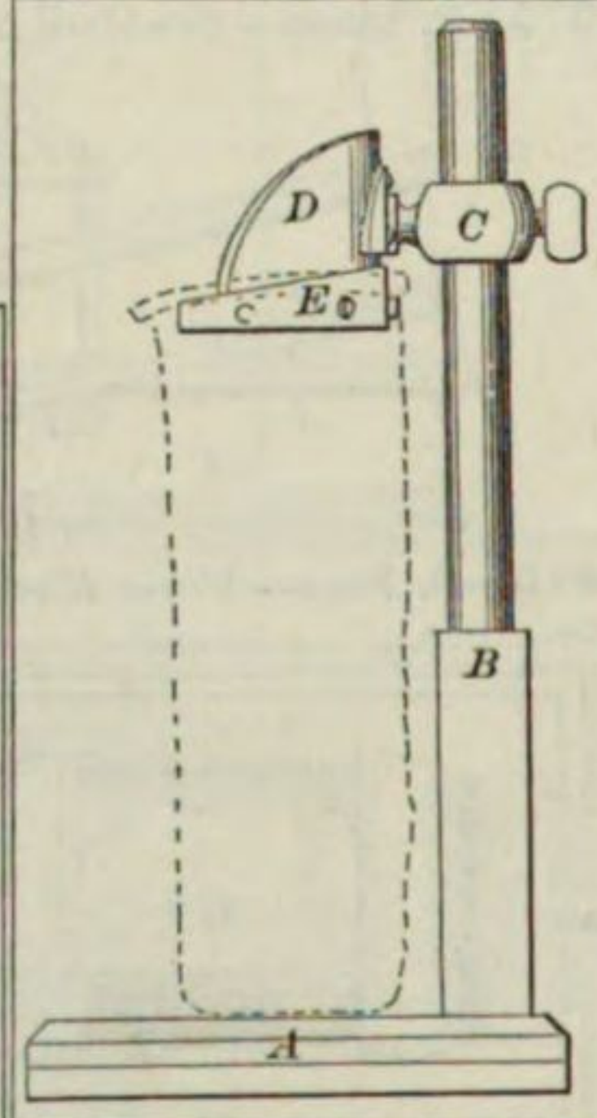
53683—R. Rothwell—*Lathe Chuck.*



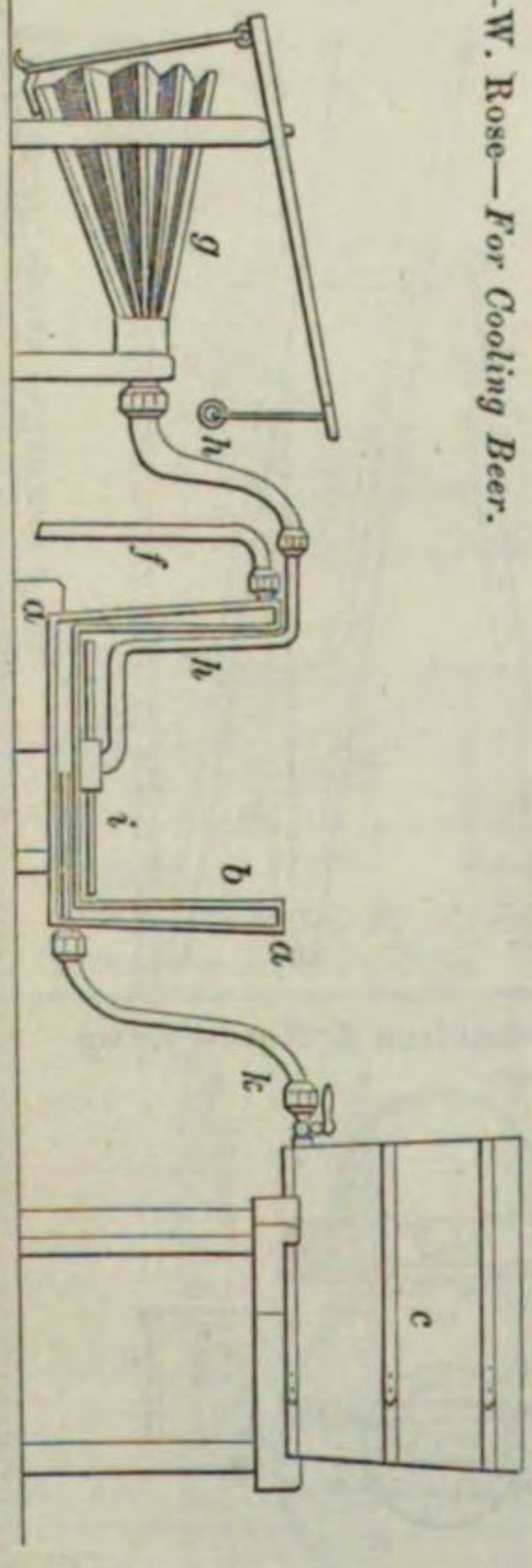
53685—G. H. Russell—*Fruit Jar.*



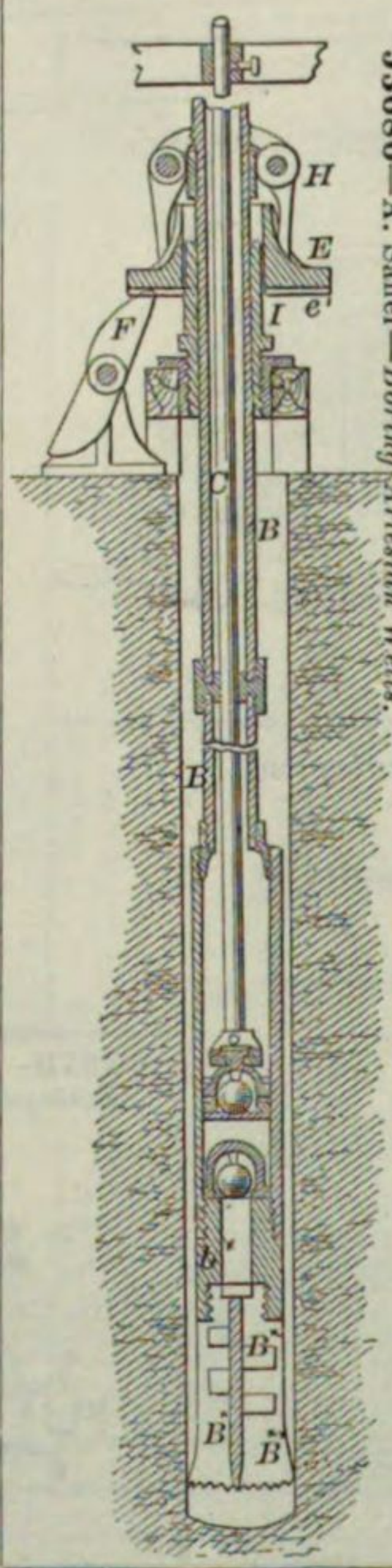
53681—S. S. Rockwell—*Bag Holder.*



53682—W. Rose—*For Cooling Beer.*



53686—A. Saffer—*Boring Artesian Wells.*



53684—T. W. Roys—*For Raising Sunken Whales and other Bodies.*

Fig. 1

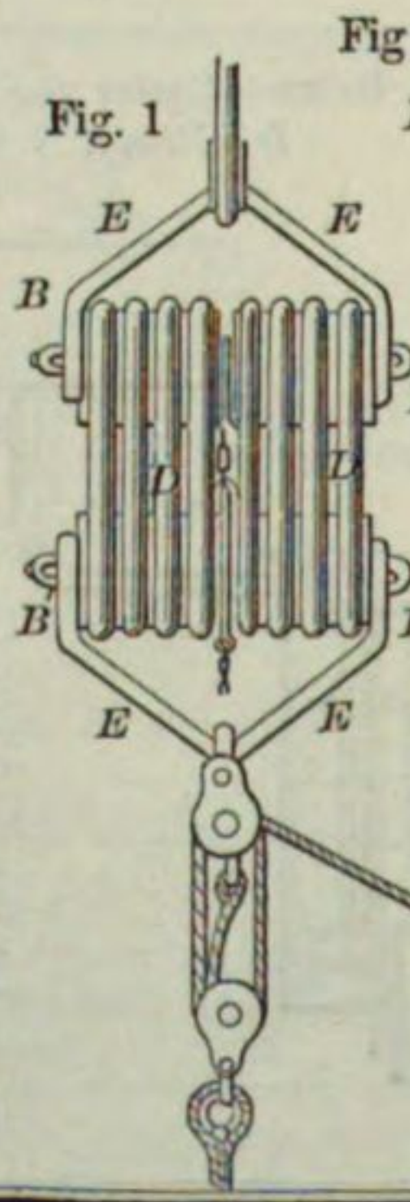
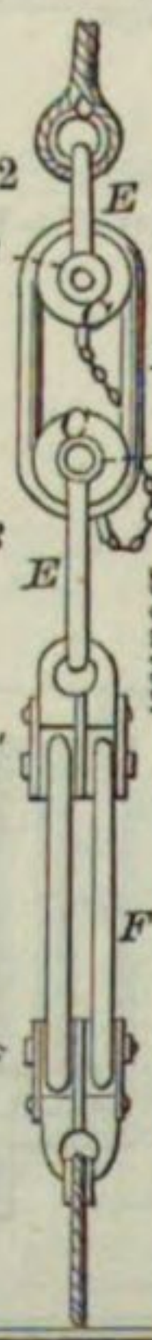
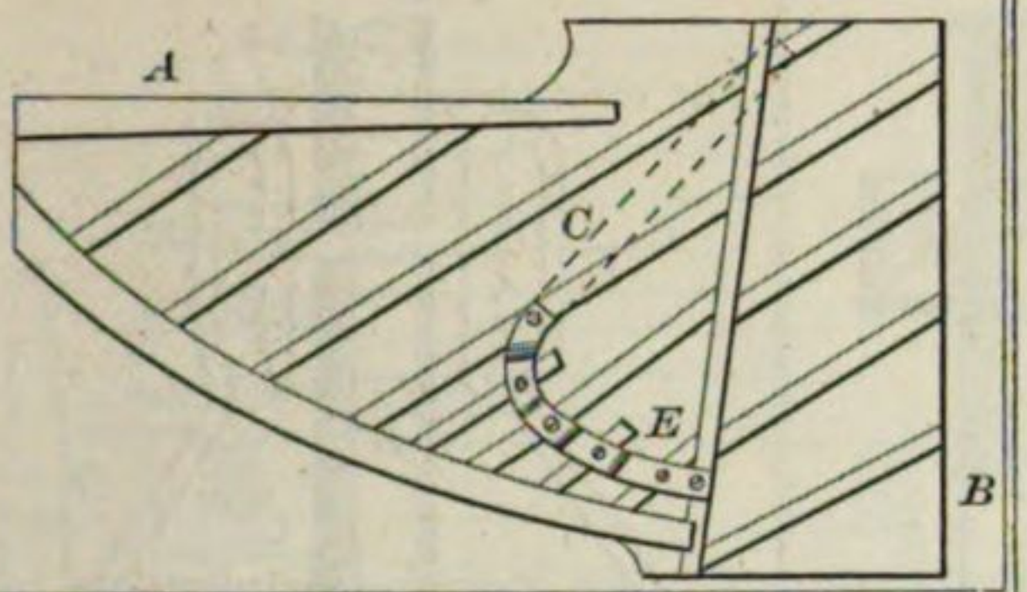


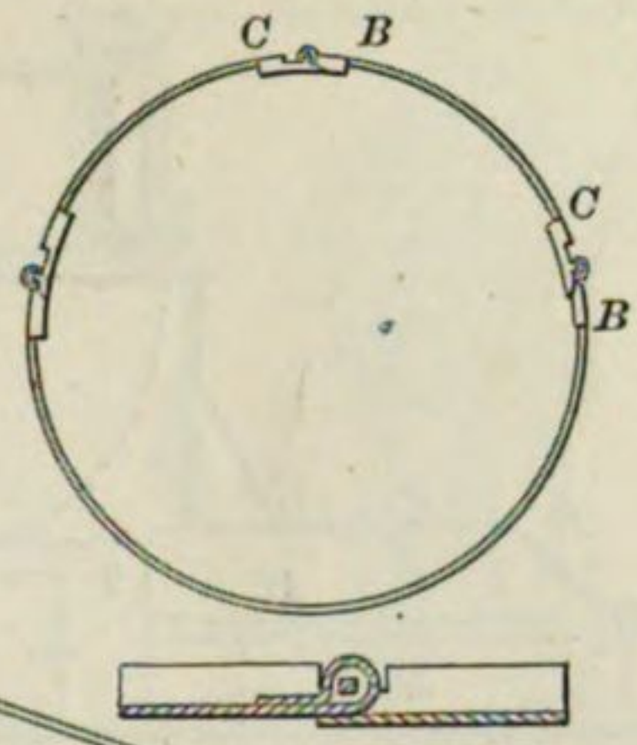
Fig. 2



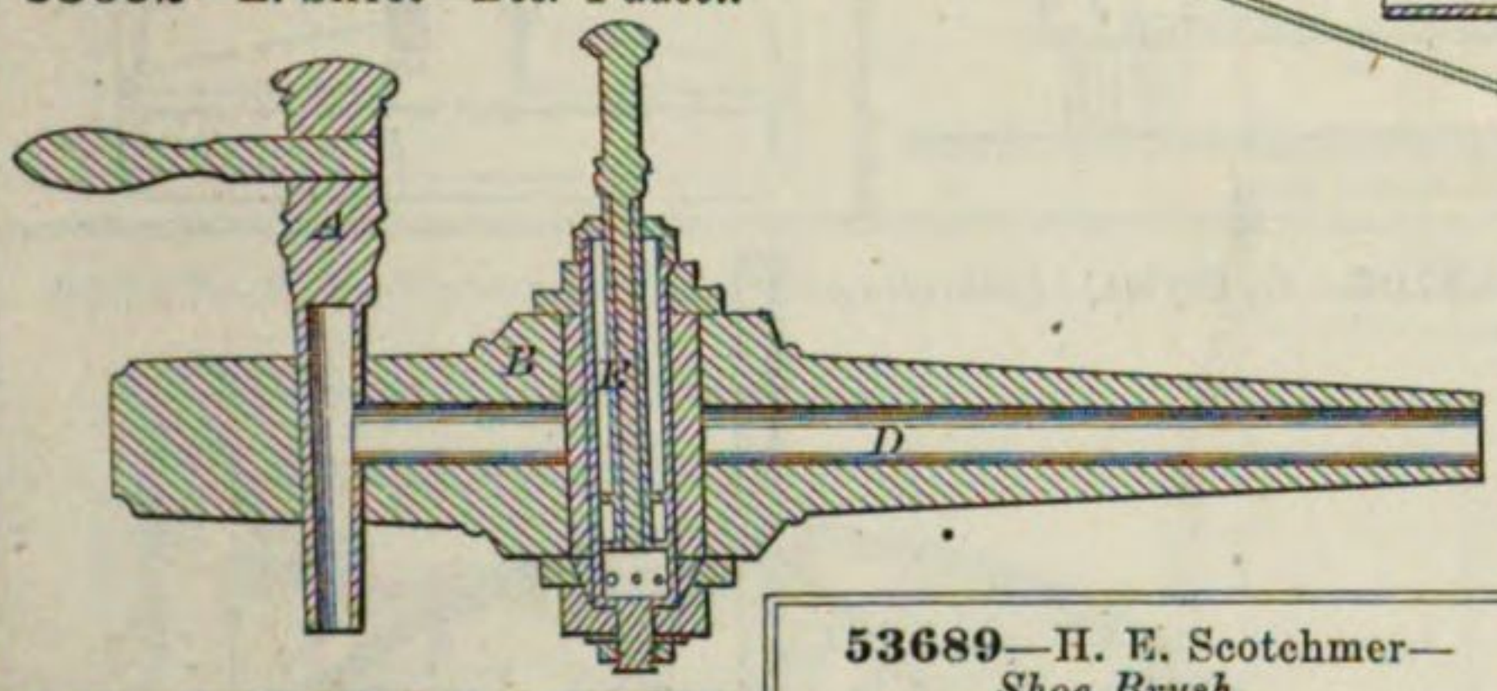
53687—P. Schuler—*Sound Board for Pianos.*



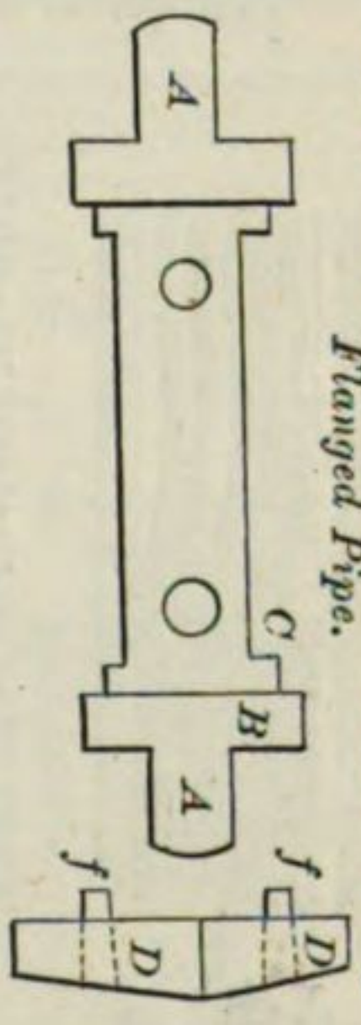
53691—S. J. Sherman—*Skeleton Skirt.*



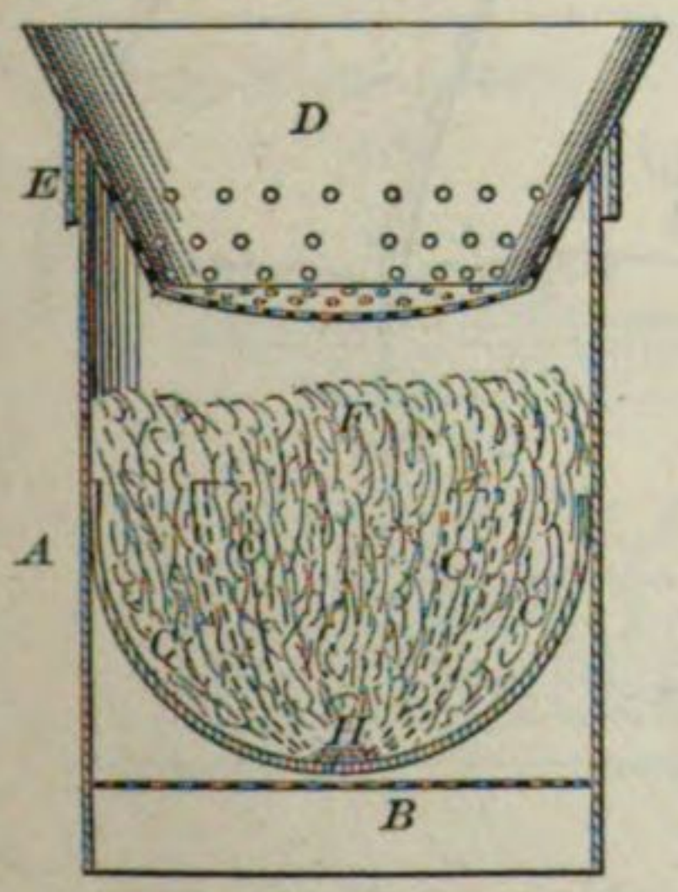
53692—E. Sirret—*Beer Faucet.*



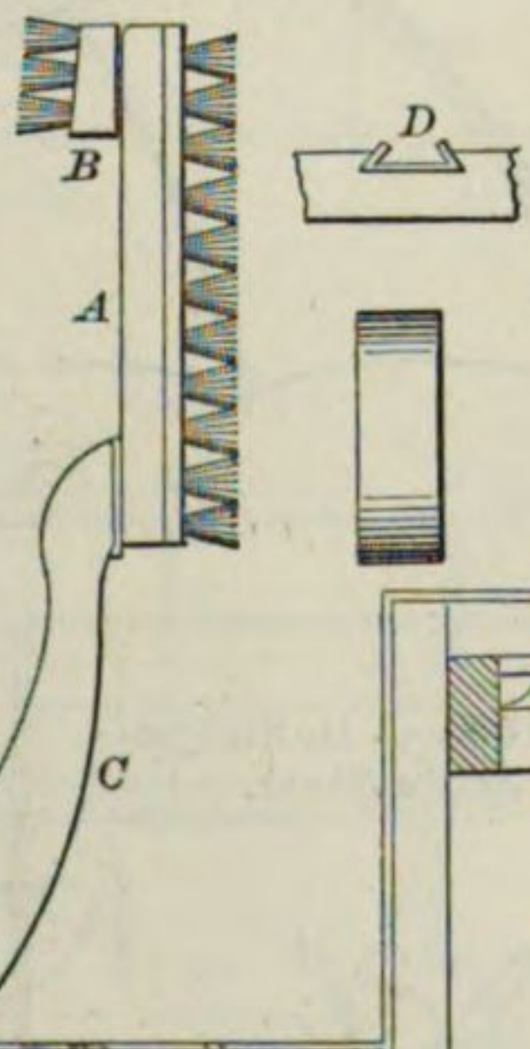
53690—G. T. Sheldon—*Mould for Casting Flanged Pipe.*



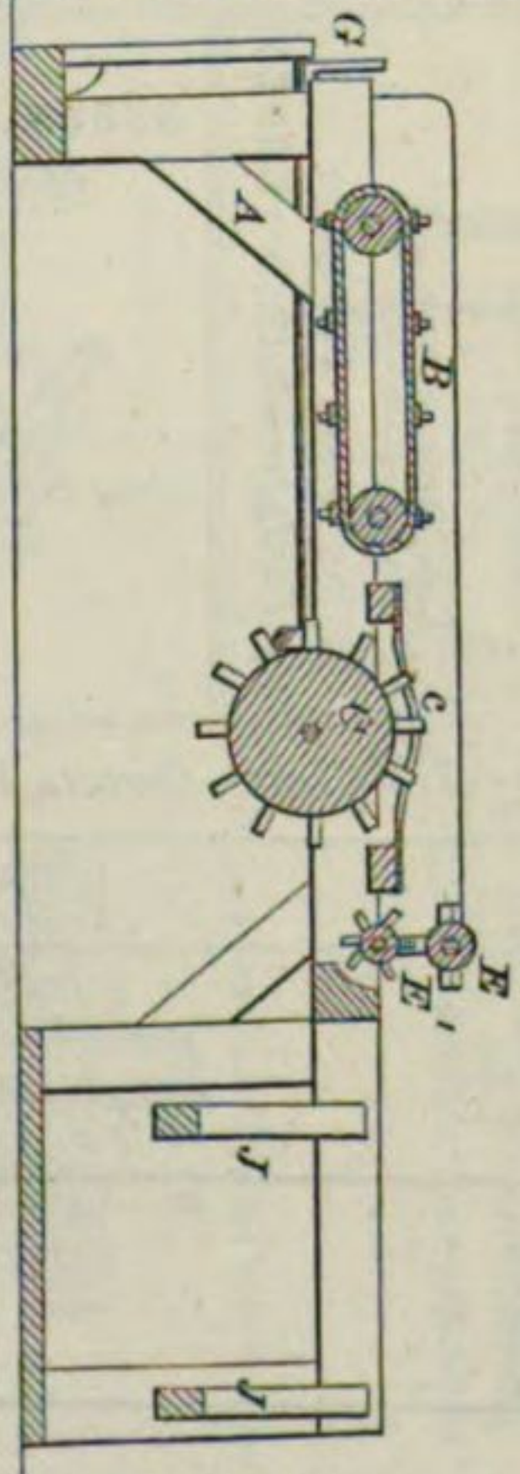
53693—J. L. Smith—*Syrup Filter.*



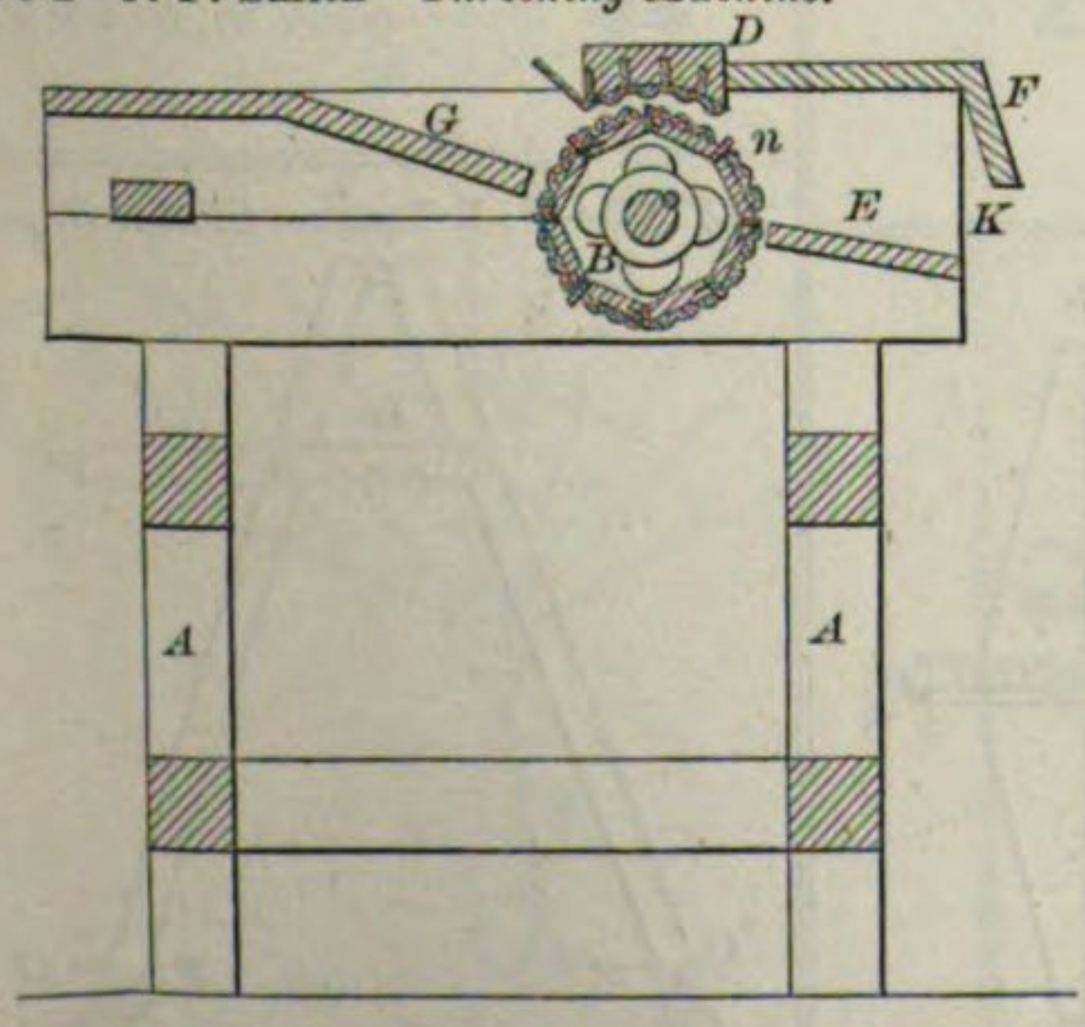
53689—H. E. Scotchmer—*Shoe Brush.*



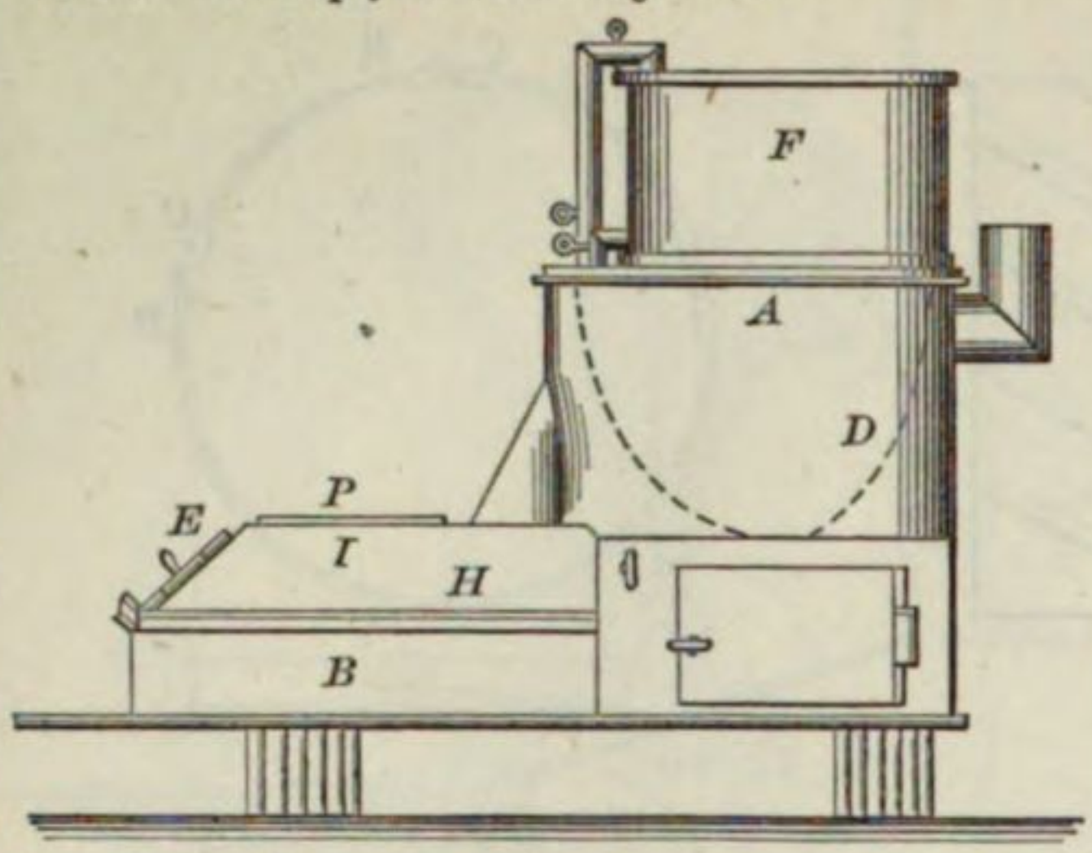
53696—J. M. Spencer—*For Stripping Sorghum.*



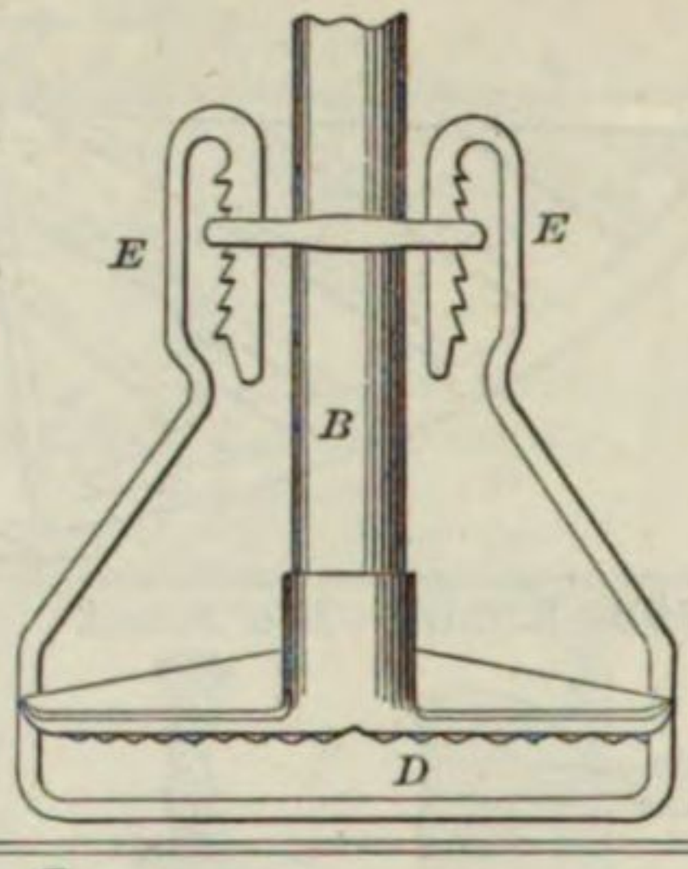
53694—J. P. Smith—*Threshing Machine.*



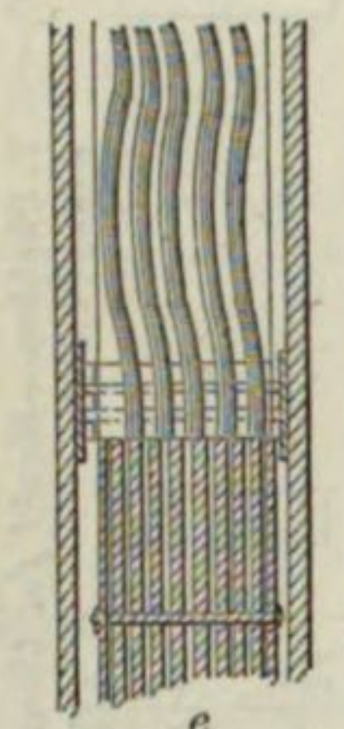
53697—H. Squyer—*Laundry Stove.*



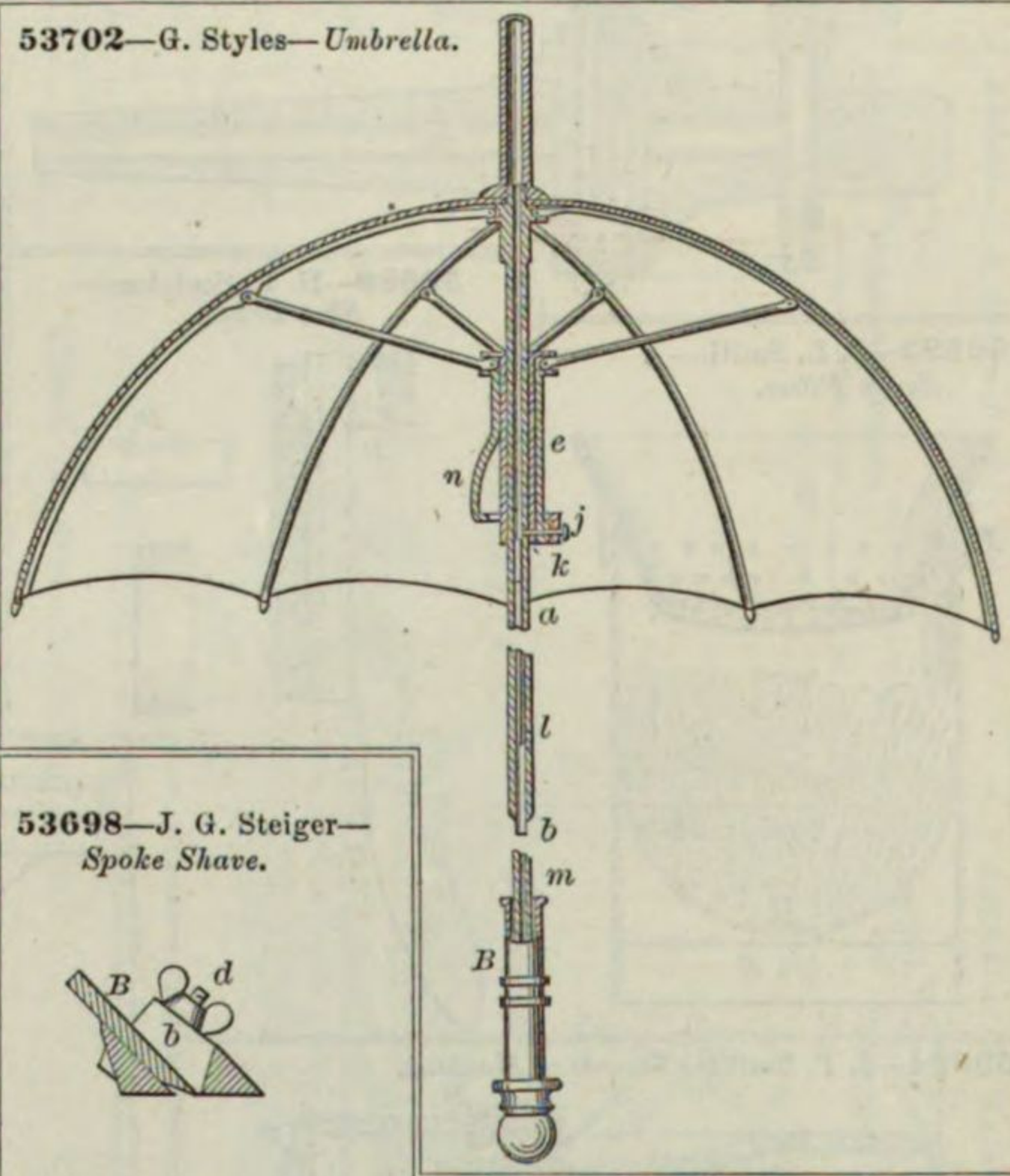
53704—L. H. Thomas—*Mop Head.*



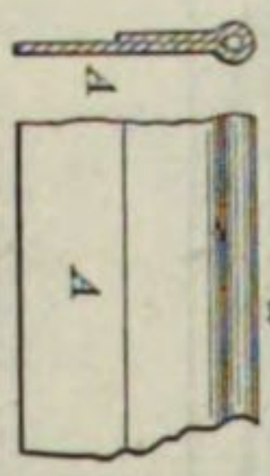
53700—J. Story—*Telegraph Cable.*



53702—G. Styles—*Umbrella.*

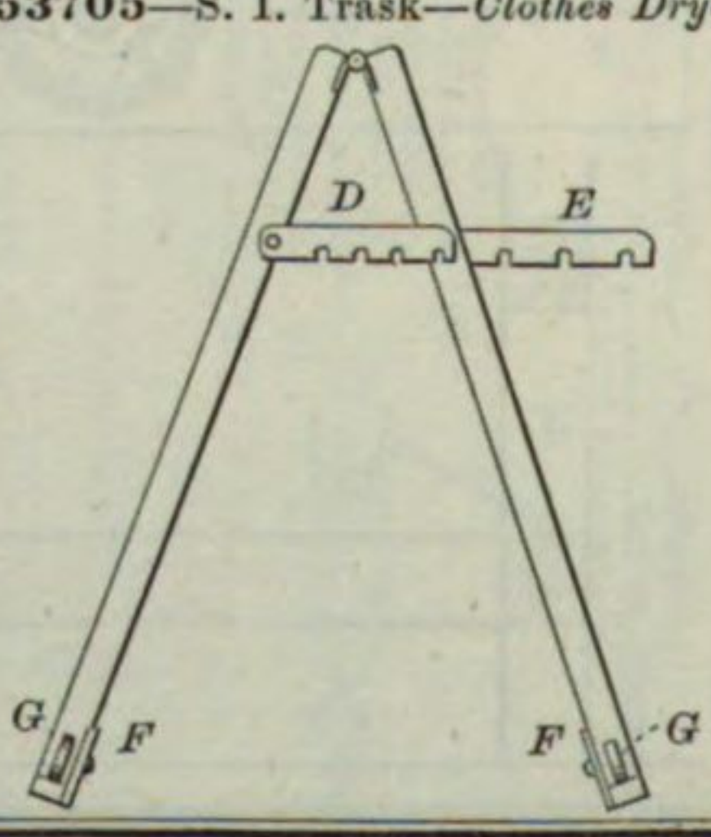


53699—C. Stone—*Piping for Boots and Shoes.*

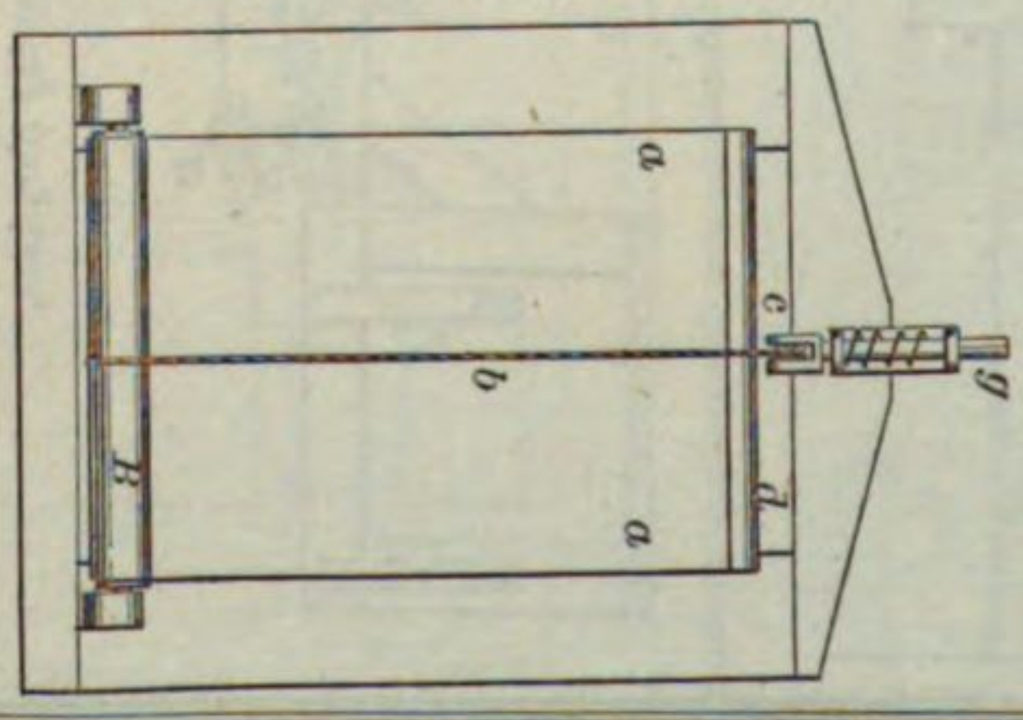


53698—J. G. Steiger—*Spoke Shave.*

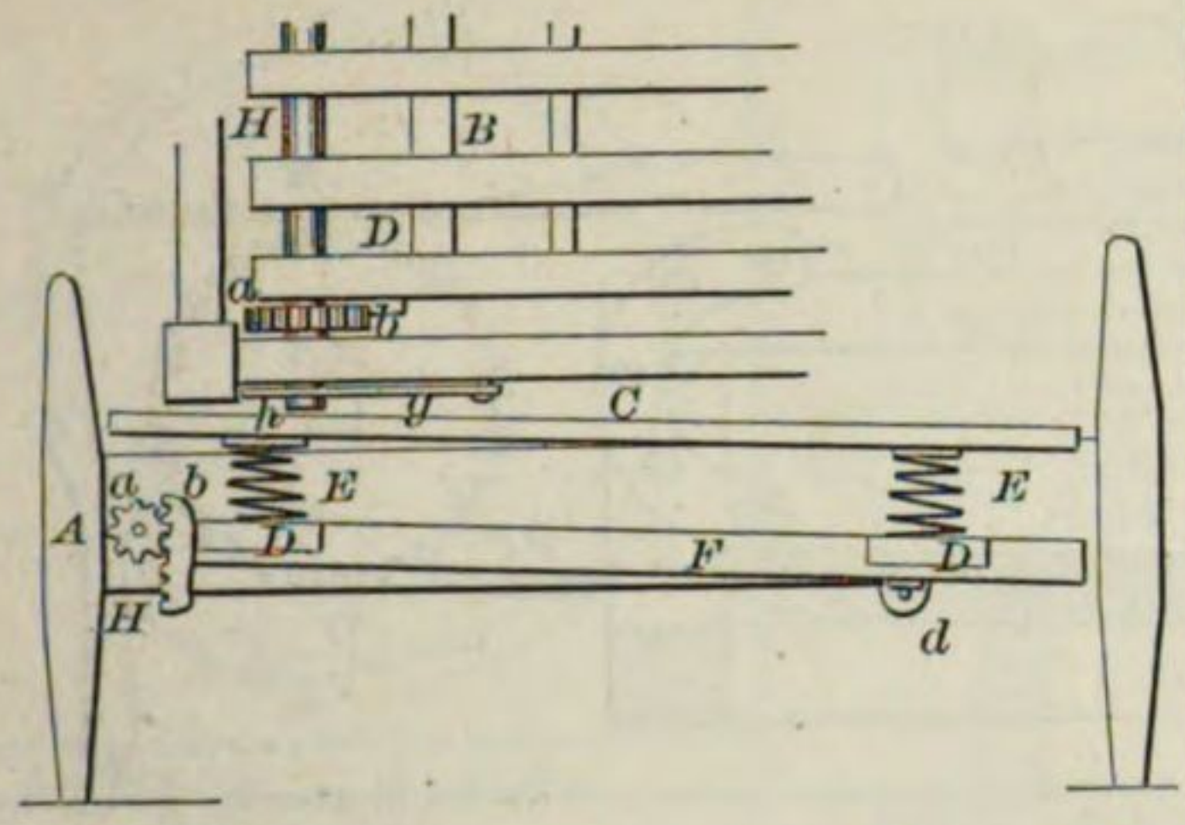
53705—S. I. Trask—*Clothes Dryer.*



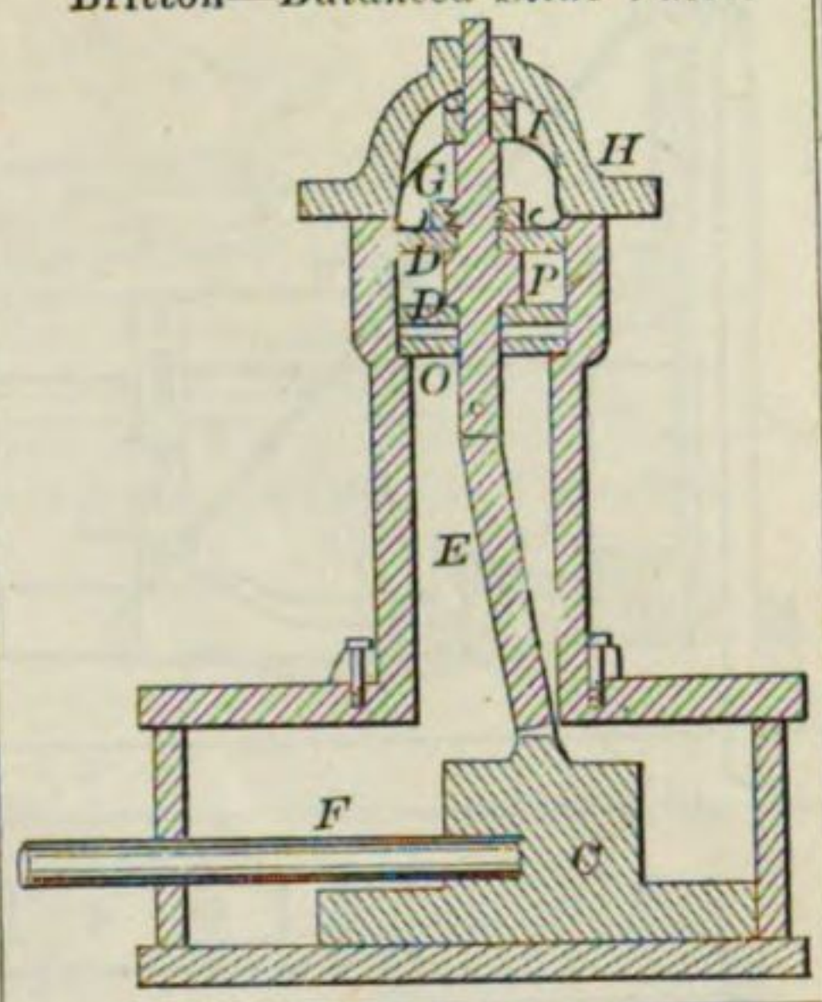
53703—J. B. Tarr—*Curtain Fixture.*



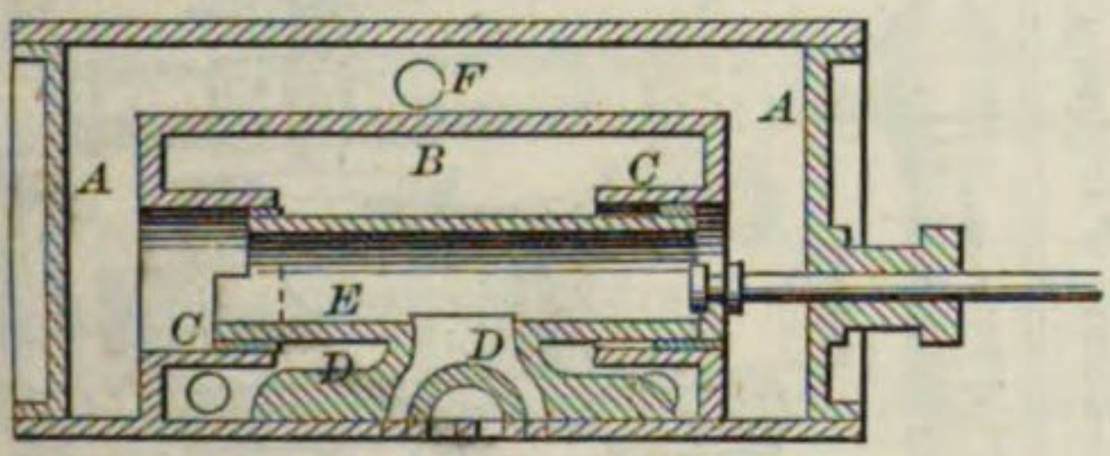
53706—E. W. Tucker—*Bed Bottom.*



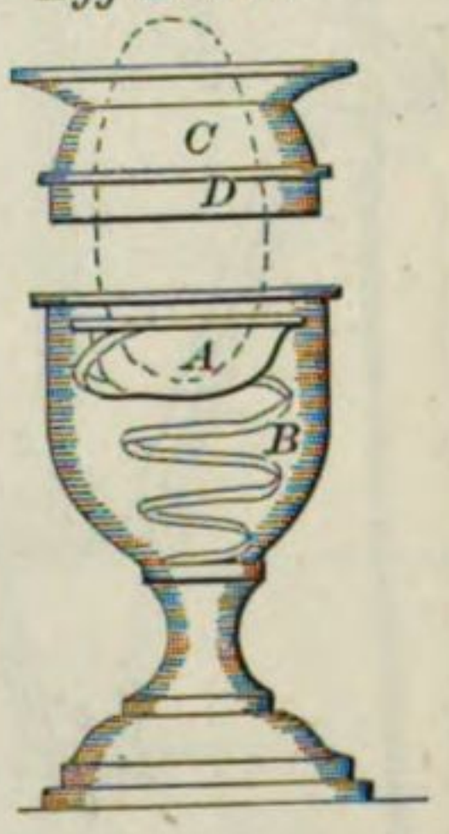
53708—Vanbebber, Sallee & Britton—*Balanced Slide Valve.*



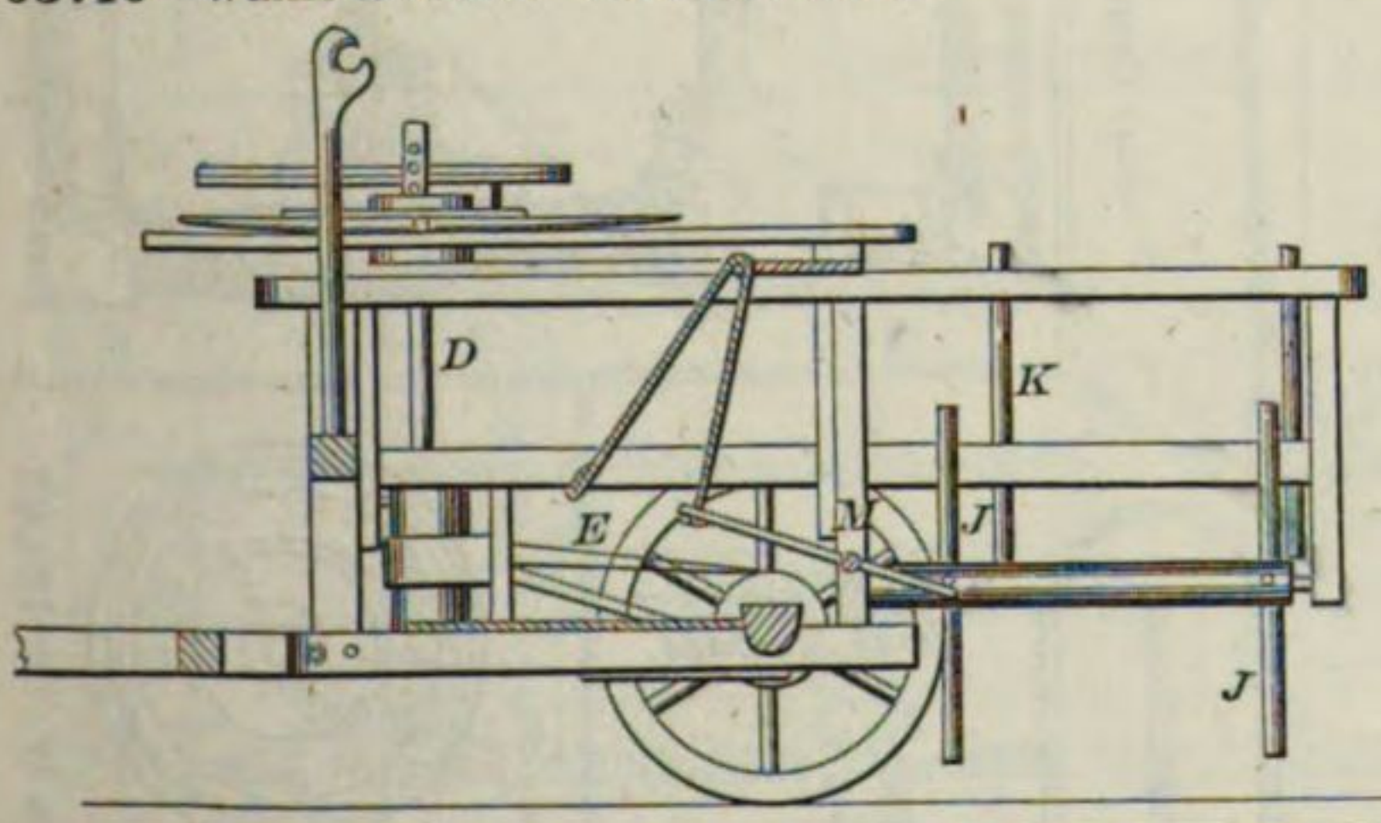
53707—R. D. Turner—*Slide Valve.*



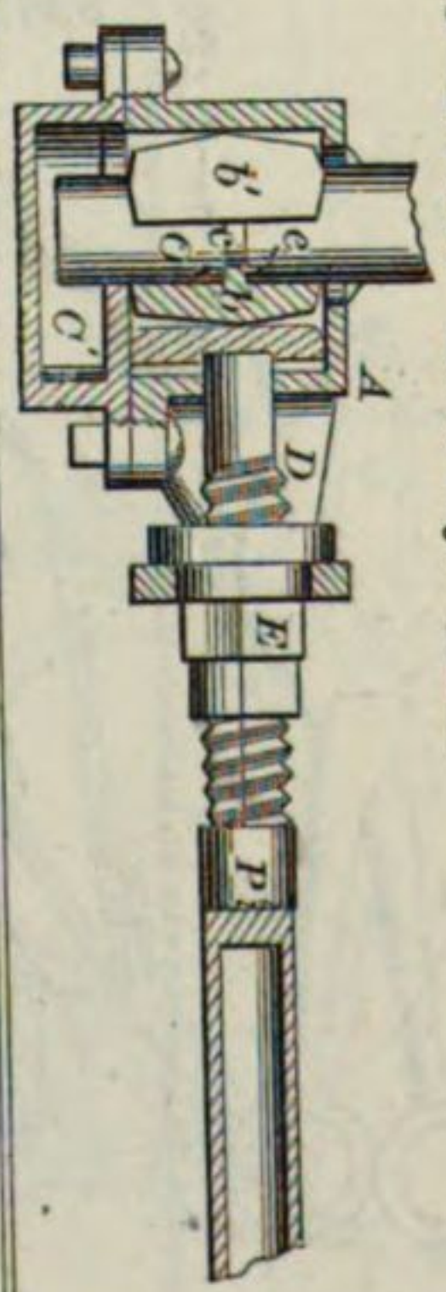
53712—F. Wegrather—*Egg Holder.*



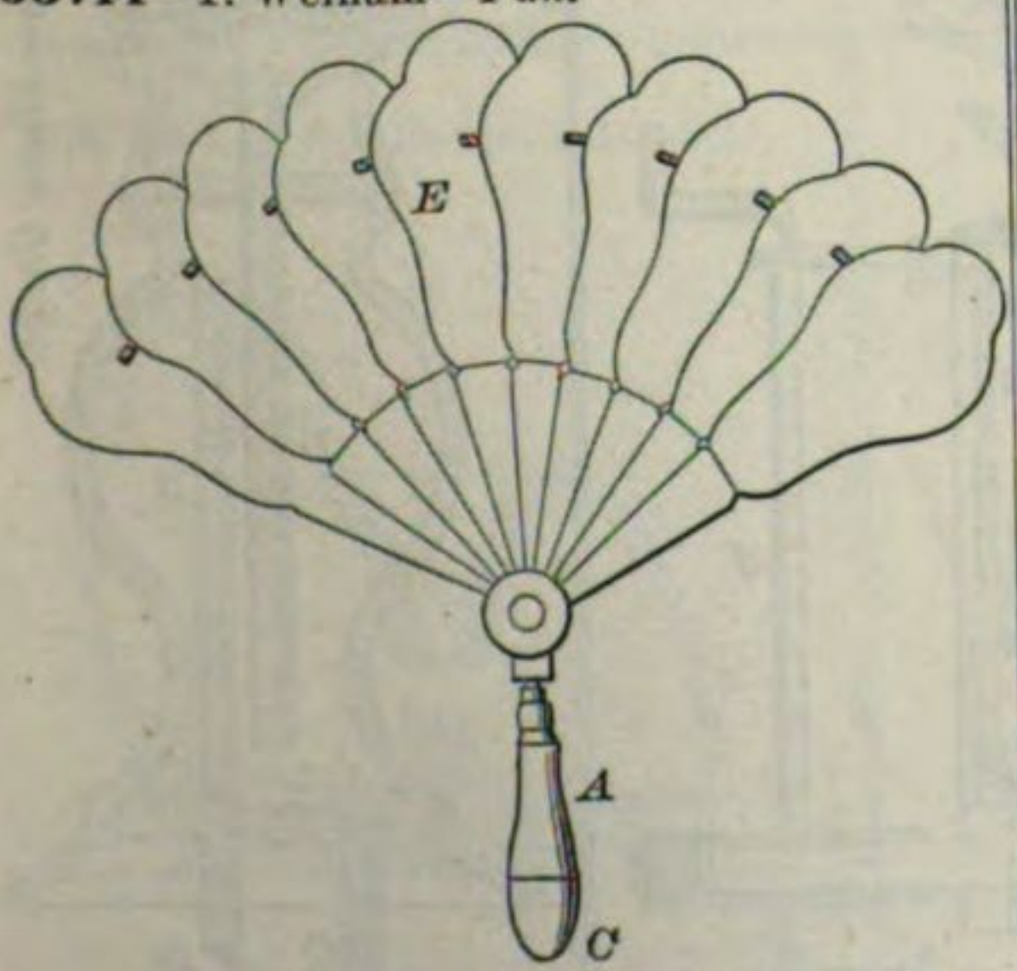
53710—Wallis & Miller—*Corn Harvester.*



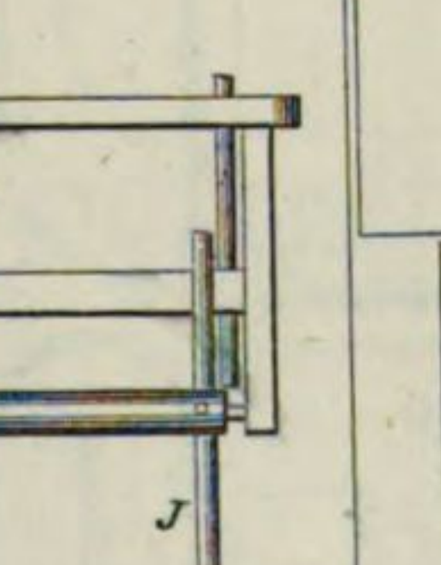
53713—T. Welch—*Harvesting Machine.*



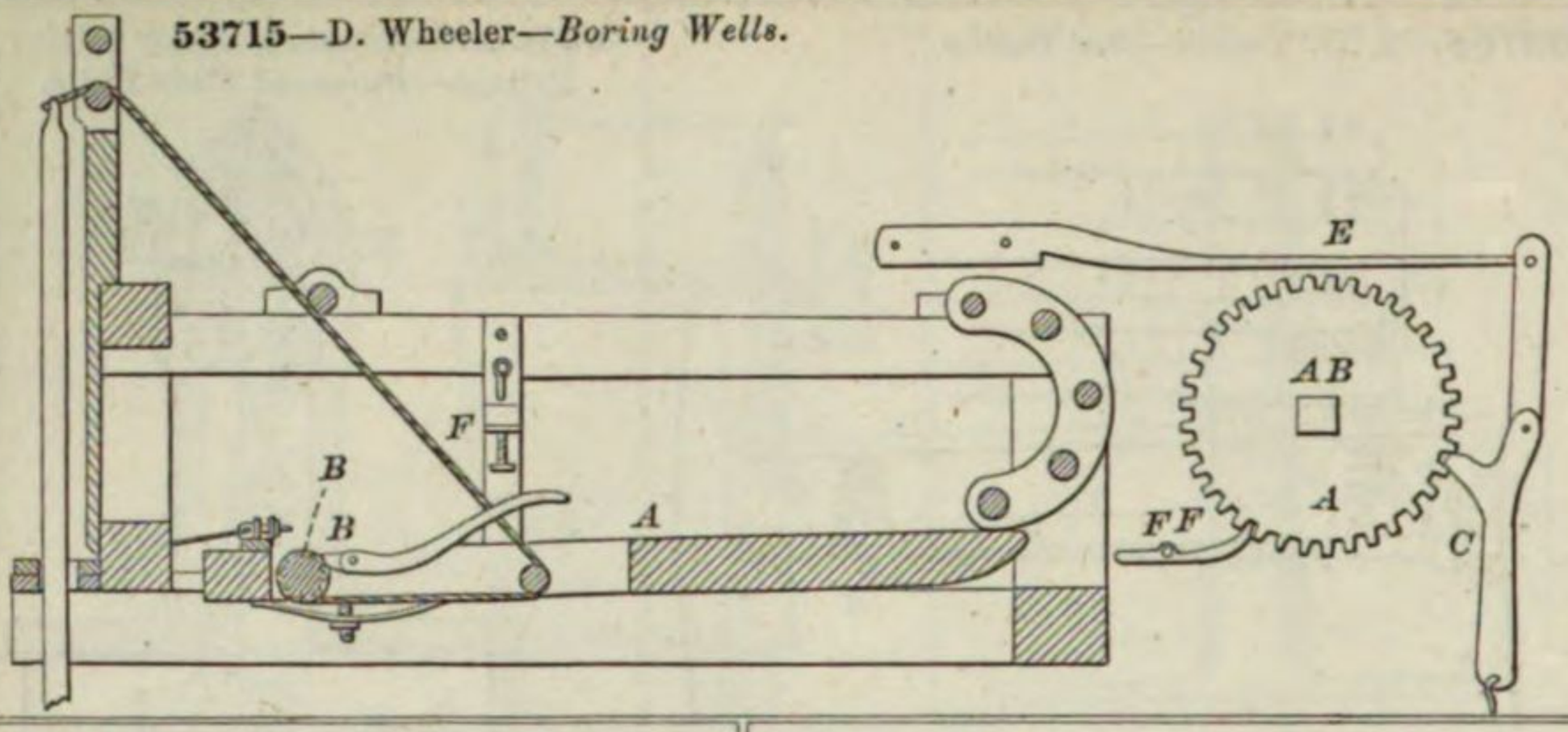
53714—T. Welham—*Fan.*



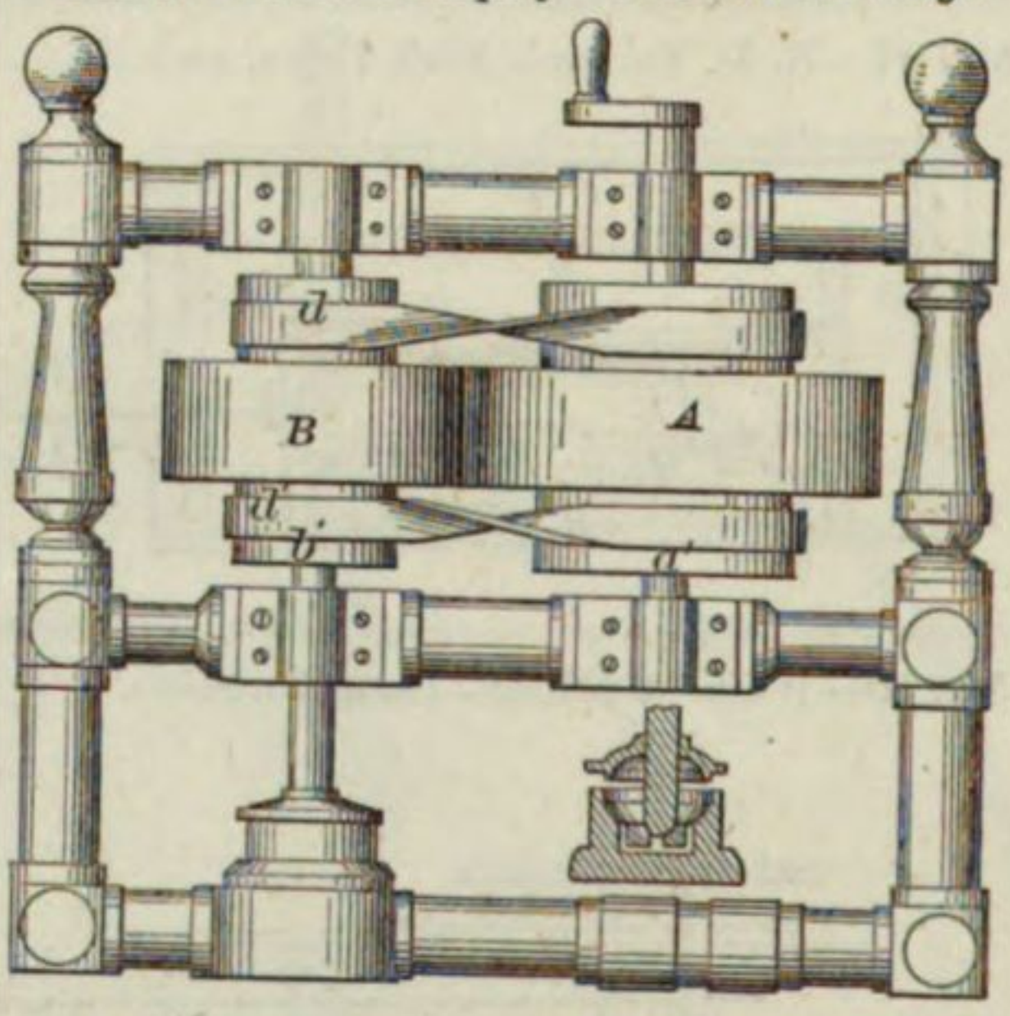
53711—A. Warth—*Pulley.*



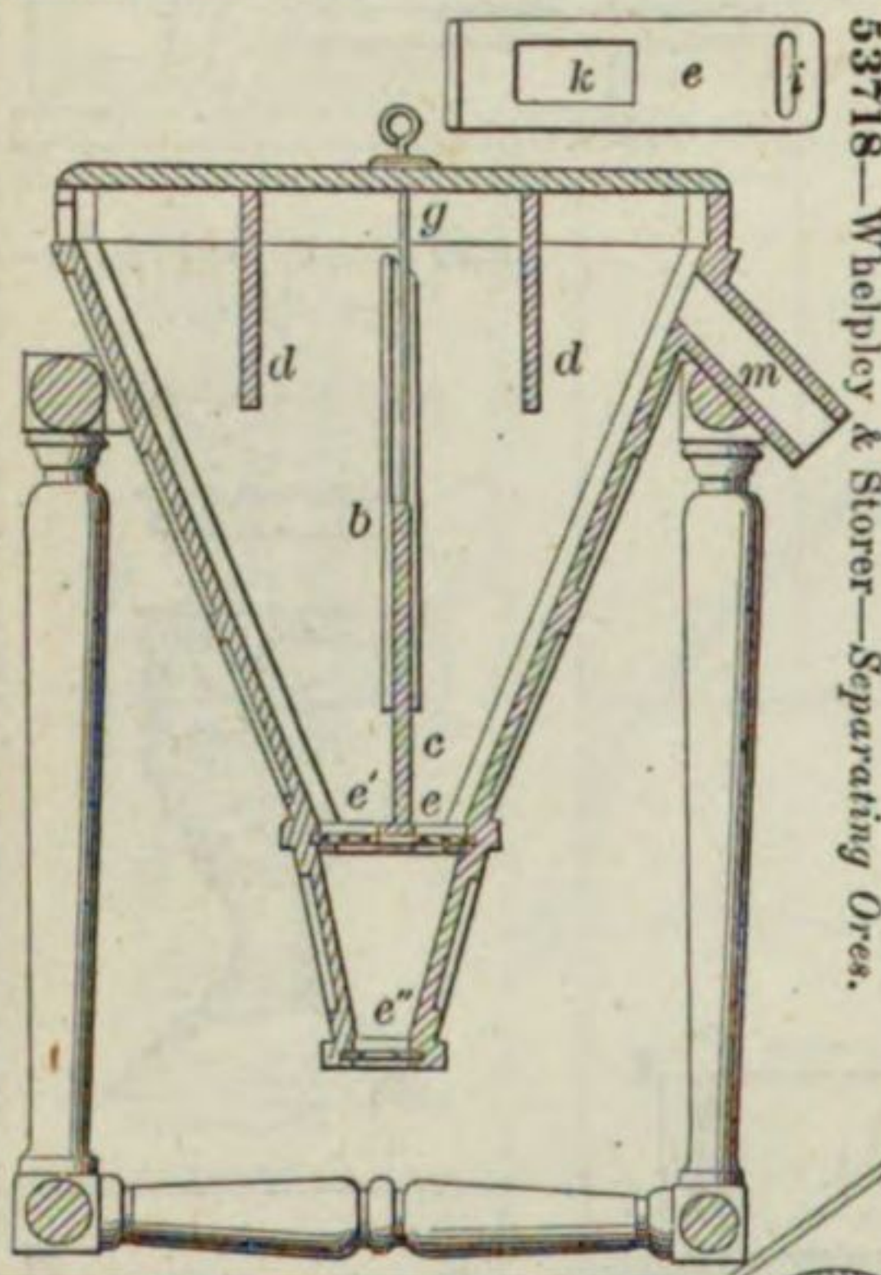
53715—D. Wheeler—*Boring Wells.*



53717—J. D. Whelpley—*Friction Gearing.*

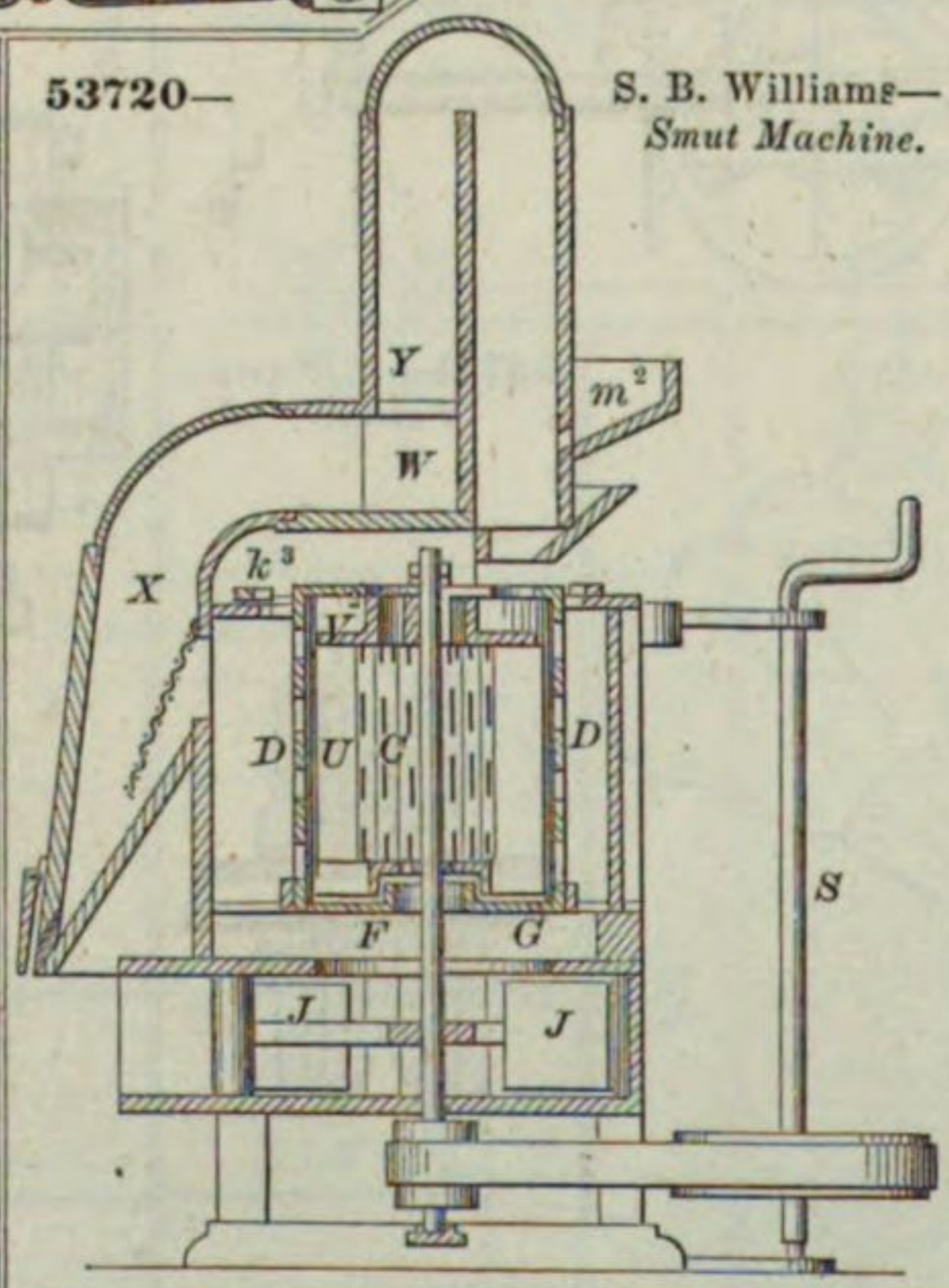


53718—Whelpley & Storer—*Separating Ores.*

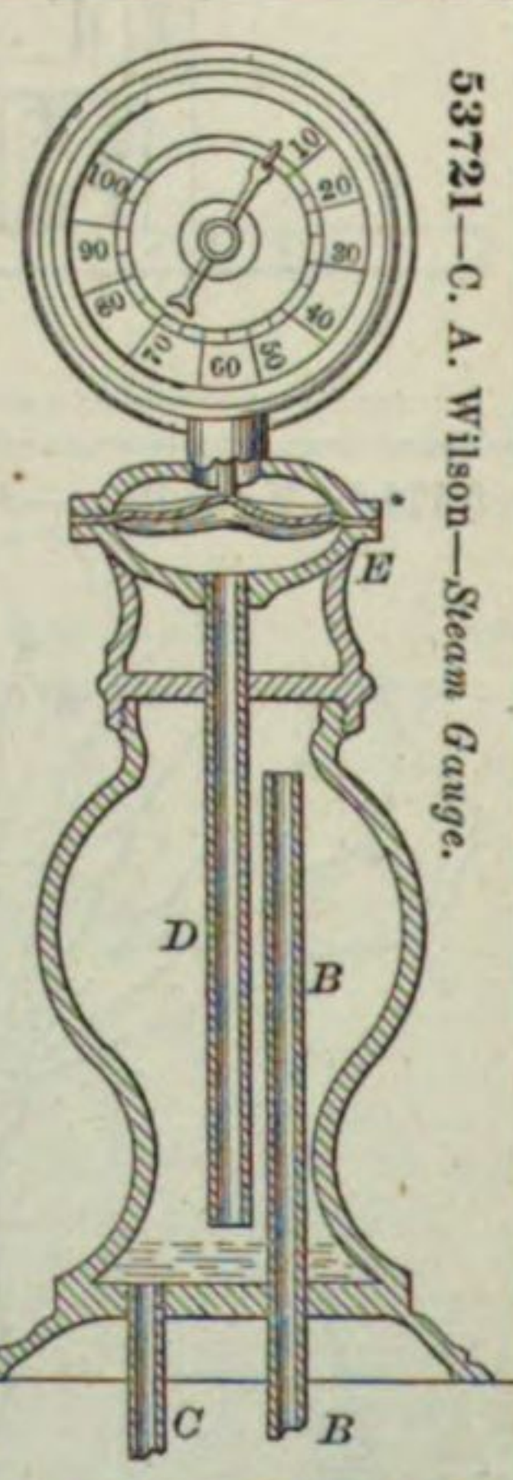


53719—L. C. Whitcomb—*Scissors.*

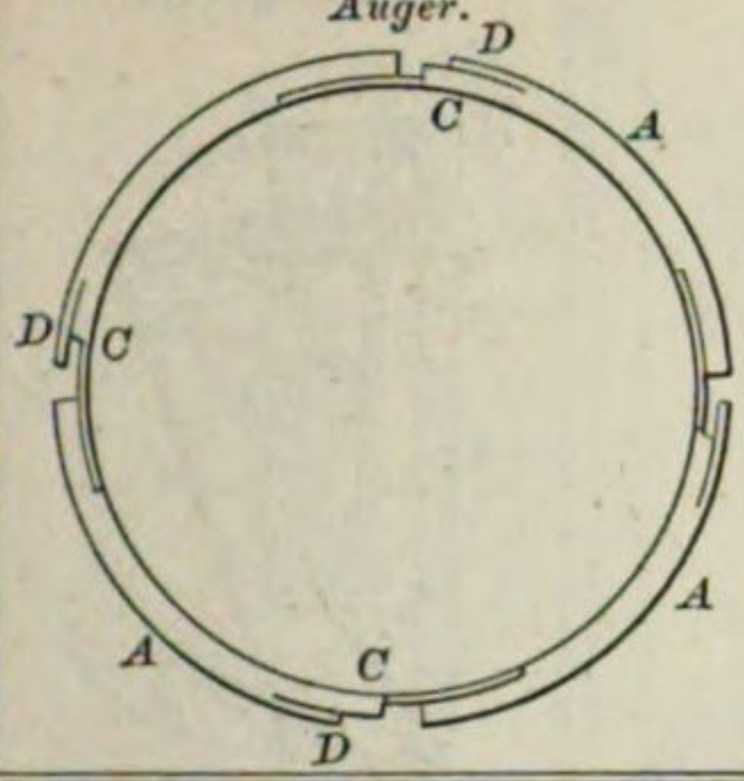
53720—S. B. Williams—*Smut Machine.*



53721—C. A. Wilson—*Steam Gauge.*

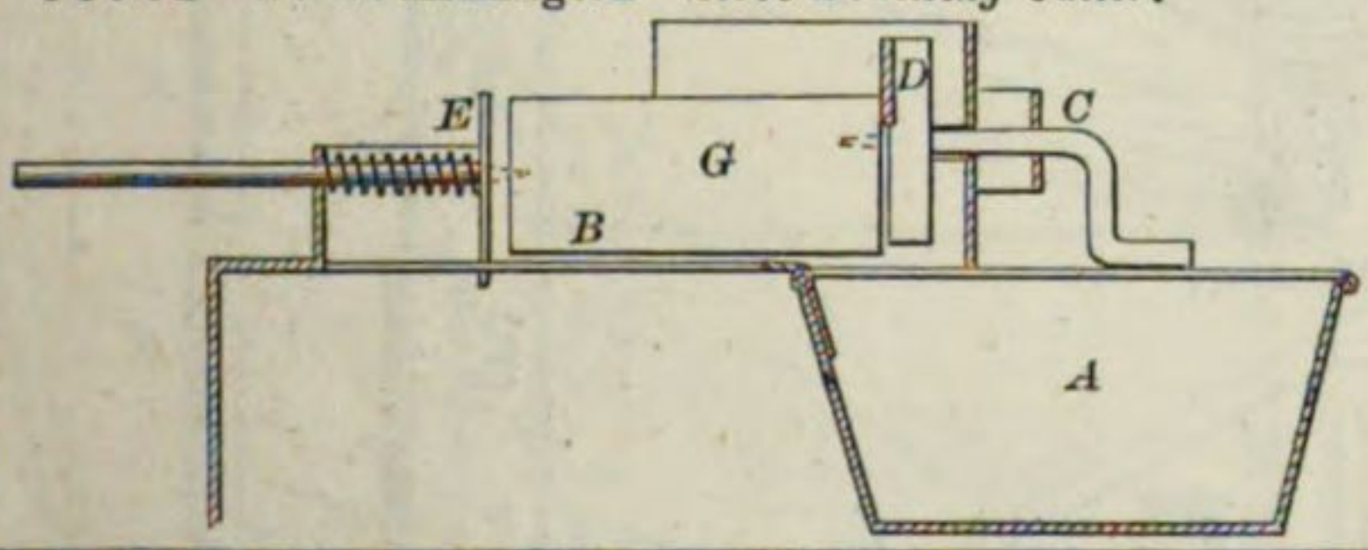


53722—A. Wyckoff—*Hollow Auger.*

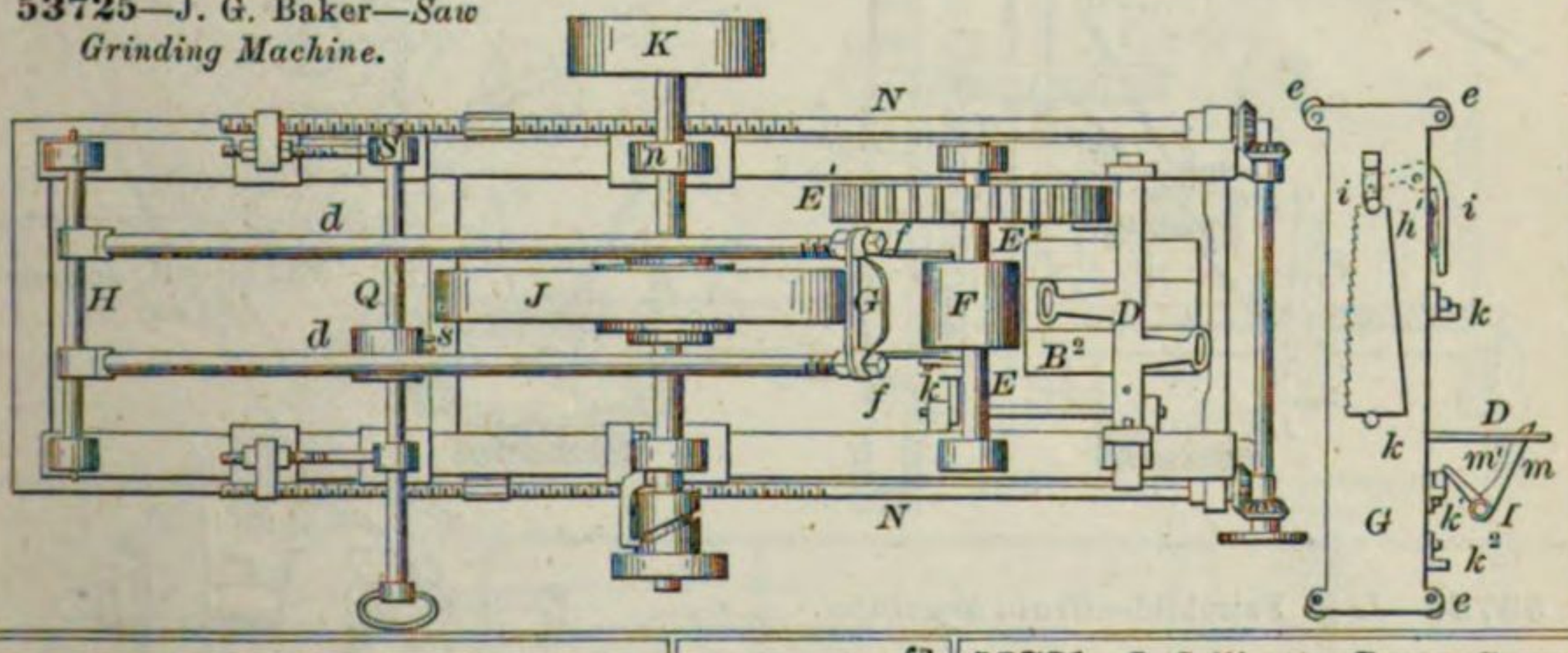


53723—W. C. Wyckoff—*Postage Stamp.*

53724—W. W. Armington—*Stove Blacking Cutter.*

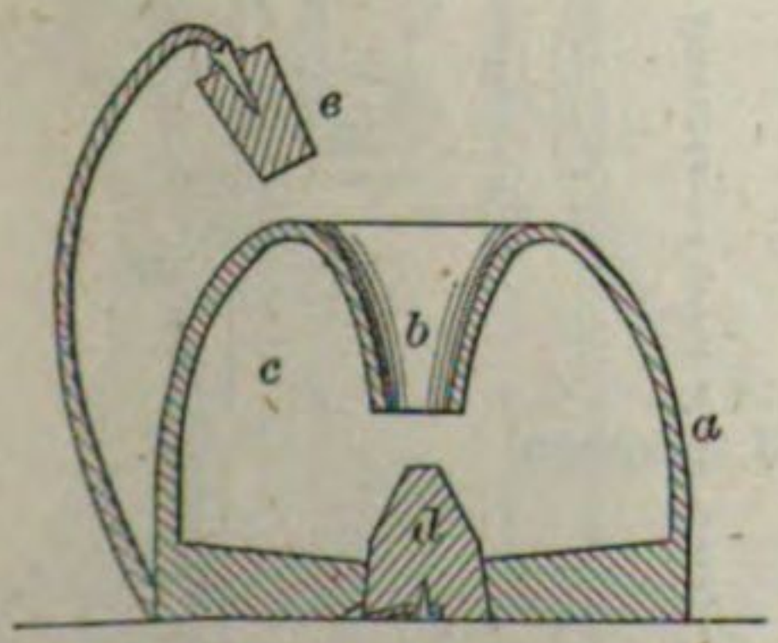


53725—J. G. Baker—*Saw Grinding Machine.*

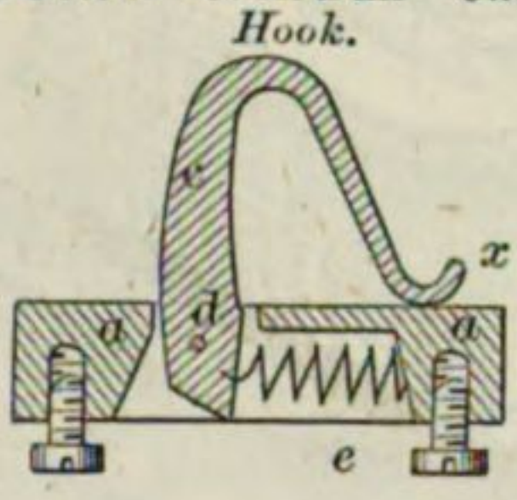


53727—Barnes & Brown—*Curtain Fixture.*

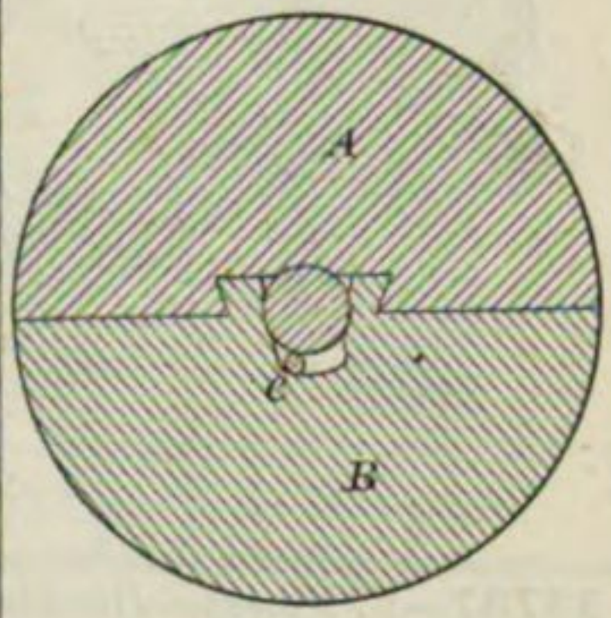
53729—H. Bradford—*Inkstand.*



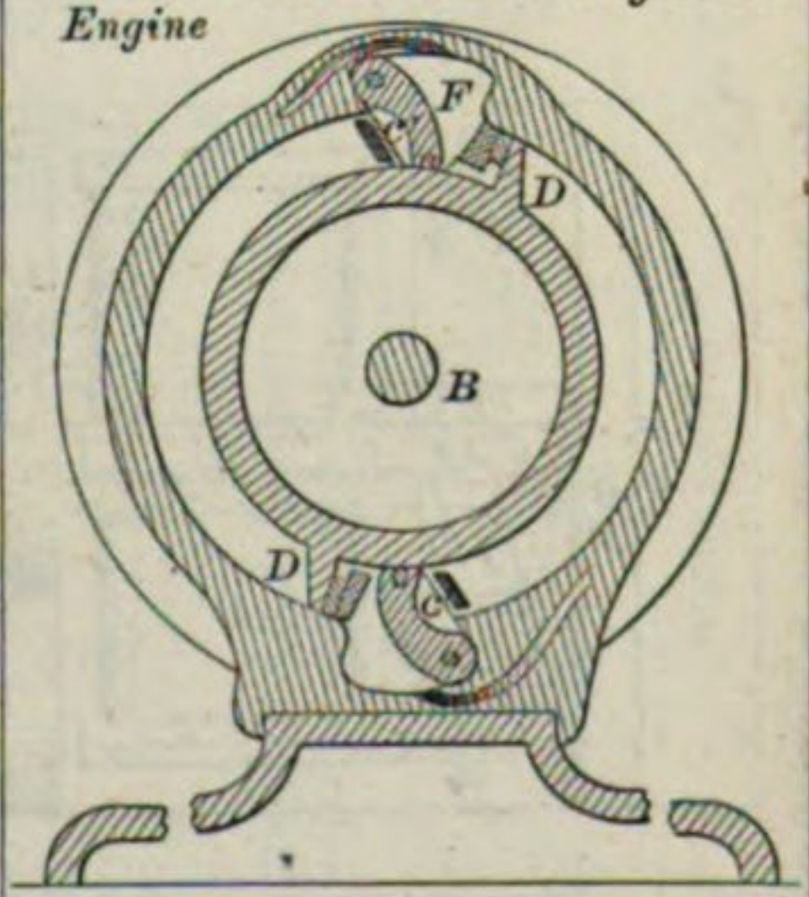
53726—C. A. Ball—*Check Hook.*



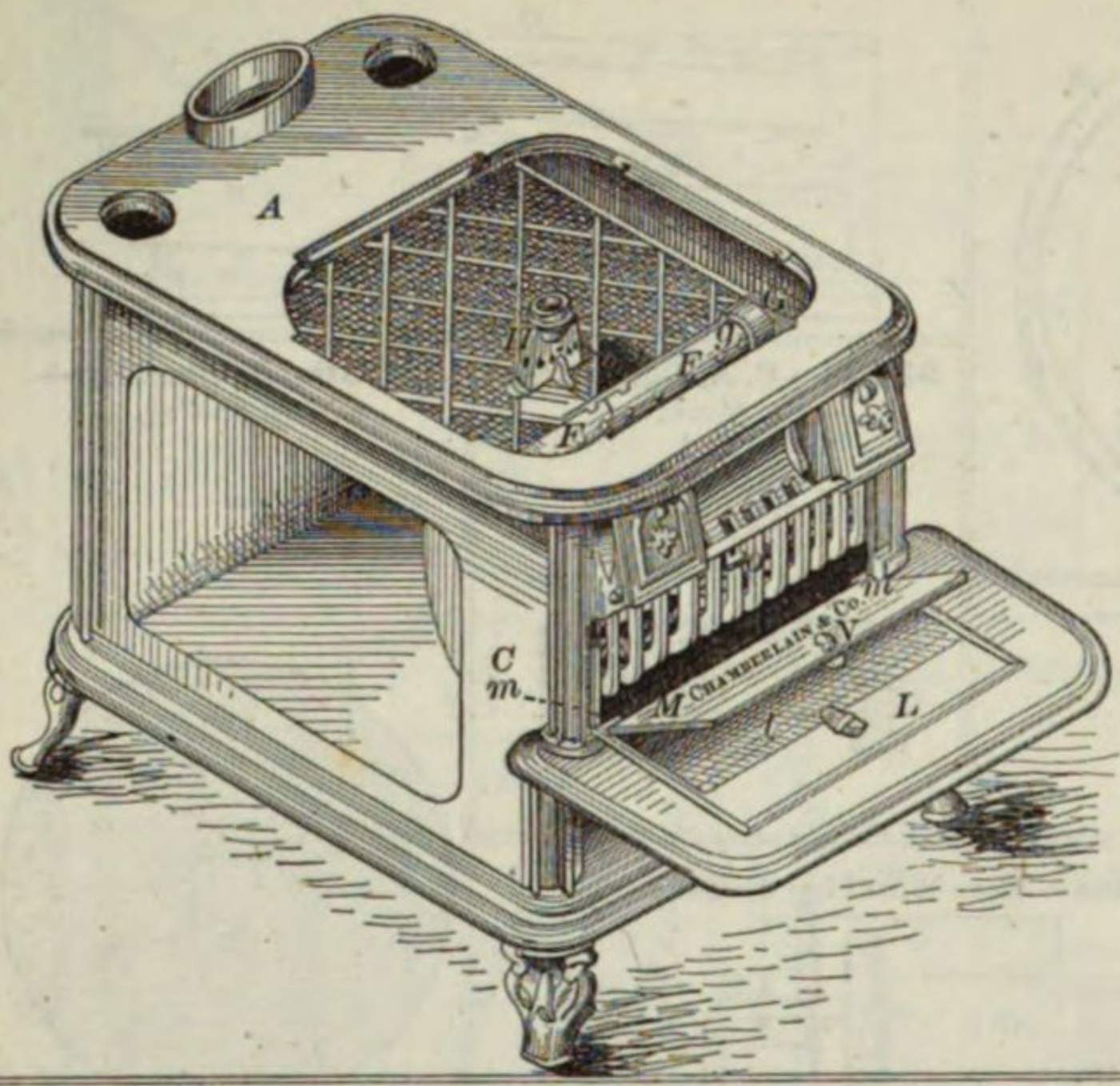
53730—R. Chandler—*Clamp Pulley.*



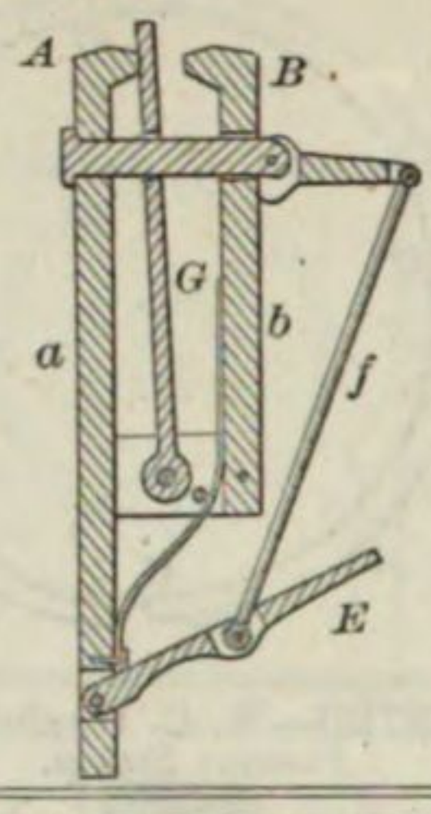
53731—J. Collicott—*Rotary Steam Engine*



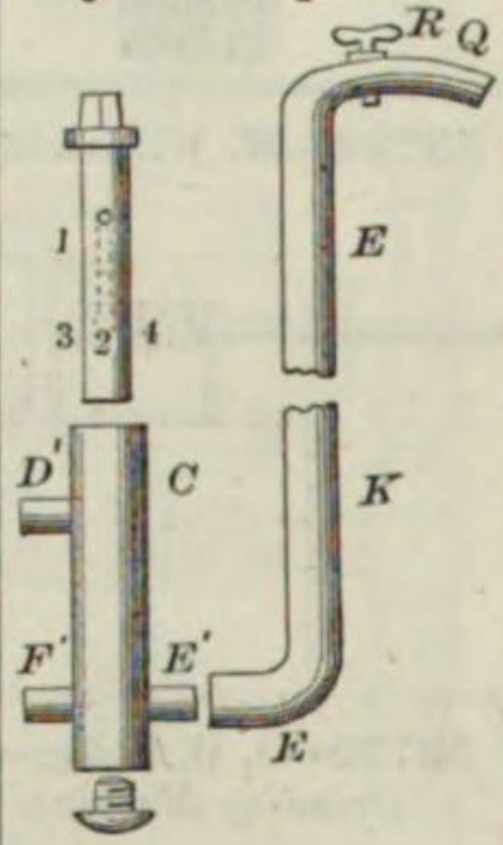
53732—J. B. Crowley—*Cooking Stove.*



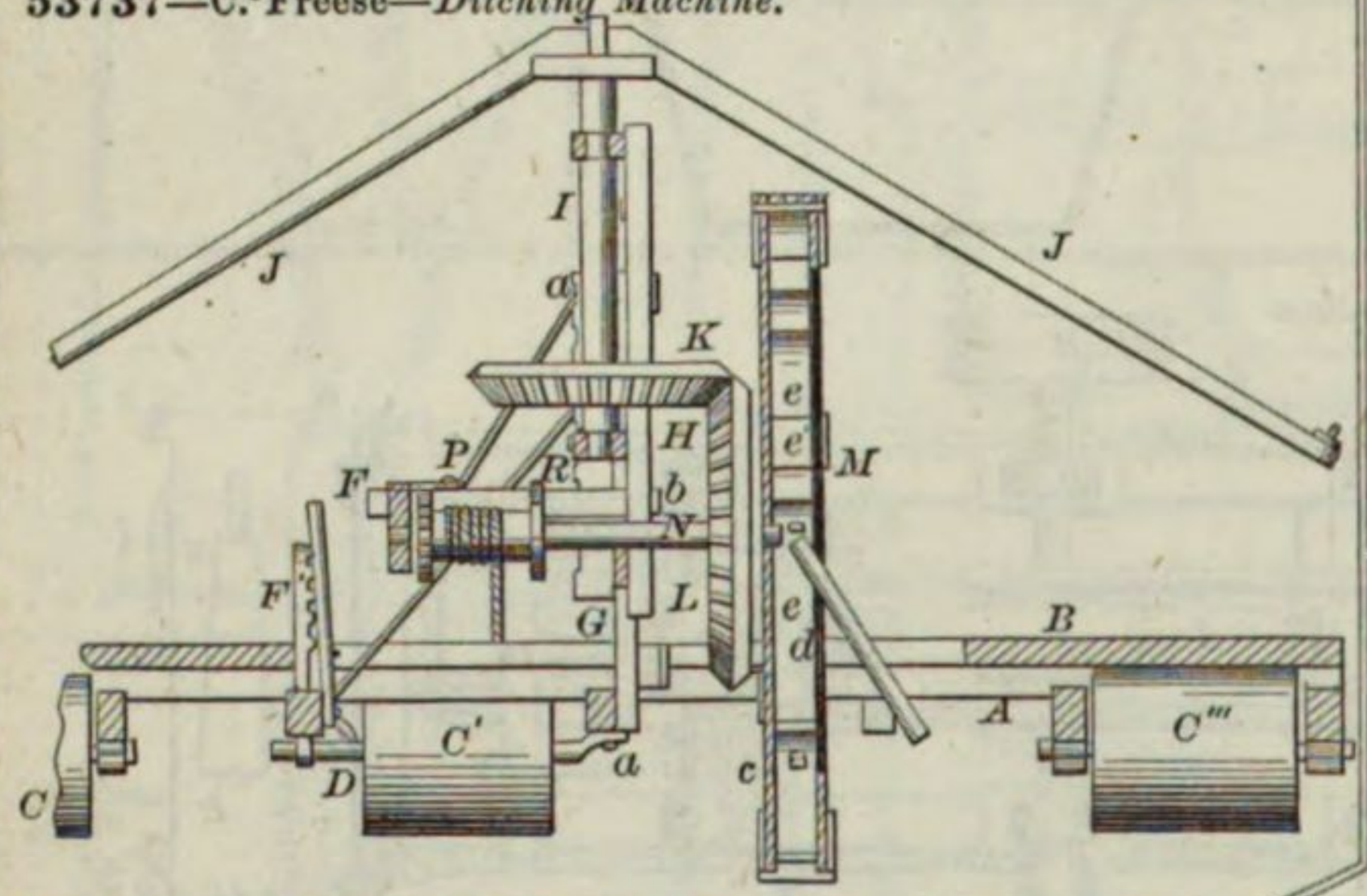
53733—W. Delano—*Calking Vise.*



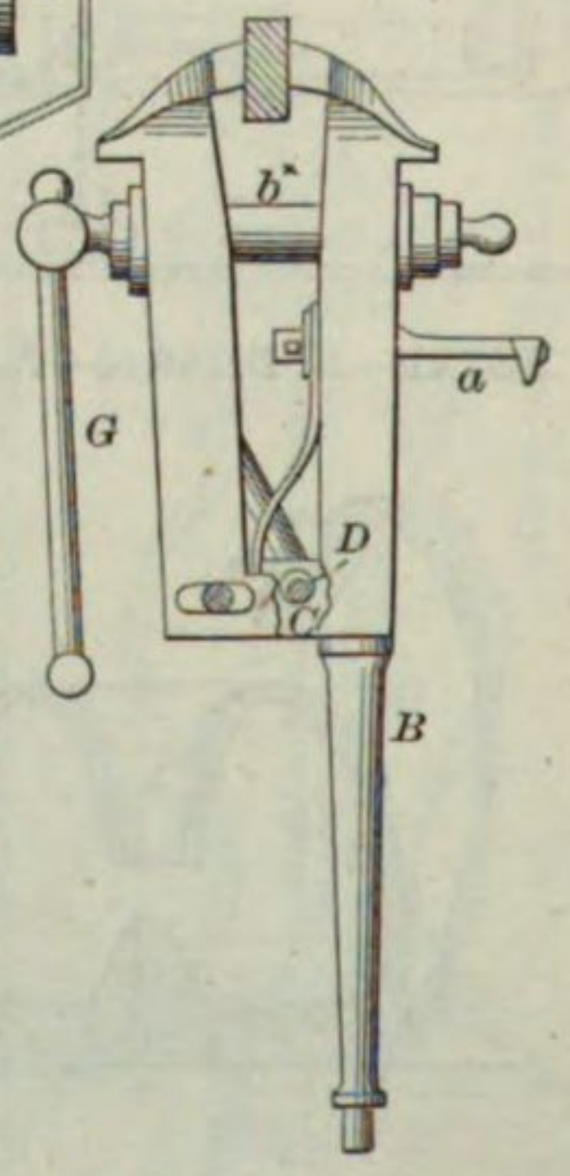
53736—H. L. Frailey—*Hydrant Stop Cock.*



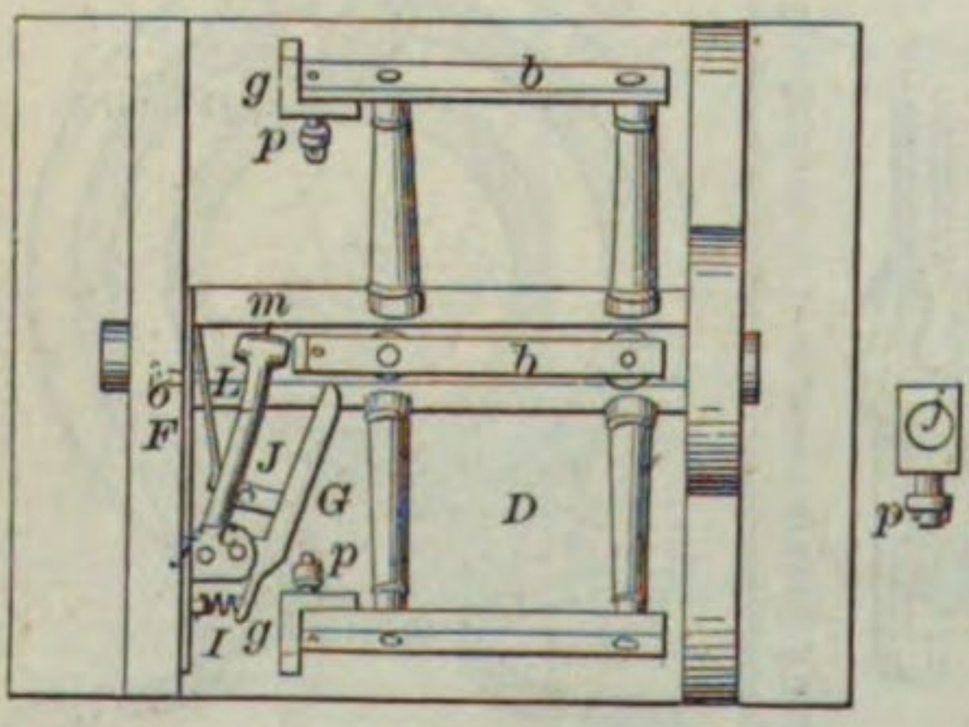
53737—C. Freese—*Ditching Machine.*



53738—R. Jones—*Vise.*

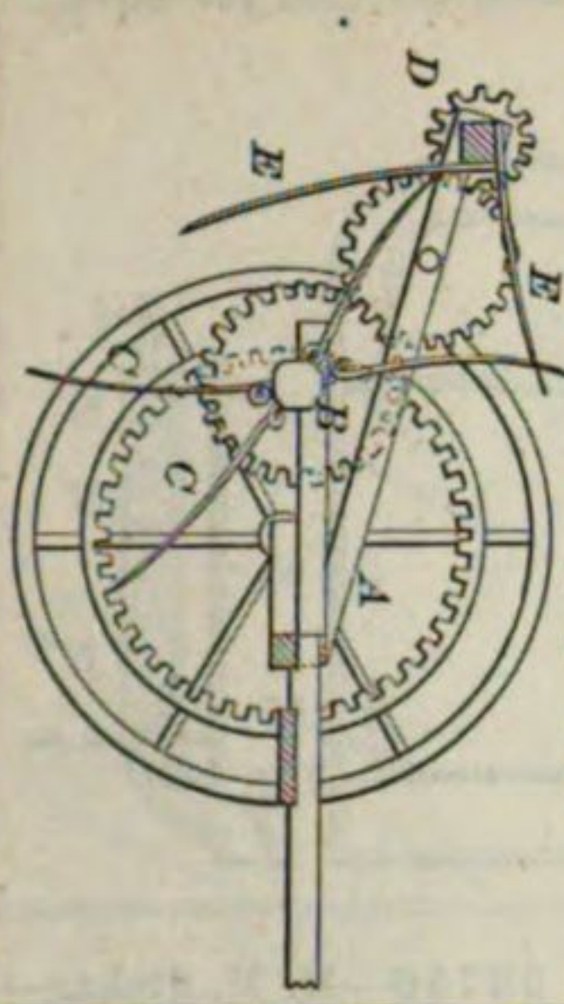


53735—J. H. Fairchild—*Grain Separator.*

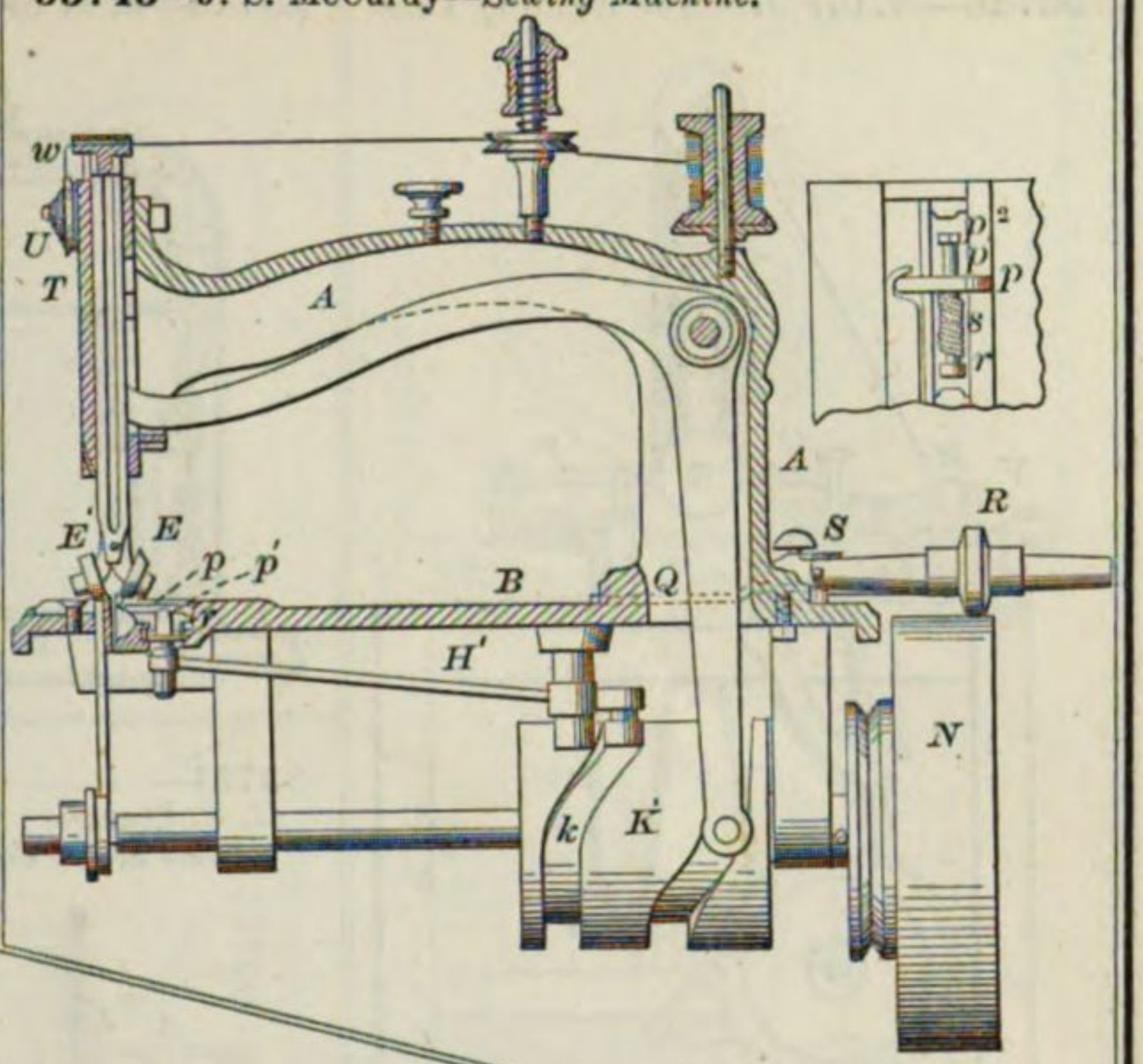


53734—W. Devines—*Corset Busk Clasp.*

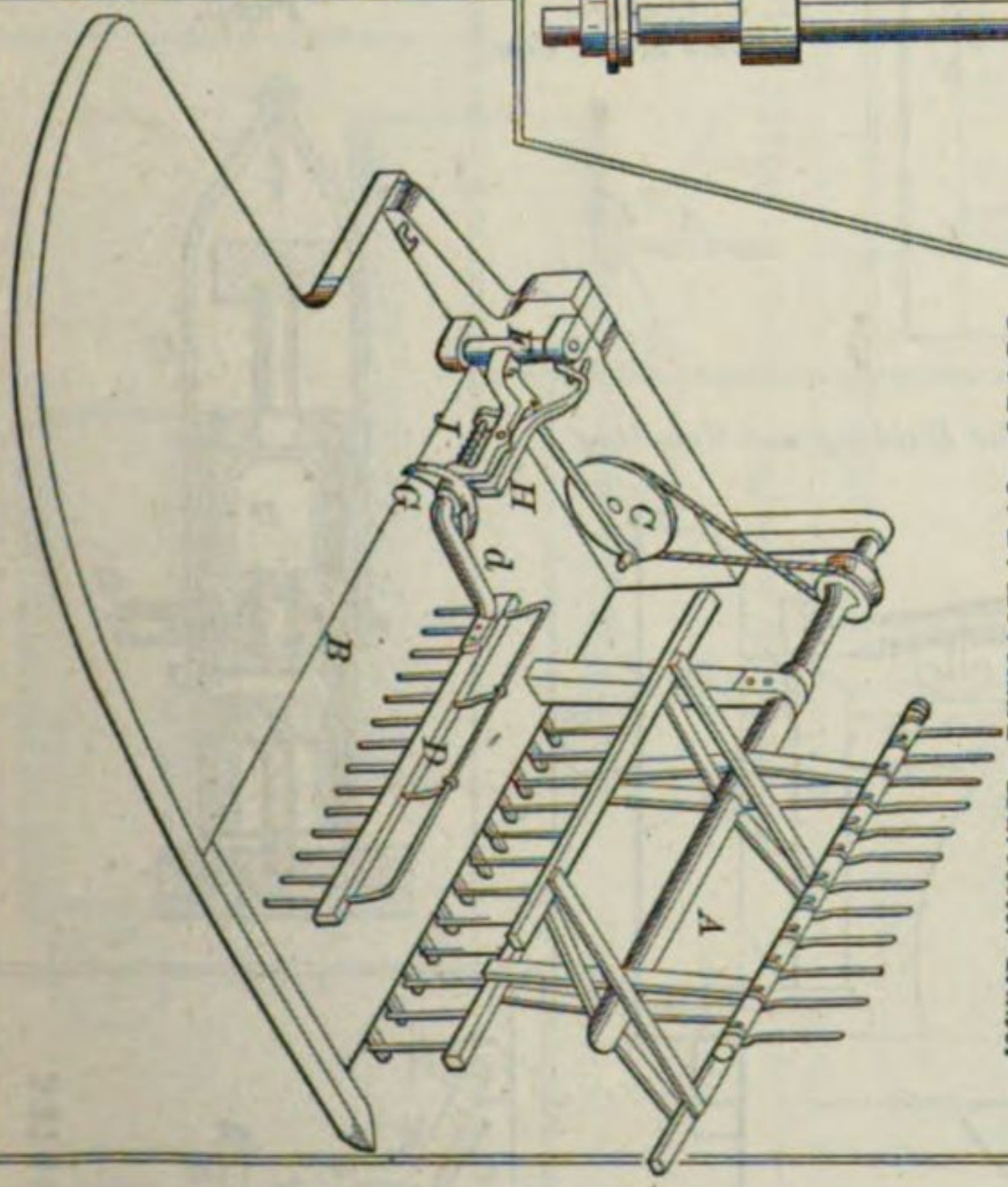
53739—L. L. Knight—*Hay Spreader.*



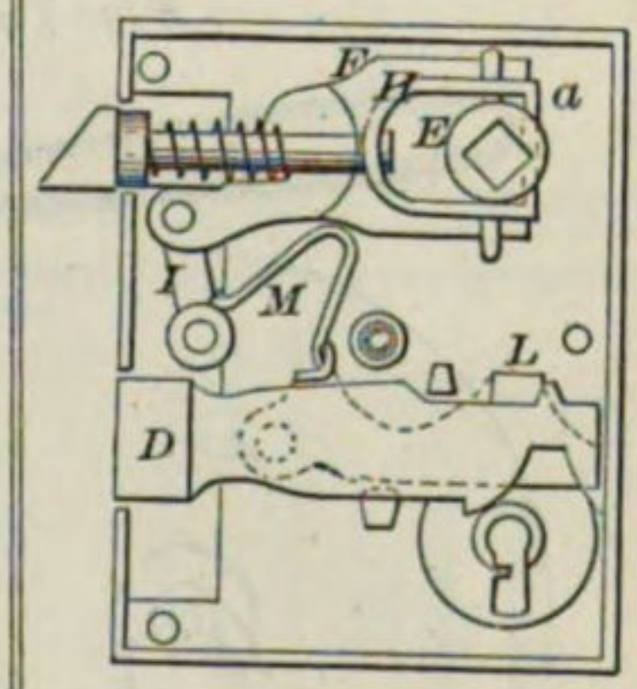
53743—J. S. McCurdy—*Sewing Machine.*



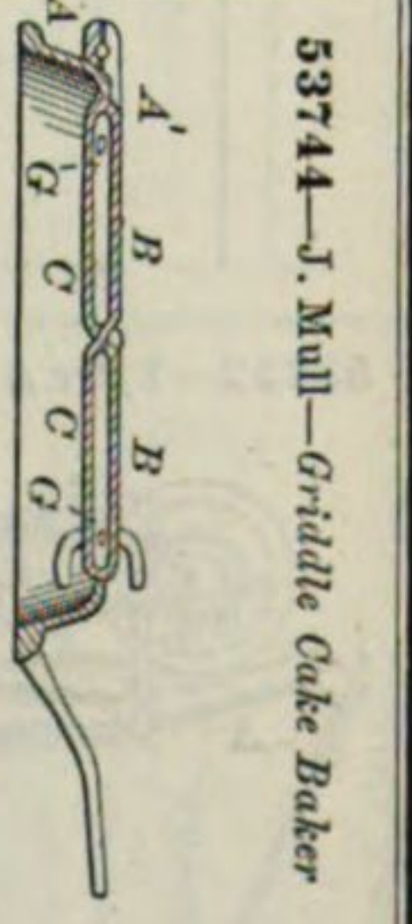
53740—J. D. Loveland—*Harvester Rake.*



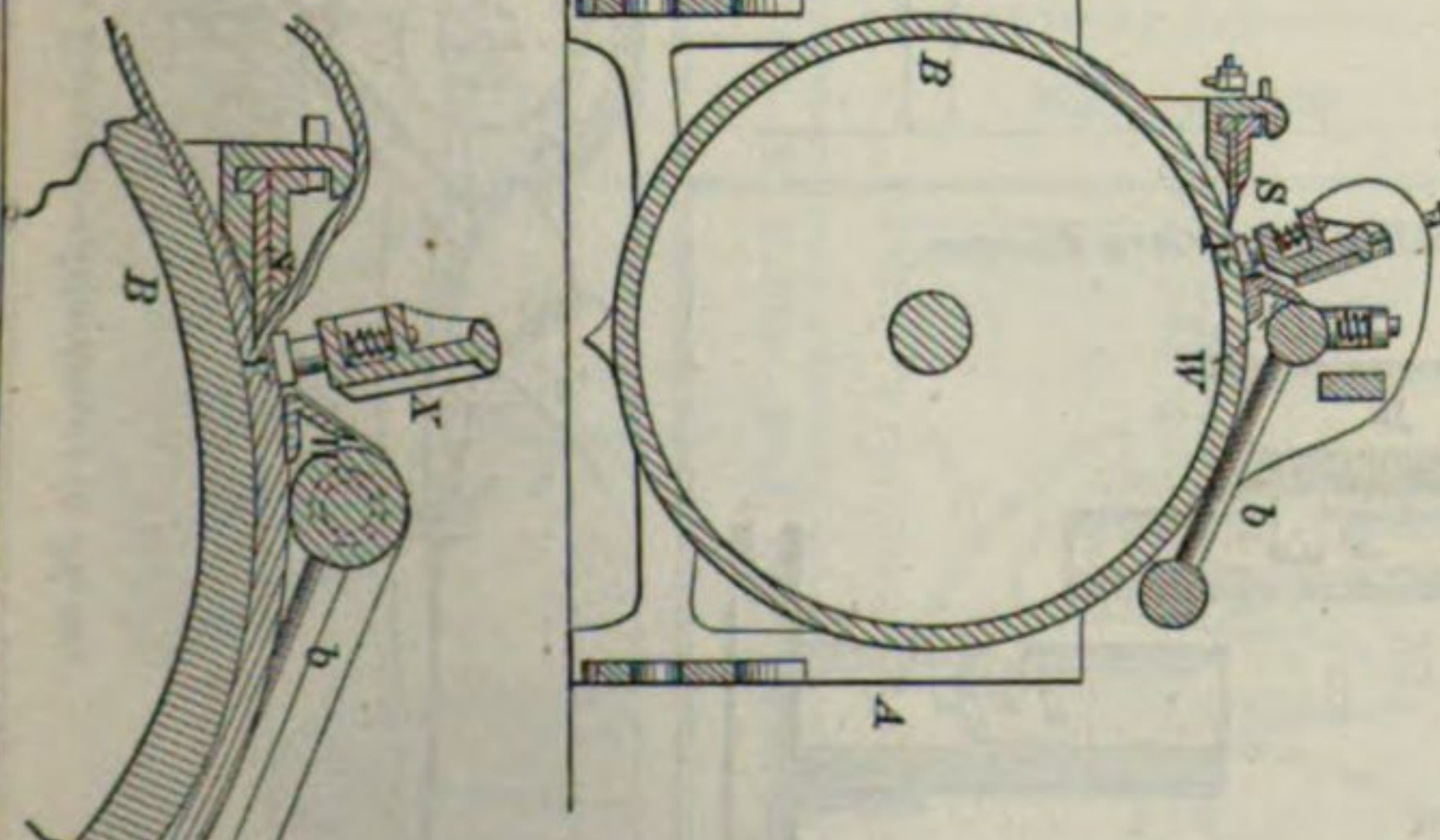
53745—W. T. Munger—*Knob Latch.*



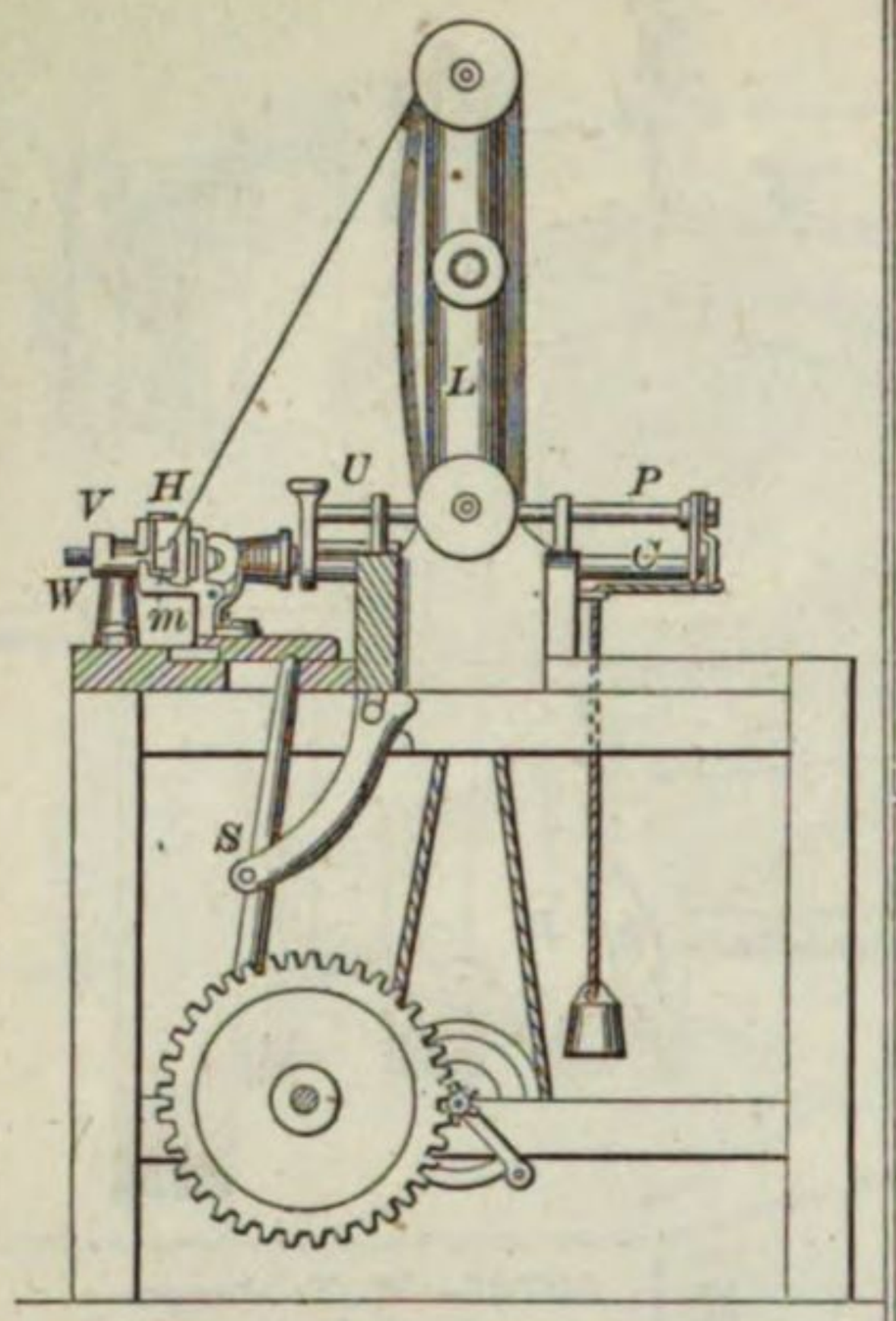
53744—J. Mull—*Griddle Cake Baker*



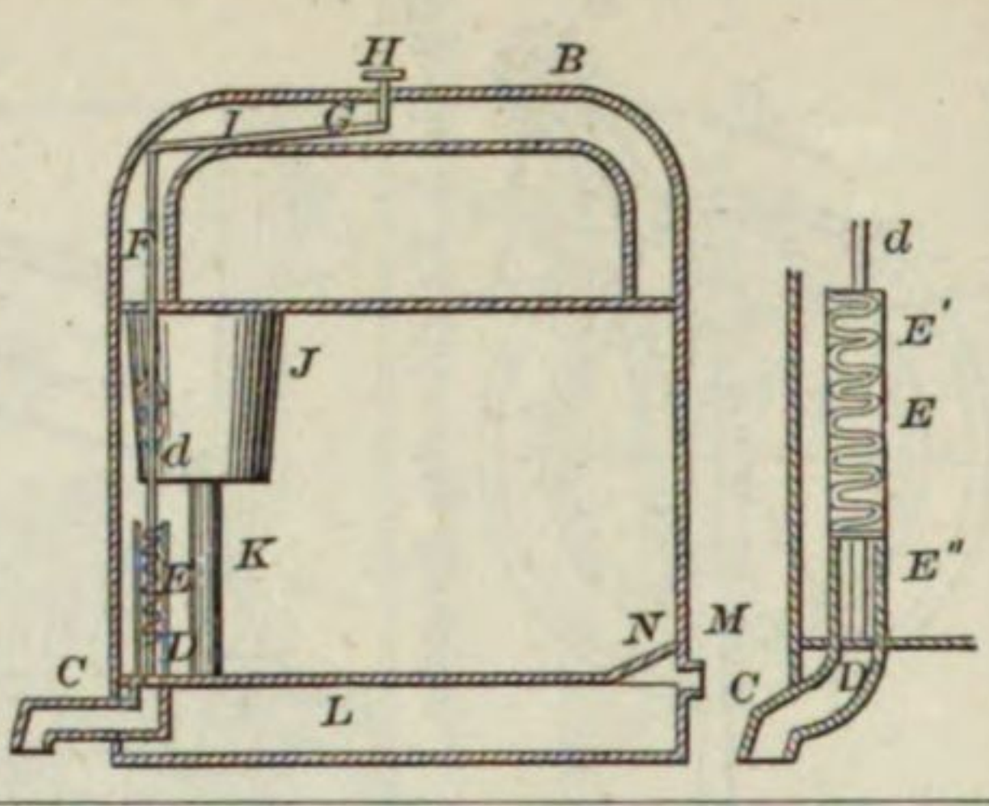
53741—J. A. Marden—*Leather Splitting Machine.*



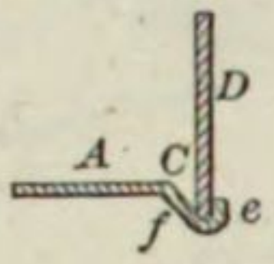
53746—W. Orr Jr.—*For Winding Yarn.*



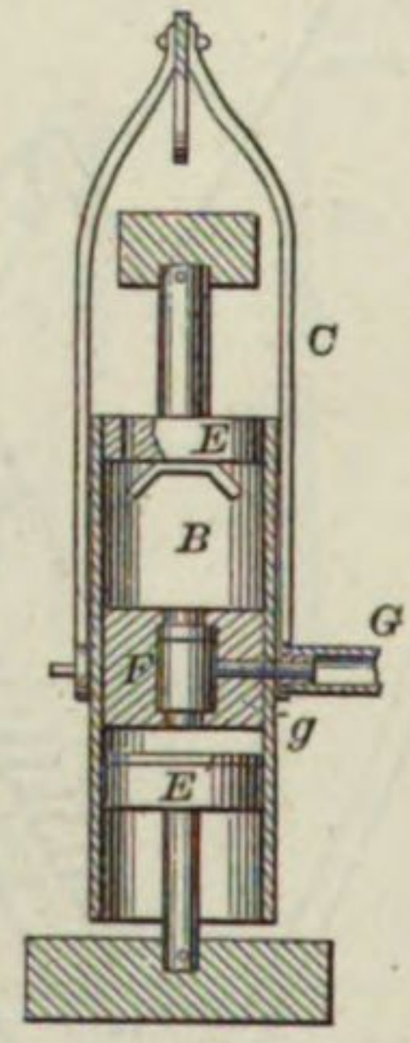
53748—L. T. Richer—*Water Can for Cars.*



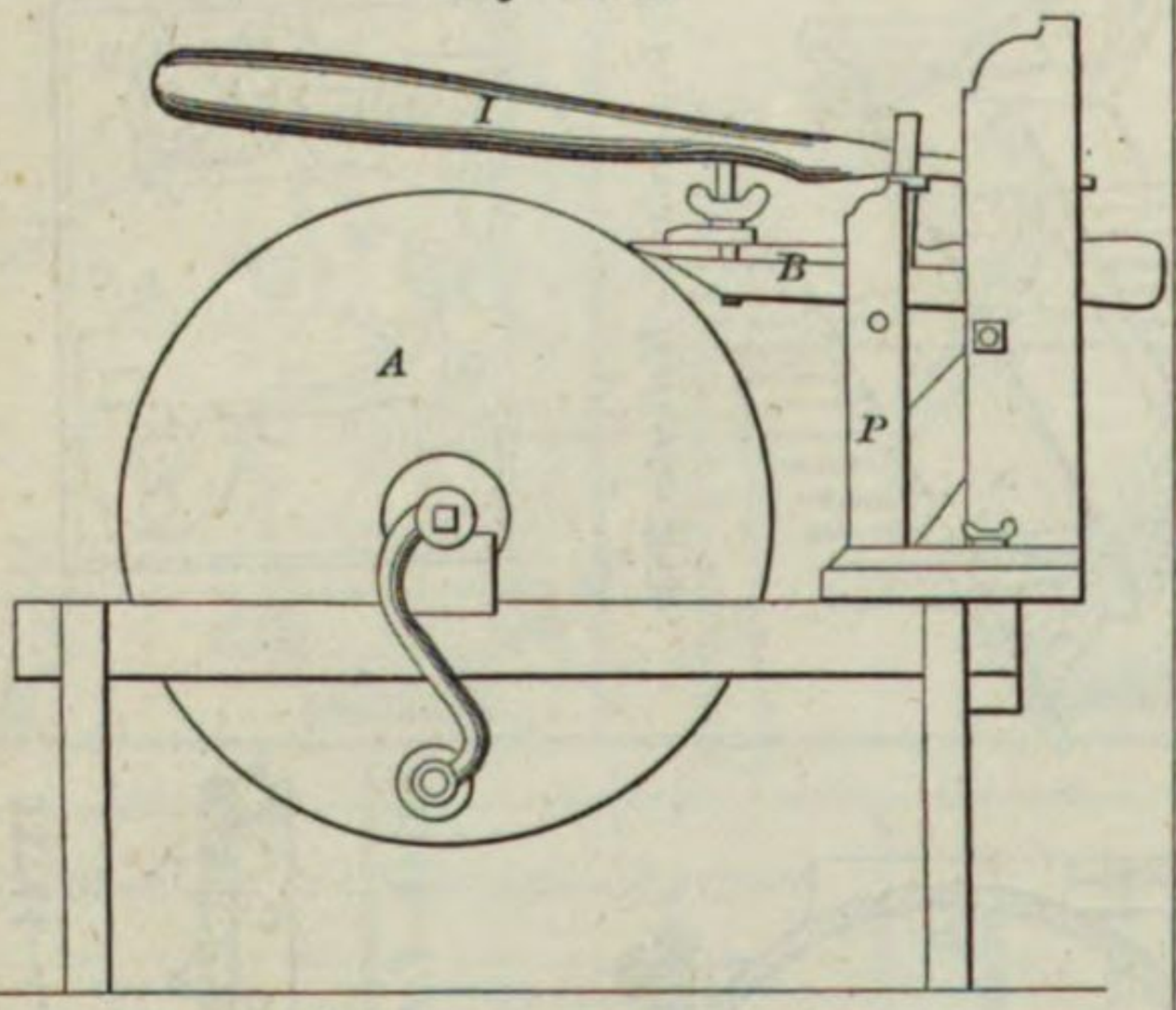
53751—
G. F. Stone—
Sheet Metal Can.



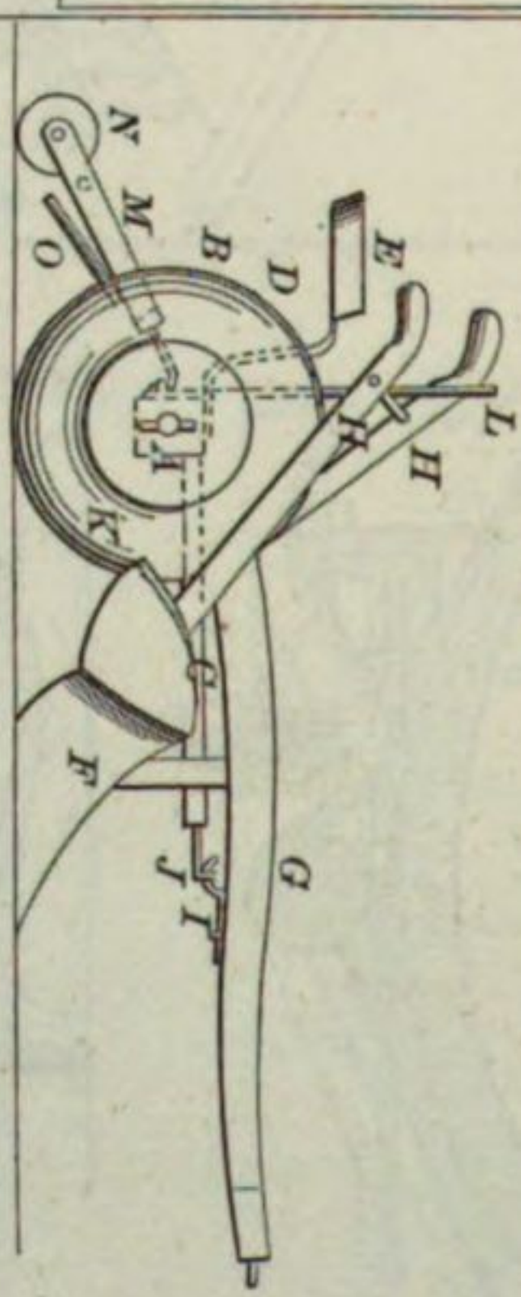
53750—H. M. Stoker—
Pump.



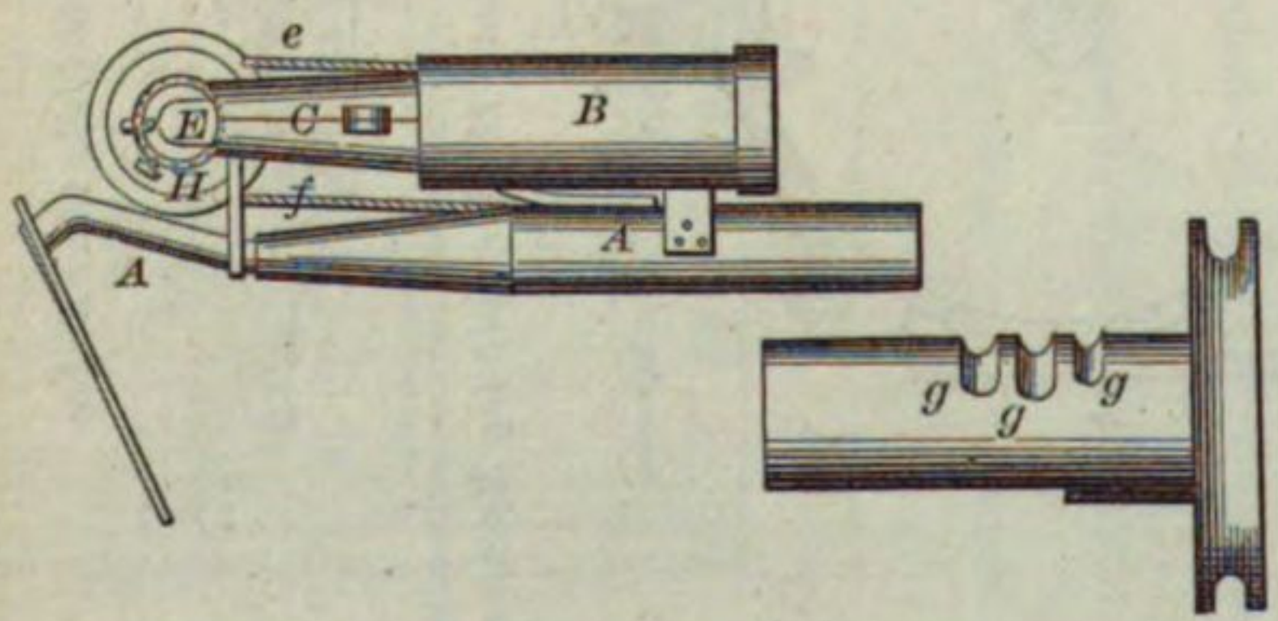
53747—J. Richardson—*Machine for Holding and Grinding Edge Tools.*



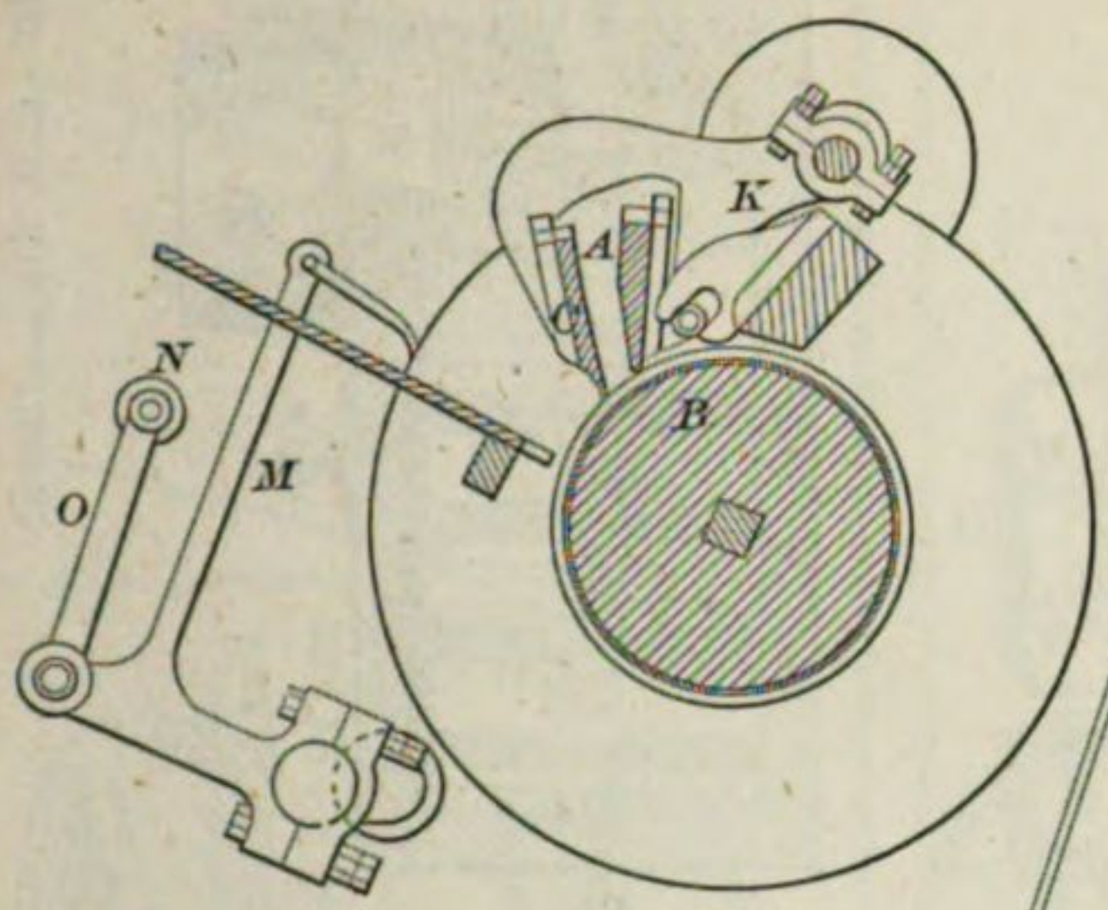
53749—M. Roberts—*Attachment in Plows.*



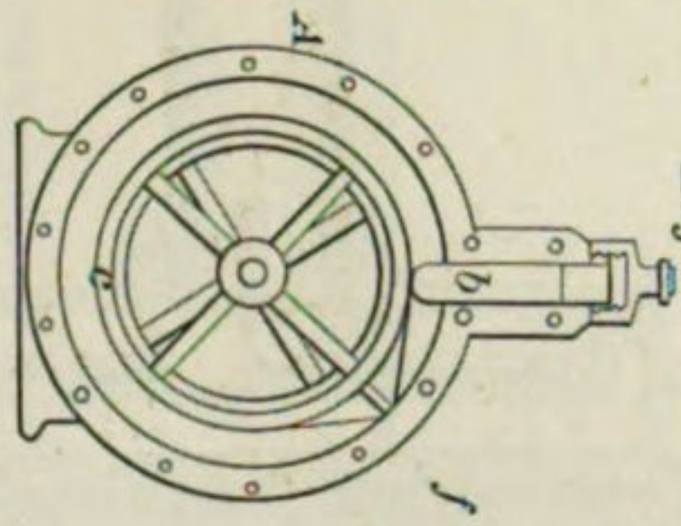
53752—Tyler & Tattershall—*Hand Corn Planter.*



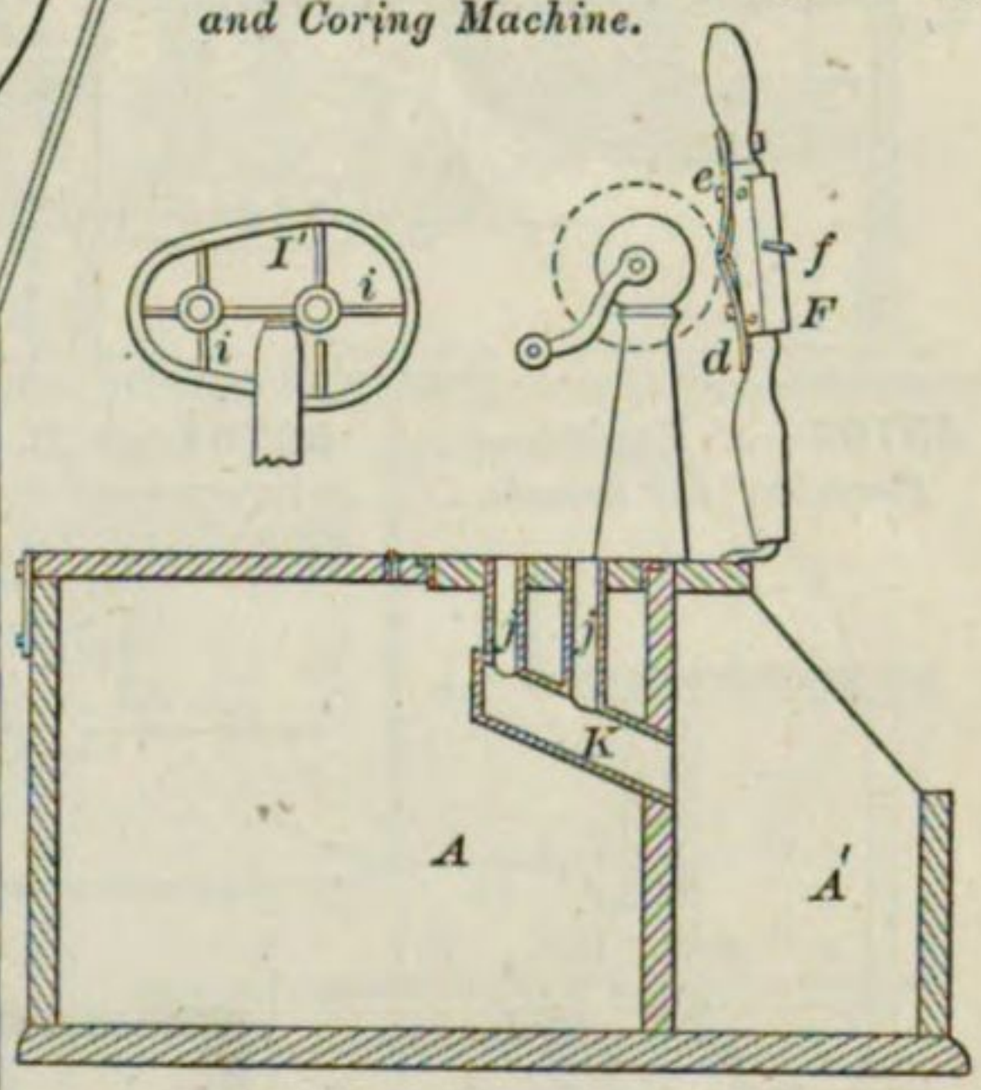
53753—E. A. Cowper—*Cotton Gin.*



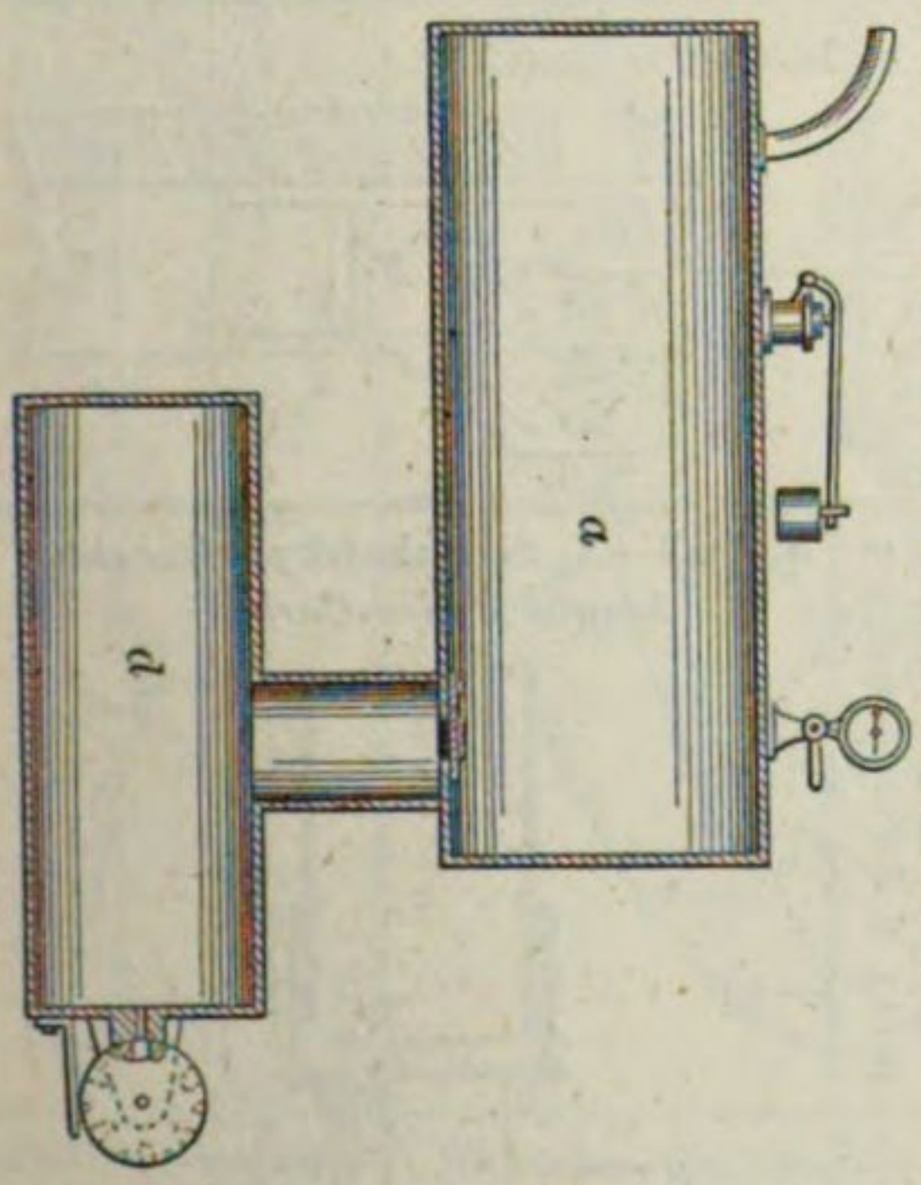
53755—R. D. Wright—*Rotary Engine.*



53754—W. Weaver—*Paring, Cutting and Coring Machine.*

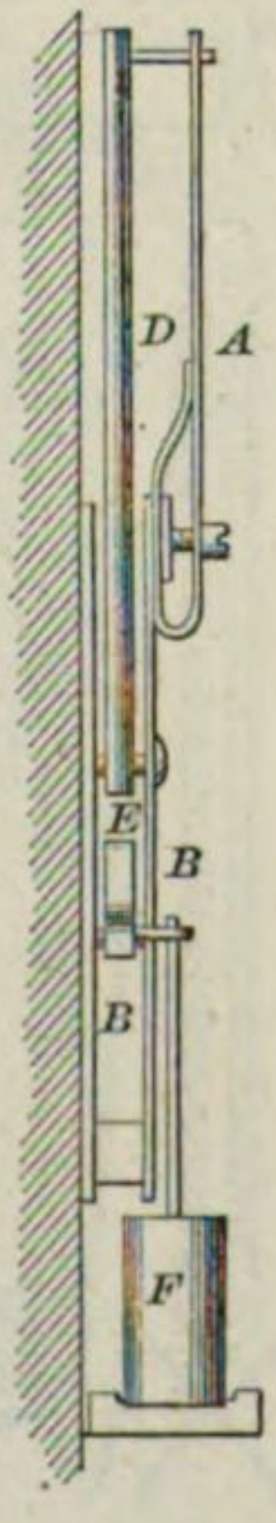


53758—J. Gros—*Compressed Gas Generator.*

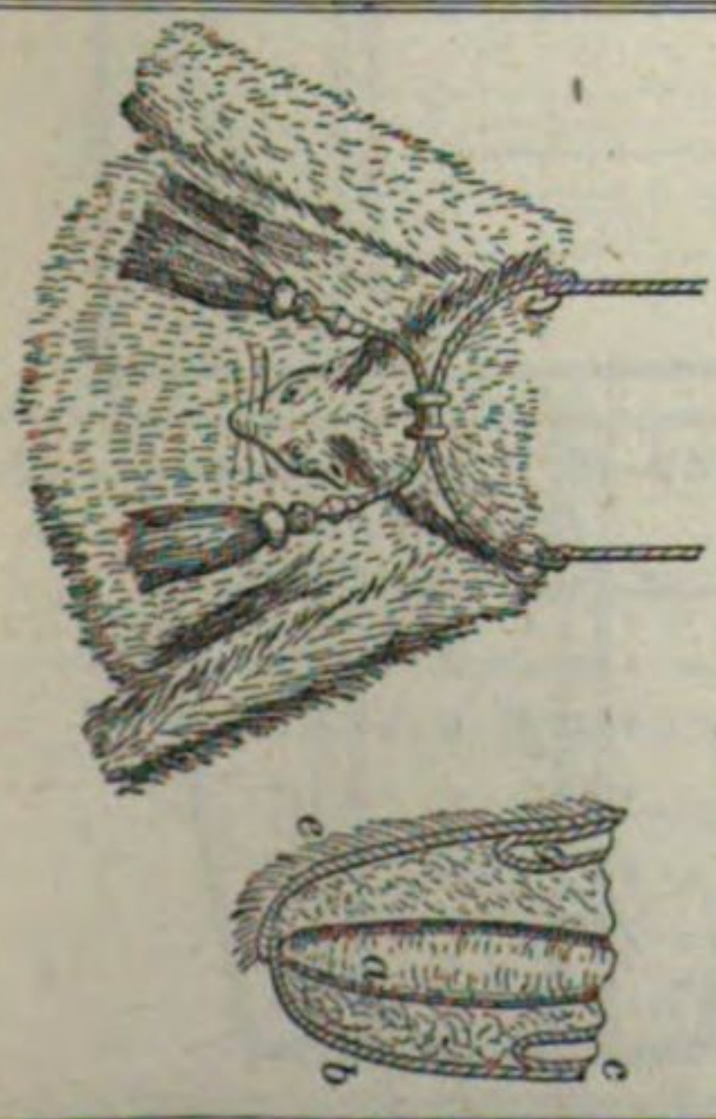


53756—C. P. Coles—*For Protecting the Bottoms of Ships.*

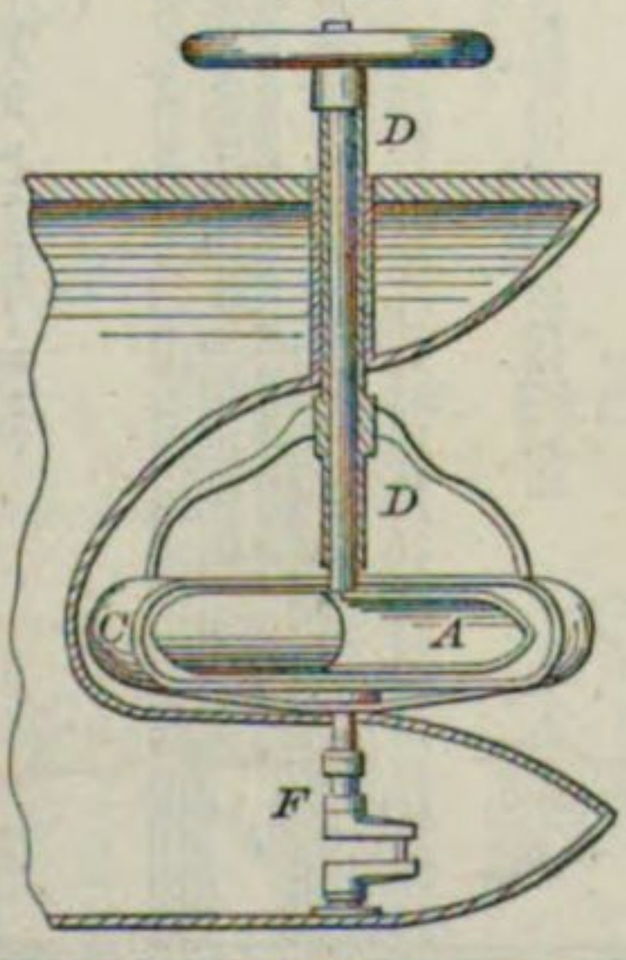
53757—C. Dion—*Fire Alarm.*



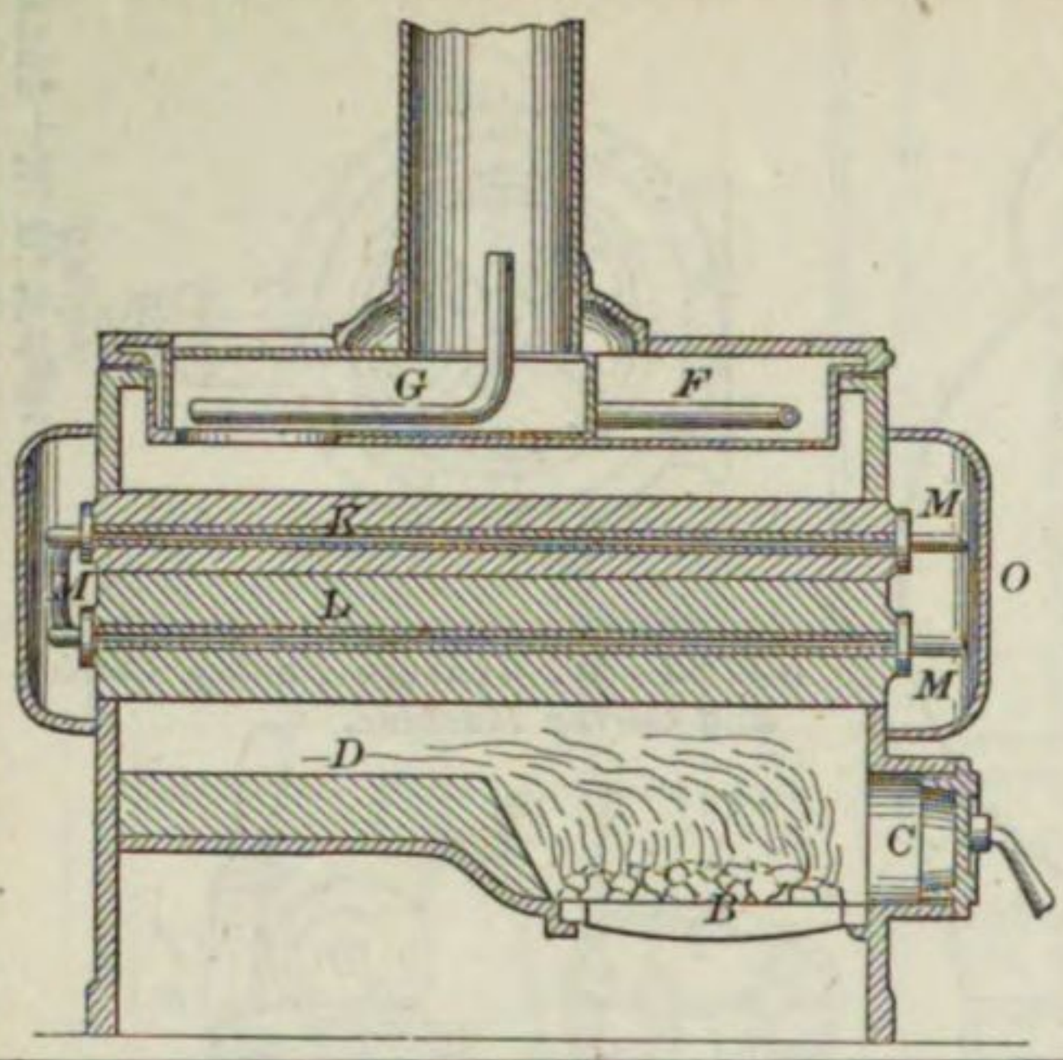
53760—M. Mahler—*Muff.*



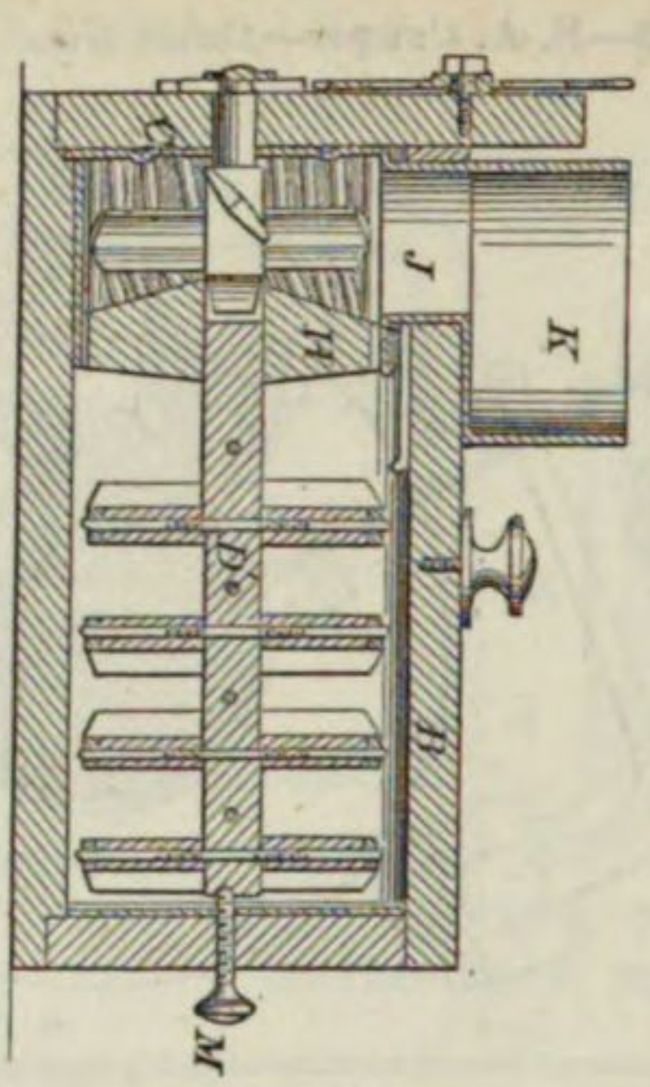
53759—J. Jopling—*Propelling and Steering Apparatus.*



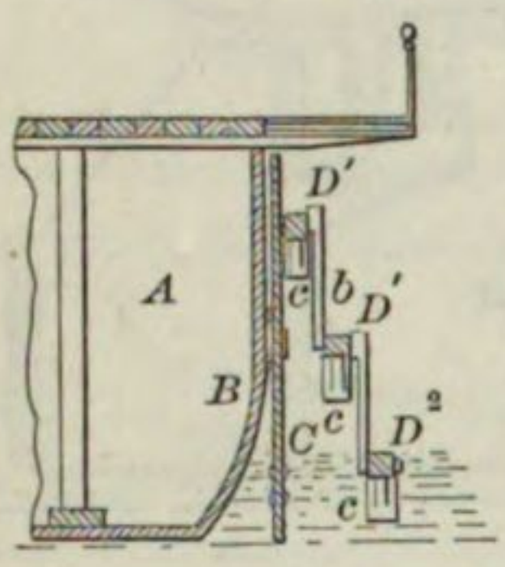
53761—P. C. Moller—*Steam Generator.*



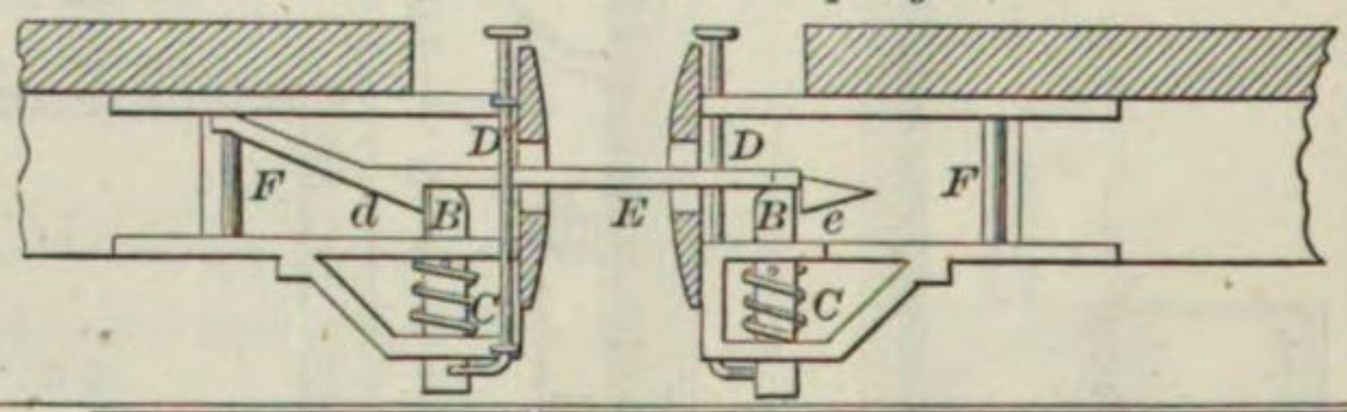
53766—L. O. Allen—*Churn.*



53762—A. Raphin—*Propeller for Vessels.*

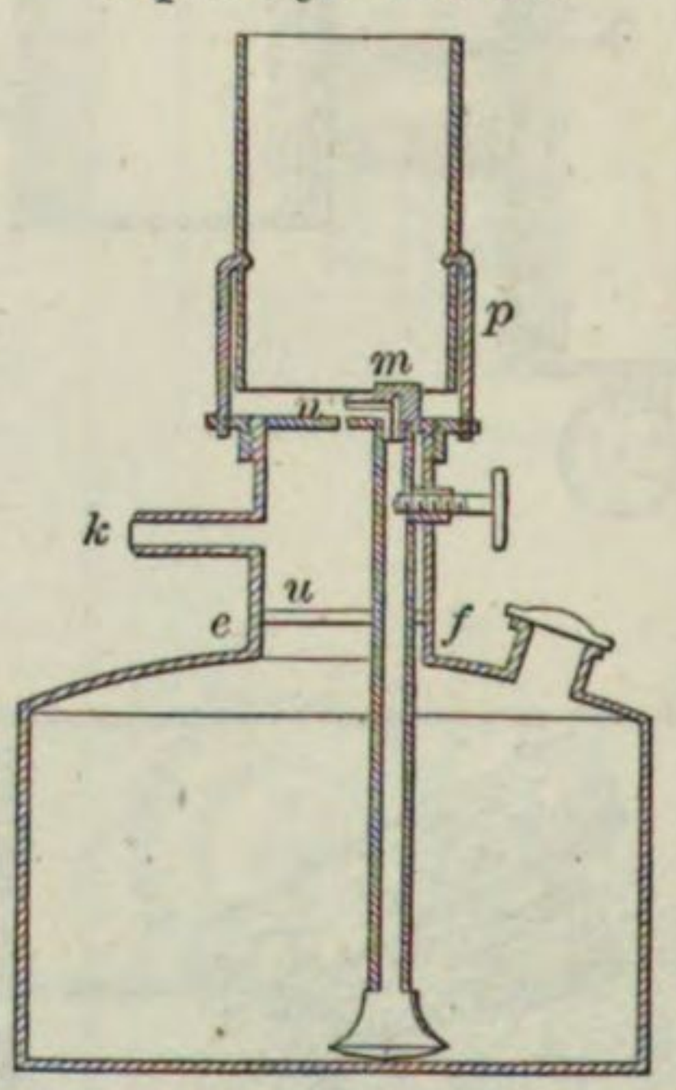


53764—A. B. & F. S. Taft—*Car Coupling.*

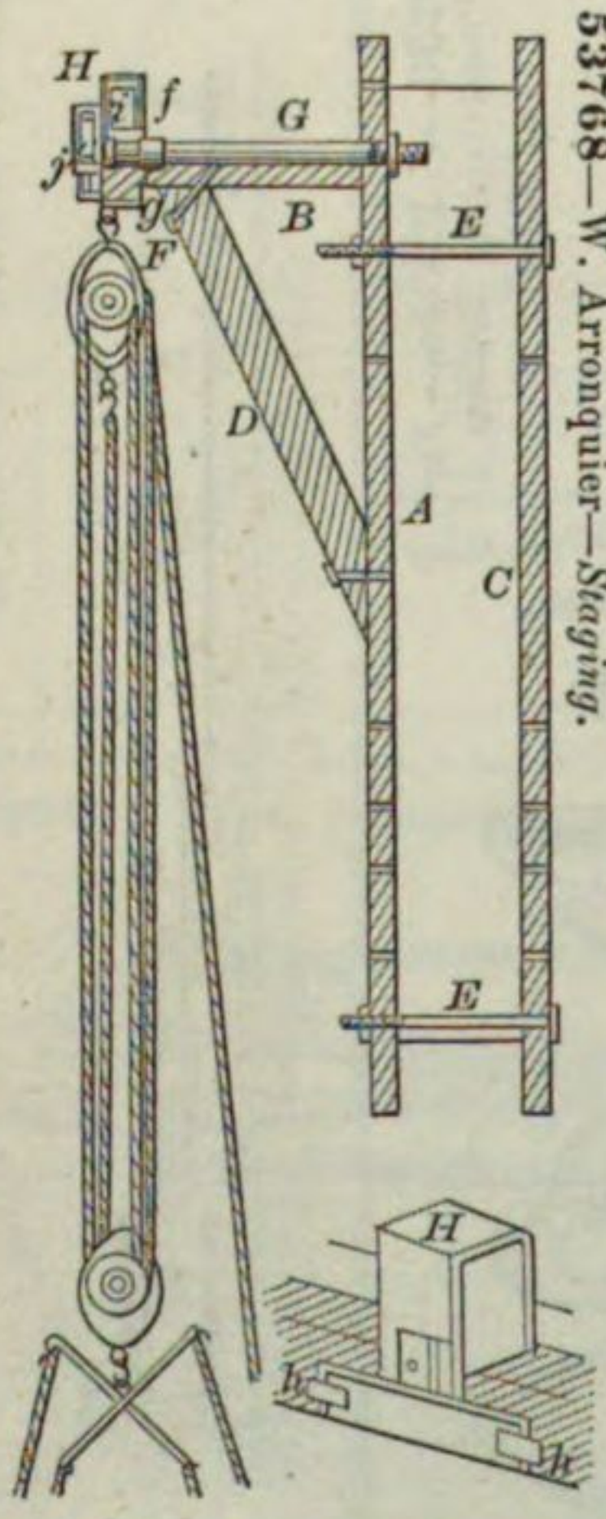


53765—Ackley & Truax—*Manufacture of Cans.*

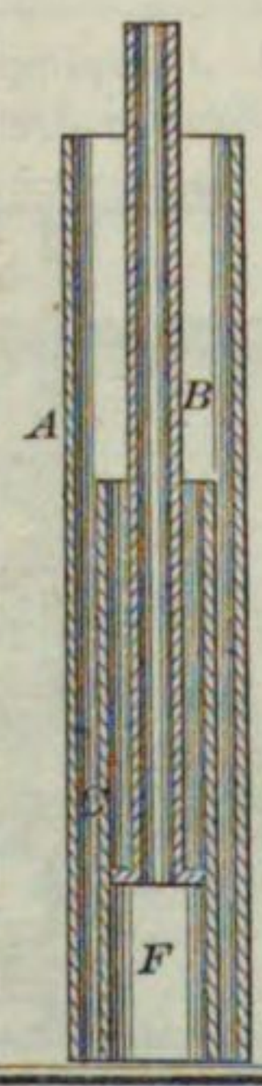
53763—A. Schpakofsky—*Burning Liquid Hydro-Carbon.*



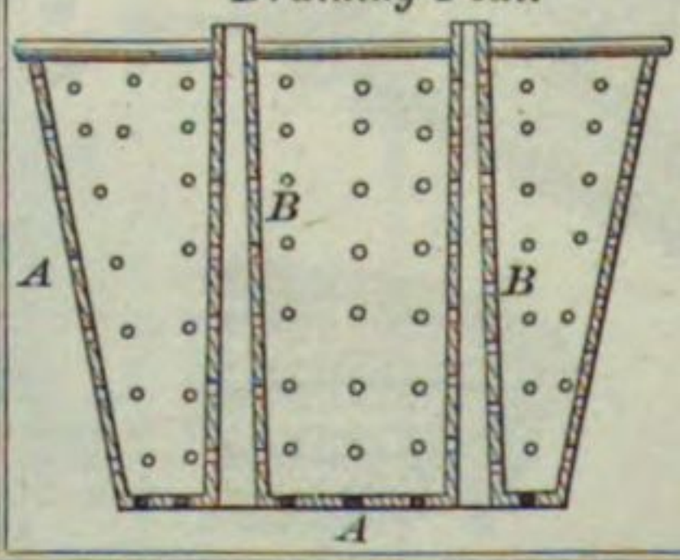
53768—W. Arronquier—*Staging.*



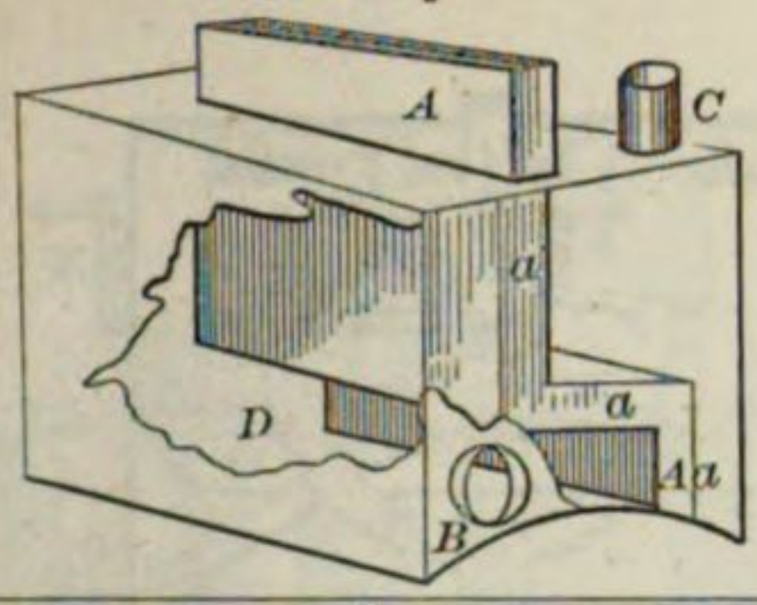
53767—E. S. Alvord—*Well.*



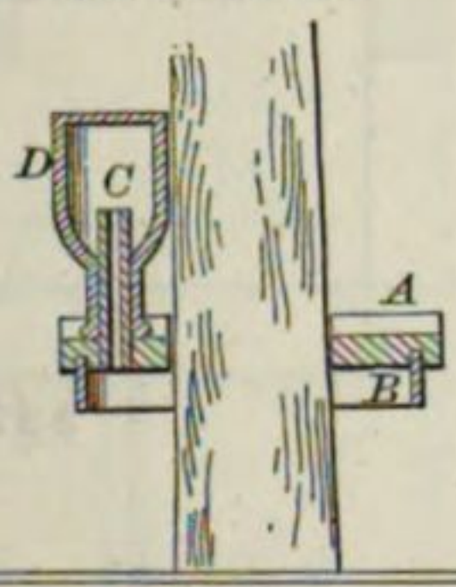
53769—E. H. Ashcroft—*Cistern for Draining Peat.*



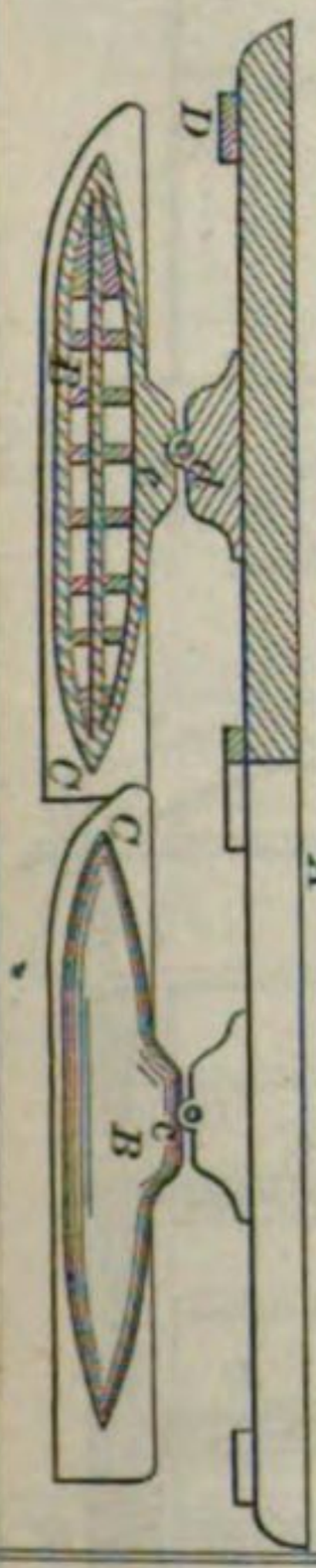
53770—Aspinwall & Whitlock—*Chimney.*



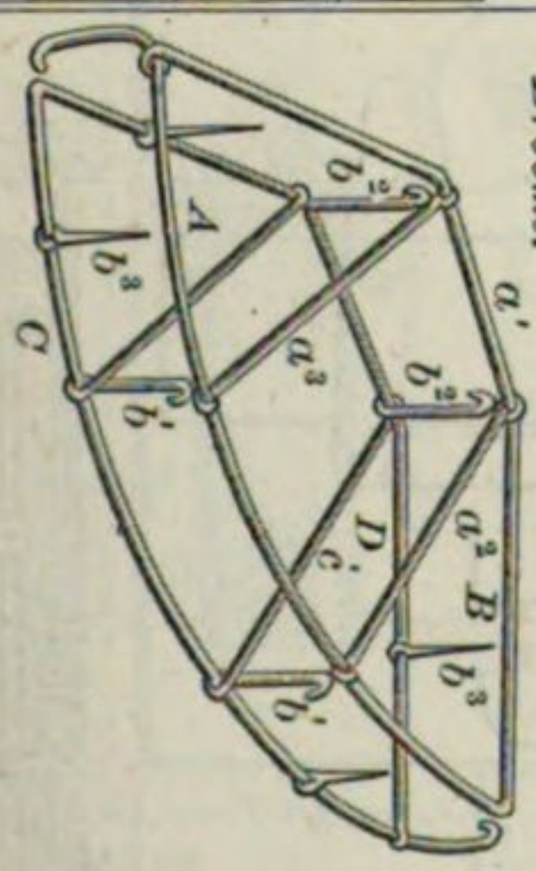
53772—B. Beach—*Tree Protector.*



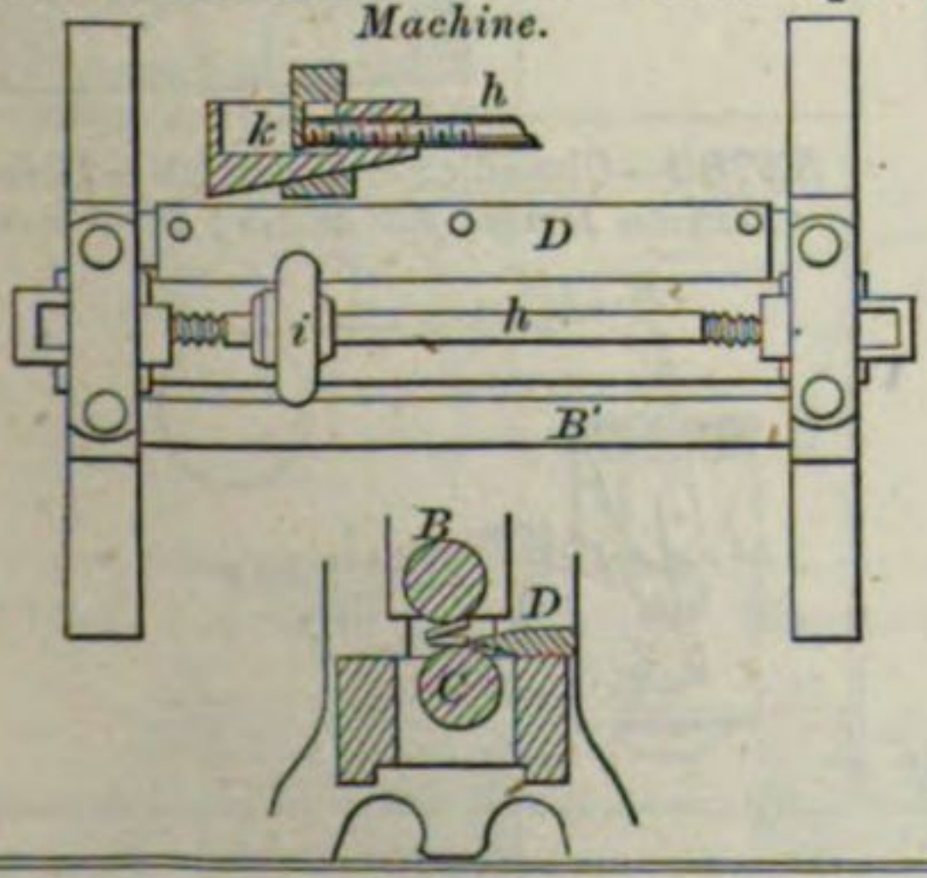
53775—A. T. Boon—*Float for Boats.*



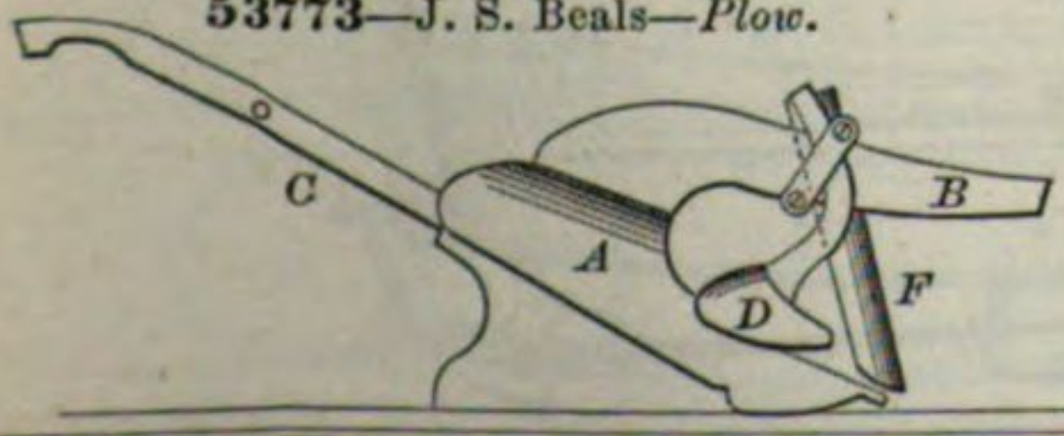
53776—T. F. Boyer—*Clamp for Brooms.*



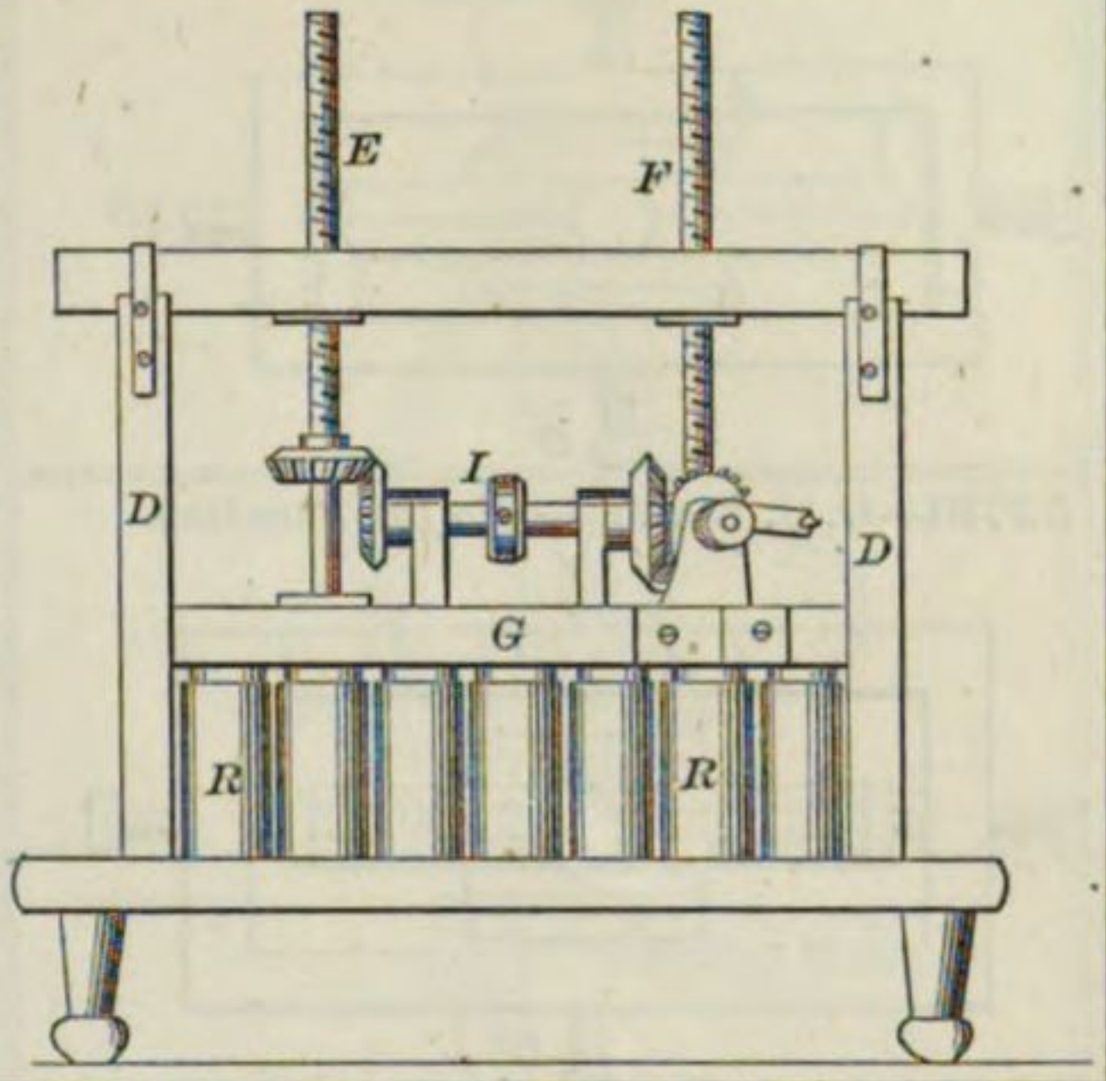
53771—Baldwin & Hawkins—*Leather Splitting Machine.*



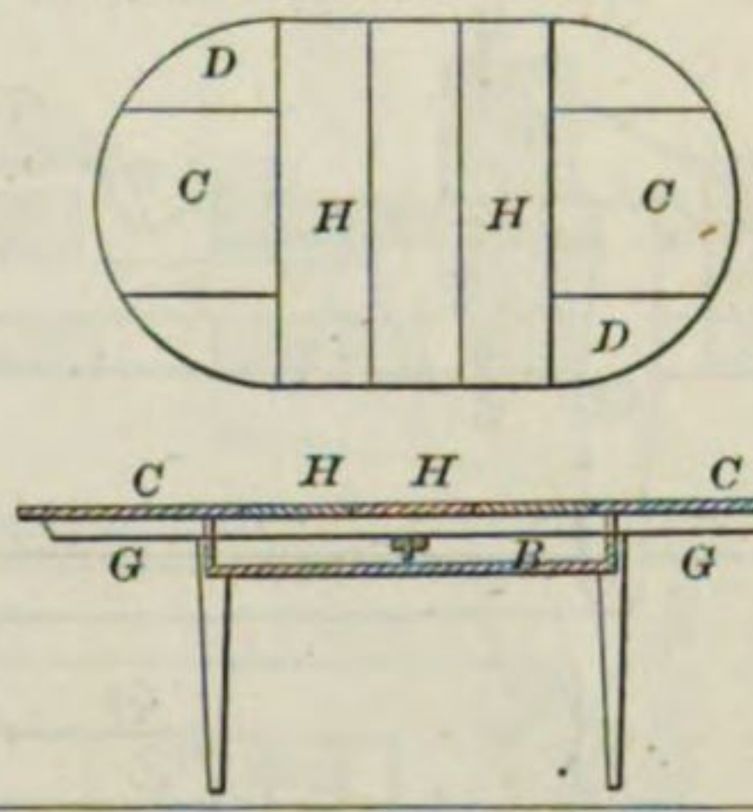
53773—J. S. Beals—*Plow.*



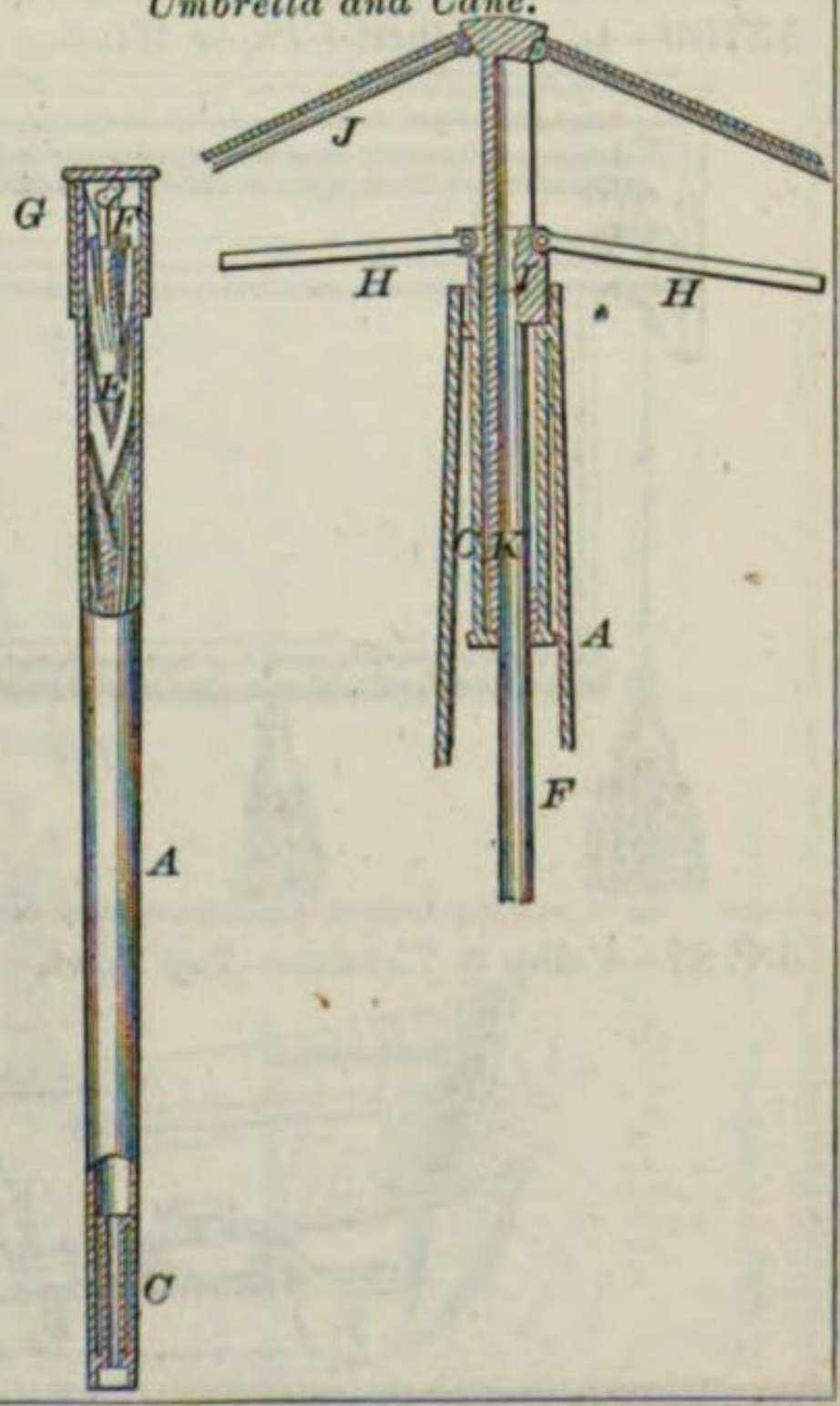
53777—J. Budlong—*Manufacture of Cheese.*



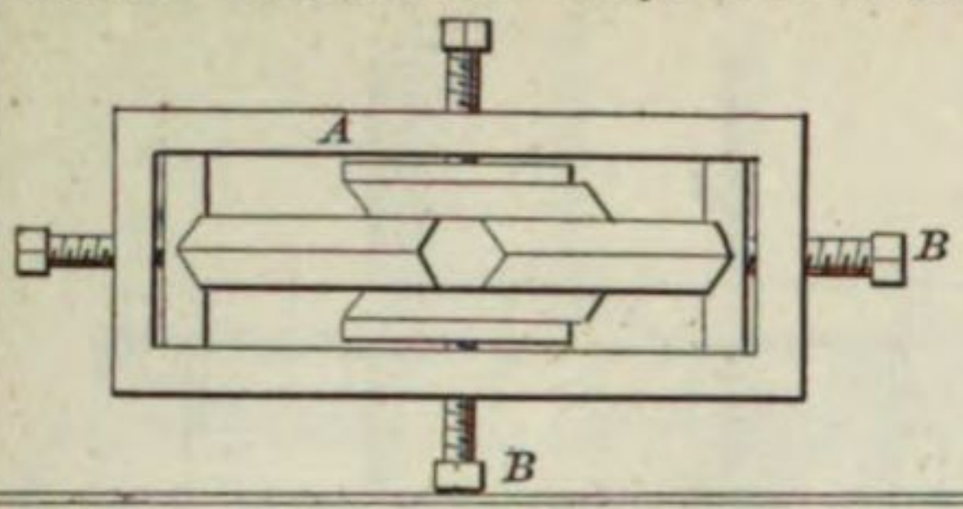
53774—W. Bedle—*Table.*



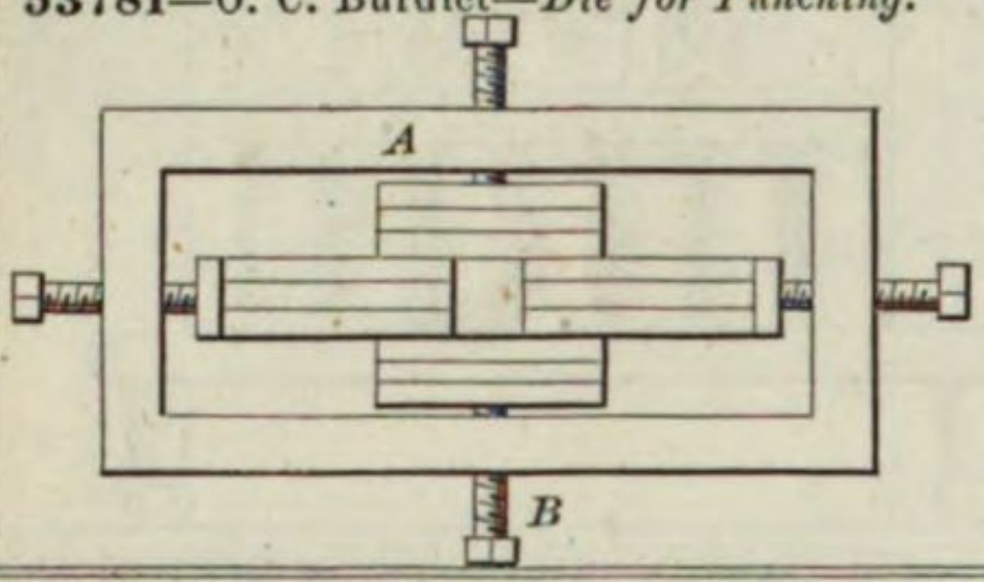
53778—P. T. Brownell—*Combined Umbrella and Cane.*



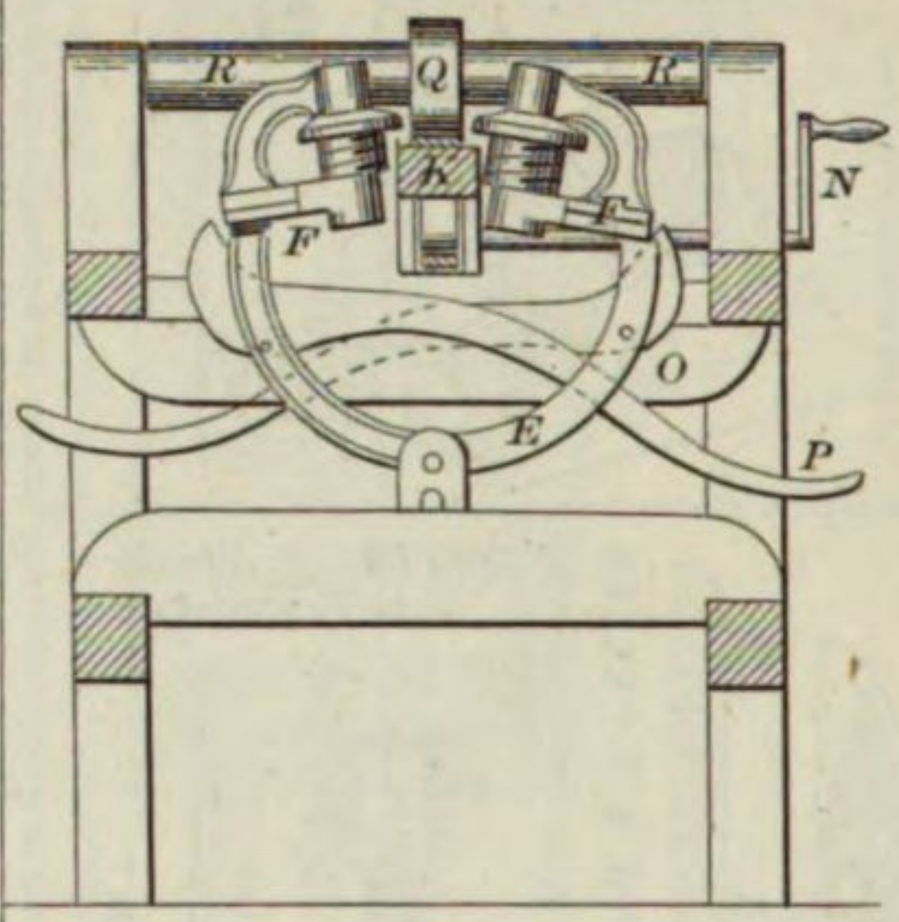
53780—O. C. Burdict—*Die for Nut Machines.*



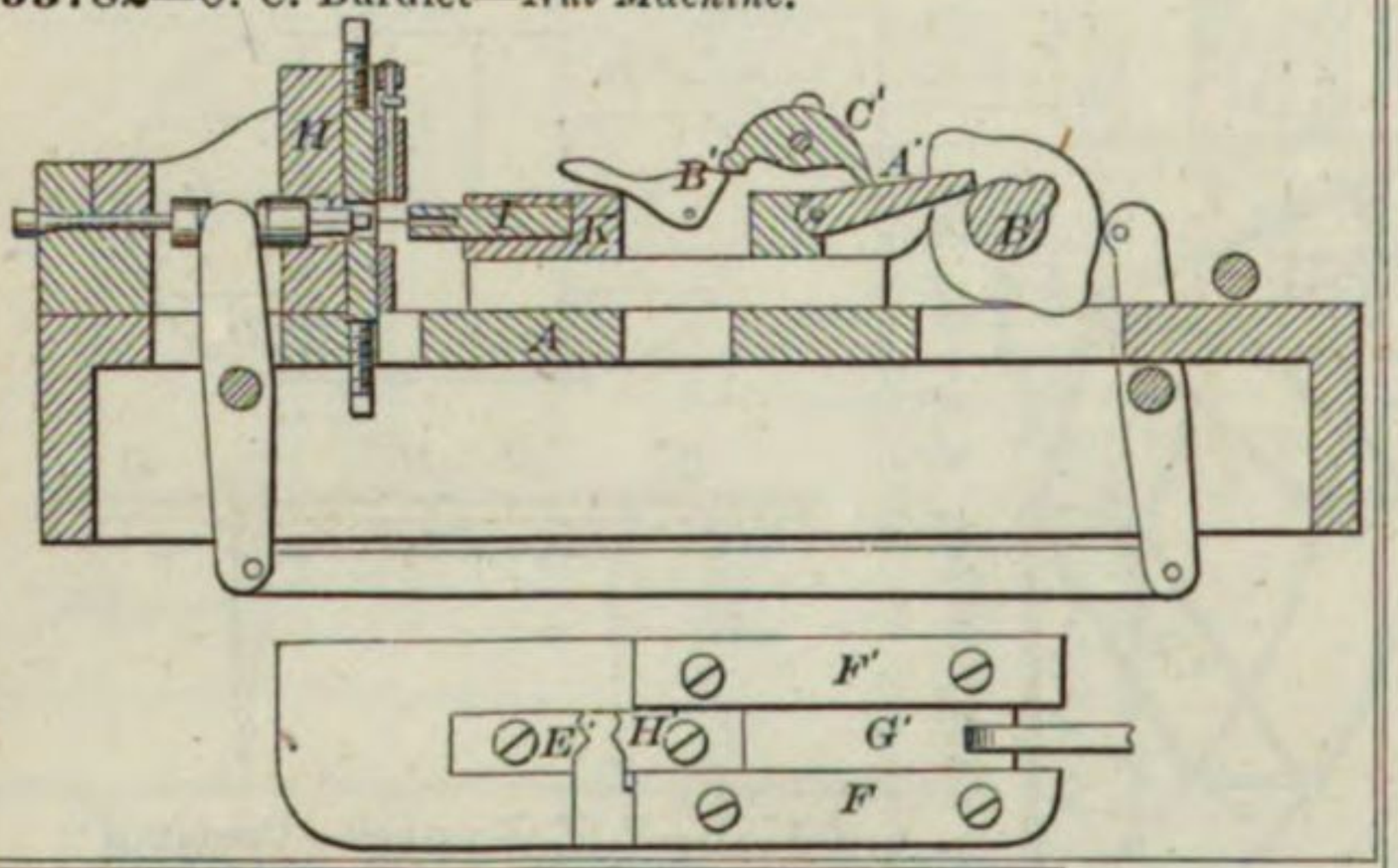
53781—O. C. Burdict—*Die for Punching.*



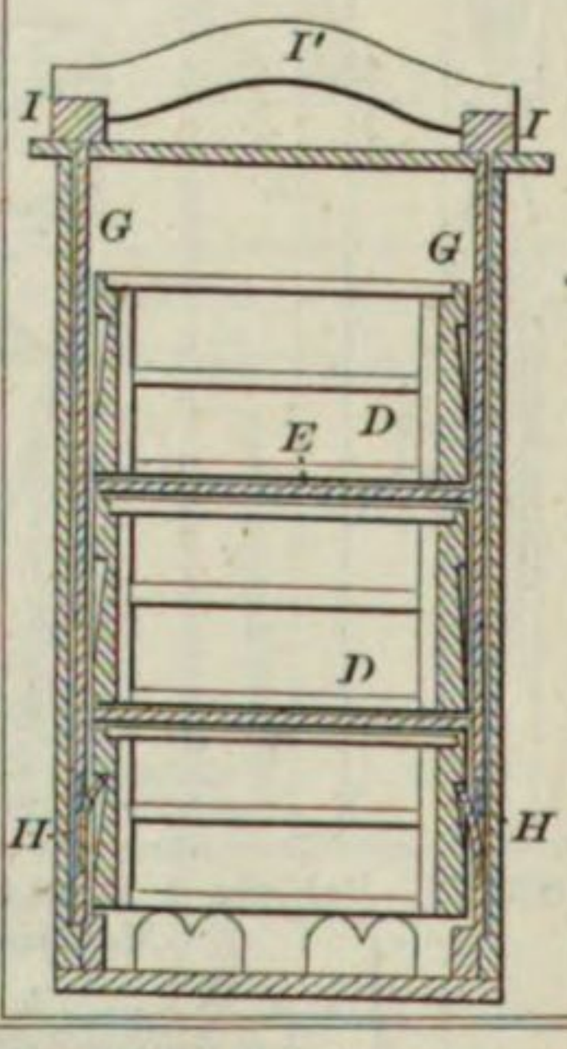
53784—T. Cheshire—*Stave Machine.*



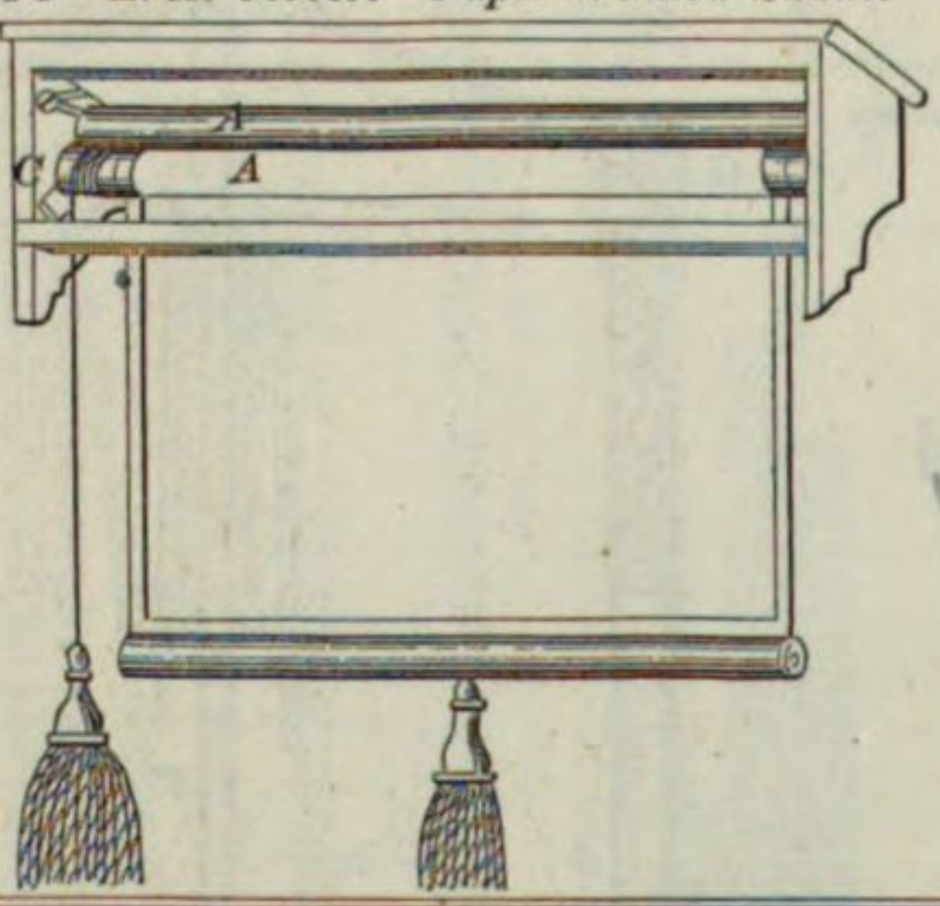
53782—O. C. Burdict—*Nut Machine.*



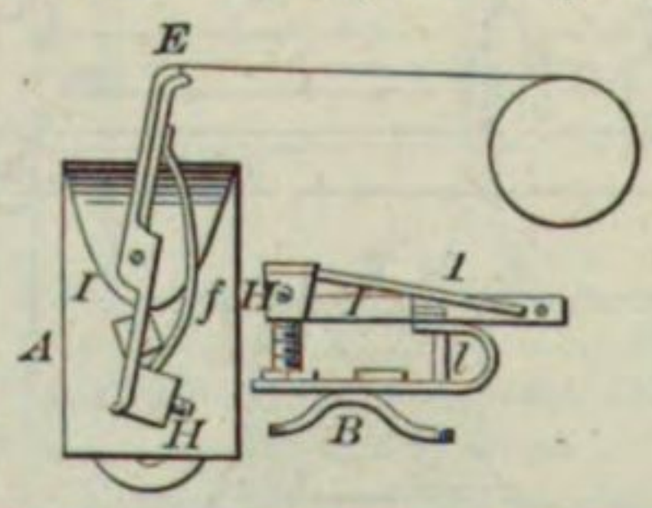
53785—J. B. Child—*Beehive.*



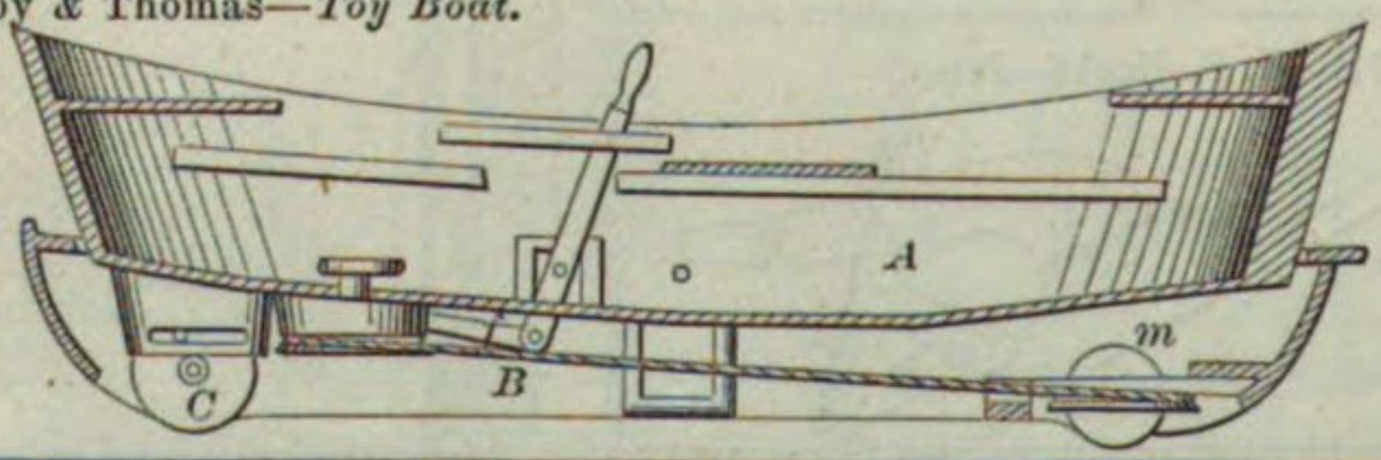
53786—L. A. Colbert—*Paper Window Shade.*



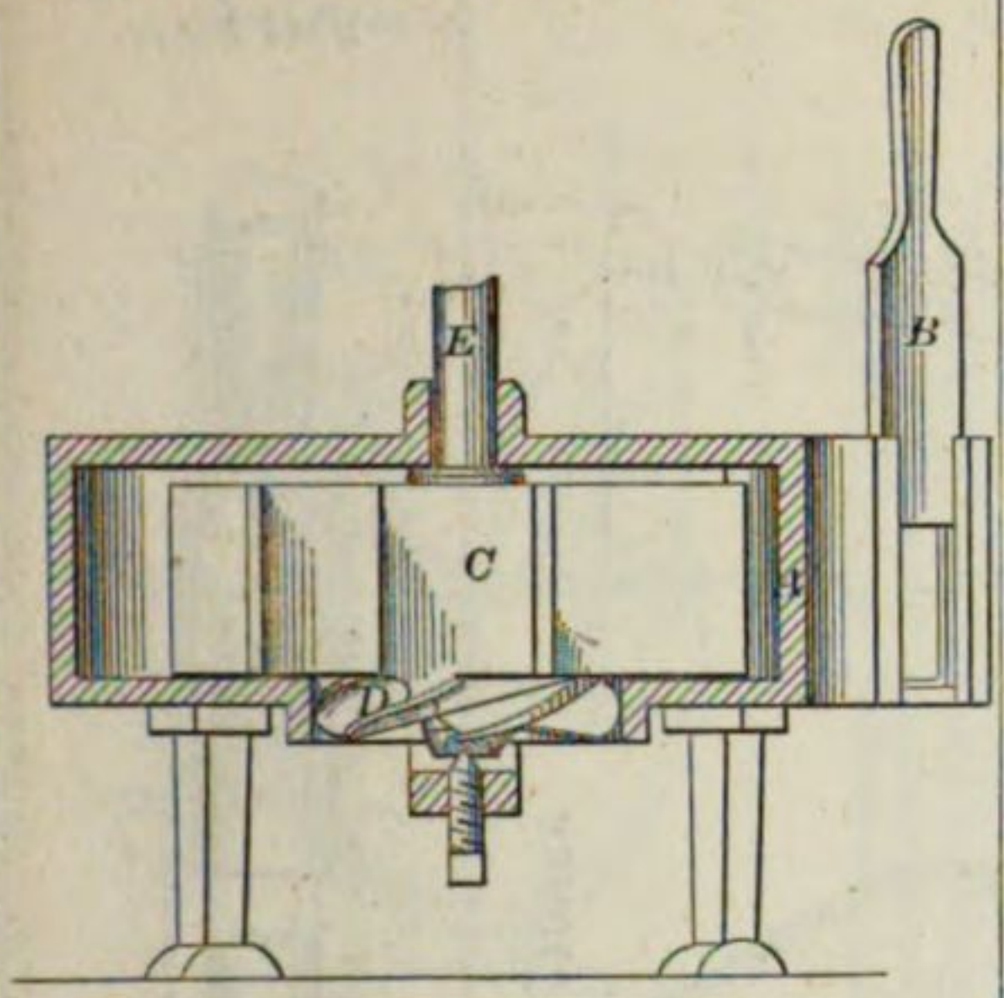
53783—Chandler & Goodrich—*Thread Tension Device for Sewing Machines.*



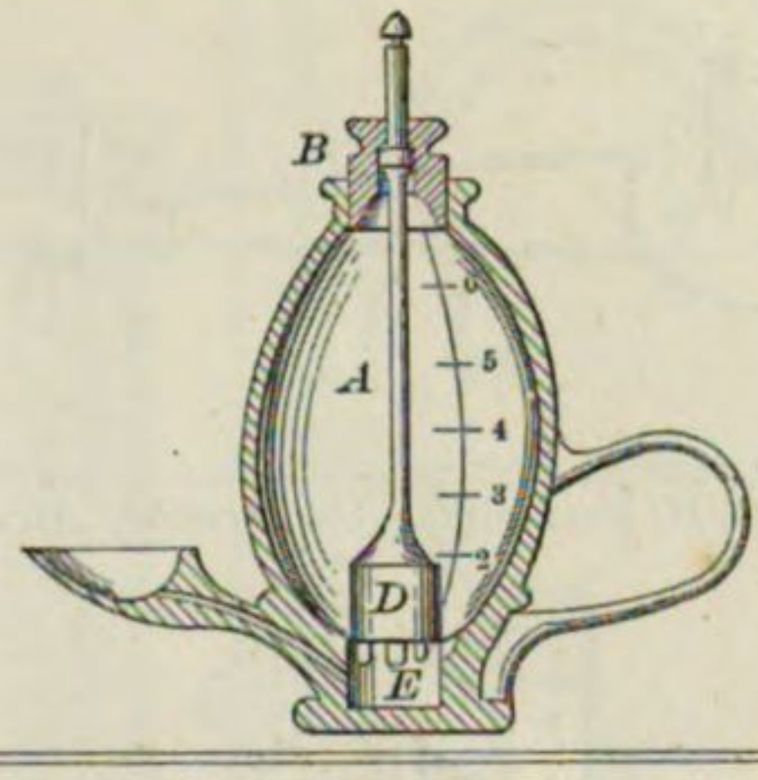
53787—Colby & Thomas—*Toy Boat.*



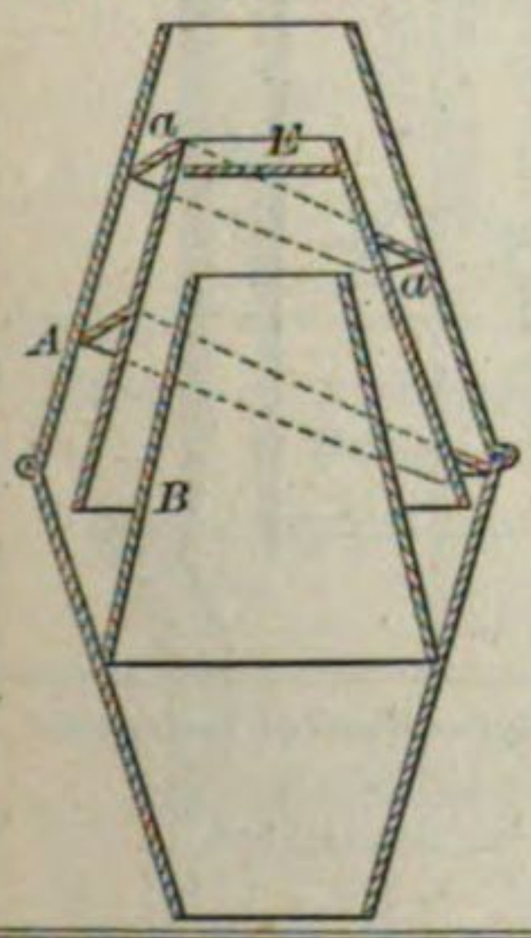
53788—A. P. Conant—*Water Wheel.*



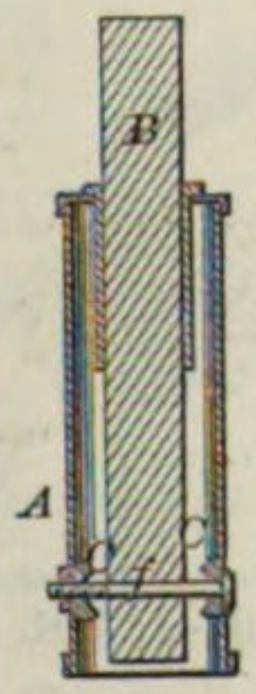
53790—S. Curtiss, Jr.—*For Administering Medicine.*



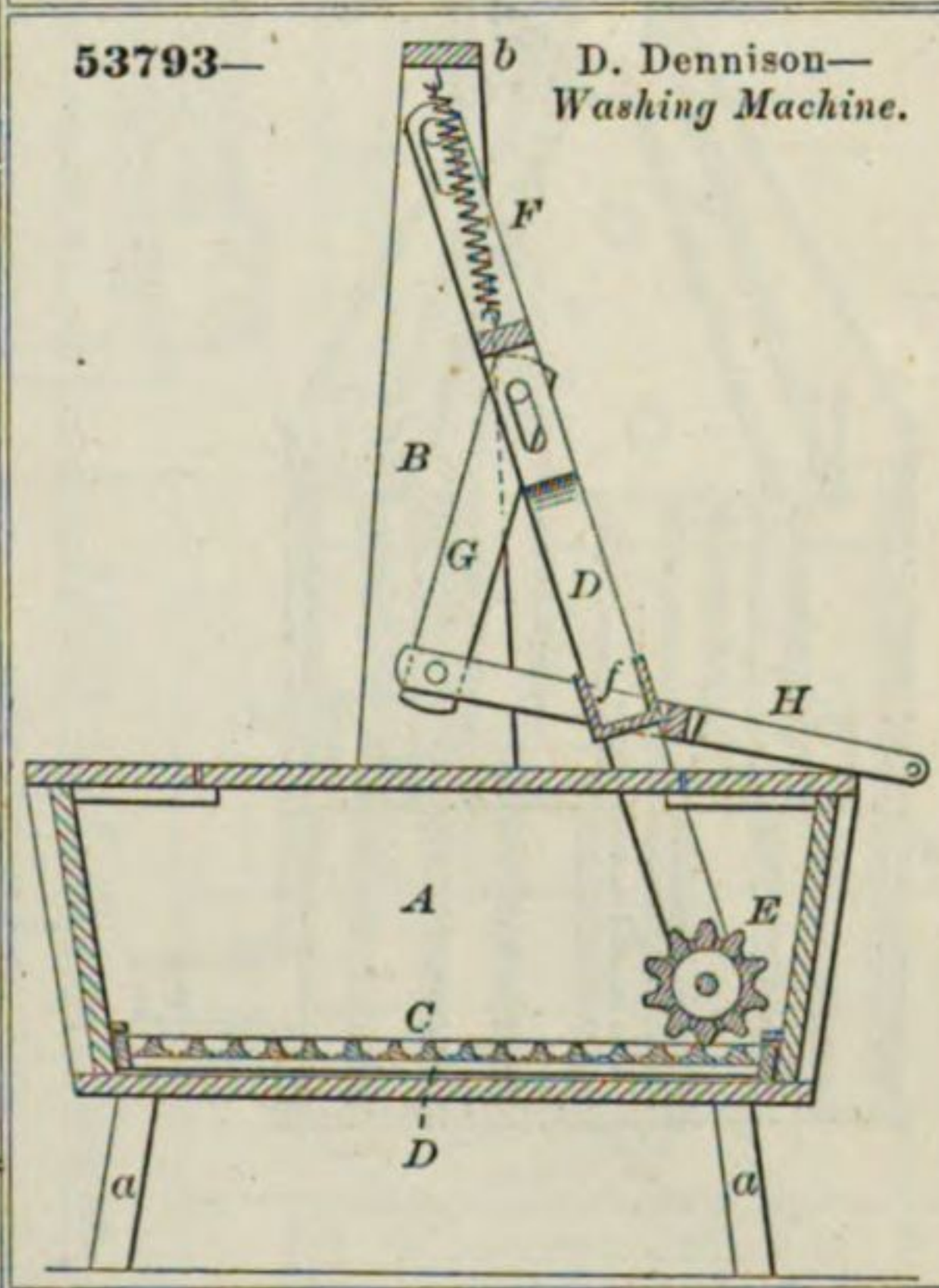
53789—T. R. Cook—
Stove Pipe Drum.



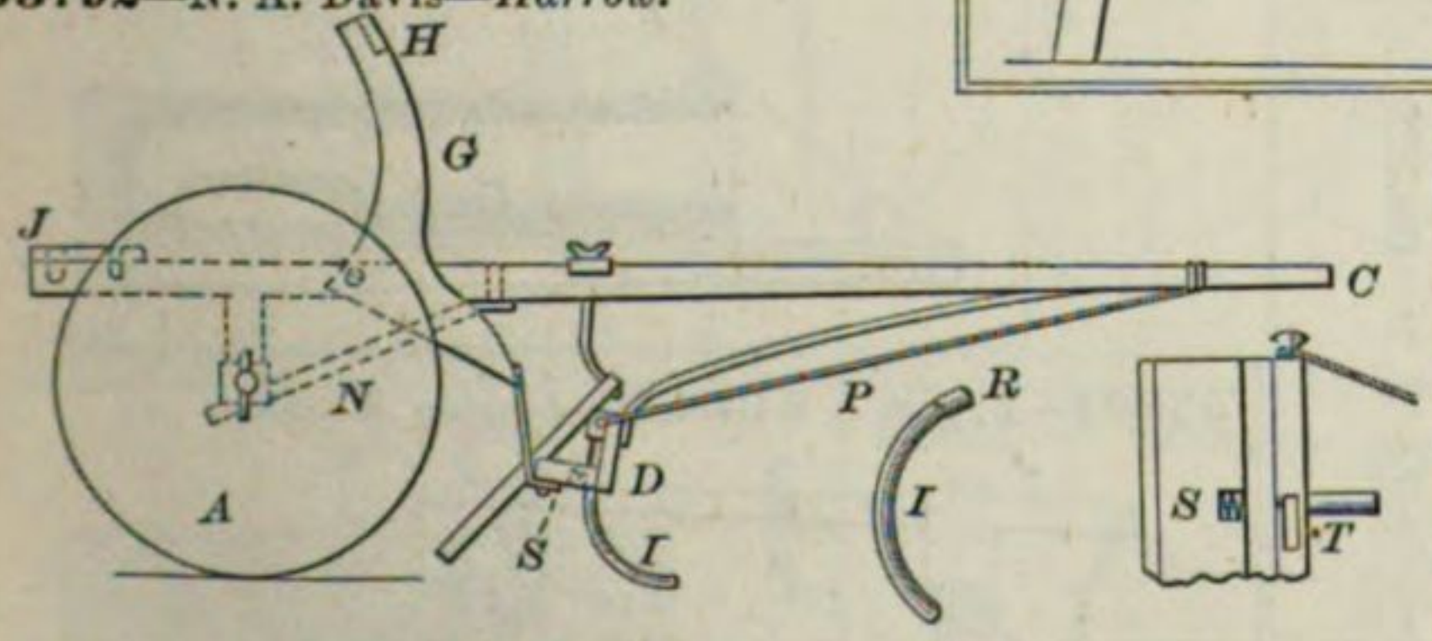
53791—J. Danner—*Broom Head.*



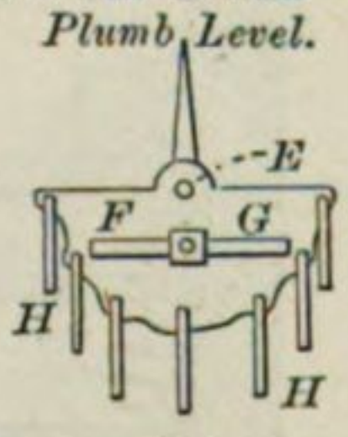
53793—D. Dennison—
Washing Machine.



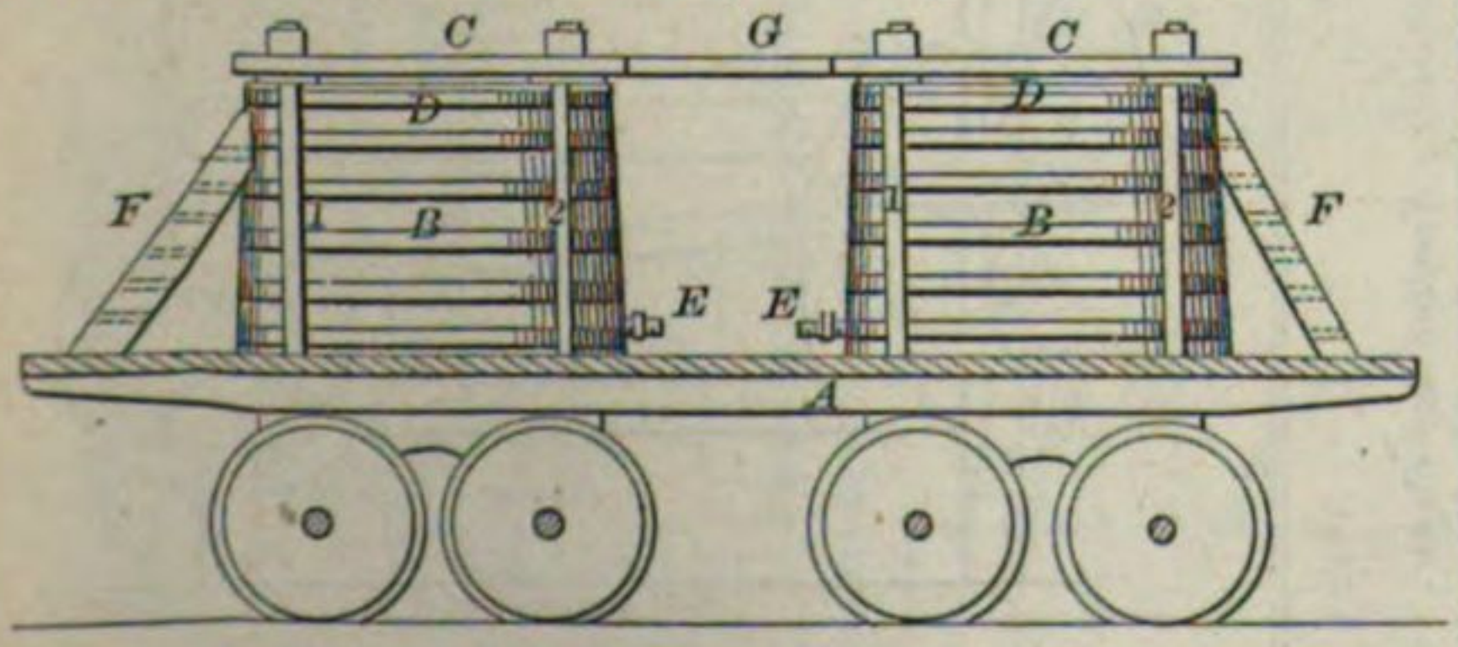
53792—N. A. Davis—*Harrow.*



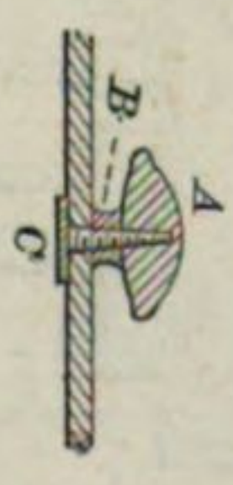
53795—
M. W. E. Doran—
Plumb Level.



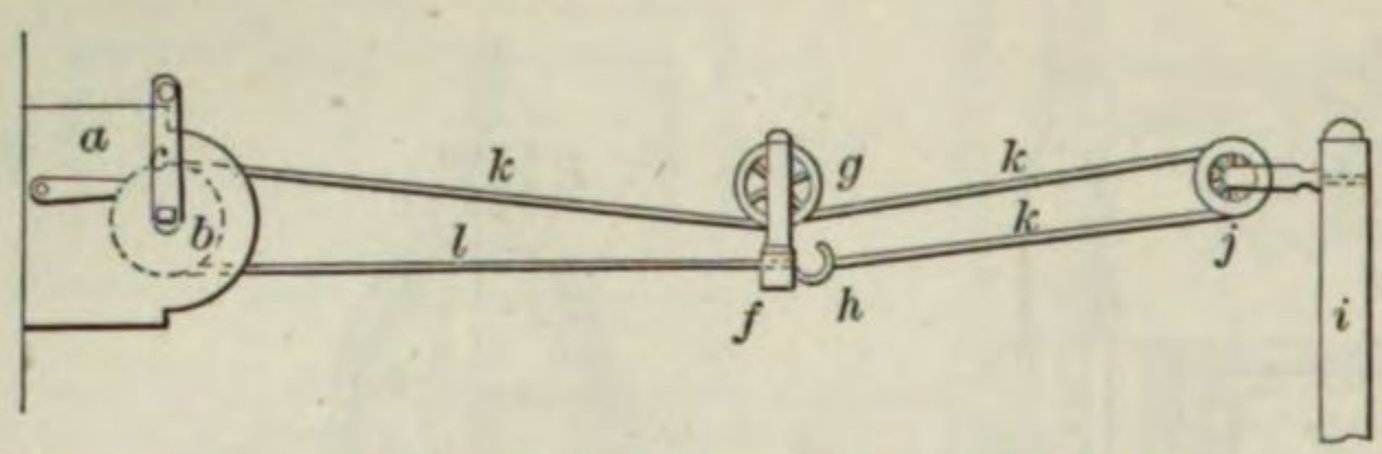
53794—J. & A. Densmore—*Car for Transporting Petroleum.*



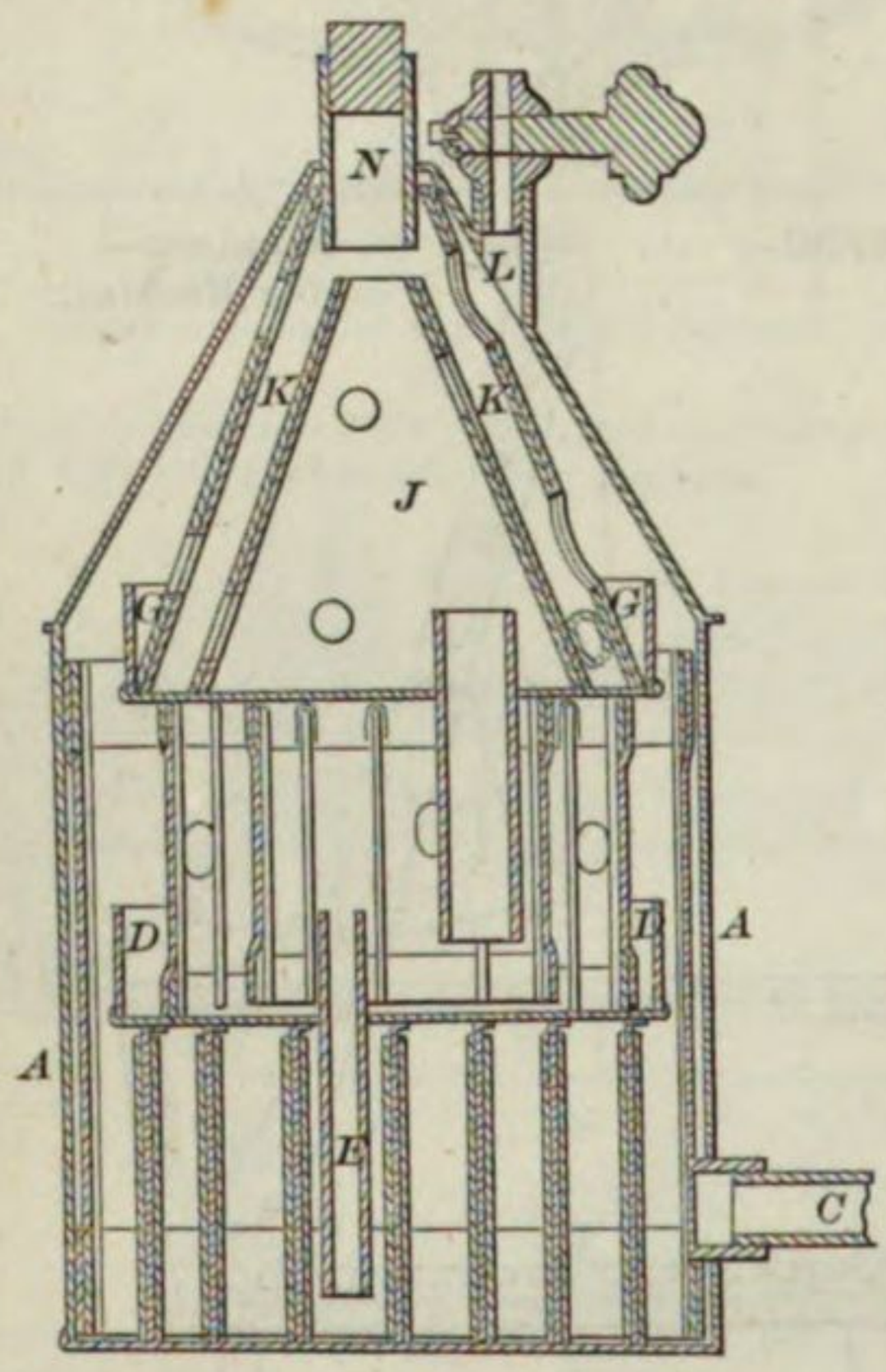
53796—F. Douglas—*Button.*



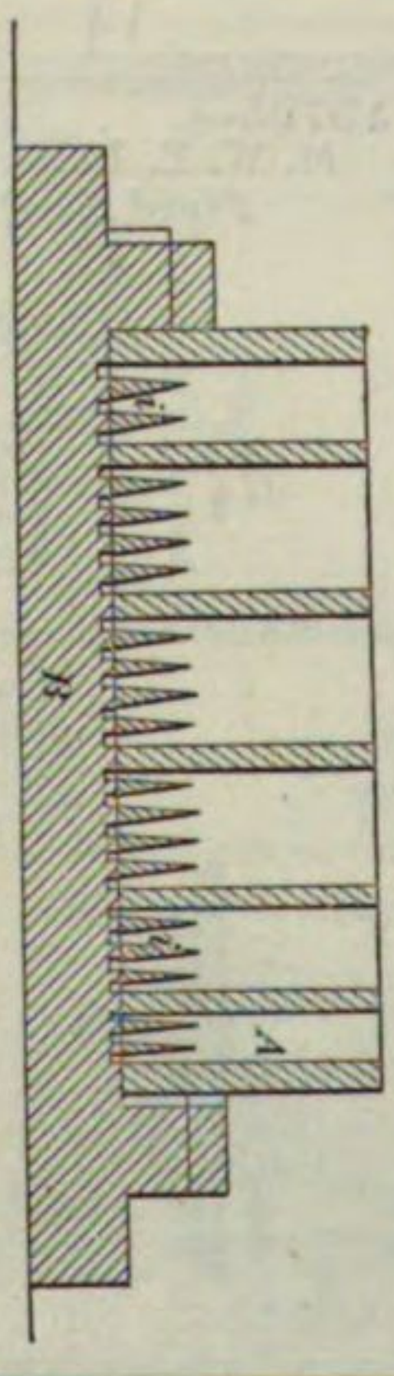
53797—Epperson & Farrell—*Clothes Dryer.*



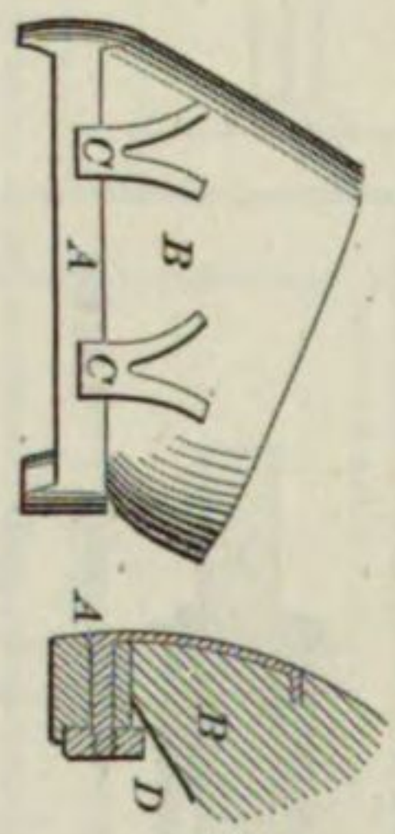
53798—H. Fairbanks—*Carburetting Air.*



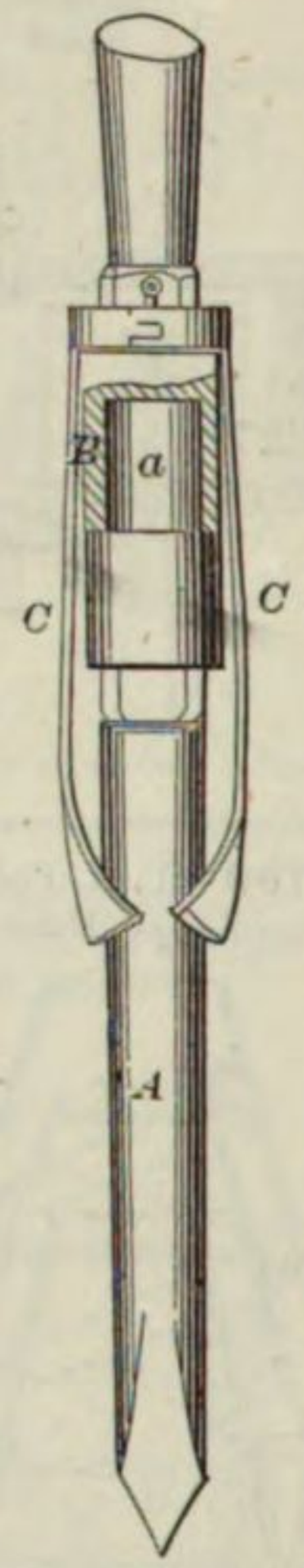
53799—G. P. Farmer—*For Sticking Needles into Paper.*



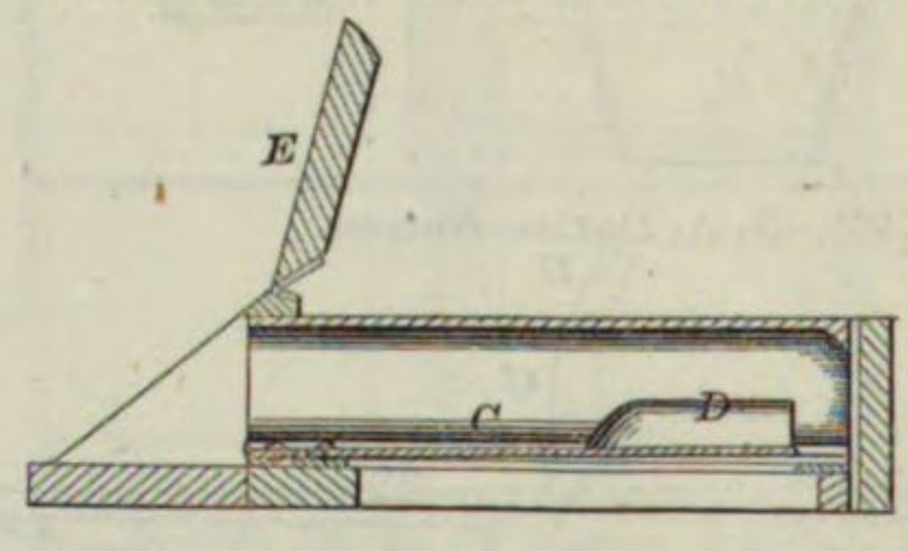
53801—J. W. Faulkner—*Horse Shoe.*



53802—F. Fohr—*Well Borer.*

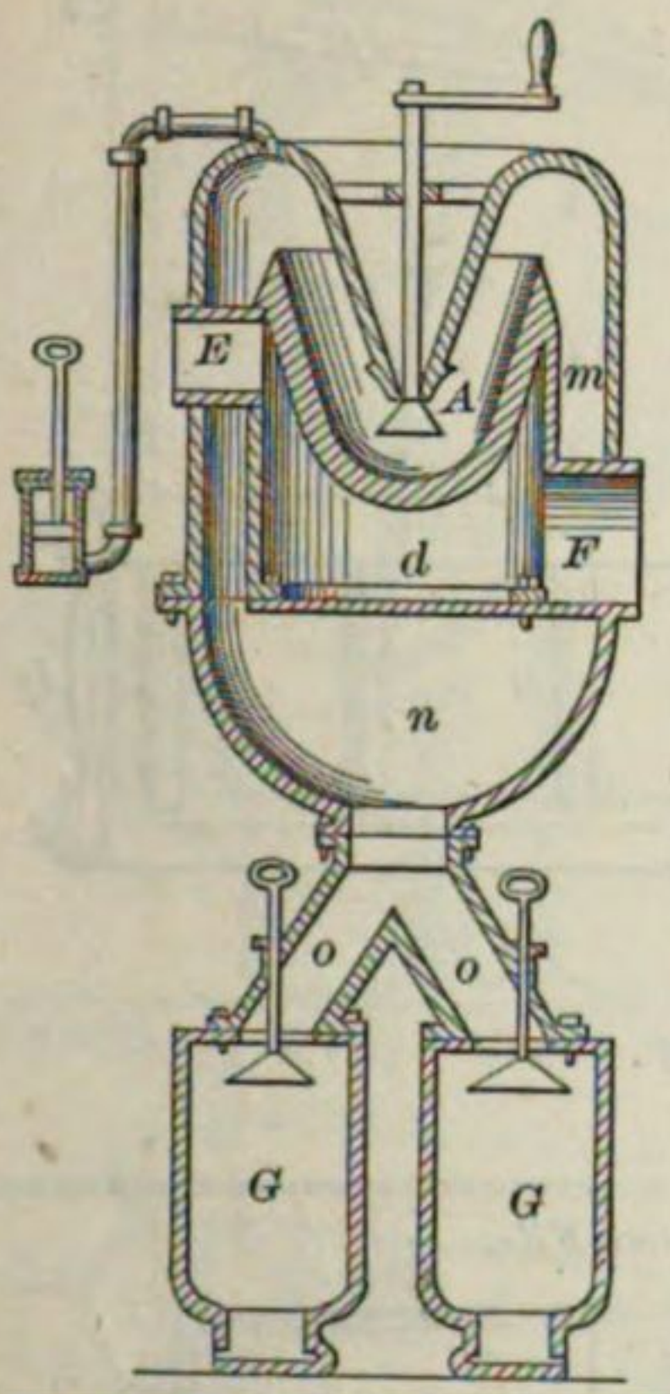


53803—J. & E. Foster—*Musical Instrument.*

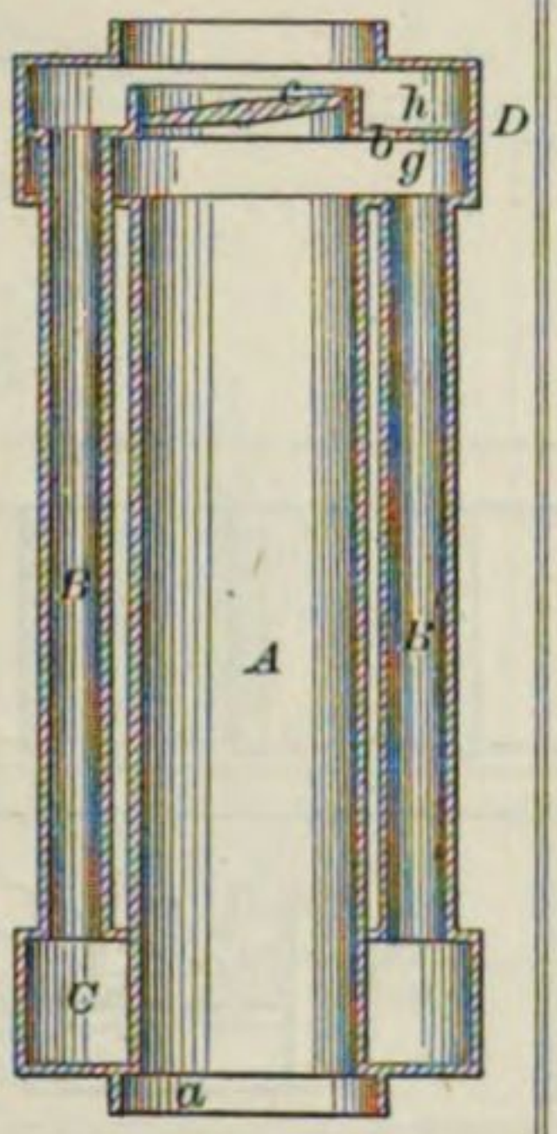


53804—Fryatt & Edmonds—*Sawing Machine.*

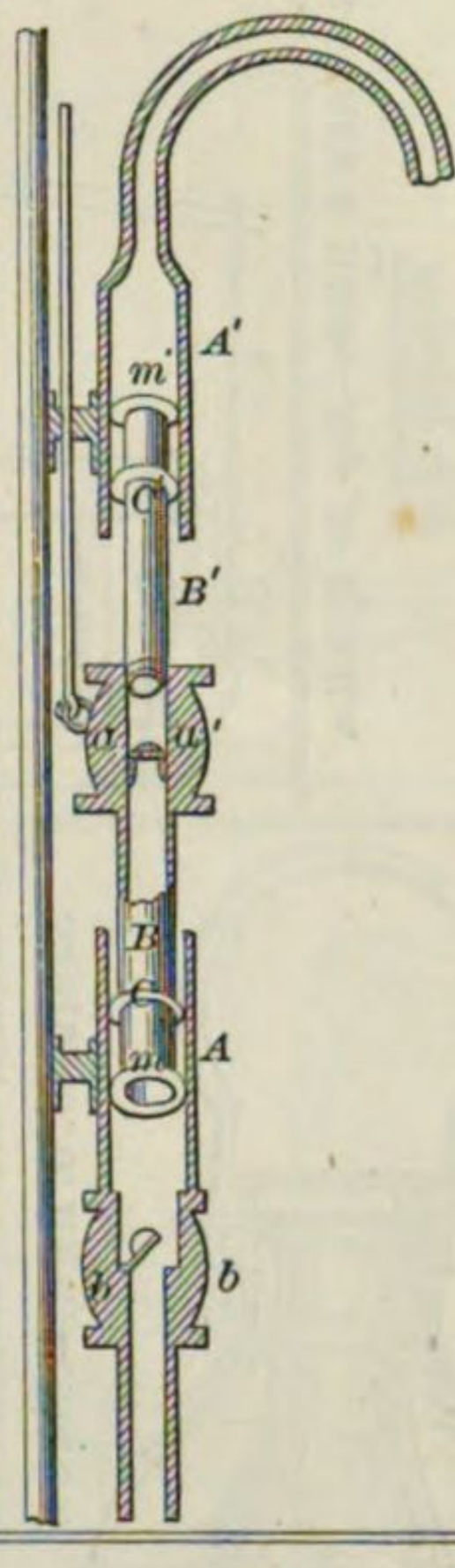
53805—W. M. Fuller—*Amalgamator.*



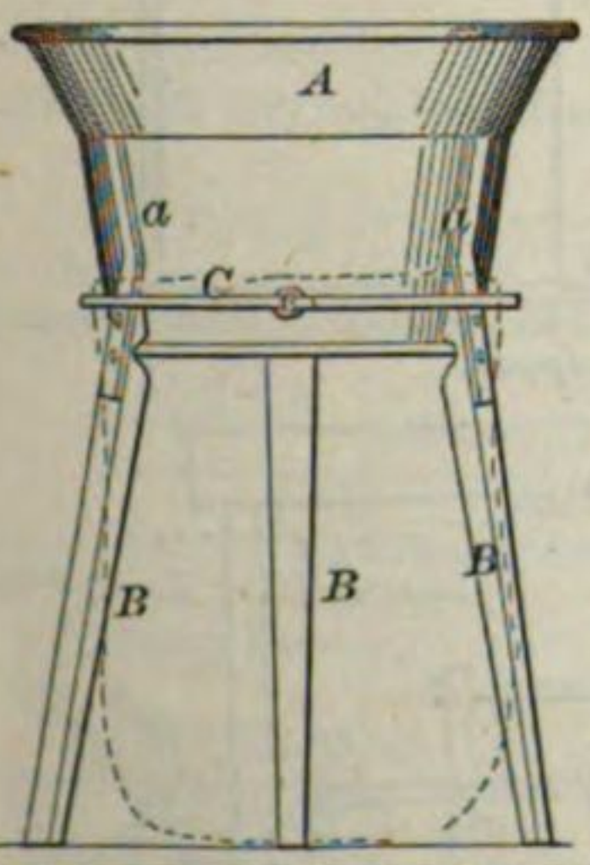
53806—M. Gage—*Stove Pipe Drum.*



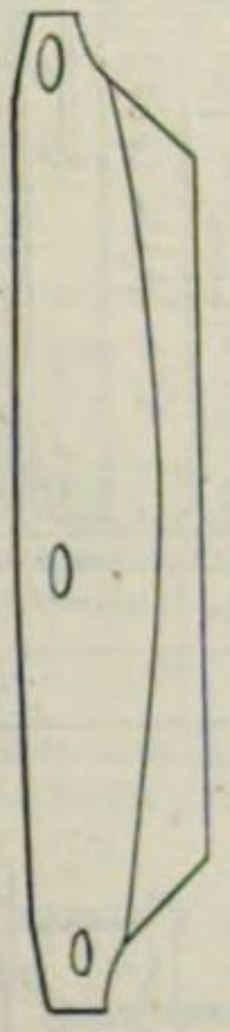
53810—J. Goodyear—*Pump.*



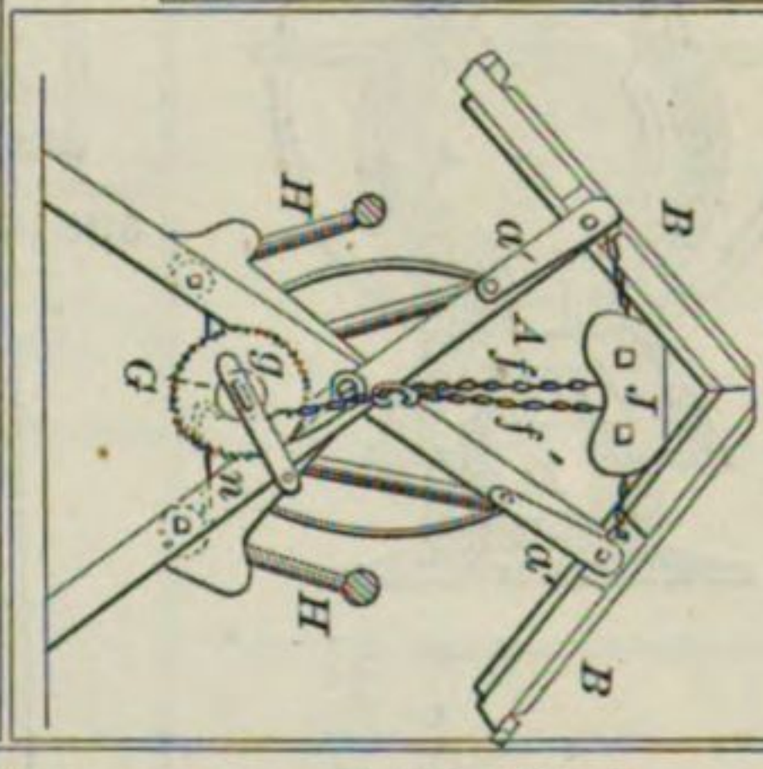
53809—C. F. Gillett—*Bag Holder.*



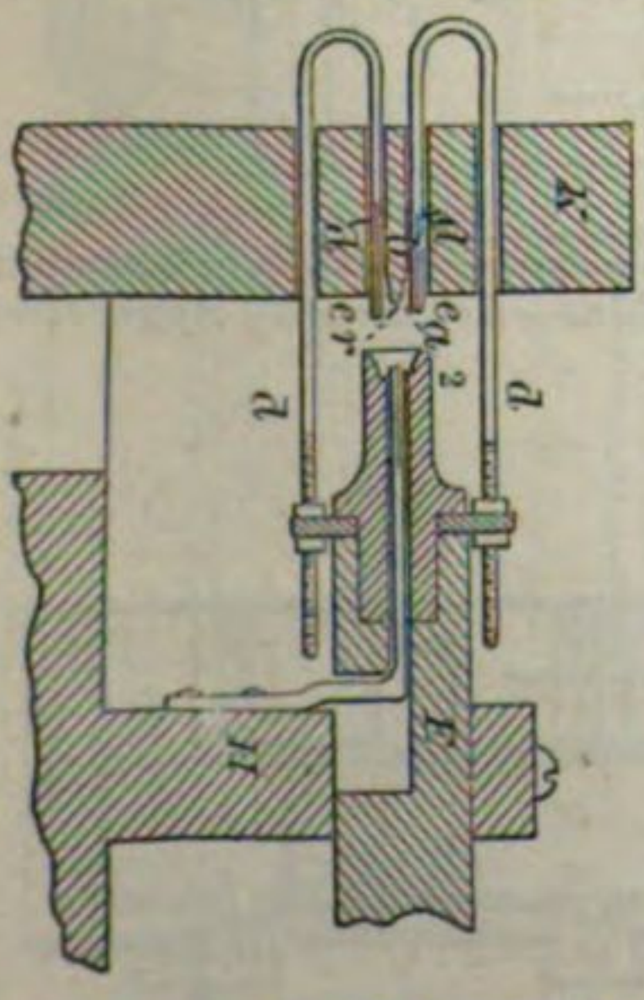
53808—H. C. Gibson—*Water Proof Collar.*



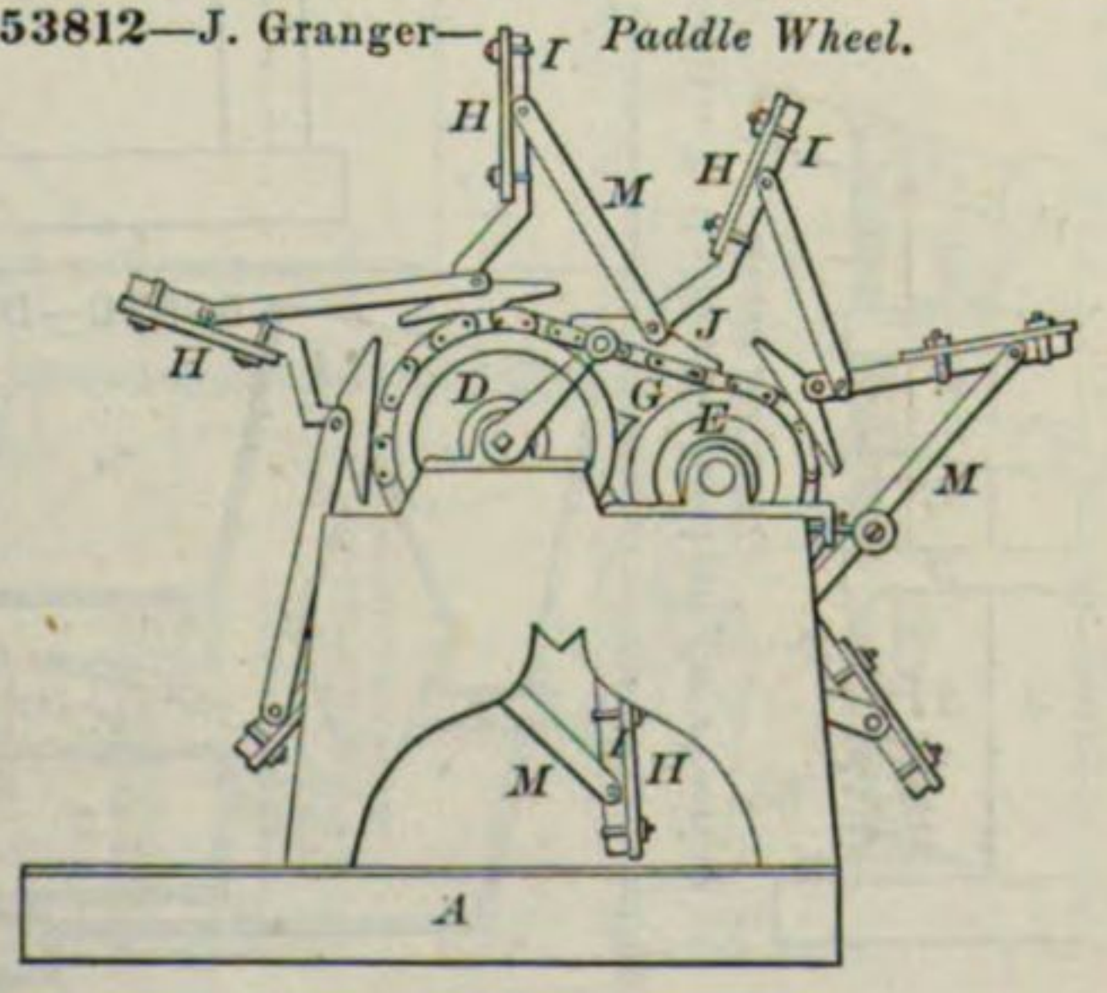
53811—G. F. & T. M. Goudy—*Sheep Rack.*



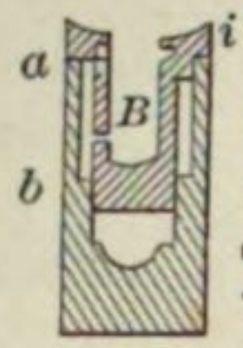
53807—F. Garrick—*Eyelet Machine.*



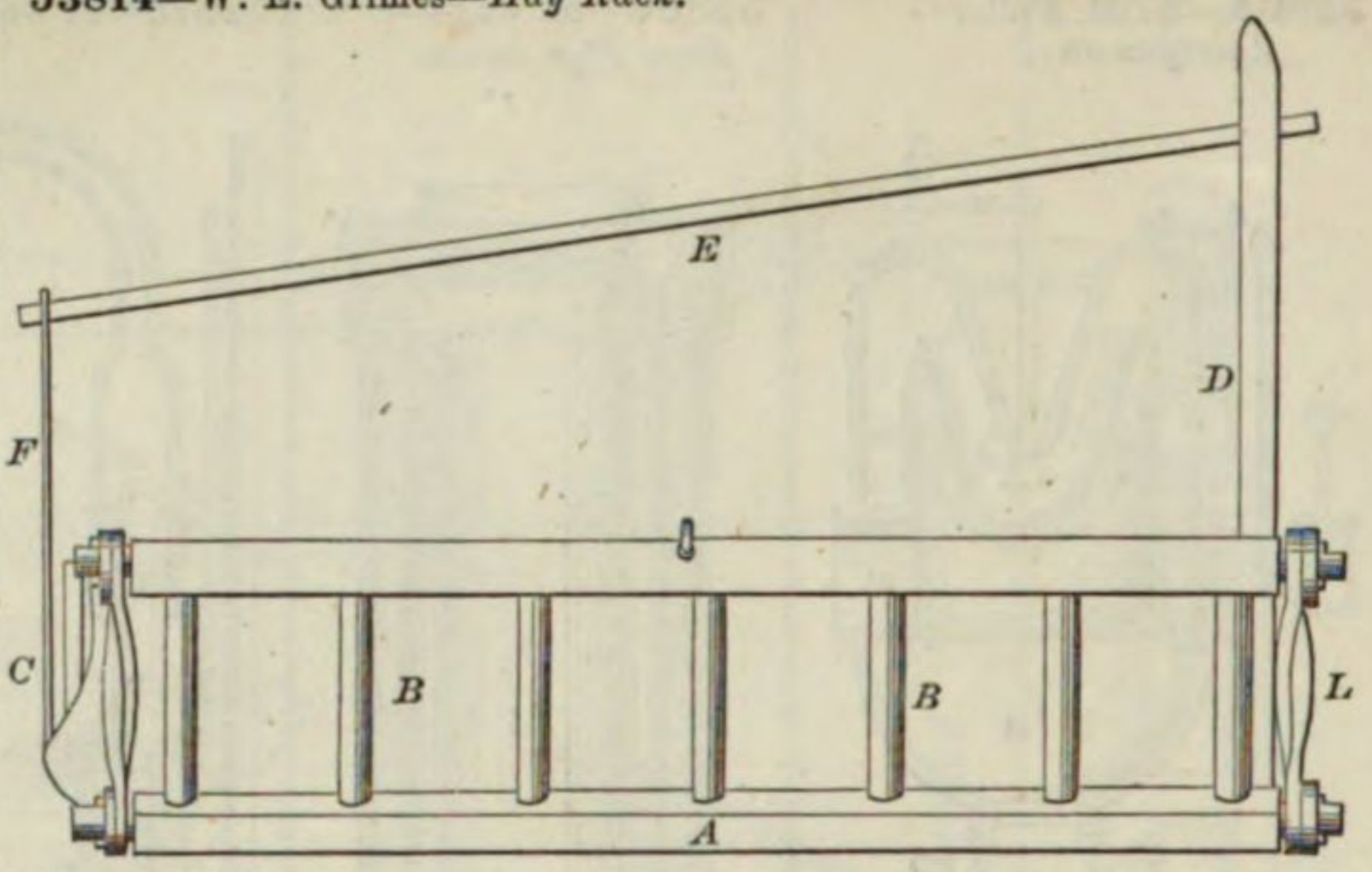
53812—J. Granger—*Paddle Wheel.*

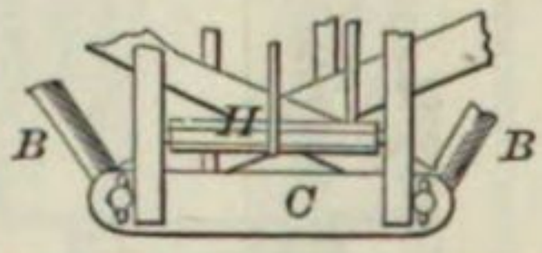


53813—Griffin & Marsh—*Step for Spindles.*

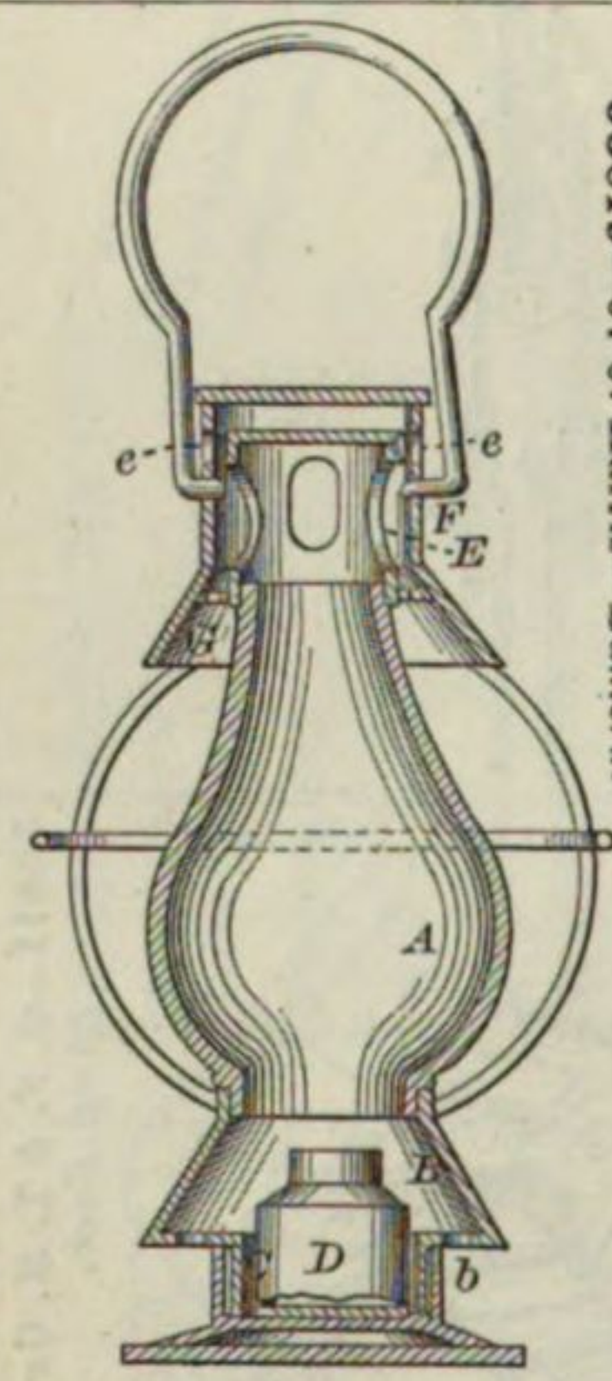


53814—W. E. Grimes—*Hay Rack.*

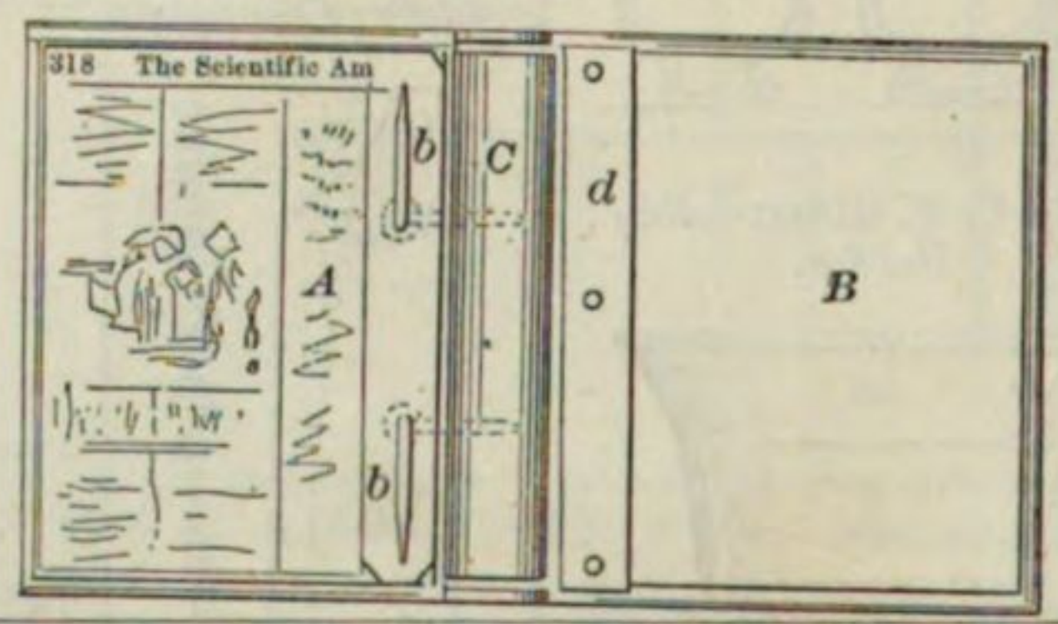




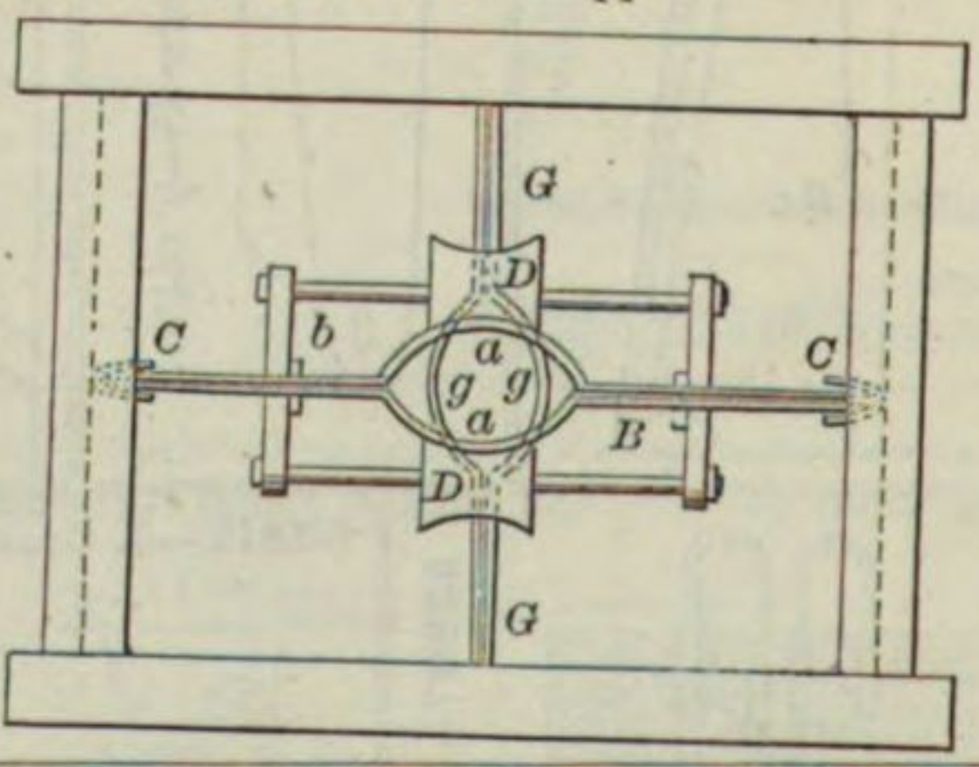
53819—J. O. Harris—*Lantern.*



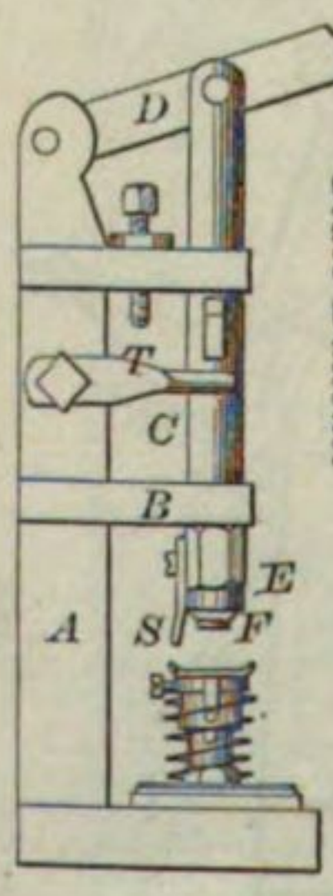
53817—J. C. Hadden—*Letter File.*



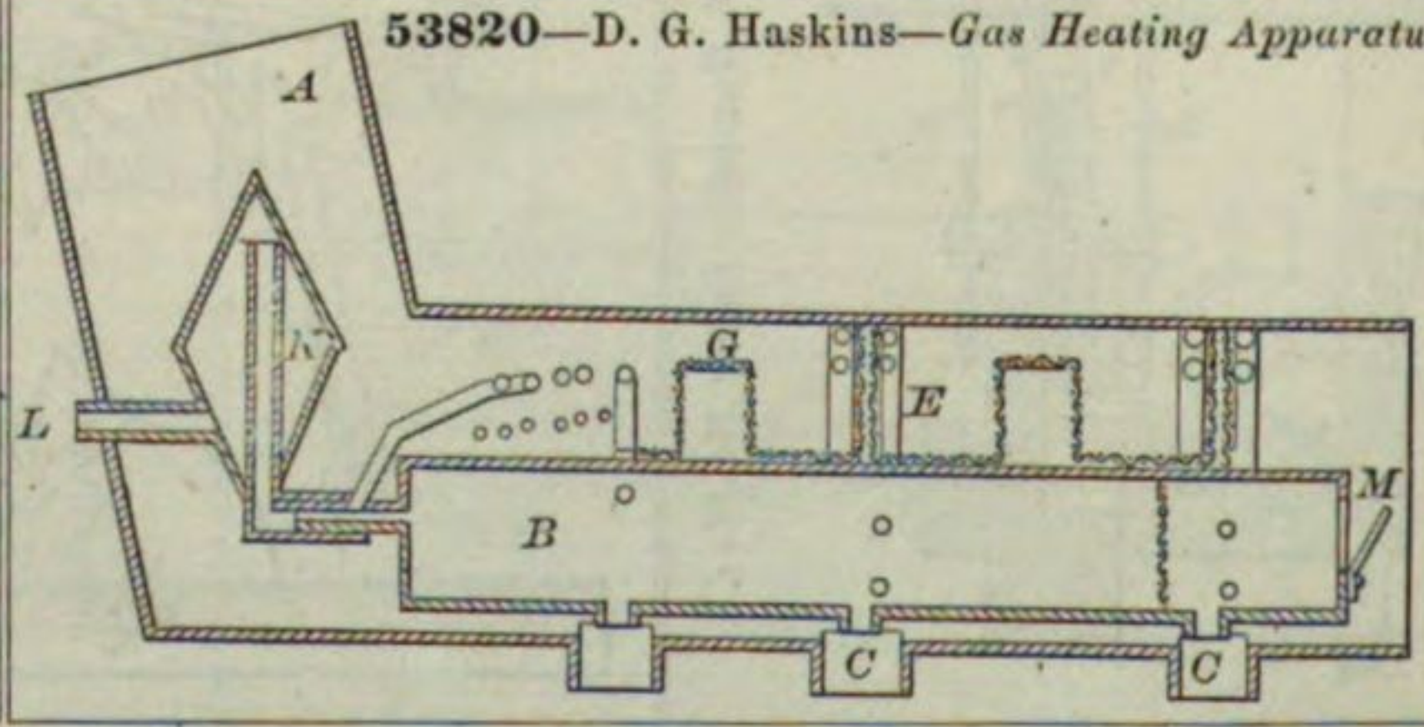
53818—J. A. Hull—*Cane Stripper.*



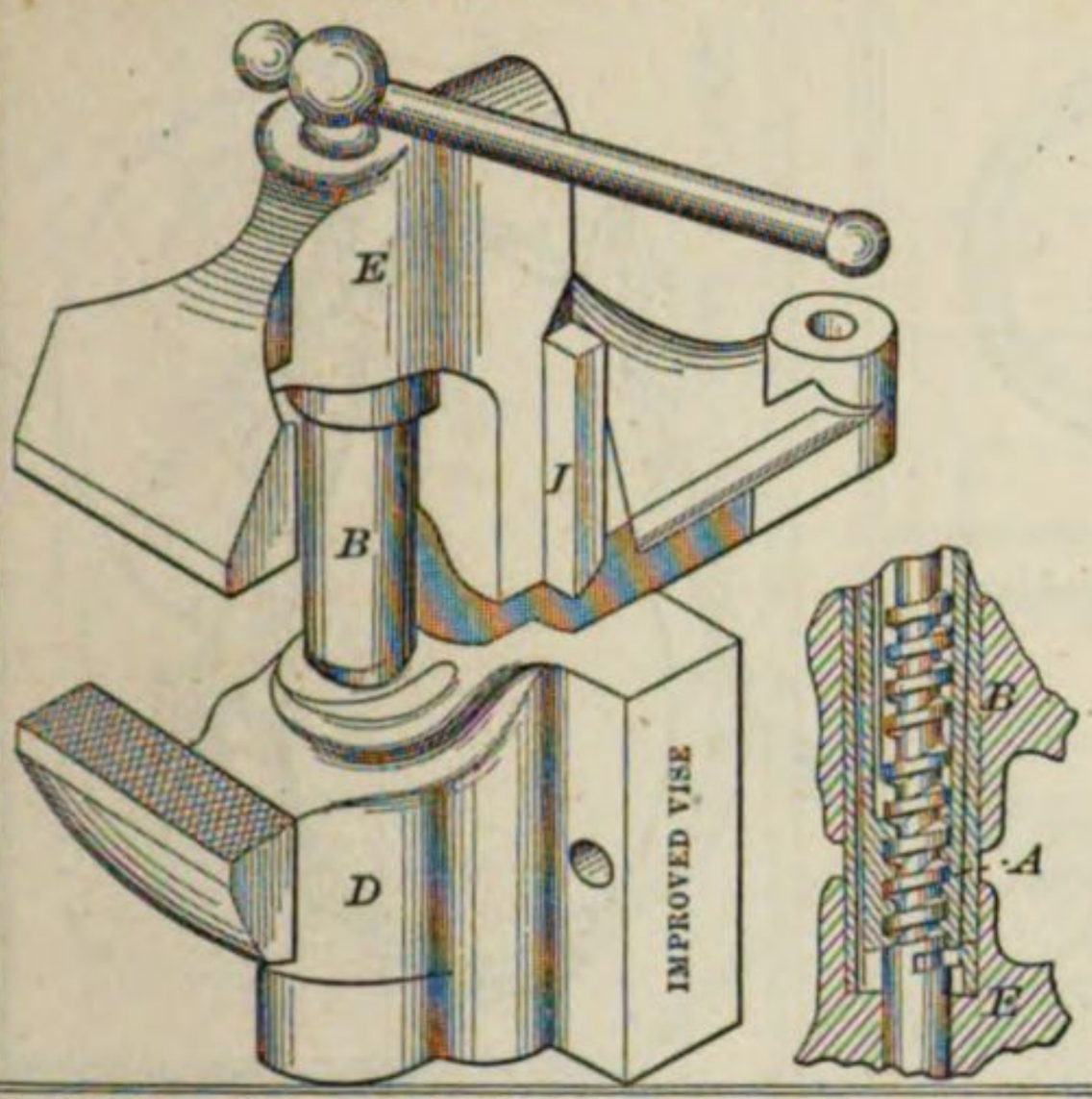
53816—T. Guilford—*Machine for Pressing Glass Buttons.*



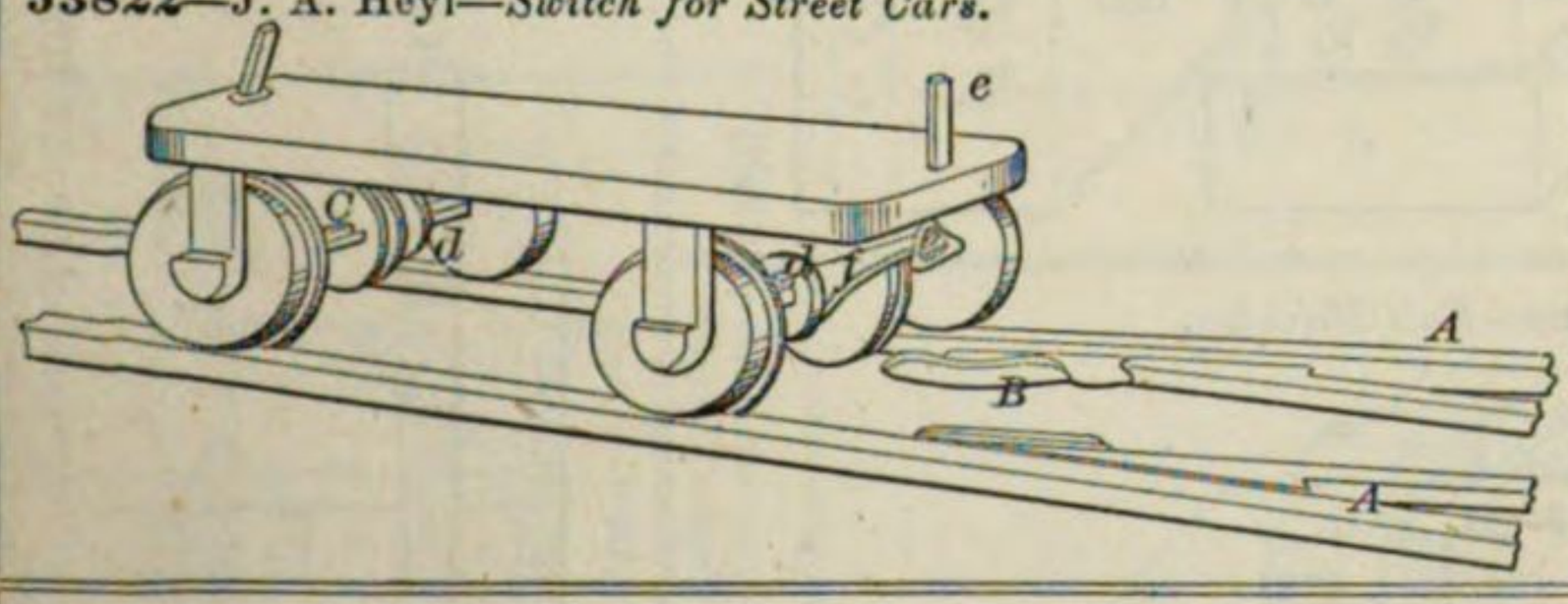
53820—D. G. Haskins—*Gas Heating Apparatus.*



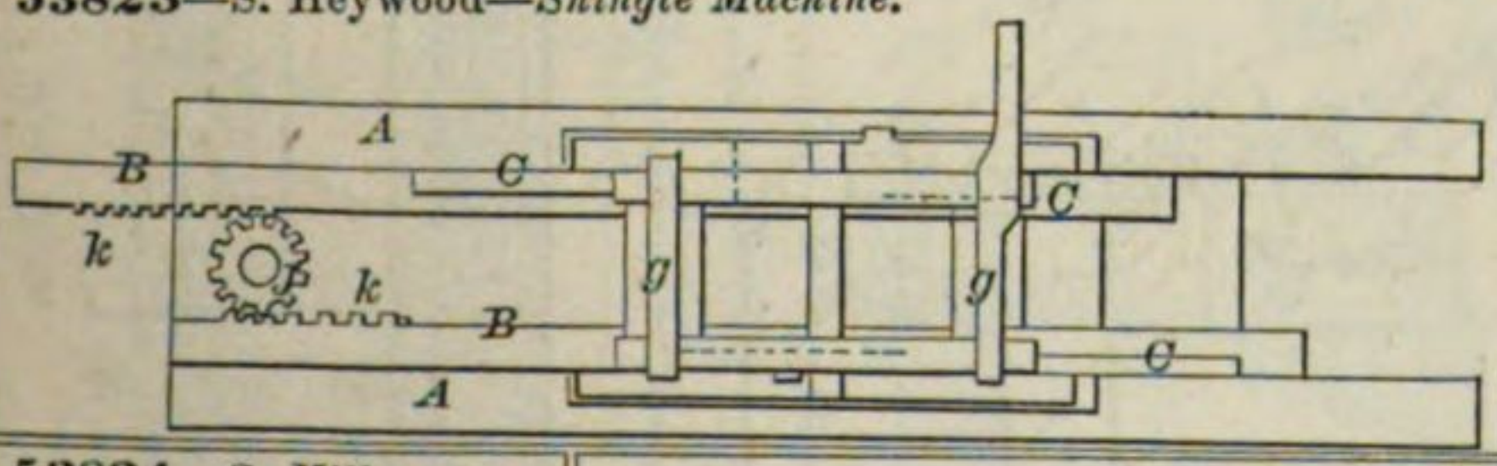
53821—S. S. Hepworth—*Smith's Vise.*



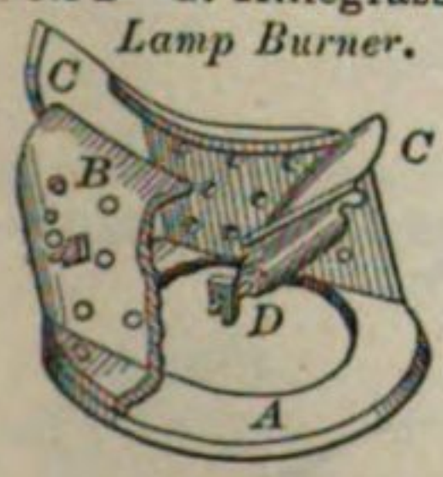
53822—J. A. Heyl—*Switch for Street Cars.*



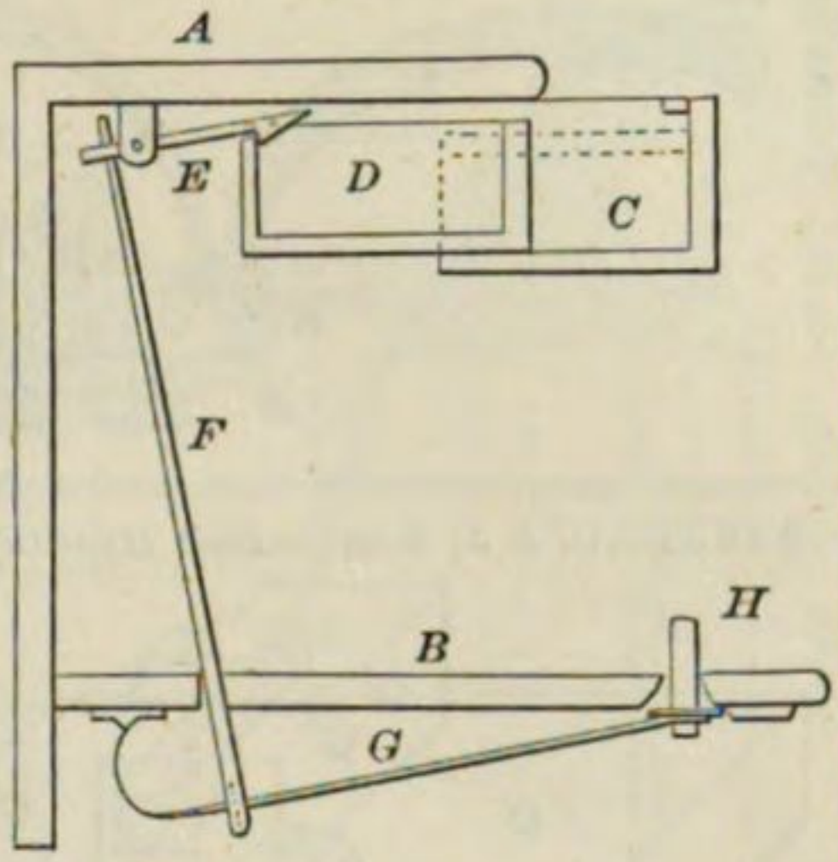
53823—S. Heywood—*Shingle Machine.*



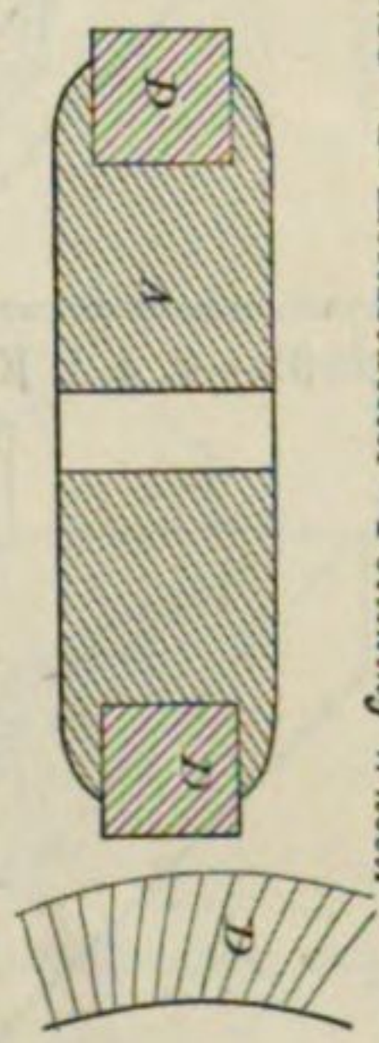
53824—G. Hillegrass—*Lamp Burner.*



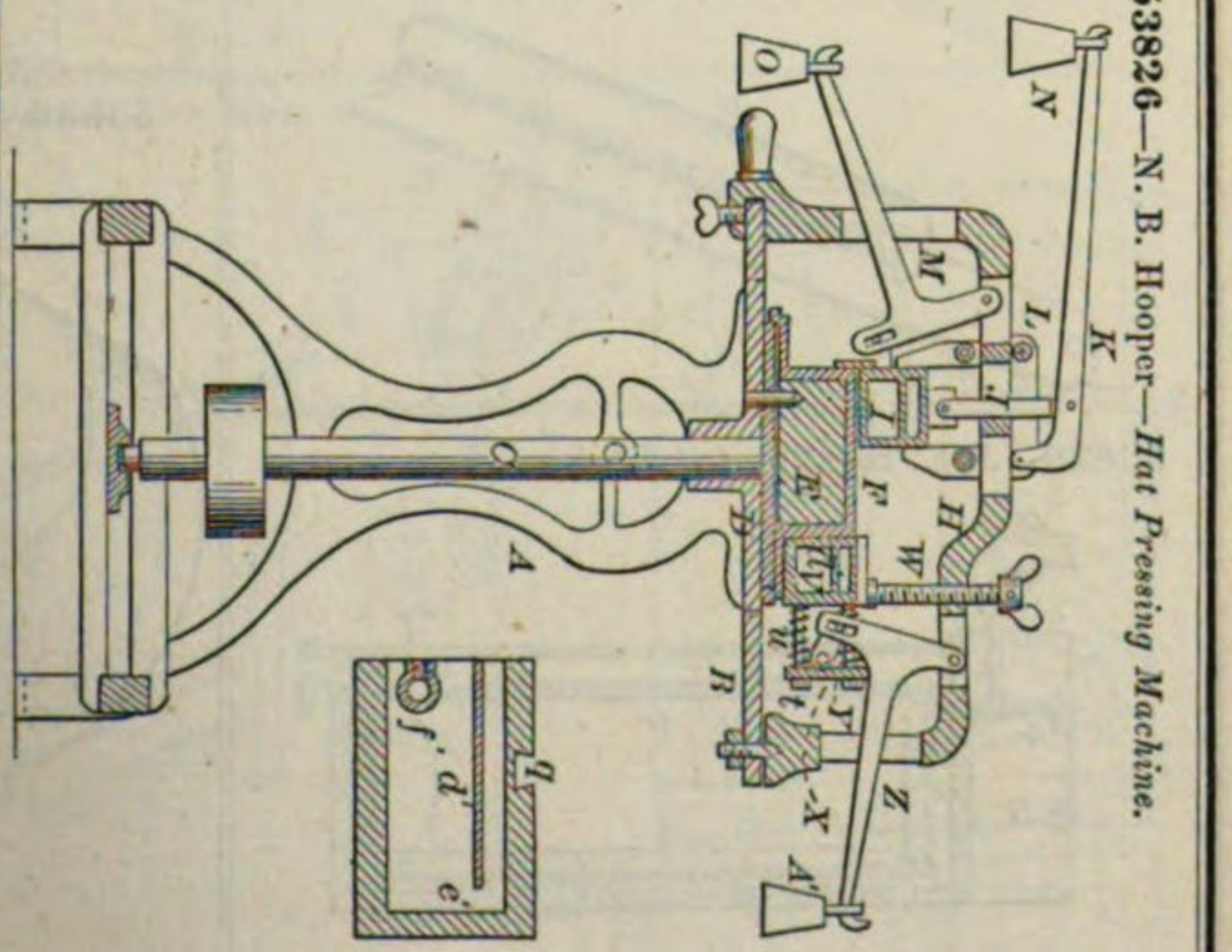
53827—S. Hubbell, Jr.—*Catch for Money Drawers.*



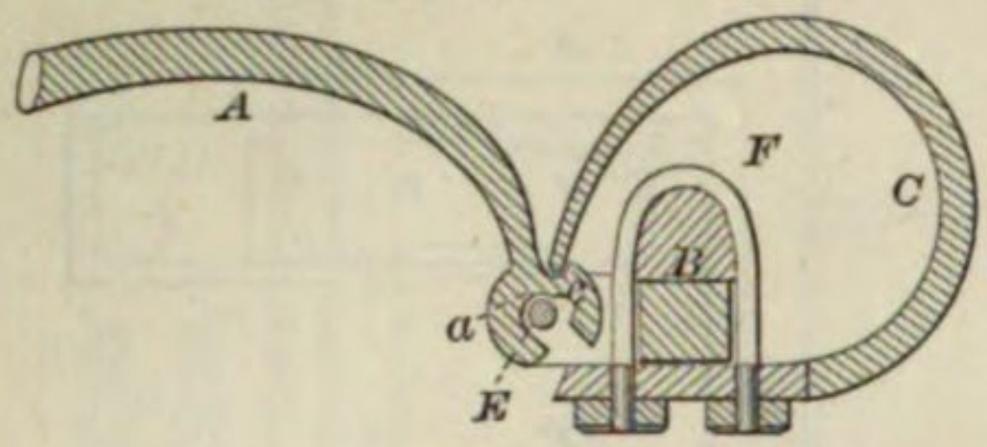
53825—L. Holtzscheiter—*Polishing Wheel.*



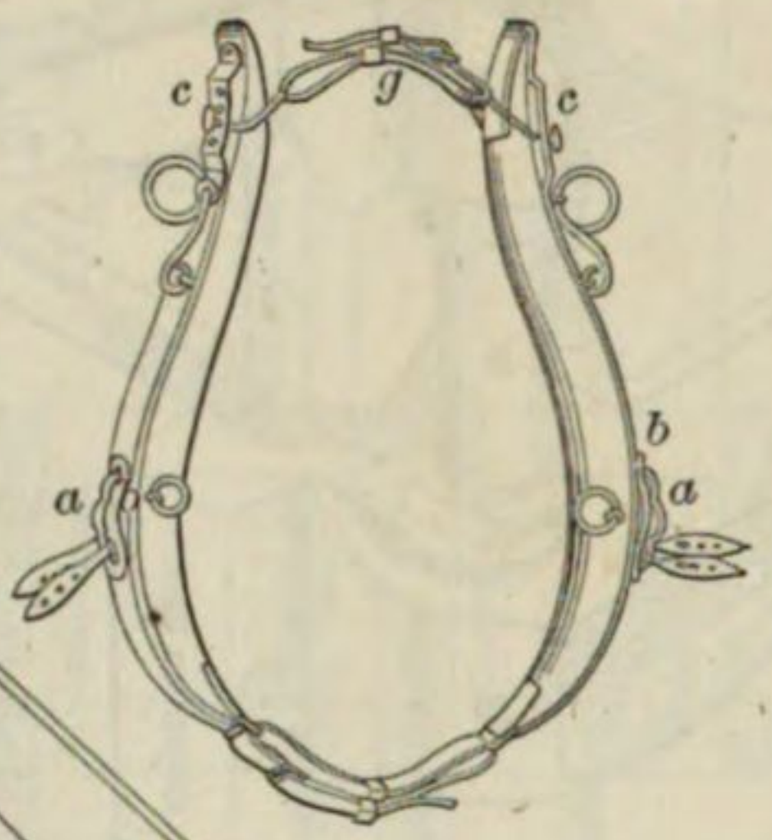
53826—N. B. Hooper—*Hat Pressing Machine.*



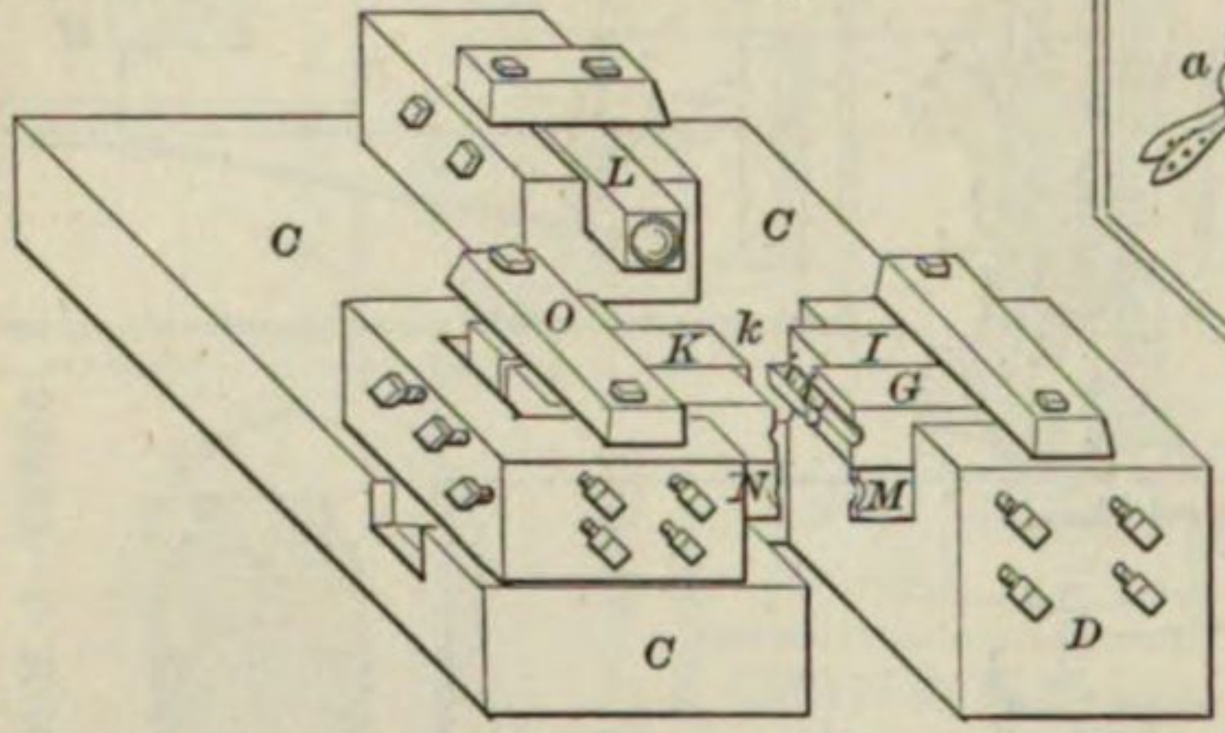
53828—W. R. S. Hunter—*Attaching Thills to Carriages.*



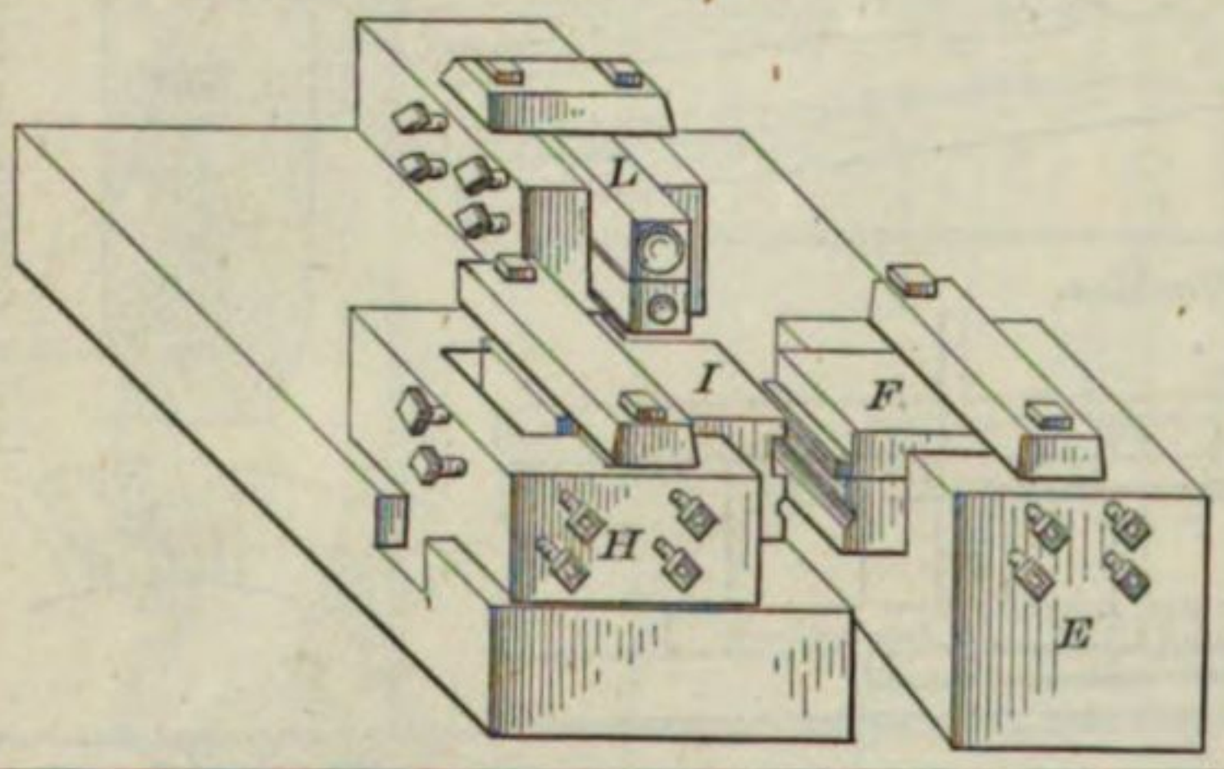
53830—F. X. Kaffer—*Hame.*



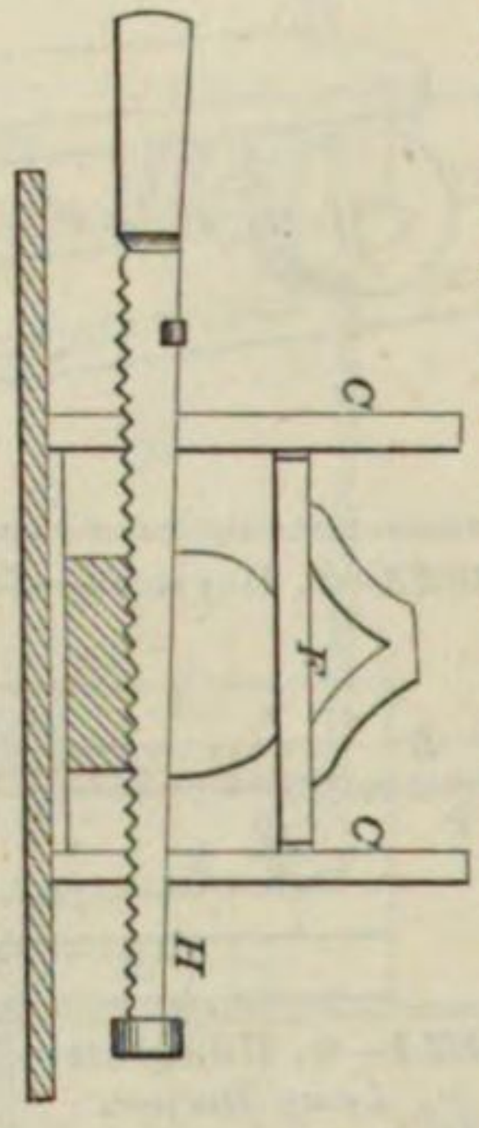
53831—C. & J. Kane—*Bolt Heading Machine.*



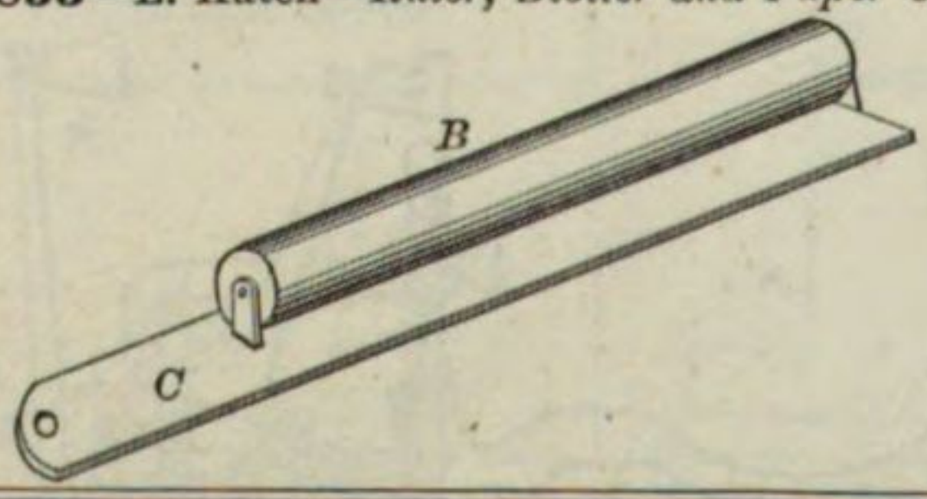
53832—C. & J. Kane—*Bolt Machine.*



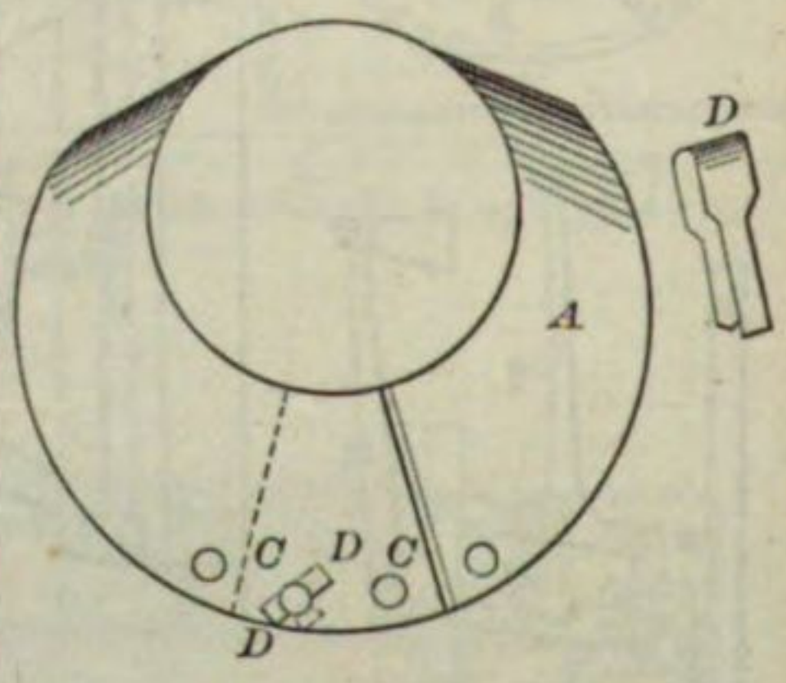
53835—S. Kepner—*Bread and Meat Cutter.*



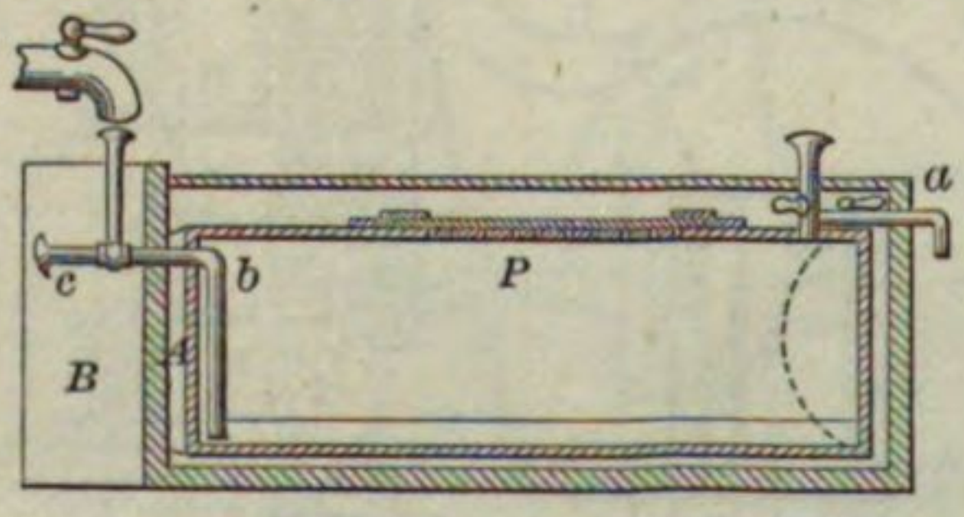
53833—L. Katen—*Ruler, Blotter and Paper Cutter.*



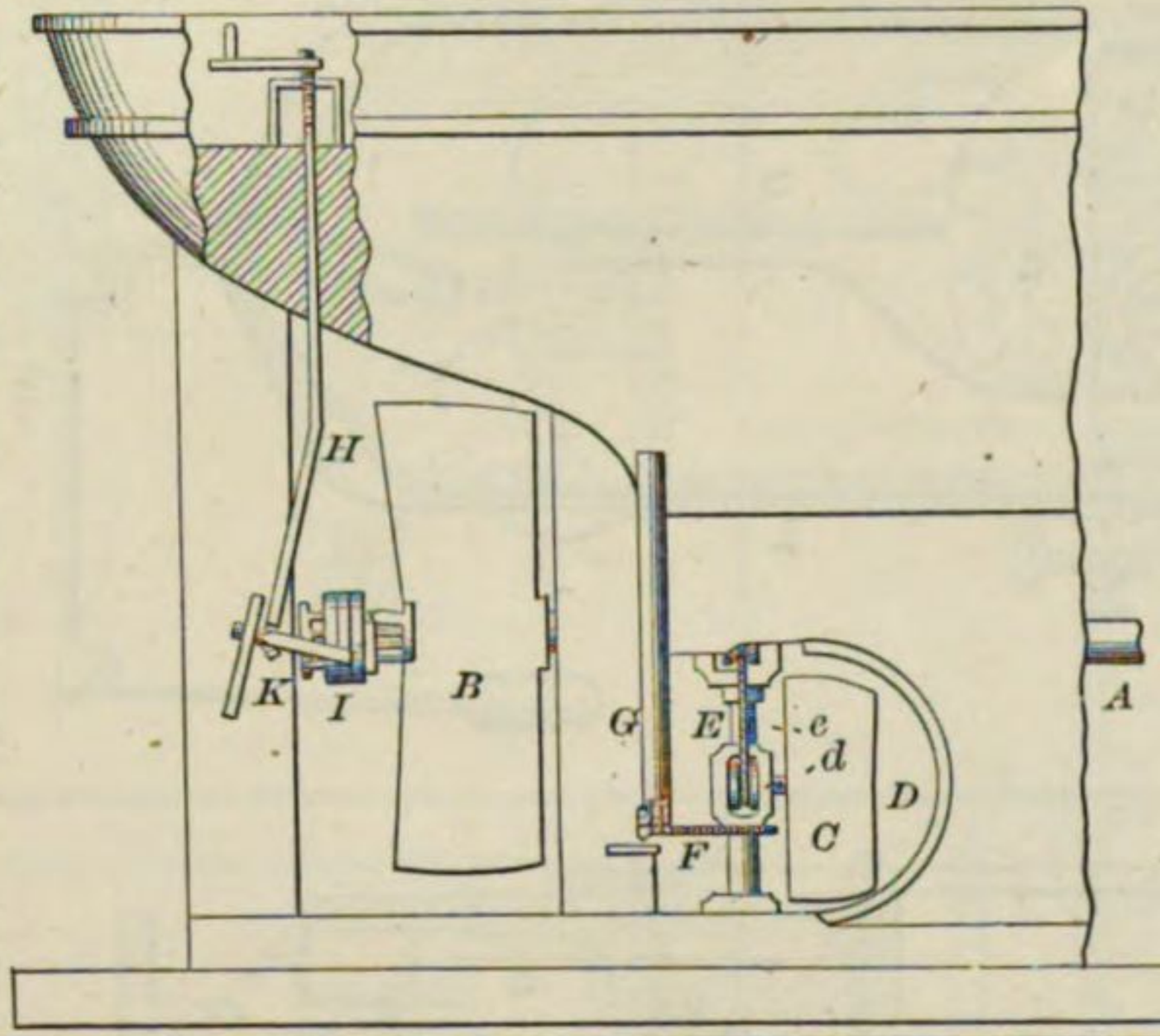
53836—D. Knowlton—*Tree Protector.*



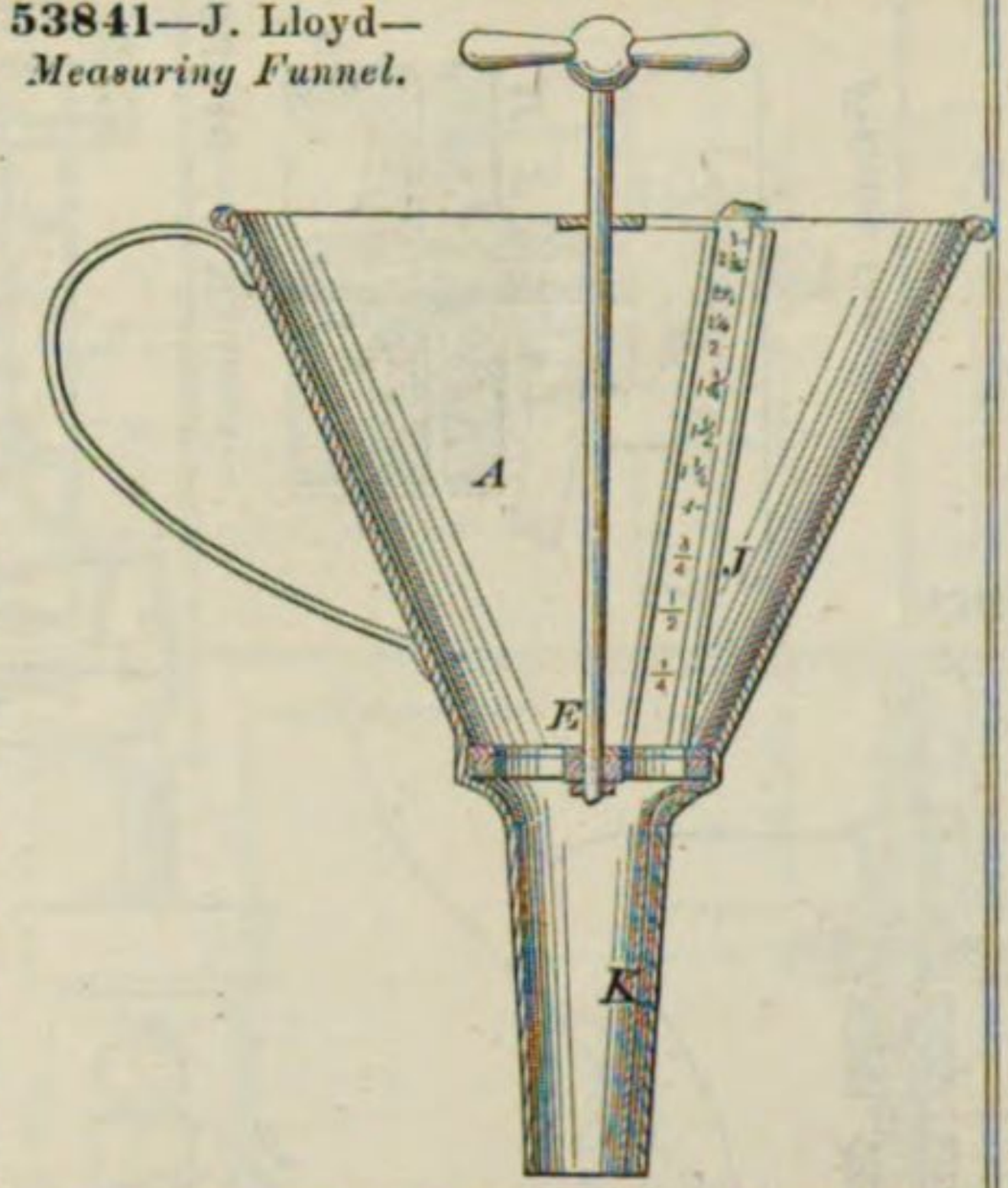
53829—J. K. Ingalls—*Oil Tank.*

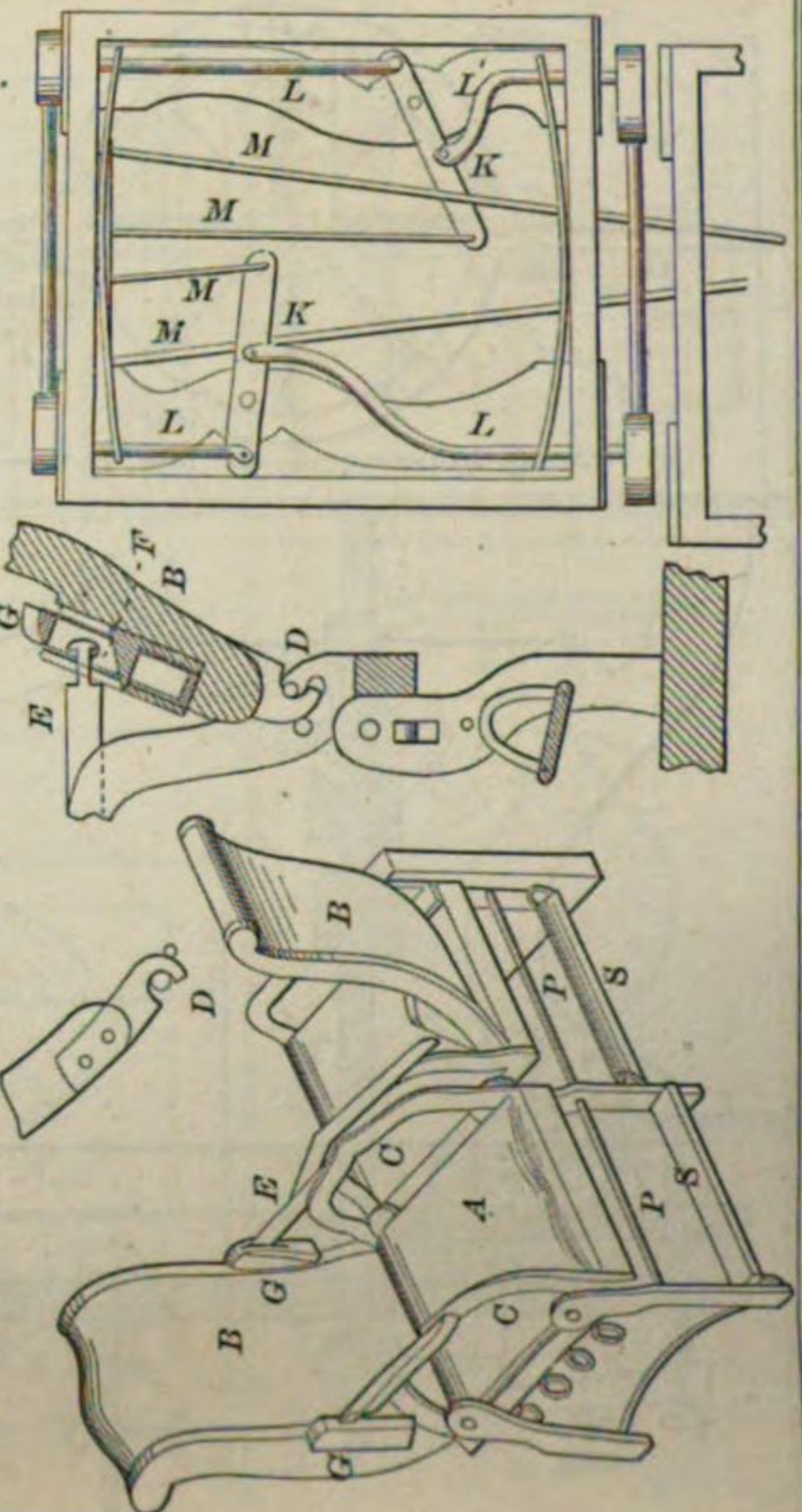


53840—F. Liburn—*Steering Screw.*



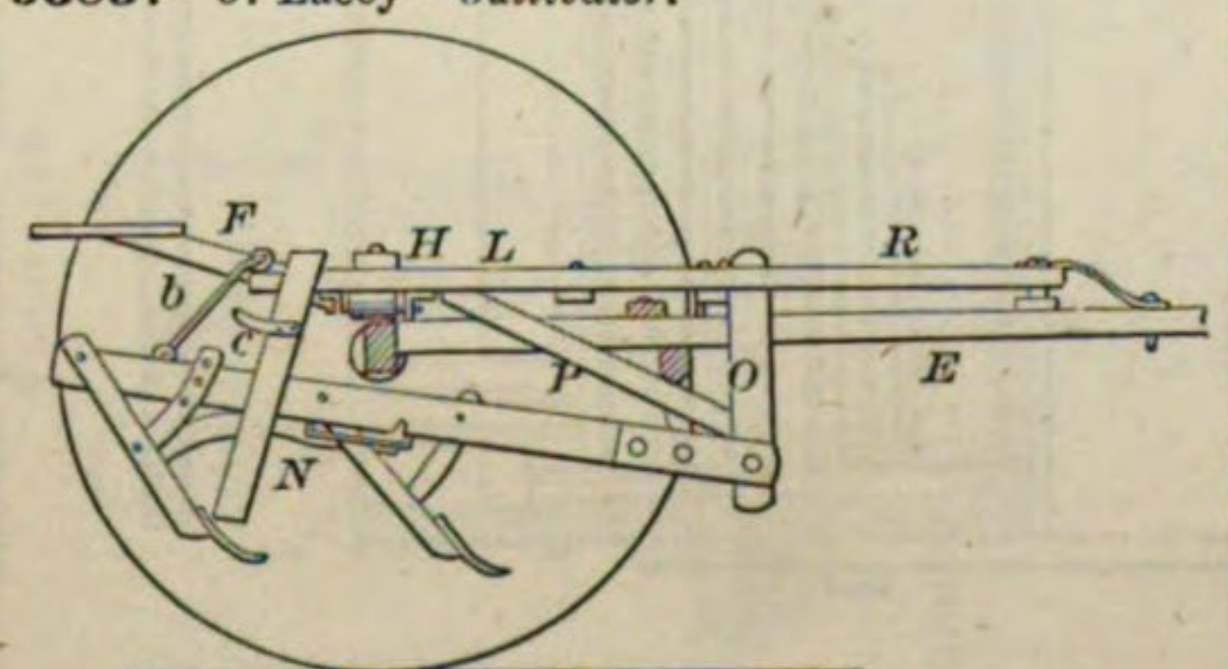
53841—J. Lloyd—*Measuring Funnel.*



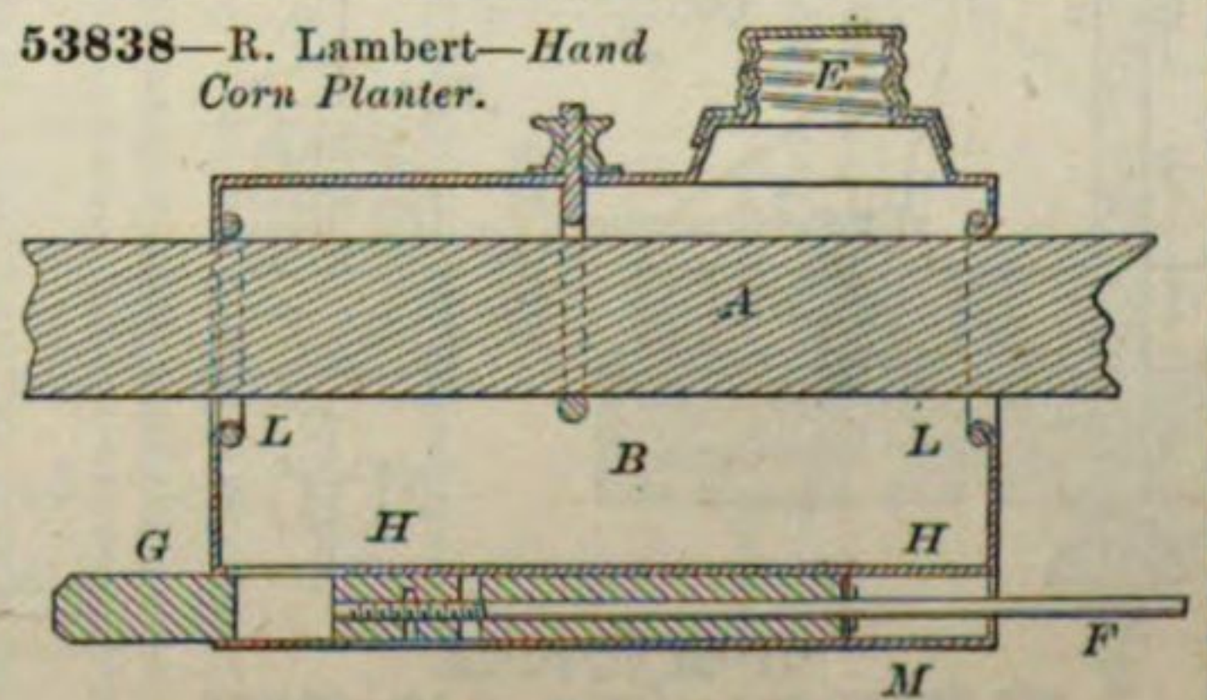


53842—Lockwood & Pitman—*Car Seat.*

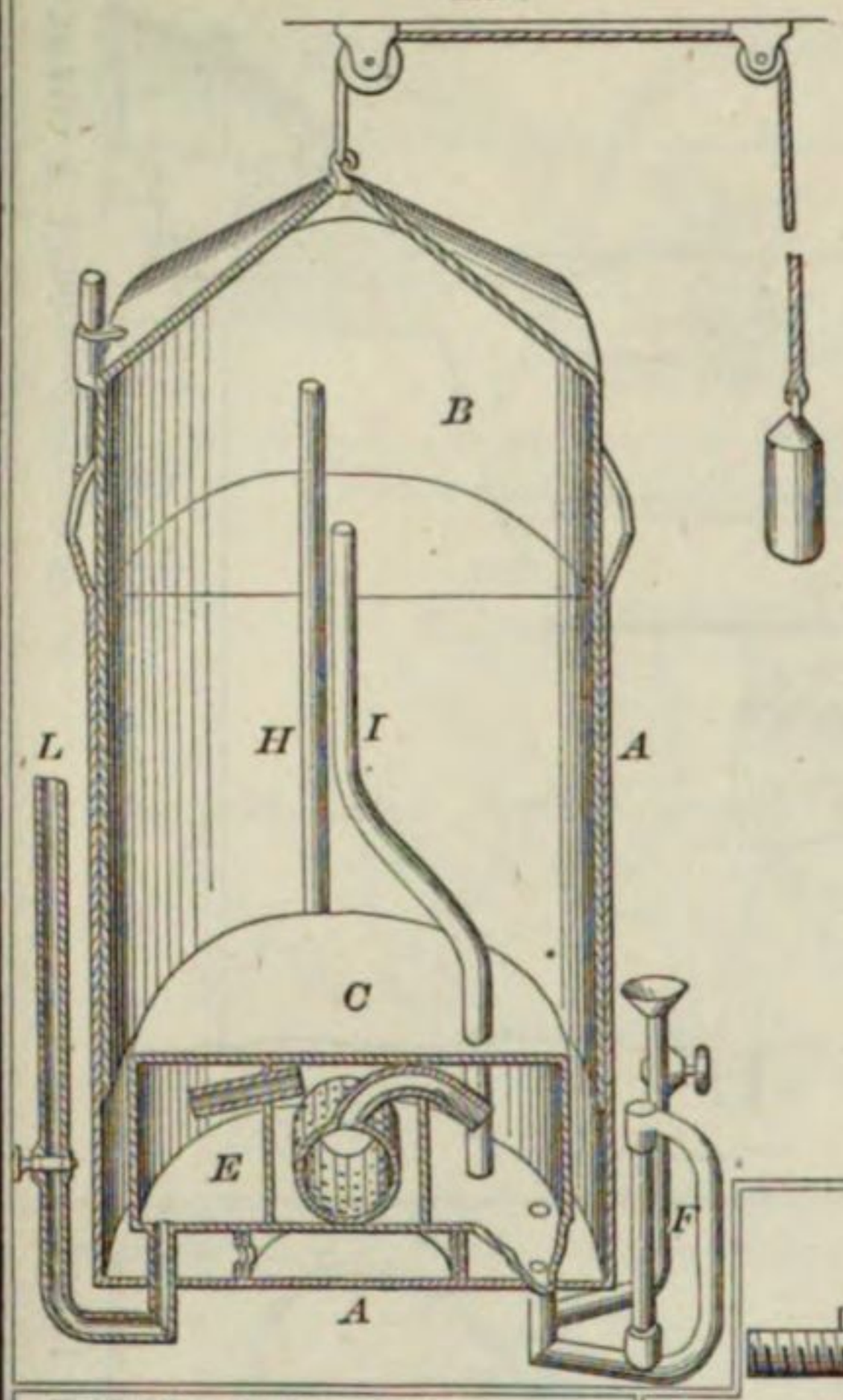
53837—J. Lacey—*Cultivator.*



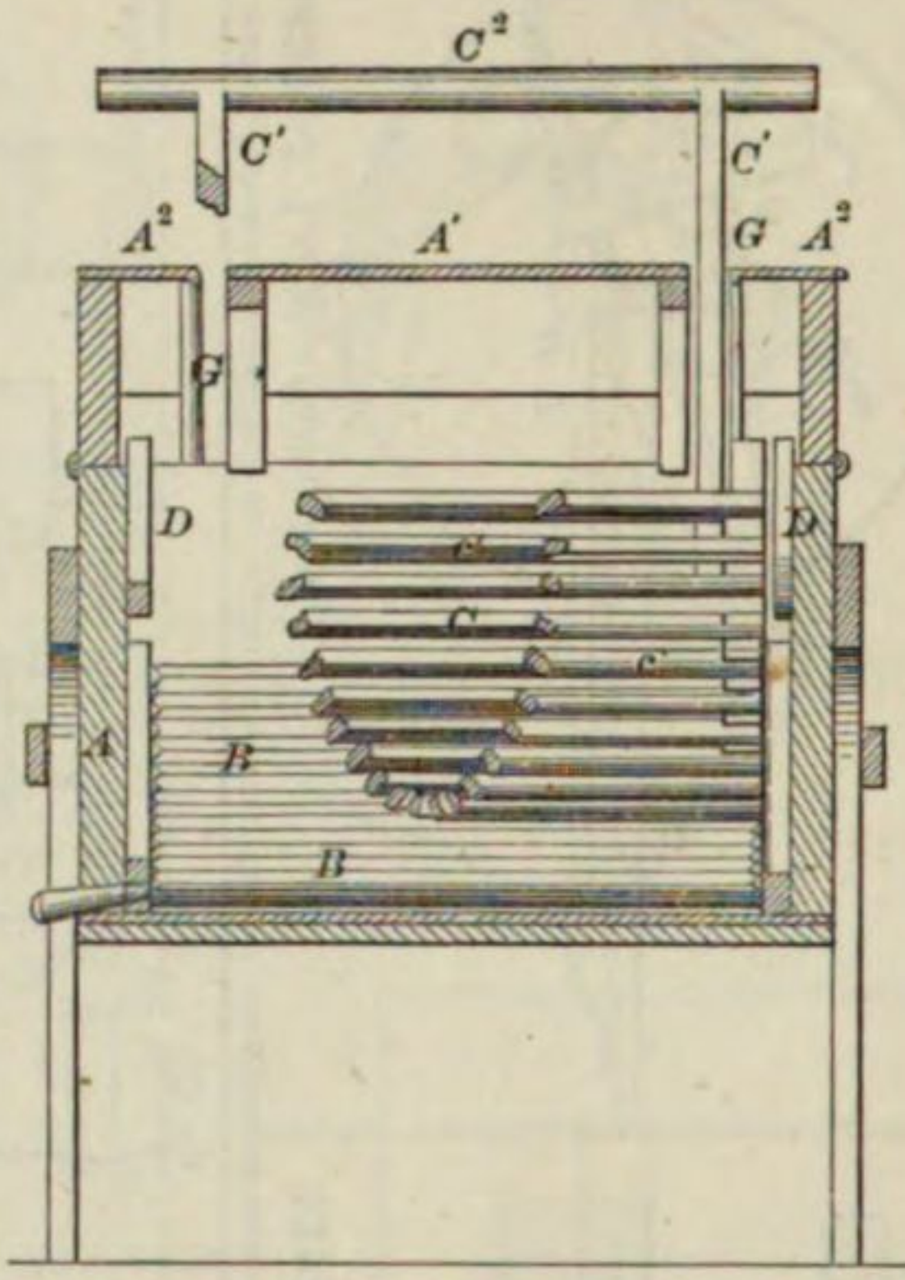
53838—R. Lambert—*Hand Corn Planter.*



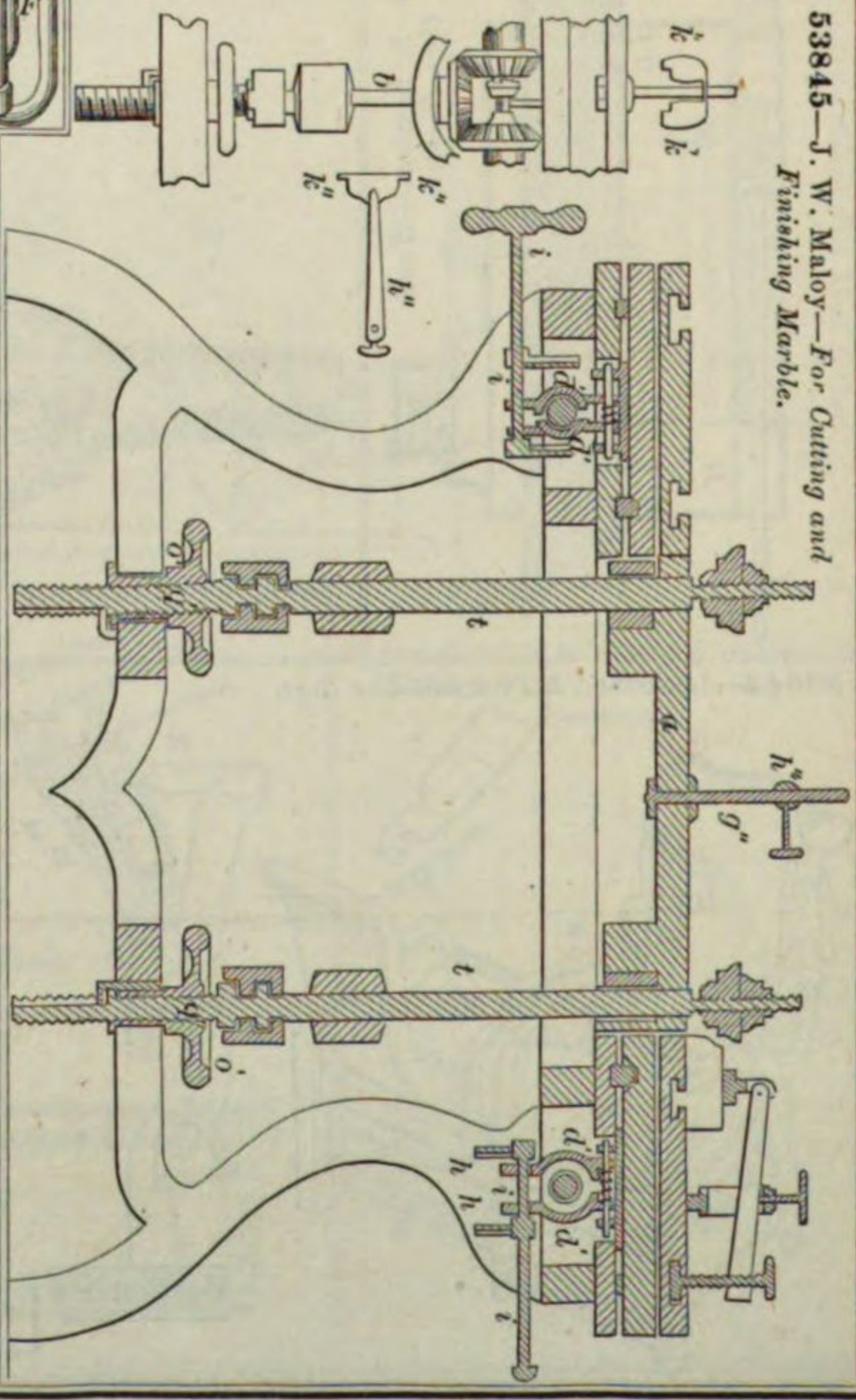
53843—C. B. Loveless—*For Carburetting Air.*



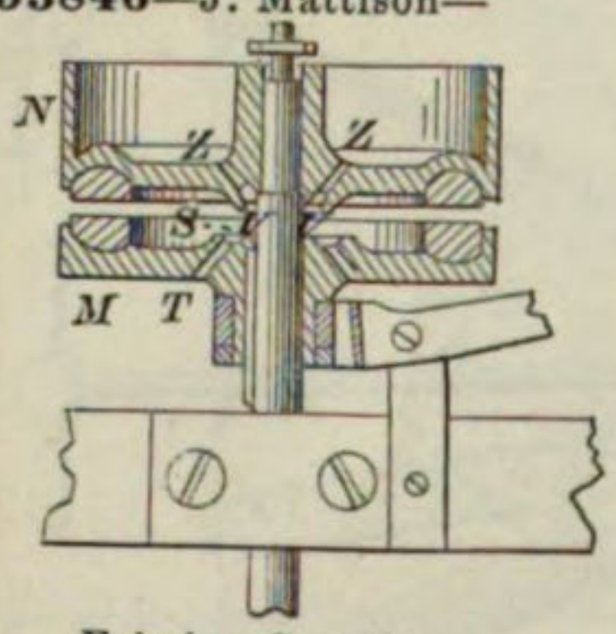
53844—P. Lutes—*Washing Machine.*



53845—J. W. Maloy—*For Cutting and Finishing Marble.*

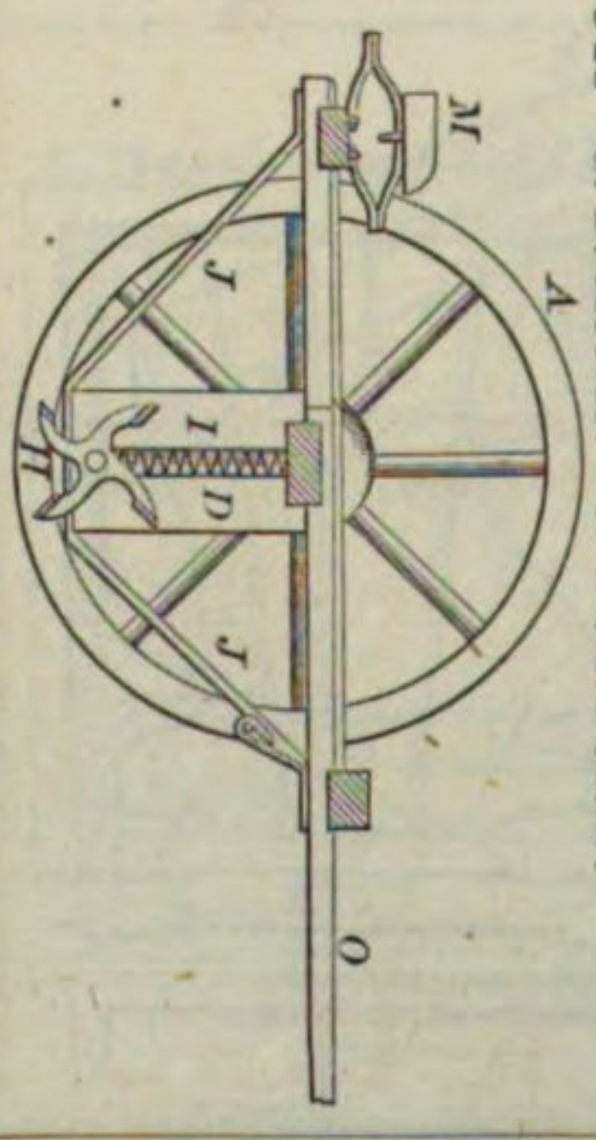


53846—J. Mattison—

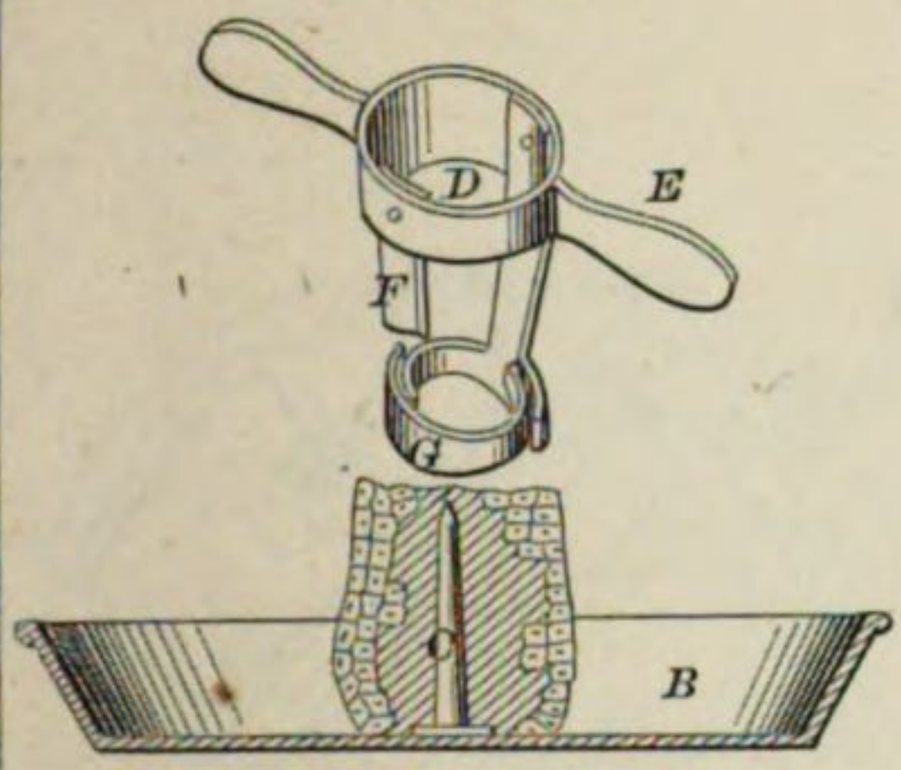


Friction Coupling.

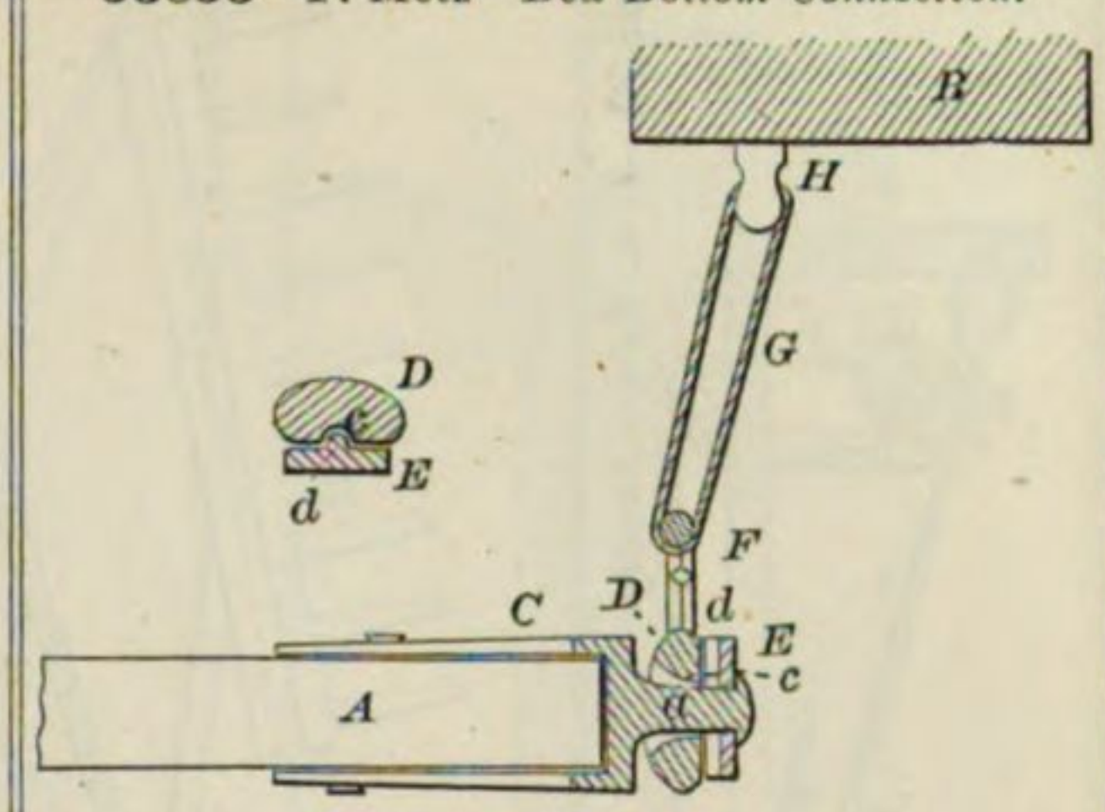
53848—G. D. McClure—*Corn Stalk Cutter.*



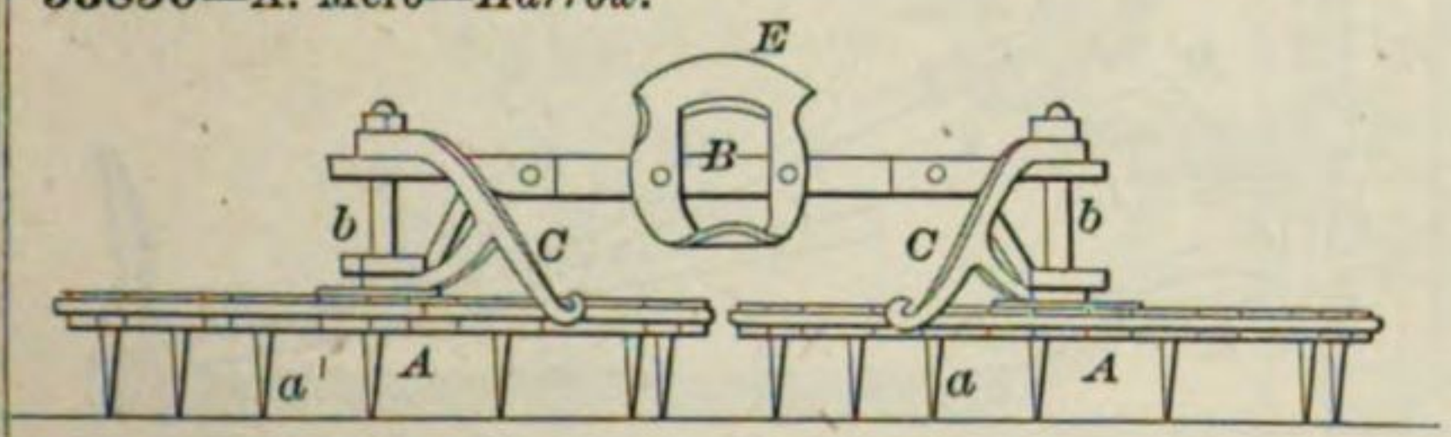
53849—W. C. McGill—*Stripping Corn from the Cob.*



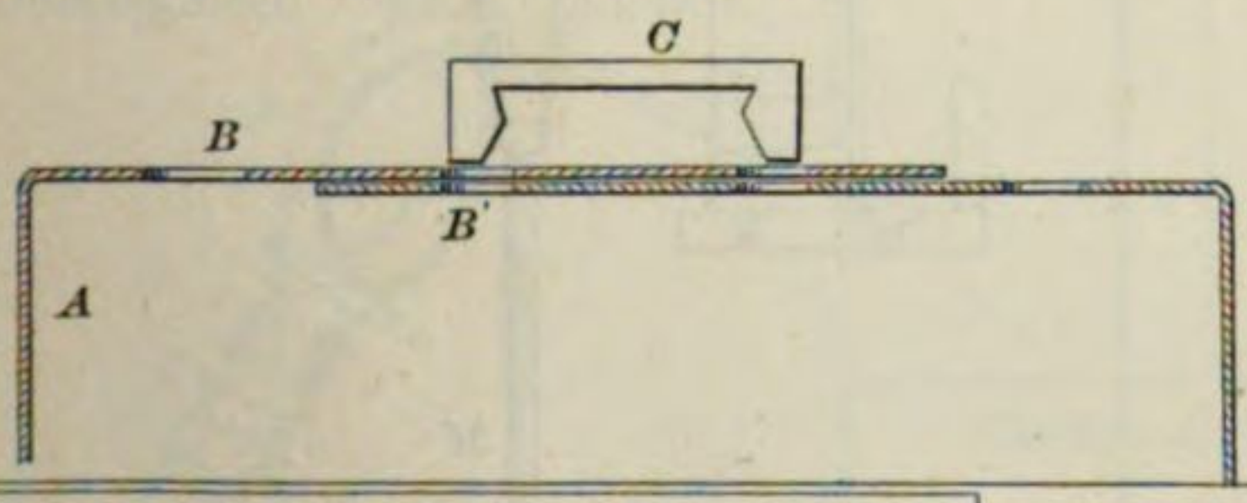
53853—F. Metz—*Bed Bottom Connection.*



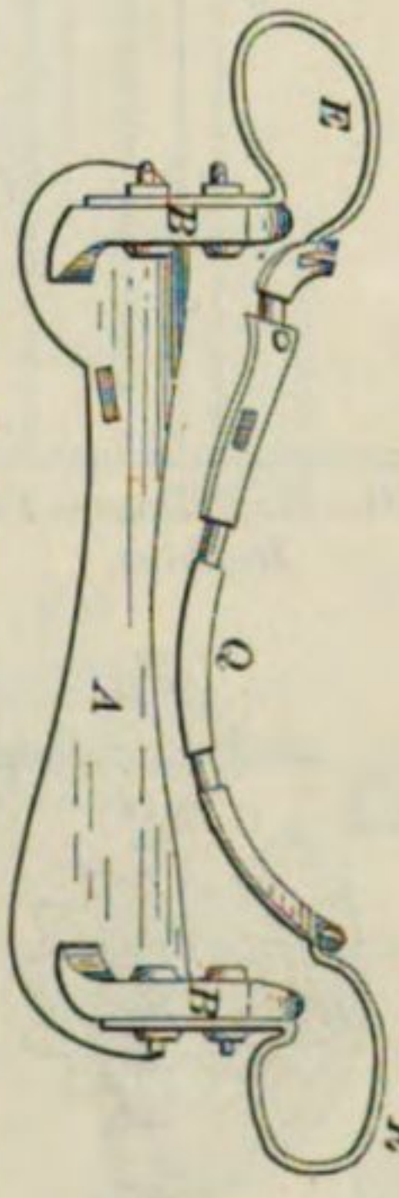
53850—A. Mero—*Harrow.*



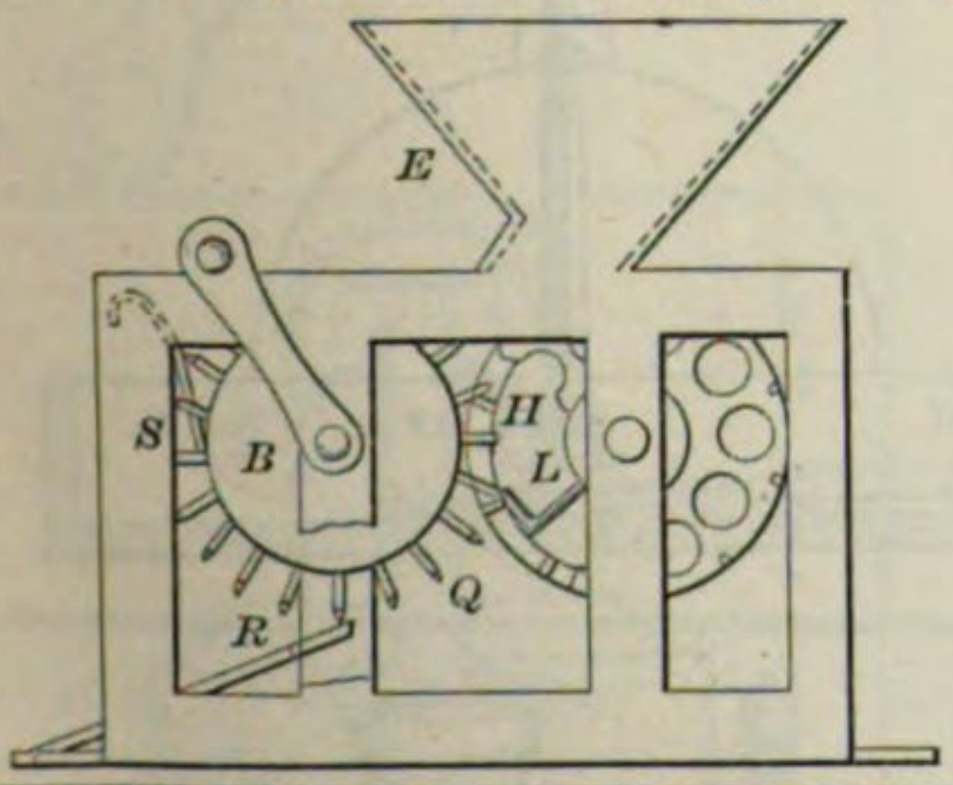
53851—I. H. Merritt—*Cotton Bale Tie.*



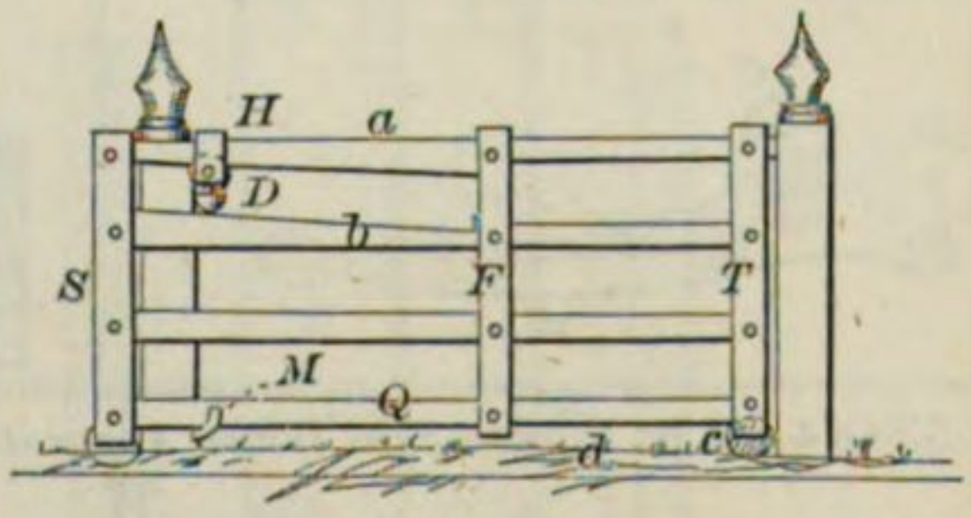
53854—J. C. Miller—*Spring Saddle.*



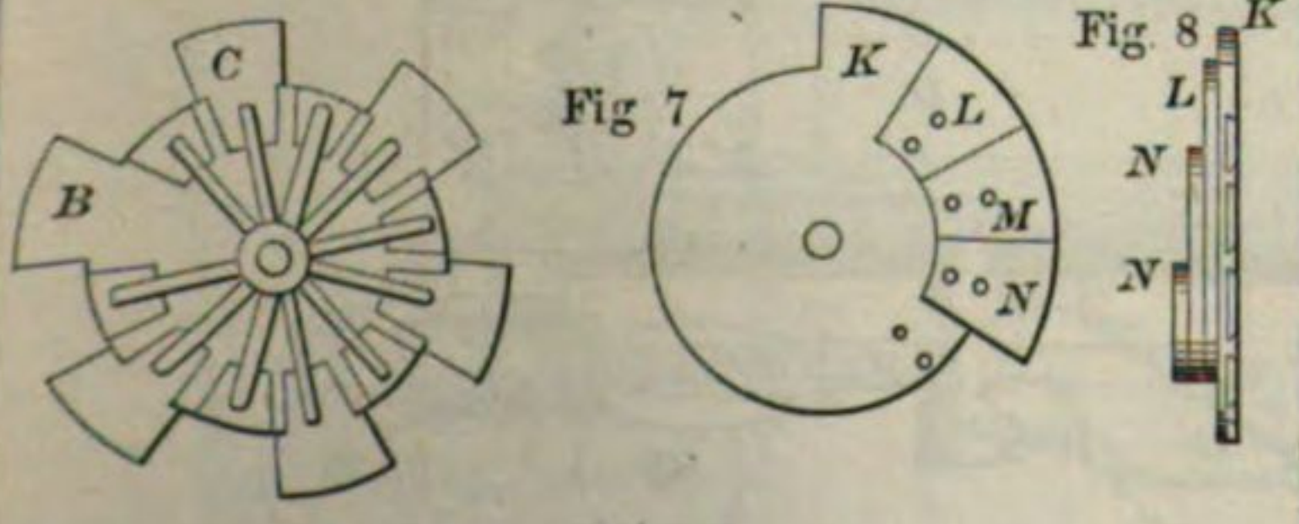
53855—S. C. Moore—*For Seeding Raisins.*



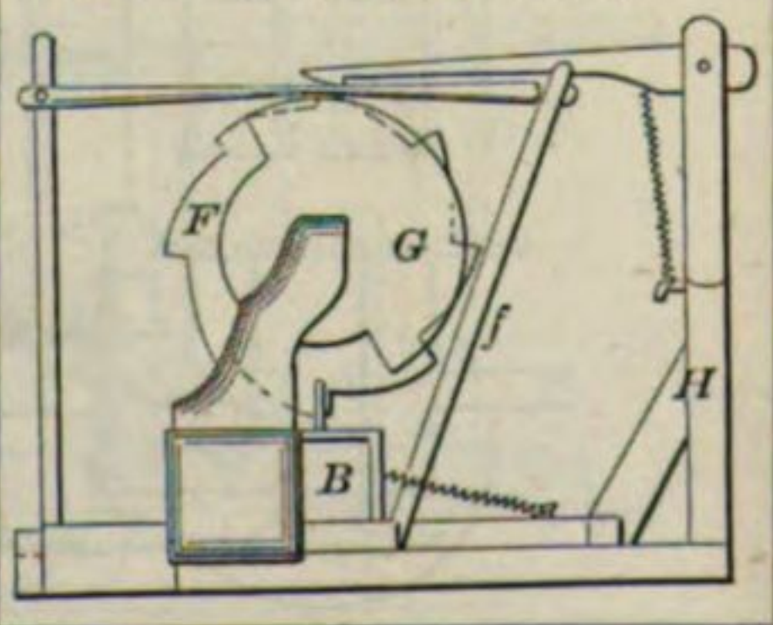
53856—J. C. Murphy—*Farm Gate.*



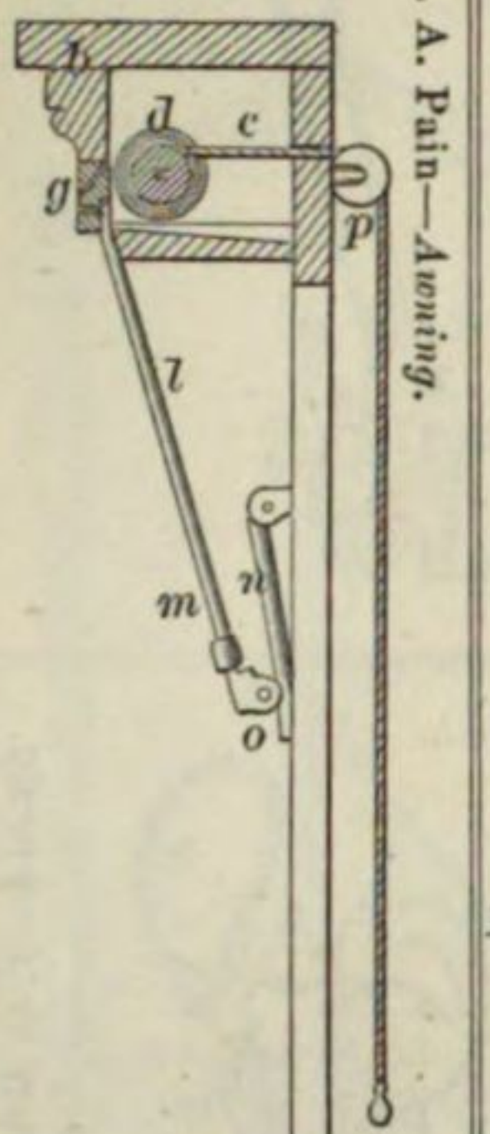
53857—I. Orndorff—*Loom.*



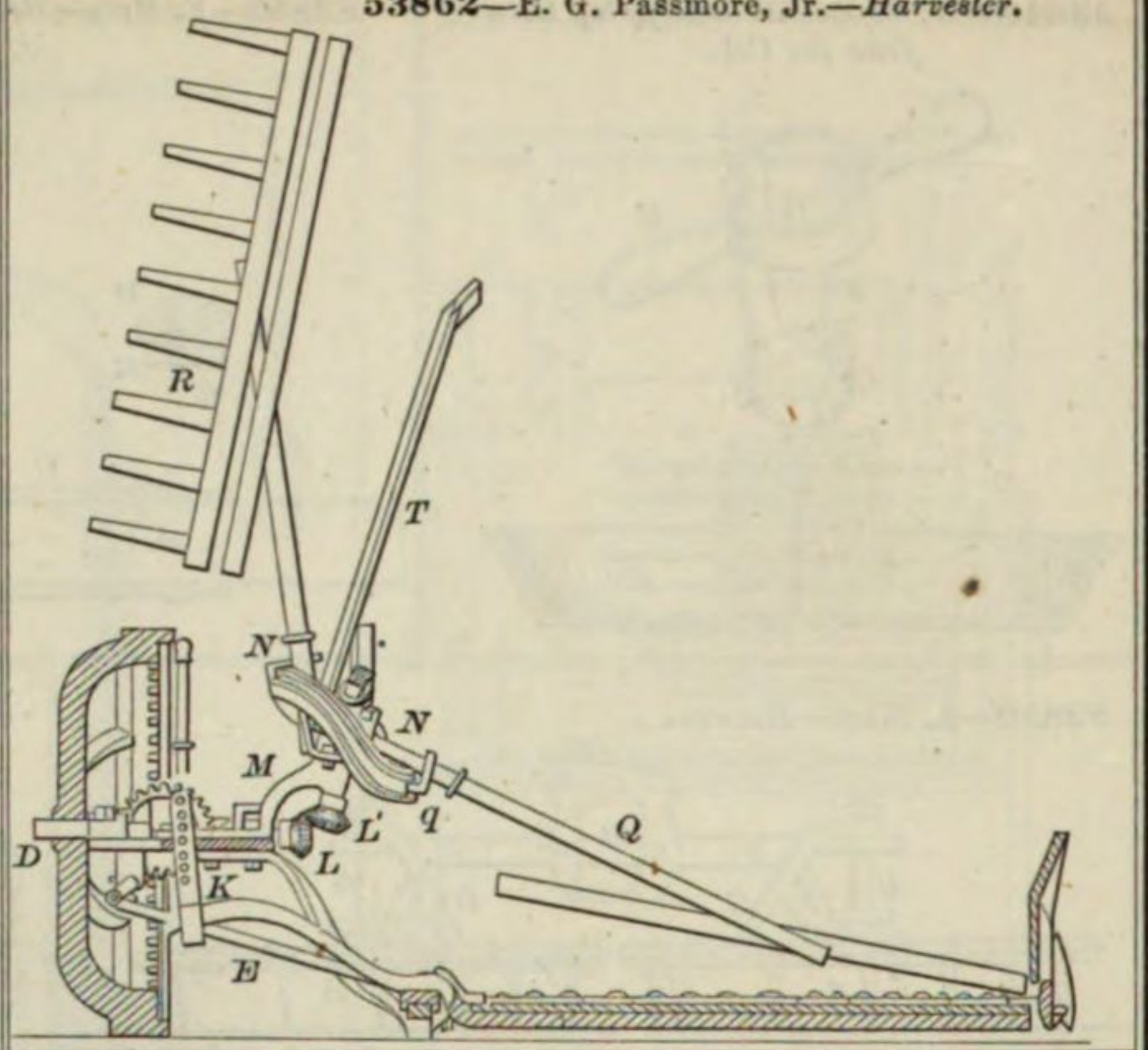
53858—I. Orndorff—*Loom.*



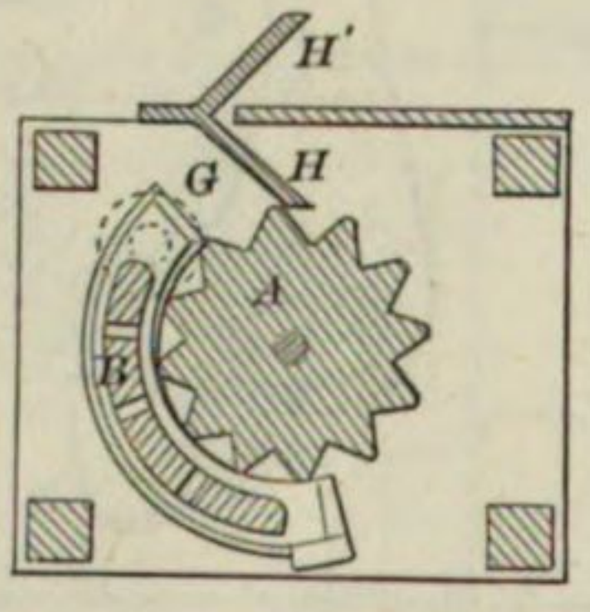
53859—J. A. Pain—*Awning.*



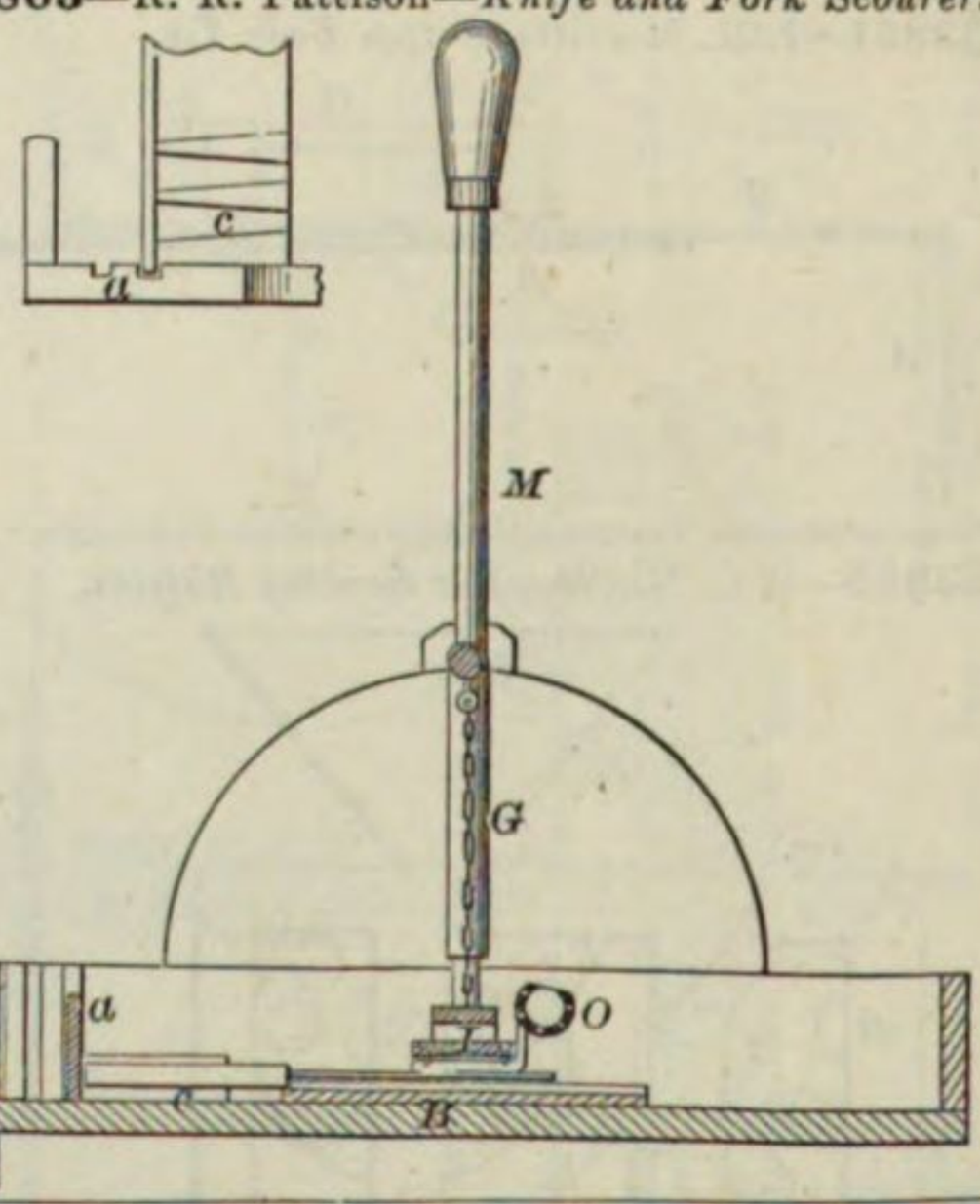
53862—E. G. Passmore, Jr.—*Harvester.*



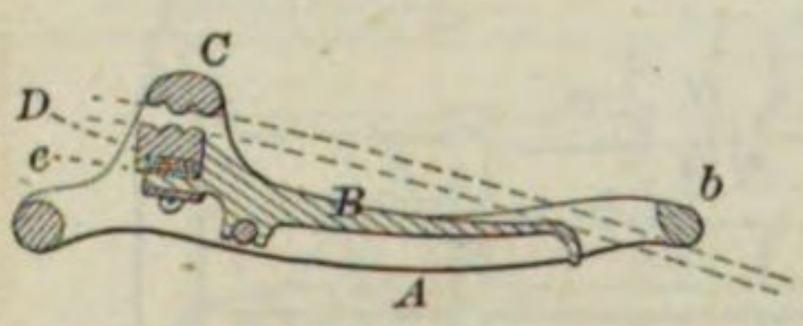
53860—N. Palmer—*Threshing Machine.*



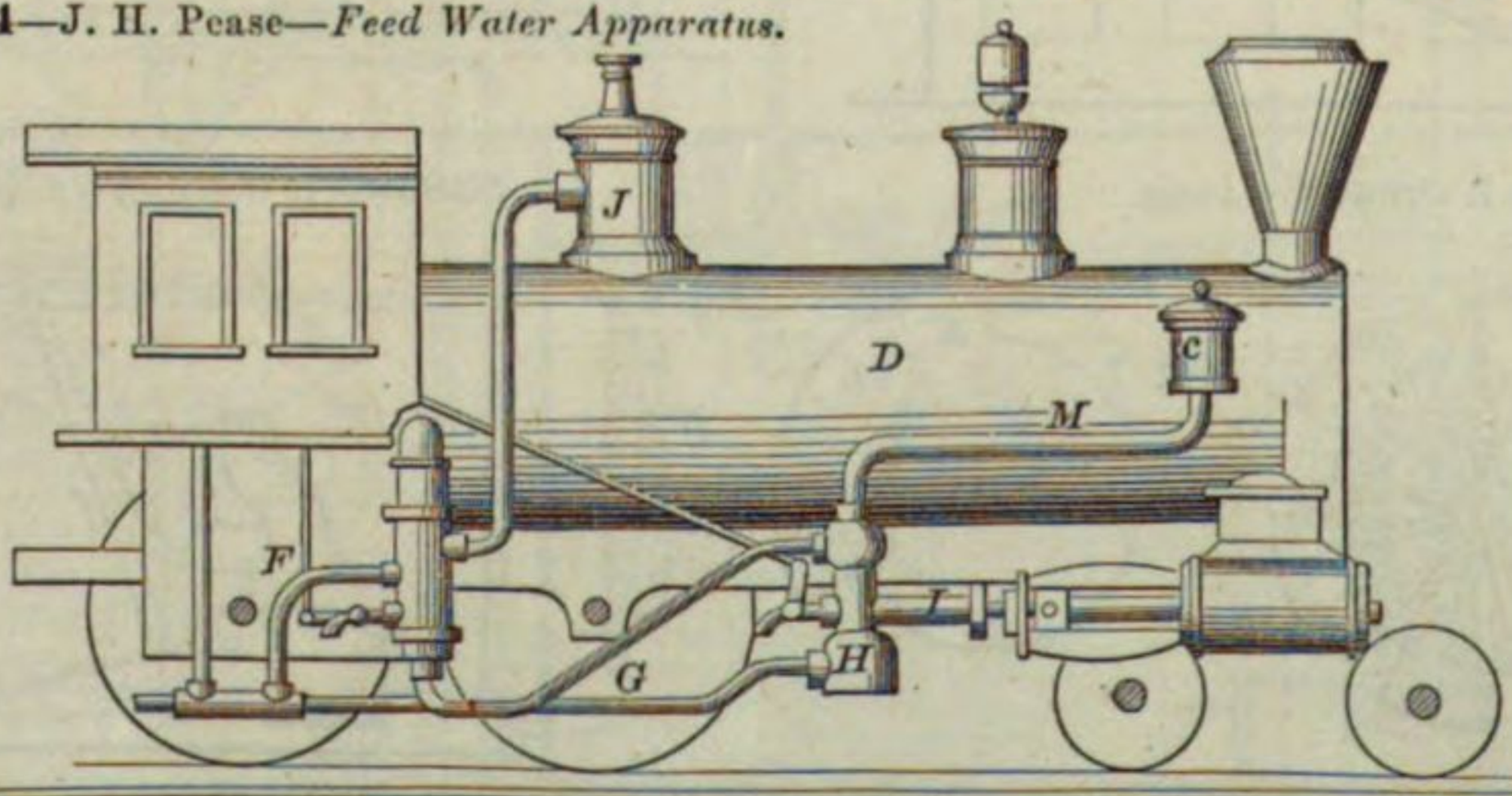
53863—R. R. Pattison—*Knife and Fork Scourer.*



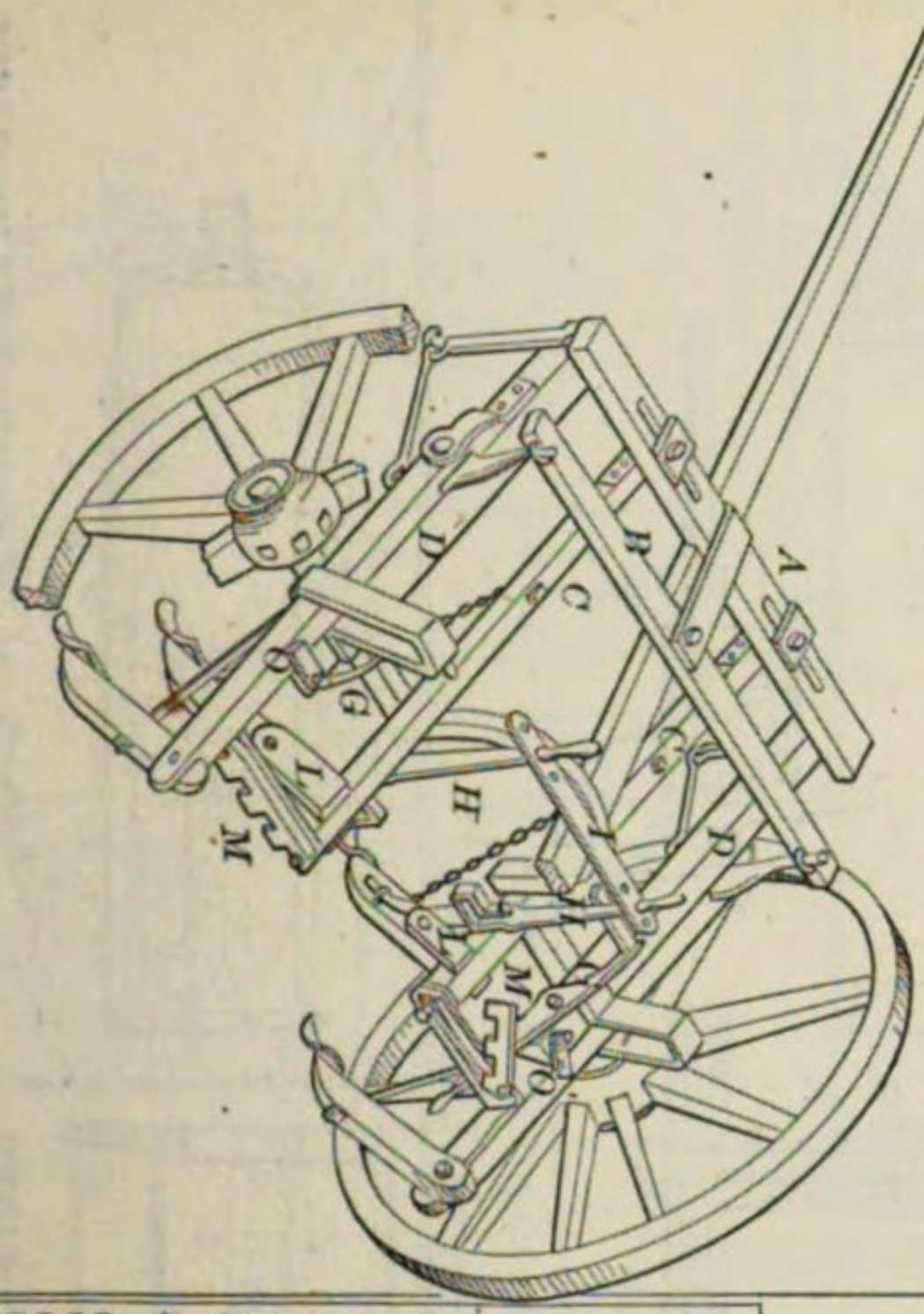
53866—L. W. Perkins—*Buckle.*



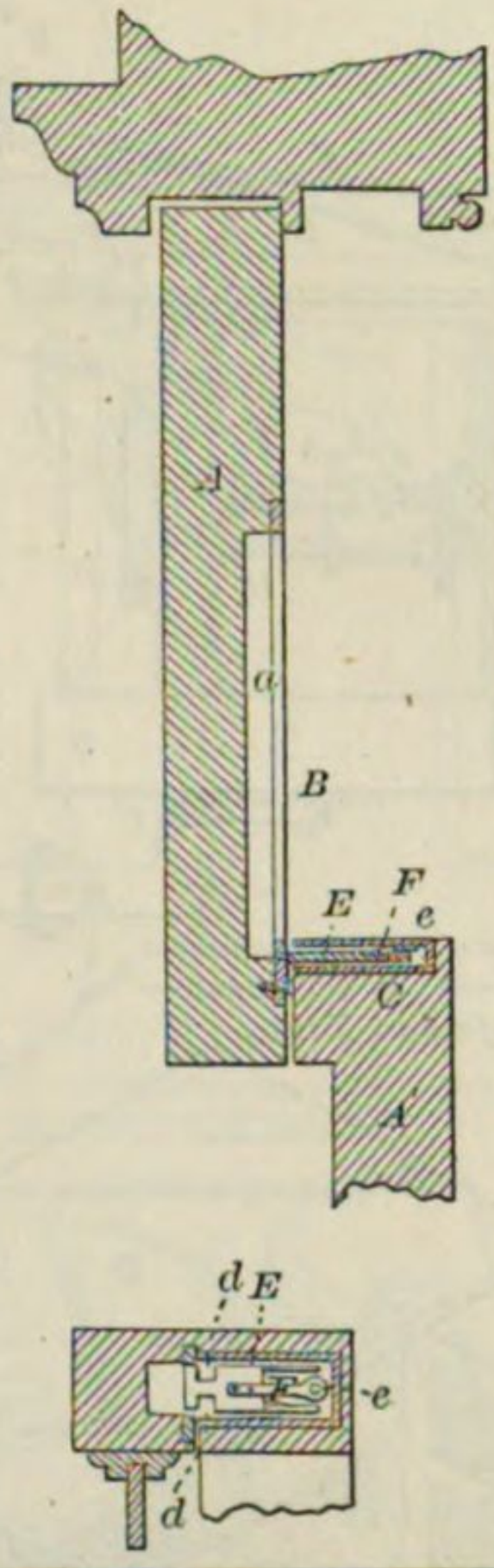
53864—J. H. Pease—*Feed Water Apparatus.*



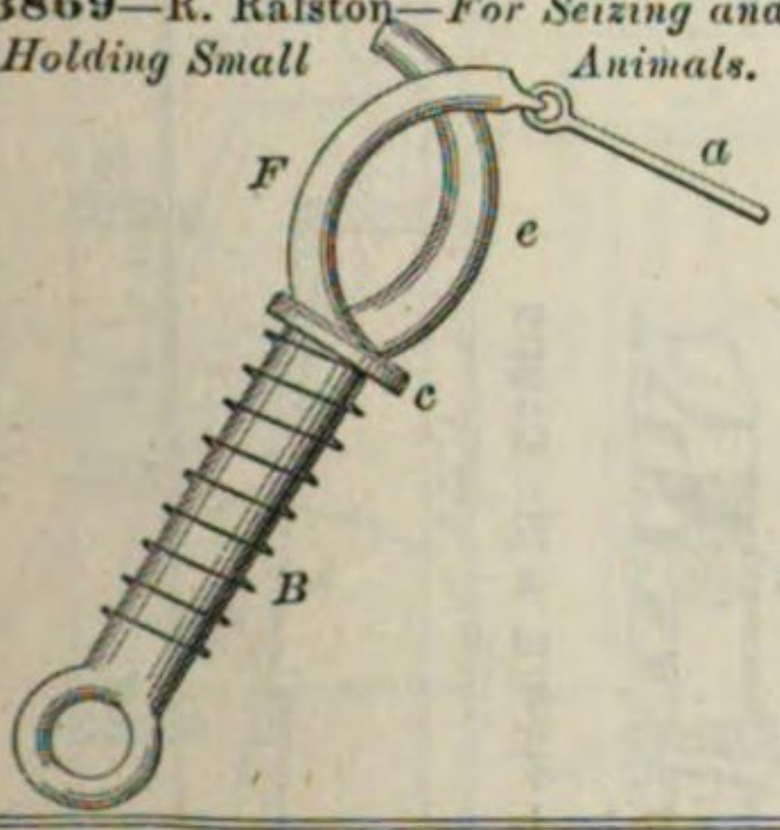
53867—G. Perry—*Cultivator.*



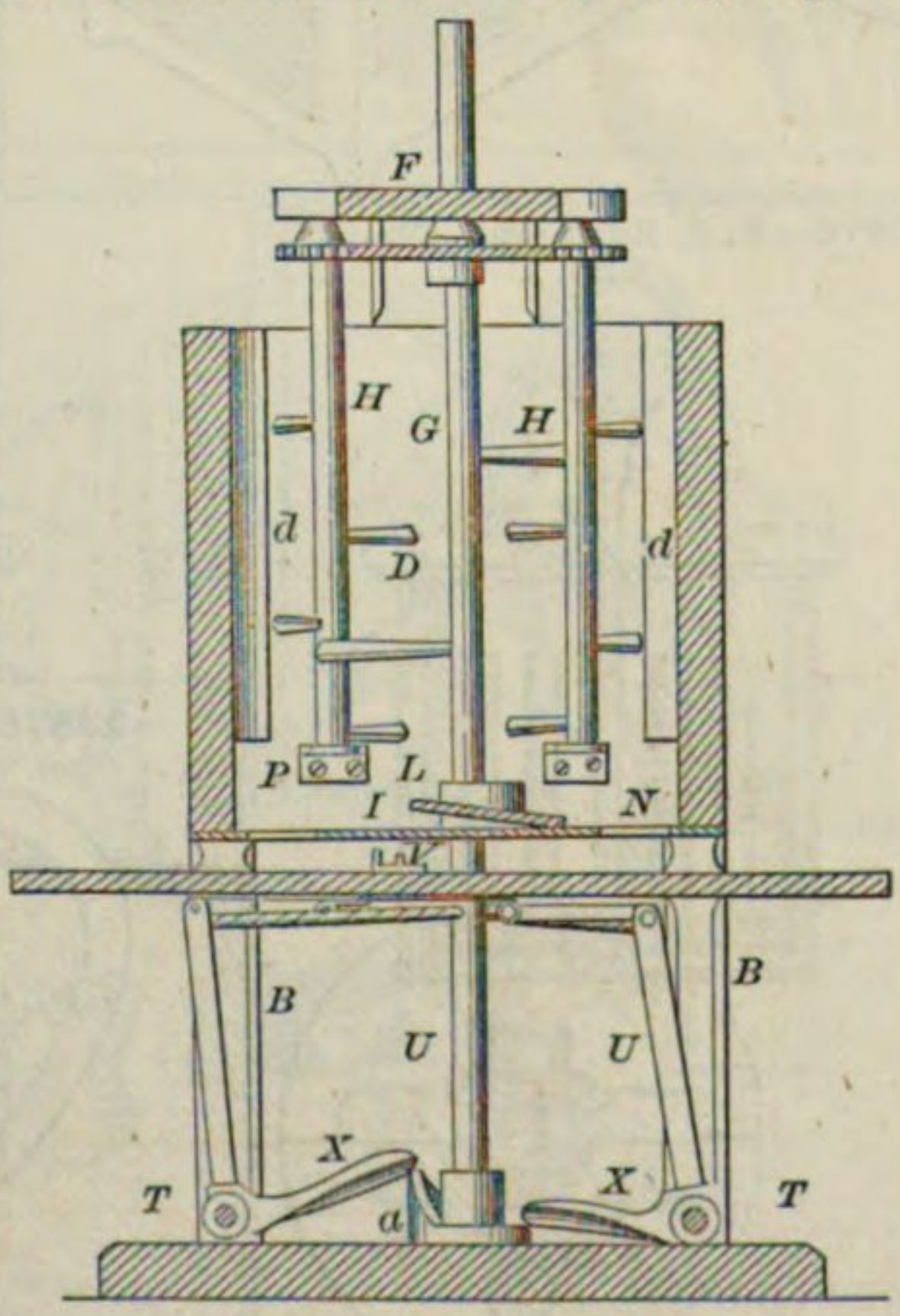
53870—J. C. Rankin—*Sash Fastener.*



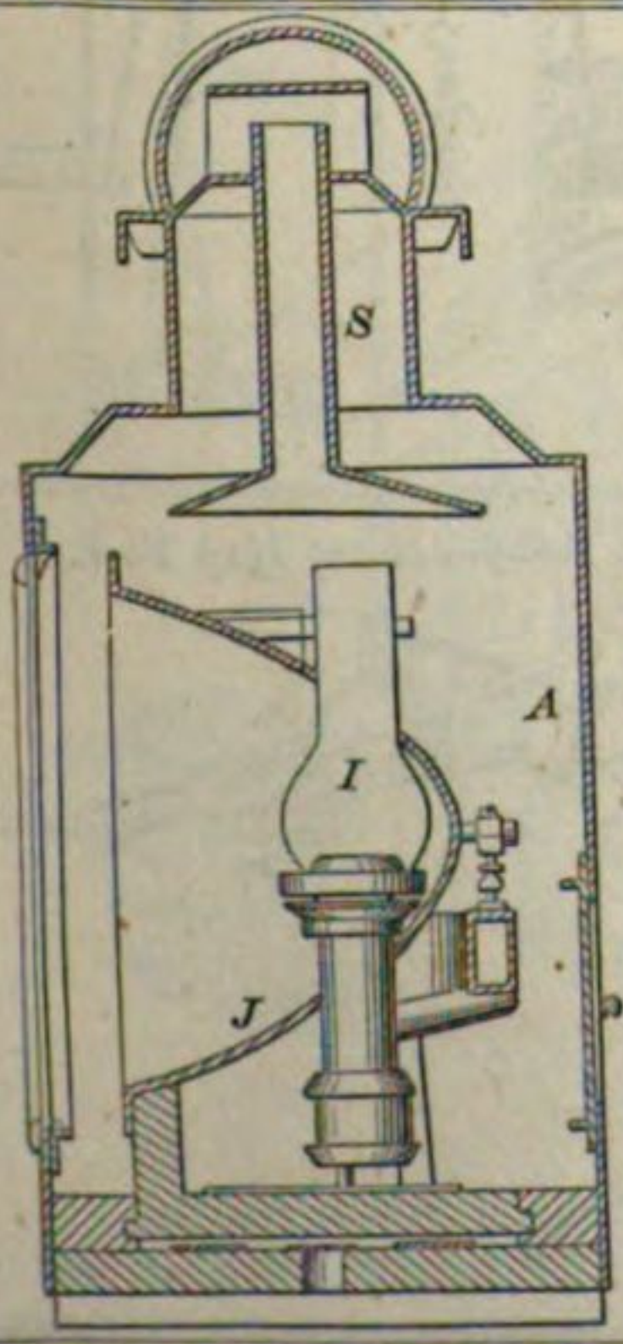
53869—R. Ralston—*For Seizing and Holding Small Animals.*



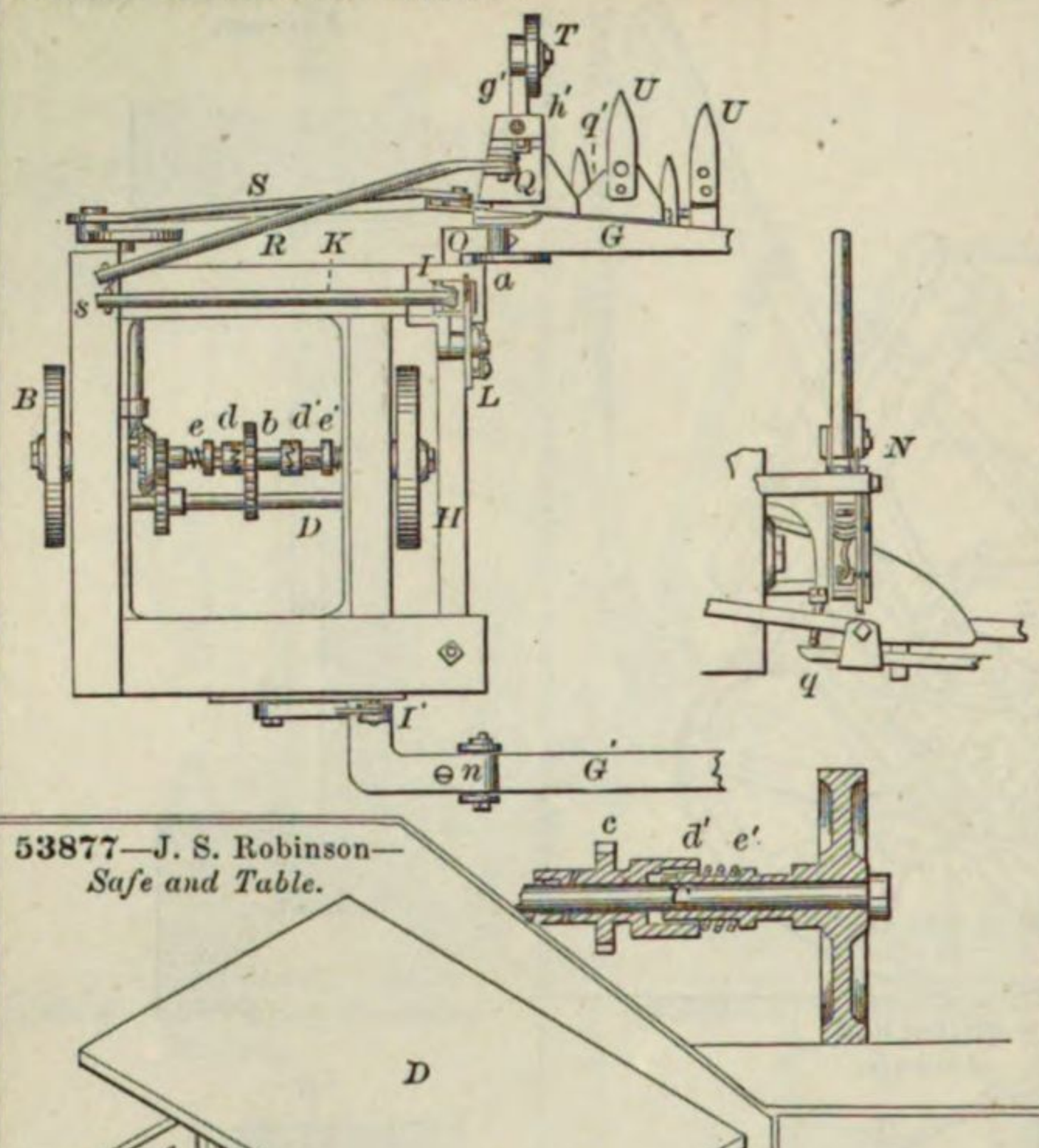
53868—B. Porter—*For Grinding Clay.*



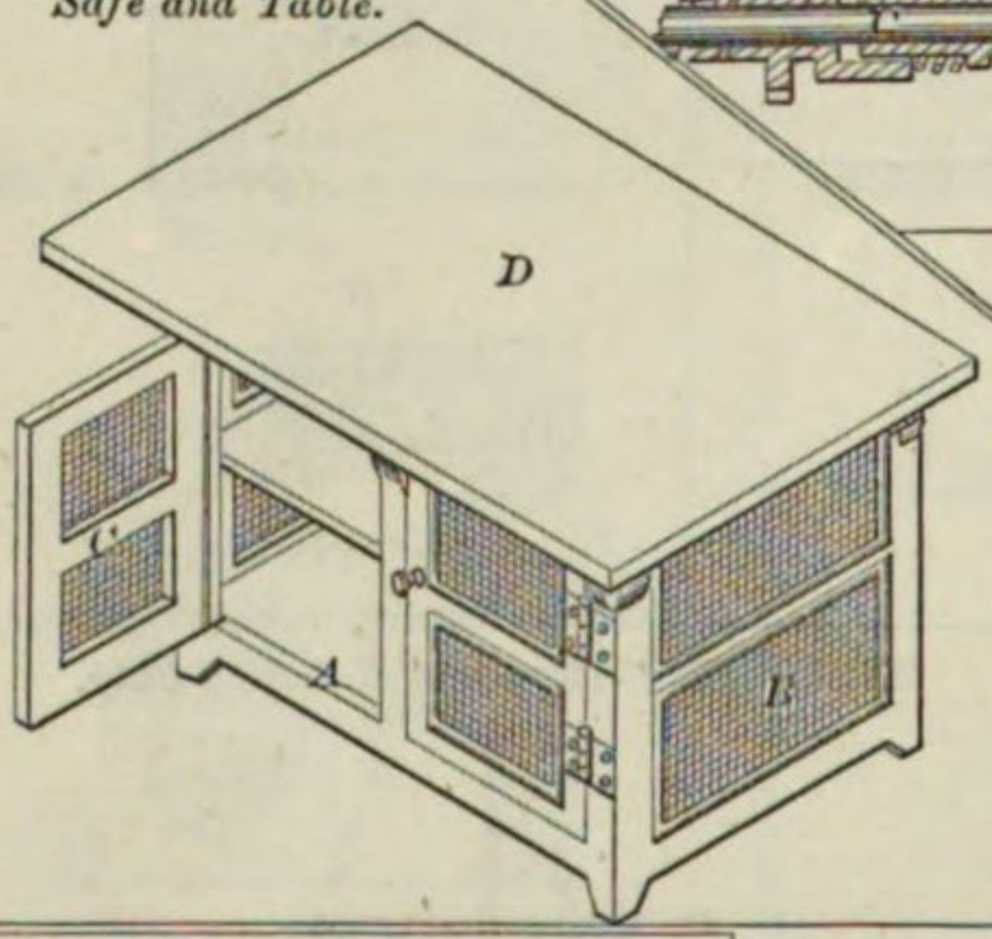
53871—Ray & Cleveland—*Locomotive Head Light.*



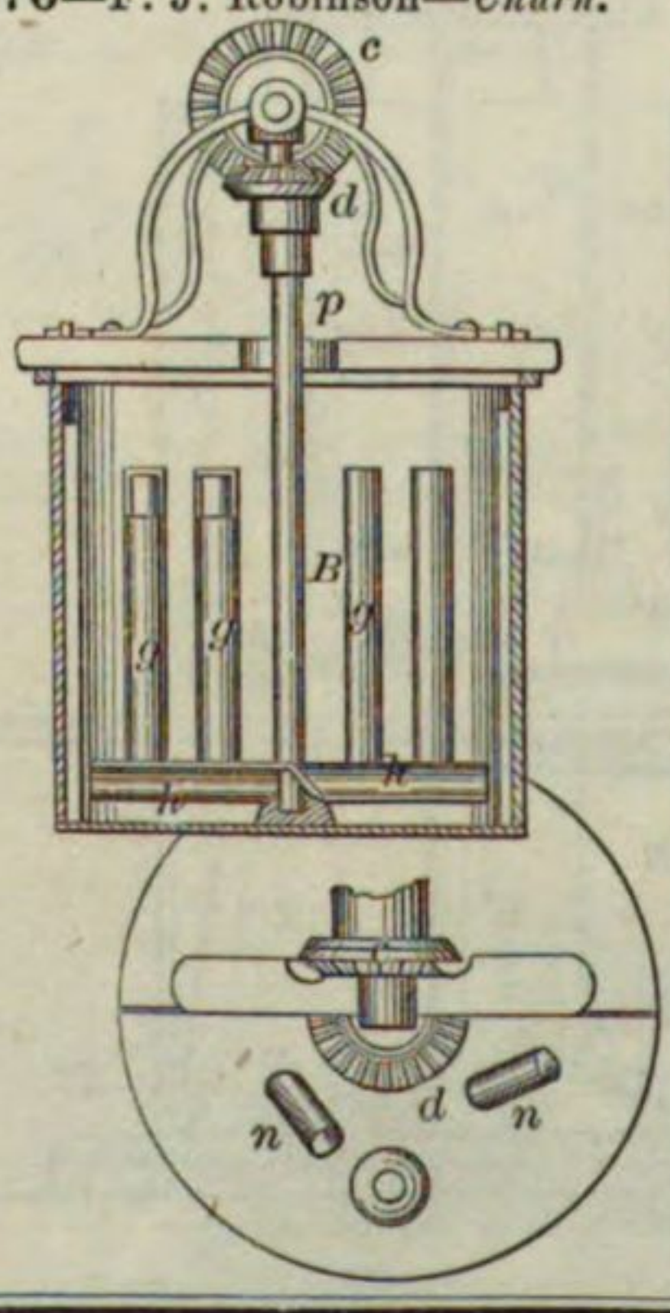
53872—O. Redmond—*Harvester.*



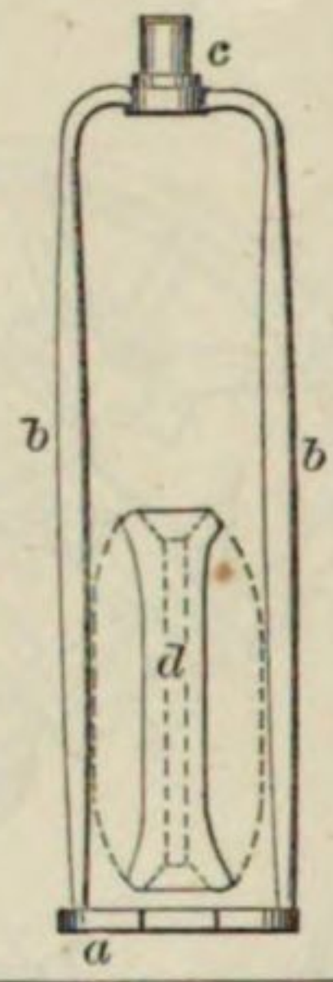
53877—J. S. Robinson—
Safe and Table.



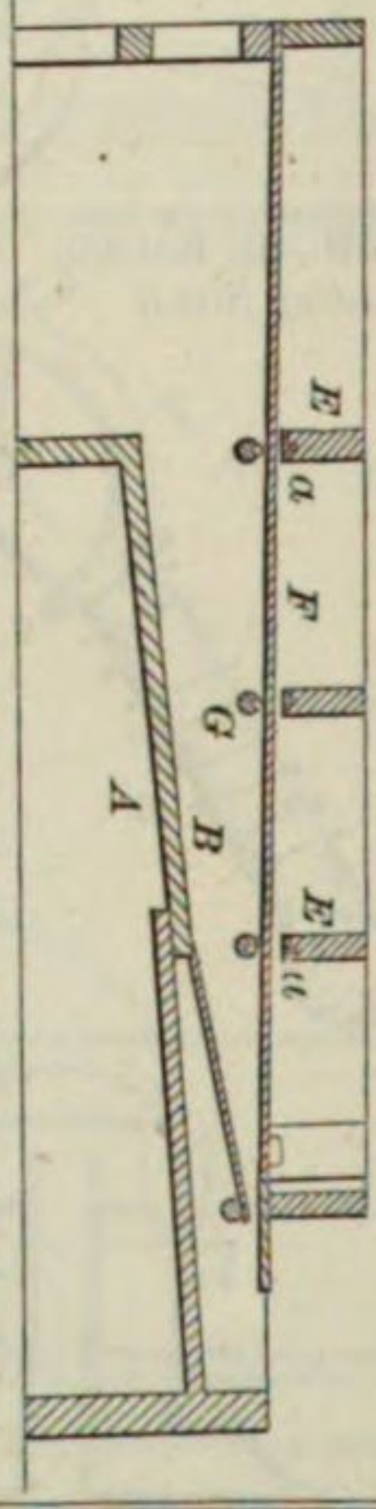
53876—F. J. Robinson—*Churn.*



53874—G. Richardson—*Flyer for Spinning.*

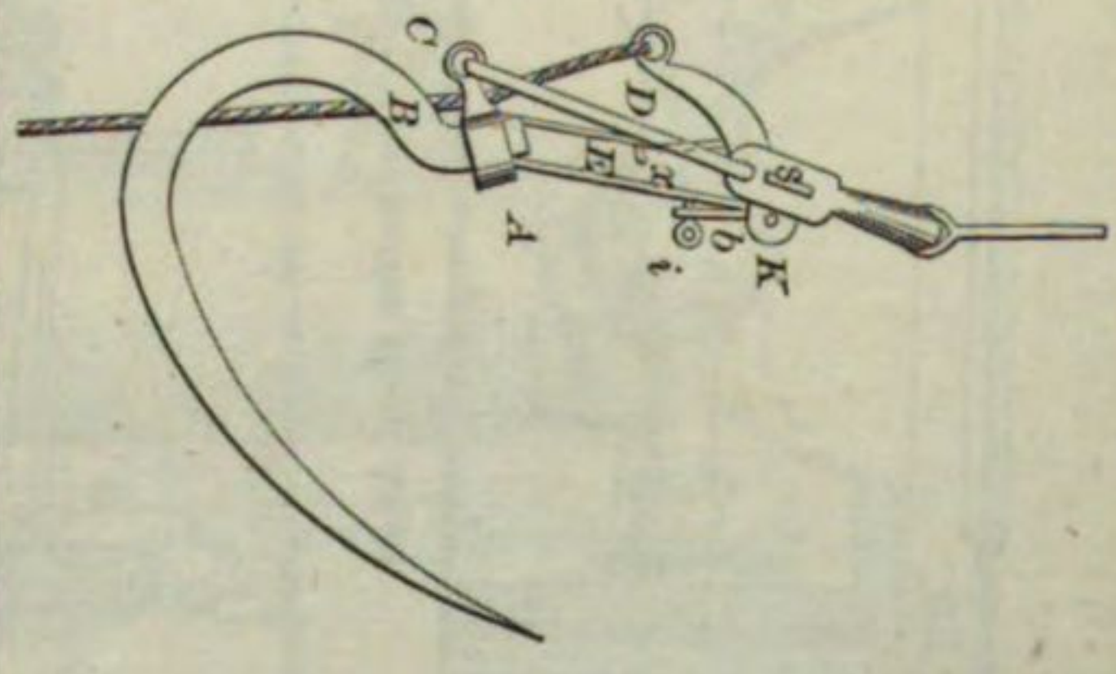


53873—D. Reeves—*Evaporator.*

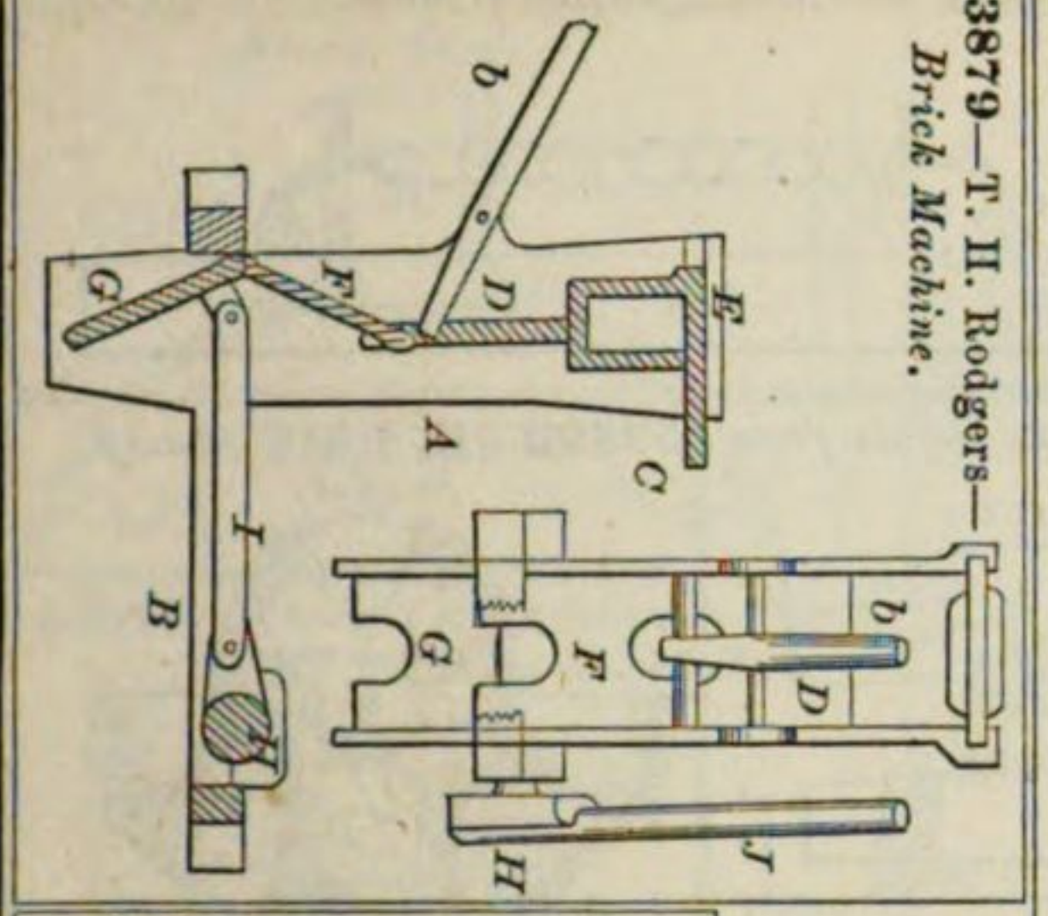


53875—E. S. Ritchie—*Compass.*

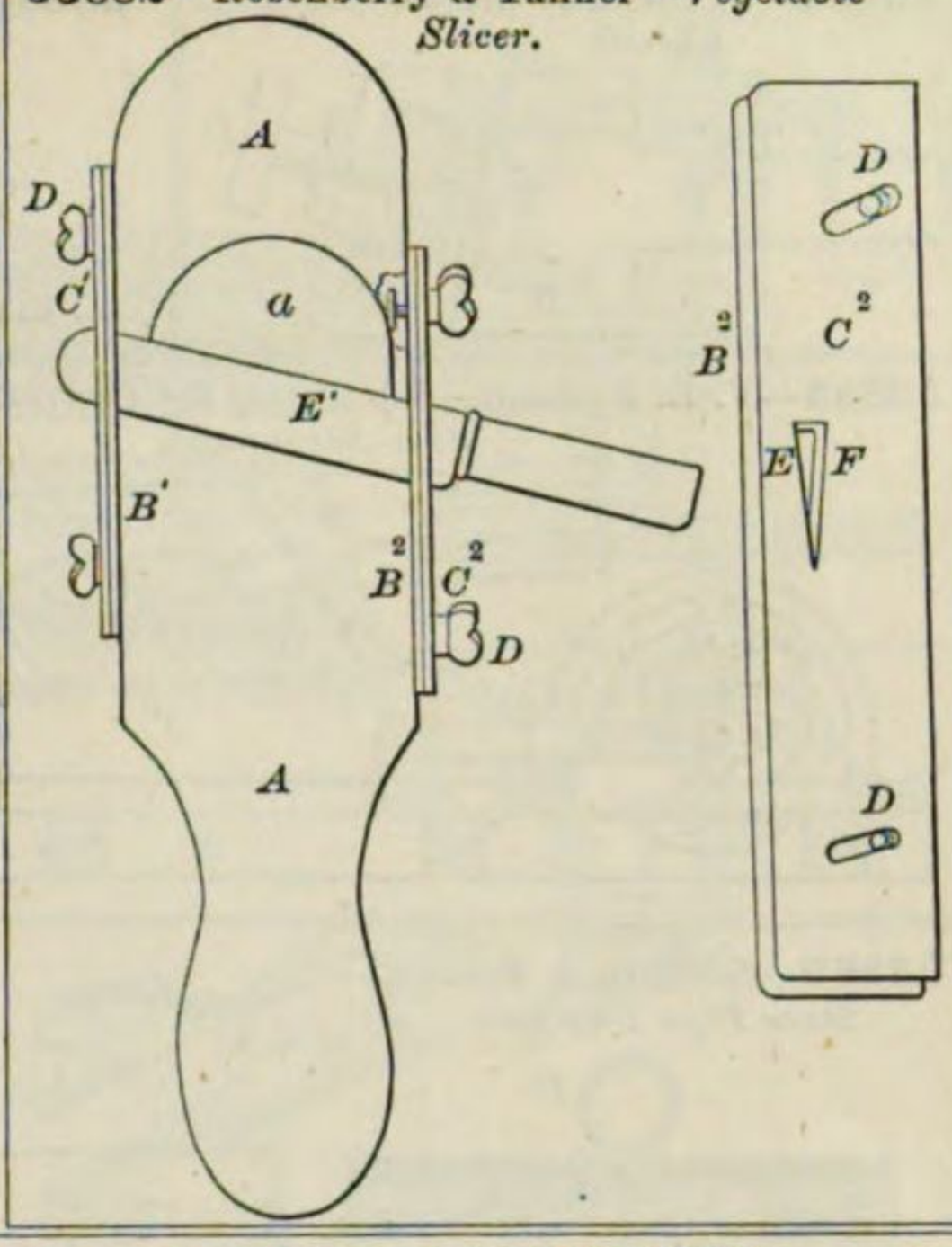
53878—L. M. Roby—*Horse Hay Fork.*



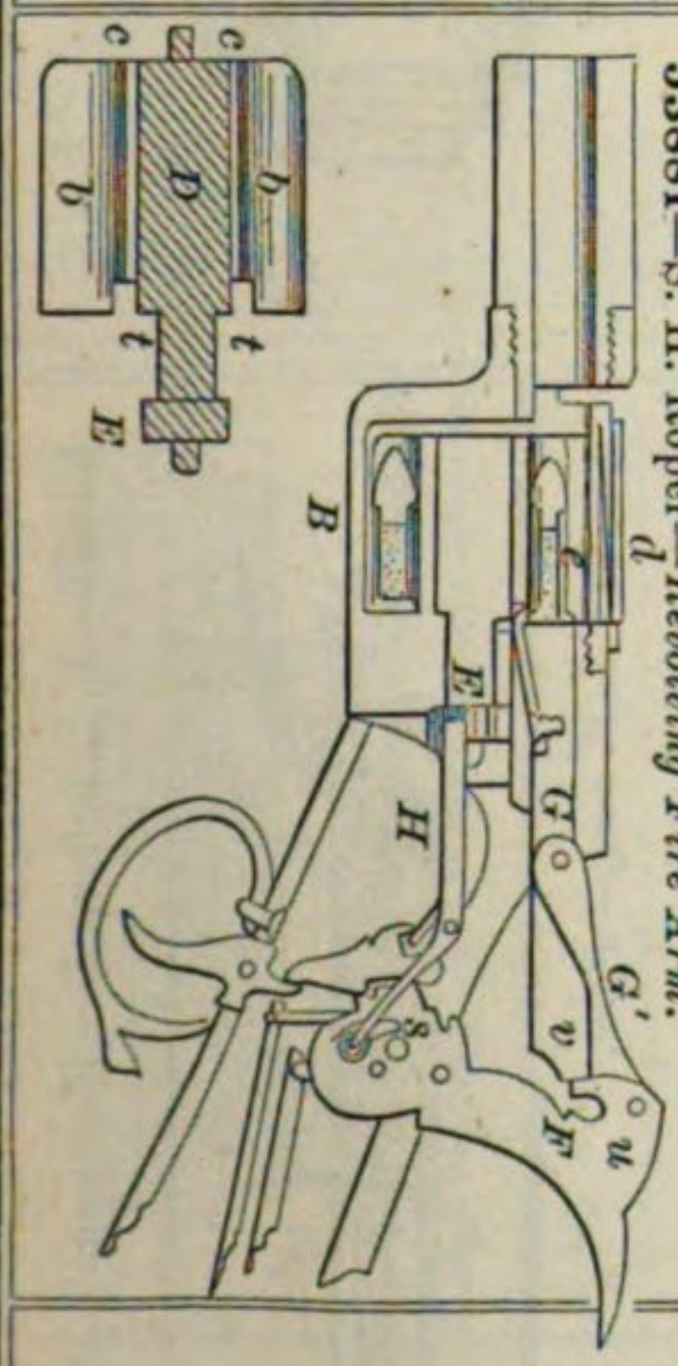
53879—T. H. Rodgers—*Brick Machine.*



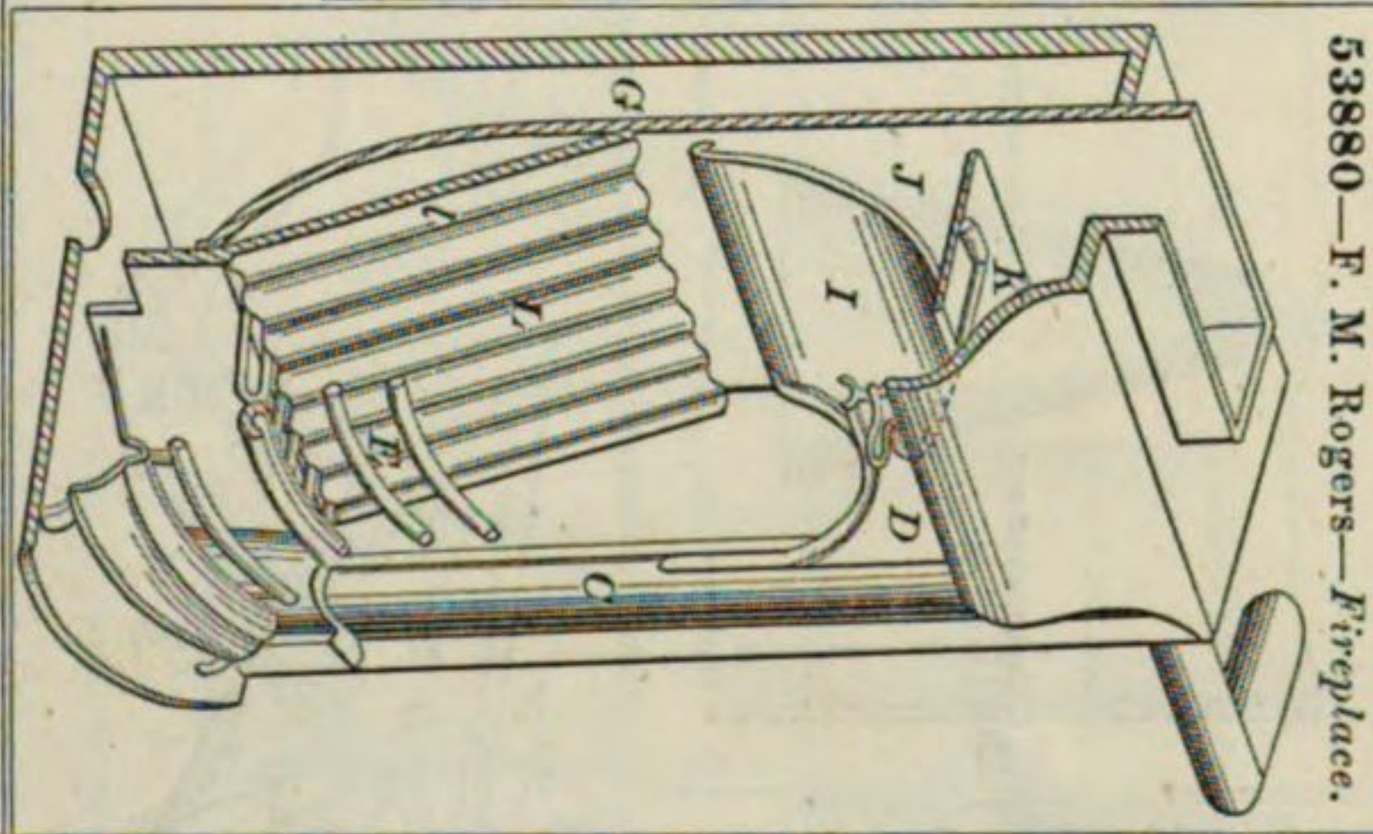
53882—Rosenberry & Tanner—*Vegetable Slicer.*



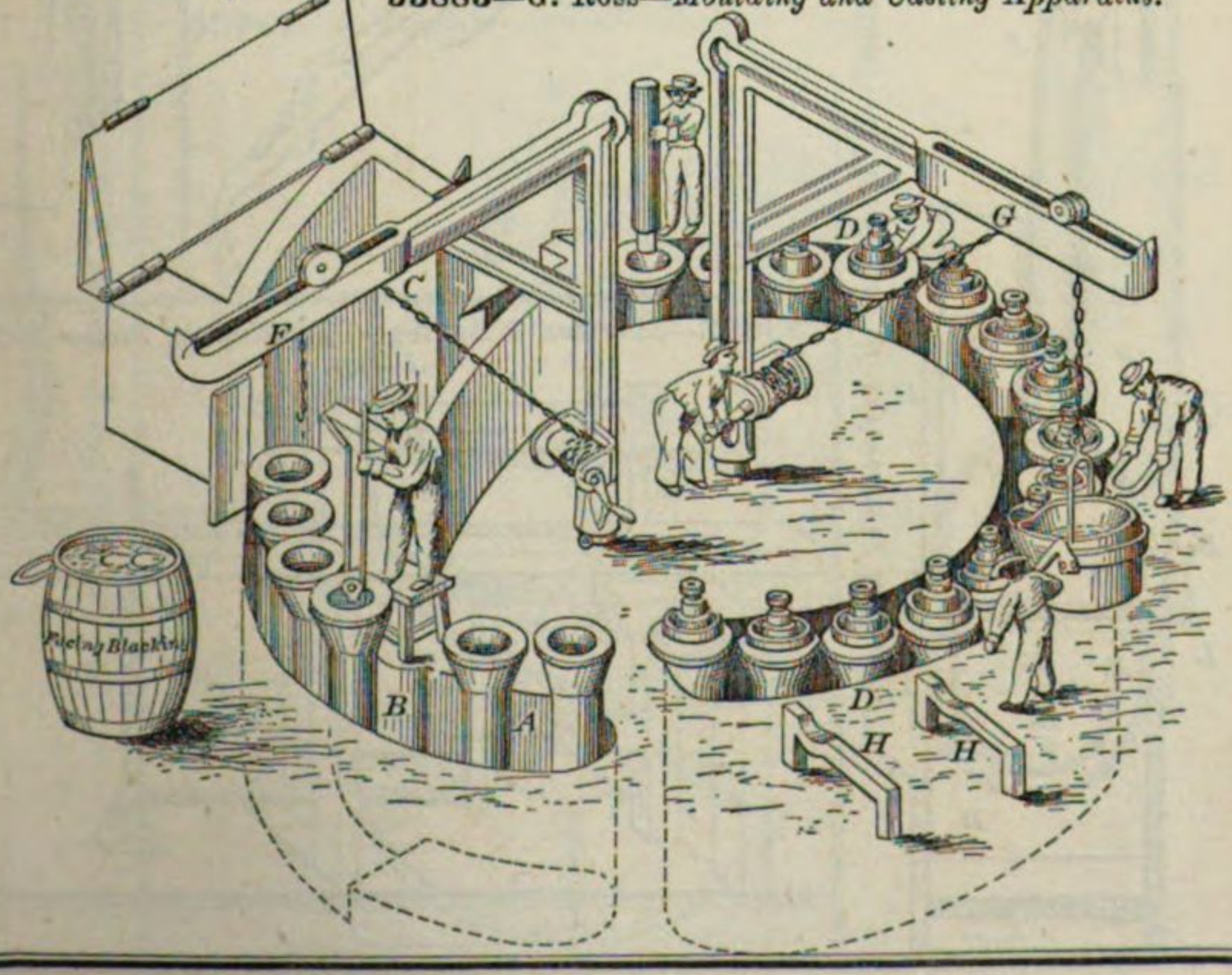
53881—S. H. Roper—*Revolving Fire Arm.*



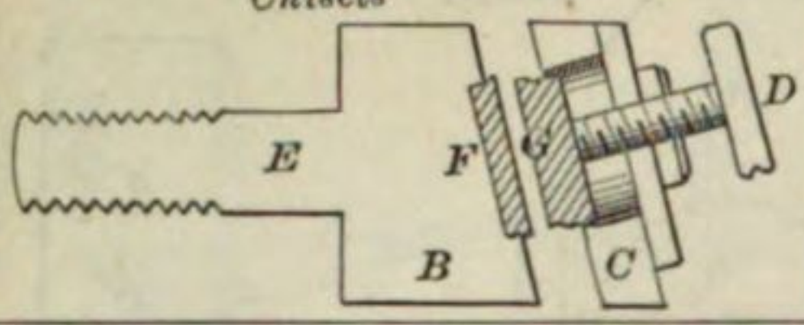
53880—F. M. Rogers—*Fireplace.*



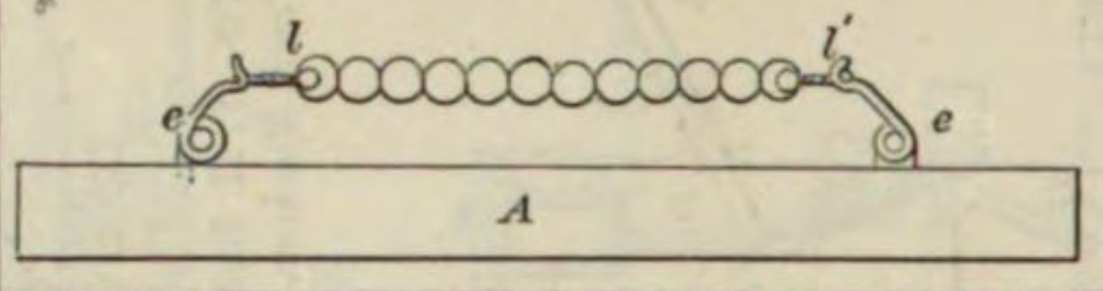
53883—G. Ross—*Moulding and Casting Apparatus.*



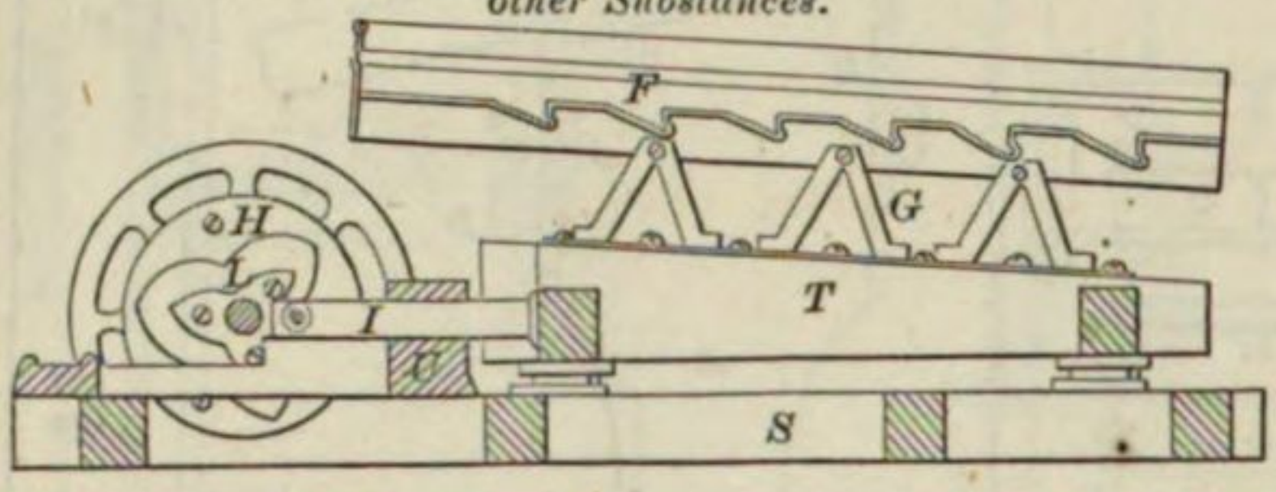
53884—J. Russell—*Holder for Chisels*



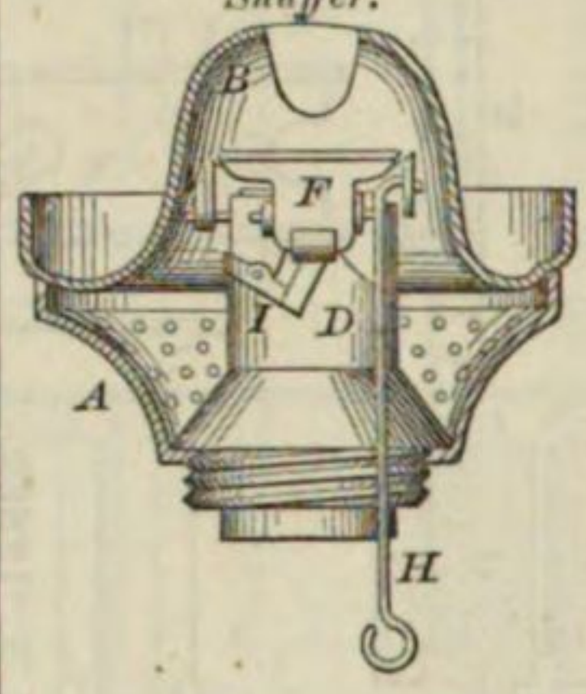
53888—F. Schimming—*Bed Bottom.*



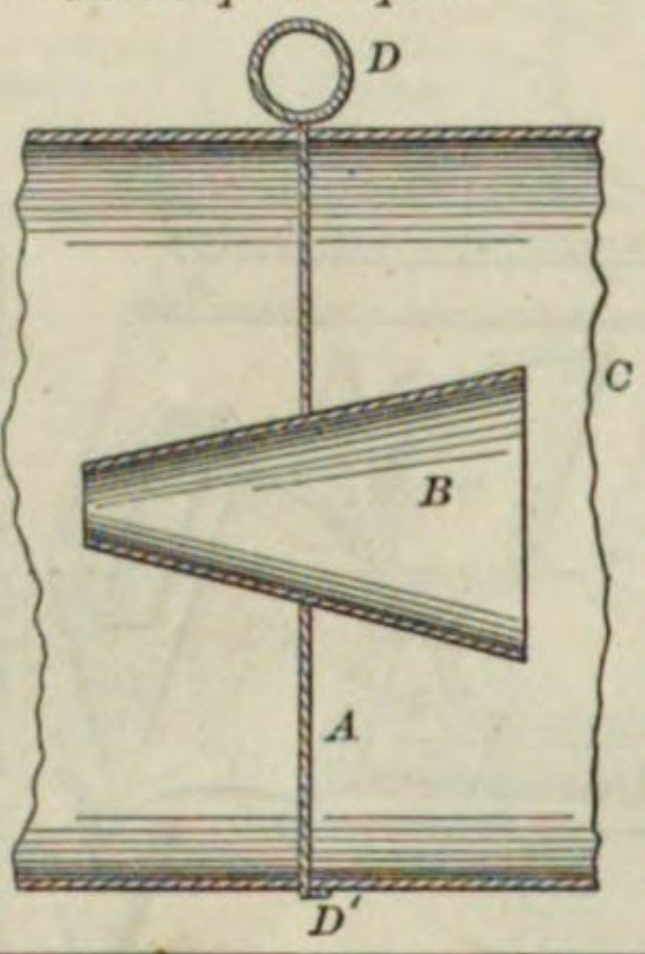
53885—V. B. Ryerson—*Separating the Precious Metals from other Substances.*



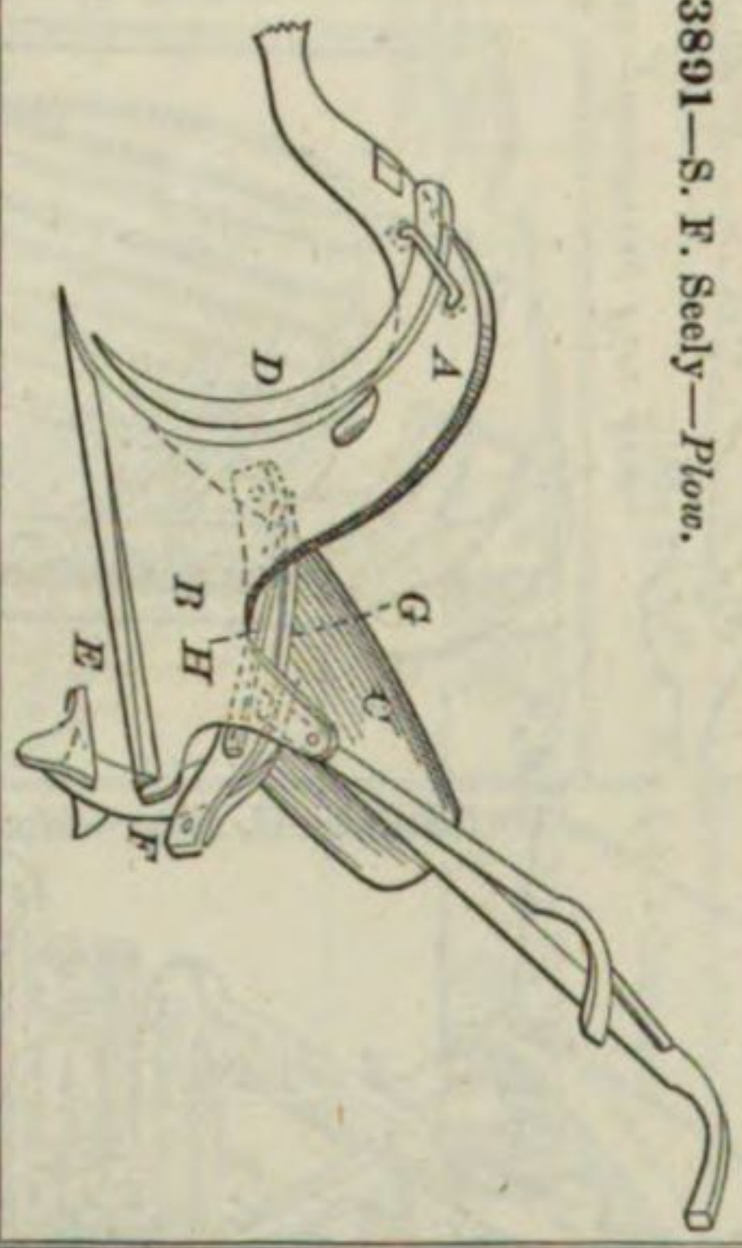
53890—K. Schou—*Lamp Snuffer.*



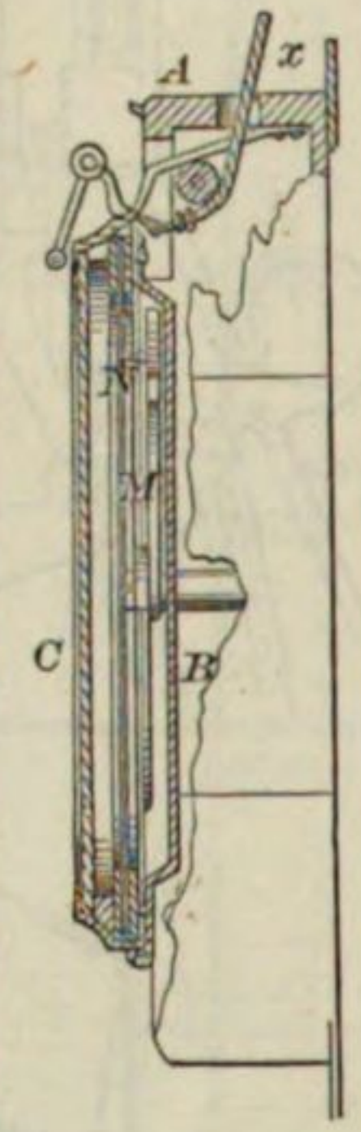
53886—Sanborn & Bennett—*Stove Pipe Damper.*



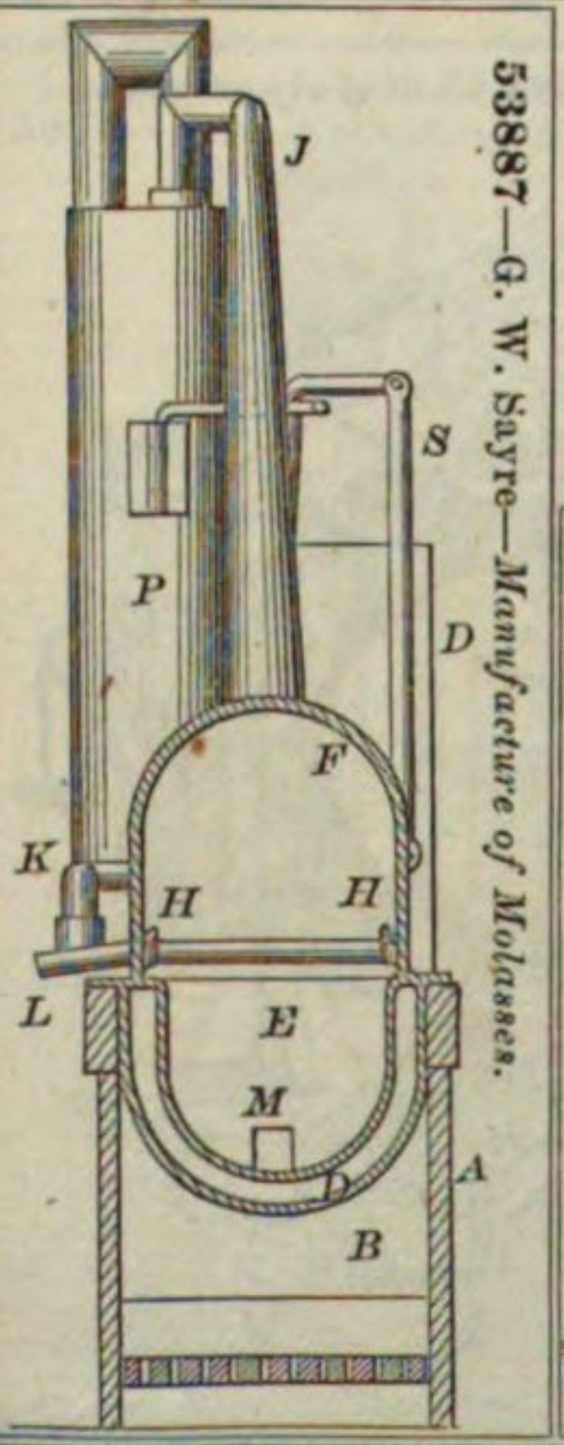
53891—S. F. Seely—*Plow.*



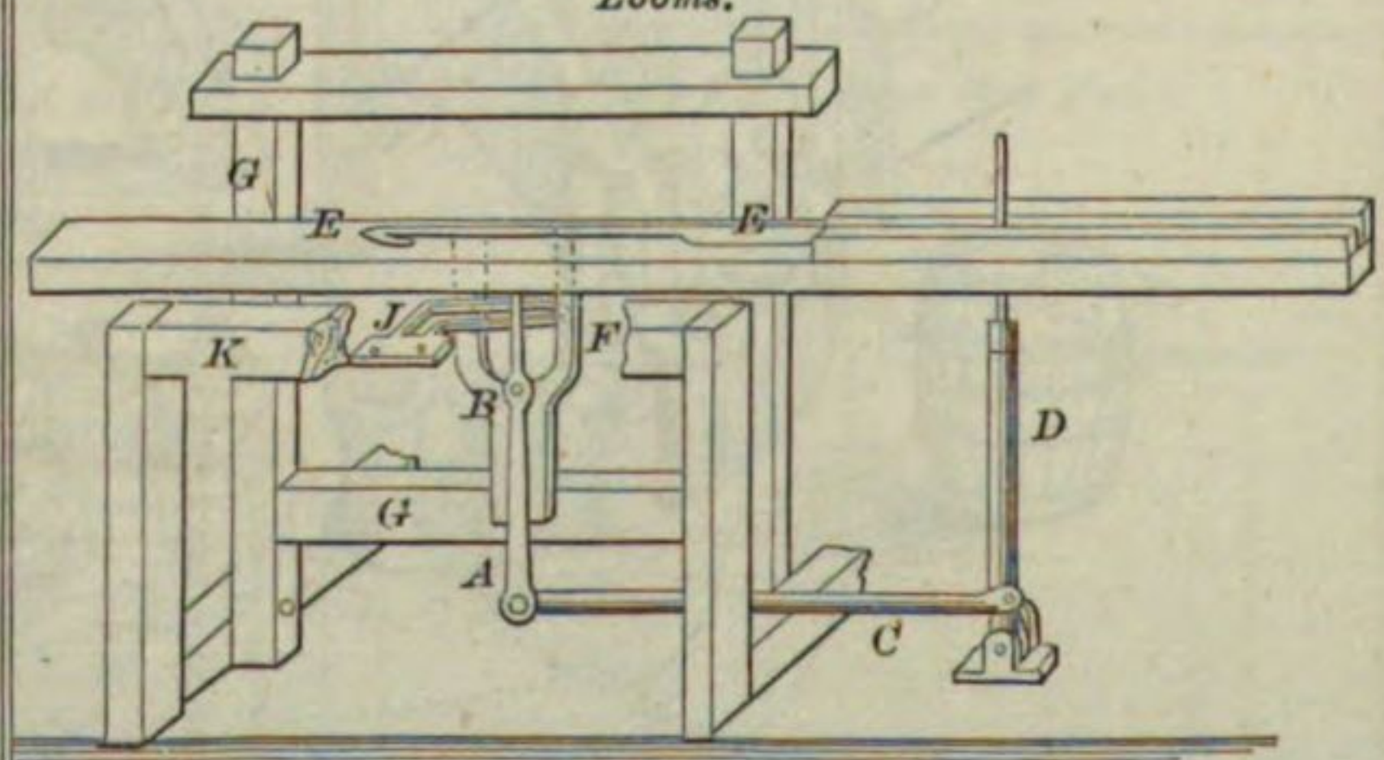
53889—P. L. Schmandt—*Watchman's Register.*



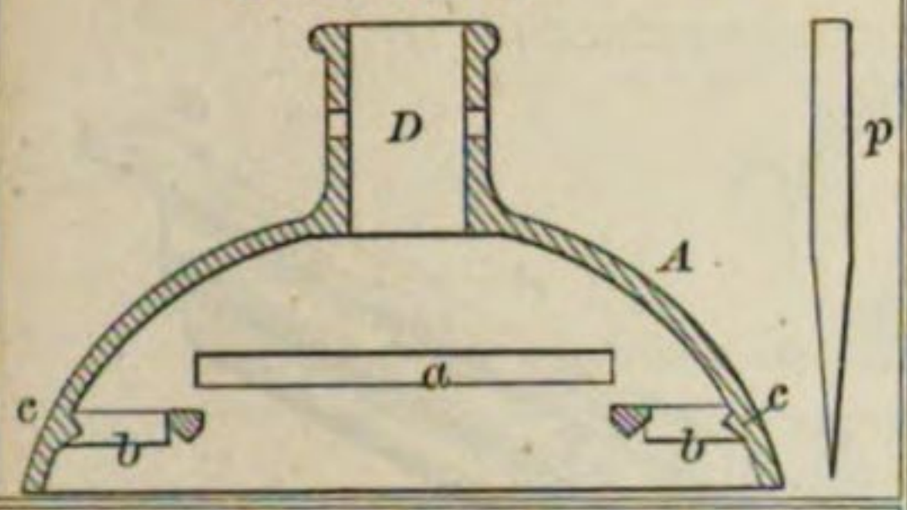
53887—G. W. Sayre—*Manufacture of Molasses.*



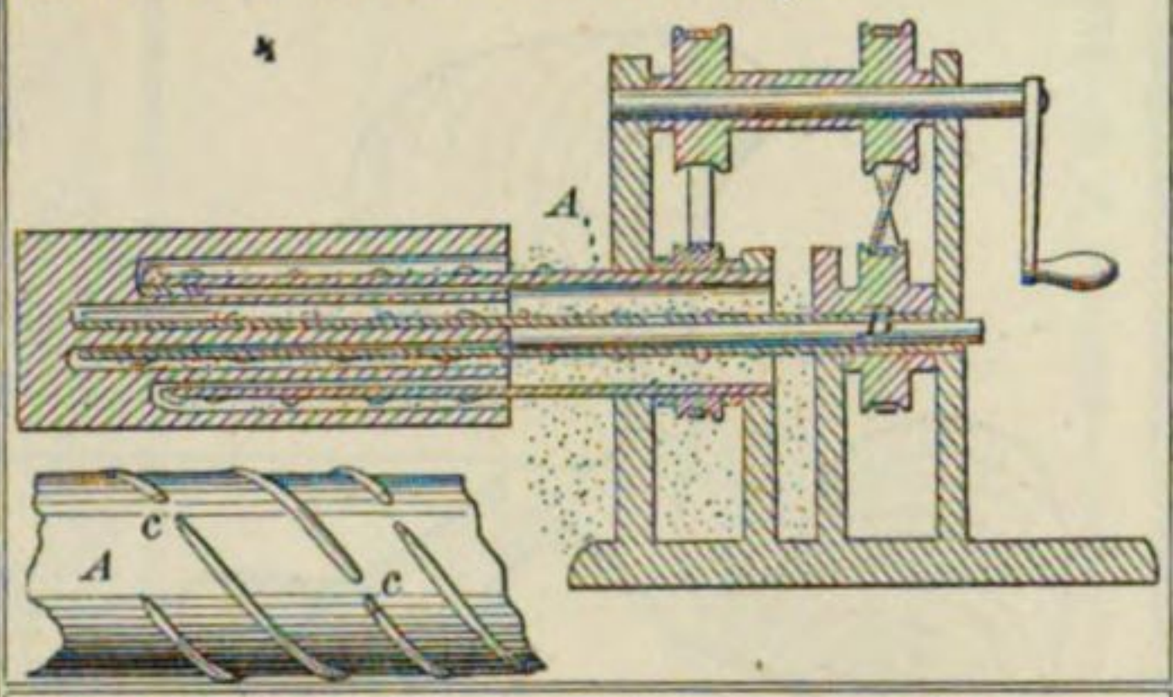
53892—Sherman & Baxter—*Operating the Picker Staff for Looms.*



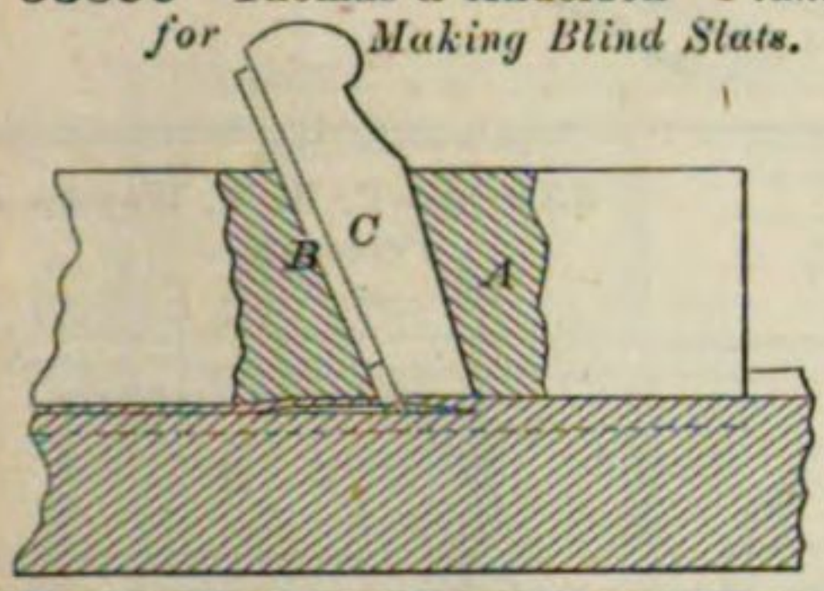
53893—S. S. & J. G. Sherman—*Broom Head.*



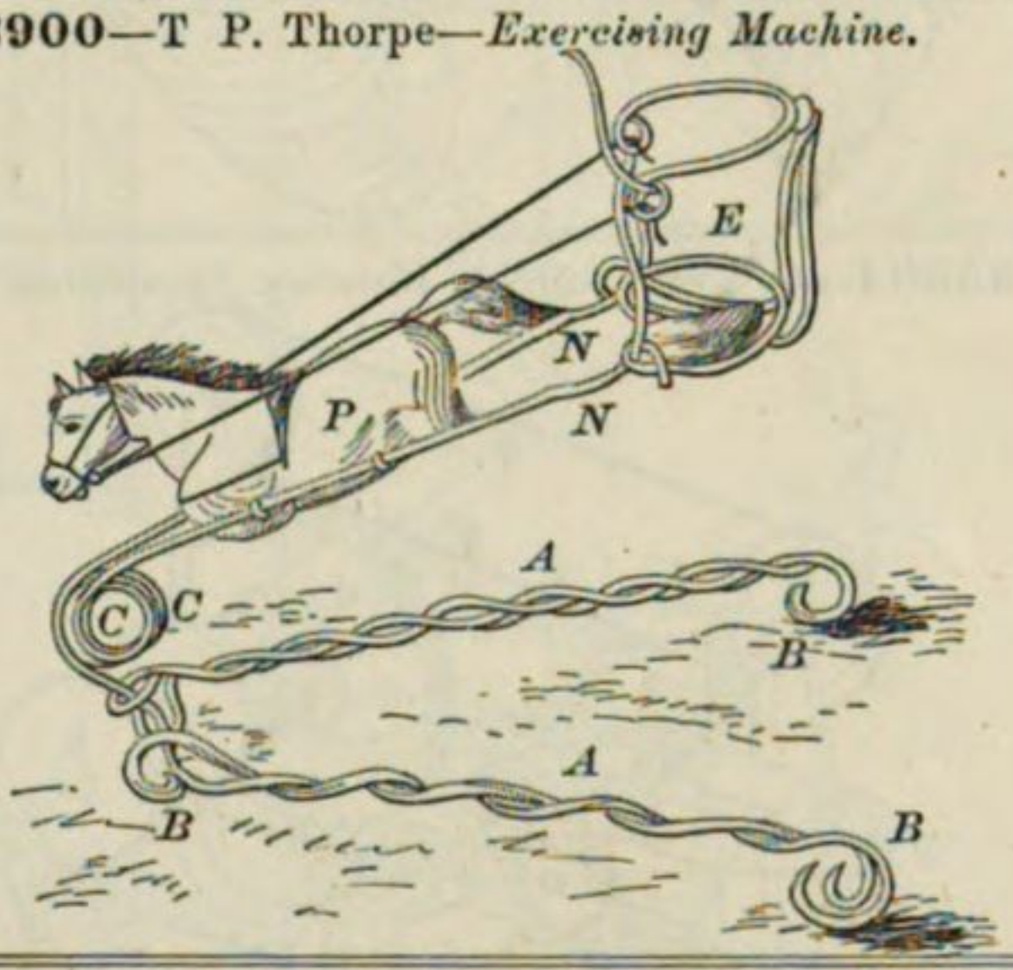
53896—R. Stewart—*Annular Auger.*



53899—Thomas & Anderson—*Plane for Making Blind Slats.*

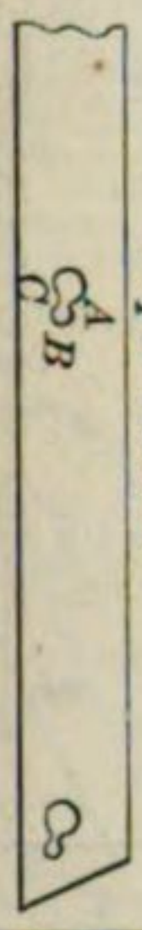


53900—T P. Thorpe—*Exercising Machine.*

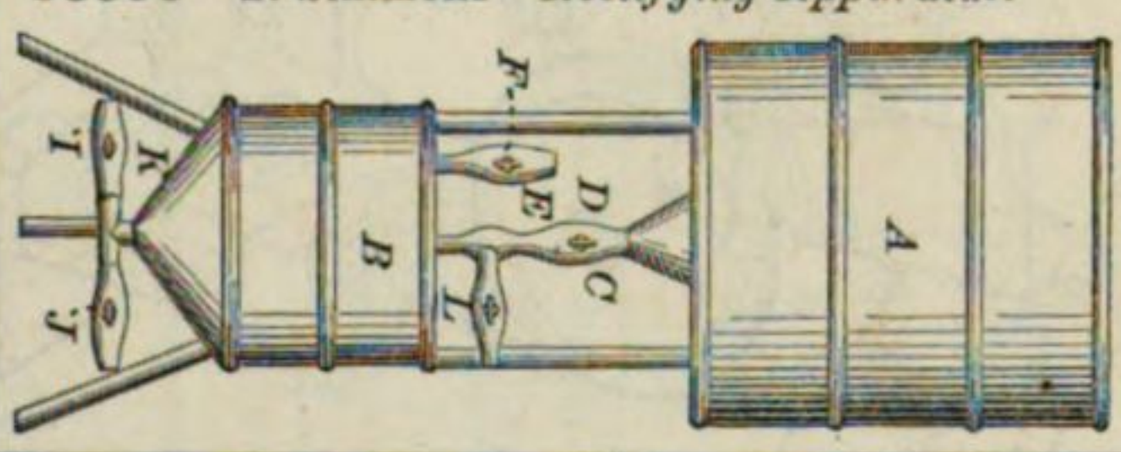


53894—Sibley & Shiverick—*Door for Puddling Furnaces.*

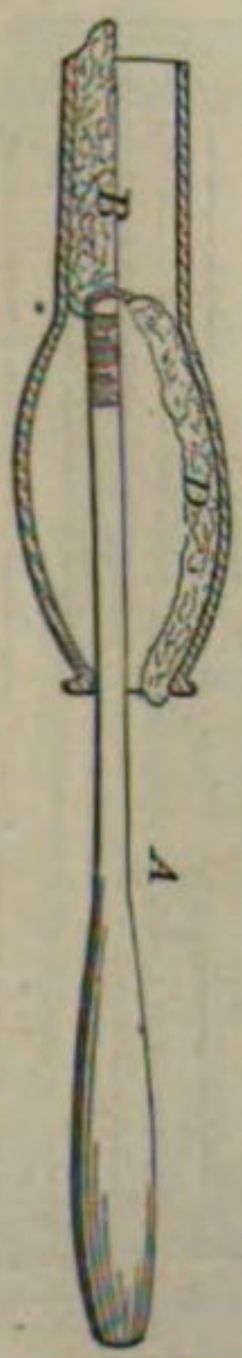
53897—D. Stoner—*Paper Collars.*



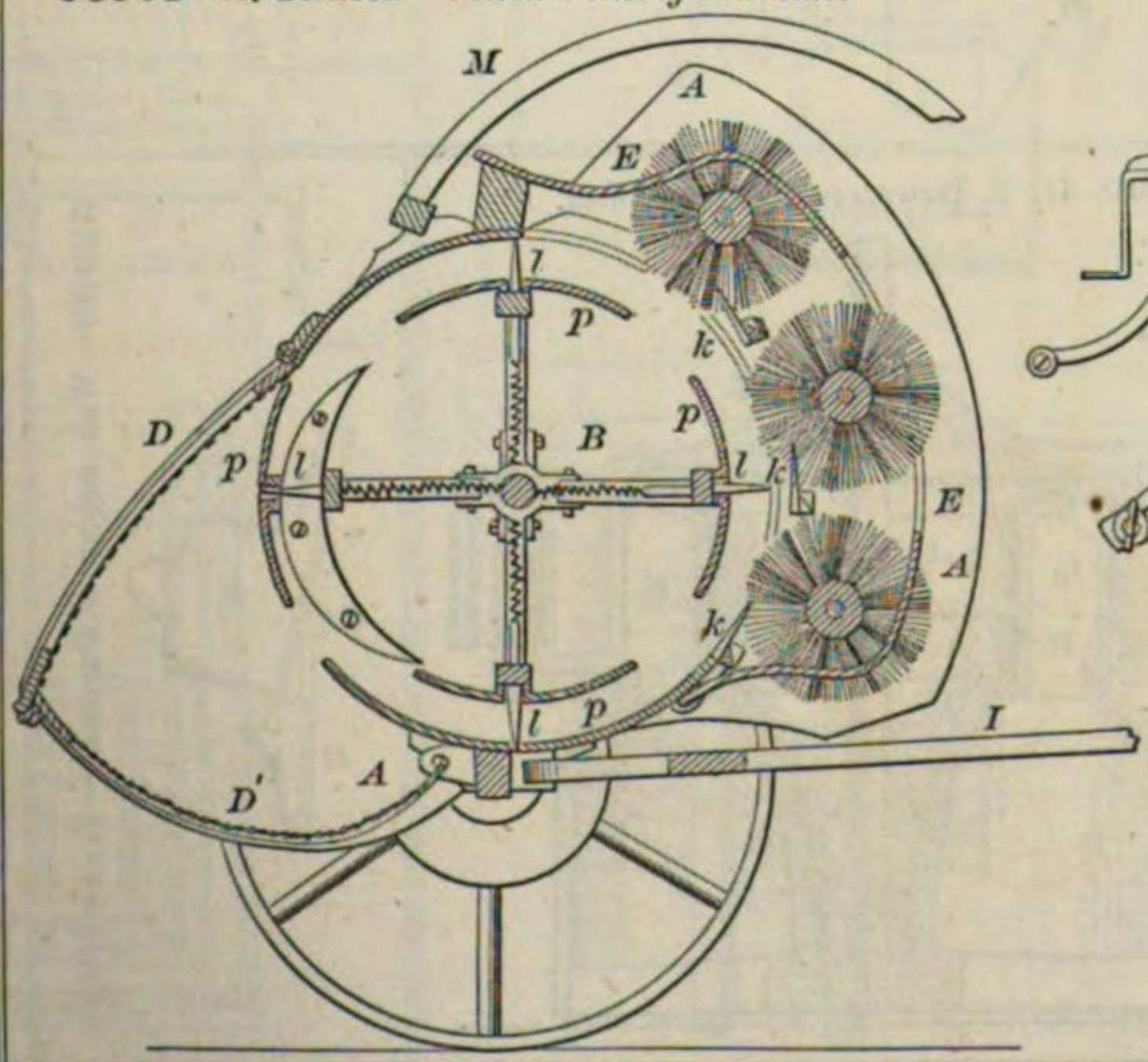
53895—T. Simmons—*Rectifying Apparatus.*



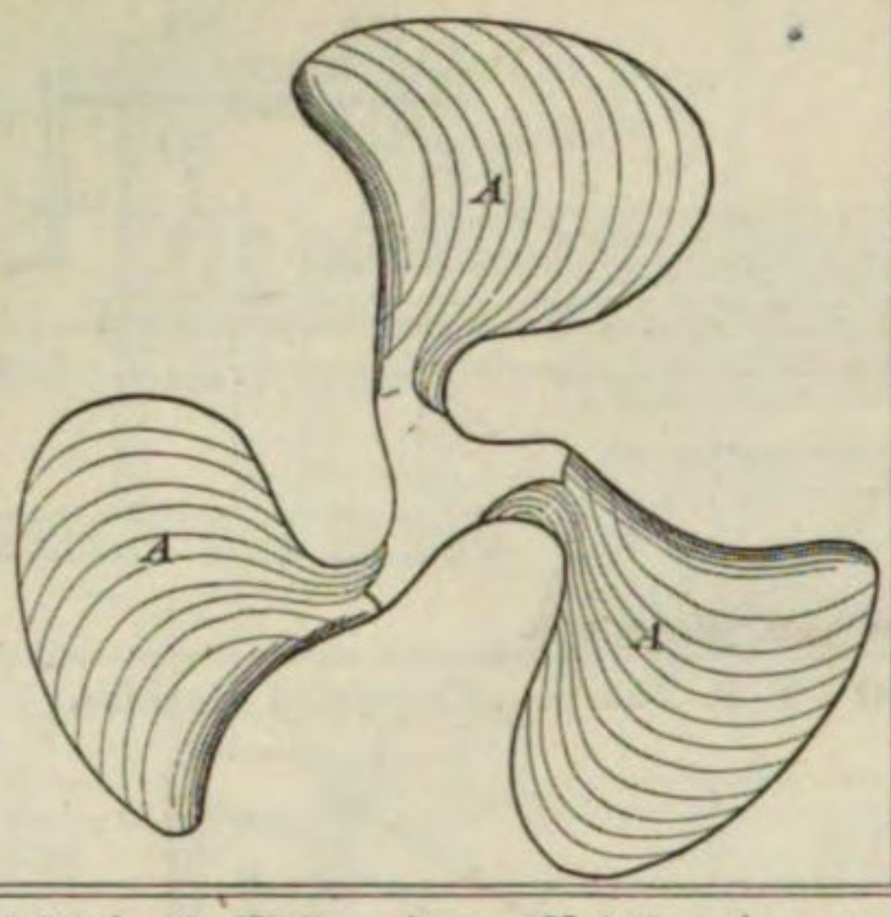
53898—E. F. Sutton—*Lamp Cleaner.*



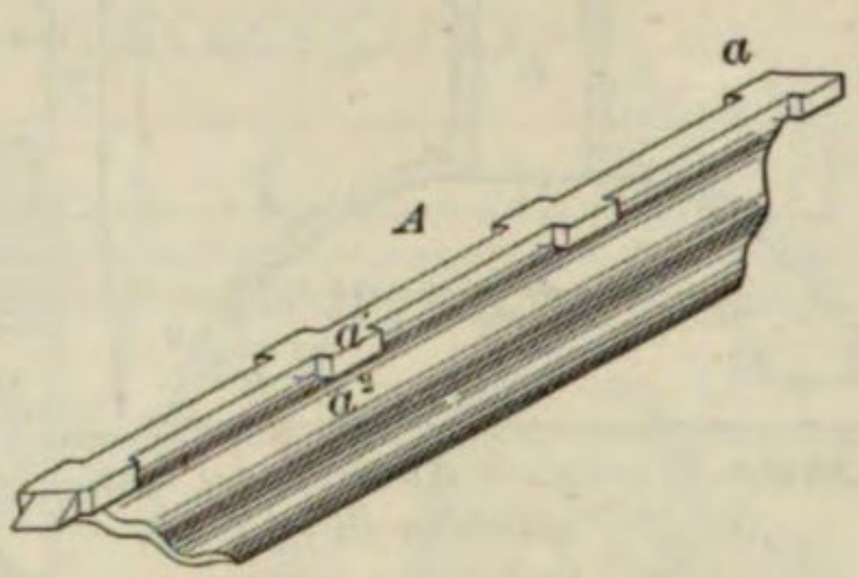
53901—A. Tiensch—*Cotton Picking Machine.*



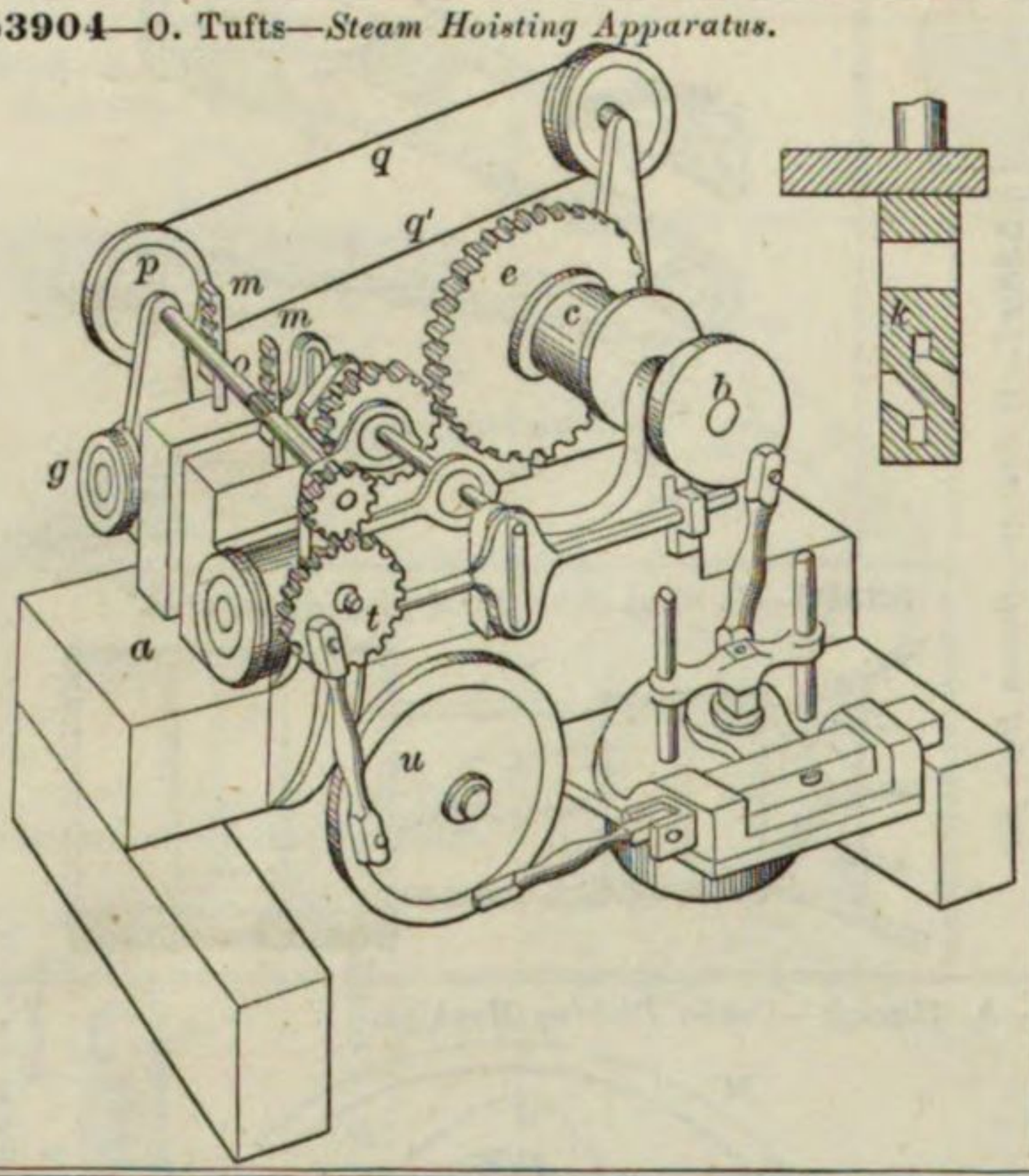
53902—T. Tripp—*Propeller Wheel.*



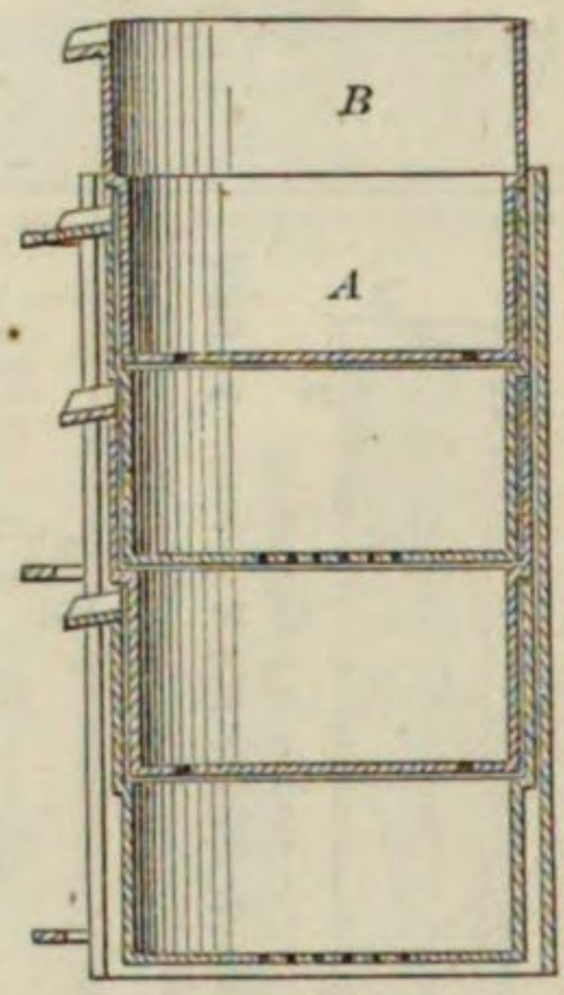
53903—G. O. Tupper—*Furnace Grate Bar.*



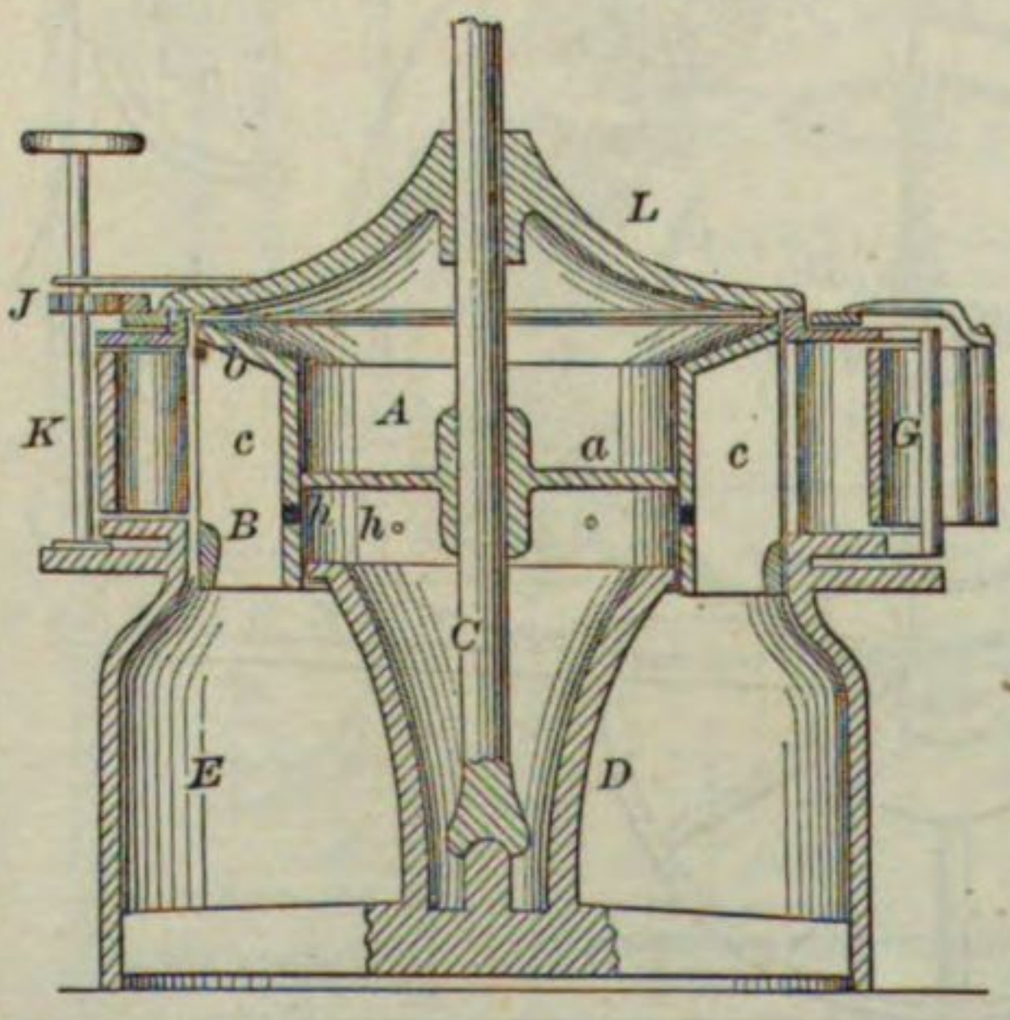
53904—O. Tufts—*Steam Hoisting Apparatus.*



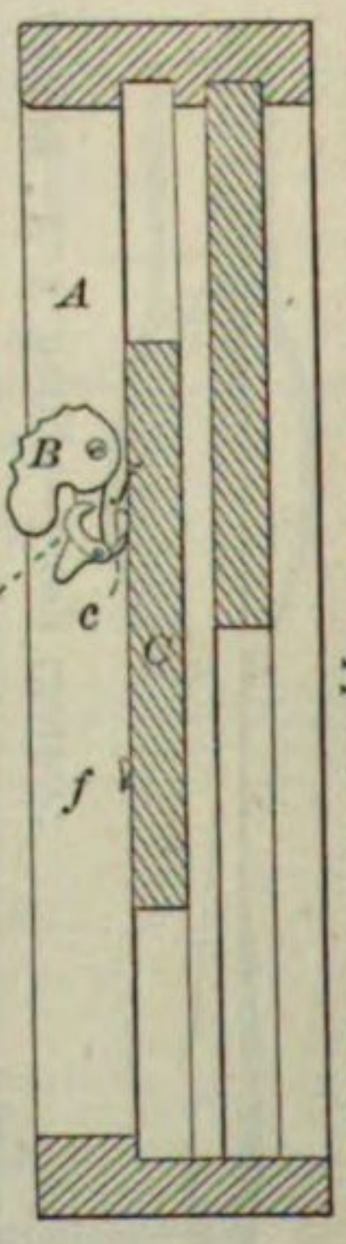
53905—P. H. V. Weyde—*Percolator.*



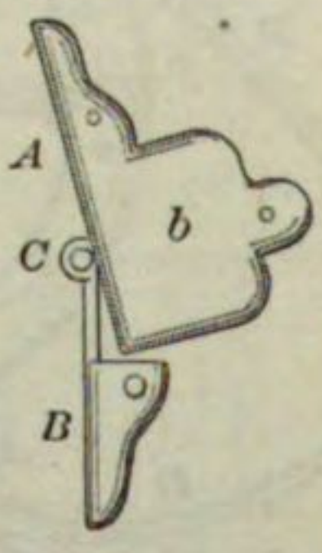
53906—H. V. Dewater—*Water Wheel.*



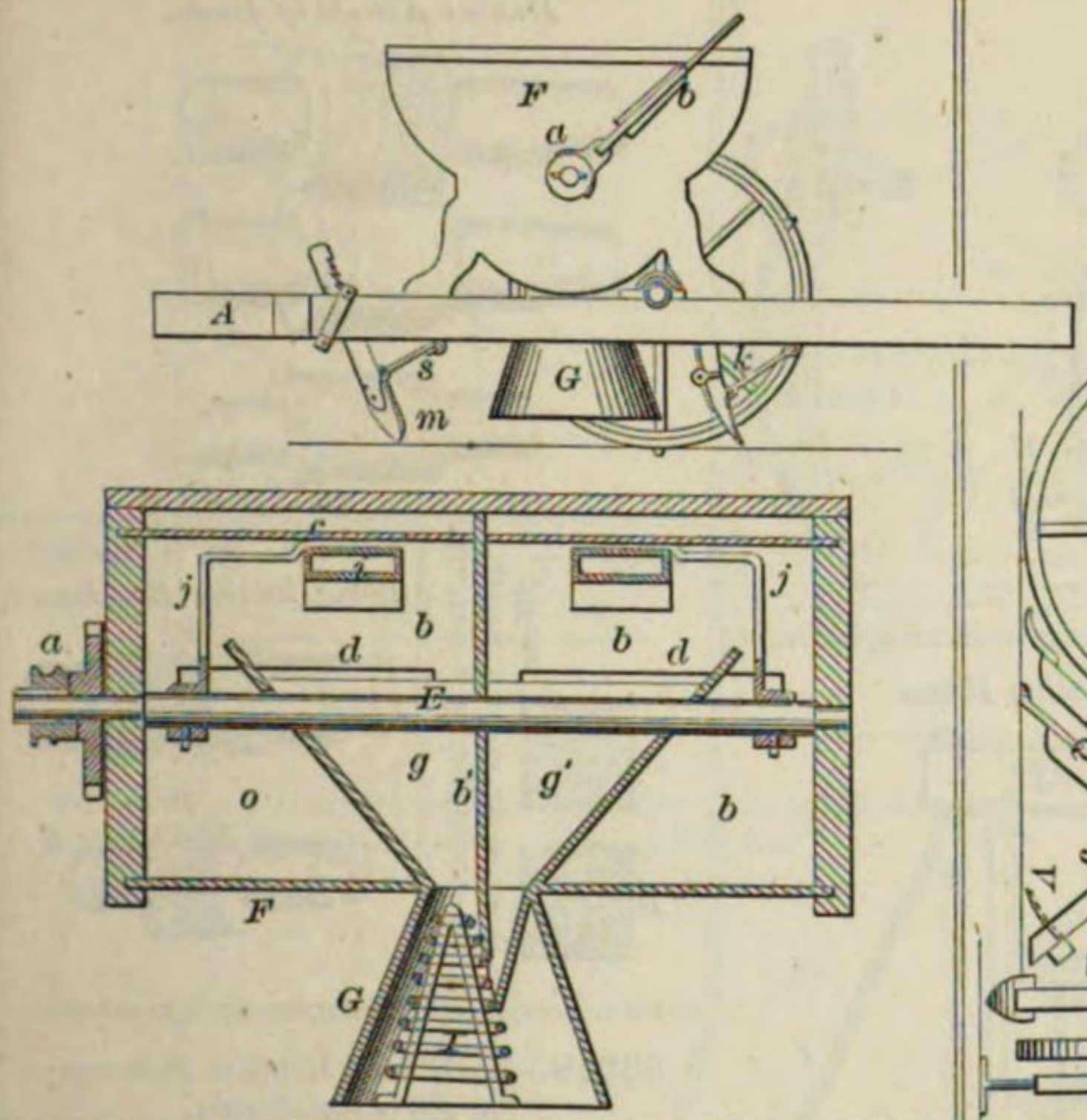
53907—I. H. Wait—*Sash Supporter and Fastener.*



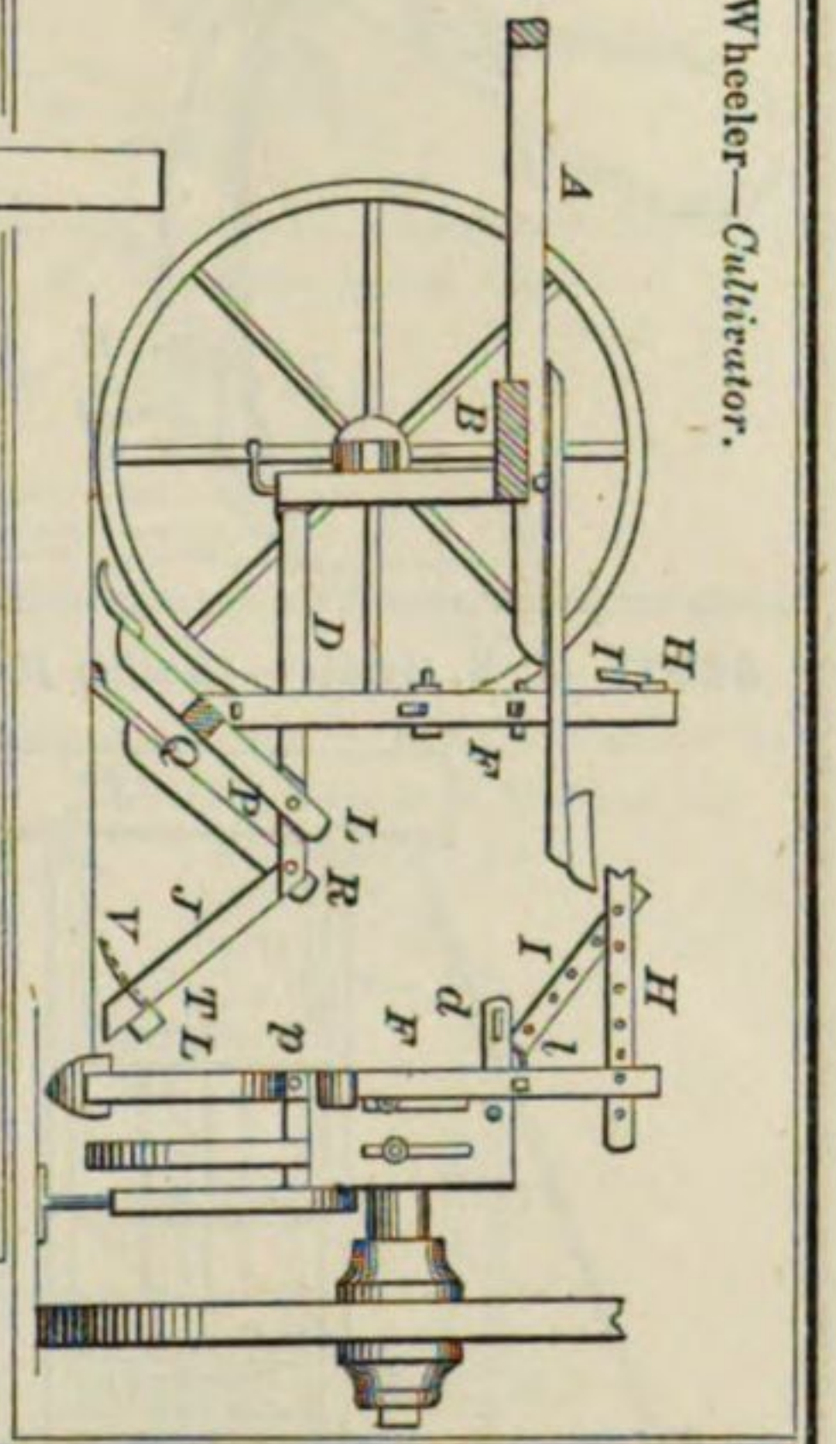
53908—Wakenshaw & Dunham—*Trunk Hinge.*



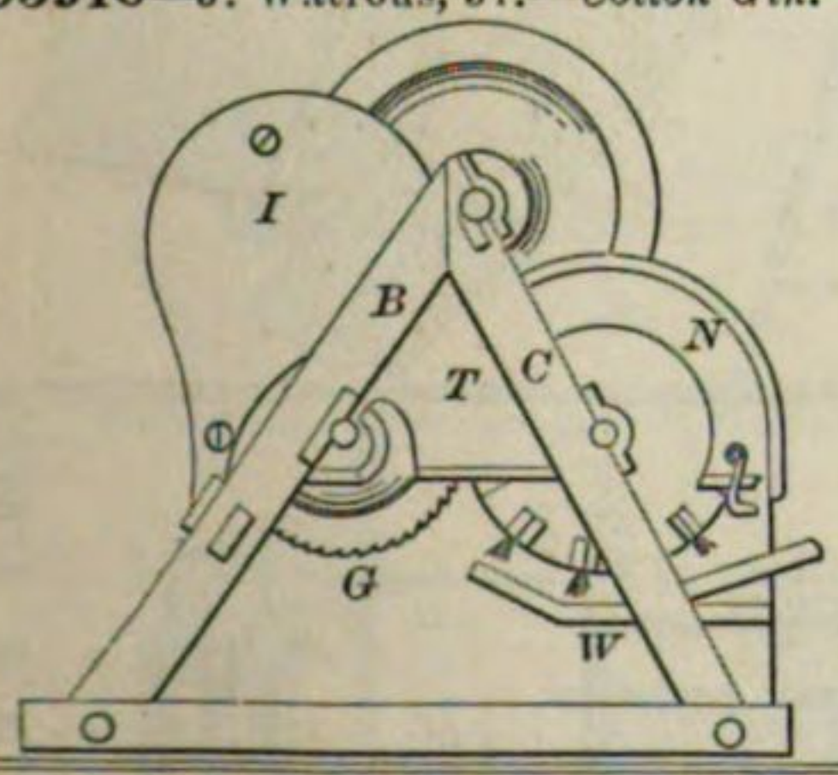
53909—Z. D. Waters—*Seeding Machine.*



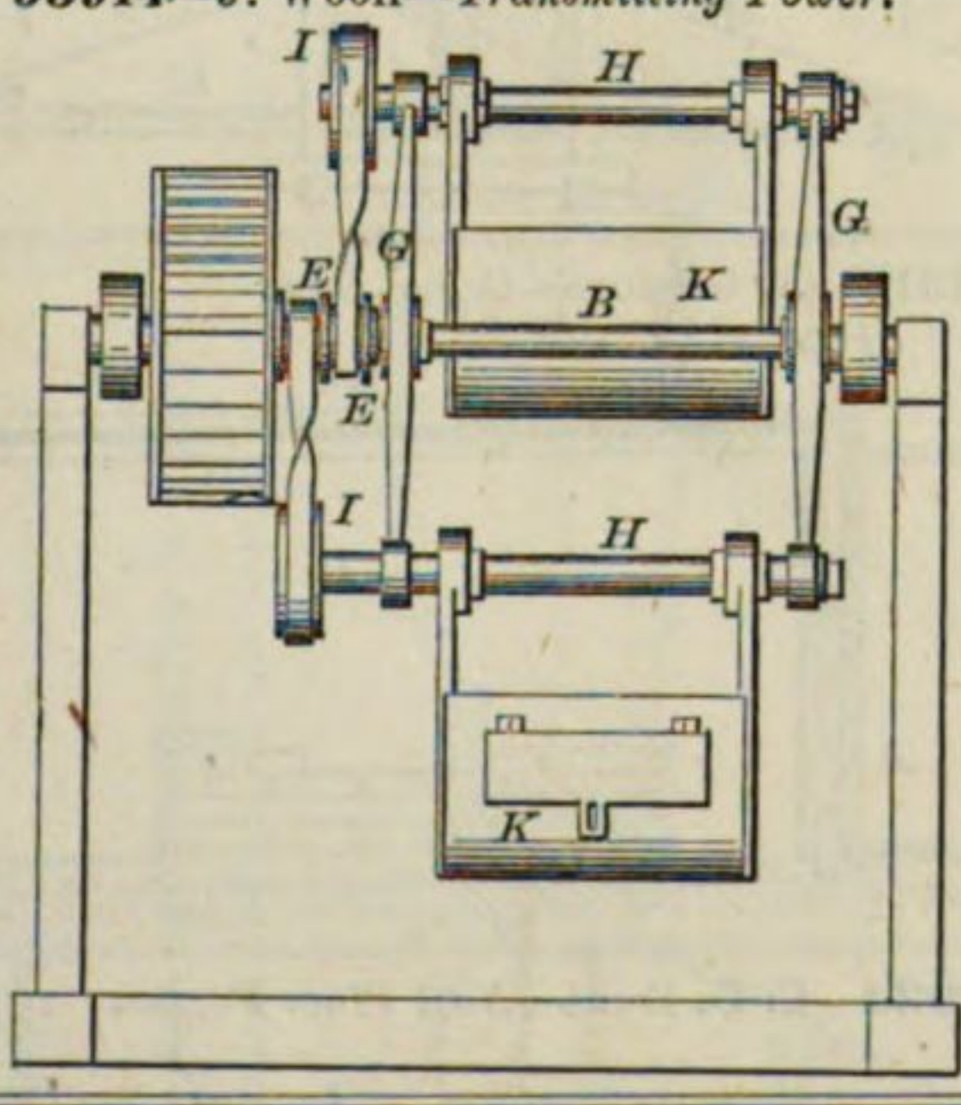
53911—E. P. Wheeler—*Cultivator.*



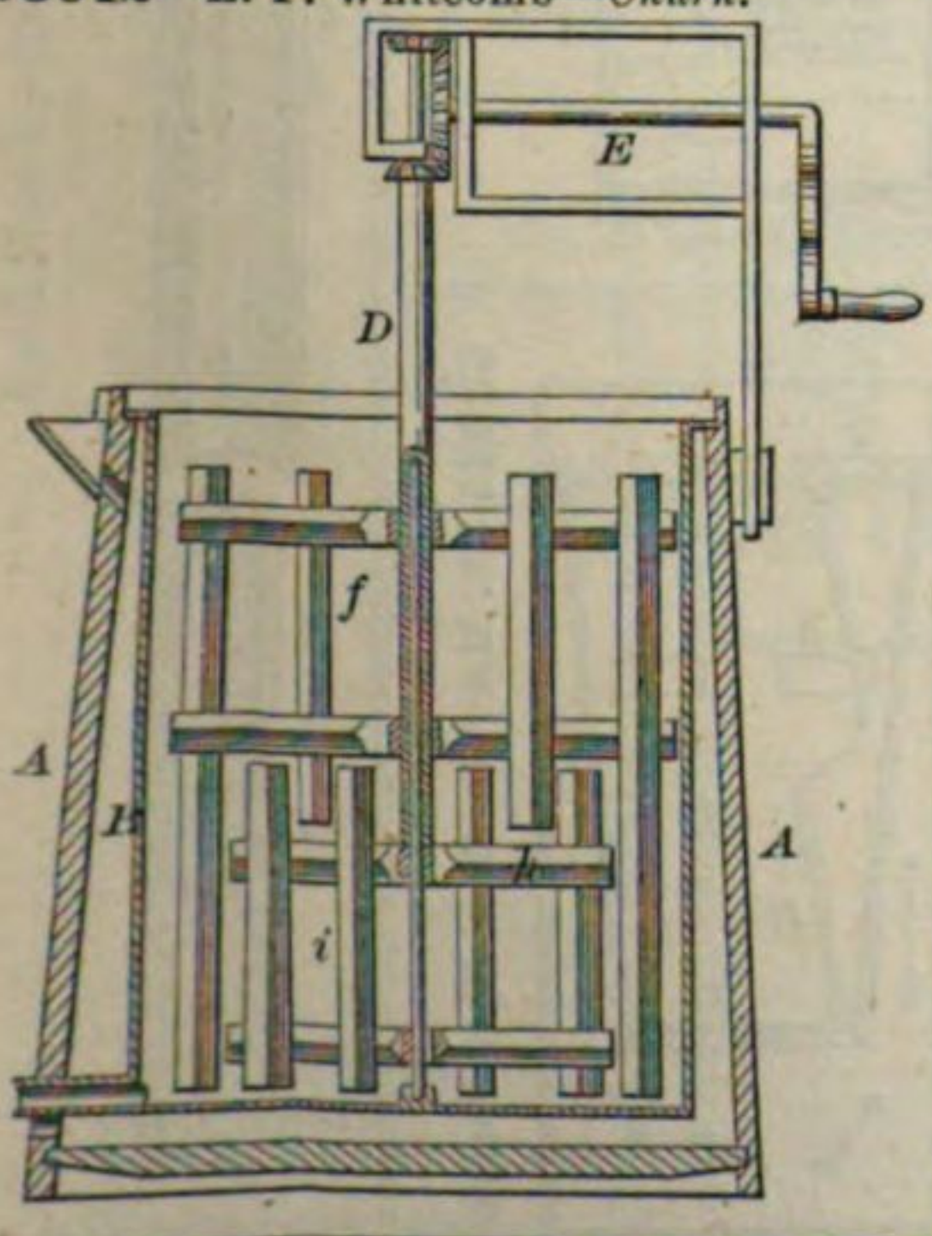
53910—J. Watrous, Jr.—*Cotton Gin.*



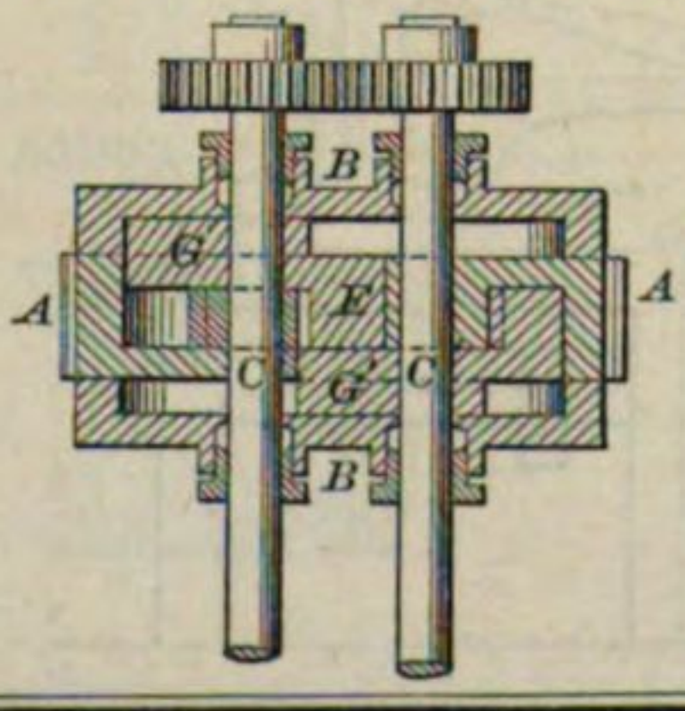
53914—J. Woolf—*Transmitting Power.*



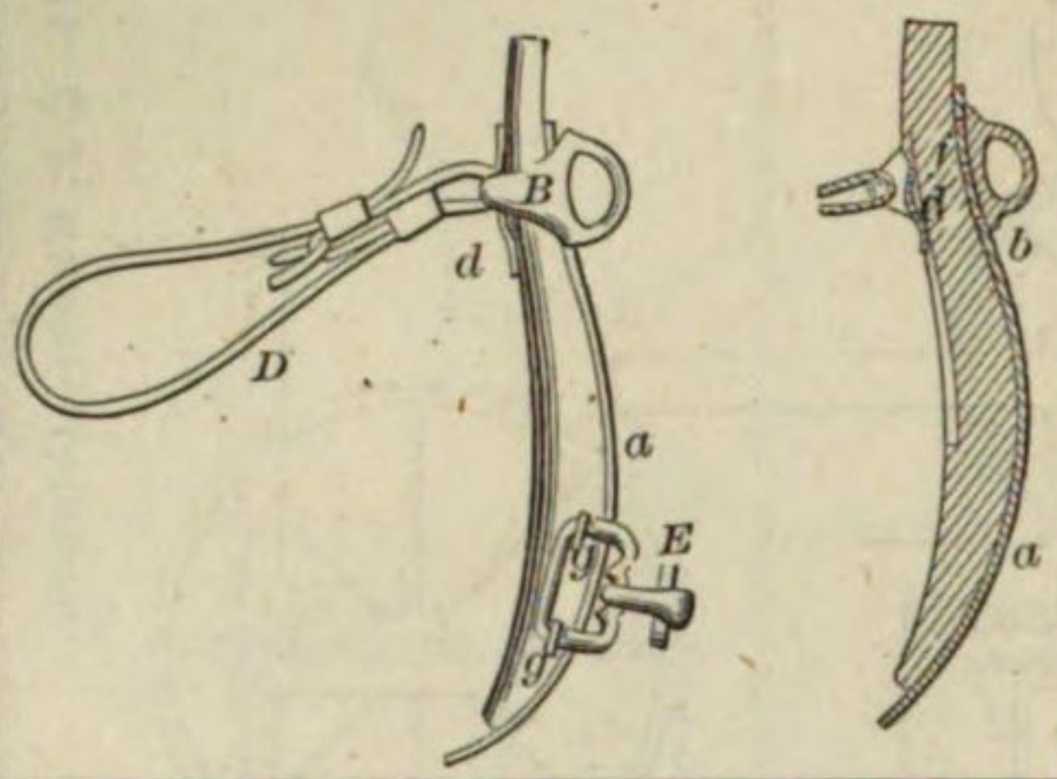
53912—E. P. Whitcomb—*Churn.*



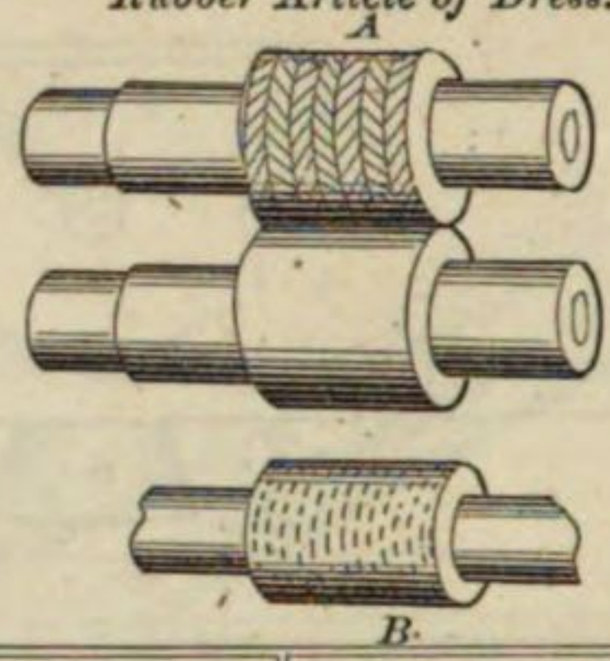
53915—H. I. Behrens—*Rotary Engine.*



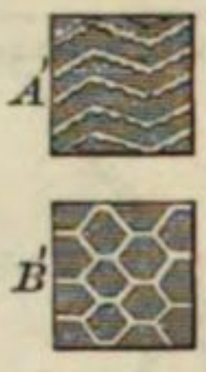
53916—J. E. Brown—*Hame for Horse Collars.*



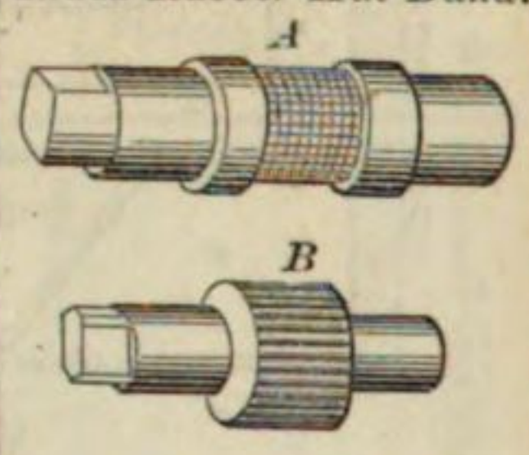
53921—Halsey & Fitzgibbons—*Hard Rubber Article of Dress.*



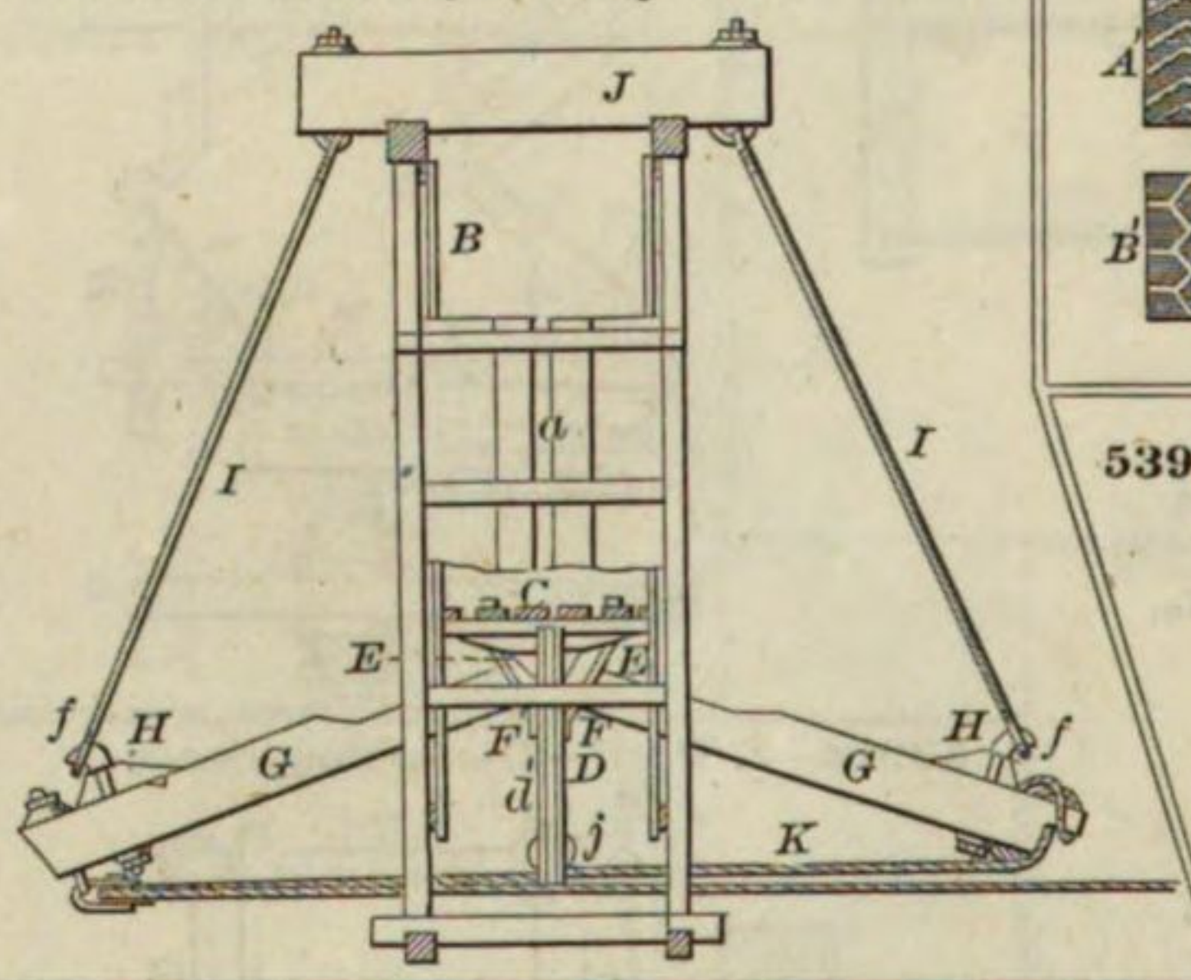
53922—Halsey & Fitzgibbons—*Hard Rubber Articles of Dress.*



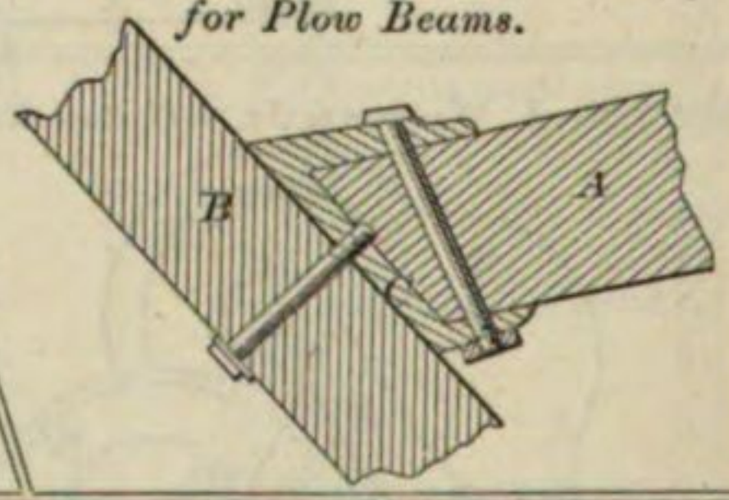
53920 W. H. Halsey—*India Rubber Hat Band.*



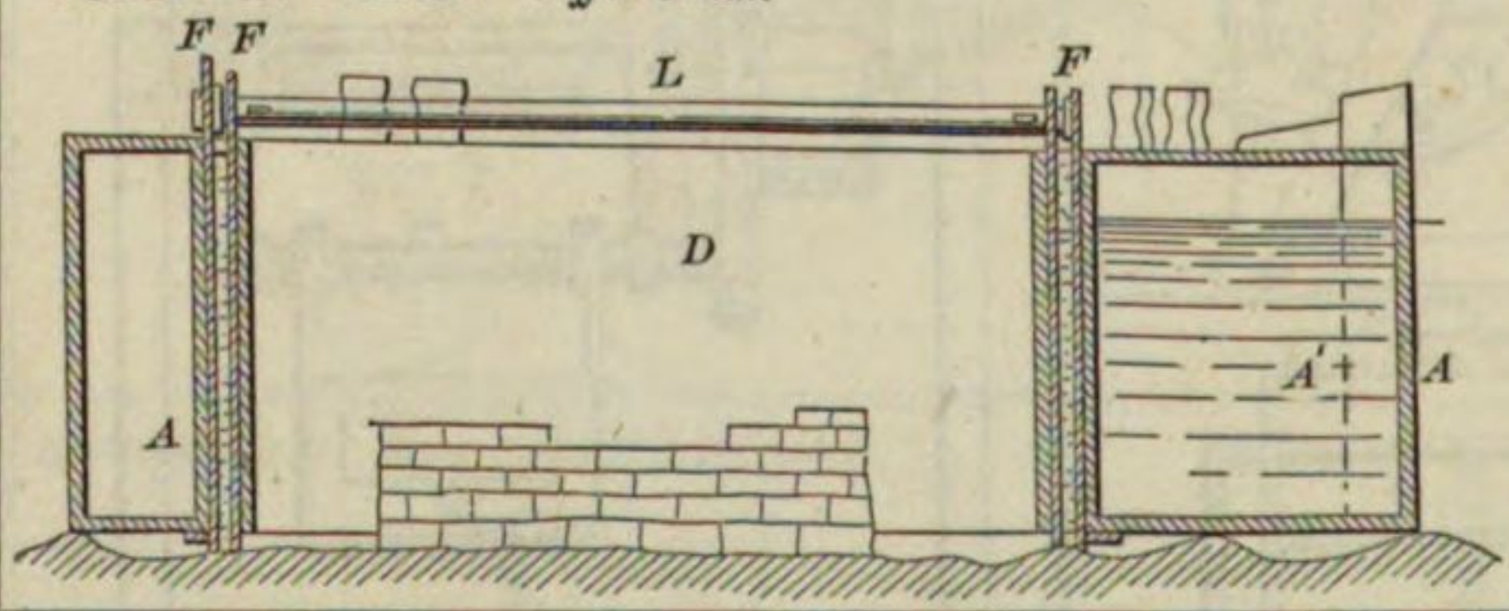
53917—J. B. Gridley—*Baling Press.*



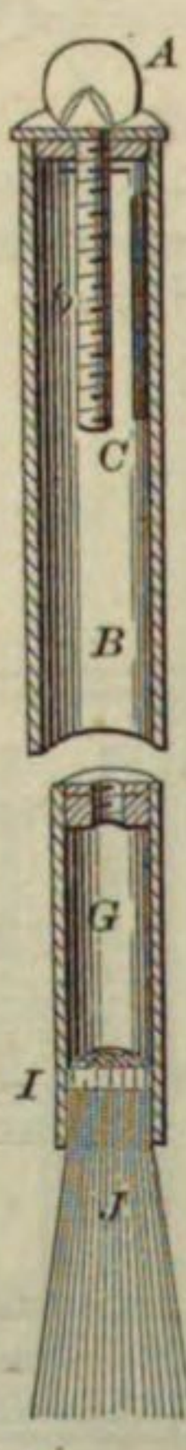
53918—L. Gibbs—*Metallic Fastening for Plow Beams.*



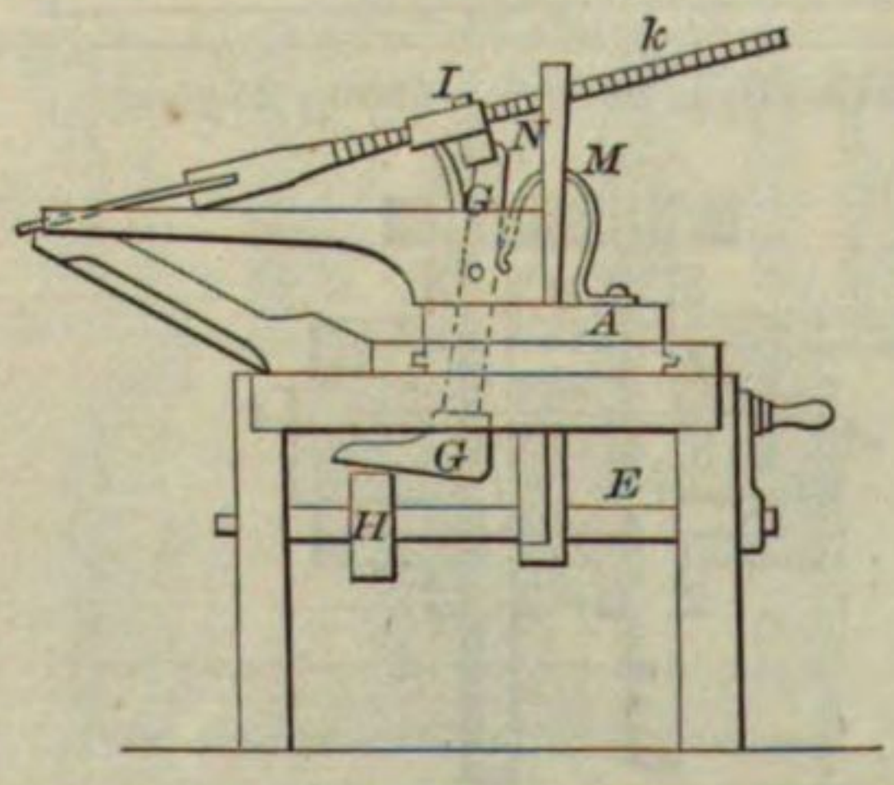
53919—A. Gilmore—*Coffer Dam.*



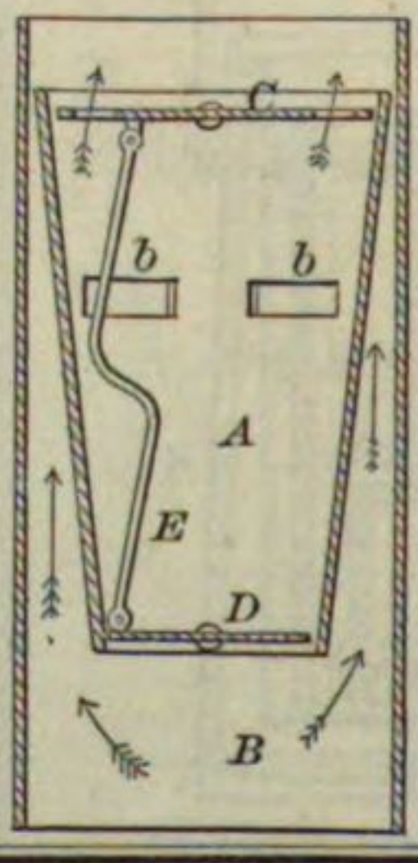
53923—D. K. Herr—*Stencil Brush.*



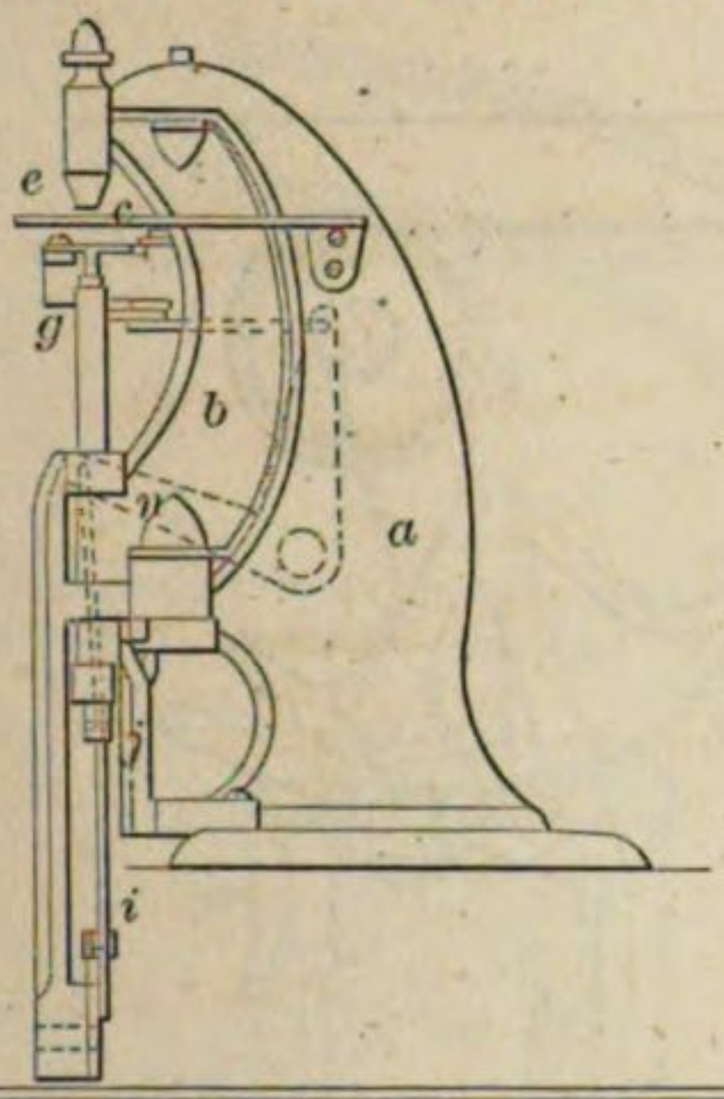
53924—C. D. Hunt—*Nail Plate Feeder.*



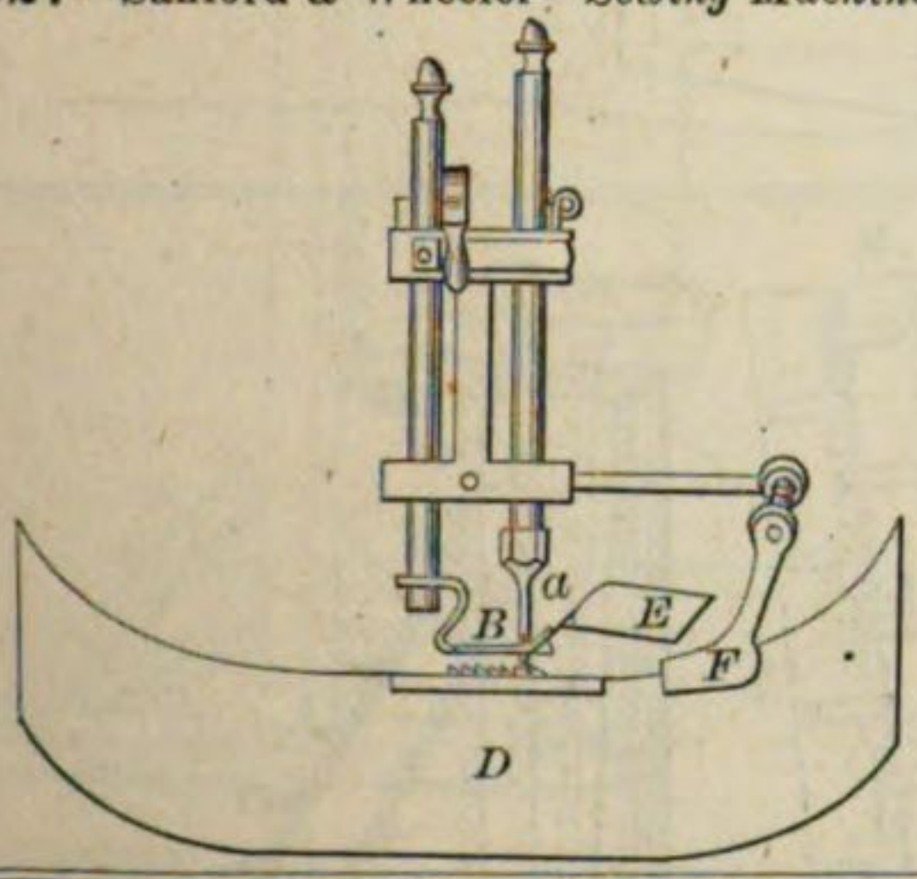
53925—S. Marvin—*Stove Pipe Damper.*



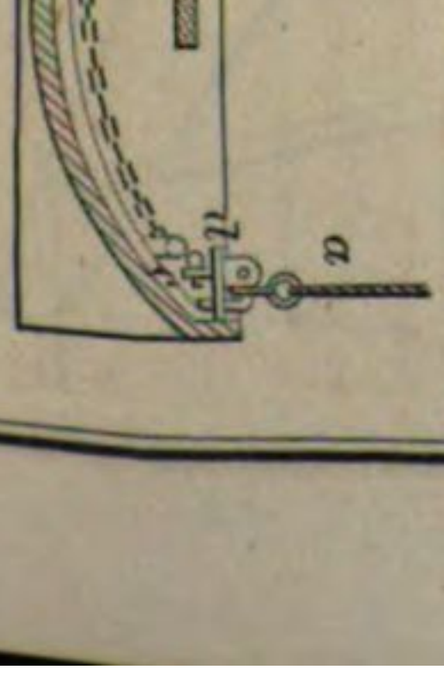
53926—A. A. Reed—*Eyleting Machine*



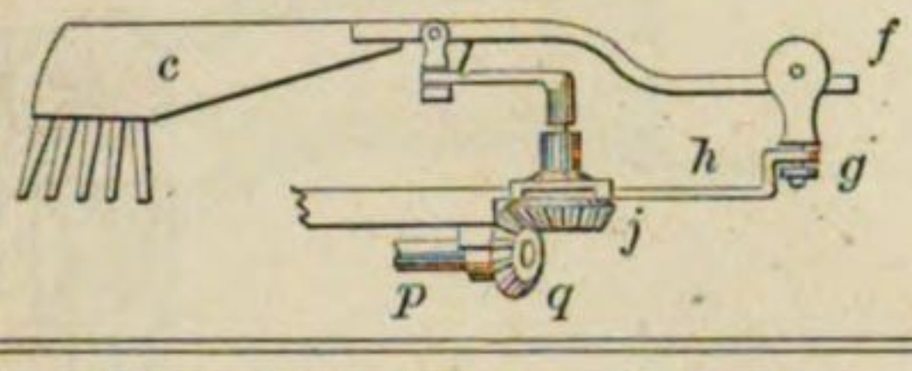
53927—Sanford & Wheeler—*Sewing Machine*



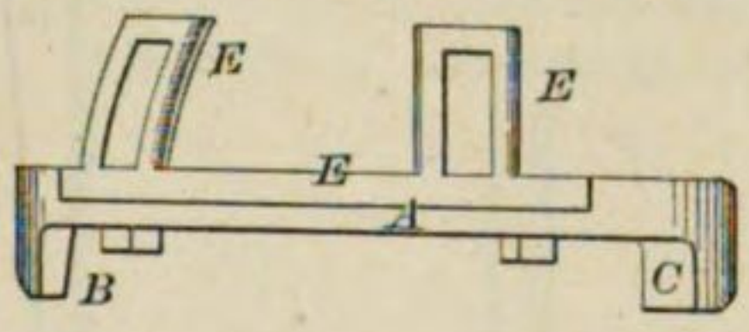
53928—Sheffield & Palmer—*Device for Detaching Boats from Davits.*



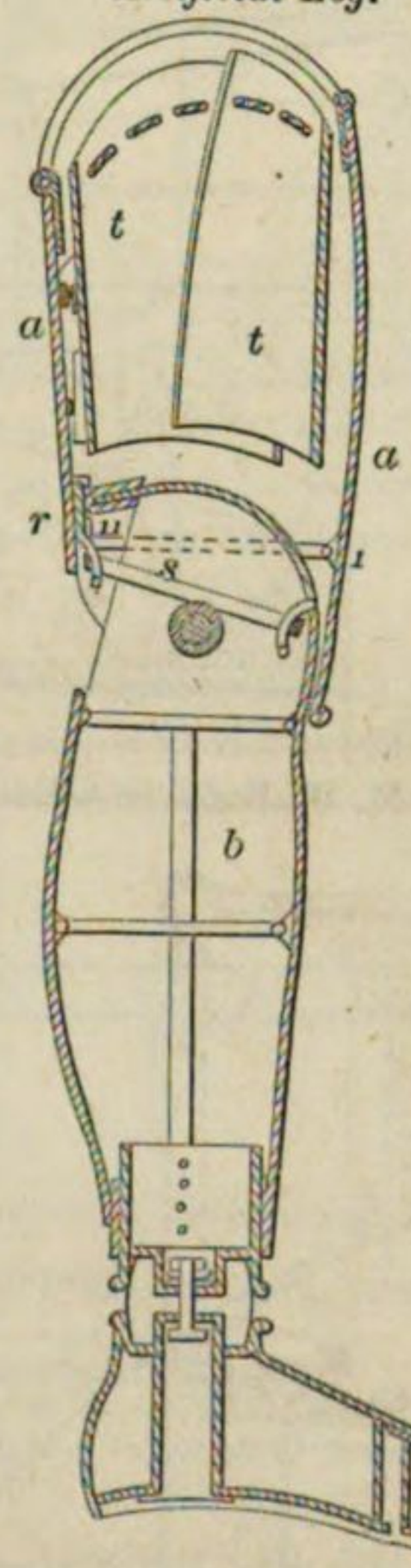
53929—T. Taylor—*Harvester Rake.*



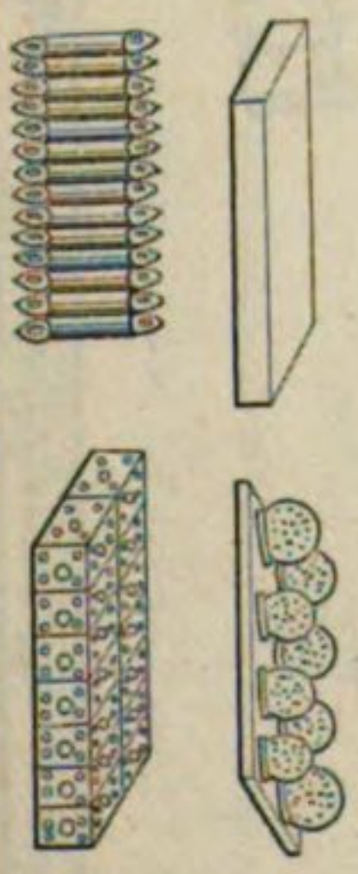
53930—C. M. Werner—*Horse Shoe.*



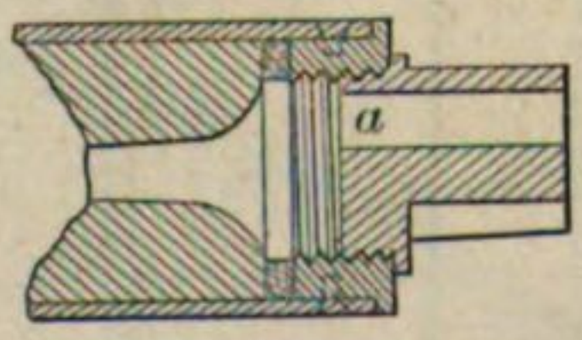
53931—Weston & Buchner—*Artificial Leg.*



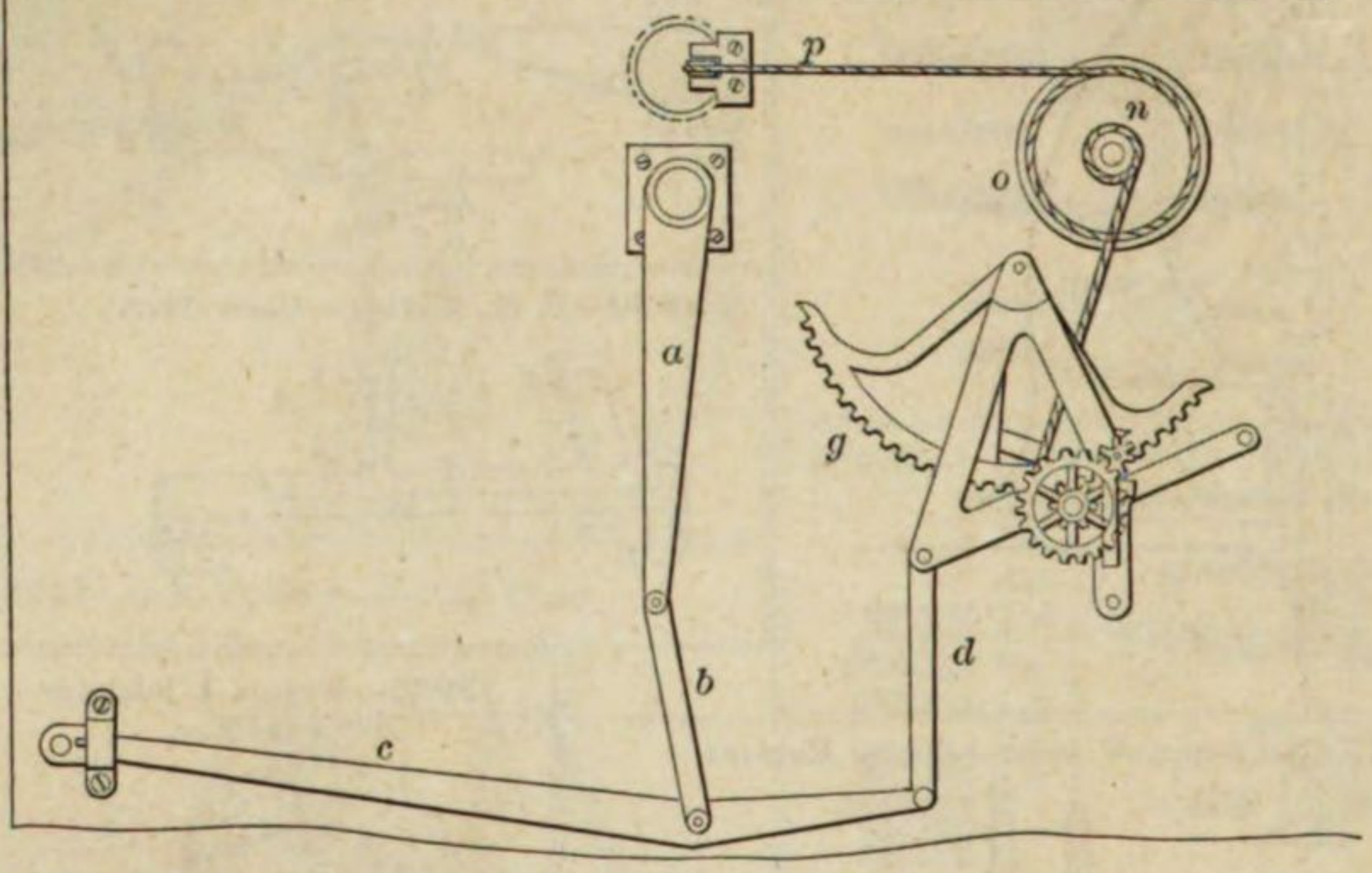
53932—A. Angeline—*Saddle and Harness.*



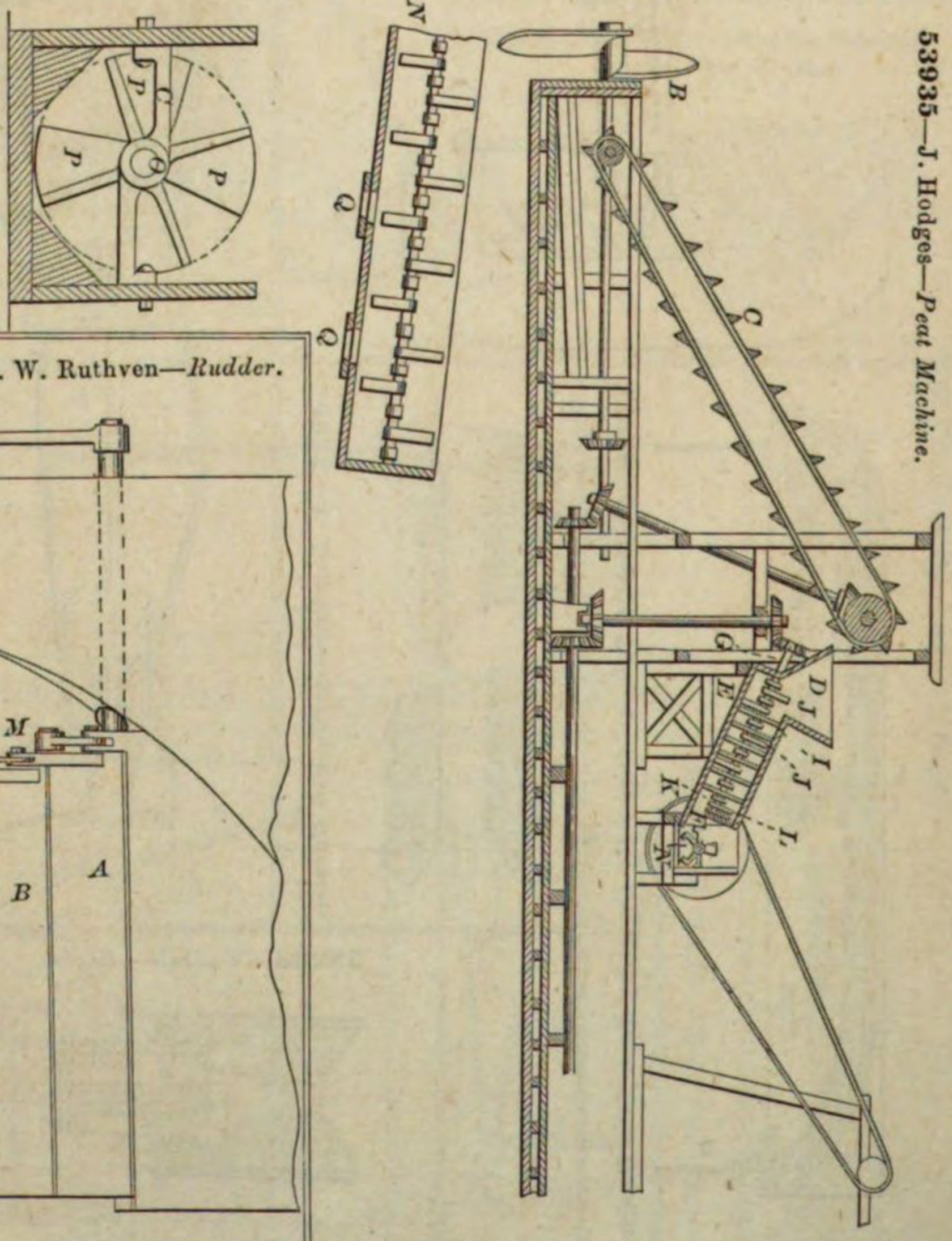
53933—W. Hale—*Rocket.*



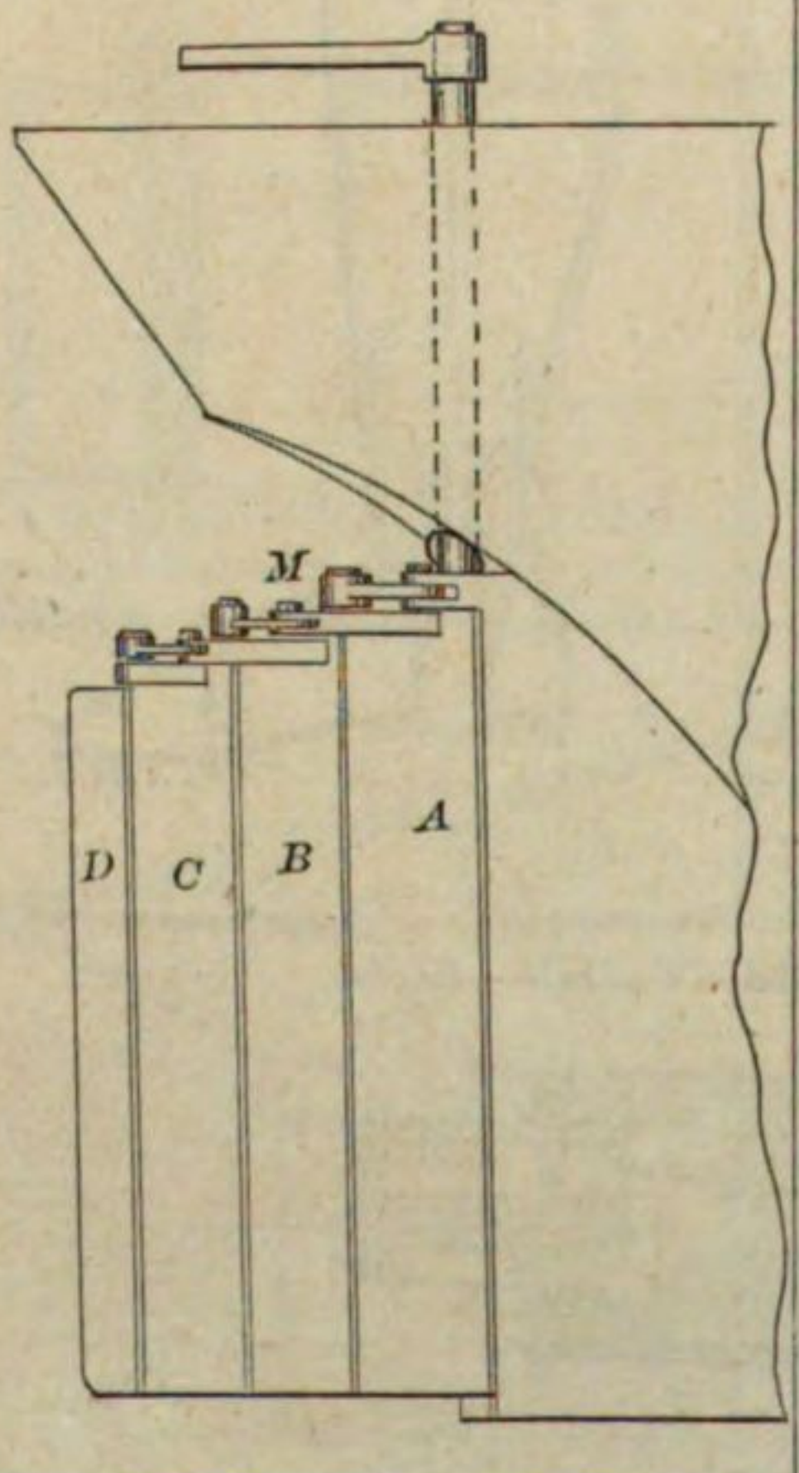
53934—M. W. Ruthven—*Steering Apparatus.*



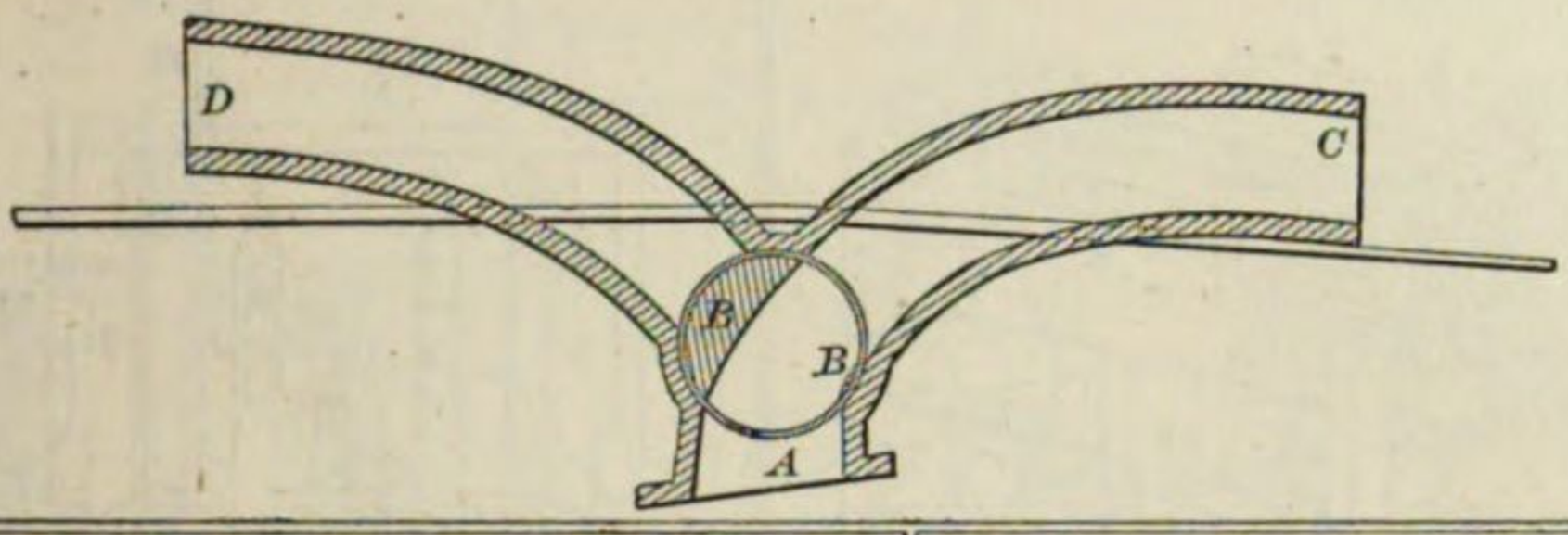
53935—J. Hodges—*Peat Machine.*



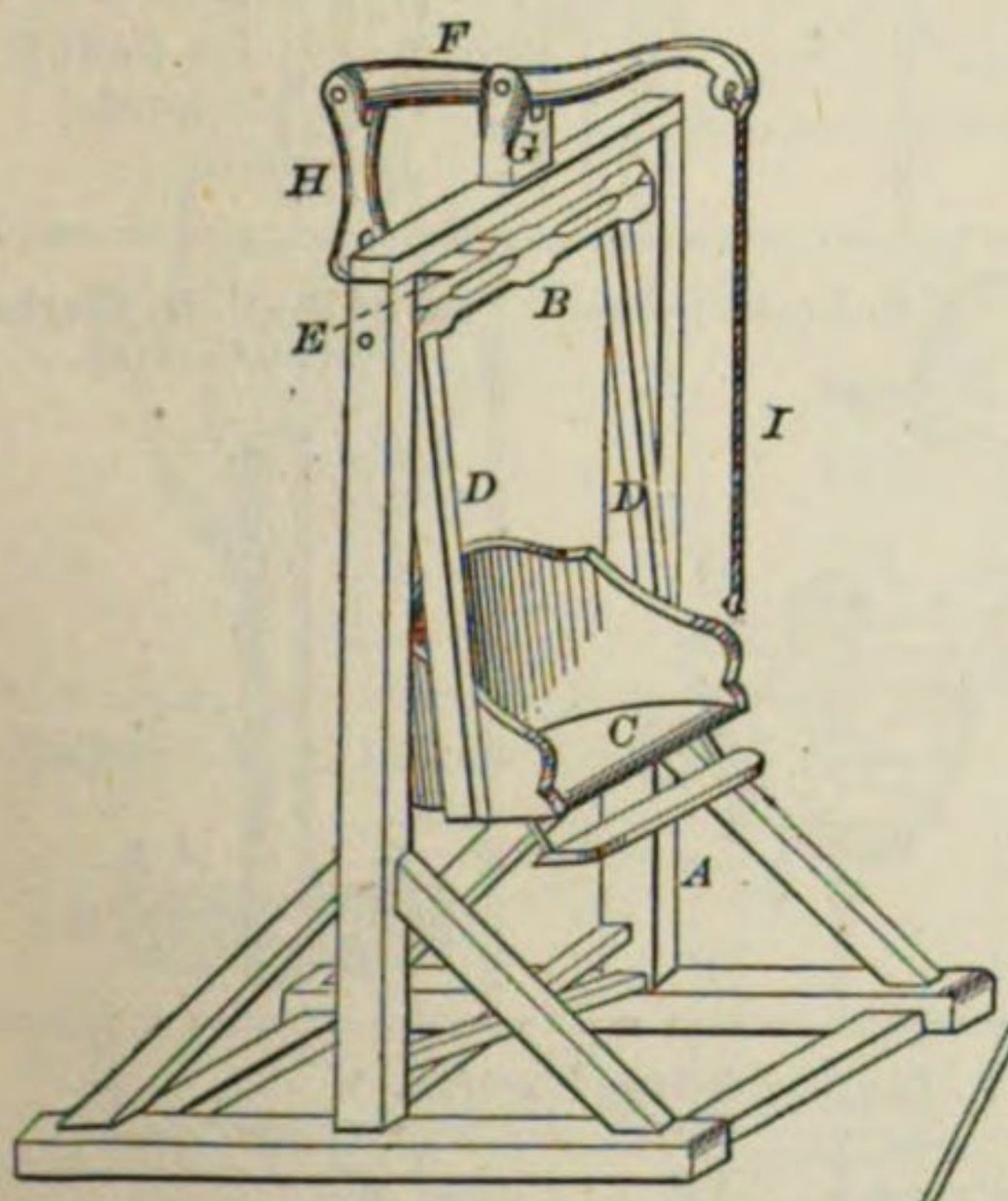
53936—M. W. Ruthven—*Rudder.*



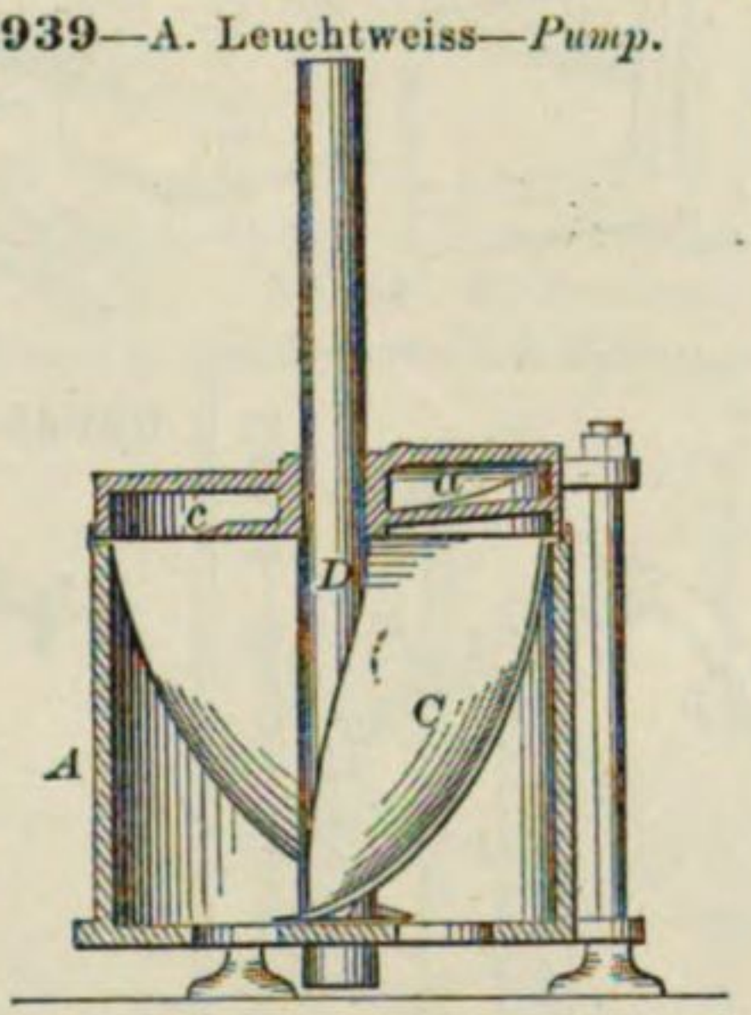
53937—M. W. Ruthven—*Sluice for Propelling Vessels.*



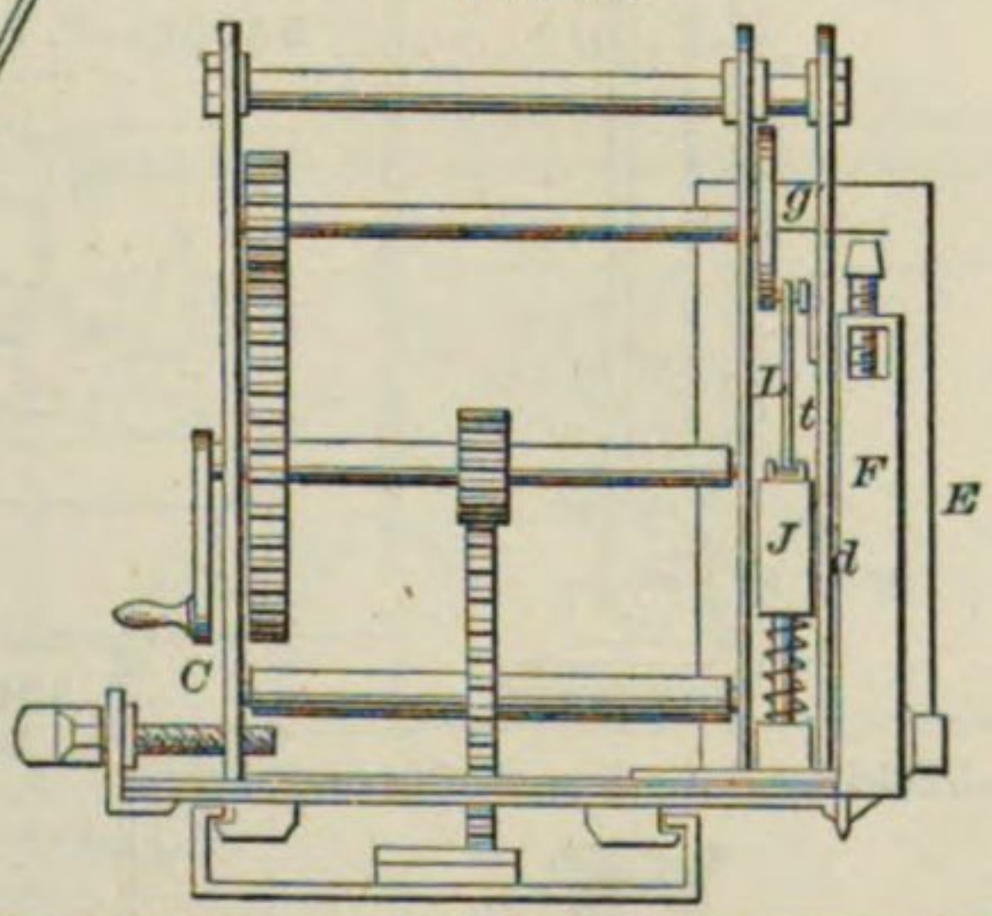
53938—J. F. Hartman—*Swing.*



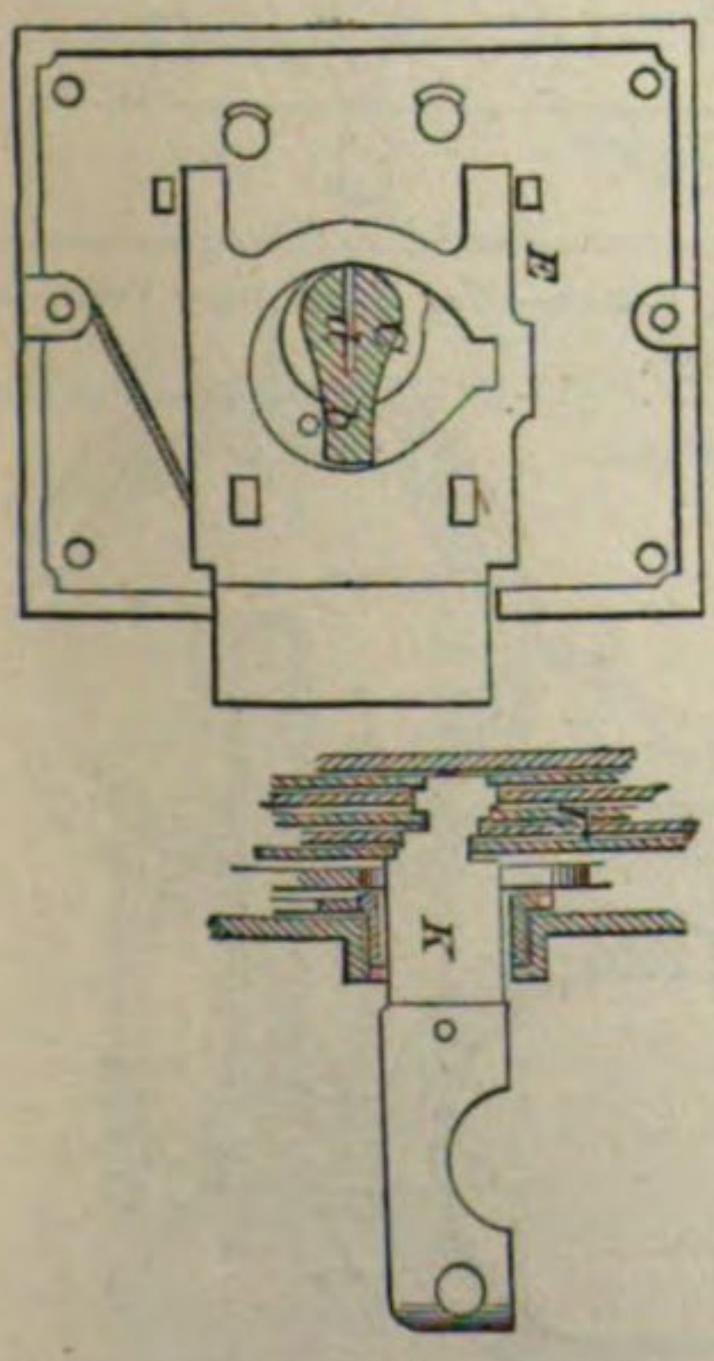
53939—A. Leuchtweiss—*Pump.*



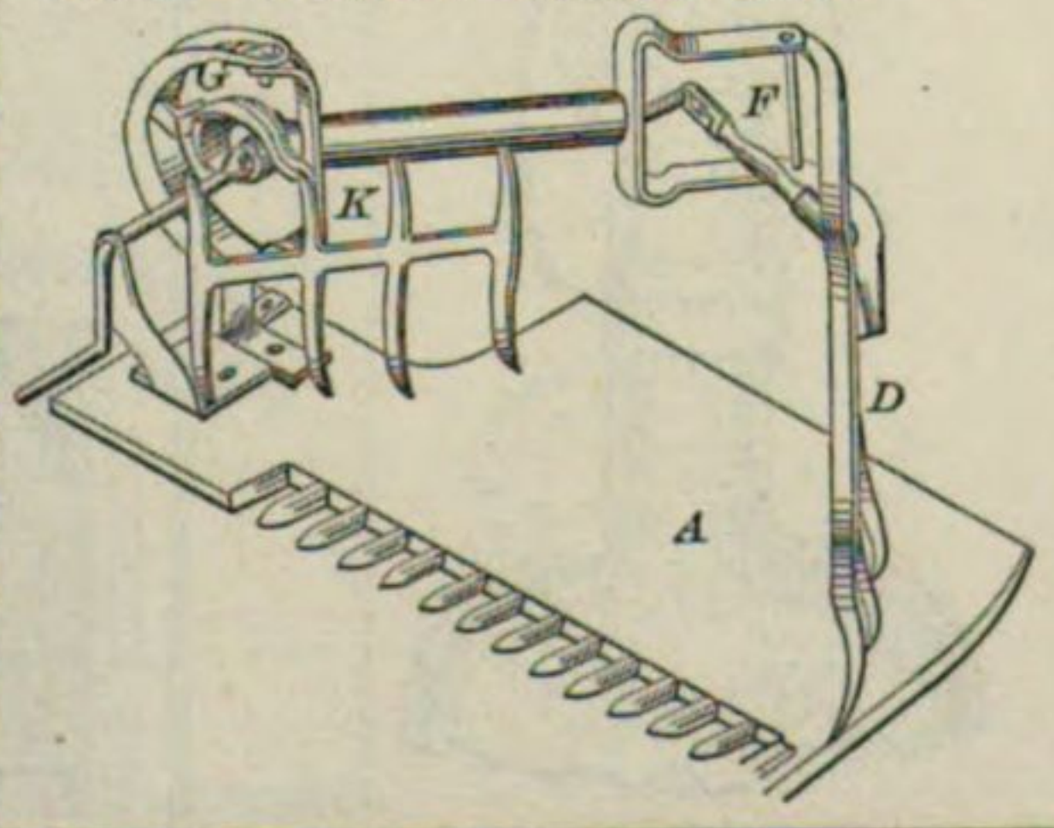
53940—J. Armstrong—*Stone Dressing Machine.*



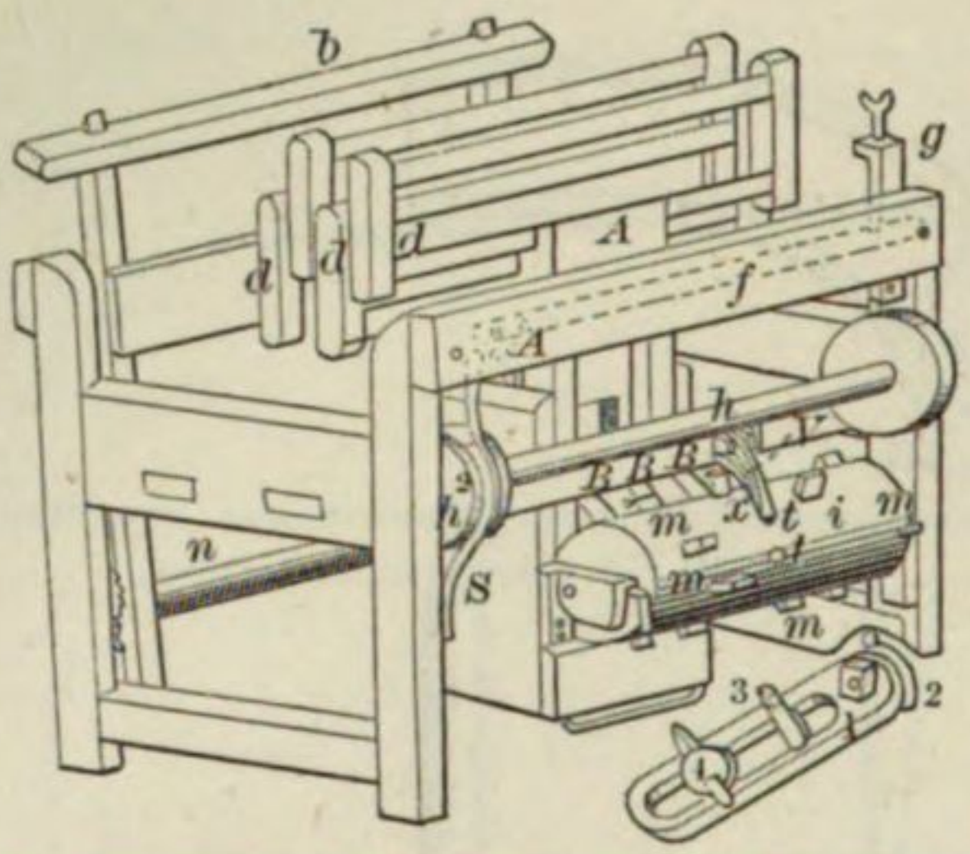
53941—T. A. Auberlin—*Lock.*



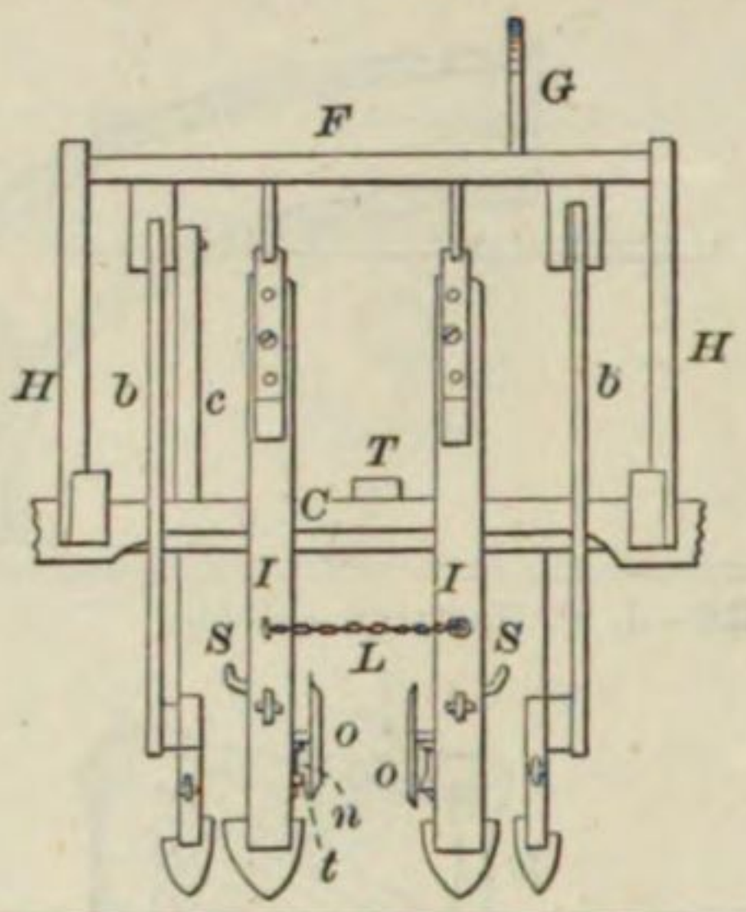
53942—J. Barnes—*Harvester Rake.*



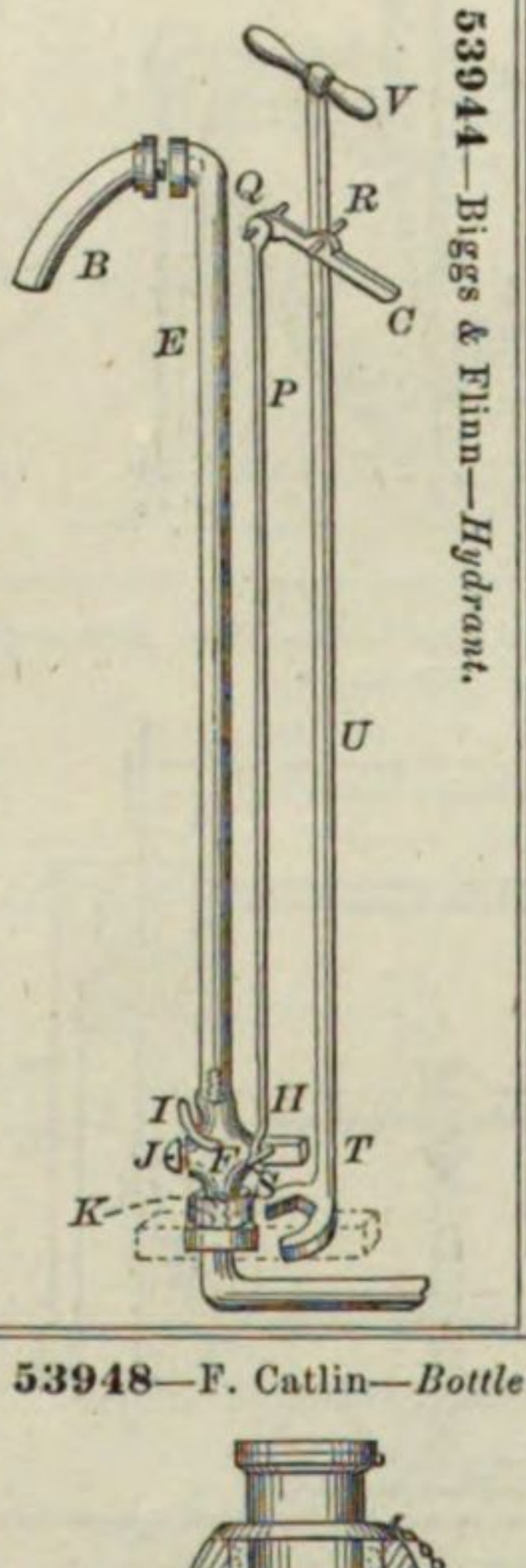
53943—C. F. Bartling—*Loom.*



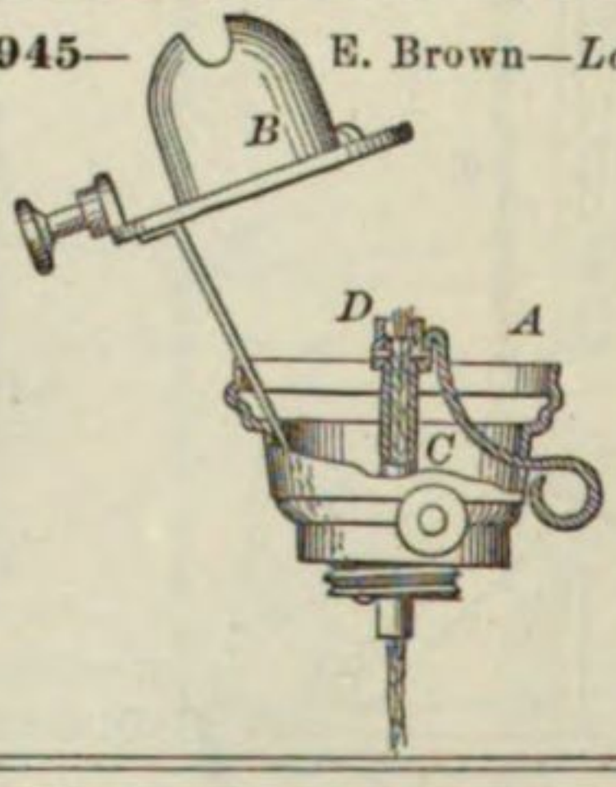
53947—J. Case—*Cultivator.*



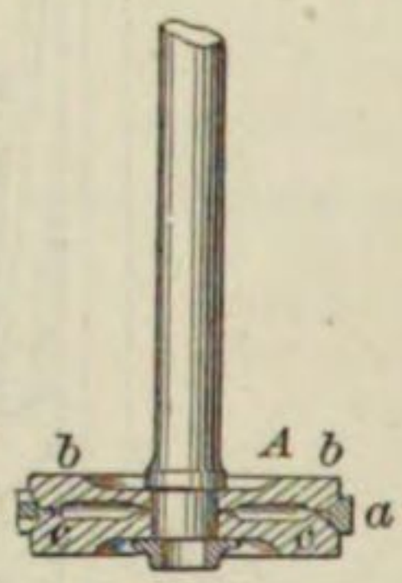
53944—Biggs & Flinn—*Hydrant.*



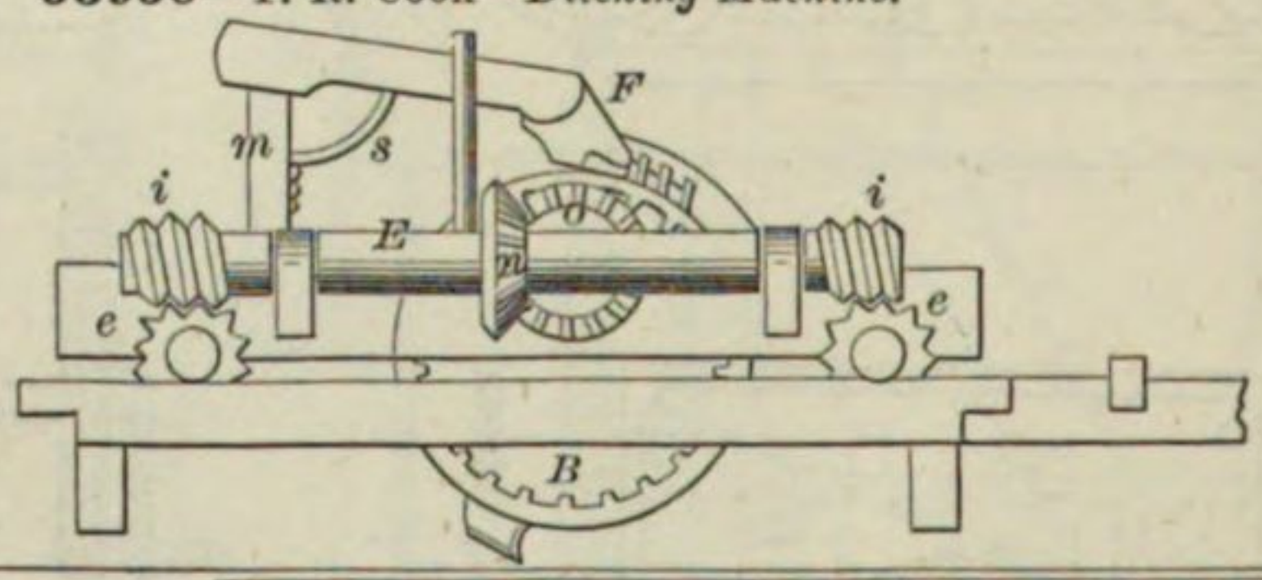
53945—E. Brown—*Lamp.*



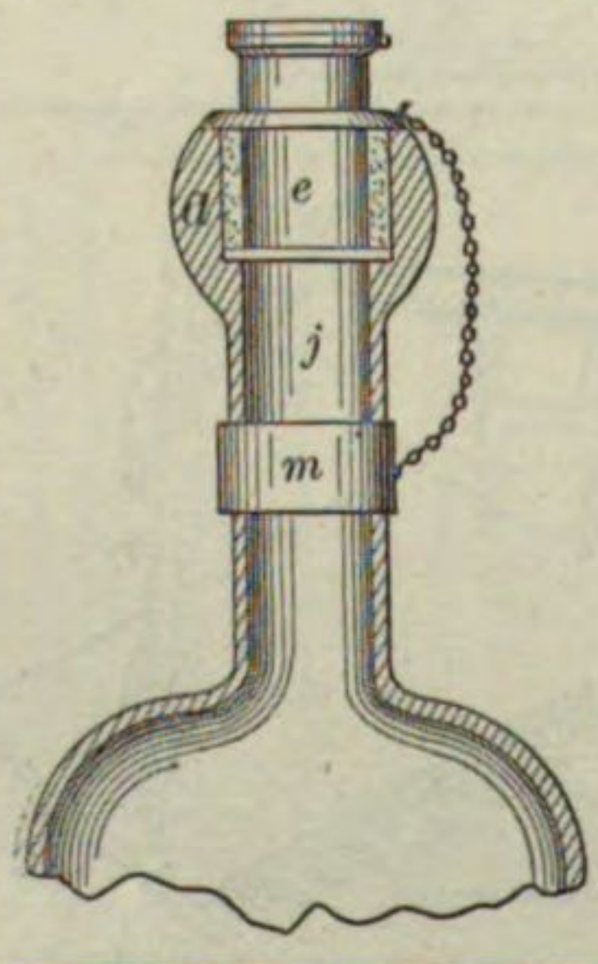
53949—C. H. Clarke—*Piston Packing.*



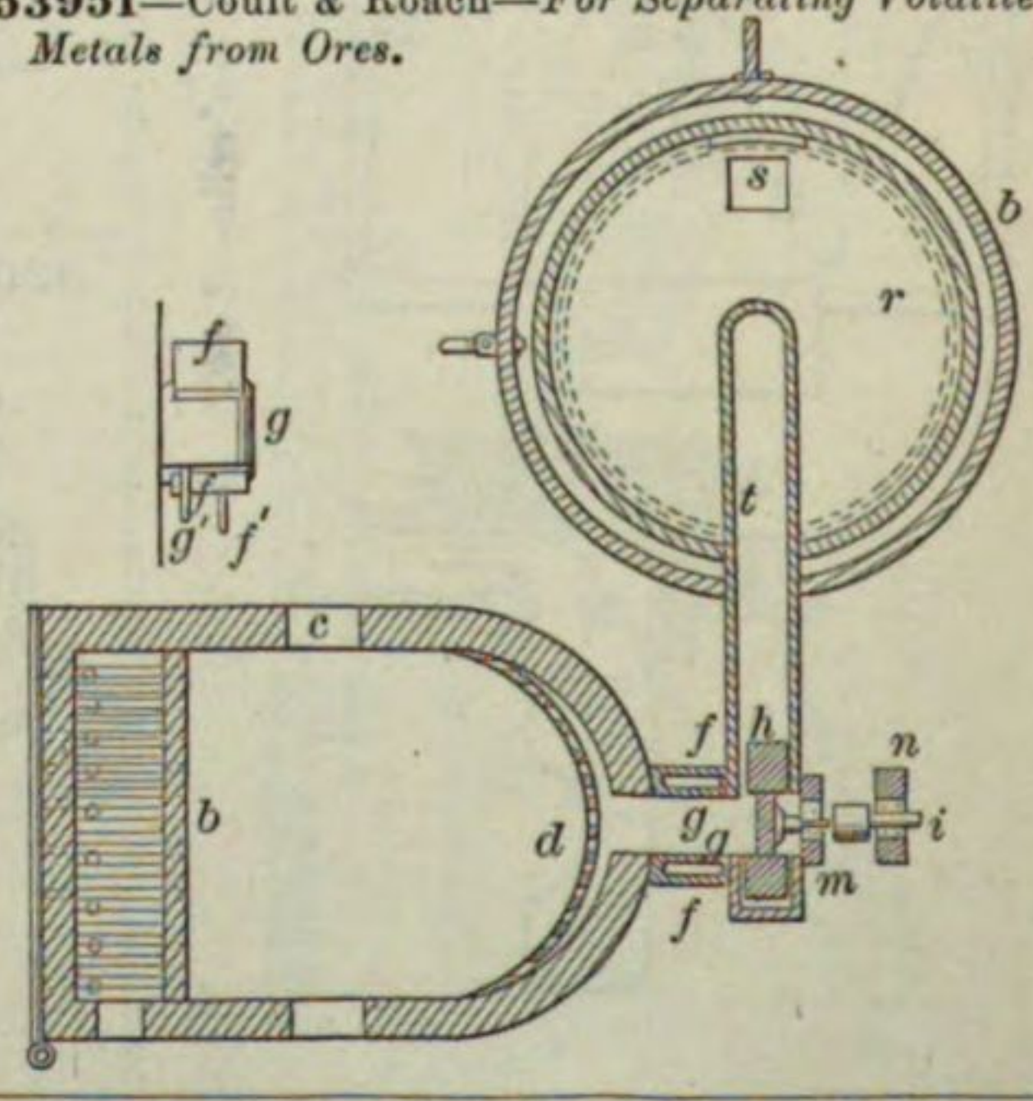
53950—T. R. Cook—*Ditching Machine.*



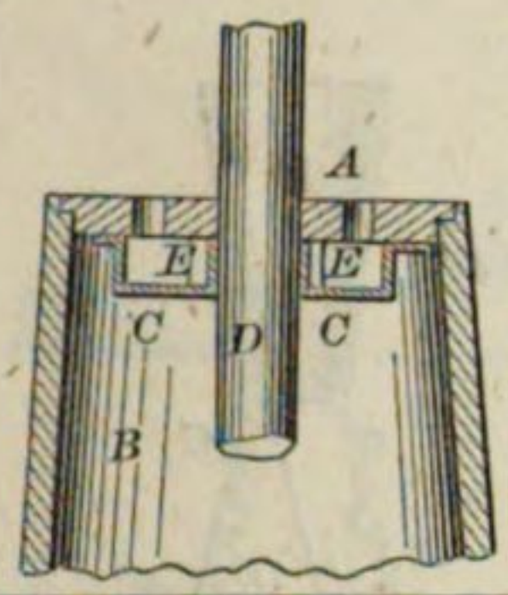
53948—F. Catlin—*Bottle Stopper.*



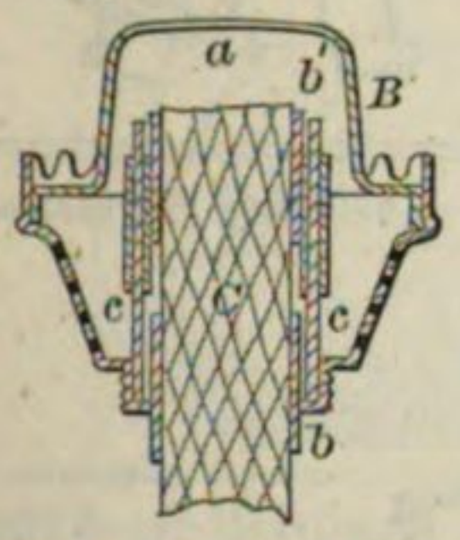
53951—Coult & Roach—*For Separating Volatile Metals from Ores.*

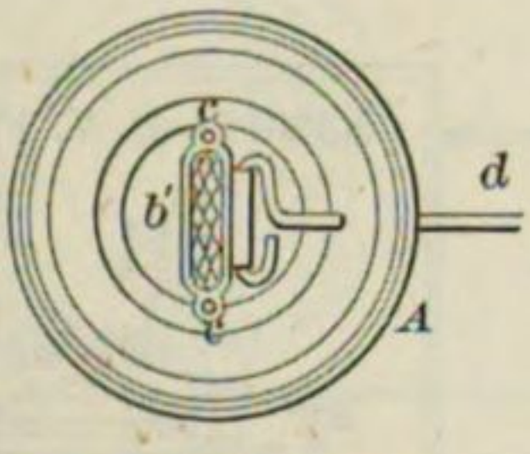


53952—E. Cox—*Churn Top.*

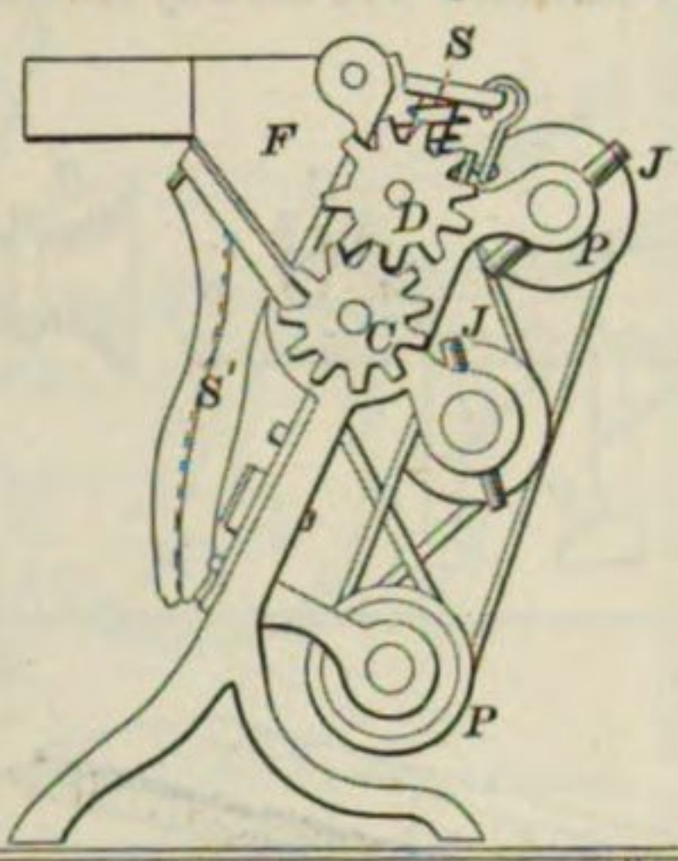


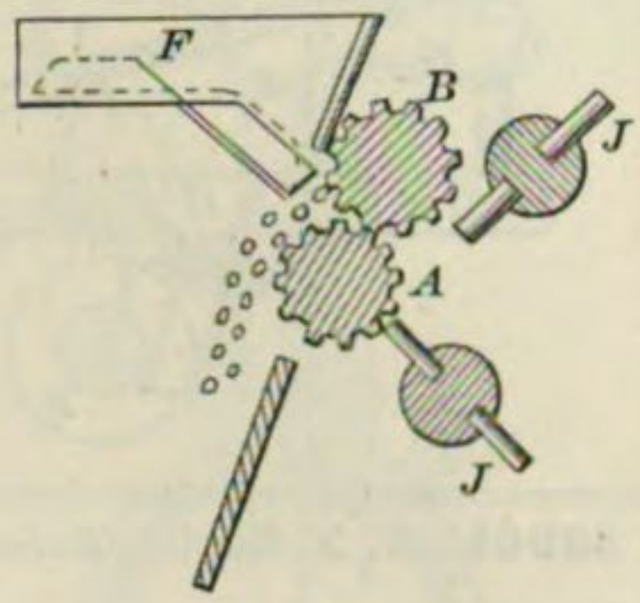
53953—P. Crans, Jr.—*Lamp Burner.*



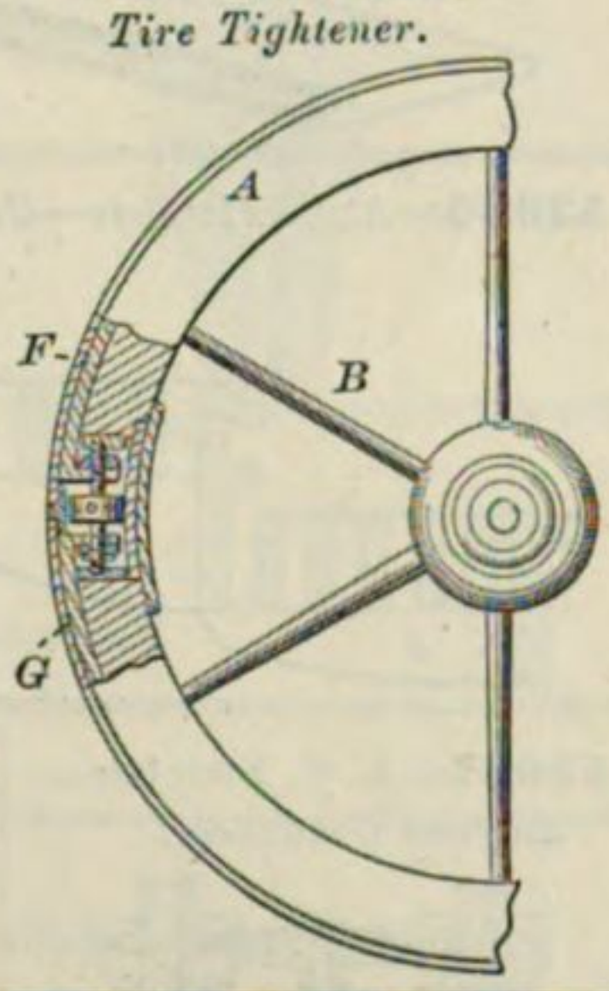


53956—L. Cutting—*Pea and Bean Sheller.*

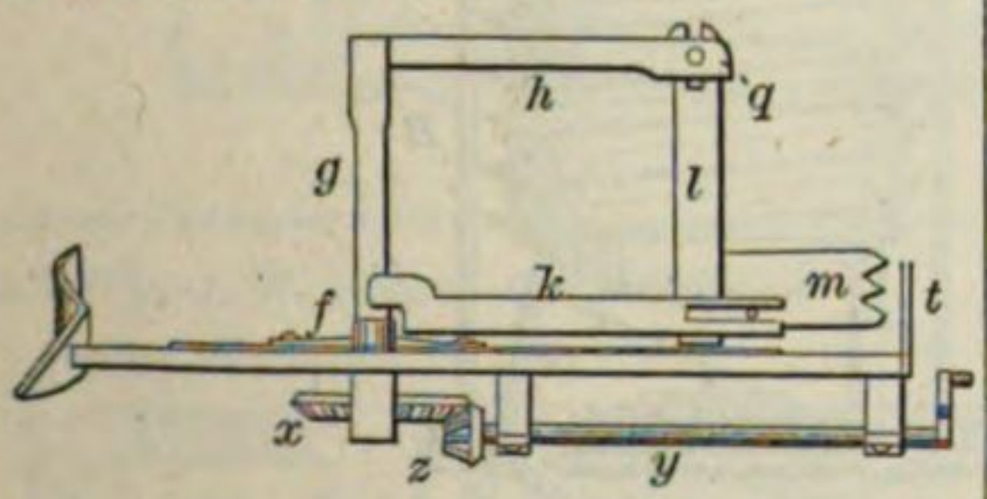


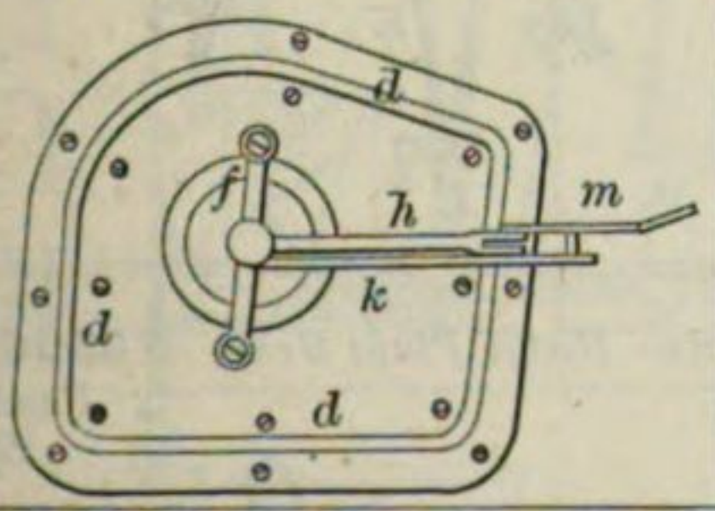


53957—P. Daniels—*Tire Tightener.*

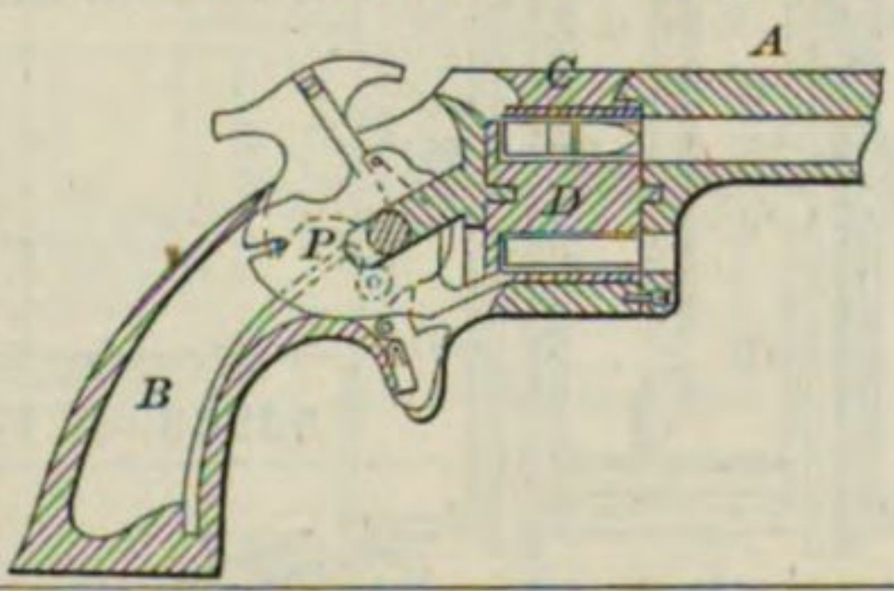


53958—W. P. Dillman—*Harvester Rake.*

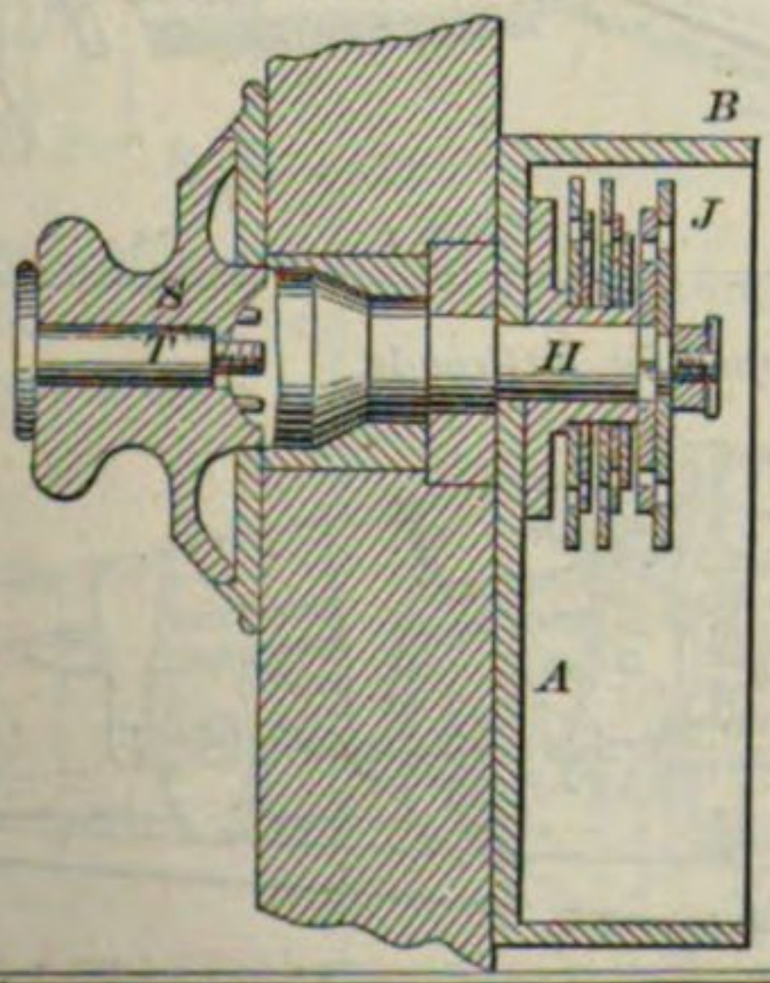


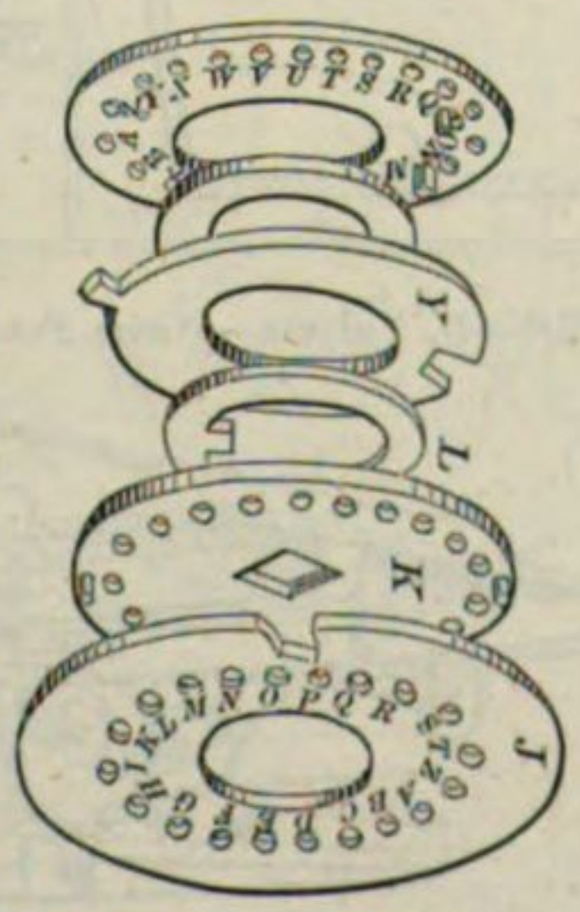


53955—G. G. Crowell—*Revolving Fire Arm.*

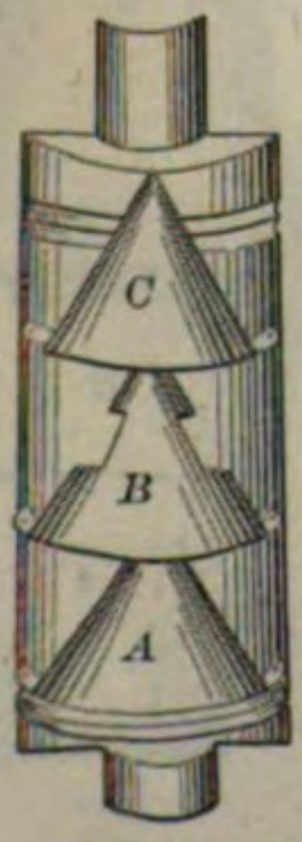


53959—W. B. Dodds—*Lock.*

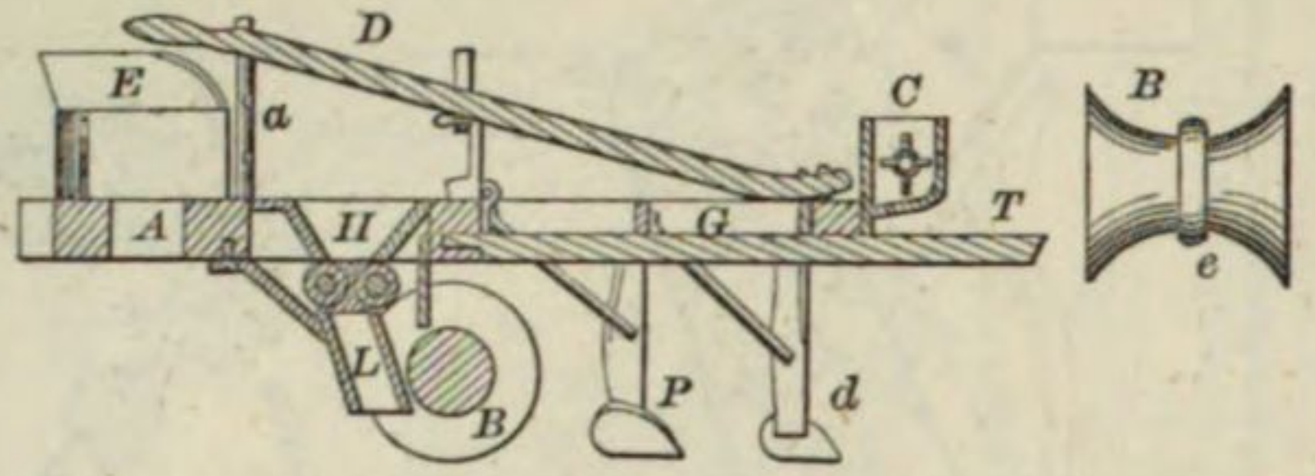




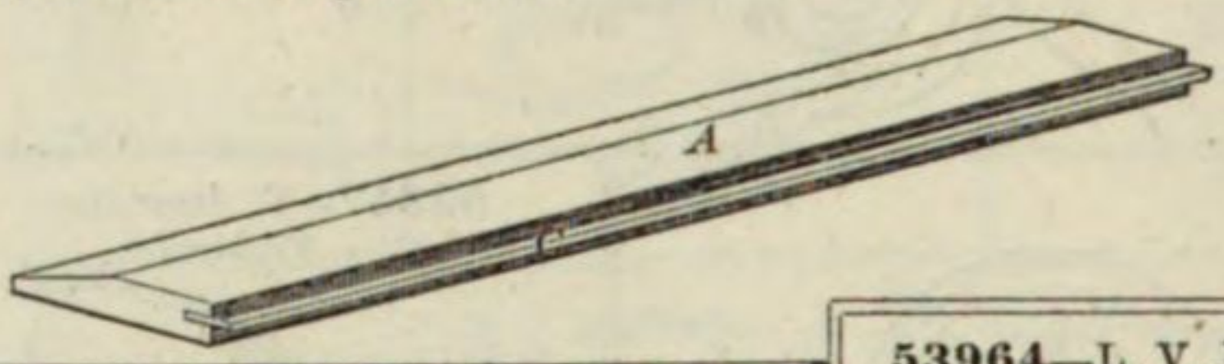
53954—J. Crimmins—*Stove Pipe Drum.*



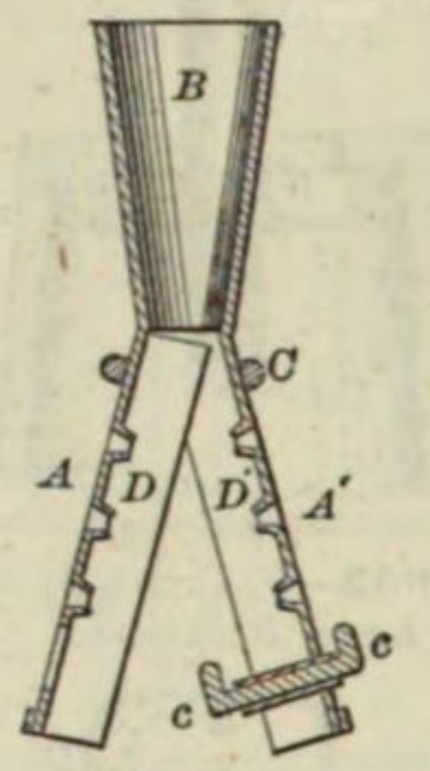
53960—A. Dodge—*Combined Cultivator and Seeding Machine.*



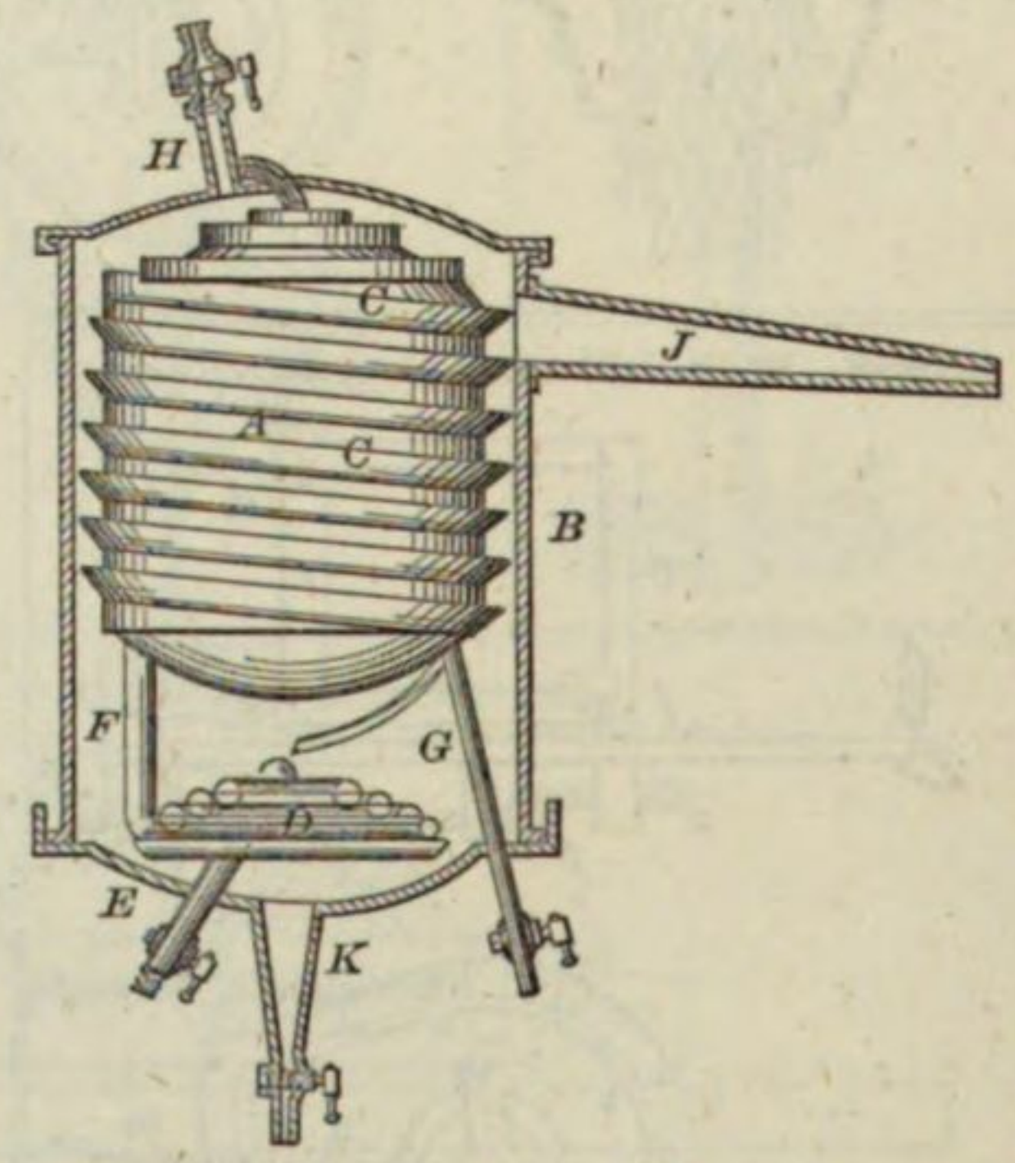
53961—R. N. Eagle—*Ruler.*



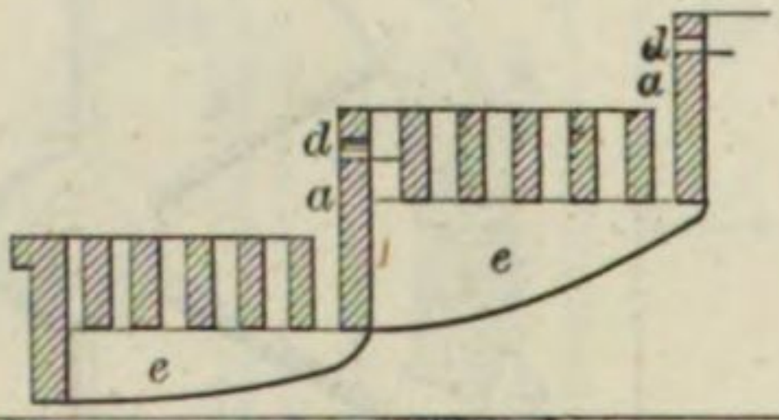
53962—J. S. Elkins—*Broom Head.*



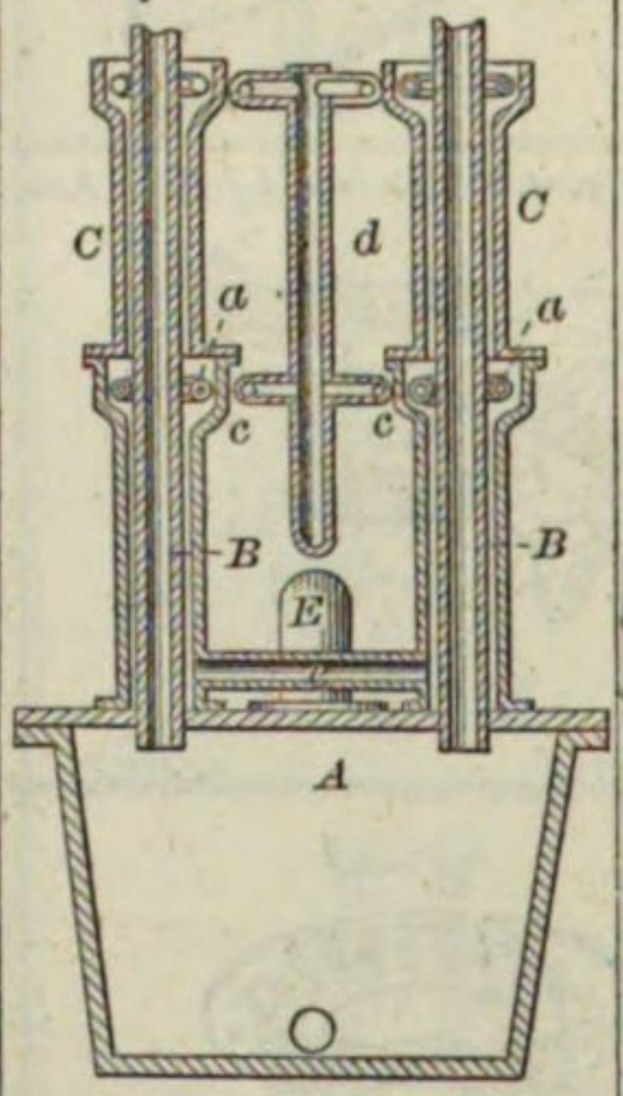
53964—L. V. Fichet—*Distilling Petroleum.*



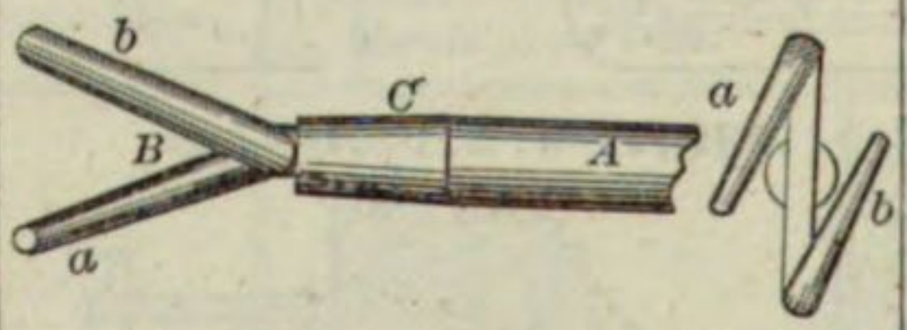
53966—A. C. Fletcher—*Grate Bar.*



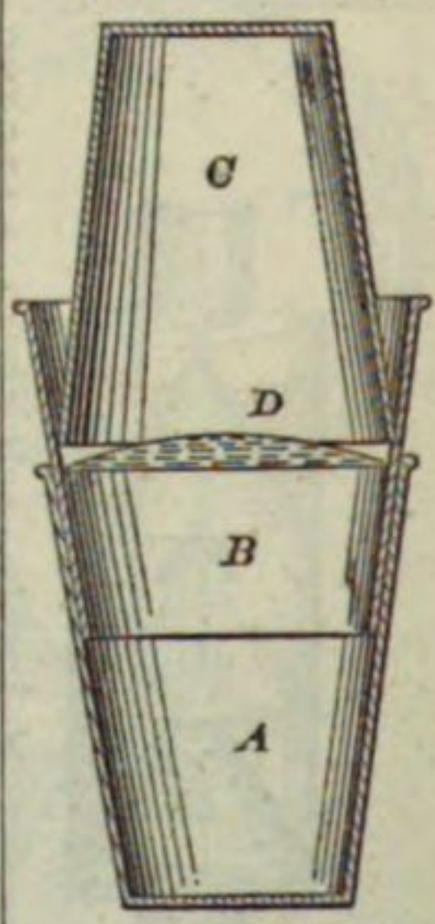
53967—A. C. Fletcher—*Surface Condenser.*



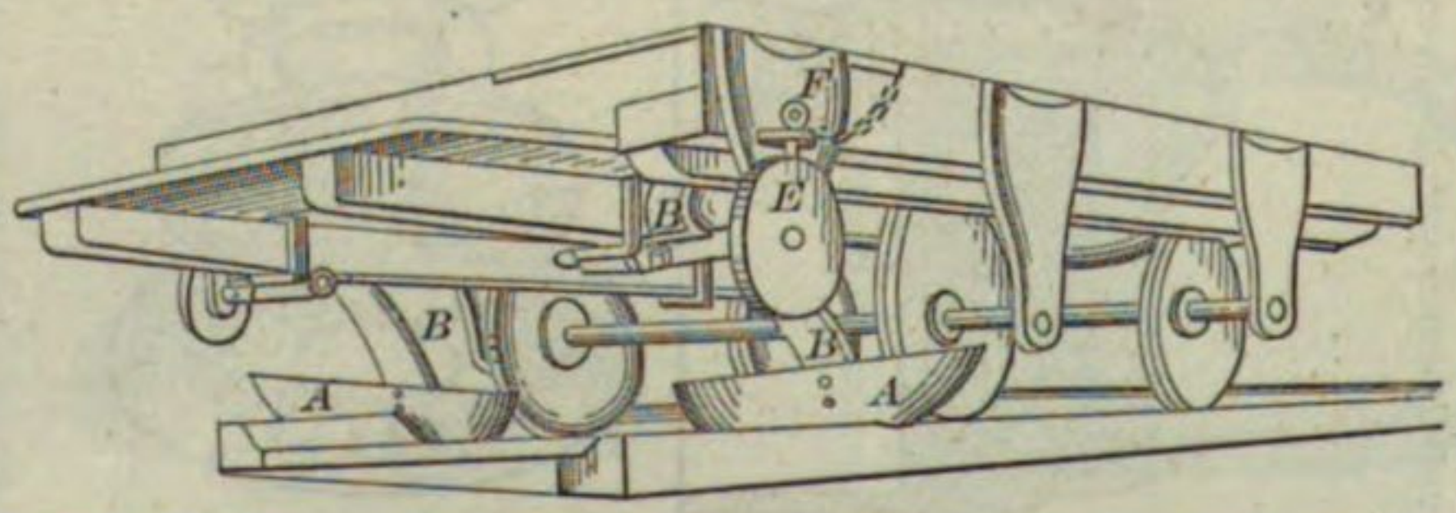
53963—H. Ferris—*Hedge Plant Grab.*



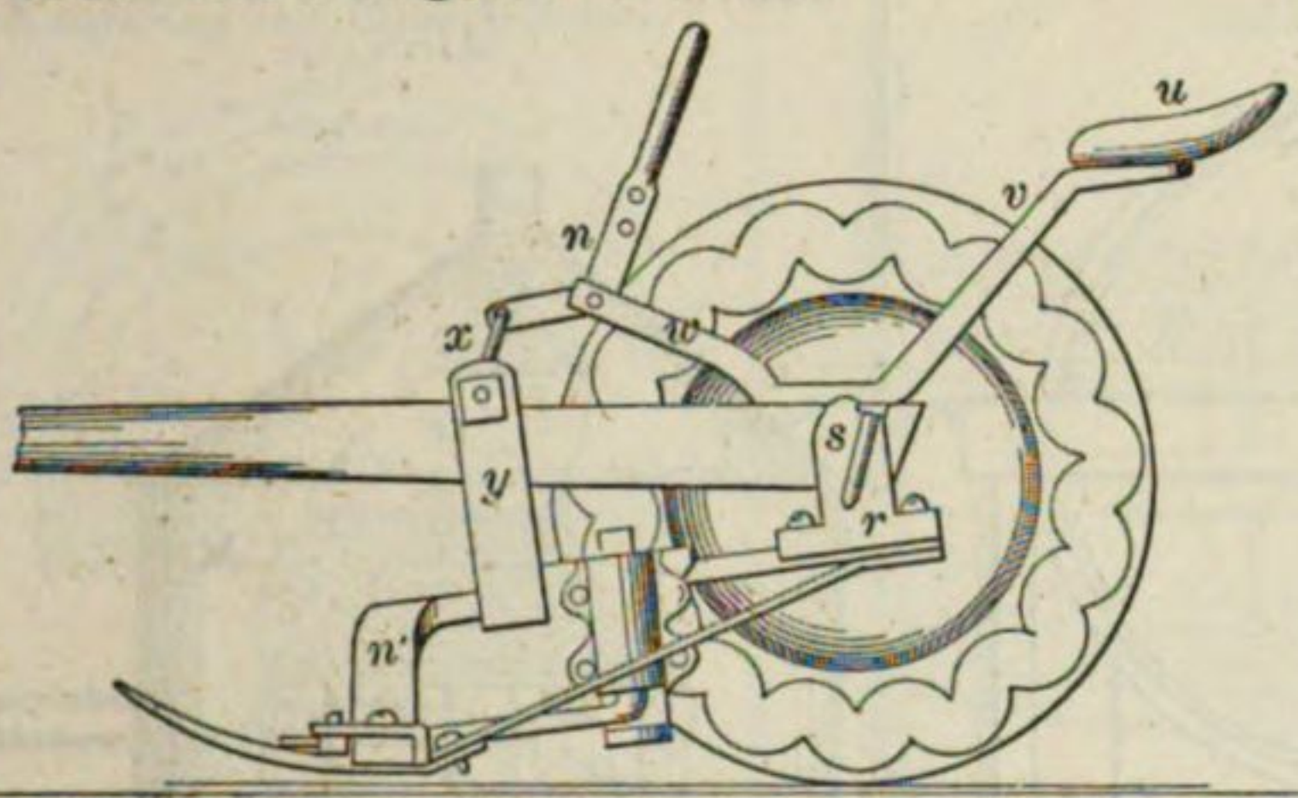
53965—T. Fisler—*Punch Mixer and Egg Beater.*



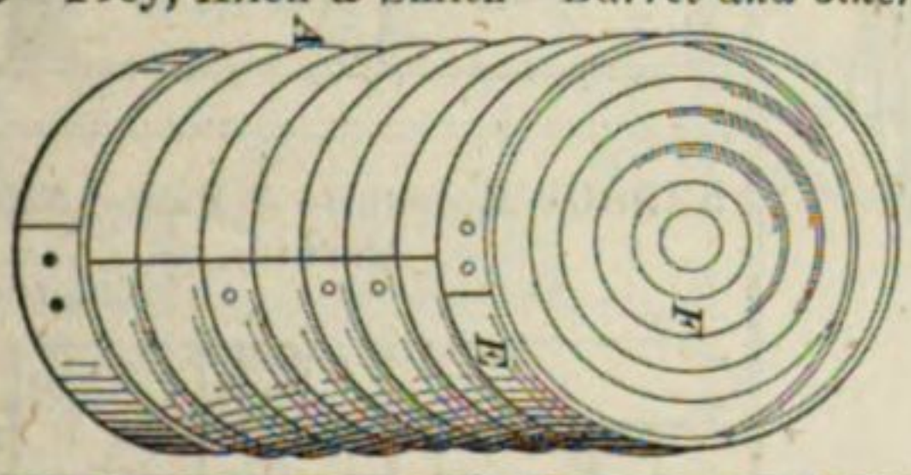
53968—B. Folsom—*Snow Scraper for Railroads.*



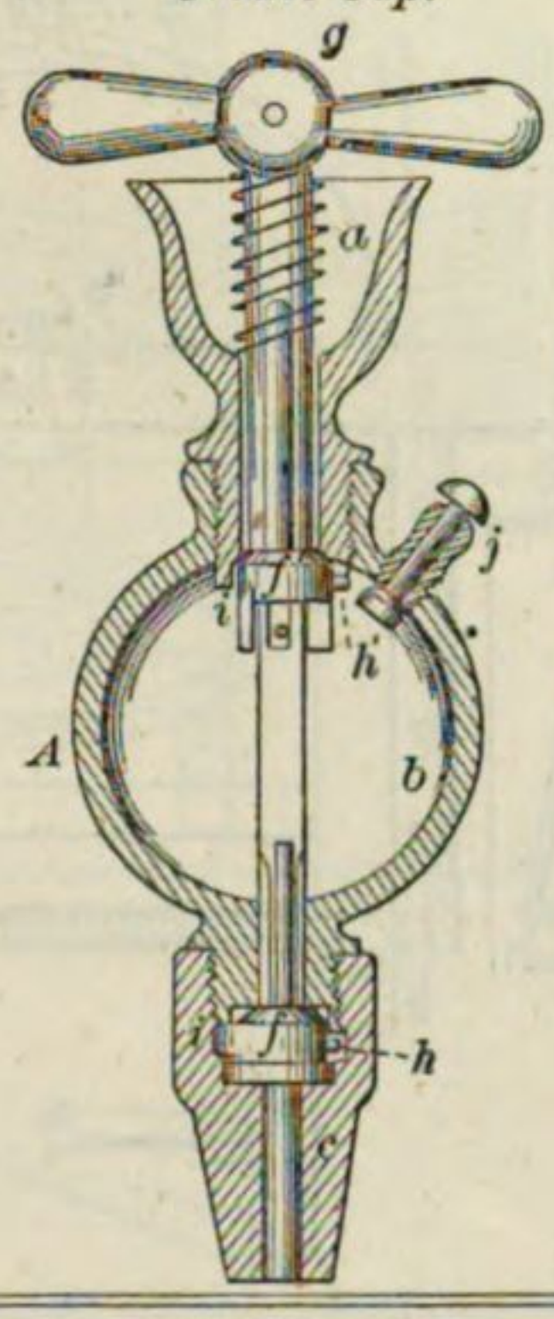
53969—Fox & Ridgawav—*Harvester.*



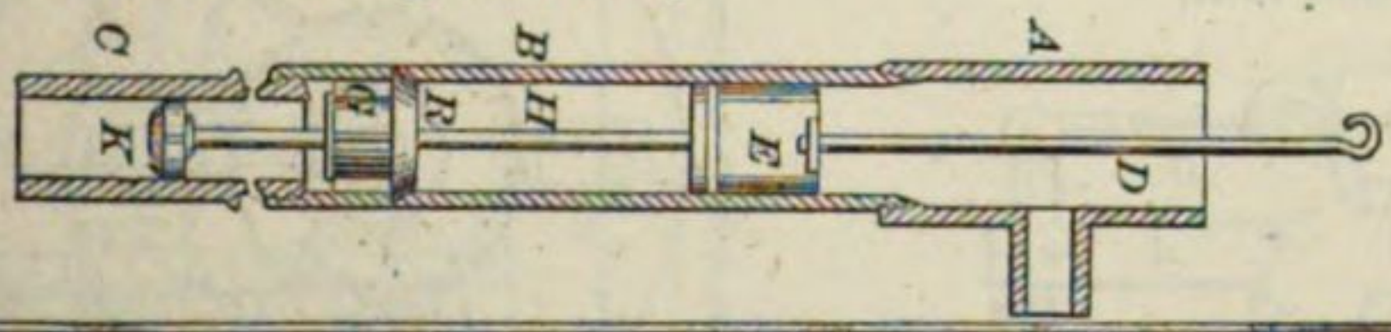
53970—Frey, Allen & Smith—*Barrel and other Vessels.*



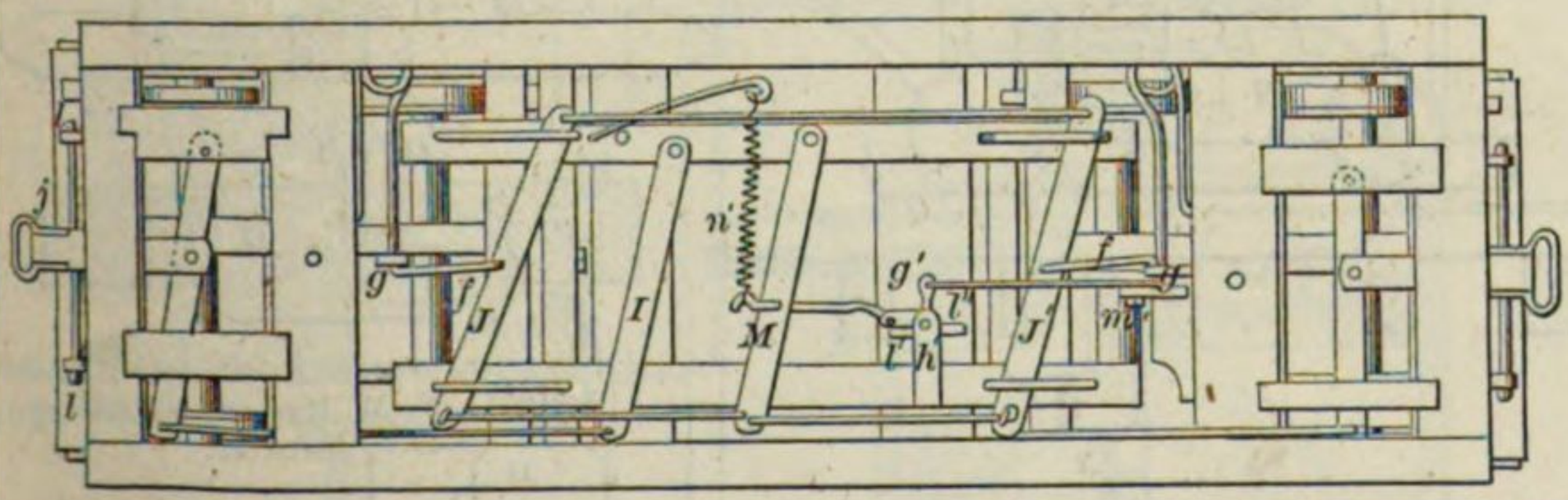
53973—G. Hagenmeyer—*Grease Cup.*

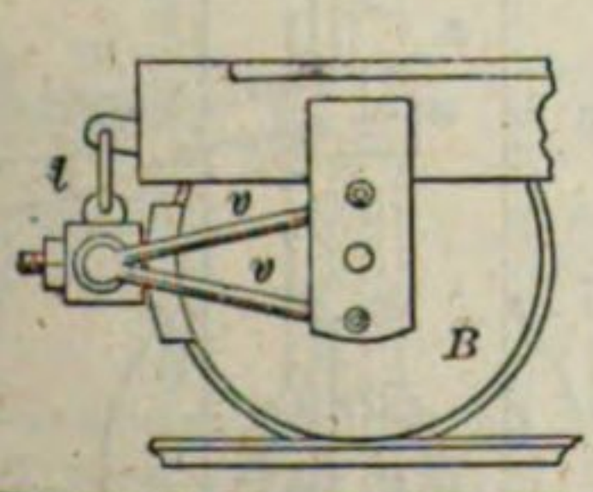


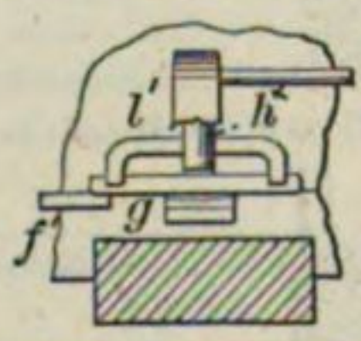
53974—J. Harrison—*Deep Well Pump.*



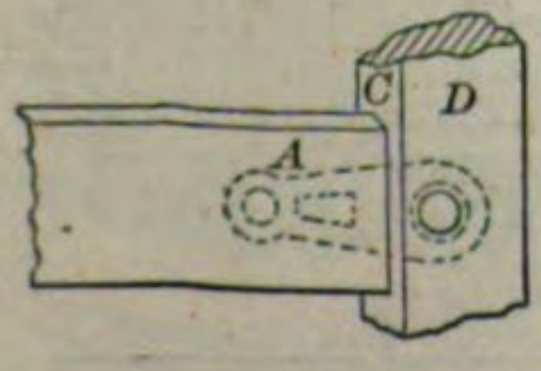
53971—J. W. Gibbs—*Car Brake.*



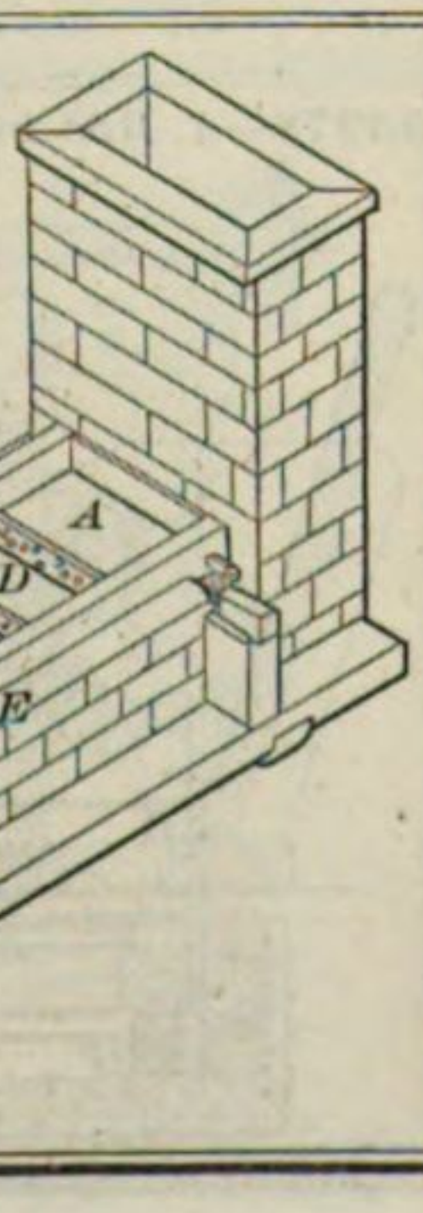




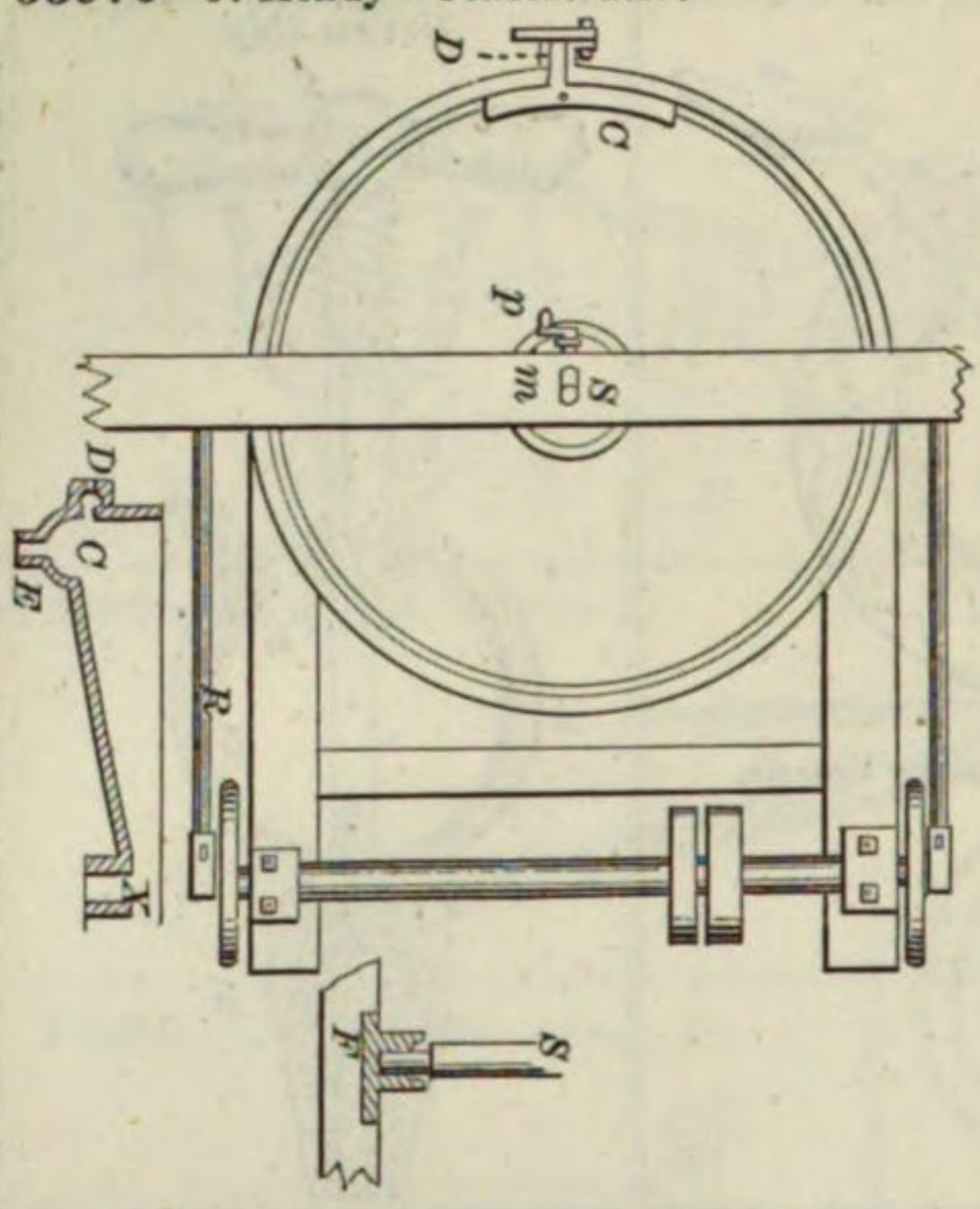
53972—C. M. Gilbert—*Bedstead Fastening.*



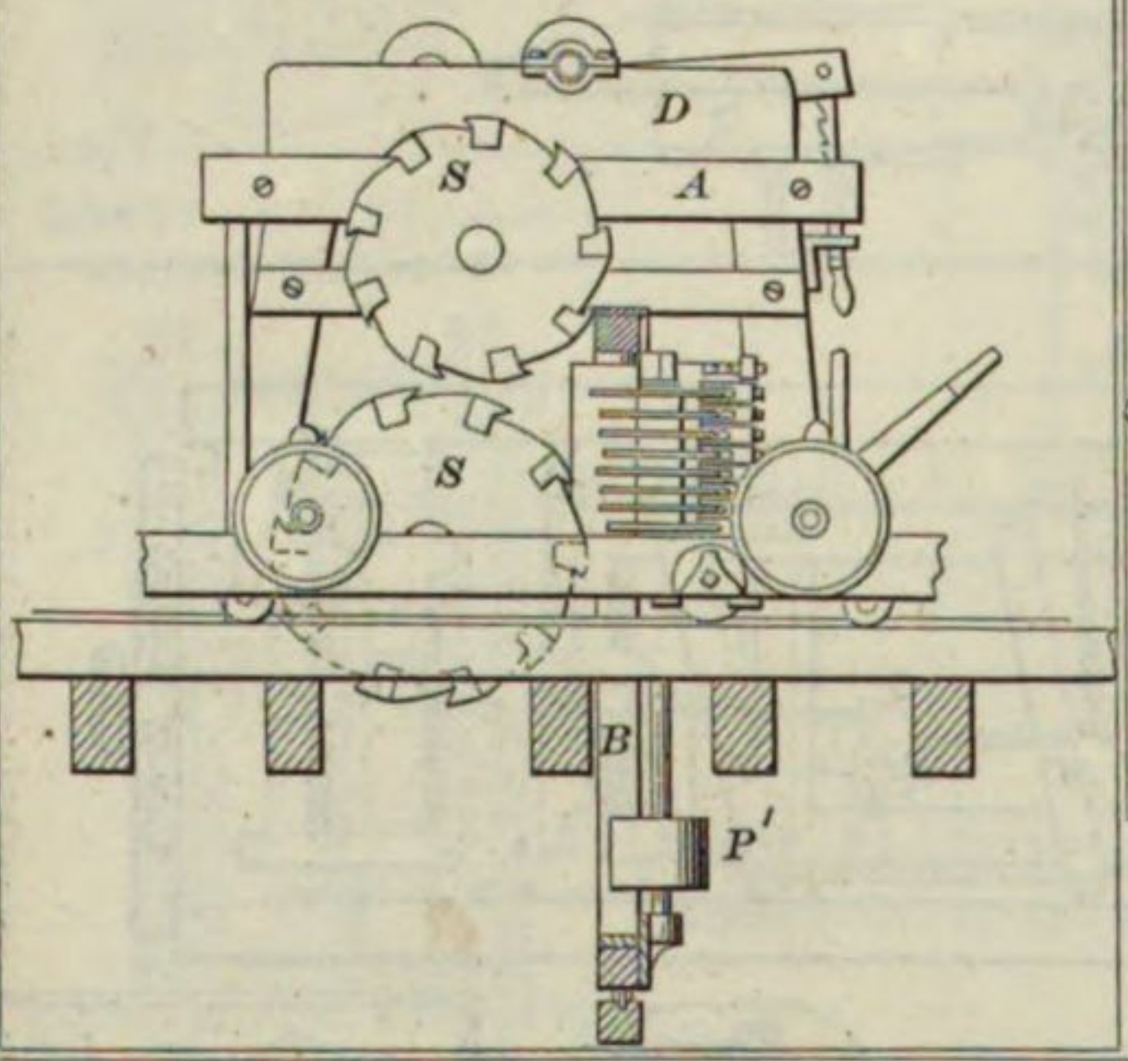
53975—G. W. L. Hazen—*Evaporator.*



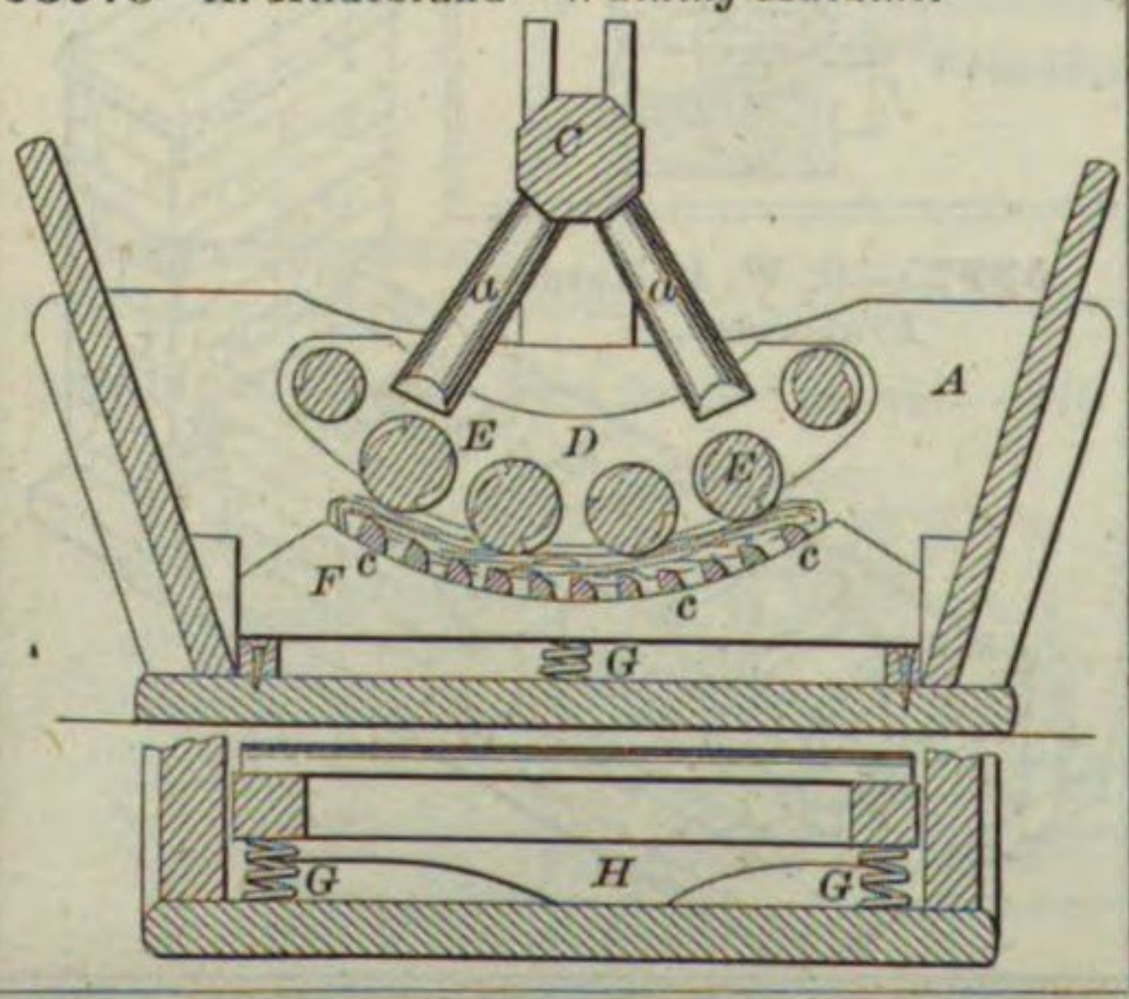
53976—J. Hendy—*Concentrator.*



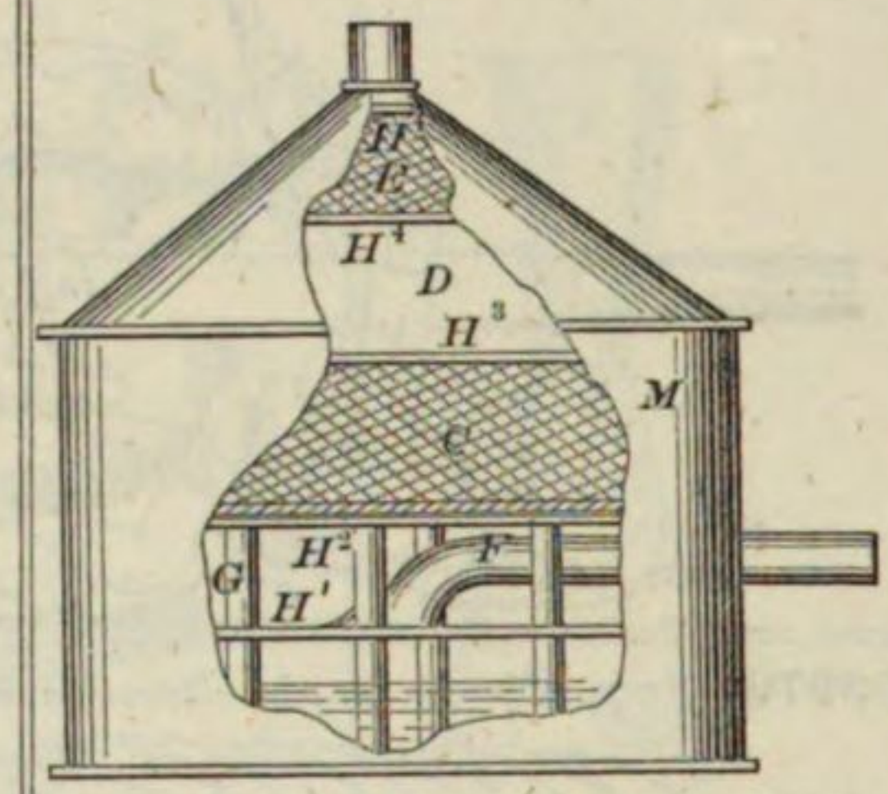
53977—J. Hendy—*Saw Mill.*



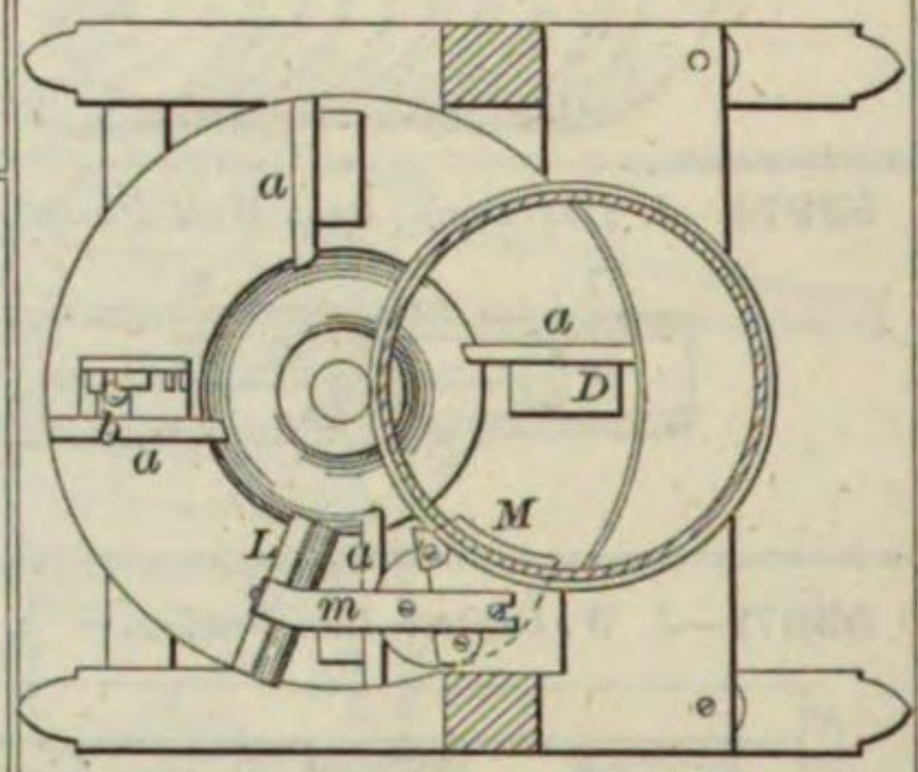
53978—A. Hildebrand—*Washing Machine.*



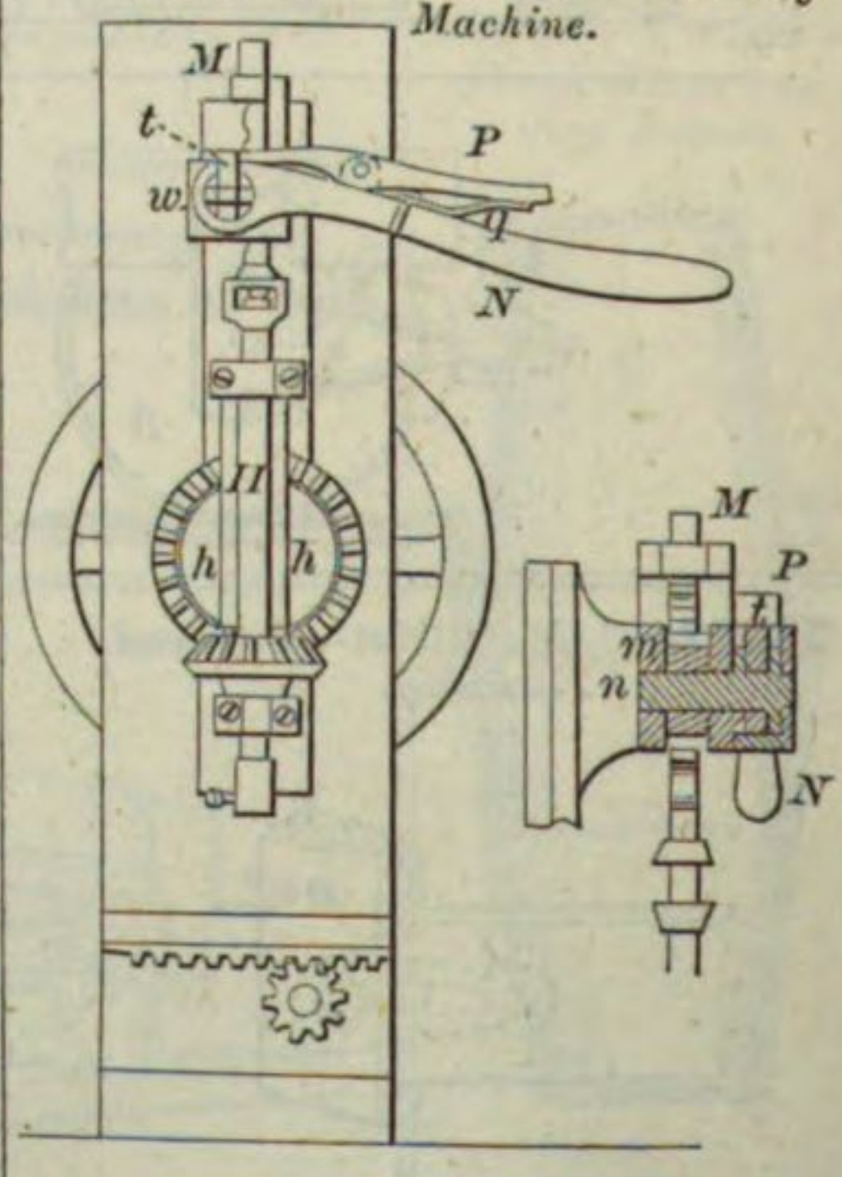
53979—P. Hogan—*For Carburetting Air.*



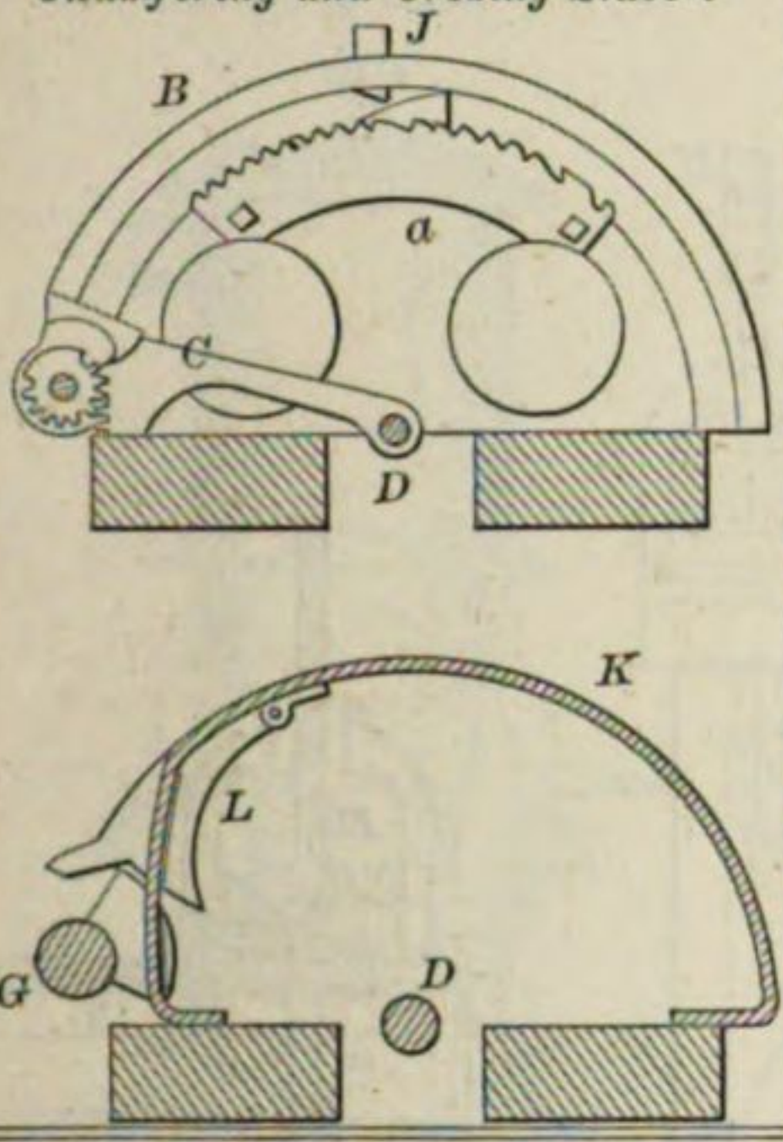
53980—Hotchkiss & Buss—*Brick Machine.*



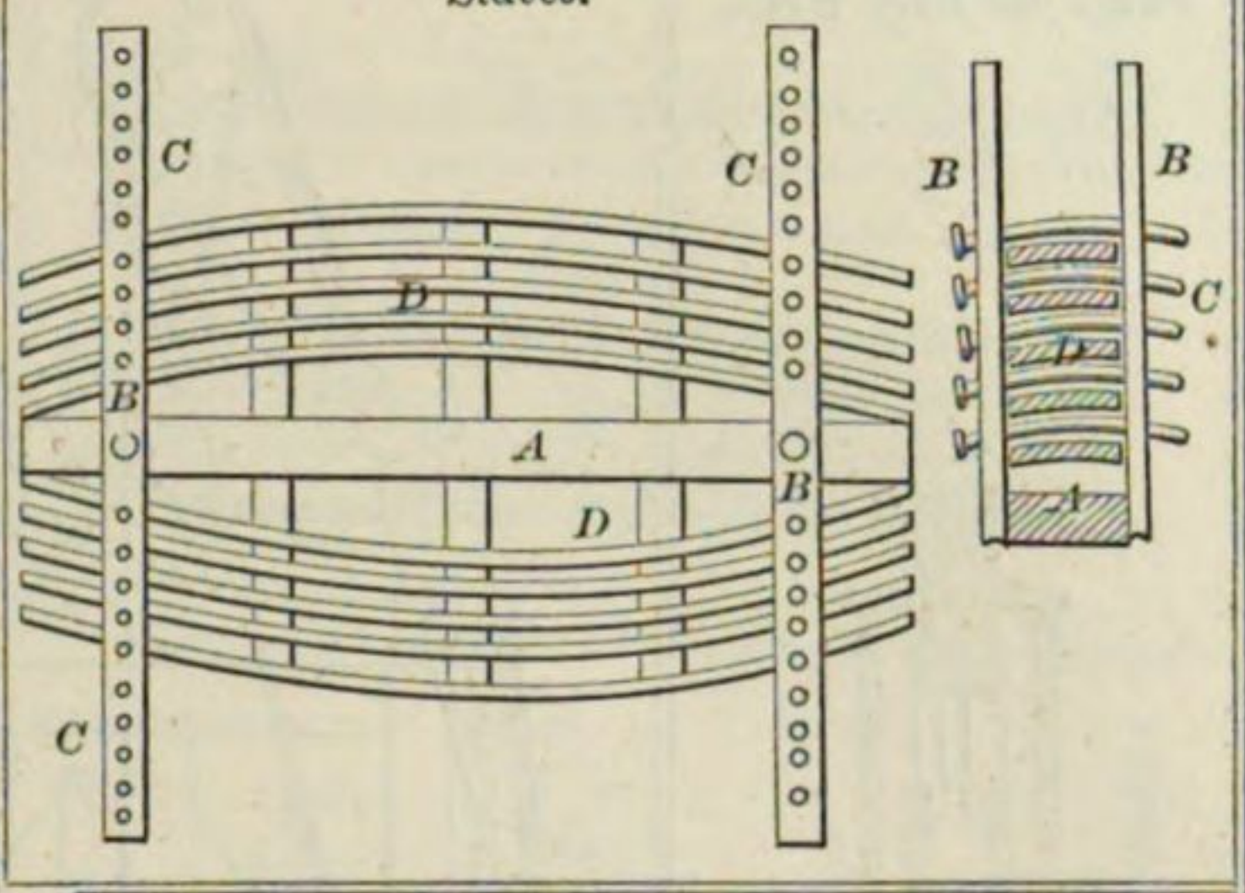
53981—T. M. Howard—*Drilling Machine.*



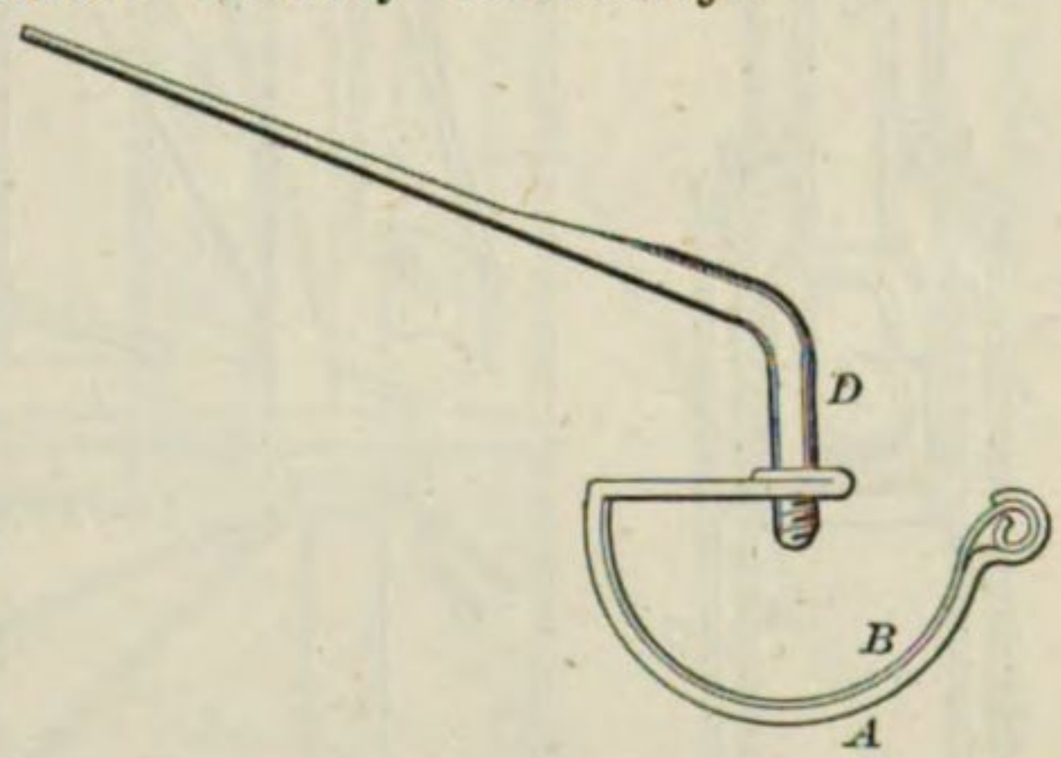
53982—C. B. Hutchinson—*For Chamfering and Crozing Staves.*



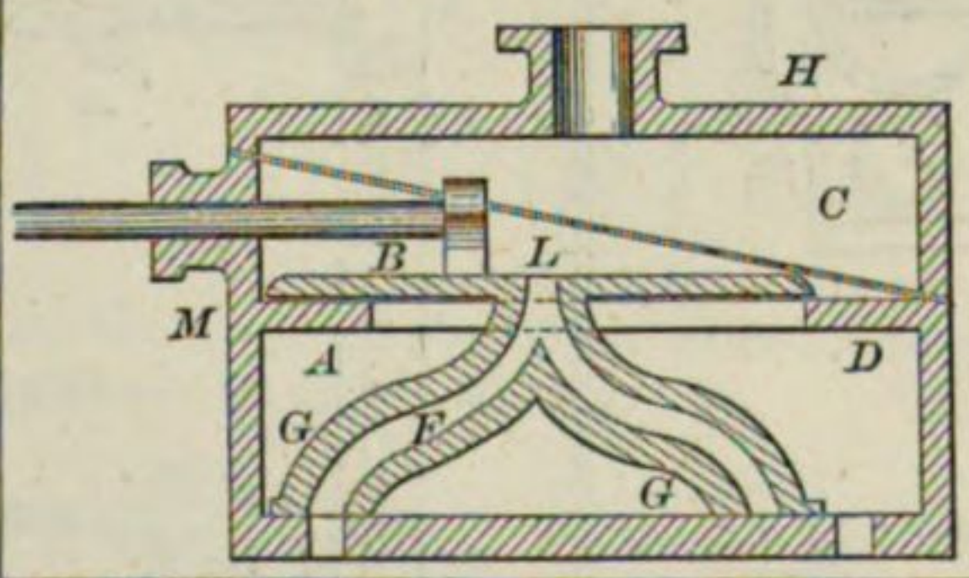
53983—C. B. Hutchinson—*Machine for Bending Staves.*



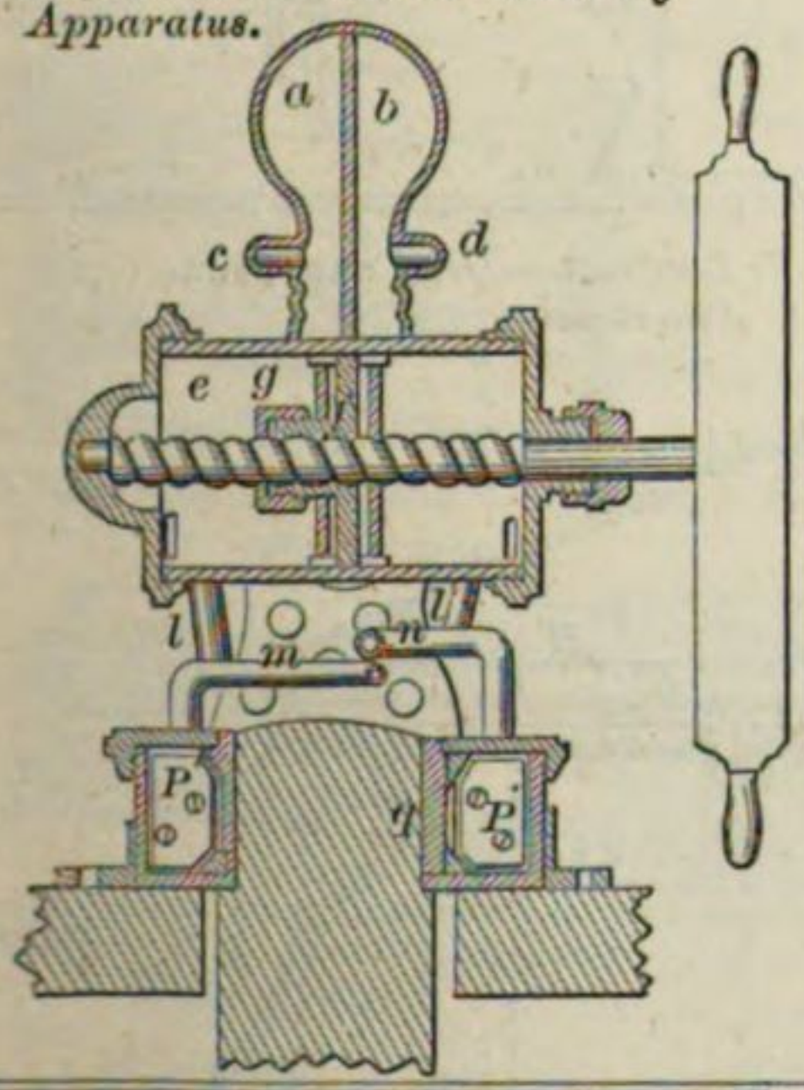
53984—J. Jacoby—*Eaves Trough.*



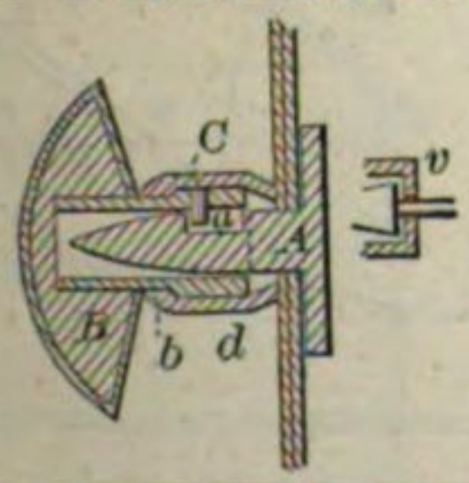
53985—Jenkins & Landis—*Slide Valve for Steam Engines.*



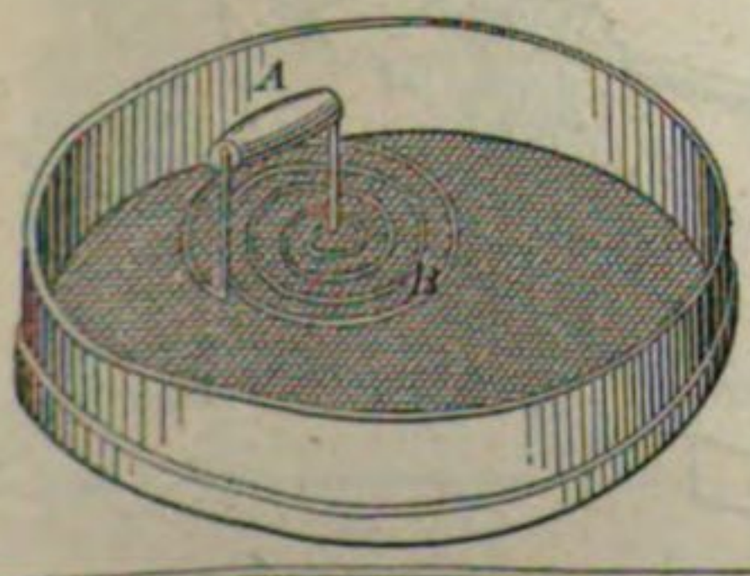
53988—W. O. Jones—*Steering Apparatus.*



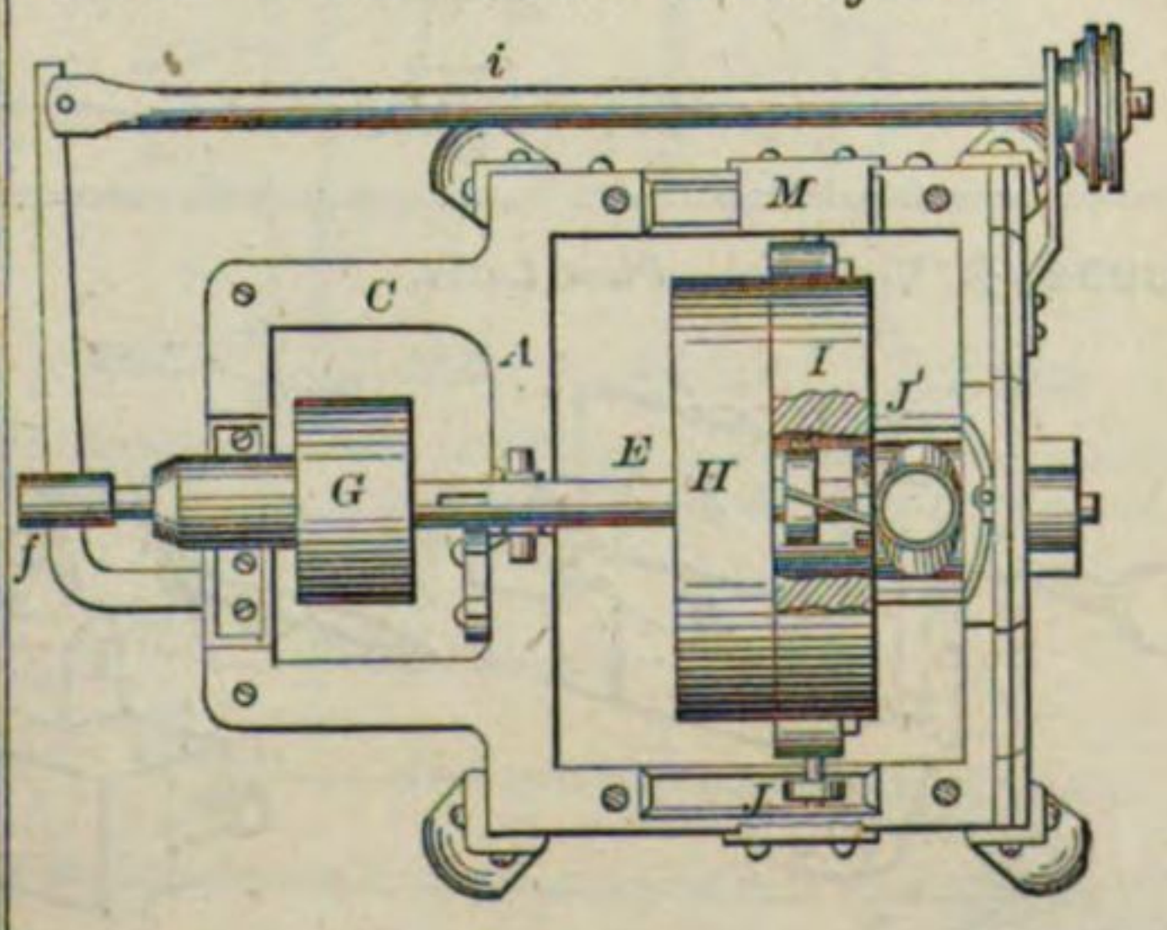
53986—J. M. Johnson—*Button.*



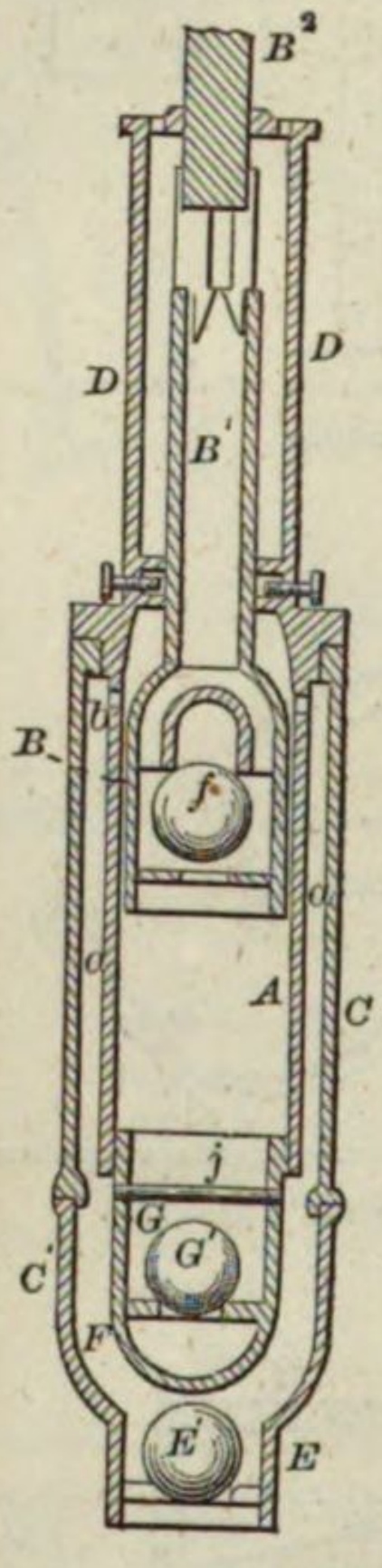
53987—S. D. Jones—*Flour Sifter.*



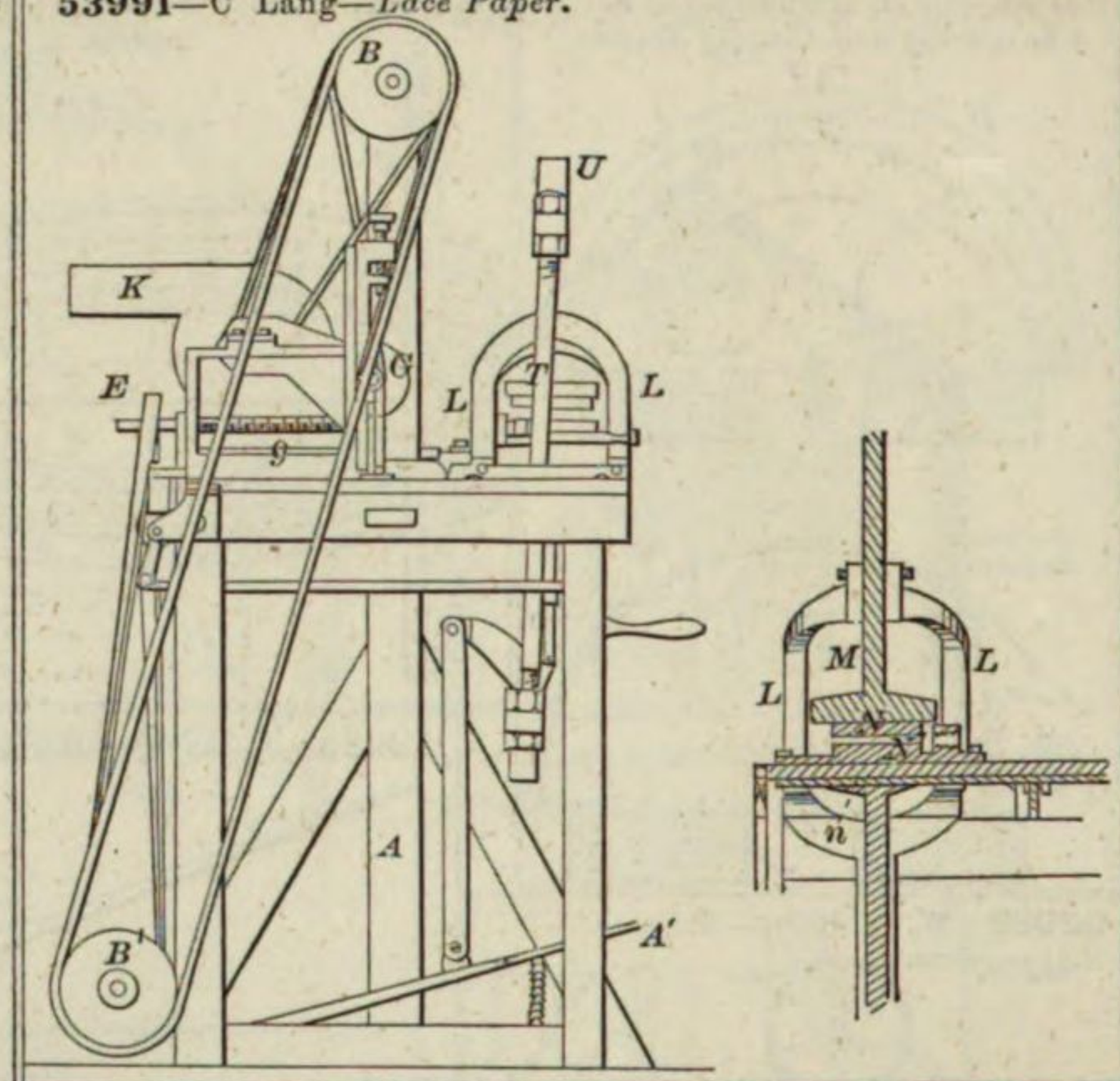
53989—C. & A. Kaestner—*Grinding Mill.*



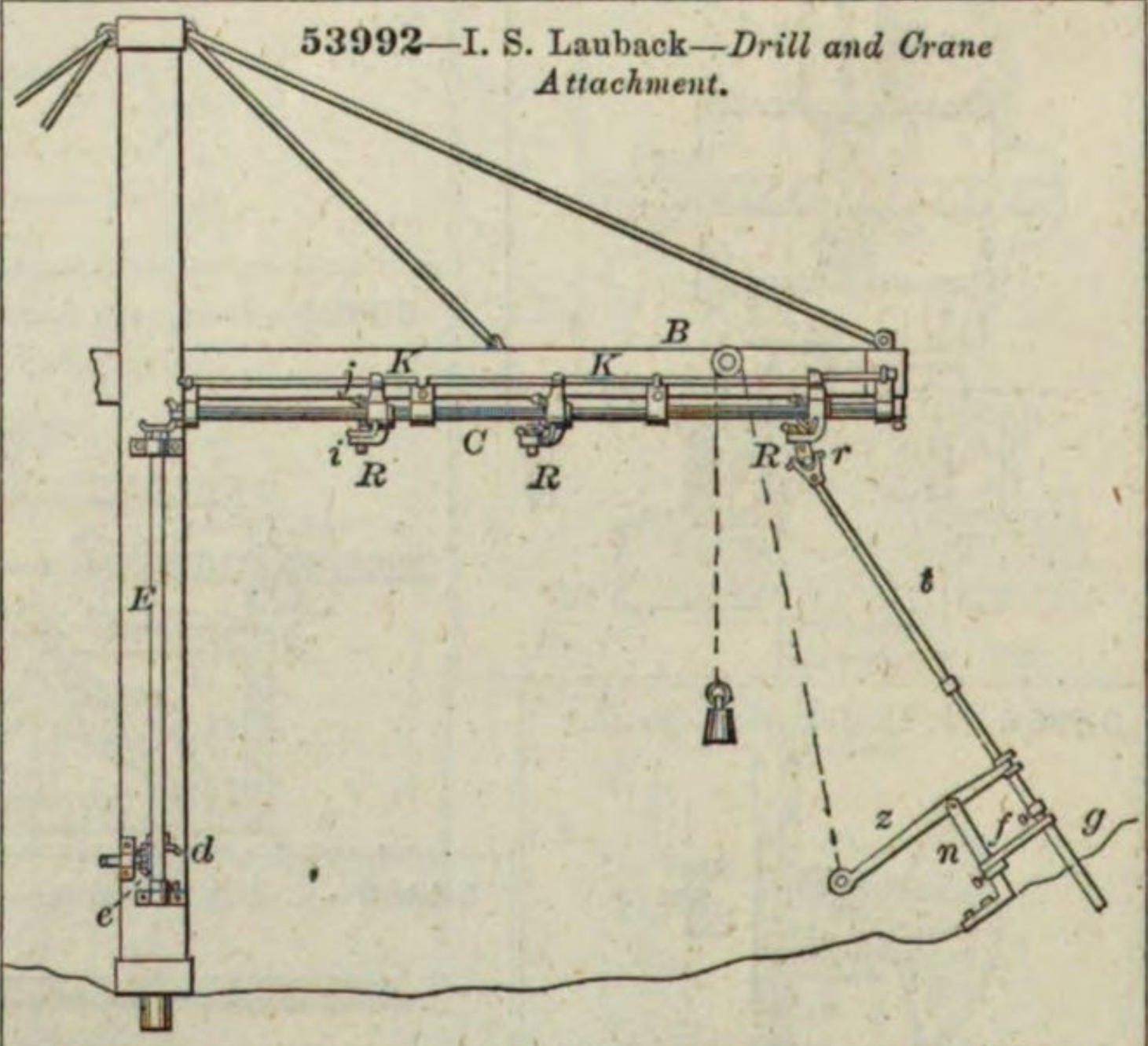
53990—W. S. Kelly—*Pump for Deep Wells.*



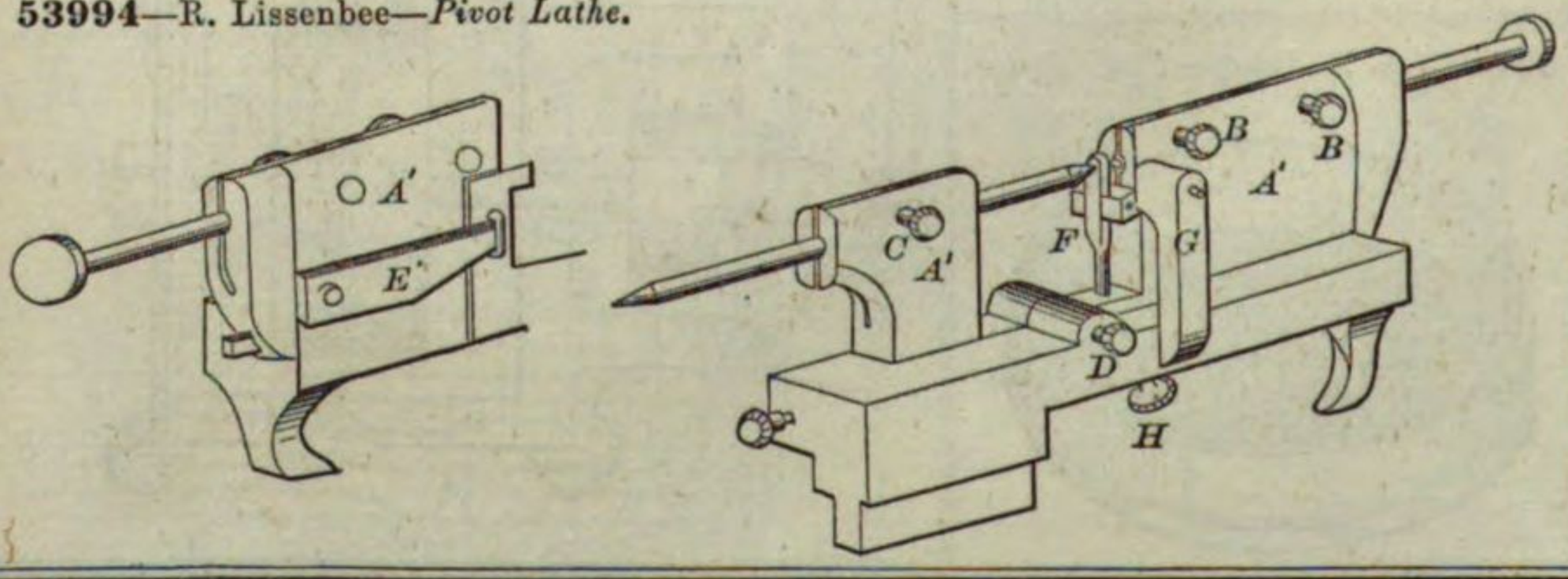
53991—C Lang—*Lace Paper.*



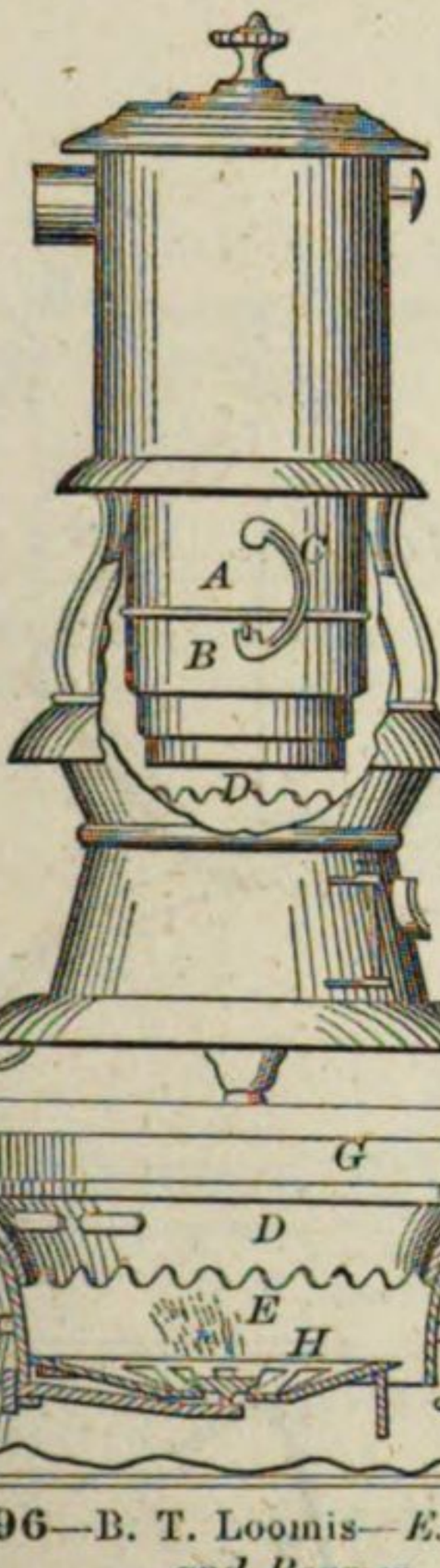
53992—I. S. Lauback—*Drill and Crane Attachment.*



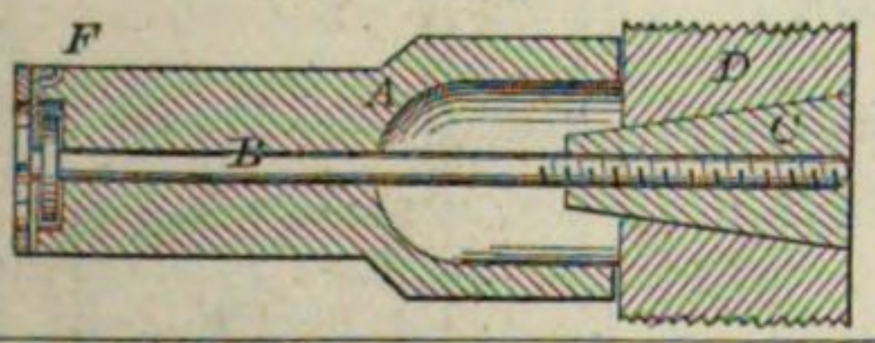
53994—R. Lissenbee—*Pivot Lathe.*



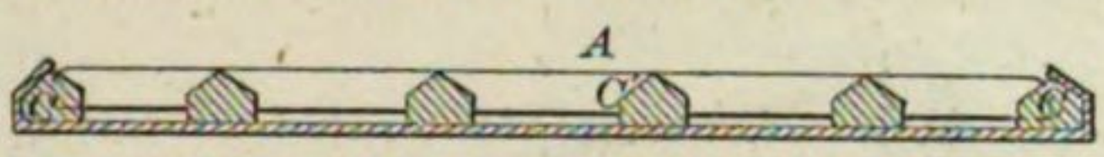
53995—D. G. Littlefield—*Base Burning Stove.*



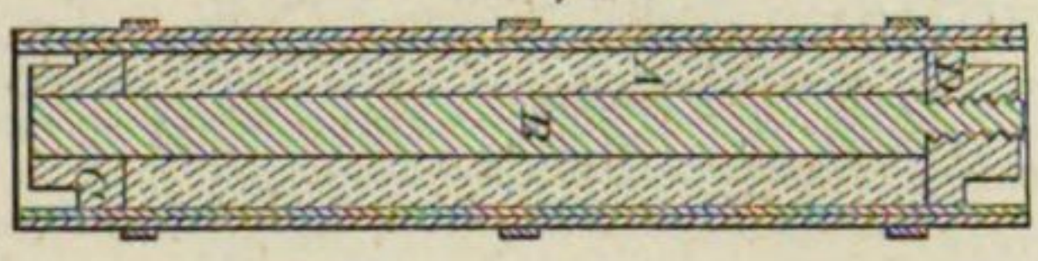
53996—B. T. Loomis—*Expanding Tap and Reamer.*



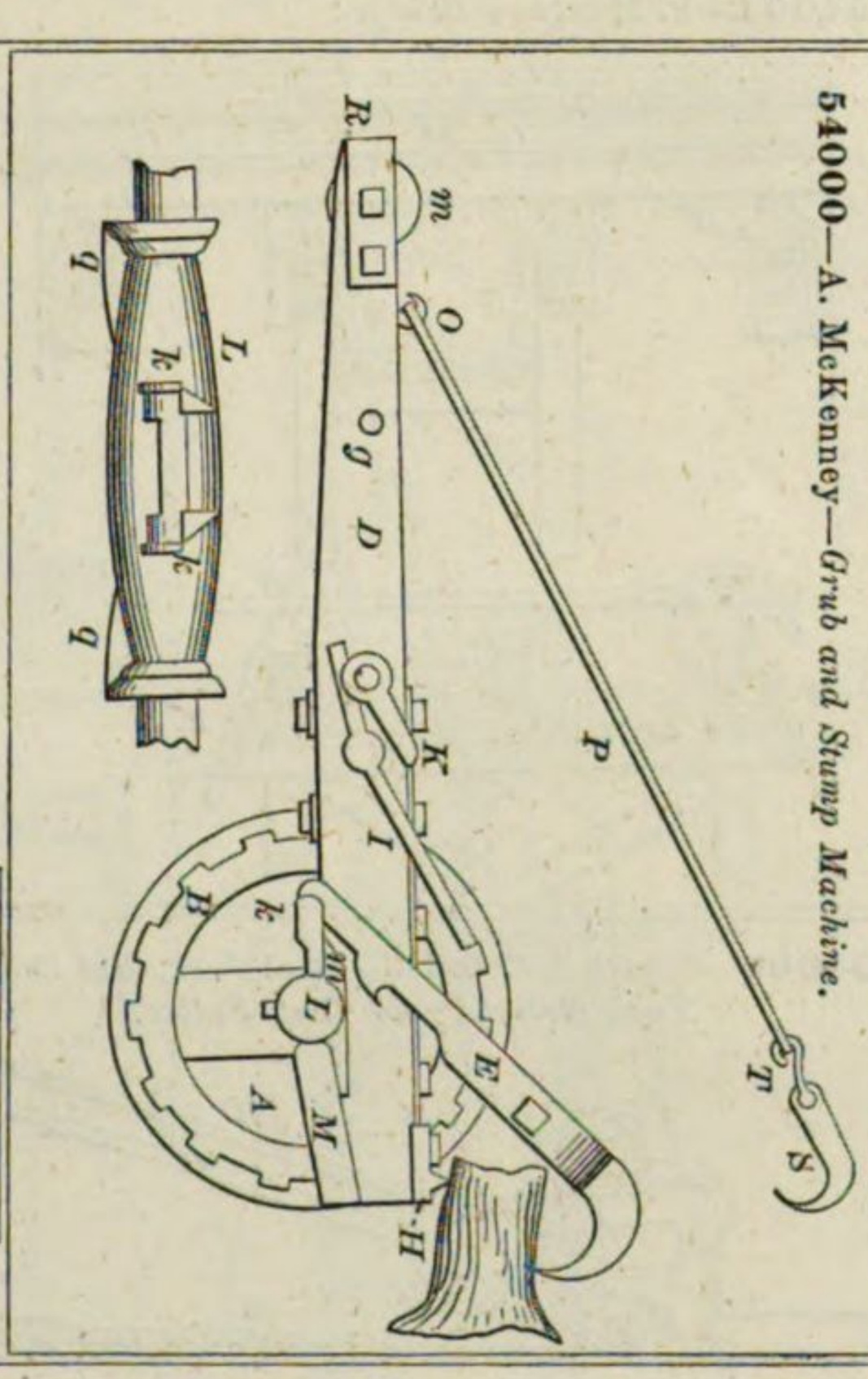
53997—G. T. Lozier—*Foot Scraper.*



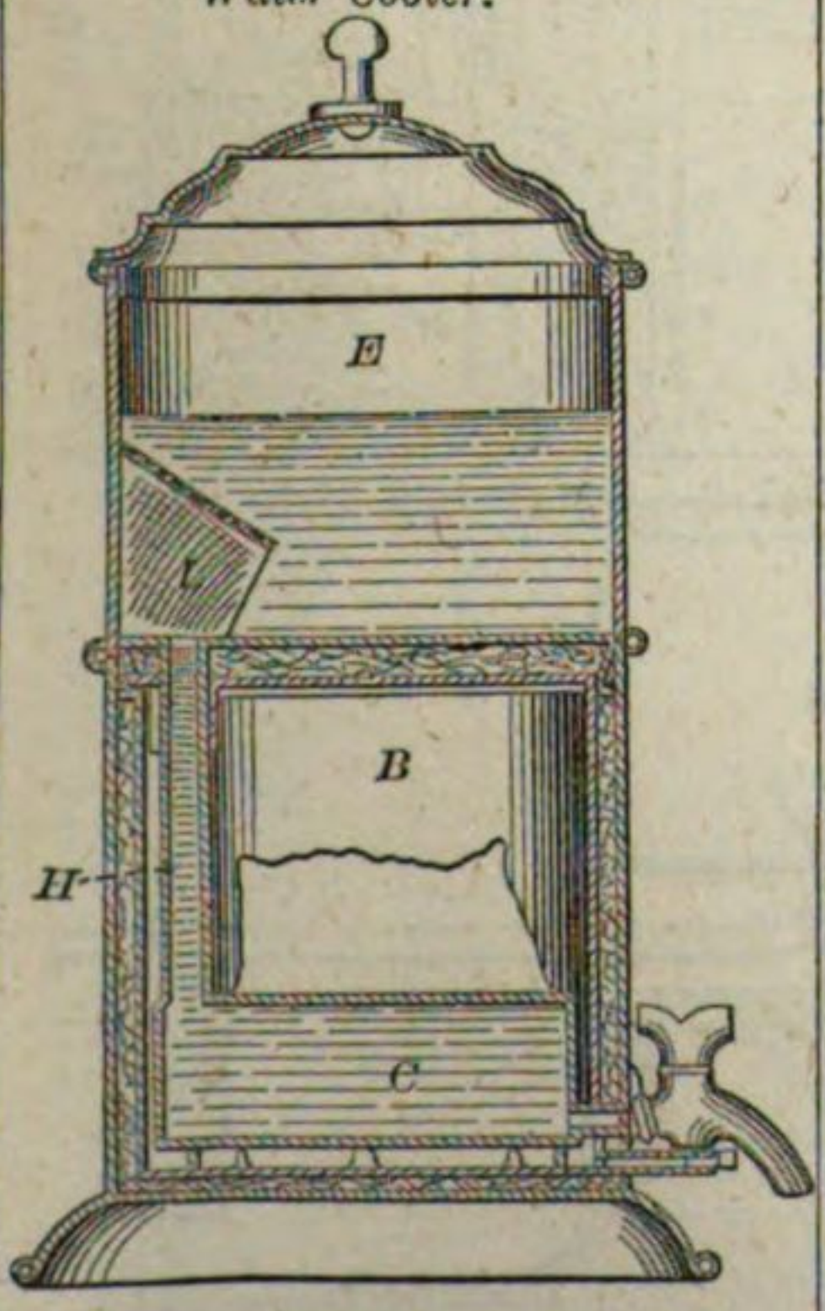
53999—McBurney & Forsyth—*India Rubber Tube, &c.*



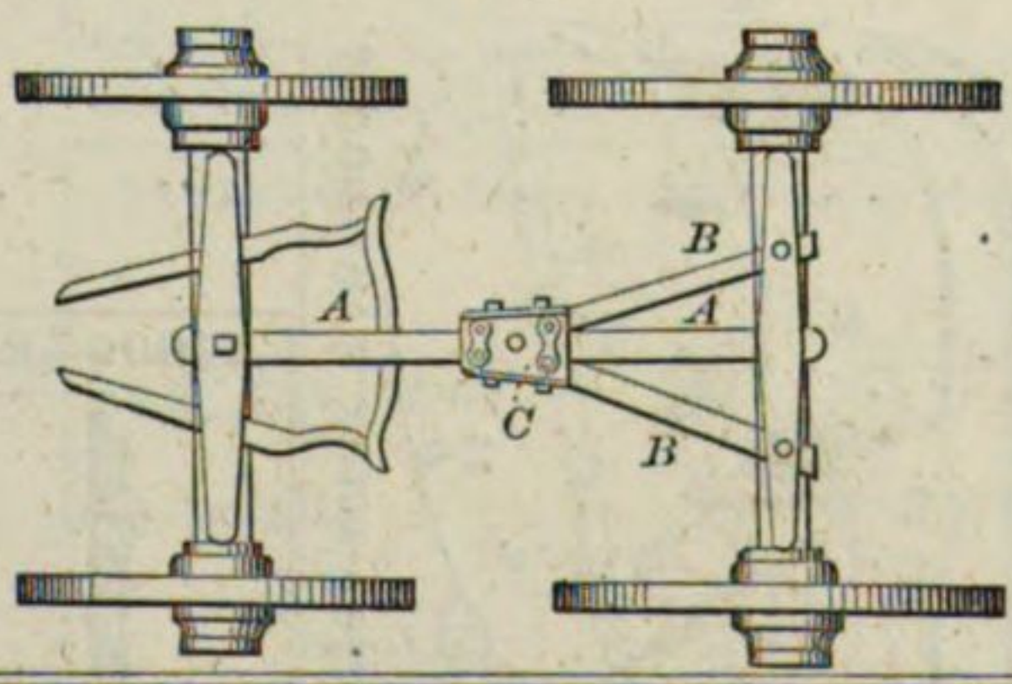
54000—A. McKenney—*Grub and Stump Machine.*



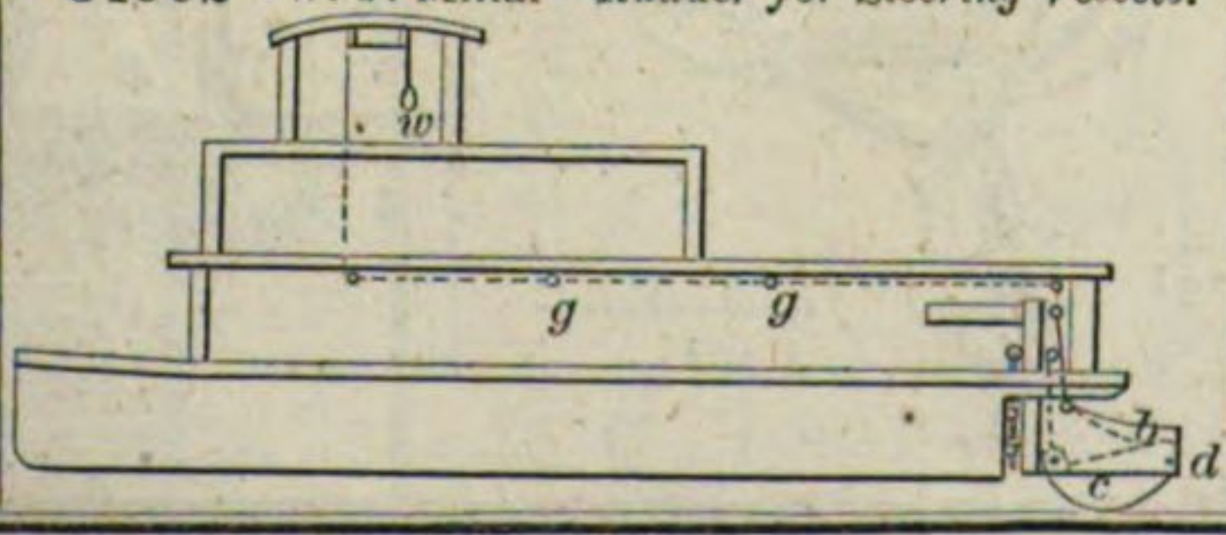
53998—T. T. Markland. Jr.—*Water Cooler.*



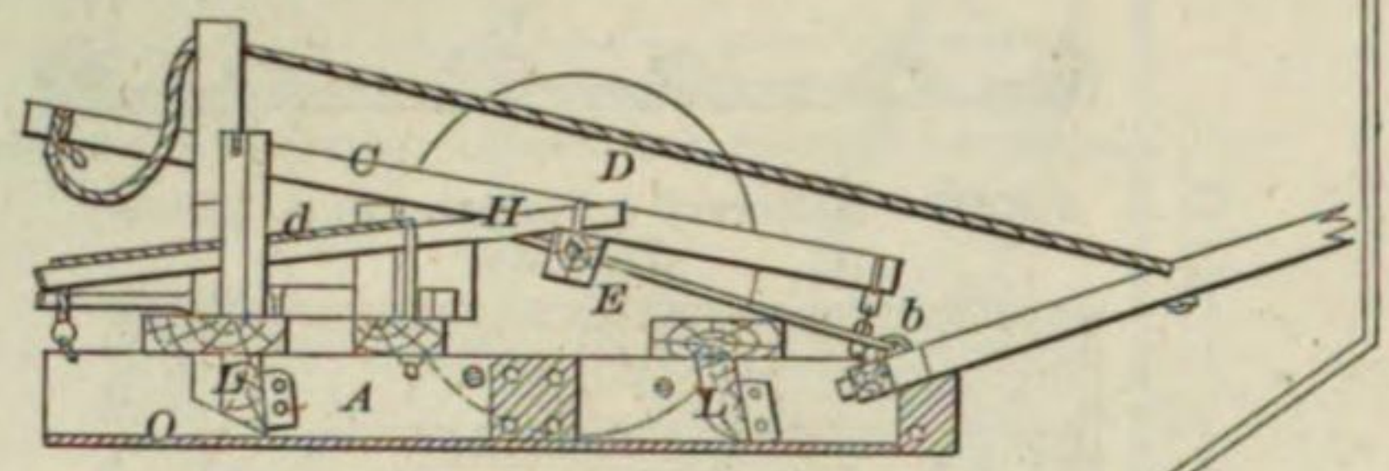
54001—O. E. Miles—*Wagon.*



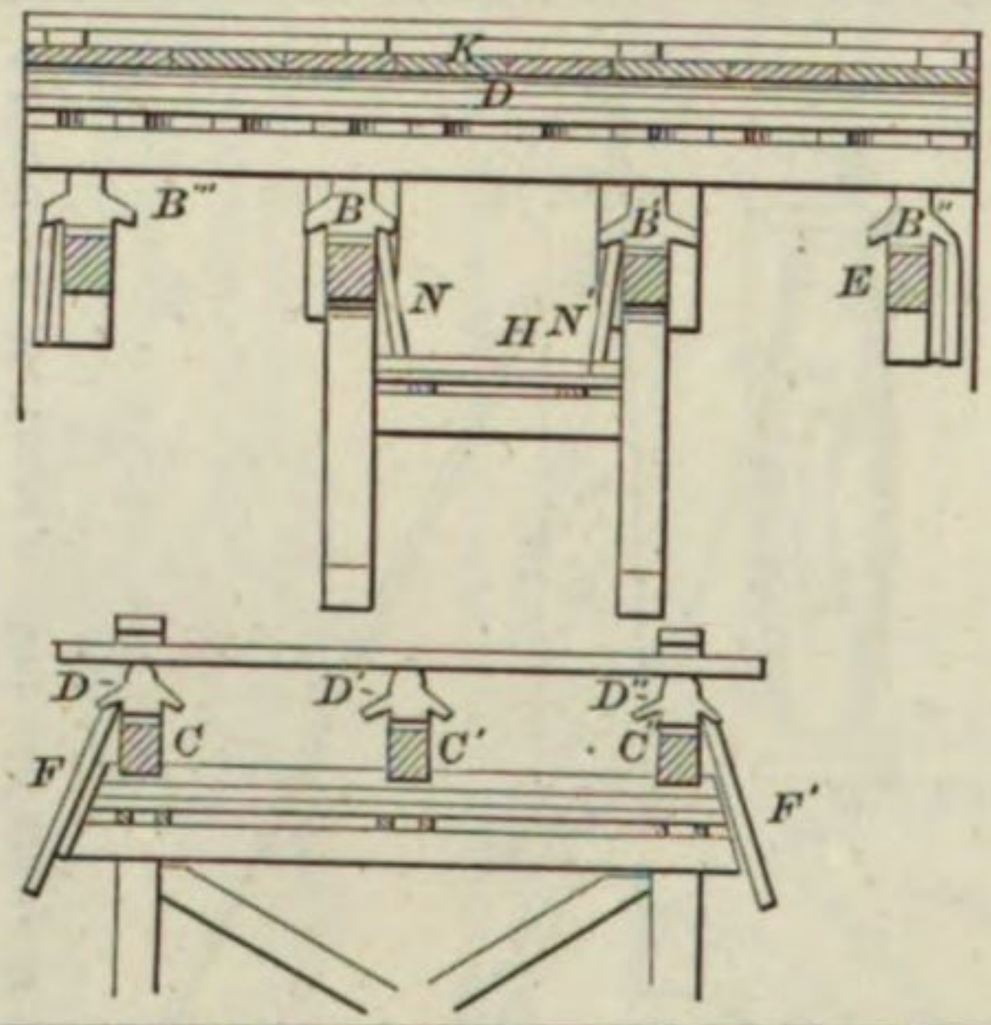
54002—W. J. Millar—*Rudder for Steering Vessels.*



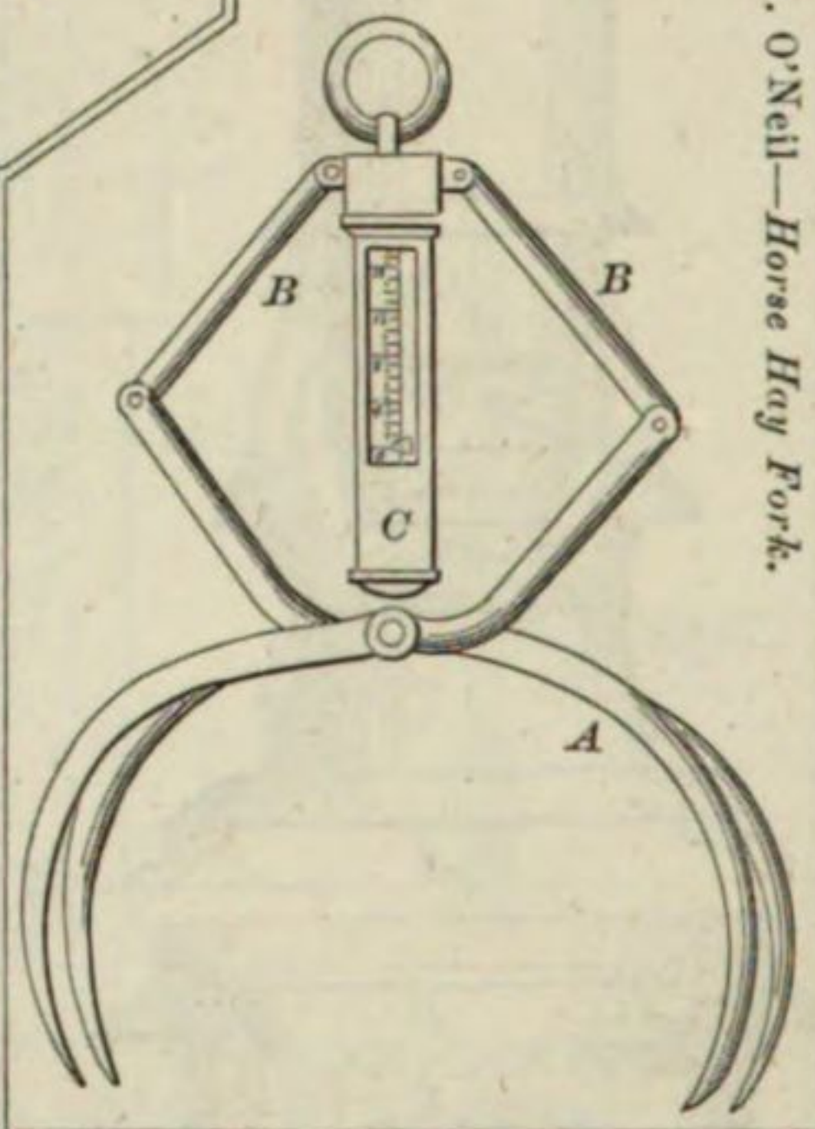
54003—F. Monroe—*Land Leveler.*



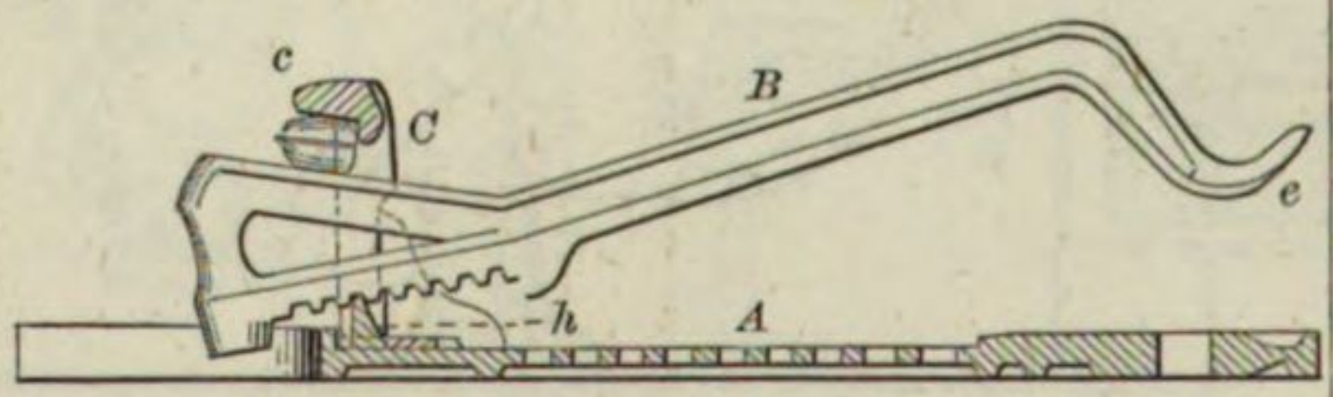
54004—F. Monroe—*Bridge.*



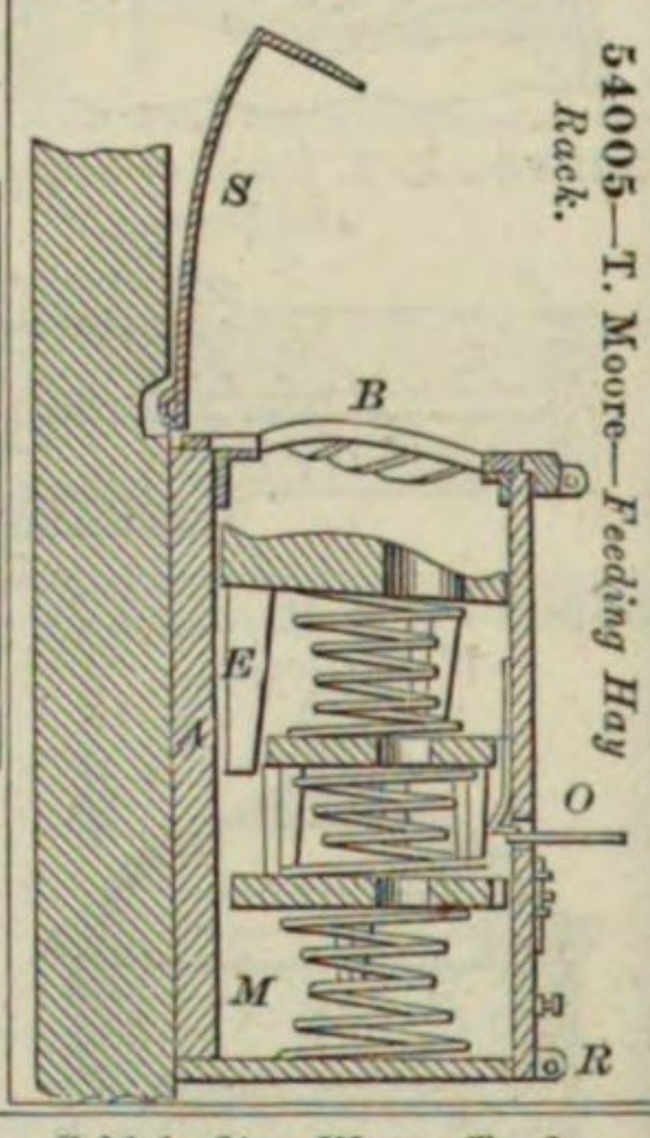
54007—J. K. O'Neil—*Horse Hay Fork.*



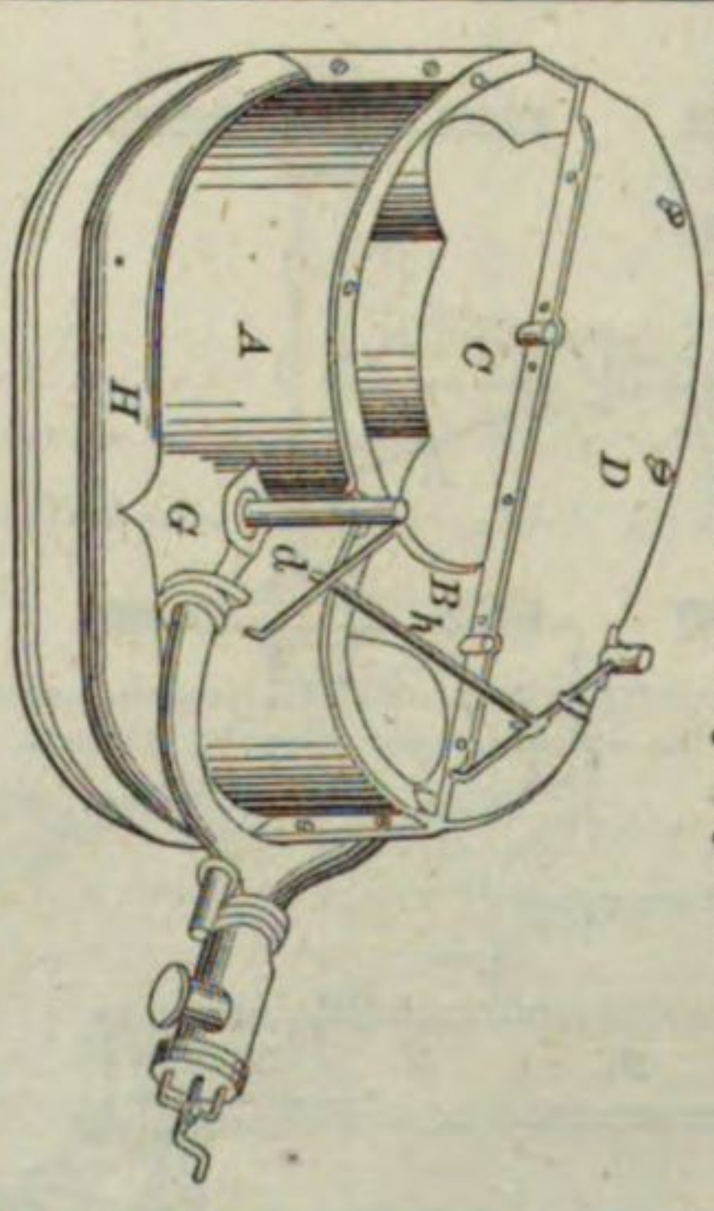
54008—Osborn & Crandell—*Boot Jack, Nut Cracker, Tack Hammer and Tack Puller.*



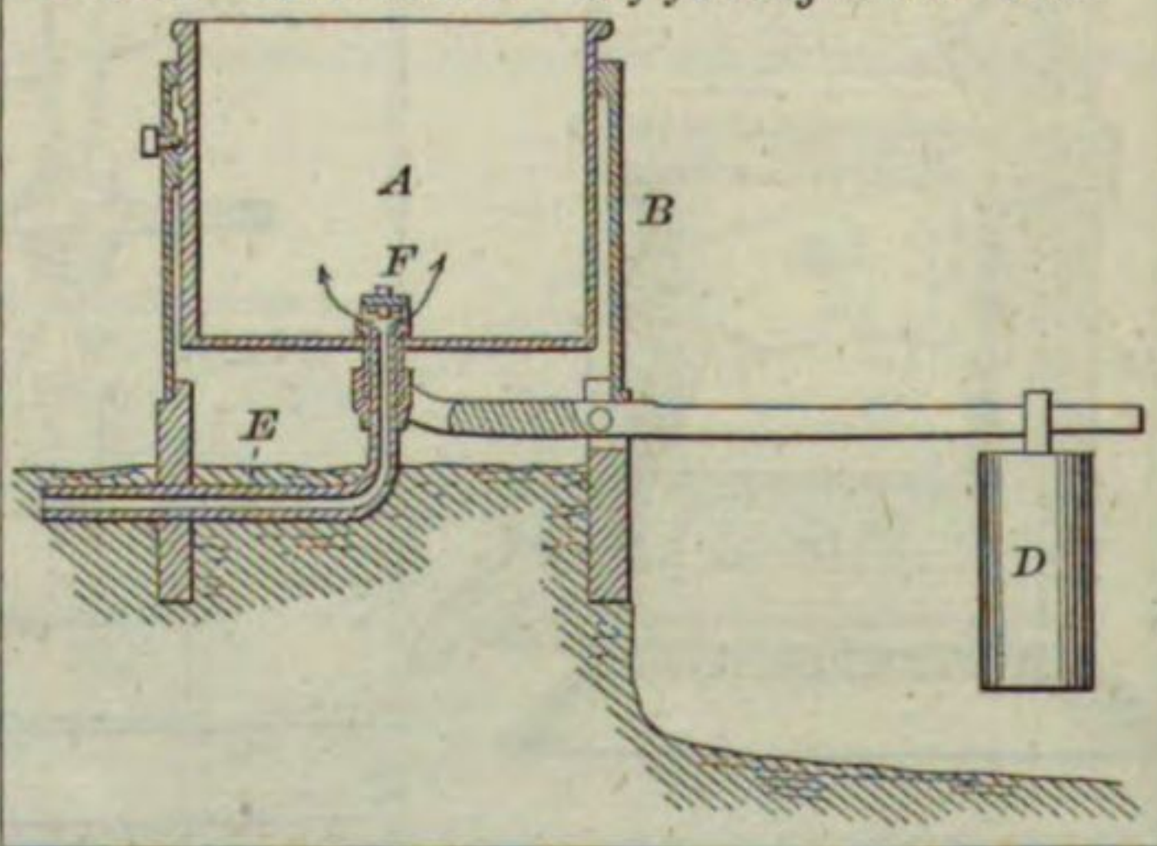
54005—T. Moore—*Feeding Hay Rack.*



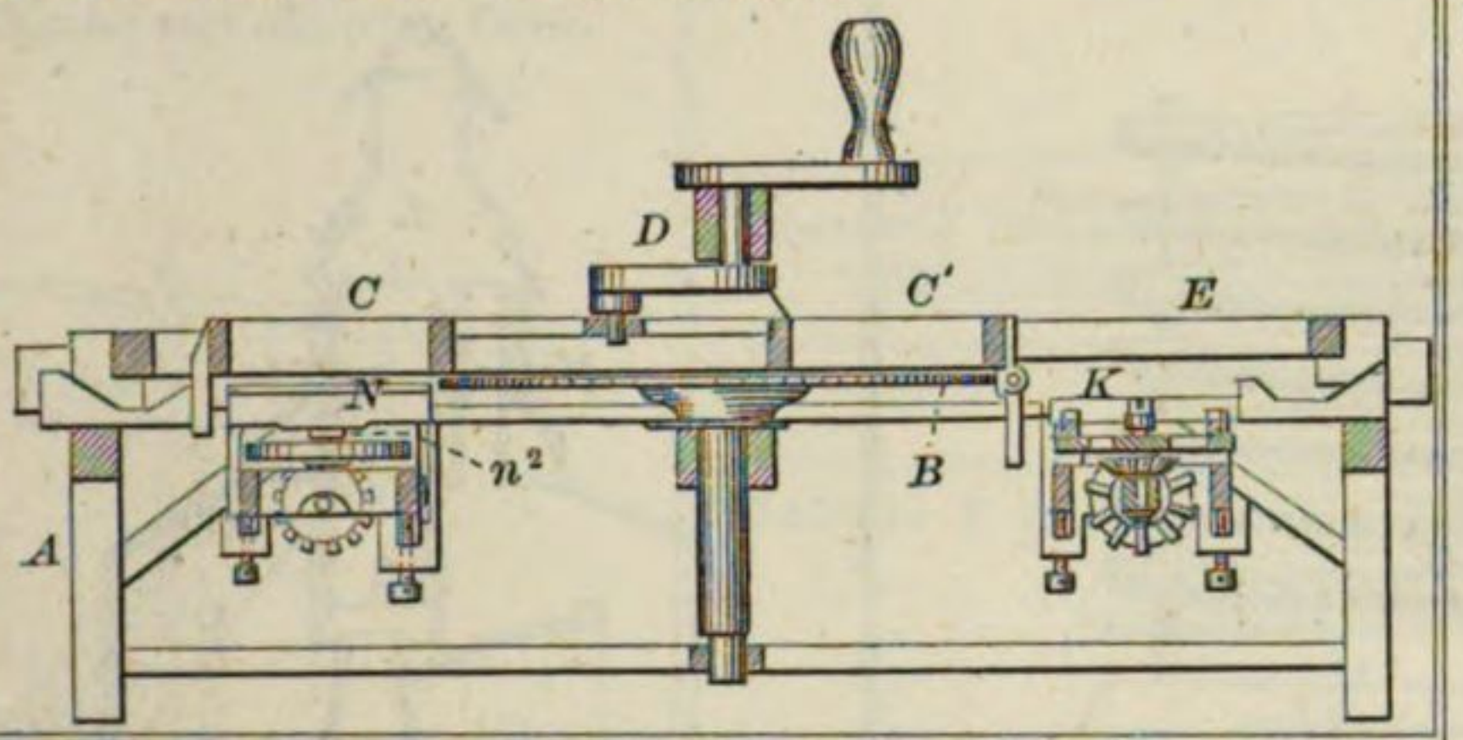
54006—W. J. Norton—*Rotary Engine.*



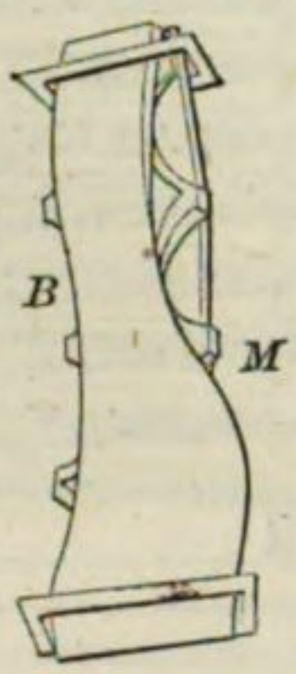
54009—R. S. Pickett—*Self-feeding Water Tank.*



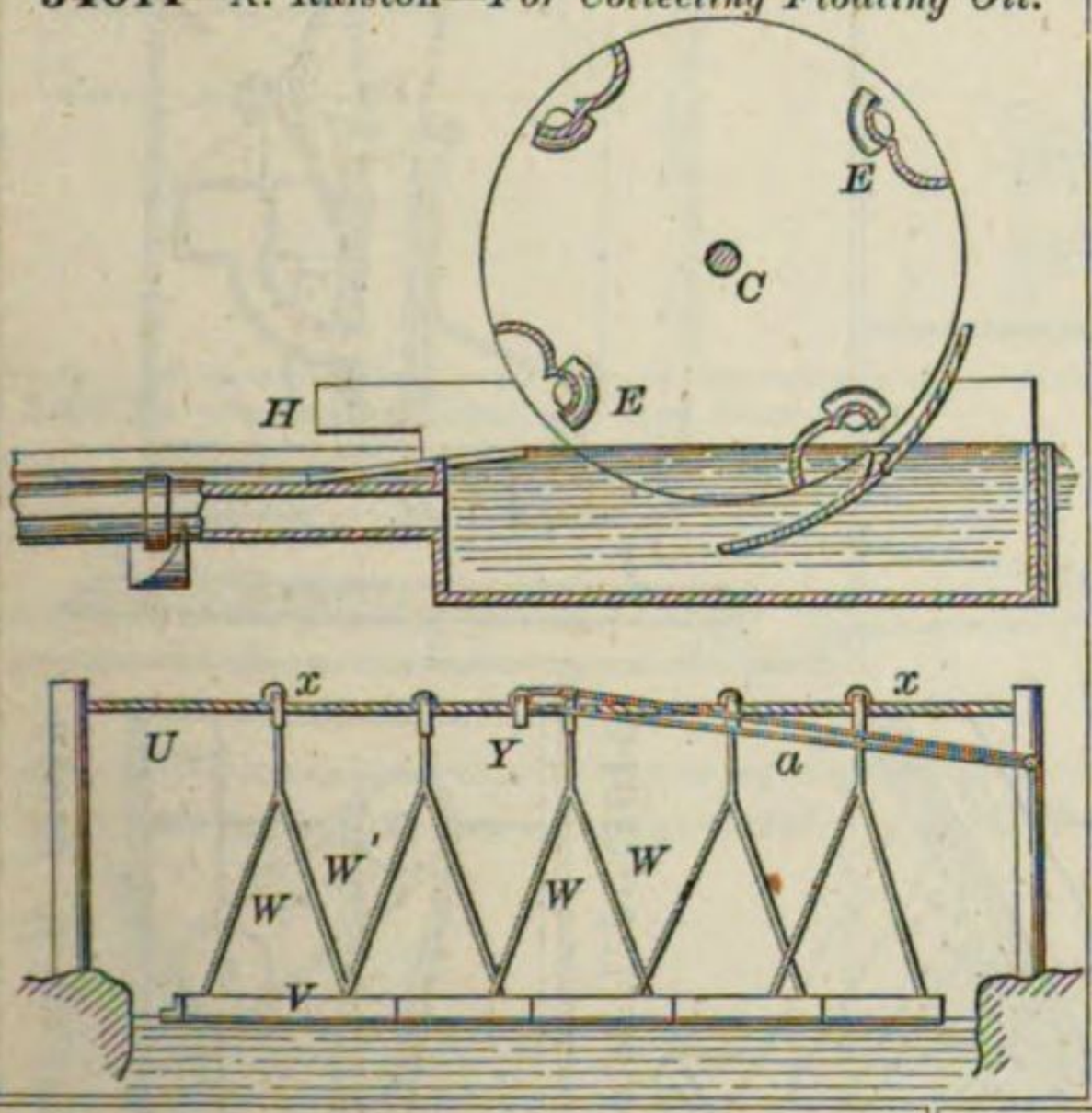
54010—C. L. Pierce—*Shingle Machine.*



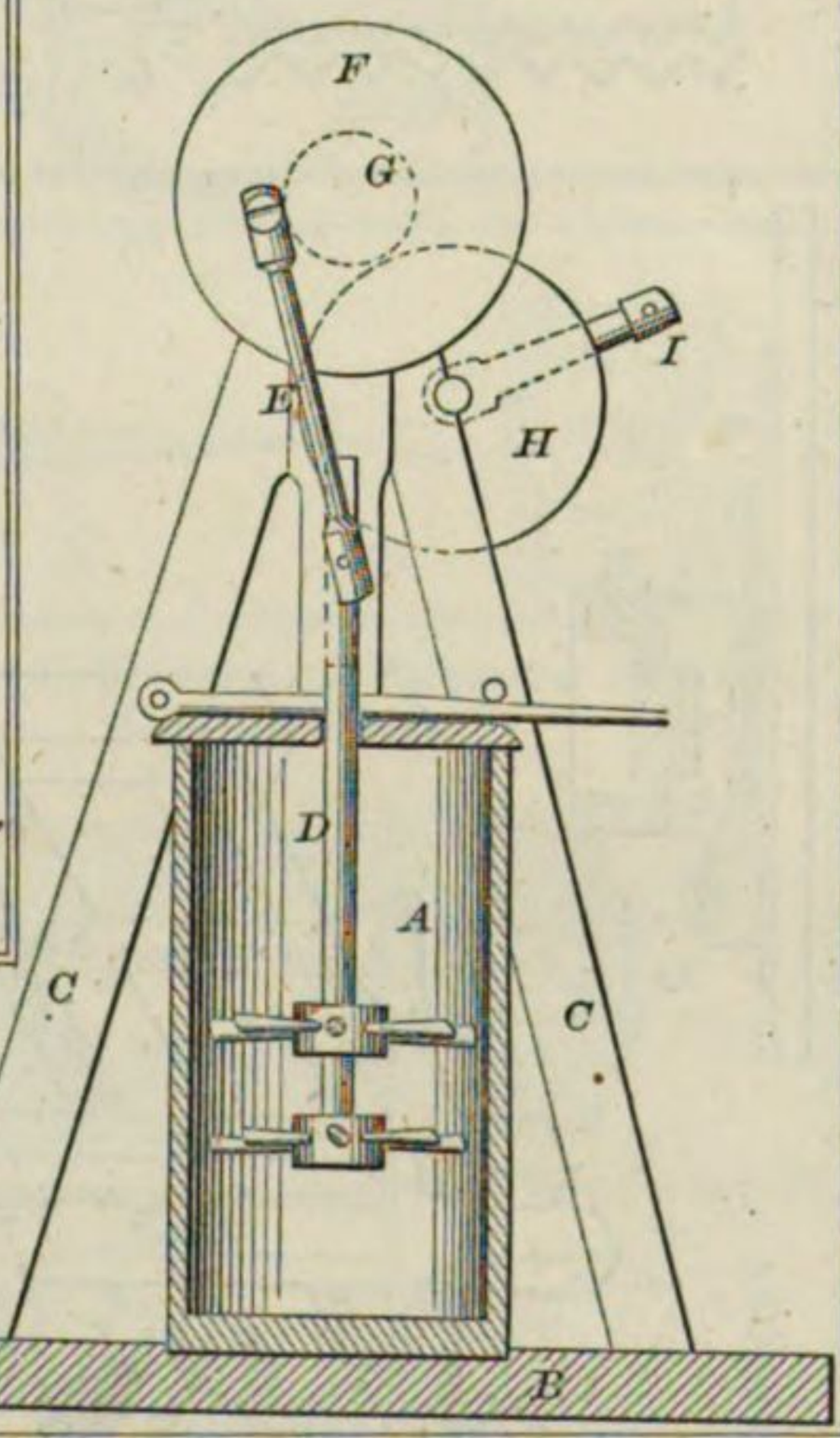
54012—C. Prudden—*Wood Bending Machine.*



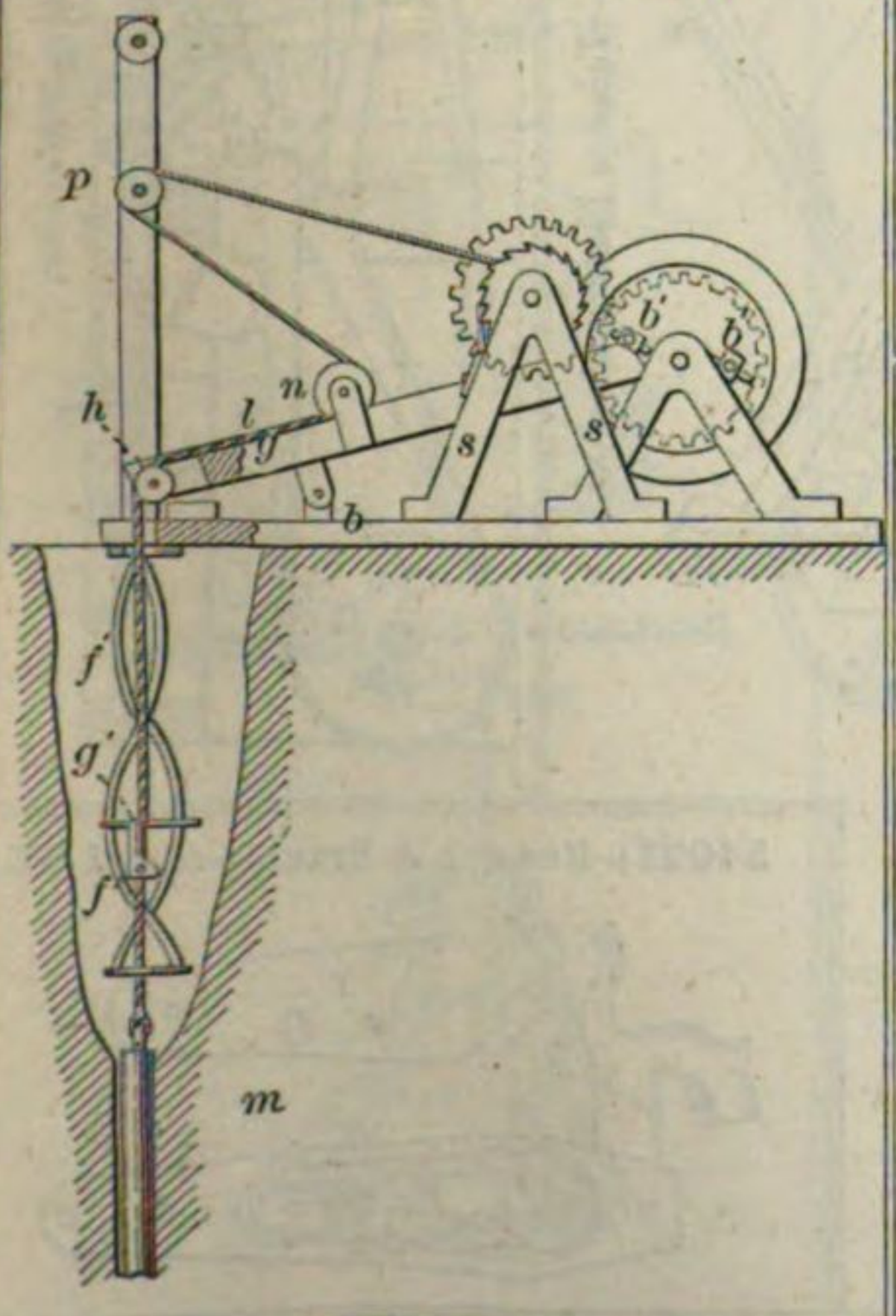
54014—A. Ralston—*For Collecting Floating Oil.*



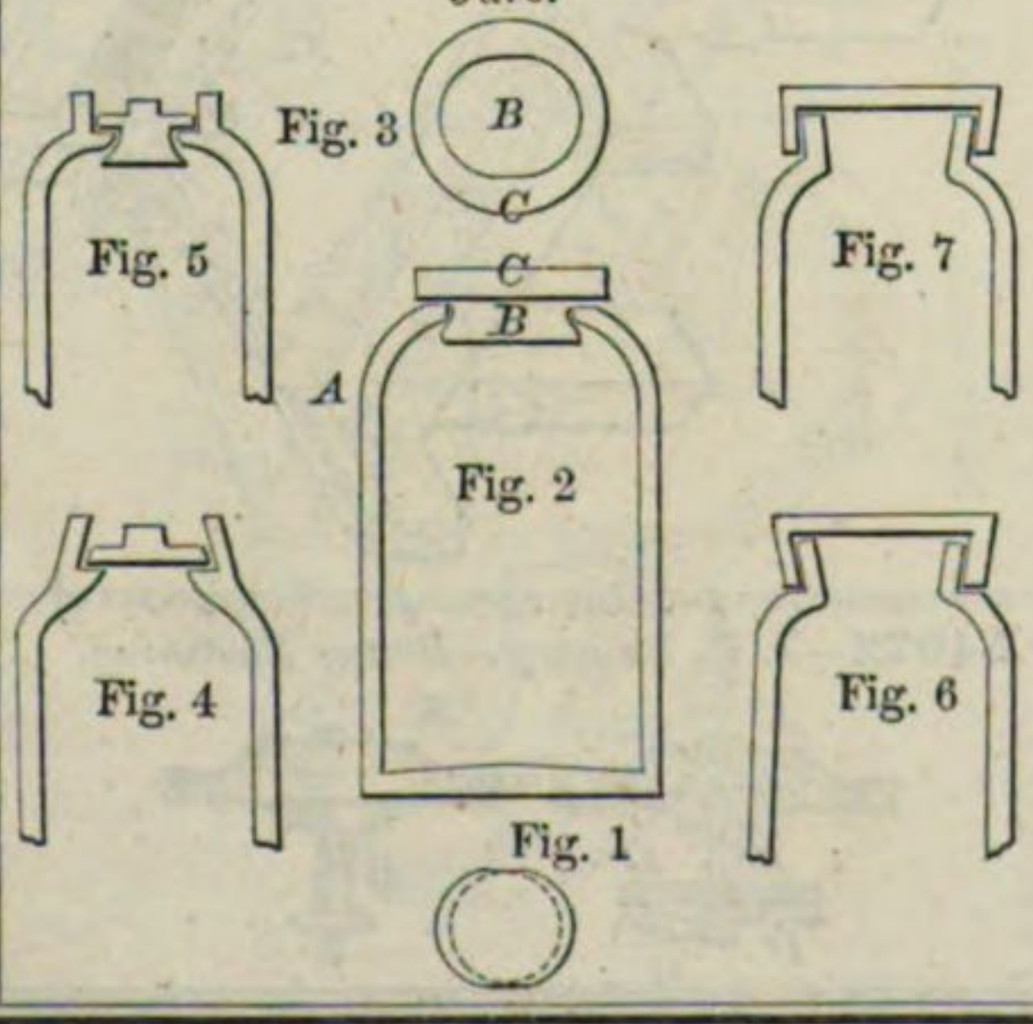
54013—J. F. Quimby—*Churn.*



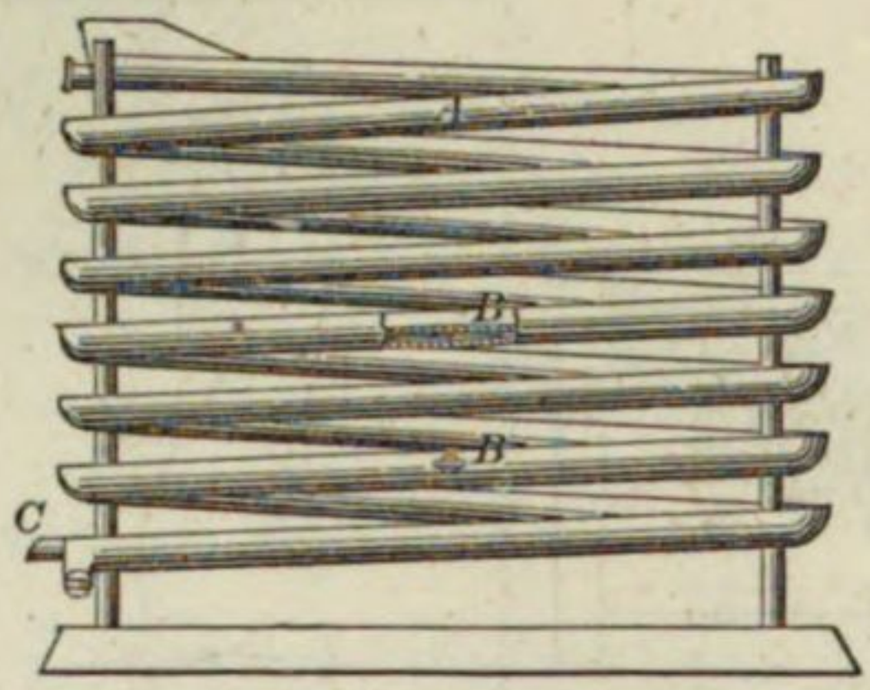
54011—G. R. Platt—*Oil Well Drill.*



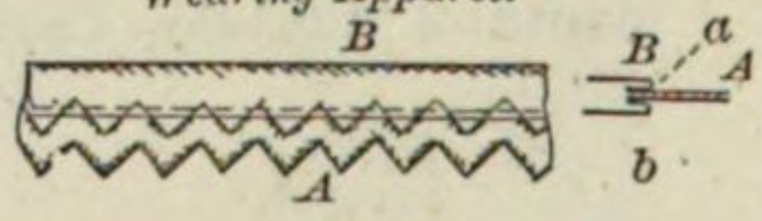
54015—G. M. Ramsy—*Constructing Fruit Jars.*



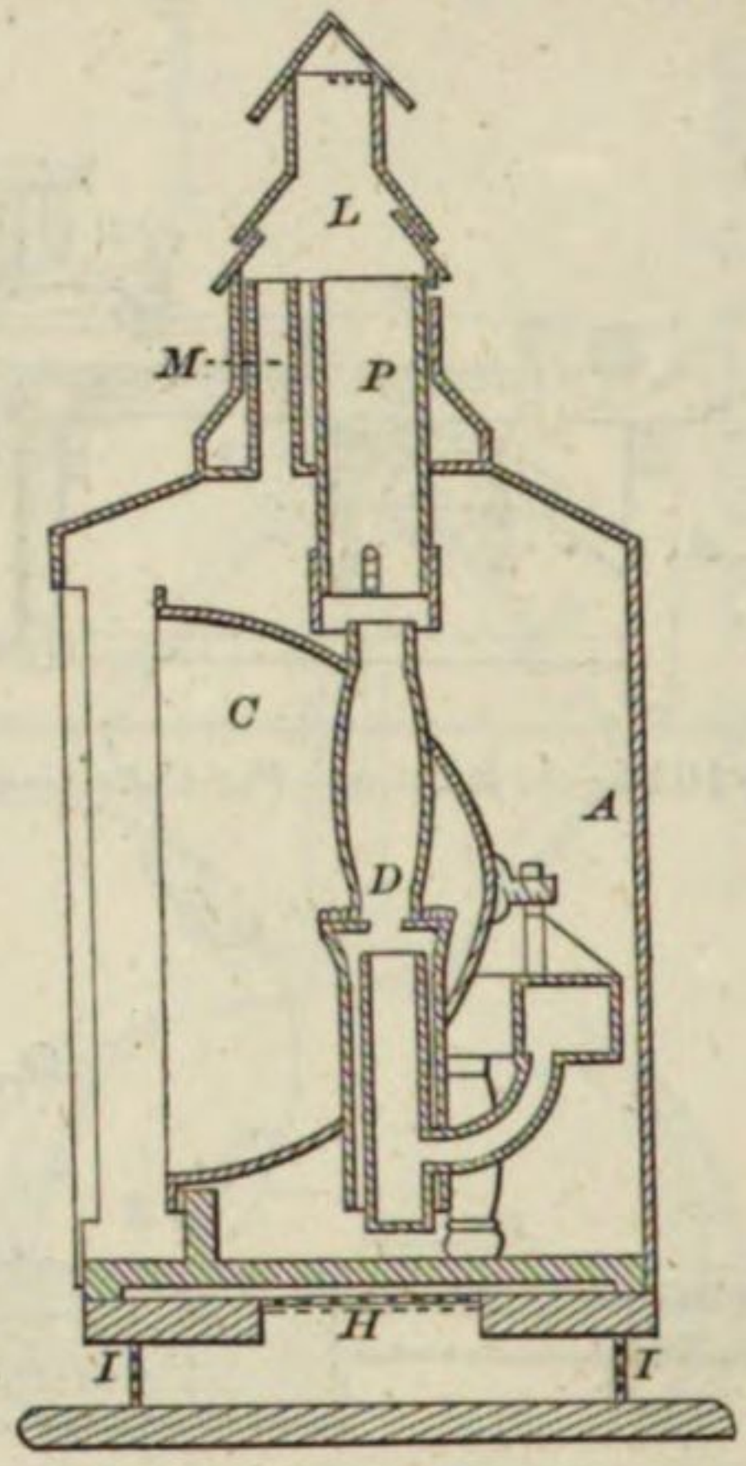
54016—Reutlinger & Herbert—*Liquid Cooler.*



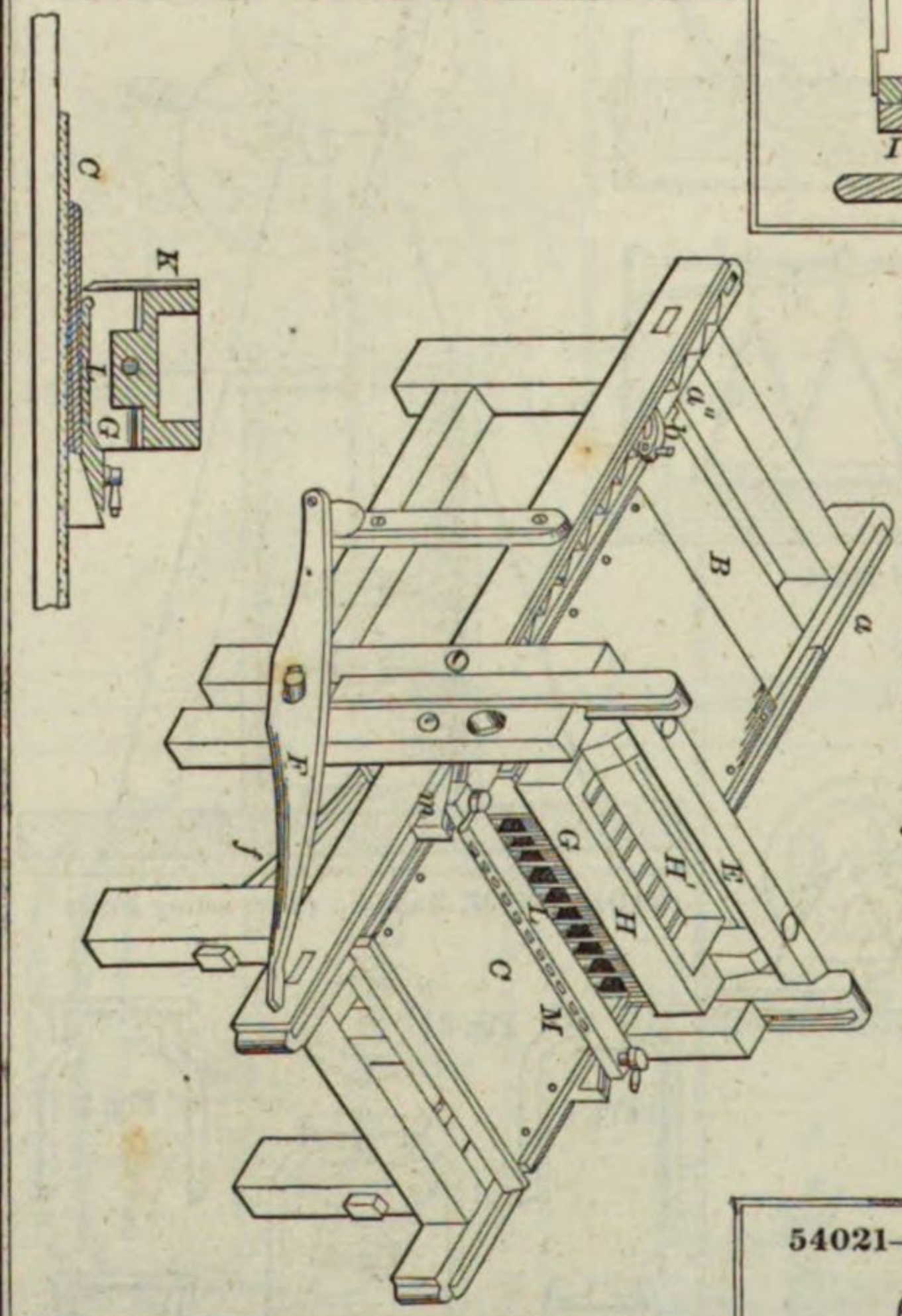
54018—A. A. Rockwell—*Trimming for Wearing Apparel.*



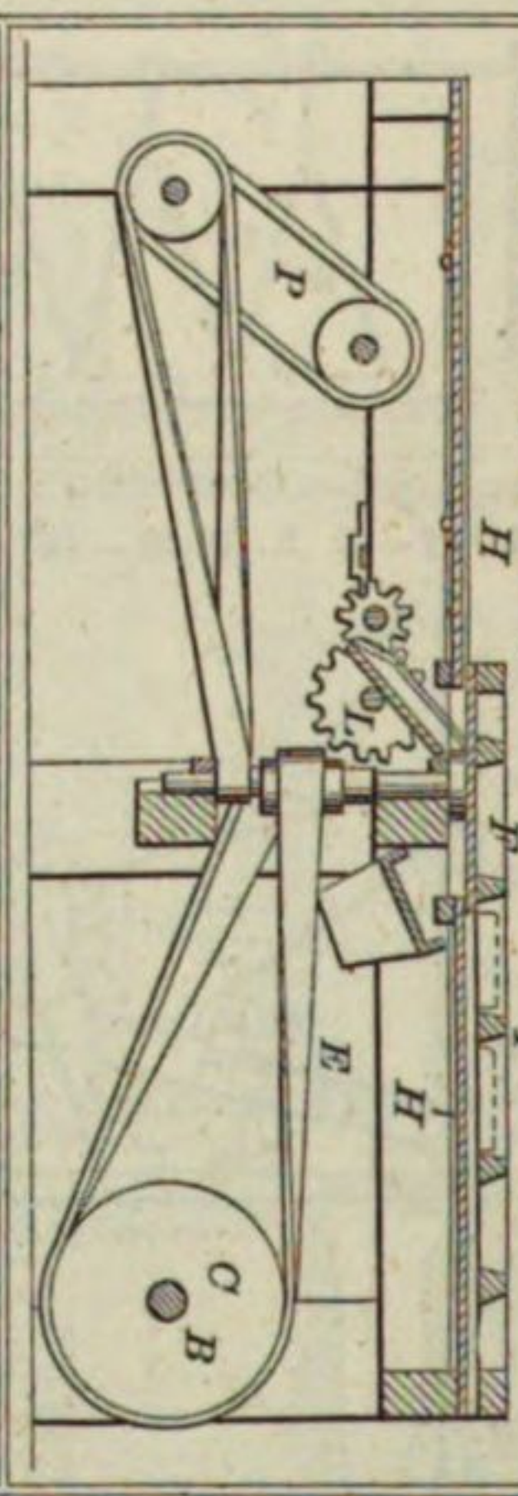
54020—M. M. Rounds—*Head Light.*



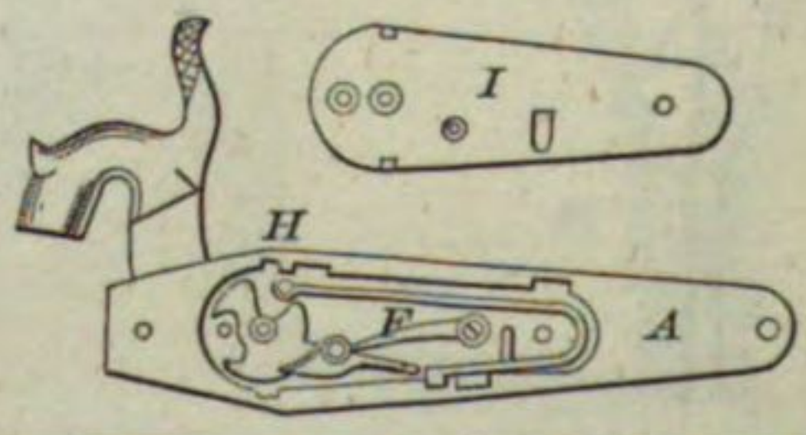
54017—J. I. Robbins—*Tobacco Cutting Machine.*



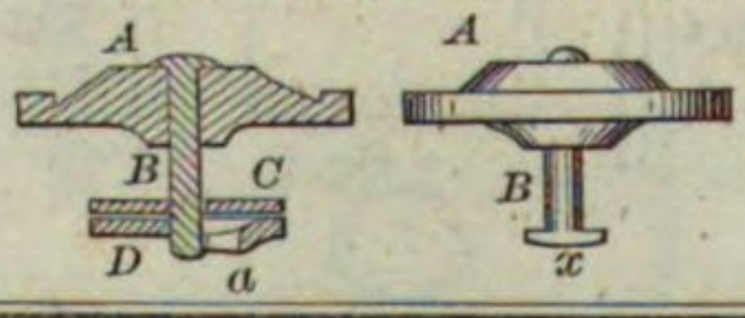
54019—H. Rogers—*Shingle Machine.*



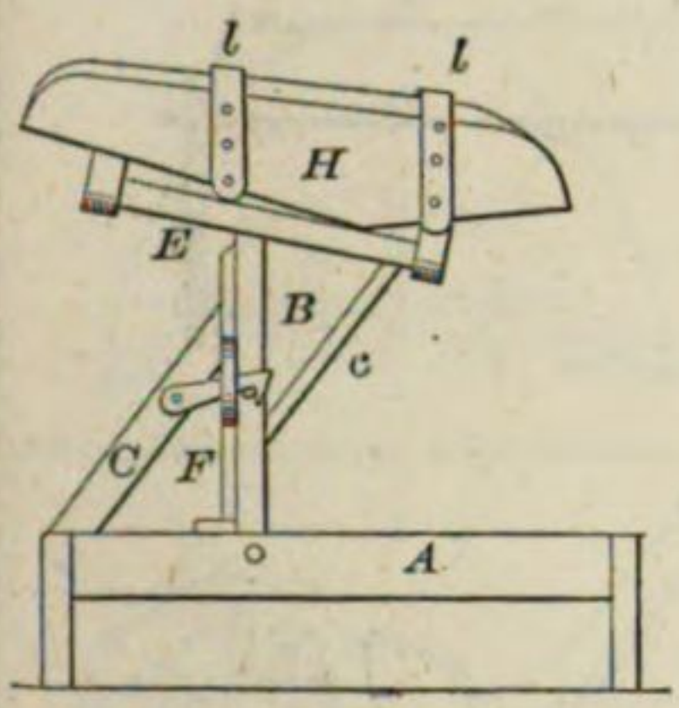
54021—Rudolph & Braun—*Gun Lock.*



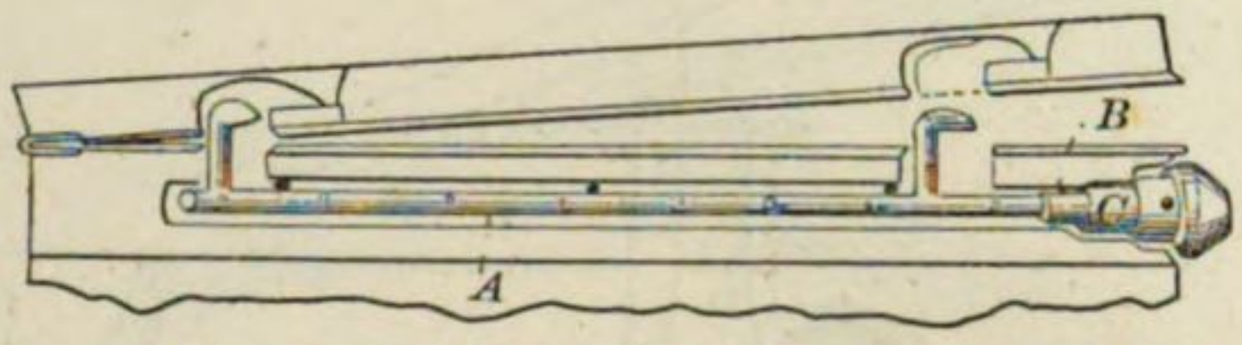
54022—J. B. Rumsey—*Button Fastening.*



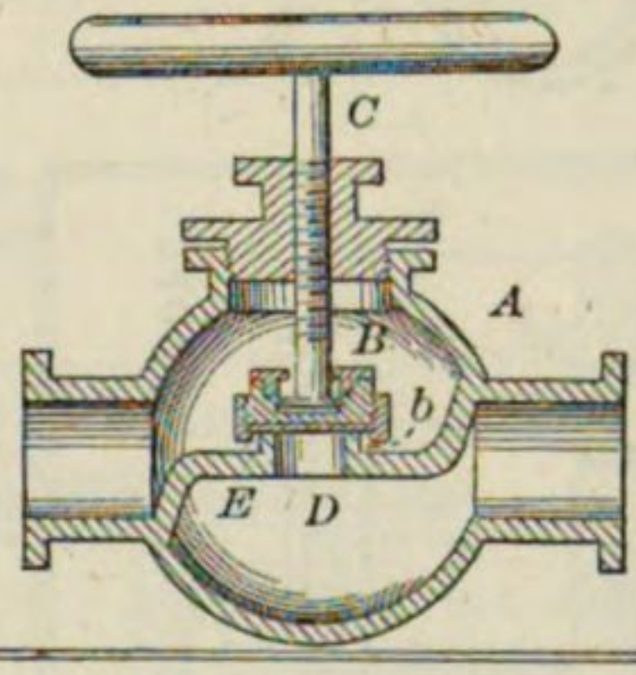
54023—S. L. Sage—*Sheep Holder and Shearing Table.*



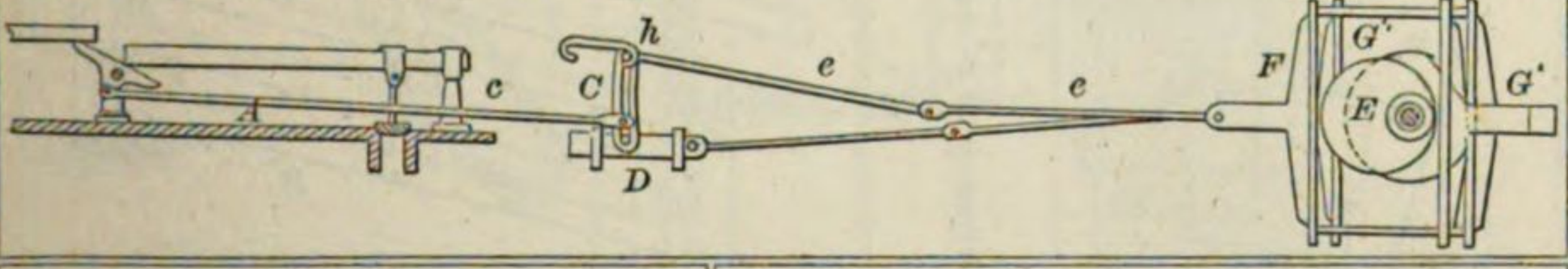
54024—Scharit & Oppenheimer—*Trunk Lock.*



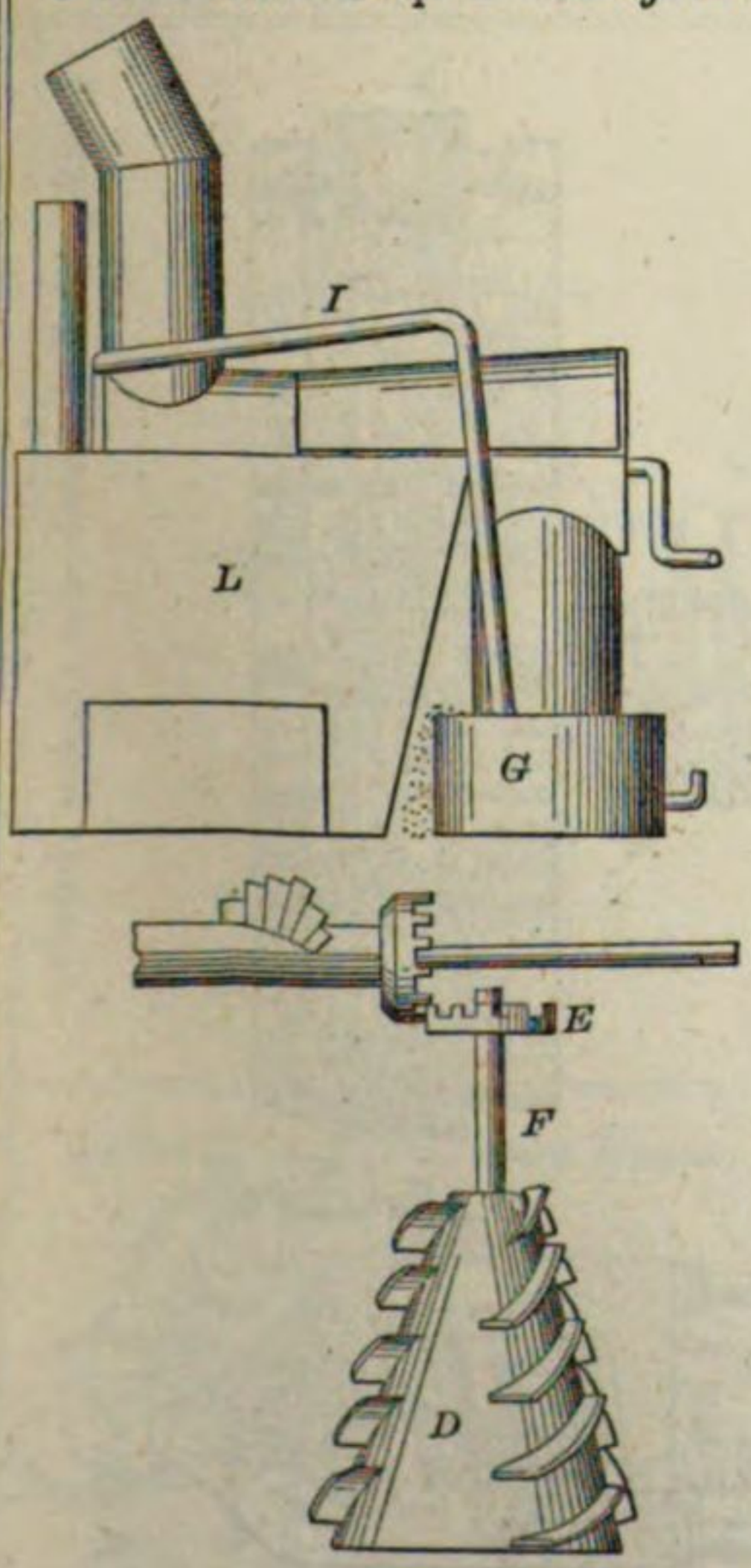
54025—T. A. Searle—*Globe Valve.*



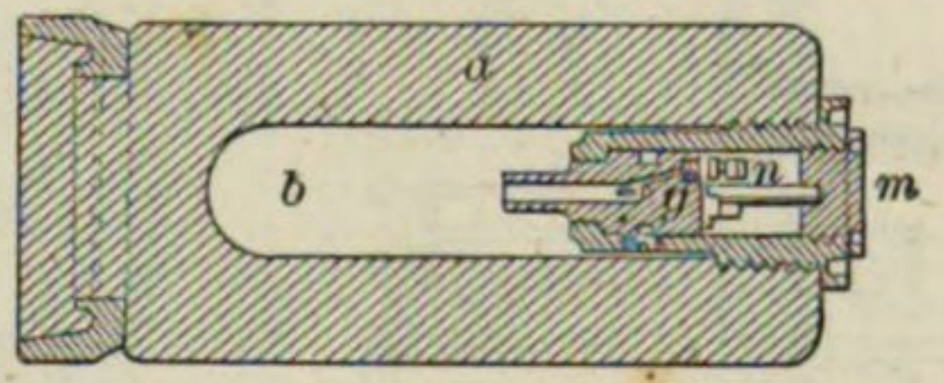
54026—Seely & Cabbell—*Valve Gear.*



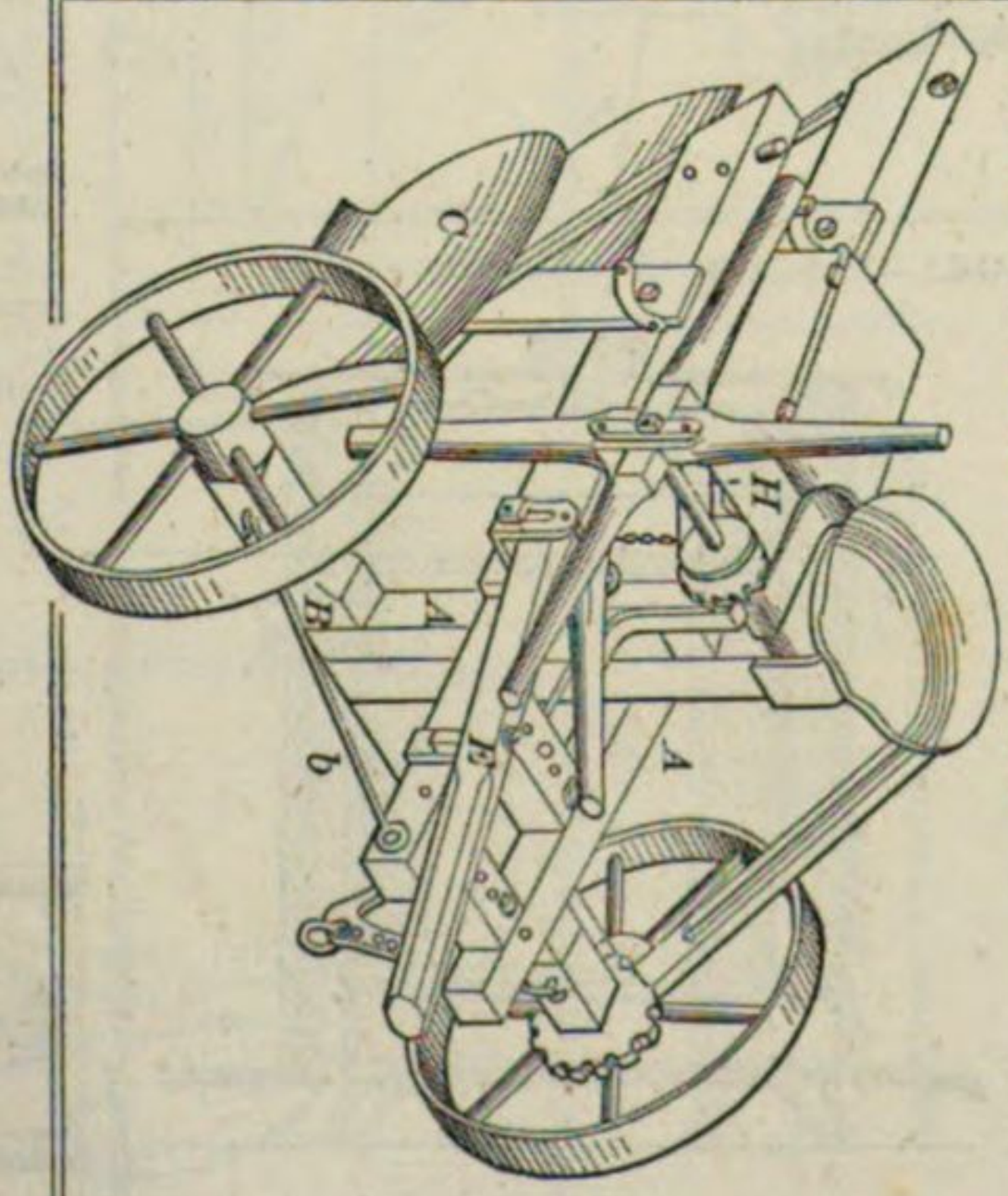
54028—G. B. Simpson—*Amalgamator.*



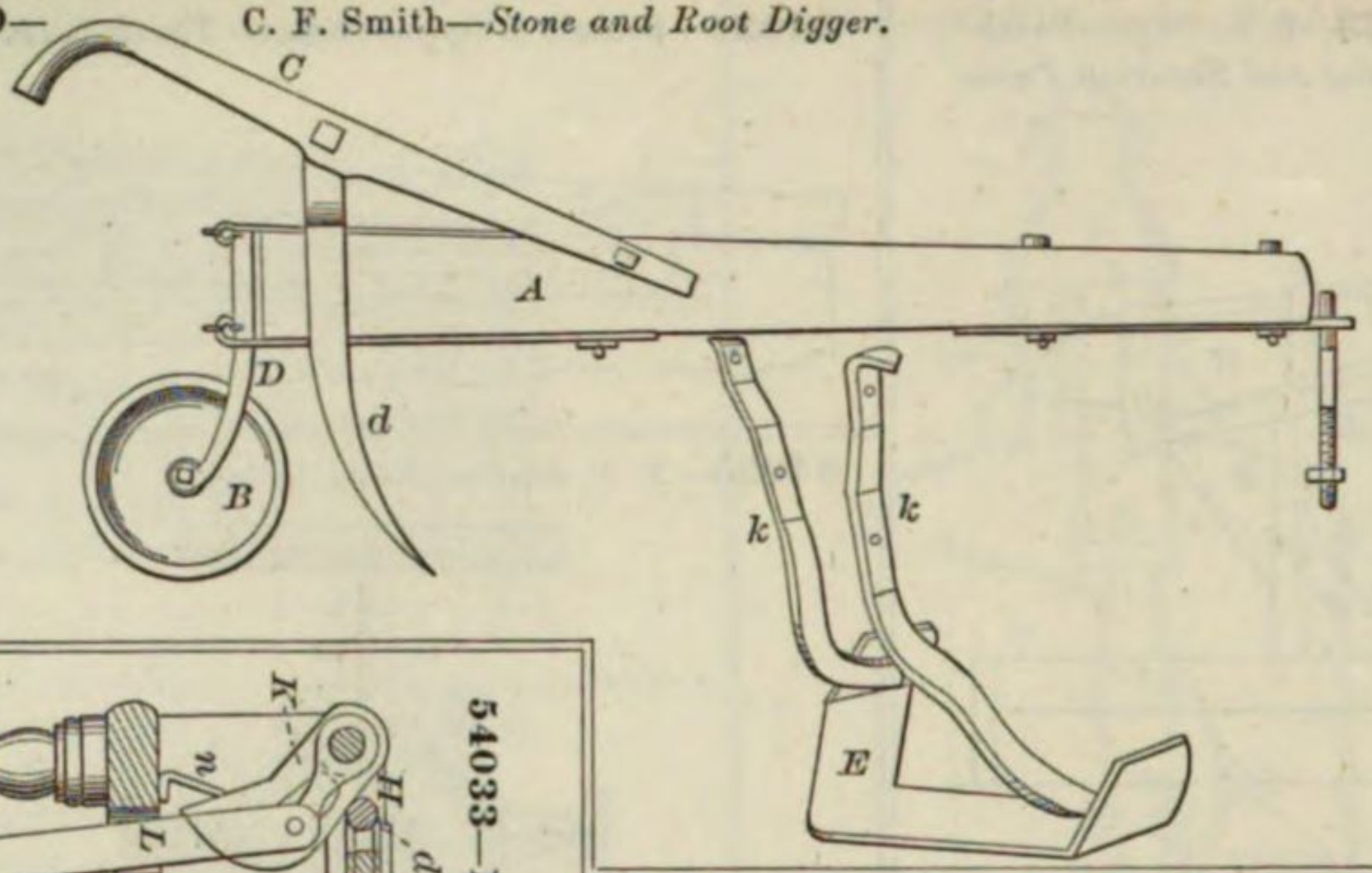
54027—J. F. Sherman—*Percussion Fuse for Explosive Shells.*



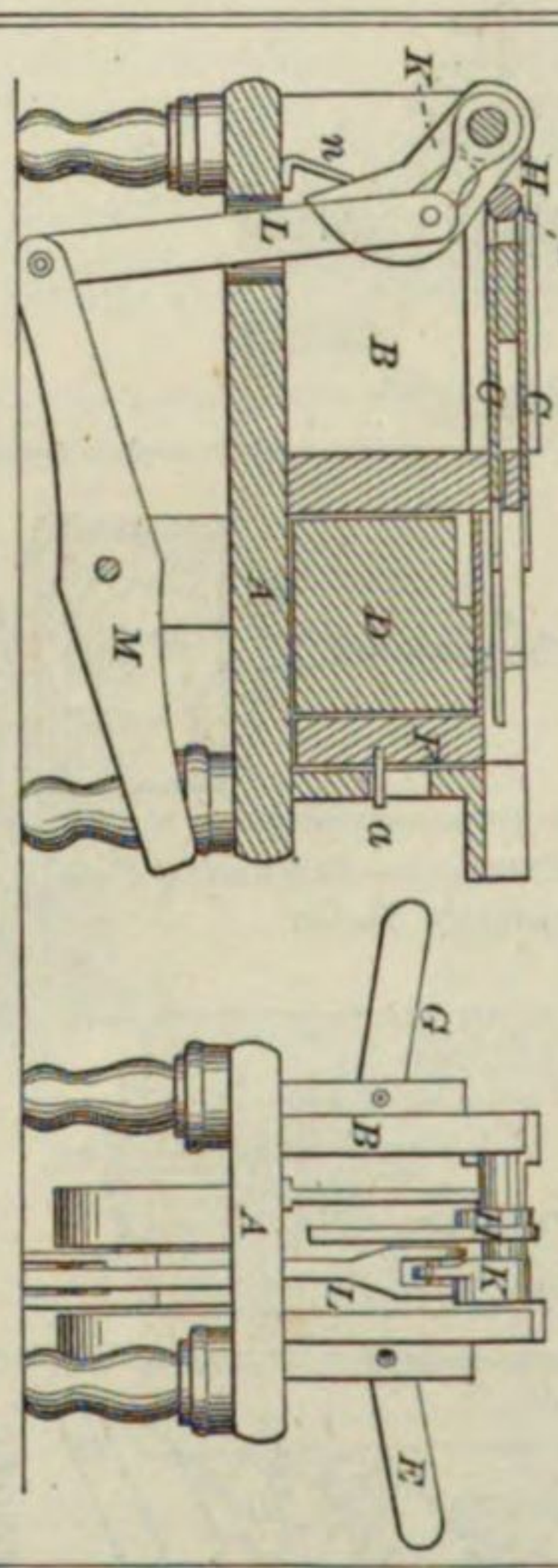
54029—J. B. Skinner—*Gang Plow.*



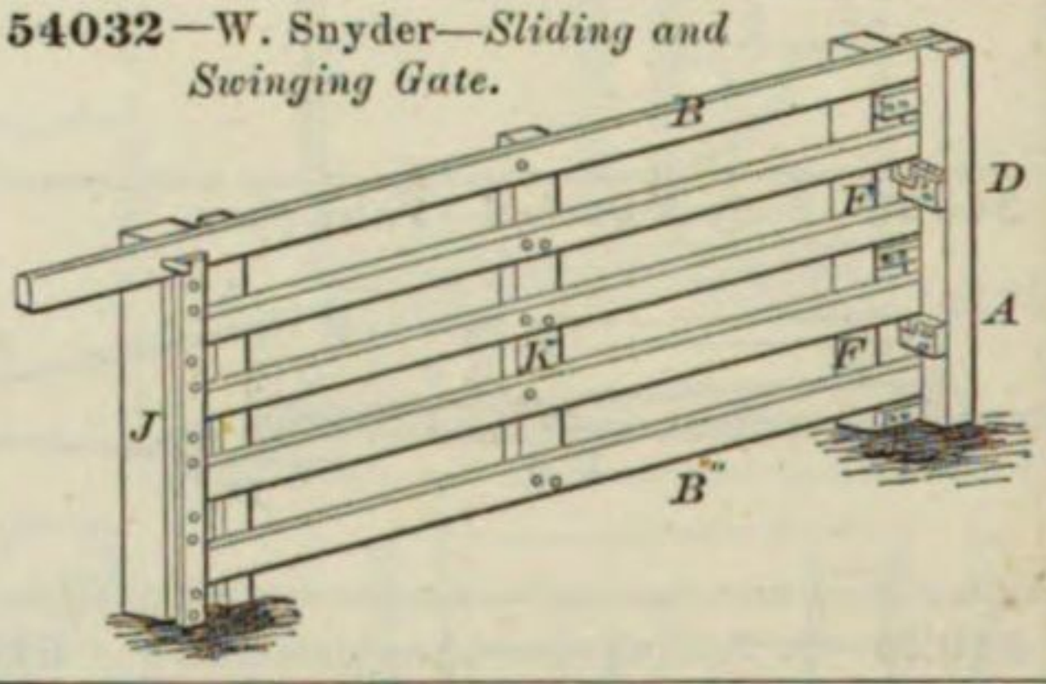
54030— C. F. Smith—*Stone and Root Digger.*



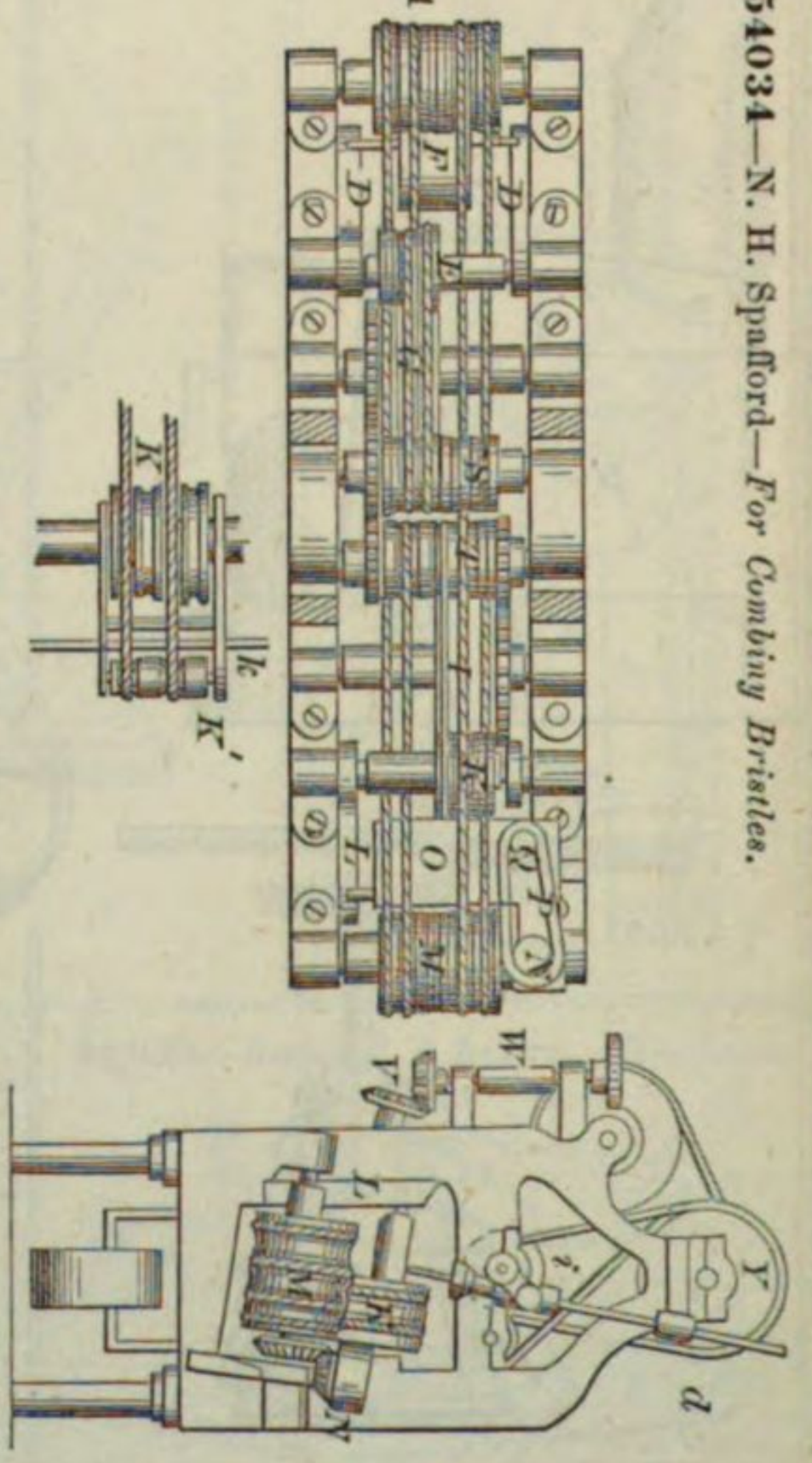
54033—N. H. Spafford—*For Bundling Bristles.*



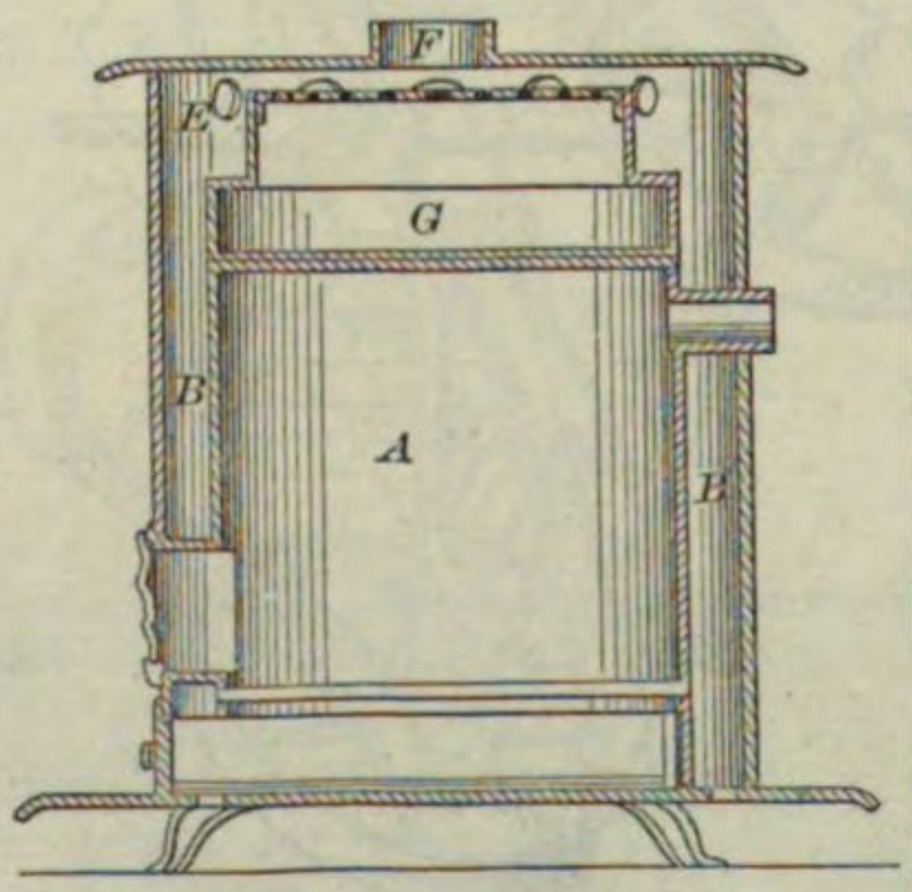
54032—W. Snyder—*Sliding and Swinging Gate.*



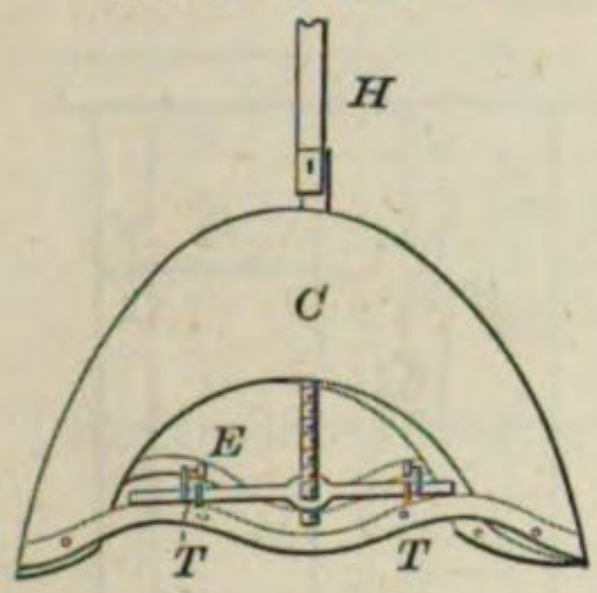
54034—N. H. Spafford—*For Combing Bristles.*



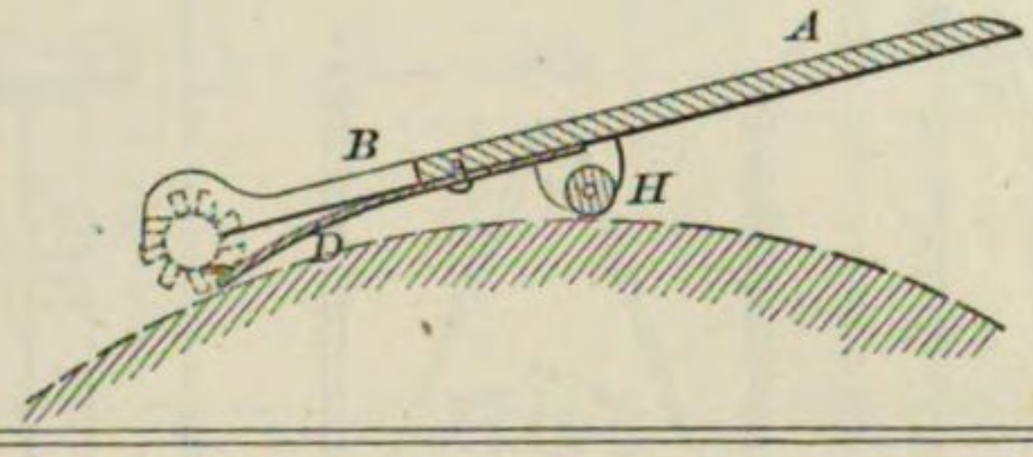
54031—S. Smith—*Heating Stove.*



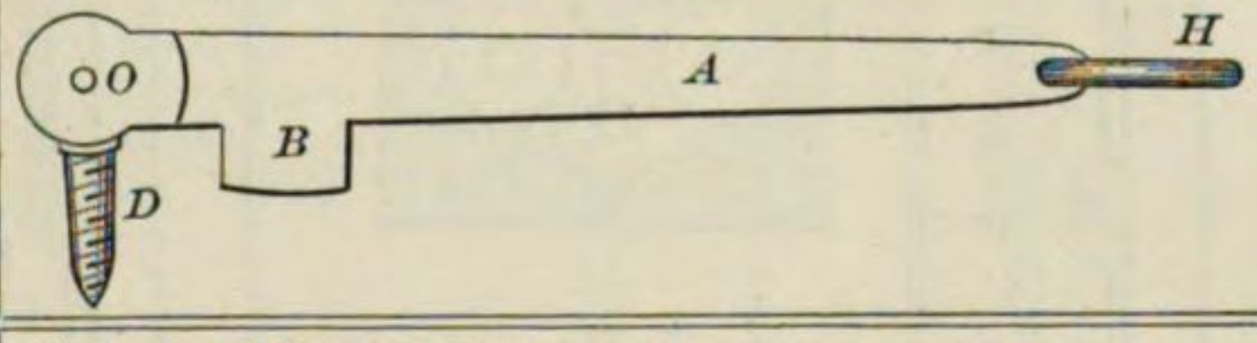
54035—G. T. Spaulding—
Broom Head.



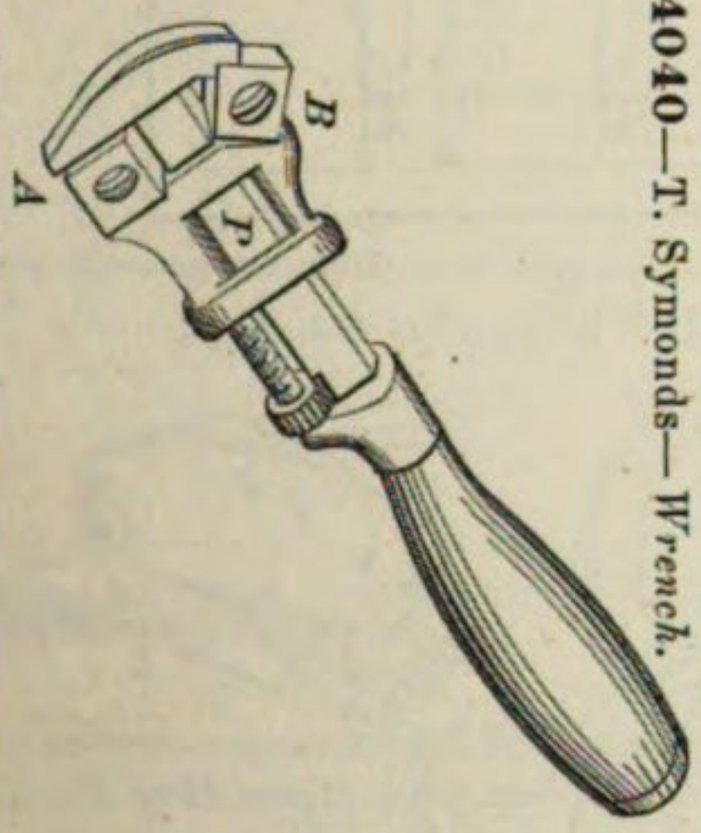
54036—N. F. Stone—*Cutter Grinder.*



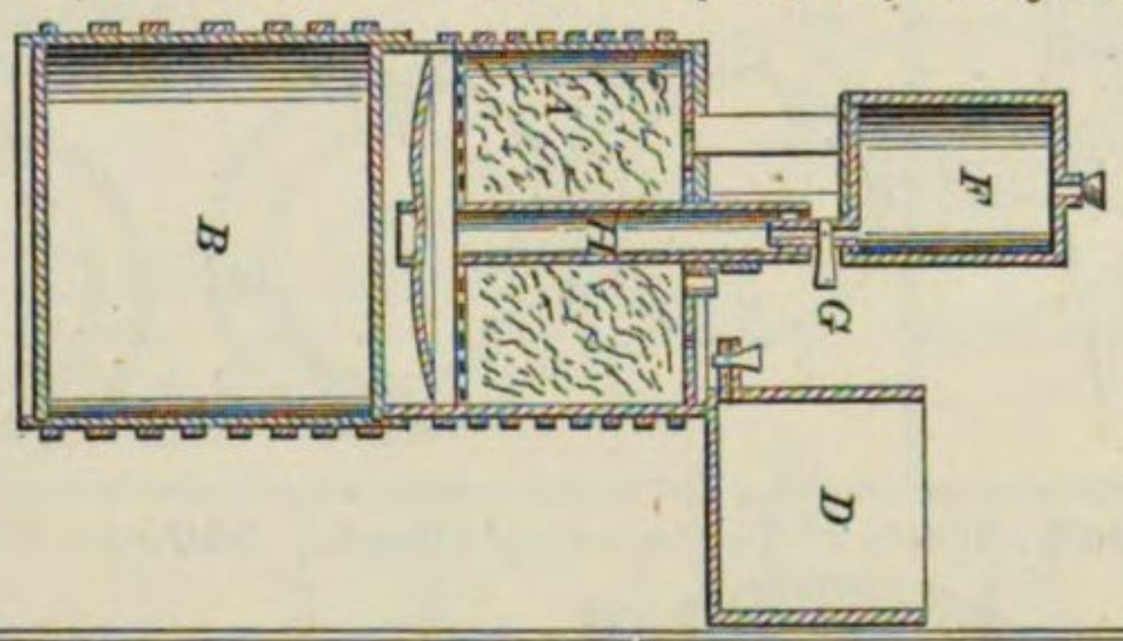
54039—S. Swartz—*Removing Stoppers from Oyster Kegs.*



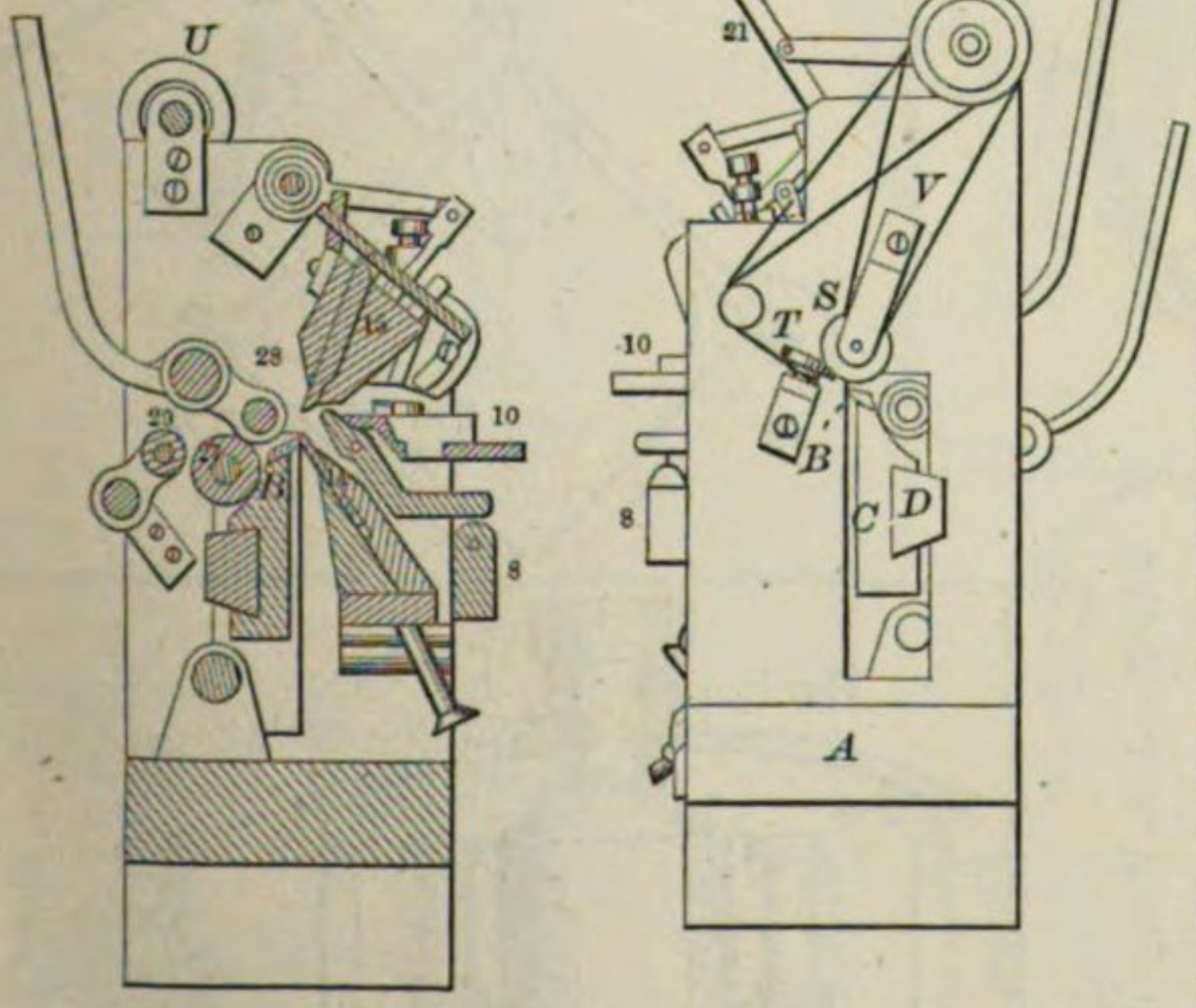
54040—T. Symonds—*Wrench.*



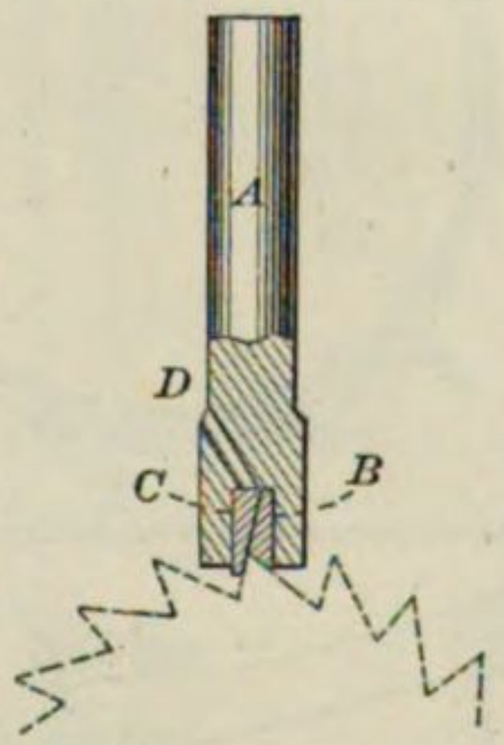
54041—Tiffany & Wilson—*Manufacture of Vinegar.*



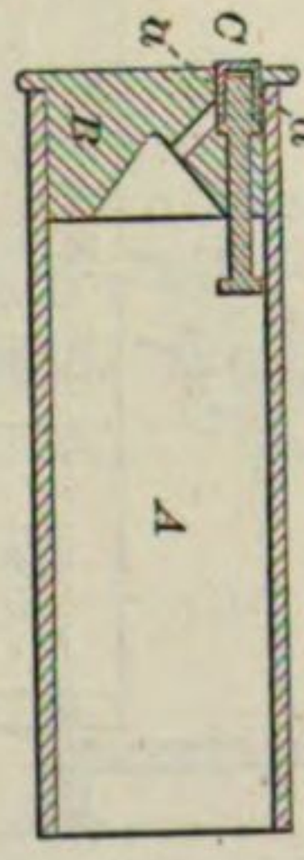
54043—A. H. Van Gieson—*Leather Splitting Machine.*



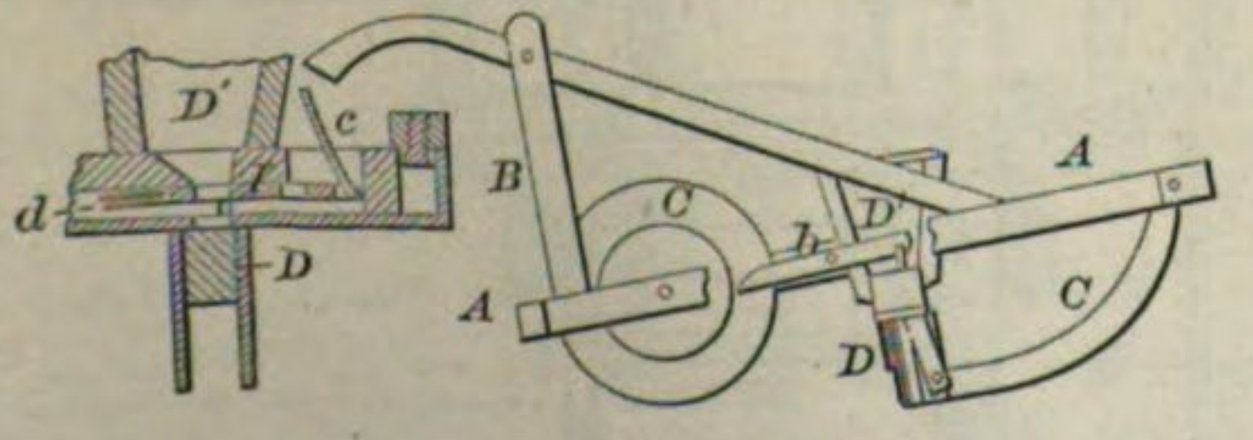
54037—N. F. Stone—
For Upsetting Saw Teeth.



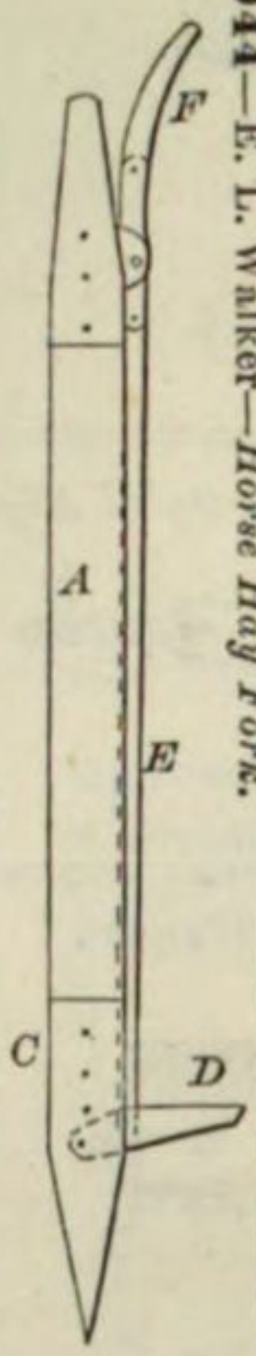
54038—T. L. Sturtevant—*Priming Metallic Cartridges*



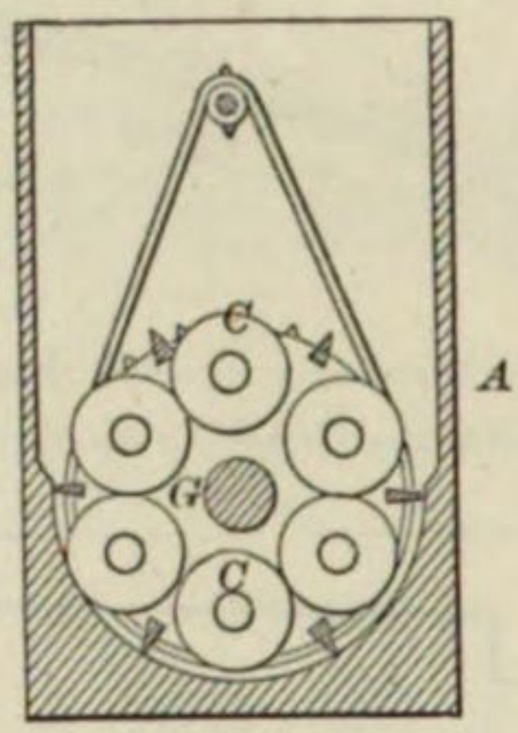
54042—A. Upson—*Corn Planter.*



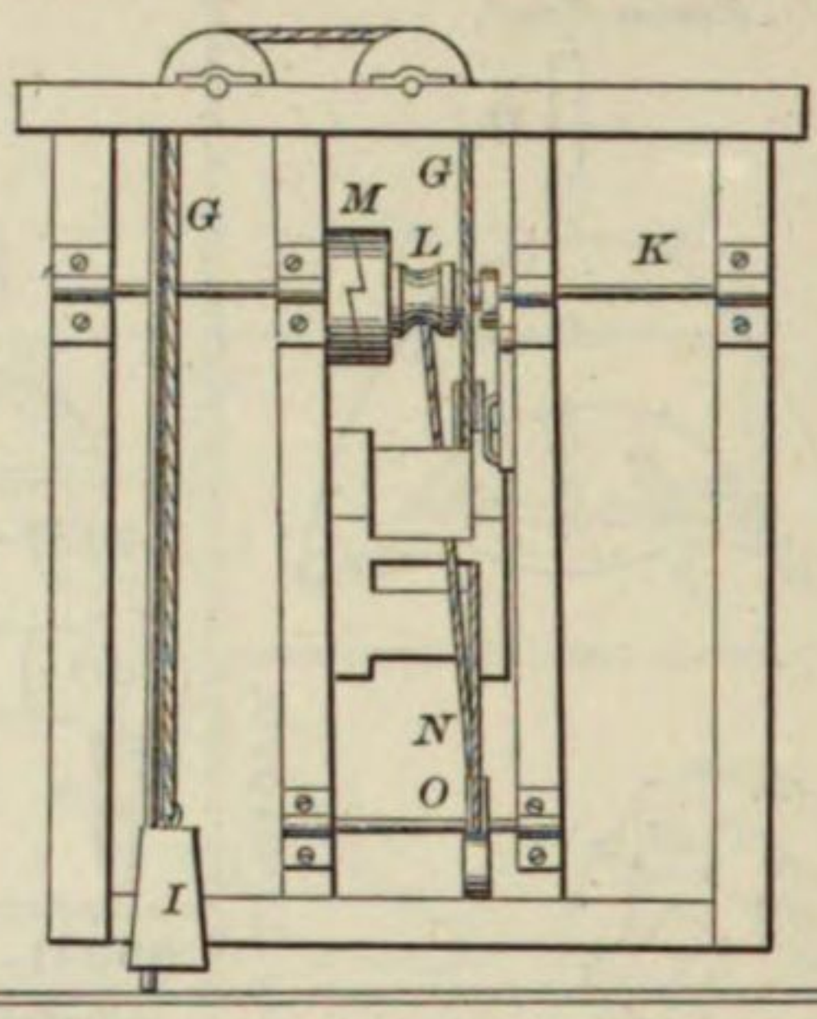
54044—E. L. Walker—*Horse Hay Fork.*

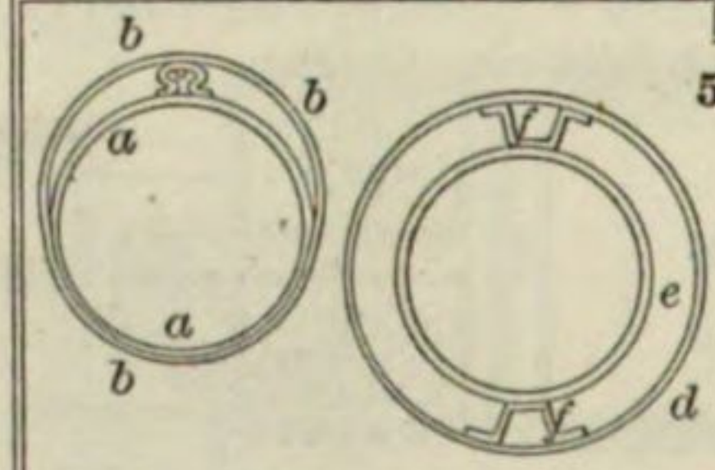


54045—O. G. Warren—
Quartz Comminutor.



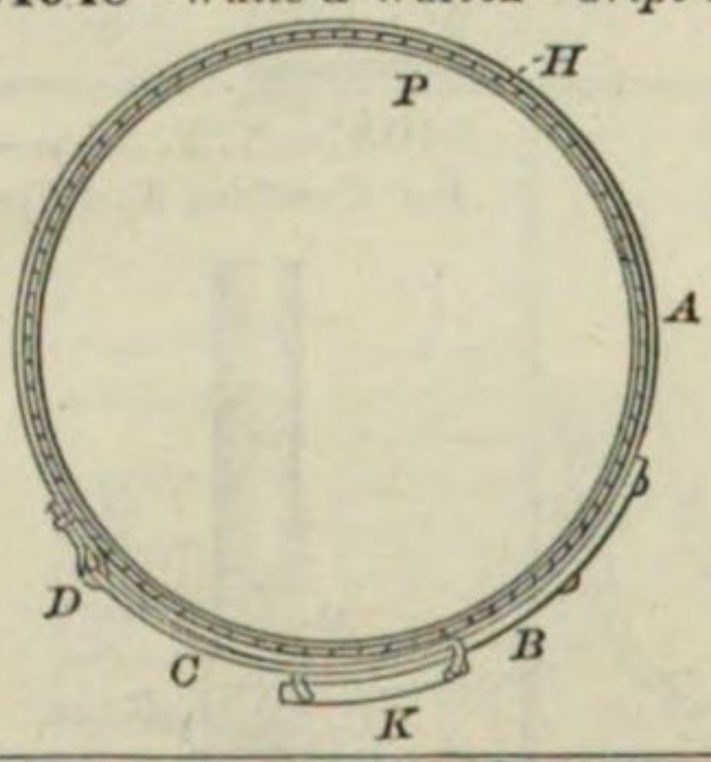
54046—W. J. Wells—*Sawing Machine.*



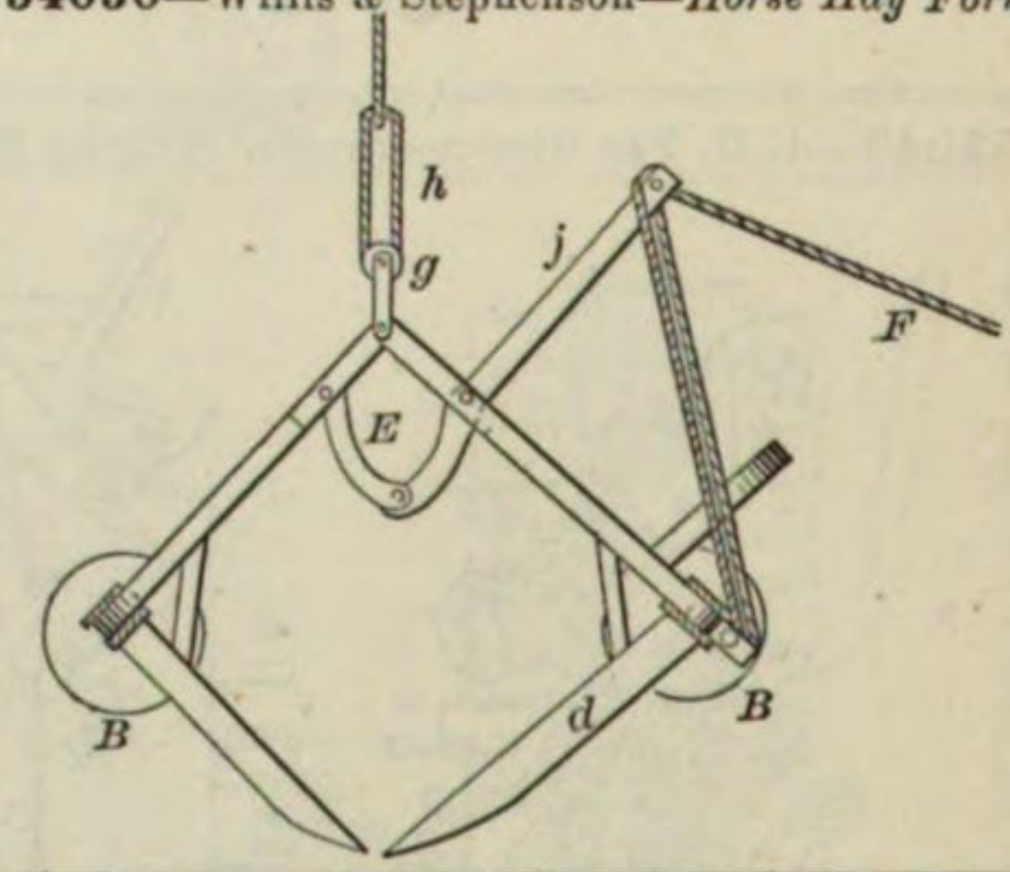


54049—W. H. White—*Hat and Cap.*

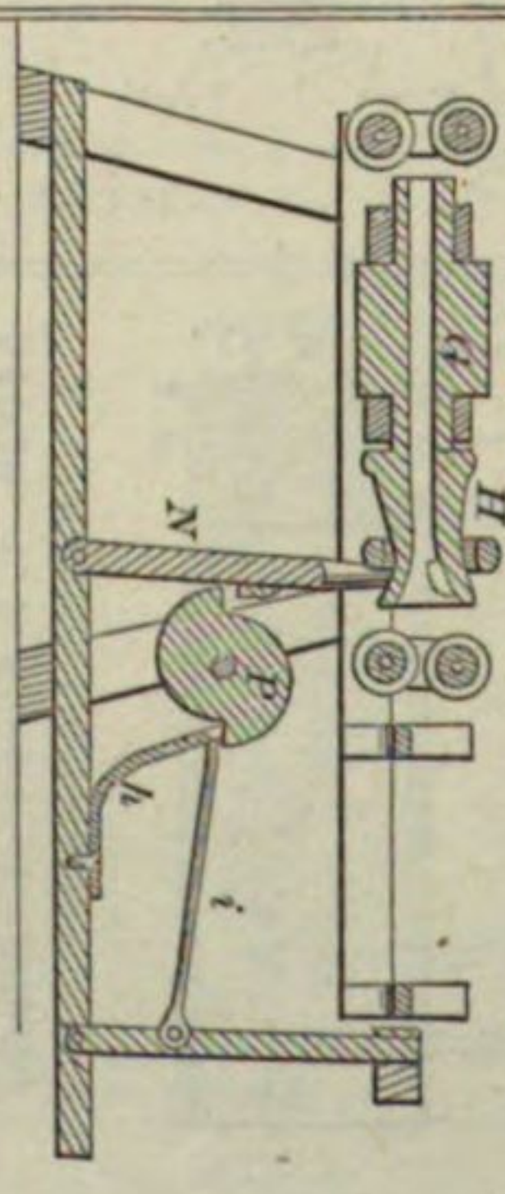
54048—White & Warren—*Gripe Band.*



54050—Willis & Stephenson—*Horse Hay Fork.*

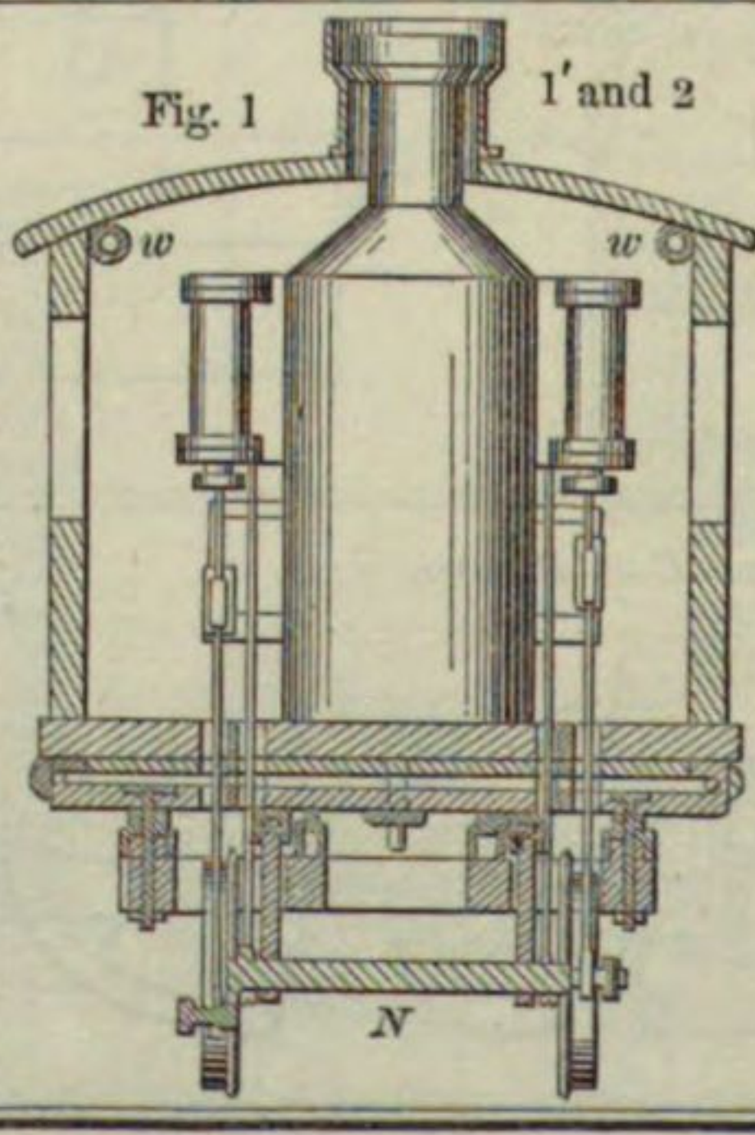


54047—J. R. West—*Wood Turning Lathe.*



54051—J. P Woodbury—*Locomotive Car Truck.*

Fig. 1



1′ and 2

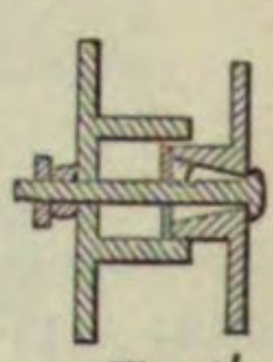
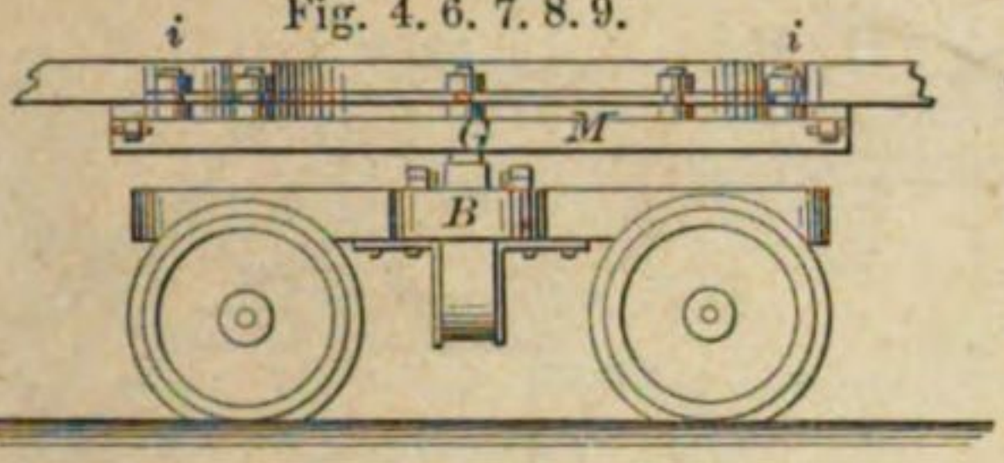


Fig. 6′

54051—*Continued.*

Fig. 4. 6. 7. 8. 9.



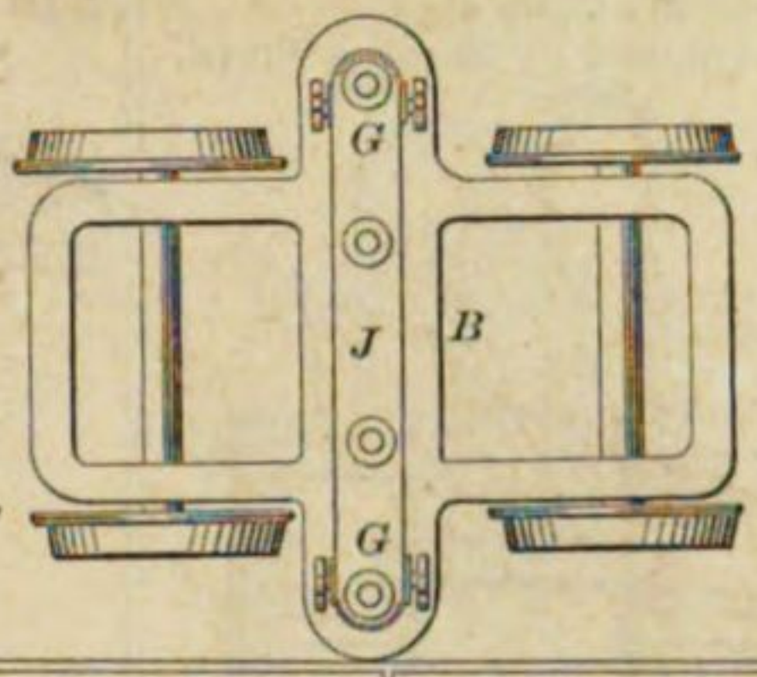
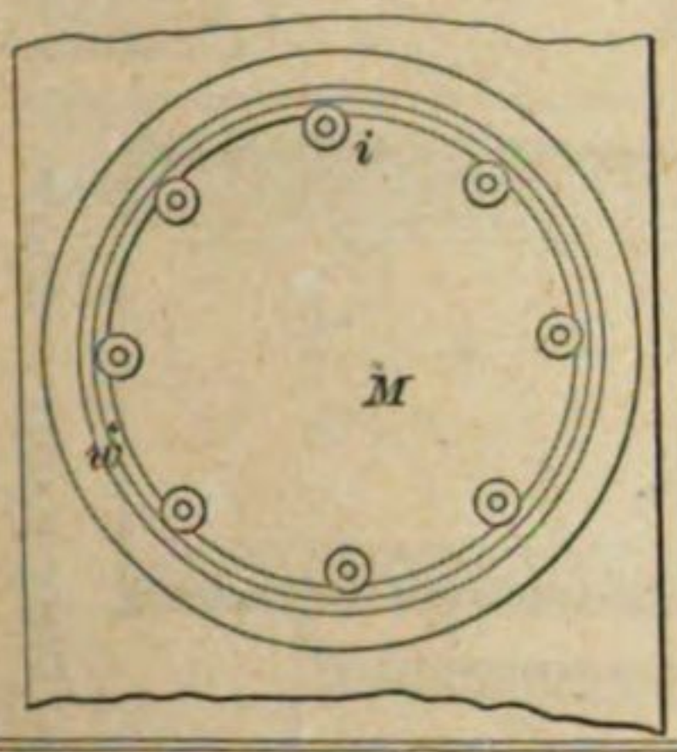
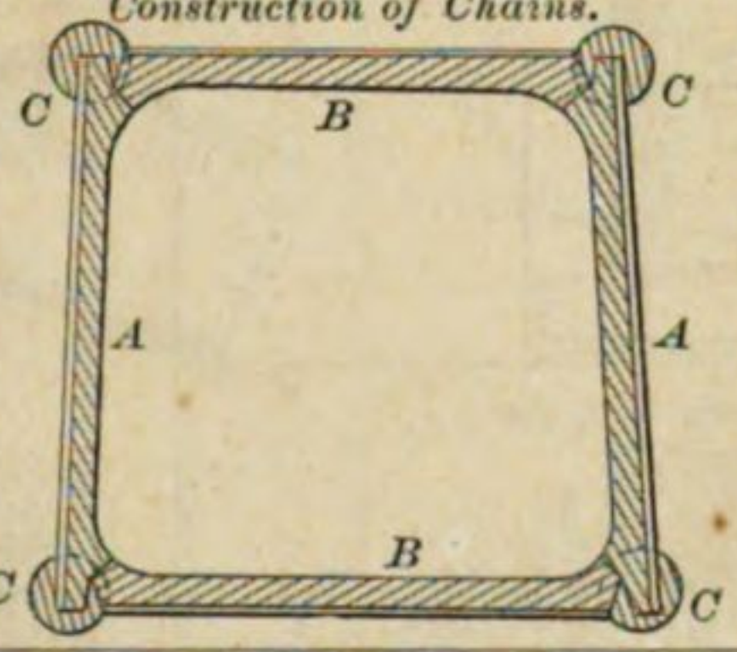


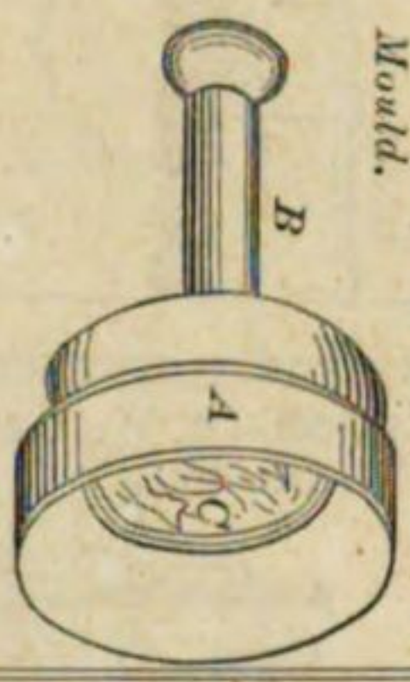
Fig. 10



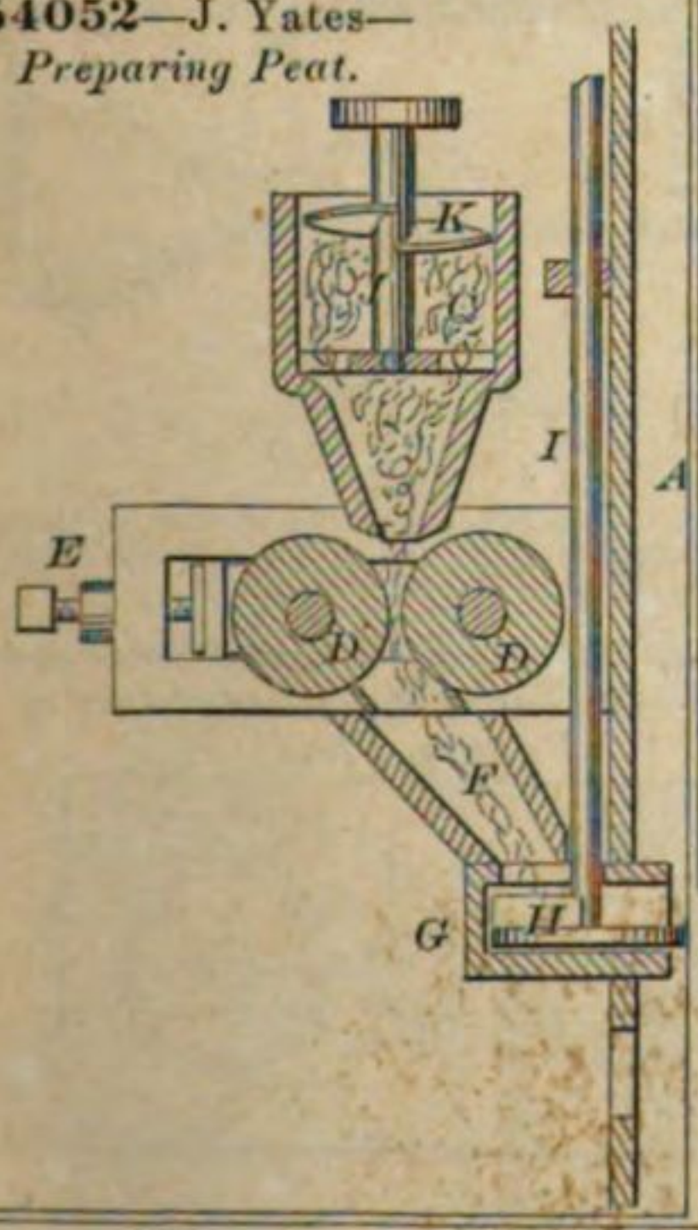
54053—A. & O. A. Bingham—*Construction of Chains.*



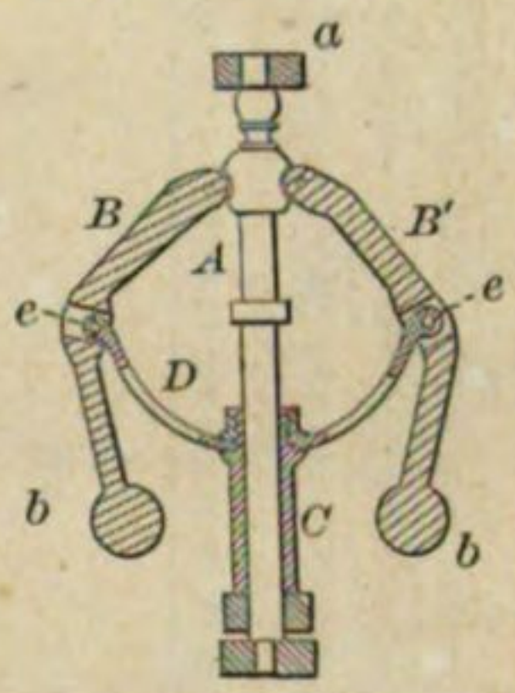
54054—J. S. Bullard—*Butter Mould.*



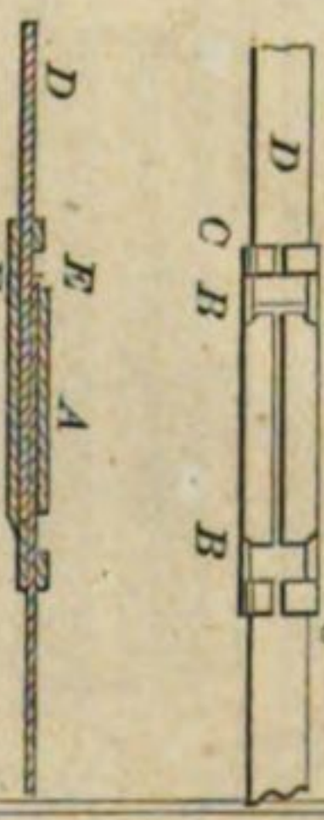
54052—J. Yates—*Preparing Peat.*



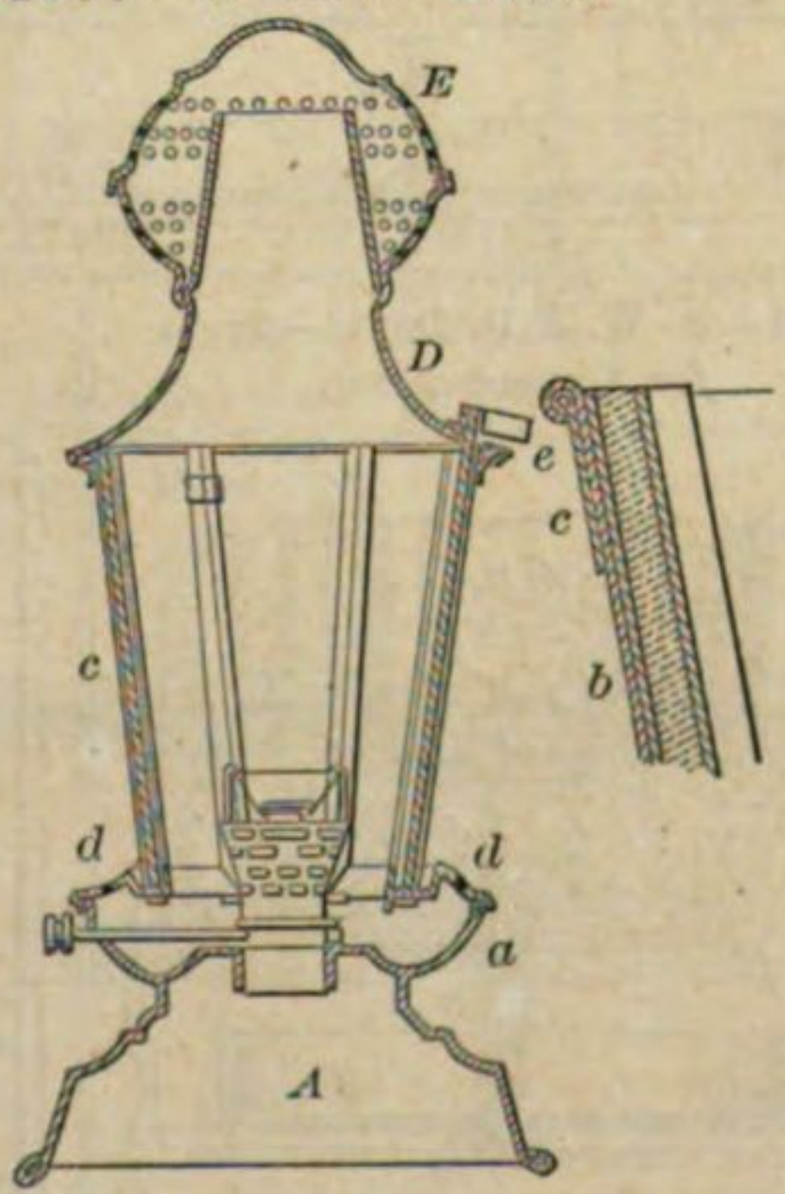
54057—J. C. Clime—*Steam Engine Governor.*



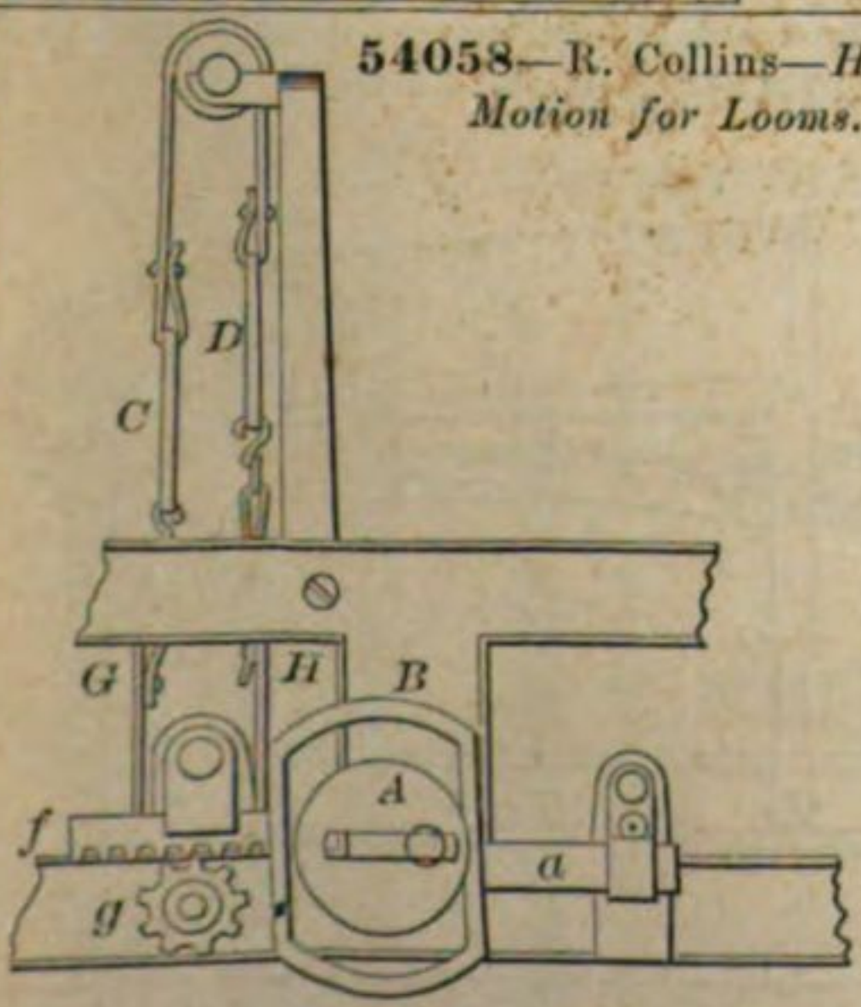
54055—Cheesman & Durand—*Clasp for Skirt Hoops.*



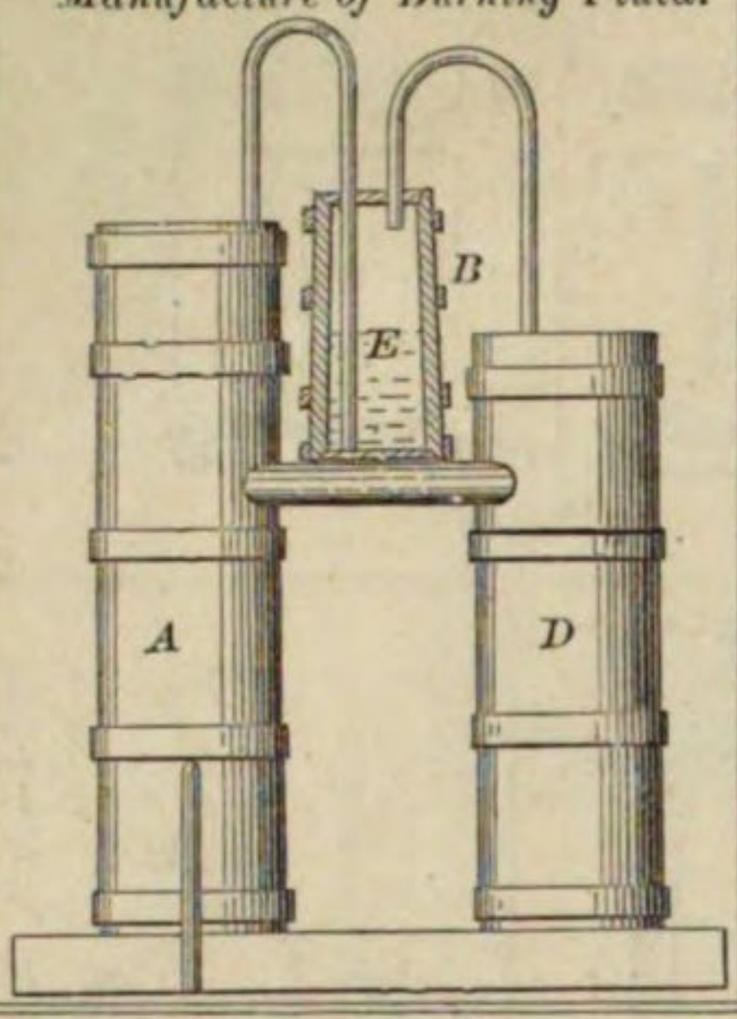
54059—E. Conrad—*Lantern.*



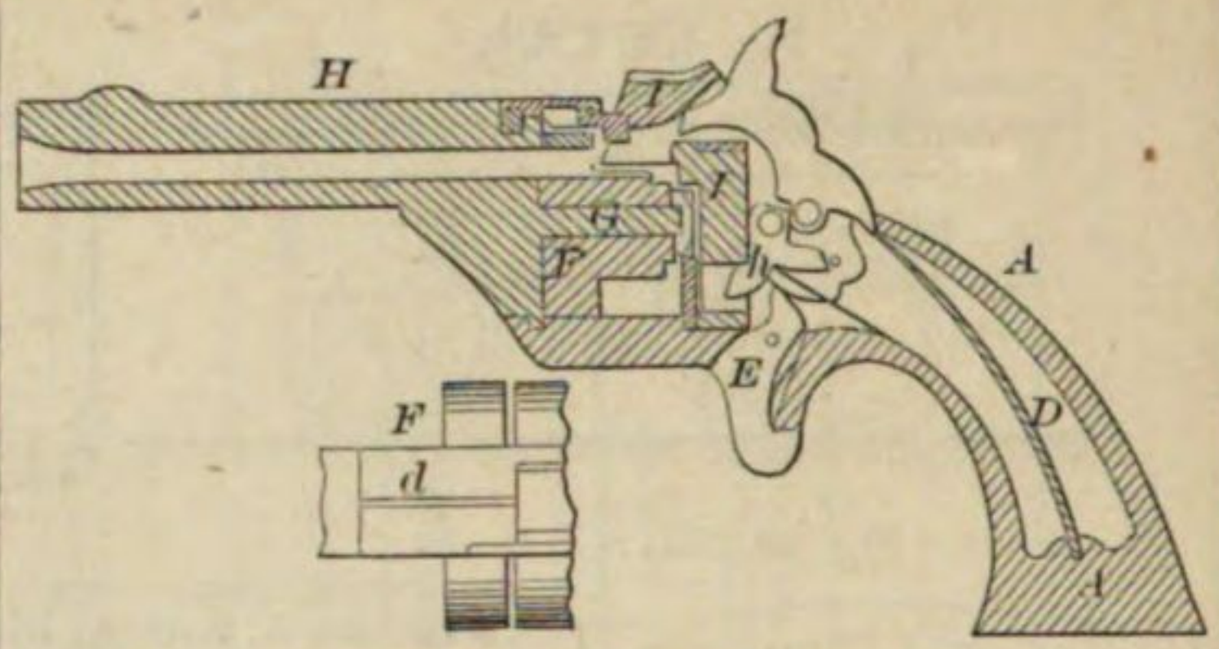
54058—R. Collins—*Harness Motion for Looms.*



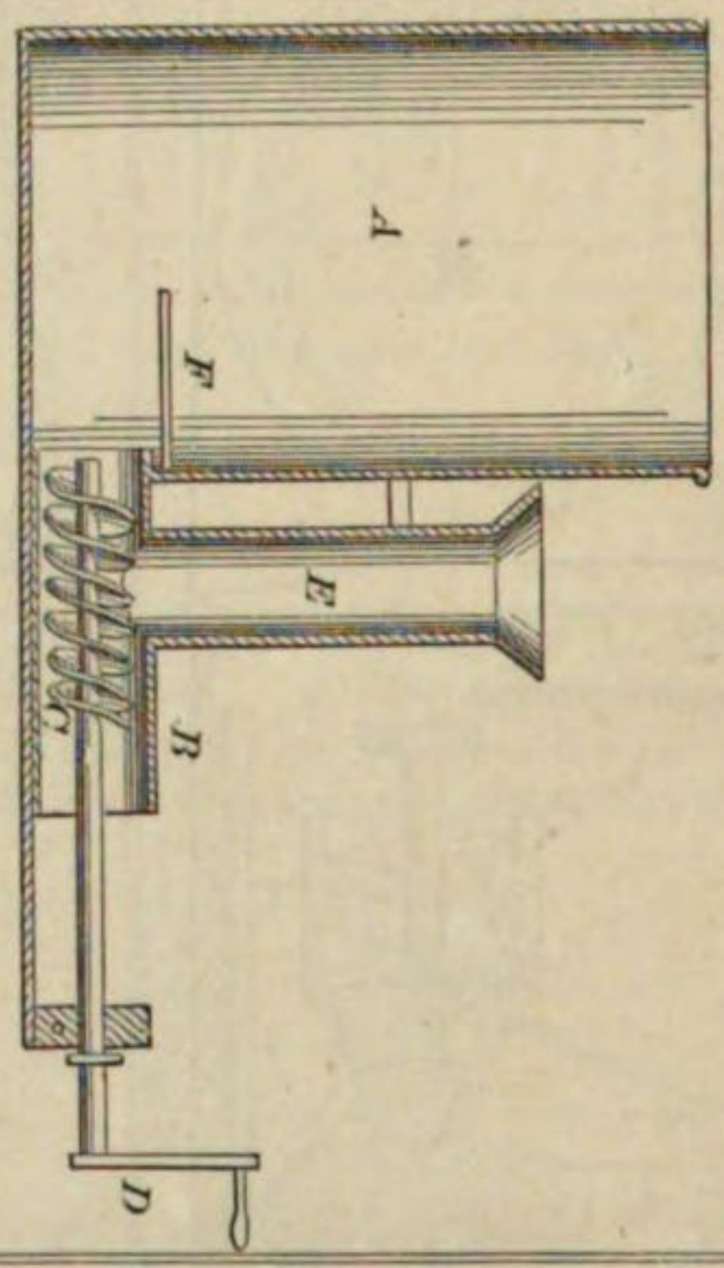
54060—W. Corfield—*Manufacture of Burning Fluid.*



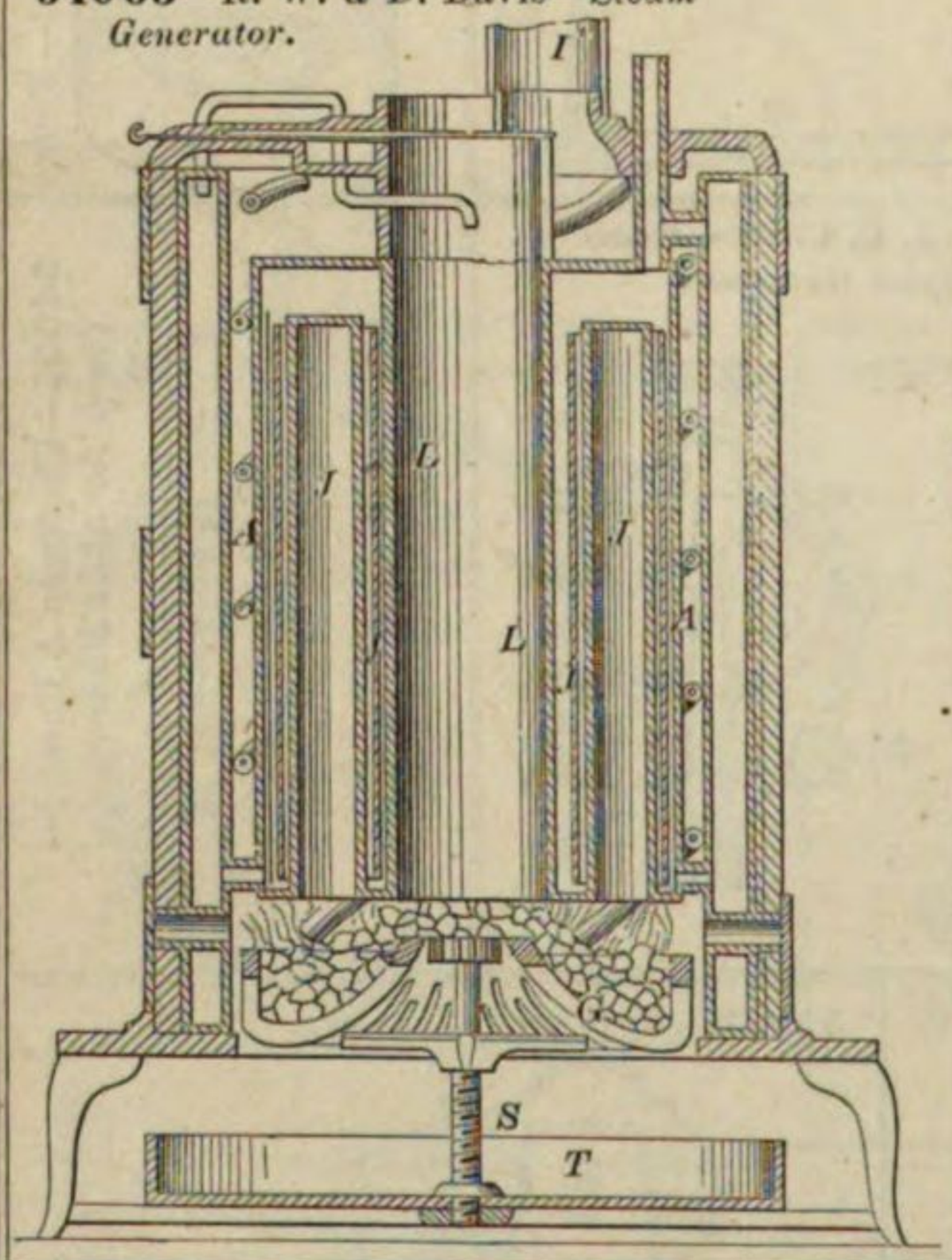
54065—J. B. Doolittle—*Revolving Fire Arm.*



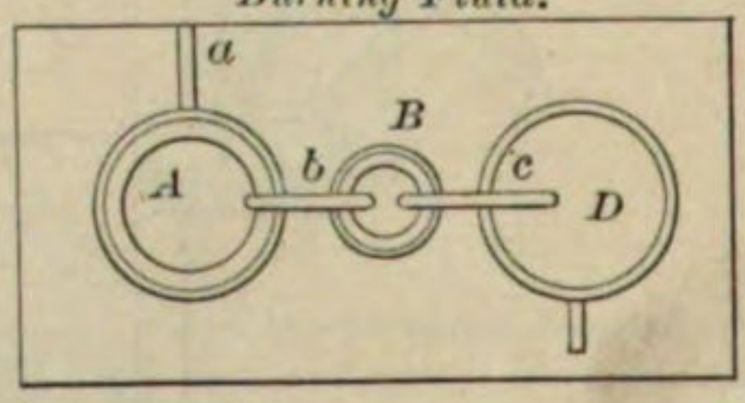
54062—Curtis & Tripp—*Amalgamator*



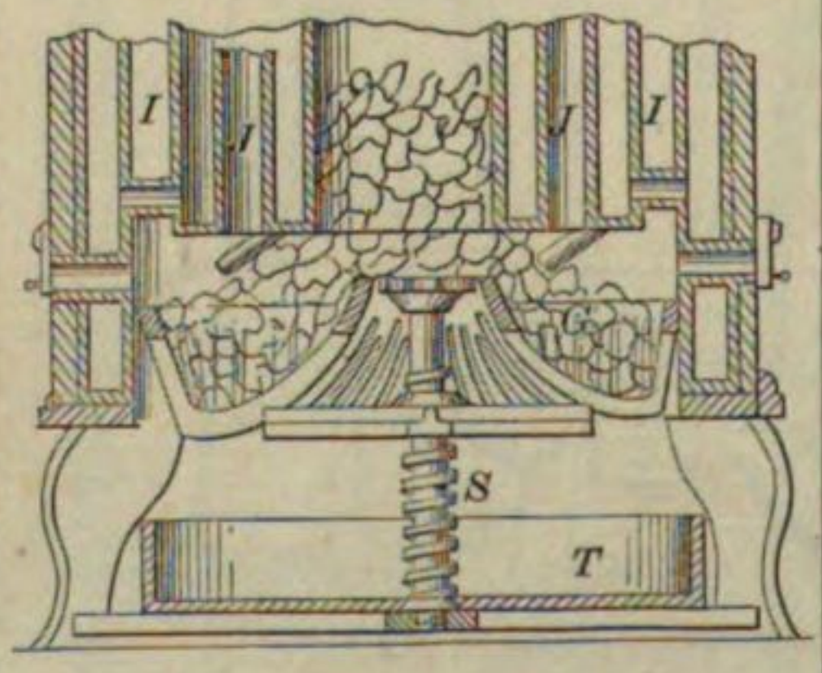
54063—R. W. & D. Davis—*Steam Generator.*



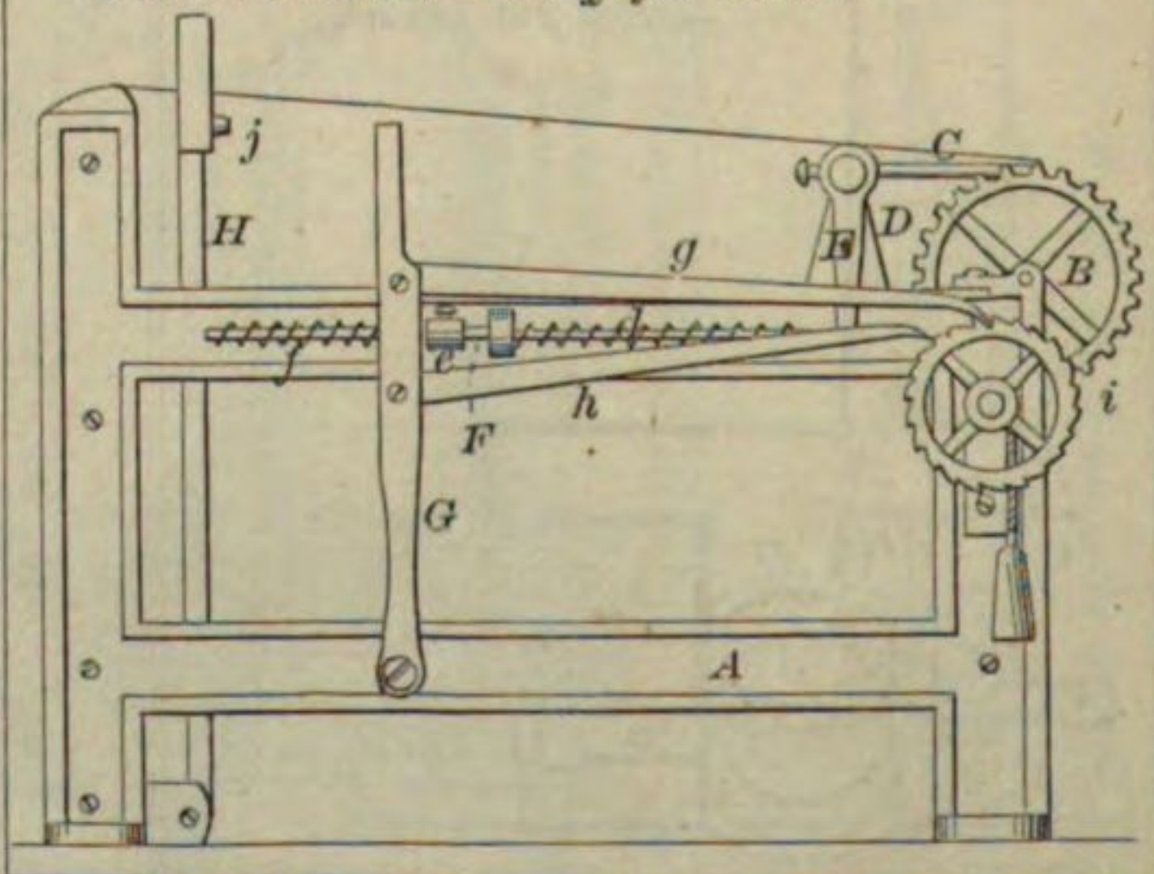
54061—W Corfield—*Manufacture of Burning Fluid.*



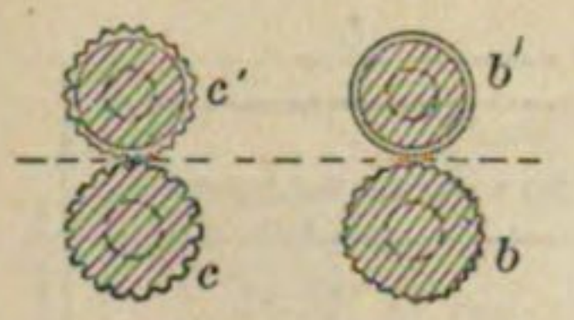
54064—R. W. & D. Davis—*Grate for Furnaces, &c.*



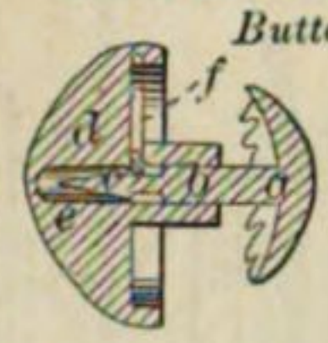
54066—S. Estes—*Let-off for Looms.*



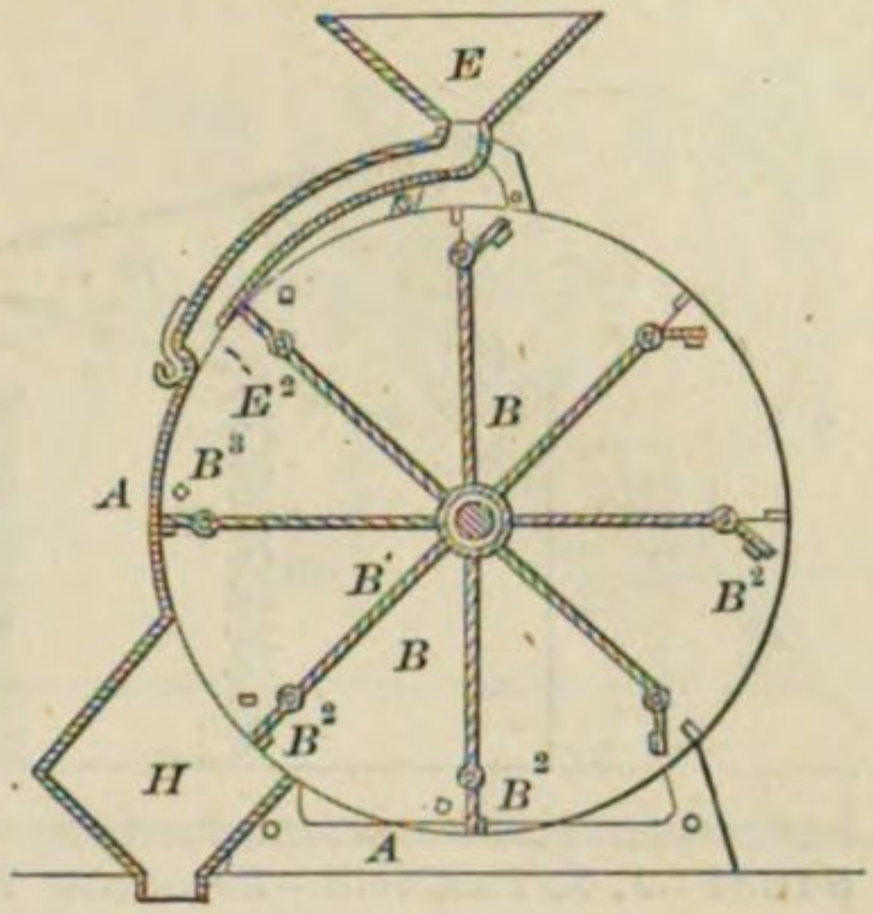
54067—J. B. Fuller—*Roller for Spinning Machines.*



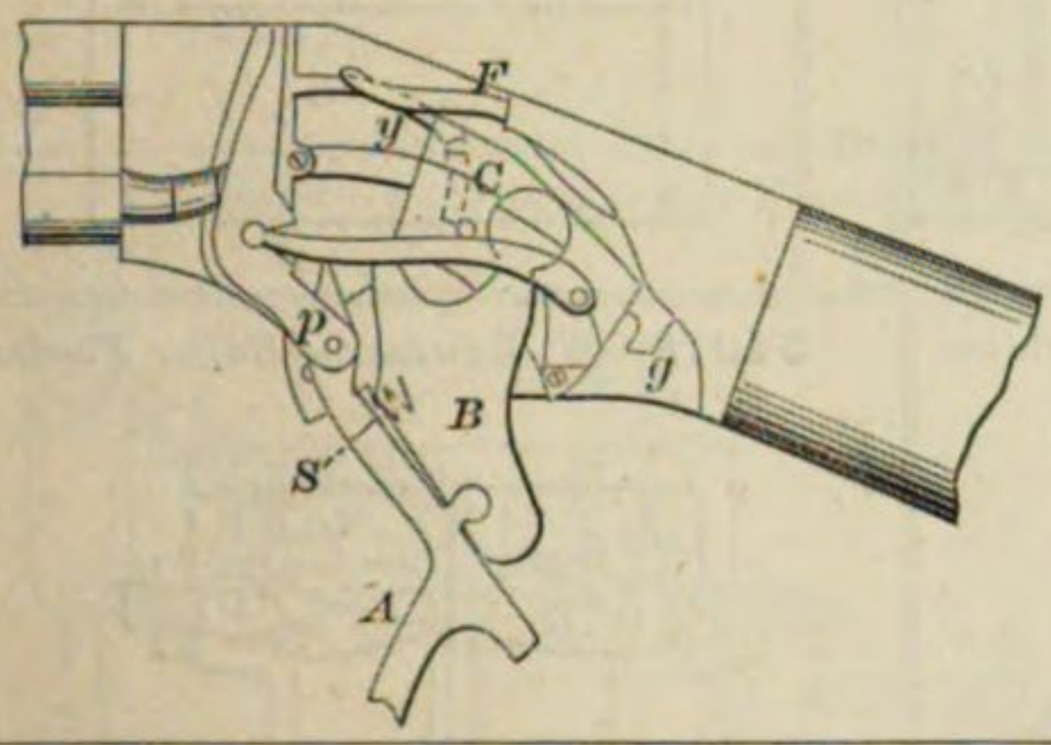
54071—C. Robitaille—*Button.*

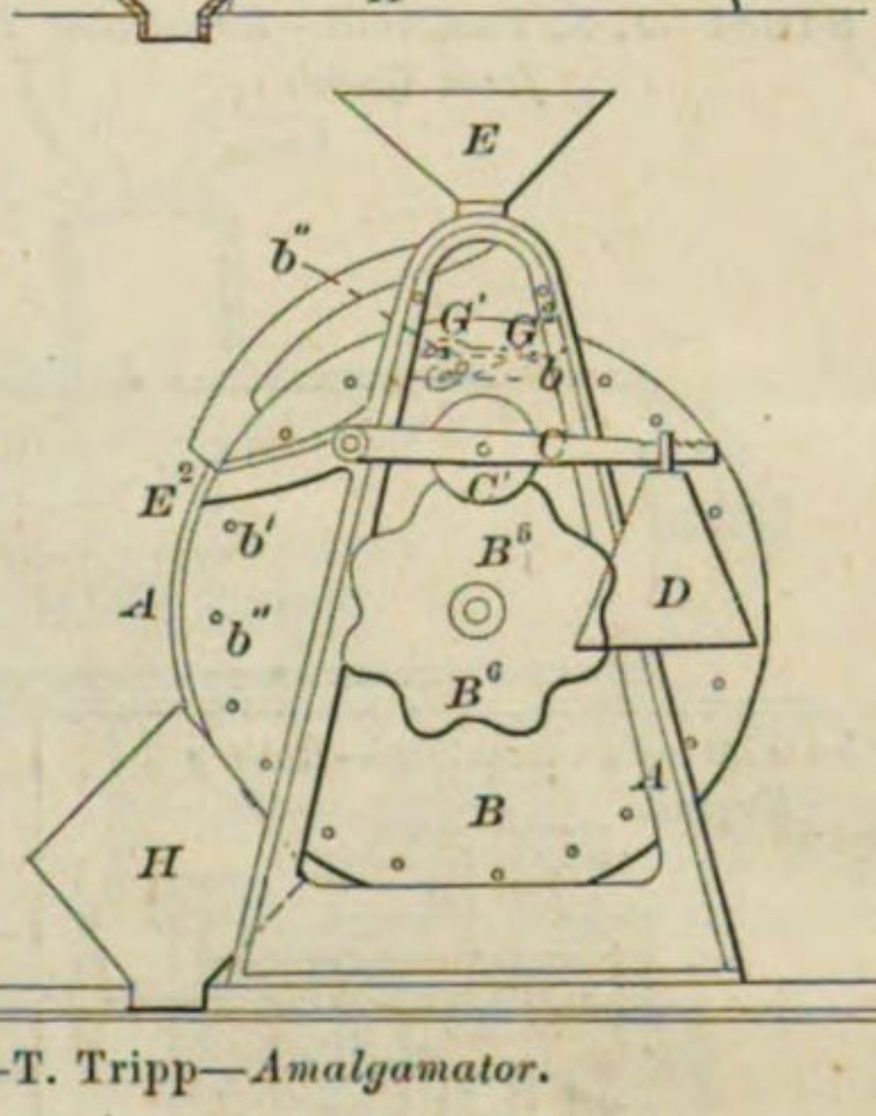


54072—W. S. Sampson—*Grain Meter.*

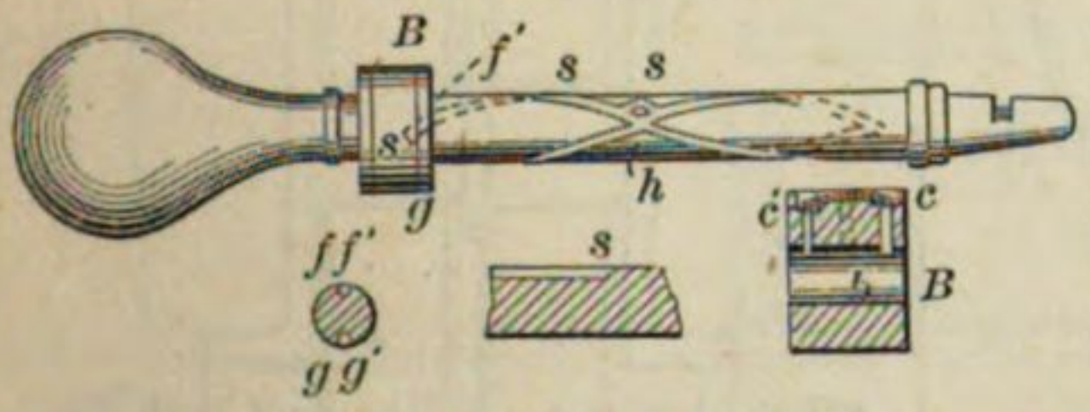


54068—J. Gray—*Magazine Fire Arm.*

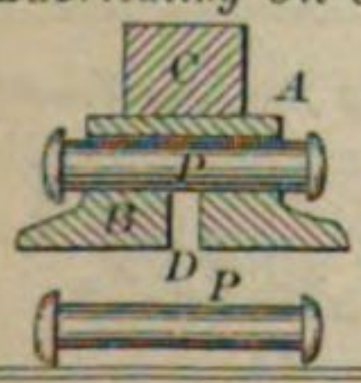




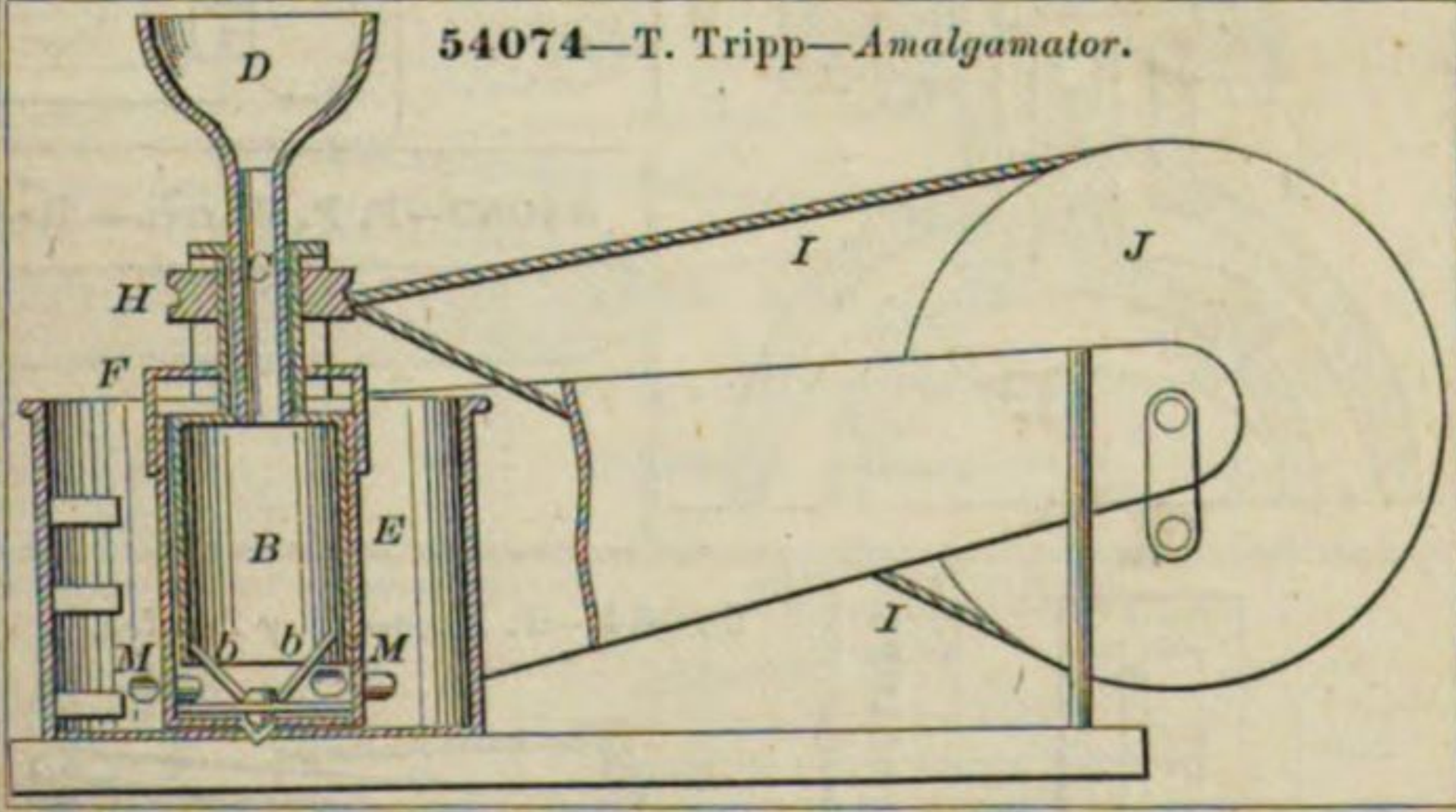
54069—D. F. Hartford—*Drill Stock.*



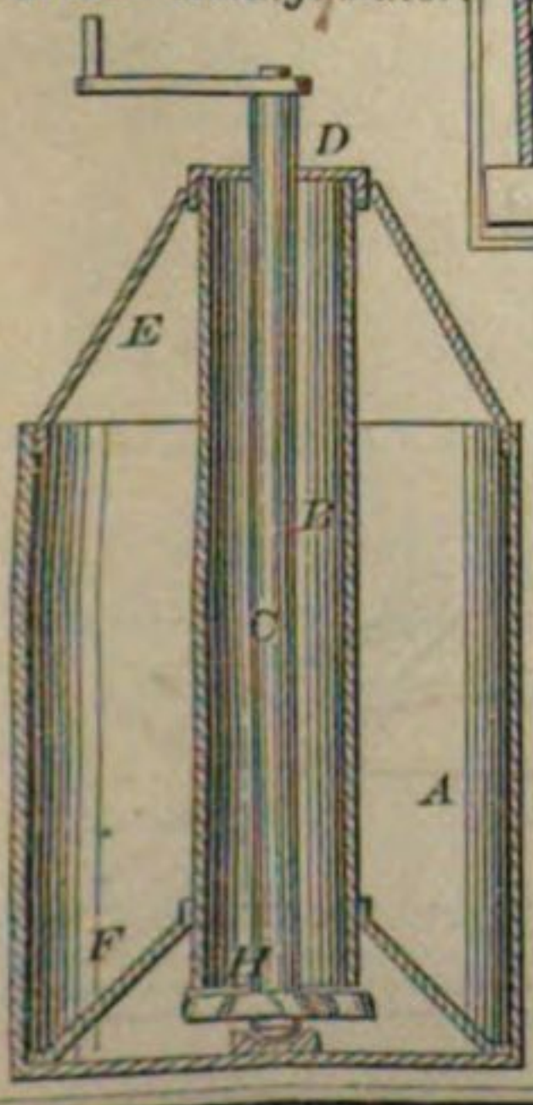
54070—J. H. Palmer—*Lubricating Oil Cup.*



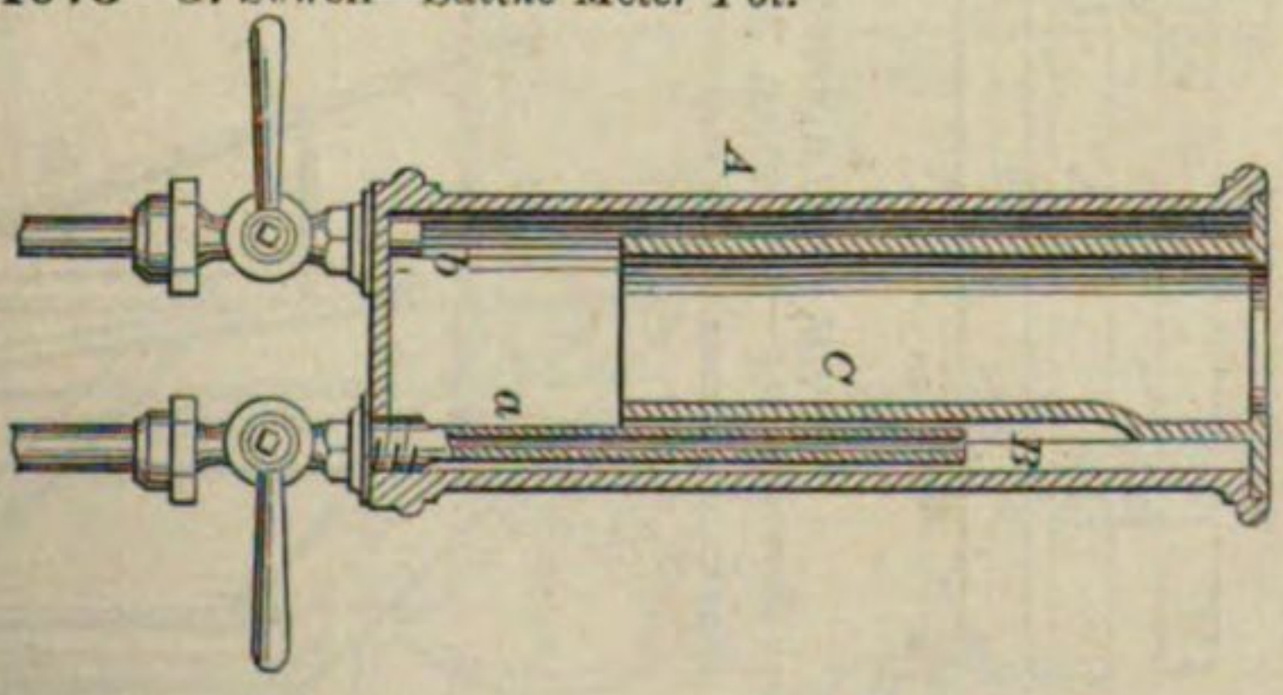
54074—T. Tripp—*Amalgamator.*



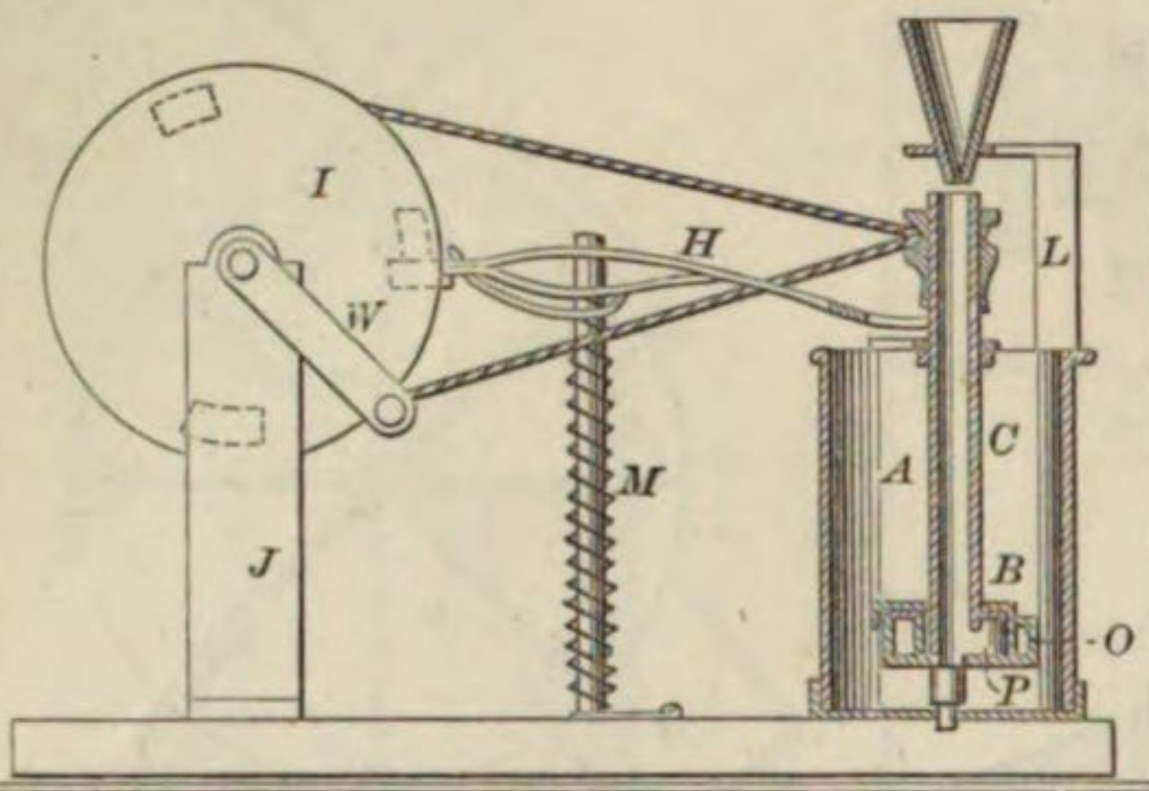
54075—Tripp & Curtis—*Amalgamator.*



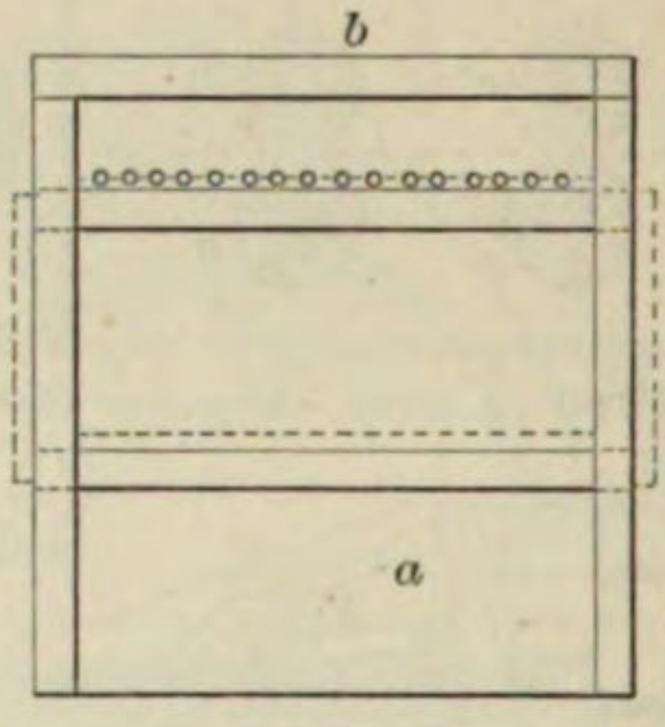
54073—G. Sewell—*Saline Meter Pot.*



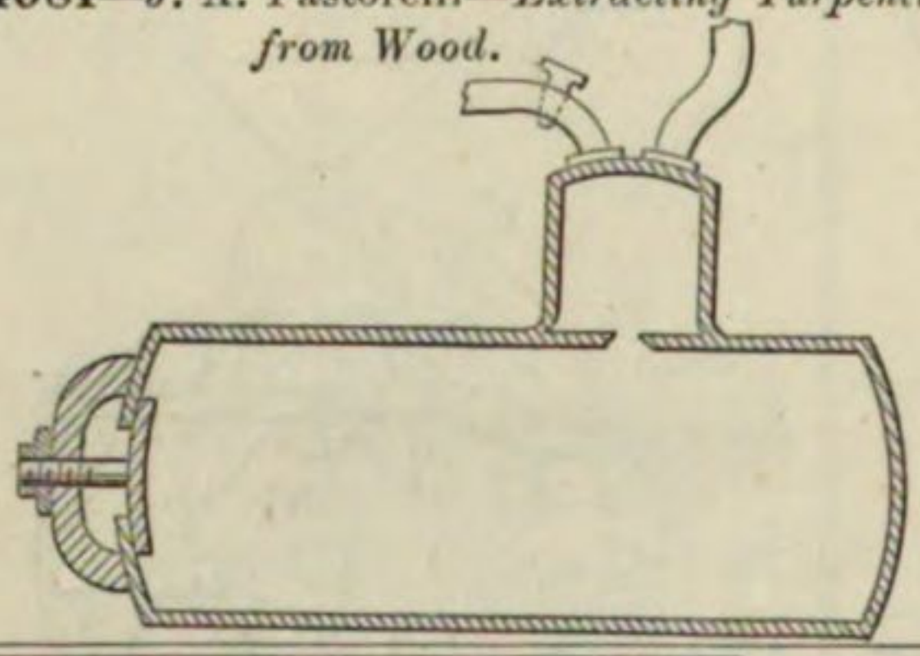
54076—Tripp & Curtis—*Amalgamator.*



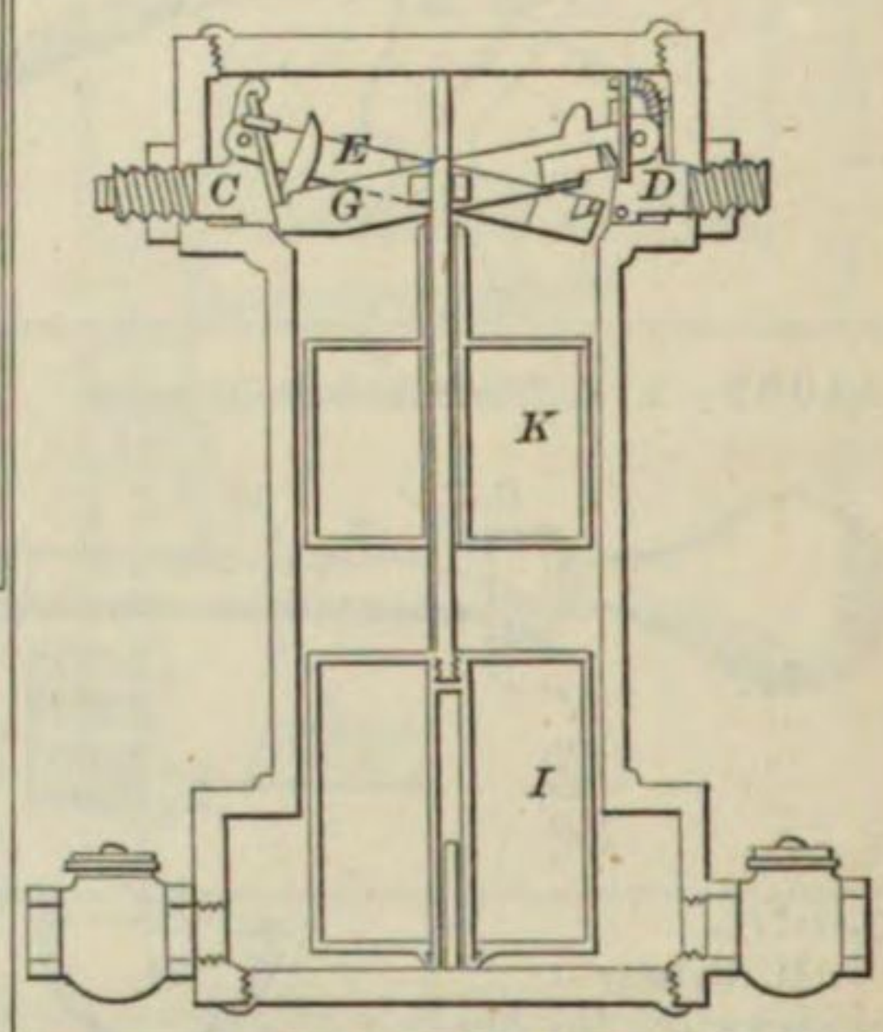
54080—G. Clark—*Envelope for Bottles and Jars.*



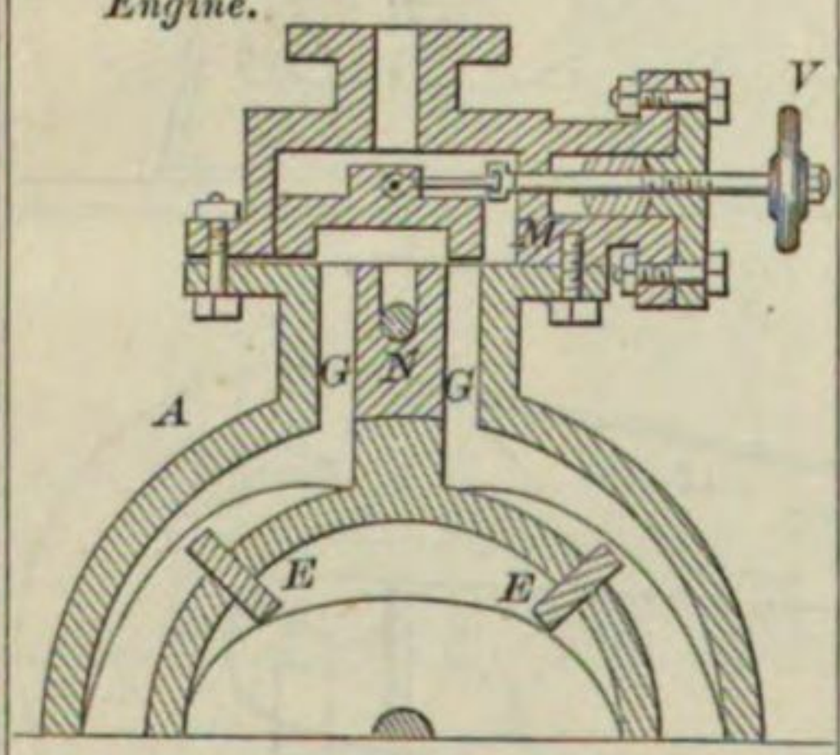
54081—J. A. Pastorelli—*Extracting Turpentine from Wood.*



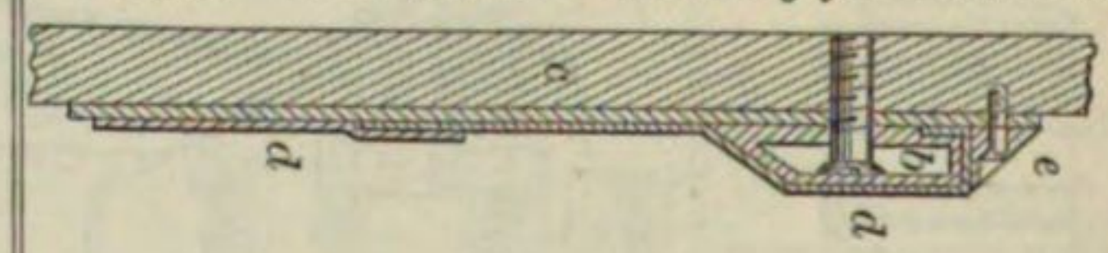
54078—W. Bowman—*Boiler Feeder.*



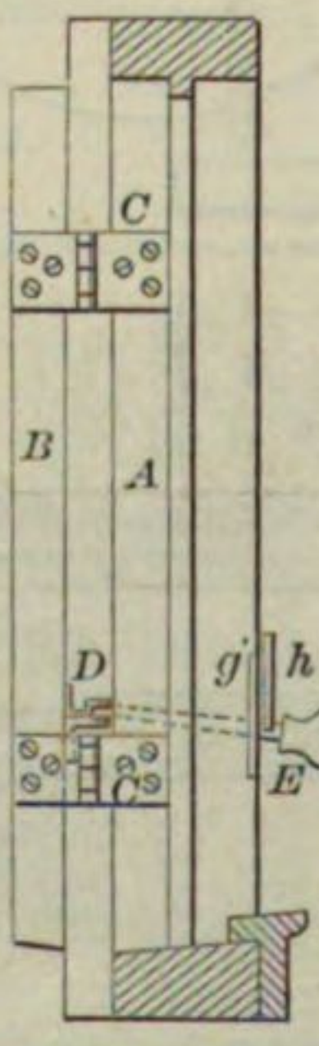
54079—F. Chatelain—*Rotary Engine.*



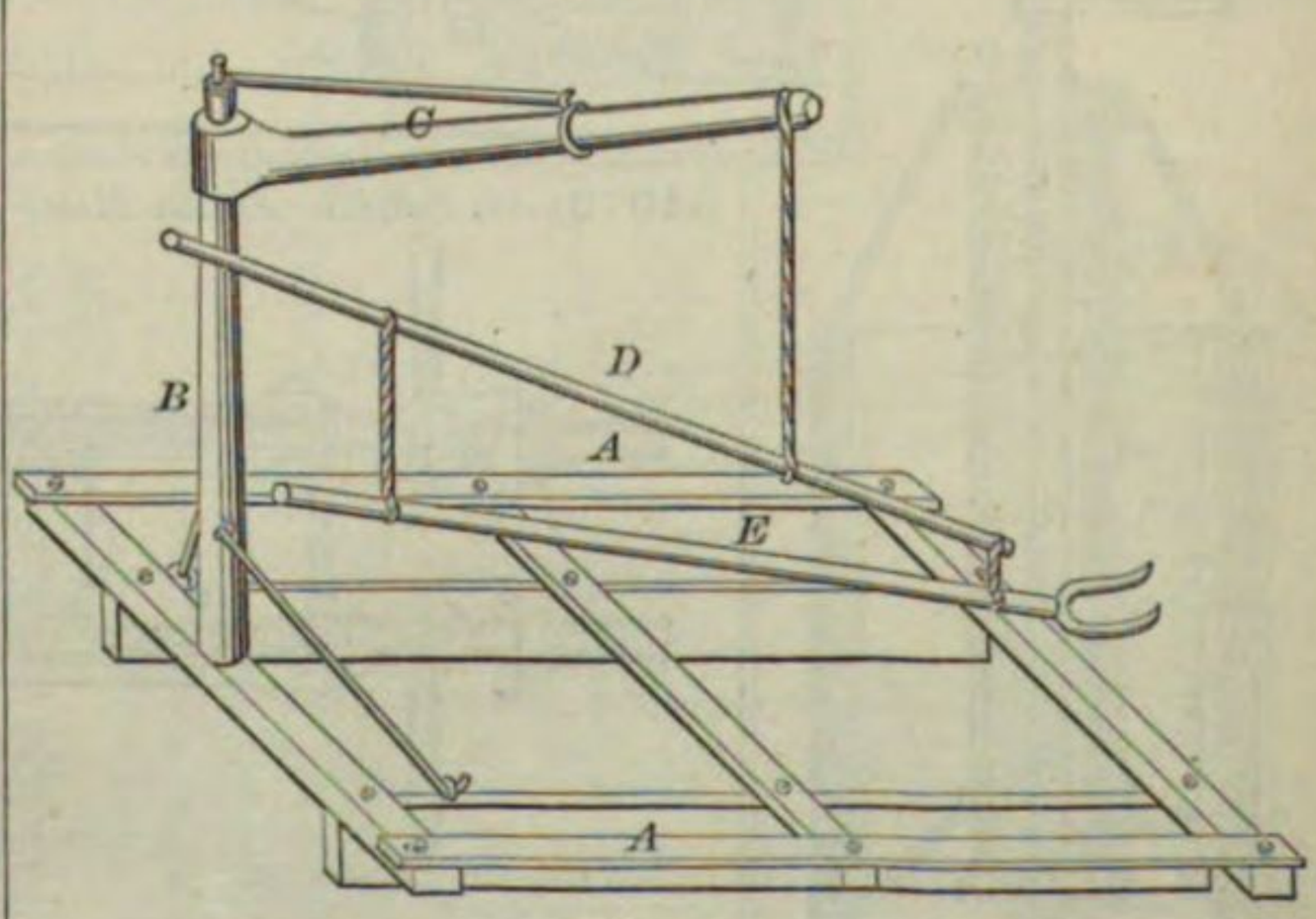
54083—F. P. Warren—*Sheathing for Iron Vessels.*



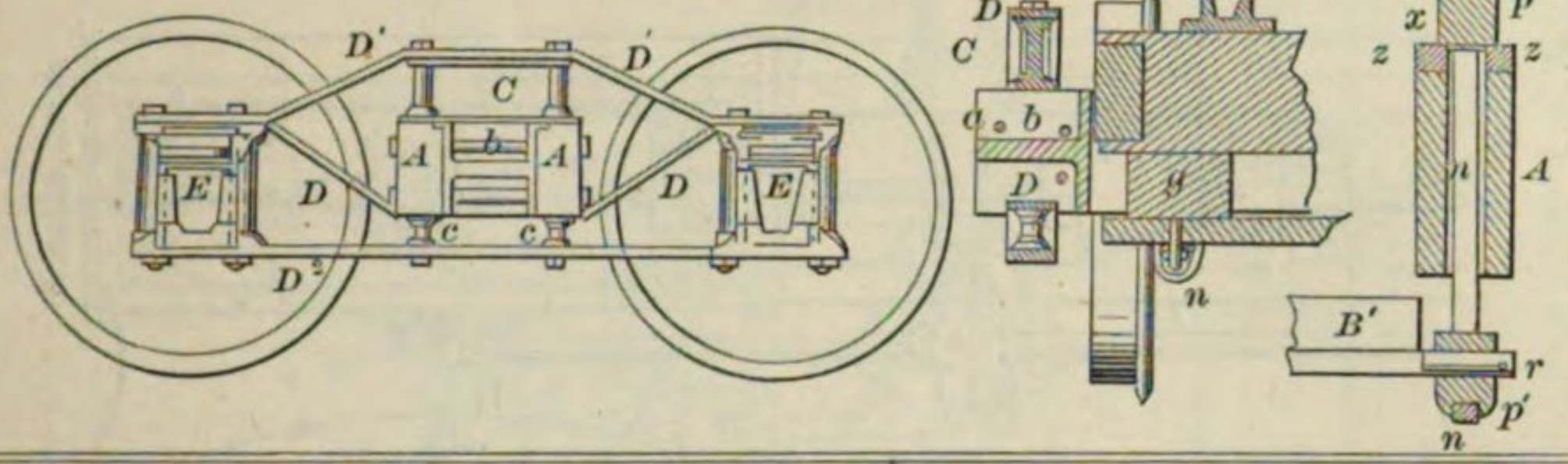
54077—S. W. Woodward—*For Opening and Closing Window Blinds.*



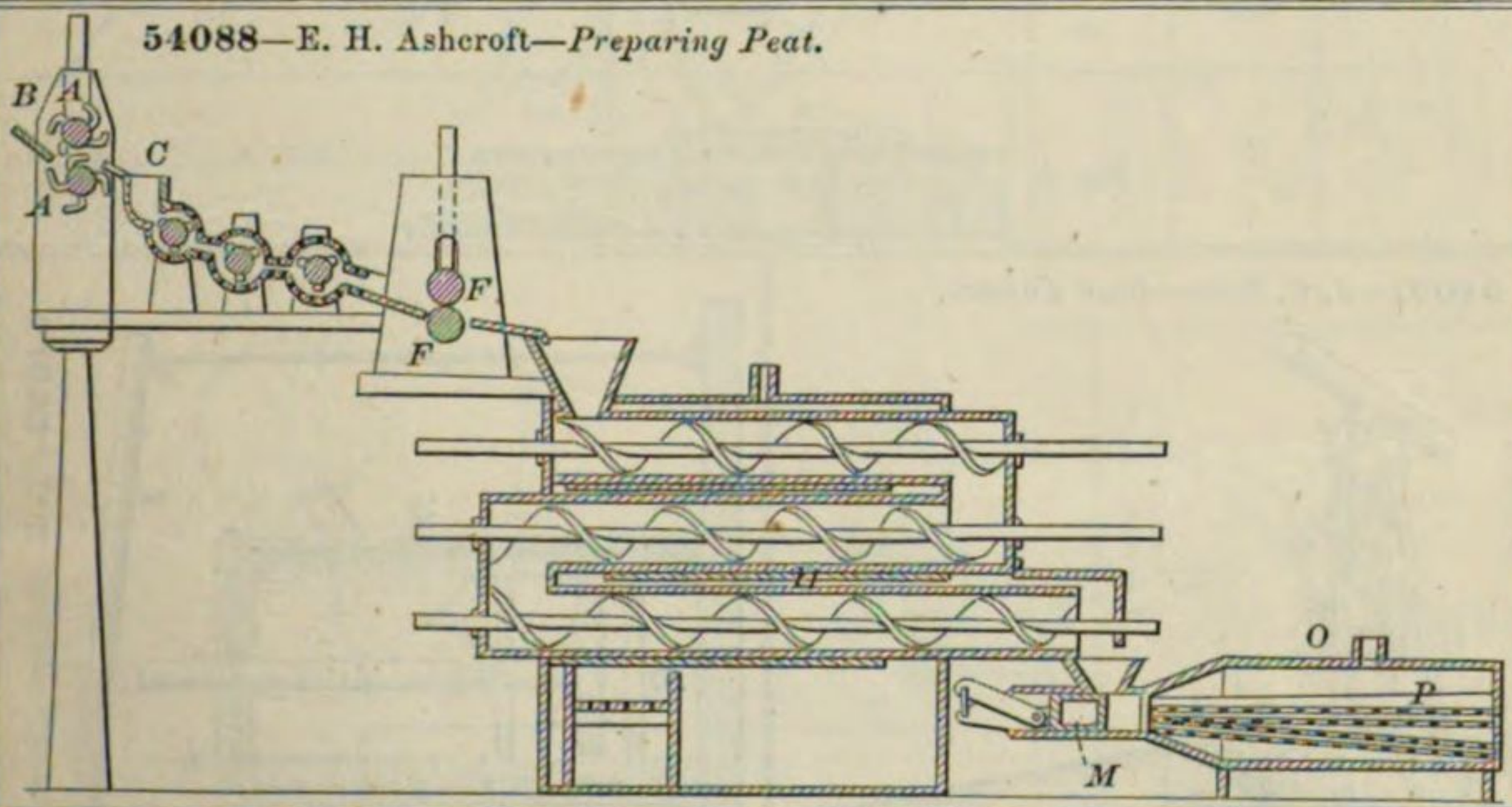
54084—G. Race—*Hay Loader.*



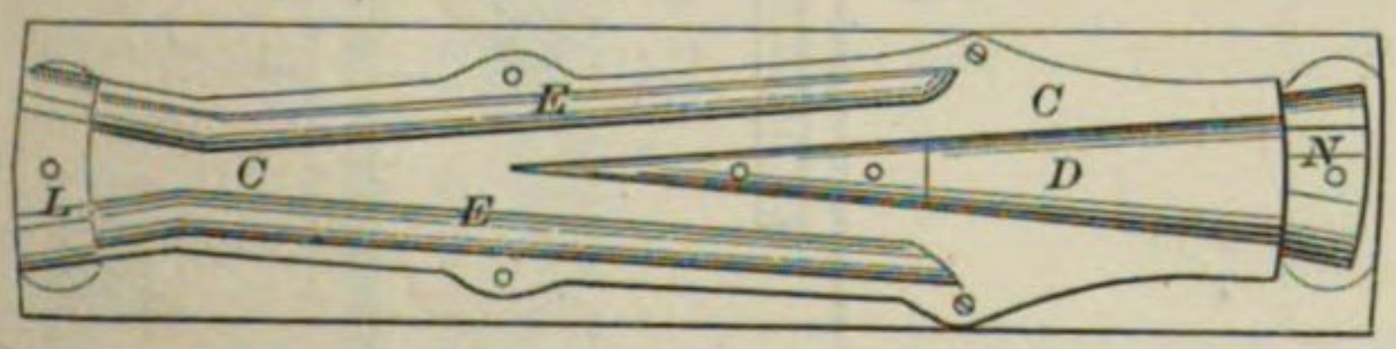
54085—C. F. Allen—*Car Truck.*

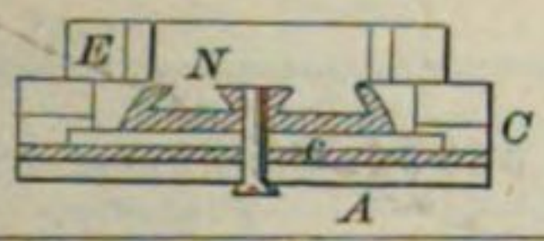


54088—E. H. Ashcroft—*Preparing Peat.*

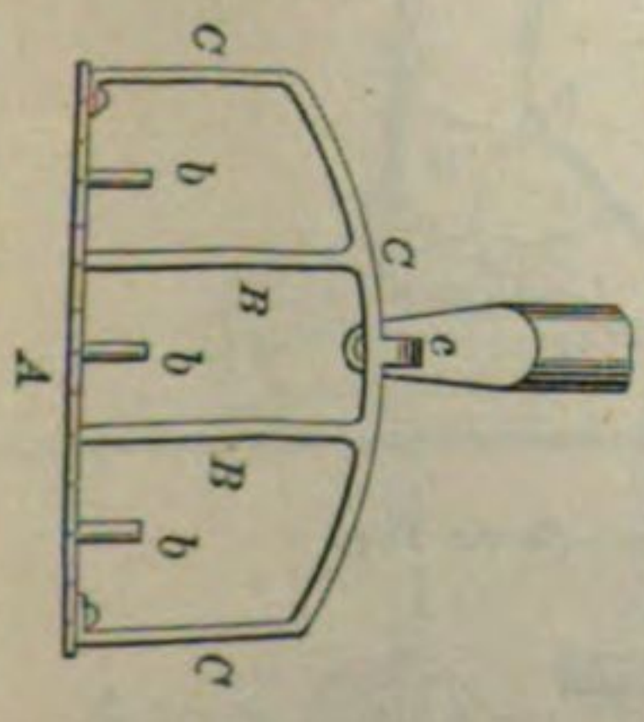


54086—E. G. Allen—*Railway Frog.*

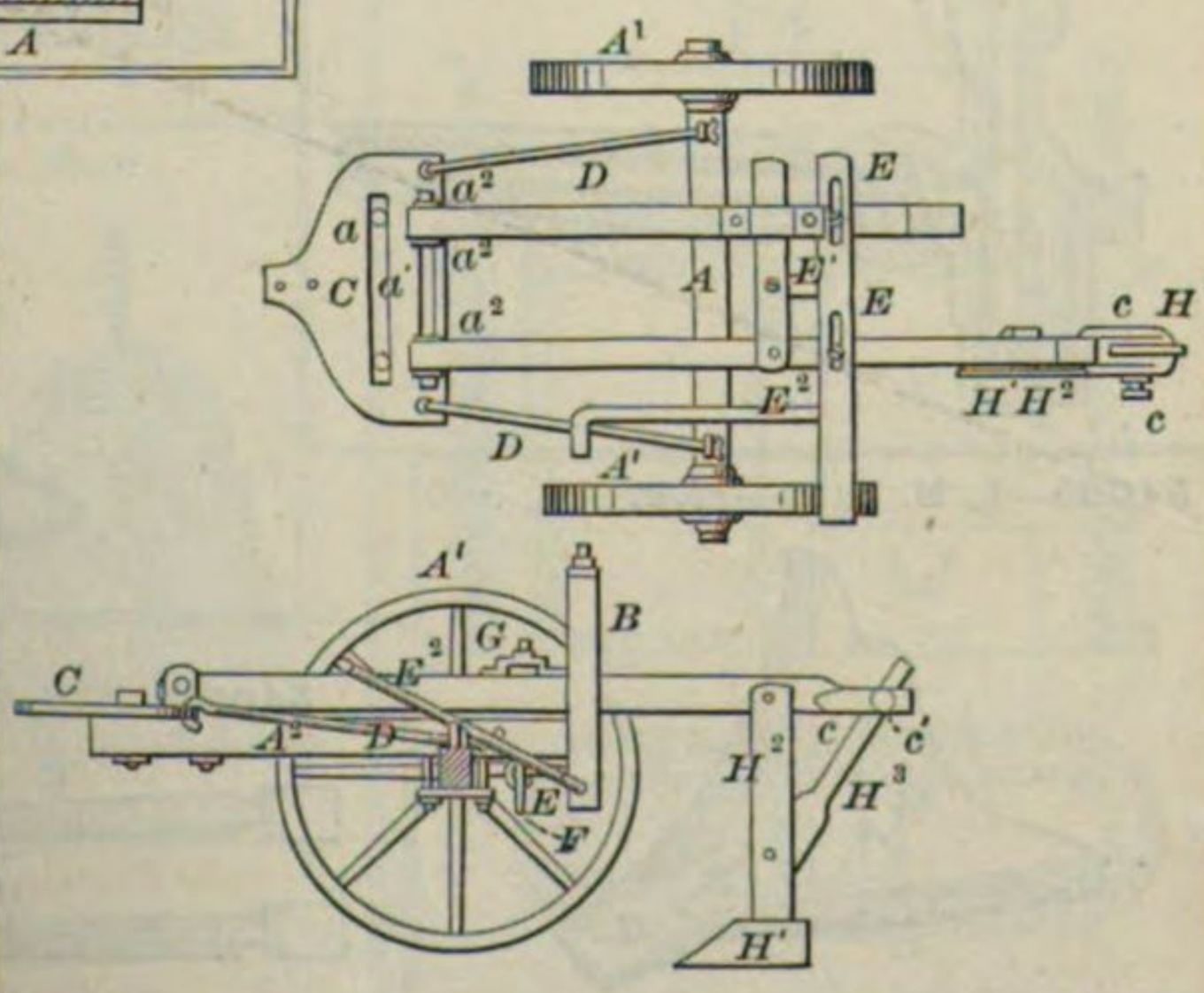




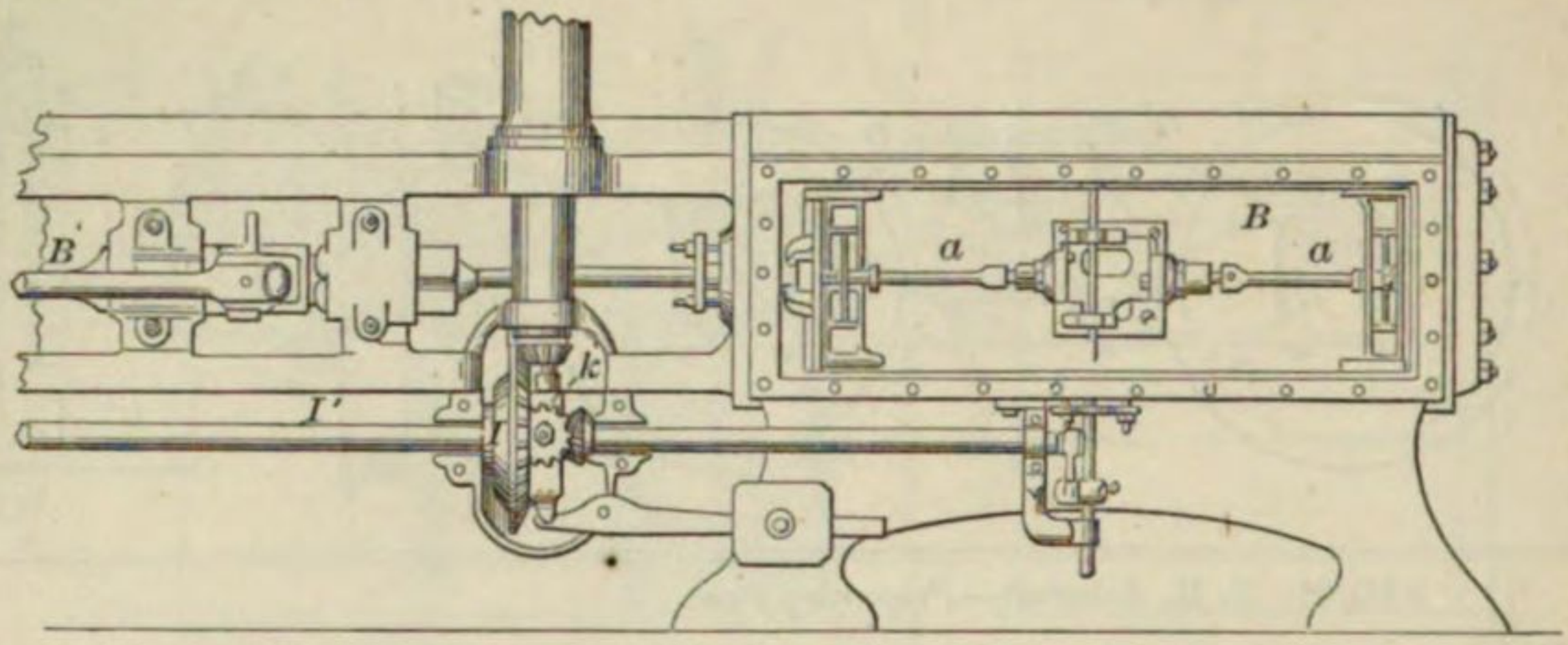
54087—G. P. Allen—
Weeding Hoe.



54089—C. Atwood—*Gang Plow.*



54090—Babcock & Wilcox—*Cut-off Valve.*



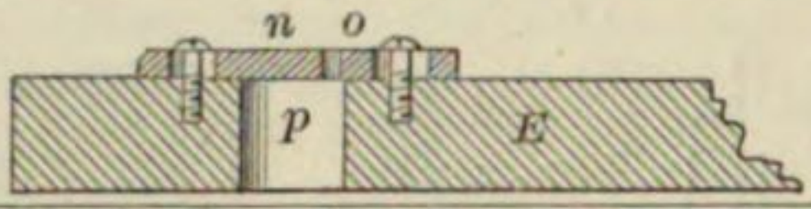
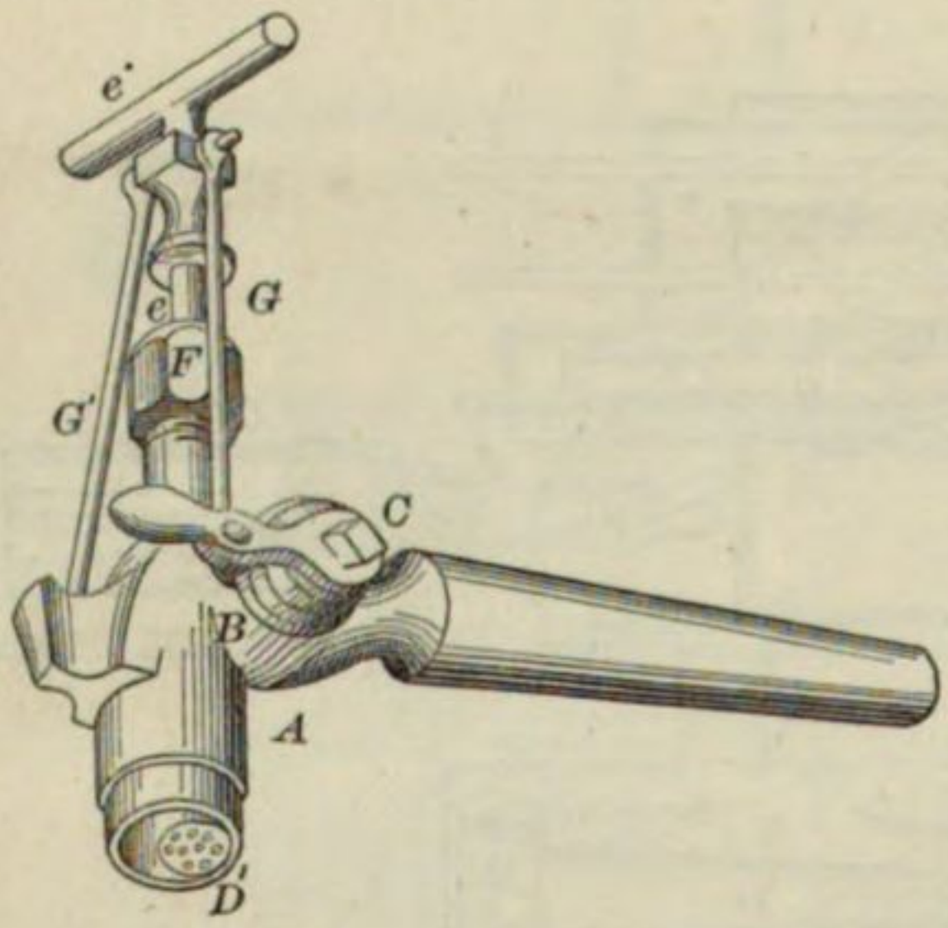
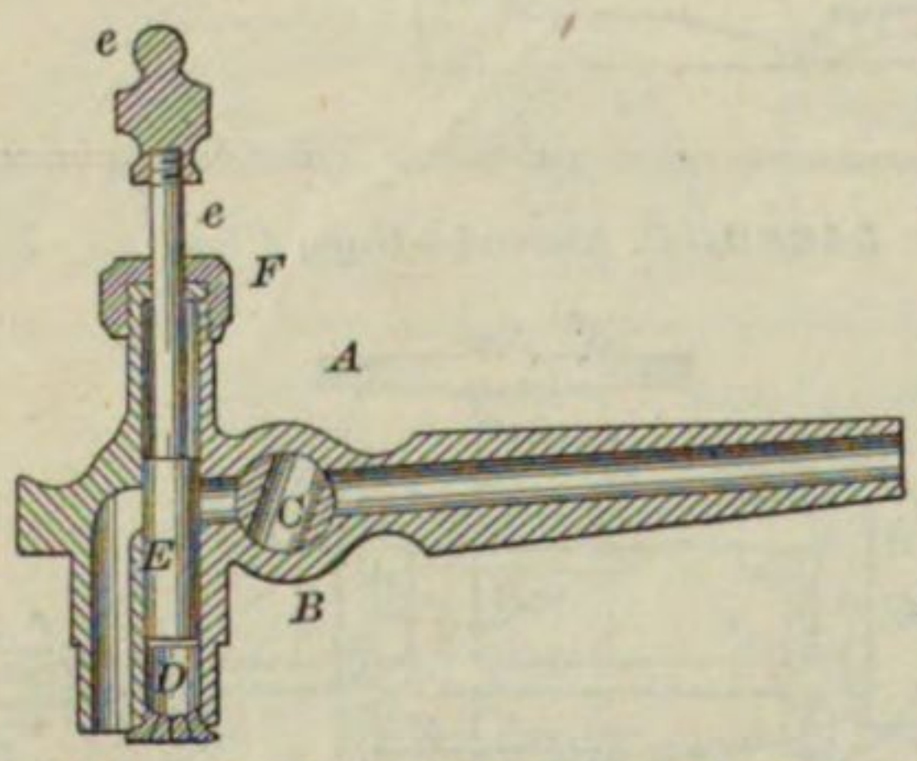


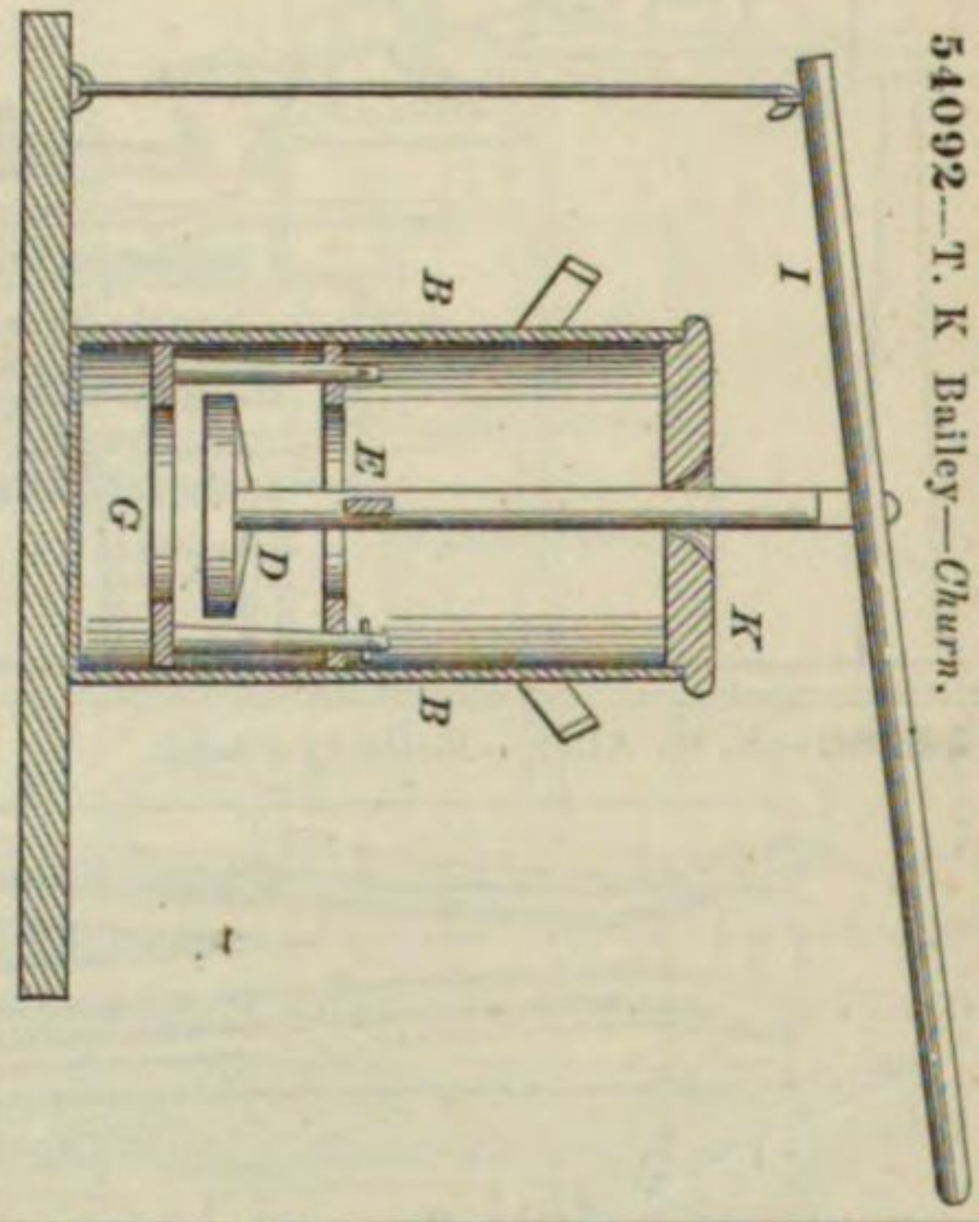
Fig. 5

54091—J. C. Baer—*Beer Faucet.*

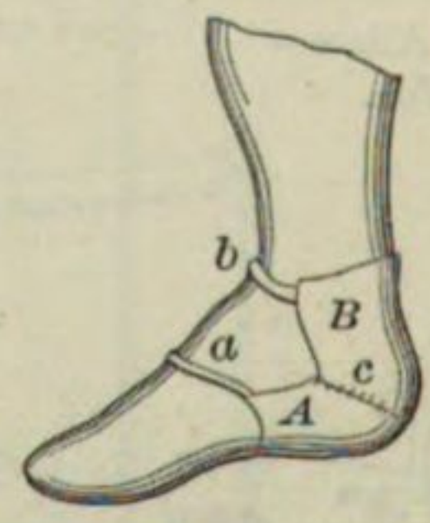




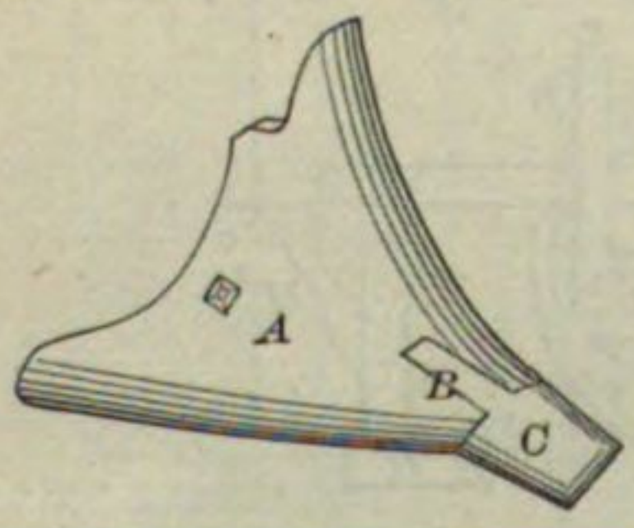
54092—T. K Bailey—*Churn.*



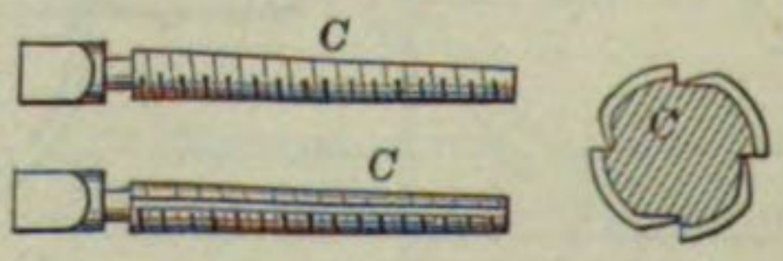
54094—S. J. Baker—*Stocking Heel Protector.*



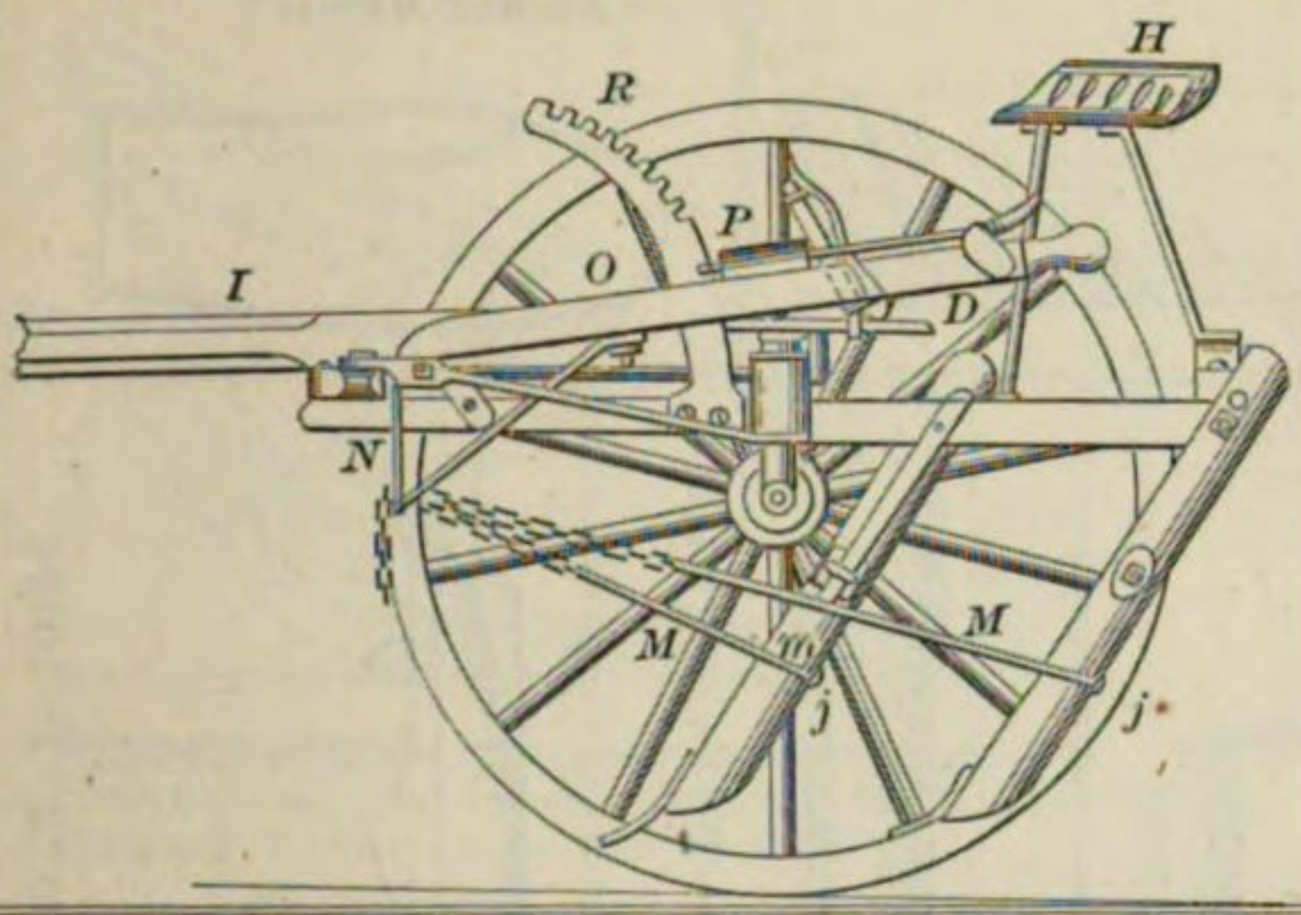
54095—L. M. Bates—*Plow.*



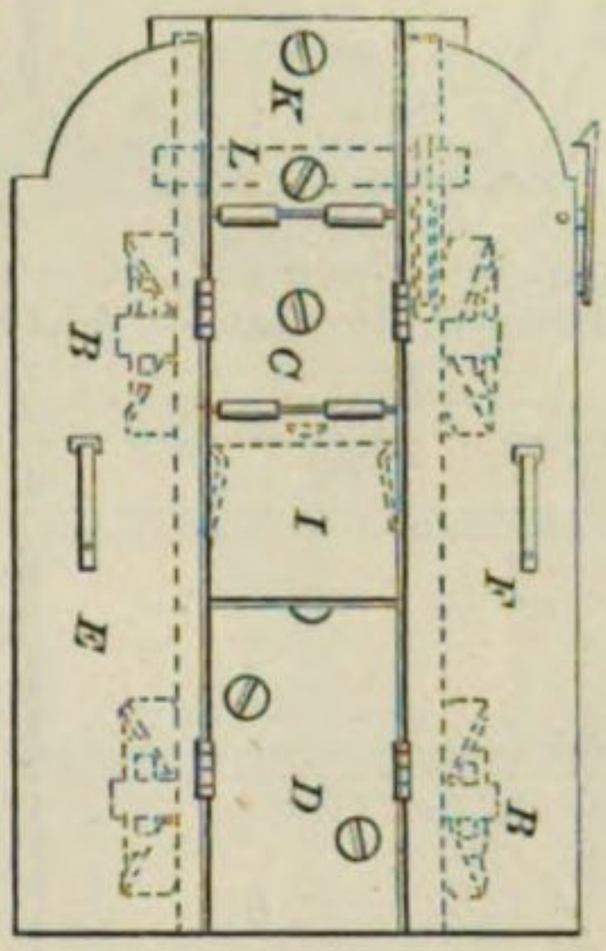
54096—B. F. Bee—*Screw Tap.*



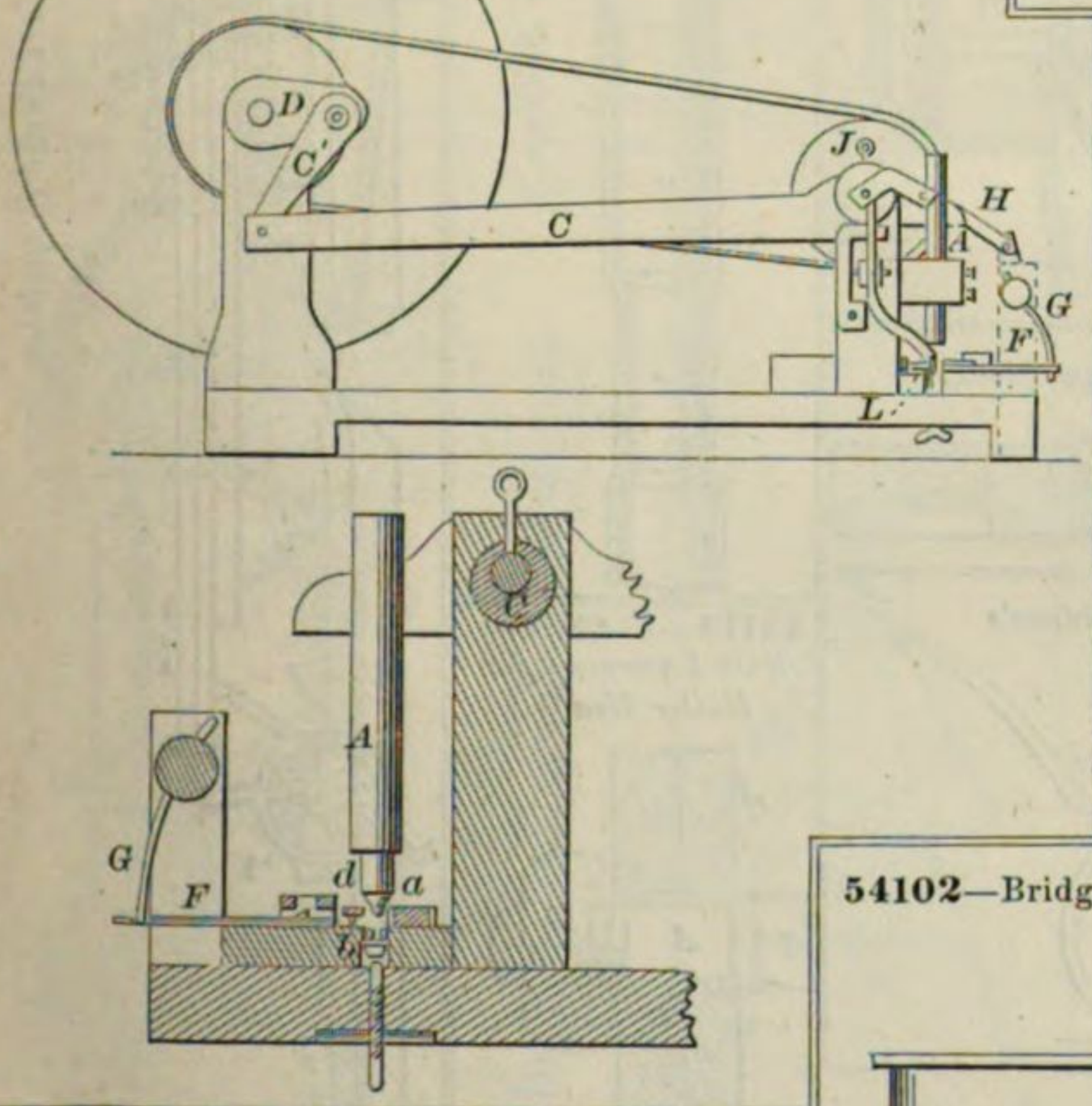
54099—Bertrand & Sames—*Cultivator.*



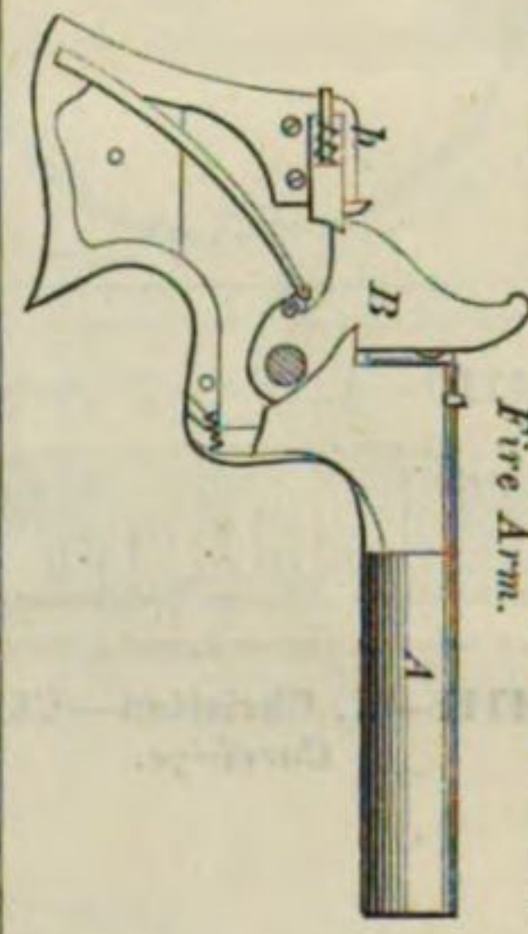
54103—H. H. Brown—*Wool Press.*



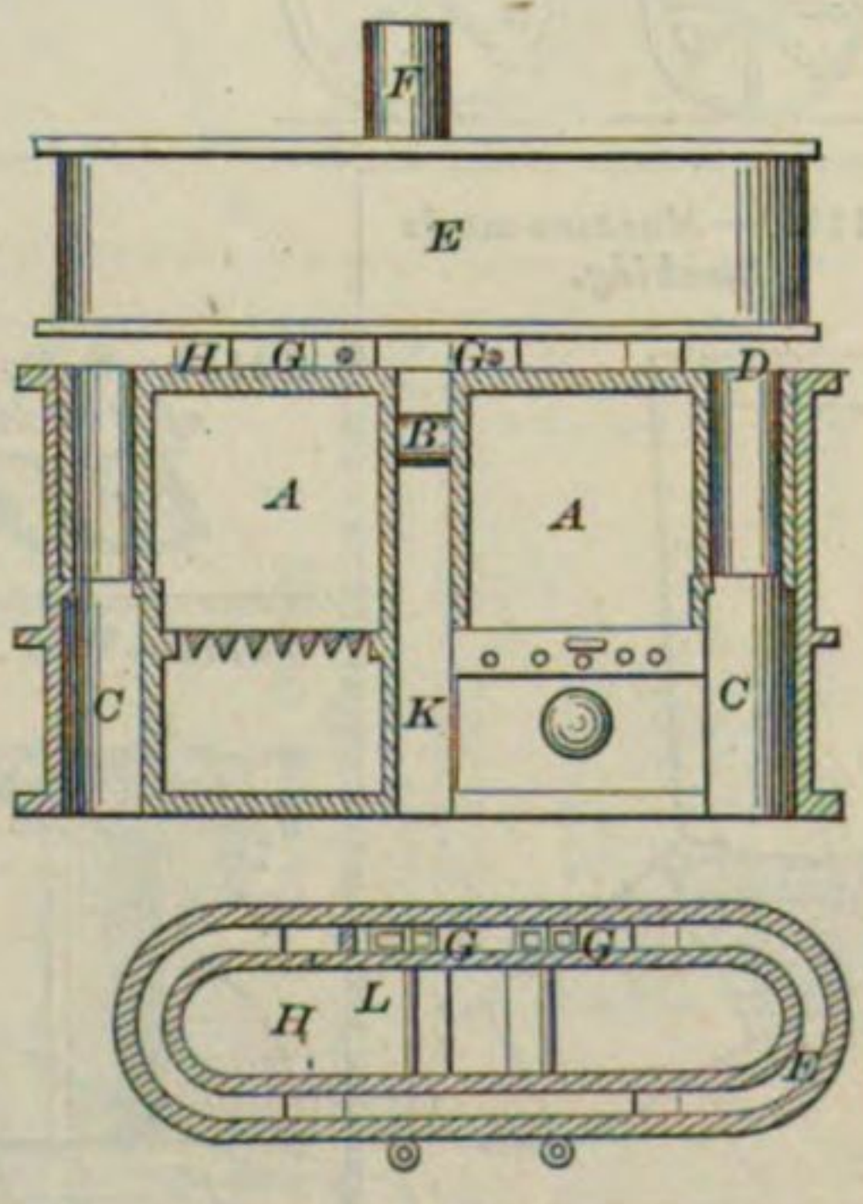
54101—P. S. Bishop—*Machinery for Stamping Chain Links.*



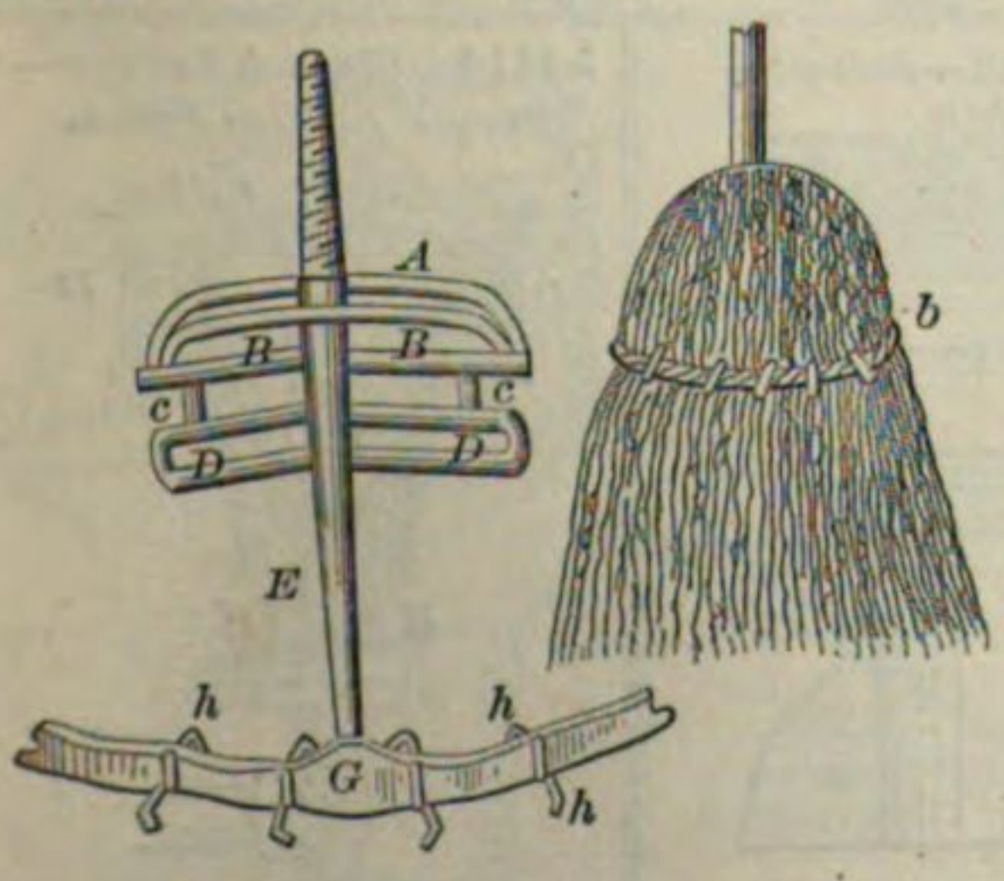
54100—C. E. Billings—*Breech-Loading Fire Arm.*



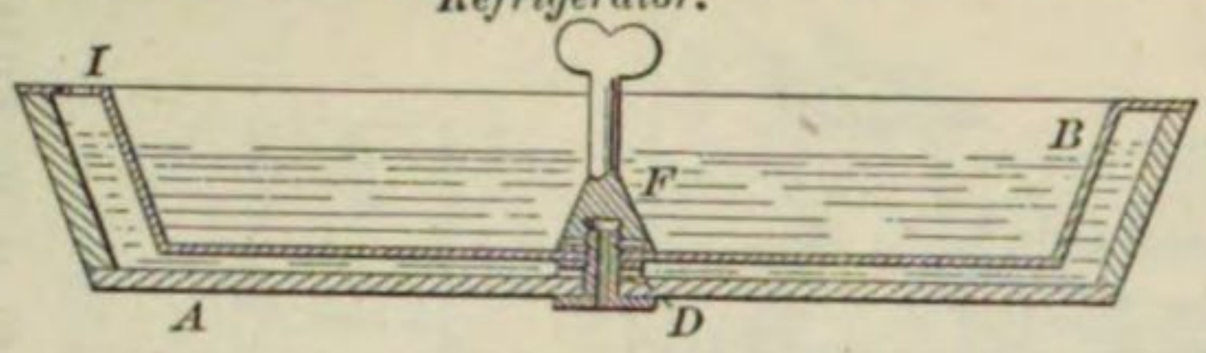
54102—Bridge & Ruby—*Heating Stove.*



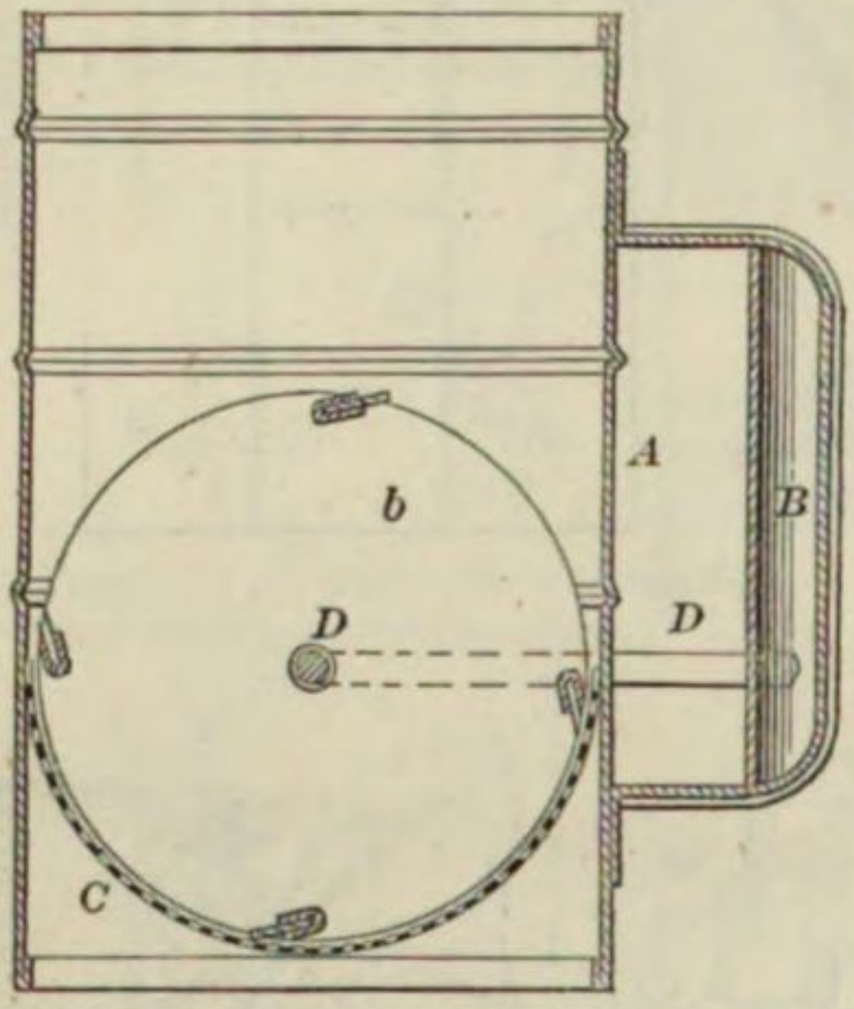
54104—J. Buchanan—*Broom Head.*



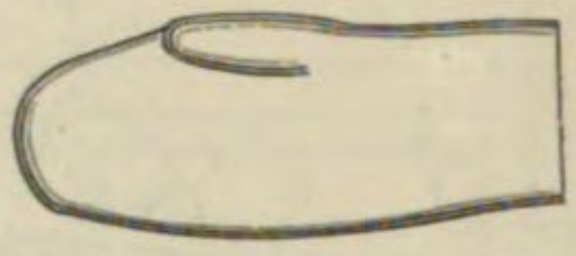
54105—Burchnall & Johnson—*Milk and Cream Refrigerator.*



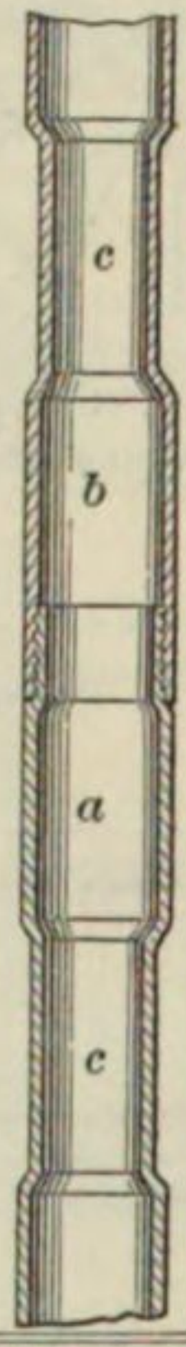
54106—C. Burnham—*Flour Sifter.*



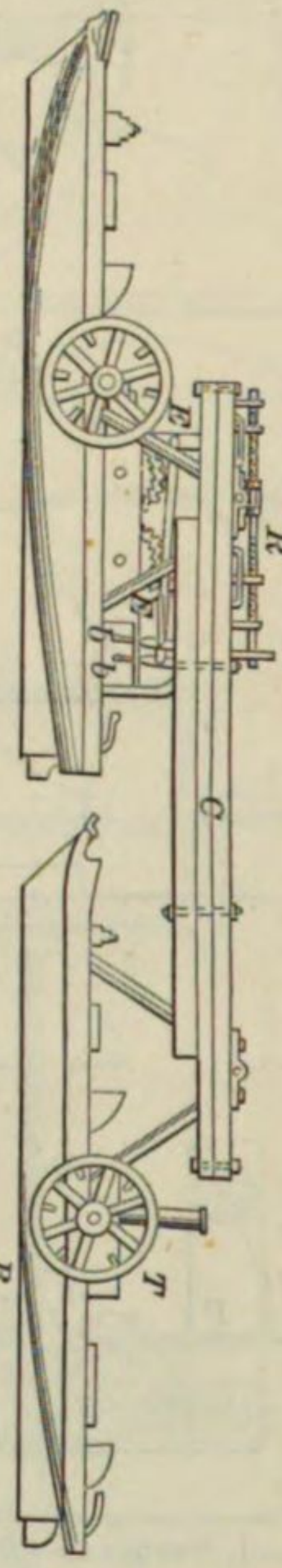
54108—A. C. Carey—*Knitted Mitten.*



54112—J. H. Clapham—*Shaft for Drilling.*

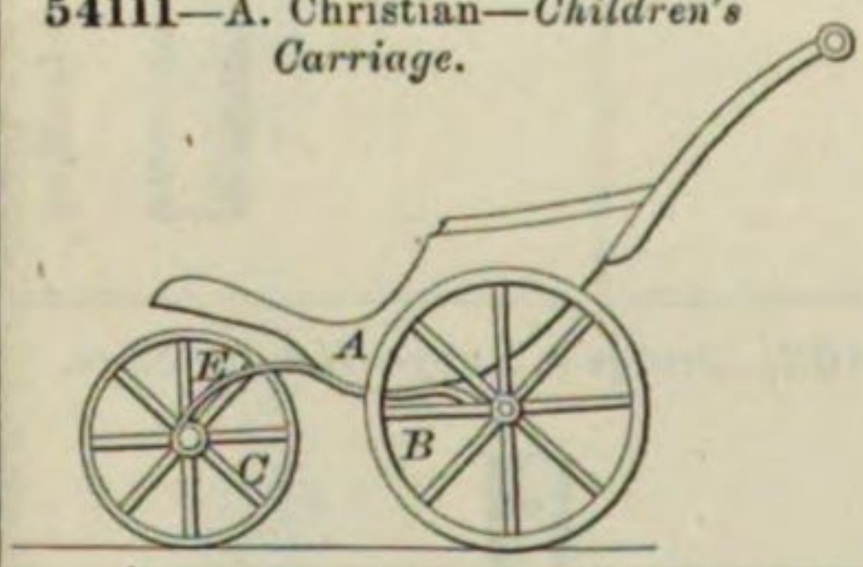


54107—C. W. Cahoon—*Wave Power Propulsion.*

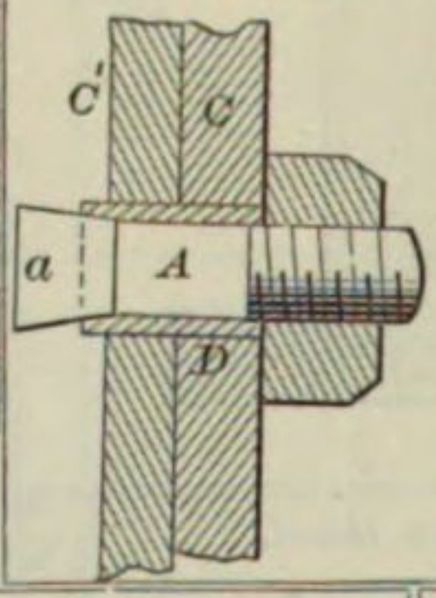


54110—A. Case—*Stereotype Block.*

54111—A. Christian—*Children's Carriage.*



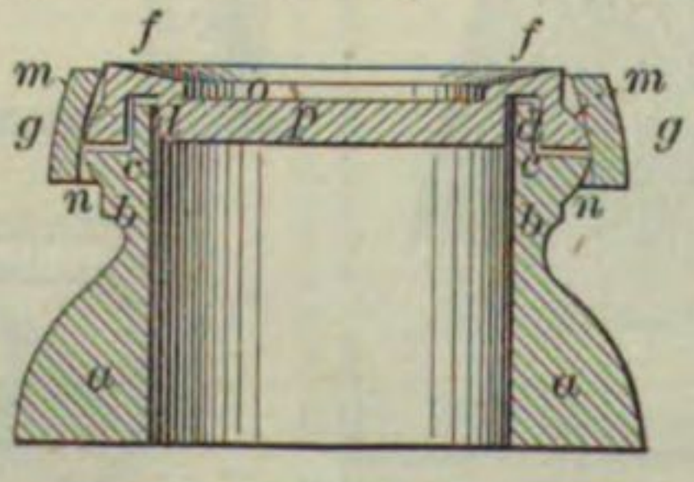
54113—E. Clark—*Bolt Fastening for Boiler Heads.*



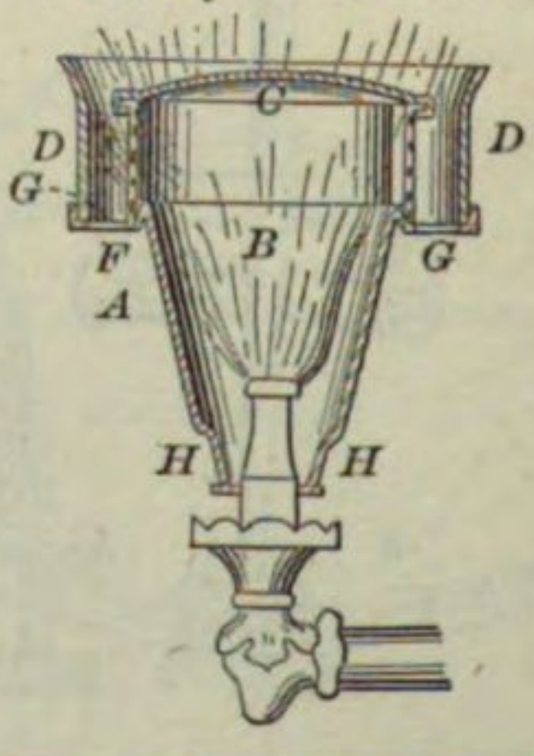
54109—*Machine-made Stocking.*

54116—S. E. Cook—*Imitation of Braided Hair.*

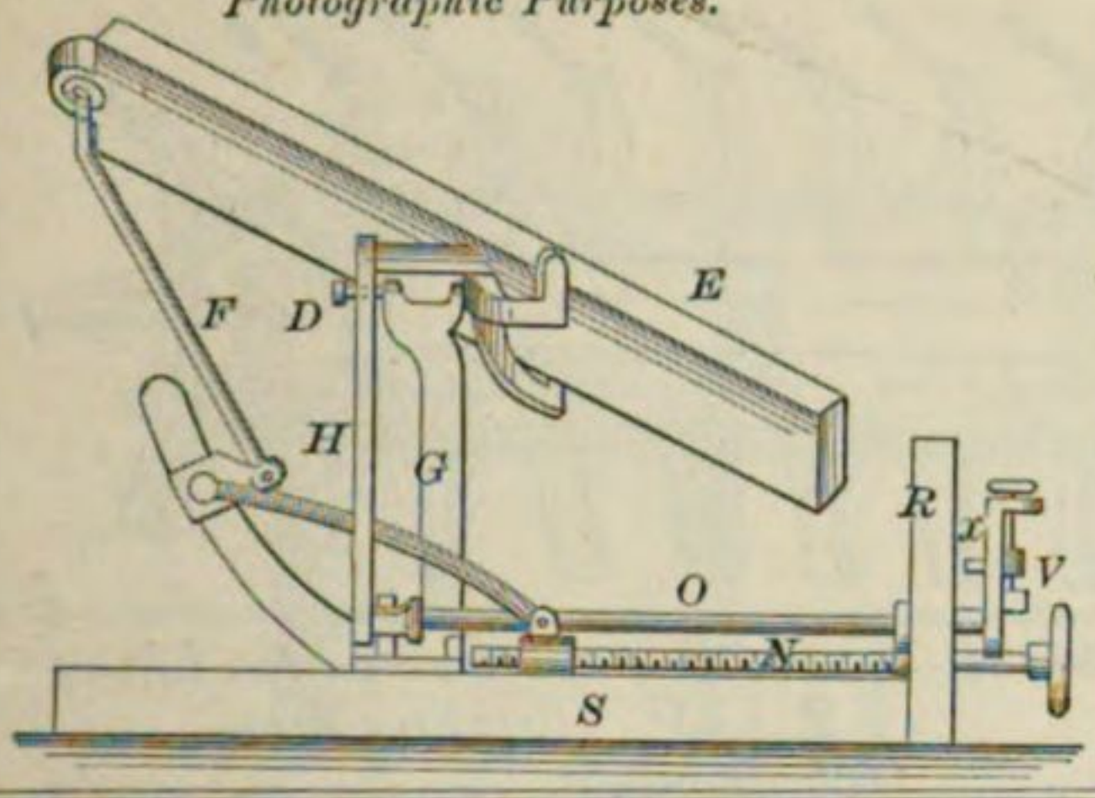
54117—W. F. Corpe—*Fruit Jar.*



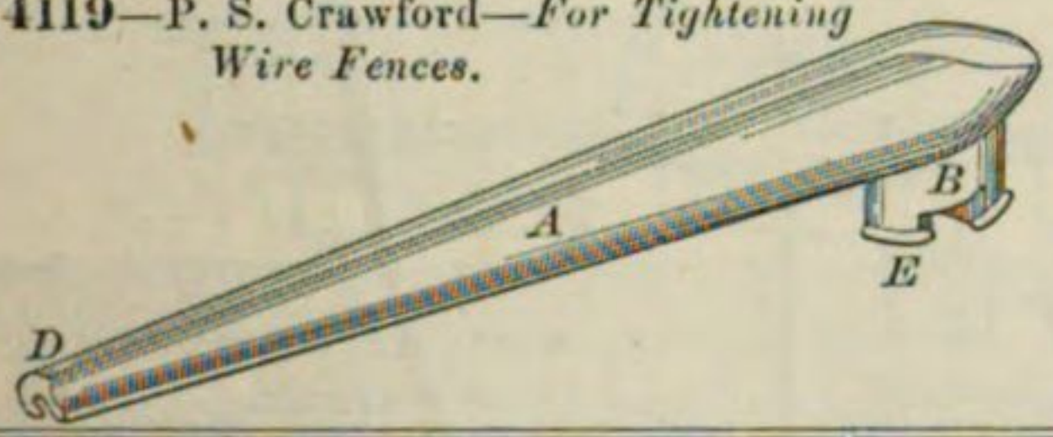
54114—Clark & Savage—*Burner for Gas Stoves.*



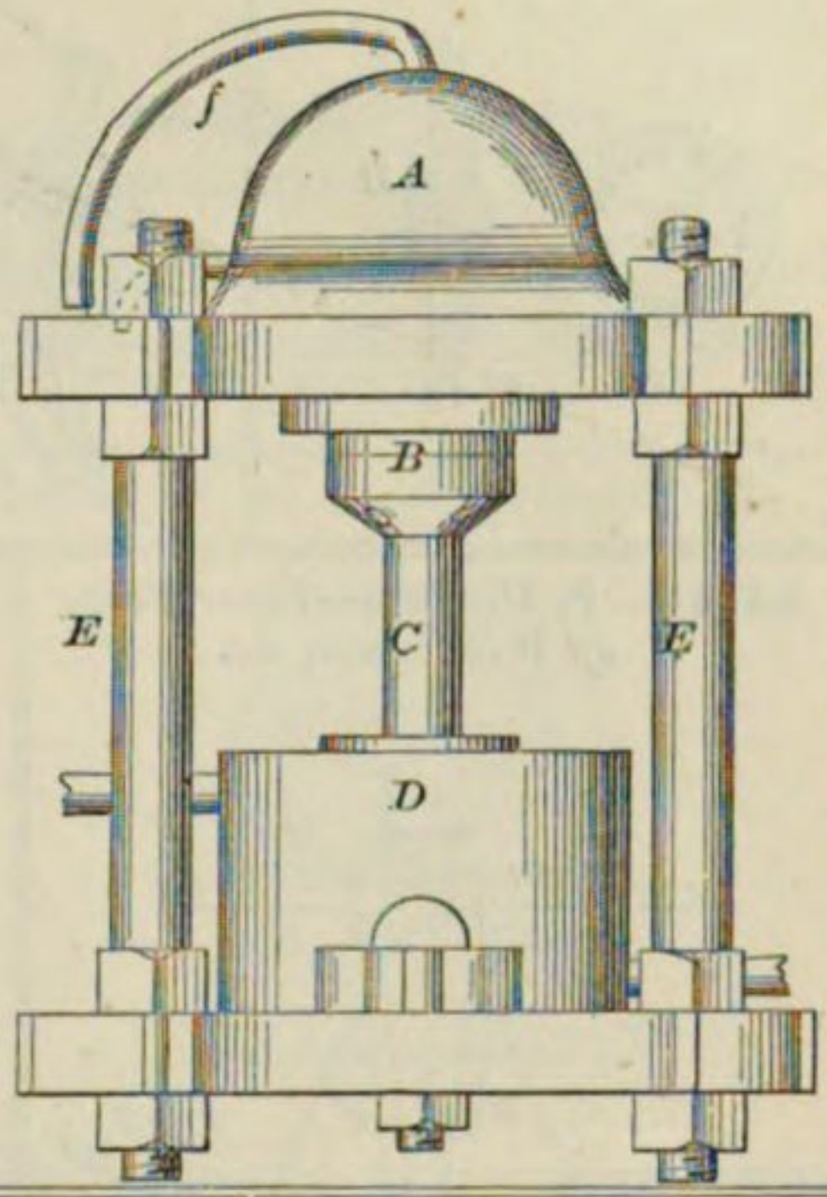
54118—Crane & Pease—*Solar Mirror for Photographic Purposes.*



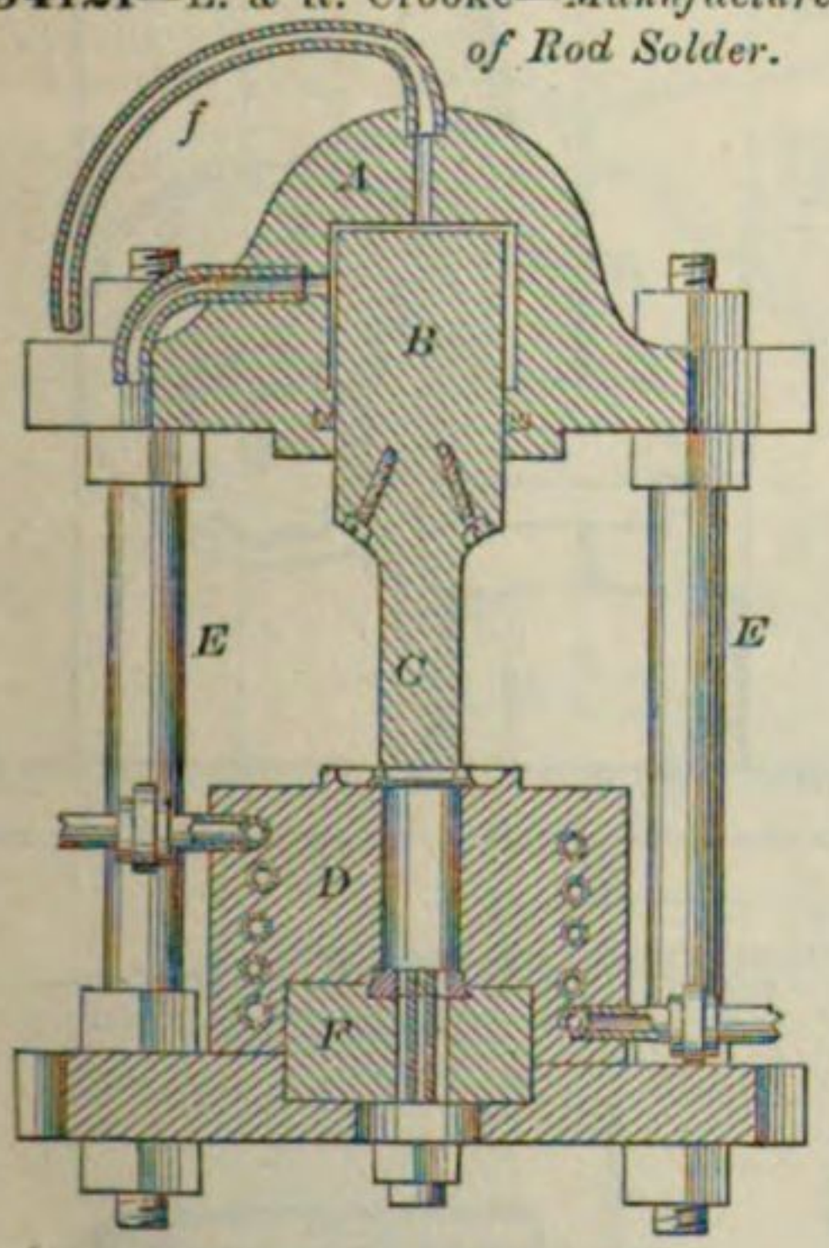
54119—P. S. Crawford—*For Tightening Wire Fences.*



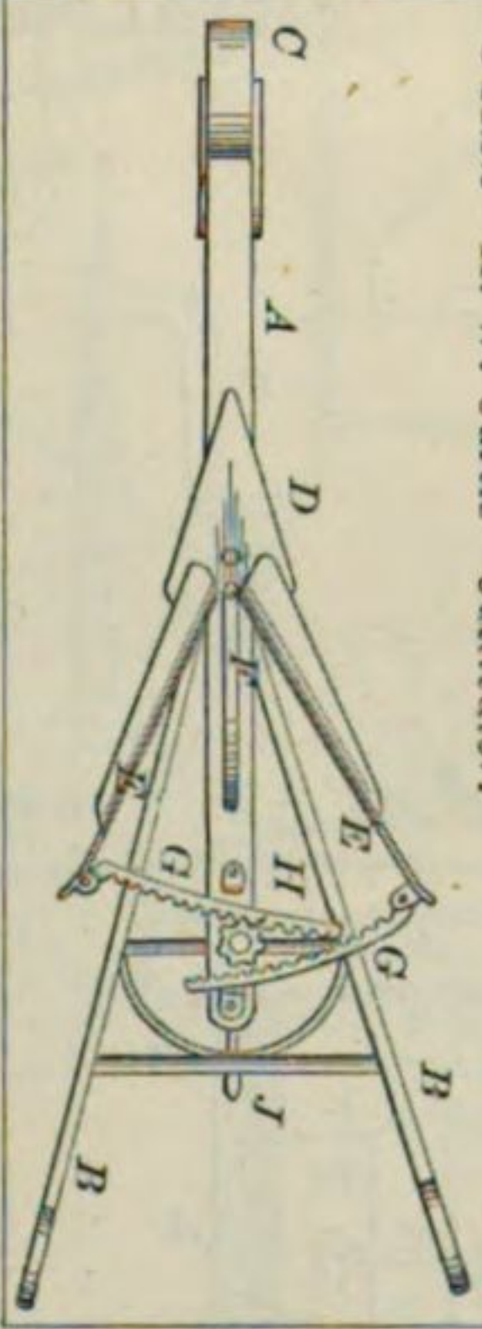
54120—L. & R. Crooke—*Compressed Rod Solder.*



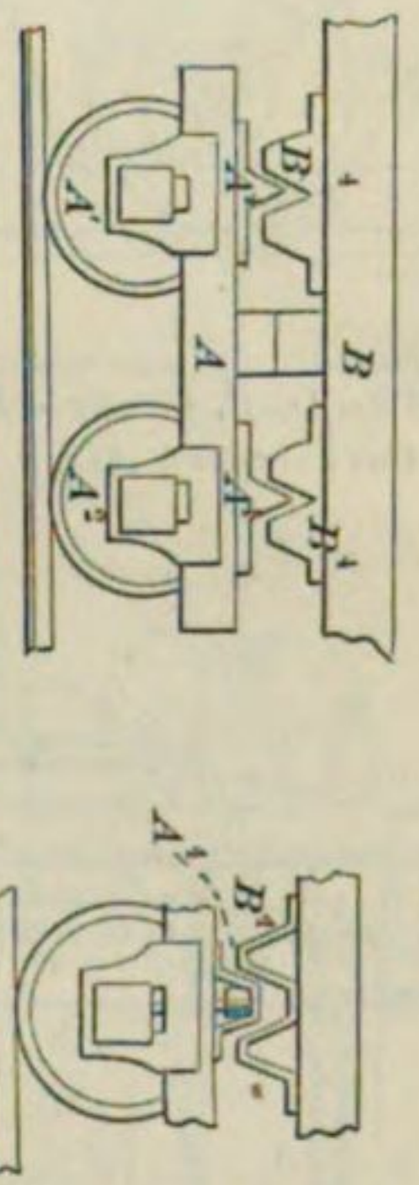
54121—L. & R. Crooke—*Manufacture of Rod Solder.*



54122—H. W. Curtis—*Cultivator.*

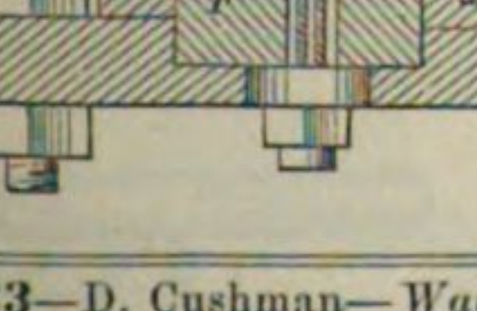


54125—W. Dawson—*Car Truck.*



54123—D. Cushman—*Water Wheel.*

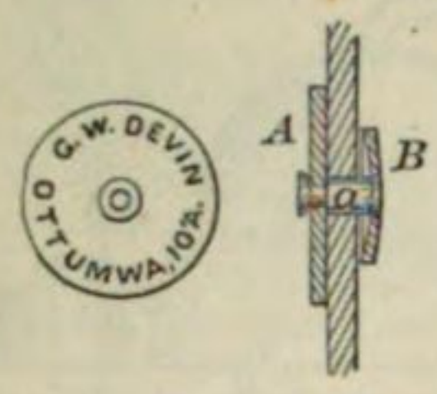
Fig 4



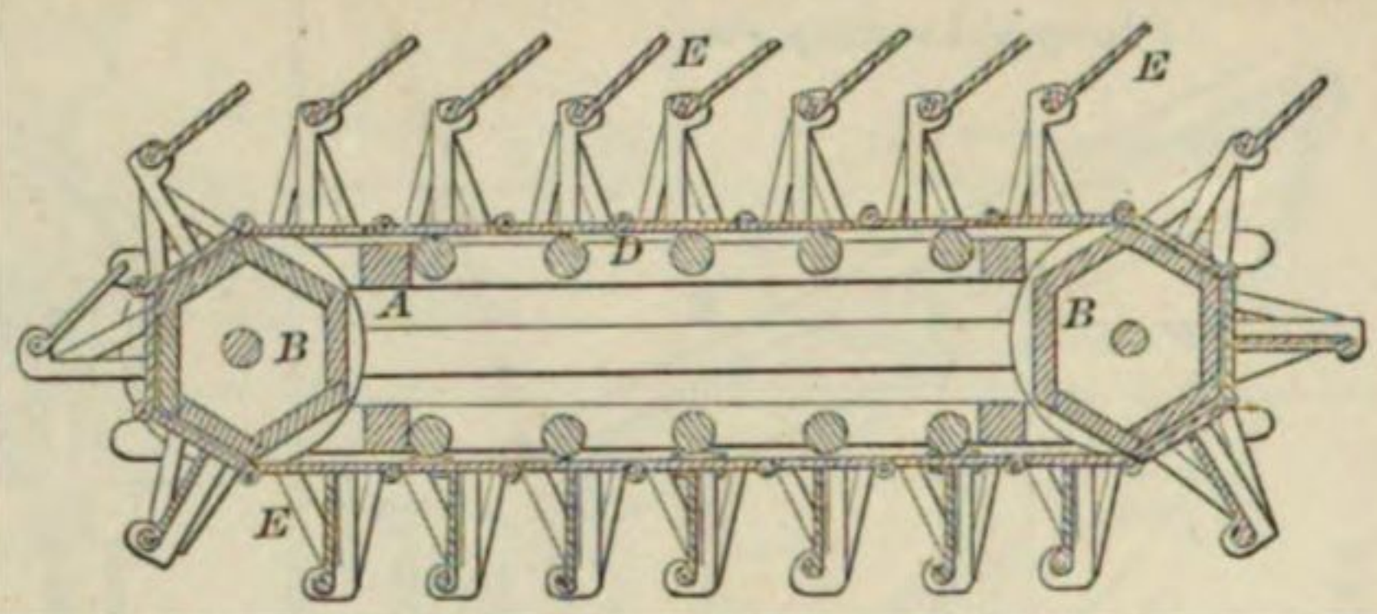
54124—J. M. Davis—*Track Clearer for Moving Machines.*

54126—M. Decamp—*Revolving Grain Feeder.*

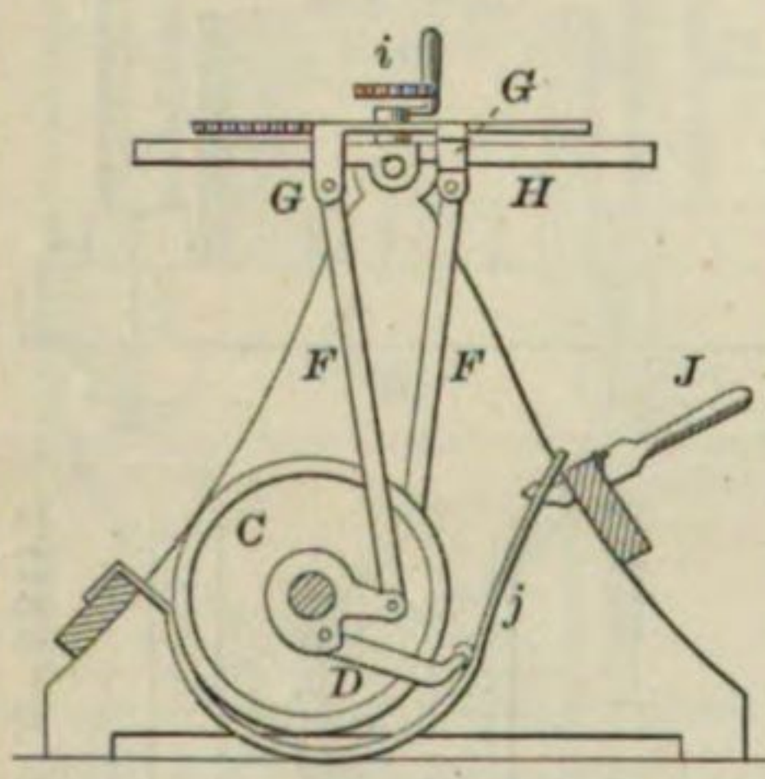
54127—G. W. Devin—*Marking Stock.*



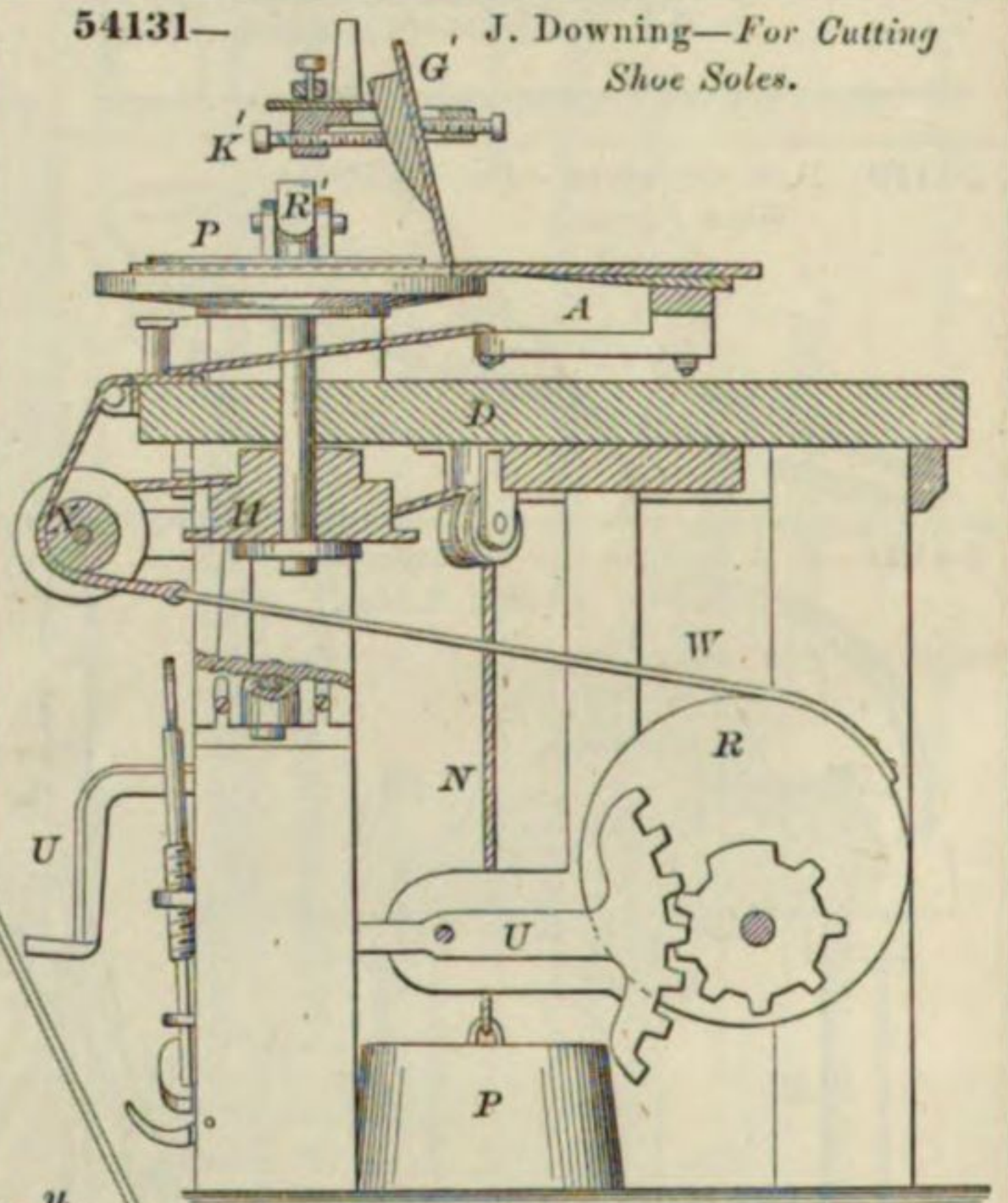
54128—M. Devoe—*Water Wheel.*



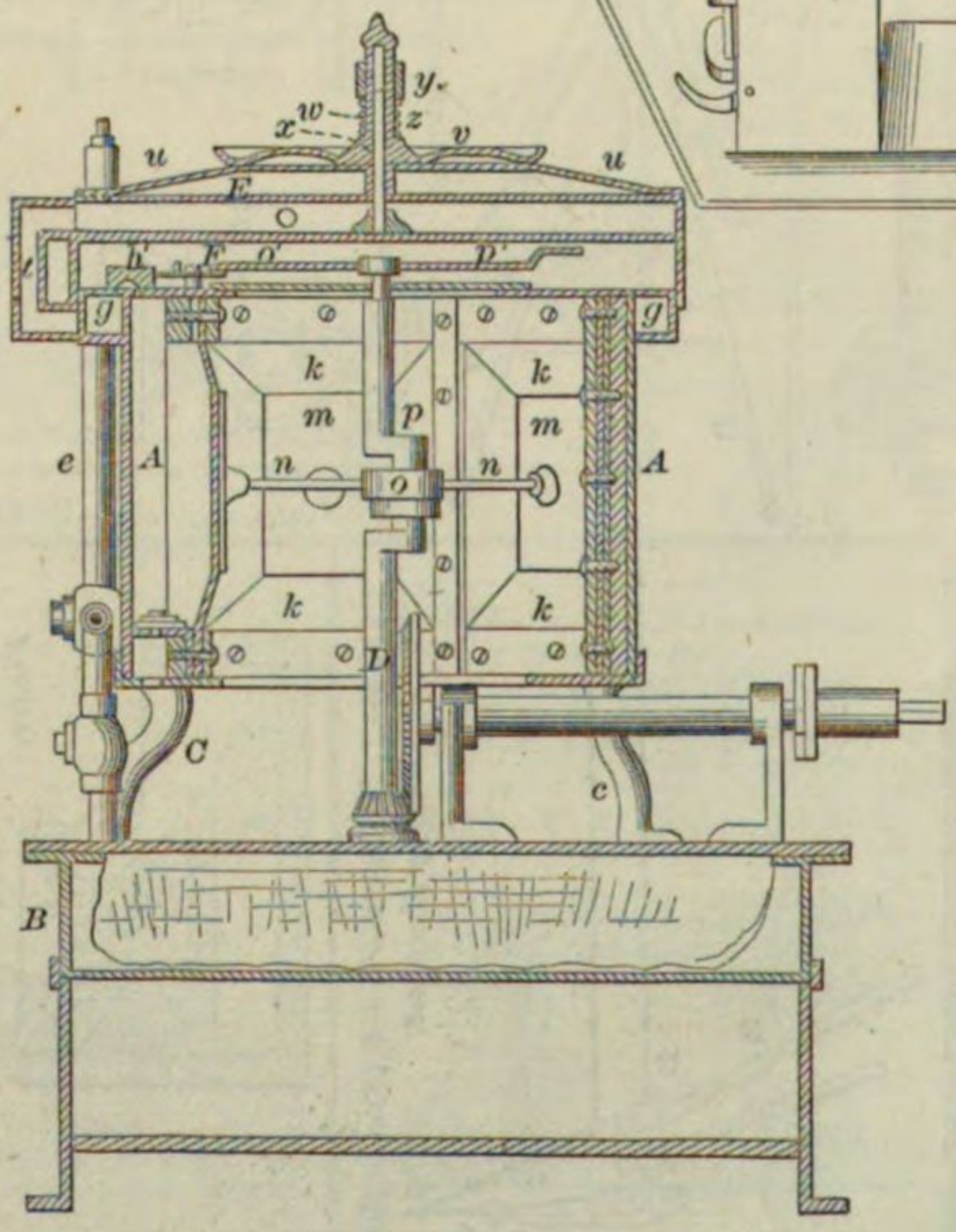
54130—P. Dickson—*Lever Power of Windlasses, &c.*



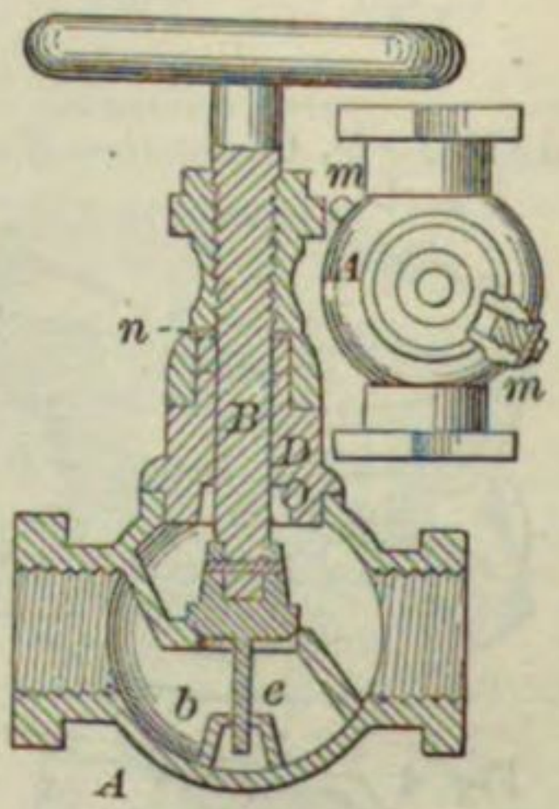
54131—J. Downing—*For Cutting Shoe Soles.*



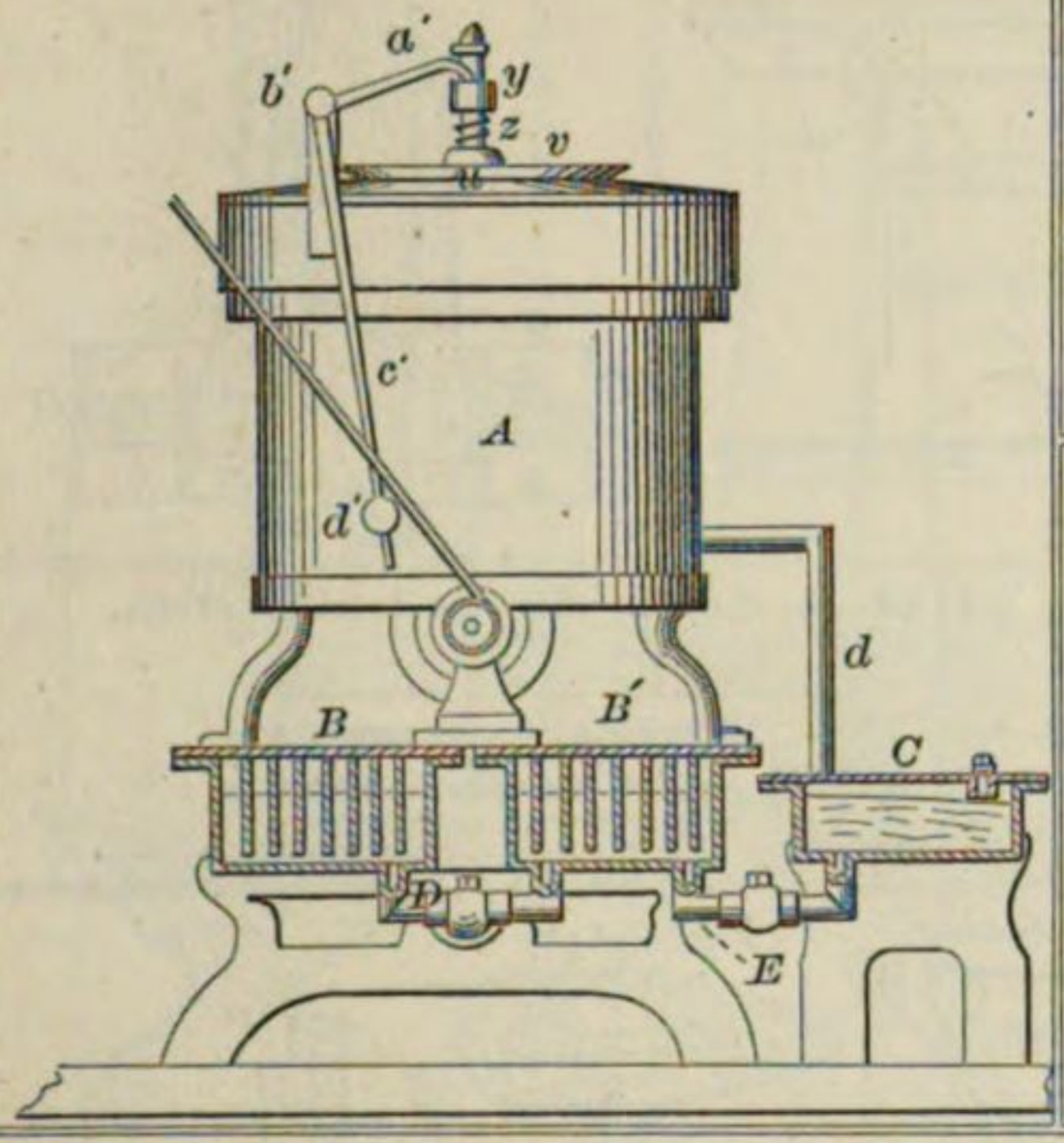
54132—O. P. Drake—*For Carburetting Air.*



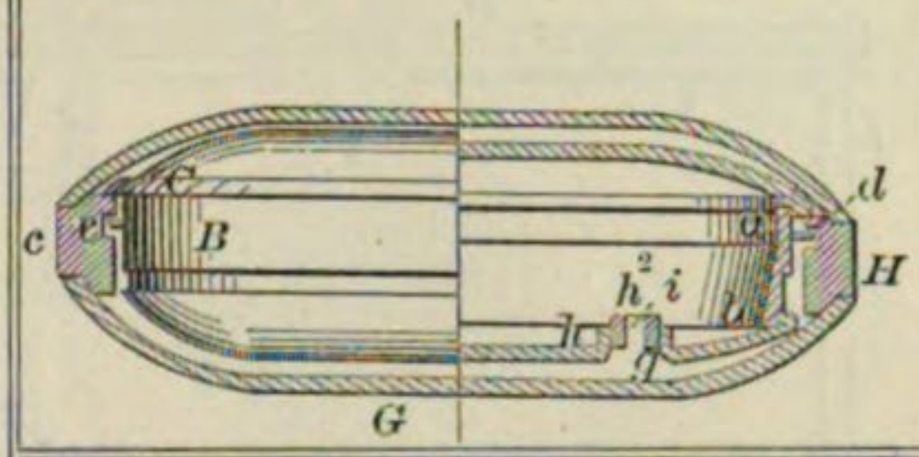
54129—T. B. Dexter—*Steam Valve.*



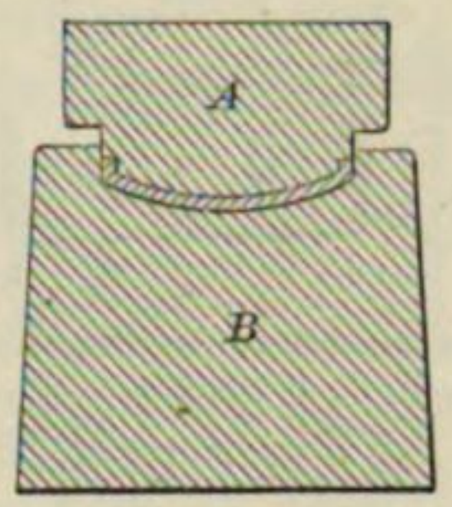
54132—*Continued.*



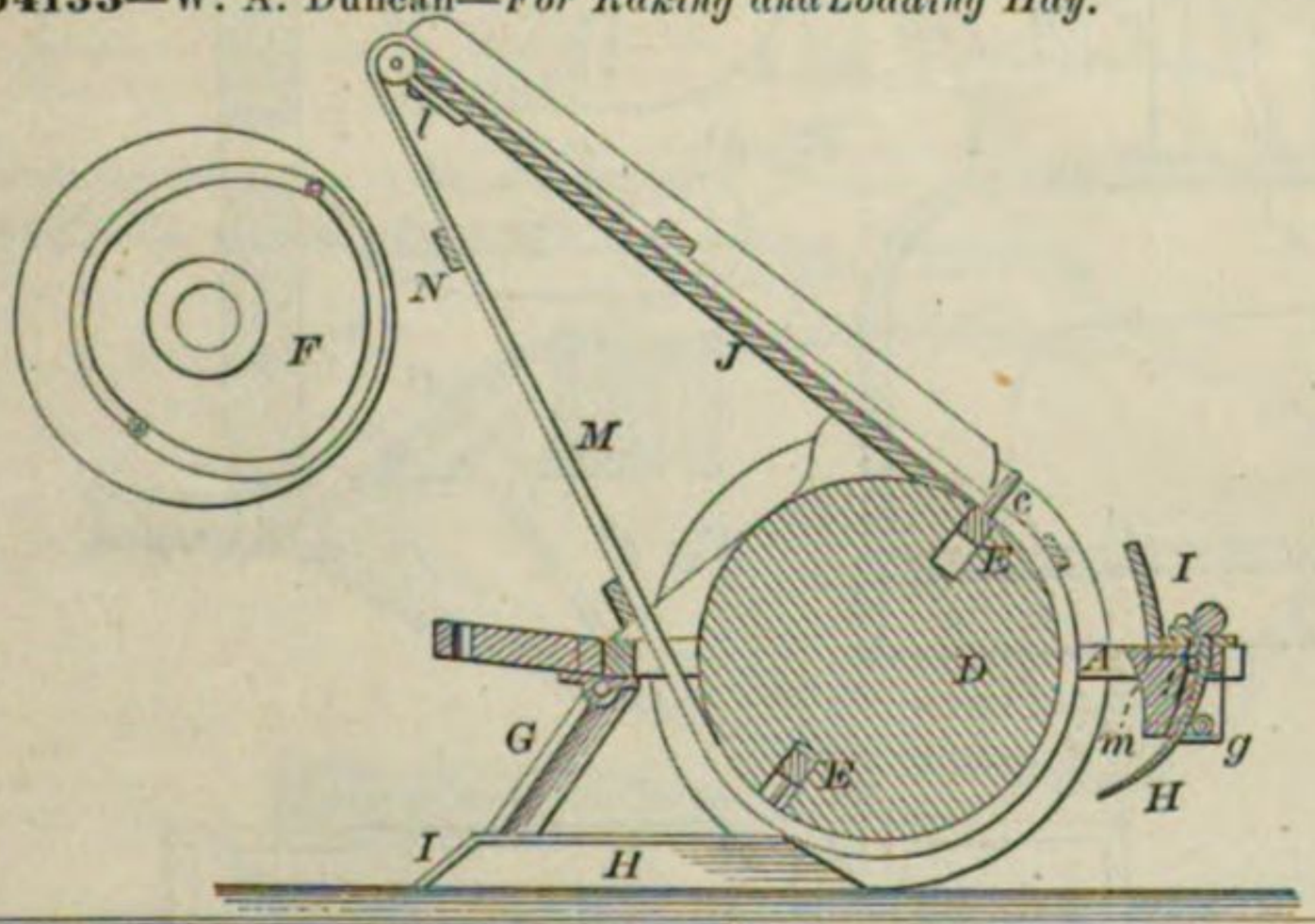
54135—S. D. Engle—*Watch.*



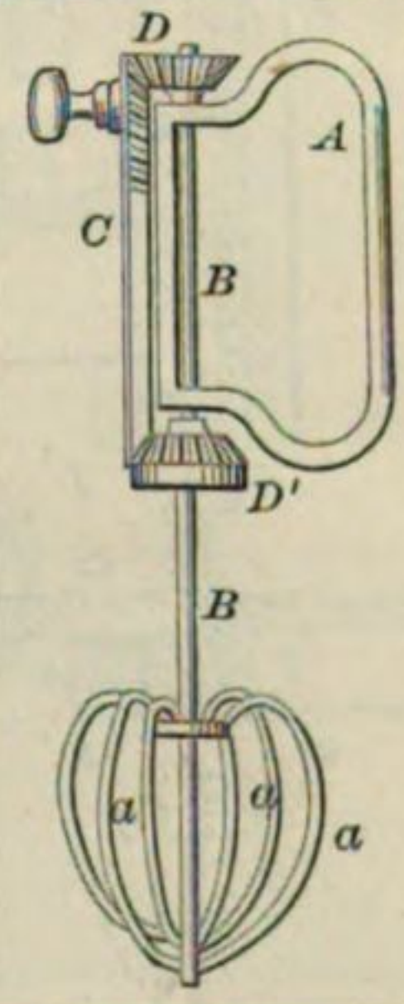
54137—C. H. Field—*Watch Back.*



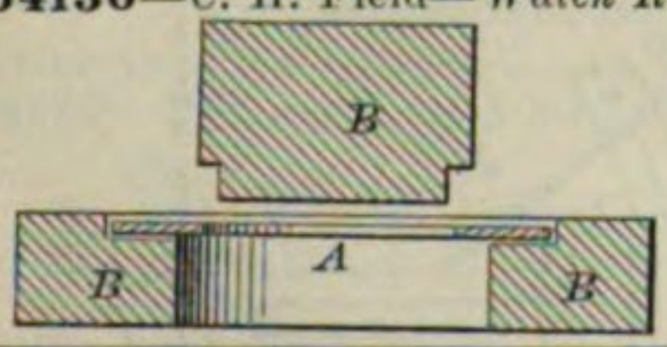
54133—W. A. Duncan—*For Raking and Loading Hay.*



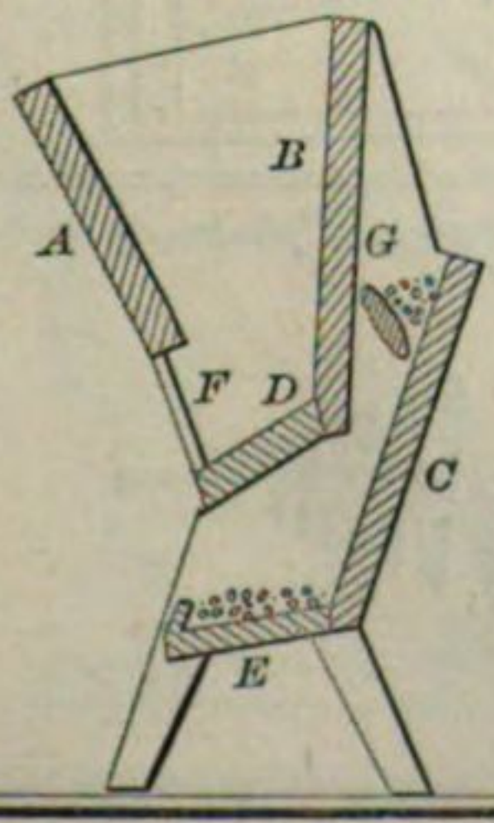
54134—T. Earle—*Egg Beater.*



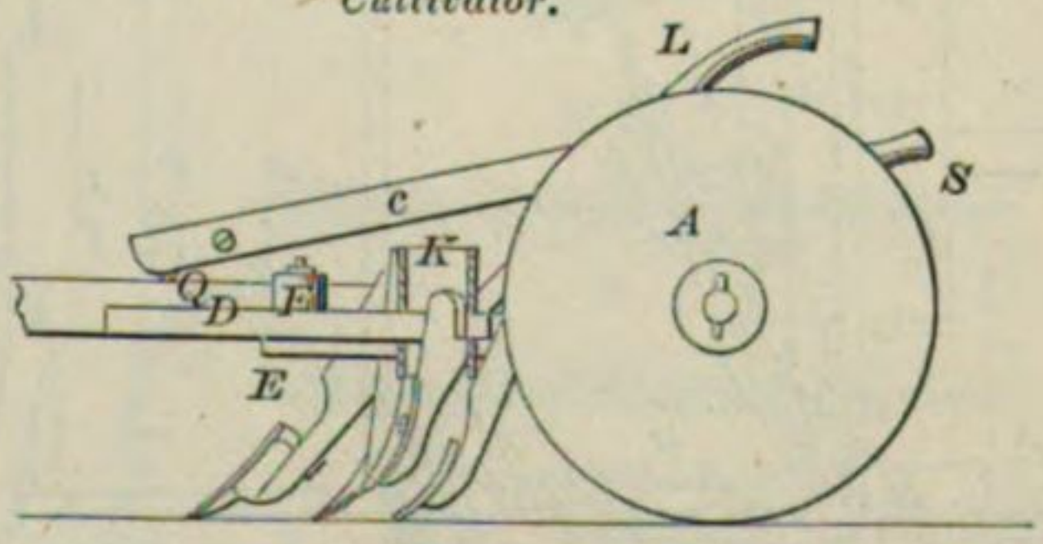
54136—C. H. Field—*Watch Rim.*

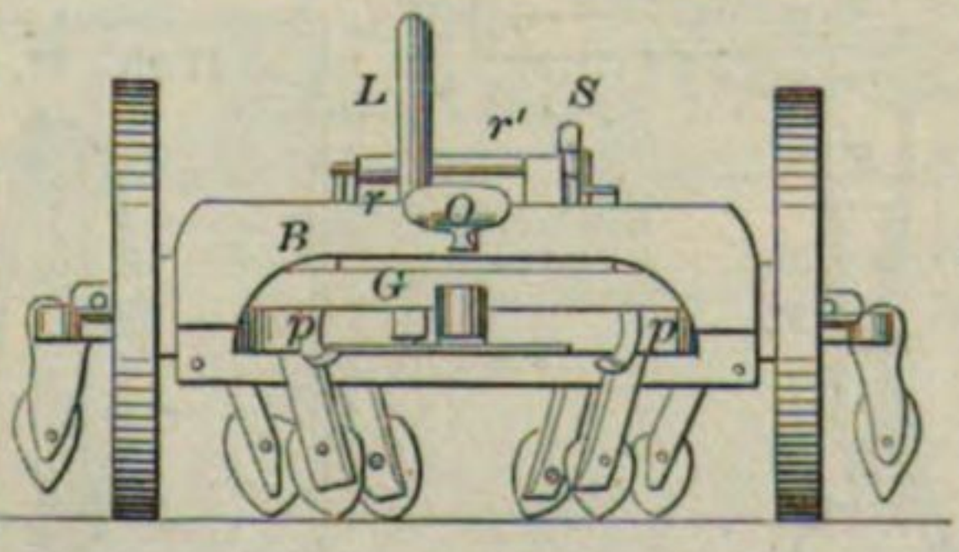


54138—M. Foreacre—*Sheep Rack.*

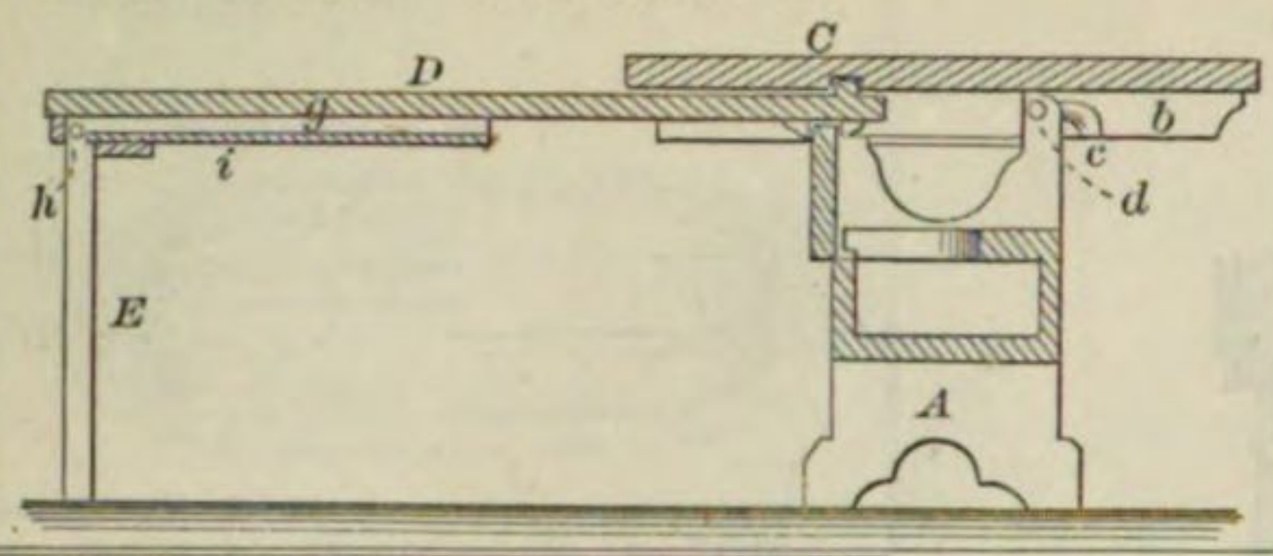


54139—J. L. Fountain—*Combined Seeder and Cultivator.*

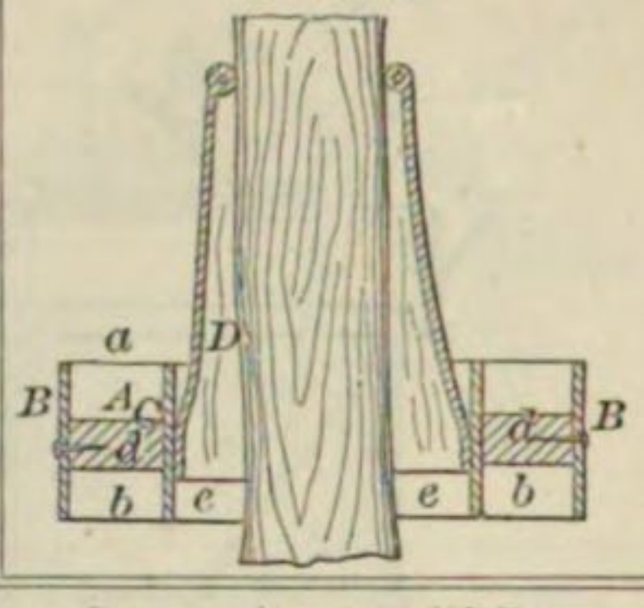




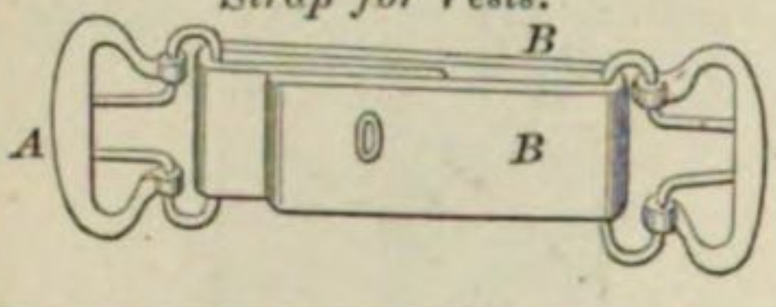
54140—E. Fowler—*Settee and Table.*



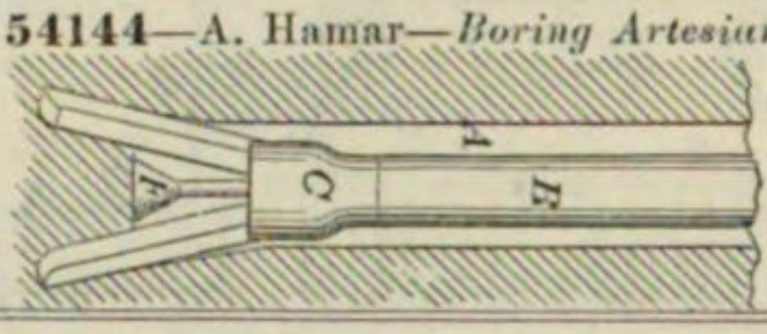
54141—G. Frost—*Tree Protector.*



54142—R. Gibbons—*Adjustable Back Strap for Vests.*



54144—A. Hamar—*Boring Artesian Wells.*



54145—T. J. Halligan—*Waxed Thread Sewing Machine.*

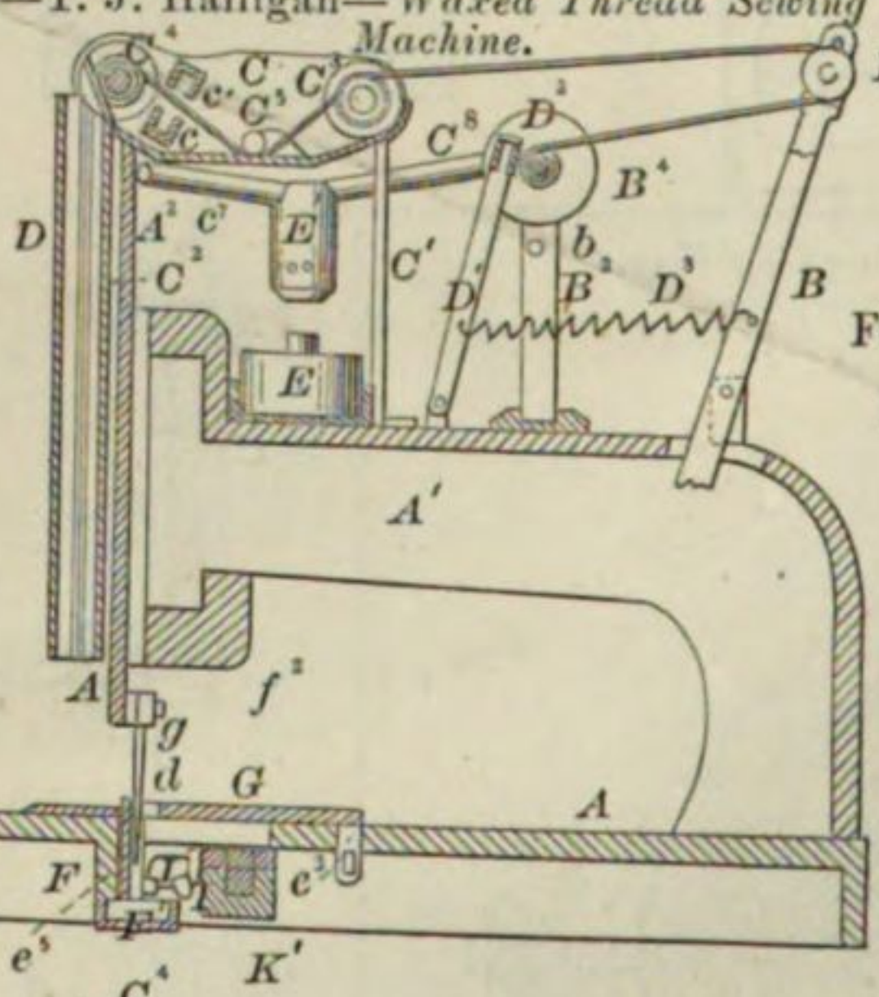


Fig. 5 t^2 t^2

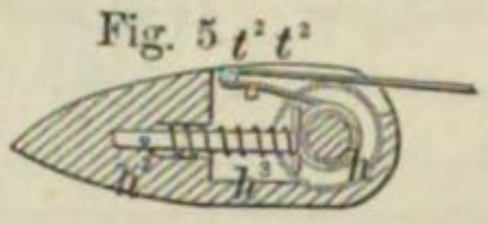


Fig. 6

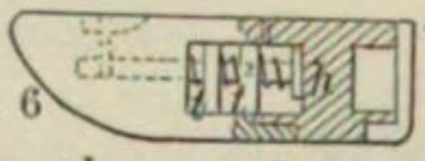


Fig. 6¹

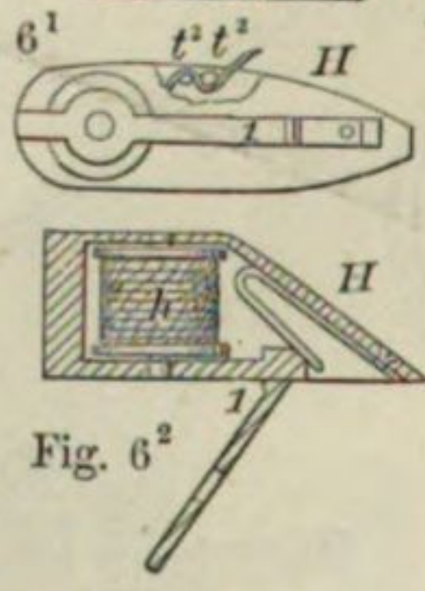
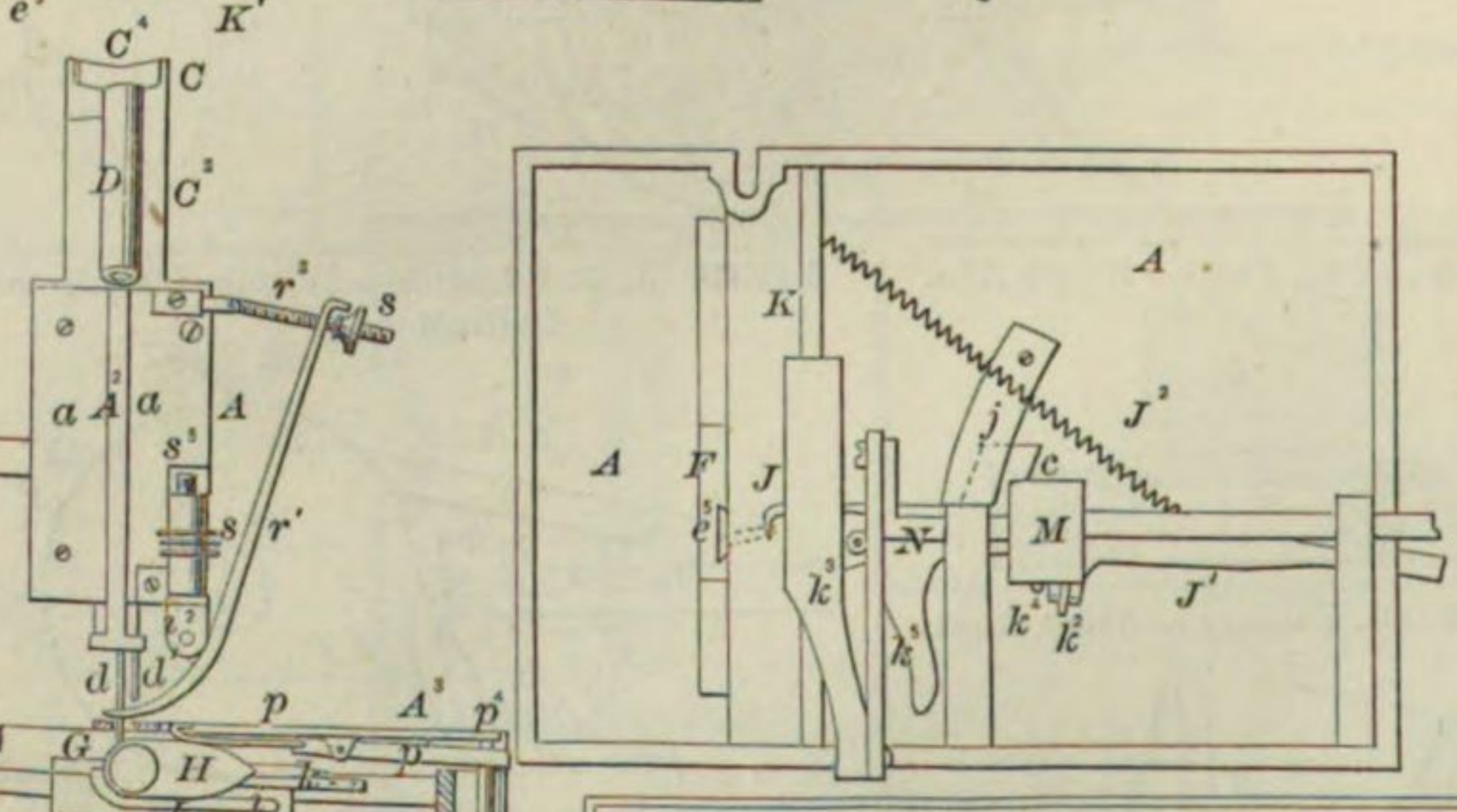
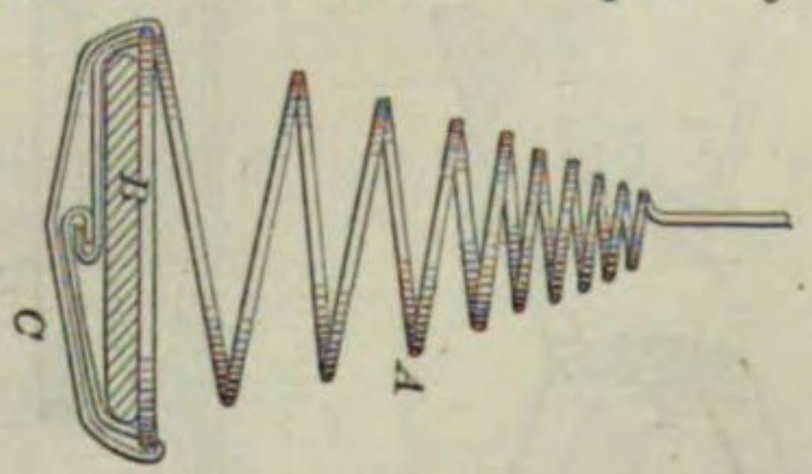


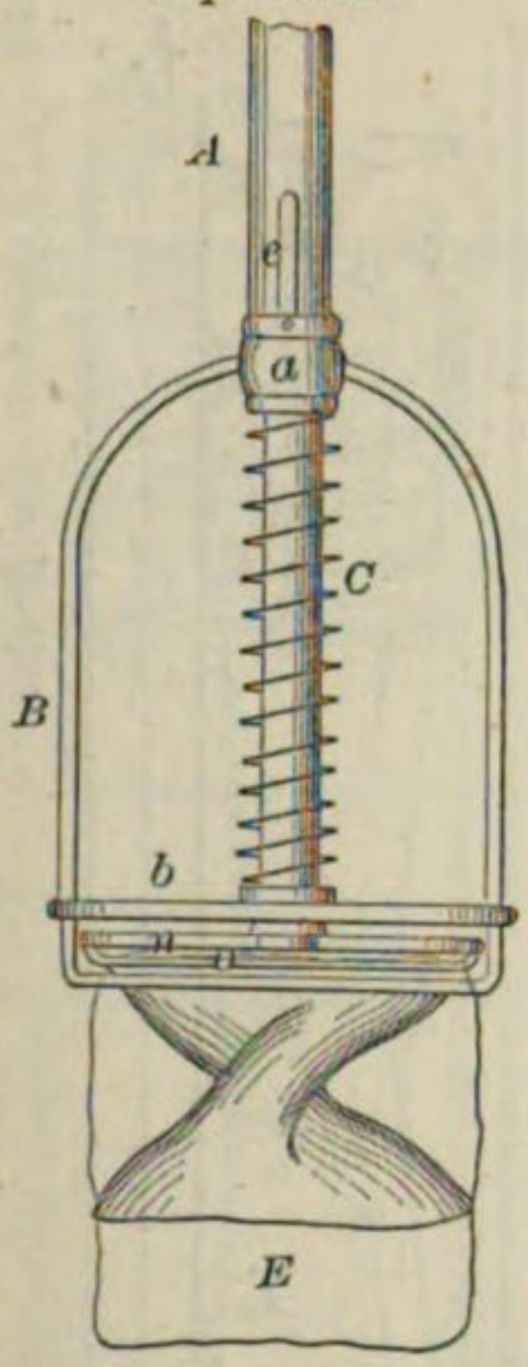
Fig. 6²



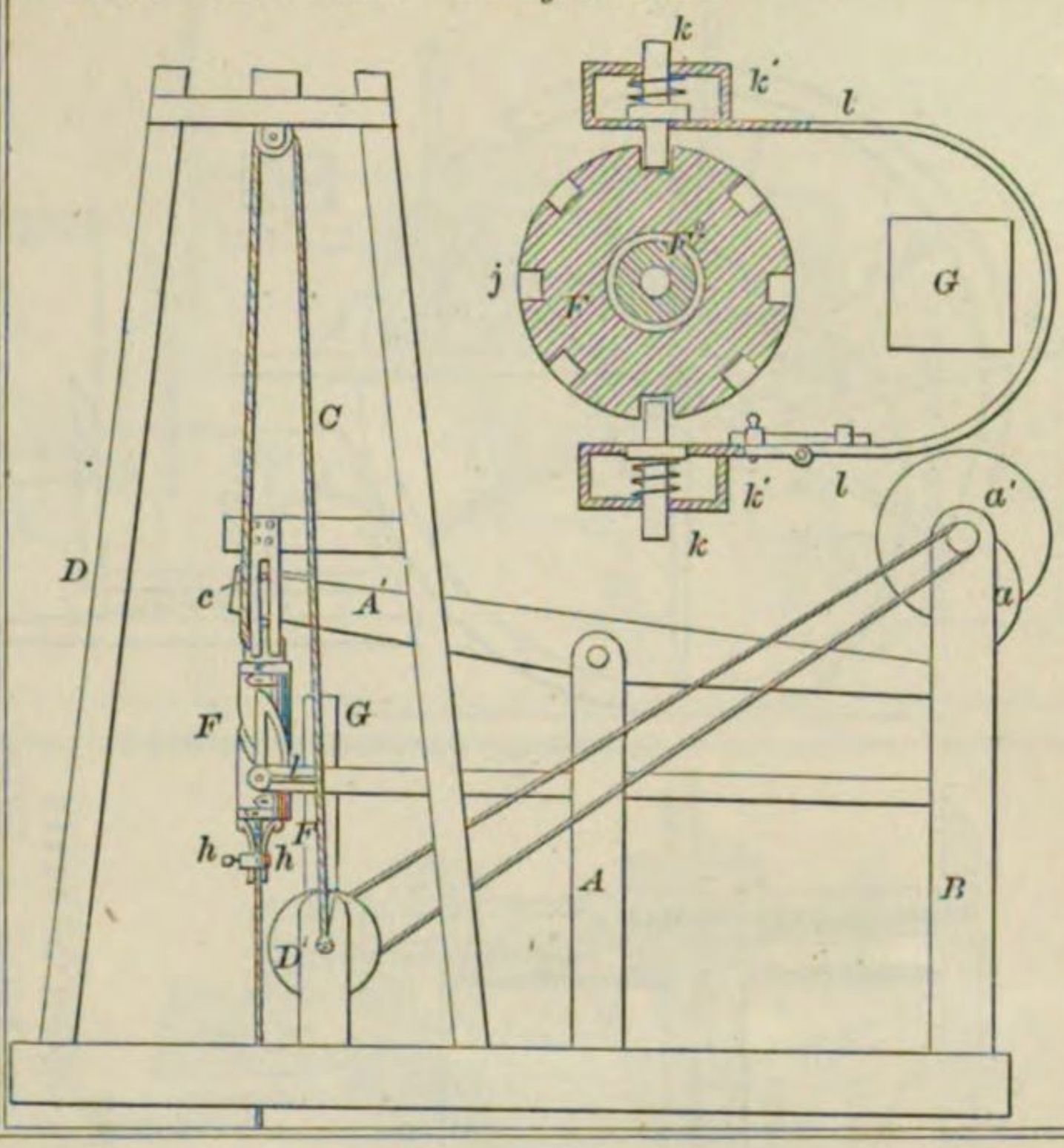
54143—W. H. Goodale—*Upholstery Spring.*



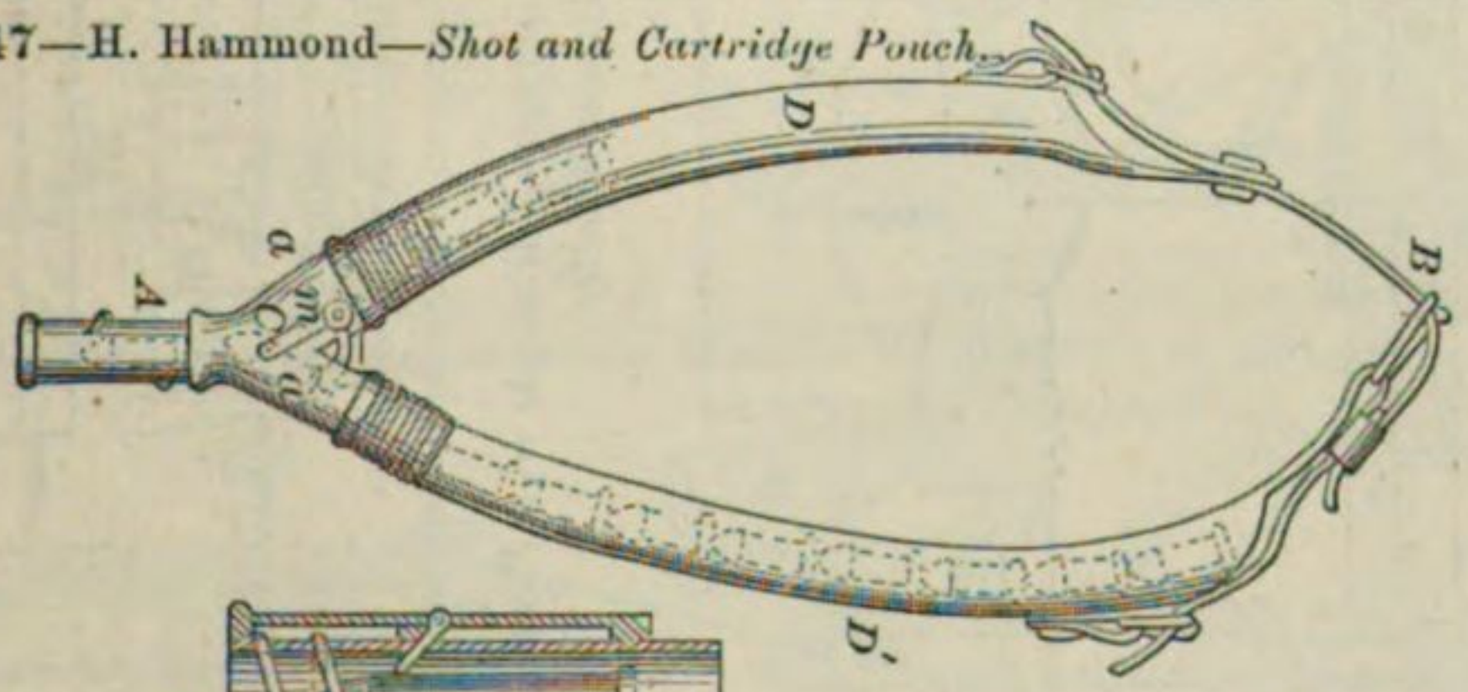
54146—G. H. Hammer—*Mop Head.*

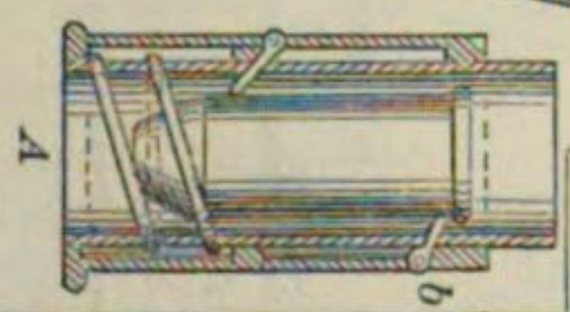


54148—D. R. Harder—*Boring Oil Wells.*

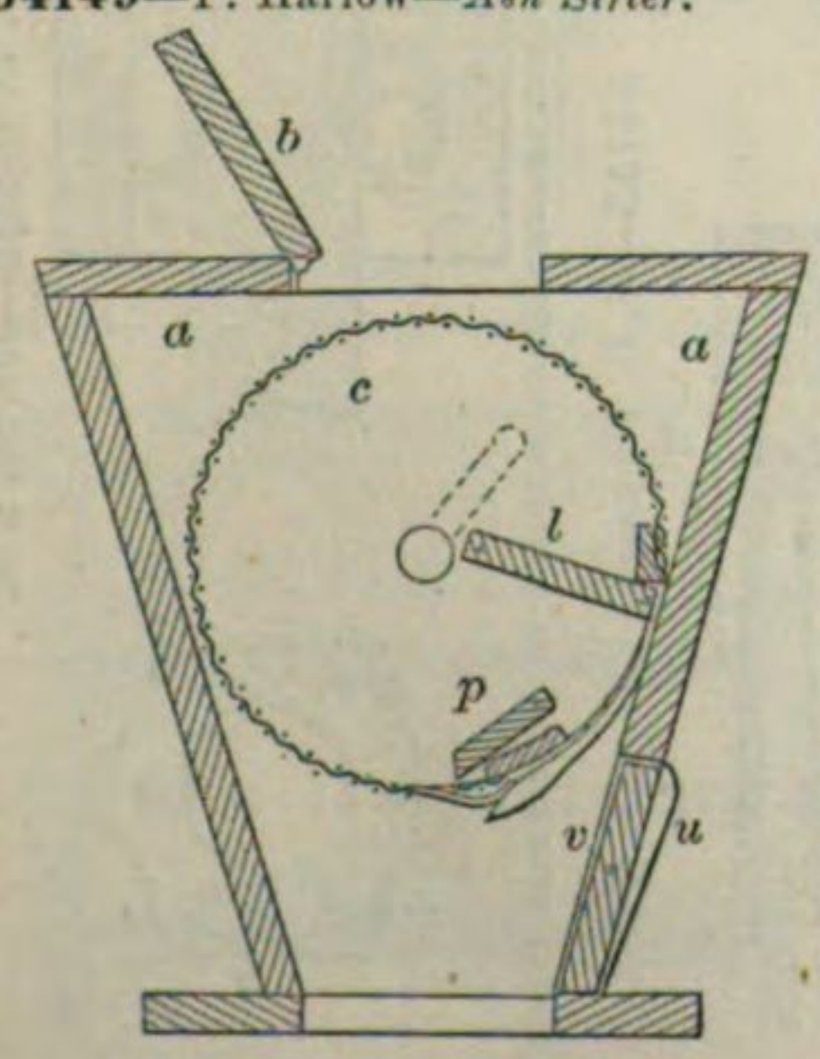


54147—H. Hammond—*Shot and Cartridge Pouch.*

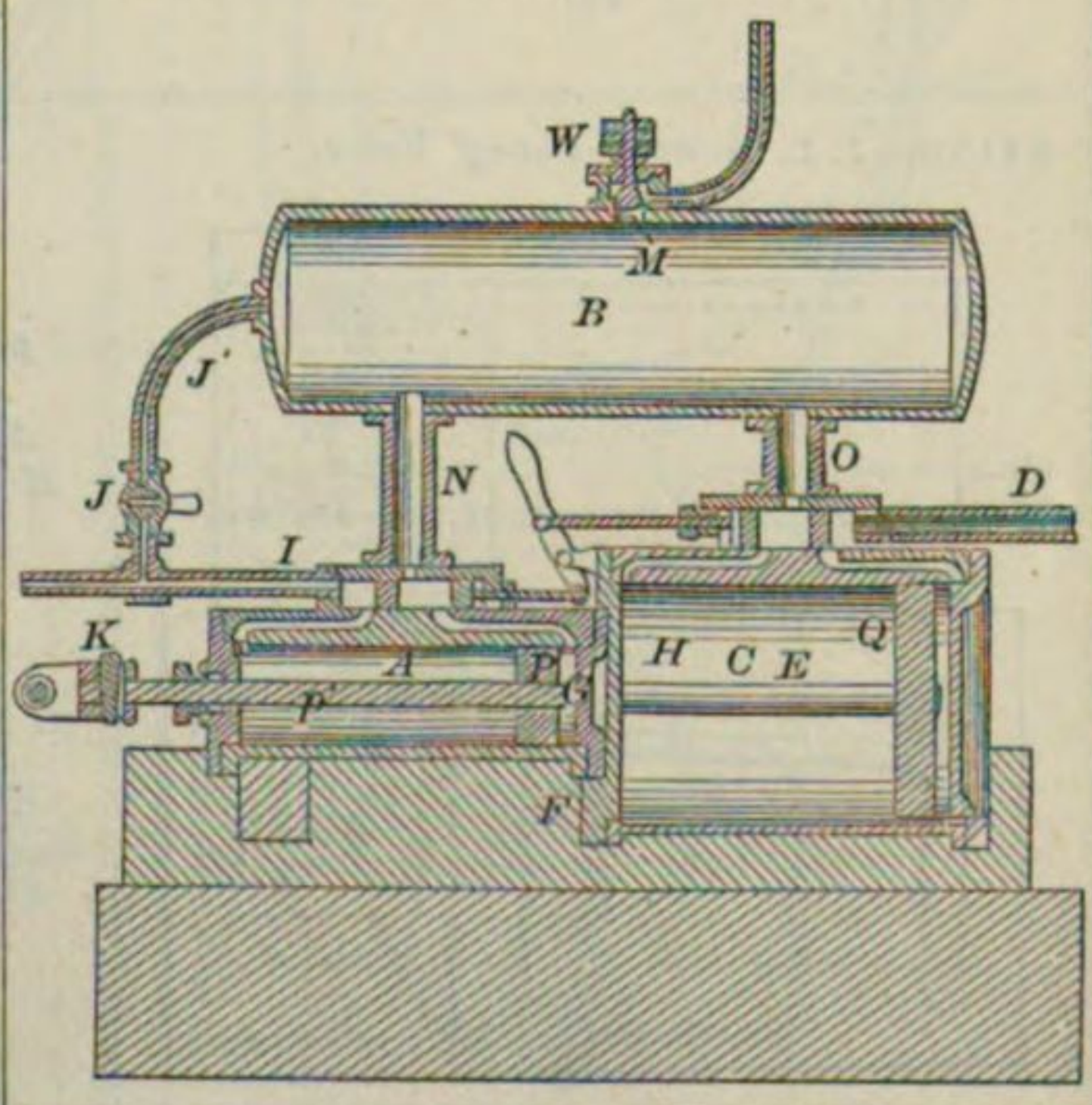




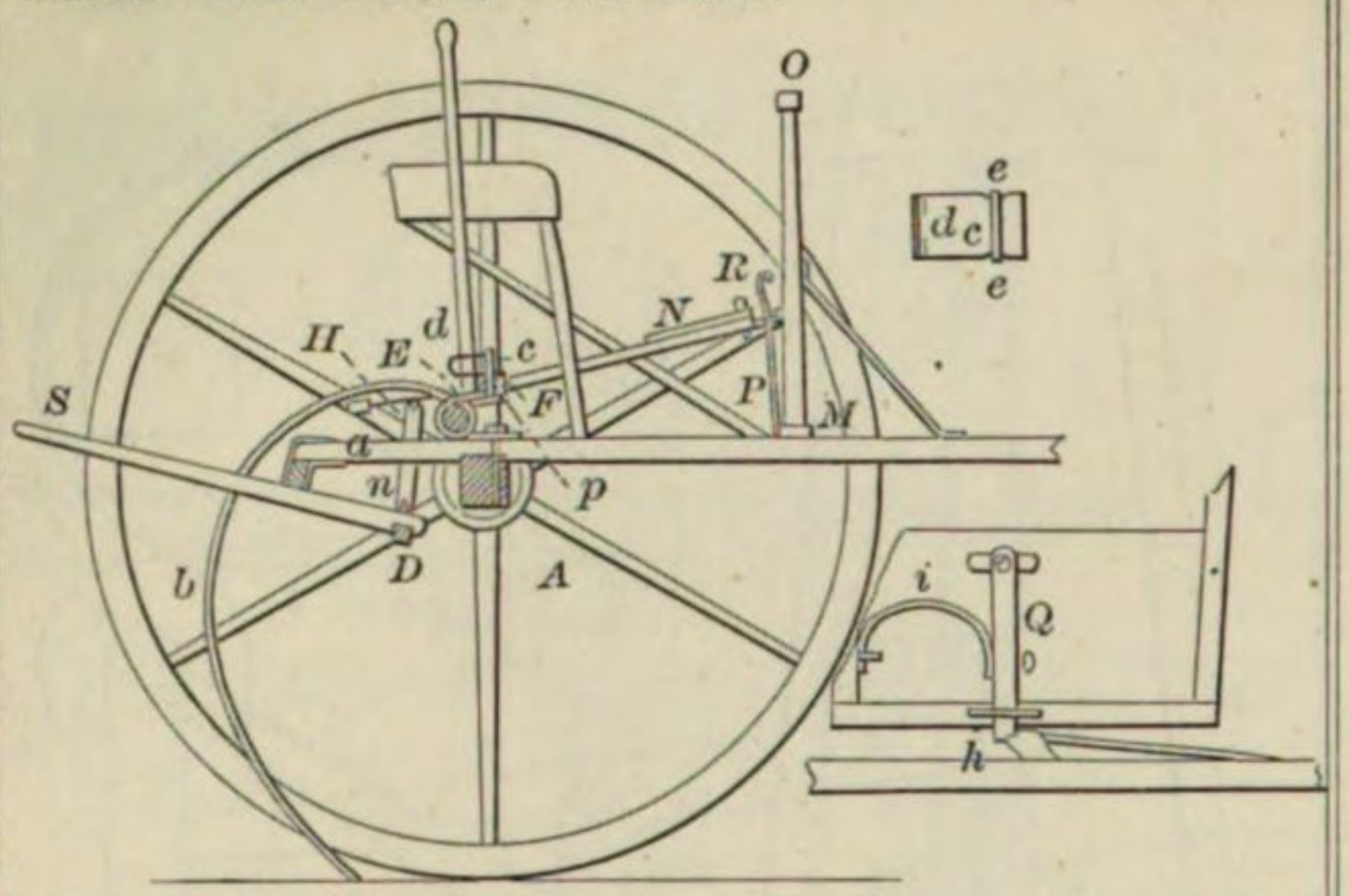
54149—P. Harlow—*Ash Sifter.*



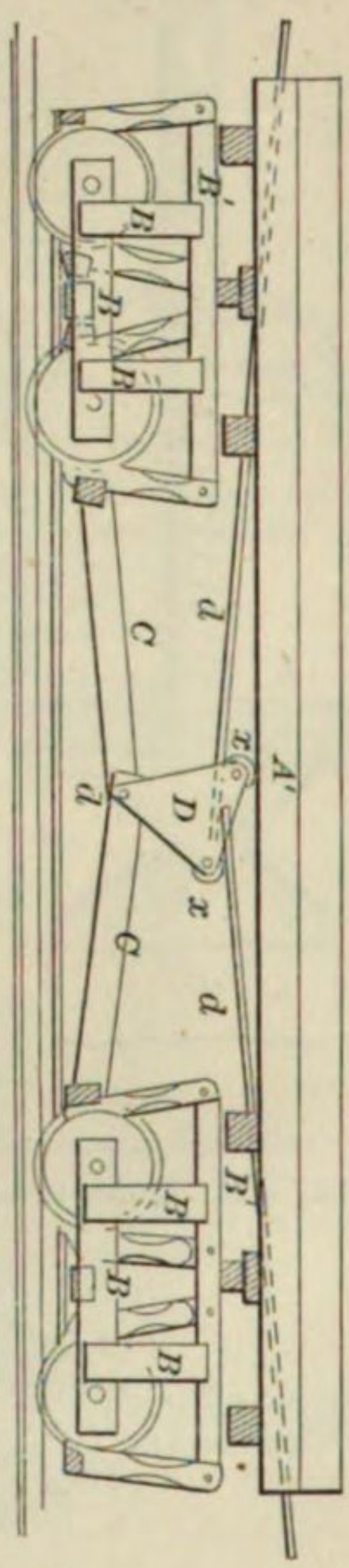
54150—A. Hartupee—*Steam Engine.*



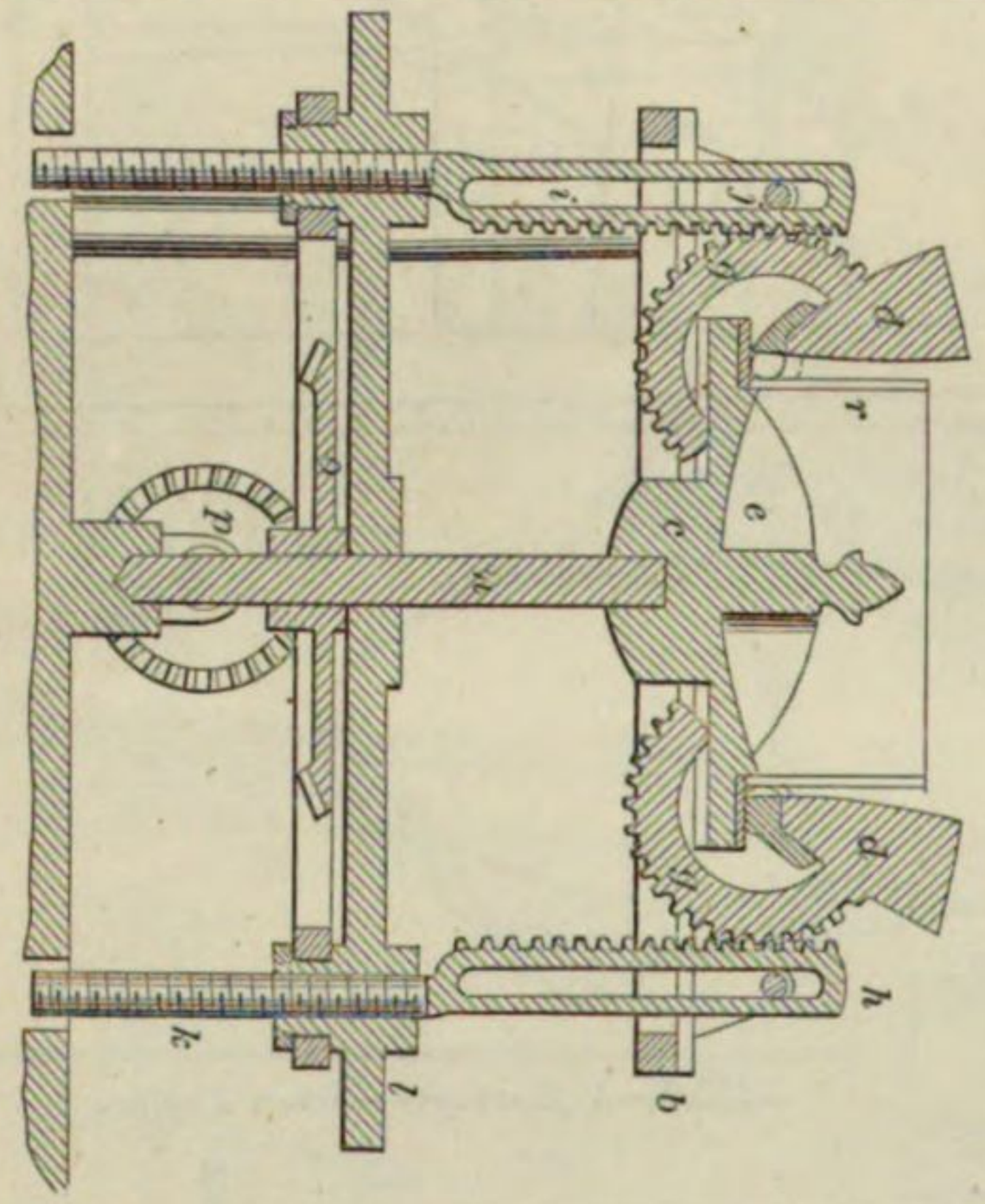
54151—H. R. Hawkins—*Horse Rake.*



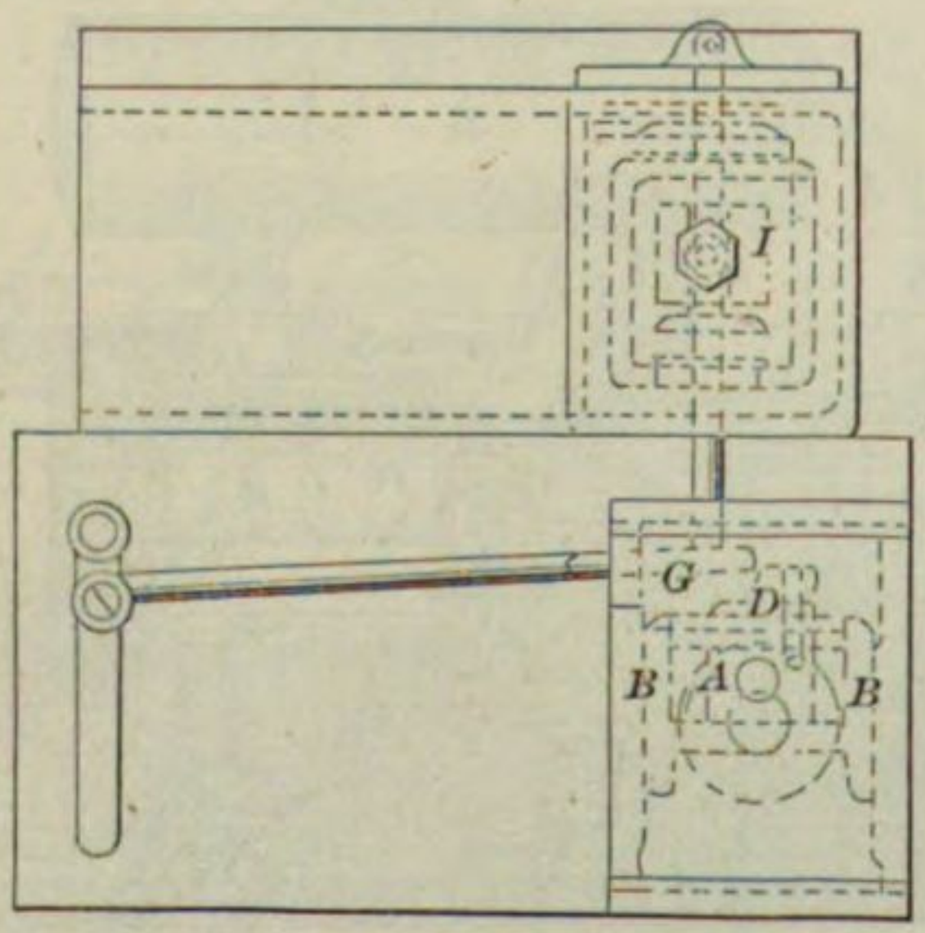
54152—G. H. Henkel—*Car Brake.*



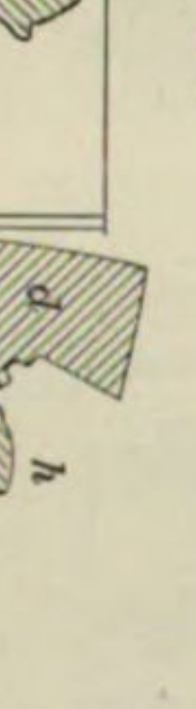
54154—C. Hewitt—*Corrugated Wrought Iron Plates for Railroad Wheels.*



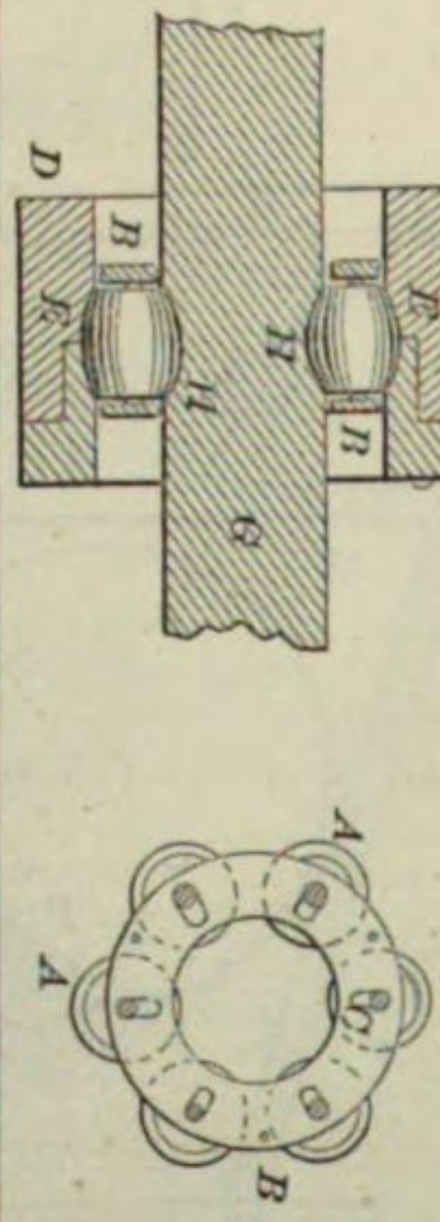
54153—J. L. Hewes—*Cut-off Valve.*



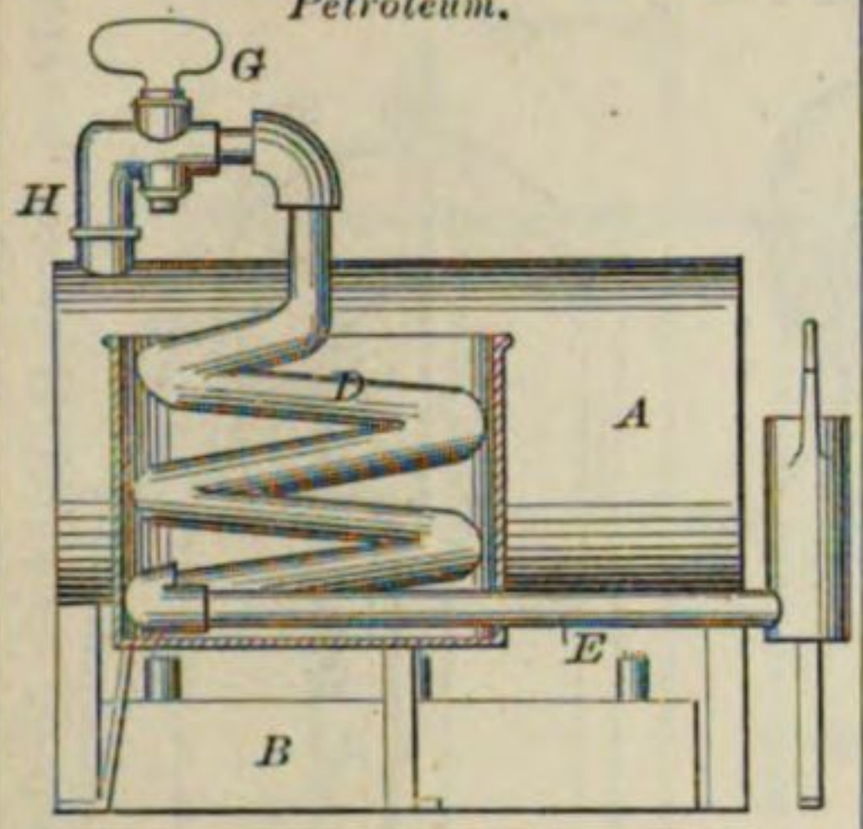
54155—G. G. Hickman—*Carriage Wheel.*



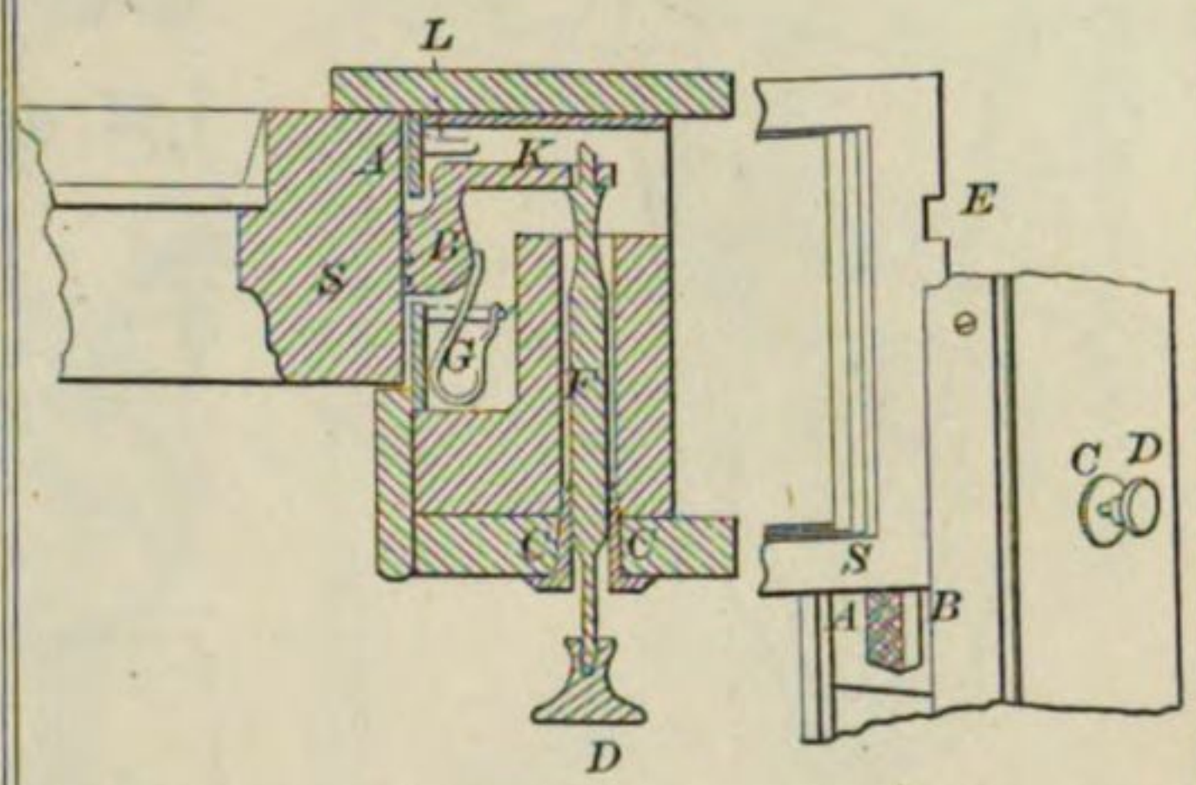
54156—D. K. Hickok—*Journal Box.*



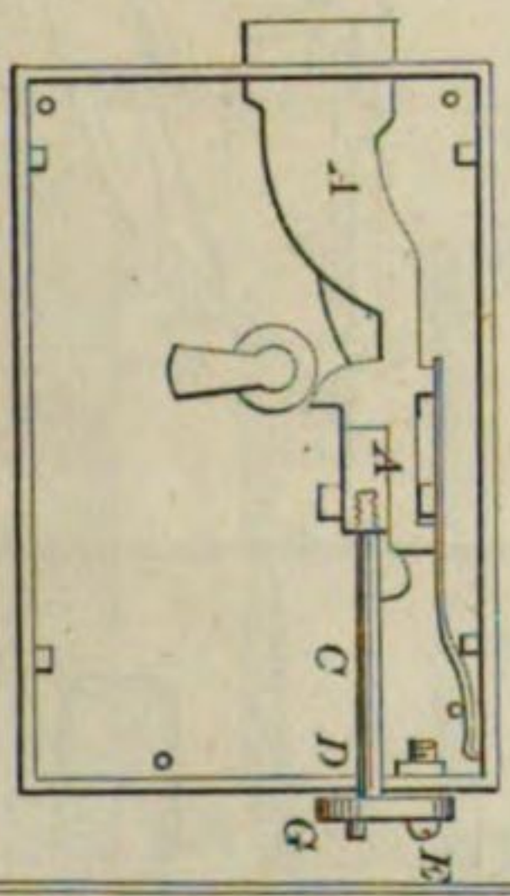
54157—A. D. Higham—*Distilling Petroleum.*



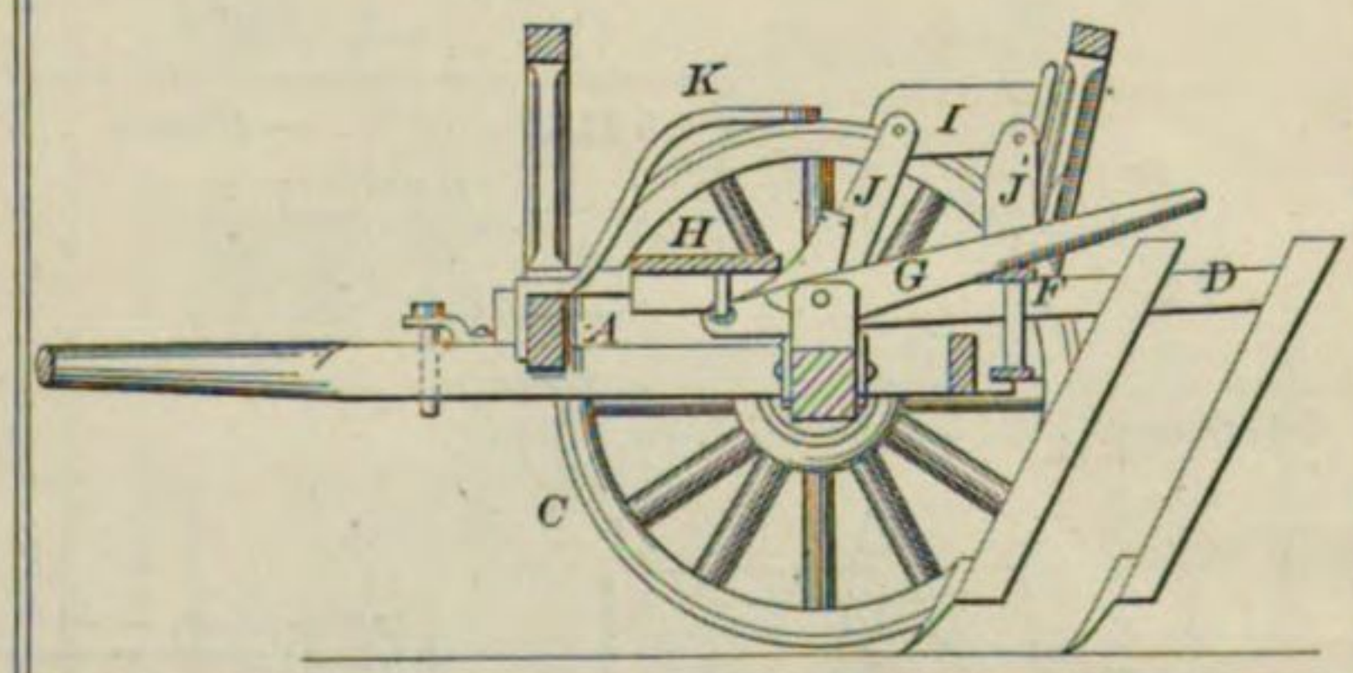
54158—W. F. Hill—*Sash Supporter and Fastener.*



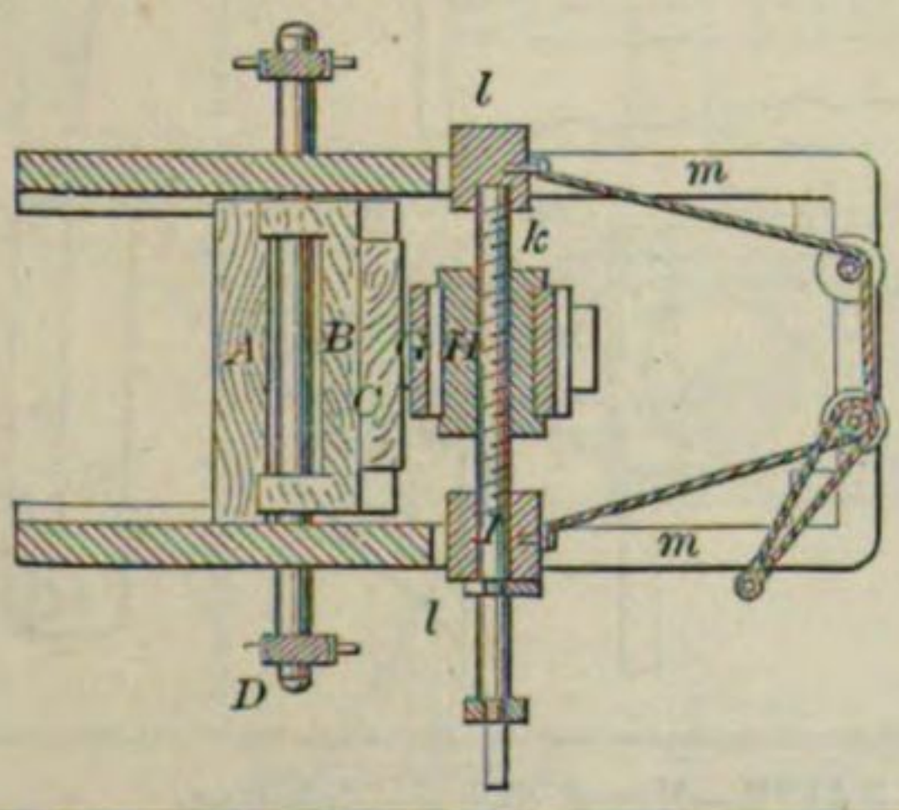
54162—L. G. Hoffman—*Lock.*



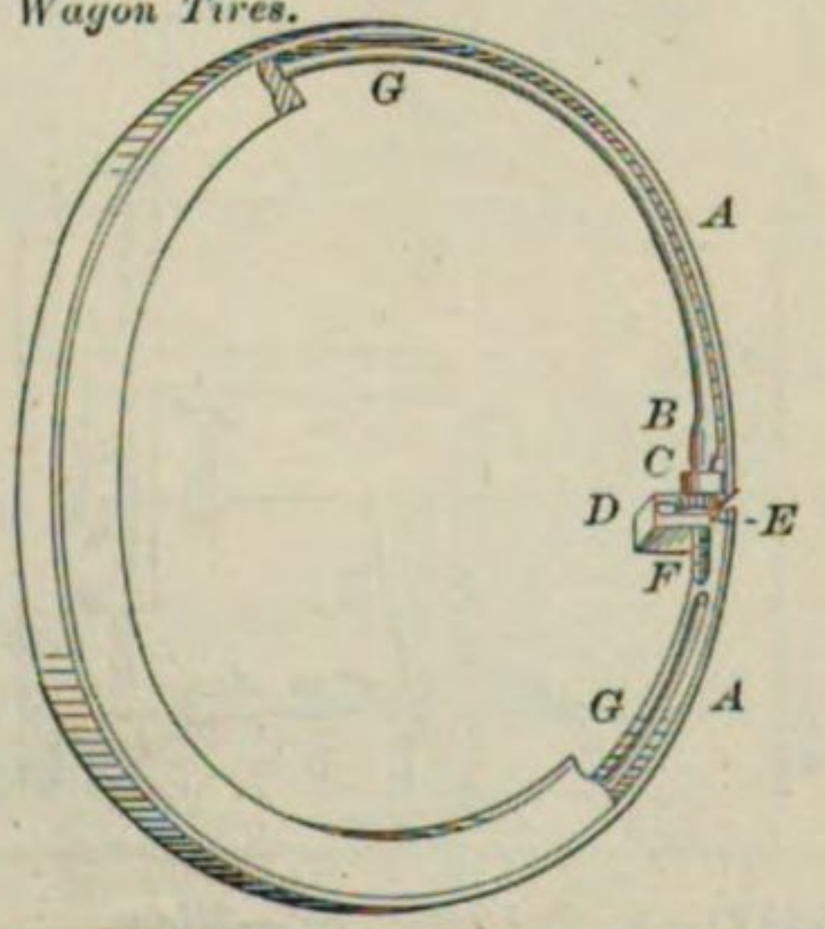
54160—S. Hoffheins—*Cultivator.*



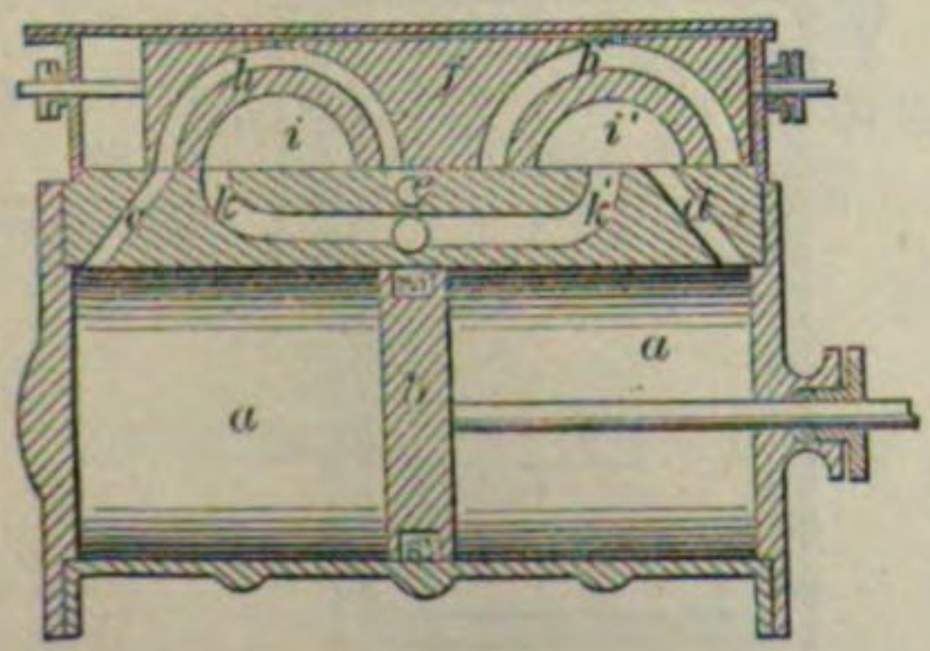
54161—F. Hoffman—*For Polishing Wood.*



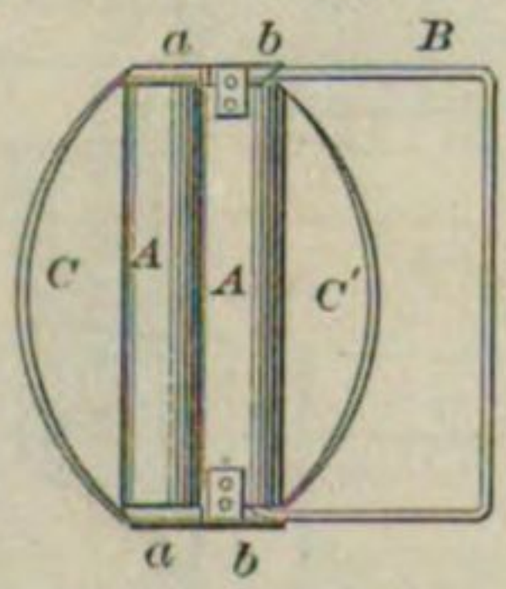
54159—G. Hillegrass—*For Tightening Wagon Tires.*



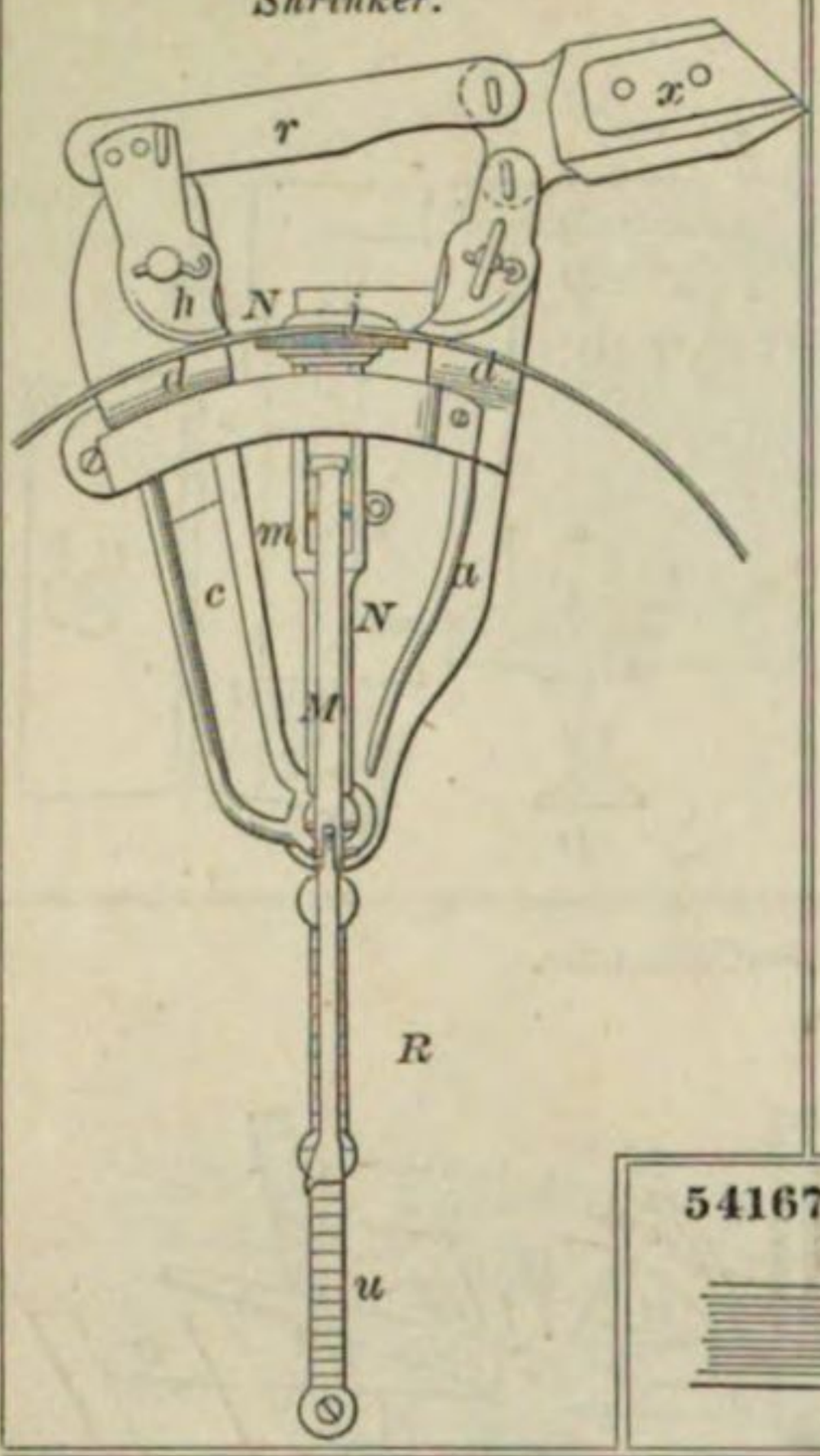
54163—A. J. Homan—*Slide Valve.*



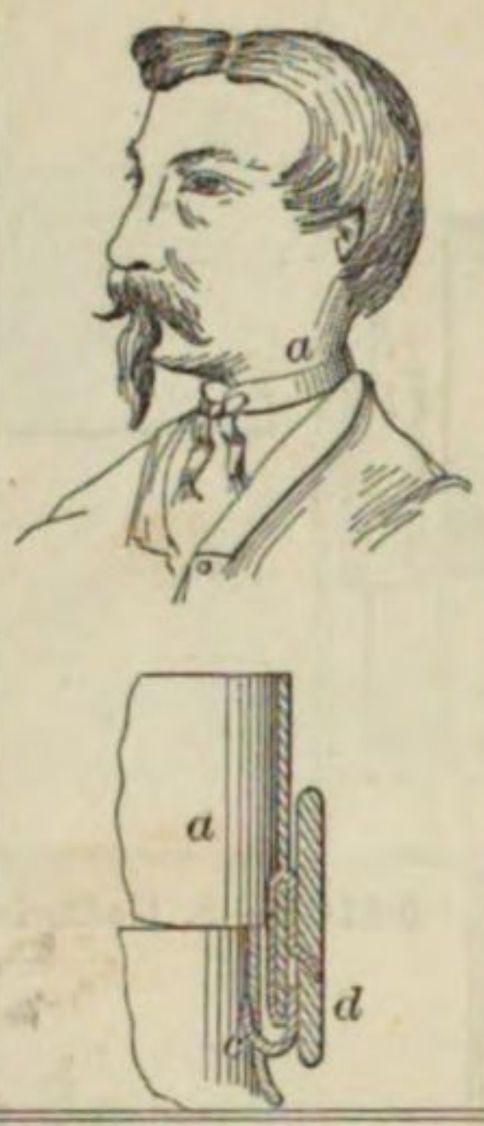
54164—L. Hover—*Sad Iron Holder.*



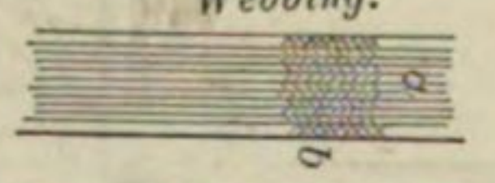
54165—J. P. Howell—*Tire Shrinker.*



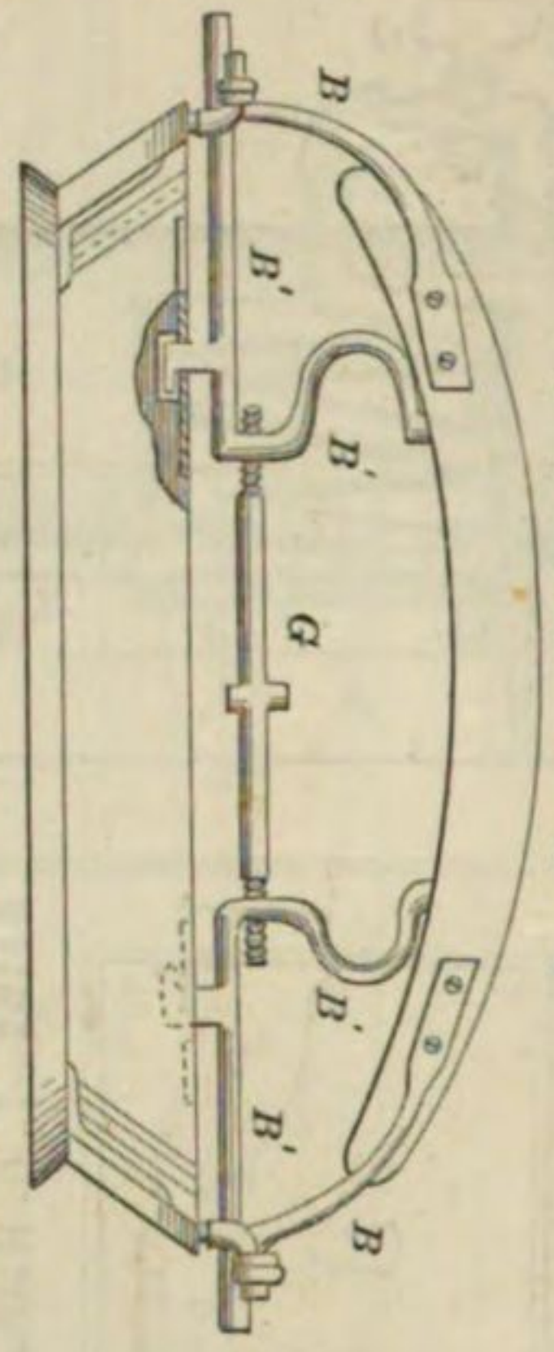
54168—W. Hunter—*Collar and Neck Tie.*



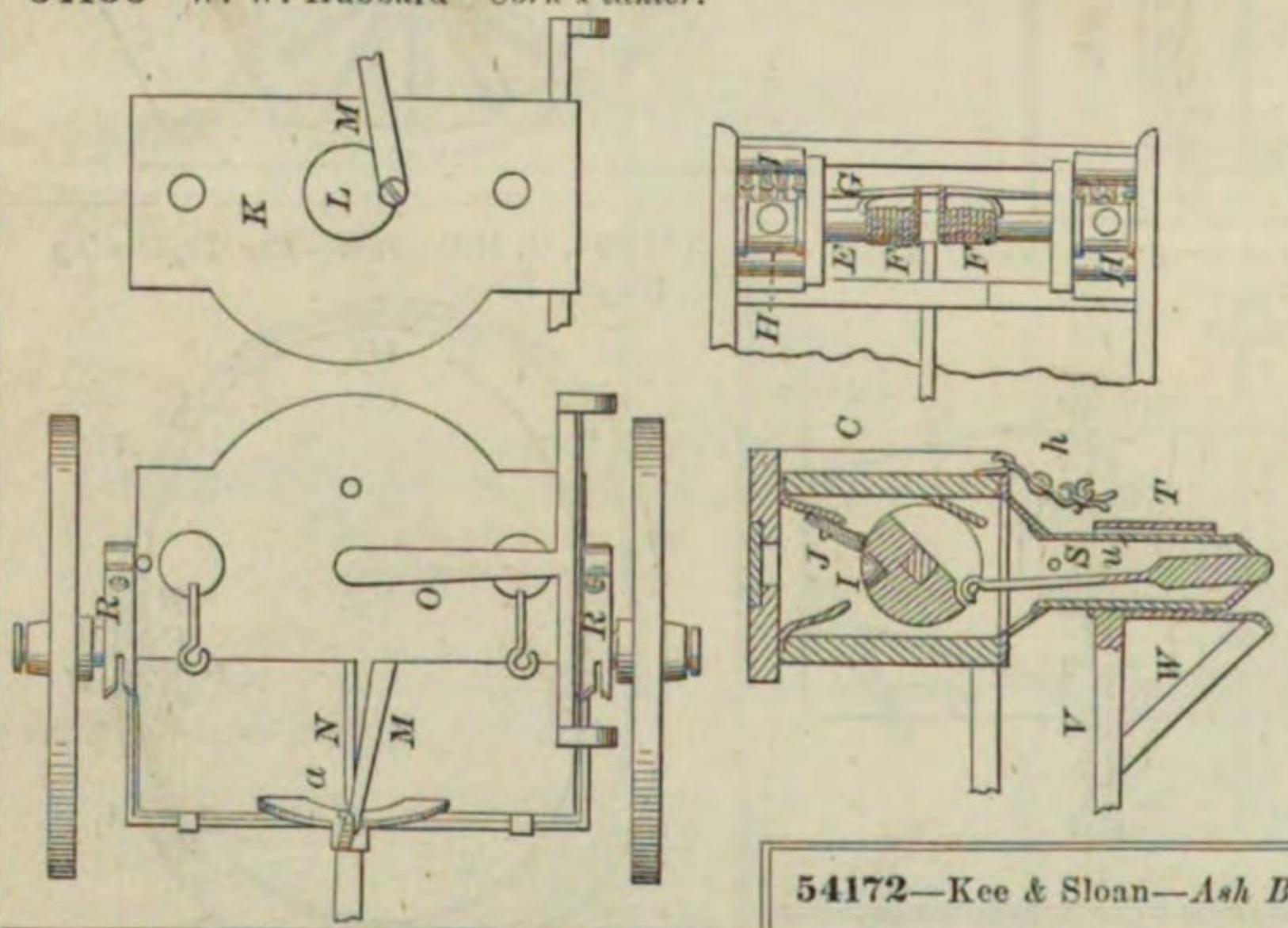
54167—L. Hull—*Elastic Webbing.*



54169—S. Johns—*Shifting Rails for Carriage Tops.*

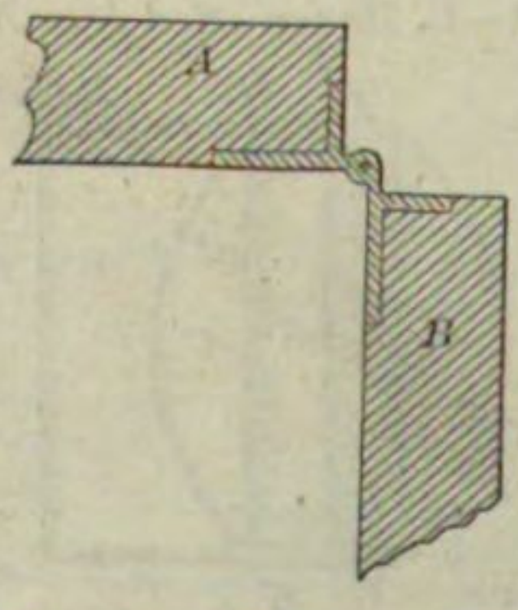


54166—W. W. Hubbard—*Corn Planter.*

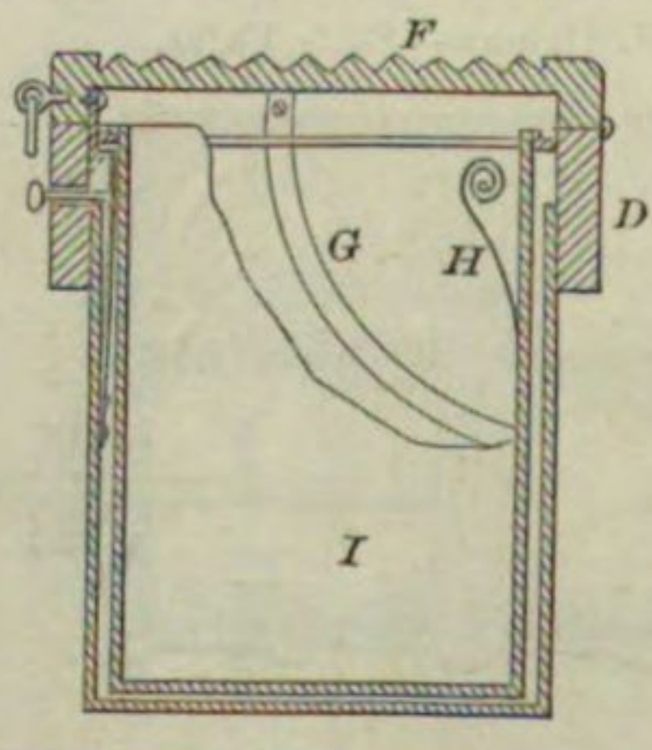


54170—J. W. Jones—*Knife for Removing Corn from the Cob.*

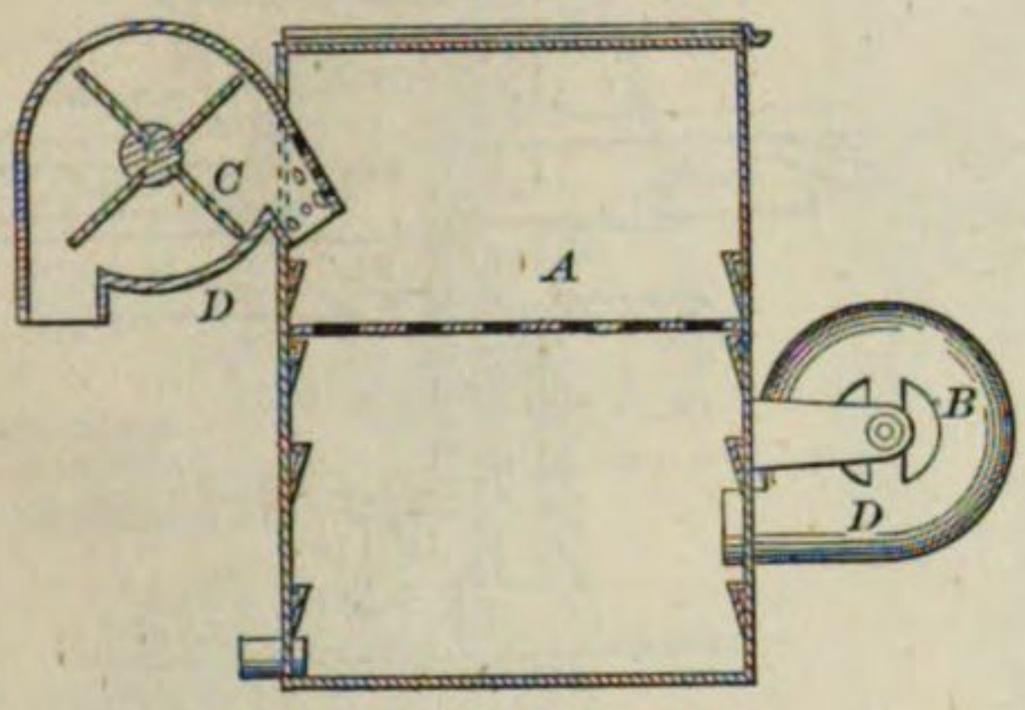
54171—D. C. Jordan, Sr.—*Hinge.*



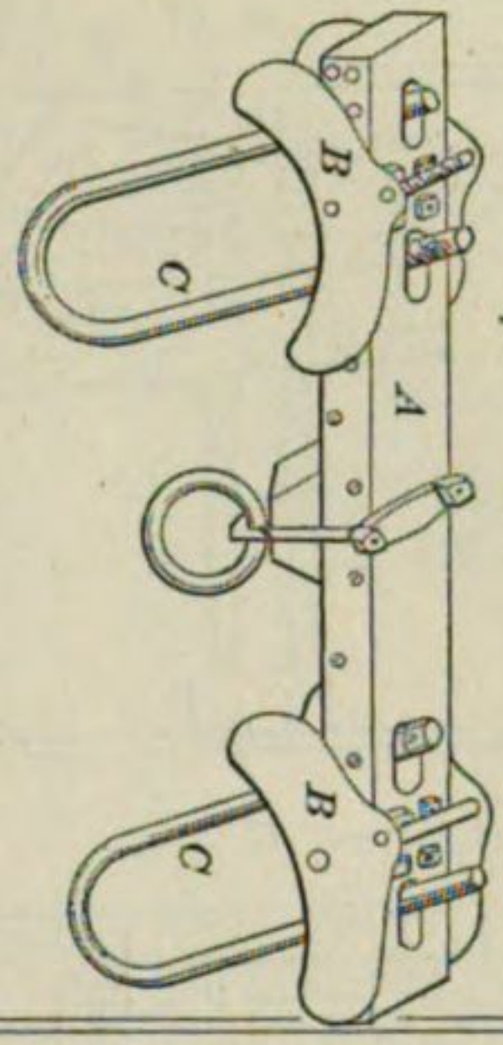
54172—Kee & Sloan—*Ash Box.*



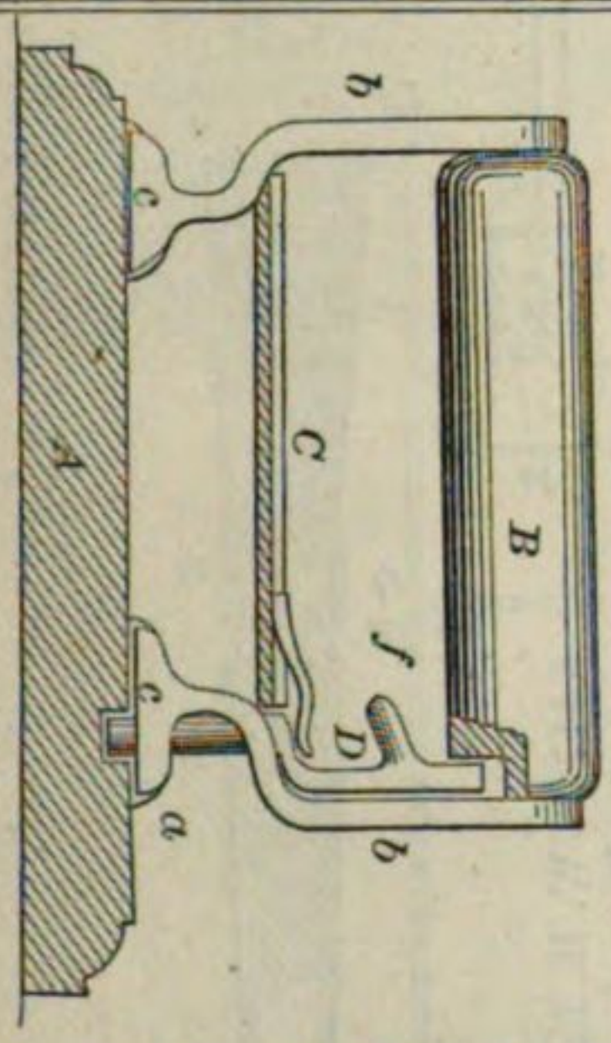
54173—W. Kendrick—*Evaporating and Drying Apparatus.*



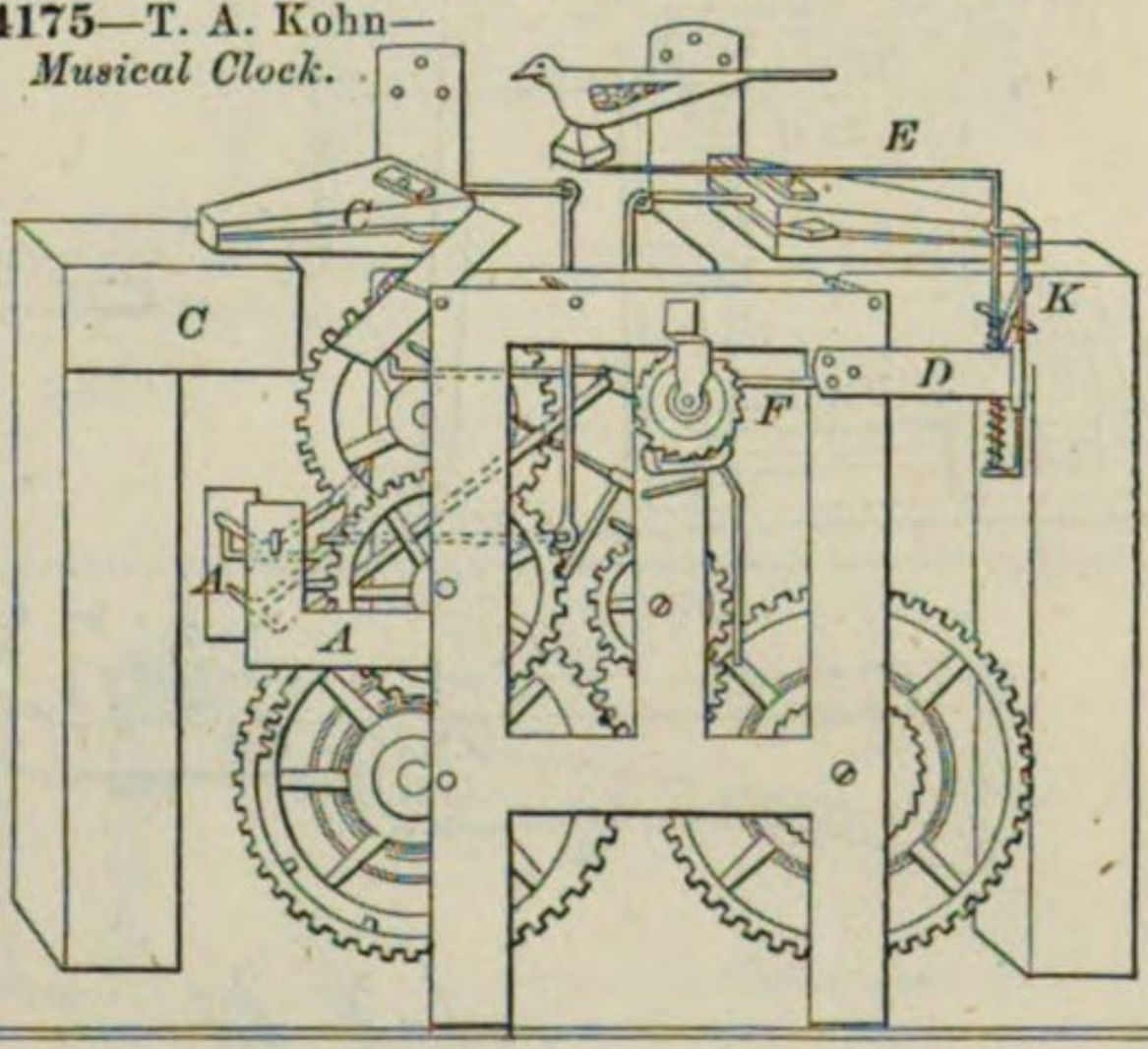
54176—W. B. Krum—*Ox Yoke.*



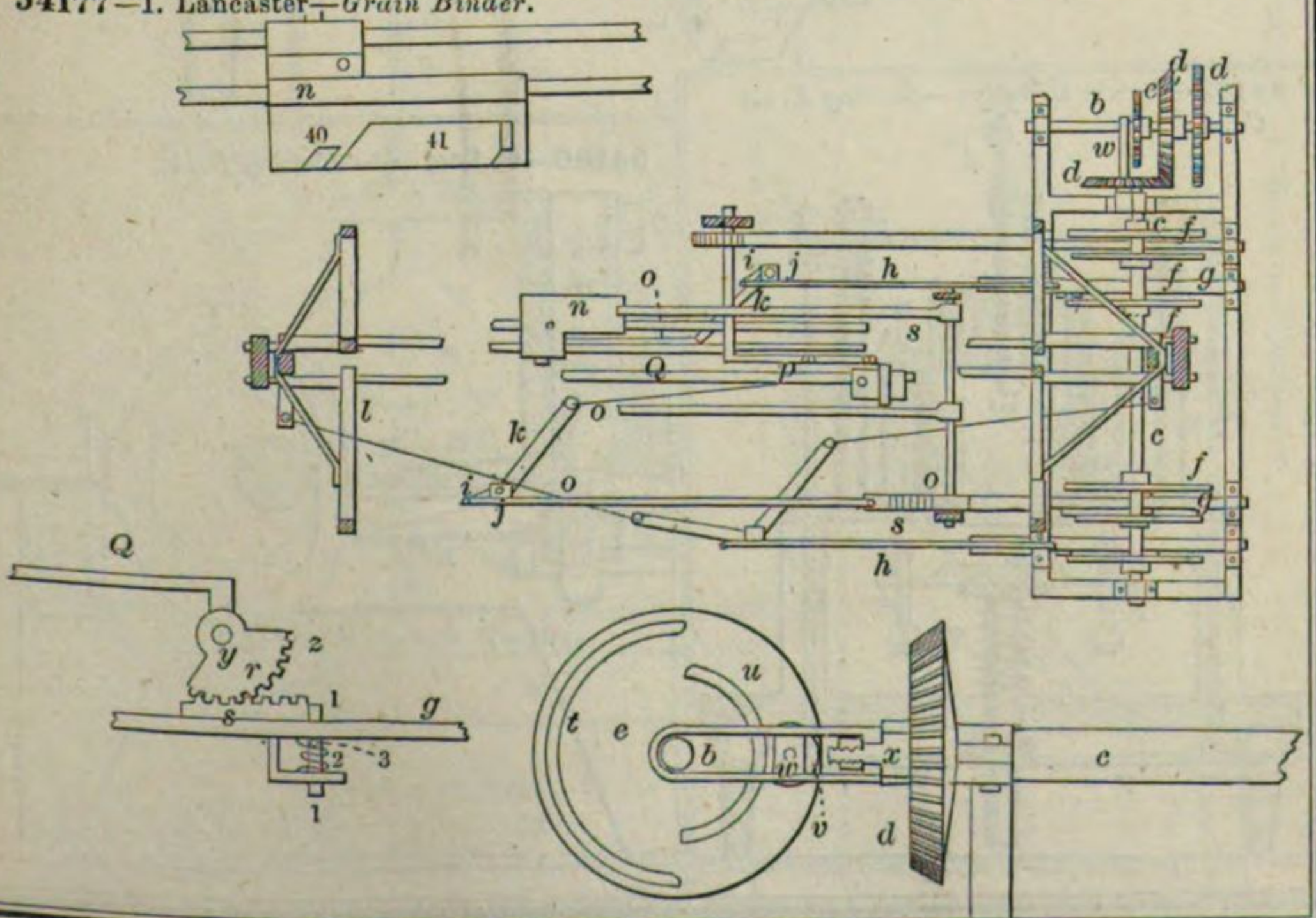
54174—G. G. Kniflin—*Sad Iron.*



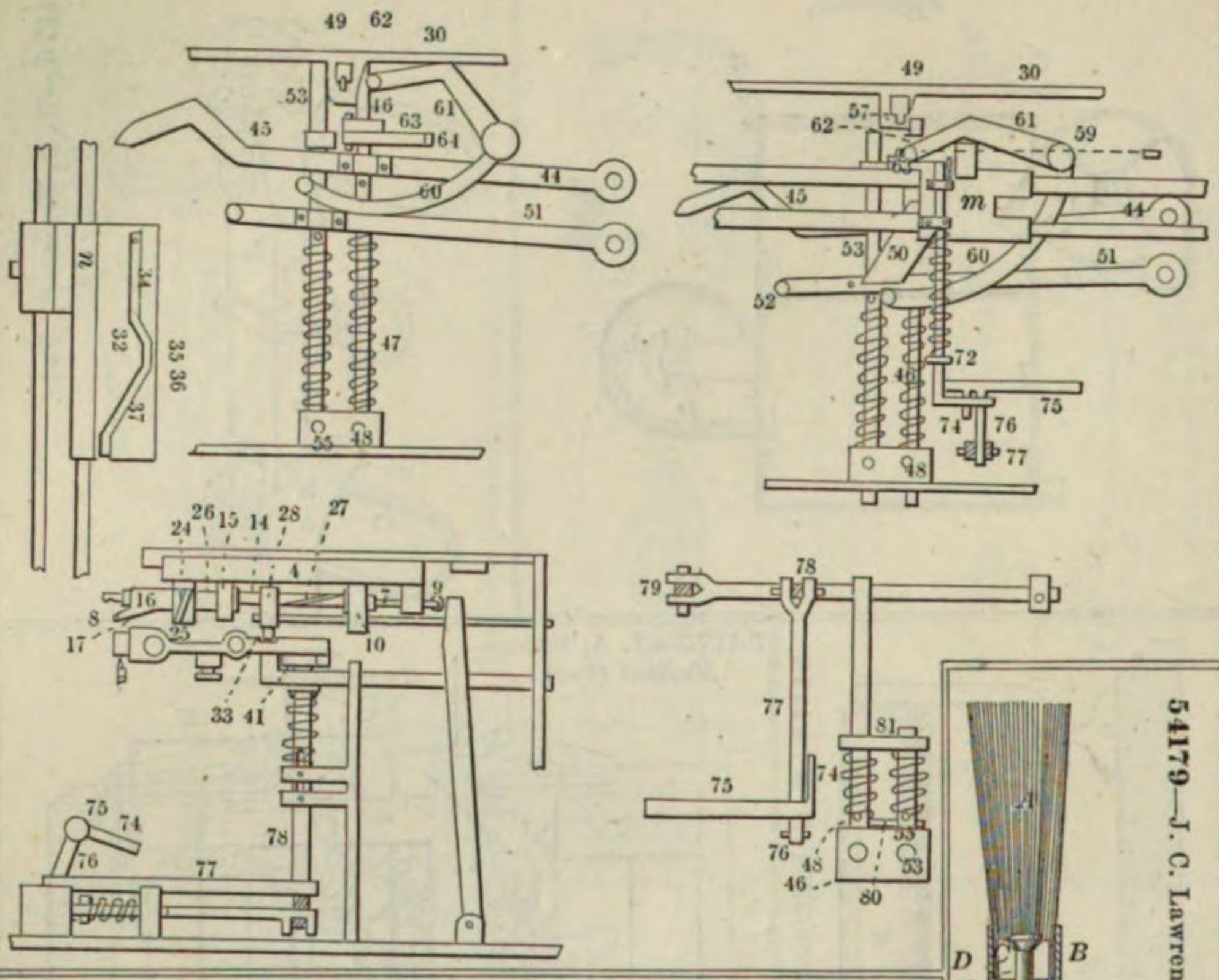
54175—T. A. Kohn—*Musical Clock.*



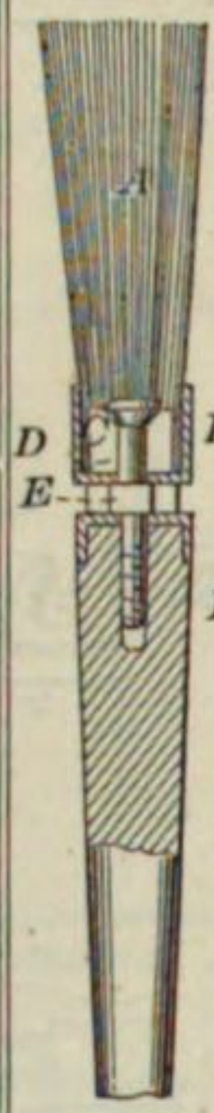
54177—I. Lancaster—*Grain Binder.*



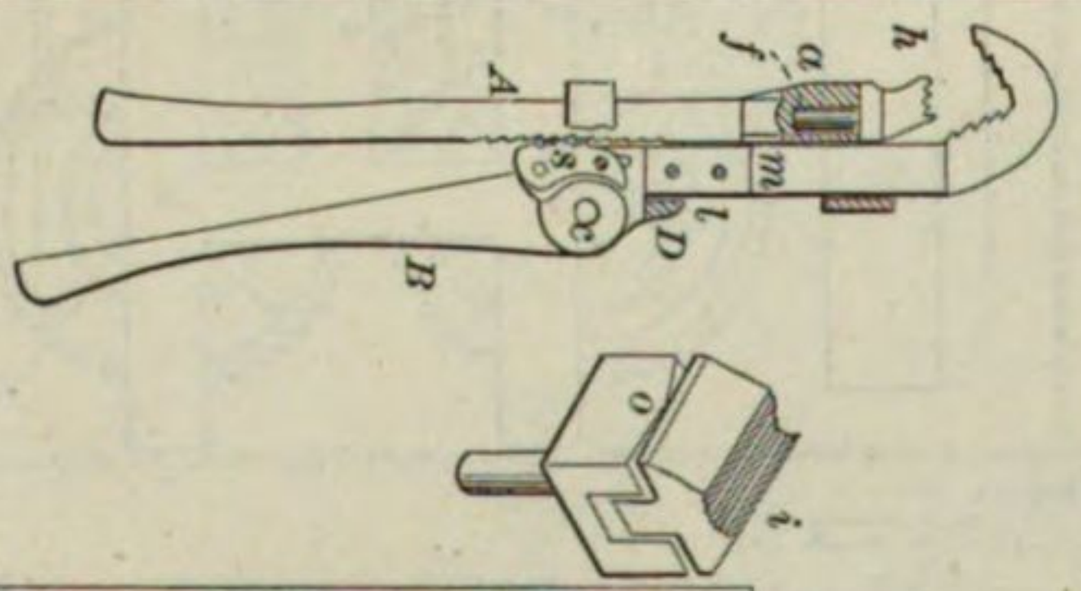
54177—I. Lancaster—*Grain Binder—Continnued.*



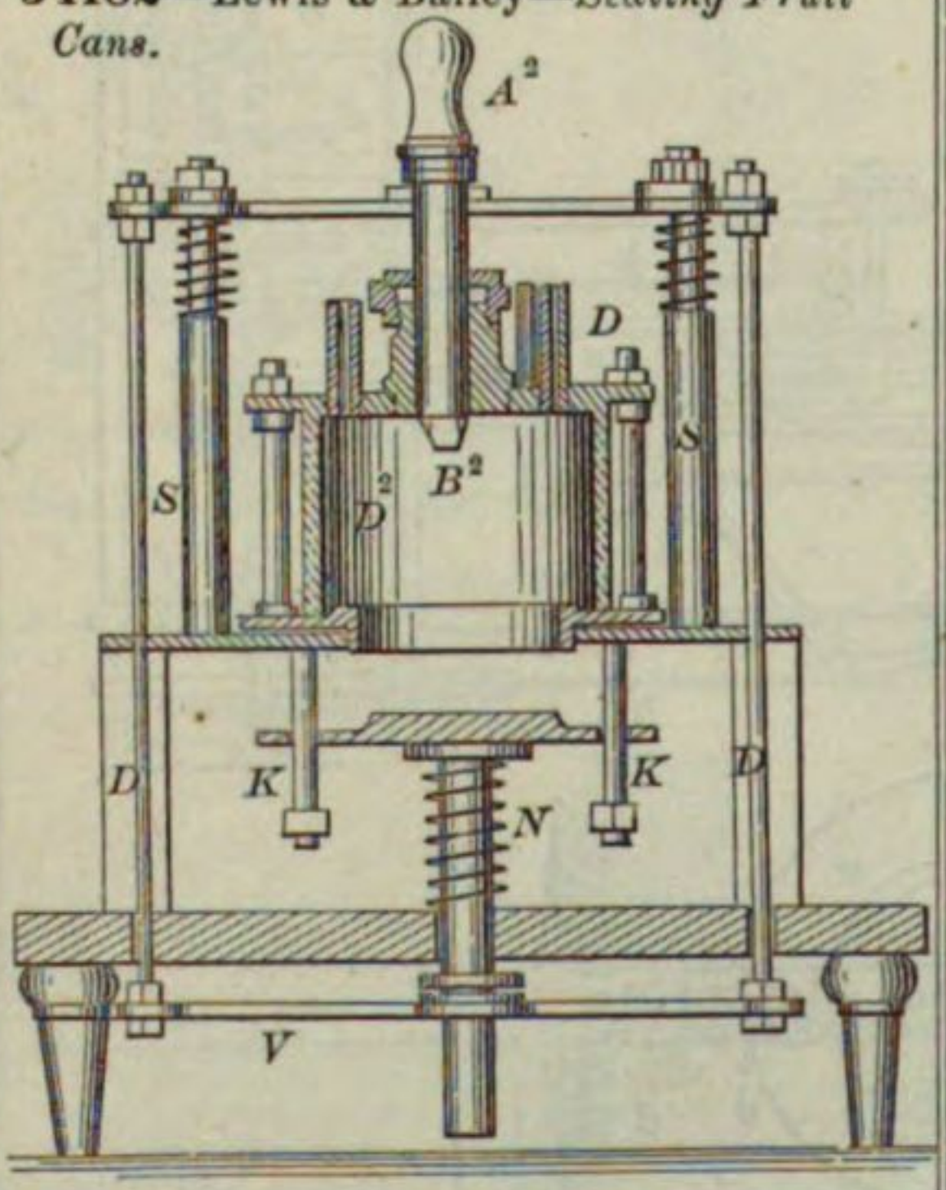
54179—J. C. Lawrence—*Brush.*



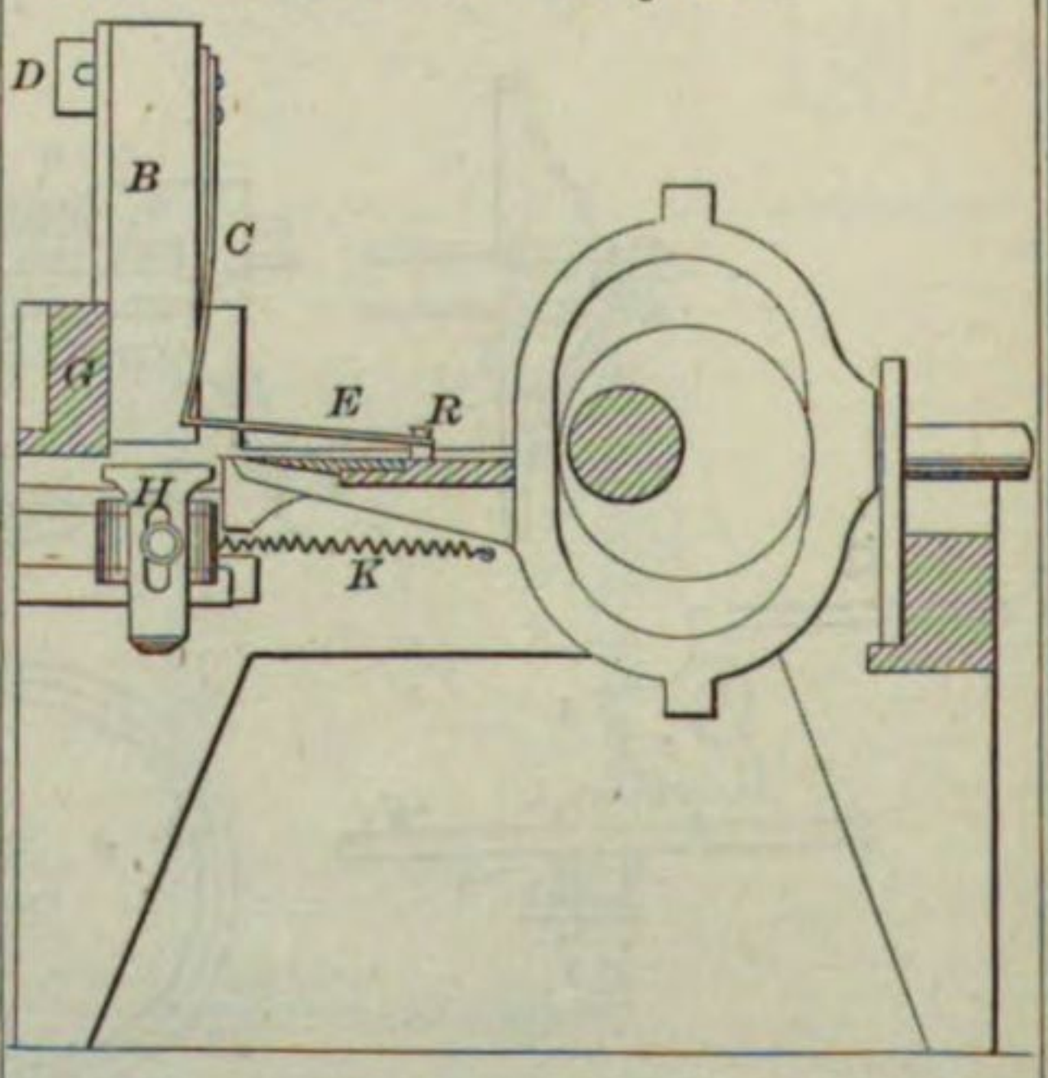
54178—W. H. Landbeck—*Wrench.*



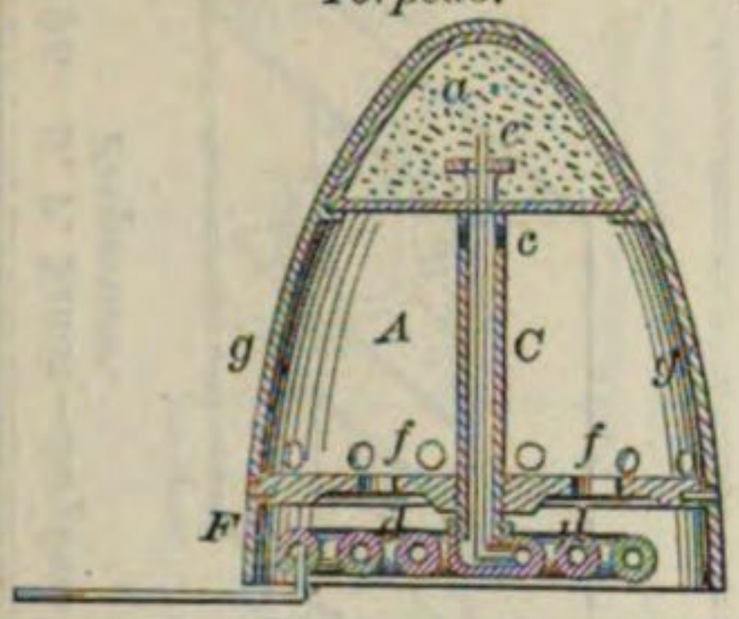
54182—Lewis & Bailey—*Sealing Fruit Cans.*



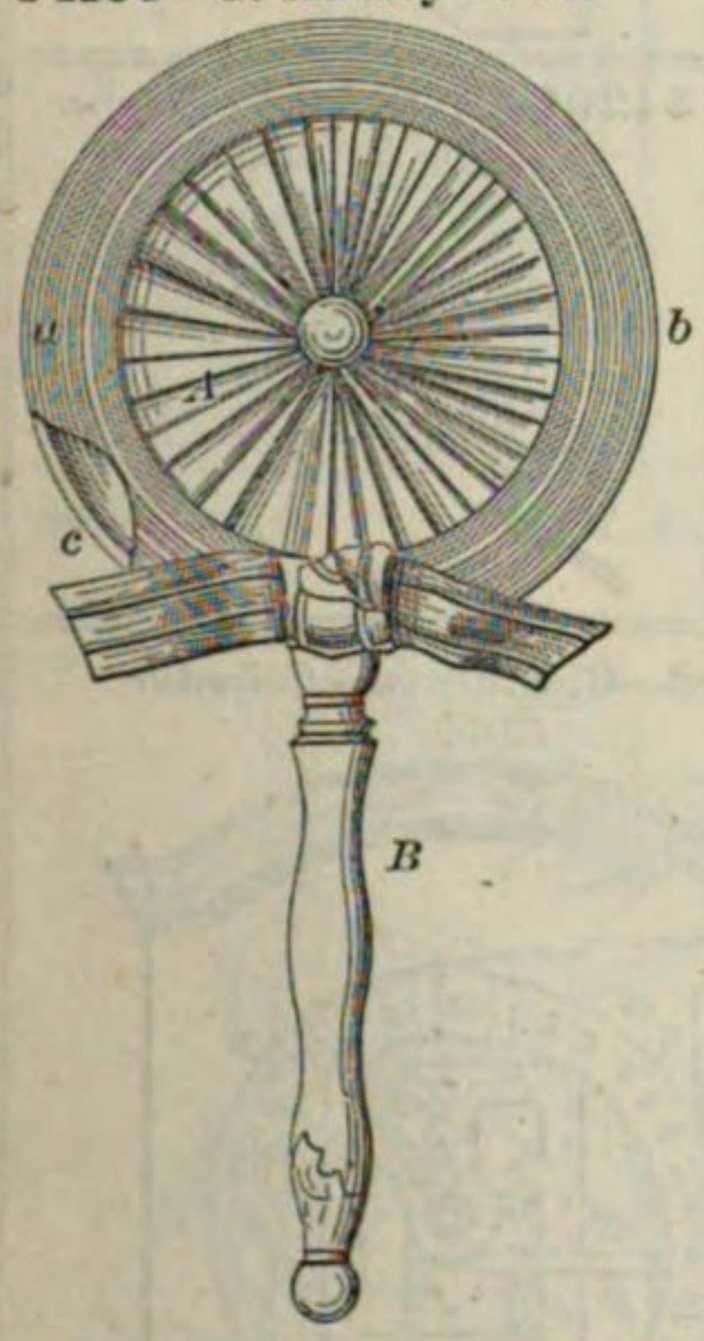
54180—C. Learned—*Cutting Lath.*



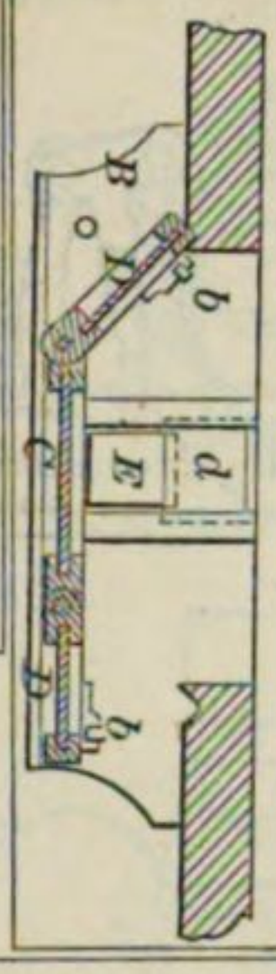
54183—J. Mac Donough—*Submarine Torpedo.*



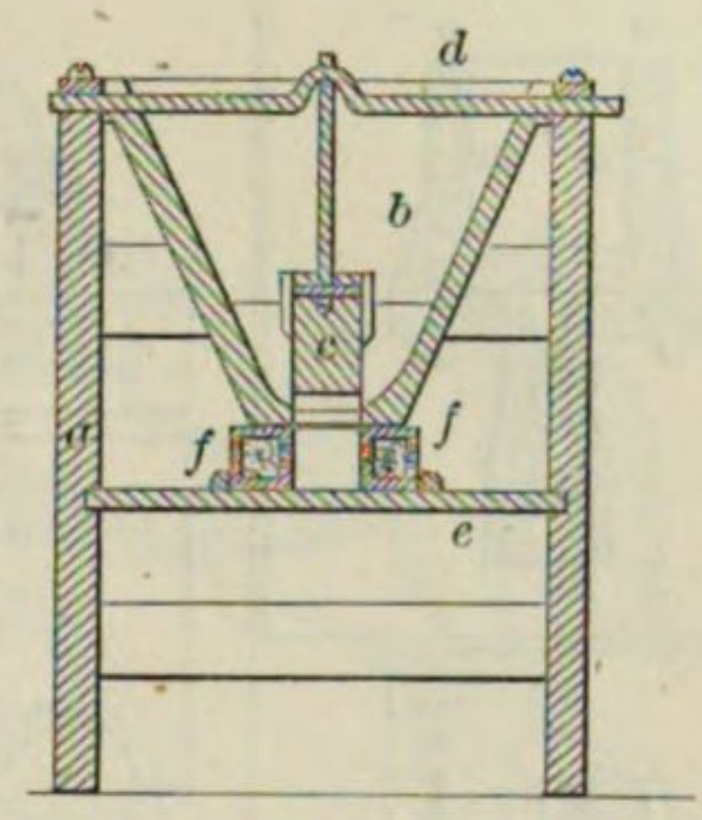
54184—G. Mallory—*Fan.*



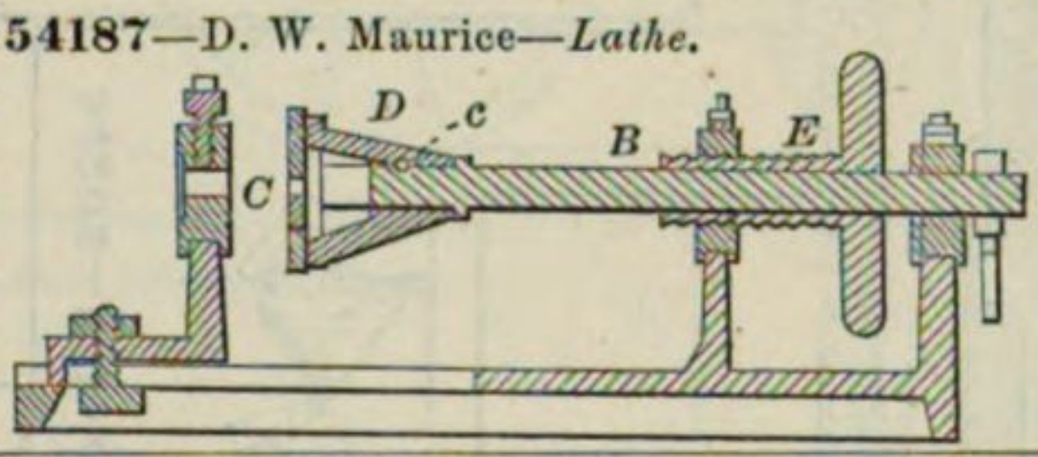
54185—Mann & Hise—*Ventilating Car Windows.*



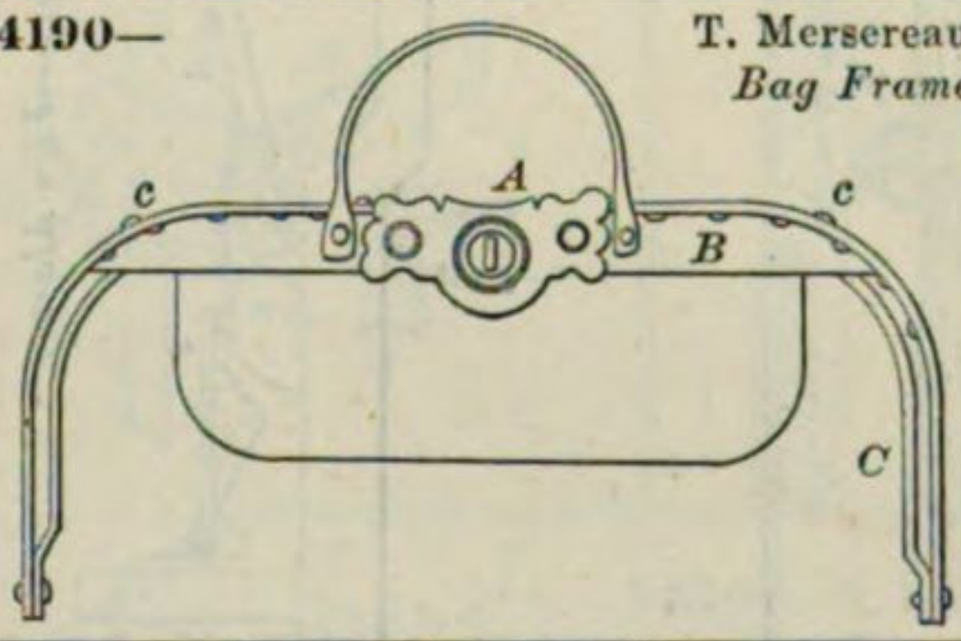
54186—S. Marden—*Peat Machine.*



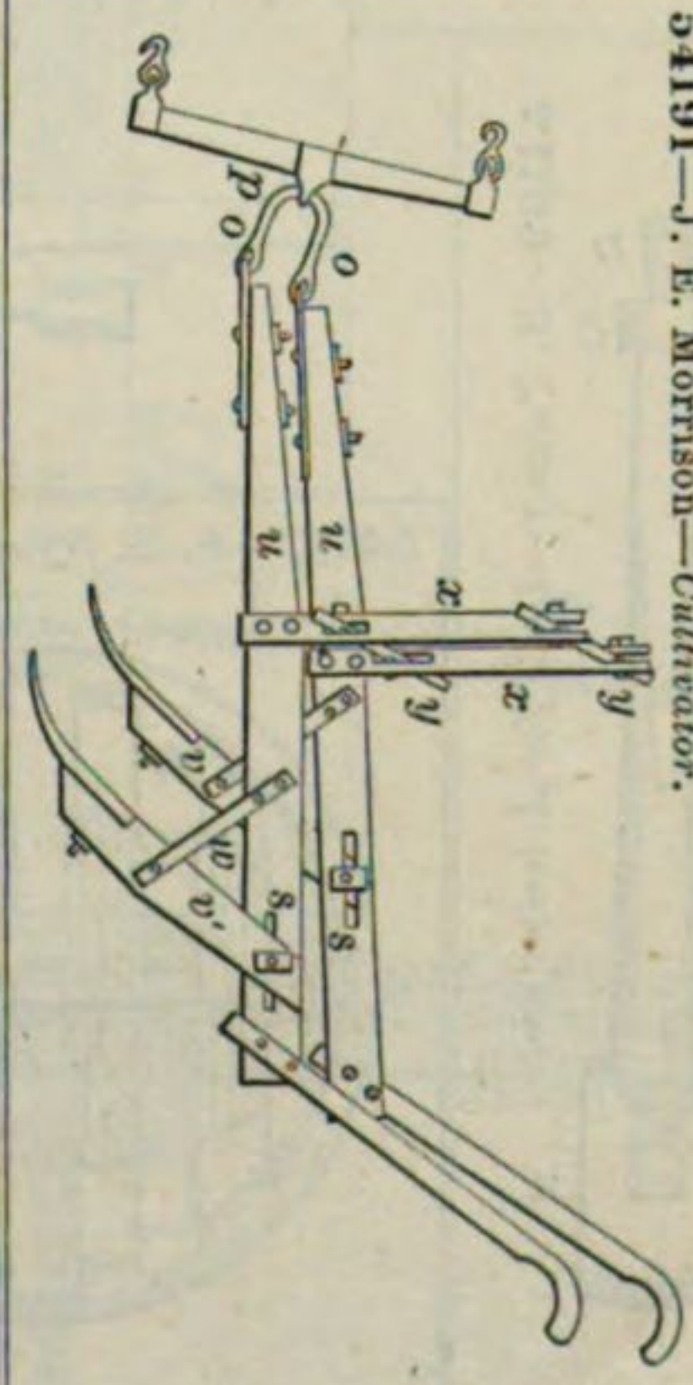
54187—D. W. Maurice—*Lathe.*



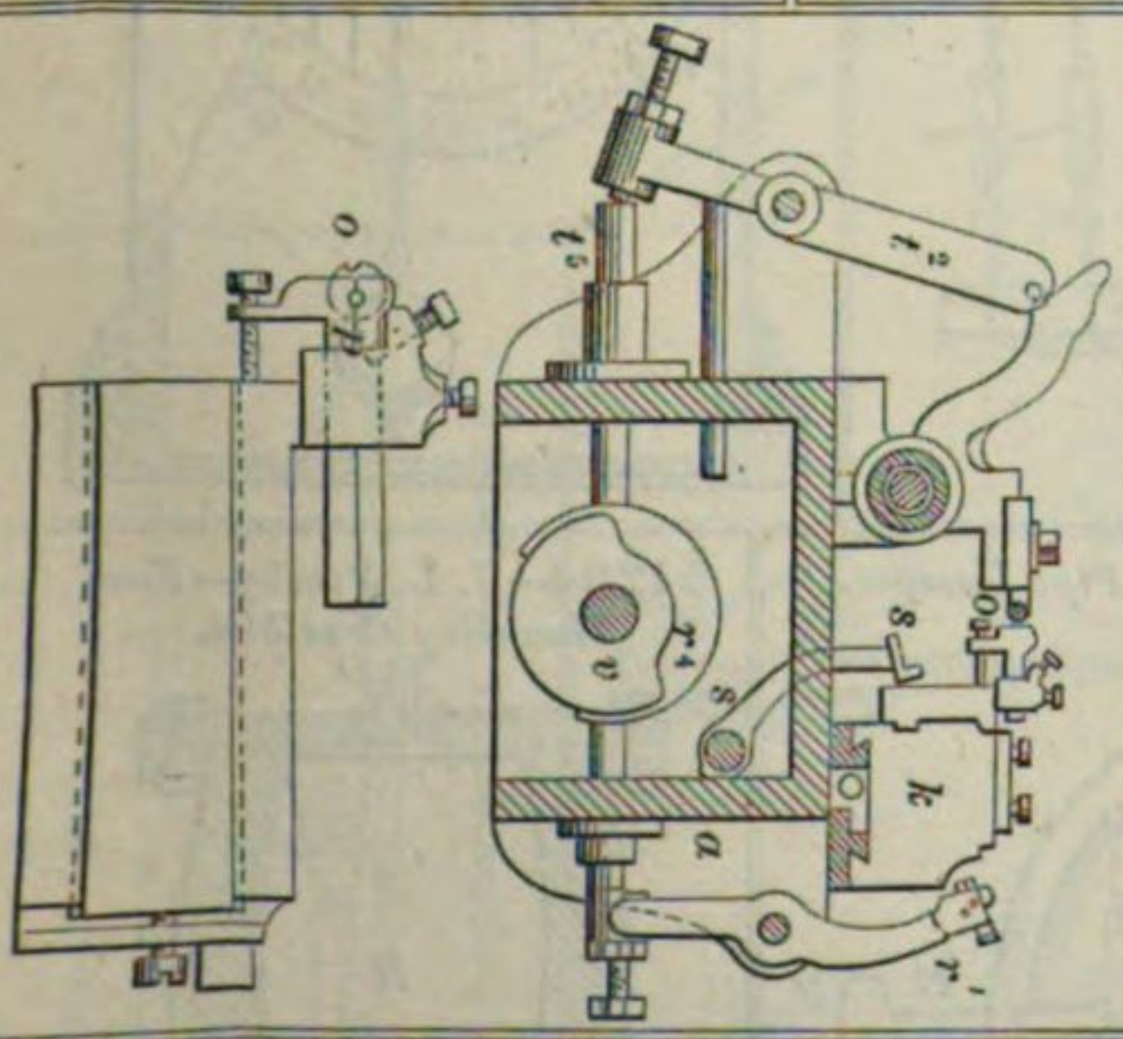
54190—T. Mersereau—*Bag Frame.*



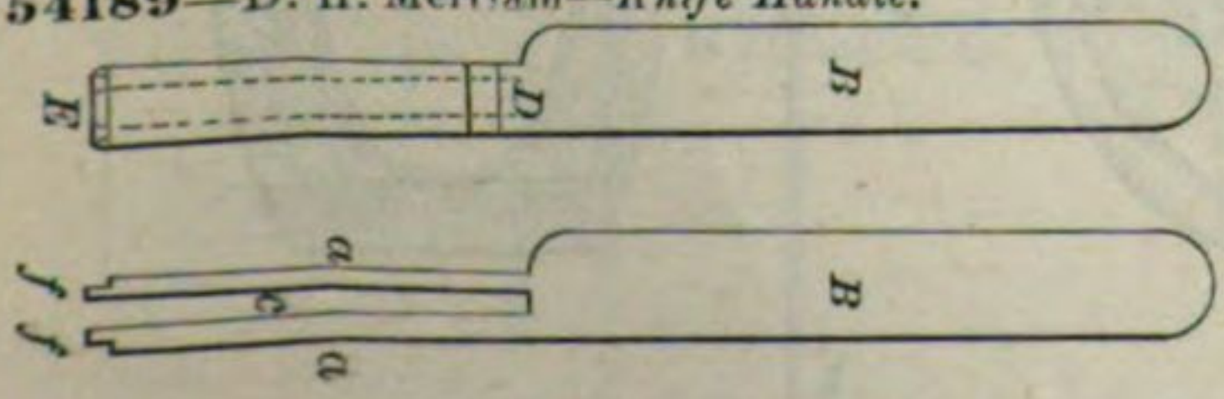
54191—J. E. Morrison—*Cultivator.*



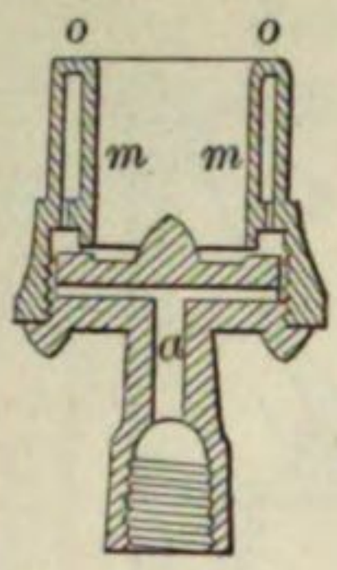
54188—D. F. Mellen—*For Threading Screw Blanks.*



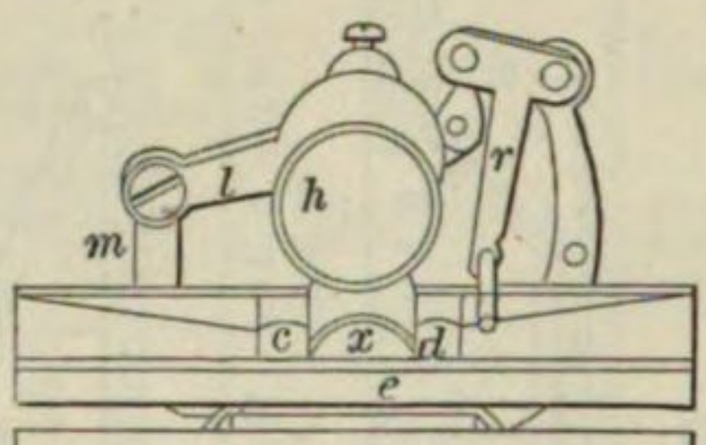
54189—D. H. Merriam—*Knife Handle.*

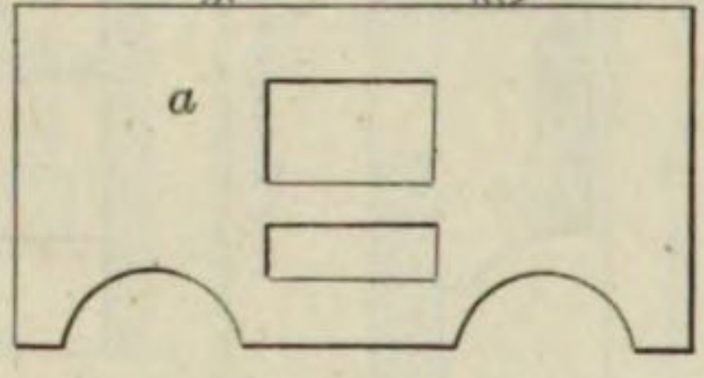


54193—Murray & Oakes—*Argand Gas Burner.*

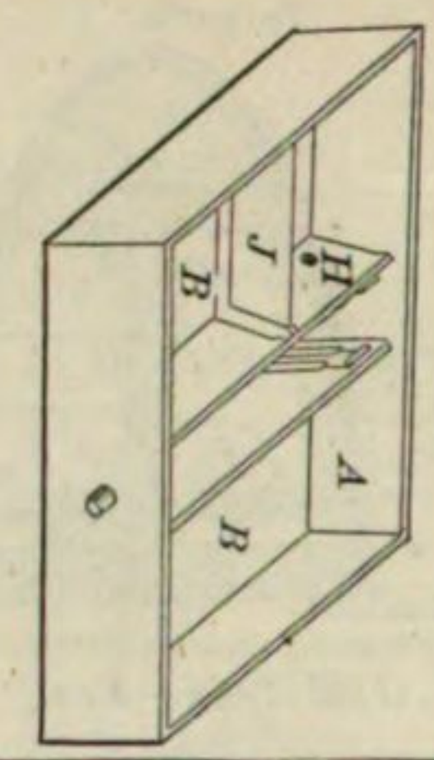


54195—P. H. Niles—*For Soldering Tin Cans.*

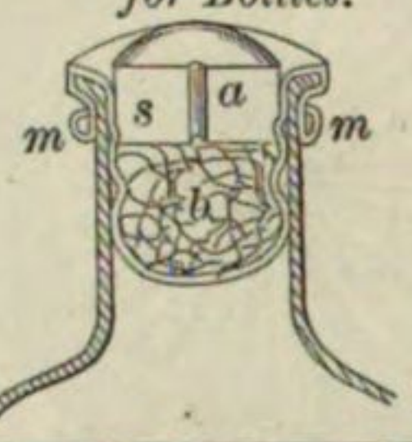




54196—H. P. Ninde—*Sorghum Evaporator.*

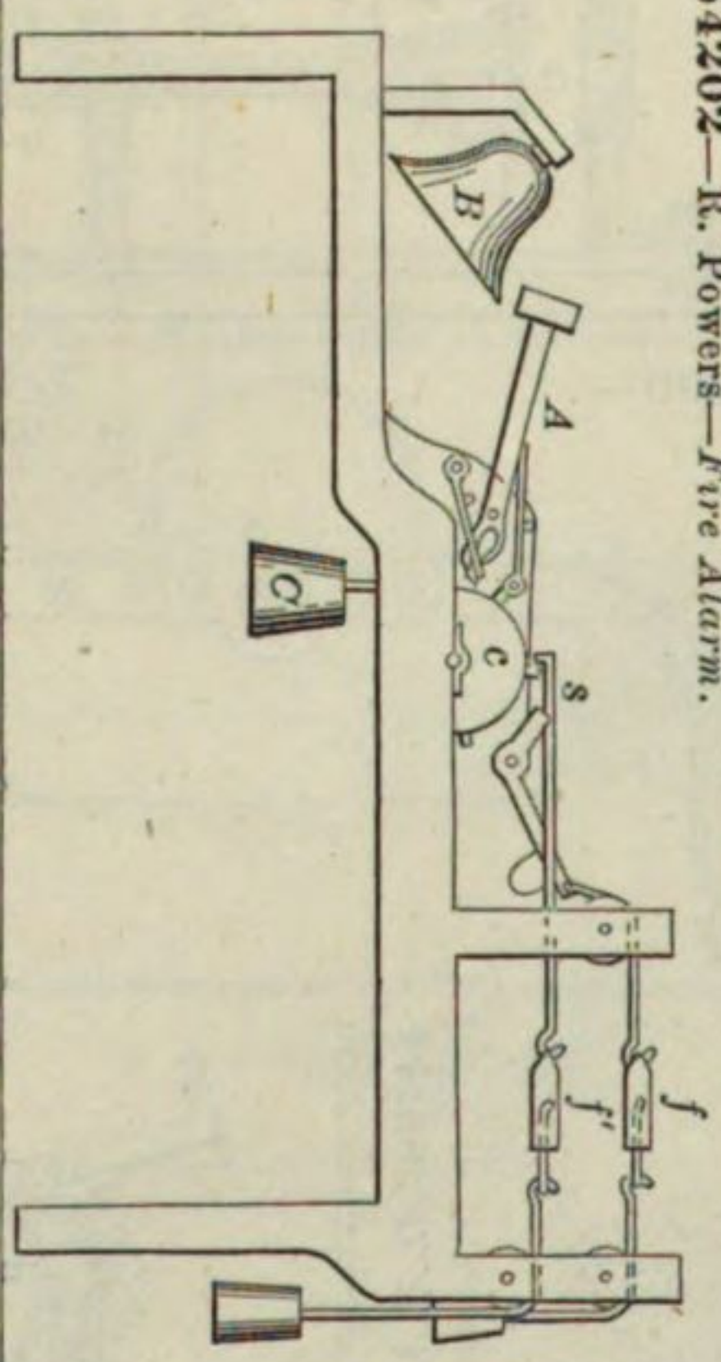


54201—R G. Pike—*Stopper for Bottles.*

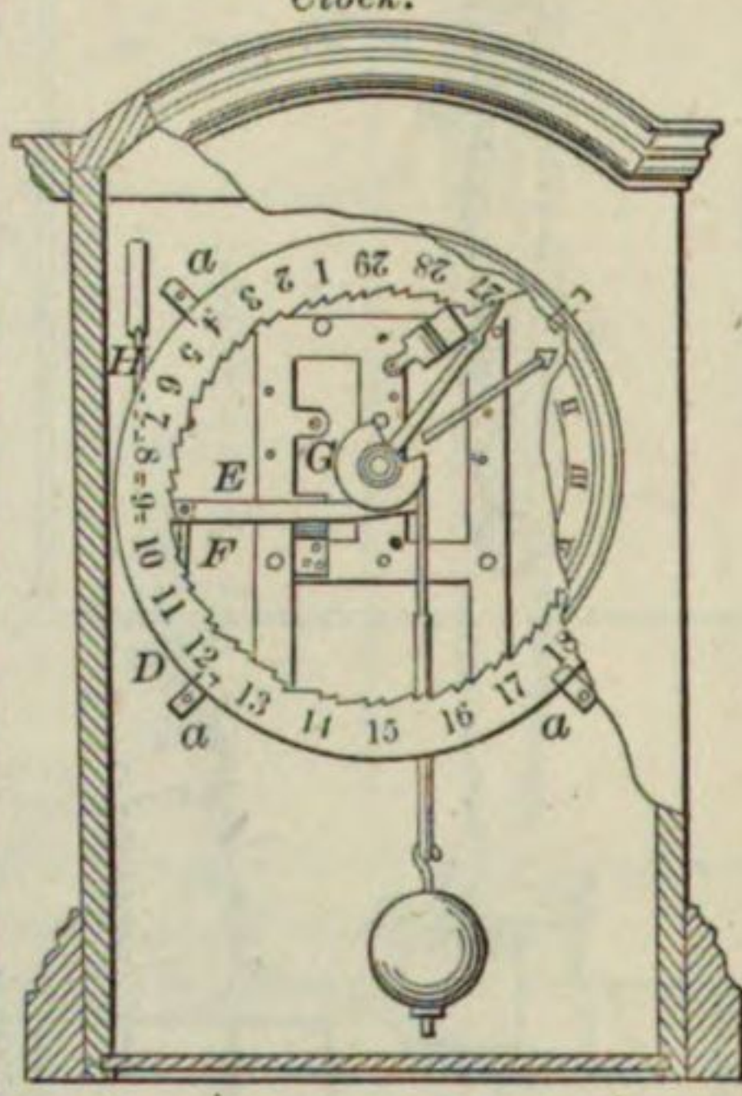


54200—G. W. Parsons—*Broom Head.*

54202—R. Powers—*Fire Alarm.*

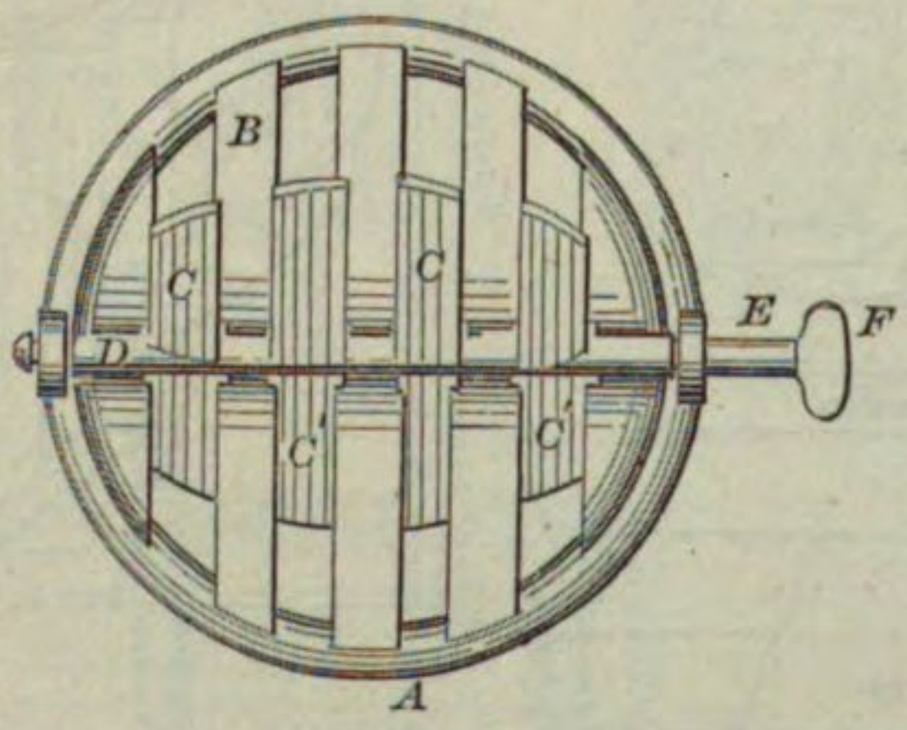


54198—G. B. Owen—*Calendar Clock.*

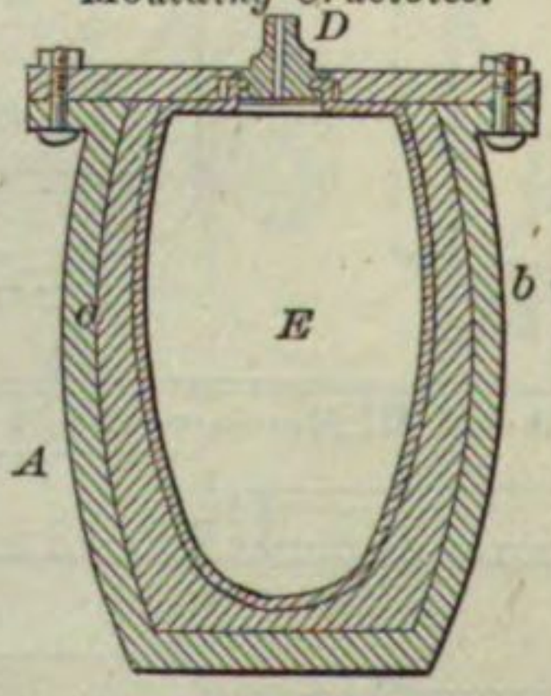


54199—H. Palmer—*Drill for Artesian Wells.*

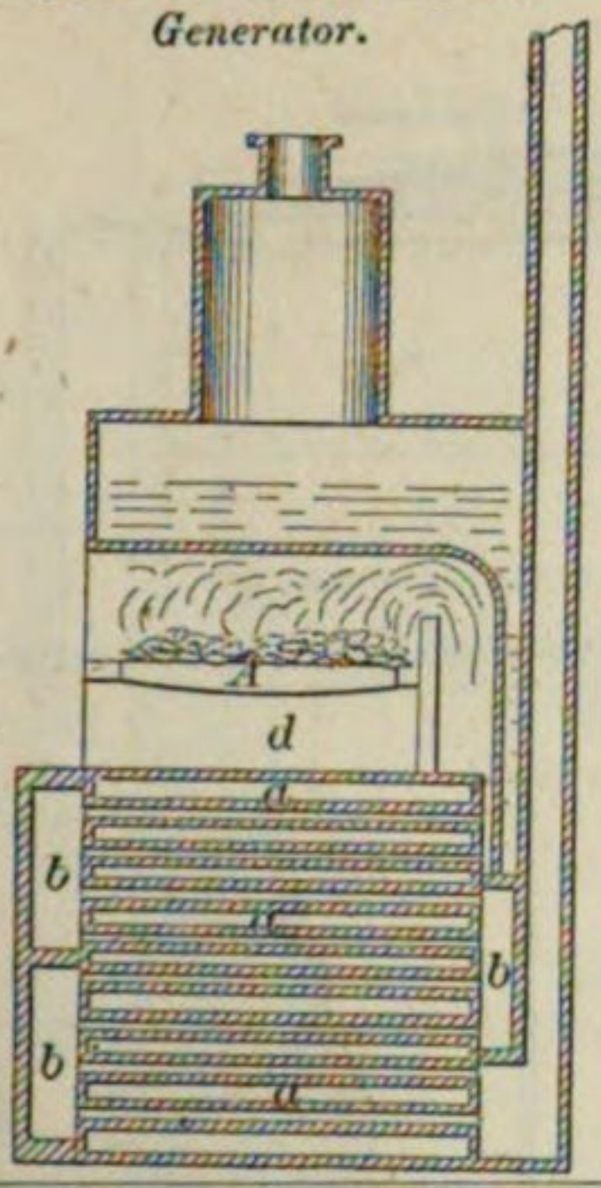
54197—S. R. Nye—*Stove Pipe Damper.*



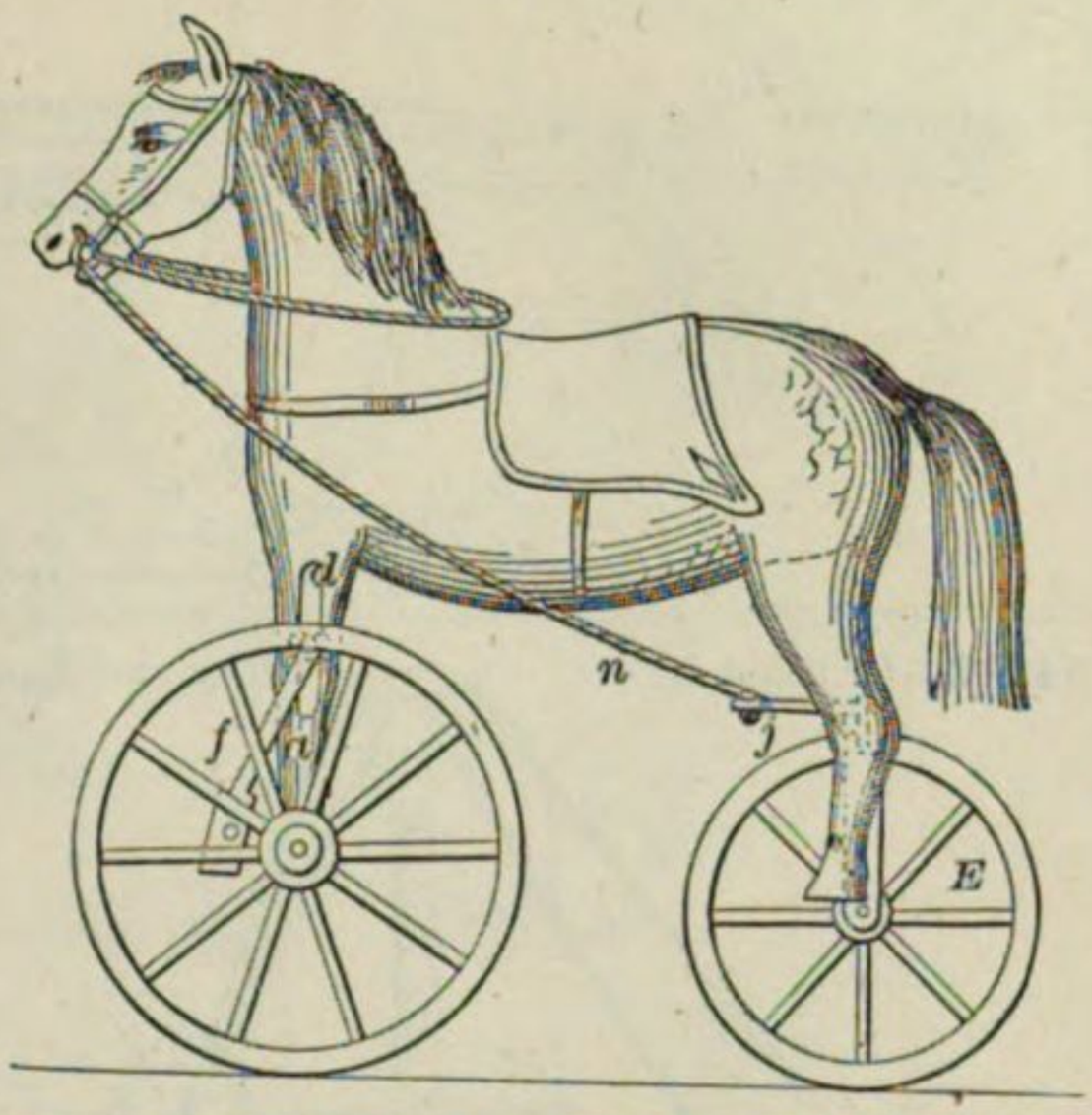
54204—J. L. Presby—*For Moulding Crucibles.*



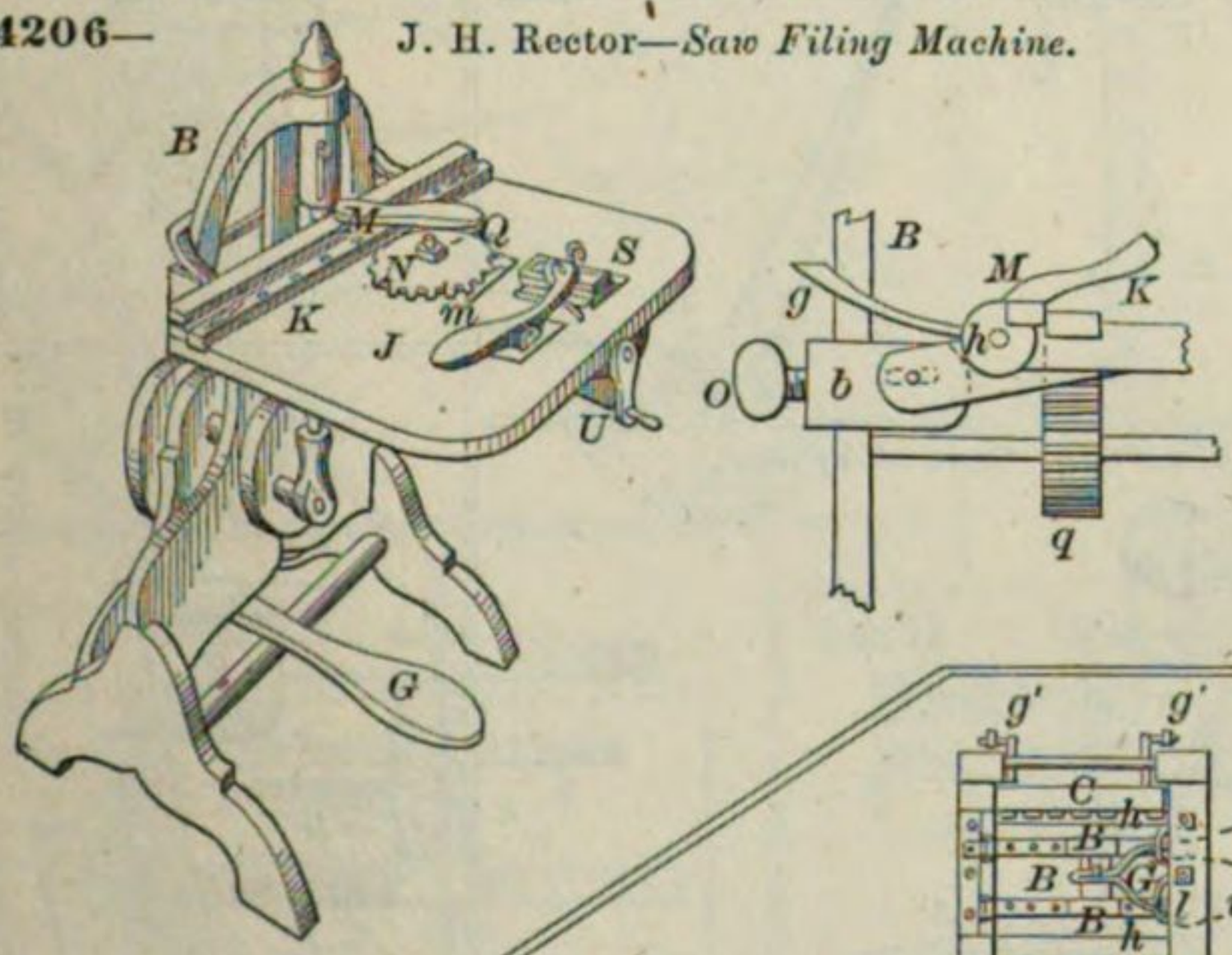
54205—R. Rafael—*Steam Generator.*



54207—H. A. Reynolds—*Velocipede.*

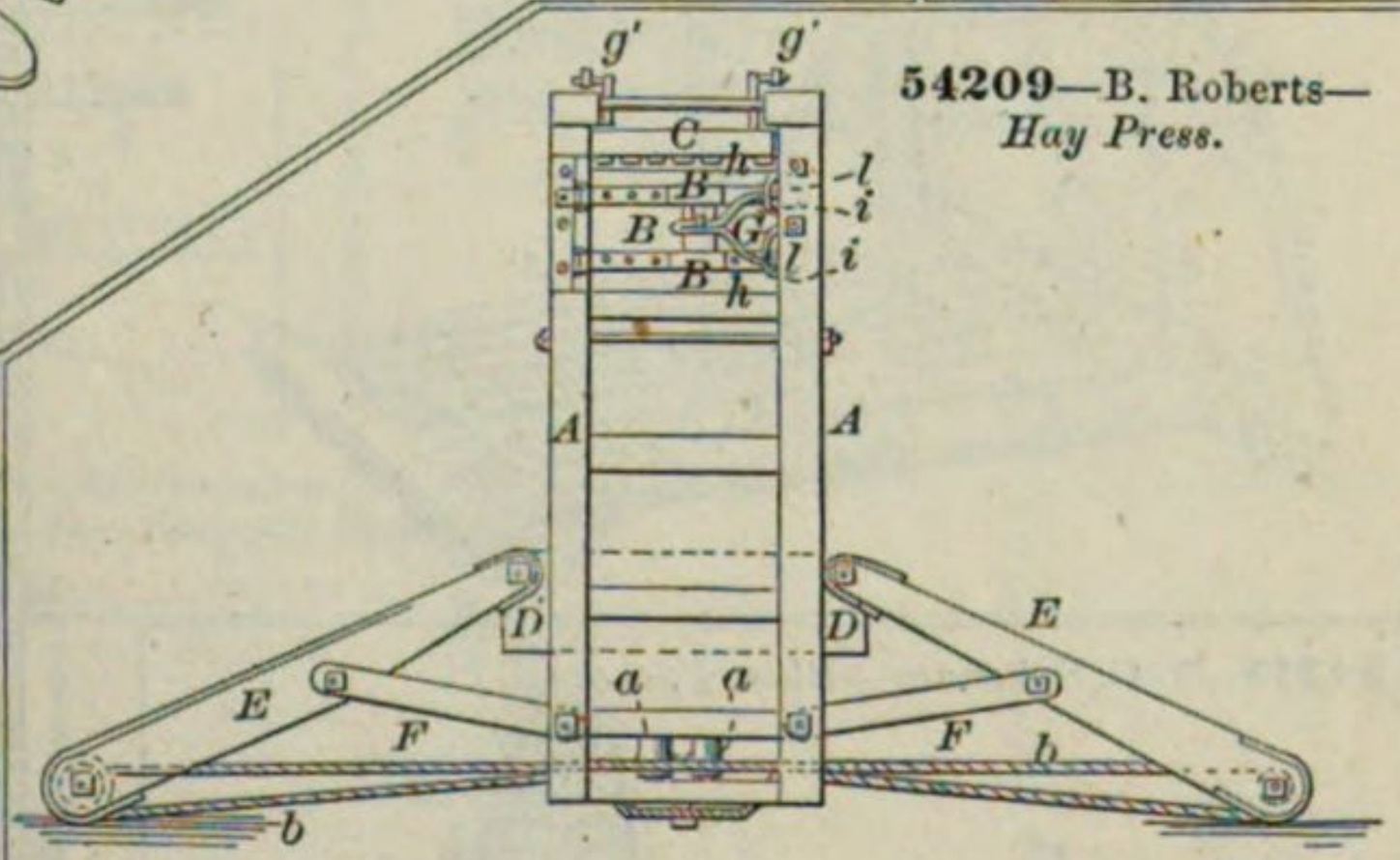


54206—J. H. Rector—*Saw Filing Machine.*

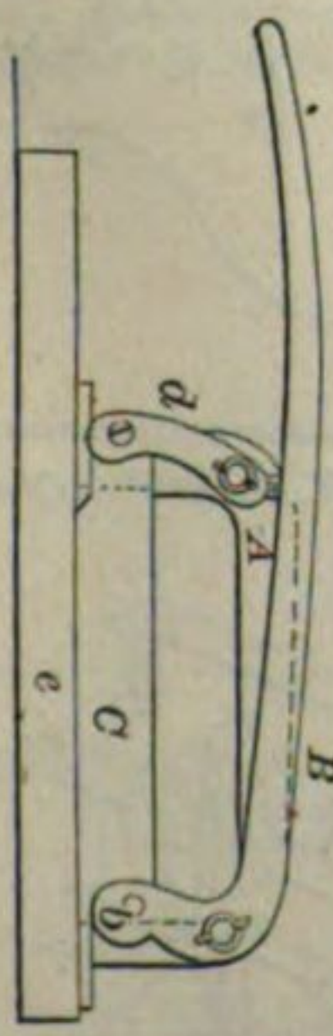


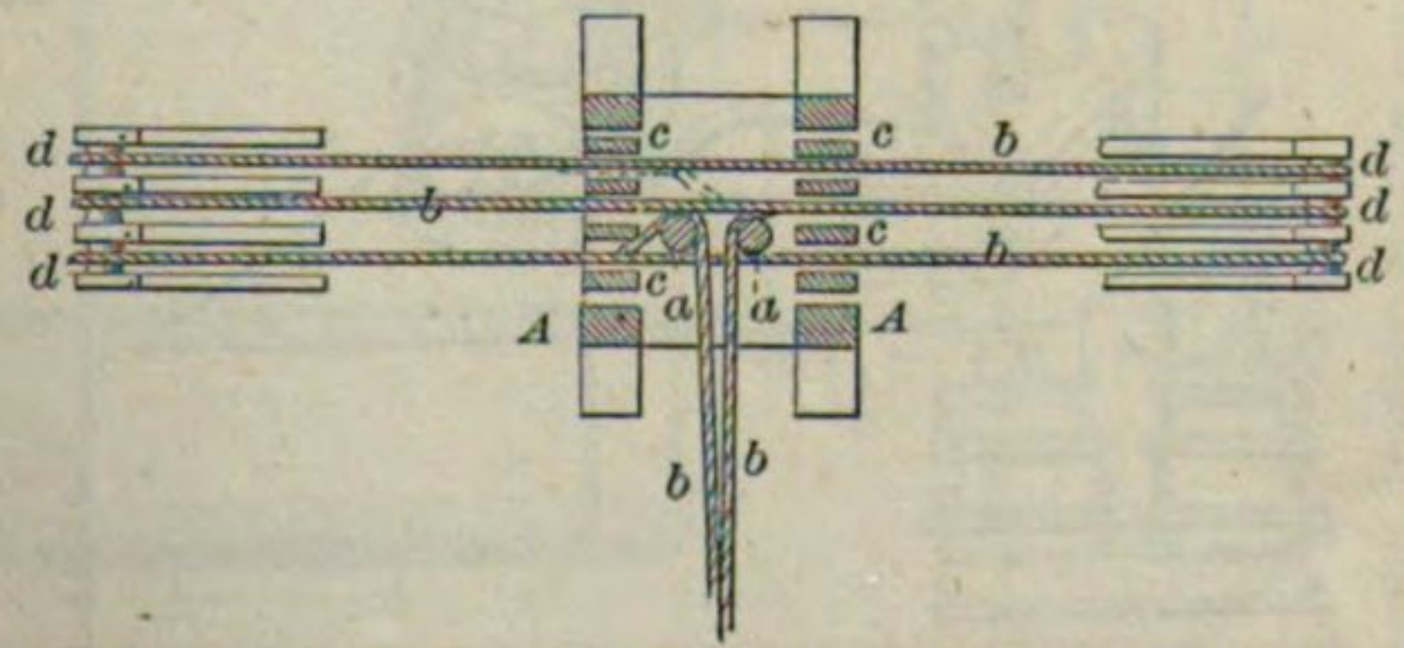
54208—J. E. Rice—*Picture Frame.*

54209—B. Roberts—*Hay Press.*

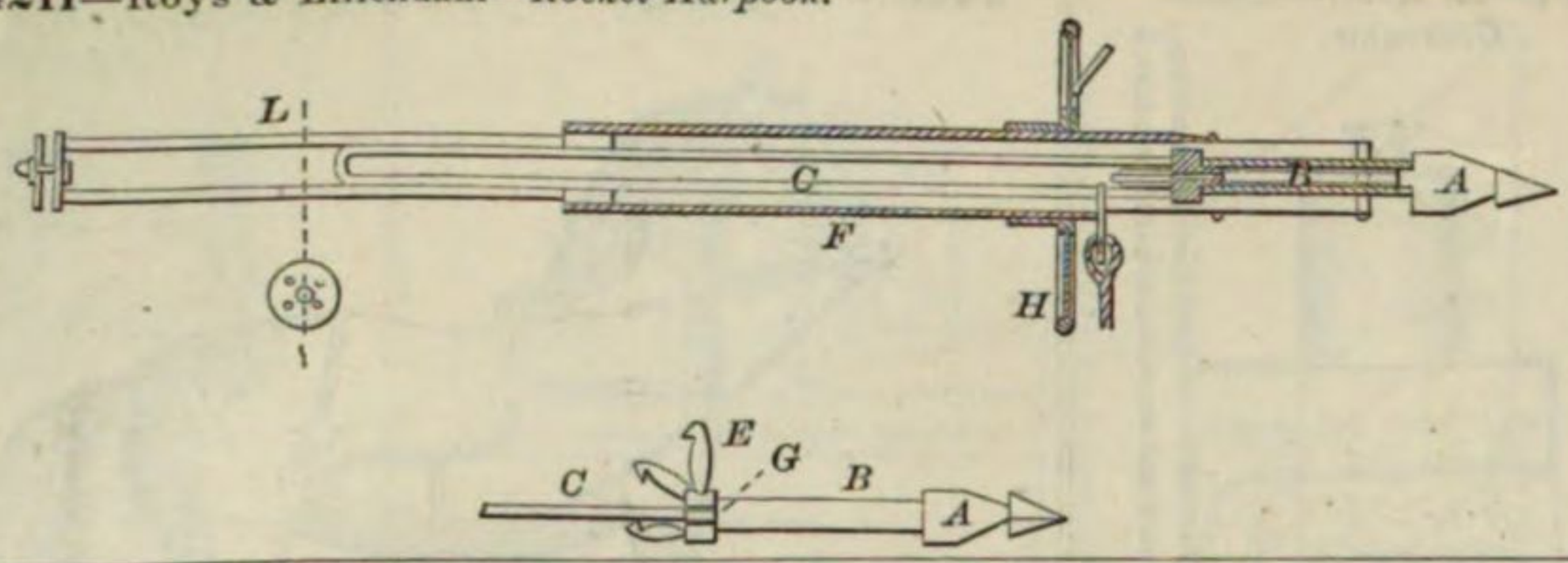


54210—D. T. Robinson—*For Cutting Tobacco.*

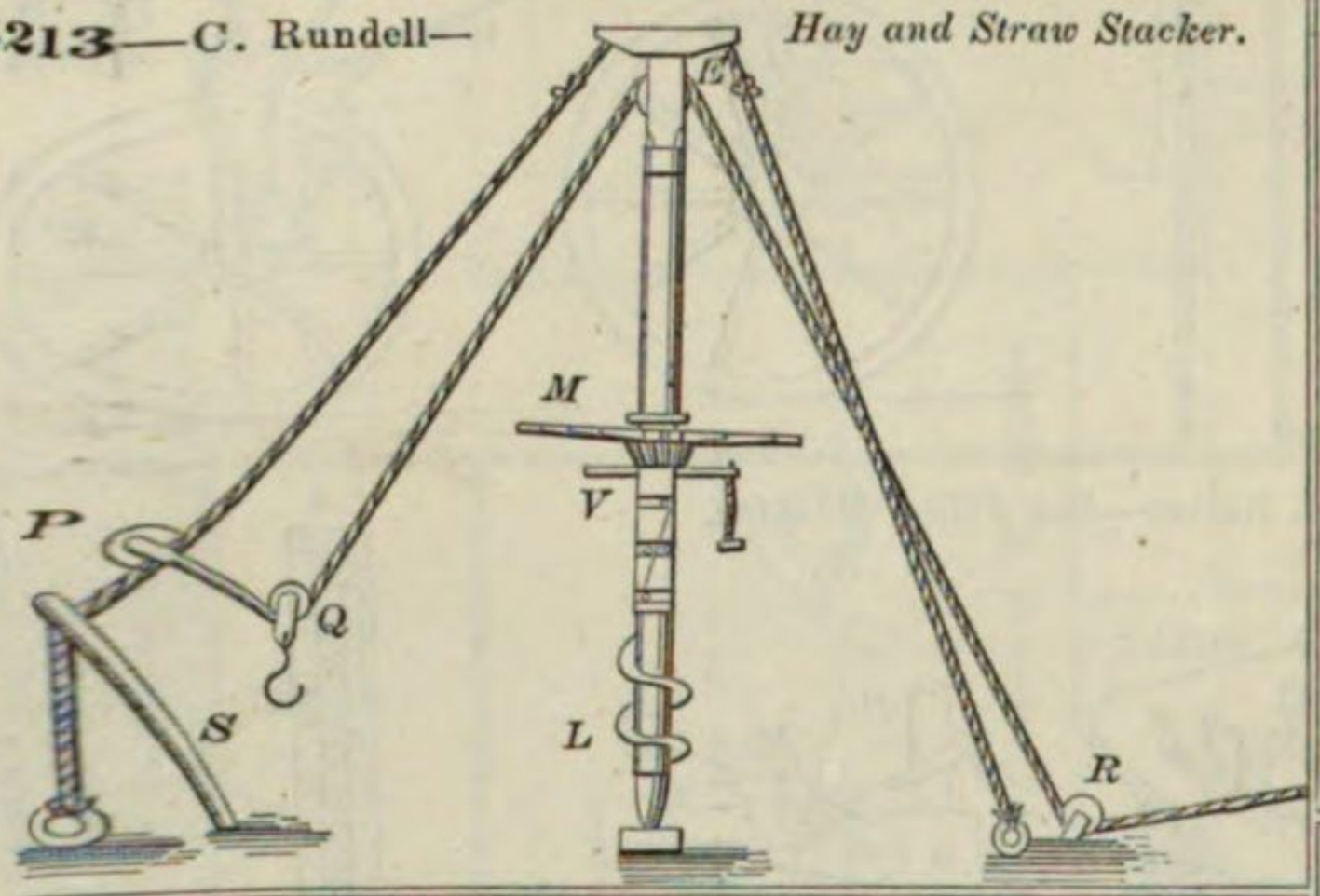




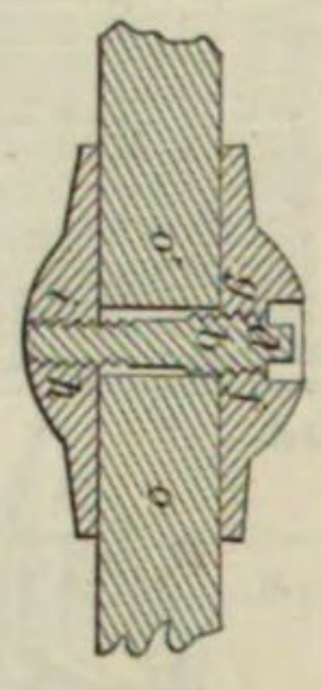
54211—Roys & Lillendahl—*Rocket Harpoon.*



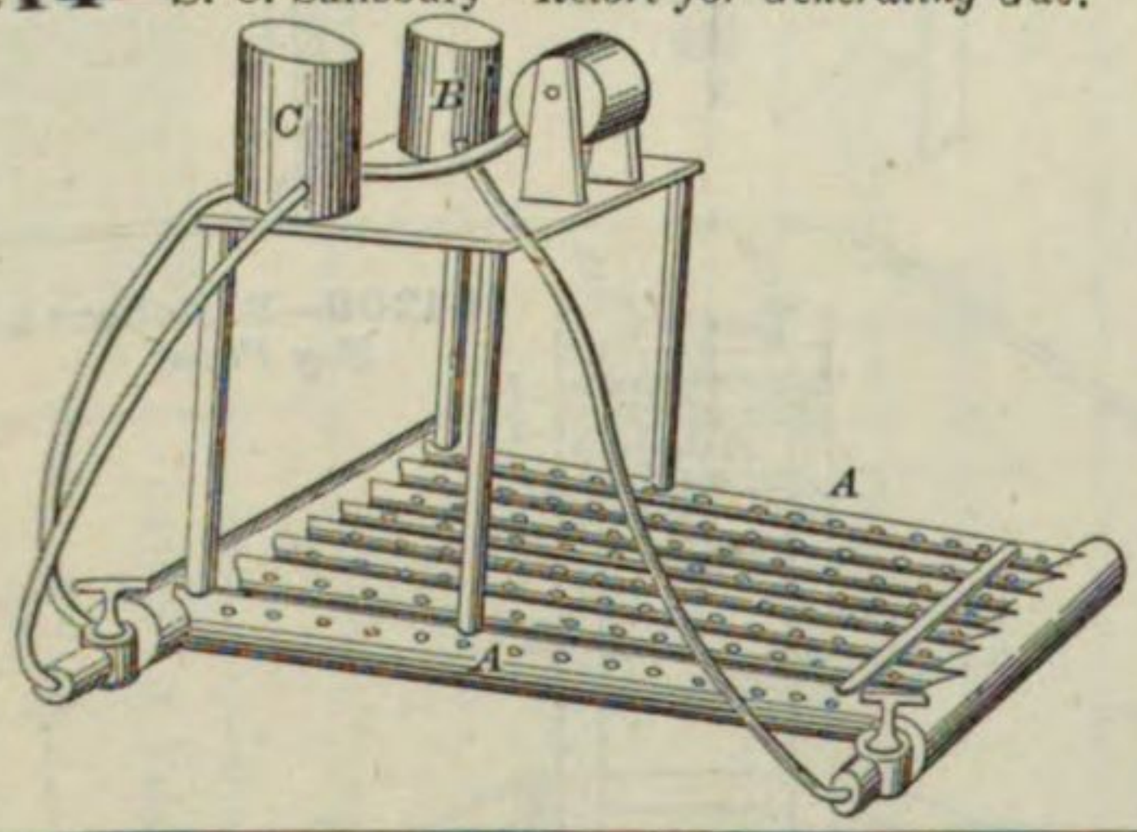
54213—C. Rundell—*Hay and Straw Stacker.*



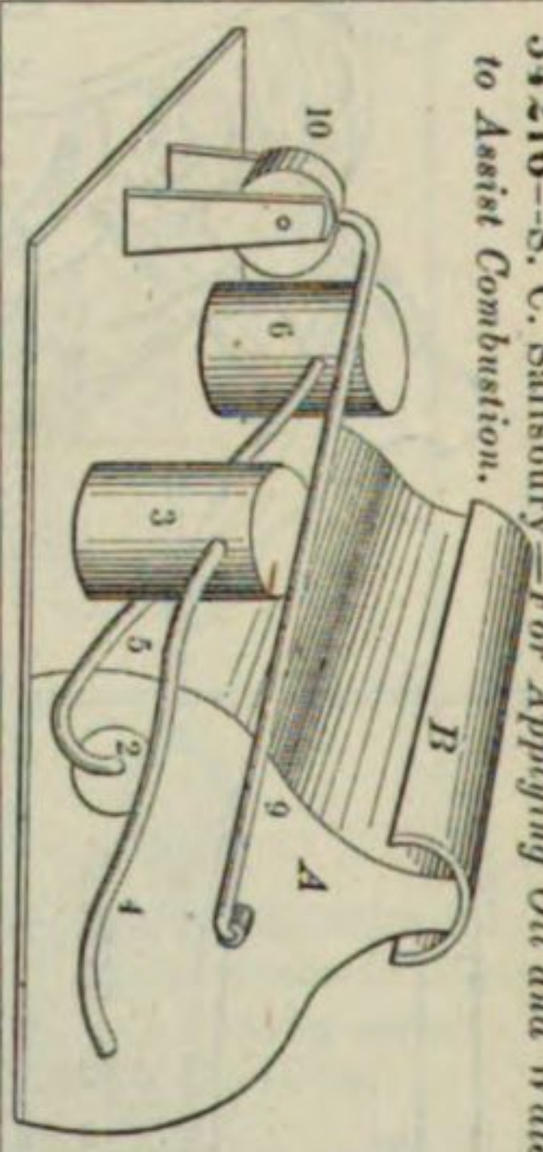
54212—S. P. Ruggles—*Shaft Coupling.*



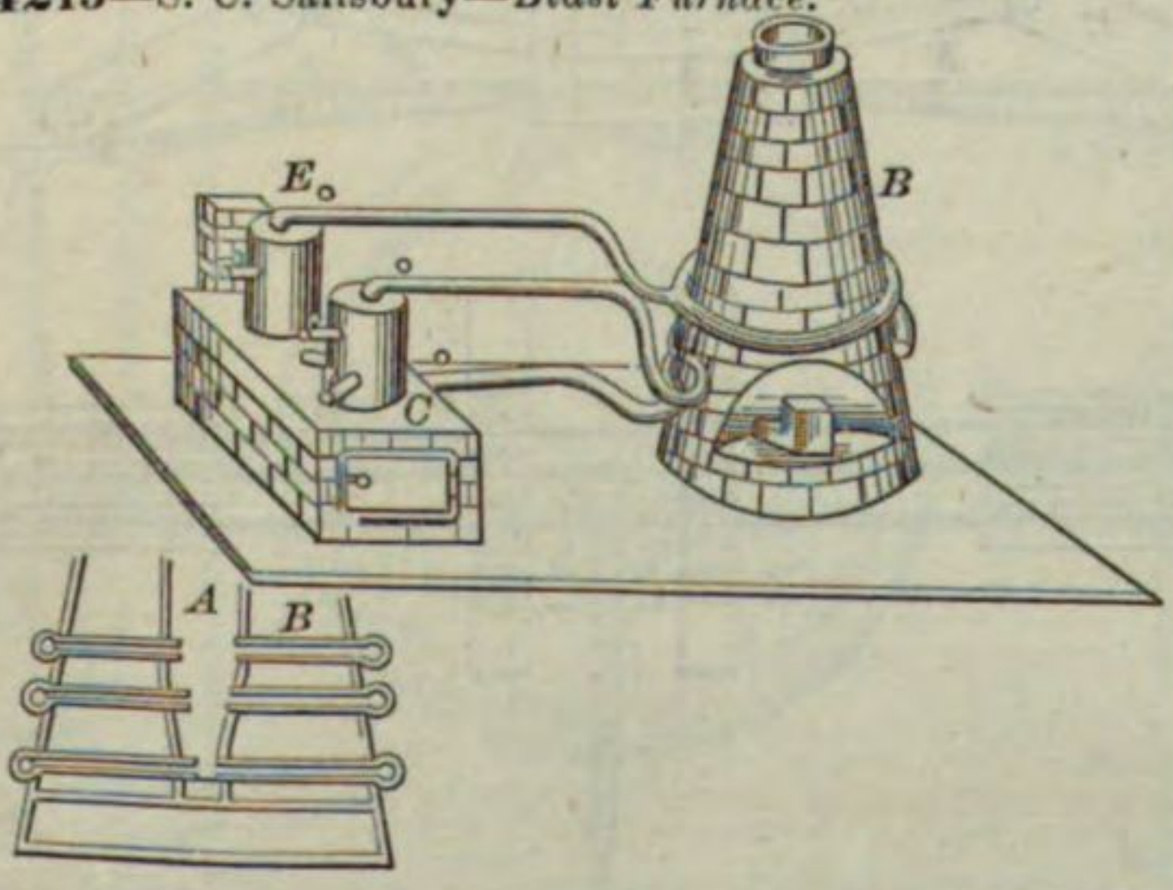
54214—S. C. Salisbury—*Retort for Generating Gas.*



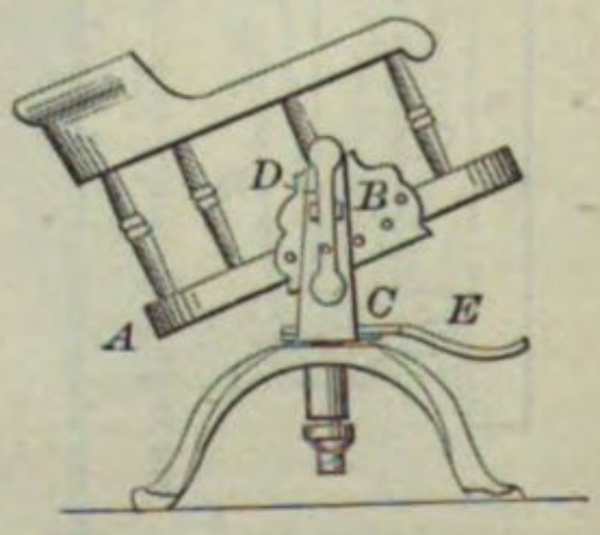
54216—S. C. Salisbury—*For Applying Oil and Water to Assist Combustion.*



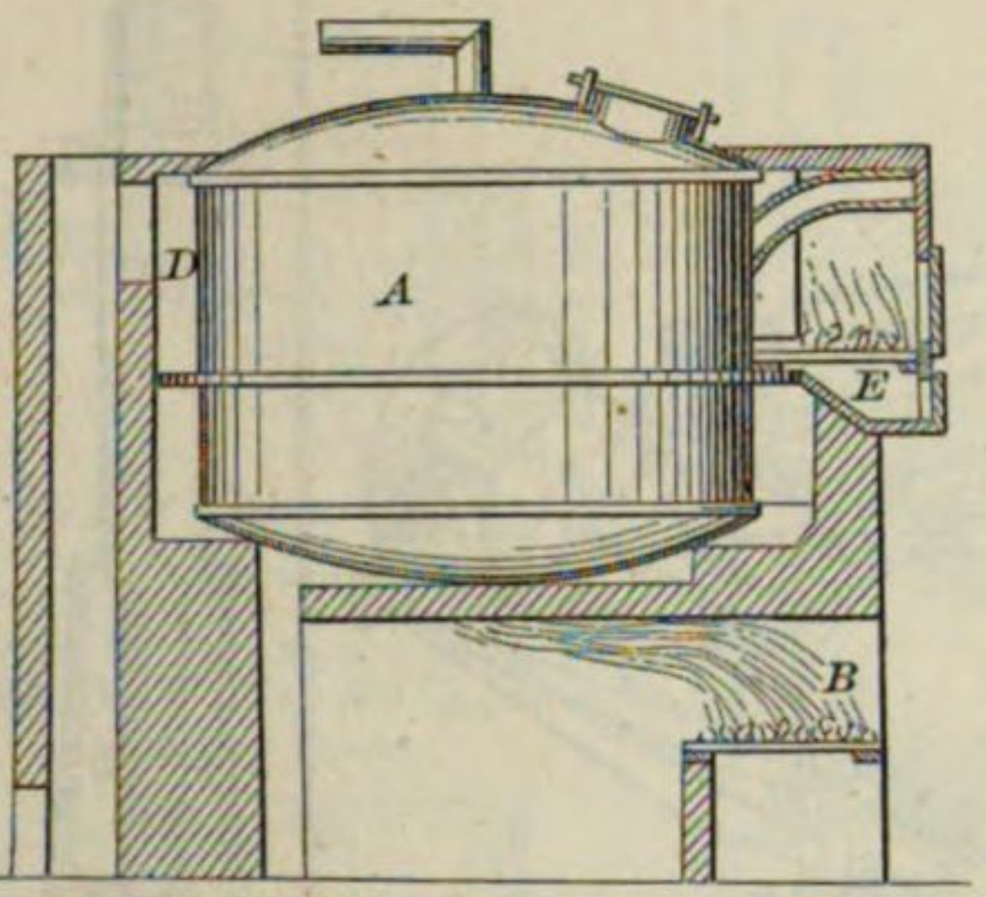
54215—S. C. Salisbury—*Blast Furnace.*



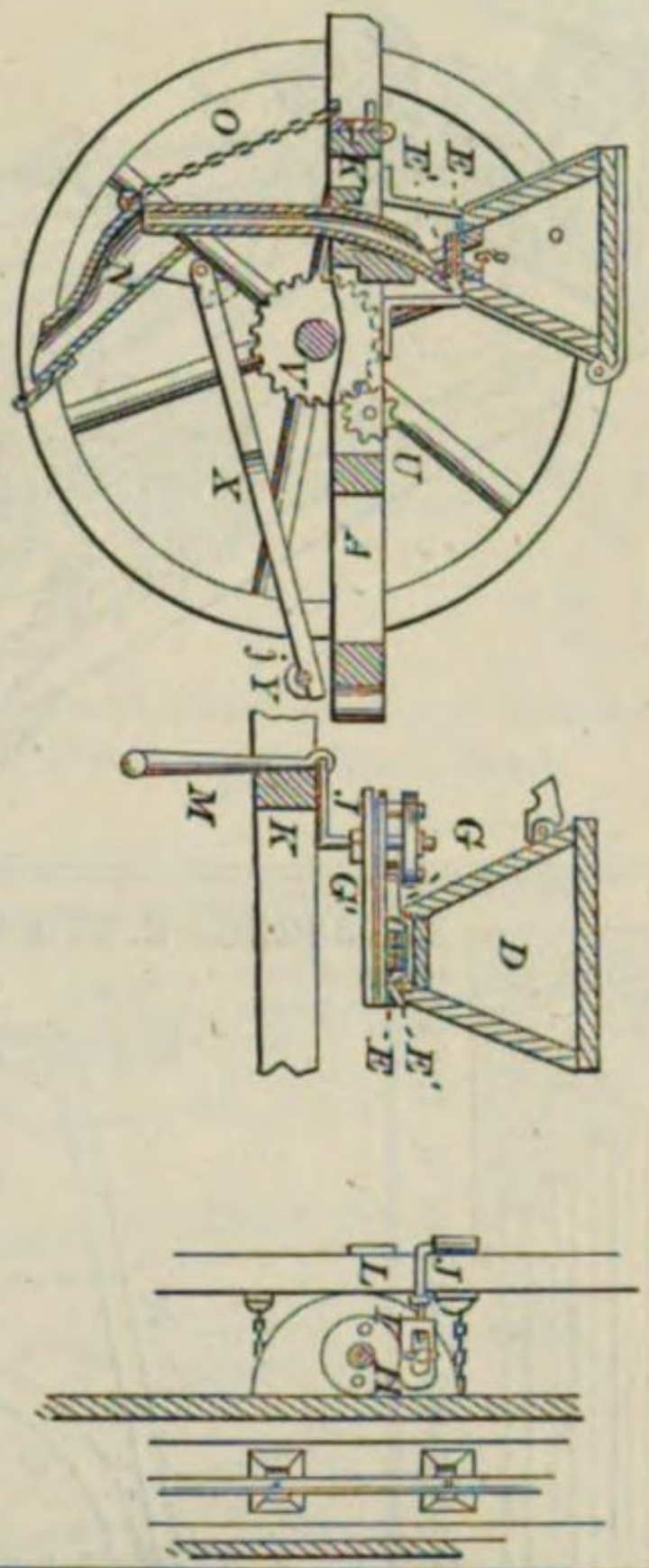
54217—J. F. Sargent—*Chair.*



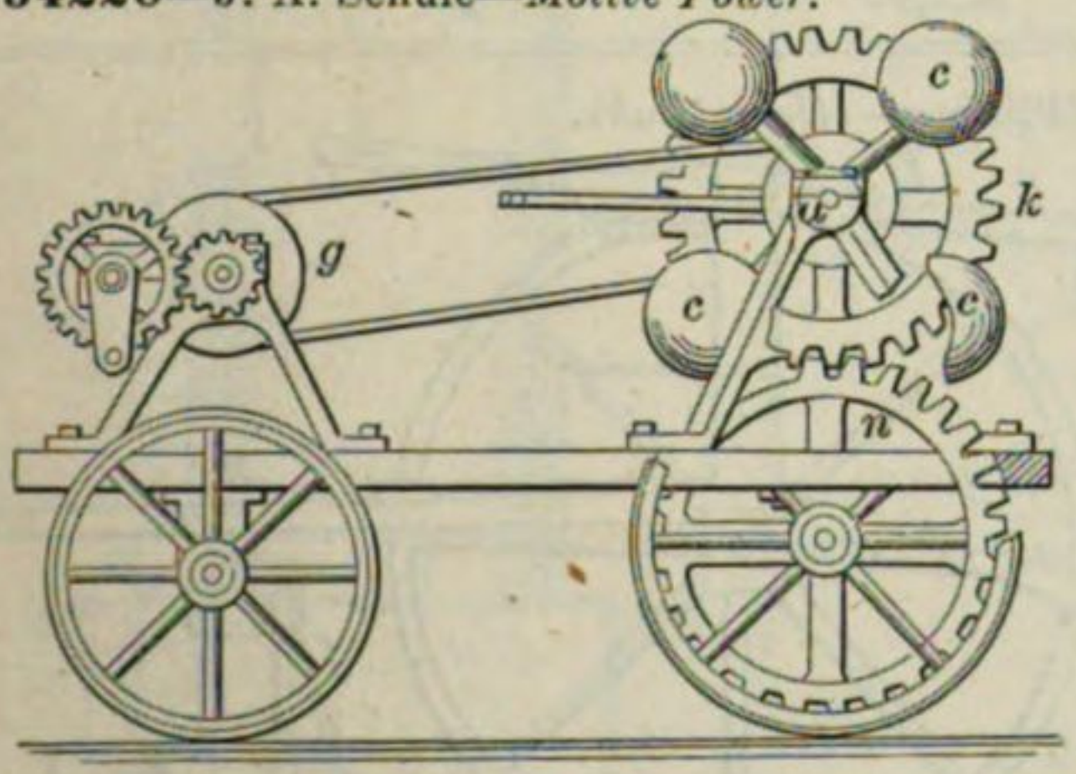
54218—H. A. Schesch—*For Distilling.*

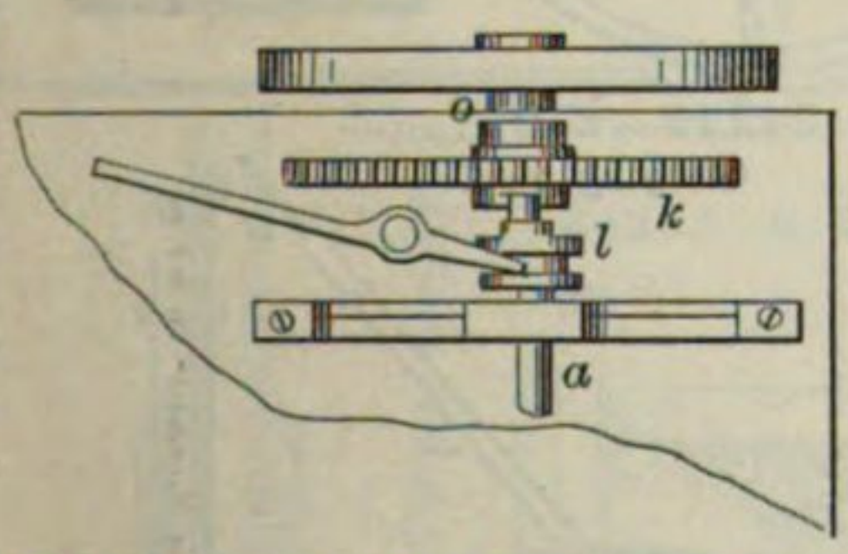


54219—P. & P. J. Schmitt—*Grain Drill.*

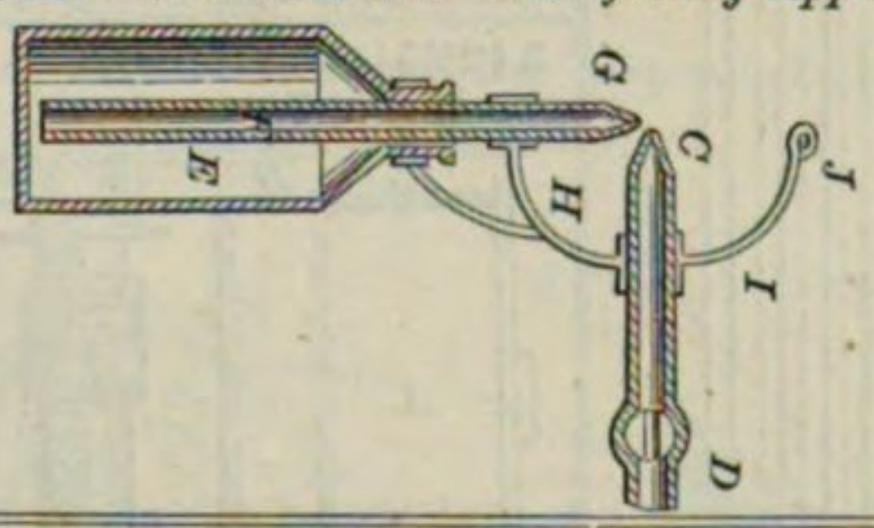


54220—J. A. Schule—*Motive Power.*

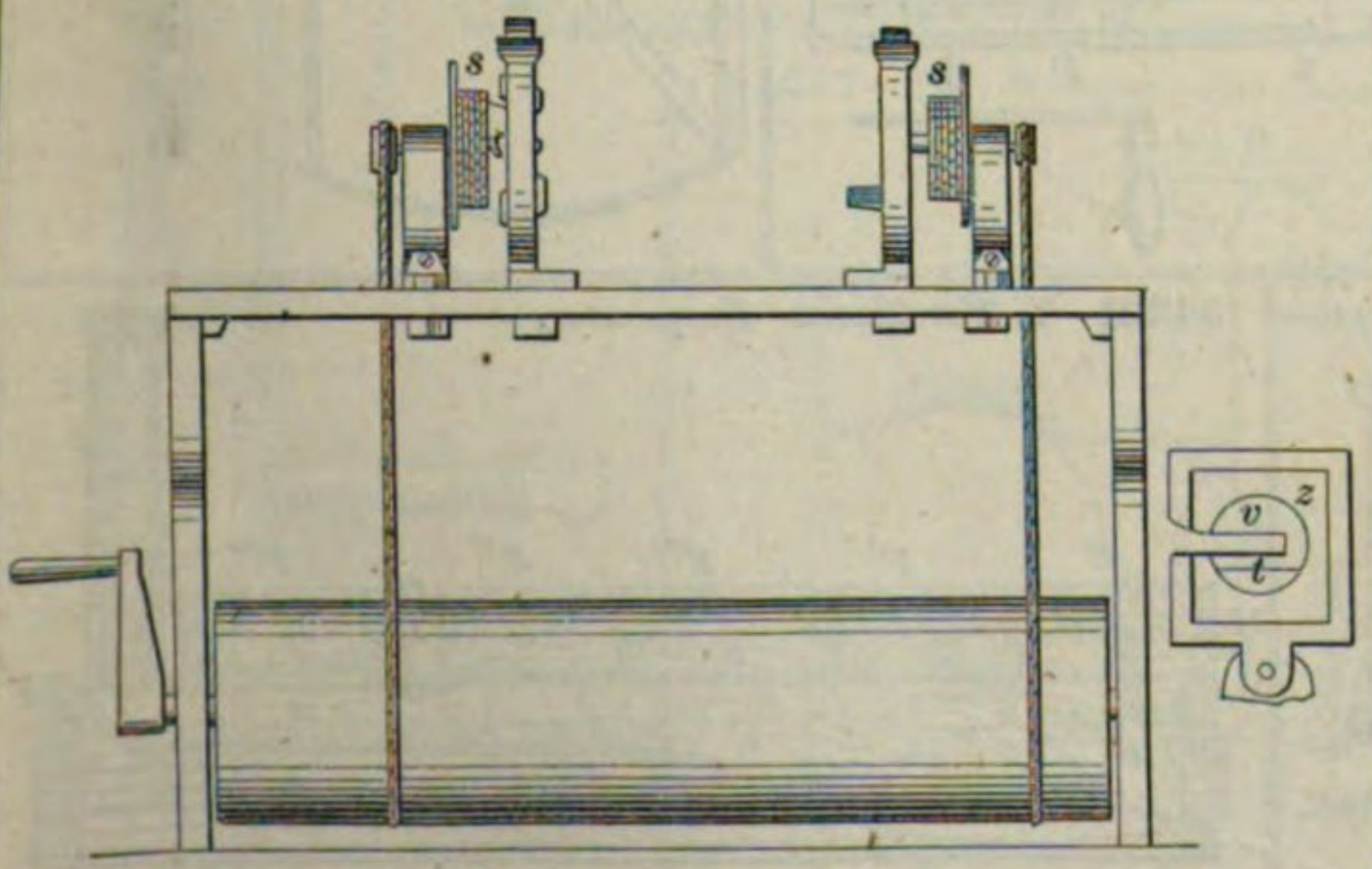




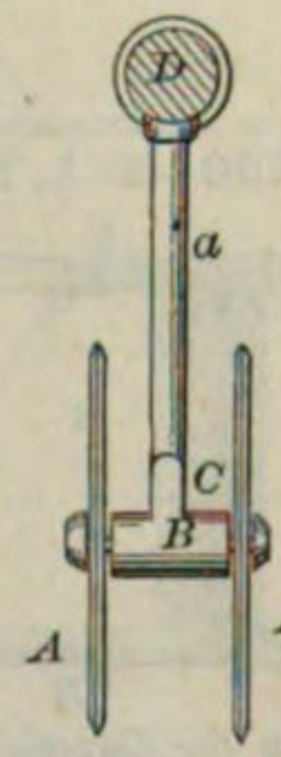
54221—J. M. Scudder—*Disinfecting Apparatus.*



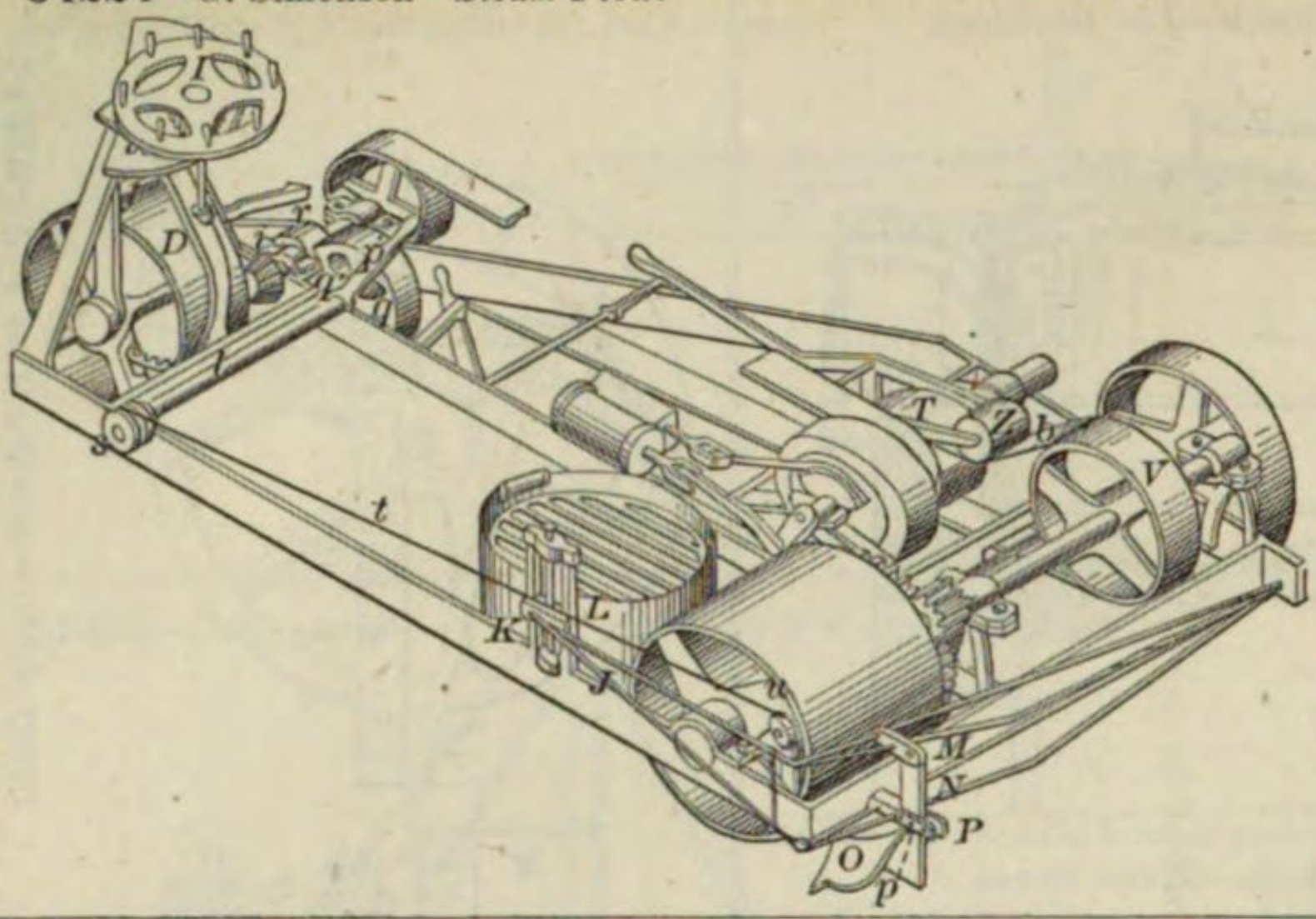
54222—J. M. Seymour—*For Tenoning Blind Slats.*



54223—J. Shepard—*Meat and Vegetable Cutter.*

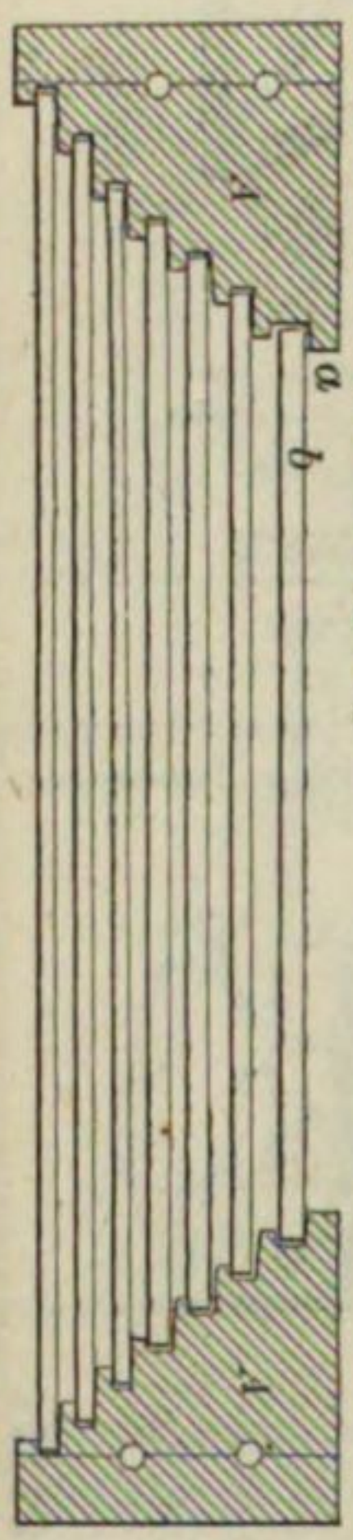


54224—G. Simonson—*Steam Plow.*

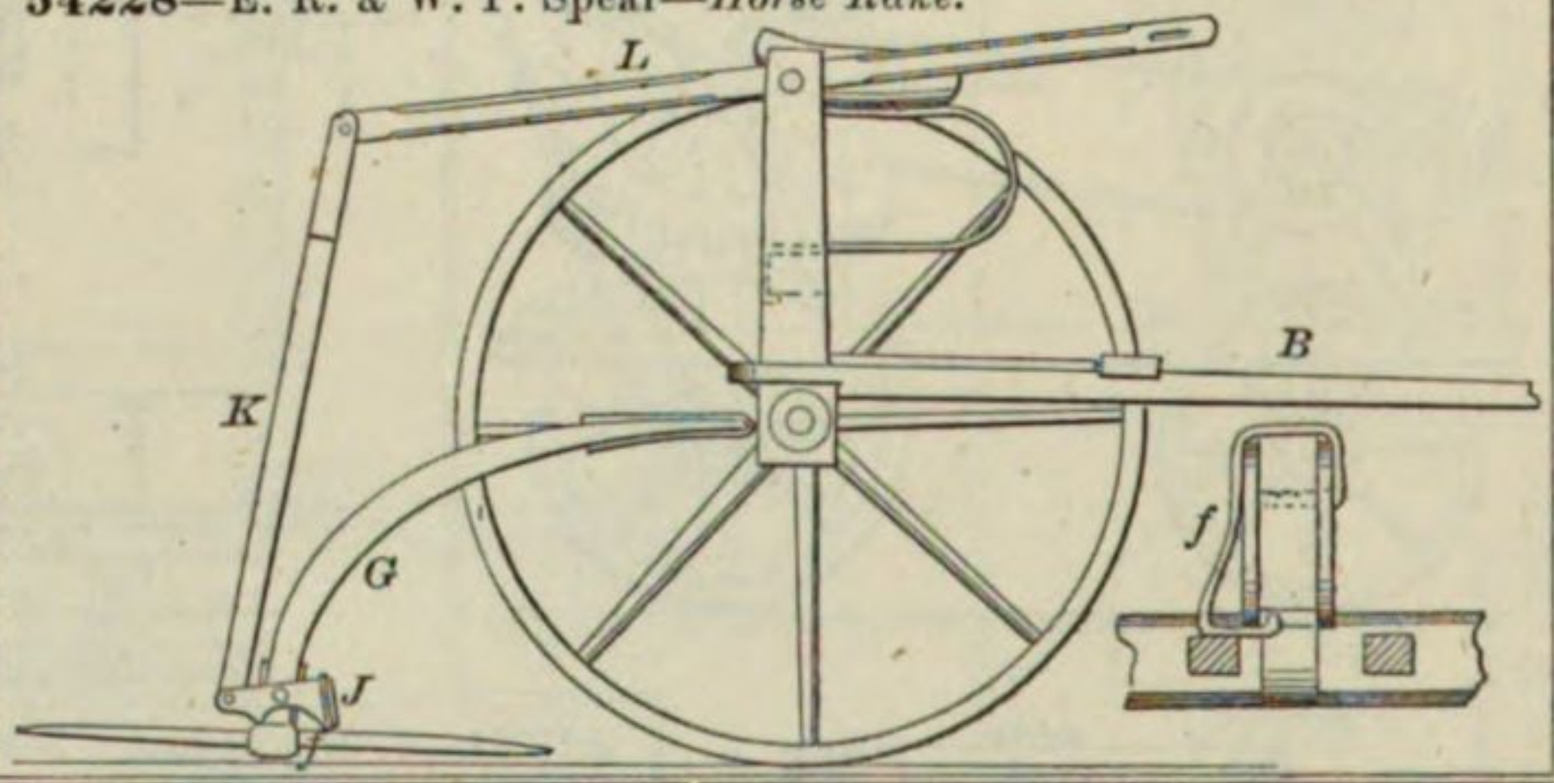


54226—J. Y. Smith—*Rock Drill.*

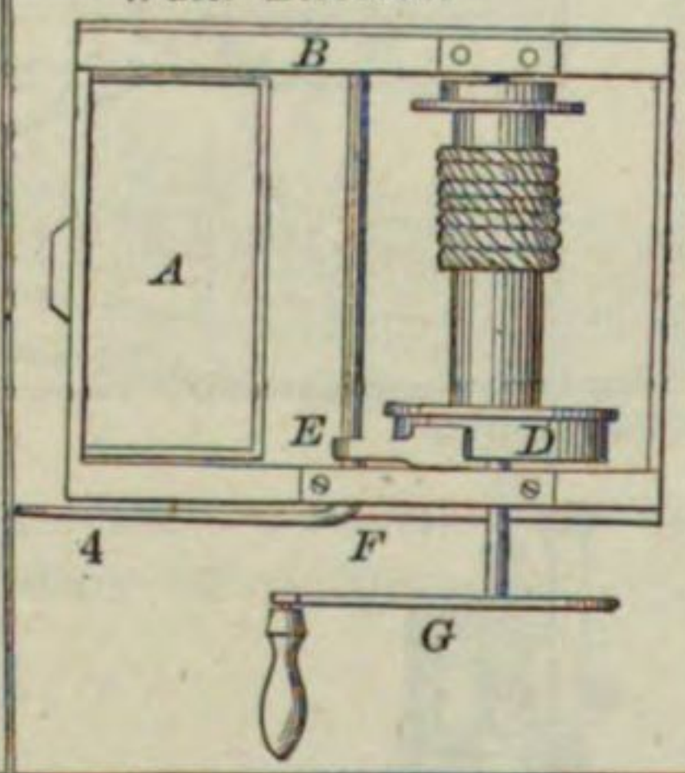
54227—J. B. Smyth—*Car Spring.*



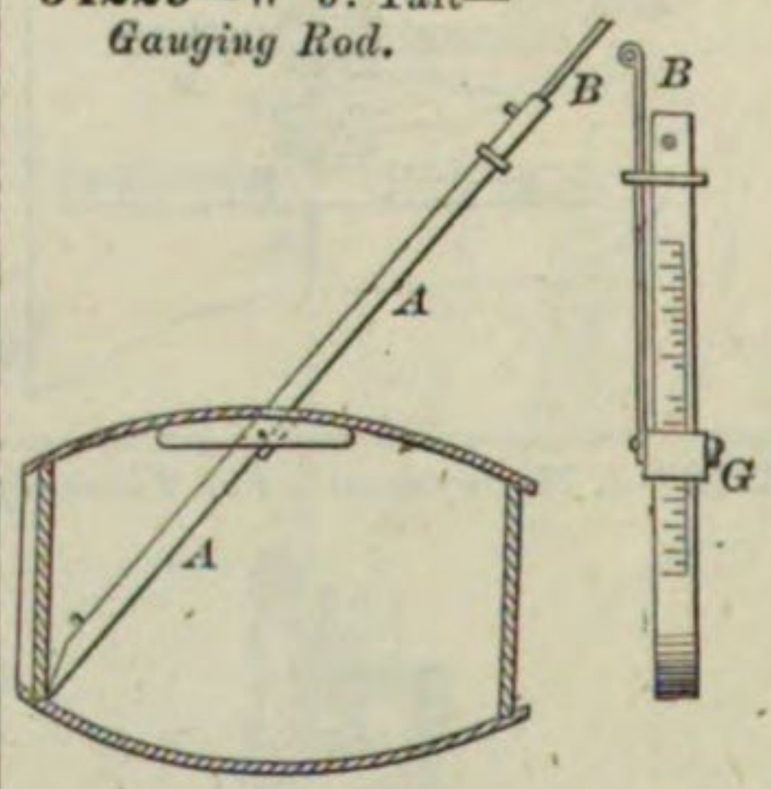
54228—E. R. & W. P. Spear—*Horse Rake.*



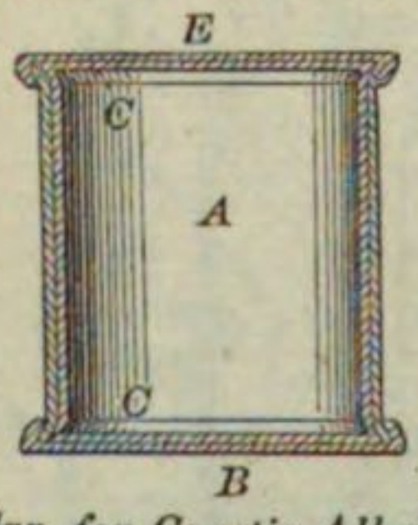
54225—H. M. Smith—
Water Elevator.



54229—W J. Tait—
Gauging Rod.

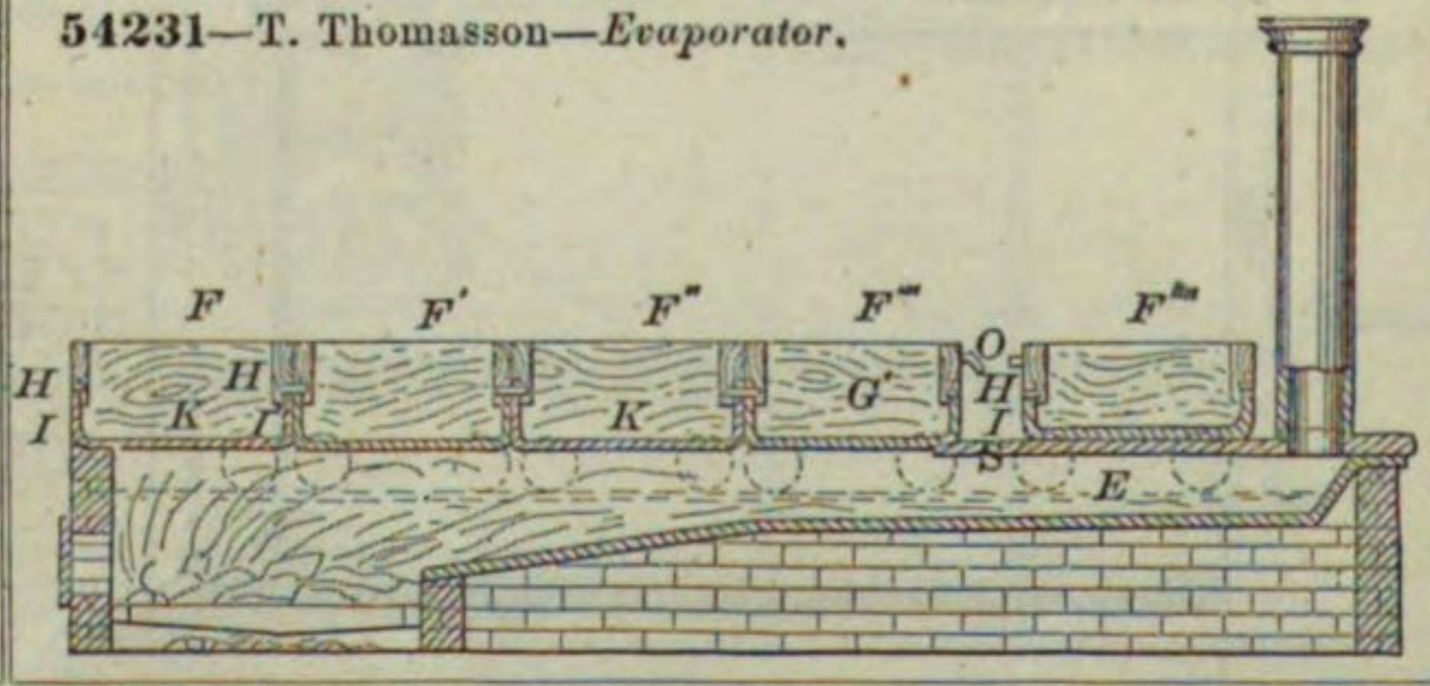


54230—E. A. Thomas—

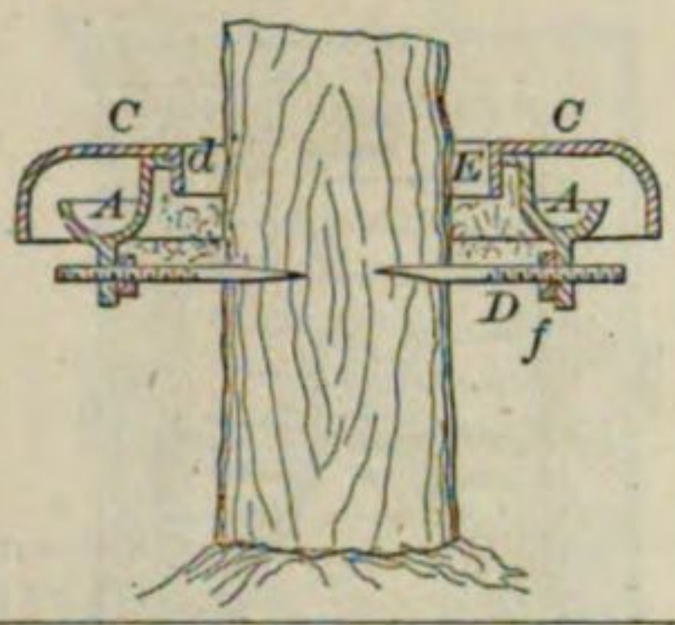


Can for Caustic Alkali.

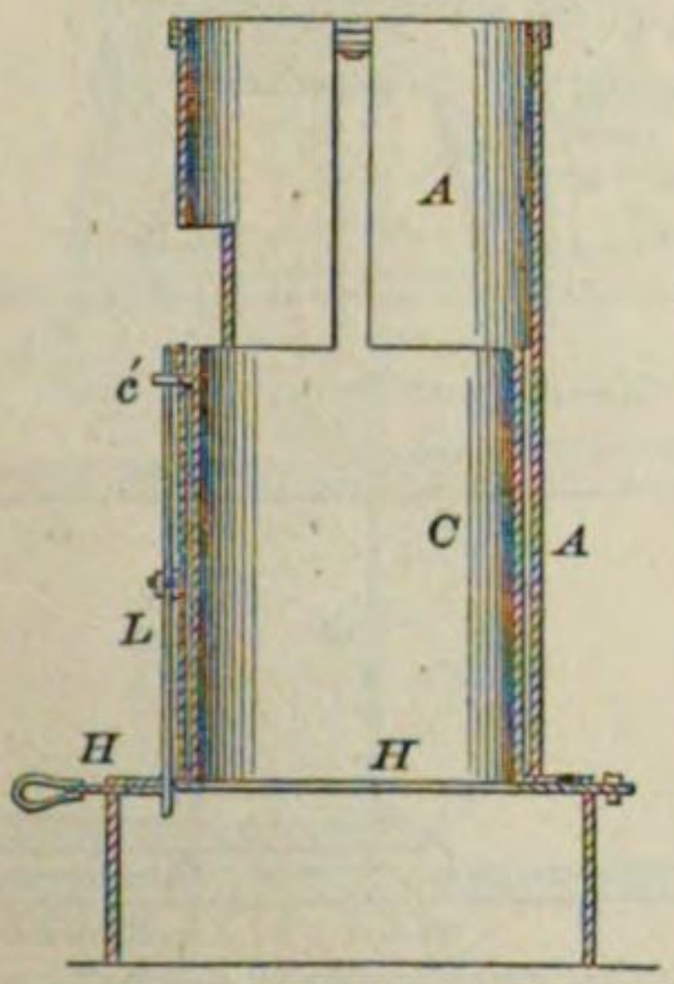
54231—T. Thomasson—*Evaporator.*



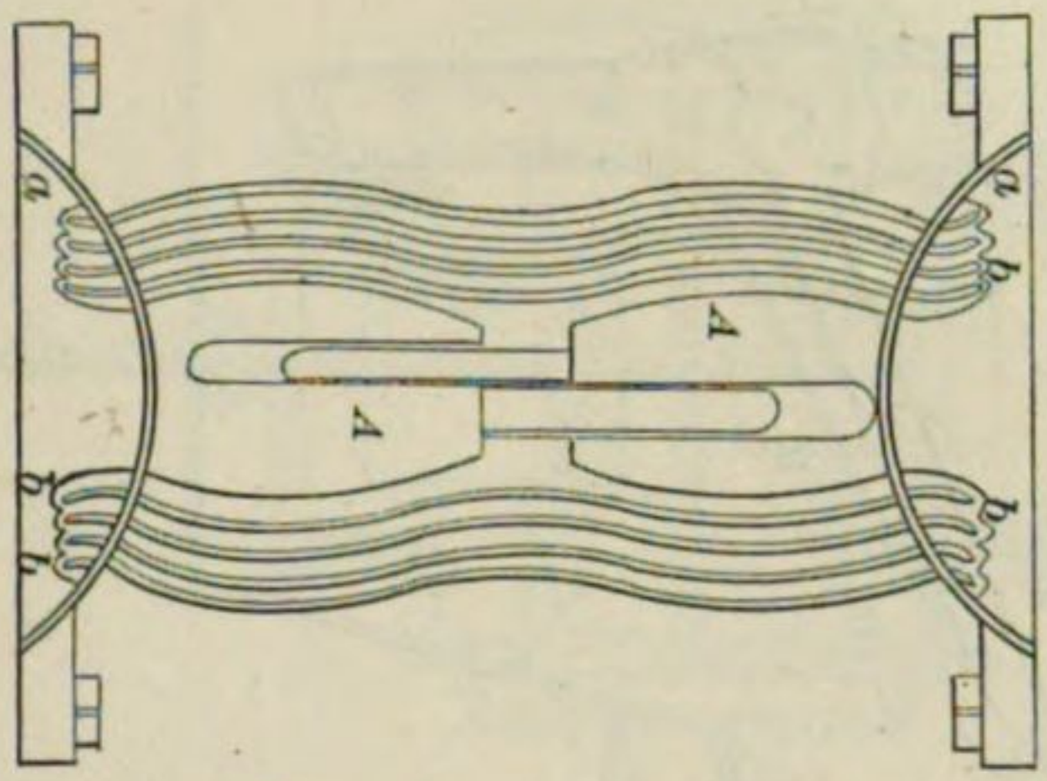
54232—T. Tufts—*Tree Protector.*



54233—W. Van De Sande—*Heating Stove.*



54234—A. T. Watson—*Railroad Car Spring.*



54236—J. W. Wetmore—*Railroad Chair.*

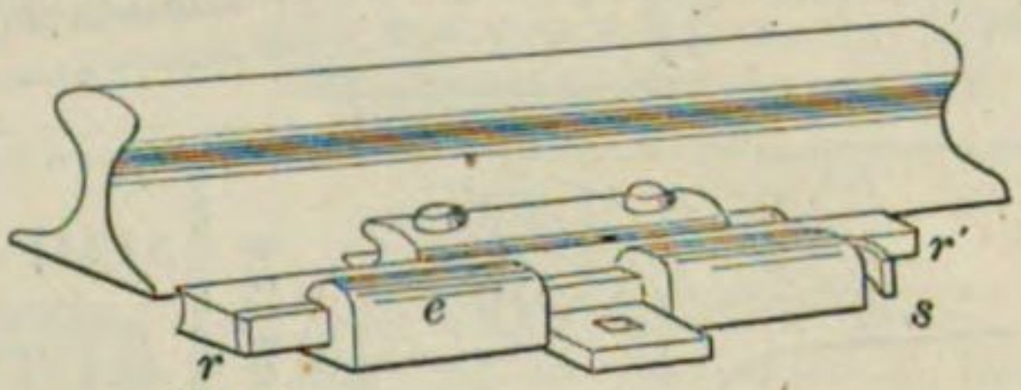


Fig. 2

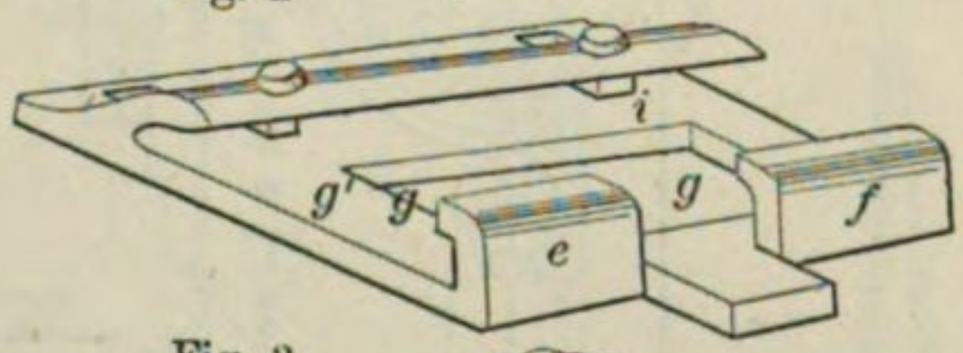
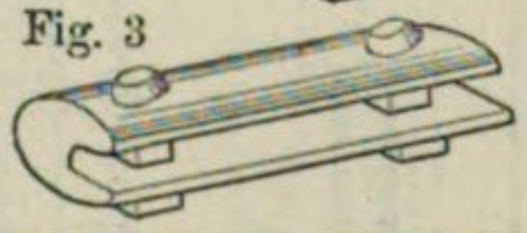
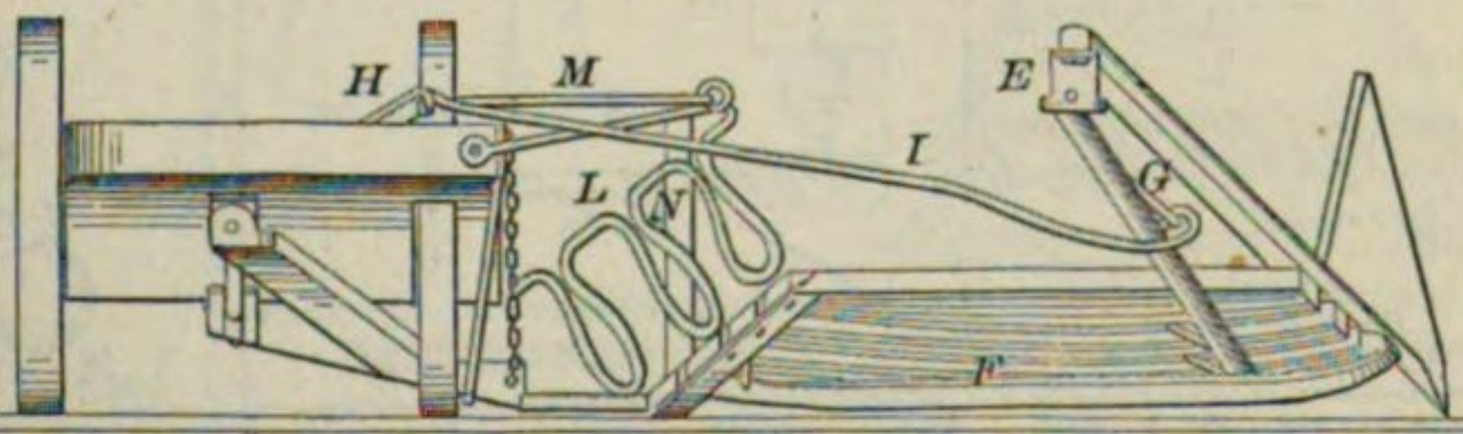


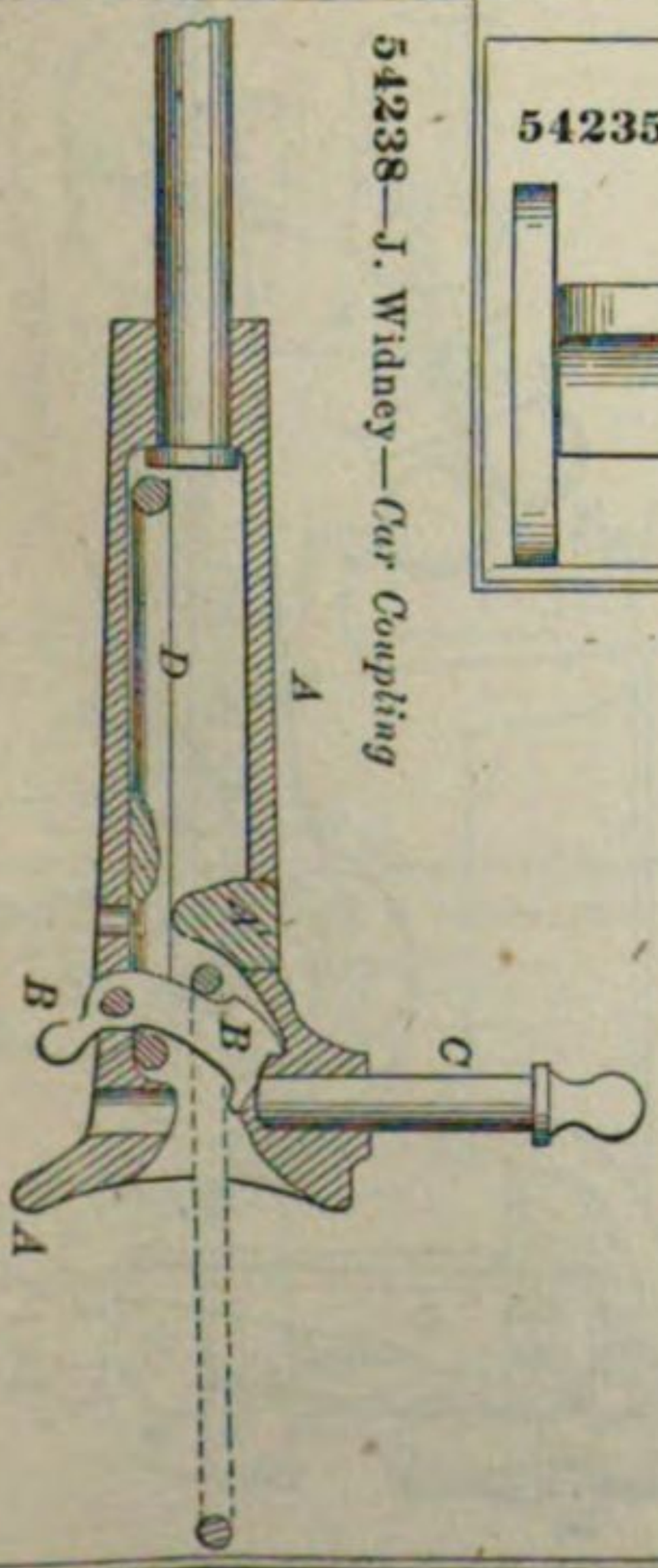
Fig. 3



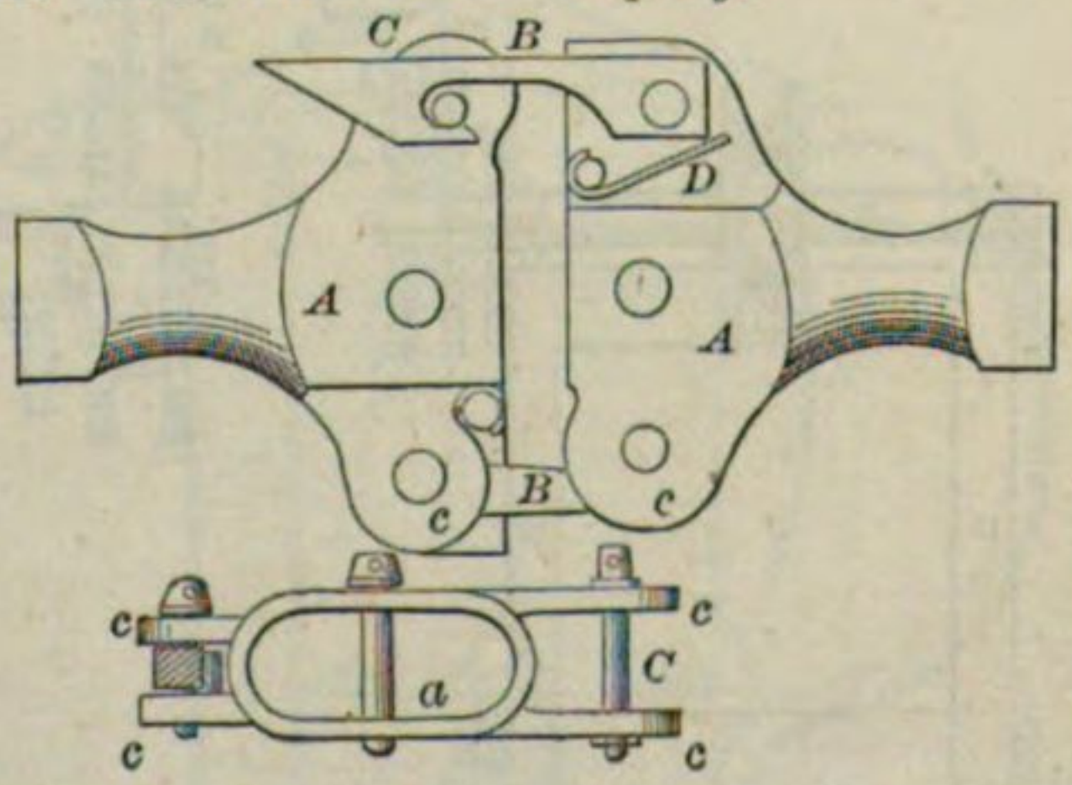
54235—G. Wellhouse—*Harvester Rake.*



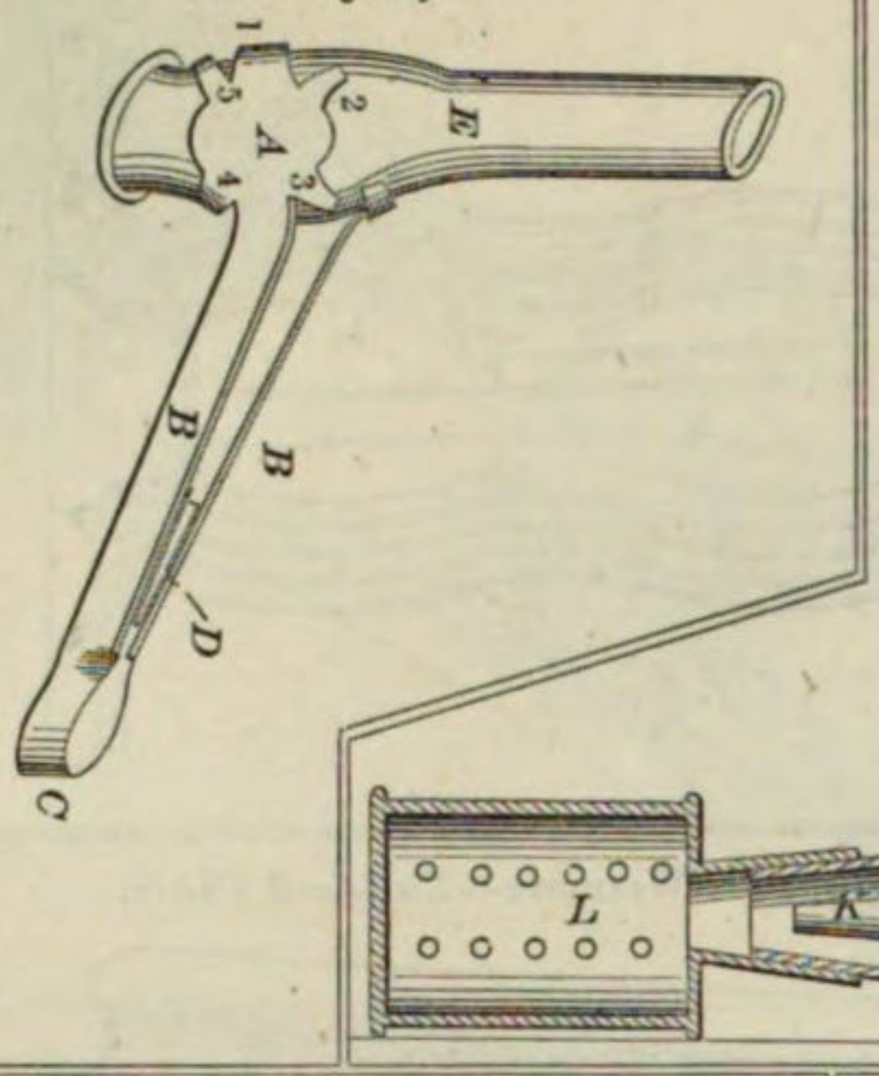
54238—J. Widney—*Car Coupling.*



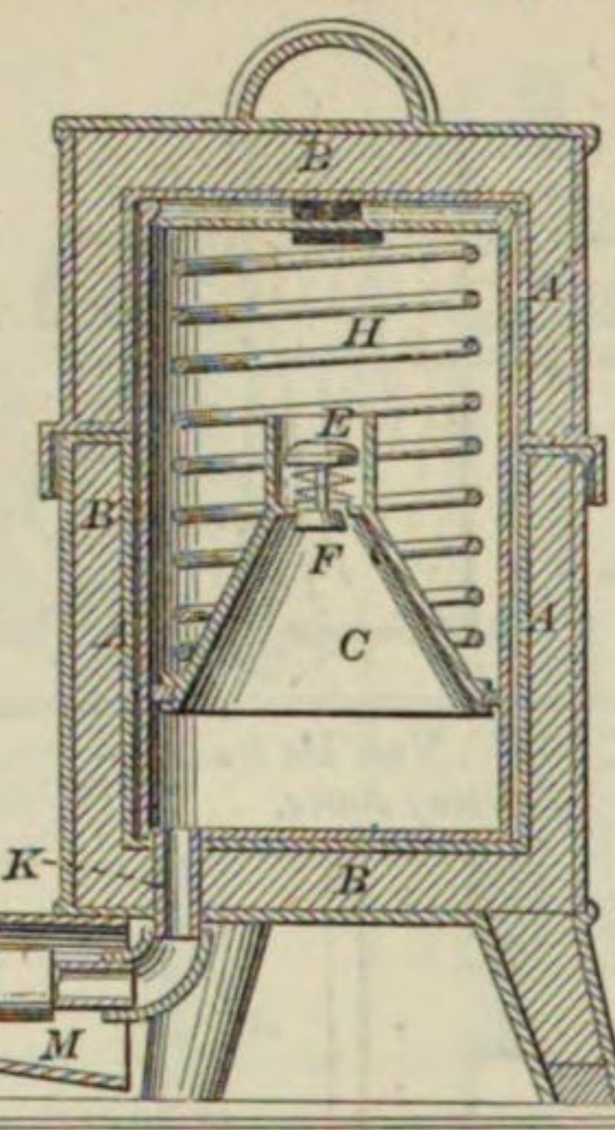
54237—C. O. Wheeler—*Car Coupling.*



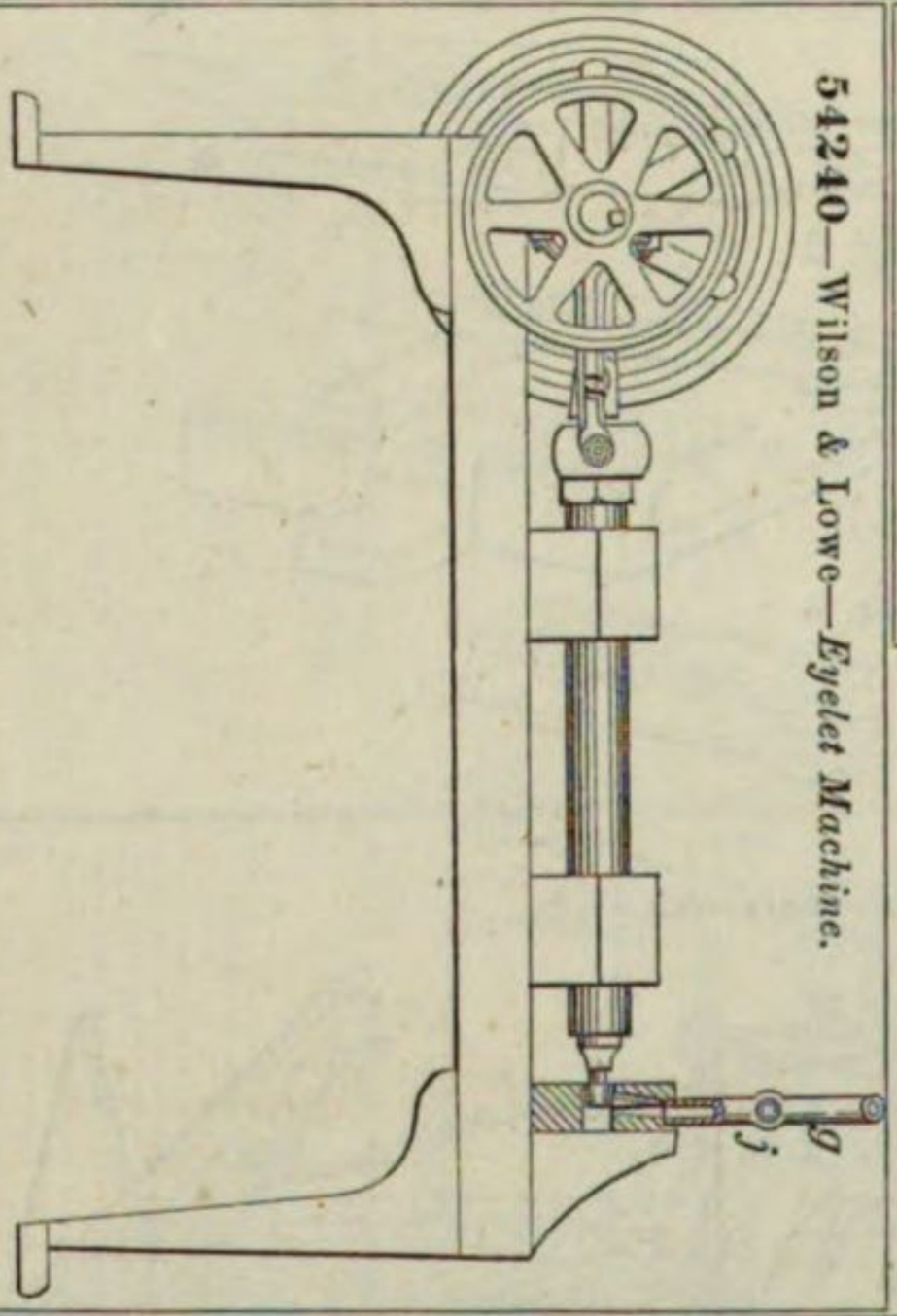
54239—Wilhelm & Larimore—*Lamp Chimney Lifter.*



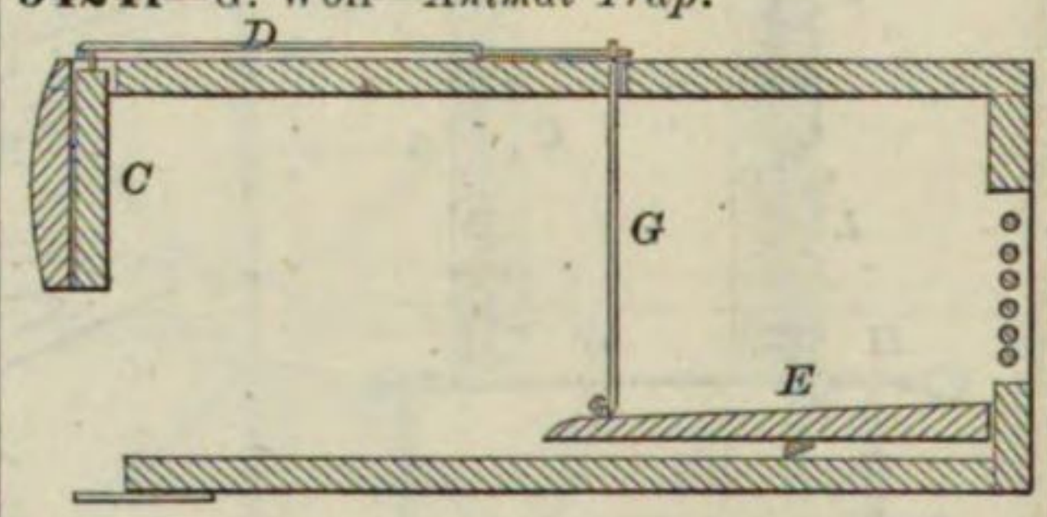
54243—R. Yoilding—*For Burning Tar.*



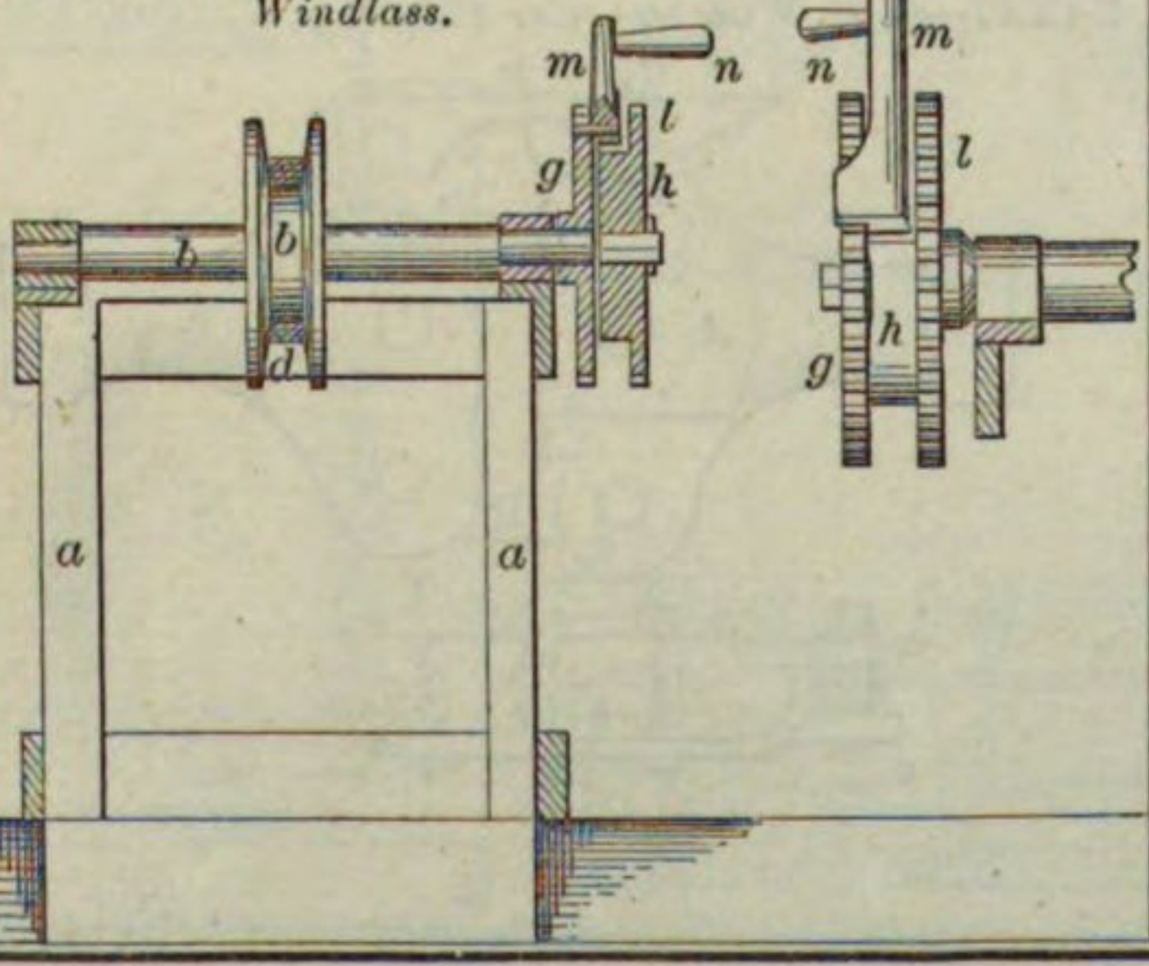
54240—Wilson & Lowe—*Eyelet Machine.*



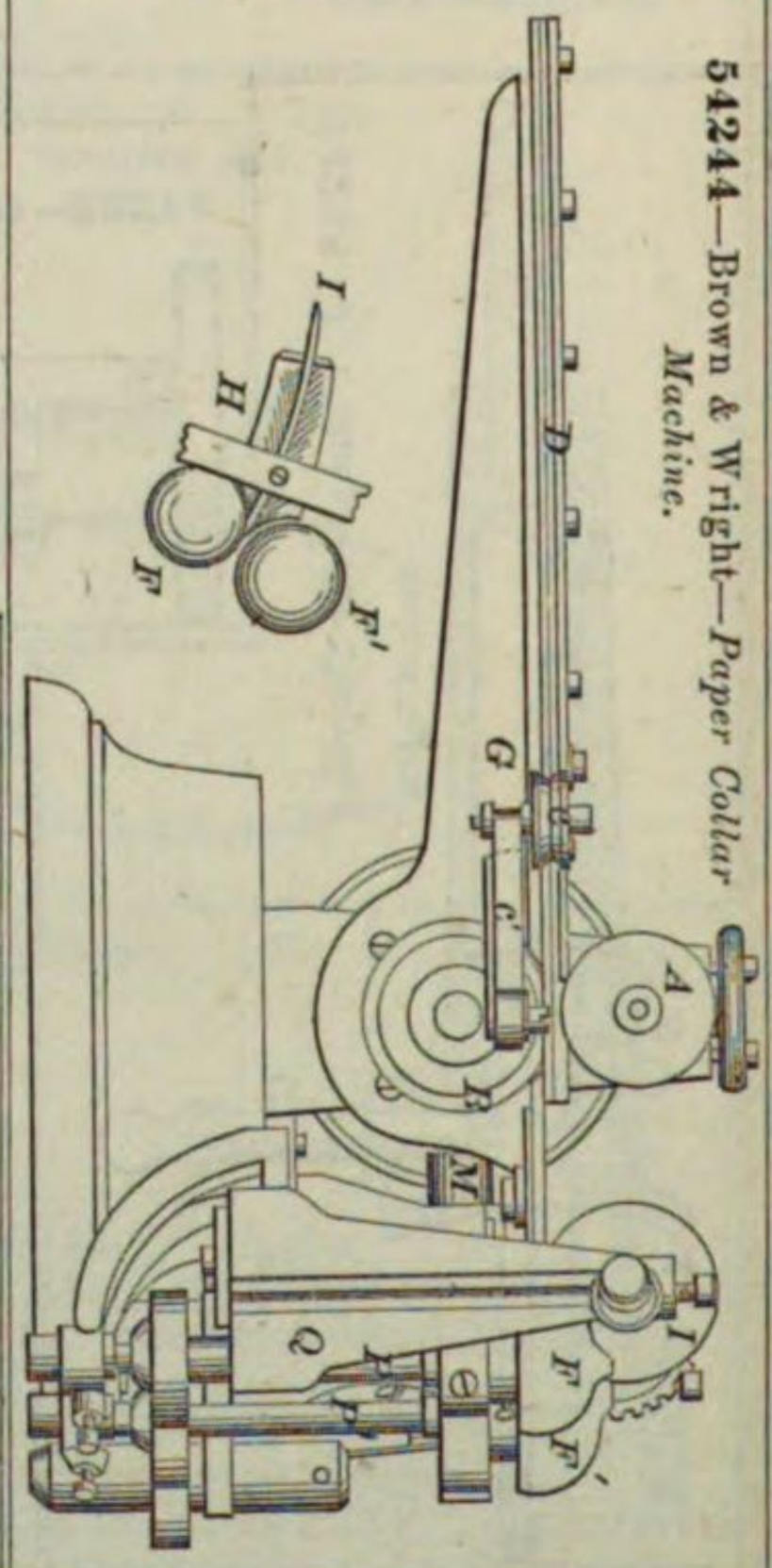
54241—G. Wolf—*Animal Trap.*



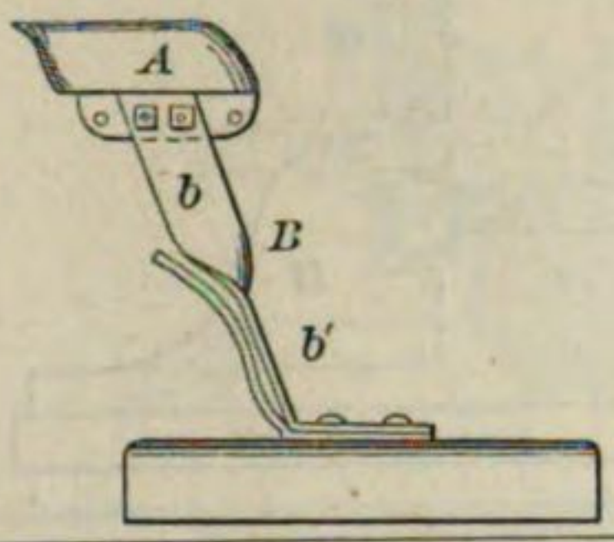
54242—T. J. Wrangham—*Well Windlass.*



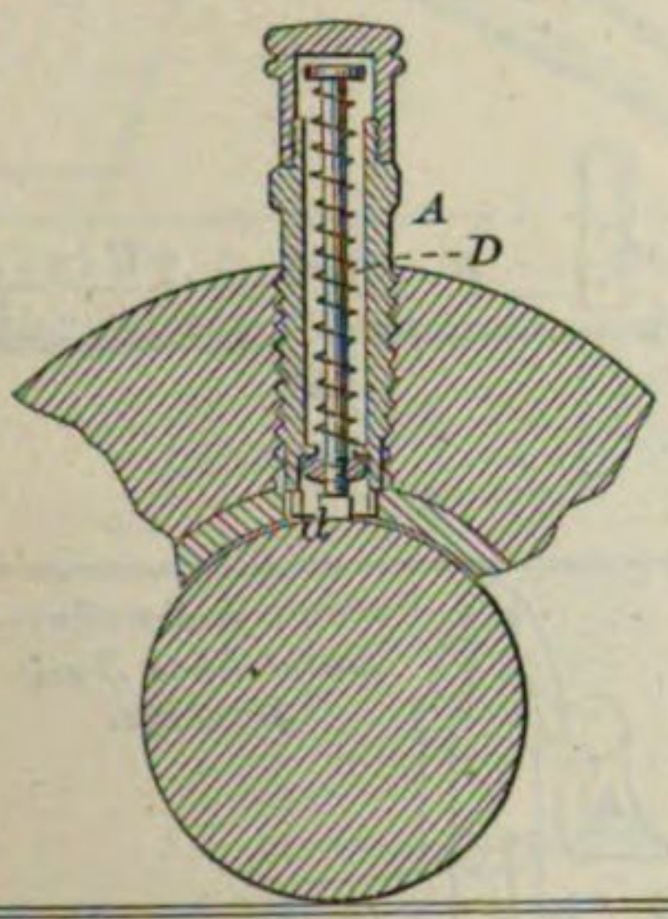
54244—Brown & Wright—*Paper Collar Machine.*



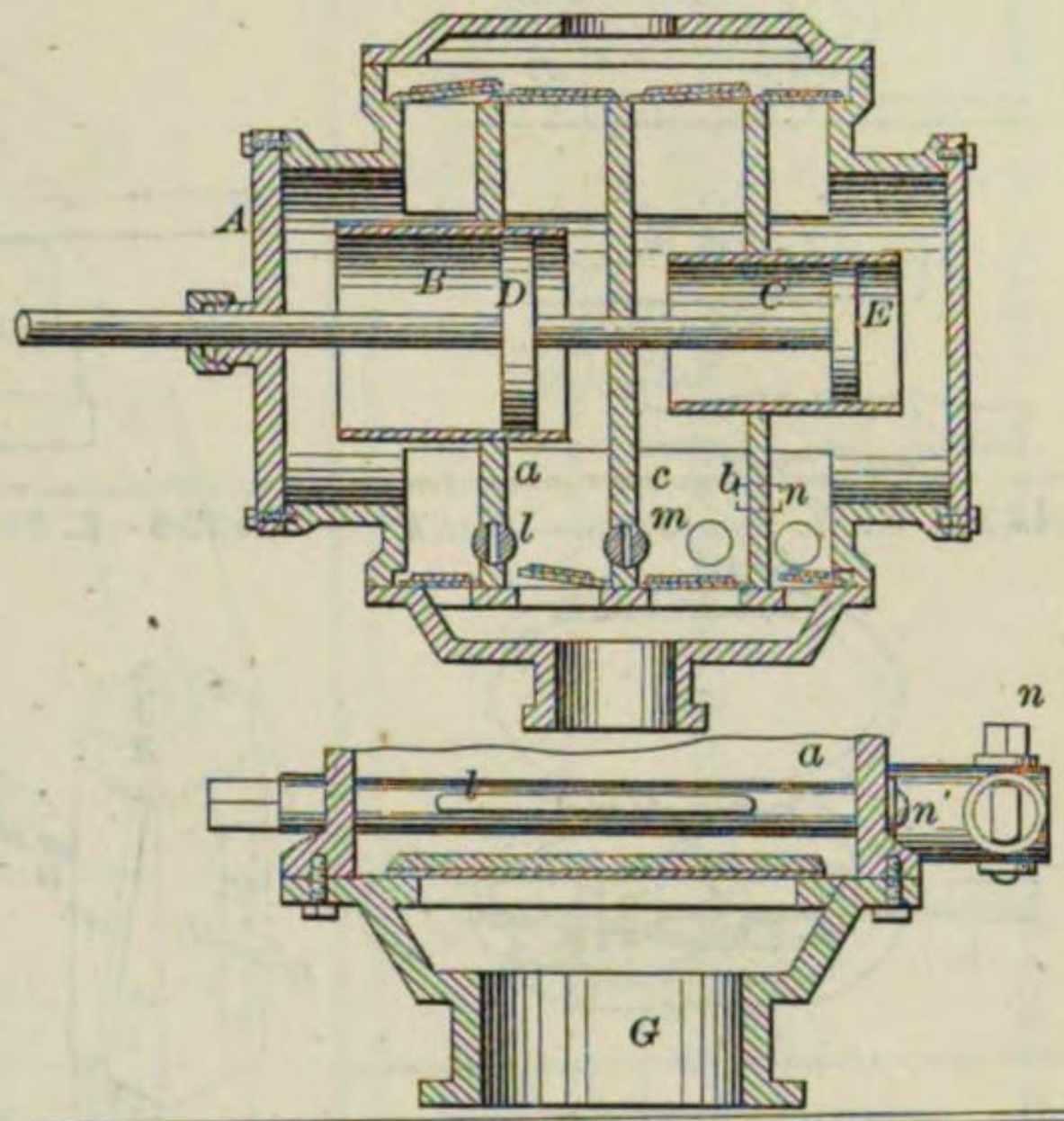
54245—T. S. Brown—*Seat for Harvester.*



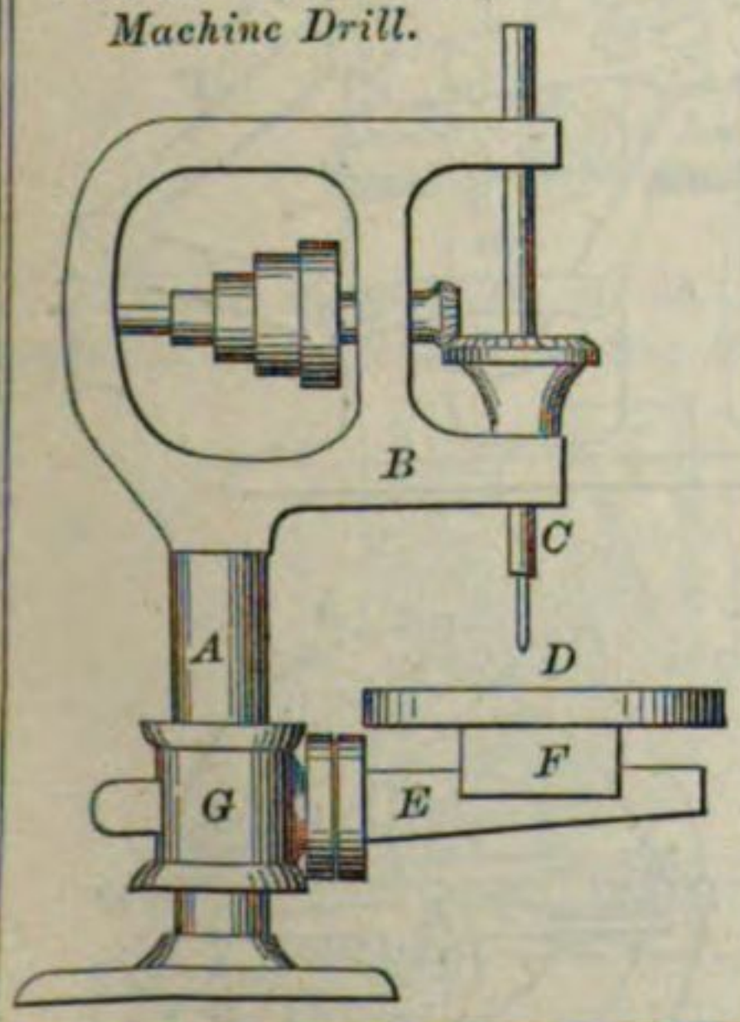
54246—N. B. Brown—*Device For Lubricating Axles.*



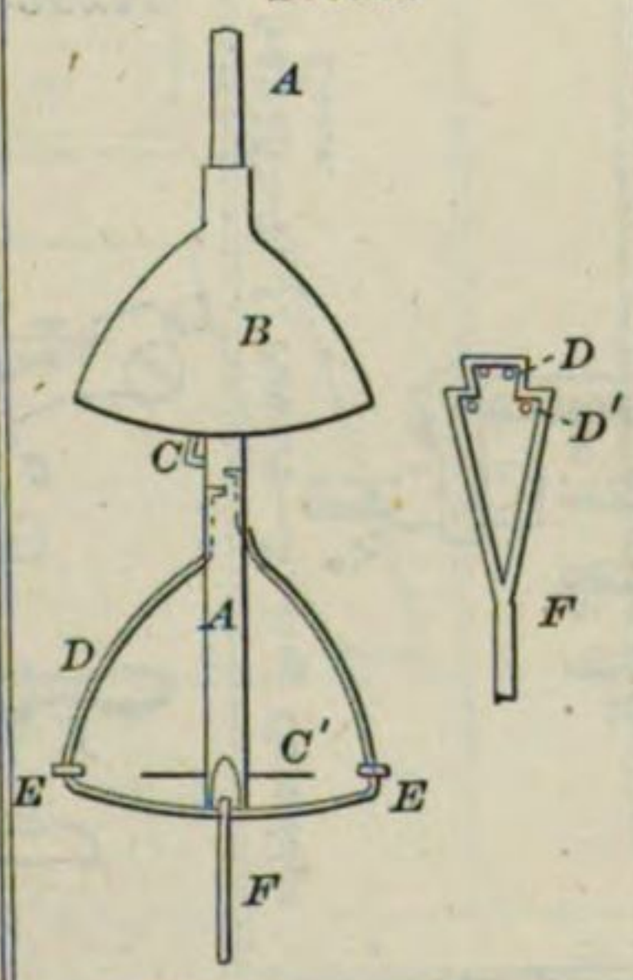
54247 J. N. Dennisson—*Fire Engine and Pump.*



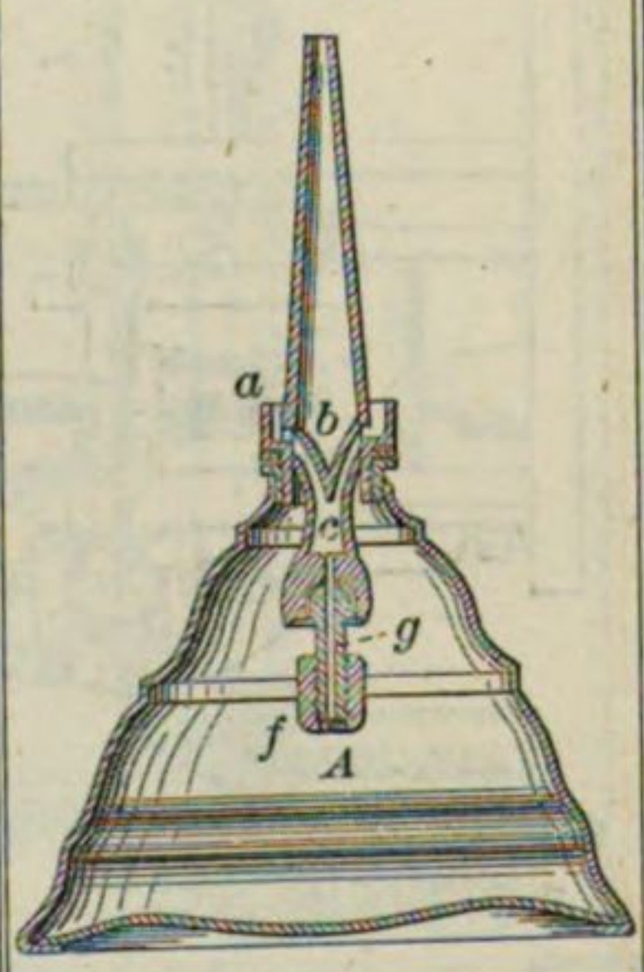
54248—N. P. Eddy—*Machine Drill.*



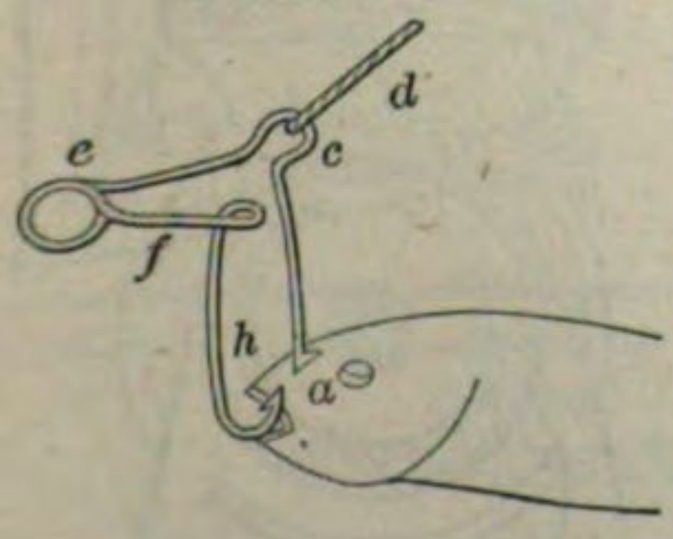
54249—D. P. Farnham—*Broom.*



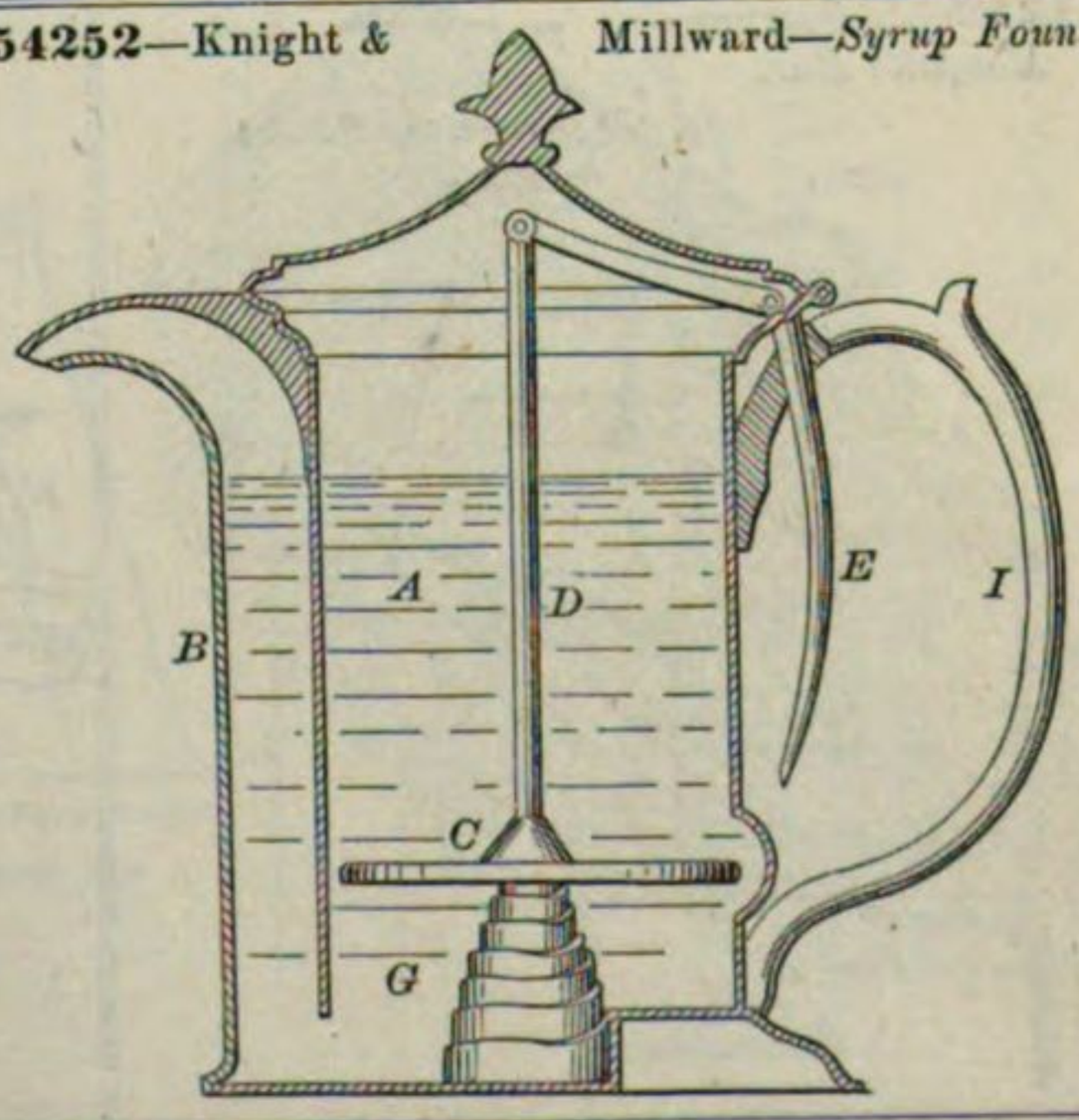
54250—G. L. Holt—*Oil Can.*



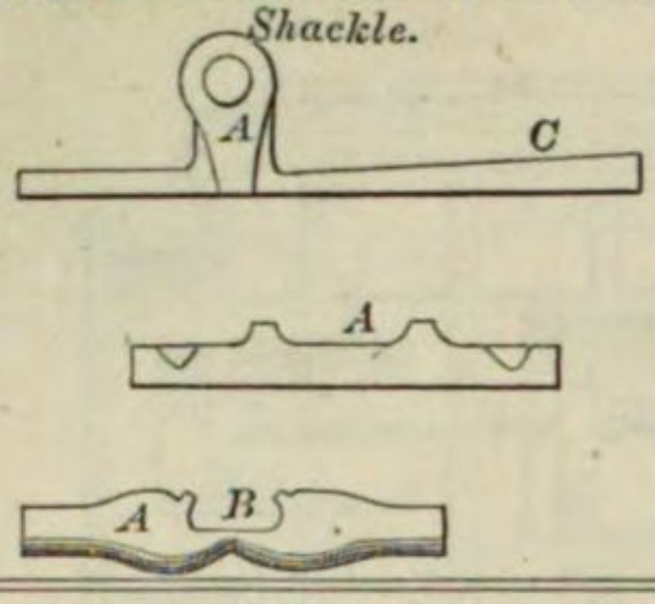
54251—Johnson & Howarth—*Fish Hook.*



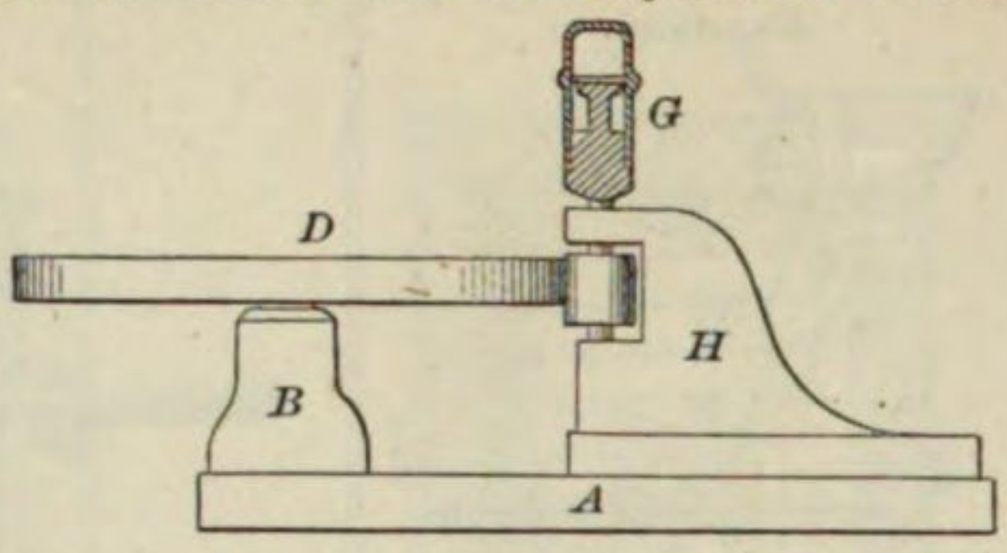
54252—Knight & Millward—*Syrup Fount.*



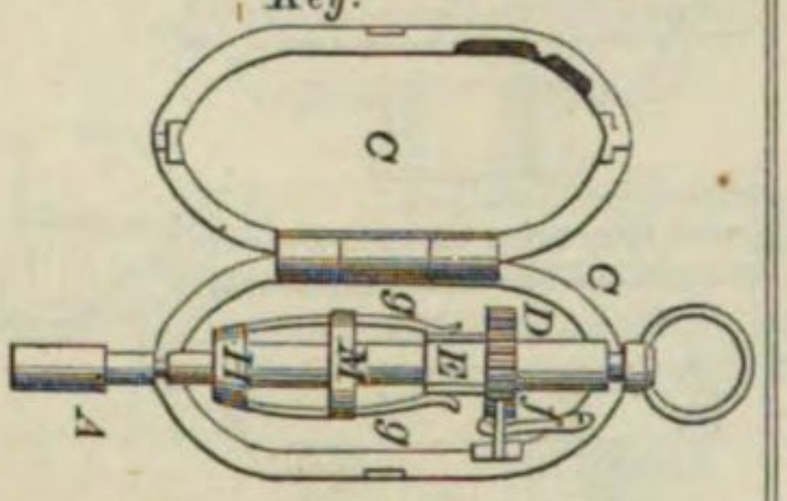
54253—W. W. Knowles—*Carriage Shackle.*



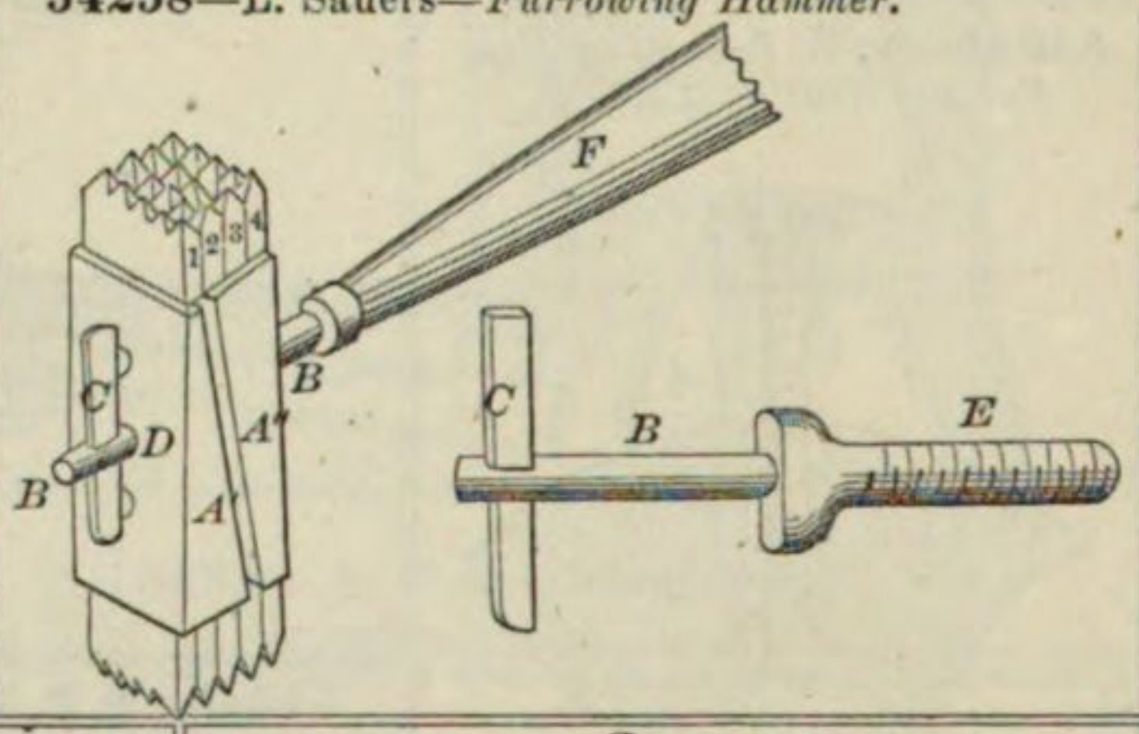
54254—T. J. Powers—*Priming Metallic Cartridges.*



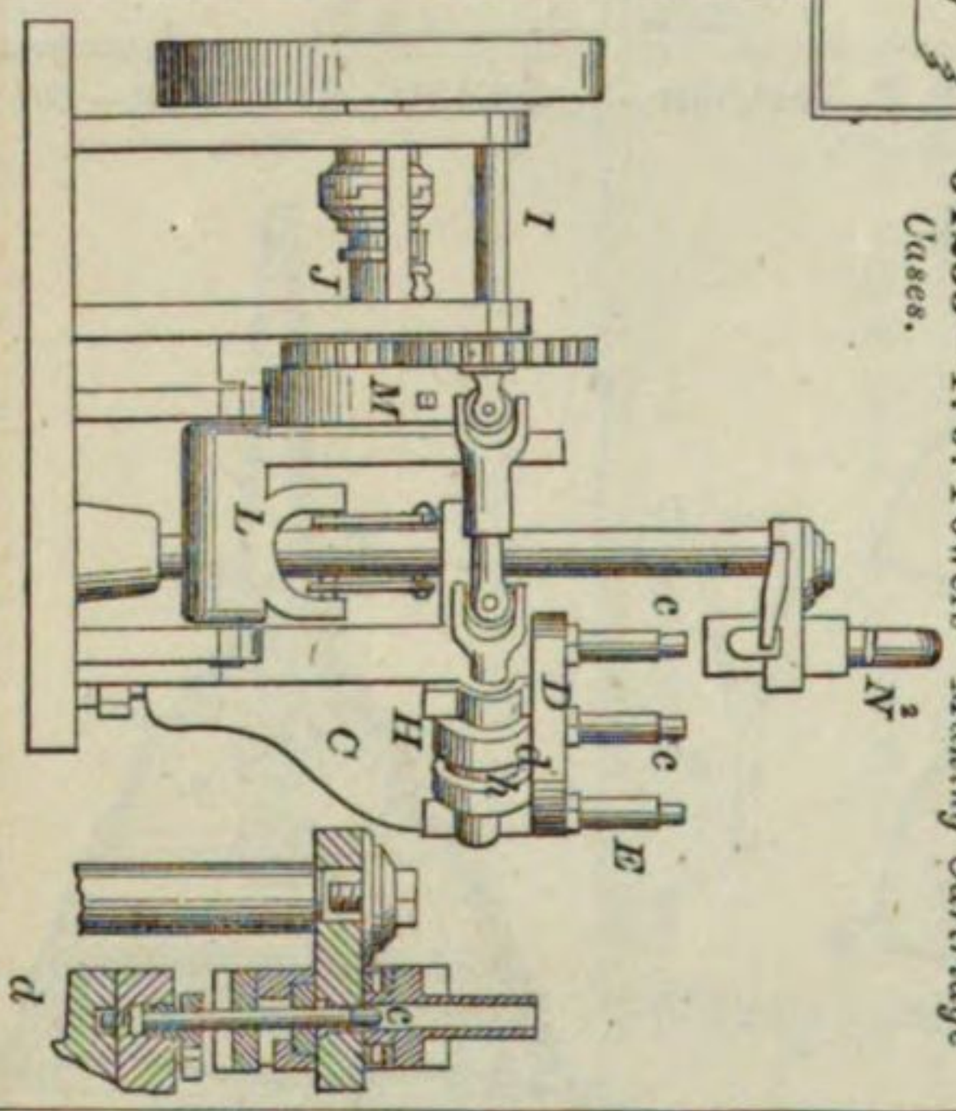
54257—G. W. Remington—*Watch Key.*



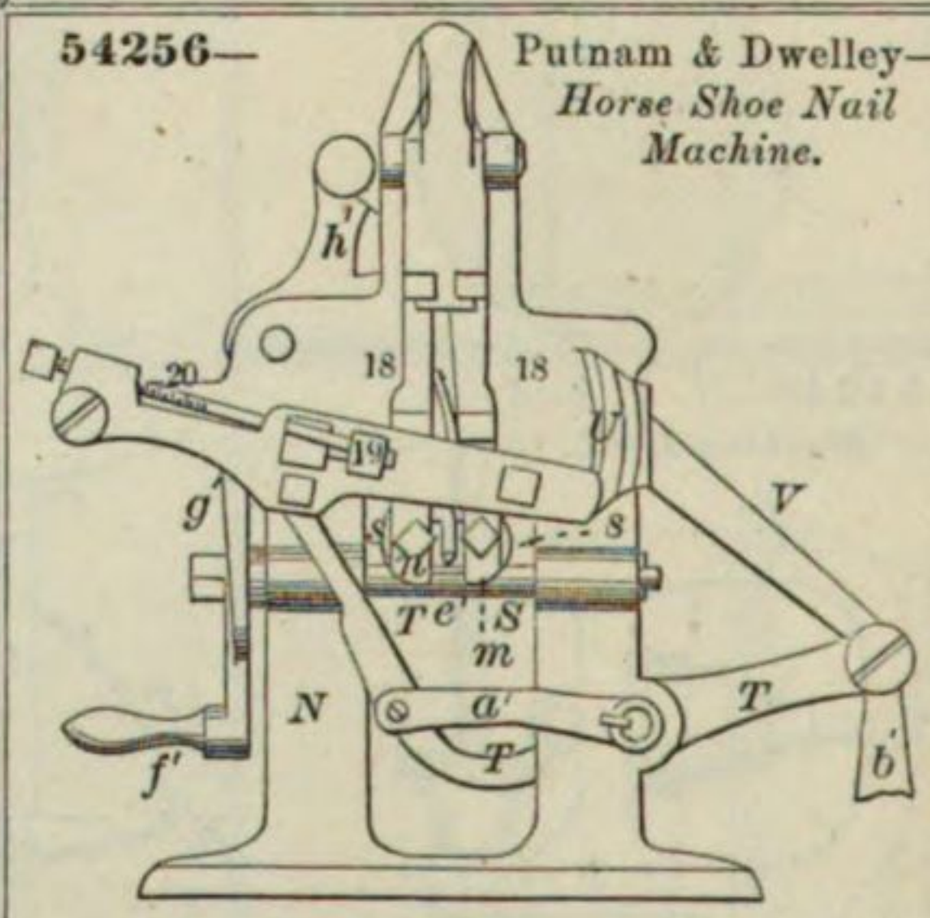
54258—L. Sauers—*Furrowing Hammer.*



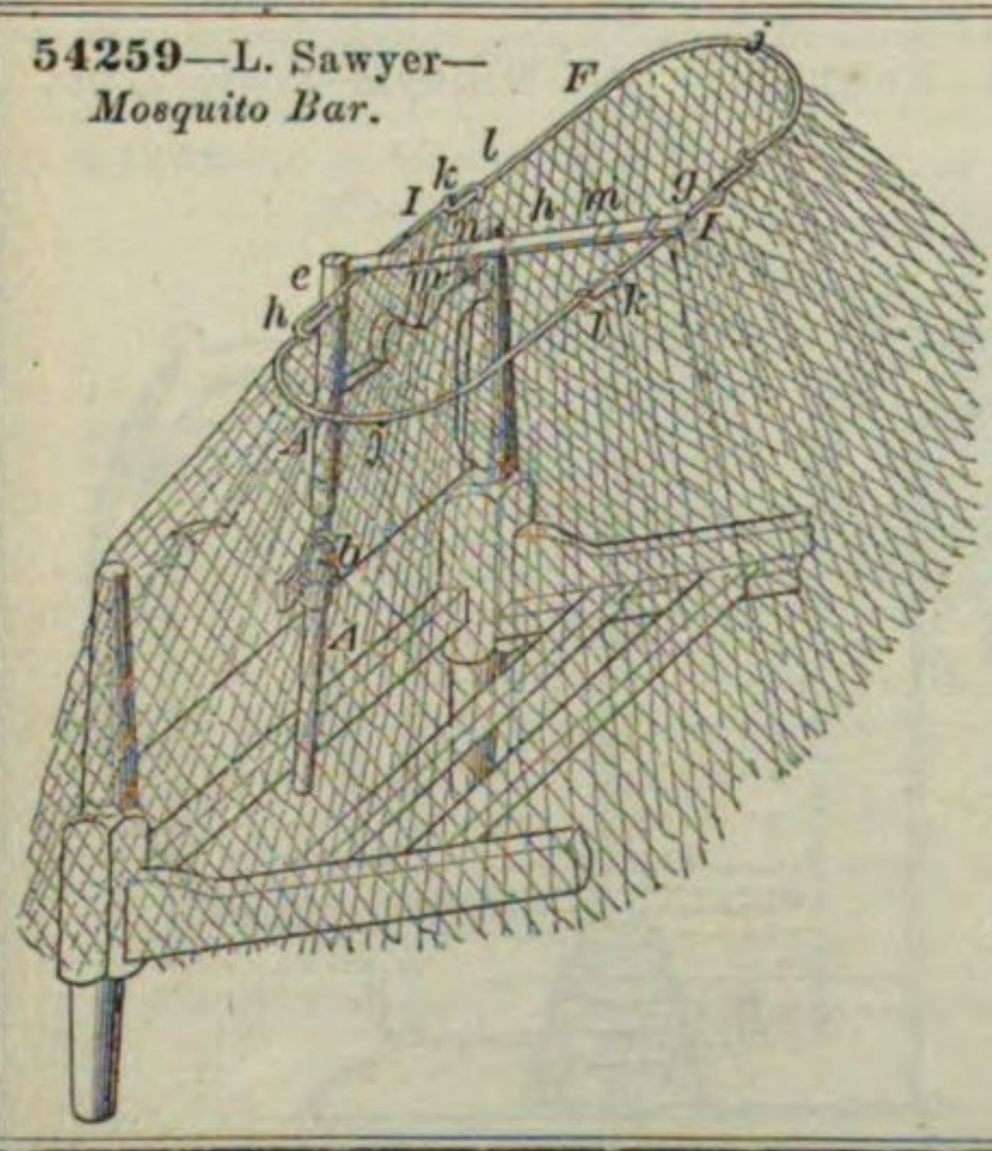
54255—T. J. Powers—*Making Cartridge Cases.*

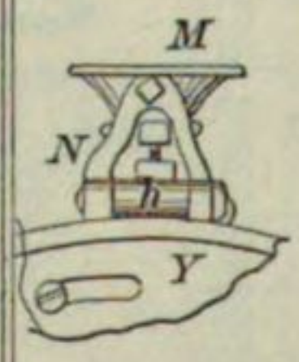


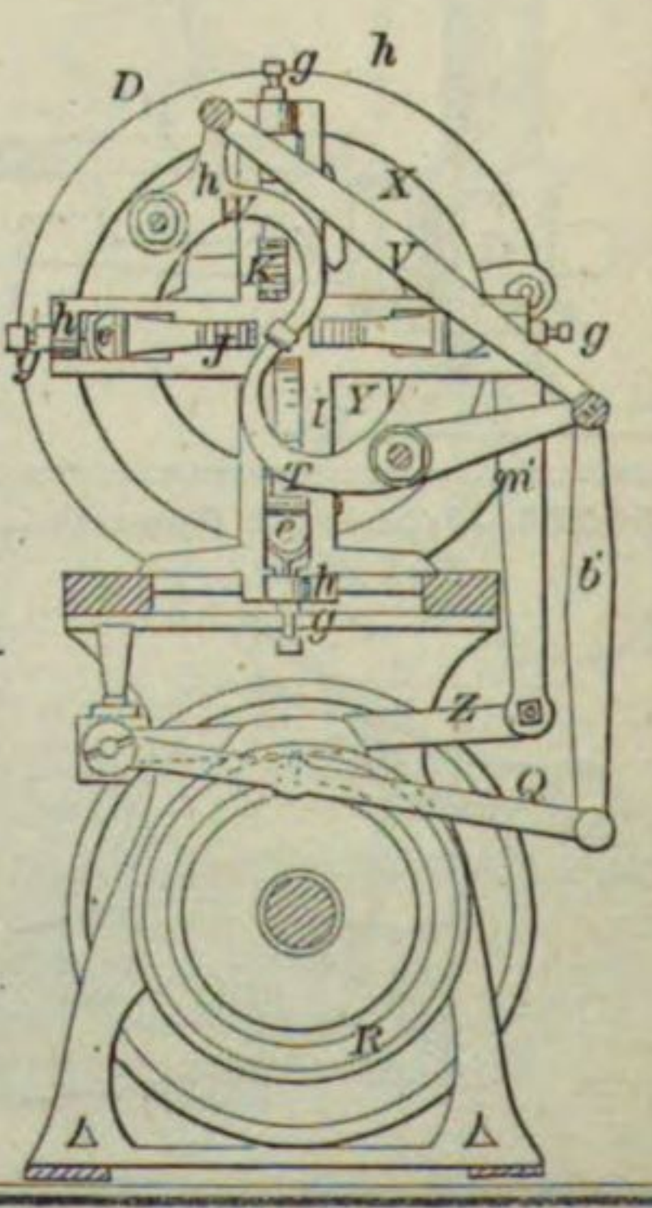
54256—Putnam & Dwelley—*Horse Shoe Nail Machine.*



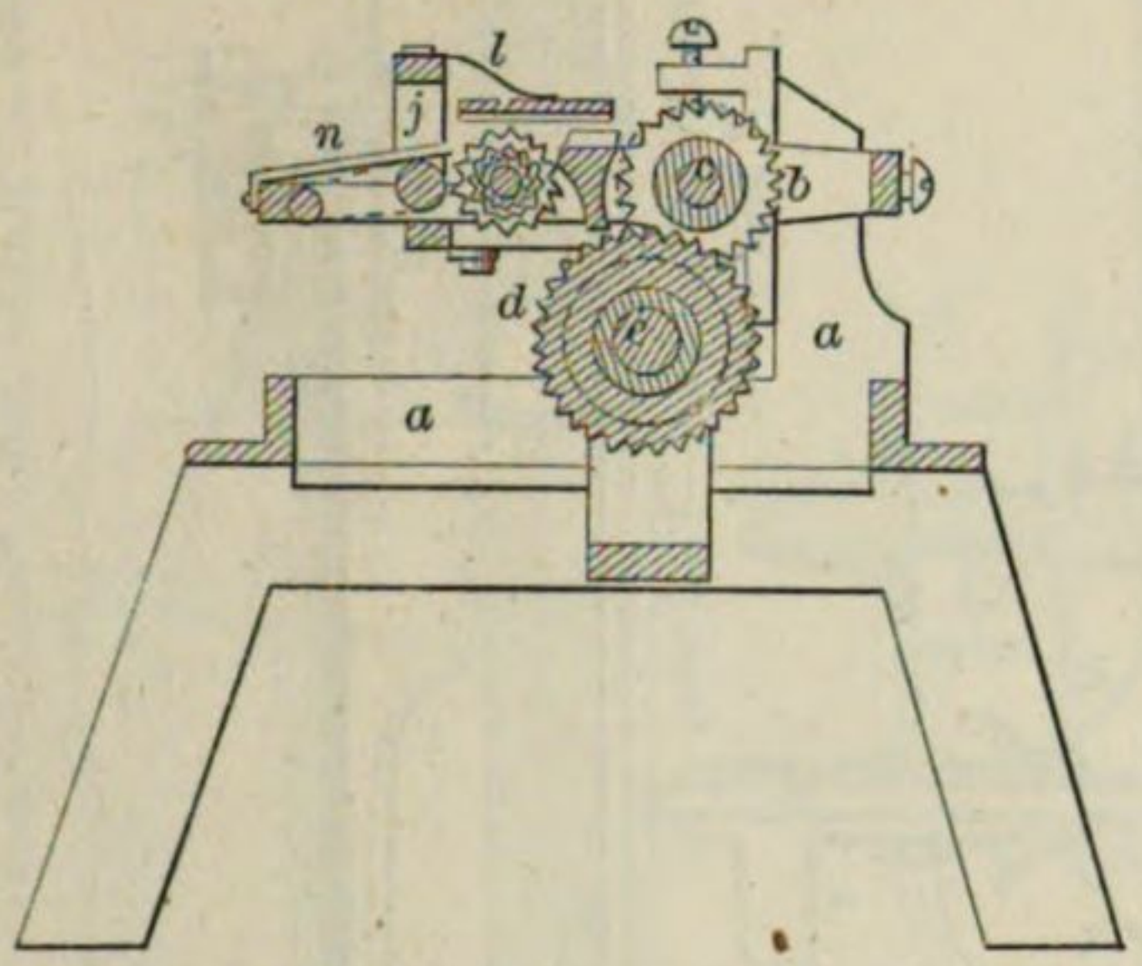
54259—L. Sawyer—*Mosquito Bar.*



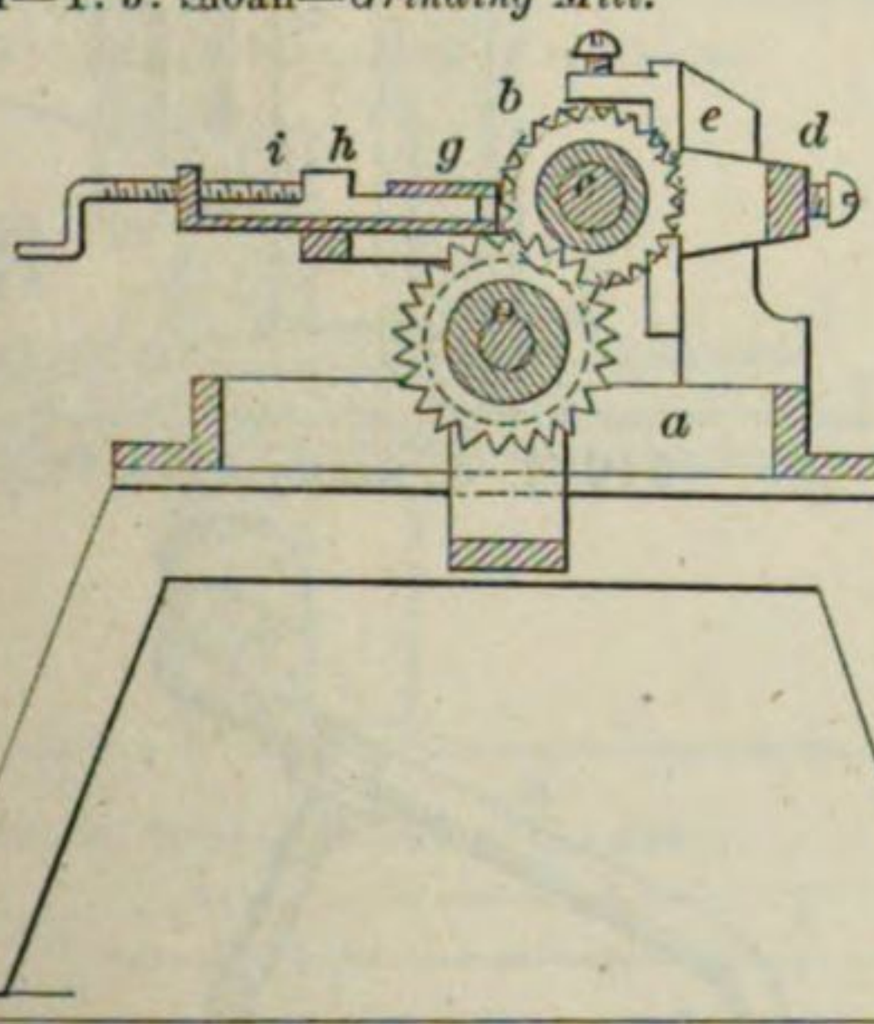




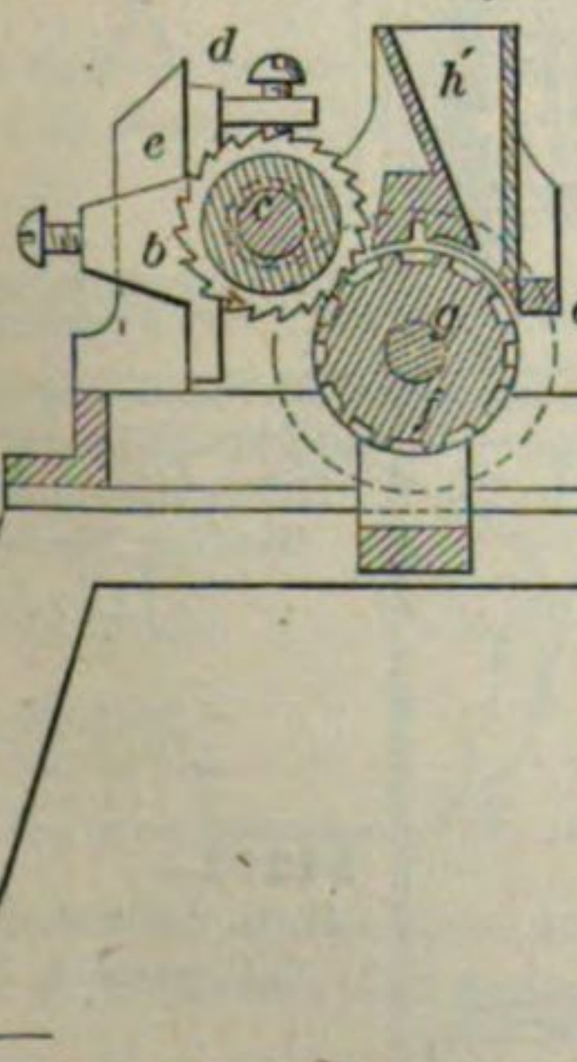
54260—T. J. Sloan—*Grinding Mill.*



54261—T. J. Sloan—*Grinding Mill.*

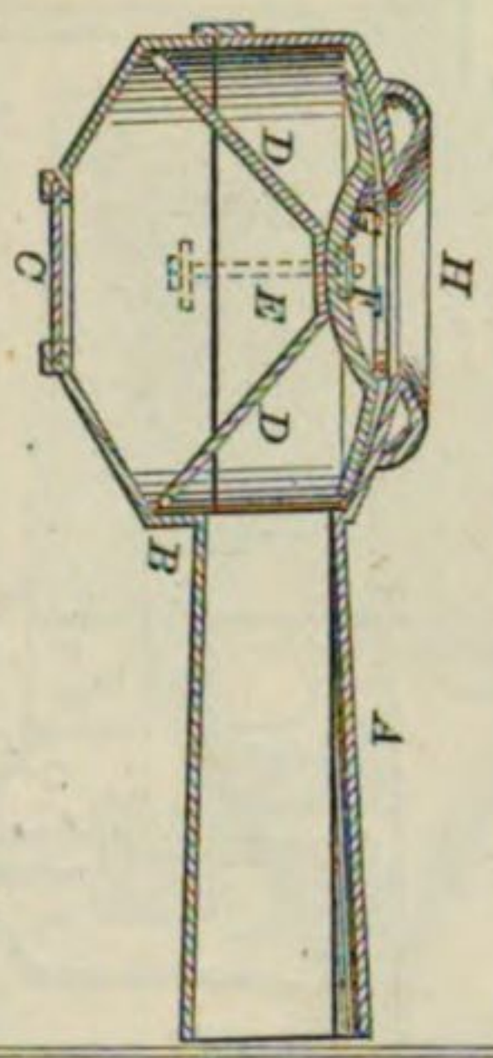


54262—T. J. Sloan—*Grinding Mill.*

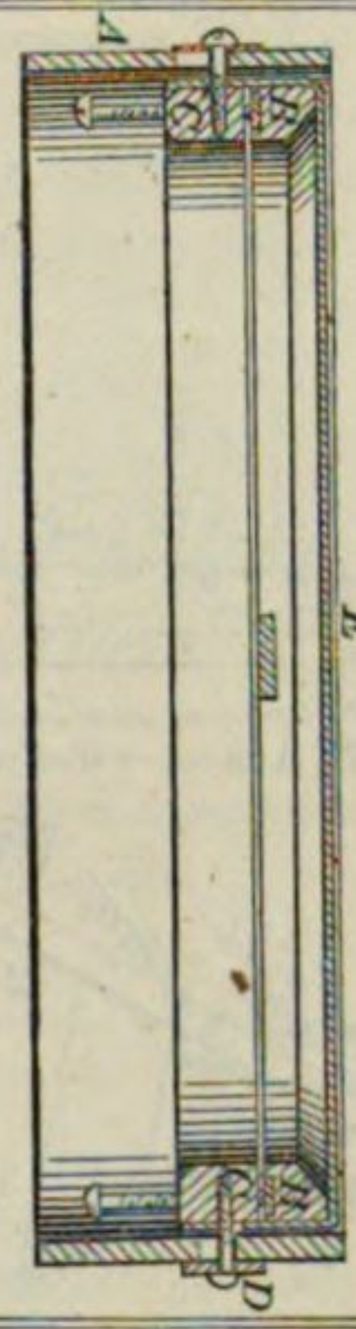


54266—C. H. Wing—*Preparing Magnesium for Burning.*

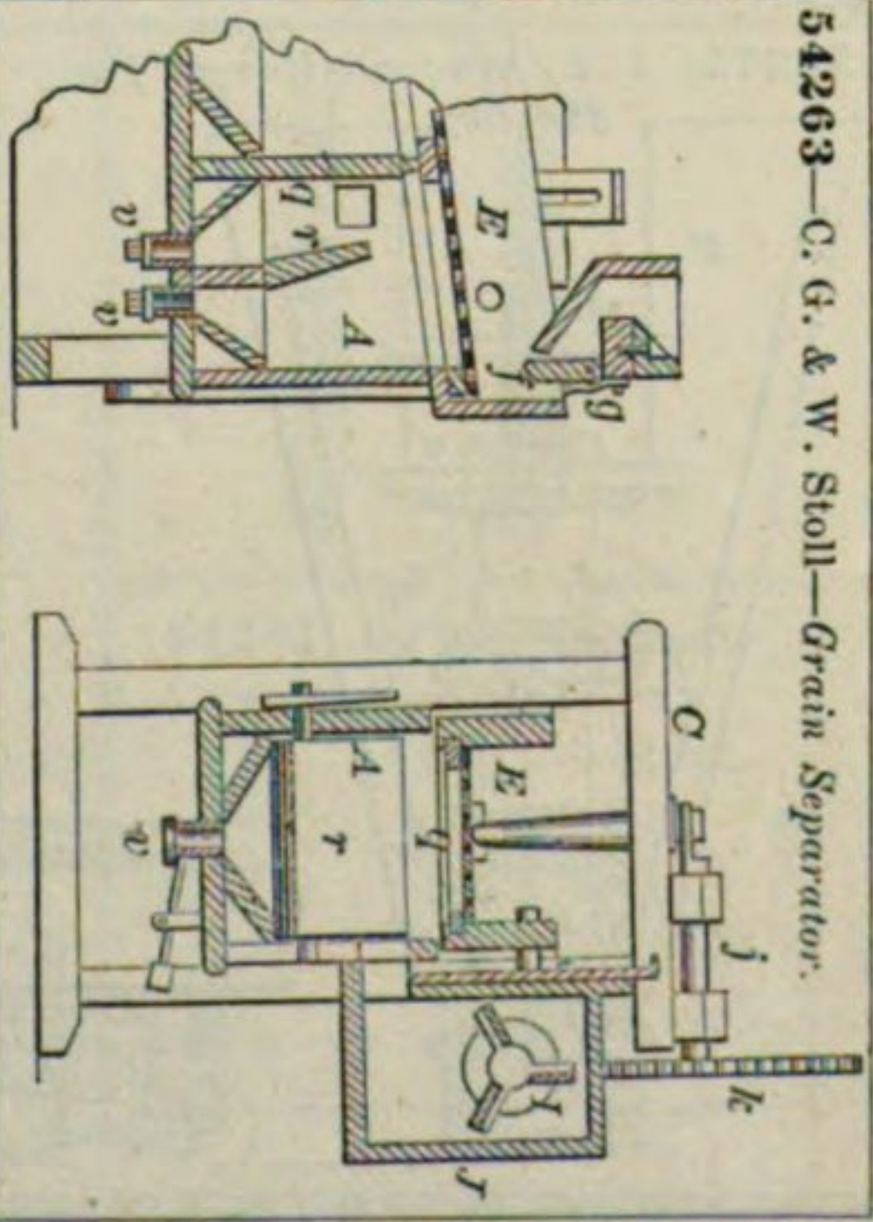
54265—J. M. White—*Tuyere.*



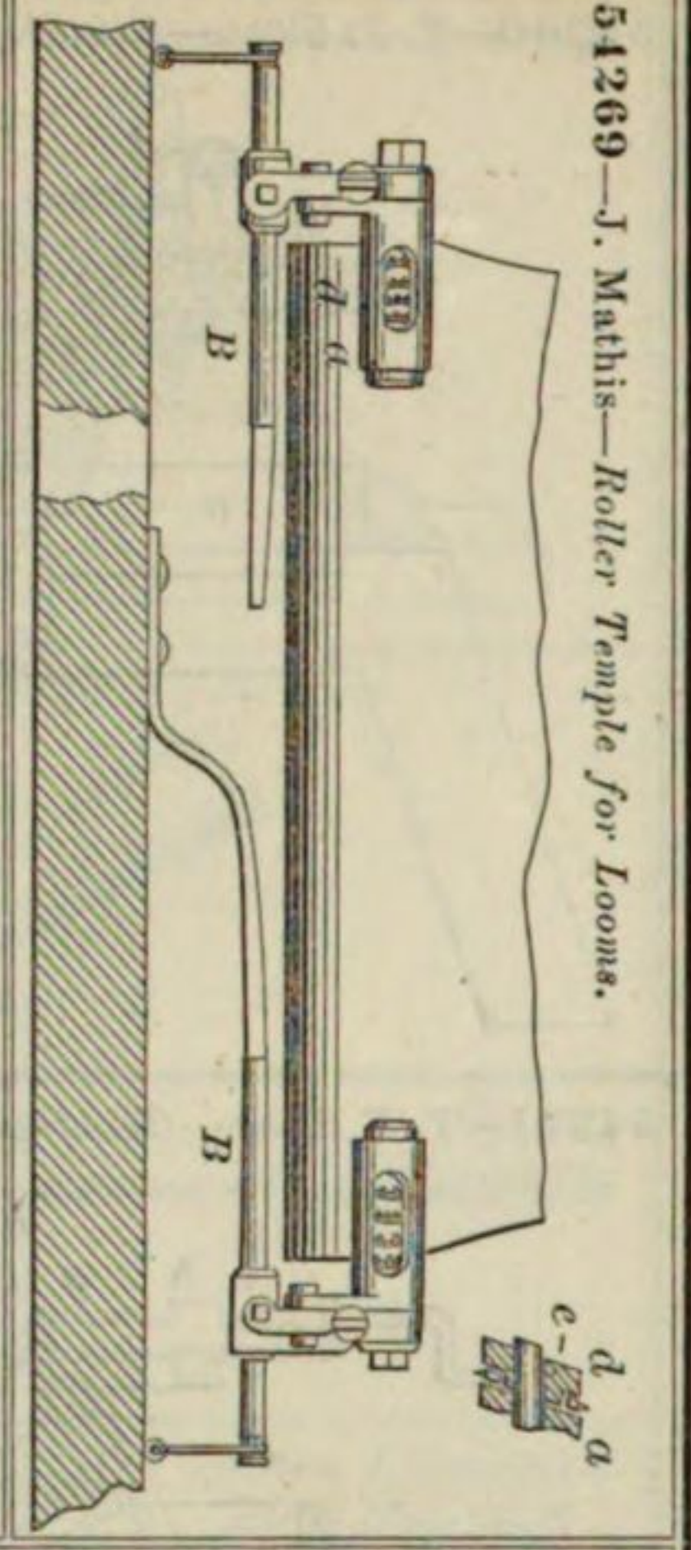
54264—W. B. Tilton—*Banjo.*



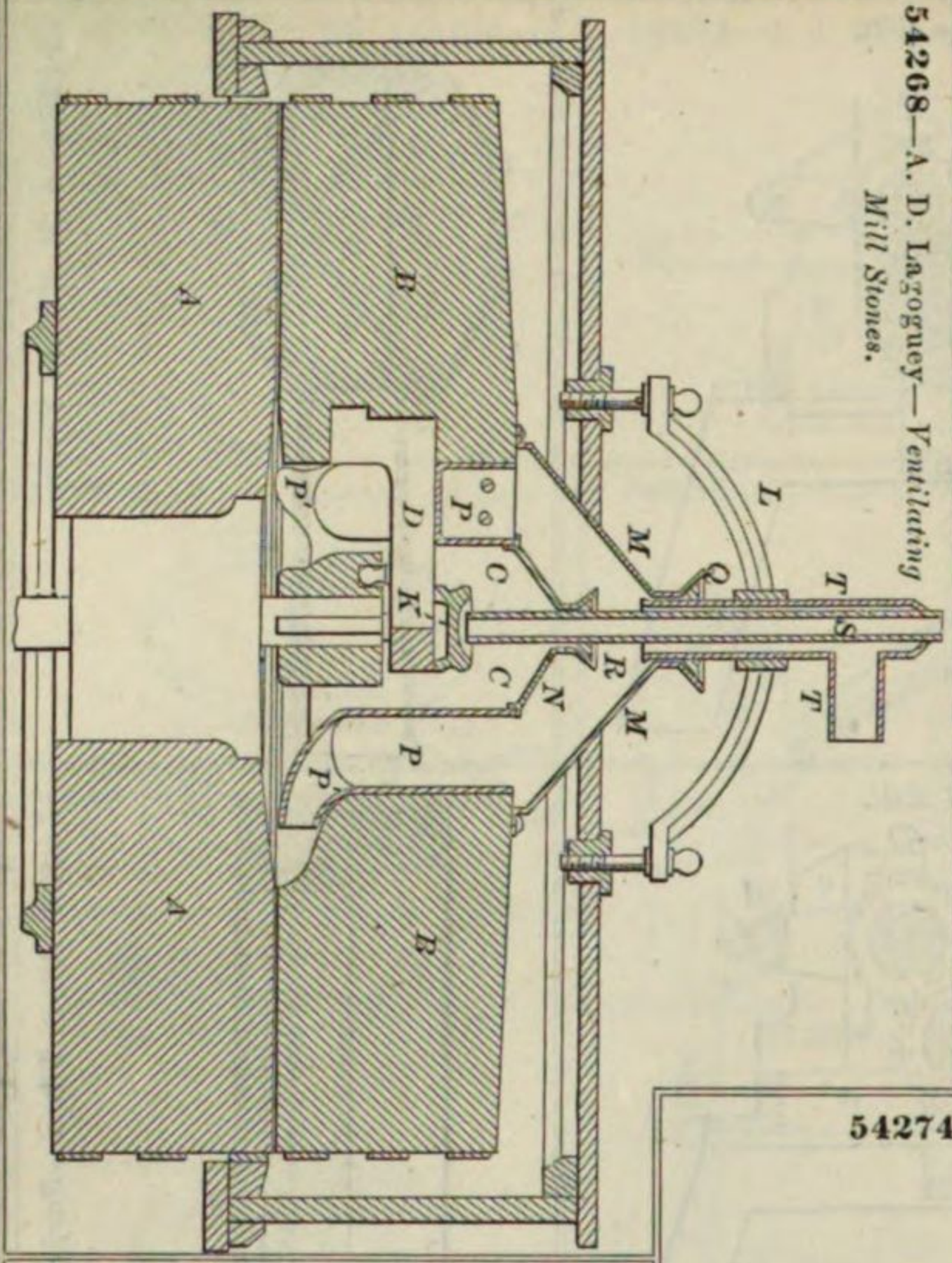
54263—C. G. & W. Stoll—*Grain Separator.*



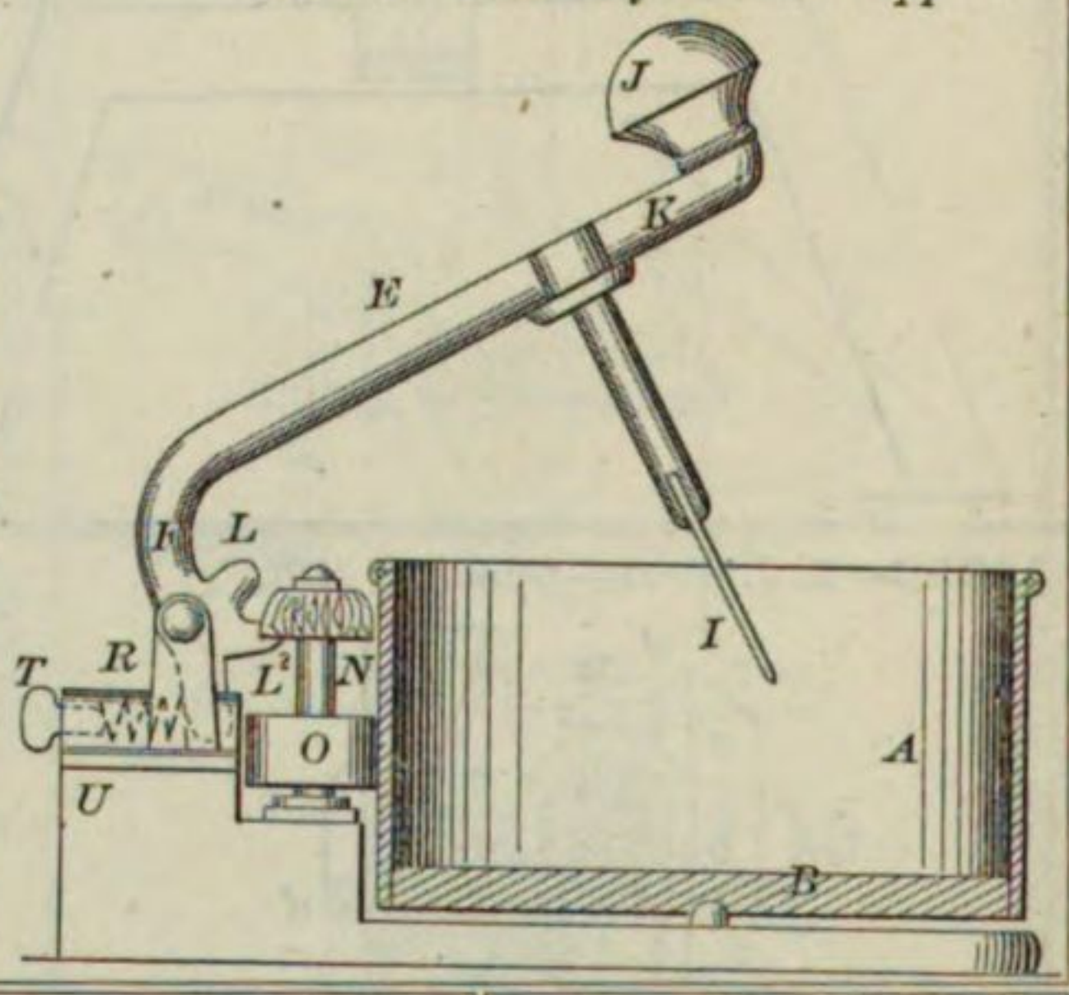
54269—J. Mathis—*Roller Temple for Looms.*



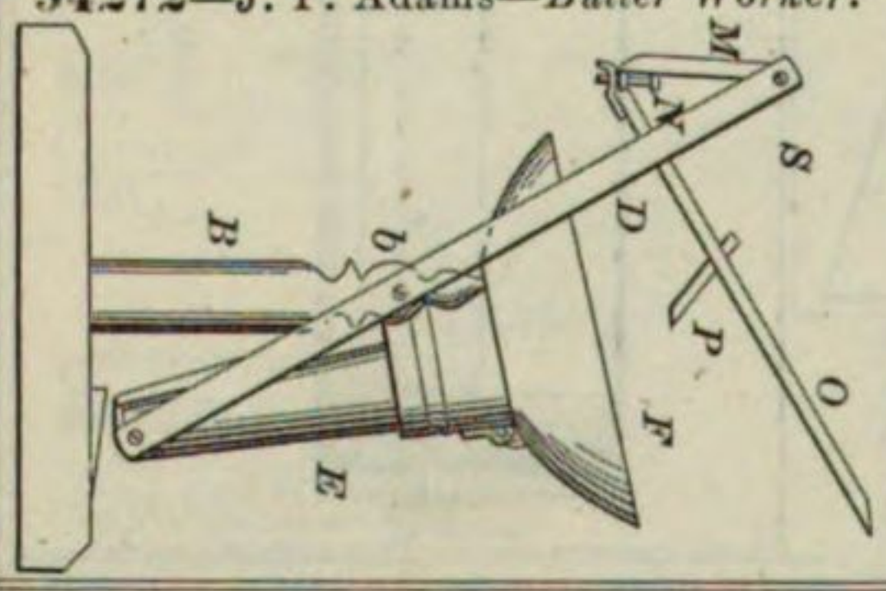
54268—A. D. Lagoguey—*Ventilating Mill Stones.*



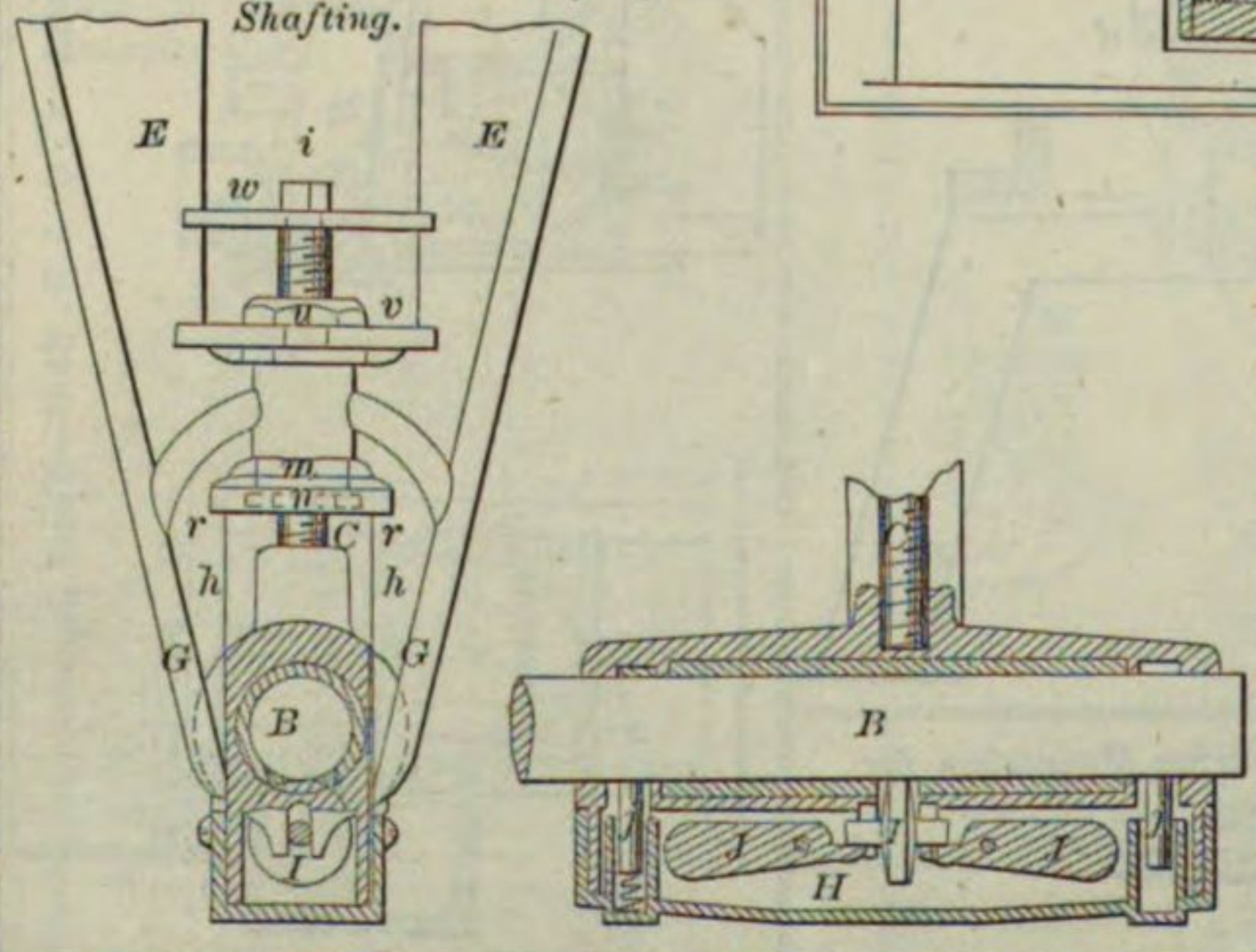
54274—F. Ashley—*Meat Chopper.*



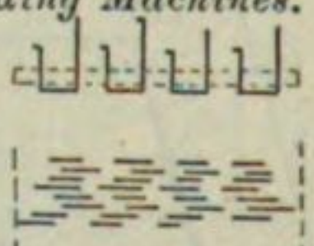
54272—J. P. Adams—*Butter Worker.*



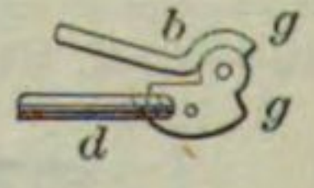
54275—J. E. Atwood—*Hanger for Shafting.*



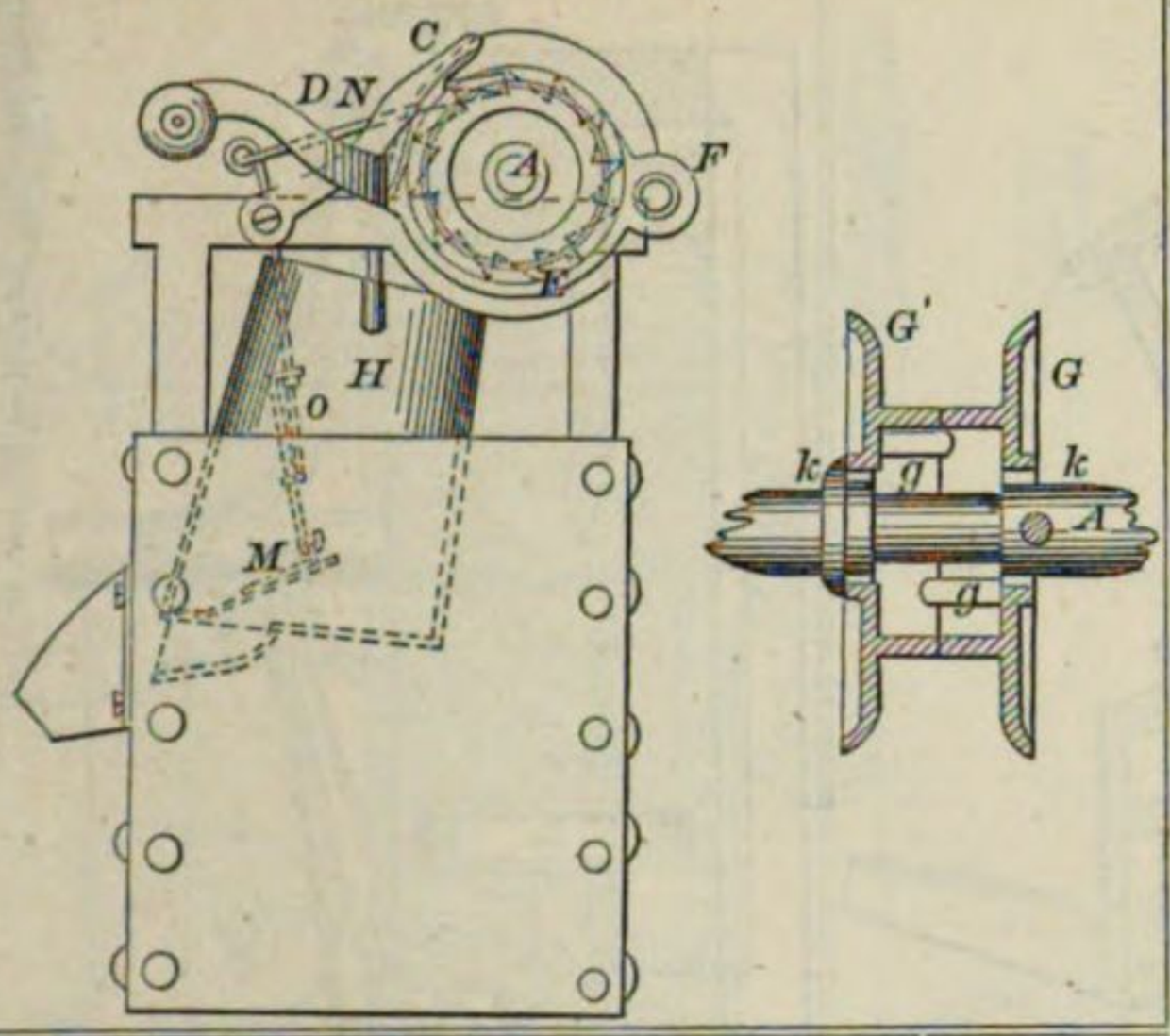
54270—Turner, Shore & Halliwell—*Card for Carding Machines.*



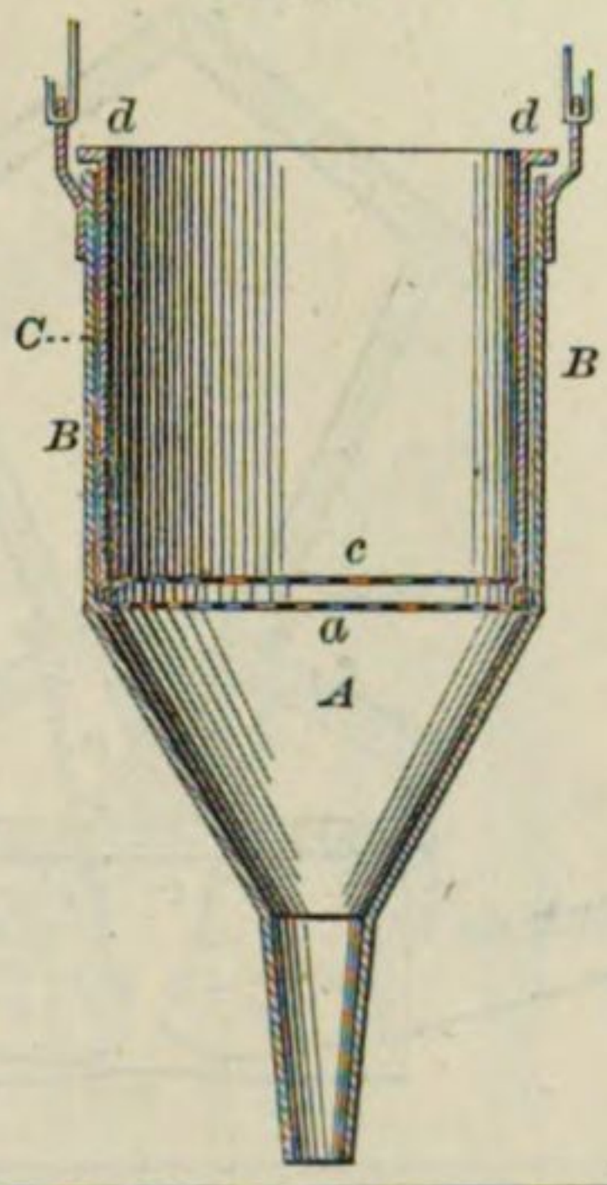
54273—
H. C. Ammidown—*Joint of Spectacle Bows.*



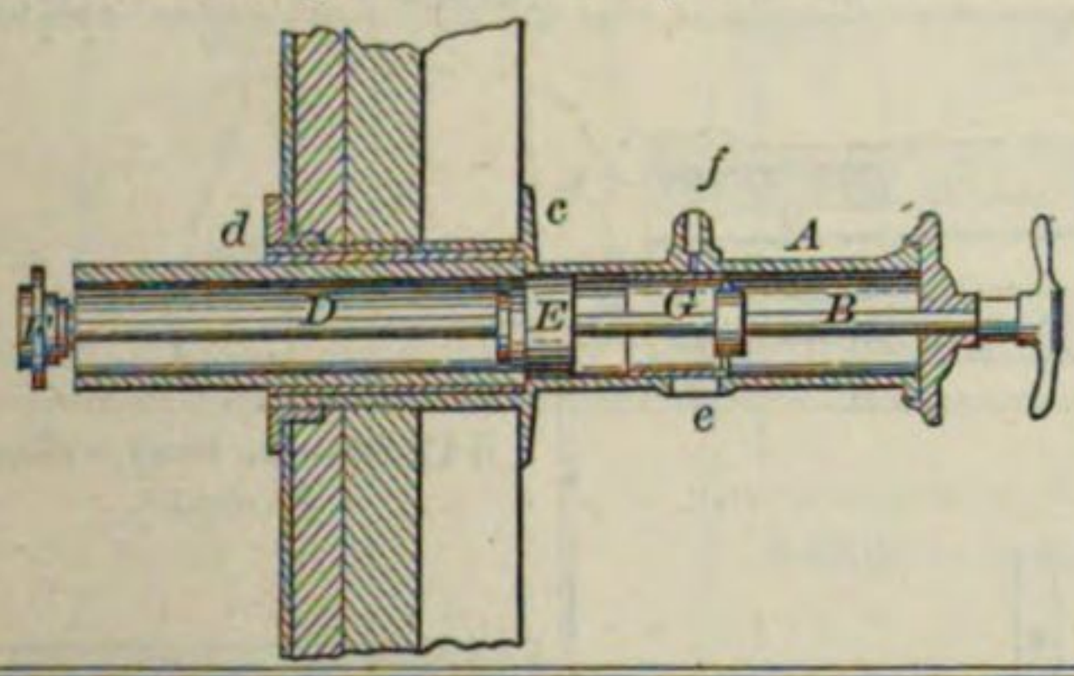
54276—S. L. Avery—*Water Elevator.*



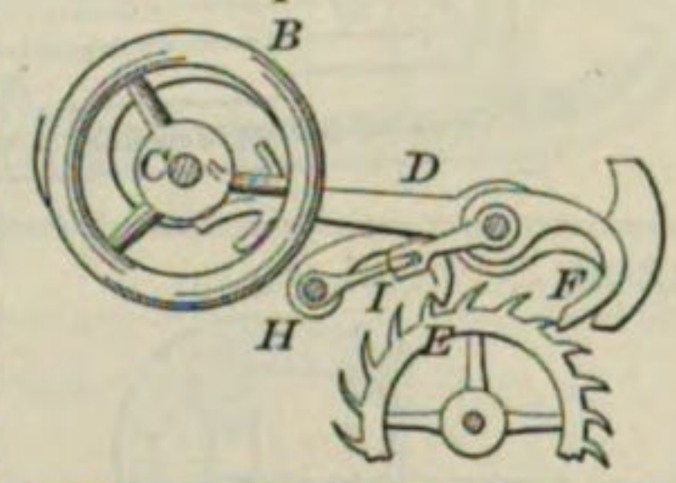
54279—A. Bare—*Sorghum Funnel.*



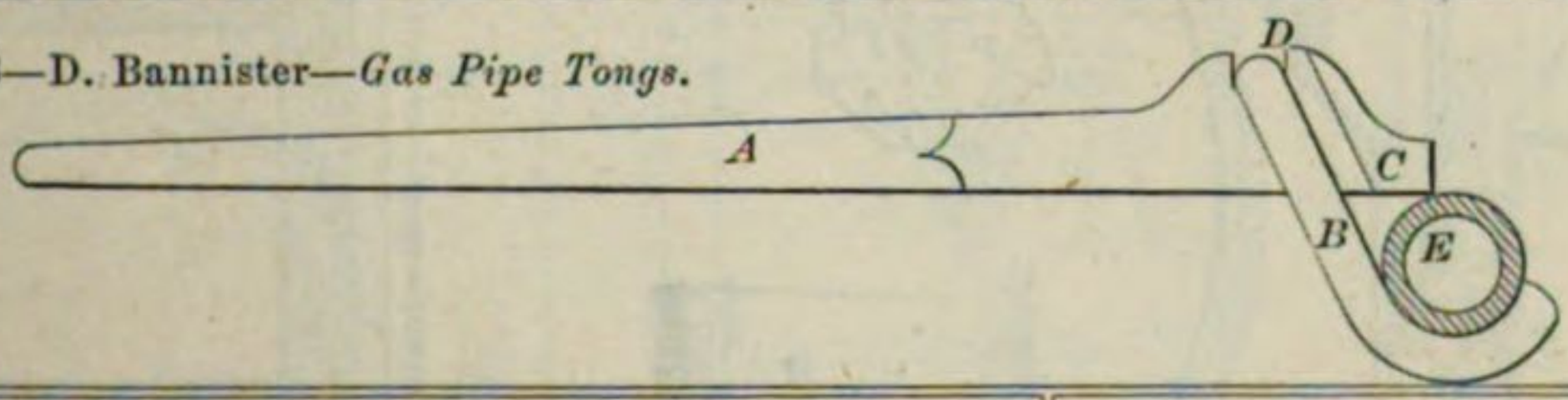
54282—E. Bigelow—*Measuring Faucet.*



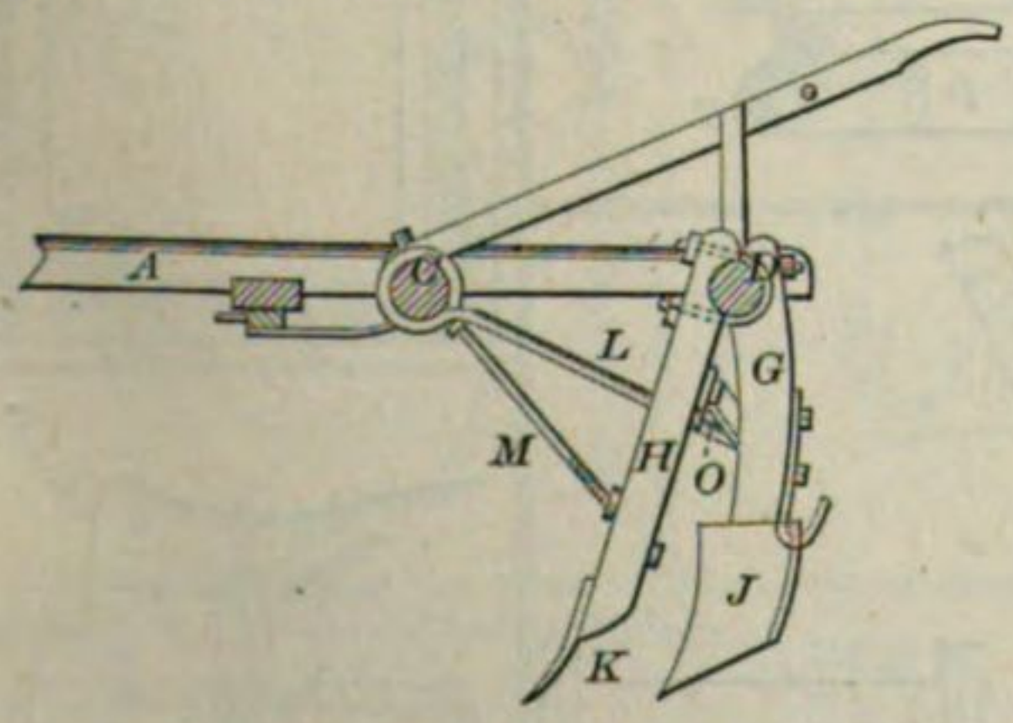
54277—B Bacon—*Clock Escapement.*



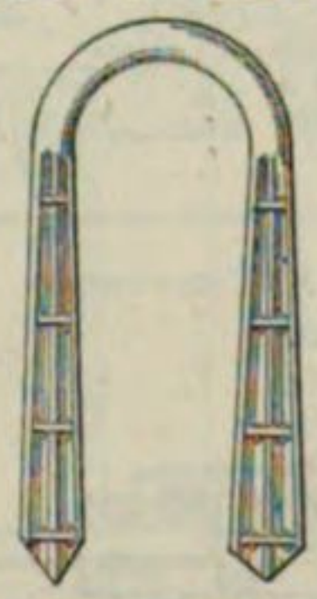
54278—D. Bannister—*Gas Pipe Tongs.*



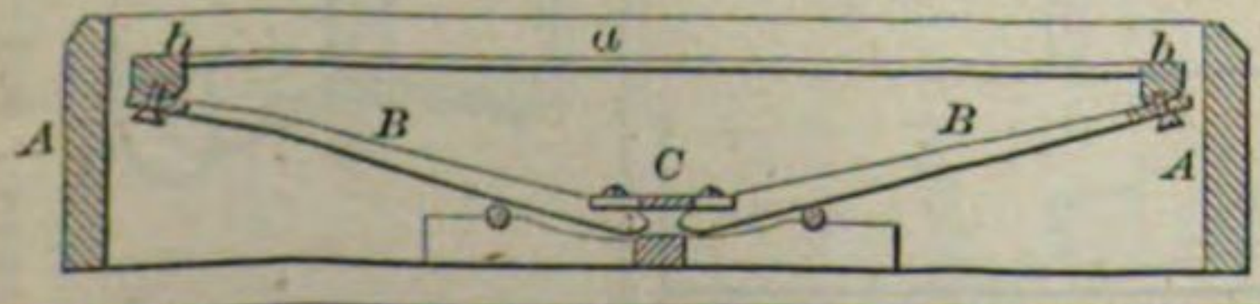
54280—H. Barnes—*Cultivator.*



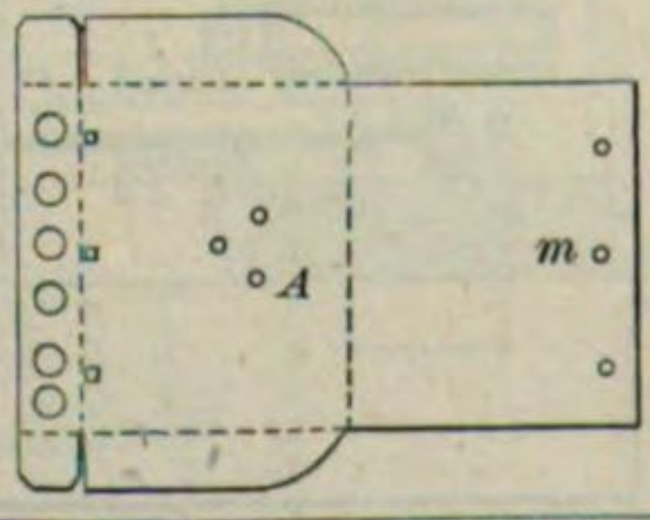
54283—B. Boardman—*Staple.*



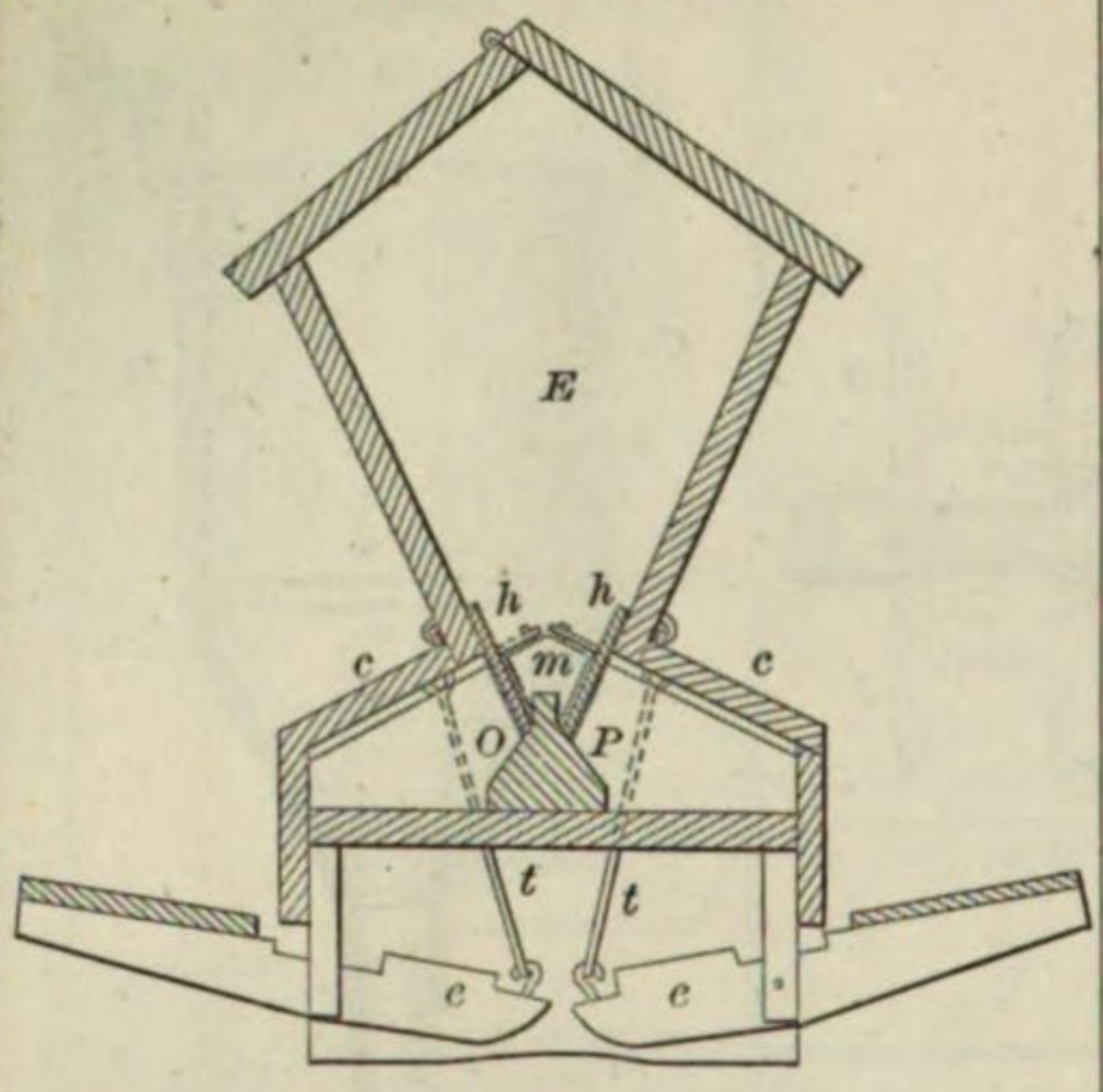
54281—S. W. Beach—*Bed Bottom.*



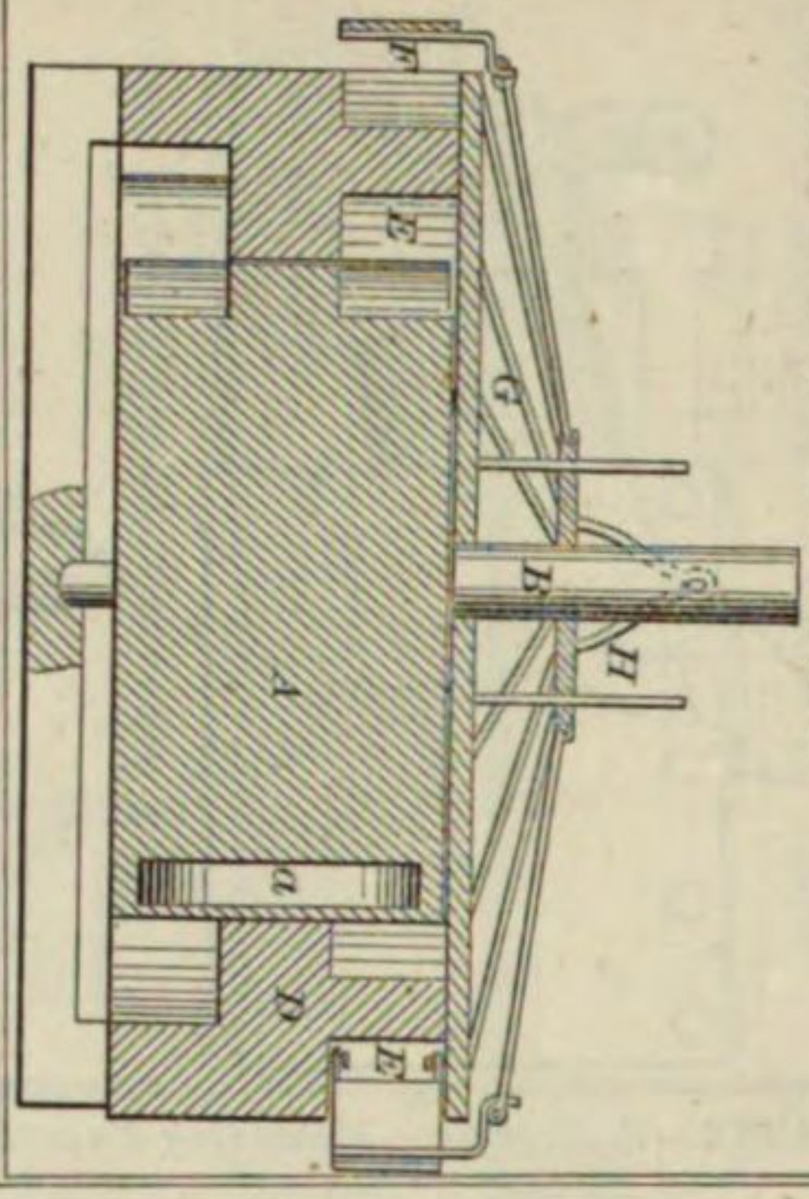
54284—J. Boggs—*Brush.*



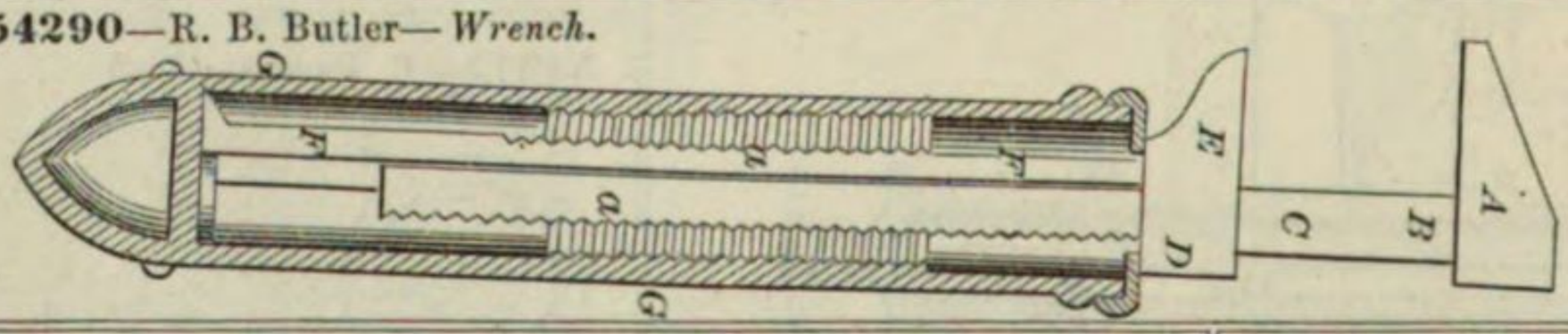
54285—G. W. Boynton—*Sheep Rack.*



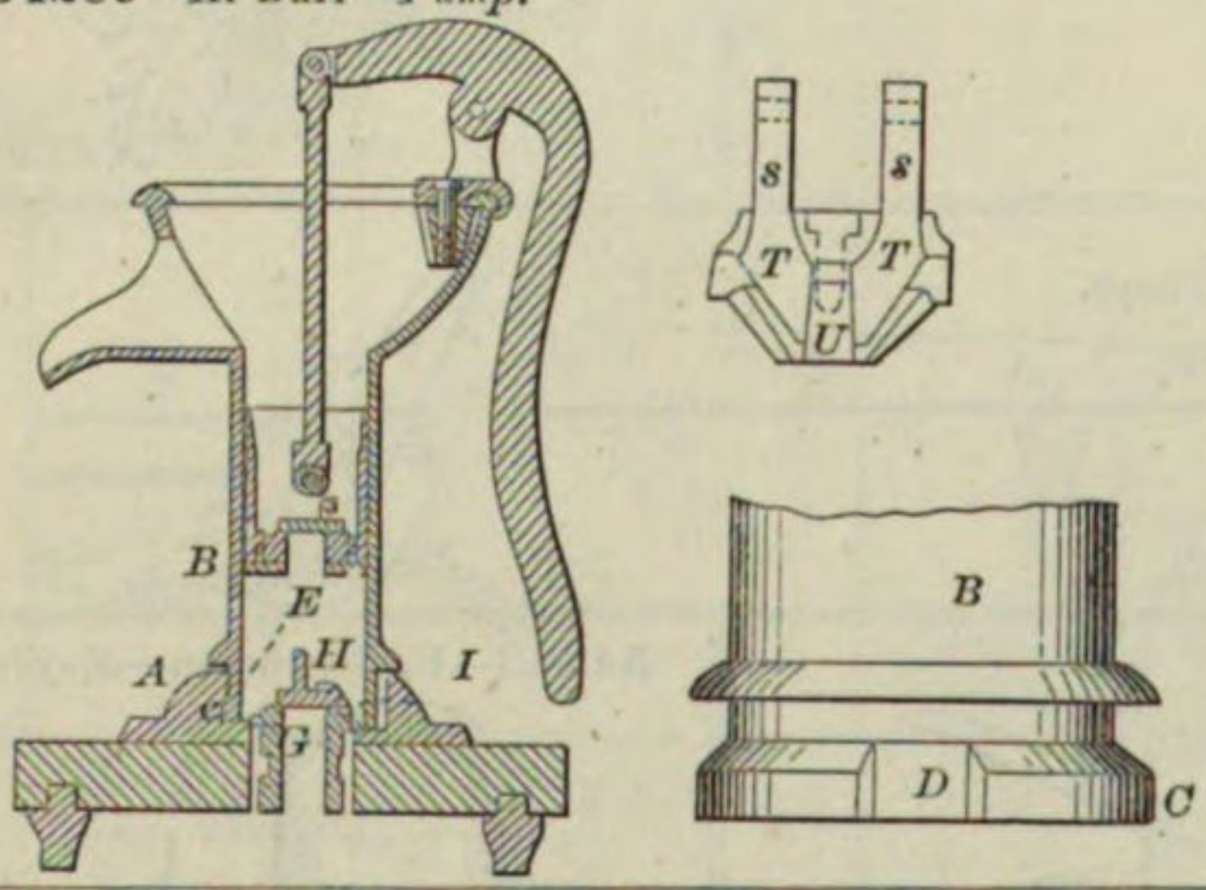
54288—H. Brown—*Water Wheel.*



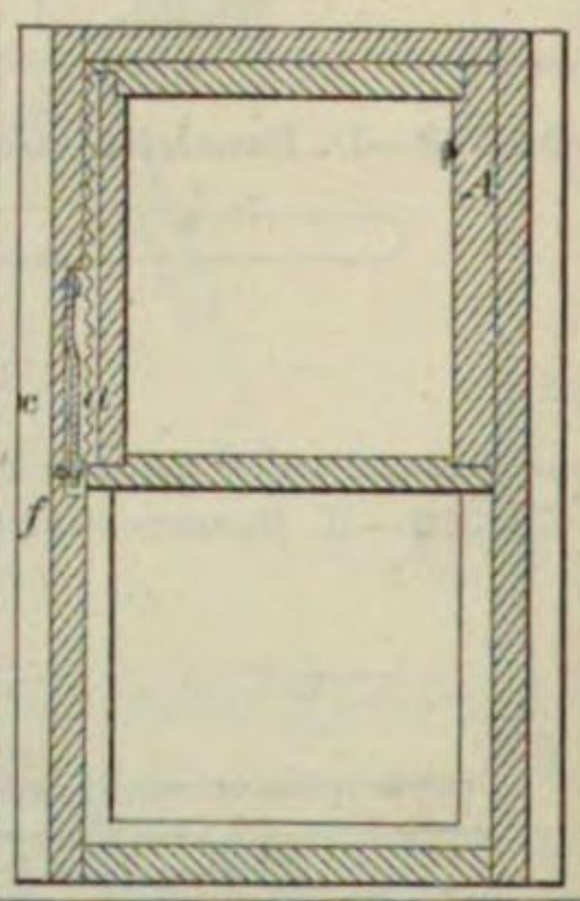
54290—R. B. Butler—*Wrench.*



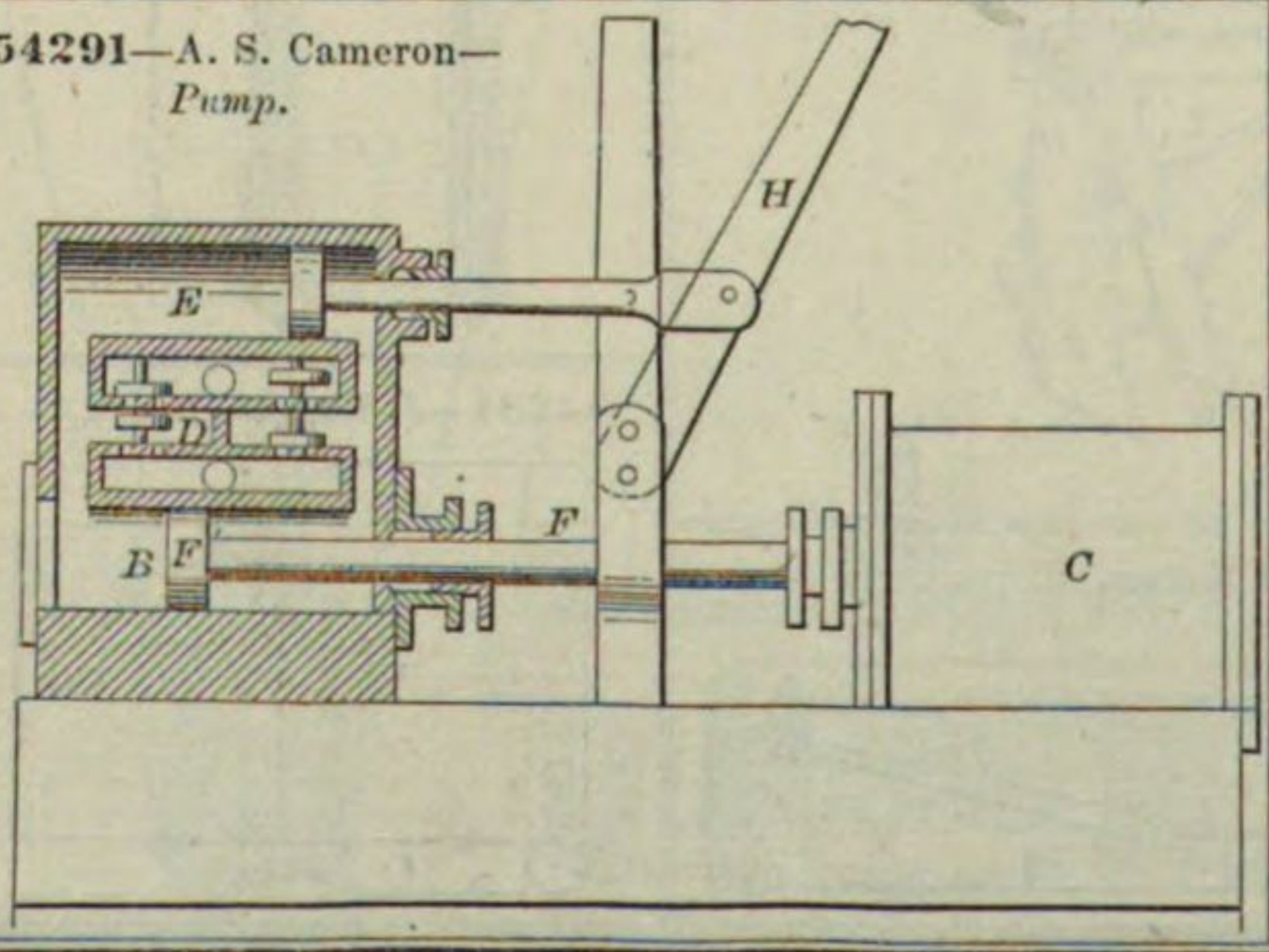
54289—A. Burr—*Pump.*



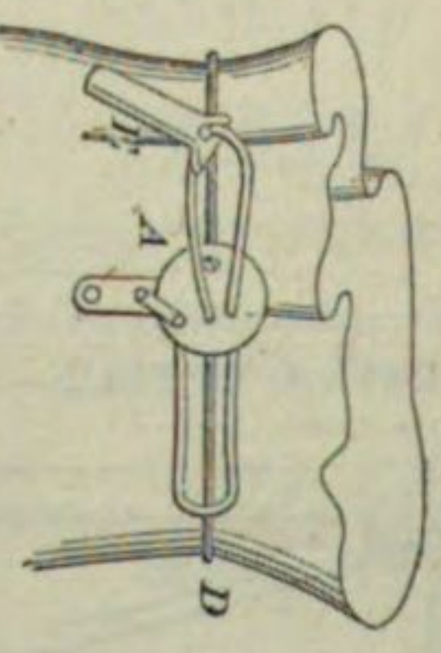
54286—B. Bray—*Sash Fastener.*



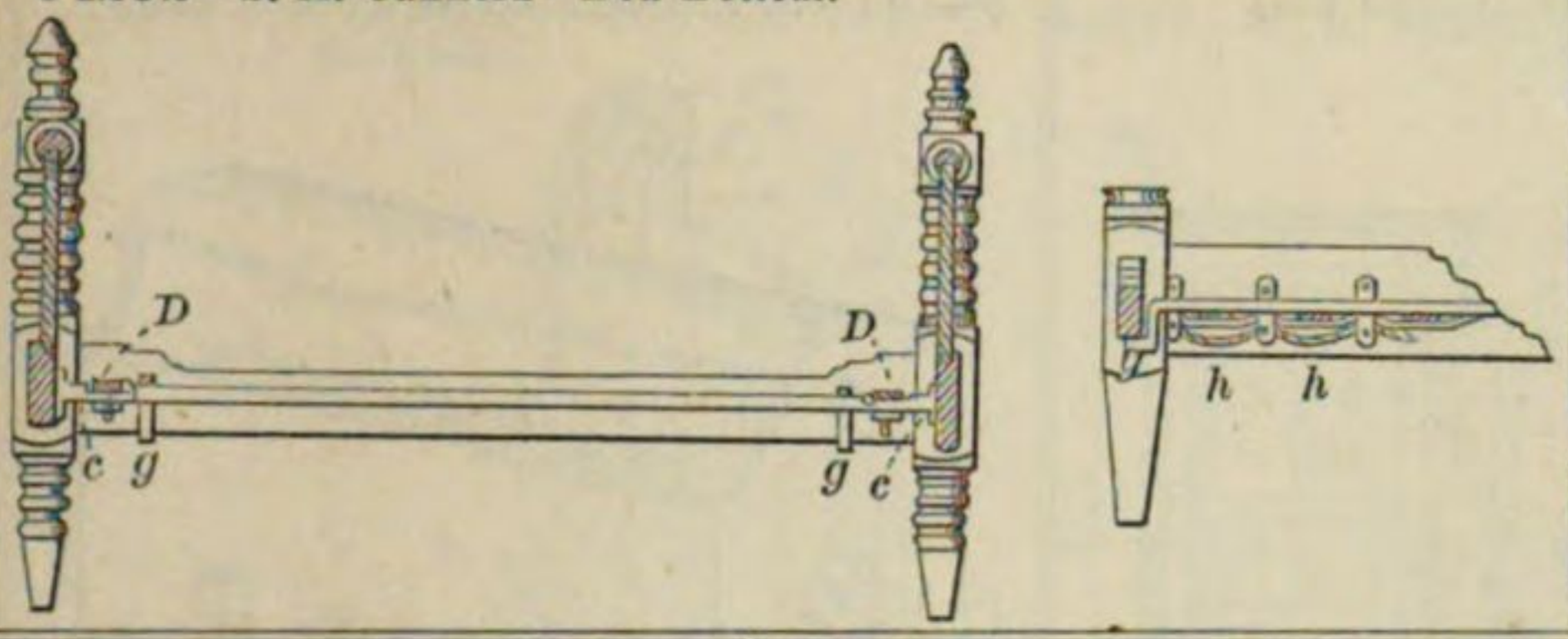
54291—A. S. Cameron—*Pump.*



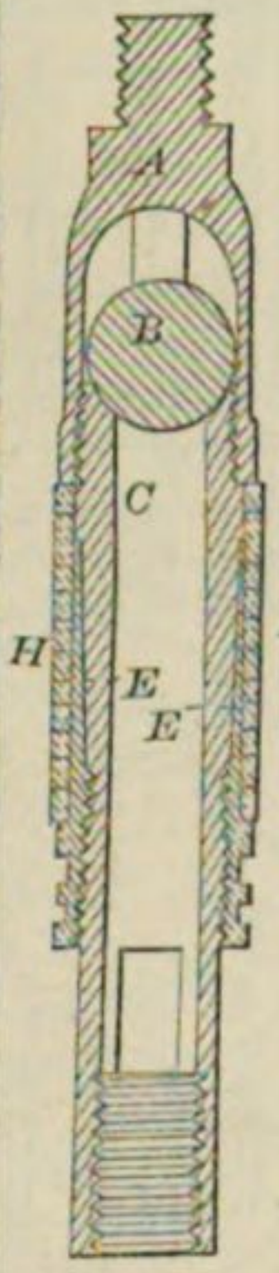
54287—W. P. Brooks—*Bag Fastener.*



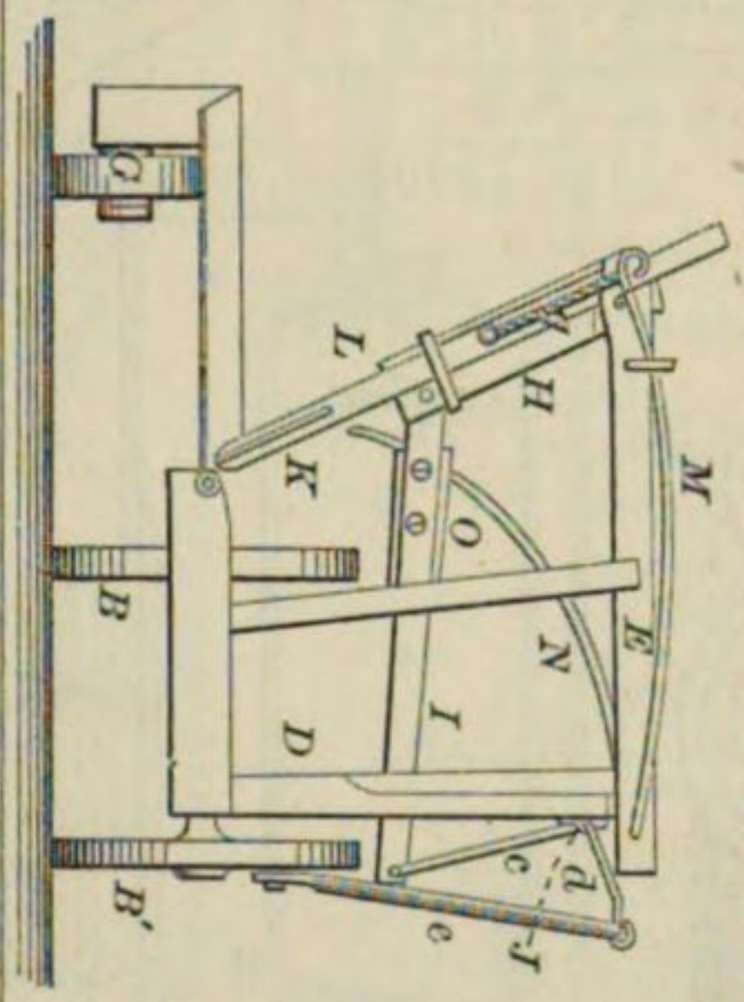
54292—S. A. Canfield—*Bed Bottom.*



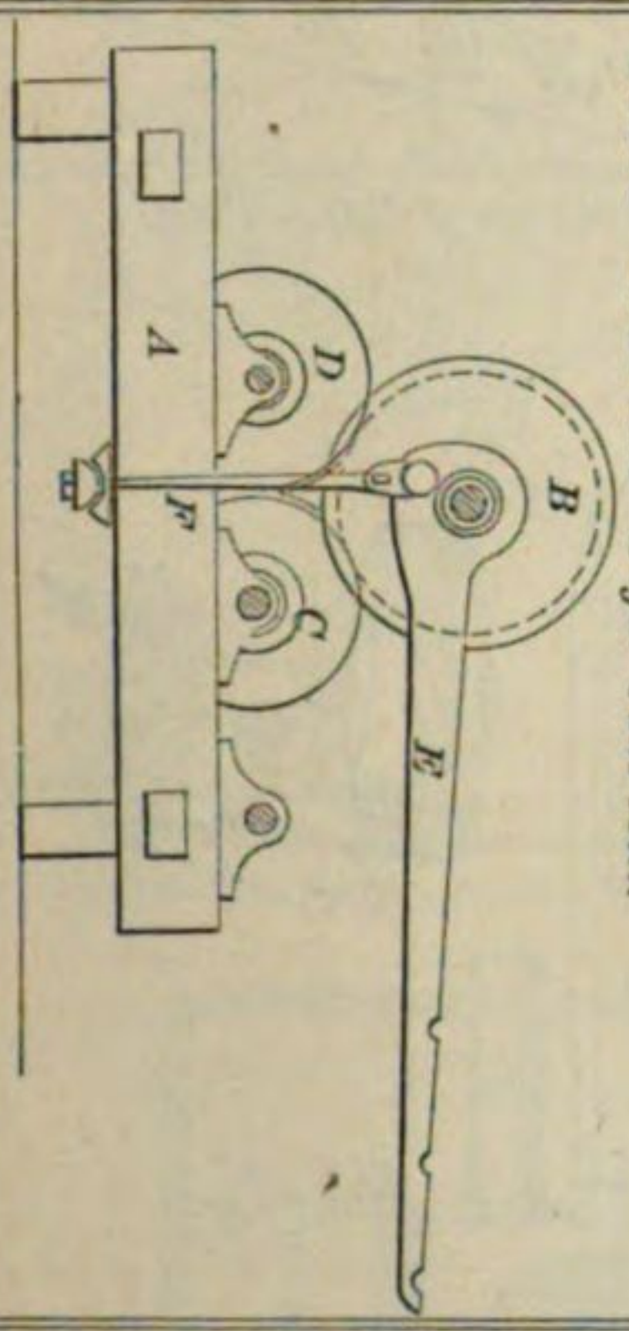
54295—J. Carter—*Packing for Pump Pistons.*



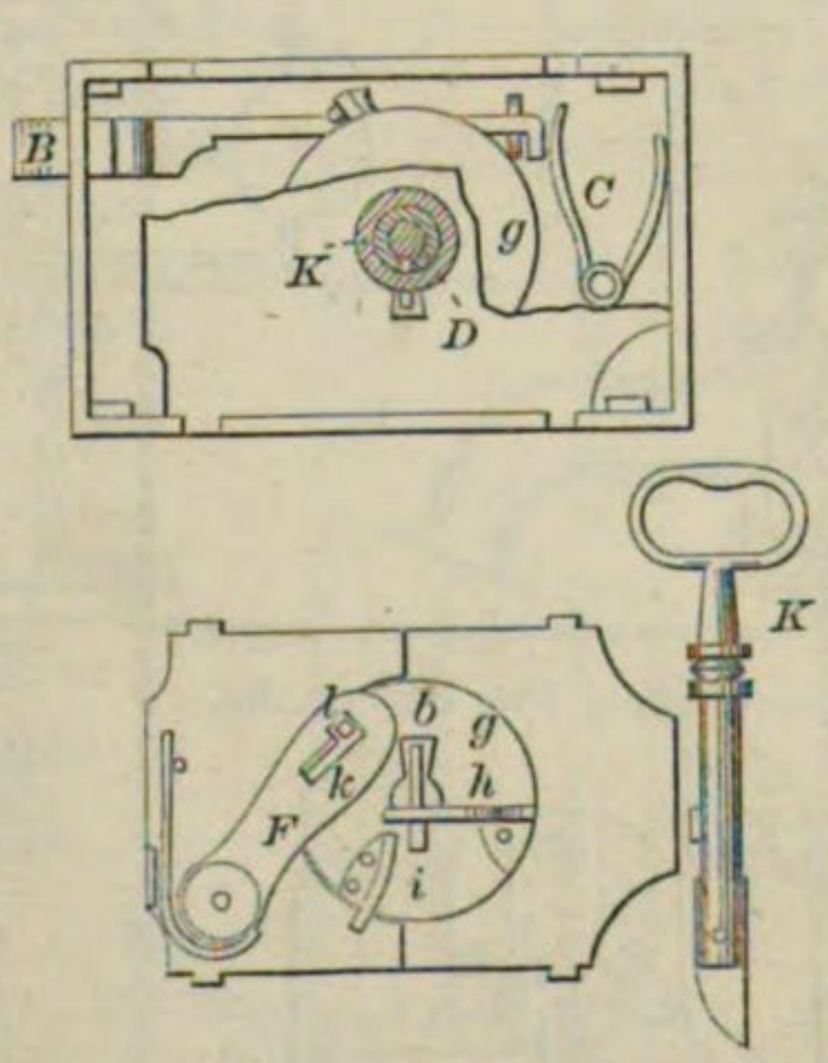
54294—C. L. Carter—*Harvester Rake.*



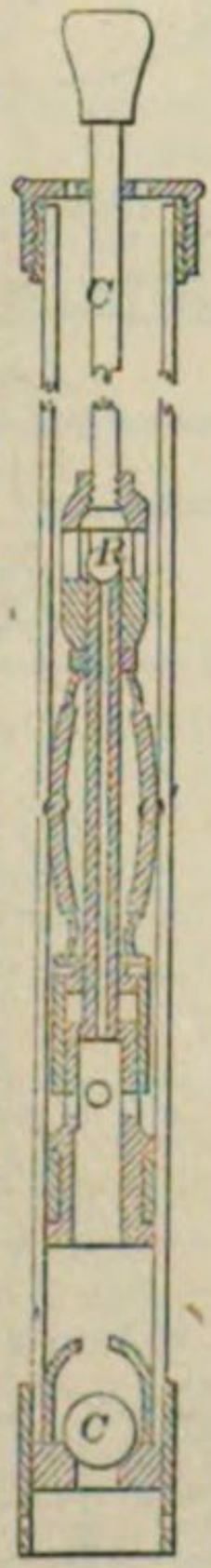
54293—N. B. Carr—*Sugar Cane Mill.*



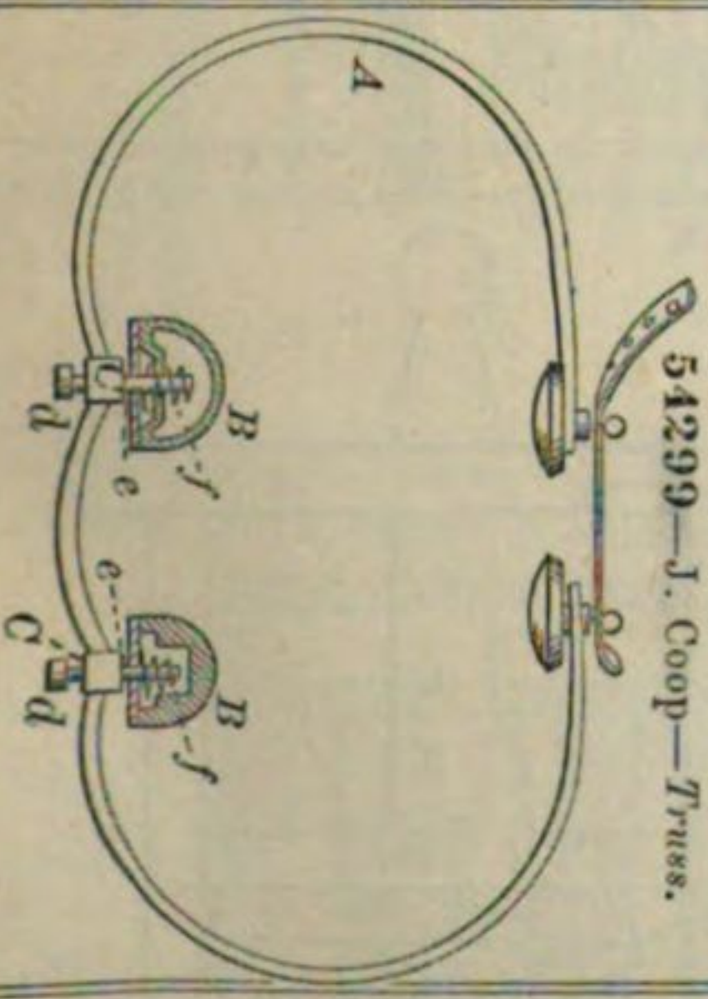
54297—C. Claude—*Lock.*



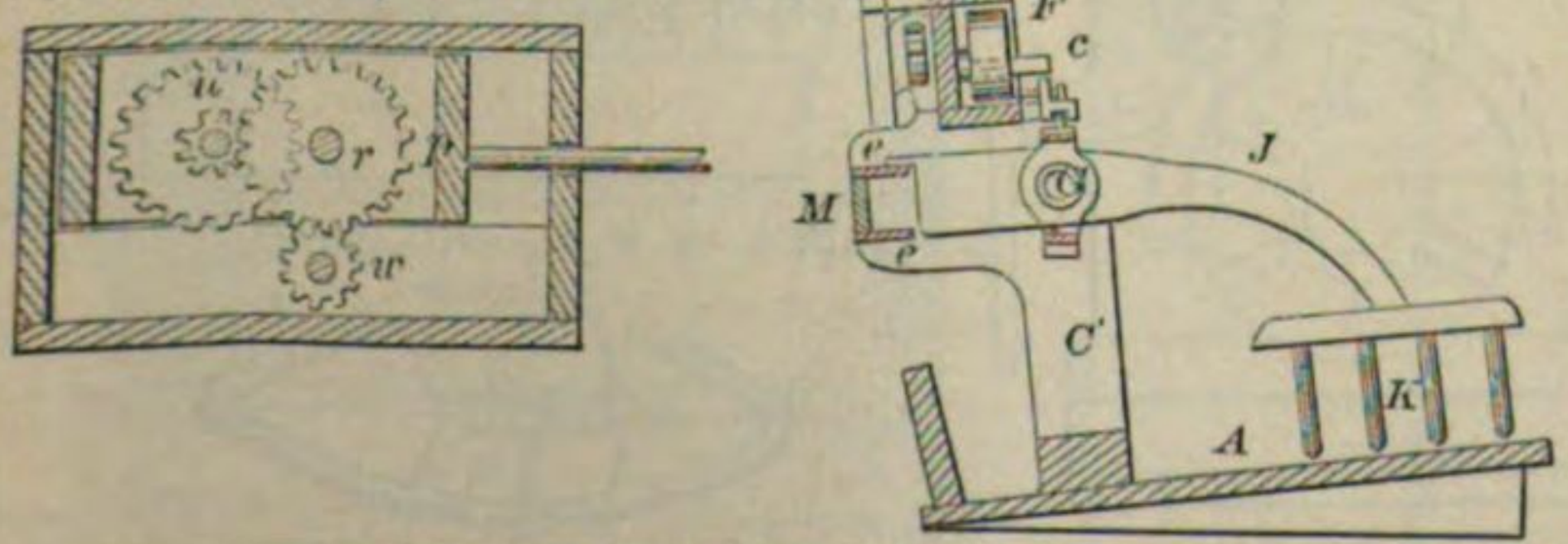
54300—R. Cornelius—*Pump for Deep Wells.*



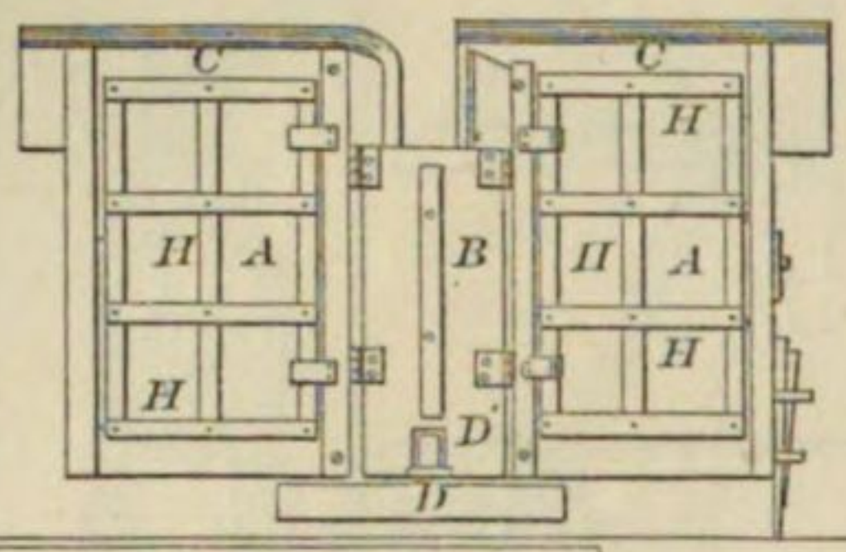
54299—J. Coop—*Trues.*



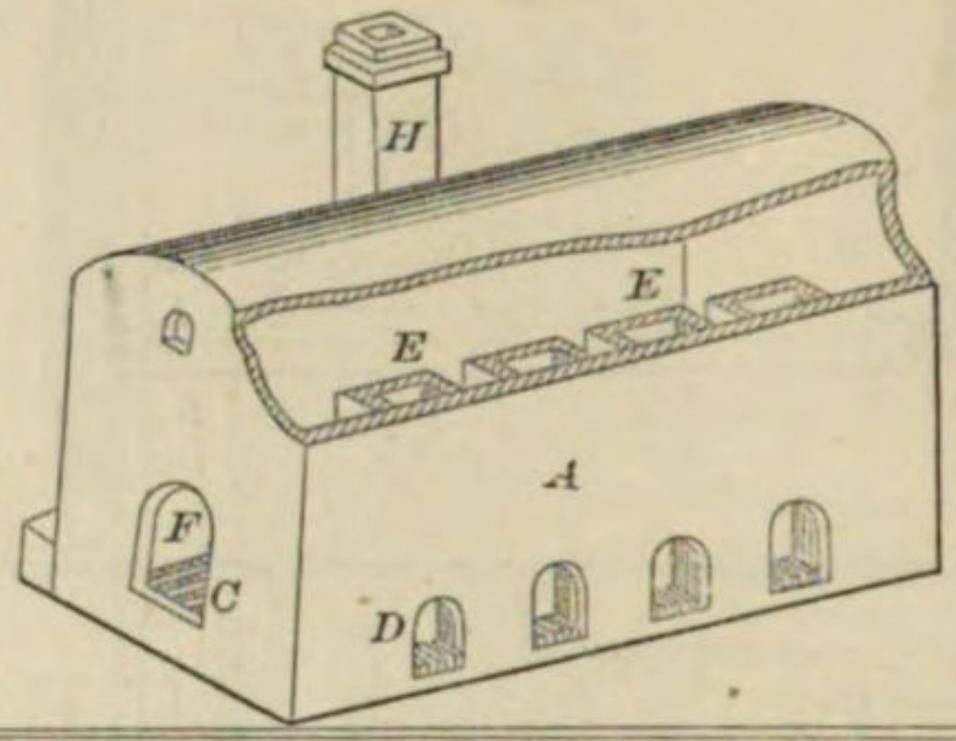
54298—H. Clymo—*Harvester Rake.*



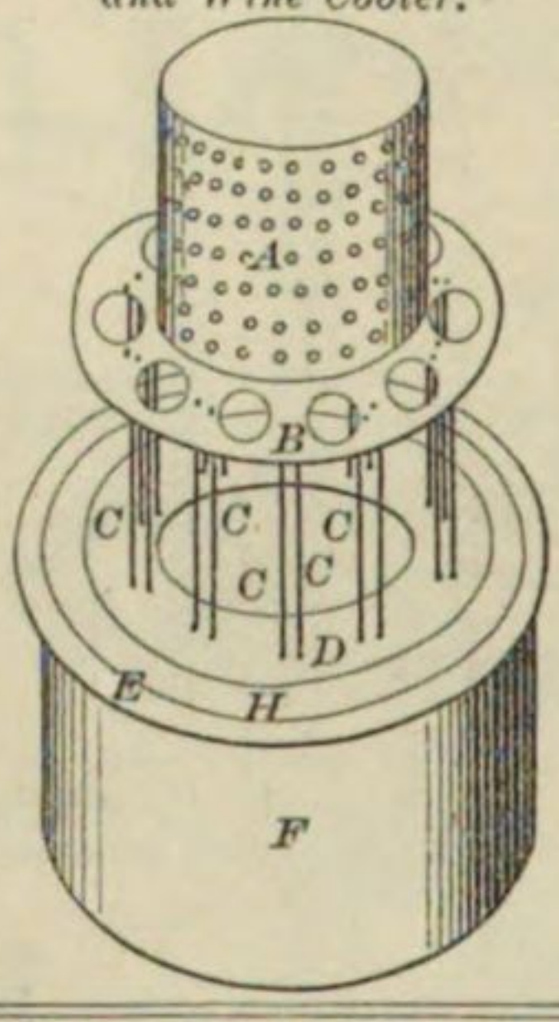
54302—J. S. Davis—*Grape Vine Protector.*



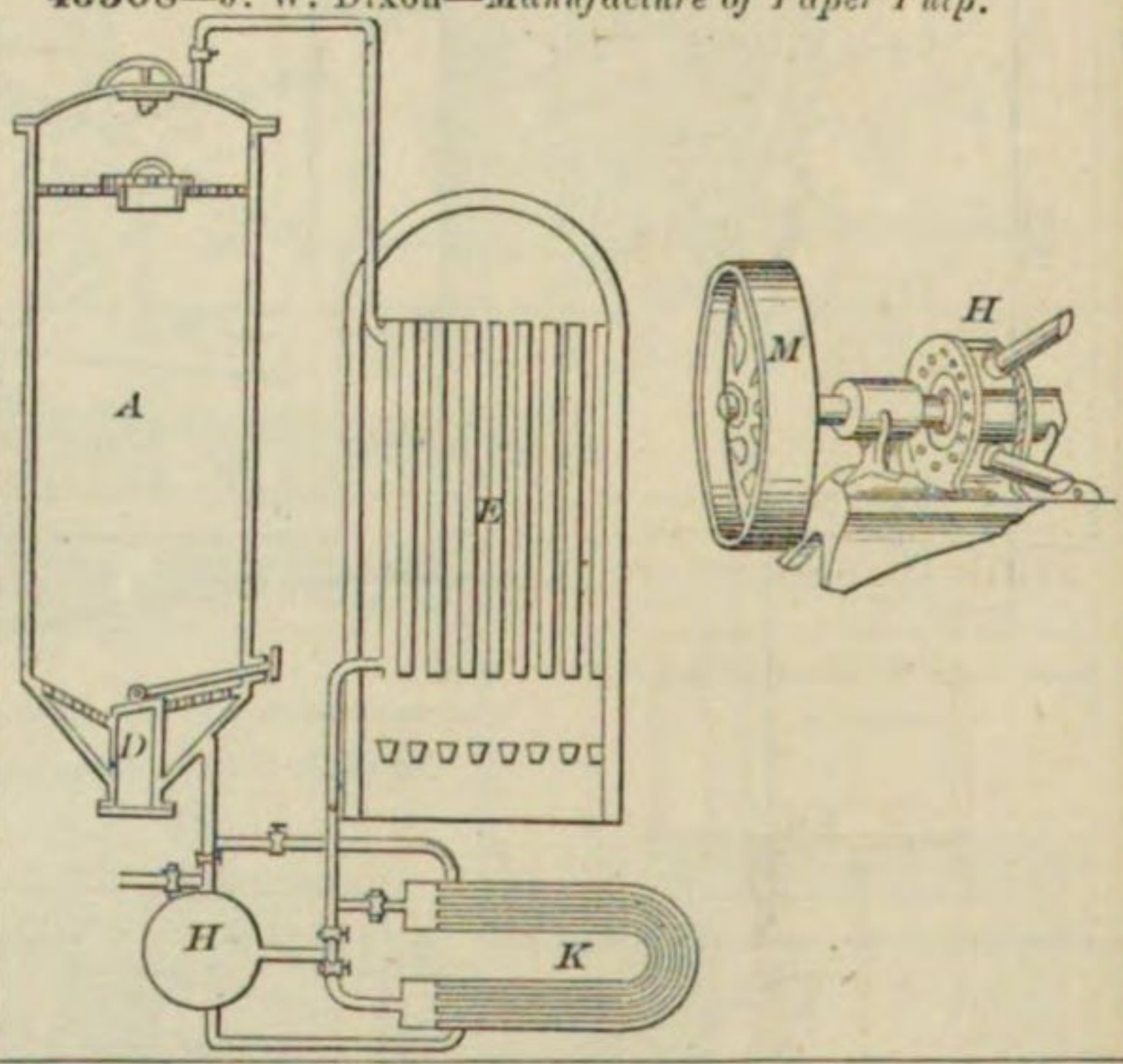
54307—J. B. Dixon—*Tile Kiln.*



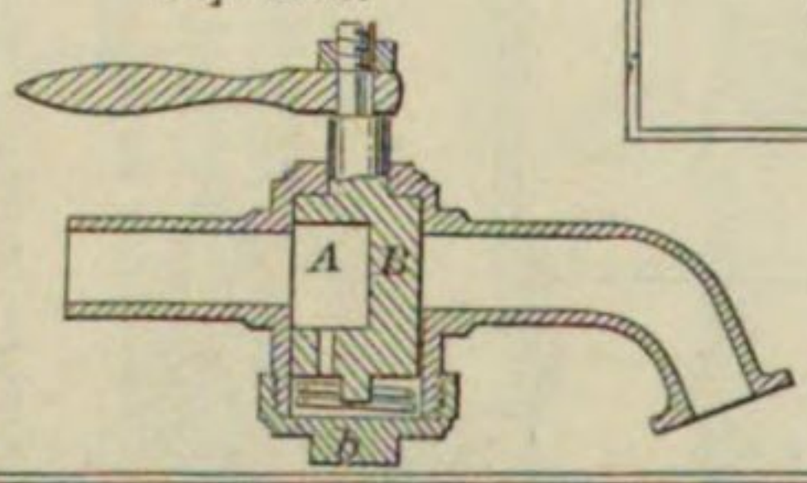
54306—J. Dietschy—*Water and Wine Cooler.*



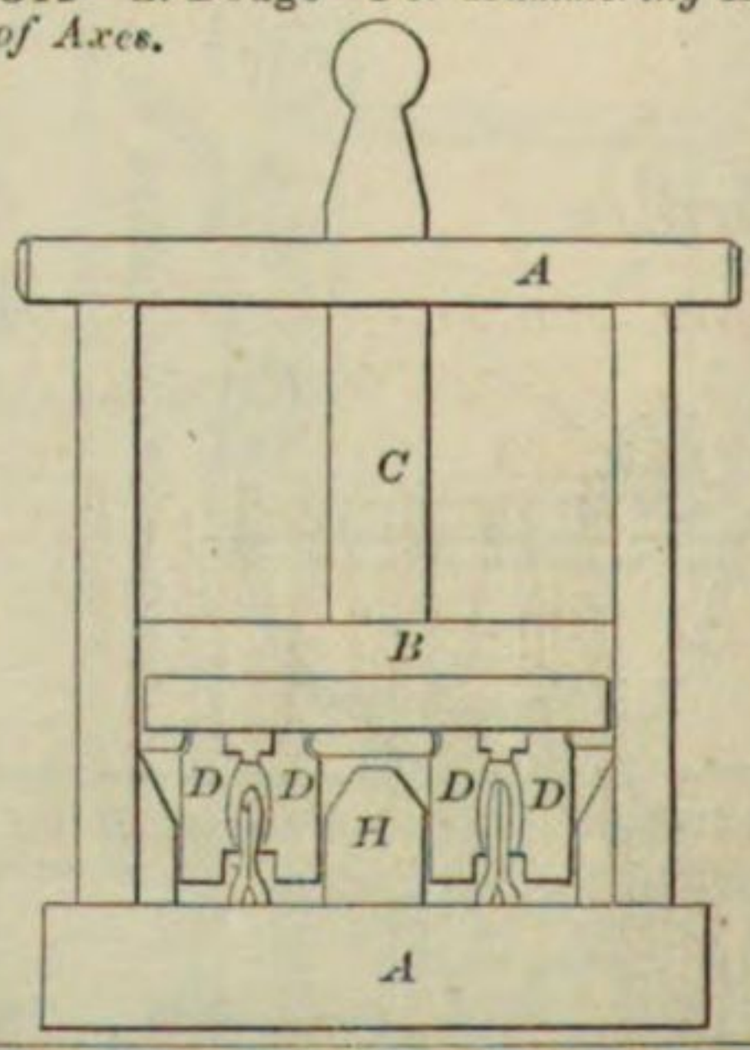
45308—J. W. Dixon—*Manufacture of Paper Pulp.*



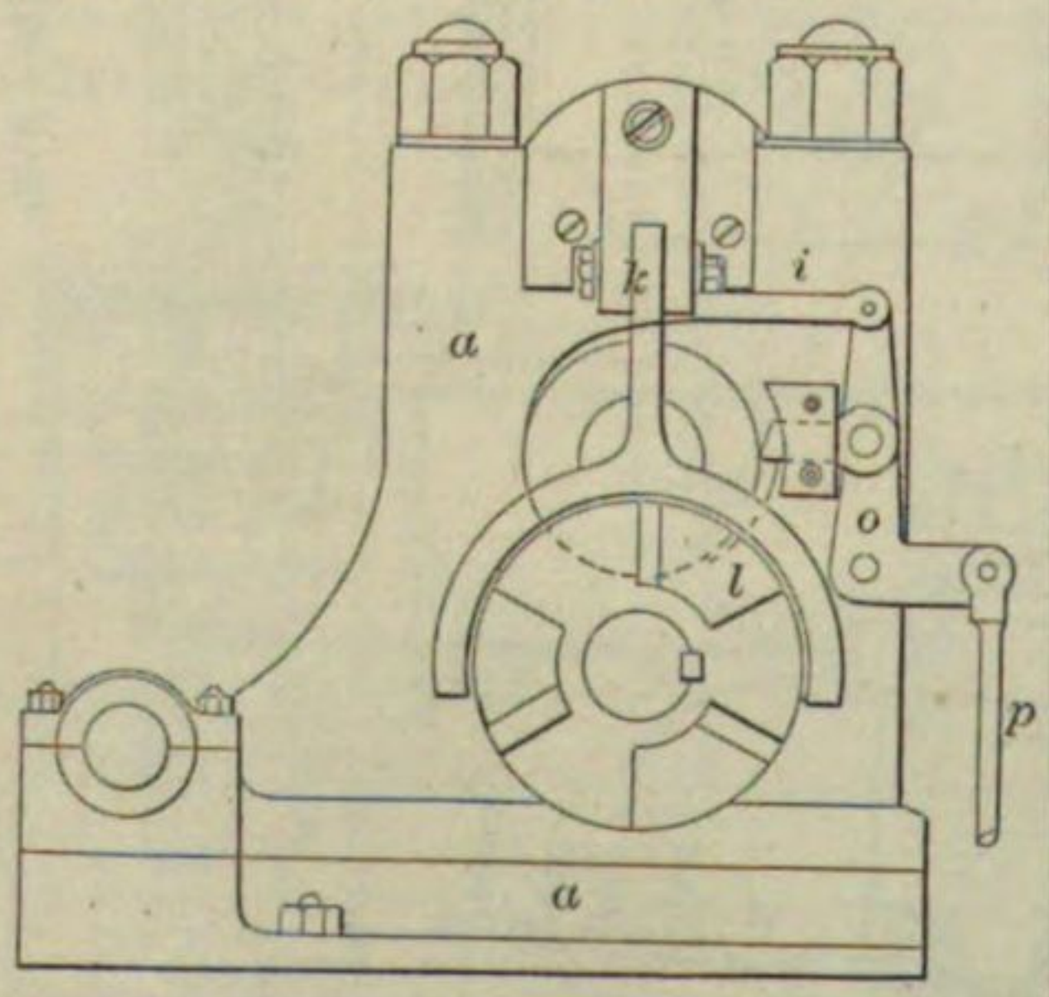
54305—W. H. De Valin—*Stop Cock.*



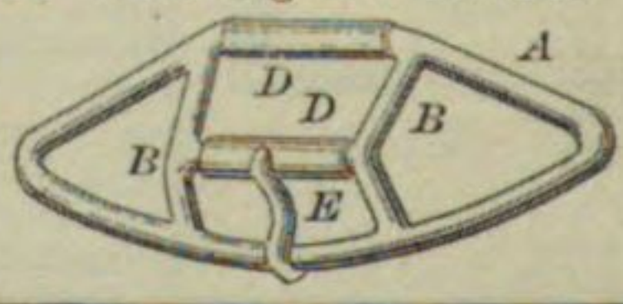
45311—L. Dodge—*For Hammering Heads of Axes.*



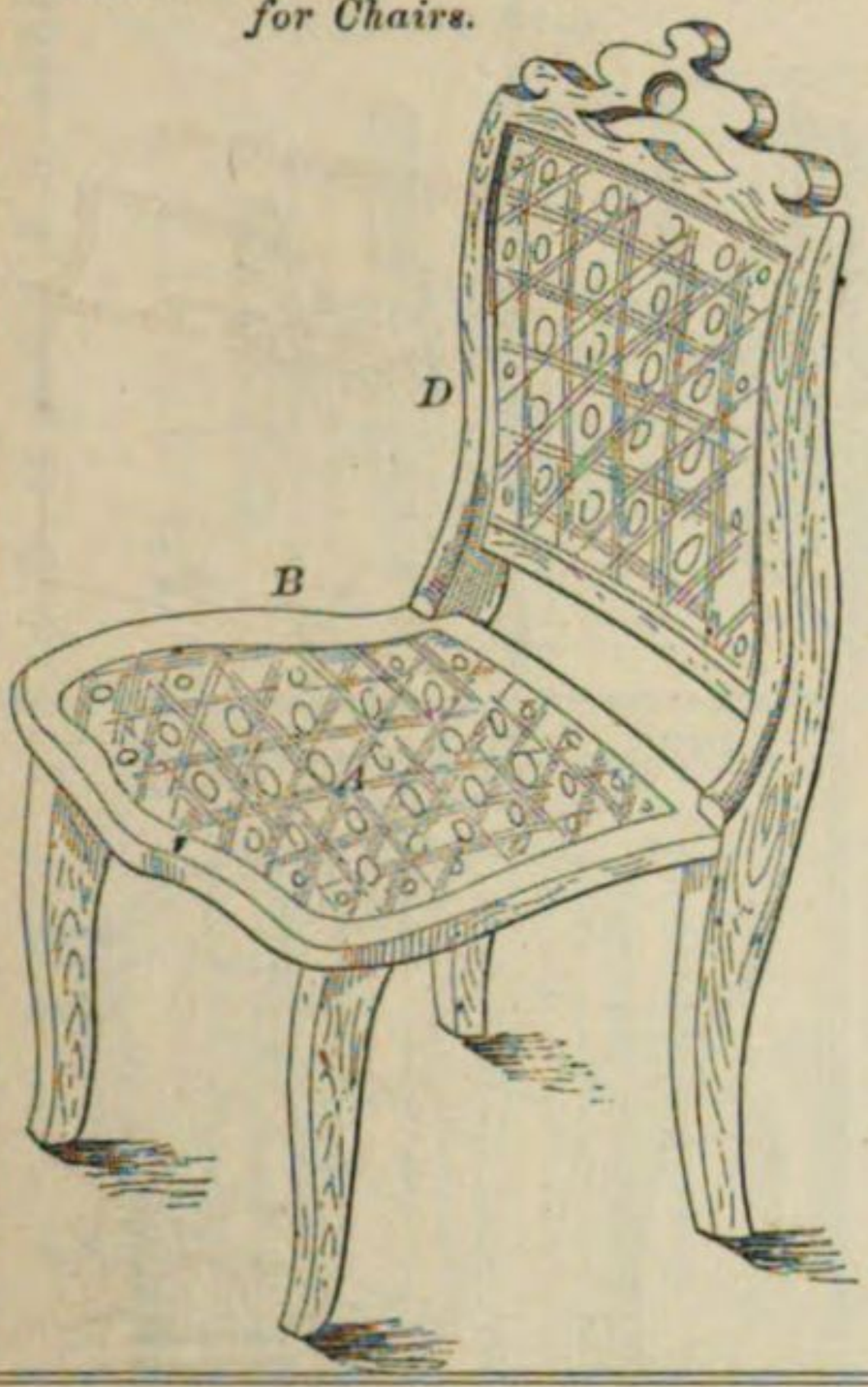
54310—J. Dodge—*Shaping File Blanks, &c.*



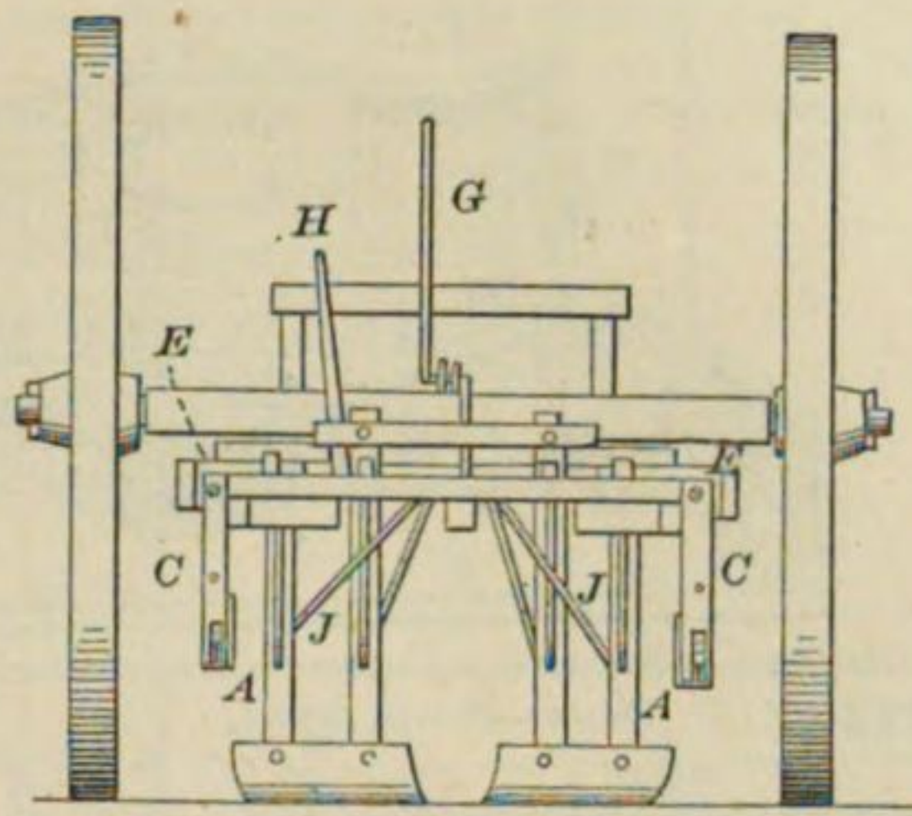
54313—A. R. Egbert—*Buckle.*



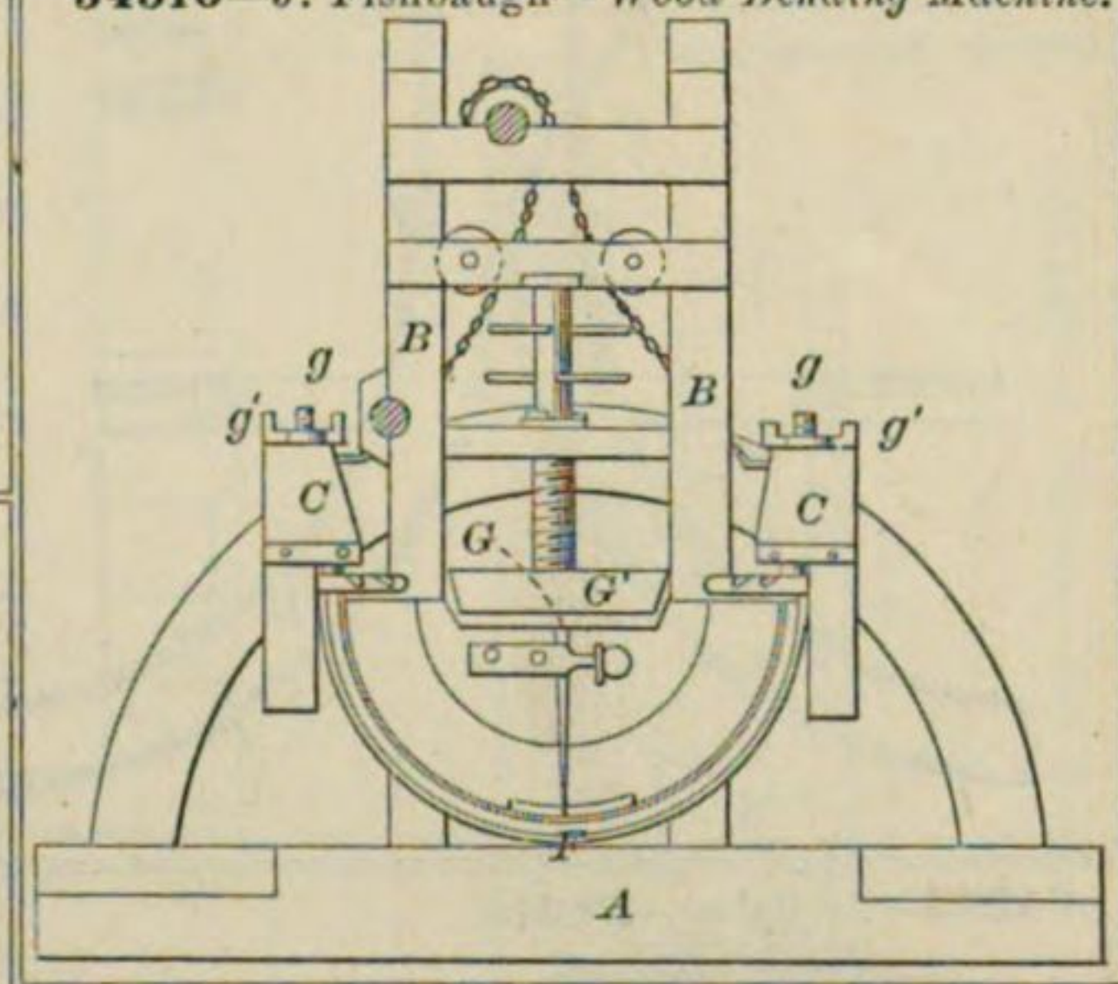
54314—W. S. Farmer—*Seat and Back for Chairs.*



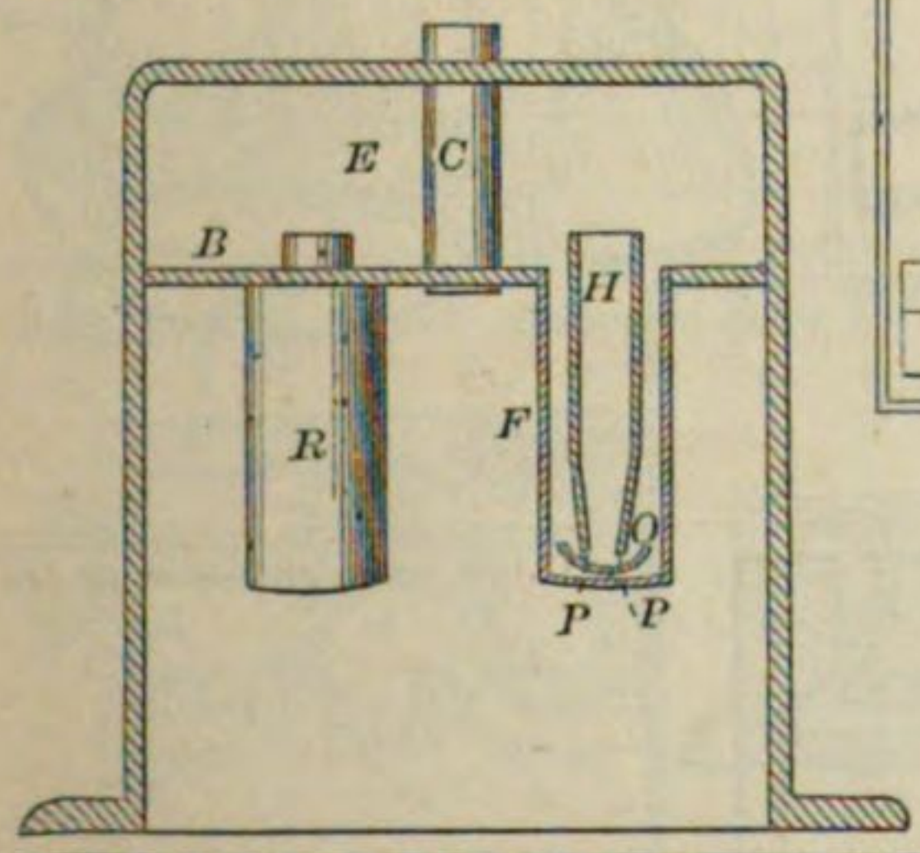
54317—W. D. Fisher—*Cultivator.*



54316—J. Fishbaugh—*Wood Bending Machine.*



54318—B. Fitts—*Boiler Tube.*



54319—J. H. Flagg—*Soap Stone Stove.*

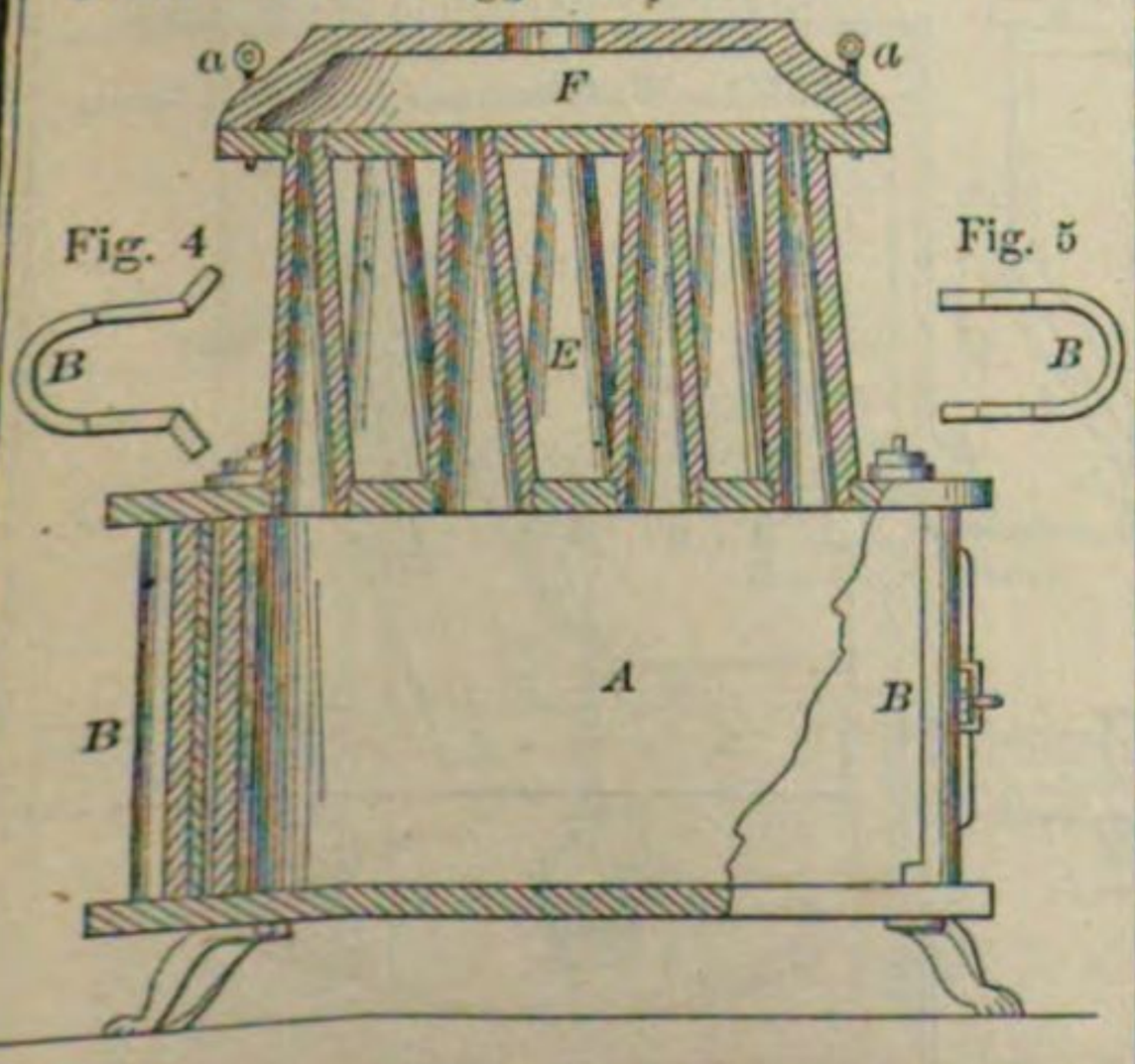


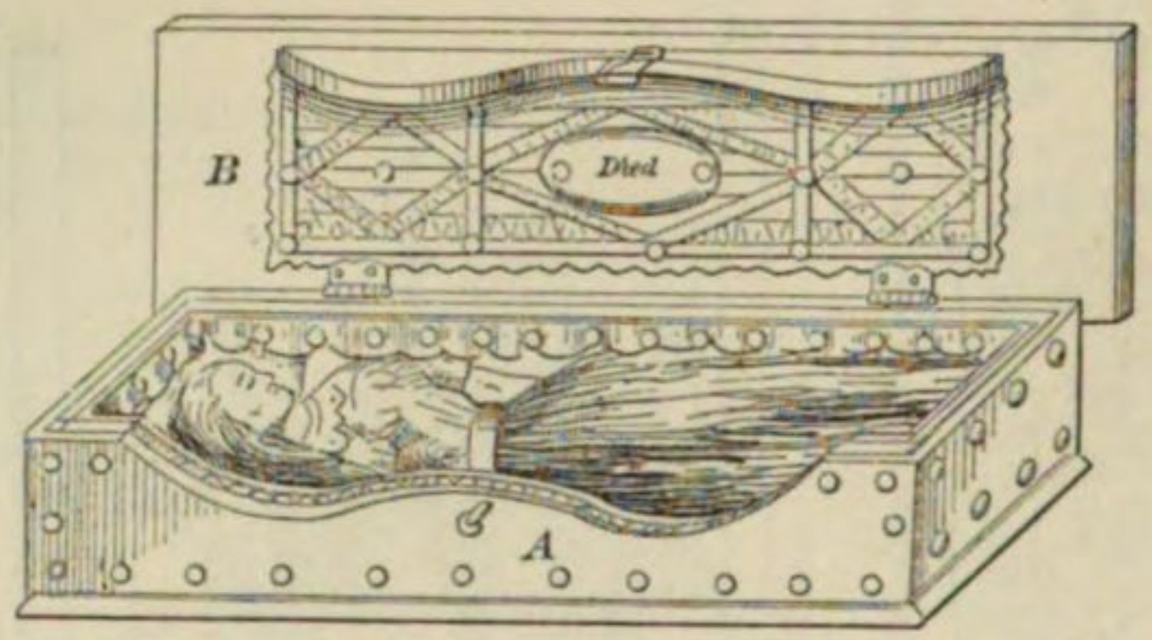
Fig. 4

Fig. 5

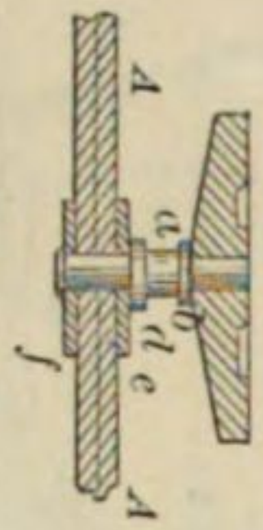
54320—J. W. Foard—*Newspaper File.*

54315—T. P. Fish—*Horse Hoe.*

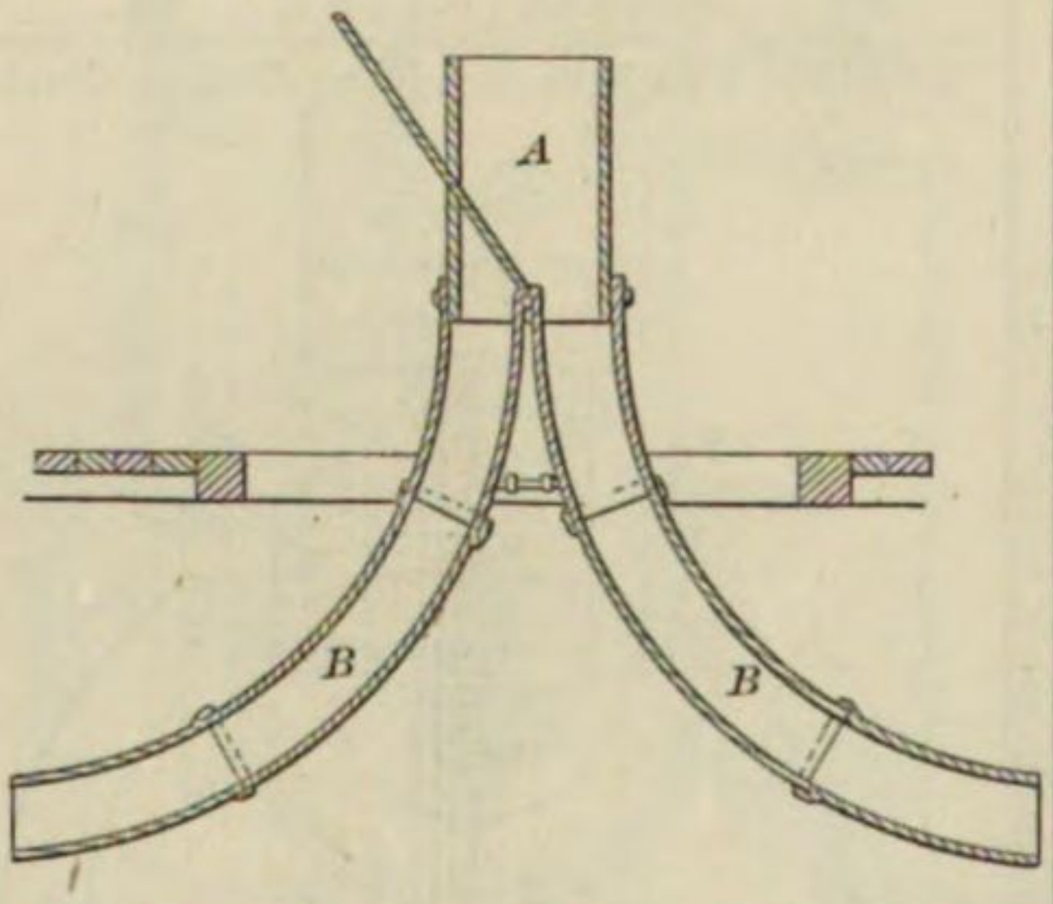
54321—J. A. Fogg—*Burial Casket.*



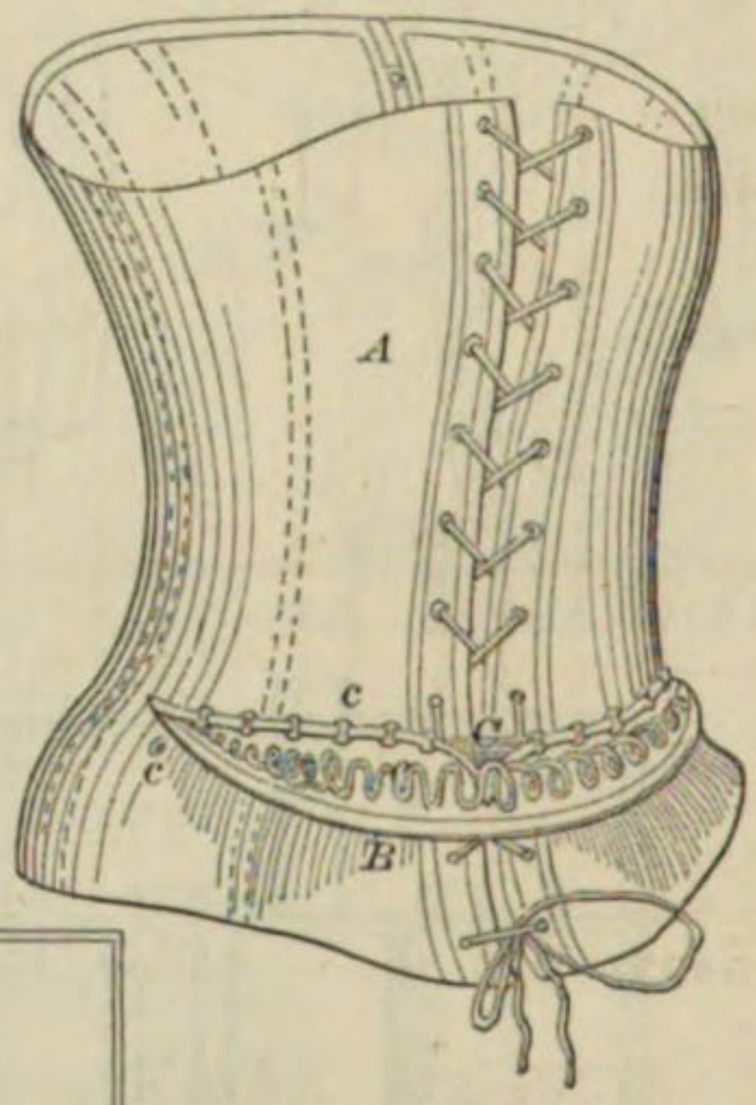
54324—C. A. French, 2d—*Button.*



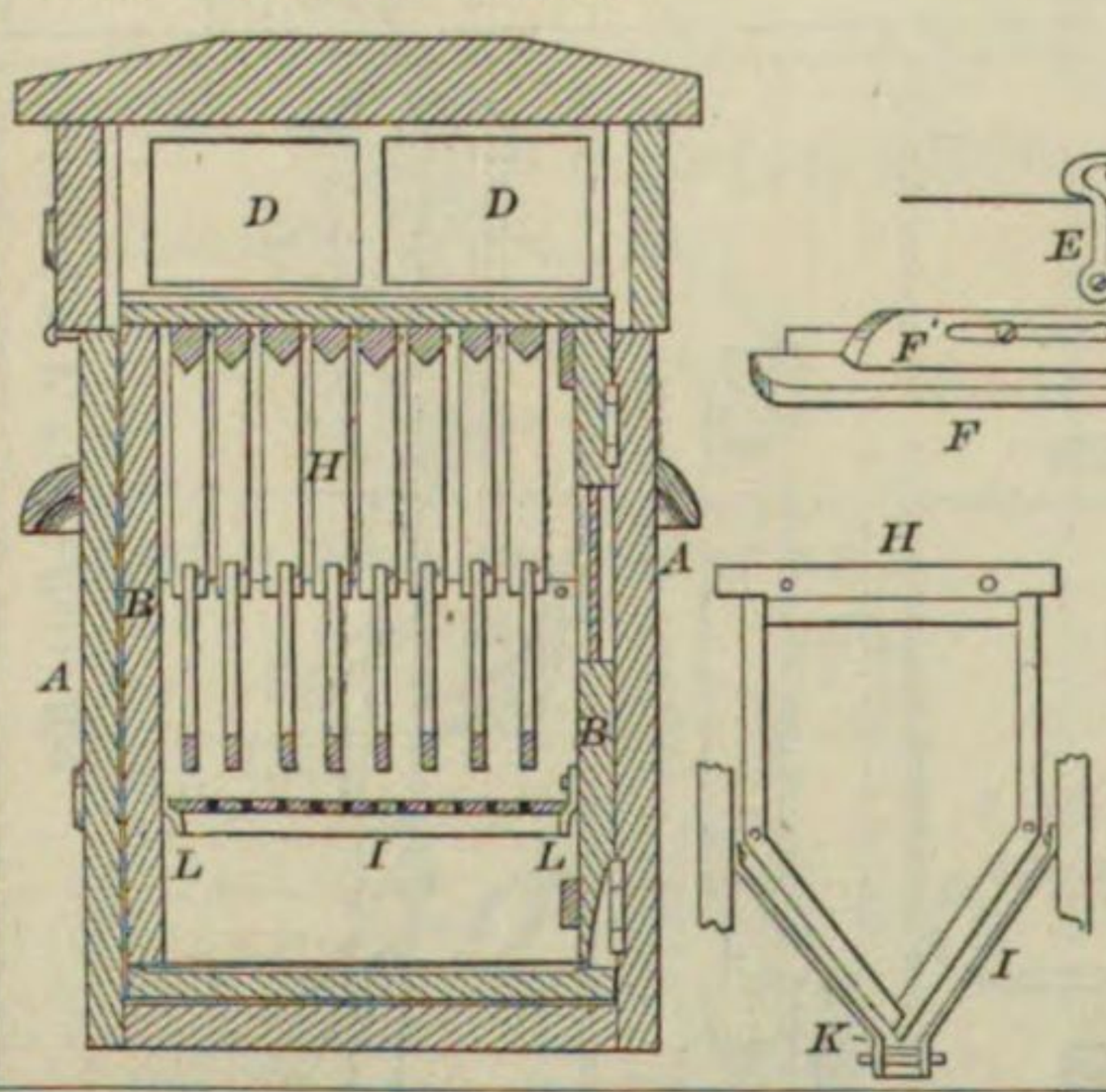
54322—A. D. Foote—*Grain Spout.*



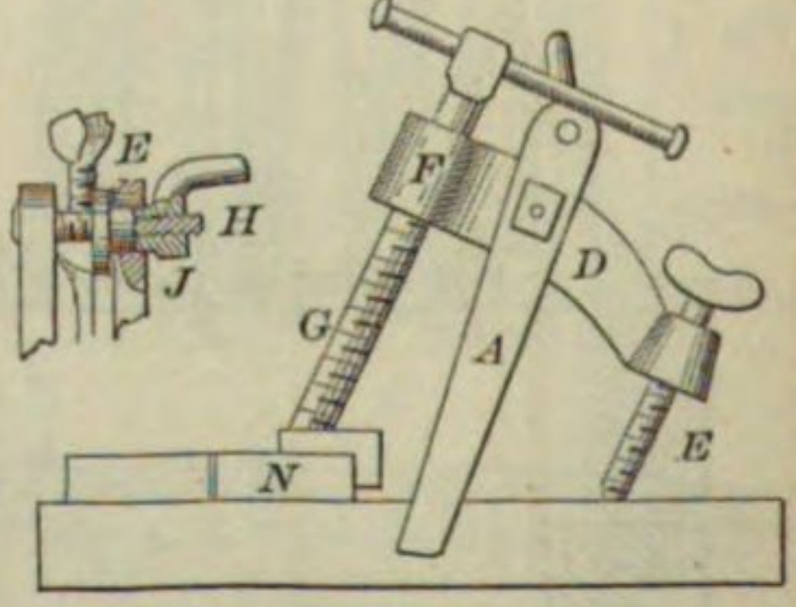
54323—L. H. Foy—*Combined Corset and Bustle.*



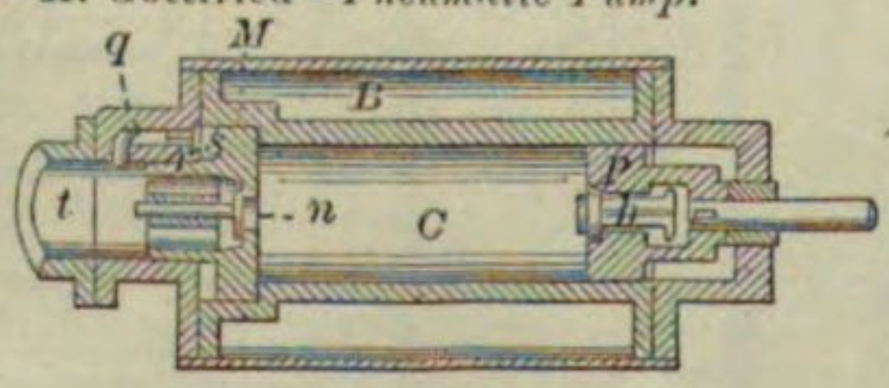
54325—A. Fuller—*Beehive.*



54327—W. Glenn—*Planking Clamp.*



54328—H. Gottfried—*Pneumatic Pump.*



54329—J. Gower—*Roll for Manufacturing Railroad Rails.*

Fig. 1

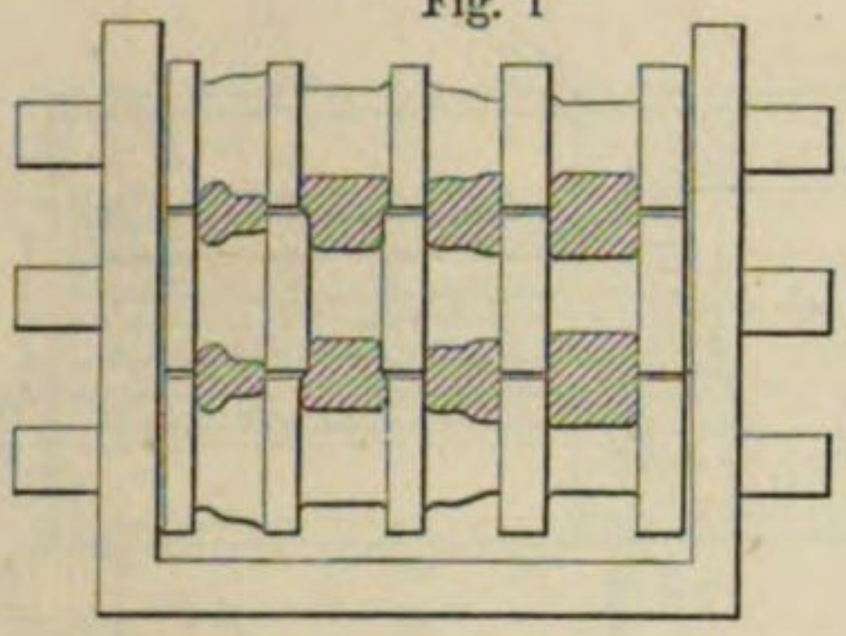
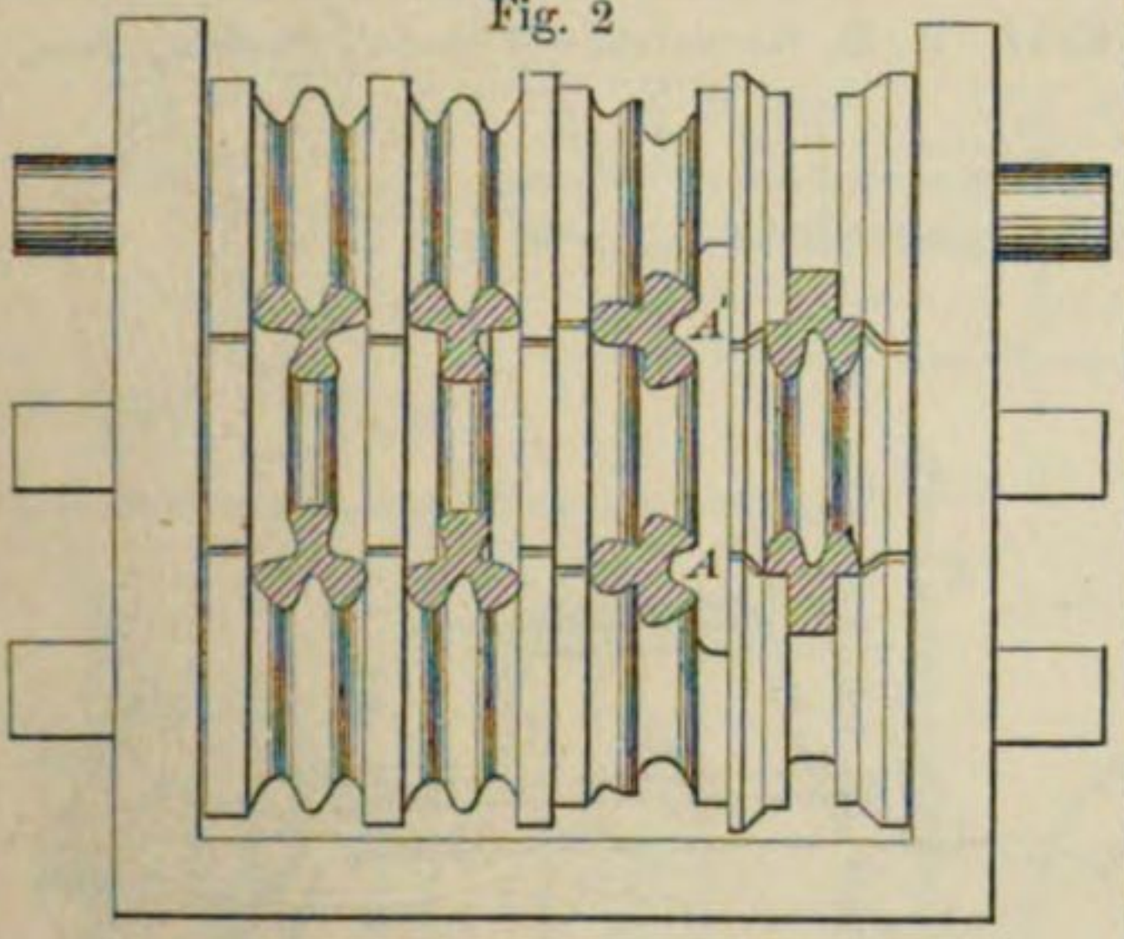
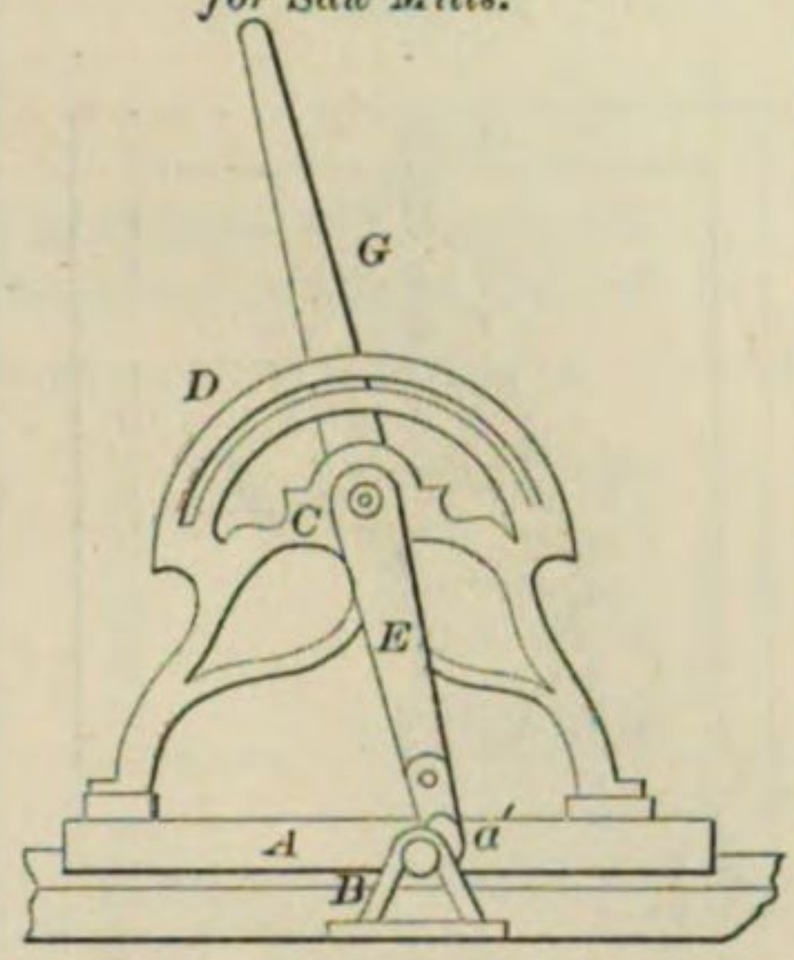


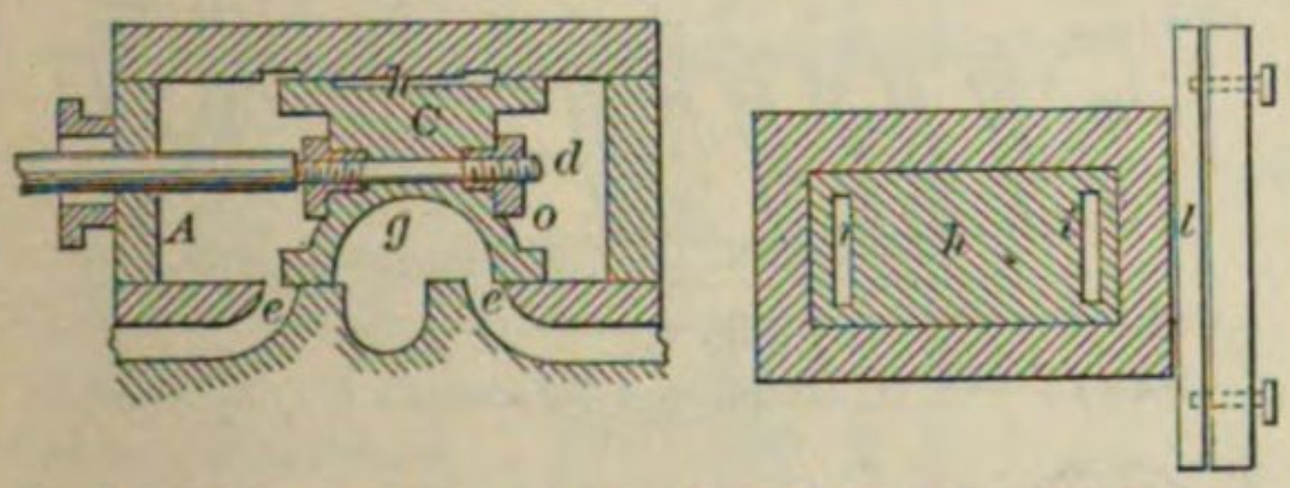
Fig. 2



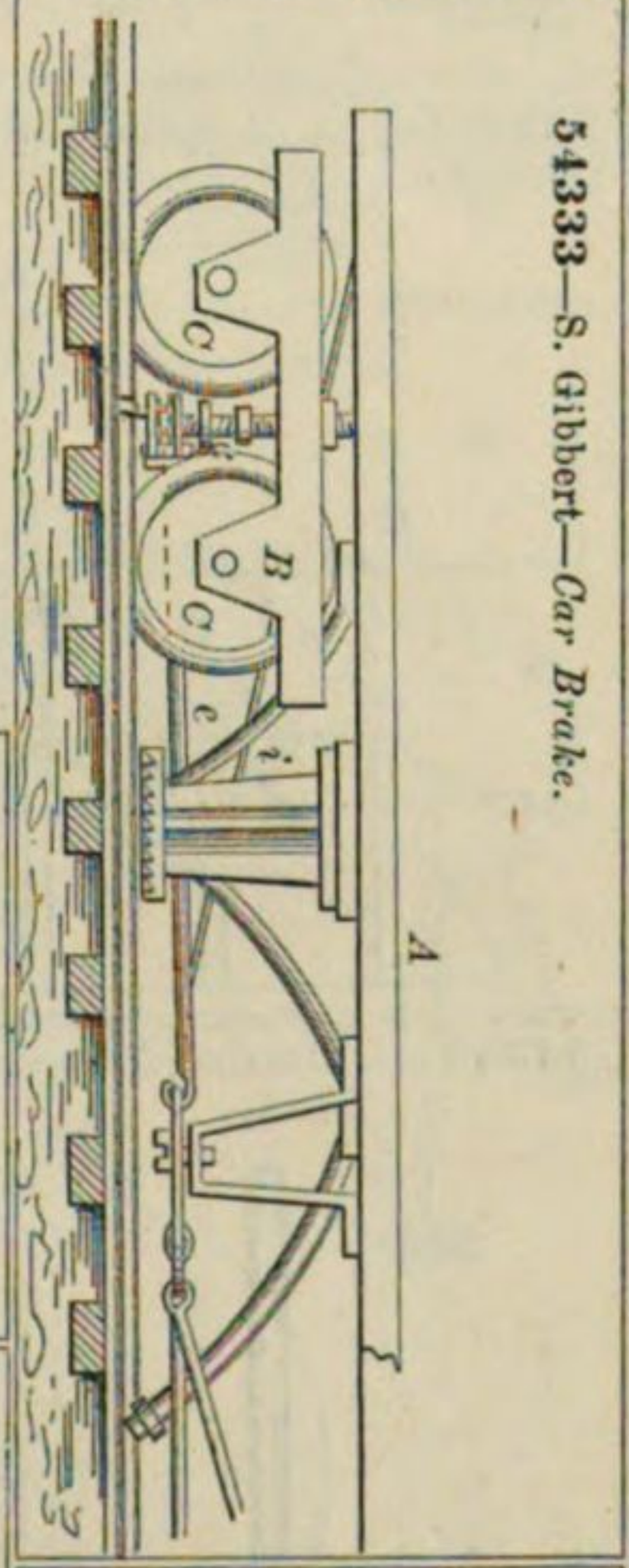
54330—H. H. Gridley—*Head Block for Saw Mills.*



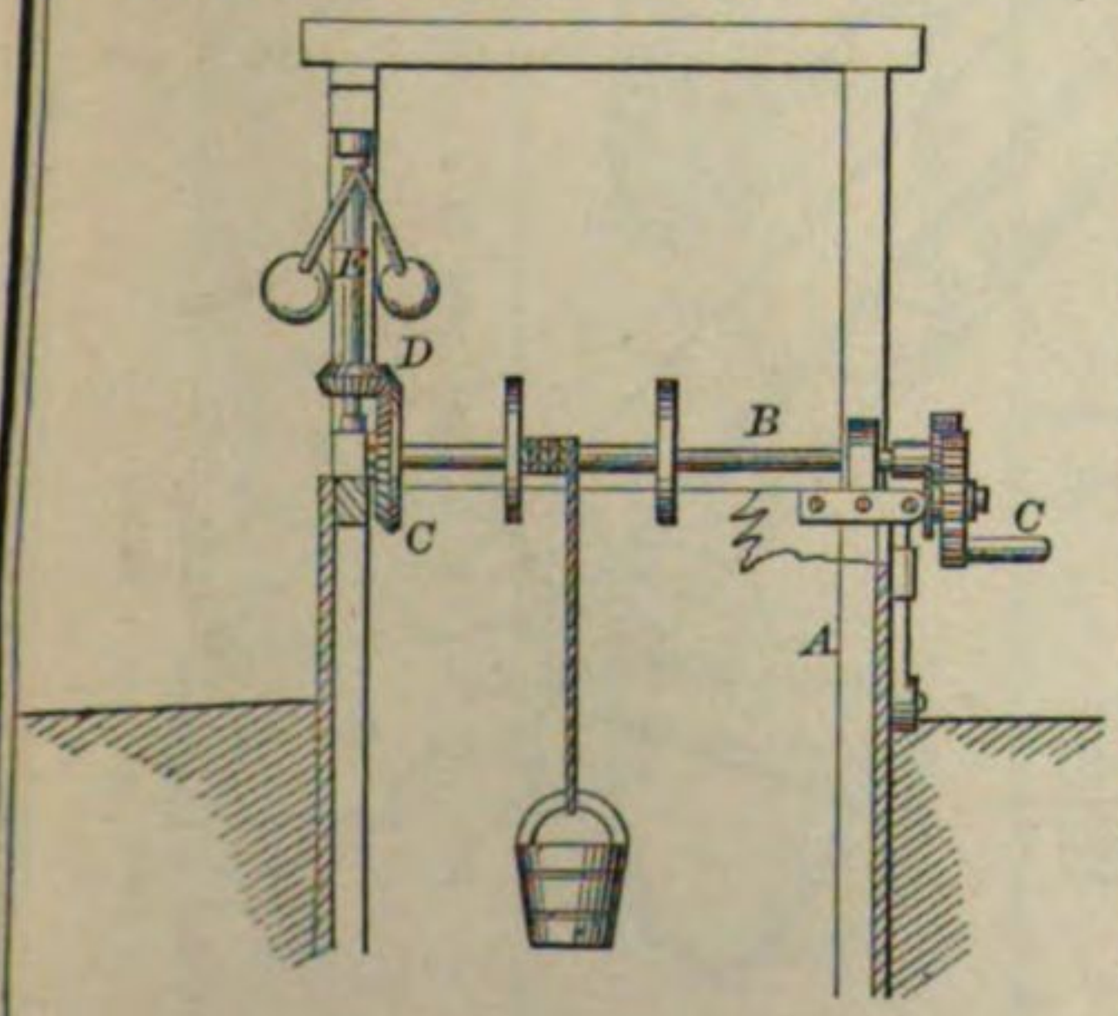
54331—J. R. Grout—*Balanced Slide Valve.*



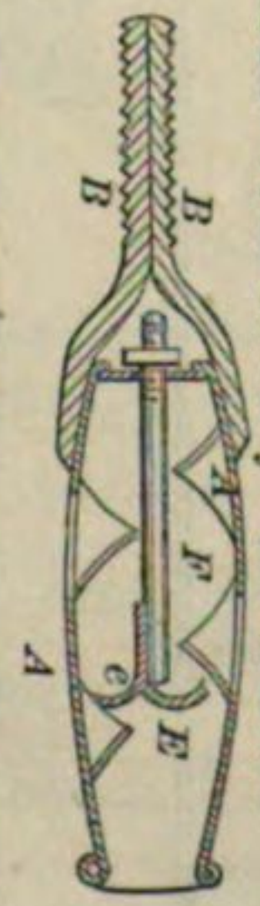
54333—S. Gibbert—*Car Brake.*



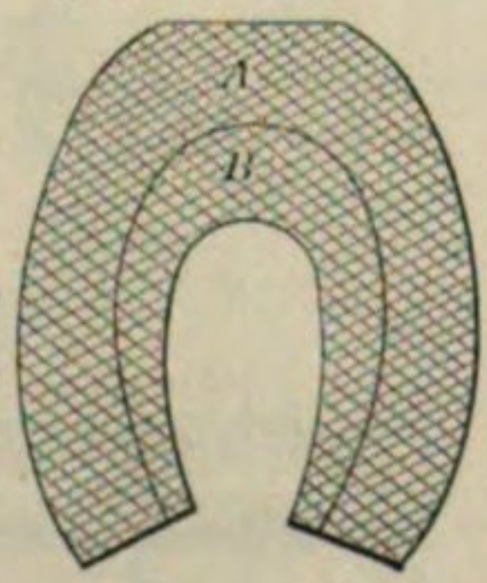
54334—C. Gullmann—*Well Curb.*



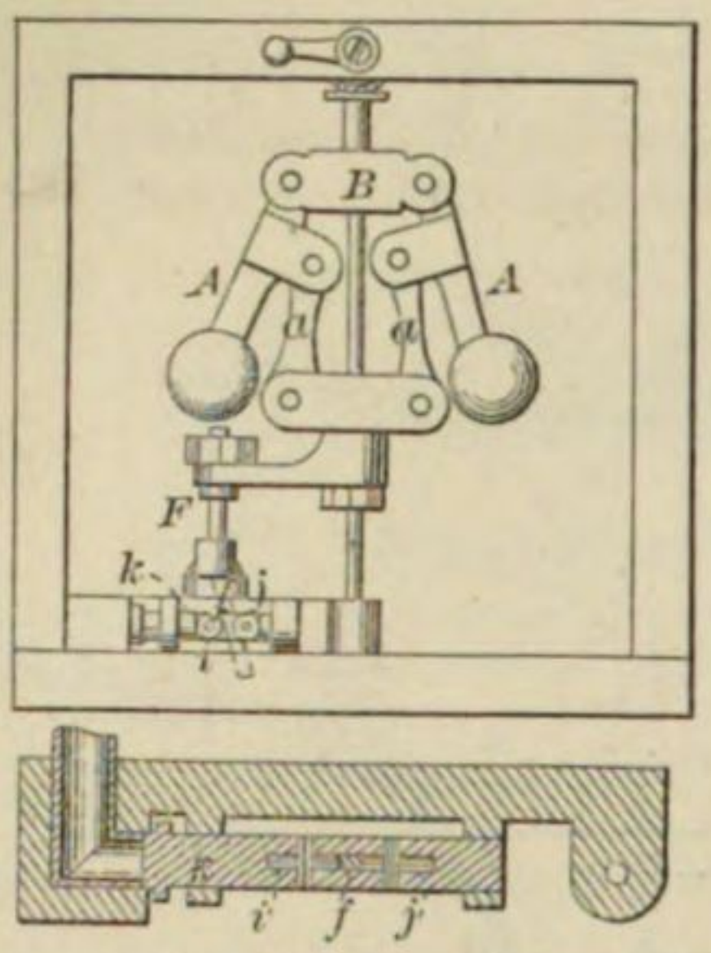
54332—S. B. Guernsey—*Broom Head.*



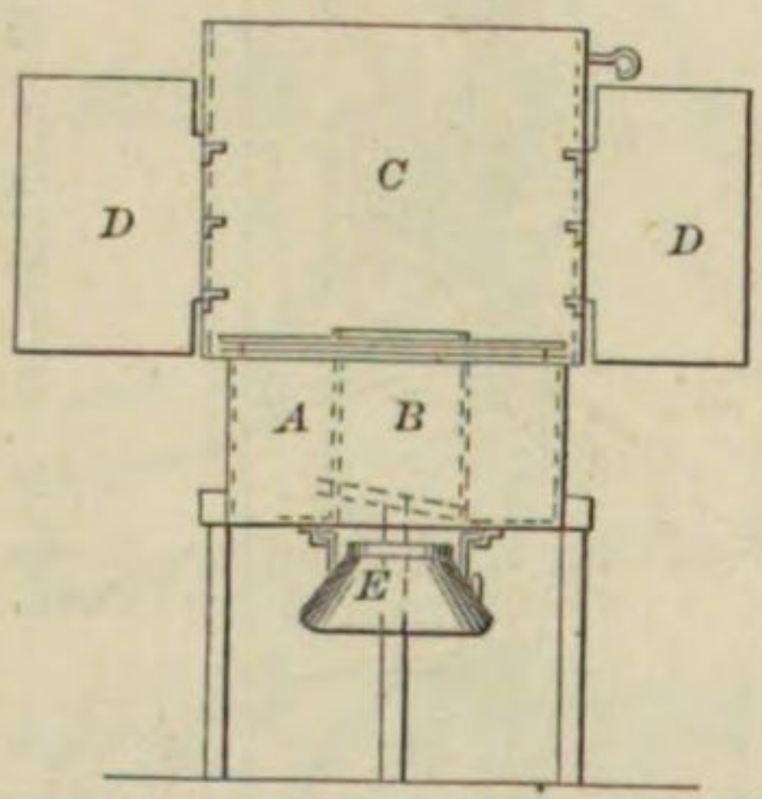
54335—W. H. Hall—*Elastic Cushion for Horses' Feet.*



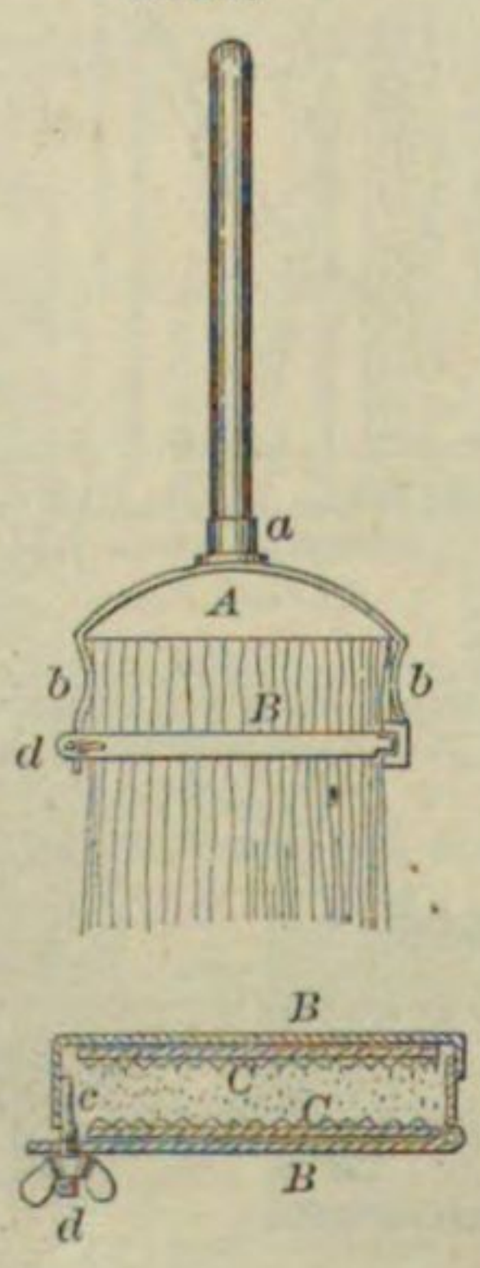
54336—W. J. Hallefas—*Engine Governor.*



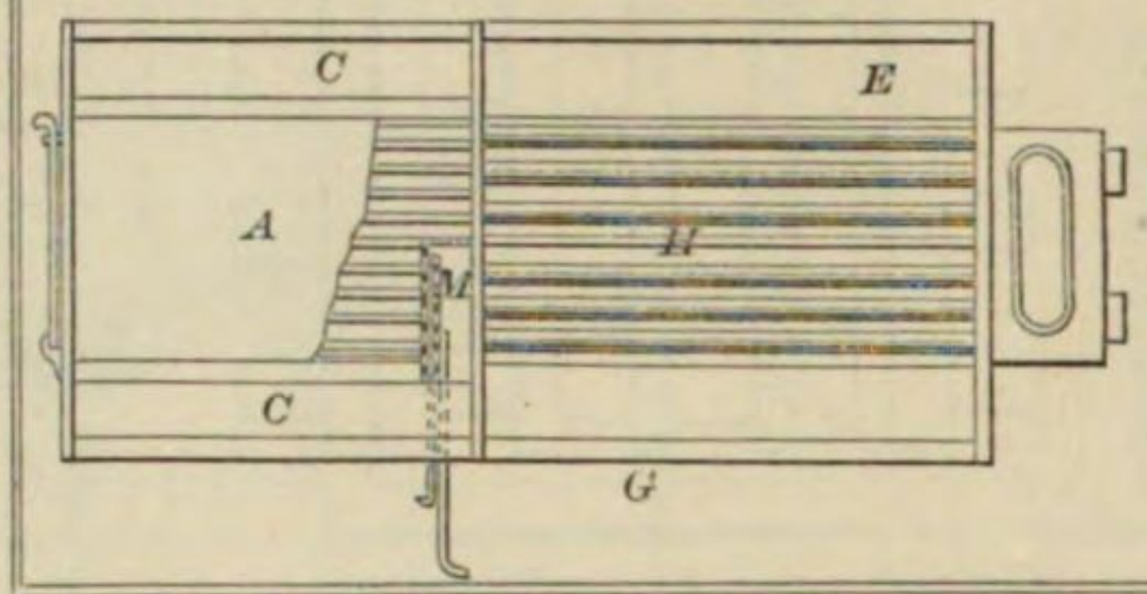
54337—C. A. Harper—*Portable Cooking Apparatus.*



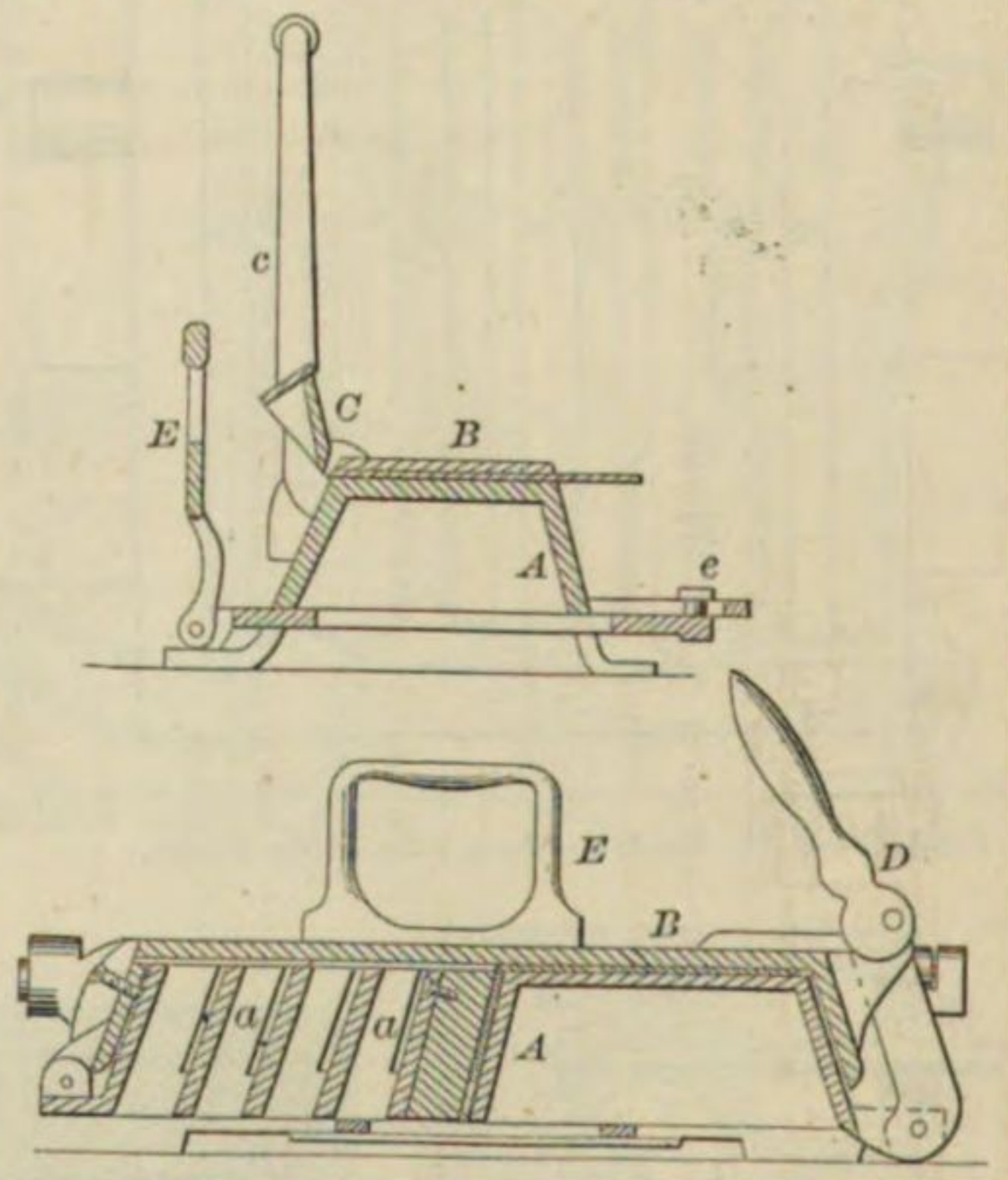
54338—J. Harris—*Broom Head.*



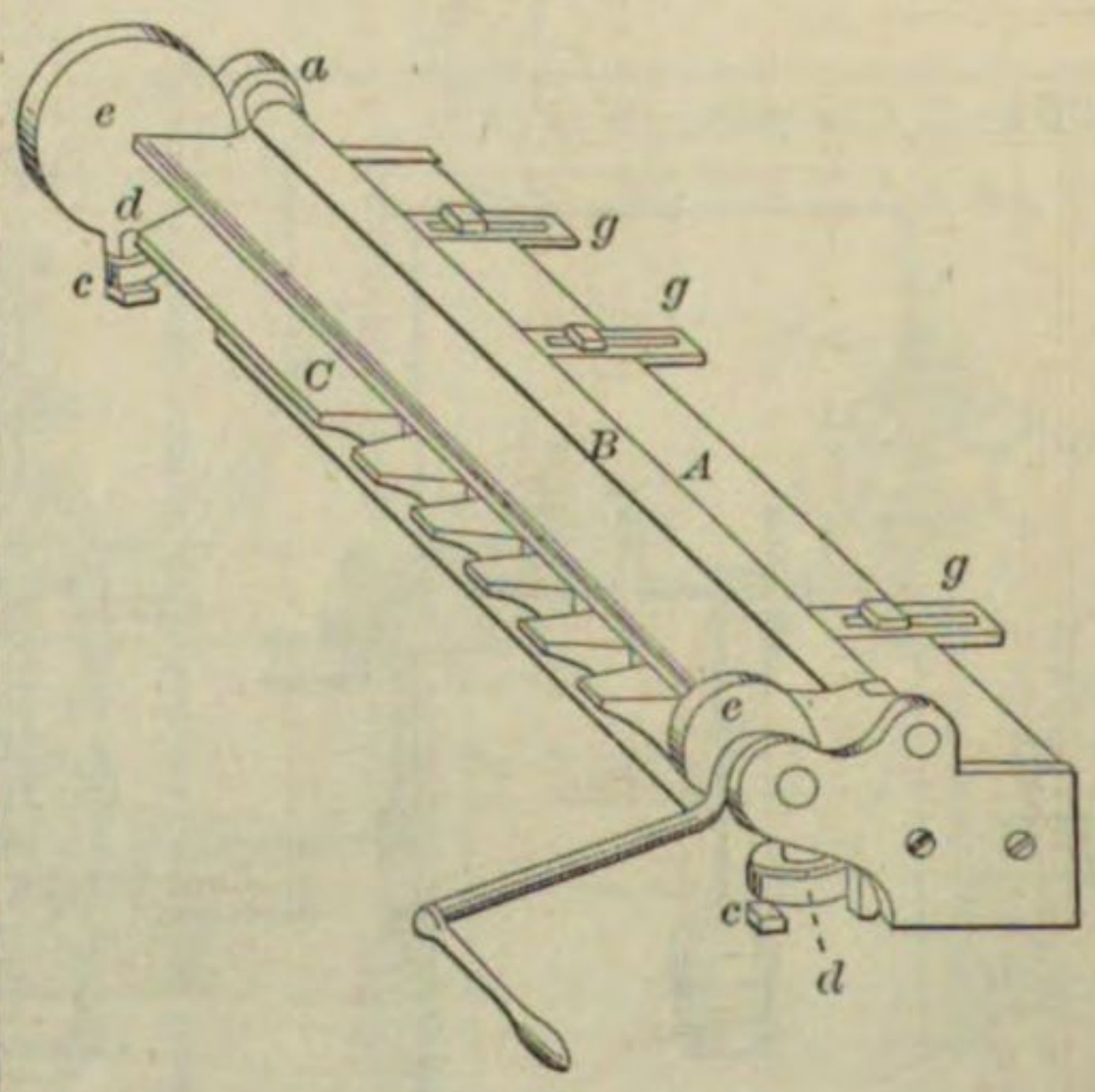
54340—B. R. Hawley—*Evaporator.*



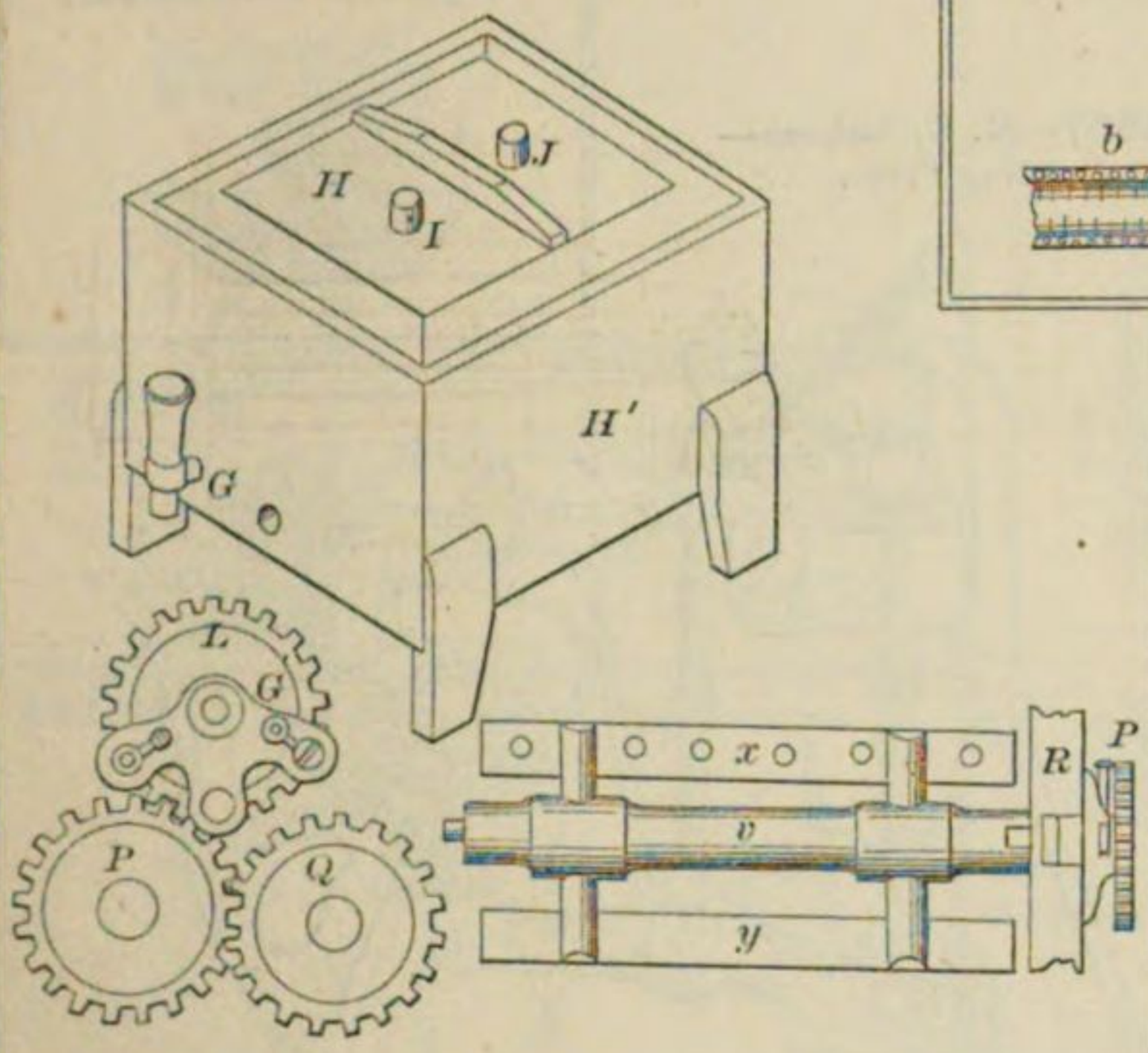
54341—W. H. Henderson—*Tinman's Forming Tool.*



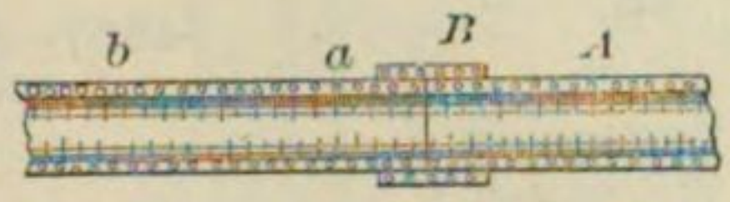
54342—W H. Henderson—*Tinman's Edging Tool.*



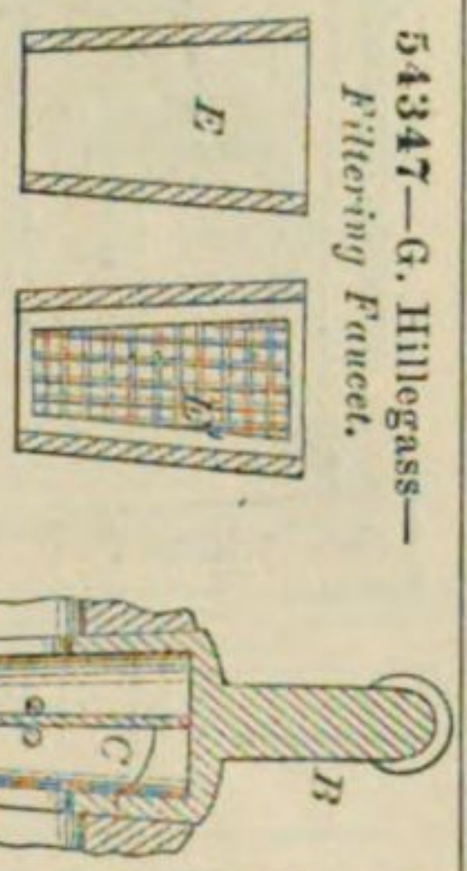
54343—S. Hewit—*Churn.*



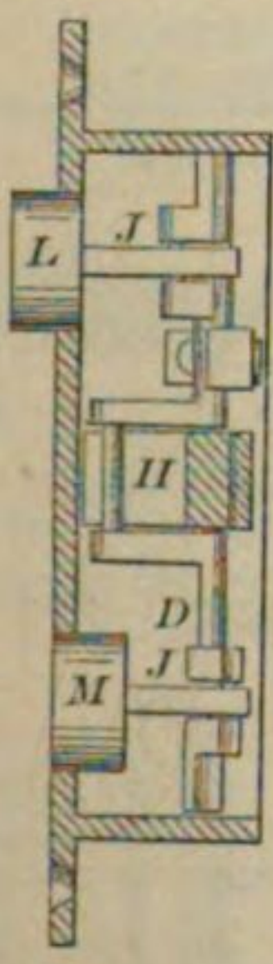
54346—E. H. Hill—*Steam, Water or other Pipe.*



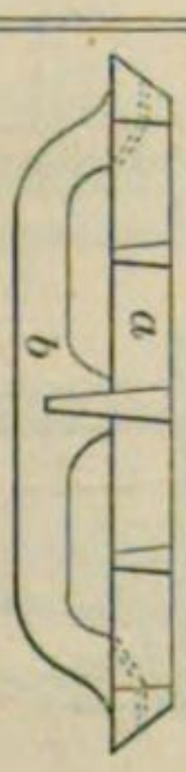
54347—G. Hillegass—*Filtering Faucet.*



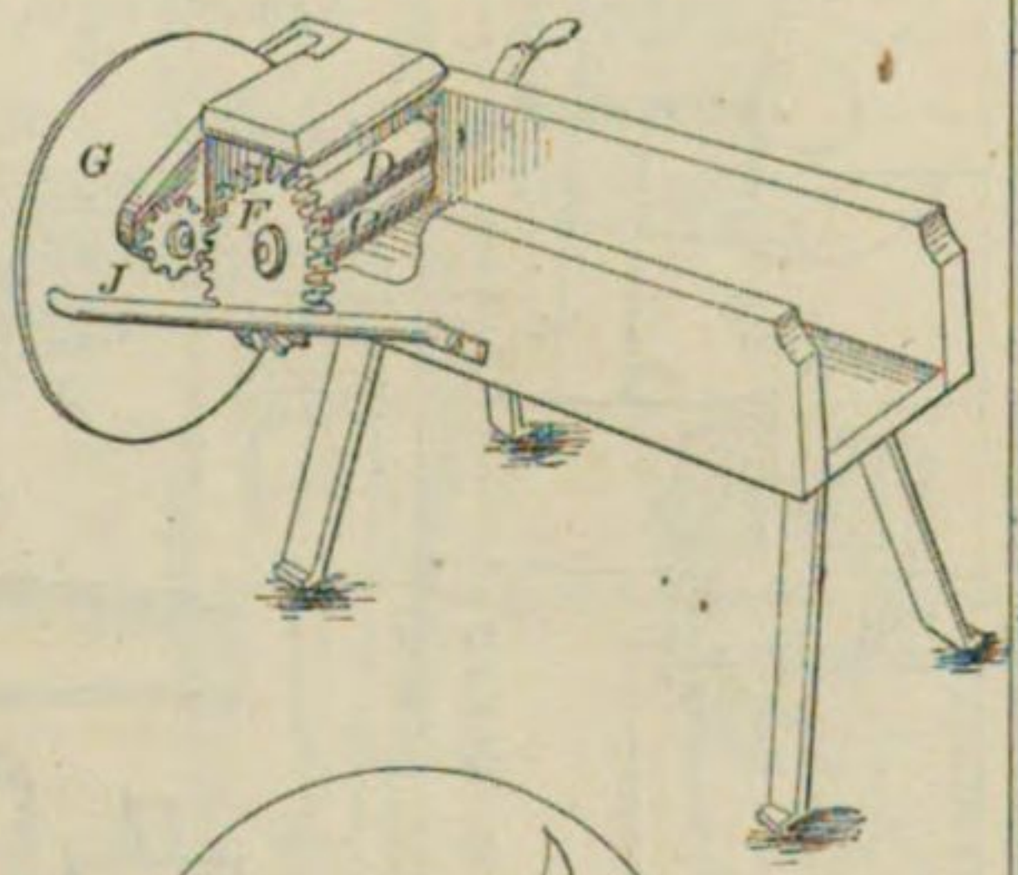
54348—J. M. Hopkins—*Bolt Fastening.*



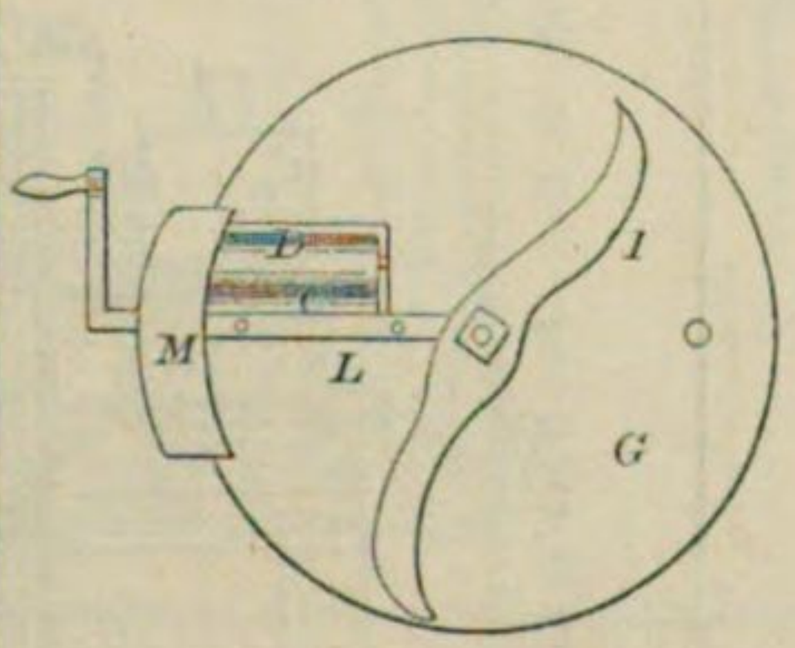
54349—D. Houston—*Grate Bar.*



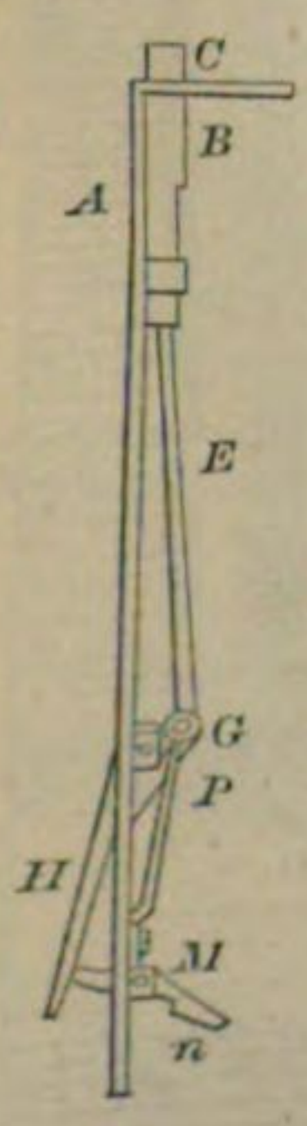
54351—L. B. Hoit—*Straw Cutter.*



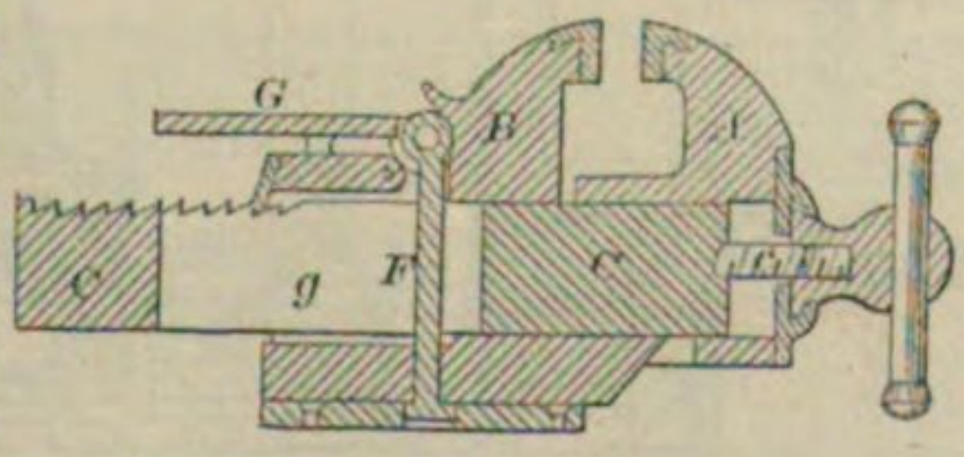
54344—B. H. Hibler—*Skate.*



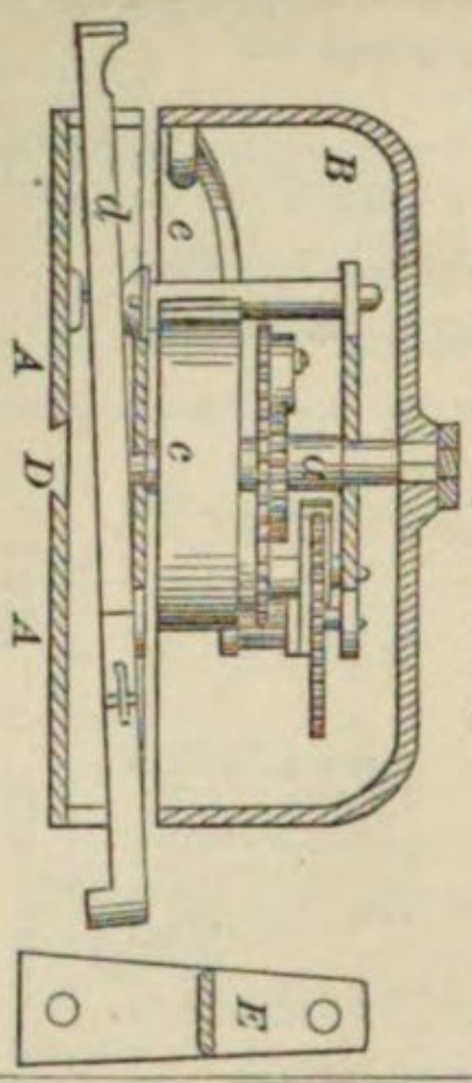
54350—J. M. Hopkins—*Flush Bolt.*



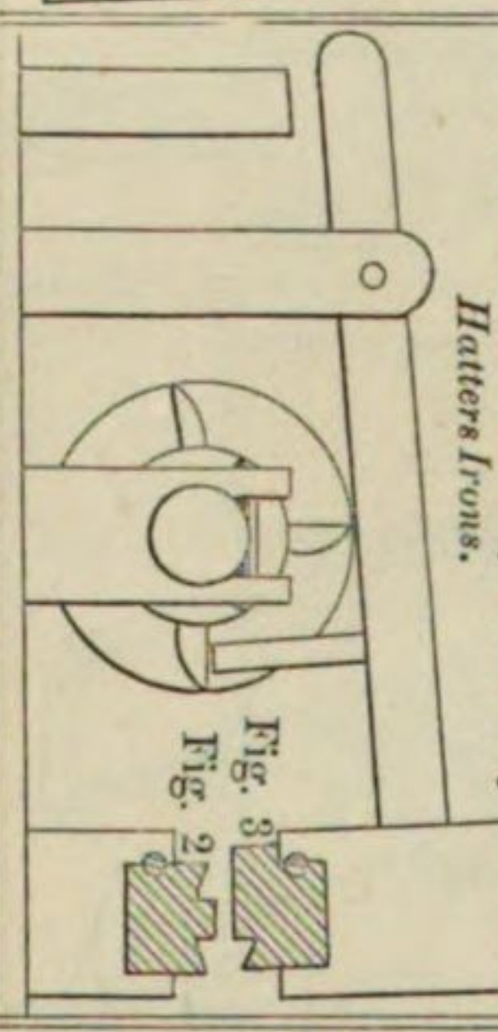
54352—H. P Hood—*Bench Vise.*



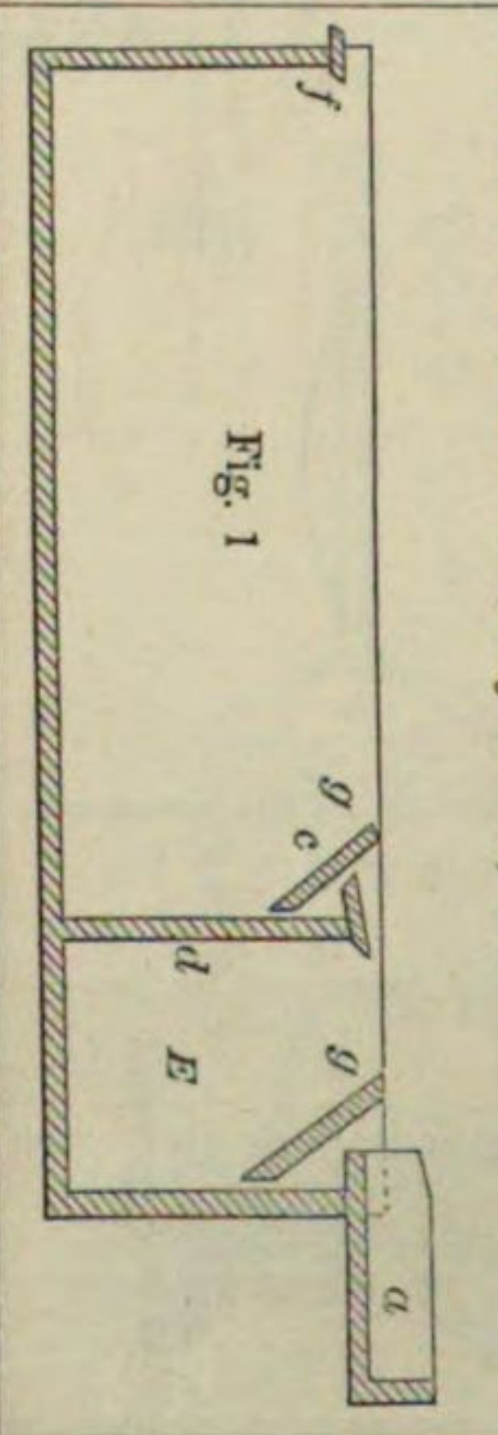
54353—E. Hoole—*Burglar Alarm.*



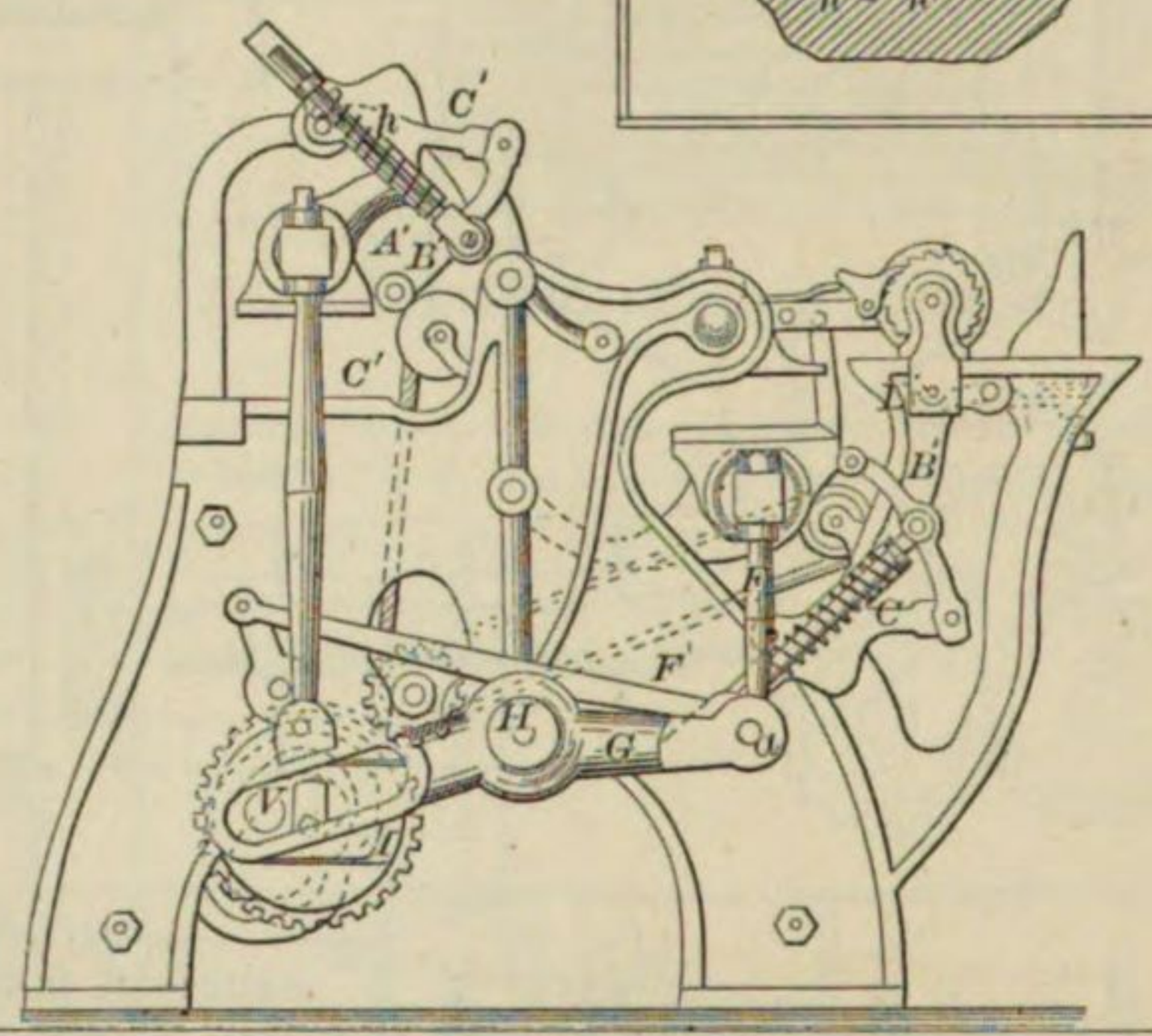
54356—B. Hull—*Die for Making Hatters Irons.*



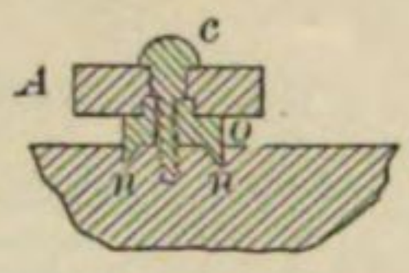
54355—D. Hull—*For Washing Kaolin, &c.*



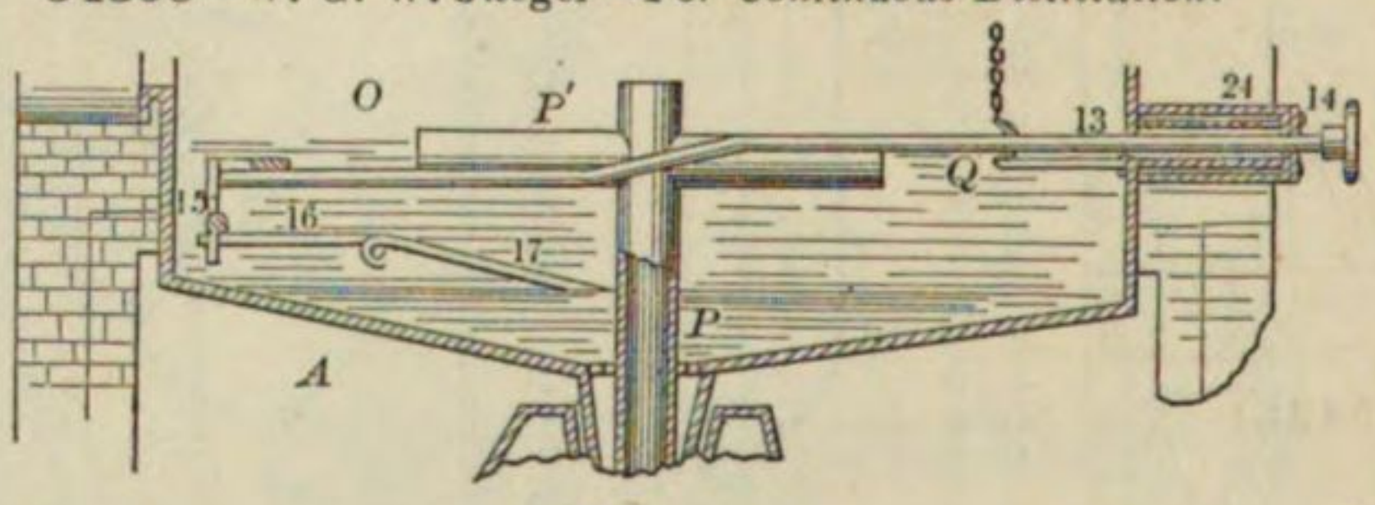
54357—M. G. Imbach—*Printing Press.*

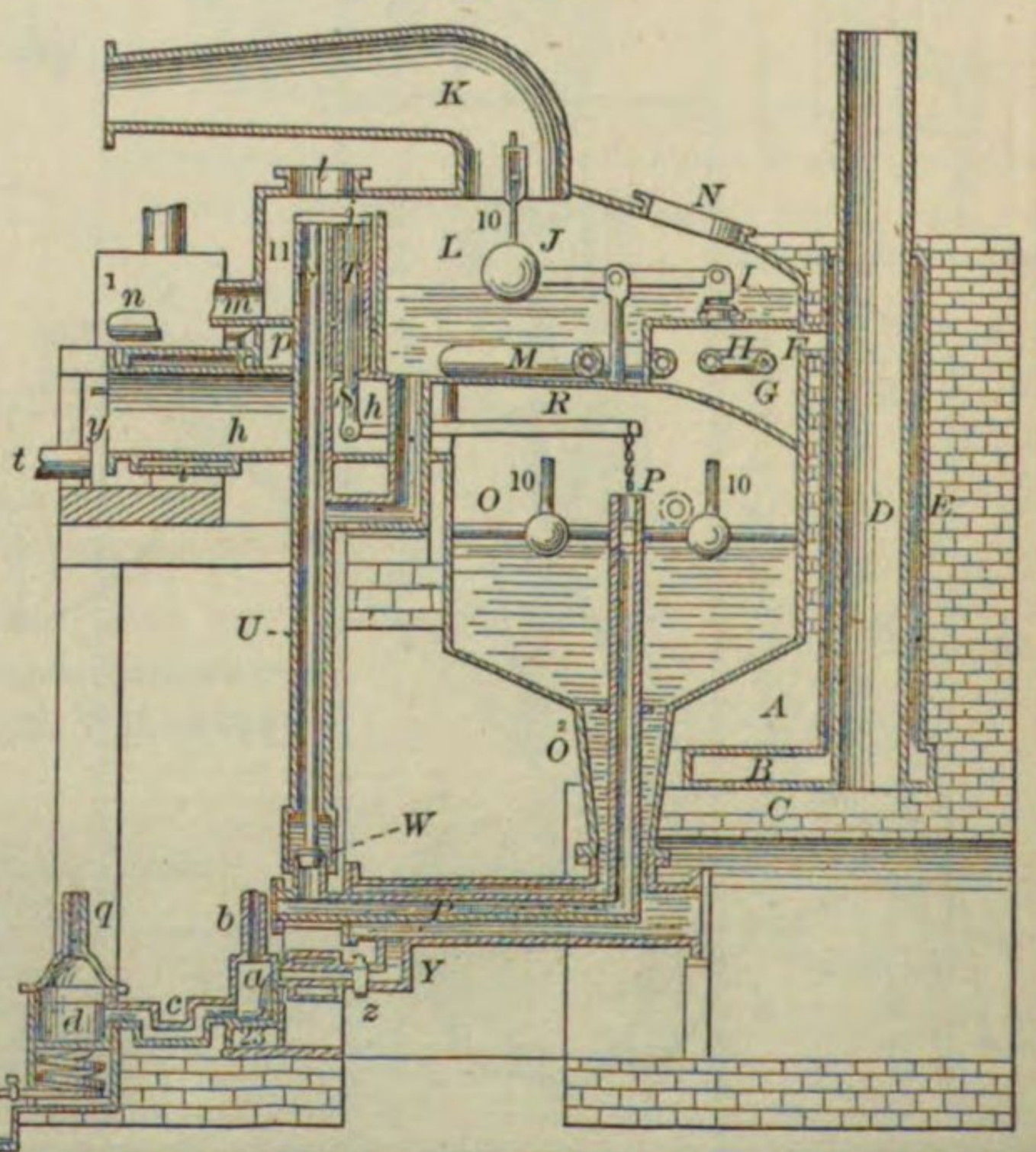


54354—J. Hopkins—*Sash Supporter and Fastener.*

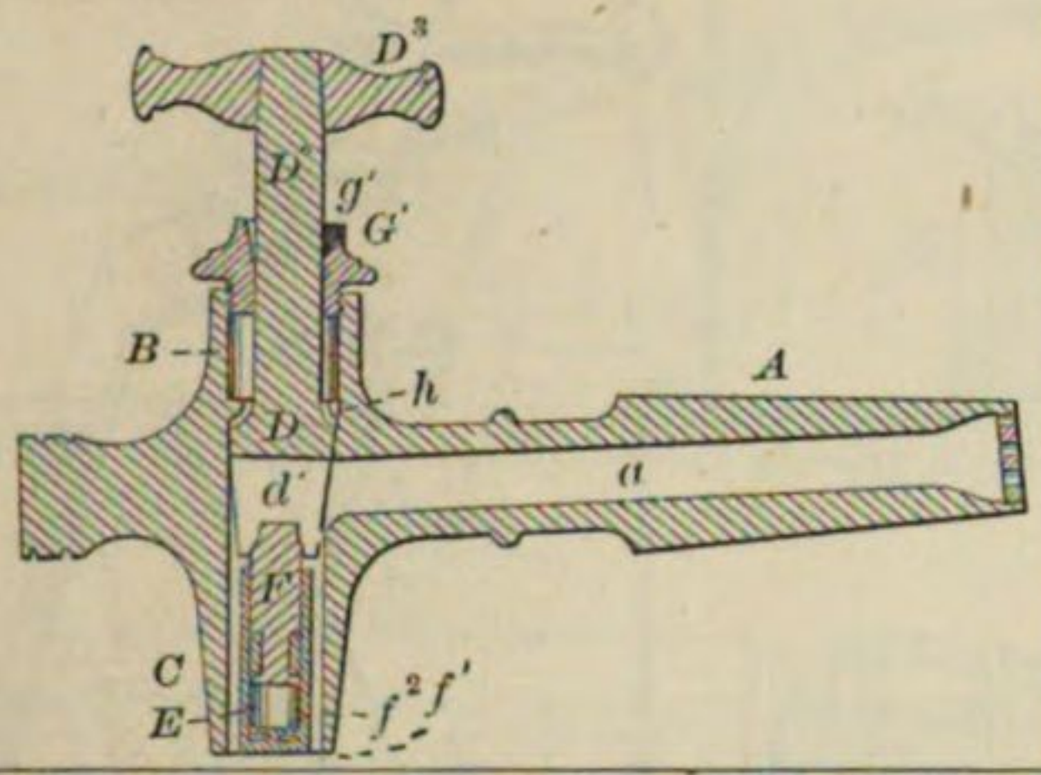


54358—W. G. W. Jaeger—*For Continuous Distillation.*

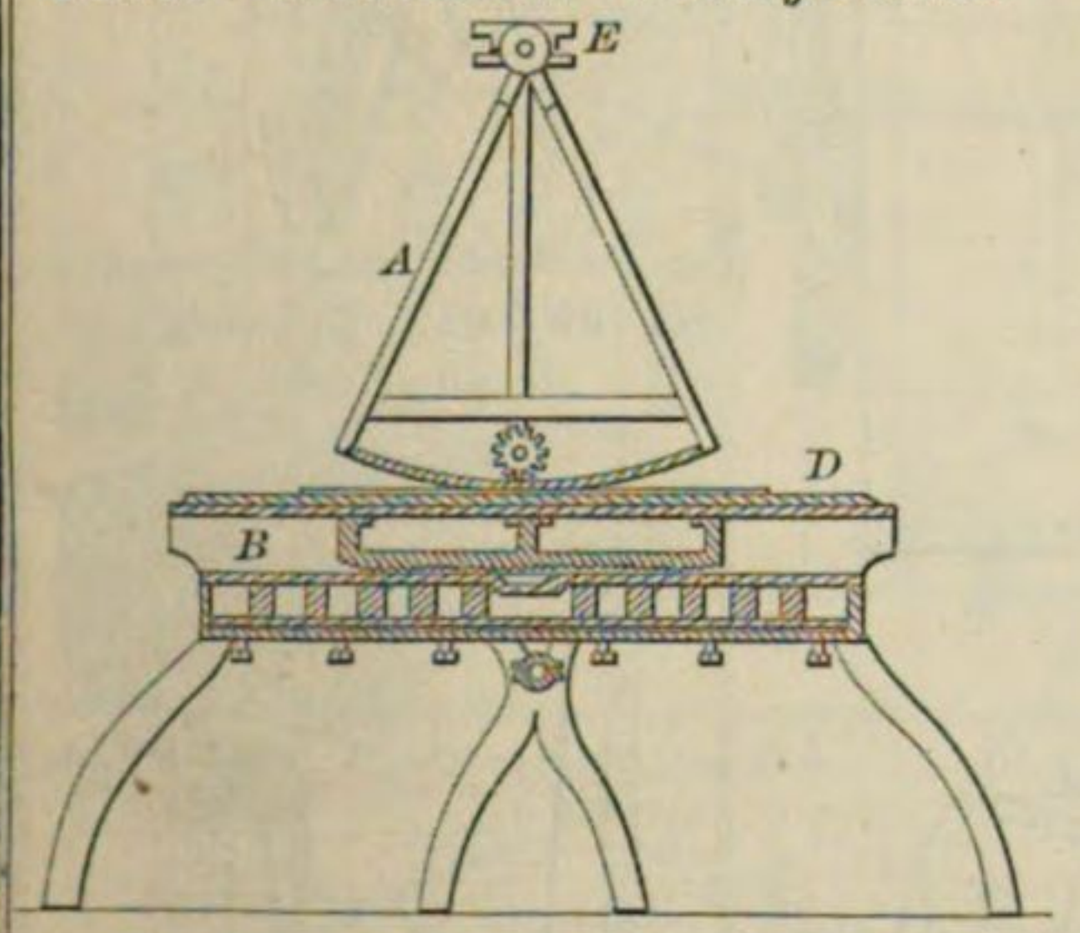




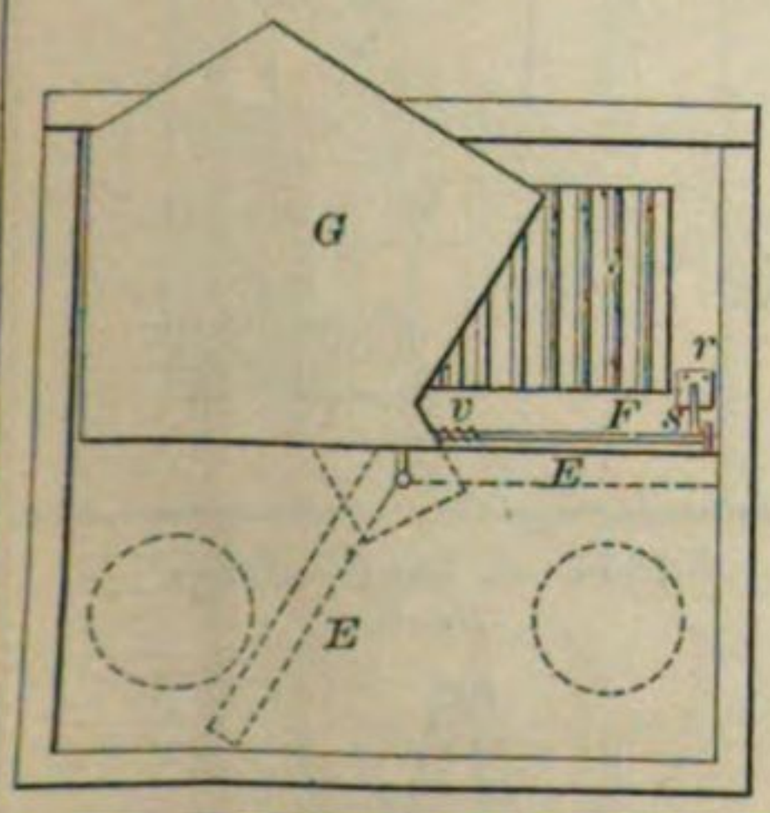
54359—J. Jahraus—*Beer Faucet.*



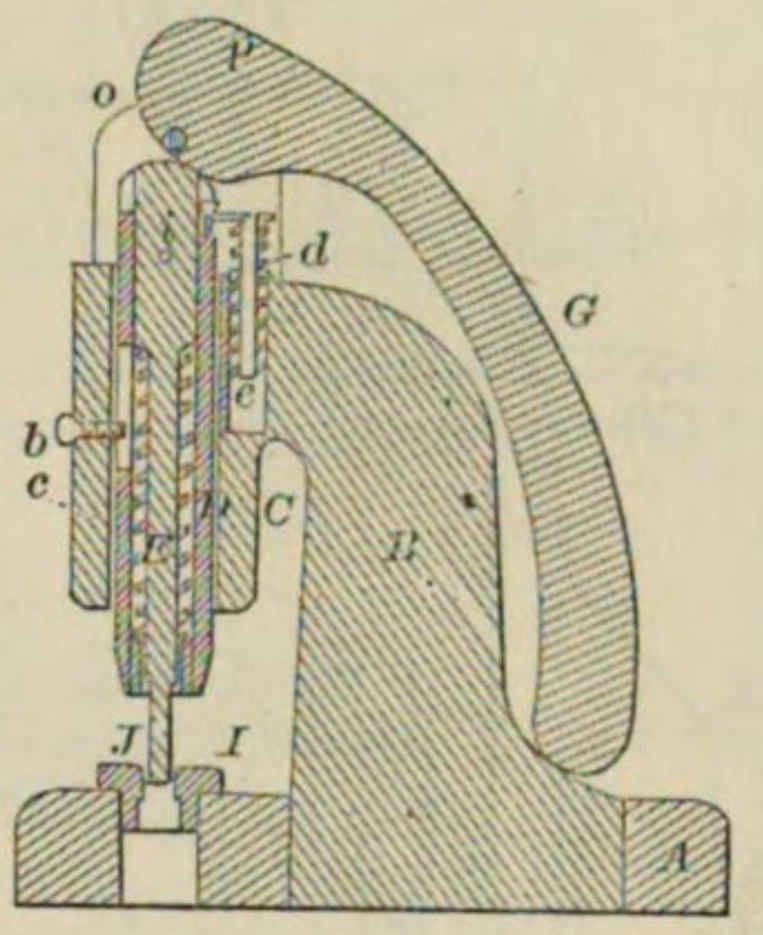
54360—G. R. Johnson—*Graining Morocco.*



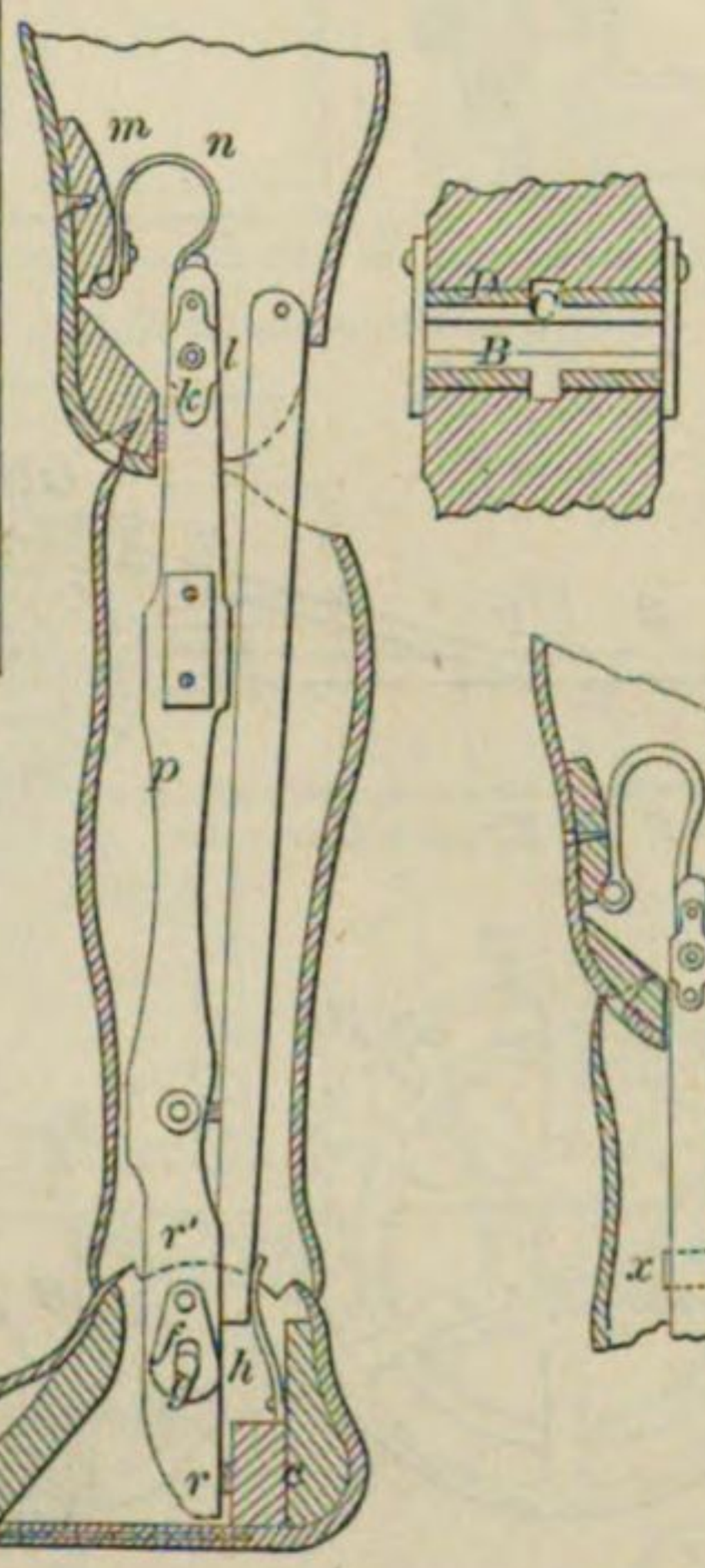
54361—S. F. Jones—*Animal Trap.*



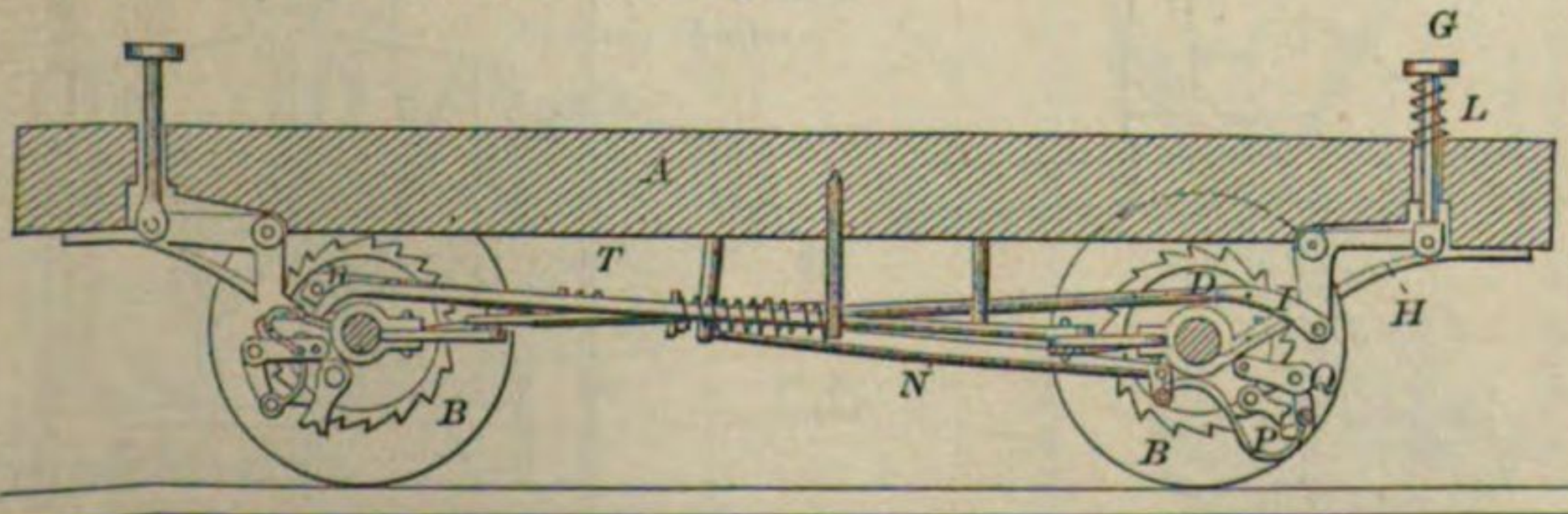
54362—J. Keith—*For Forming Pen Holder Springs.*



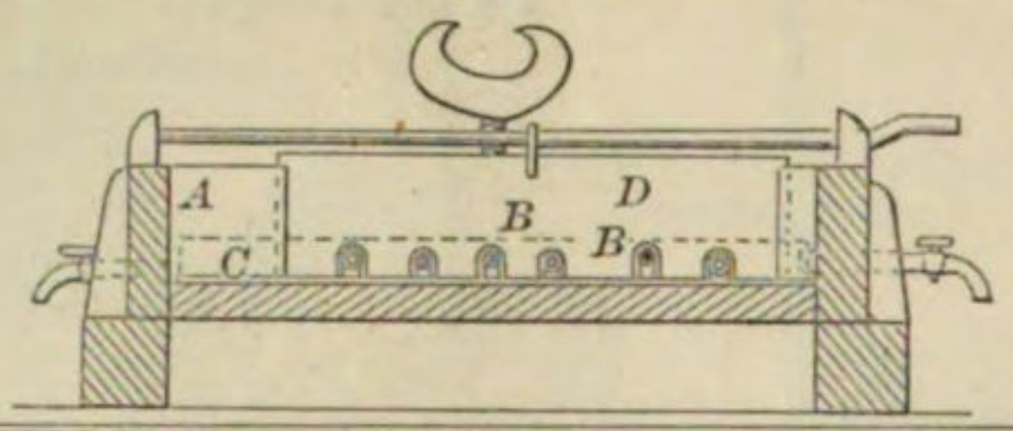
54364—Kimball & Lawrence—*Artificial Leg.*



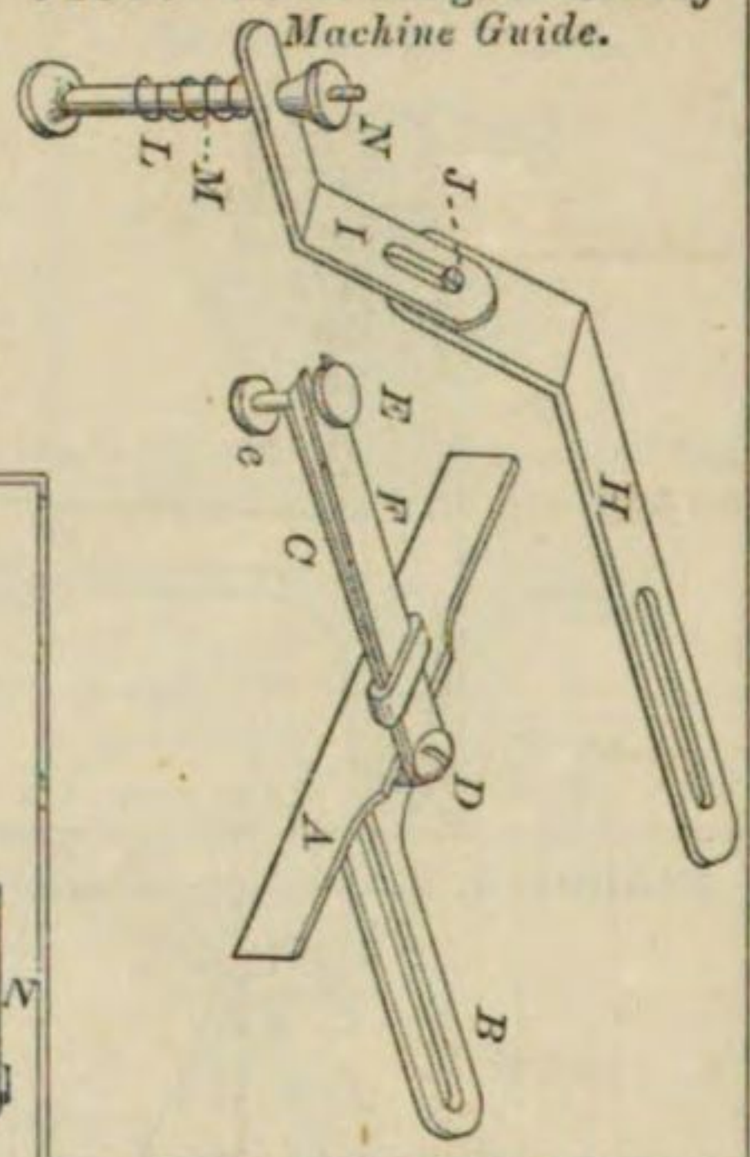
54363—J. E. Kelsey—*Stopping and Starting Cars.*



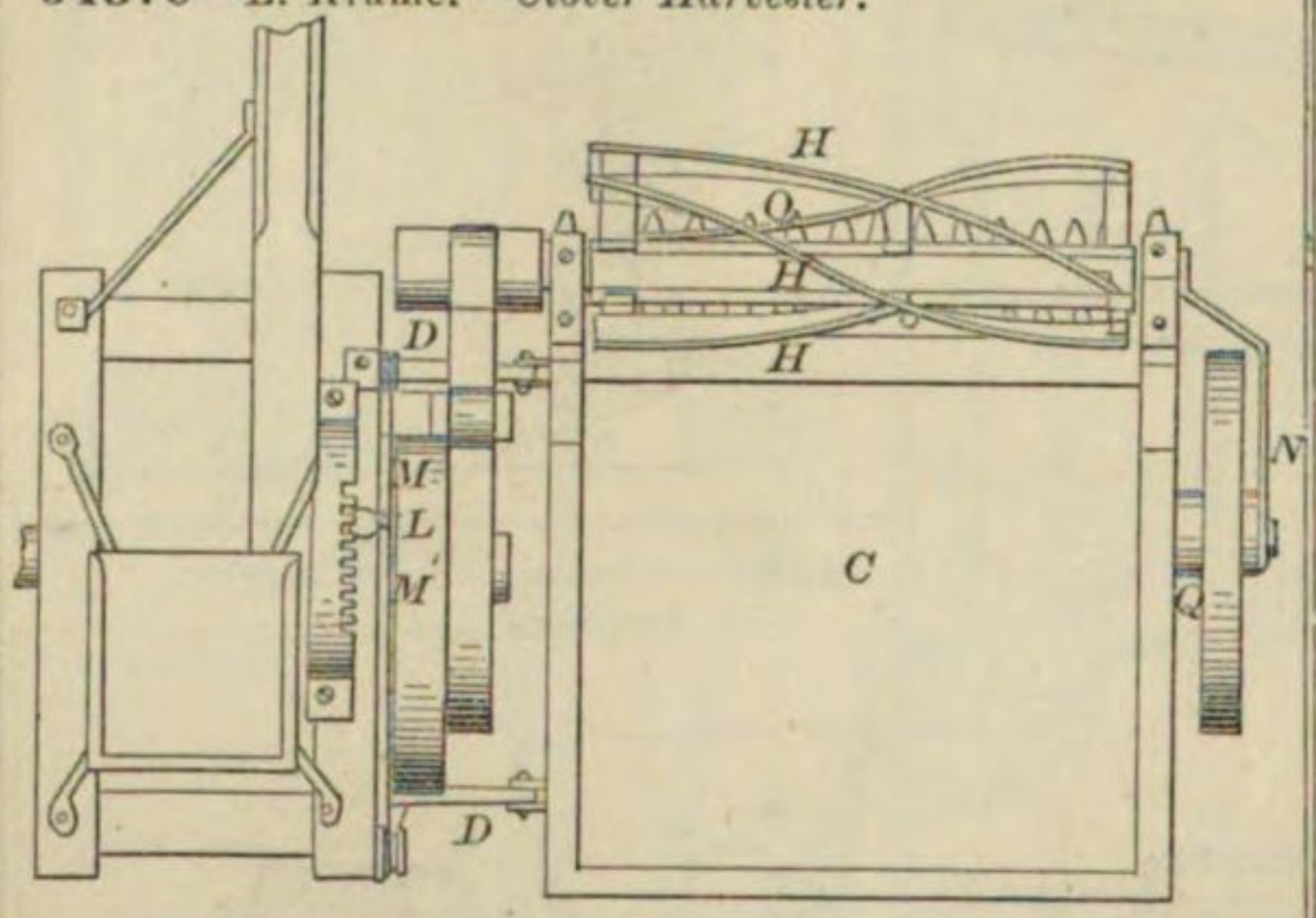
54366—T. T. Kneeland—*Sorghum Evaporator.*



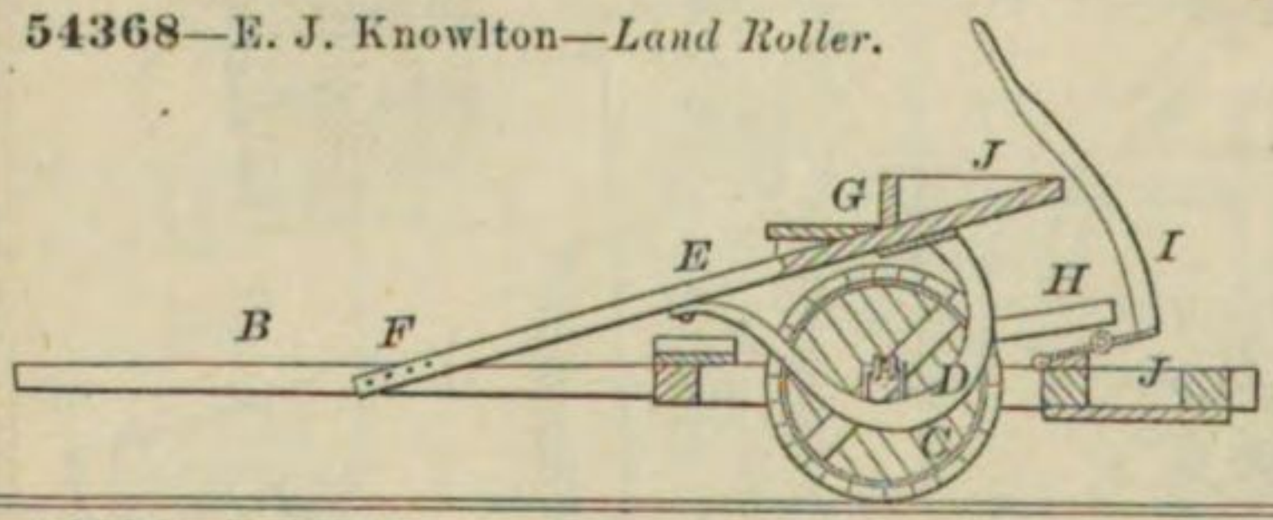
54367—E. H. Knight—*Sewing Machine Guide.*



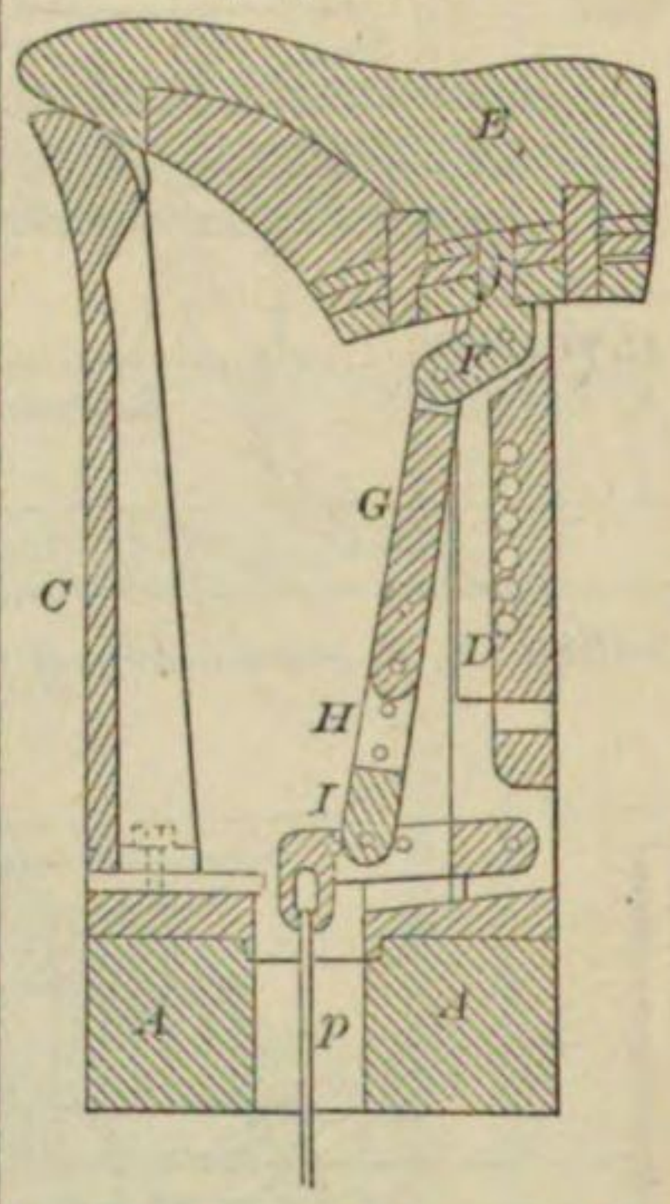
54370—E. Kramer—*Clover Harvester.*



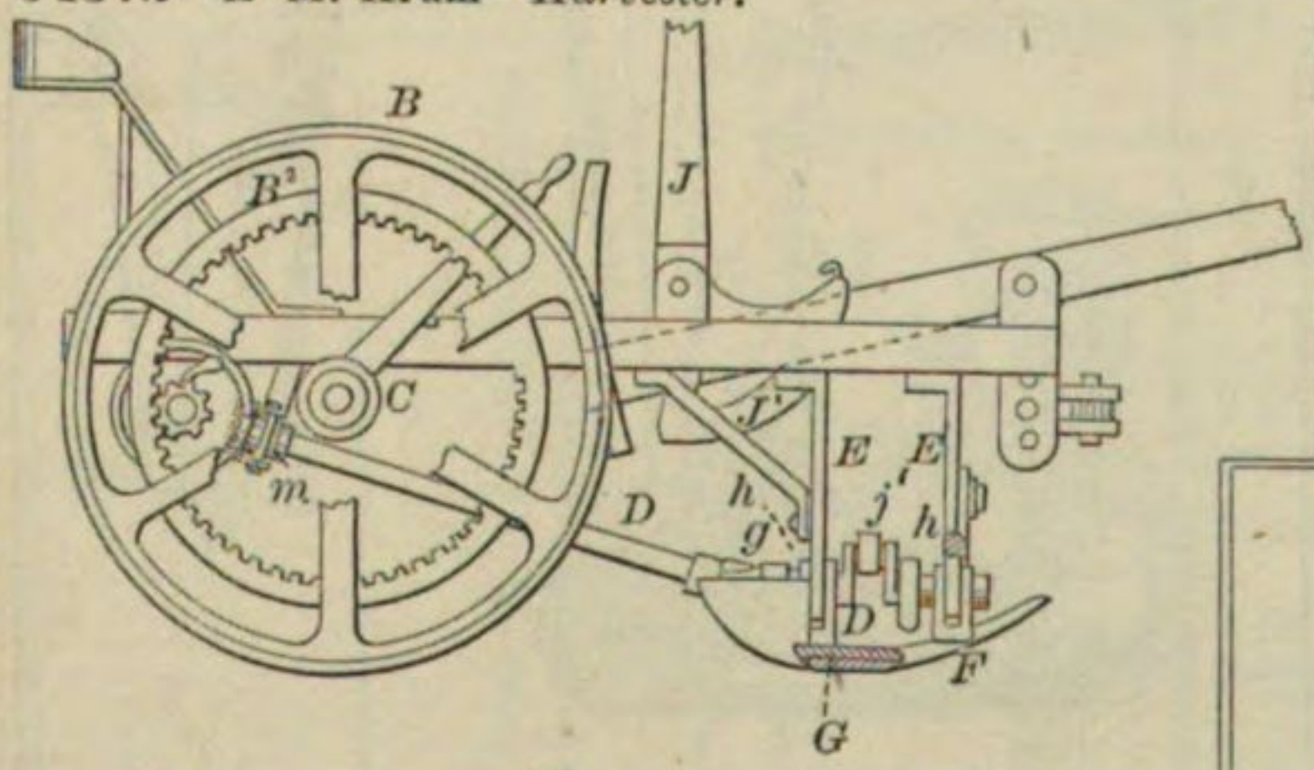
54368—E. J. Knowlton—*Land Roller.*



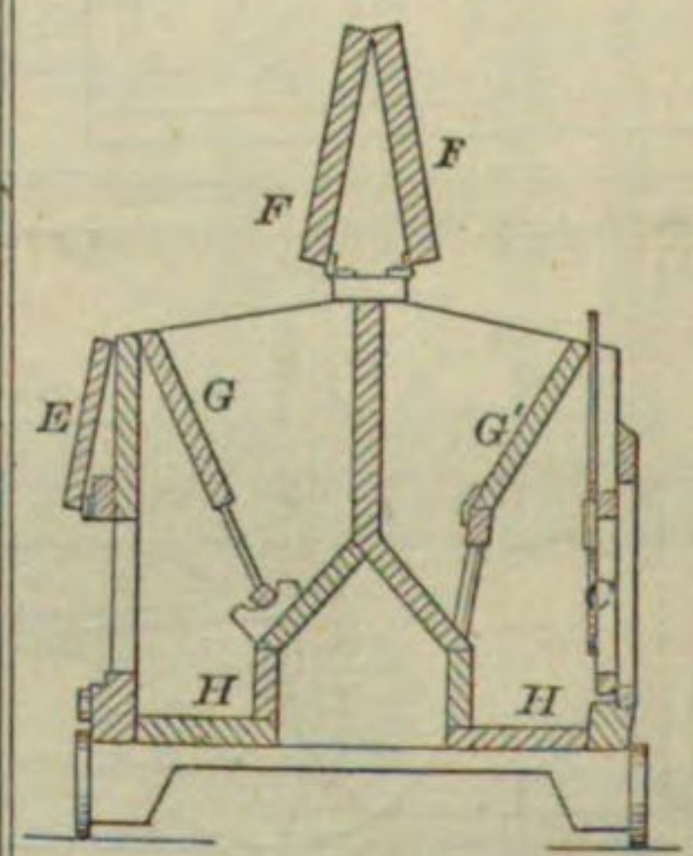
54369—G. A. Knowlton—*Pegging Jack.*

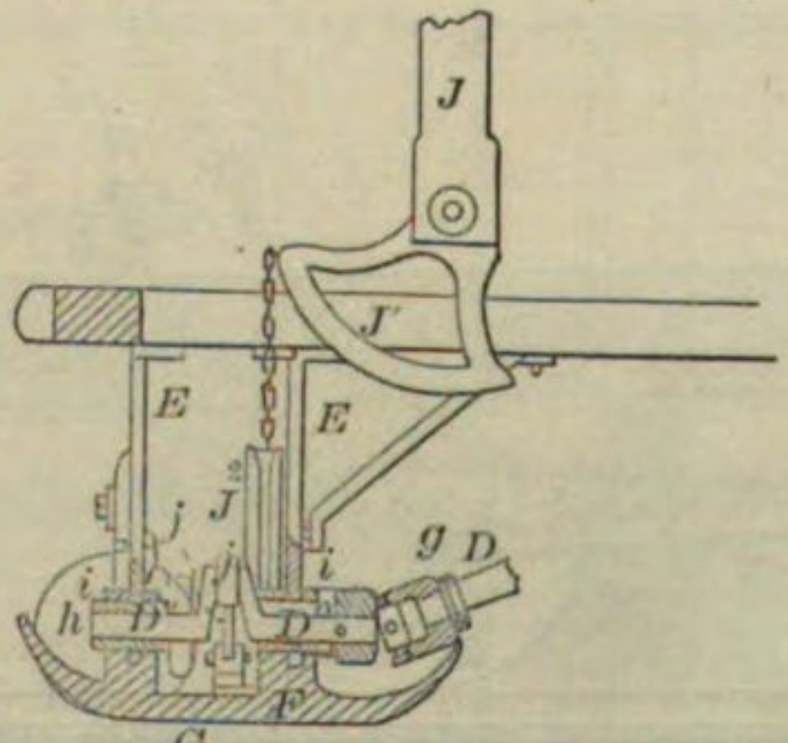


54372—E M. Krum—*Harvester.*

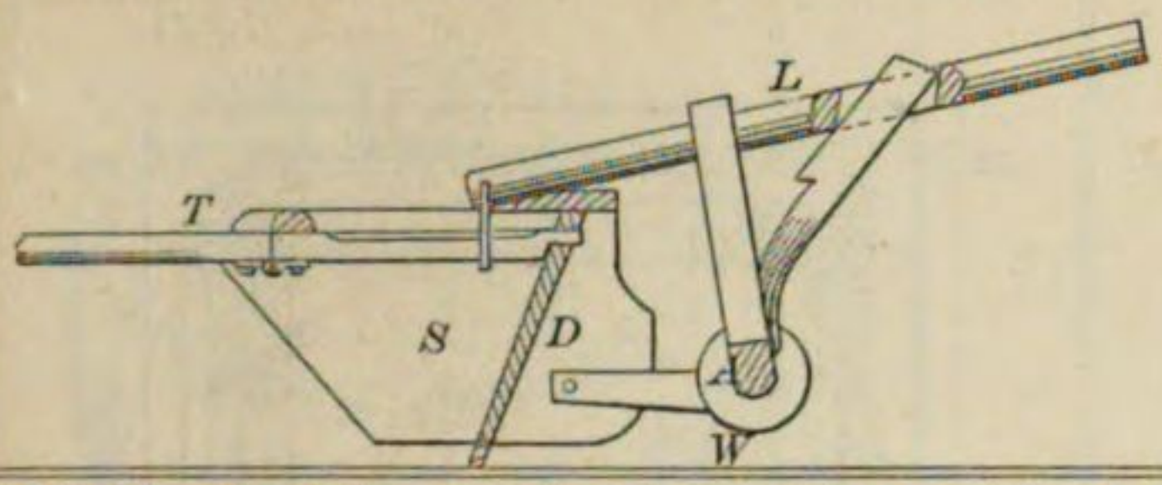


54371—S. Lahm—*Sheep Rack.*

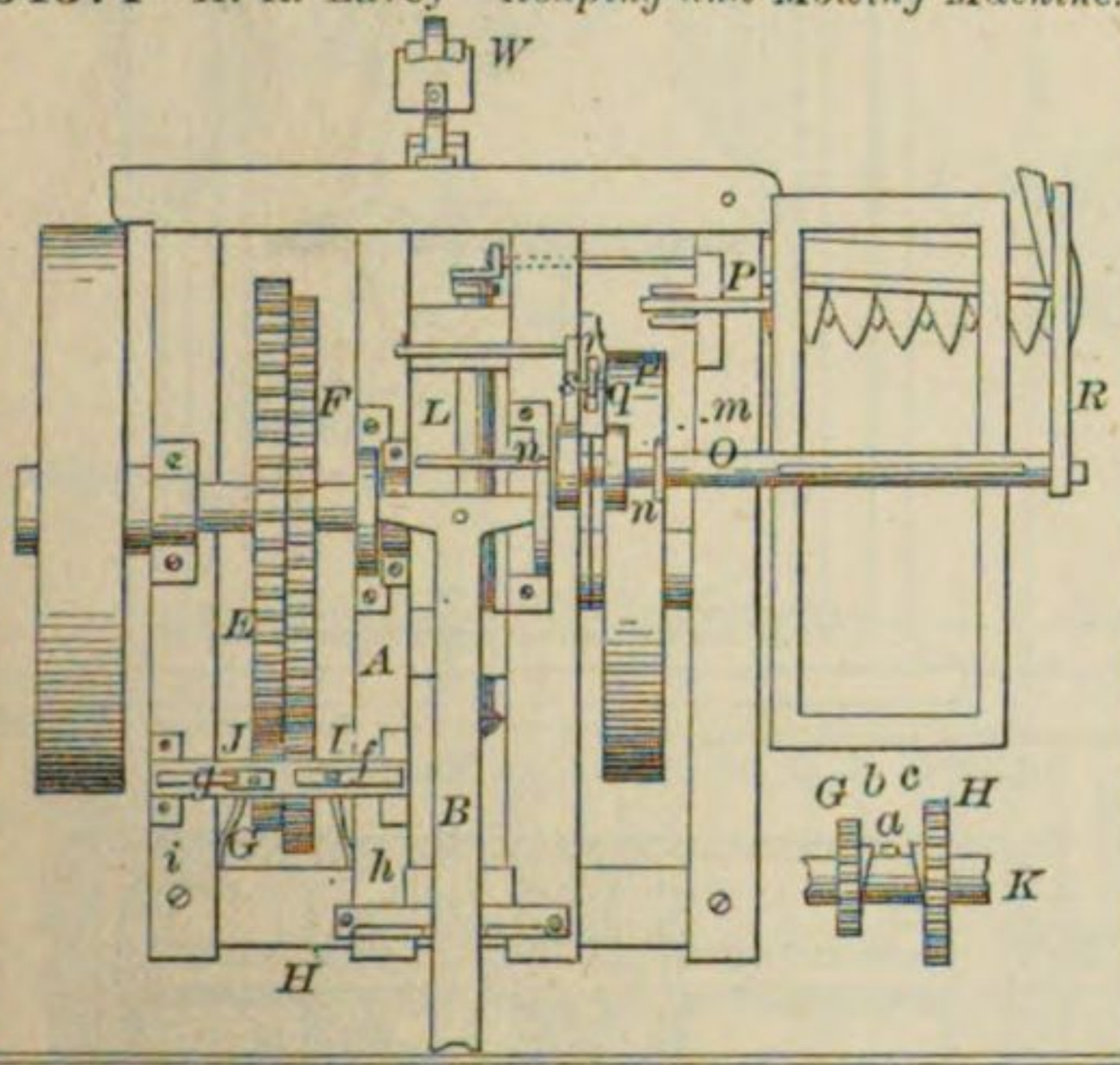




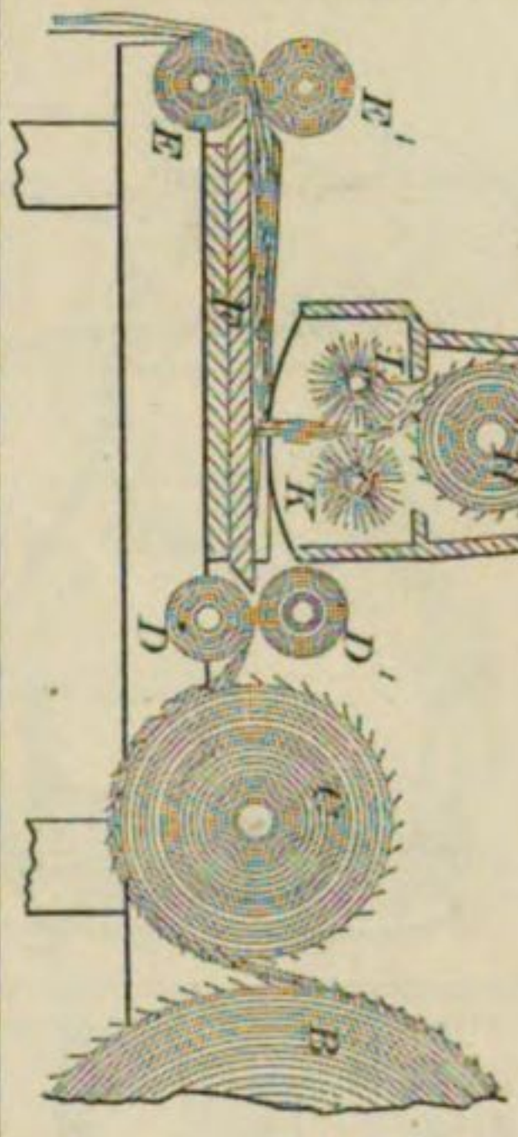
54373—S. W. Langdon—*Barn Yard Scraper.*



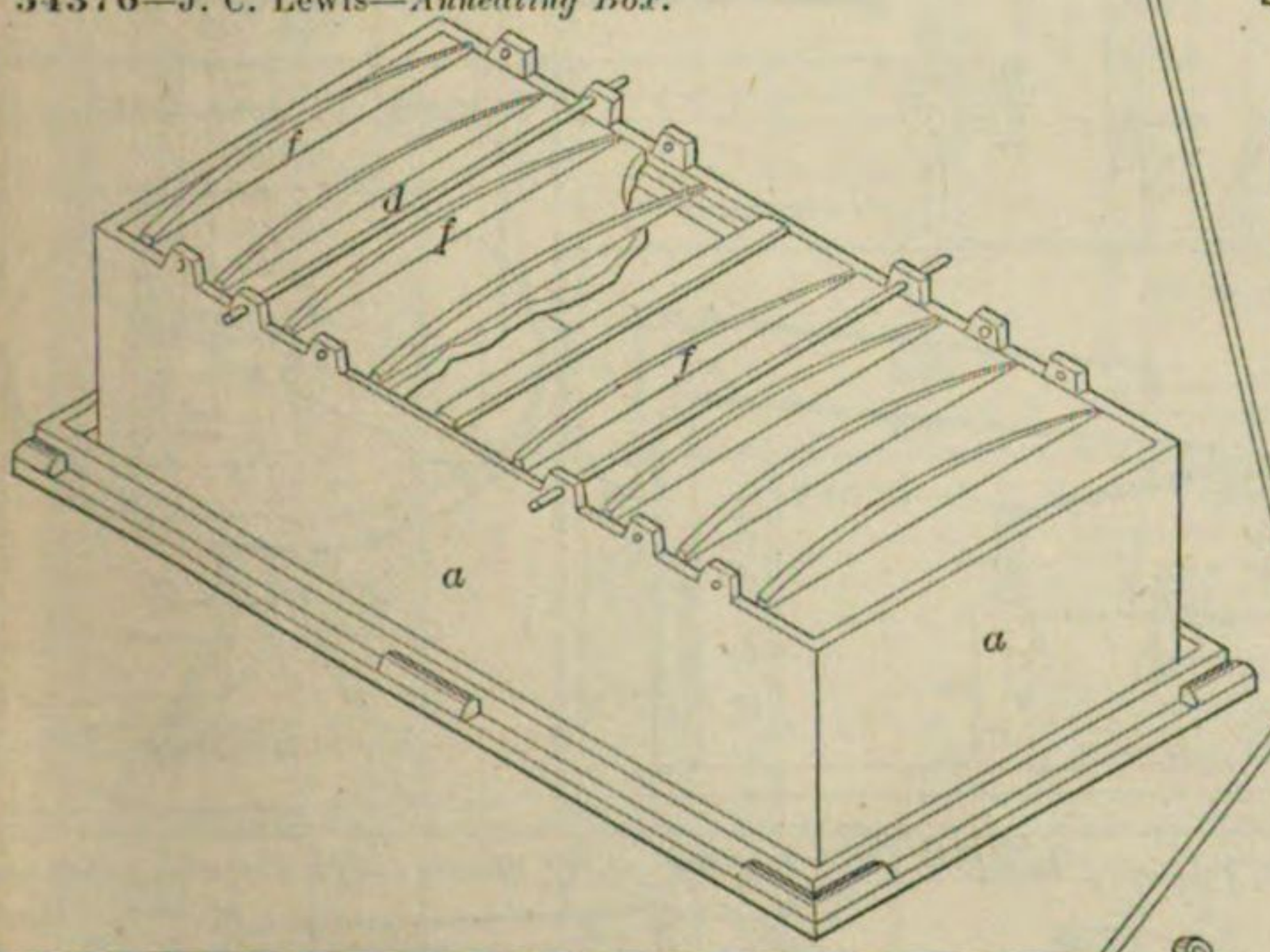
54374—H. R. Lavey—*Reaping and Mowing Machine.*



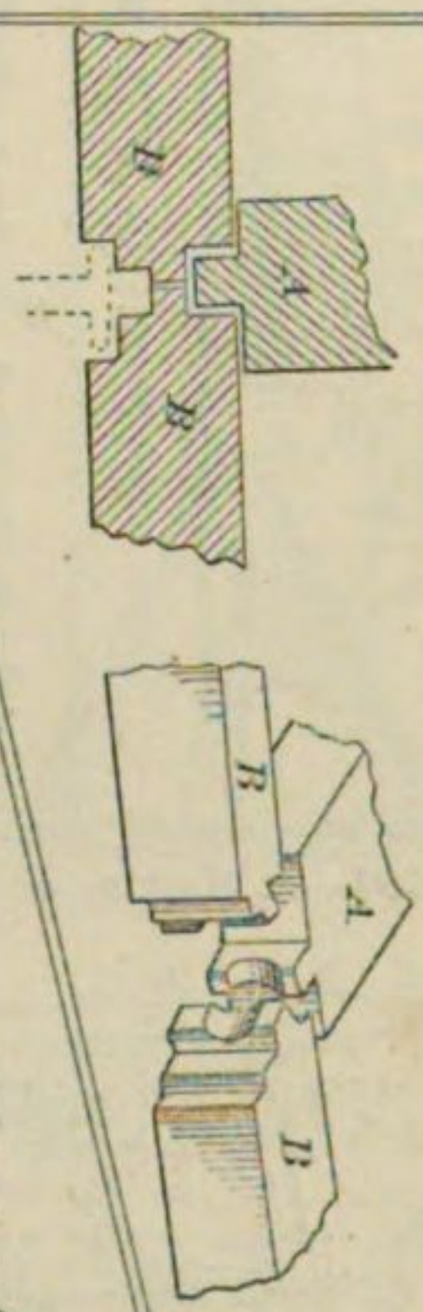
54375—J. Leinweber—*Treating Hemp or Flax Waste.*



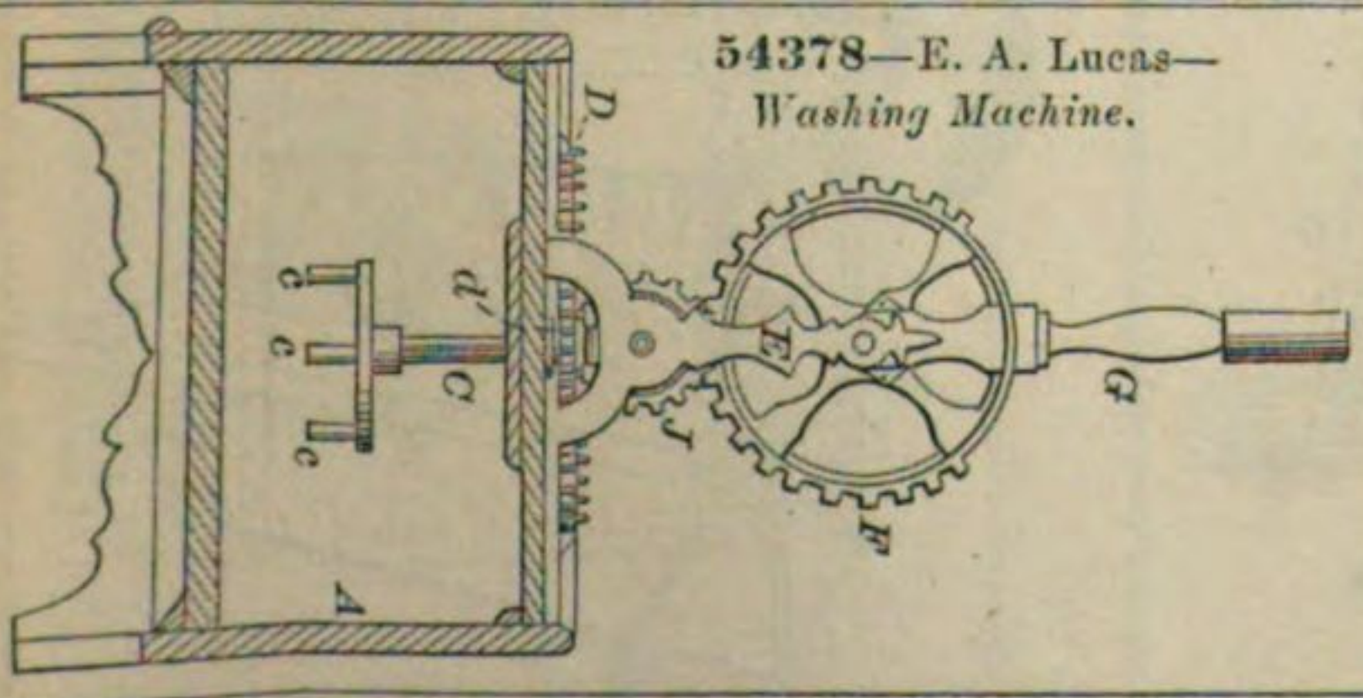
54376—J. C. Lewis—*Annealing Box.*



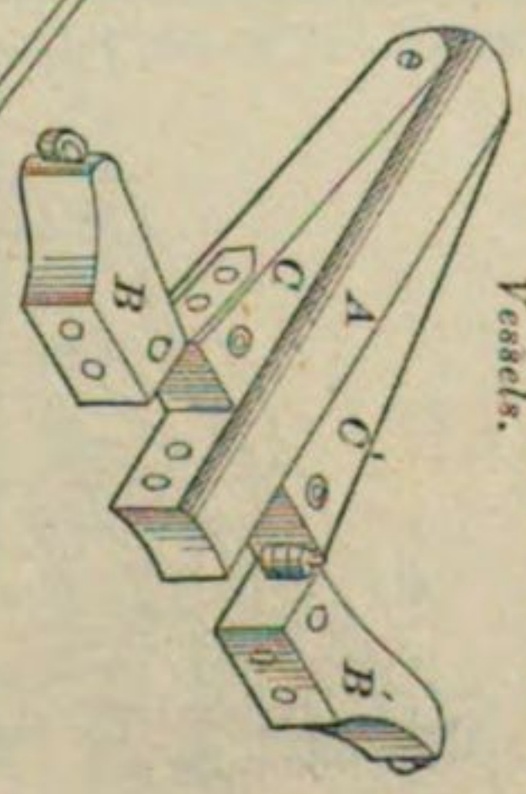
54377—W. J. Lewis—*Die for Making T-Head Bolts.*



54378—E. A. Lucas—*Washing Machine.*

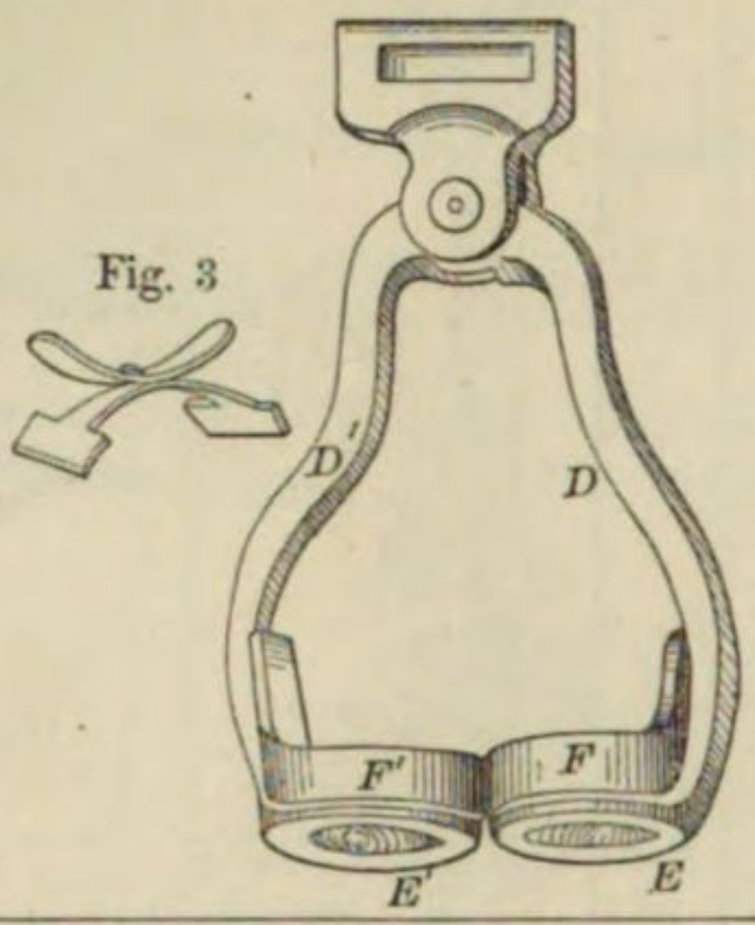


54379—A. Manning—*Jaw for Booms of Vessels.*

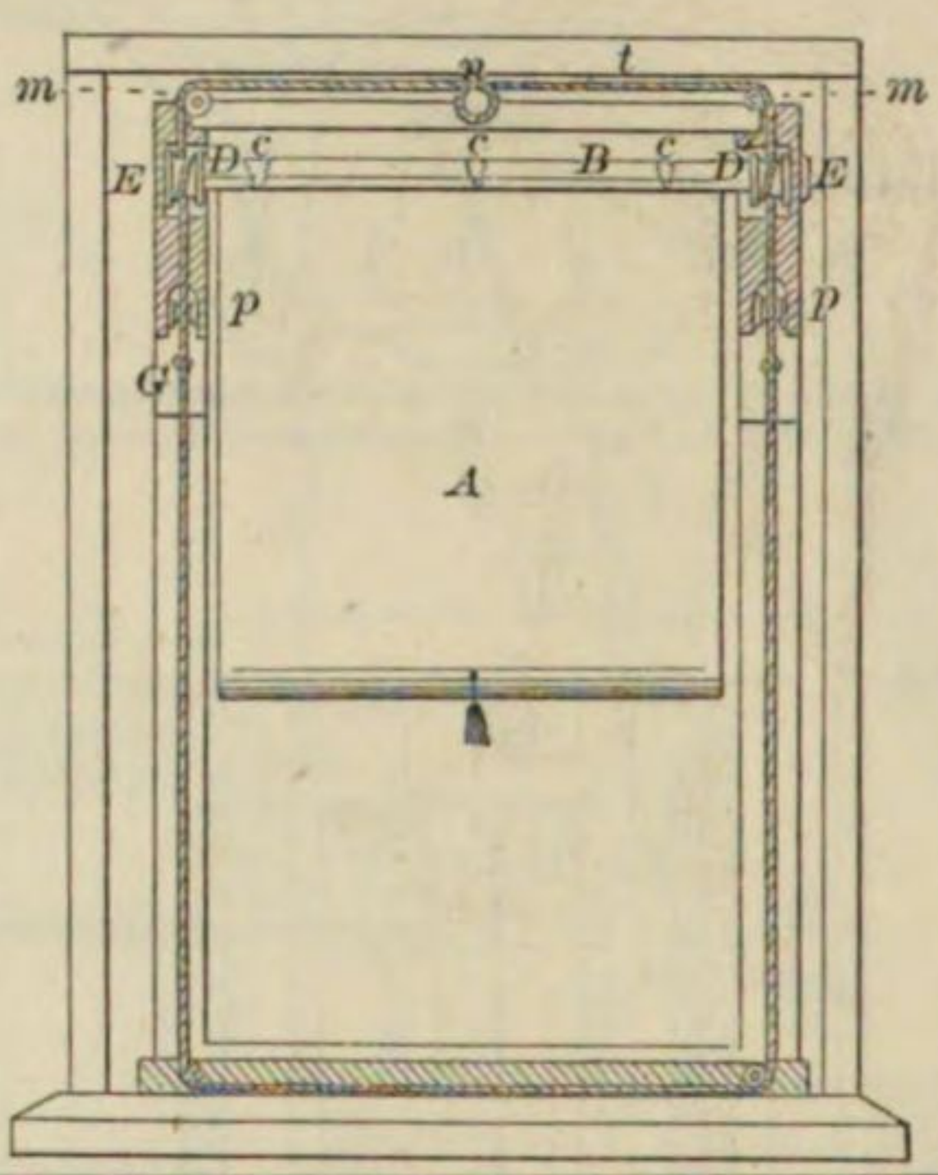


54380—F. N. Martin—*Stirrup.*

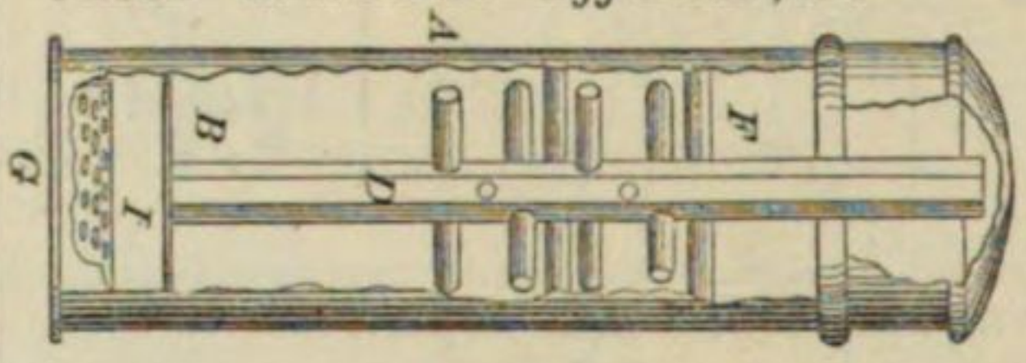
Fig. 3



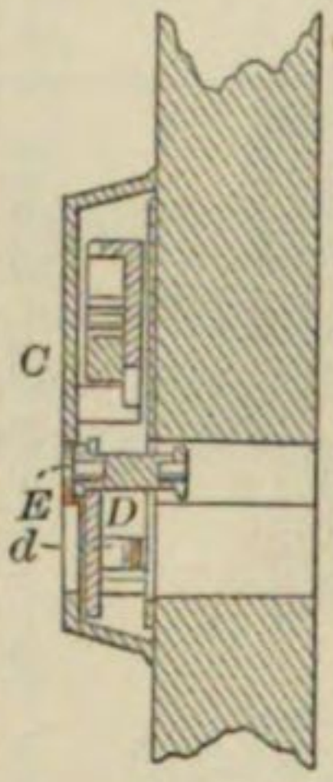
54384—E. Mentz—*Curtain Fixture.*



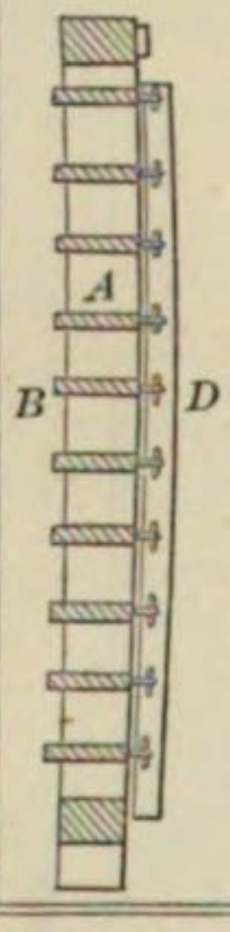
54388—S. C. Moore—*Egg Beater, &c.*



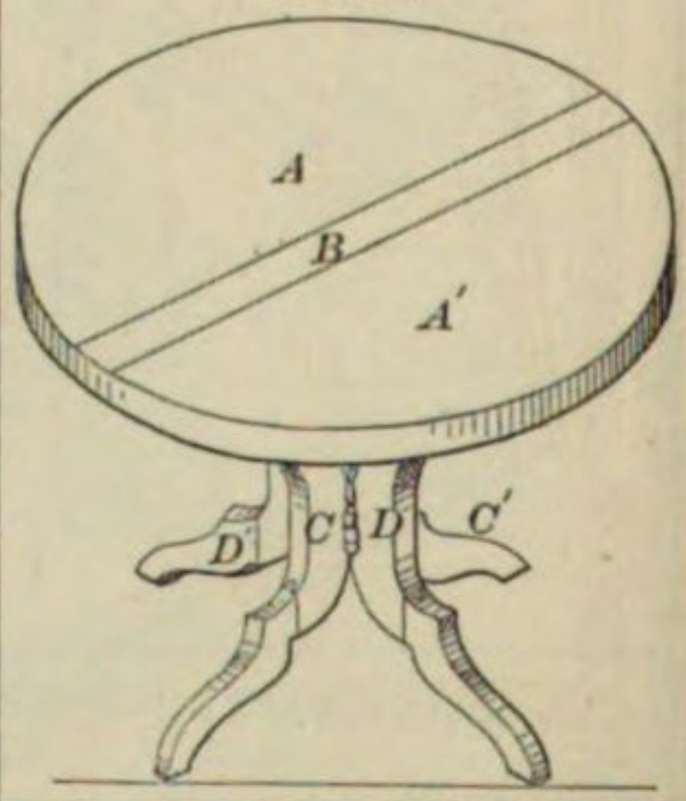
54383—W. C. McGill—*Lock.*



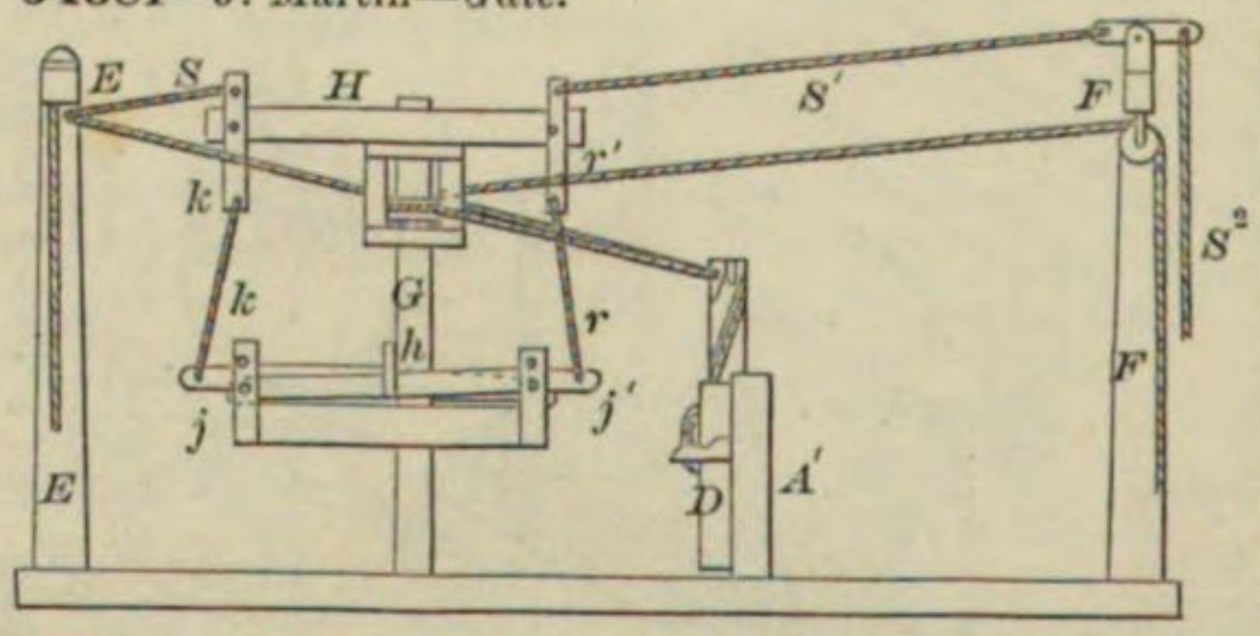
54385—S. W. Merrill—*Window Blind.*



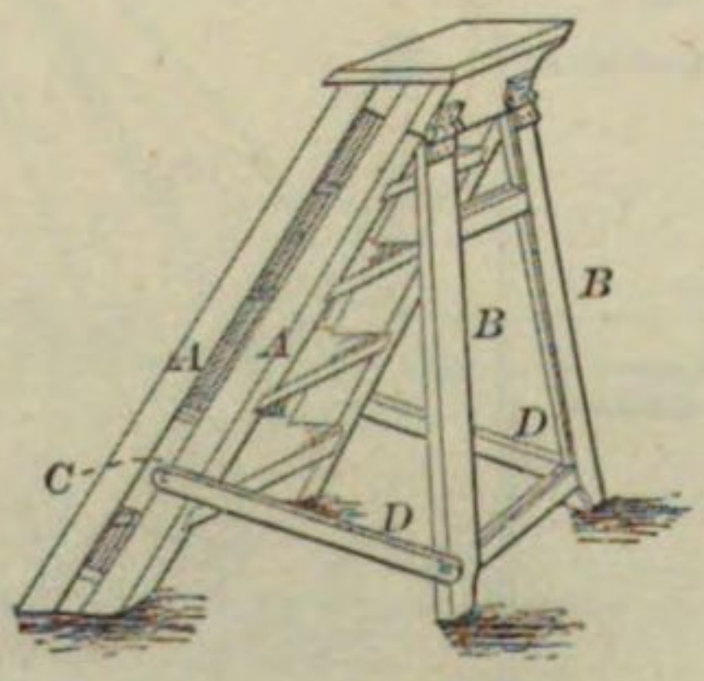
54386—F. Mohr—*Folding Table.*



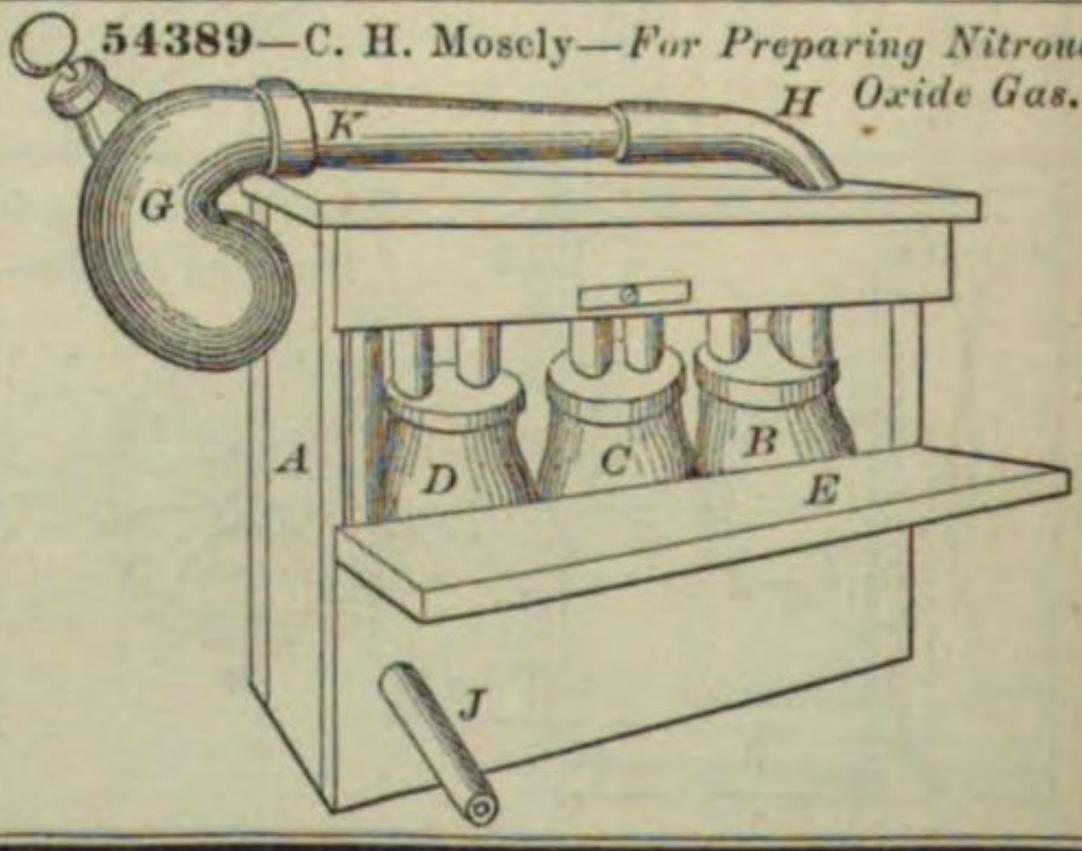
54381—J. Martin—*Gate.*



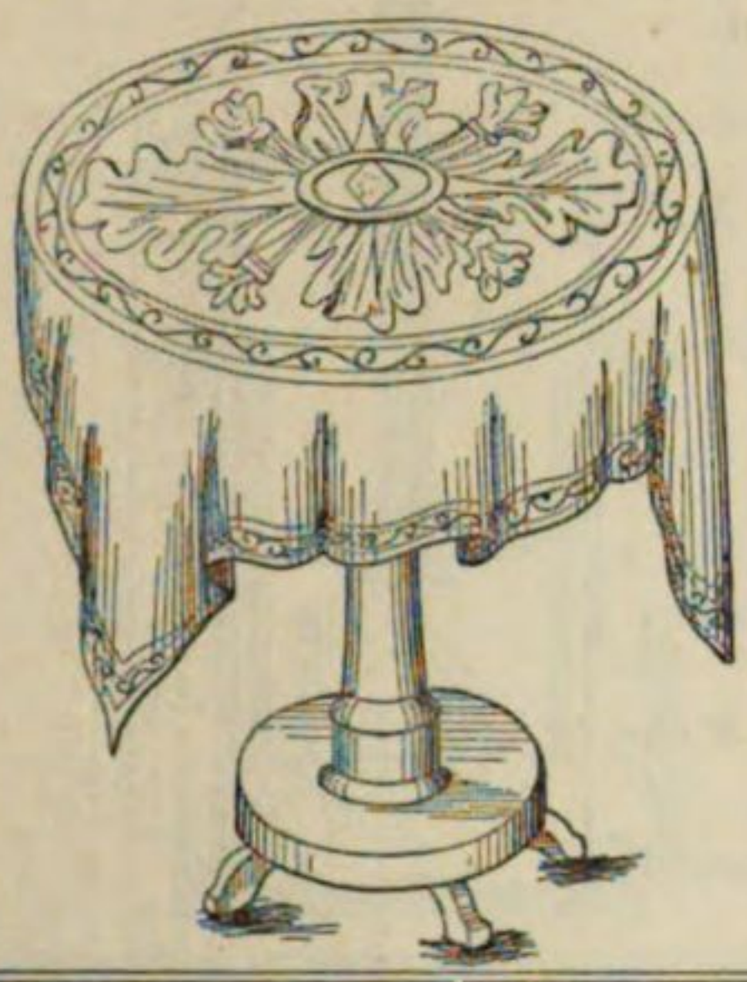
54387—A. Moore, Jr.—*Step Ladder.*



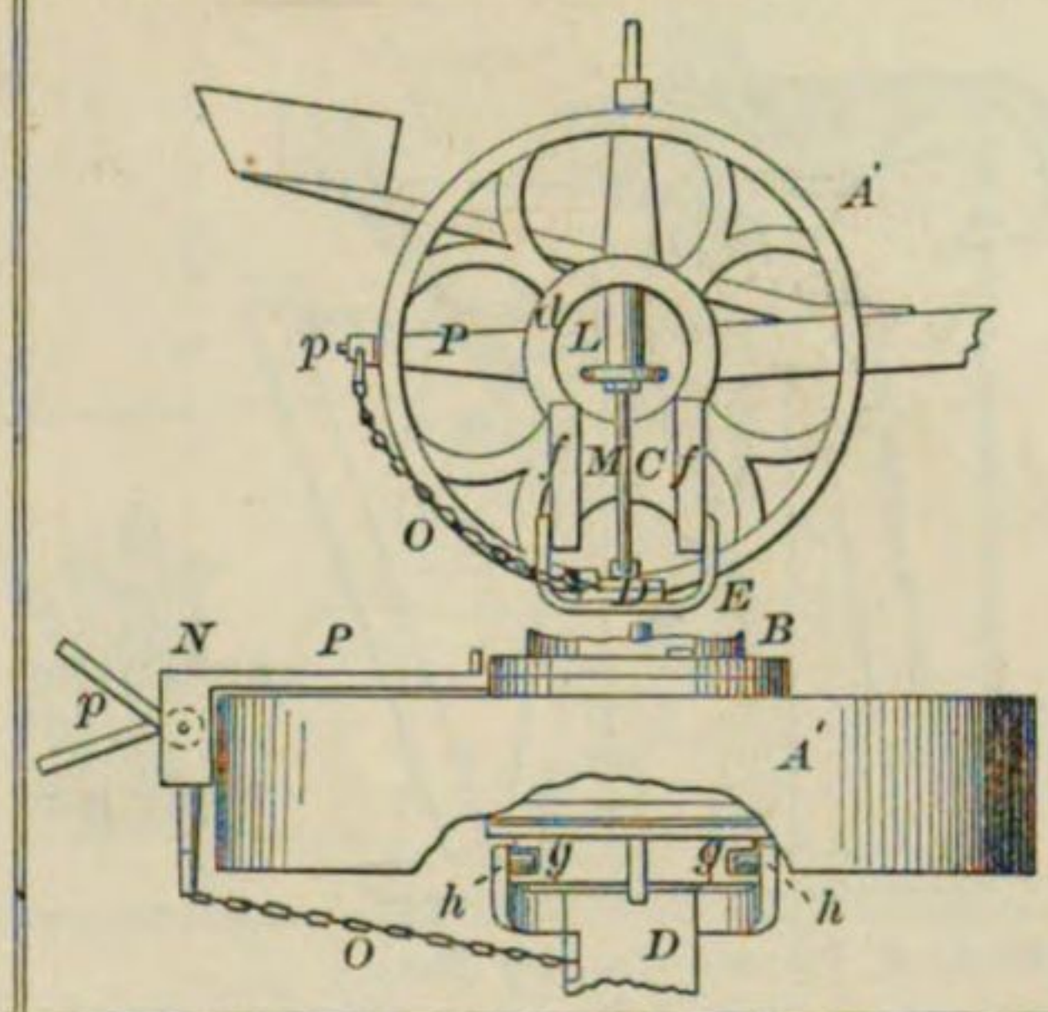
54389—C. H. Mosely—*For Preparing Nitrous Oxide Gas.*



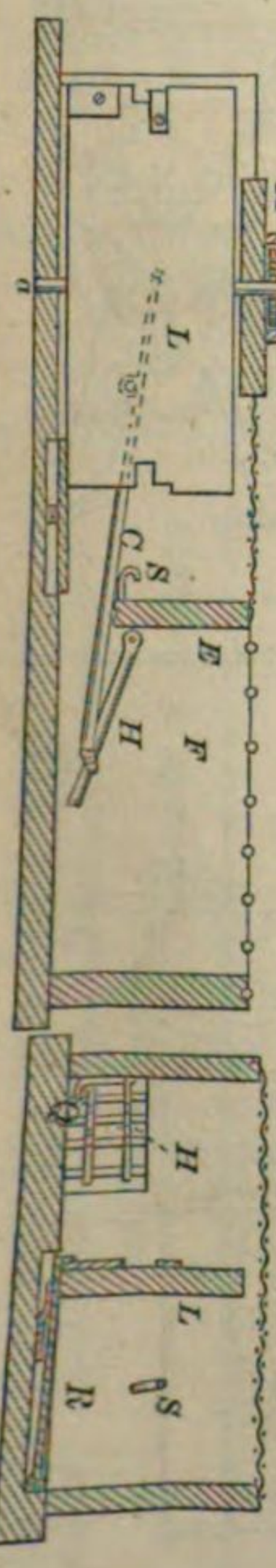
54390—A. L. Munson—*Table Cover.*



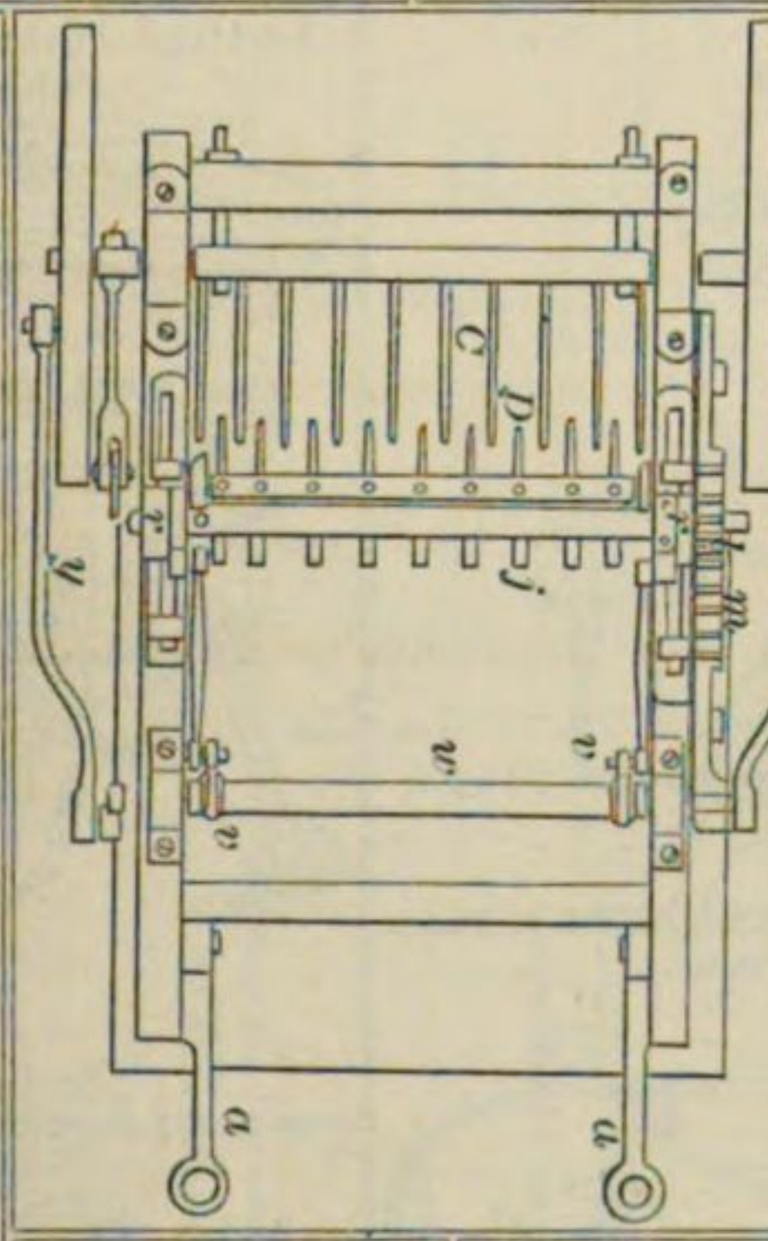
54396—A. Palmer—*Harvester.*



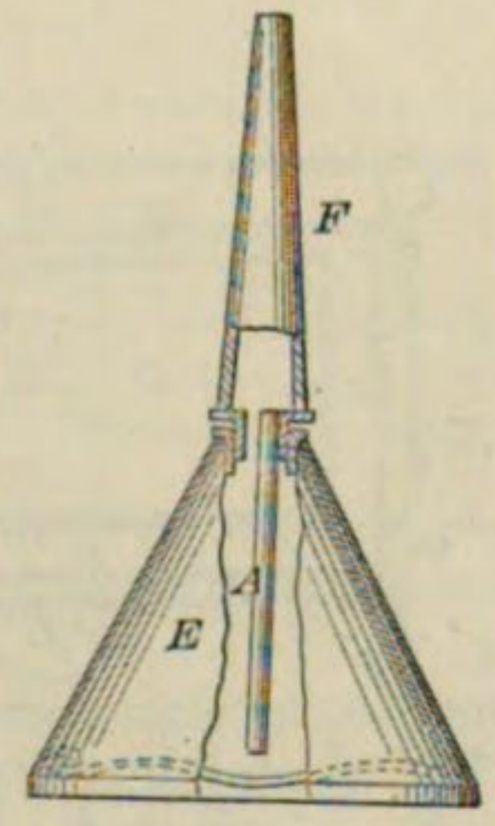
54393—W. H. Newby—*Animal Trap.*



54392—Nevergold & Stackhouse—*For Raking and Loading Hay.*

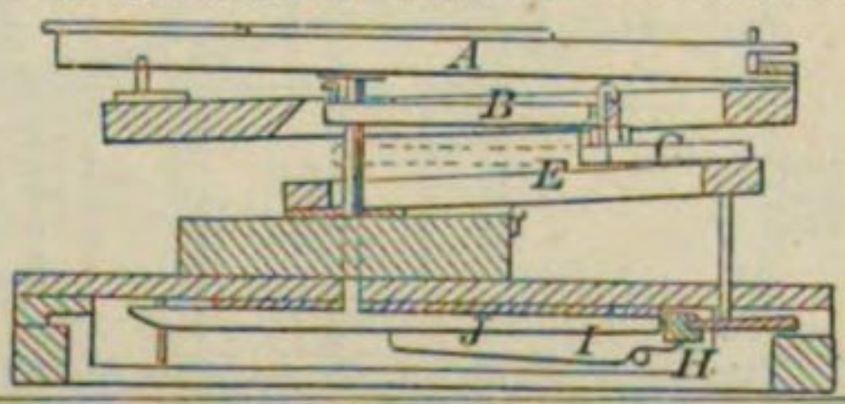


54394—L. H. Olmsted—*Oiler.*

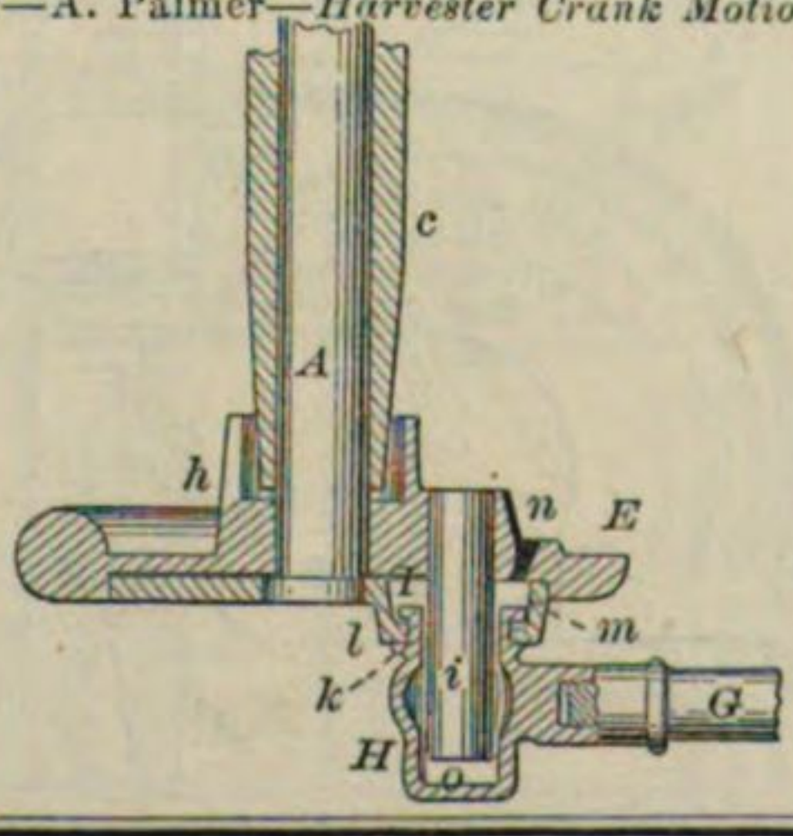


54391—G. R. Nebinger—*Broom Head.*

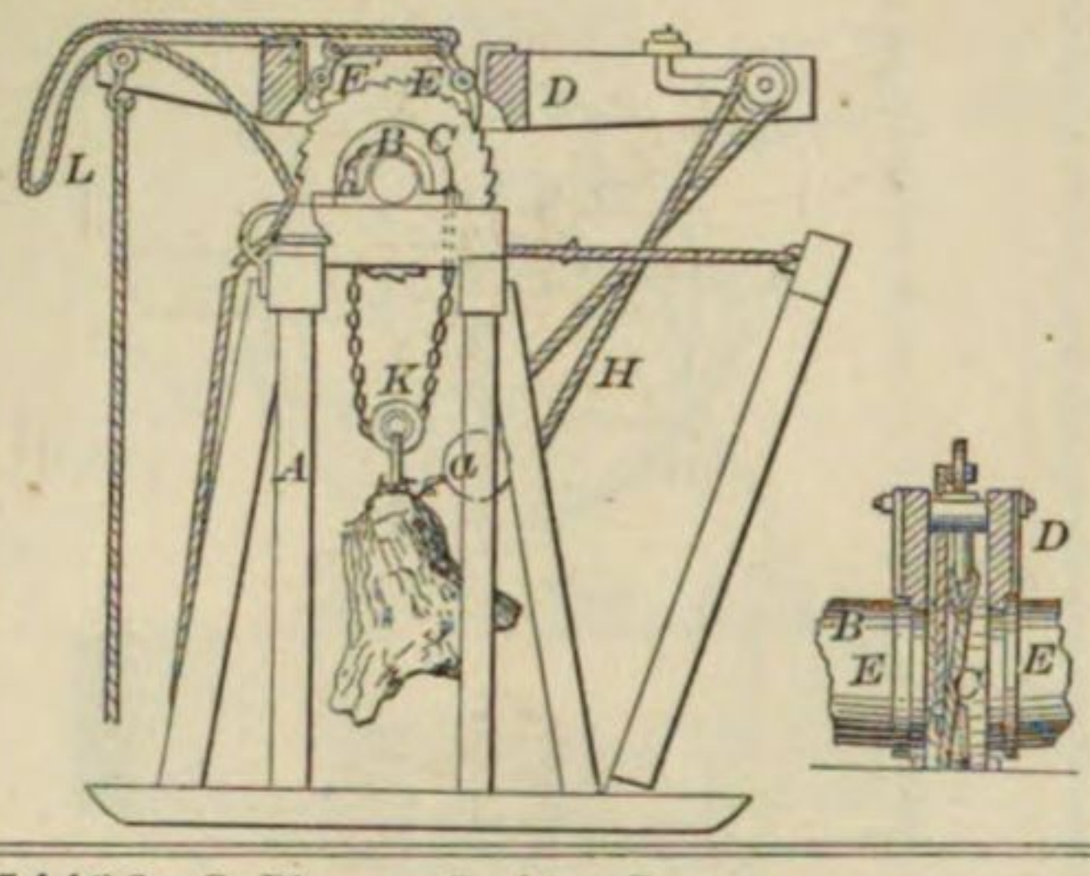
54395—I. T. Packard—*Reed Musical Instrument.*



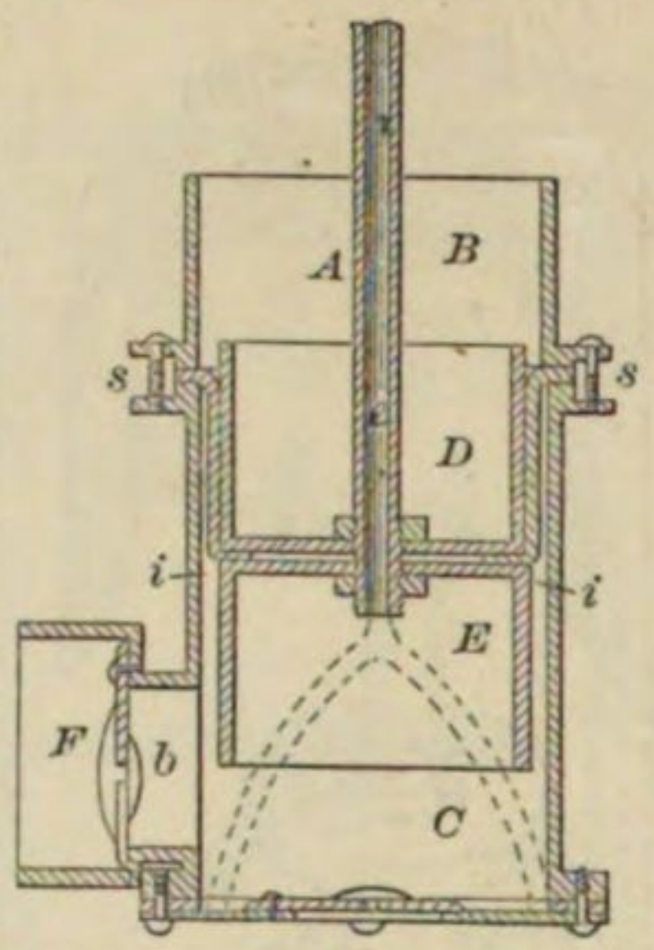
54397—A. Palmer—*Harvester Crank Motion.*



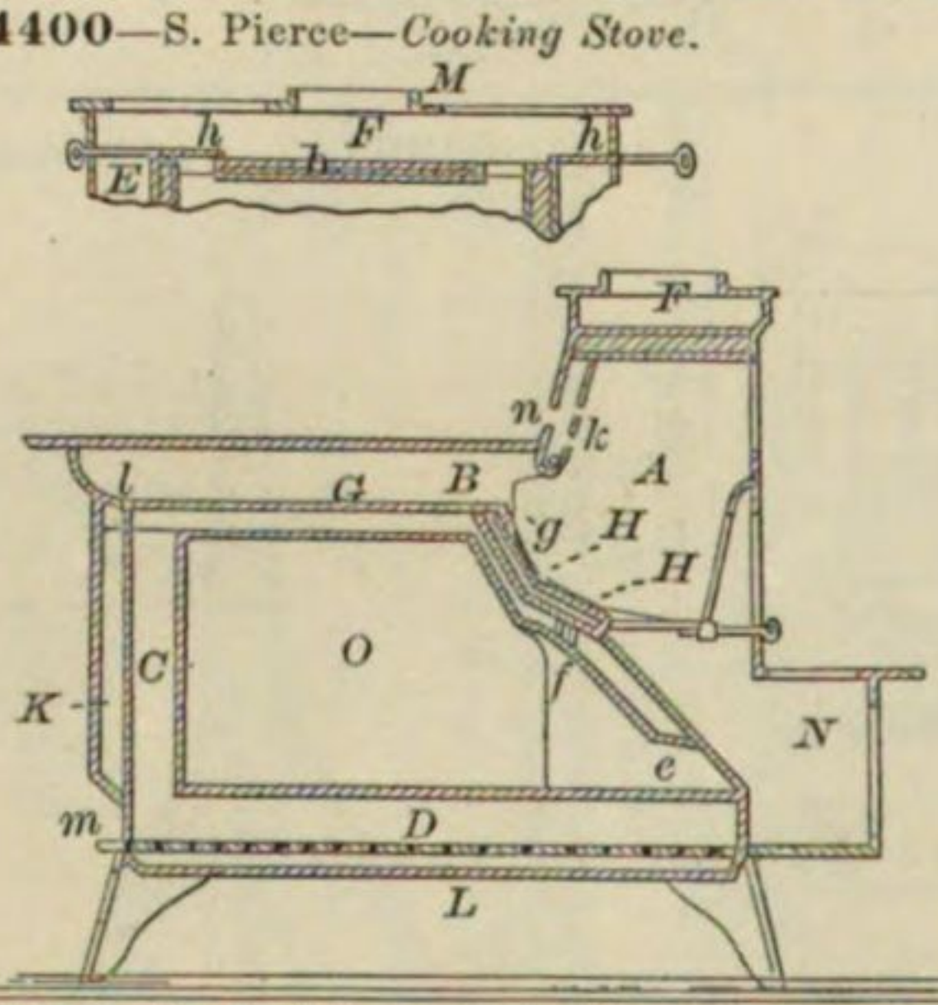
54398—N. Parrish—*Stump Extractor.*



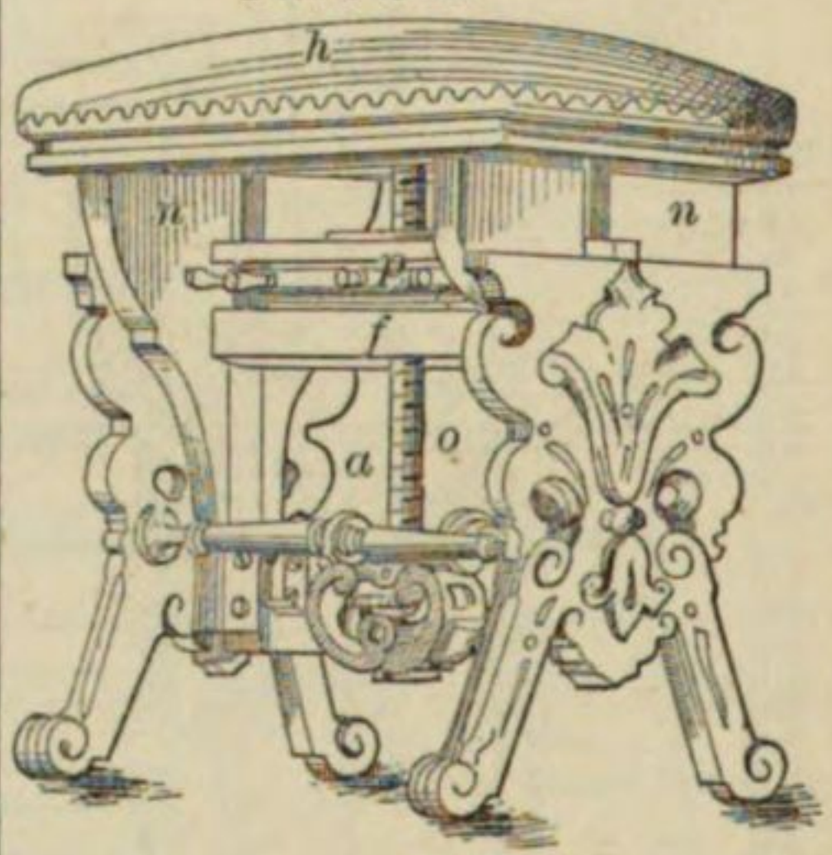
54399—J. S. Patric—*Pump.*



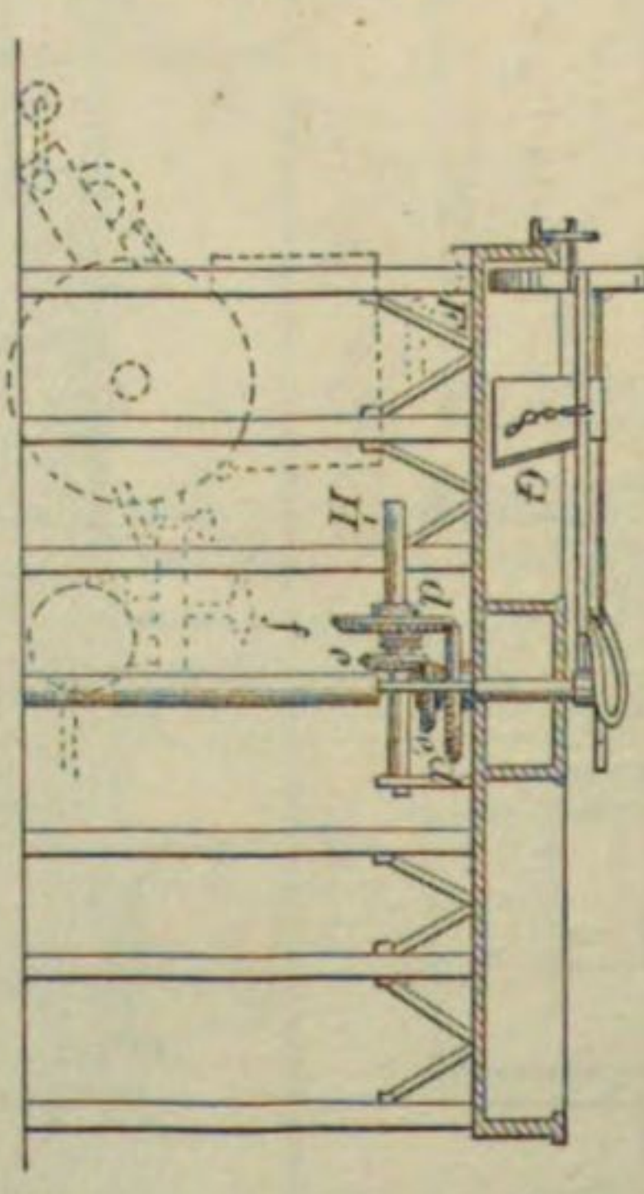
54400—S. Pierce—*Cooking Stove.*



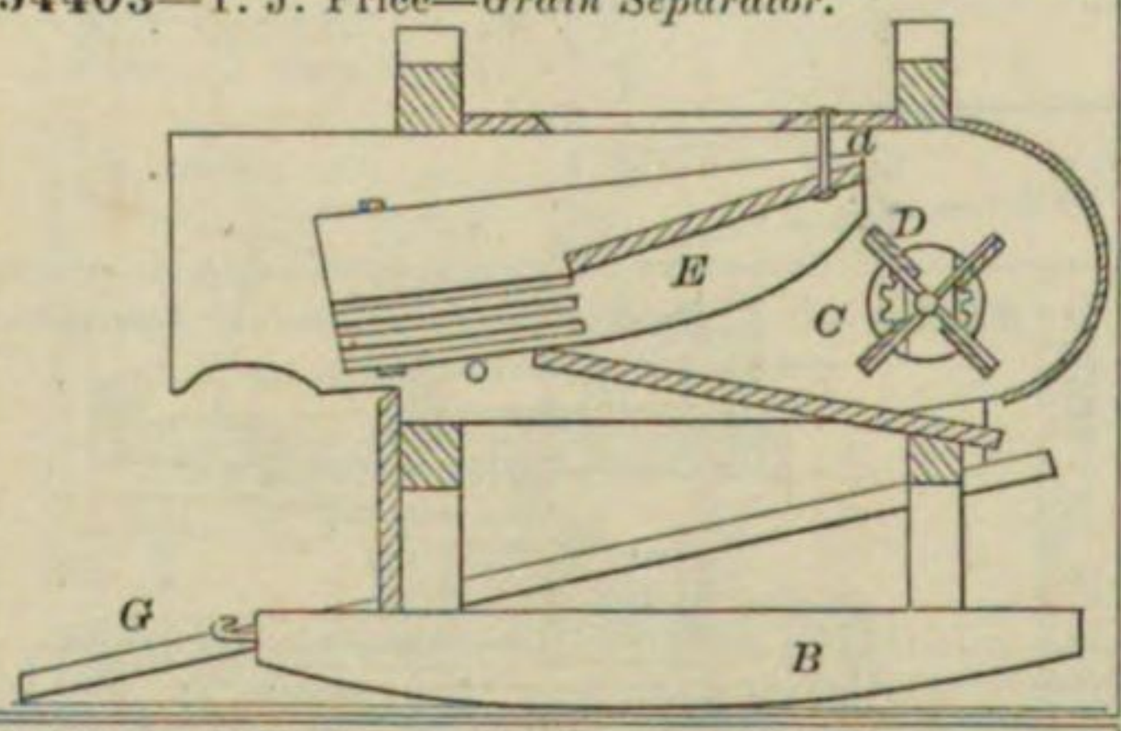
54401—Postawka & Krasiuski—*Piano Seat.*



54402—N. F. Potter—*Peat Machine.*



54403—T. J. Price—*Grain Separator.*



54405—J. N. Ray—*For Bending Wood.*

Fig. 1

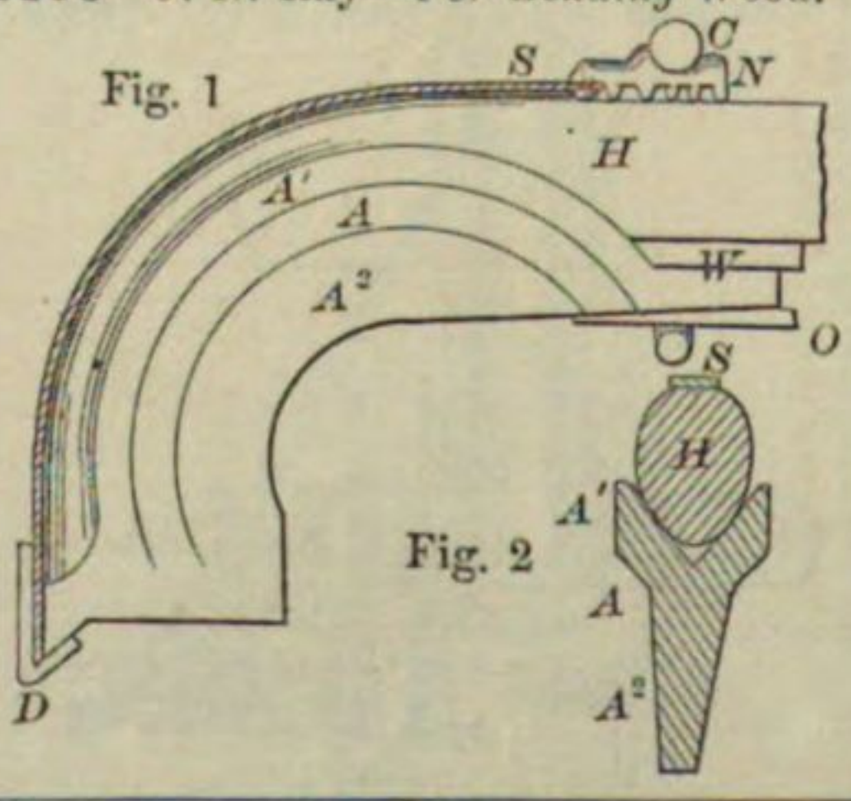
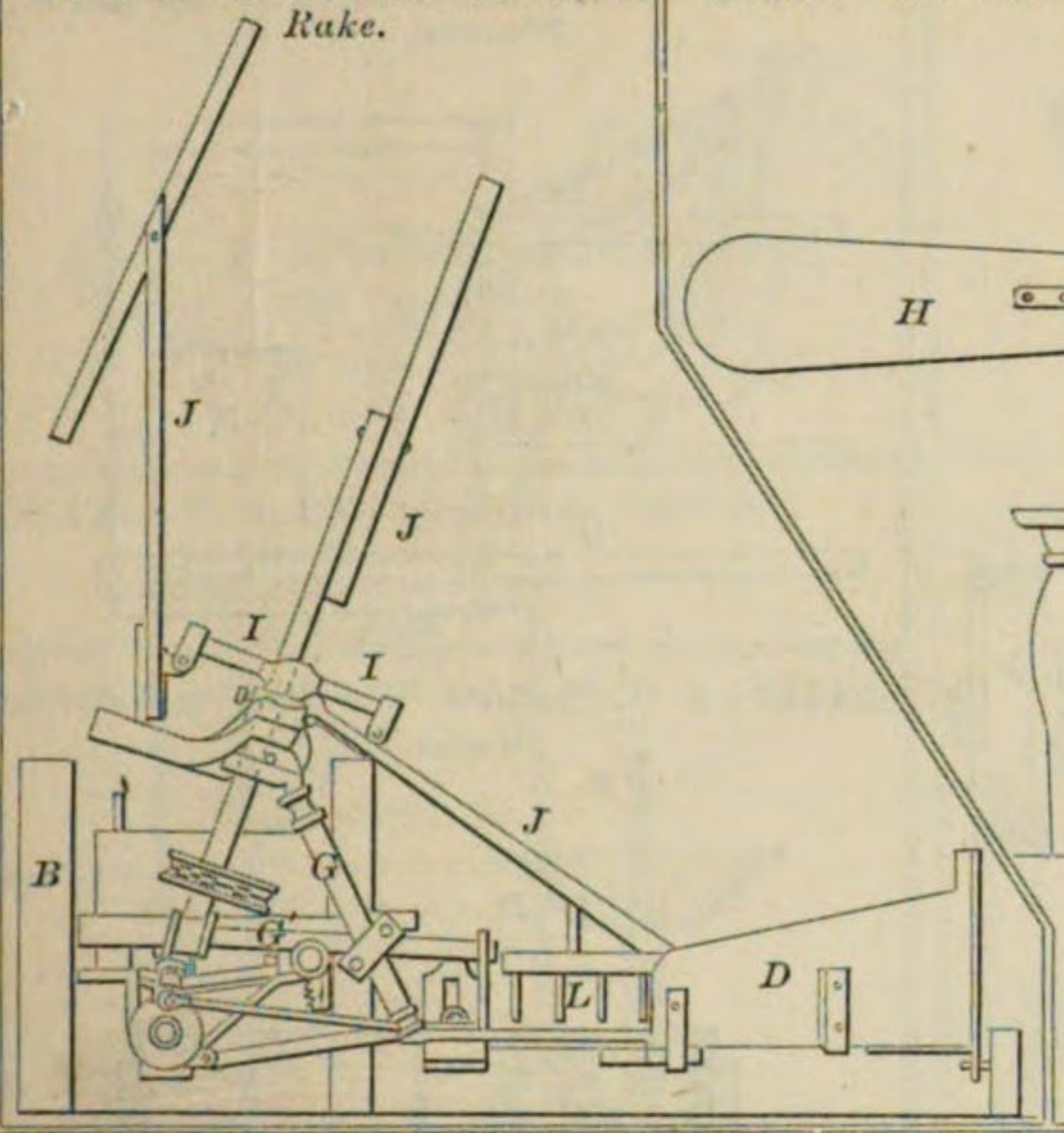
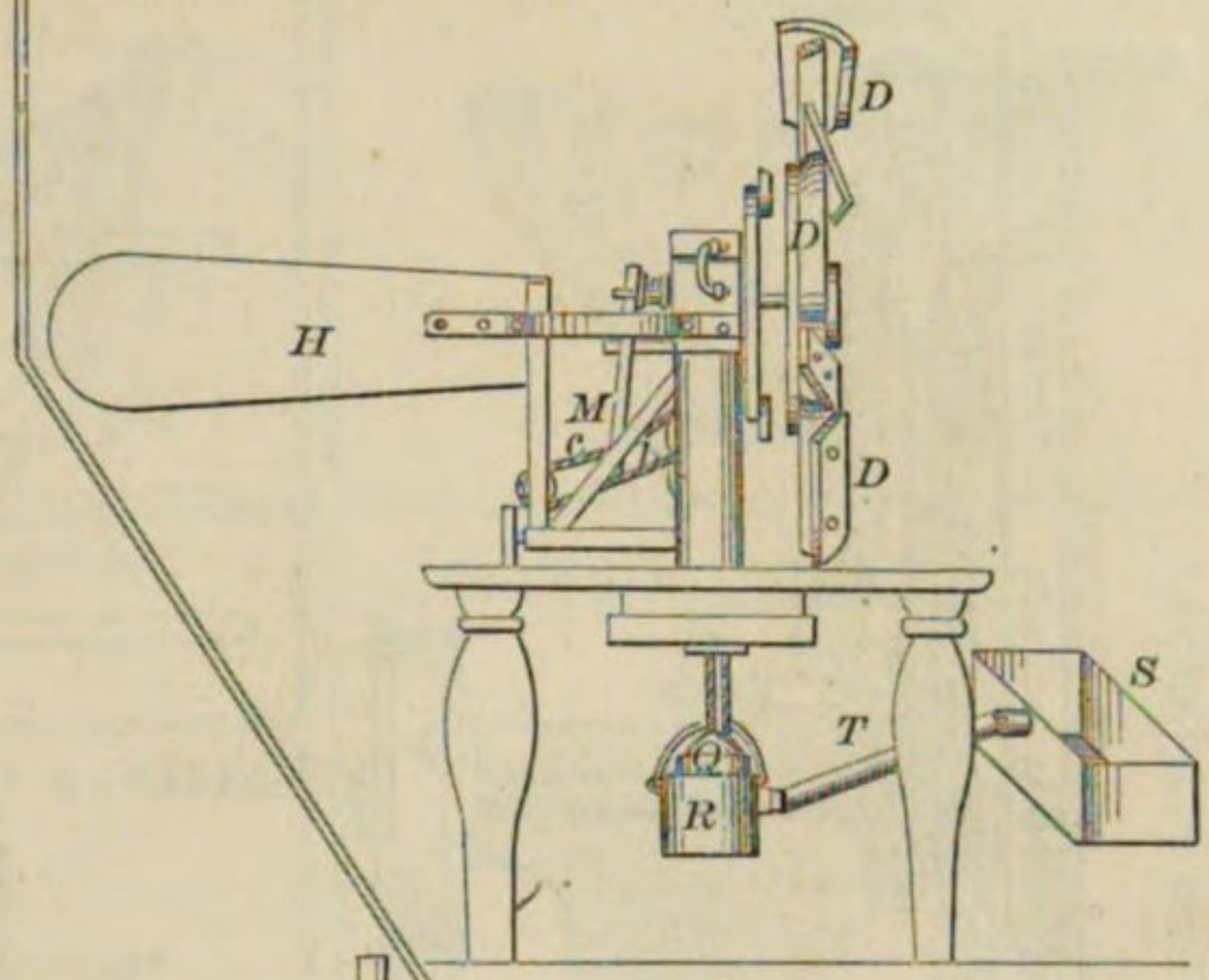


Fig. 2

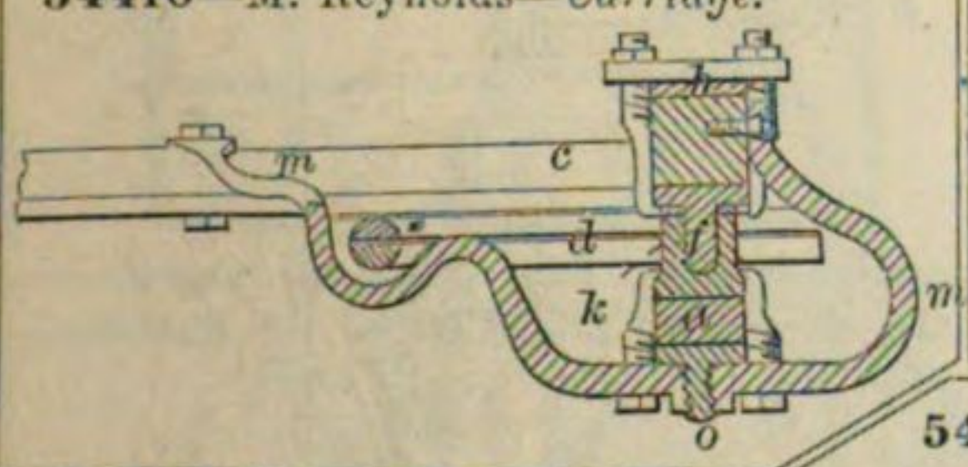
54406—A. R. Reese—*Harvester Rake.*



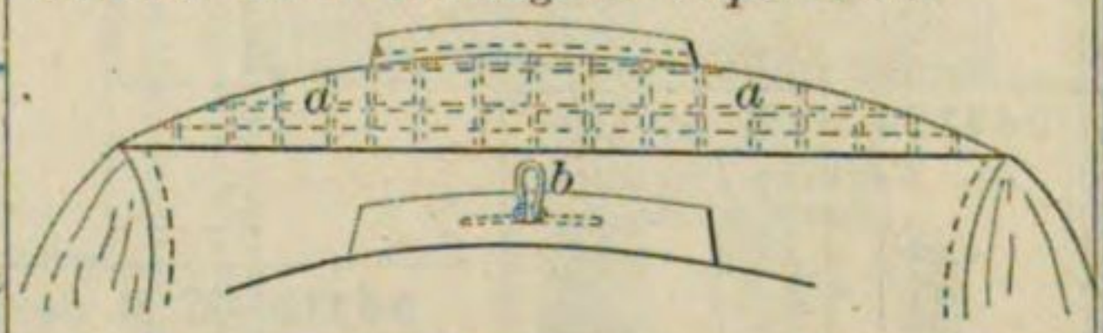
54407—L. Reese—*Wind Mill.*



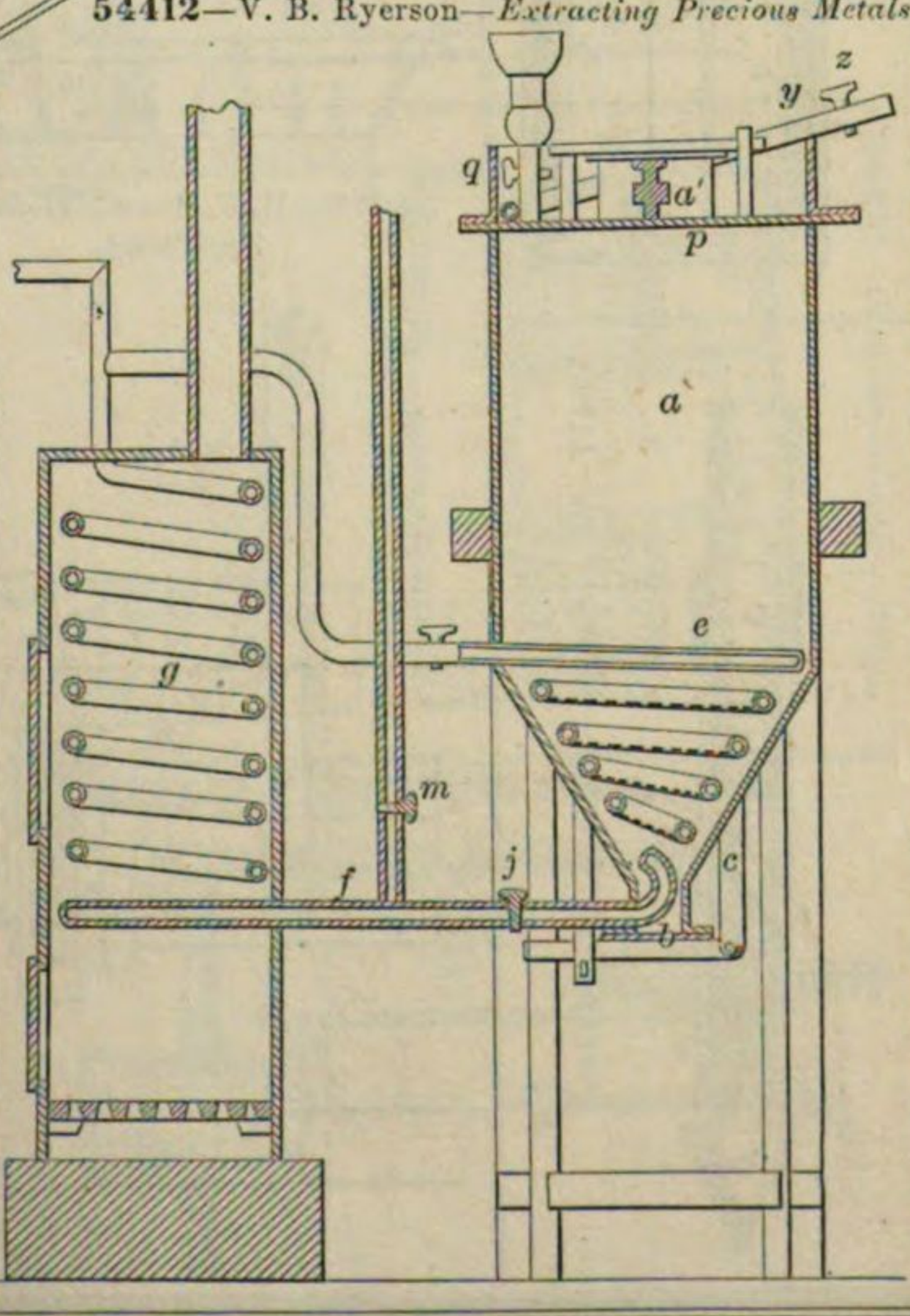
54410—M. Reynolds—*Carriage.*



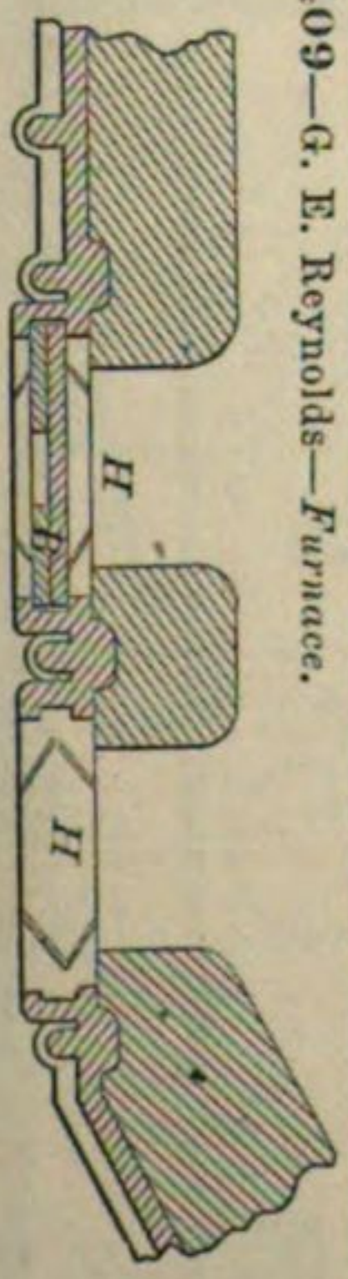
54408—H. M. Remington—*Paper Shirt.*



54412—V. B. Ryerson—*Extracting Precious Metals.*

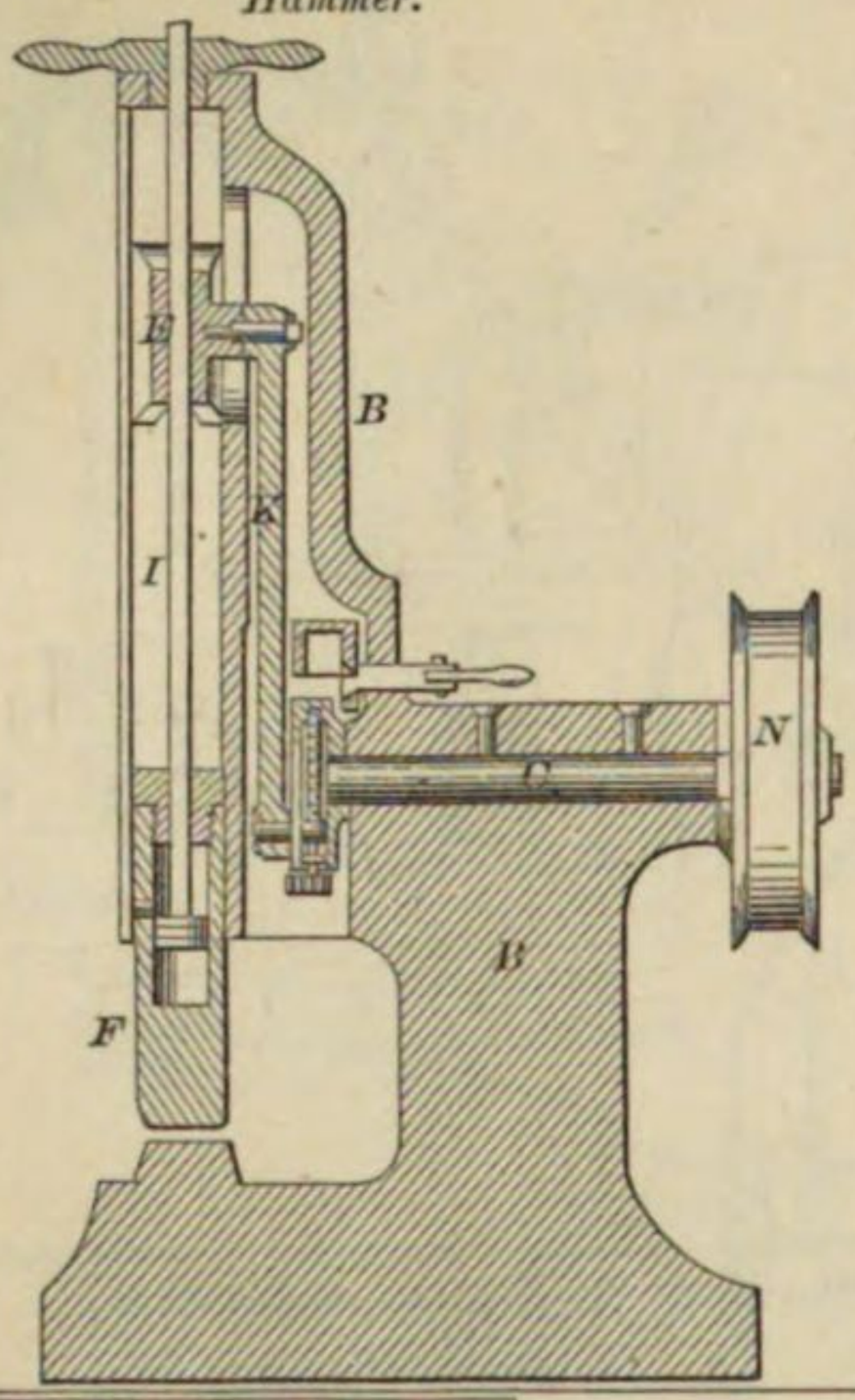


54409—G. E. Reynolds—*Furnace.*

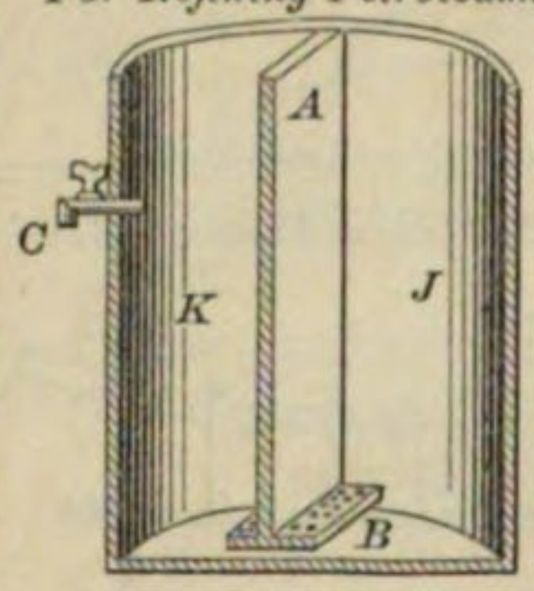


54411—C. E. Richards—*Elastic Chain.*

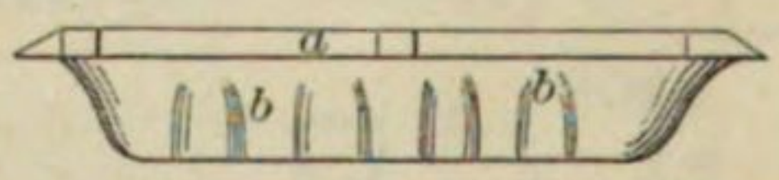
54413—J. Robertson—*Atmospheric Hammer.*



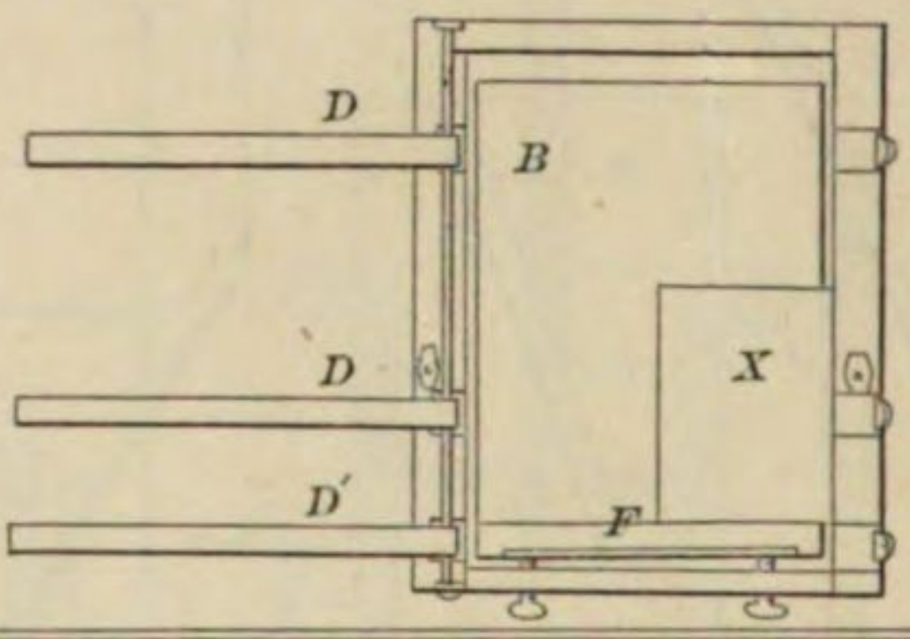
54414—W. H. Sangster—*For Refining Petroleum.*



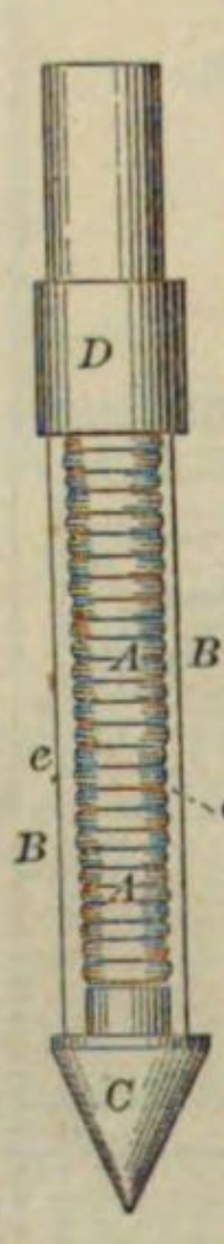
54415—H. B. Scofield—*Grate Bar.*



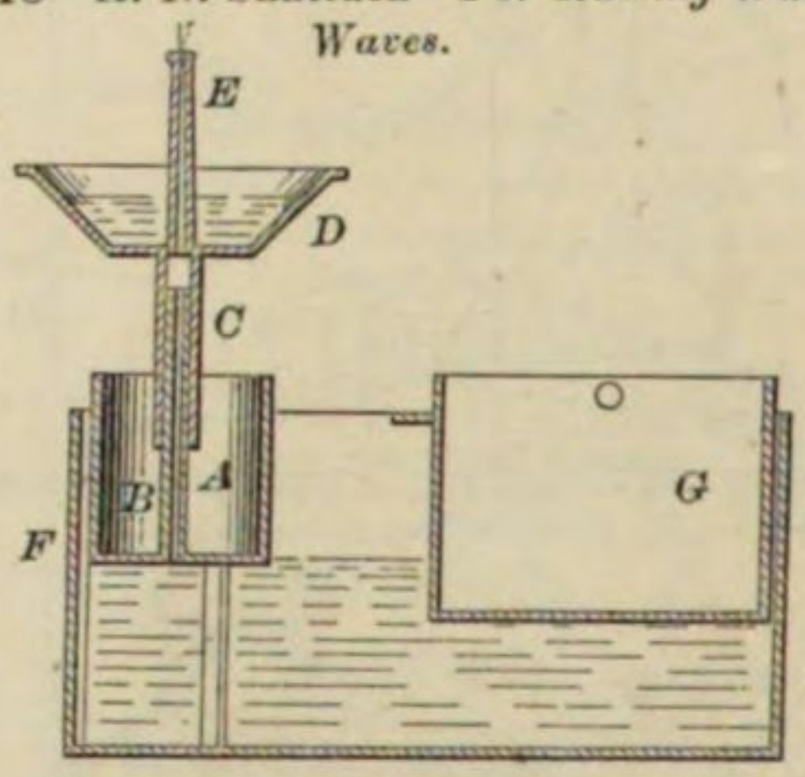
54416—T. E. Sexton—*Printing Photographic Pictures.*



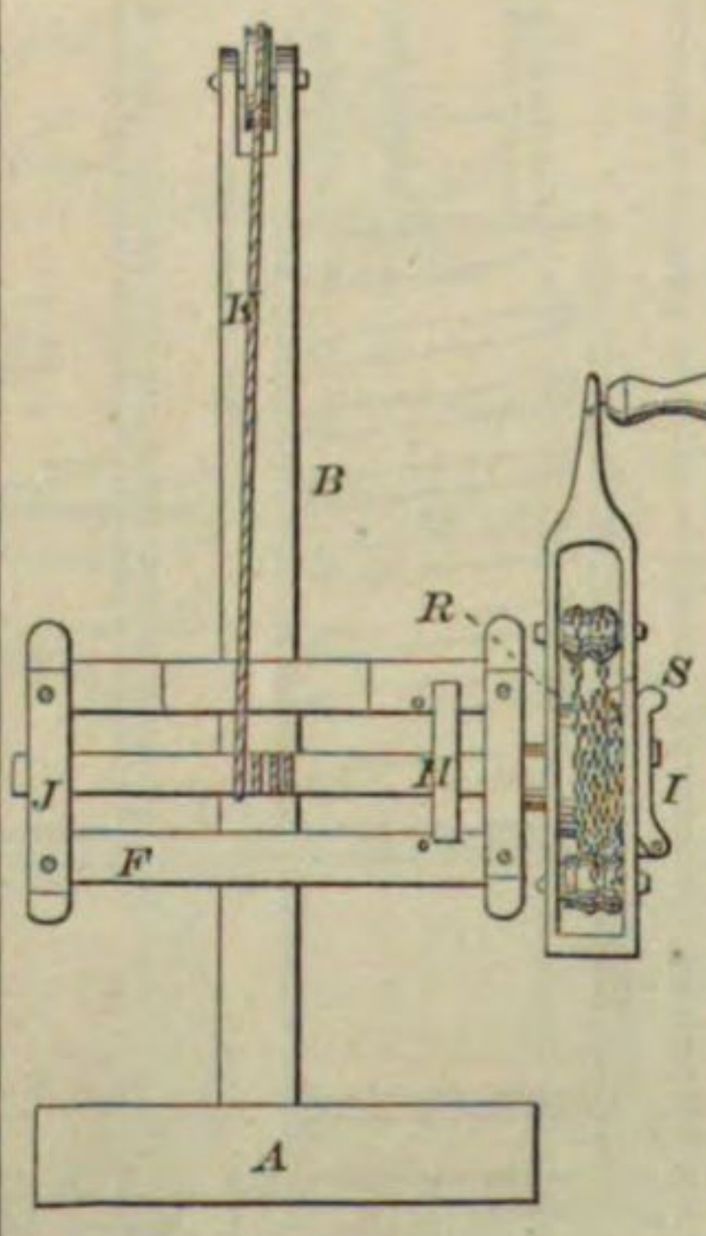
54417—W. A. Sharpe—*Filter for Well Tubes.*



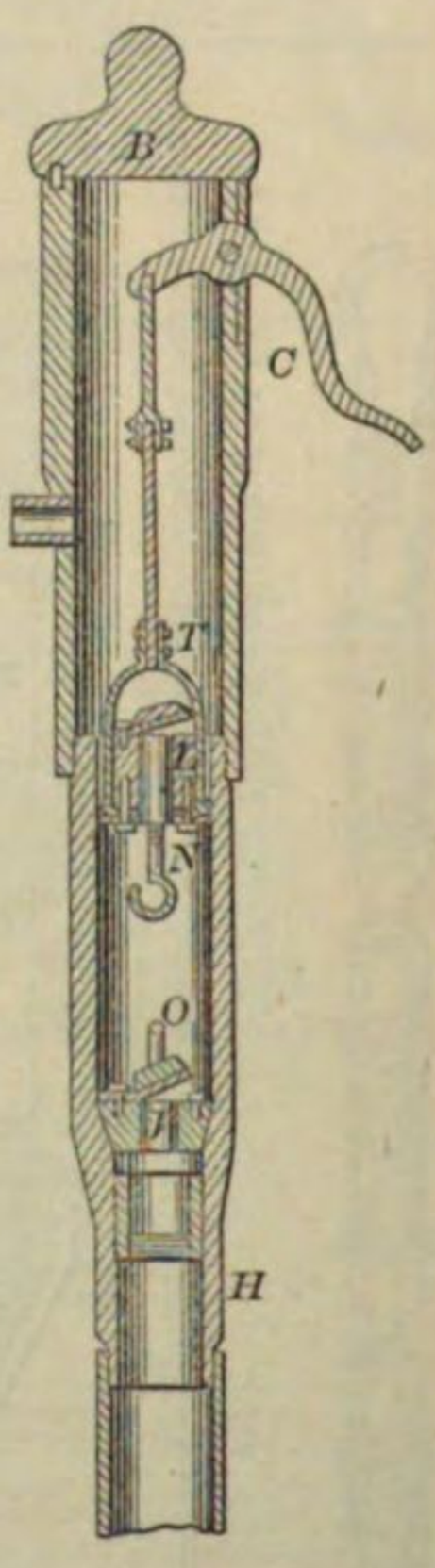
54418—A. N. Shattuck—*For Raising Water by Waves.*



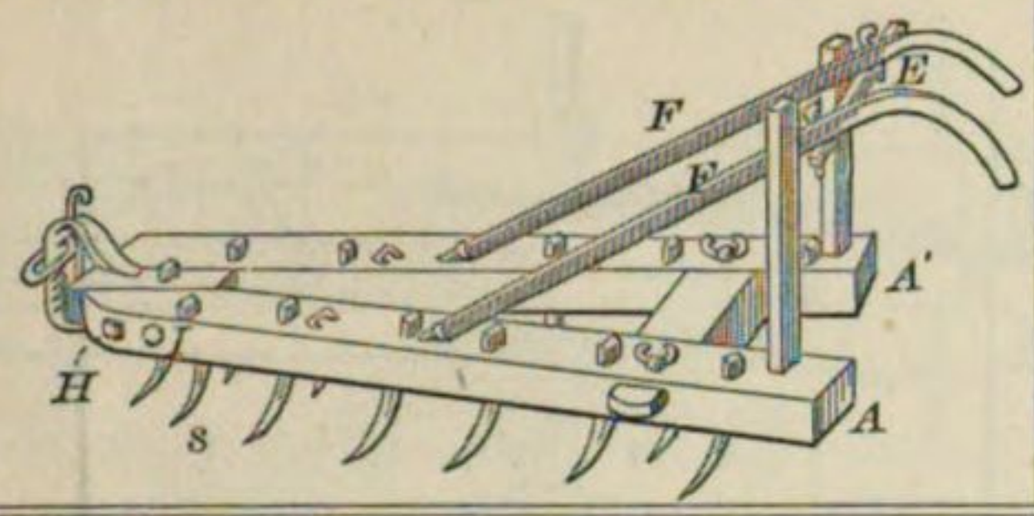
54419—H. F. Shaw—*Hoisting Apparatus.*



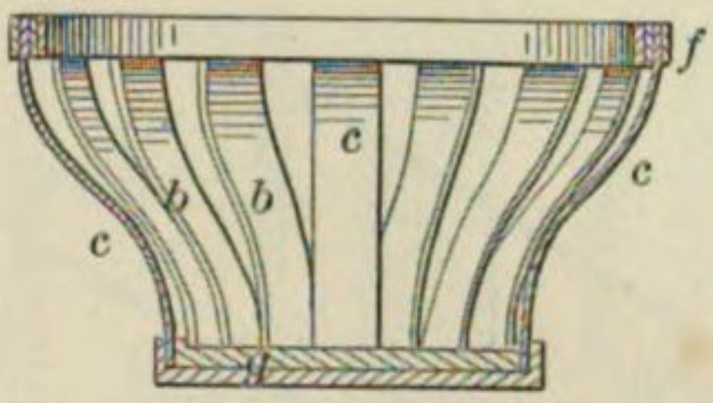
54420—J. W. Sheaffer—*Pump.*



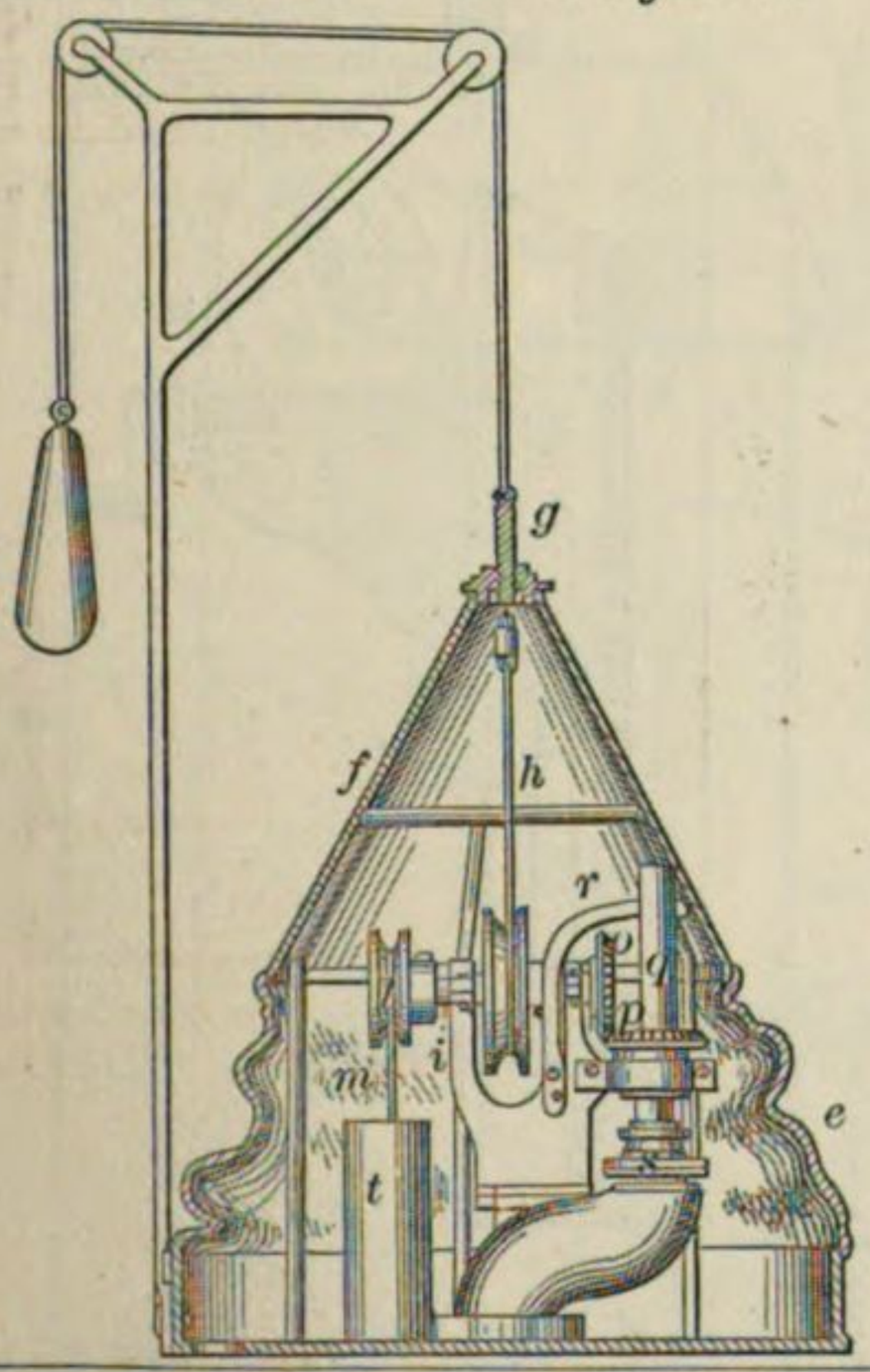
54421—A. H. Sheffer—*Harrow and Cultivator.*



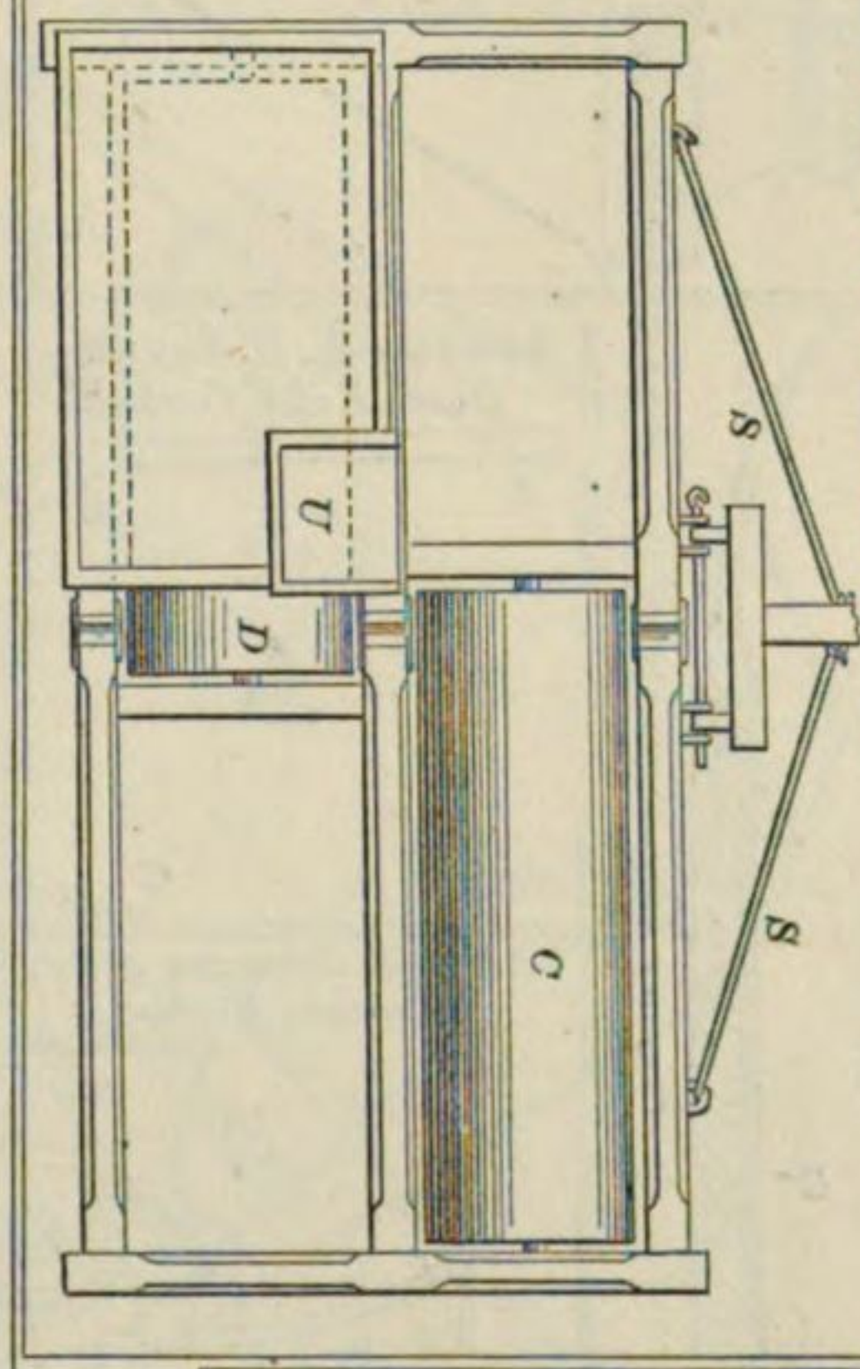
54422—P. B. Sheldon—*Fruit Basket.*



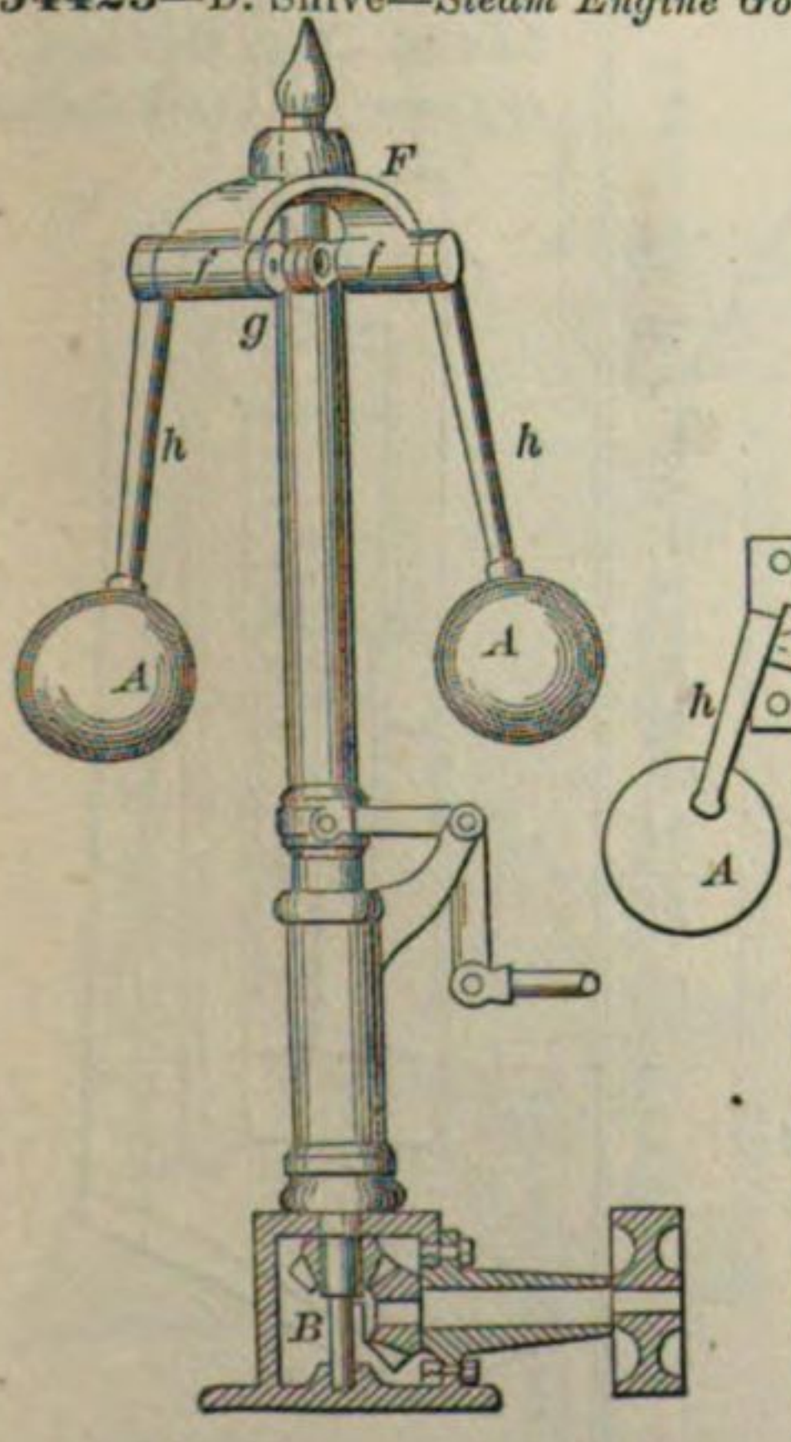
54424—W. A. Simonds—*Fluid Regulator.*



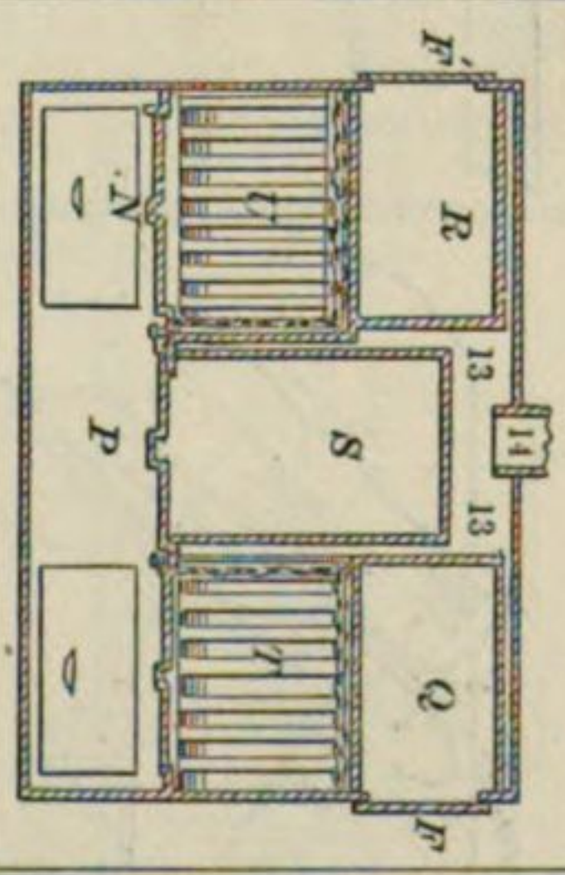
54425—A. S. Skiff—*Land Roller.*



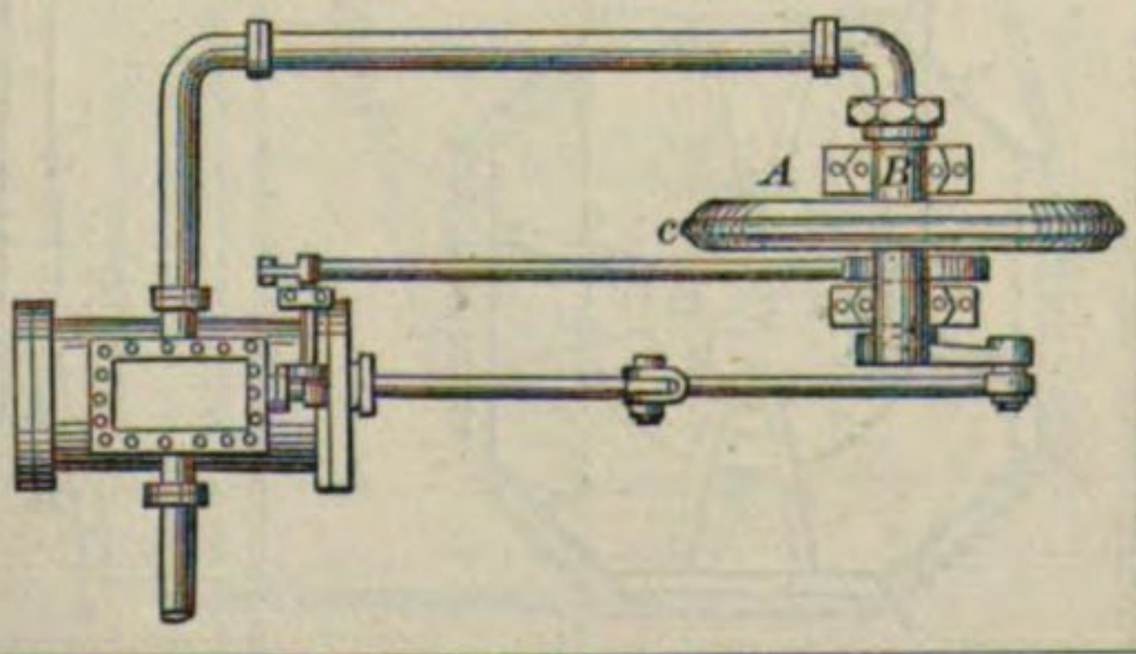
54423—D. Shive—*Steam Engine Governor.*



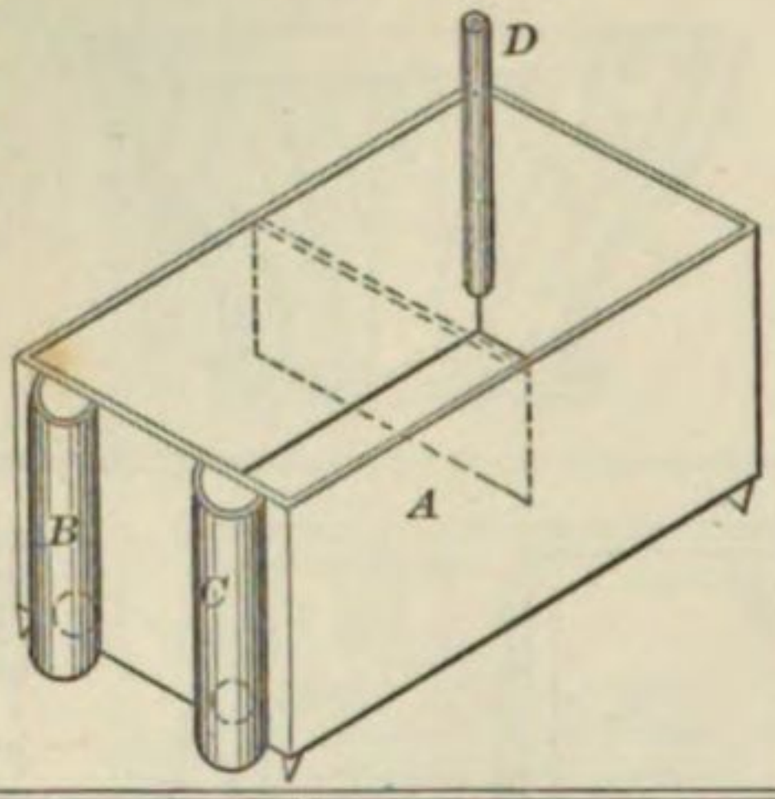
54427—O. Smith—*Cooking Range.*



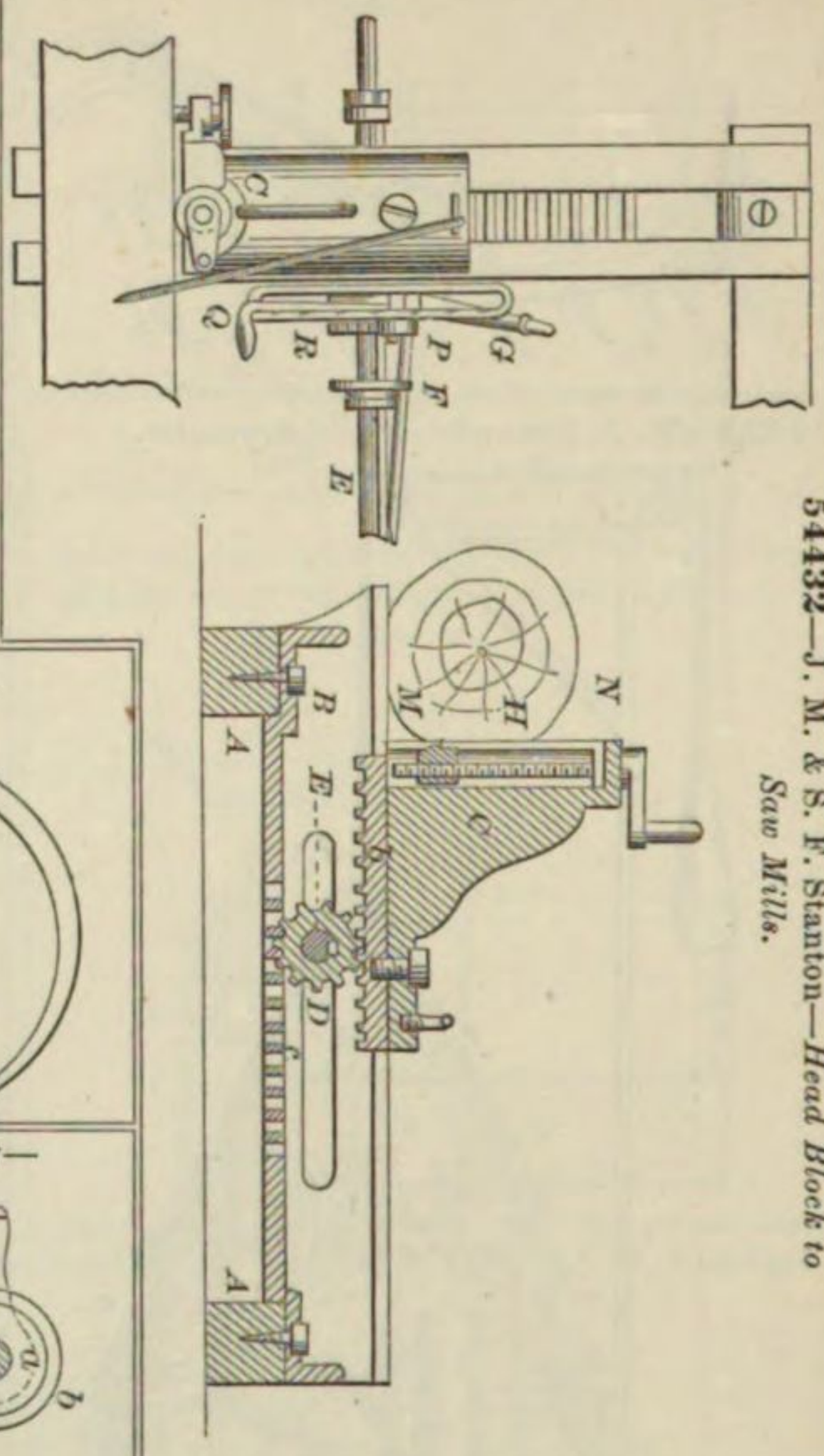
54428—J. F. Spence—*Revolving Condenser.*



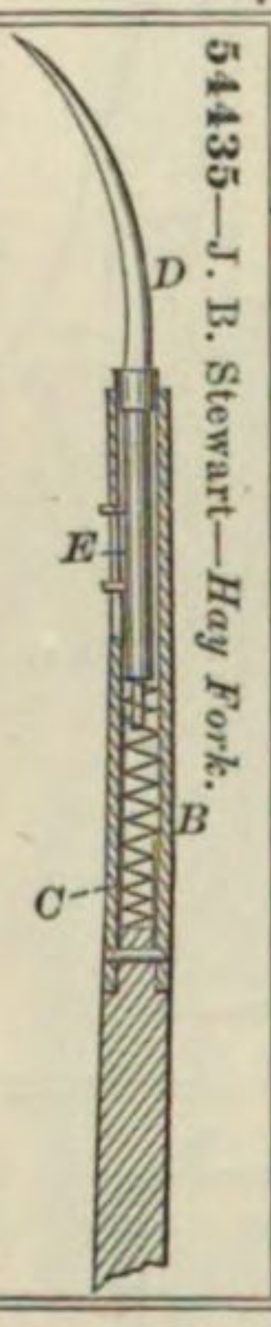
54429—A. B. Sprout—*For Tempering Cast Steel.*



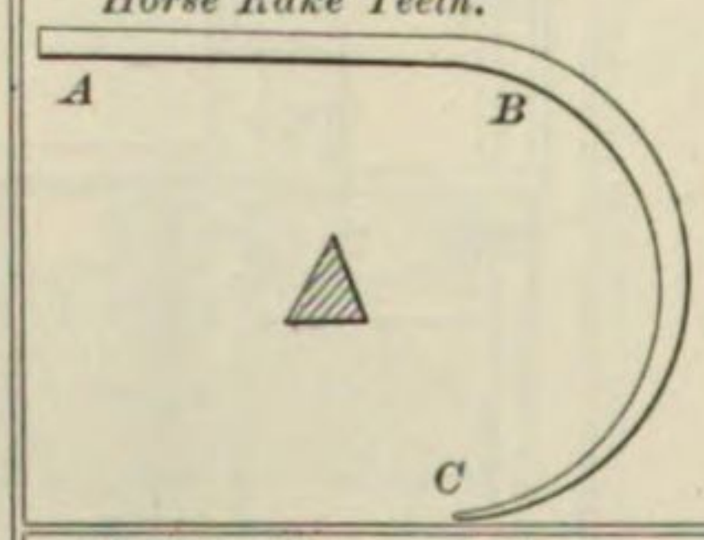
54432—J. M. & S. F. Stanton—*Head Block to Saw Mills.*



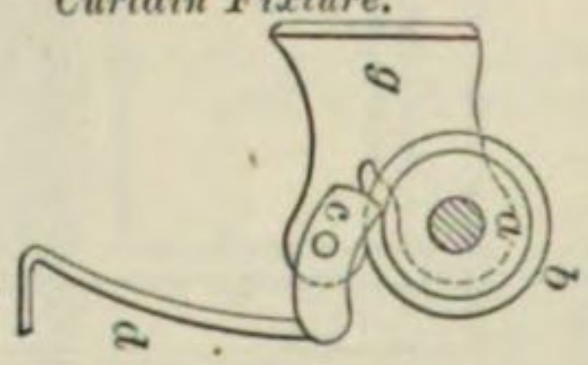
54435—J. B. Stewart—*Hay Fork.*



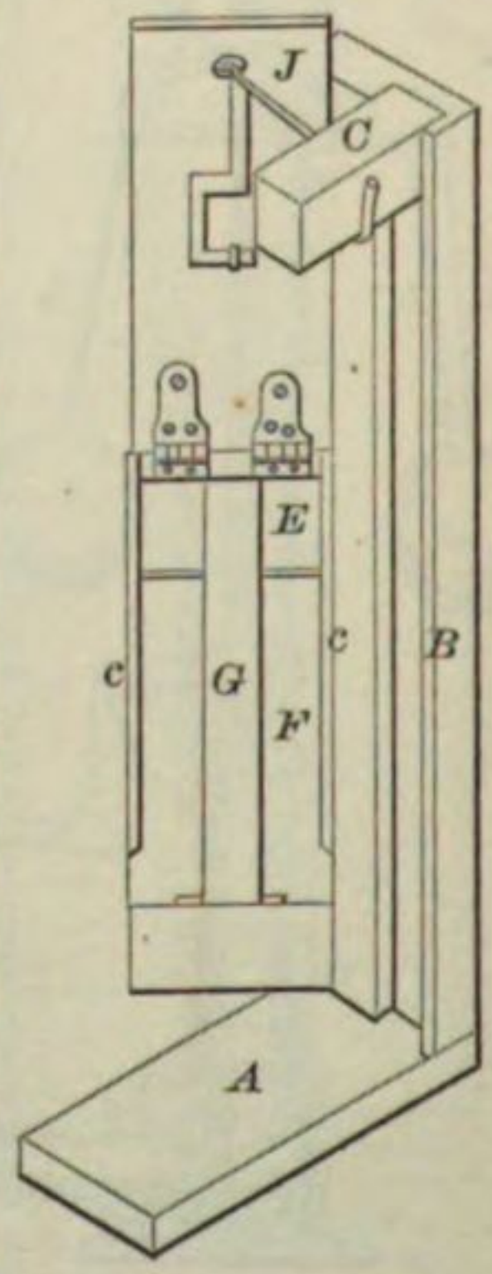
54430—A. B. Sprout—*Horse Rake Teeth.*



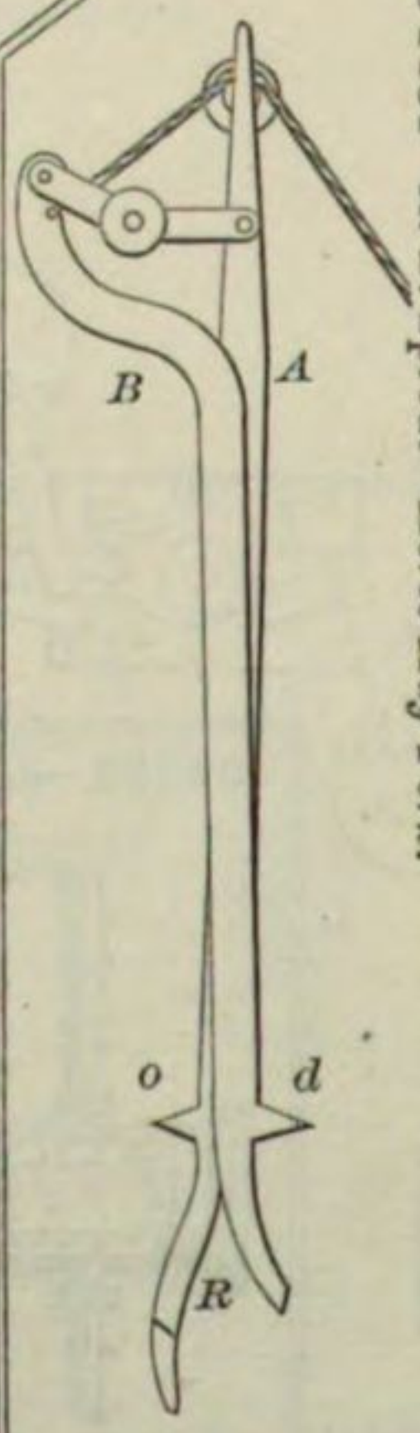
54434—Stevens & Fay—*Curtain Fixture.*



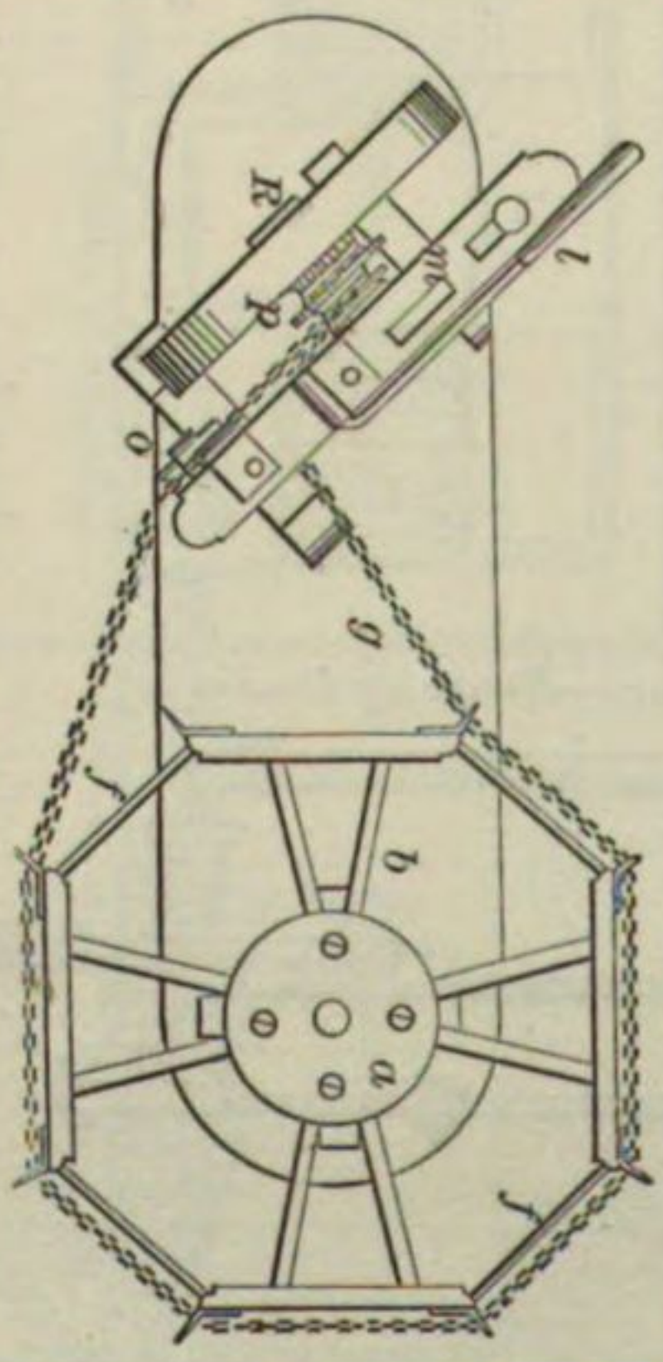
54436—J. C. Stoddard—*Deflector for Car Windows.*



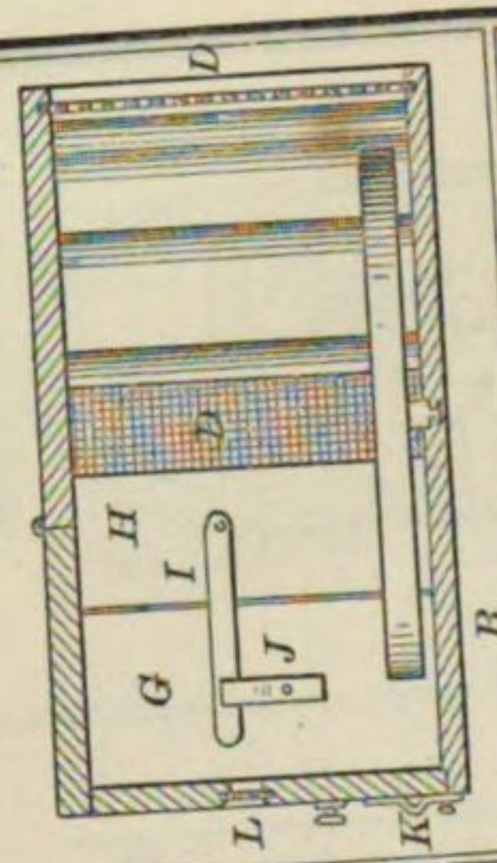
54431—A. B. Sprout—*Horse Hay Fork.*



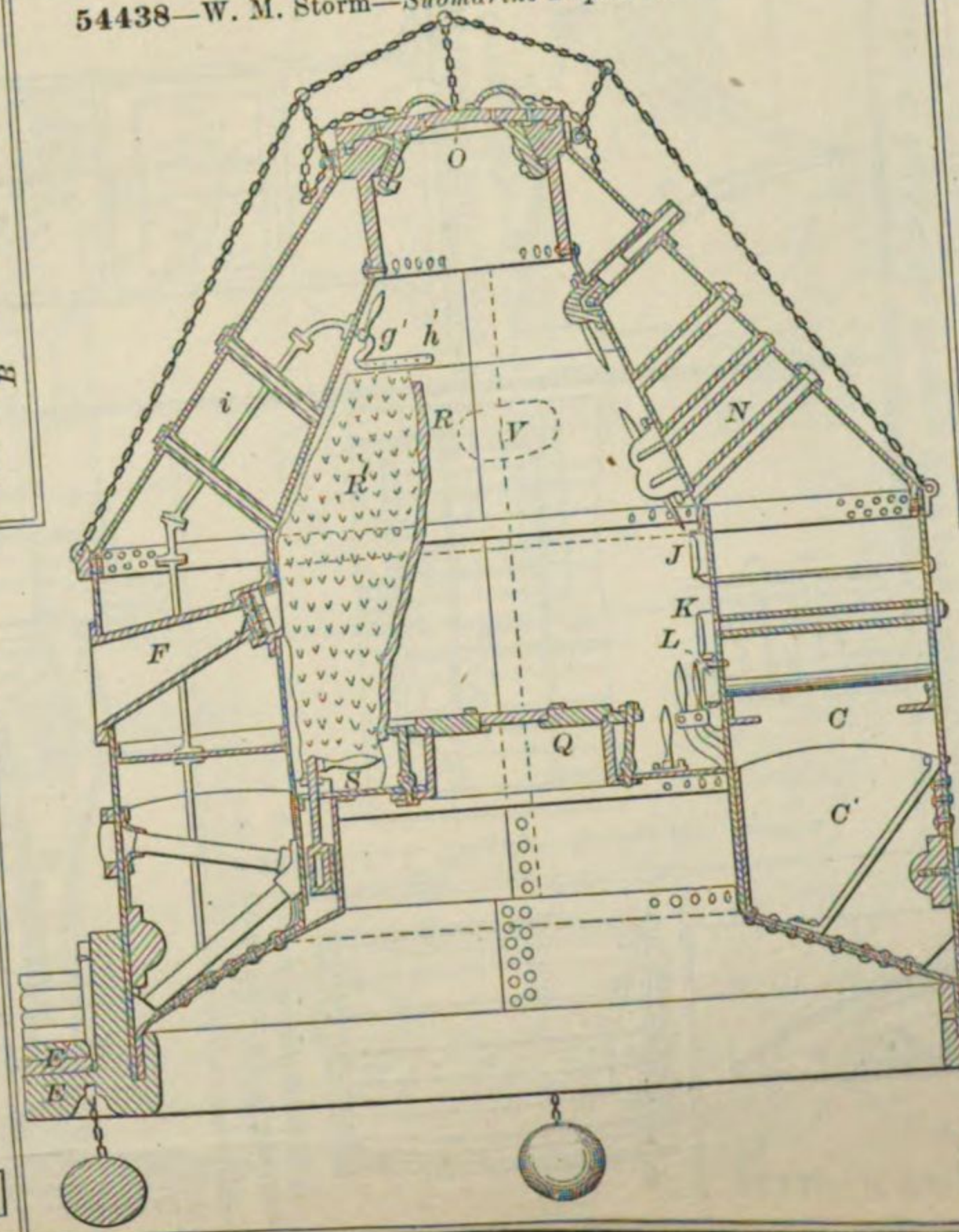
54433—N. Starr, Jr.—*Horse Power.*



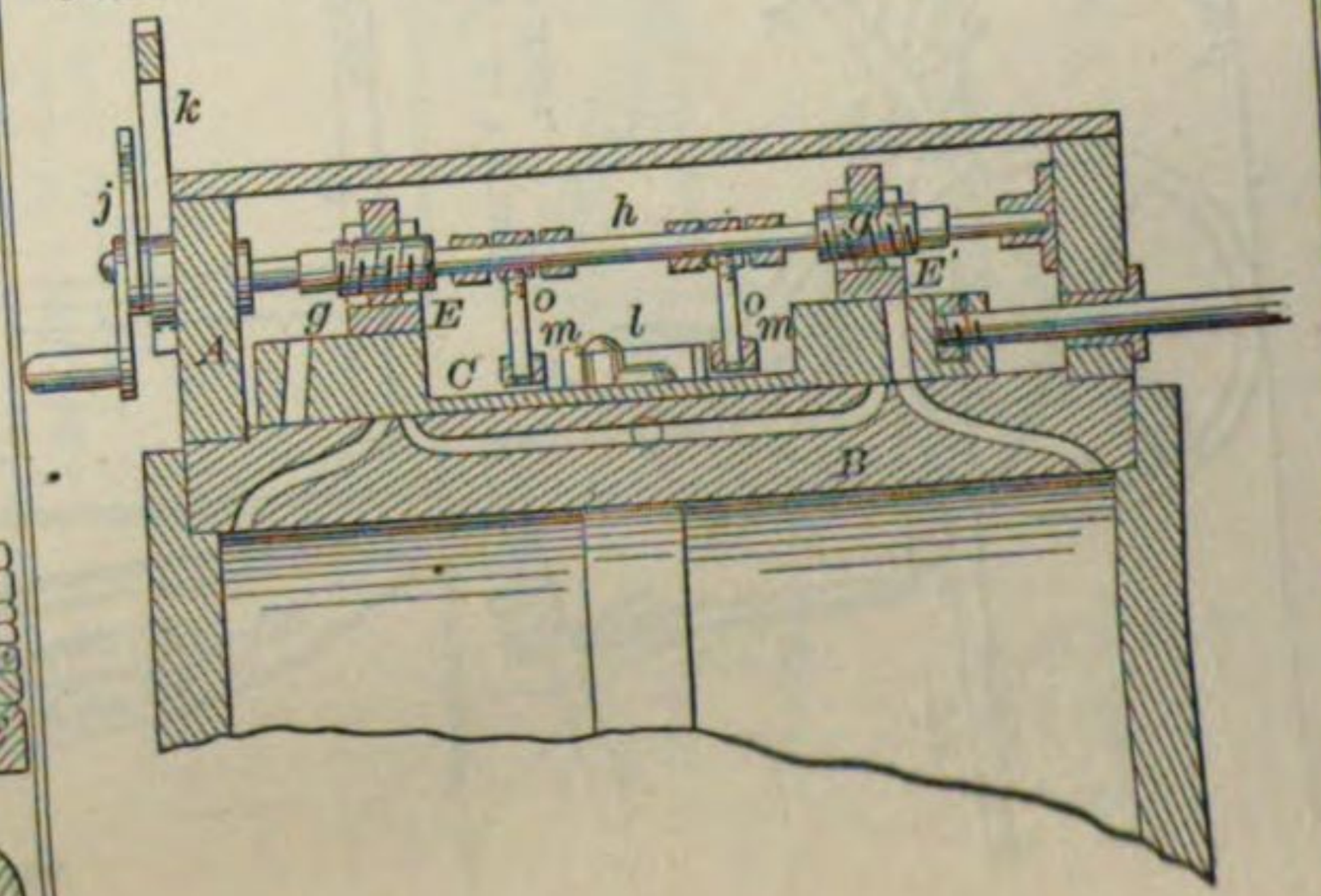
54437—C. Stoll—*Cheese Box.*



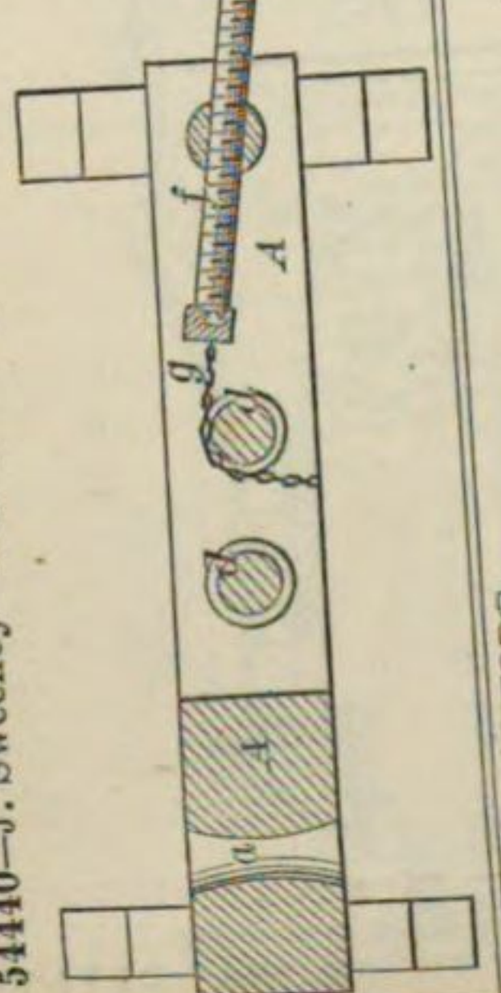
54438—W. M. Storm—*Submarine Explorer.*



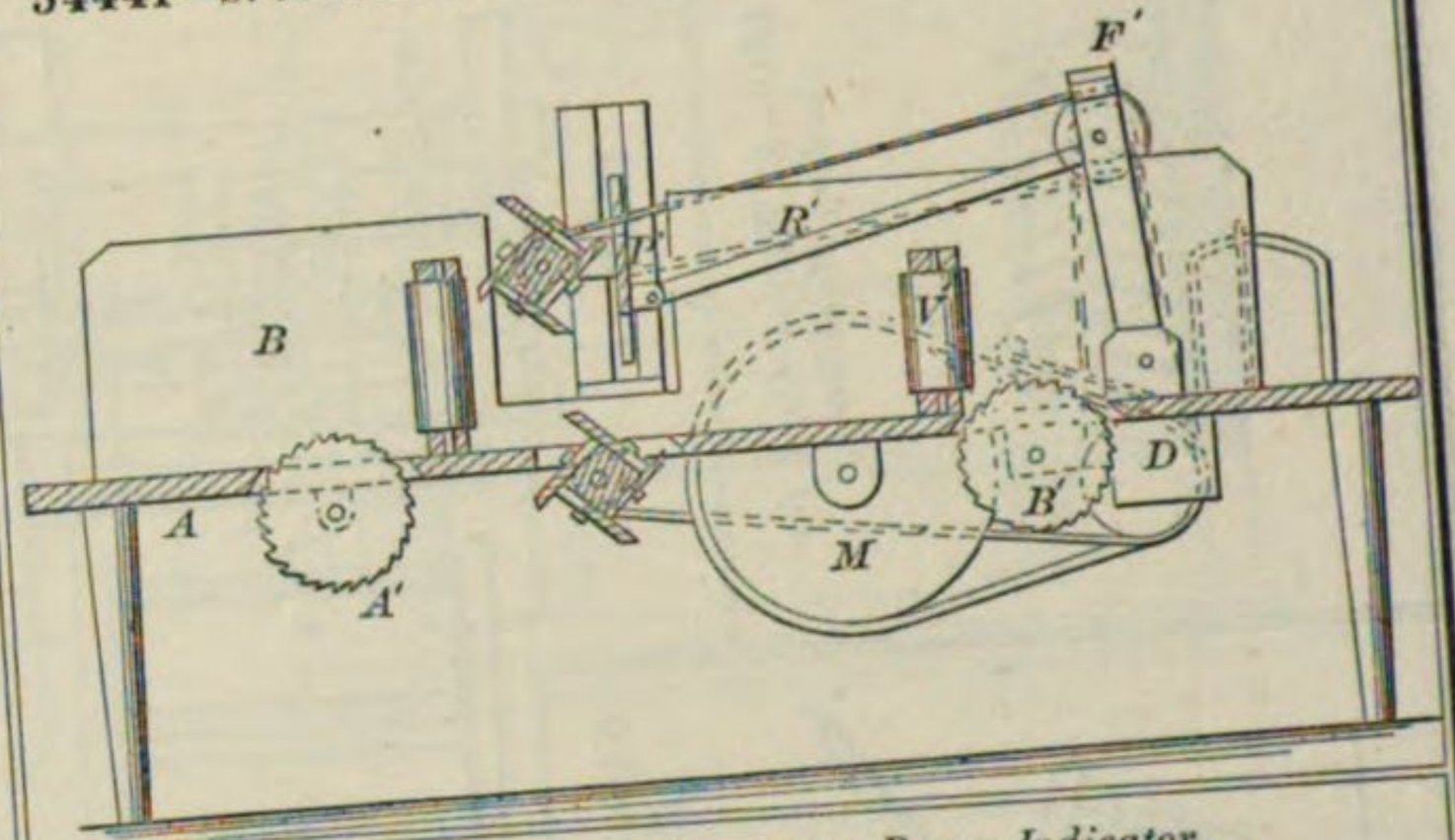
54439—A. Stuckenrath—*Horse Power Indicator.*



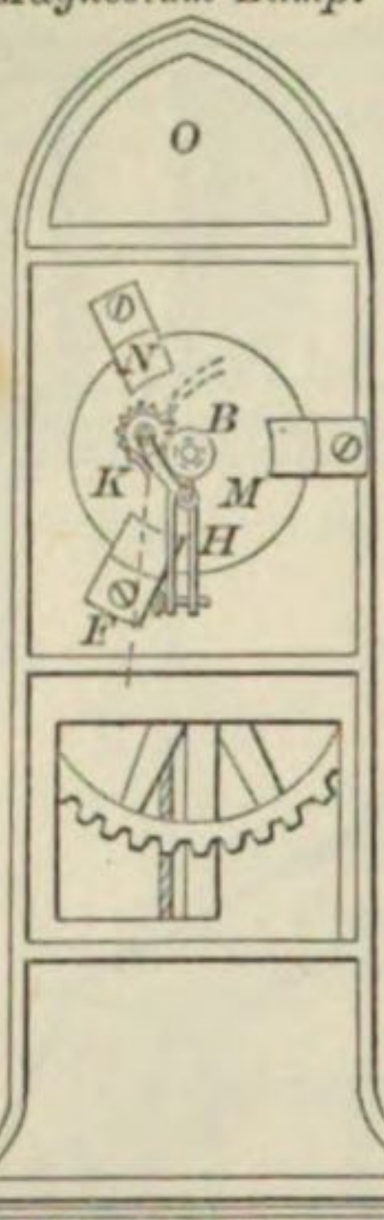
54440—J. Sweeney—*For Bending Tubes.*



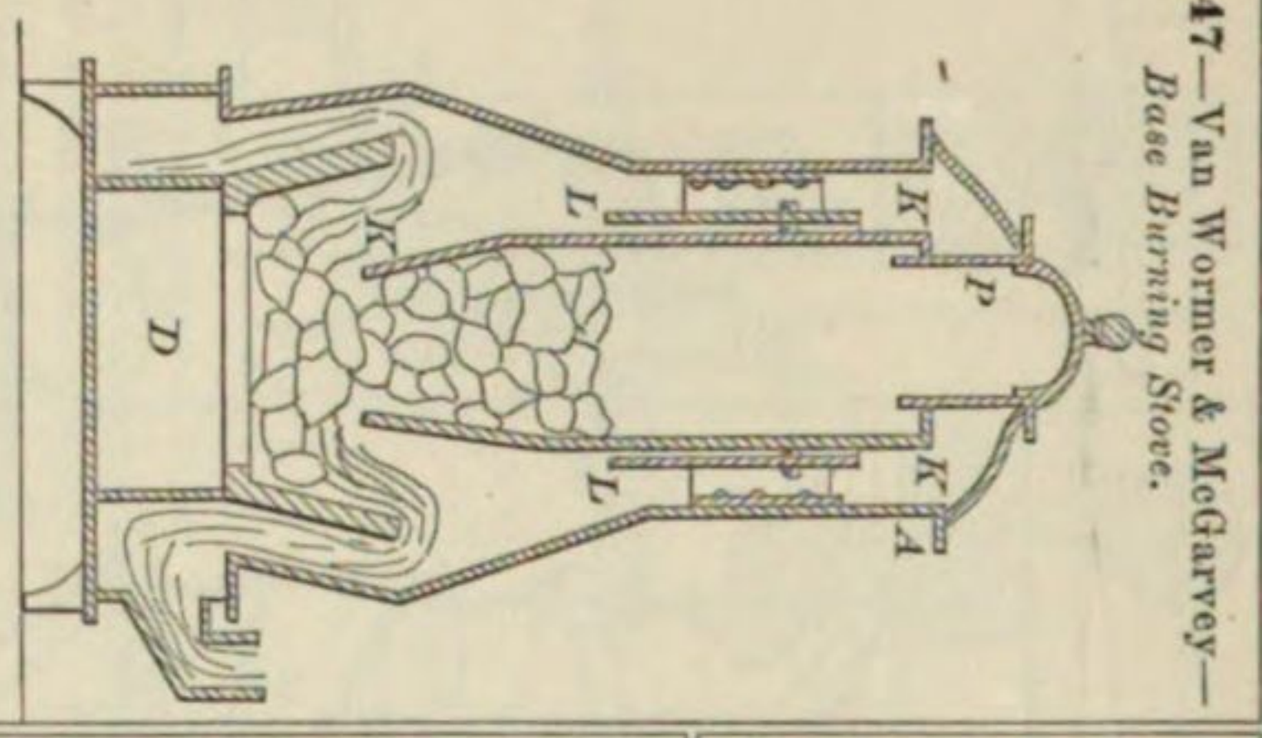
54441—S. J. Talbott—*Planing Machine.*



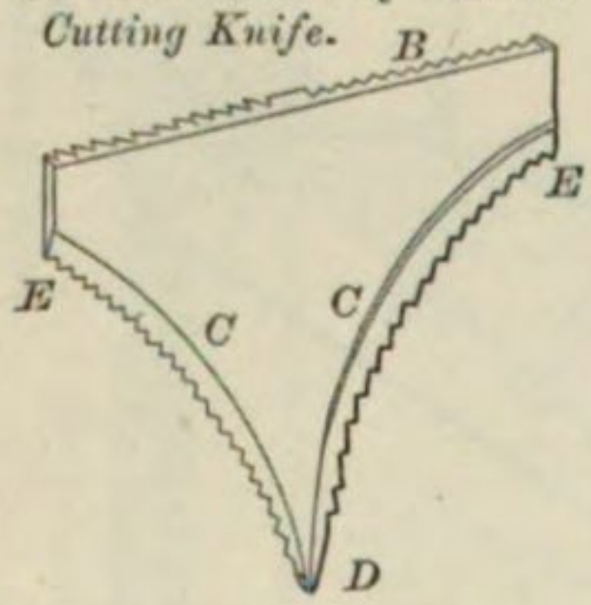
54442—R. H. Thurston—
Magnesium Lamp.



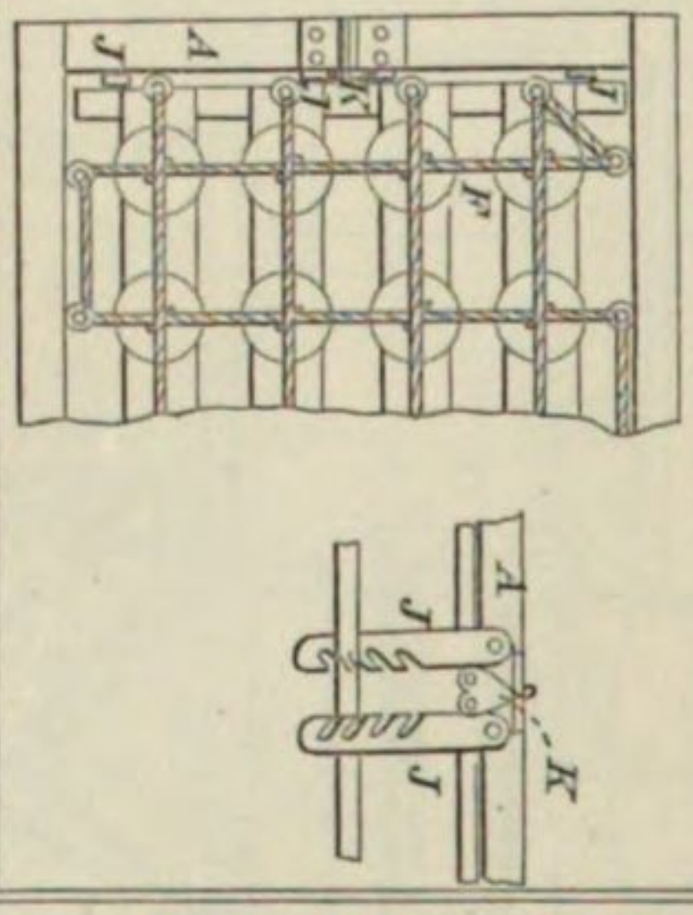
54447—Van Wormer & McGarvey—
Base Burning Stove.



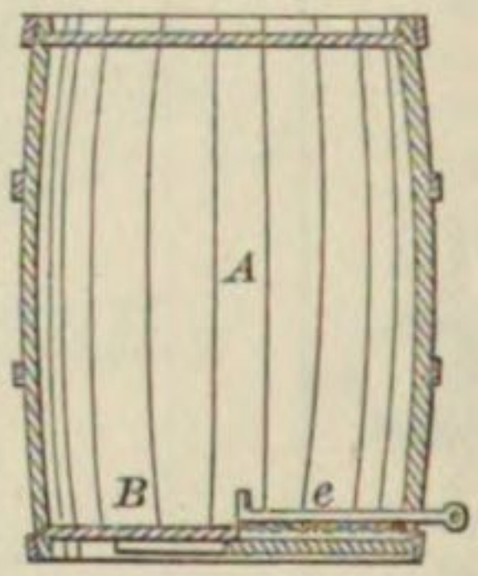
54446—G. Utley—*Straw Cutting Knife.*



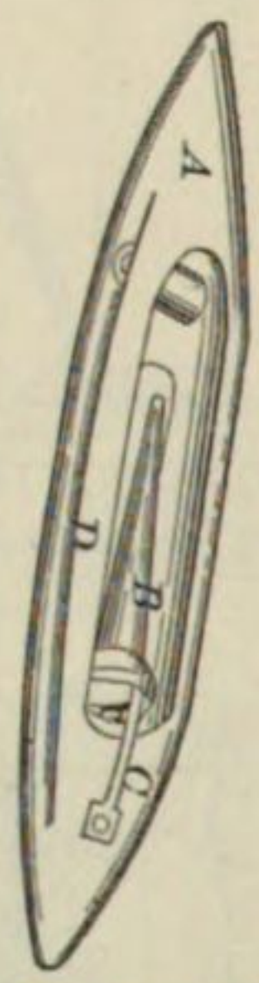
54443—L. L. Tingley—*Spring Bed Bottom.*



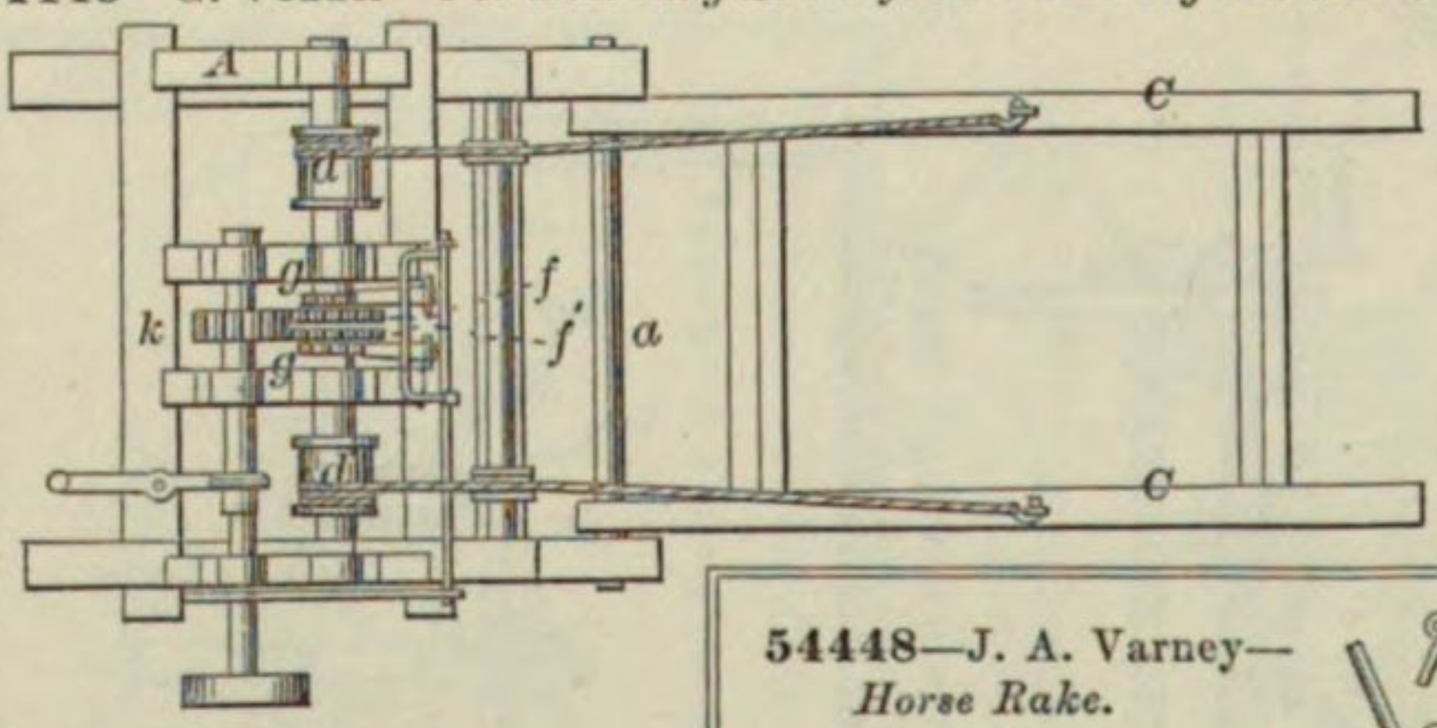
54444—W. H Towers—
Flour Barrel.



54445—C. Unverzagt—*Shuttle and Bobbin for Looms.*

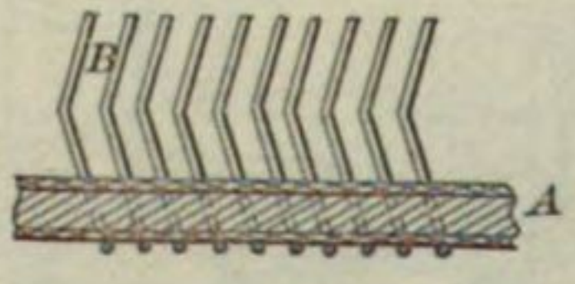


54449—G. Vedder—*For Elevating Straw from Threshing Machines.*

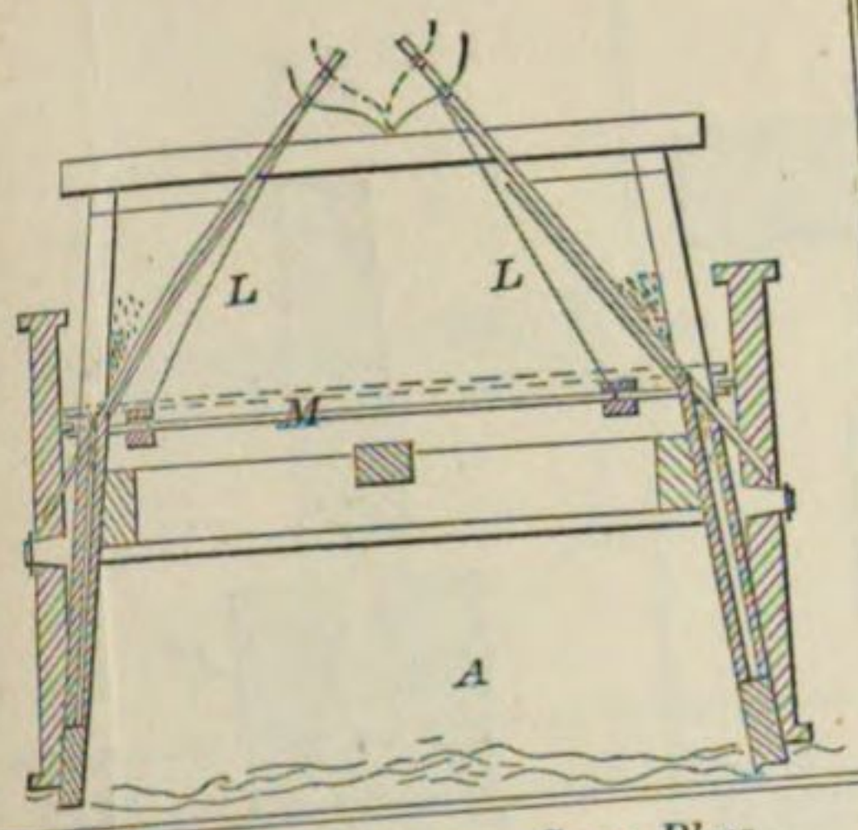


54448—J. A. Varney—
Horse Rake.

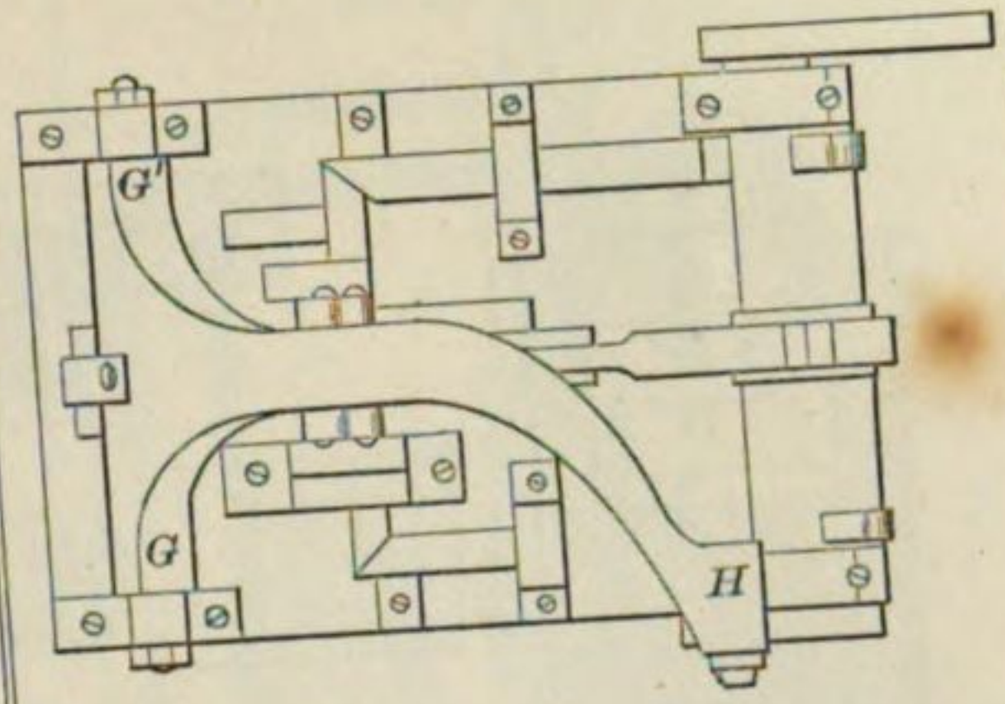
54450—E. Waite—*Card for Carding Machines.*



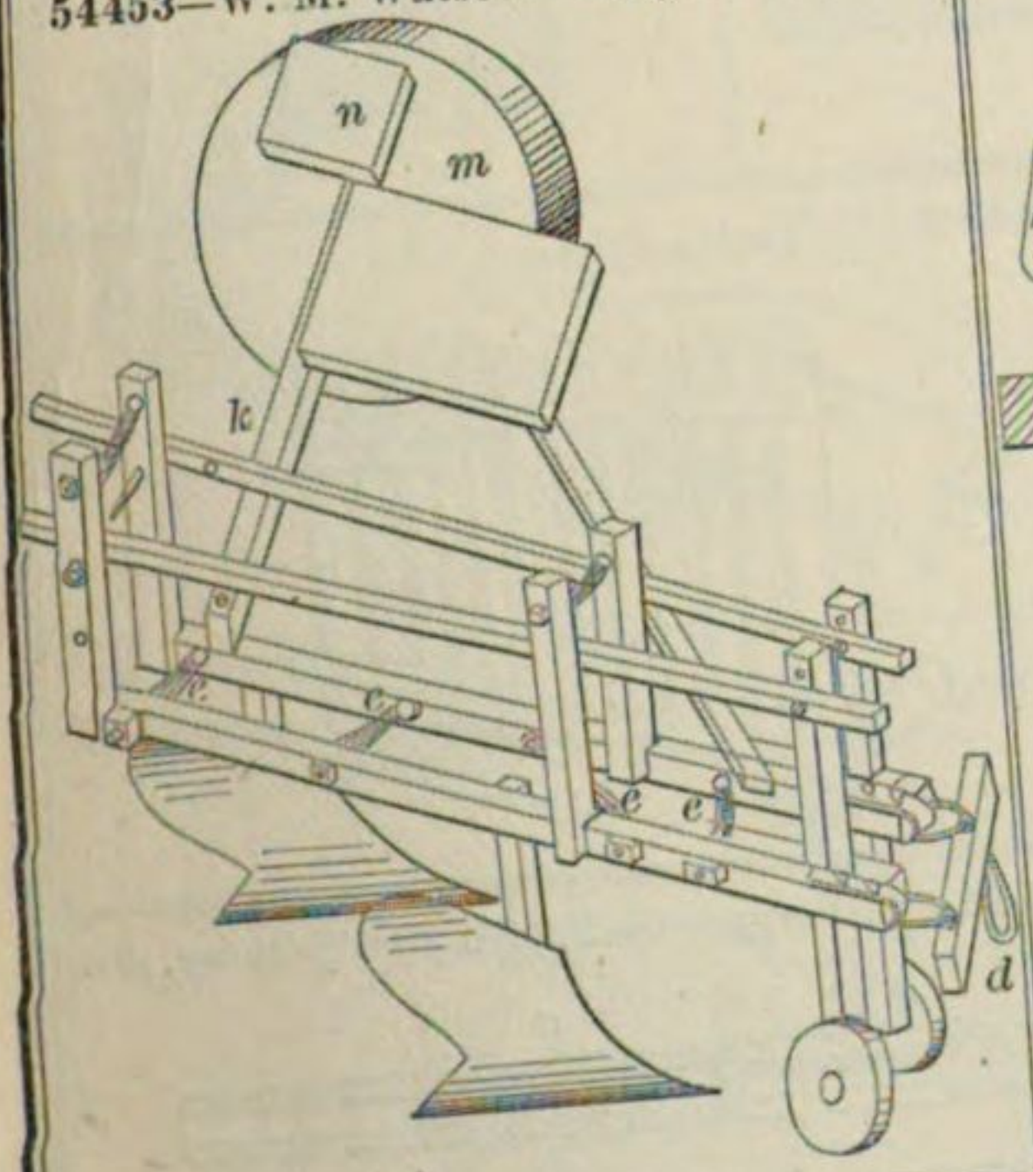
54451—E. M. Walker—*Corn Planter.*

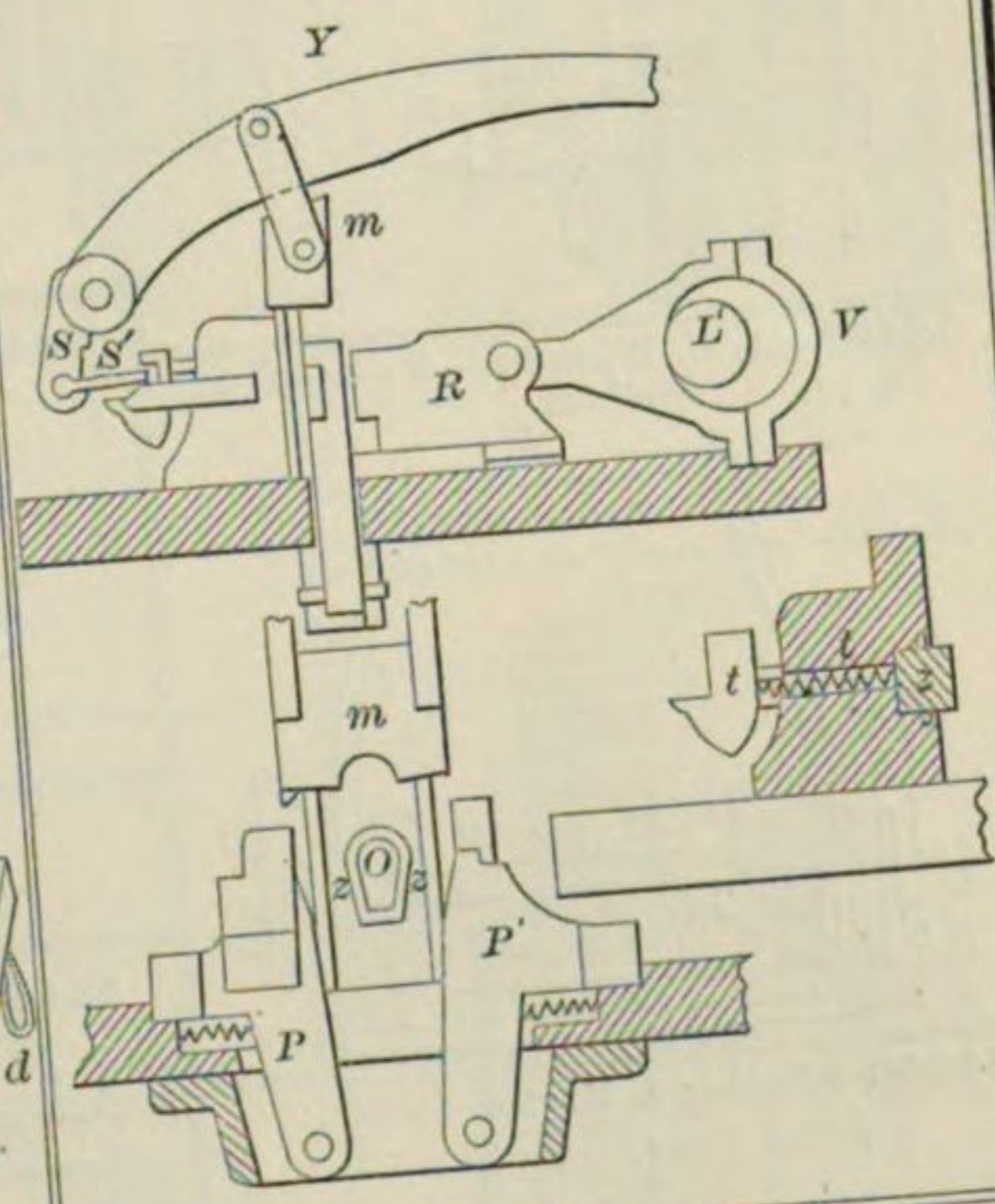


54452—W. Wallick—*Horse Shoe Machine.*



54453—W. M. Watson—*Gang Plow.*



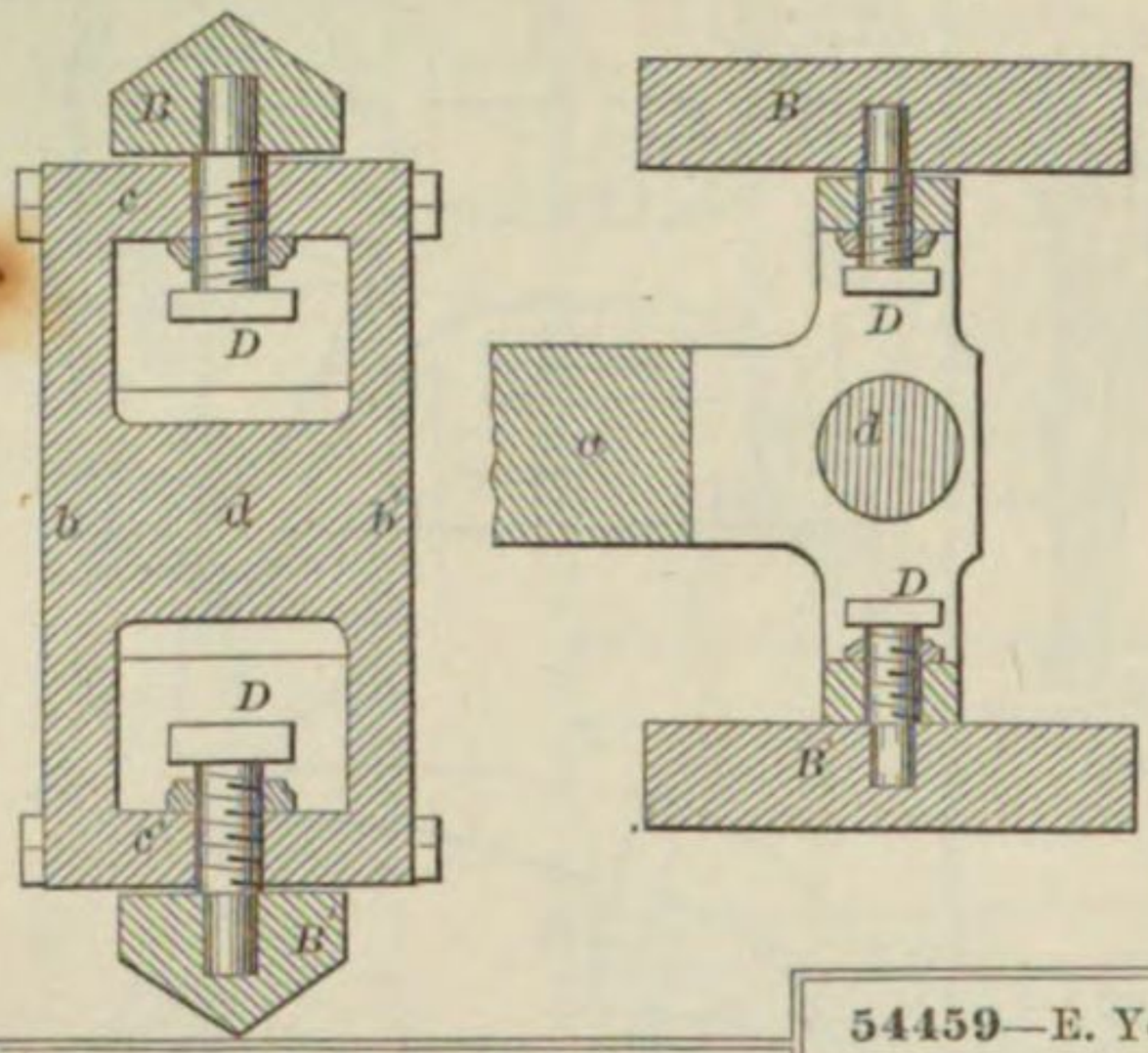


54454—C. H. Webb—*Rock Drill.*

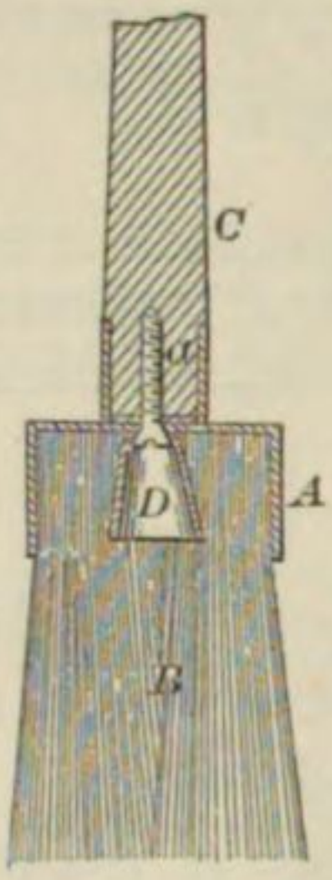
54455—S. Wesson—*For Finishing the Ends of Pen Handle Tubes.*

54456—West & Carey—*Centrifugal Machine for Cleansing Sugar.*

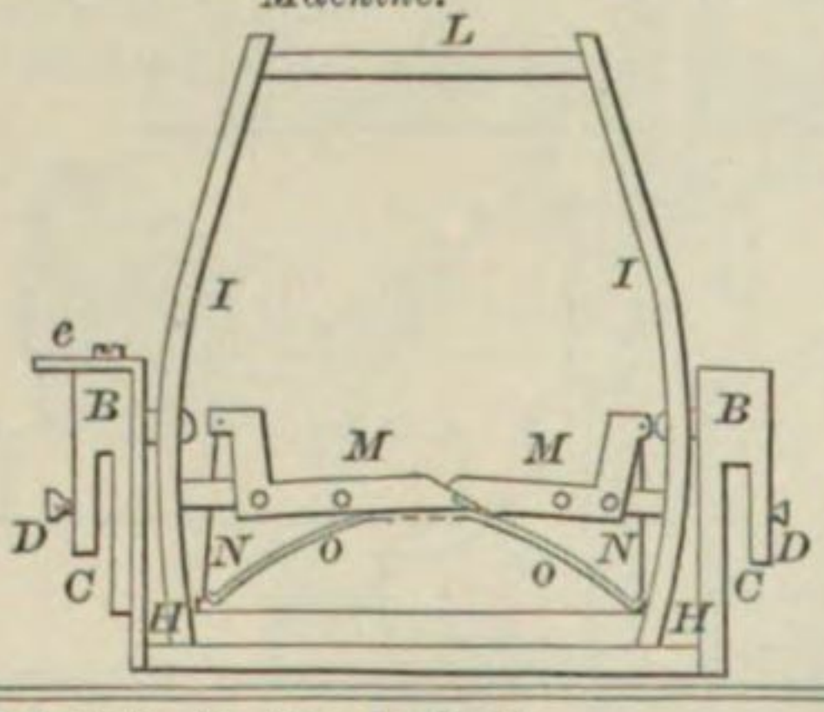
54457—J. West—*Cross Head.*



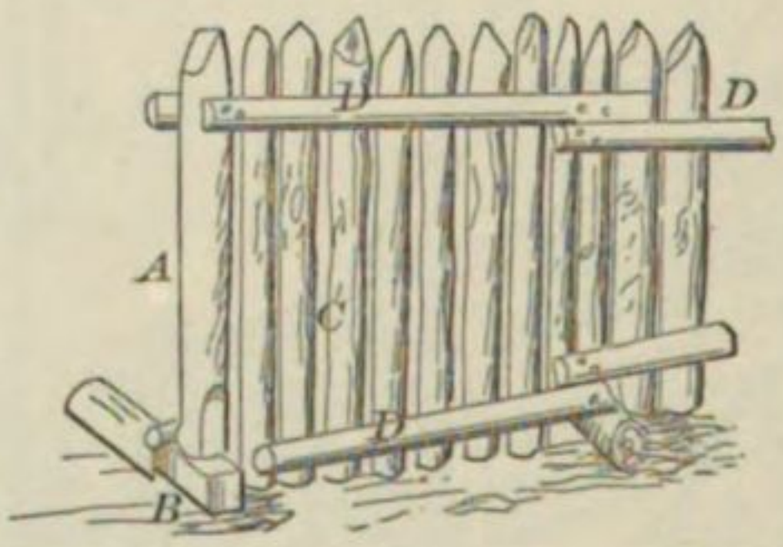
54464—L. P. Faught—*Brush.*



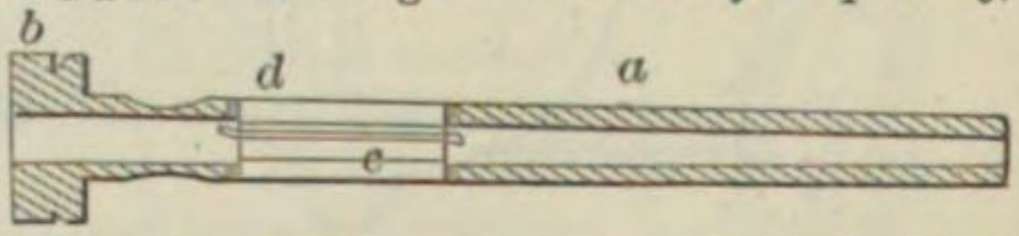
54458—A. C. Whittier—*Washing Machine.*



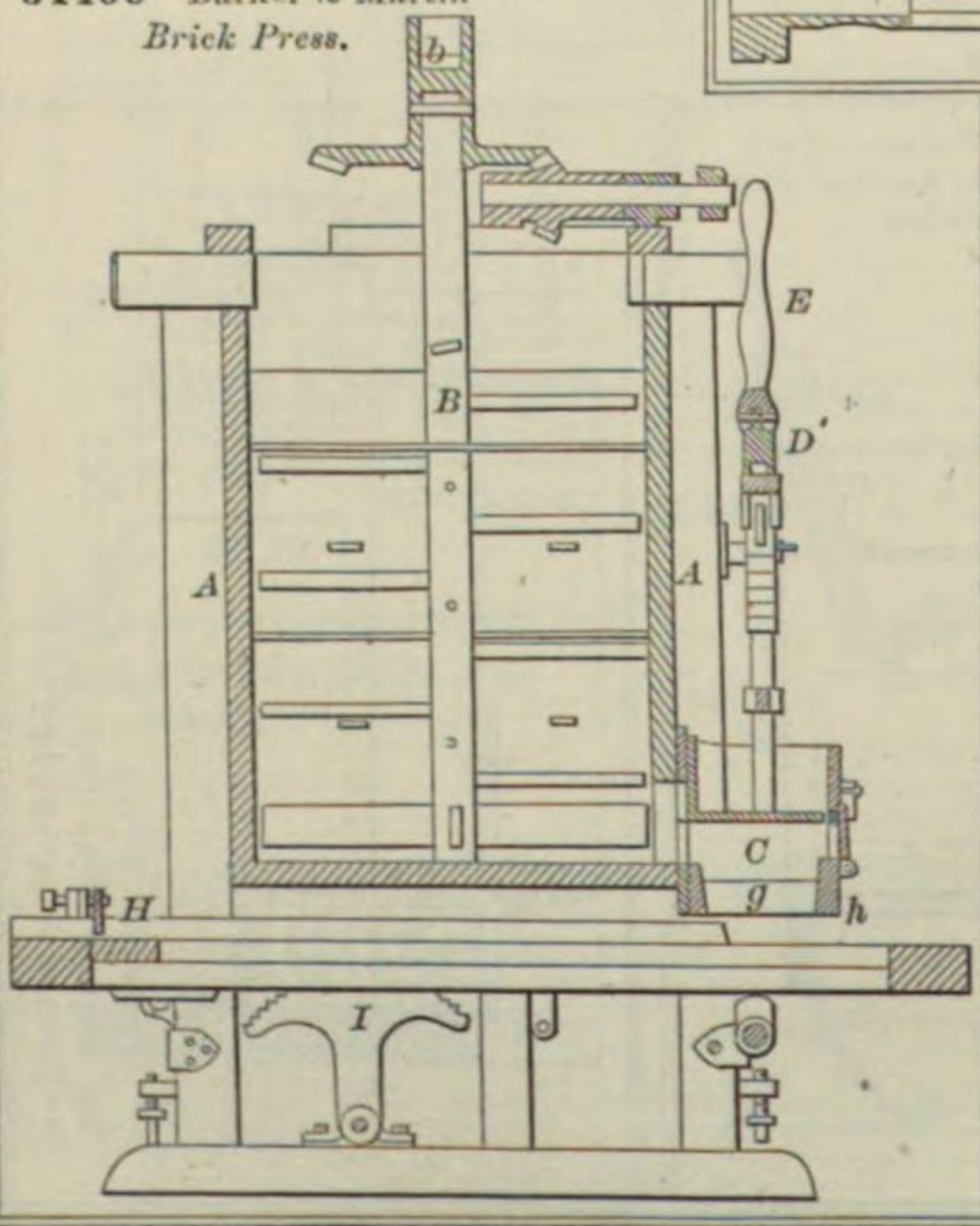
54459—E. York—*Fence.*



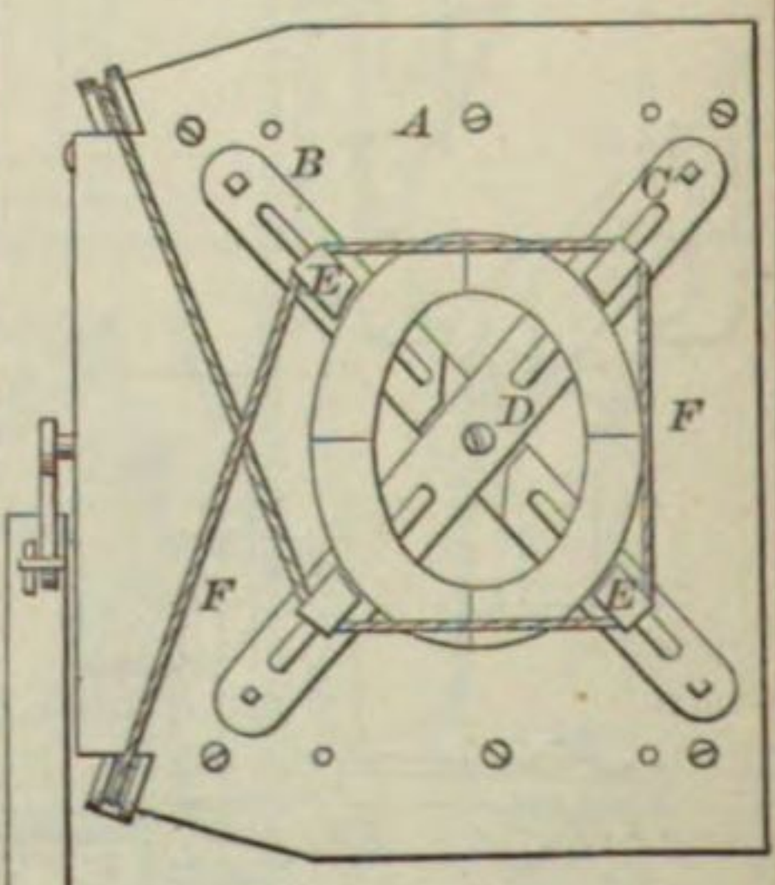
54465—L. Ferguson—*Bobbin for Spinning, &c.*



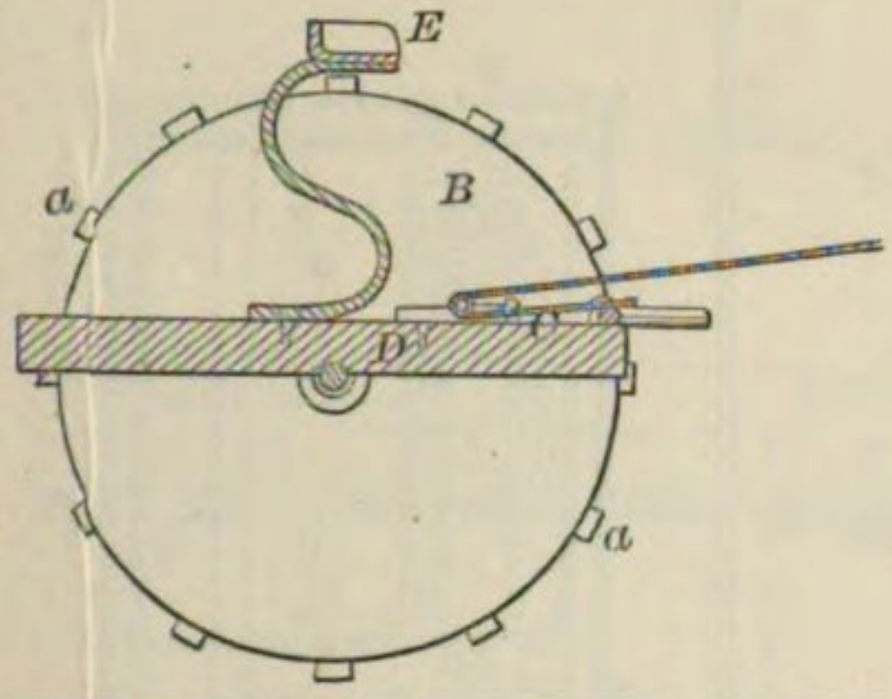
54460—Barker & Martin—*Brick Press.*



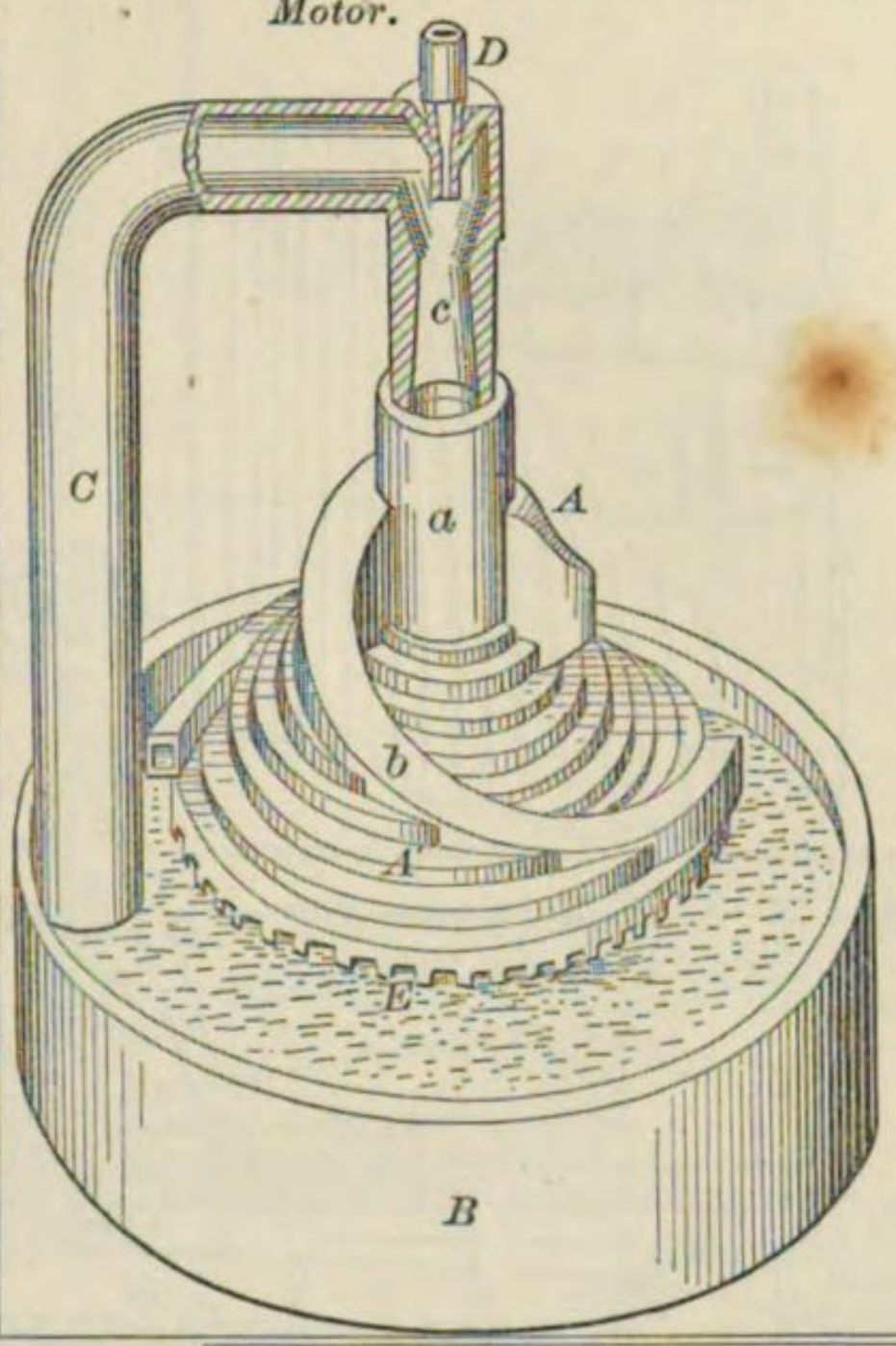
54463—J. A. H. Dunne—*Picture Frame Clamp.*



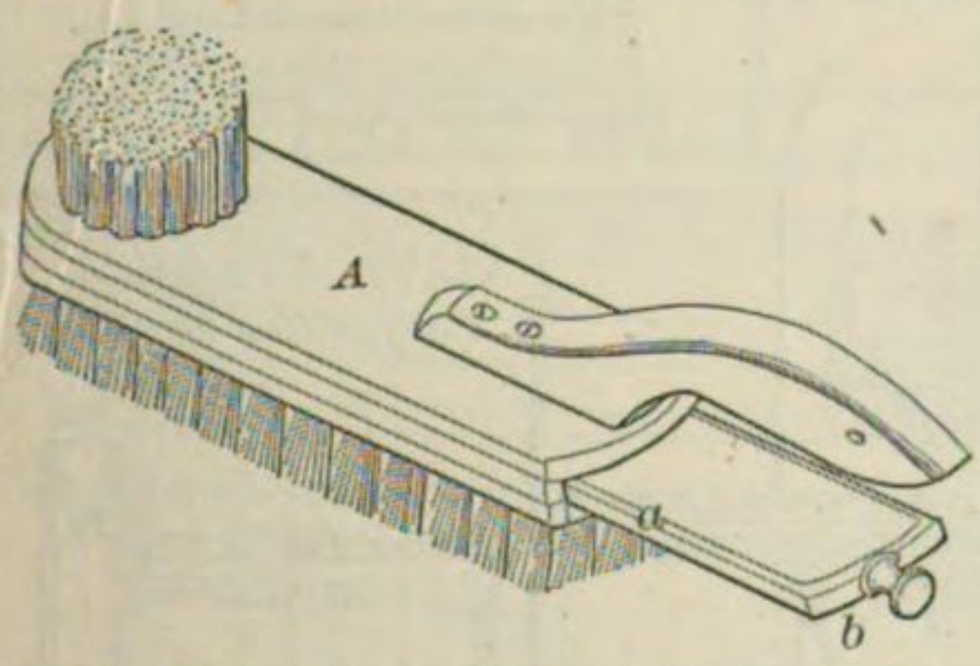
54466—B. G. Fitzhugh—*Harvester.*



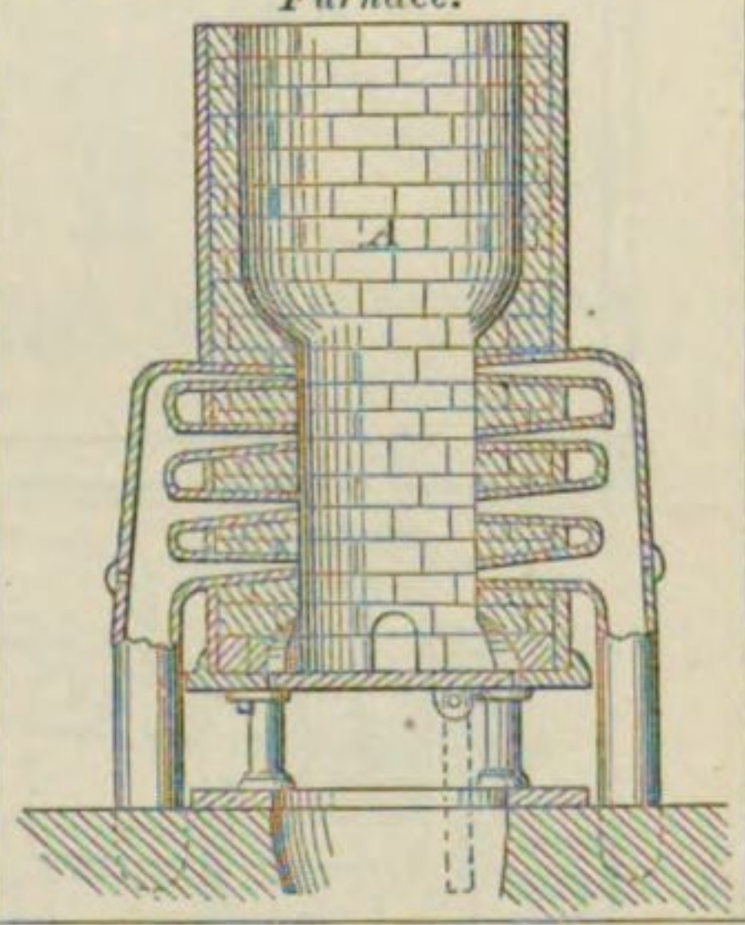
54469—F. Millward—*Steam and Water Motor.*



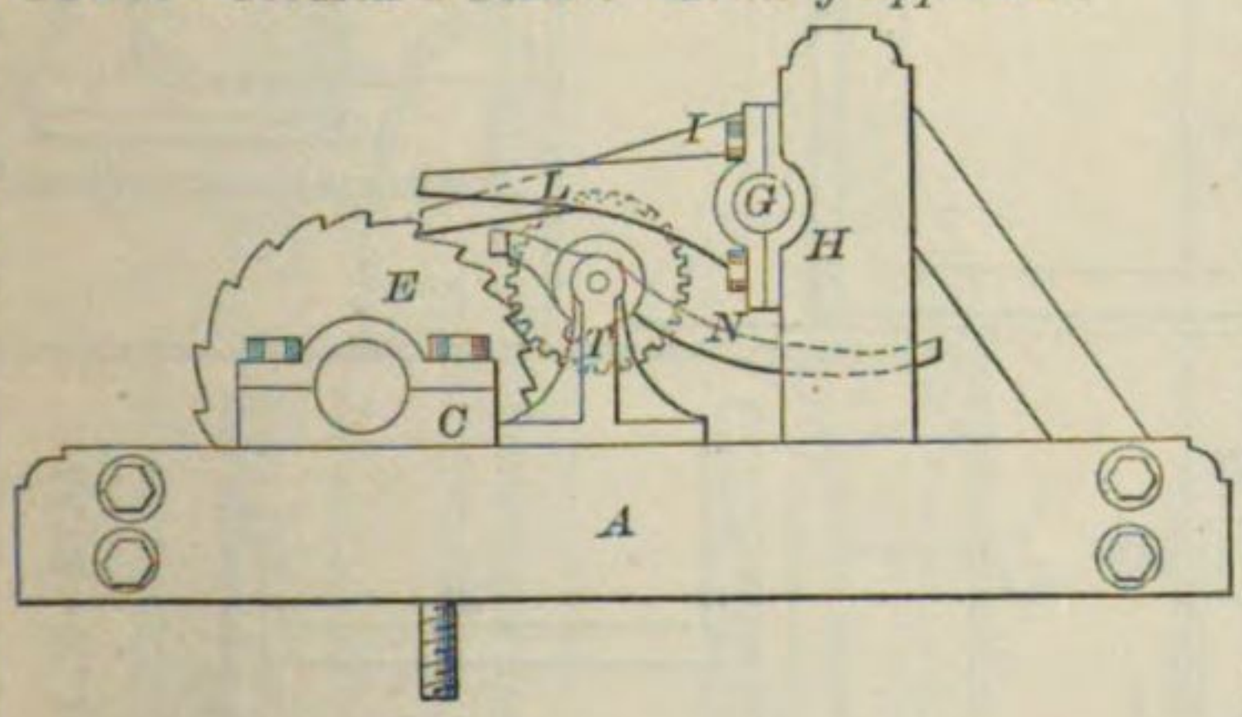
5447?2—N. G. Whitmore—*Blacking Brush.*



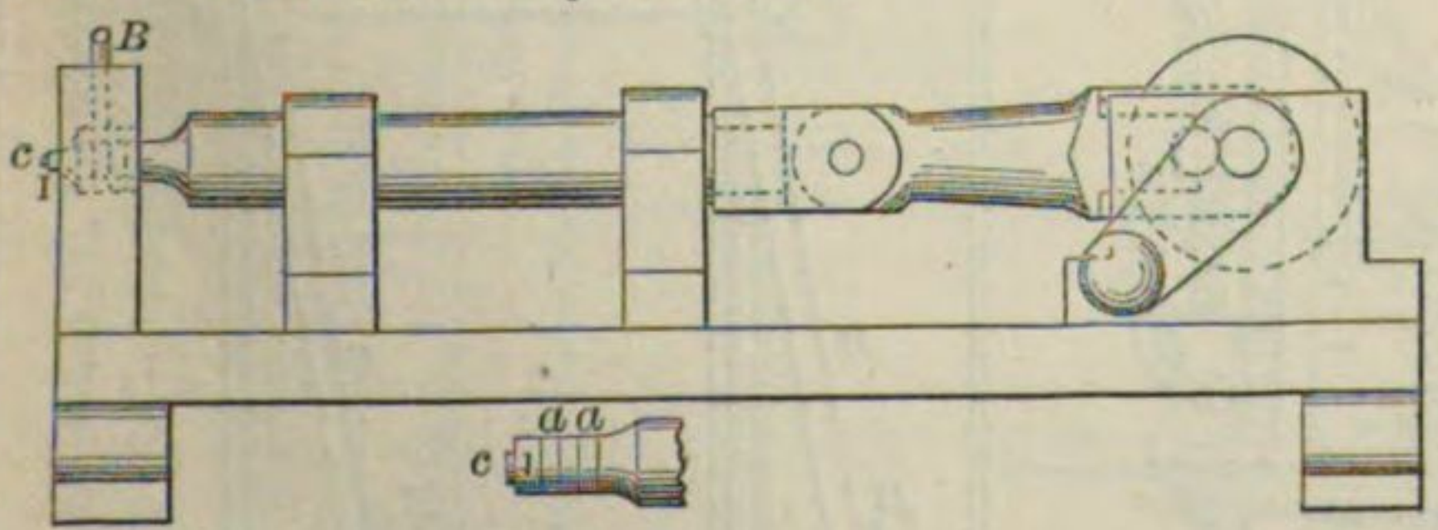
54470—C. Truesdale—*Cupola Furnace.*



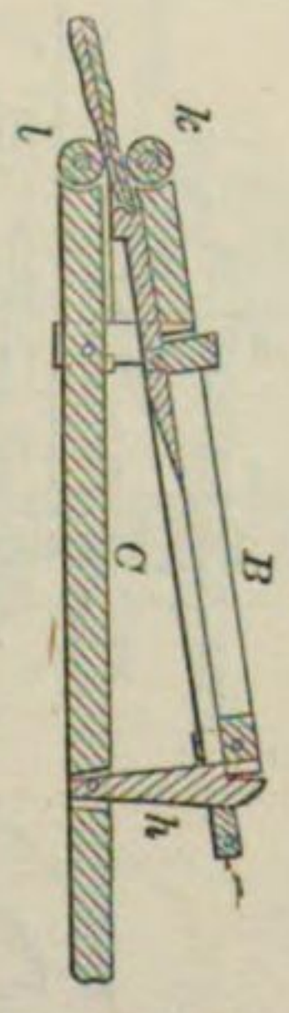
54467—Goodsell & Frisbie—*Hoisting Apparatus.*



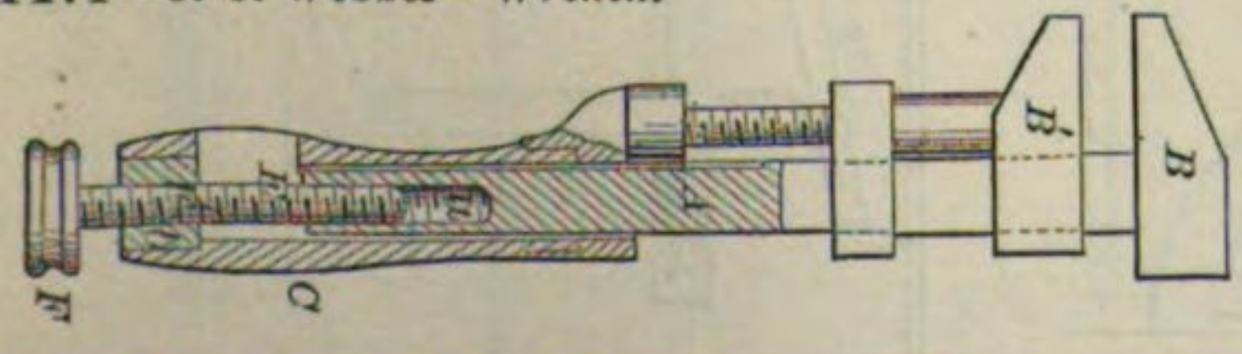
54468—E. E. Marsh—*Eyelet Machine.*



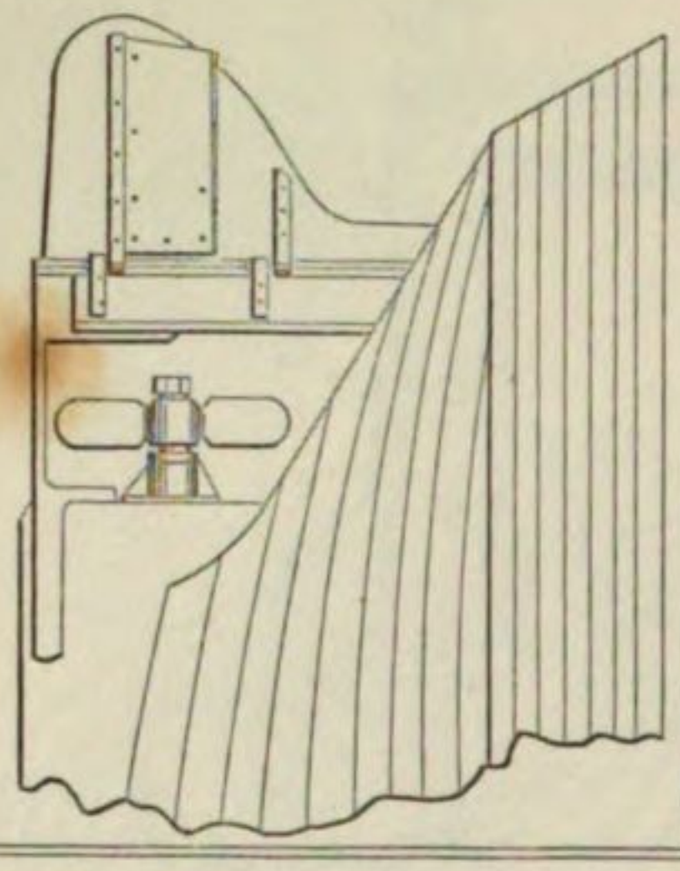
54473—M. H. Wiley—*Mop.*



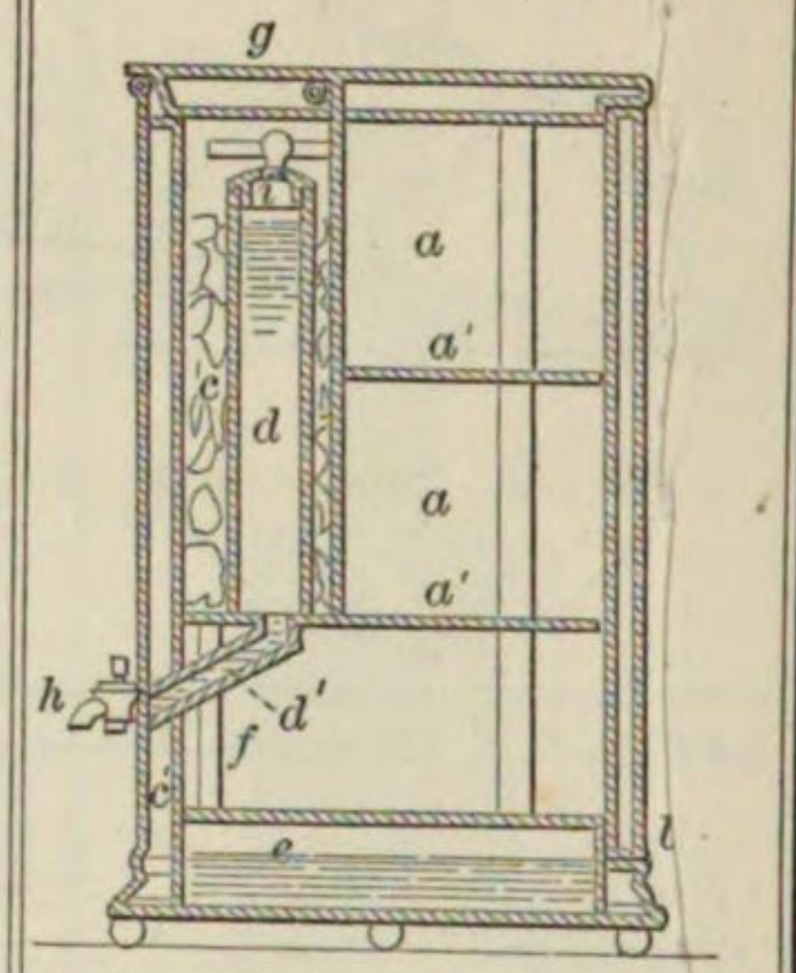
54471—C. C. Webber—*Wrench.*



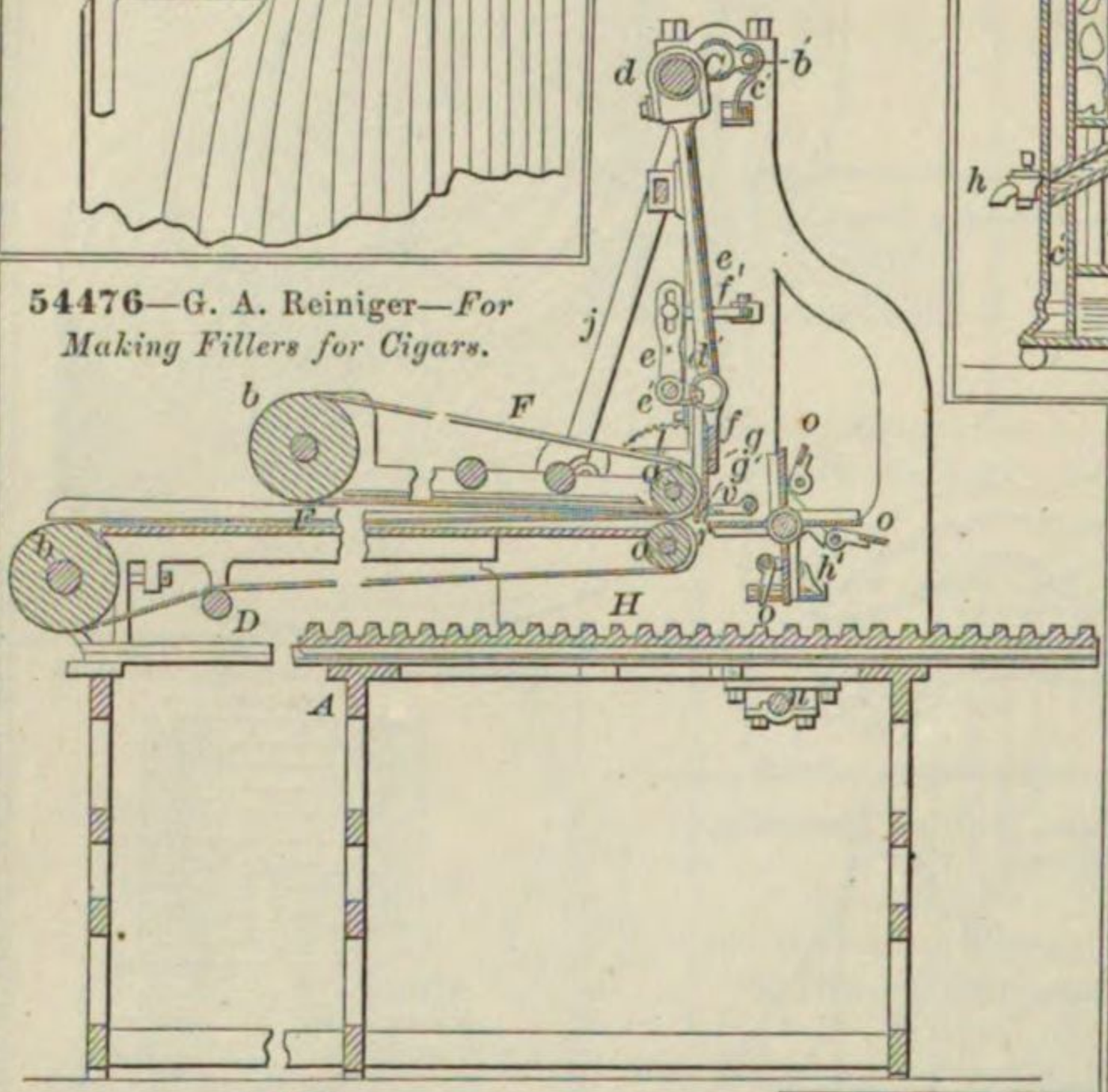
54474—J. Mc G. Croft—*Rudder.*



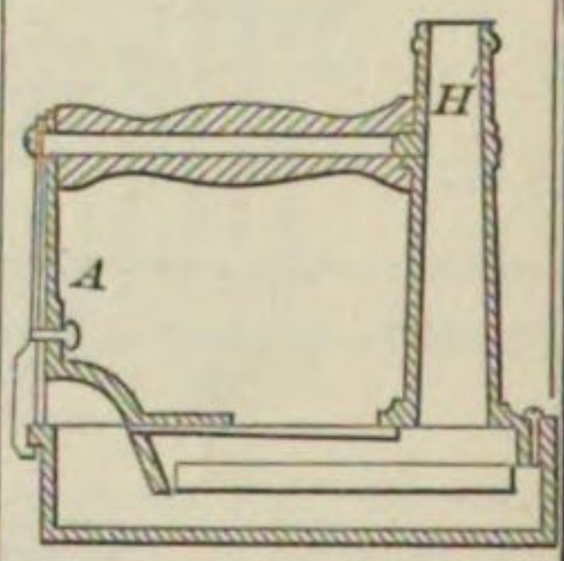
54475—C. Falck—*Refrigerator.*



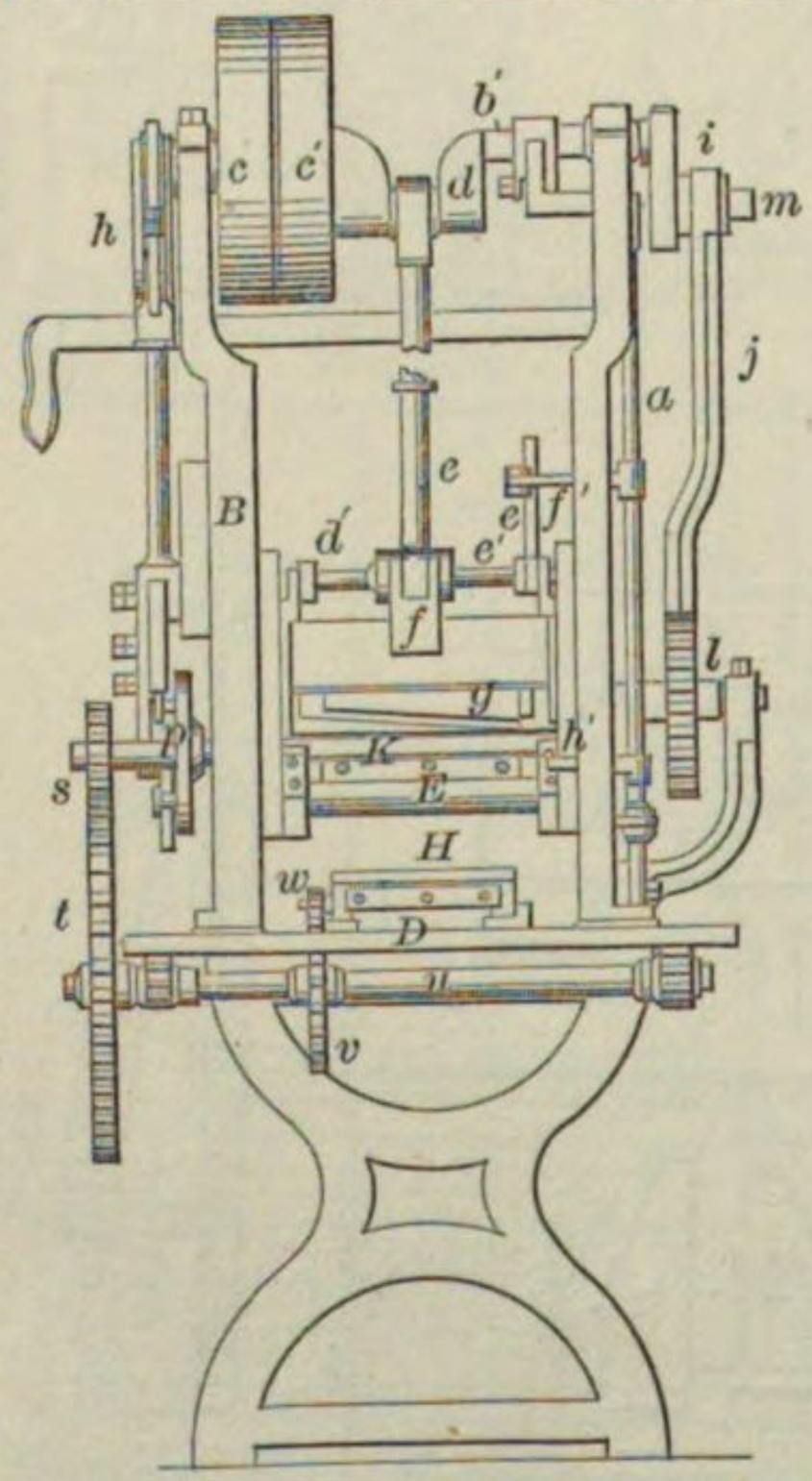
54476—G. A. Reiniger—*For Making Fillers for Cigars.*

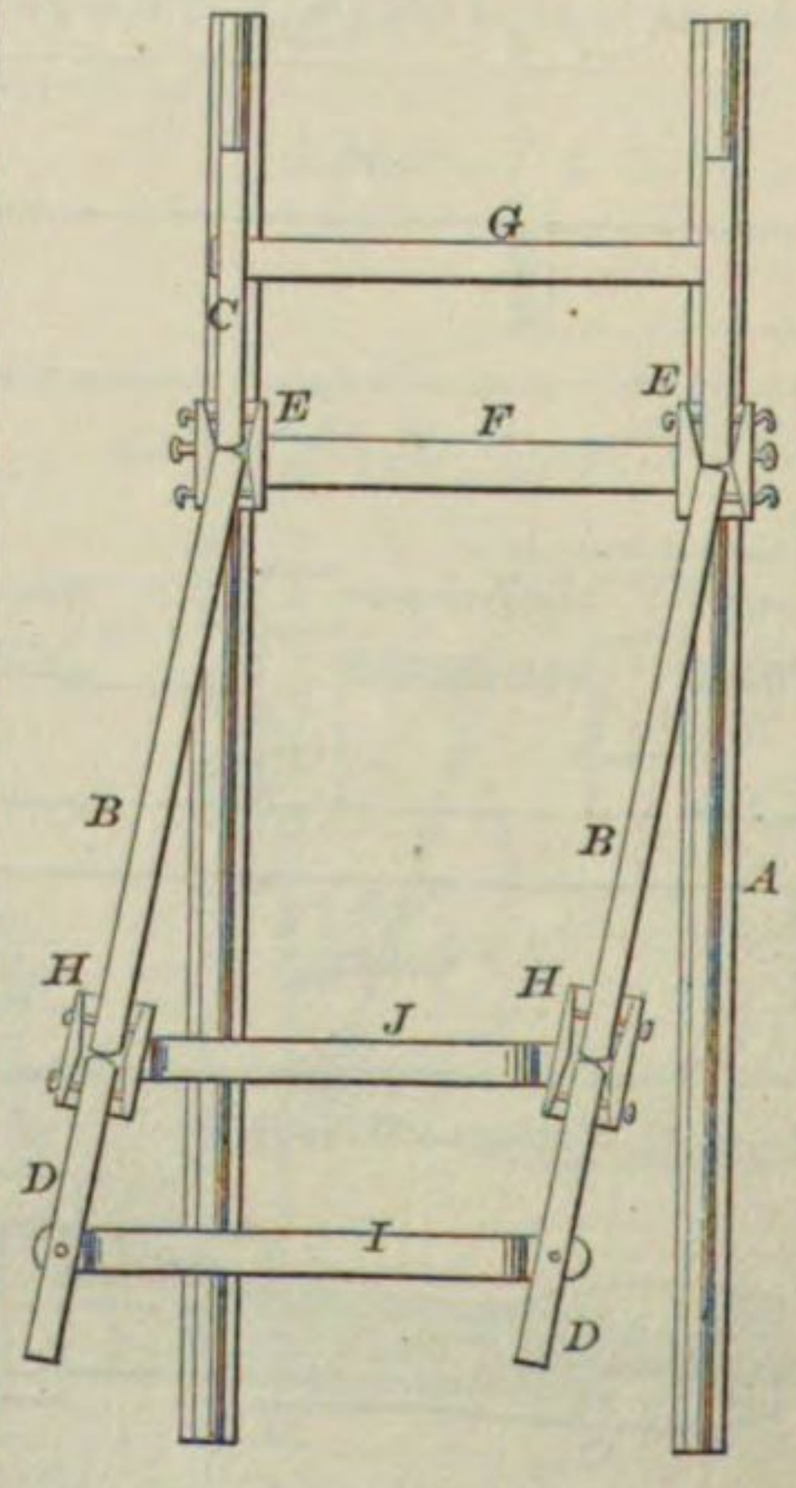


54477—F. Stoker—*Composition for Fuel.*

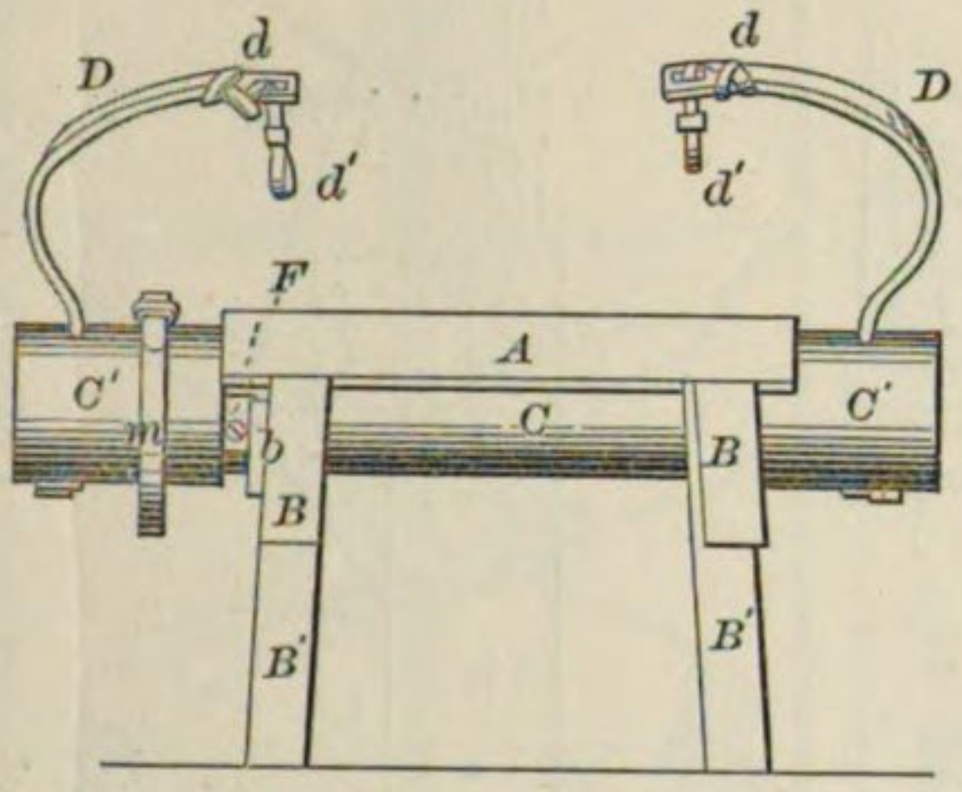


54478—N. Pullman—*Switch for Replacing Cars.*

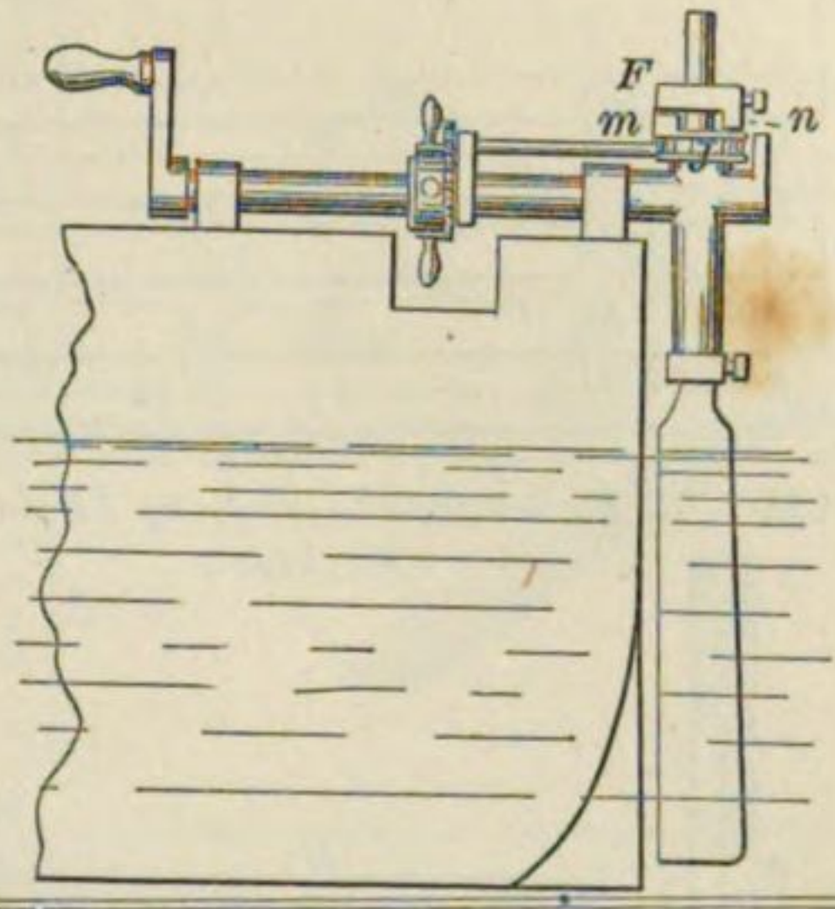




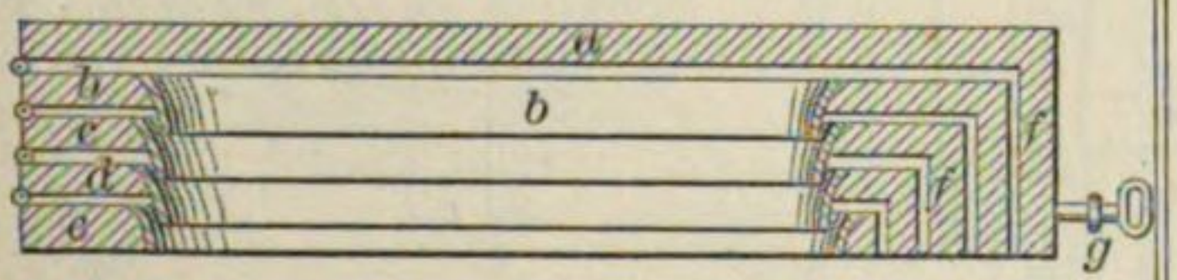
54479—Albert & Shank—*Sheep Holder for Shearing.*



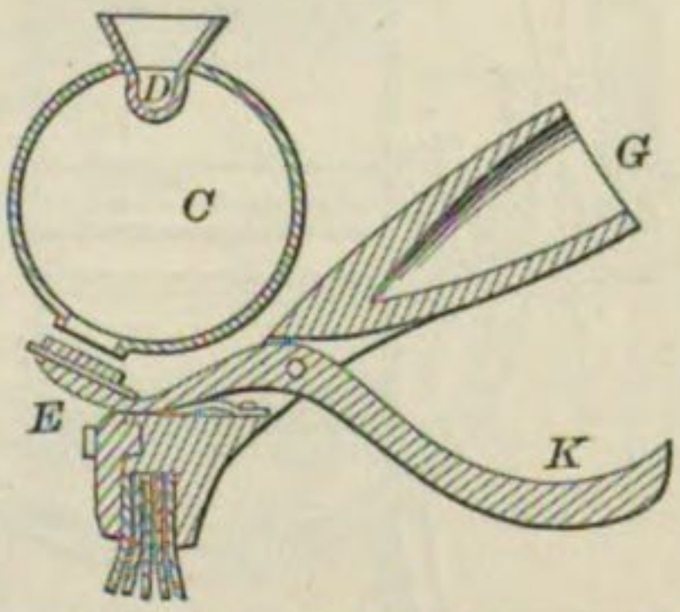
54481—J. F. Allen—*Propeller.*



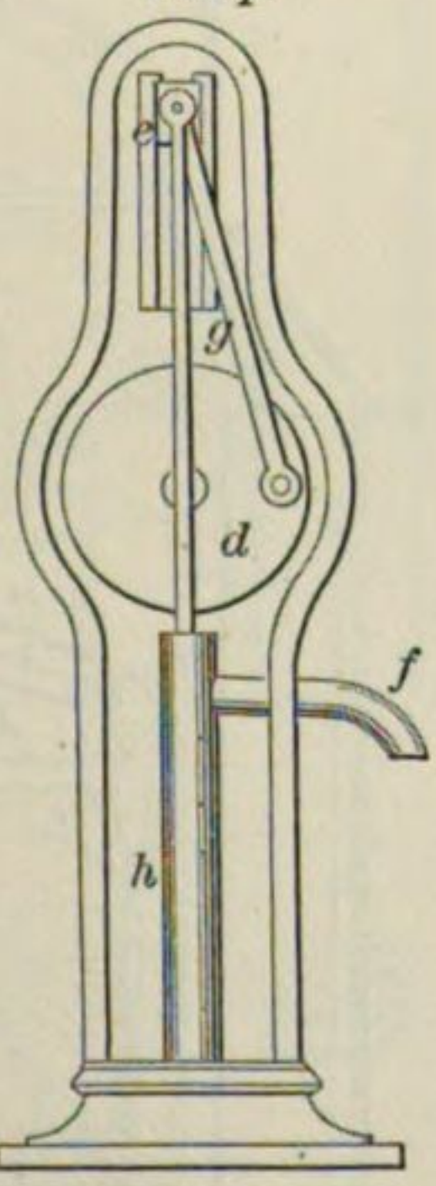
54480—L. Alexander—*Water Closet Seat.*



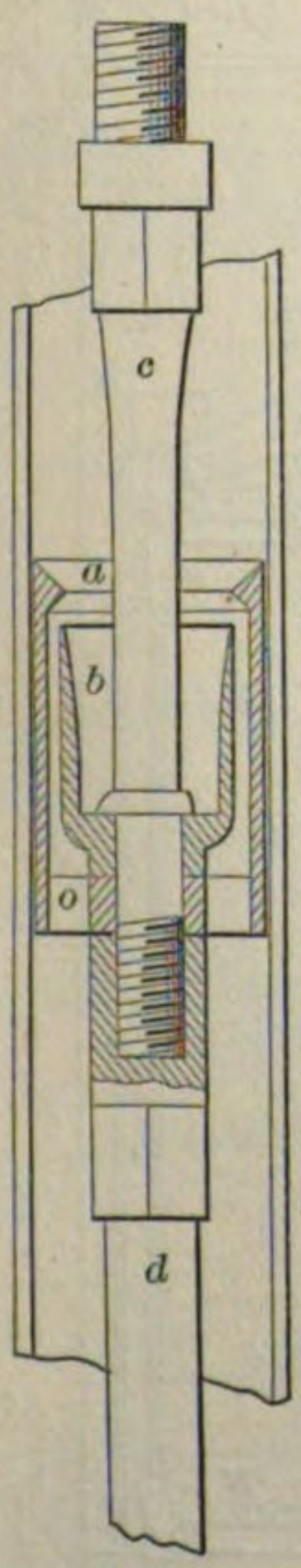
54482—A. H. Allison—*Scrubber and Tender.*



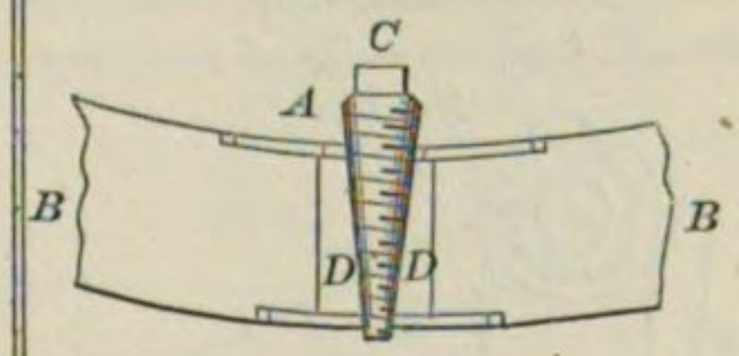
54483—R. H. Andrews—*Pump.*



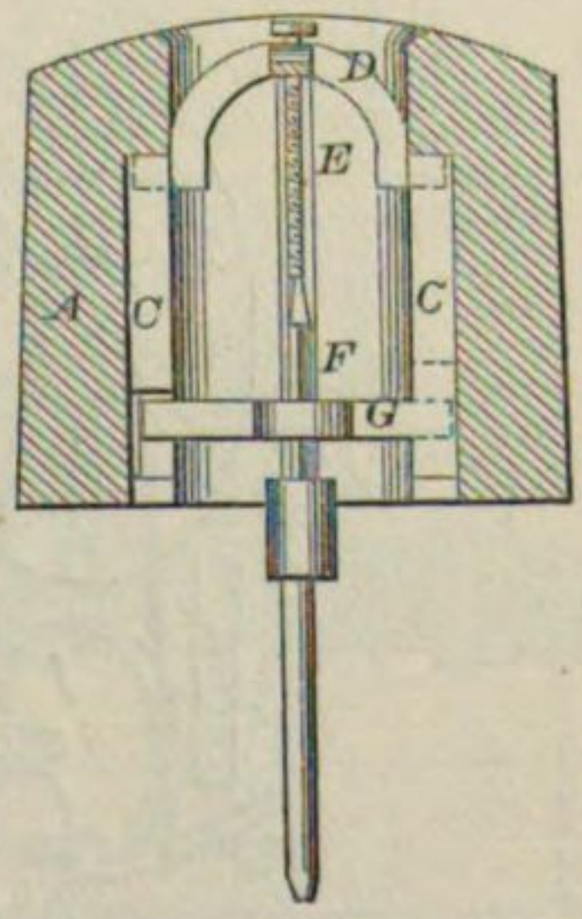
54484—F. Armstrong—*For Protecting Pumps in Deep Wells.*



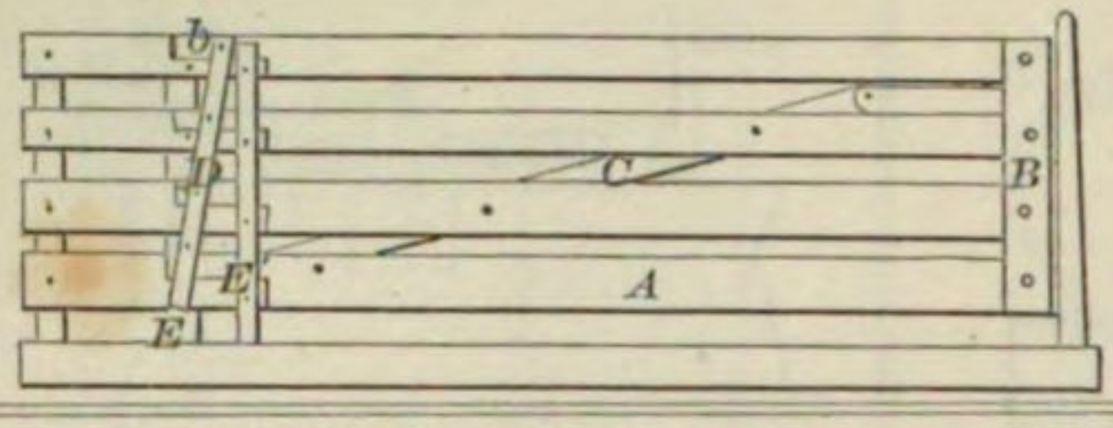
54485—H. Austin—*Coupling for Carriage Felloes.*



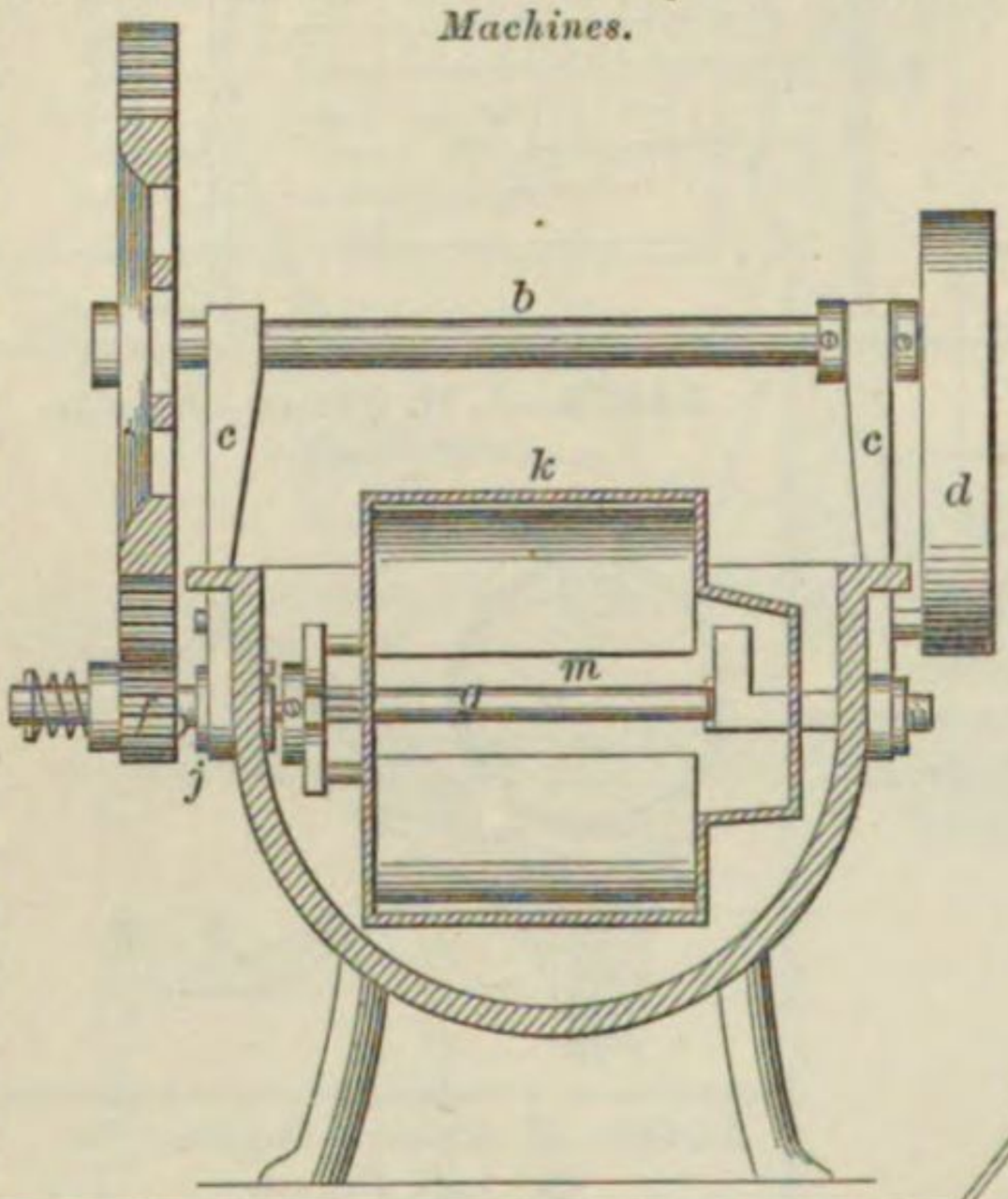
54486—J. W. Baldwin—*Grinding Mill.*



54487—A. G. Barnard—*Fence Gate.*



54491—J. F. Burchard—*Forcing Air in Carburetting Machines.*



54493—J. Blayney—*Hand Spinning Machine.*

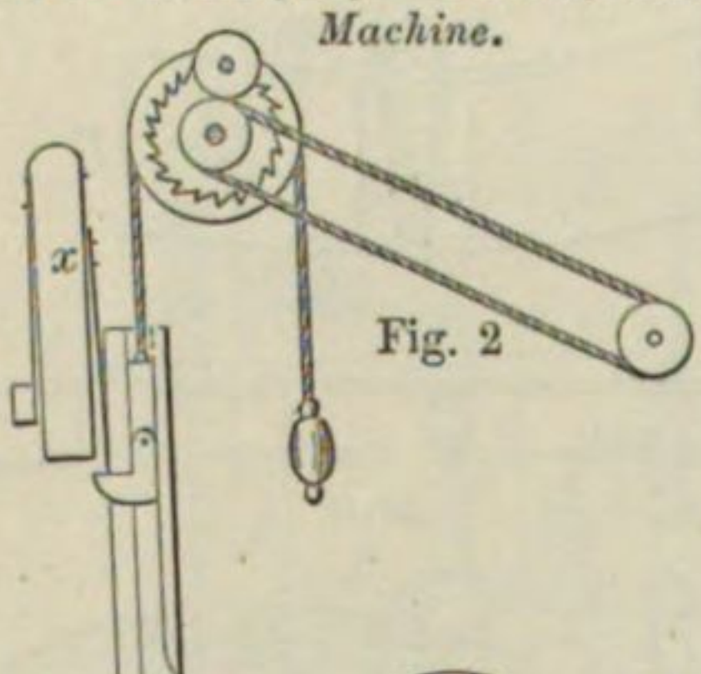


Fig. 2

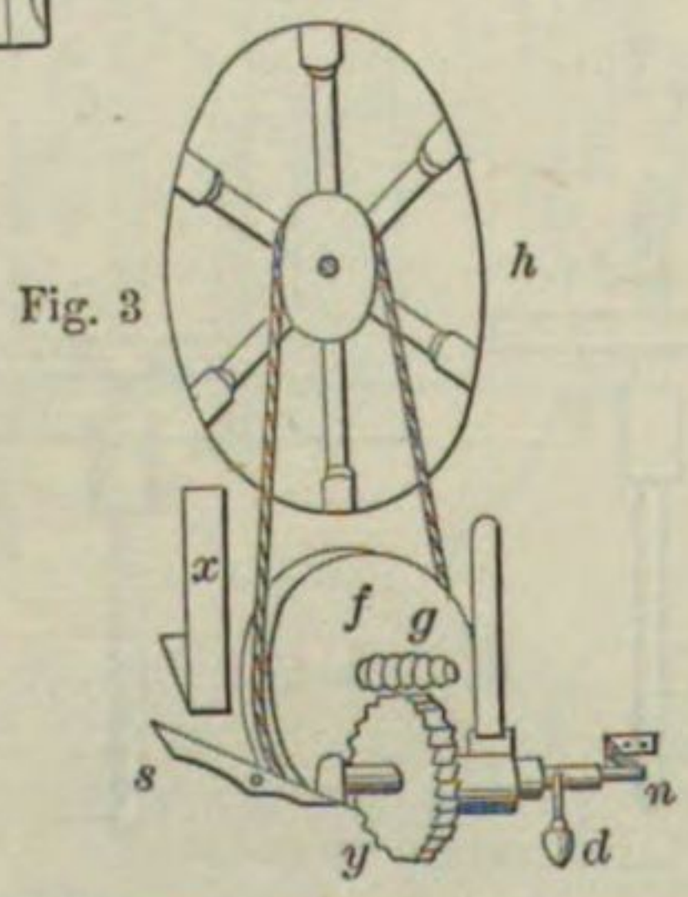
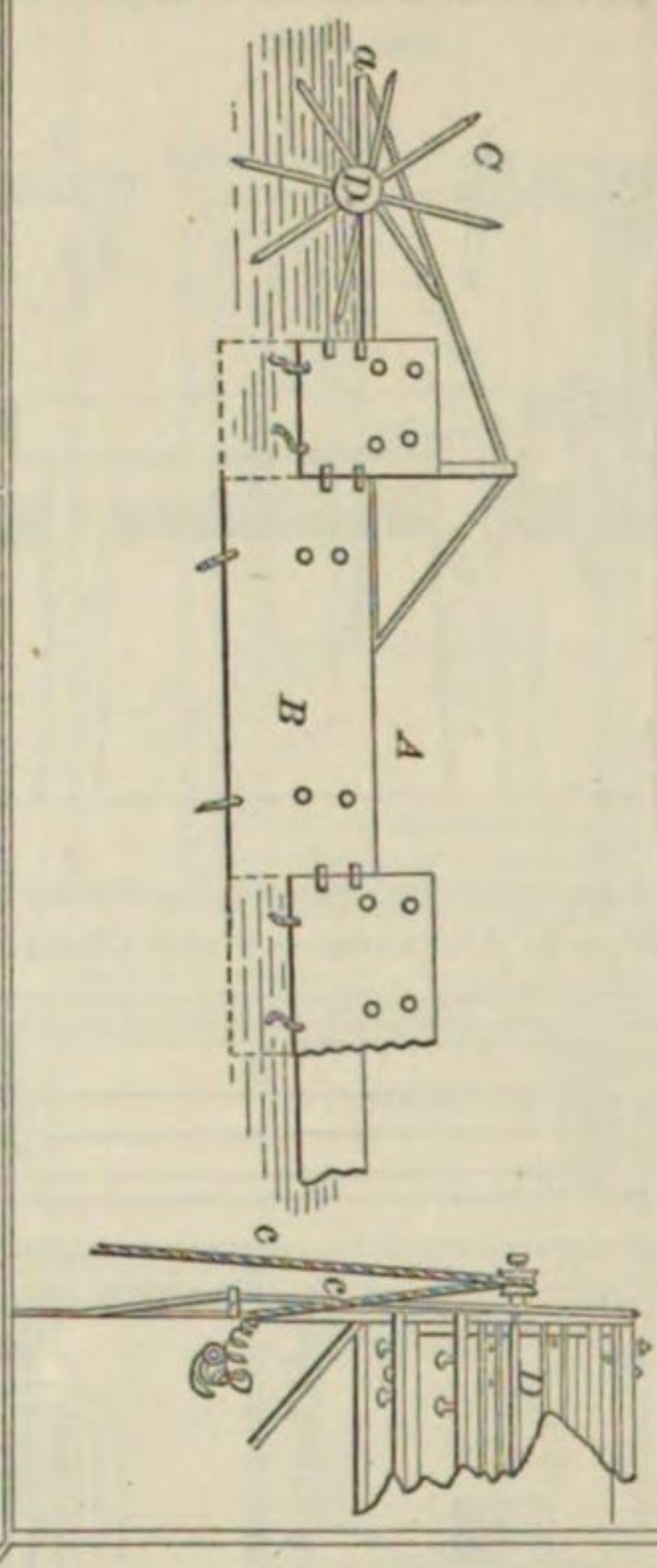
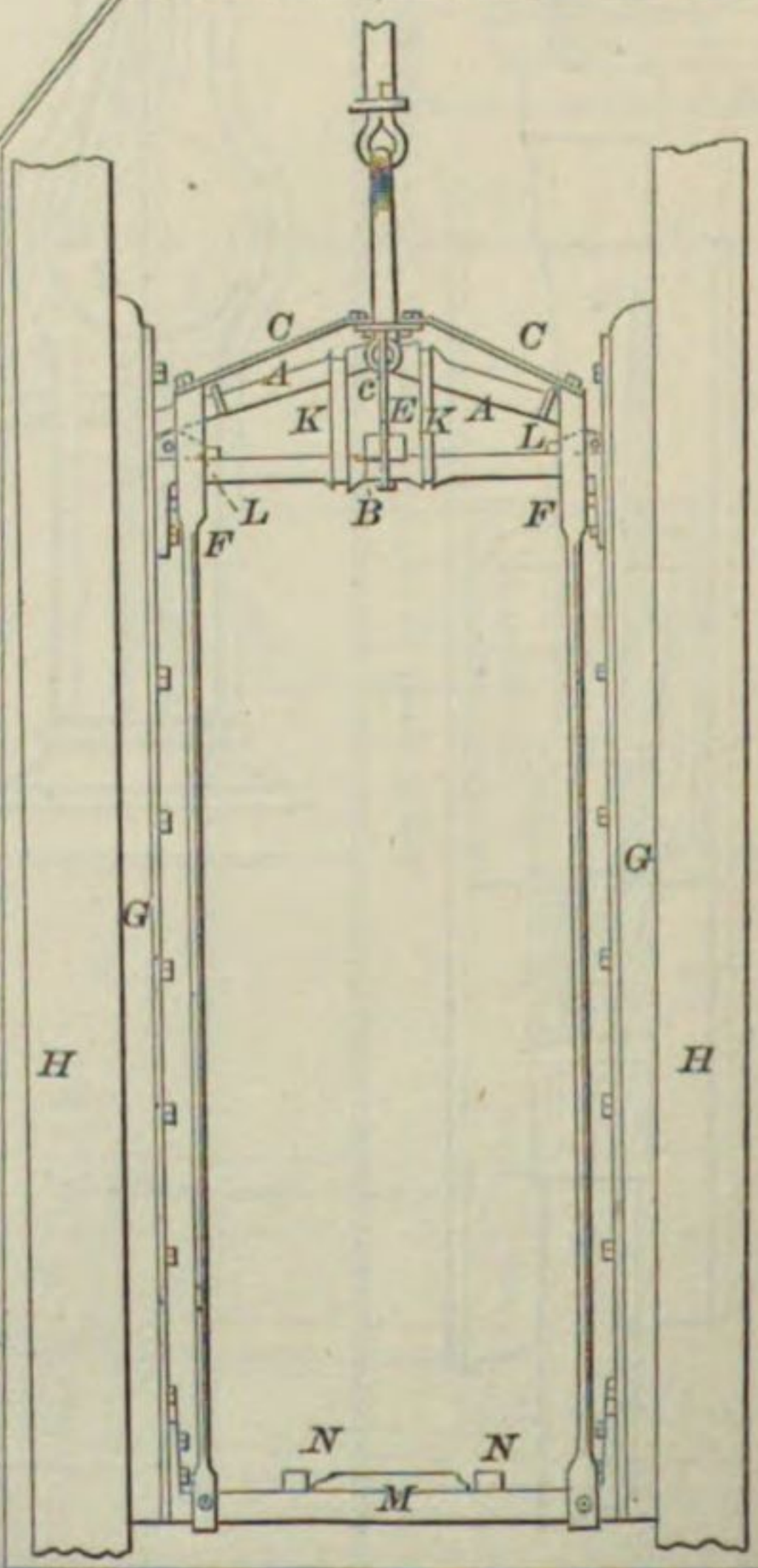


Fig. 3

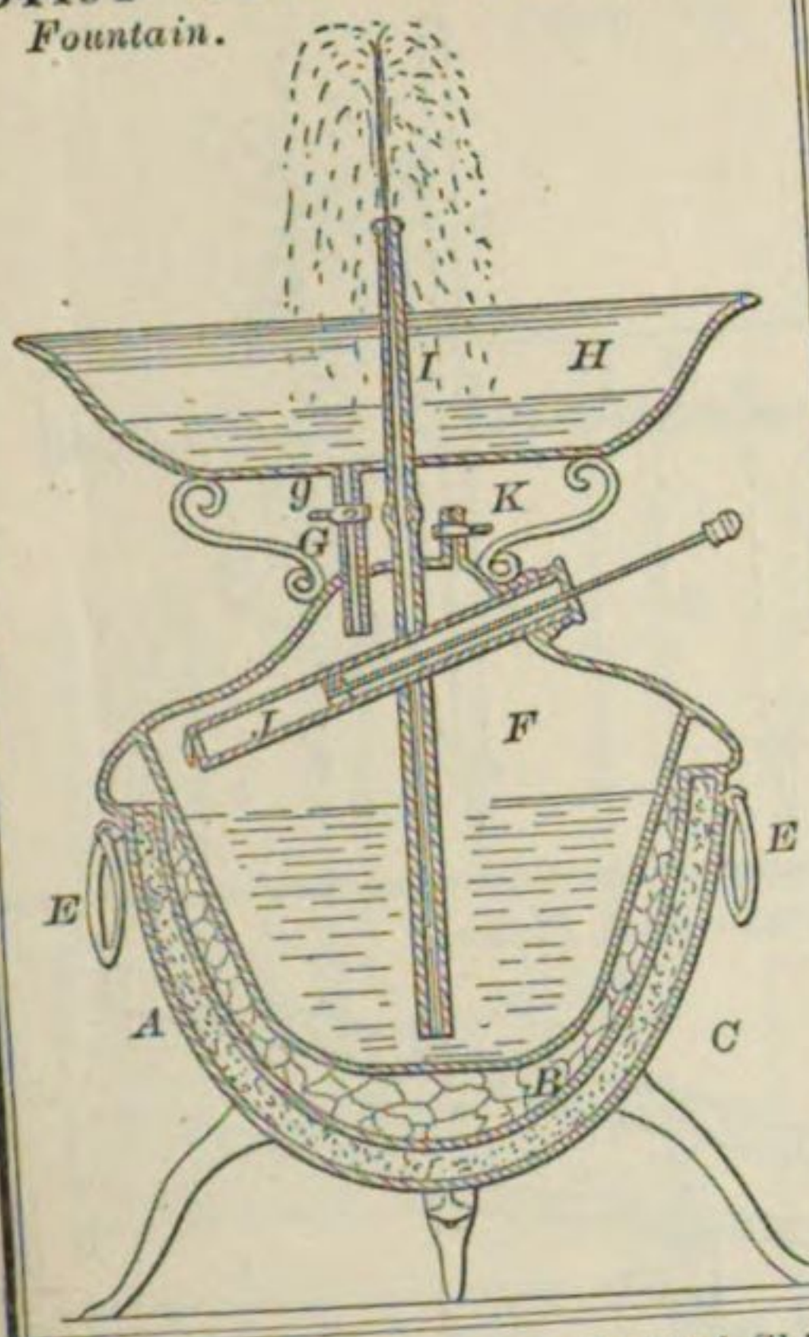
54489—E. Bell—*Removing Sand Bars from Rivers.*



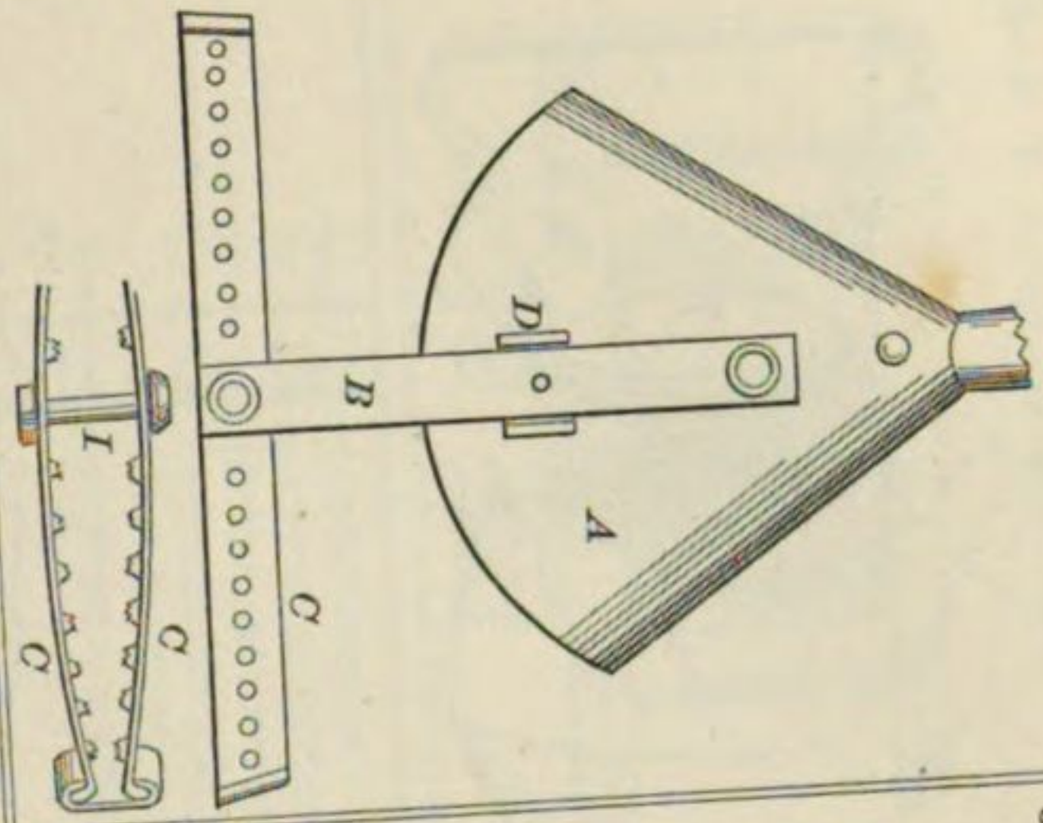
54490—Berry, Hoehholzer & Denver—*Cage for Hoisting.*



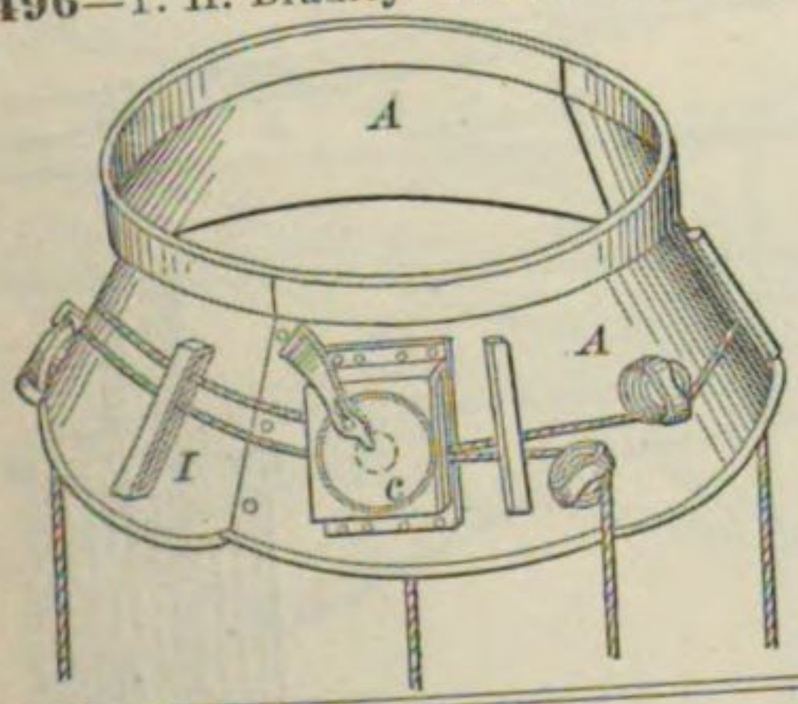
54494—T. H. Bonham—*Portable Fountain.*



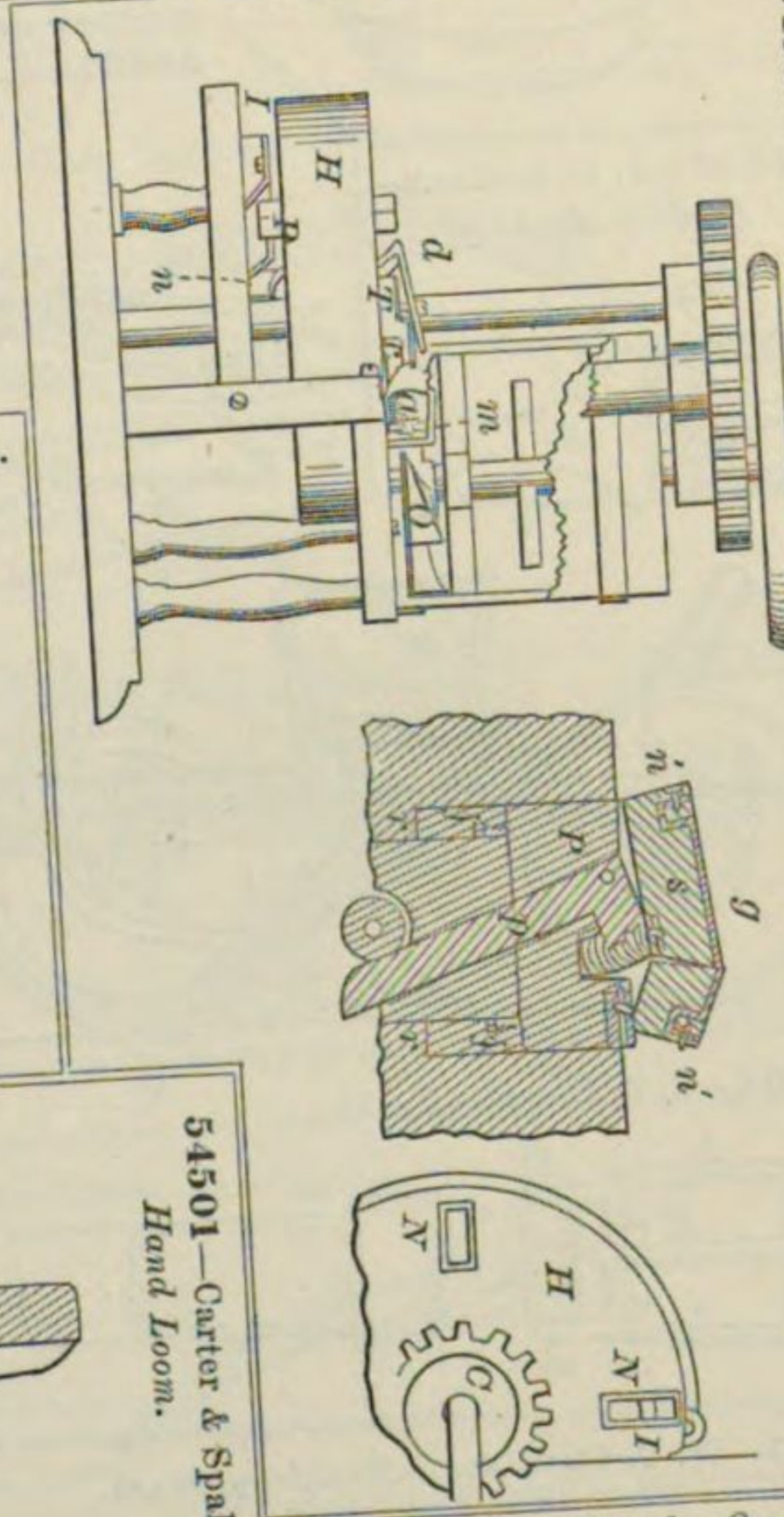
54498—H. Buck—*Broom Head.*



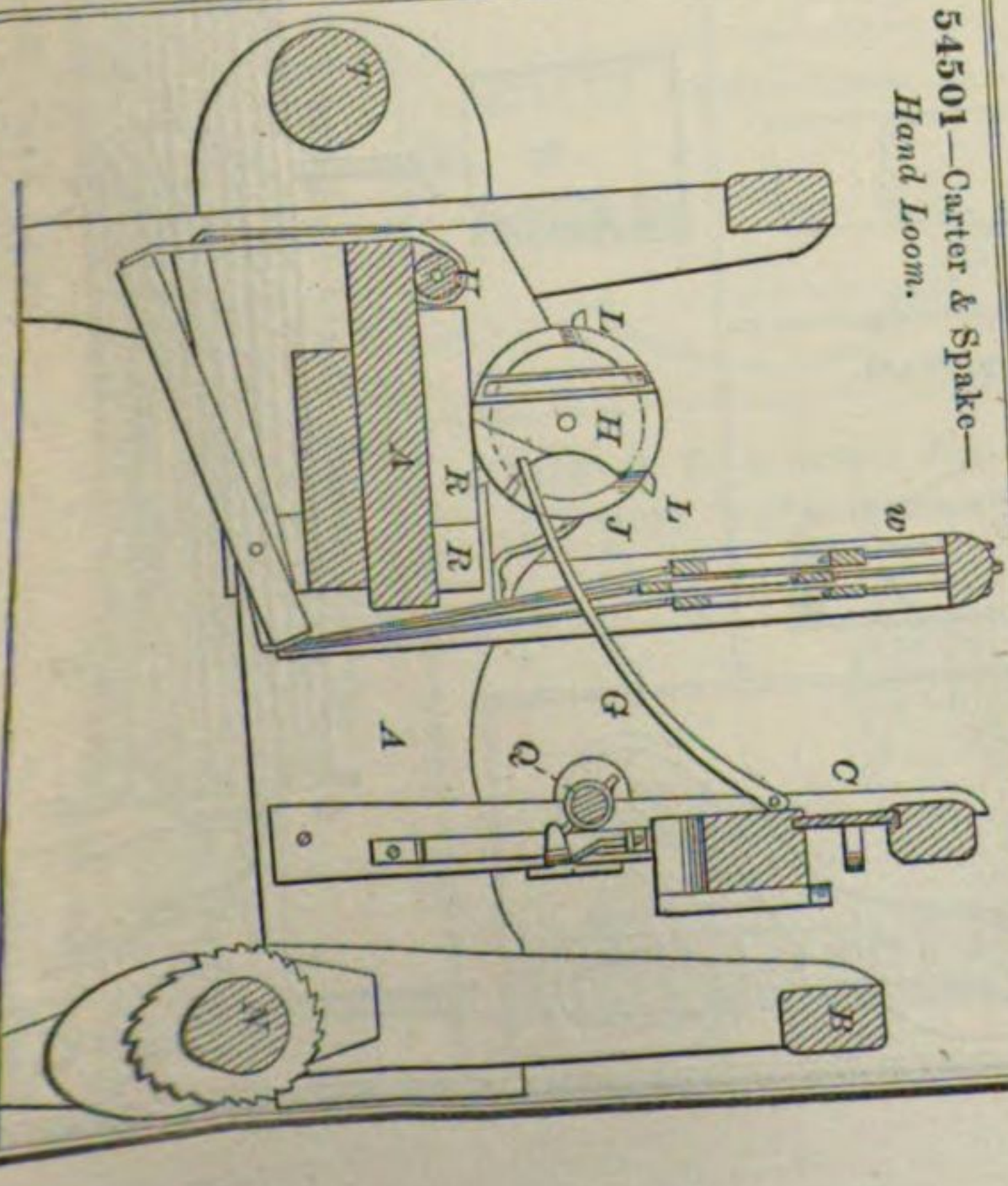
54496—T. H. Bradley—*Ladies' Skirt Lifter.*



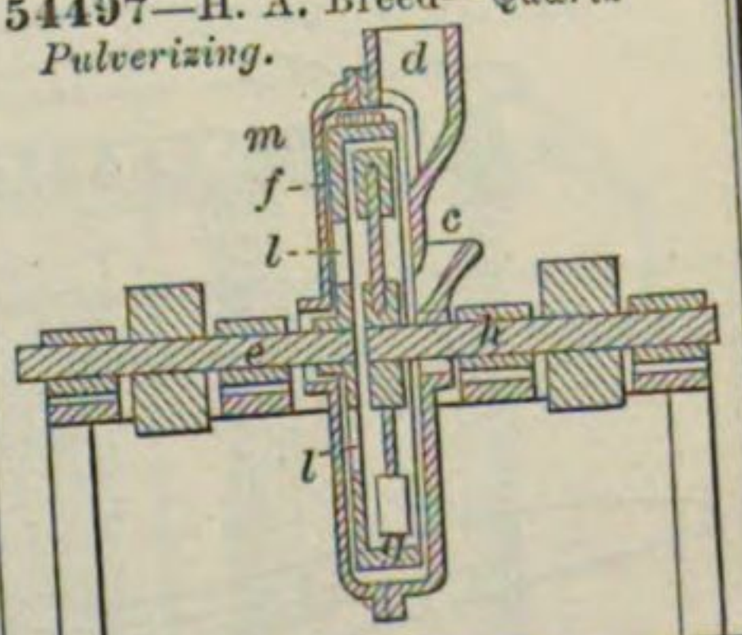
54500—E. P. H. Capron—*Brick Machine.*



54501—Carter & Spake—*Hand Loom.*

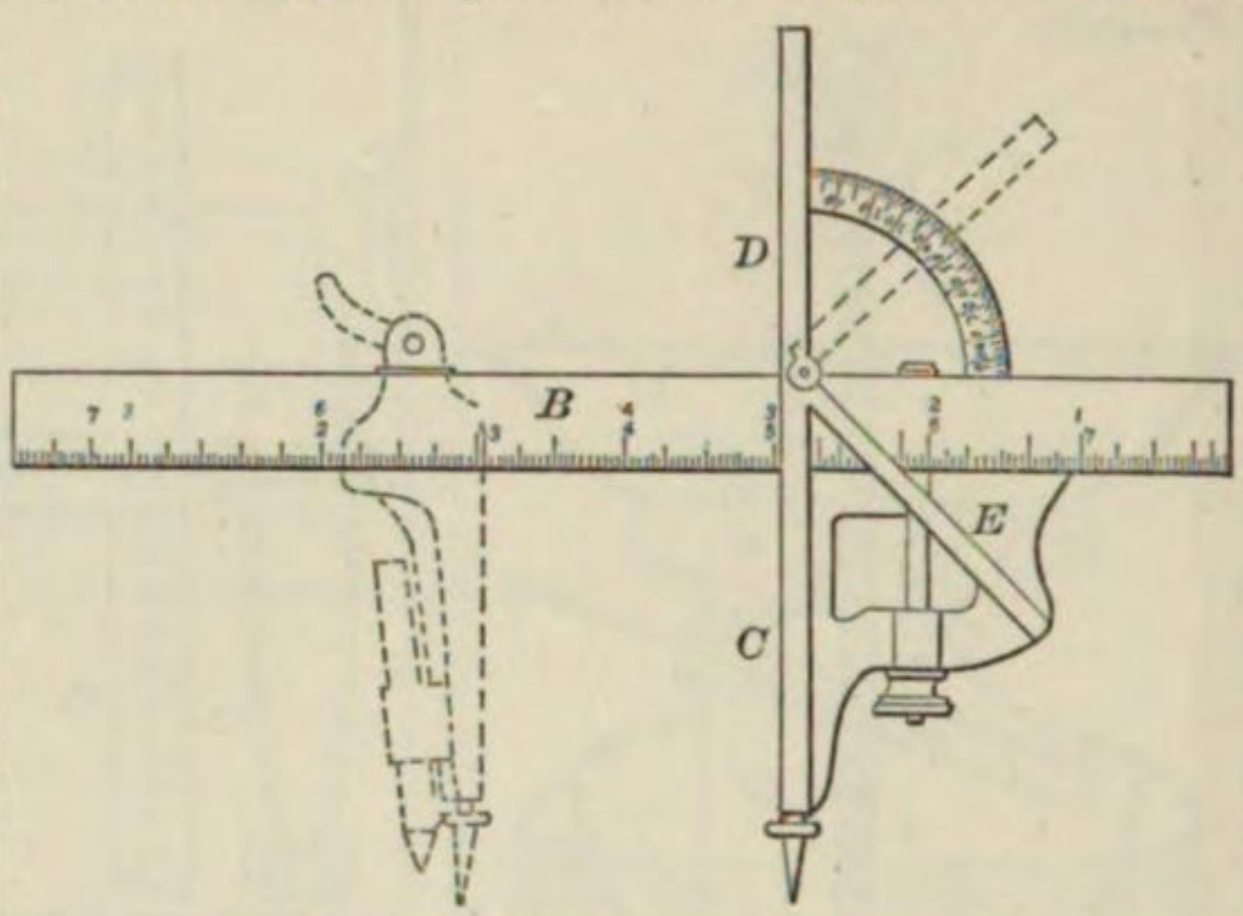


54497—H. A. Breed—*Quartz Pulverizing.*

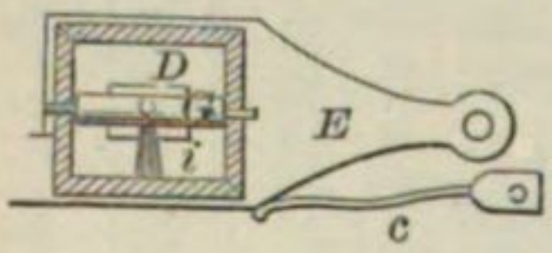


54502—W. Caven—*Tea Kettle.*

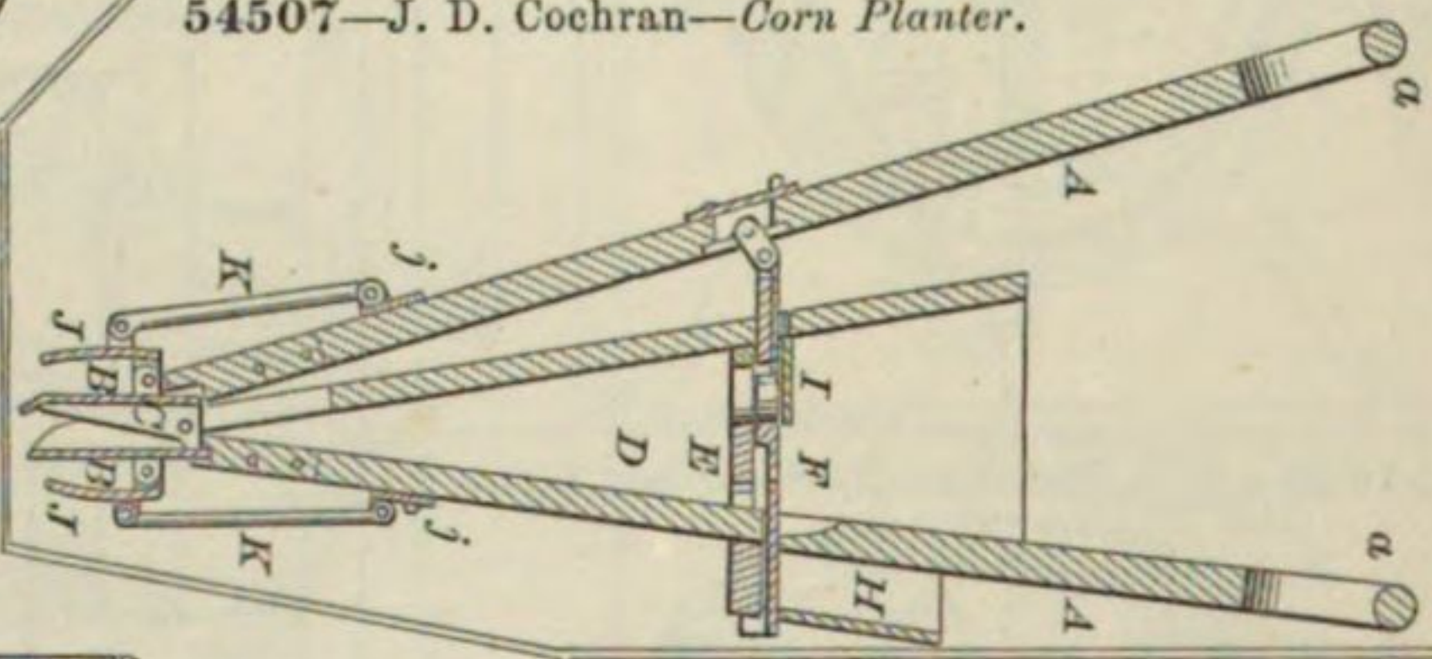
54503—O. R. Chaplin—*Combined Square and Level.*

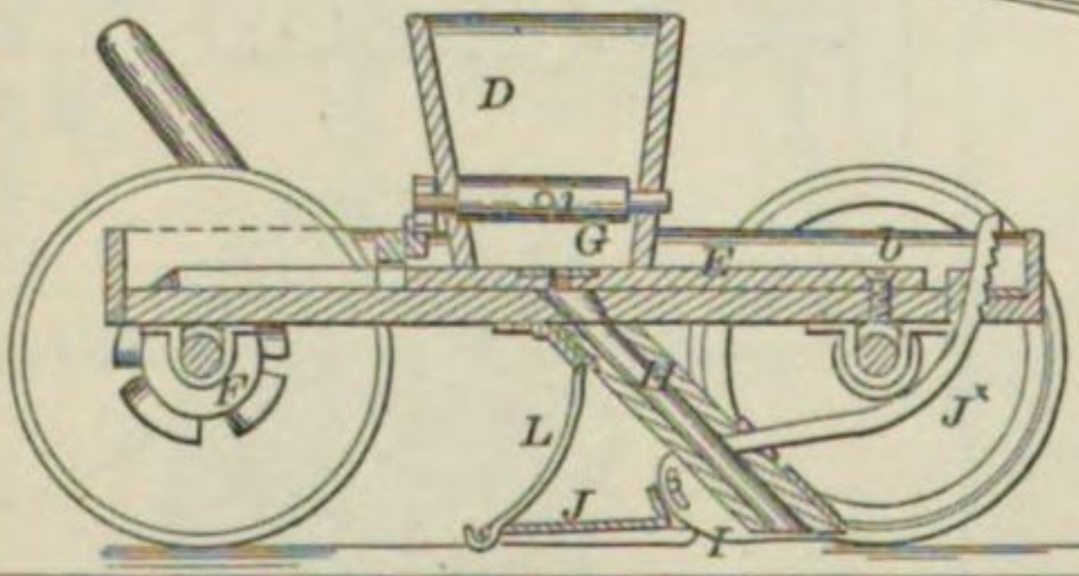


54506—J. D. Cochran—*Seeding Machine.*

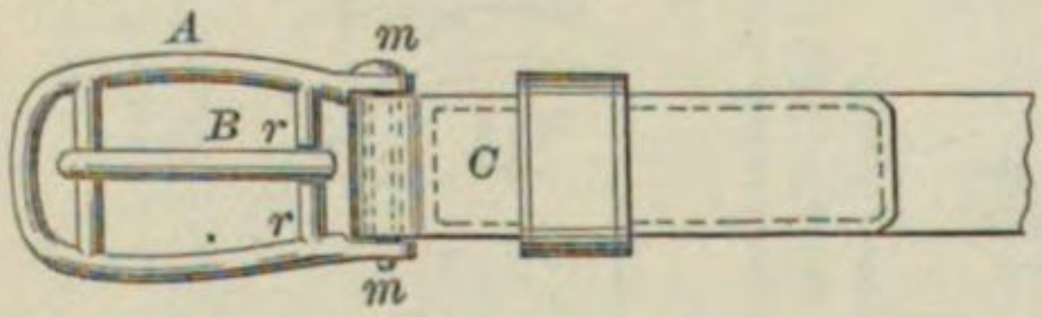


54507—J. D. Cochran—*Corn Planter.*

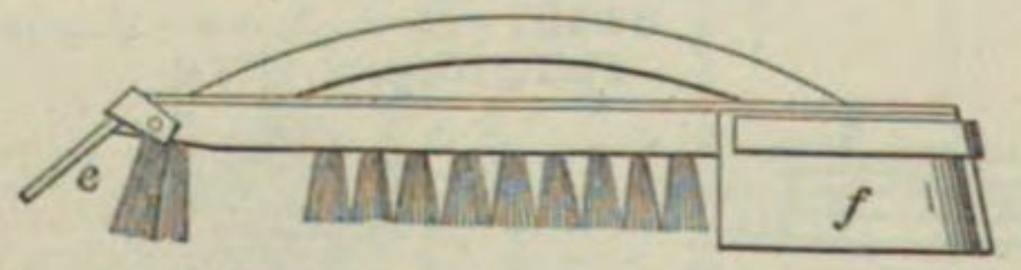




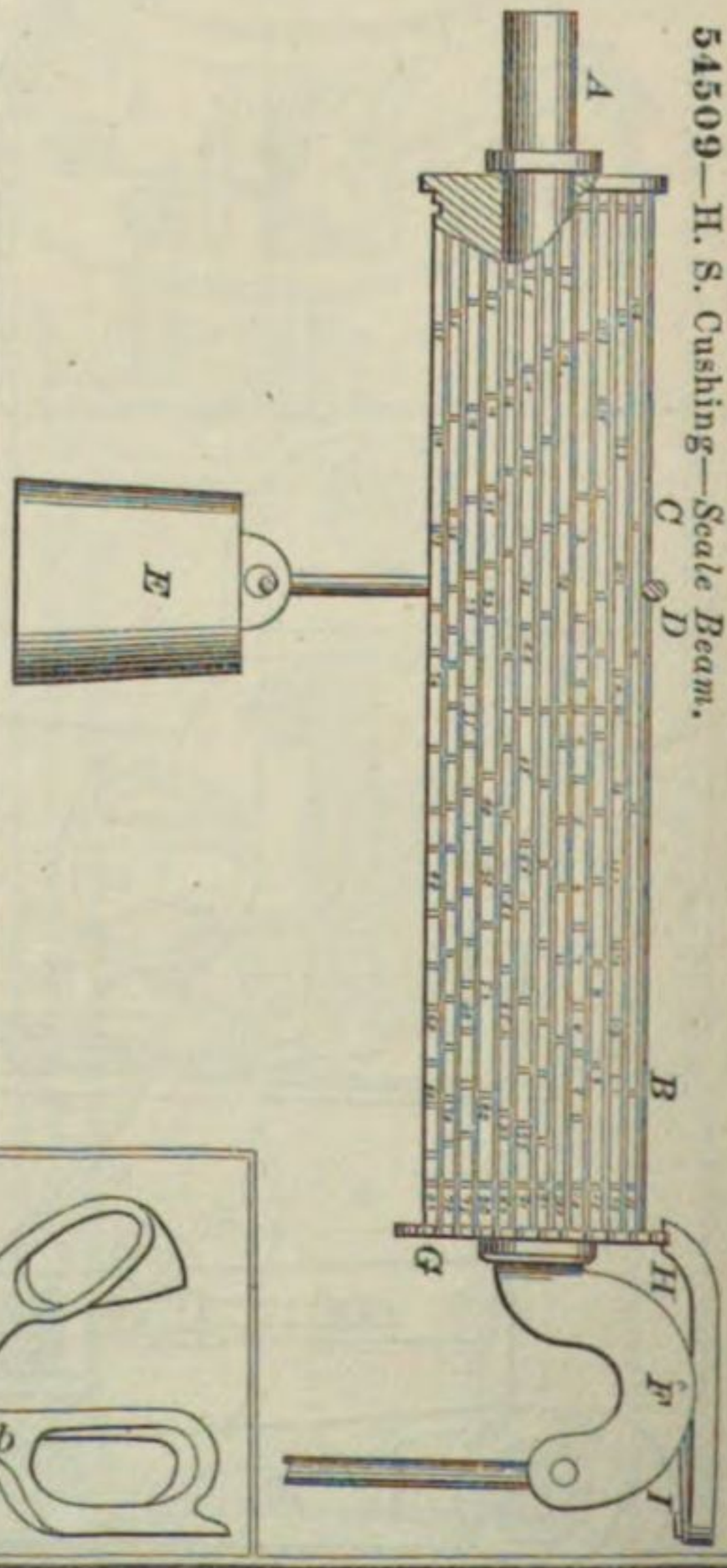
54504—C. S. Cissna—*Buckle.*



54505—W. C. Cleveland—*Scrubbing Brush.*

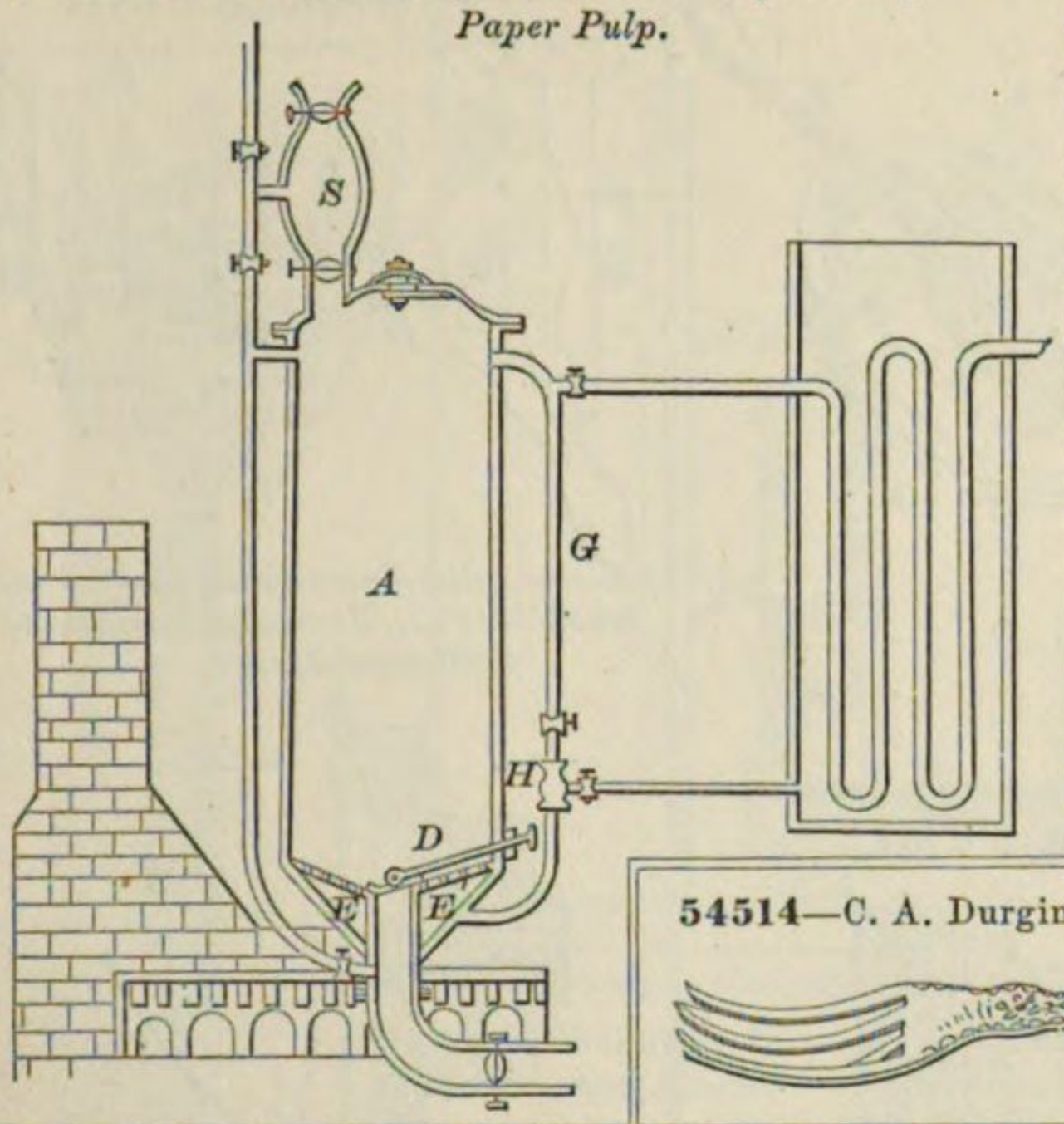


54509—H. S. Cushing—*Scale Beam.*

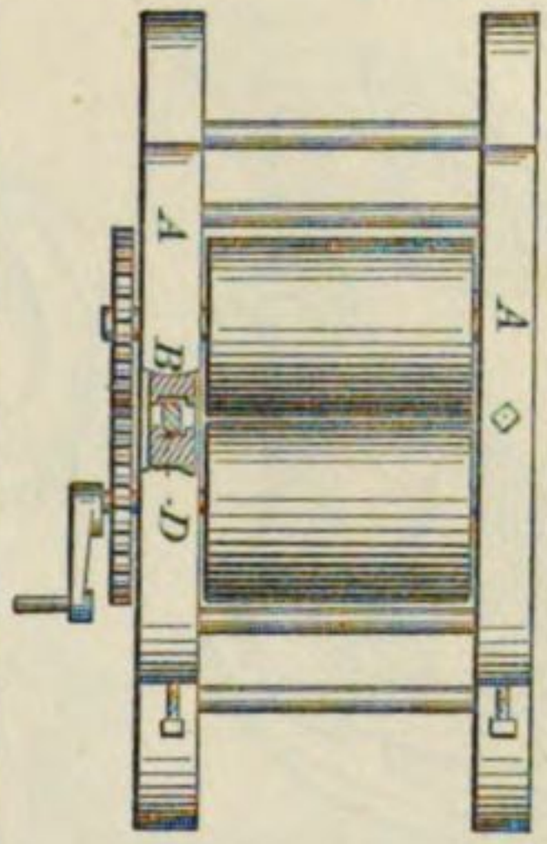


54508—P. F. Crouch—*Shears.*

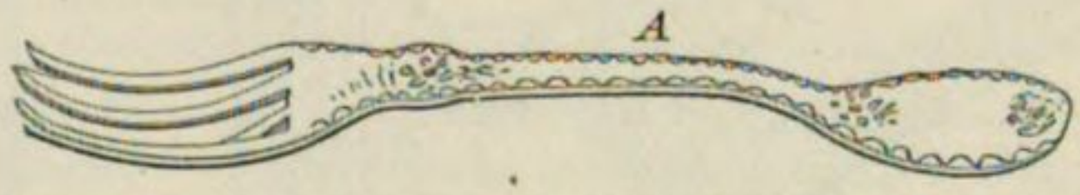
54510—Dixon & Harding—*For the Manufacture of Paper Pulp.*



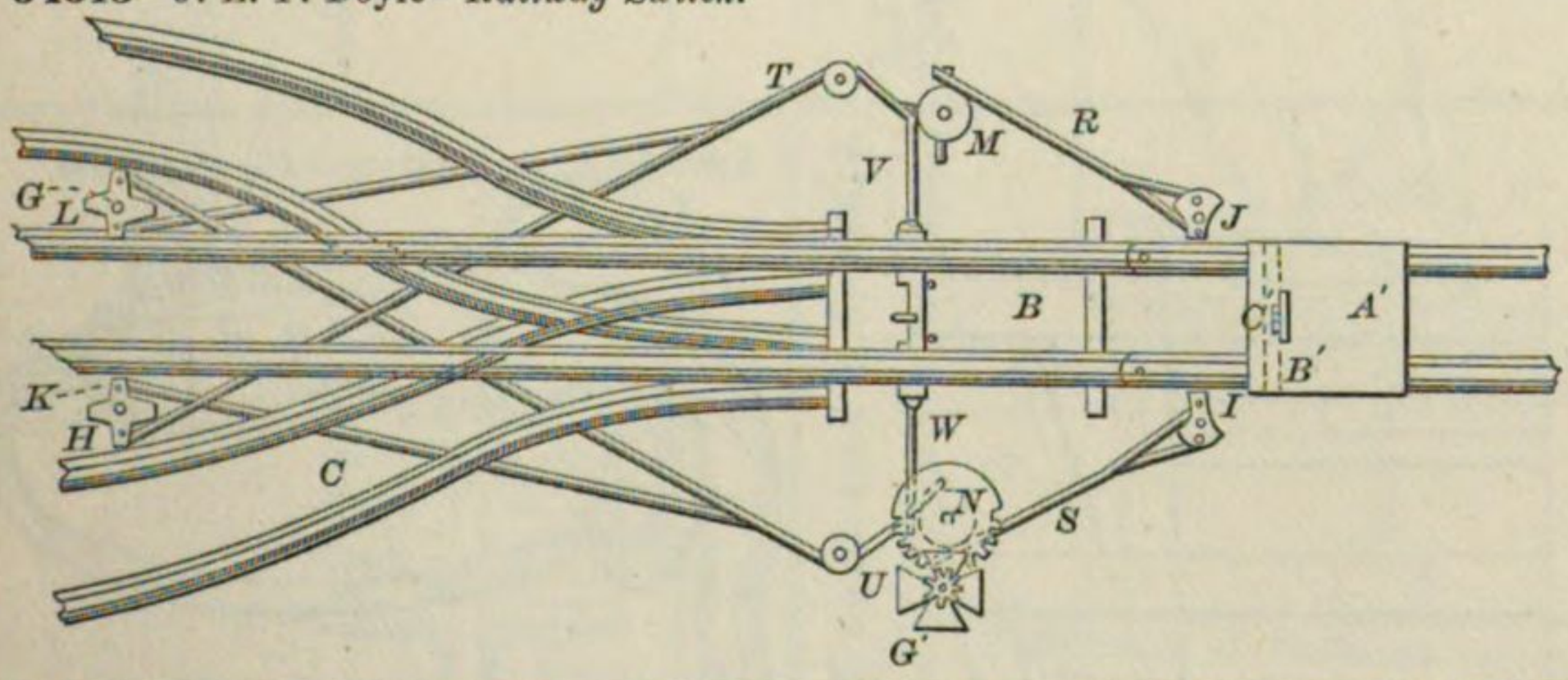
54512—M. B. Dodge—*Quartz Crusher.*



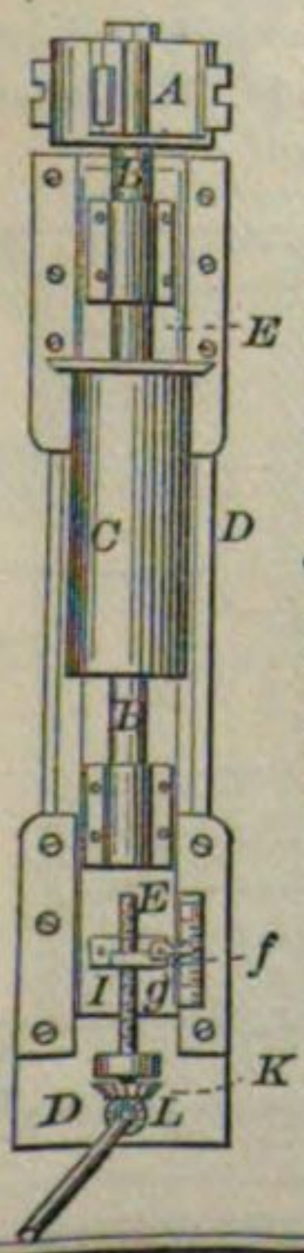
54514—C. A. Durgin—*Table Fork.*



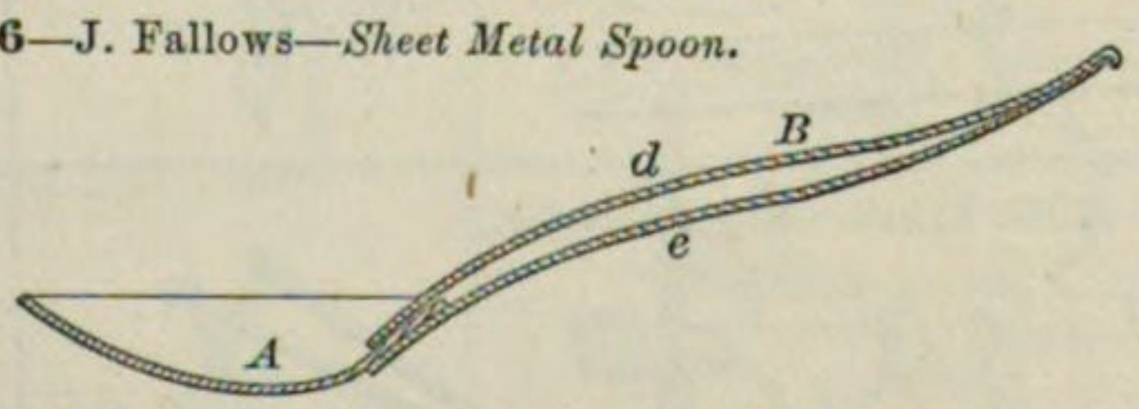
54513—J. E. P. Doyle—*Railway Switch.*



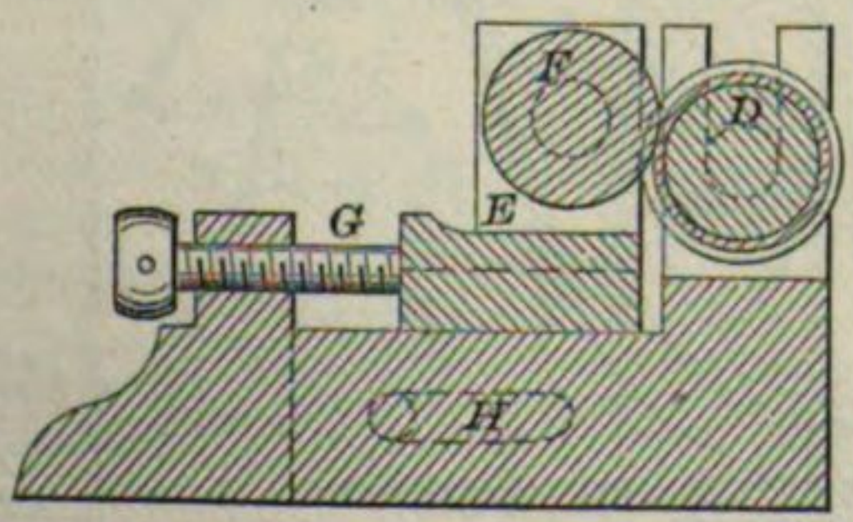
54511—J. Dixon—*Planing Machine.*



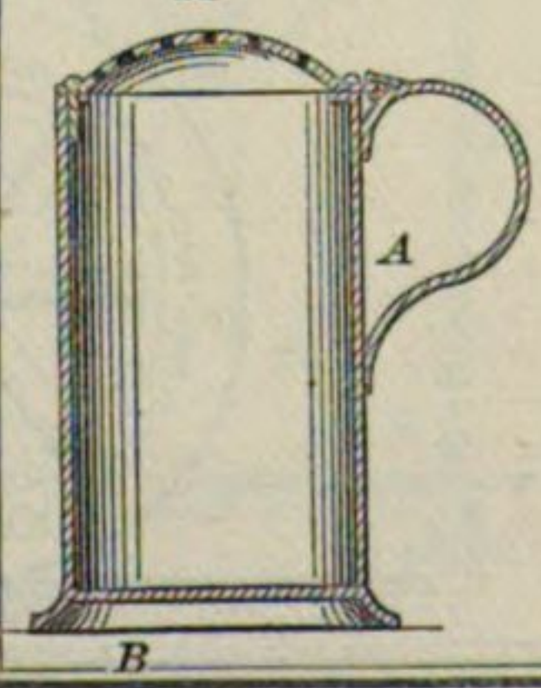
54516—J. Fallows—*Sheet Metal Spoon.*



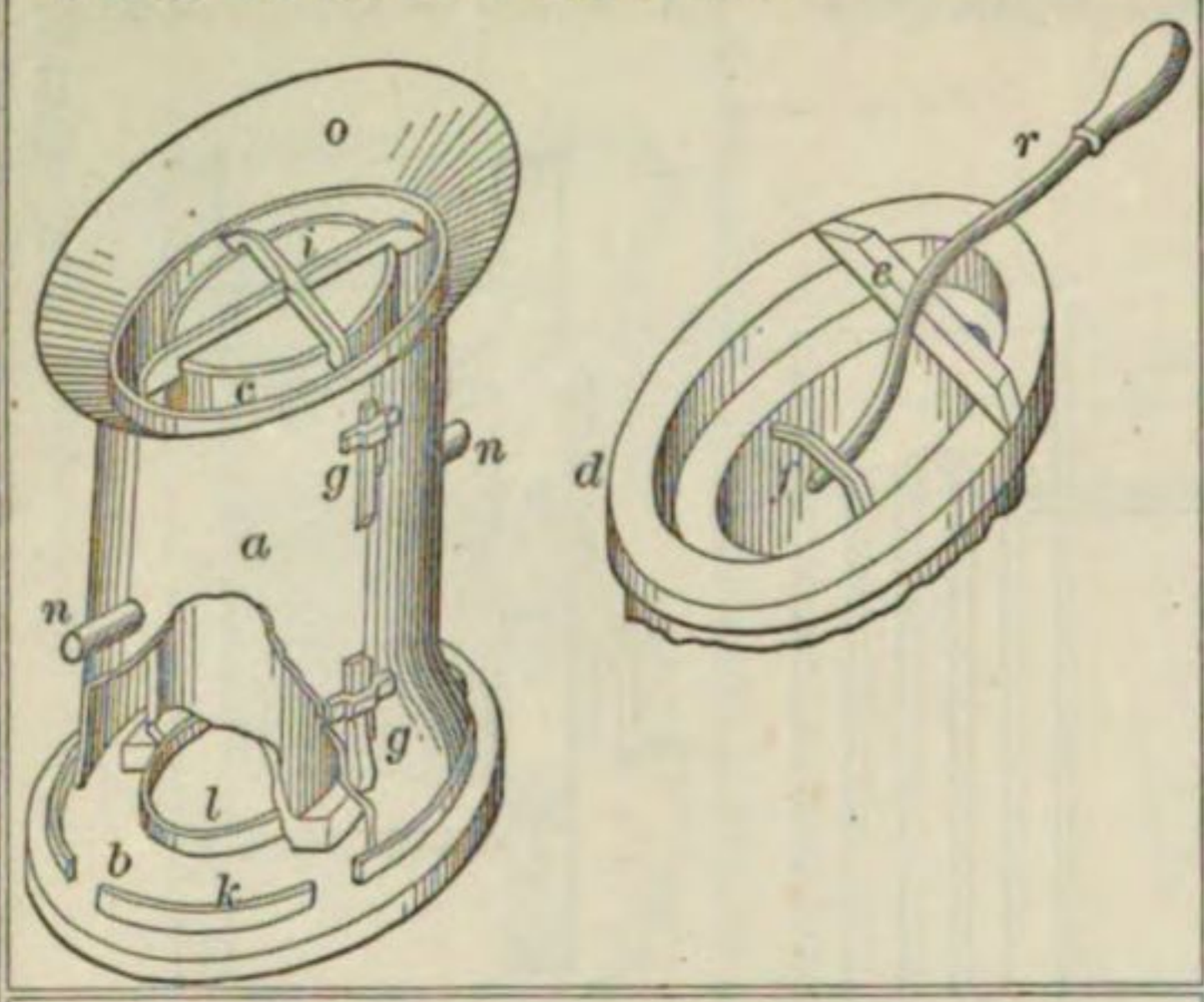
54515—E. H. Eldridge—*For Embossing Napkin Rings.*



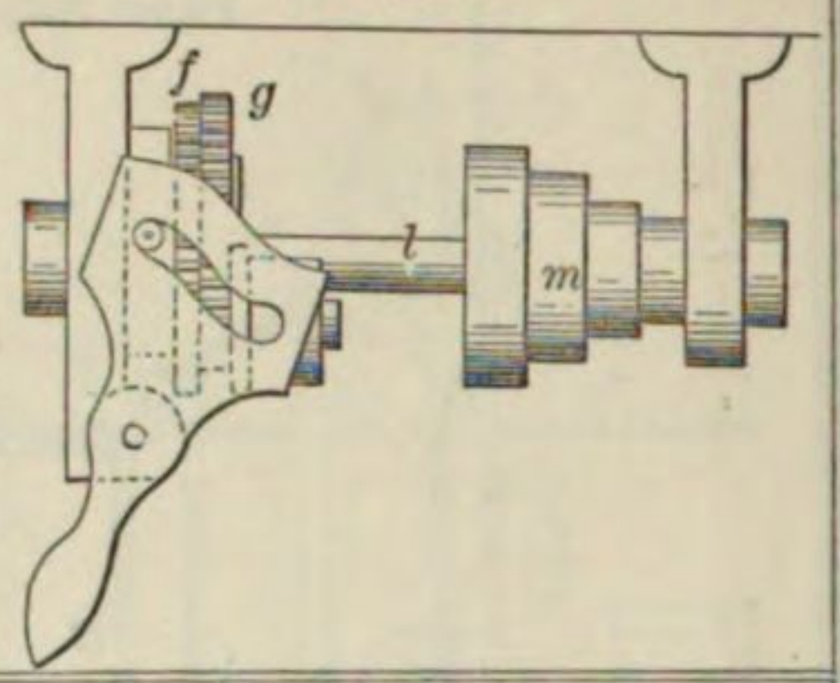
54517—J. Fallows—*Pepper Box.*



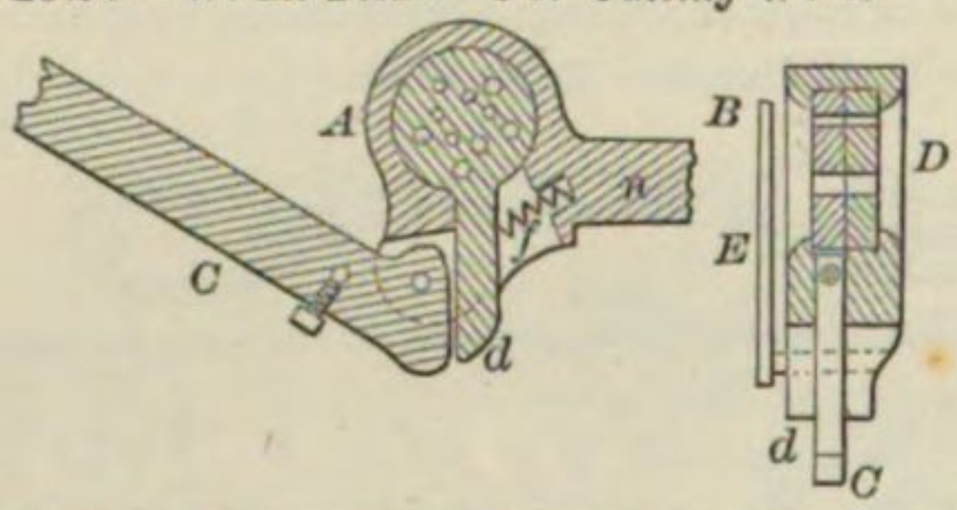
54518—J. C. Field—*Tile Mould.*



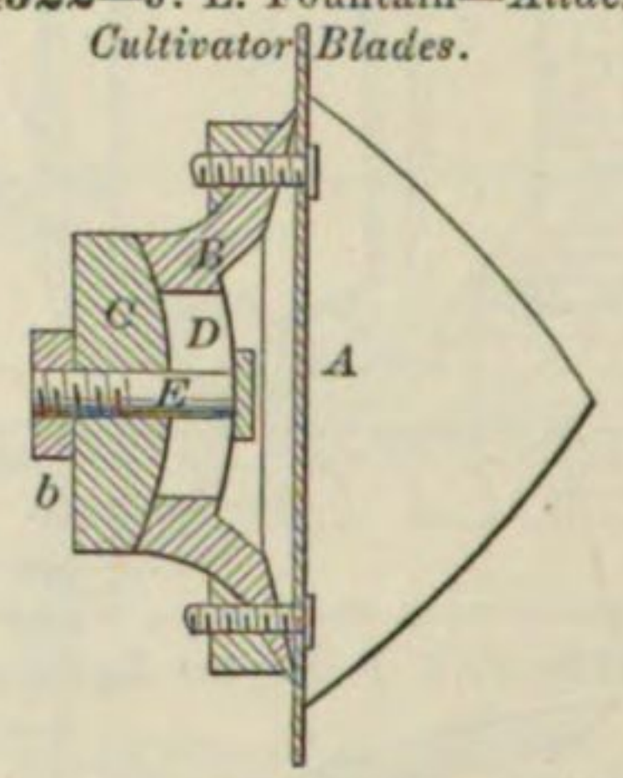
54519—W. Fitzgerald—*Gearing for Lathes, &c.*



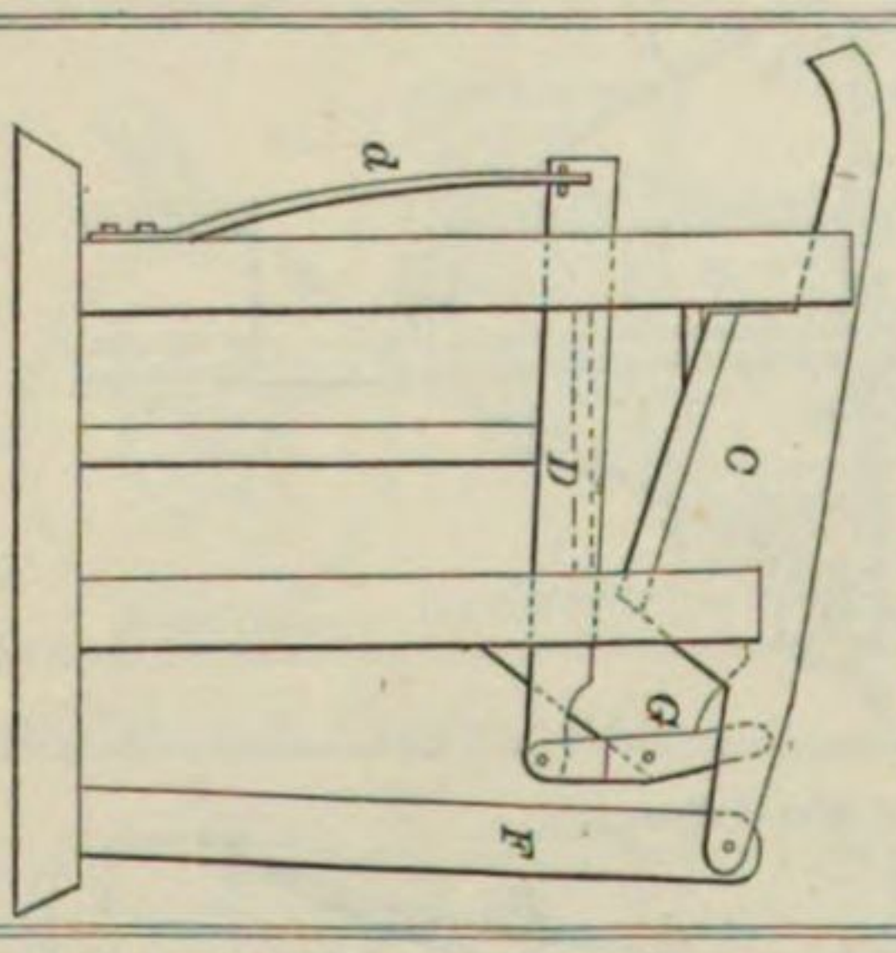
54520—W. H. Flinn—*For Cutting Wire.*



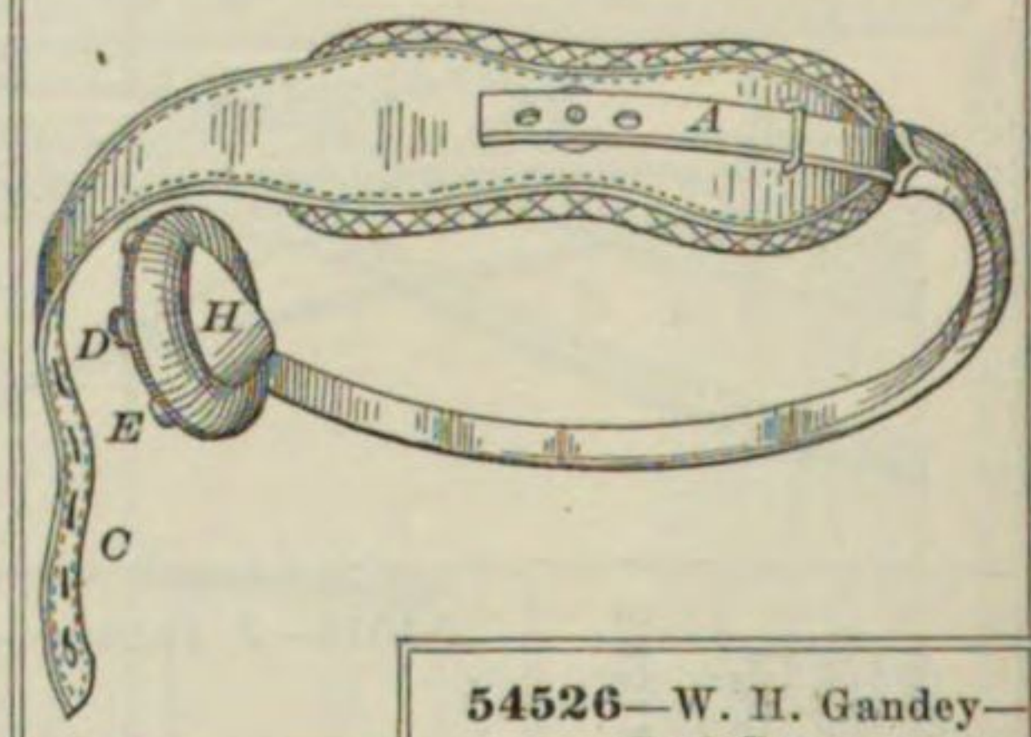
54522—J. L. Fountain—*Attaching Cultivator Blades.*



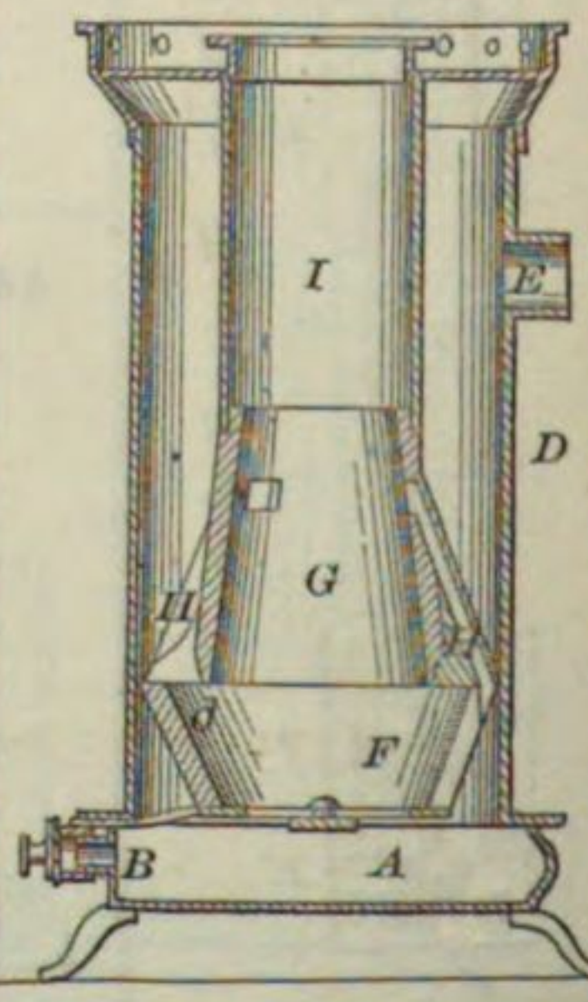
54525—C. T. Frost—*Straw Cutter.*



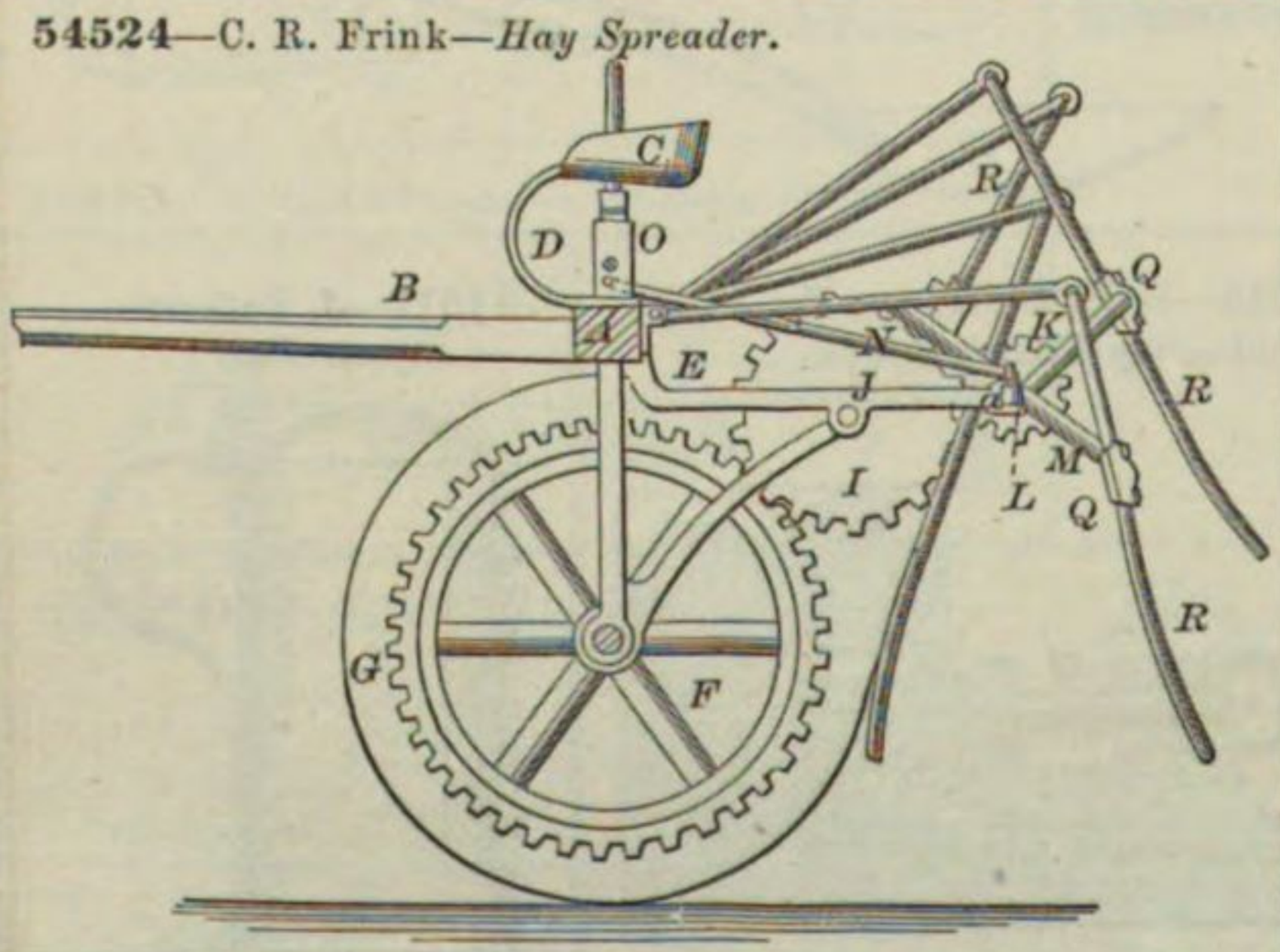
54521—A. O. Forsberg—*Hernial Truss.*



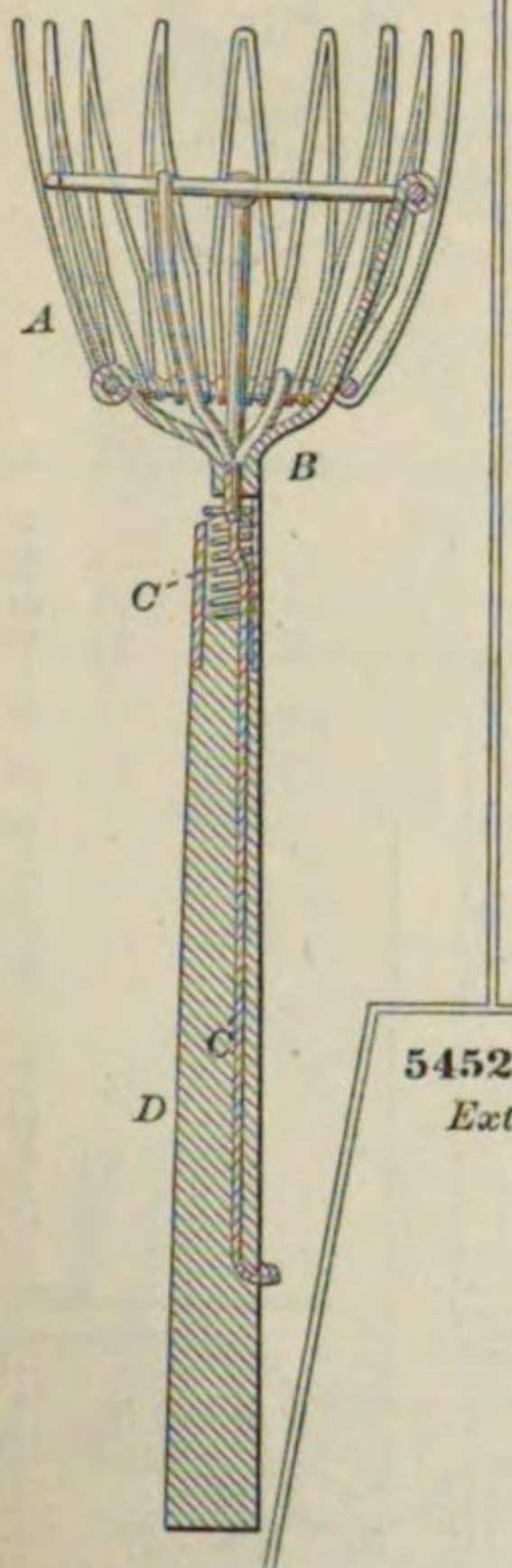
54526—W. H. Gandey—*Coal Stove.*



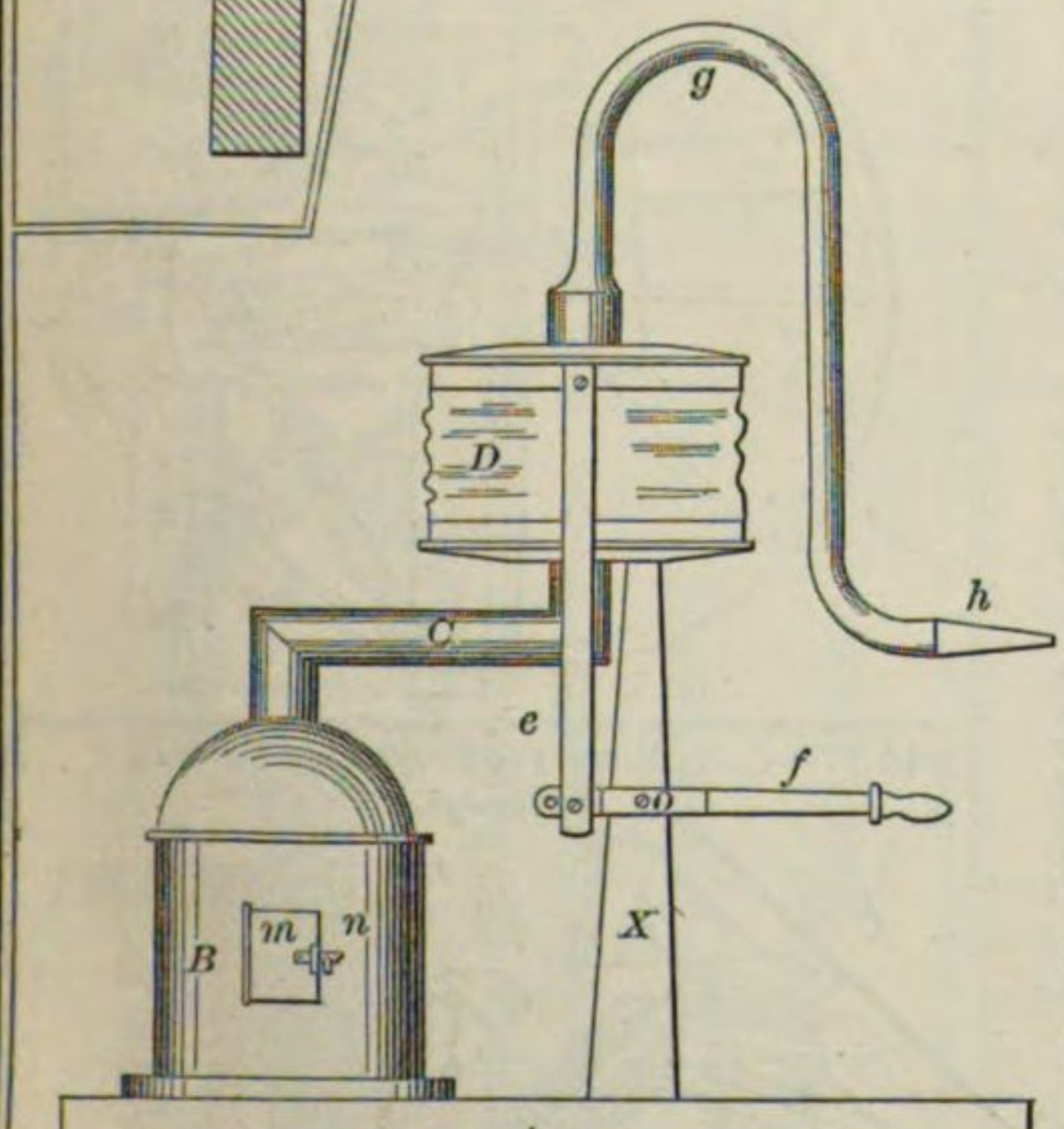
54524—C. R. Frink—*Hay Spreader.*



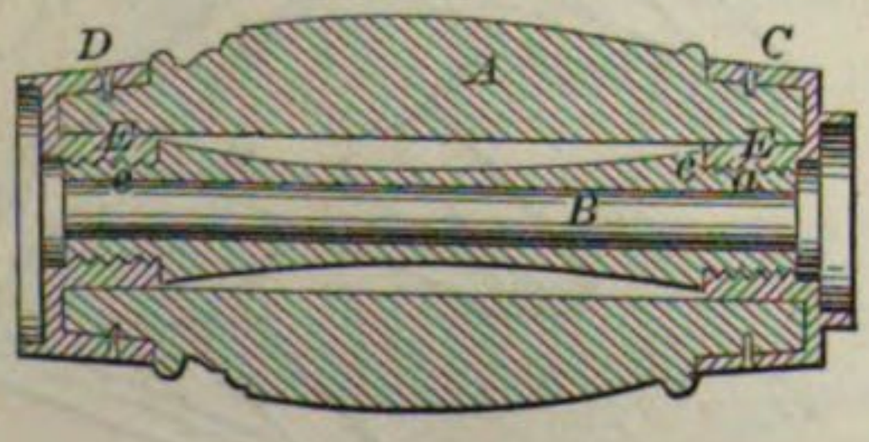
54527—E. Gilliam—*Fruit Gatherer.*



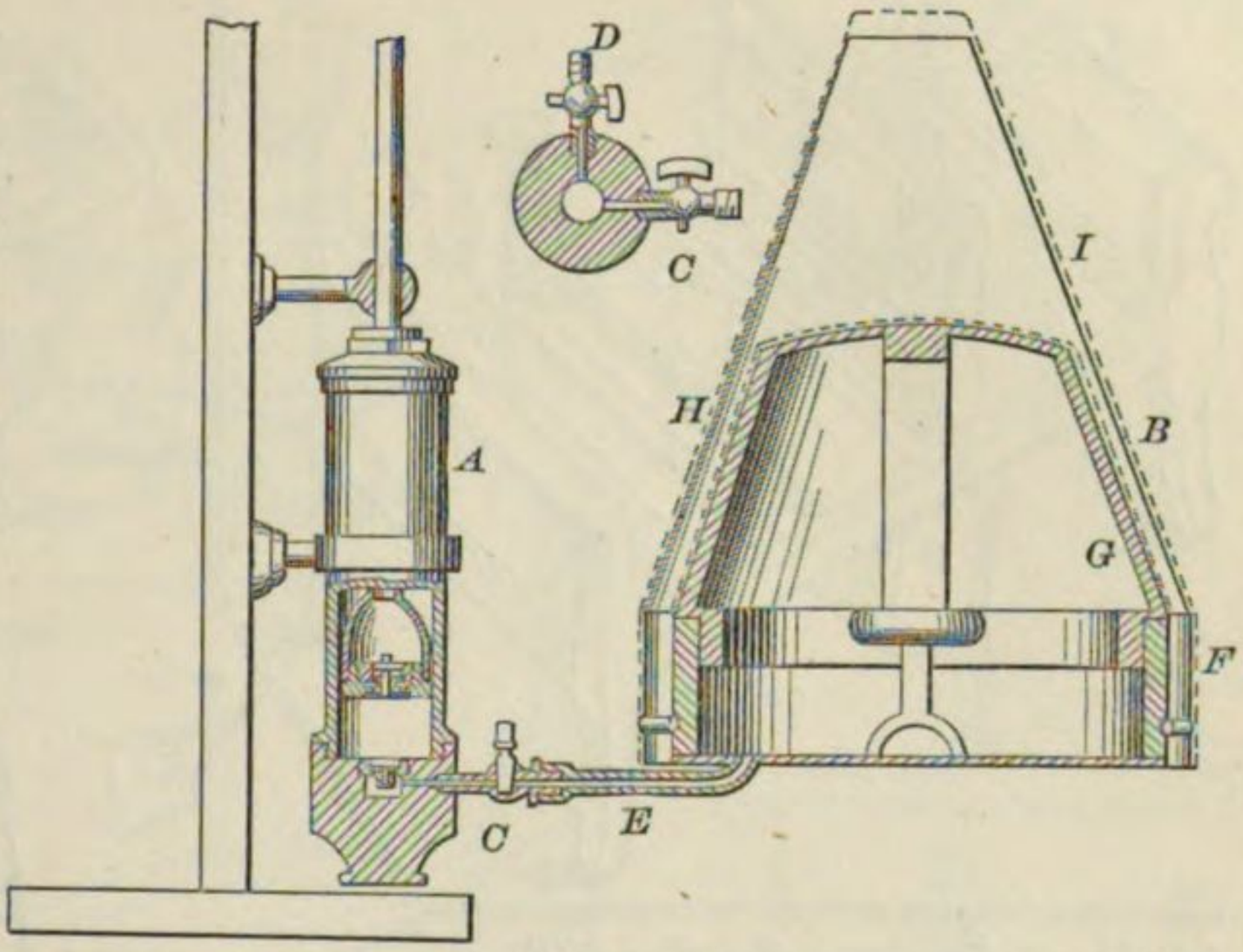
54528—E. Gilliam—*For Exterminating Insects.*



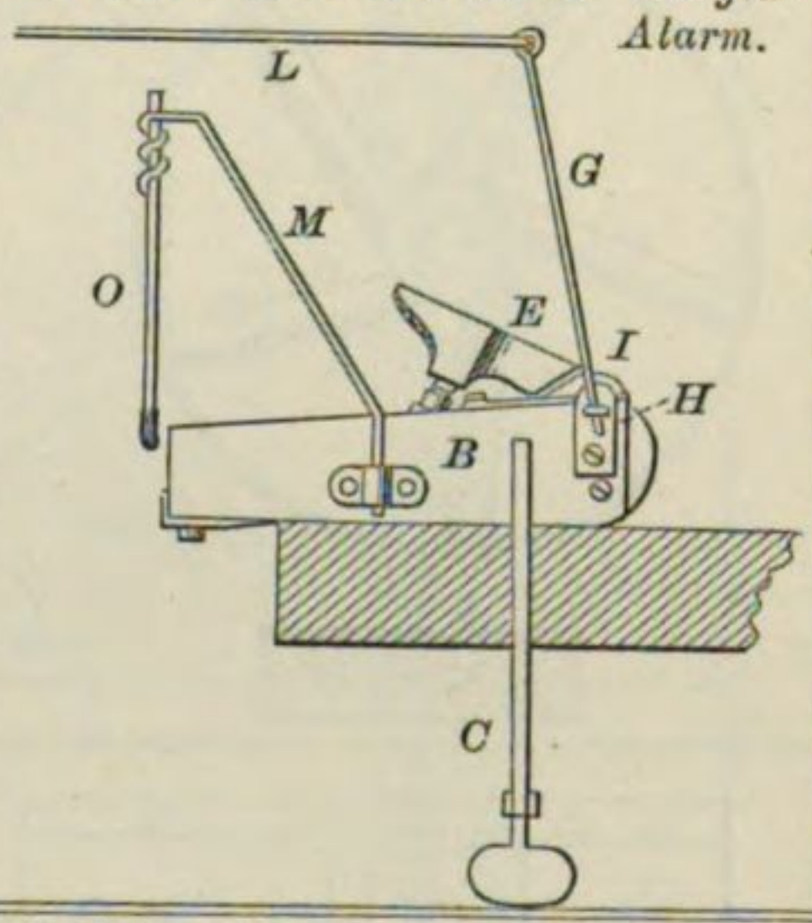
54529—W. Greenleaf—*Securing Boxes in Hubs.*



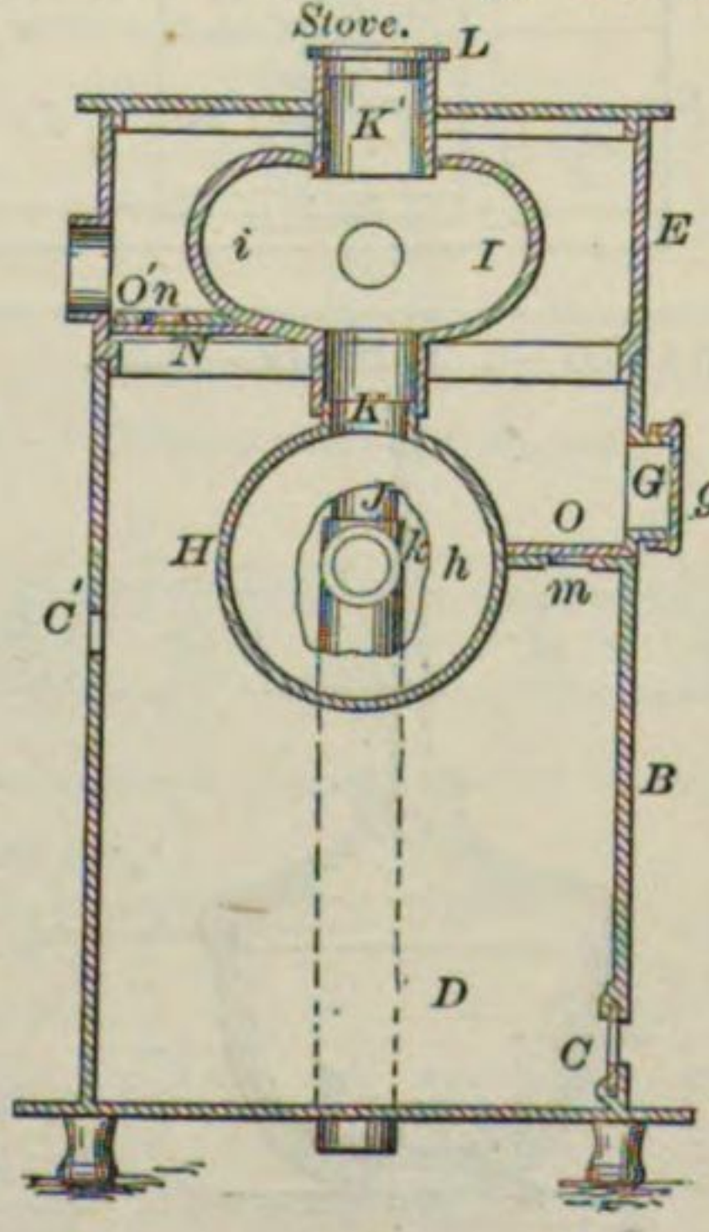
54530—G. Hadfield, M. D.—*Treating Diseases by Vacuum.*



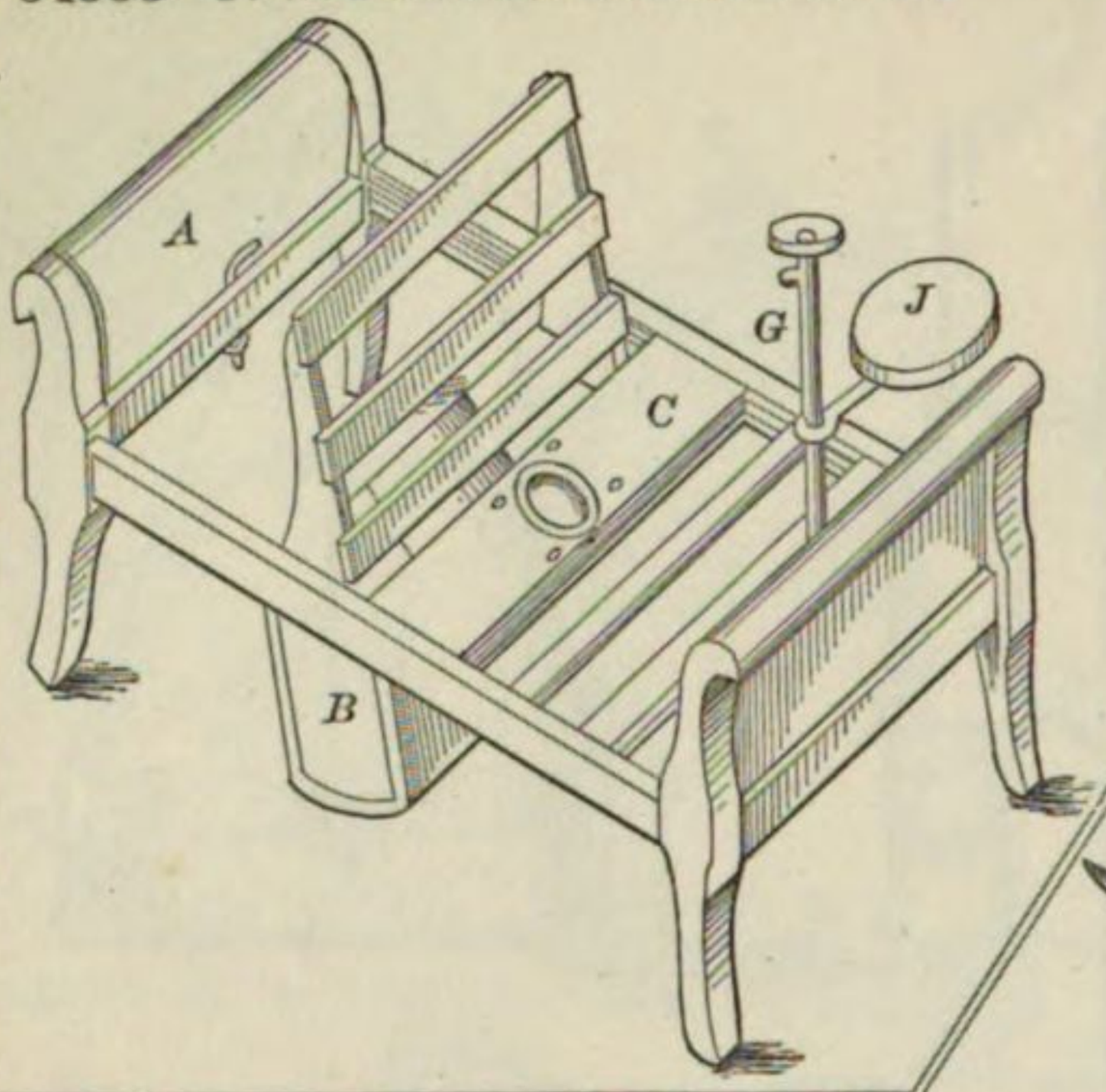
54531—A. F. Hammond—*Burglar Alarm.*



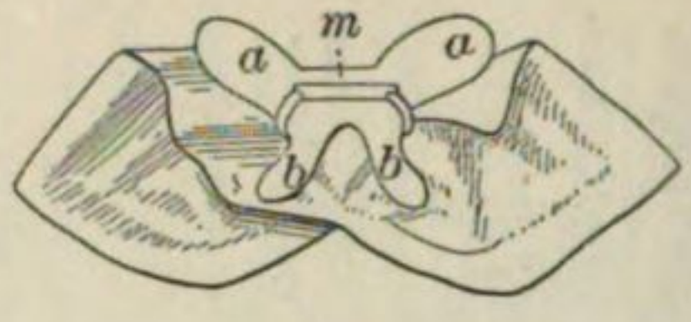
54532—W. H. Harbaugh—*Heating Stove.*



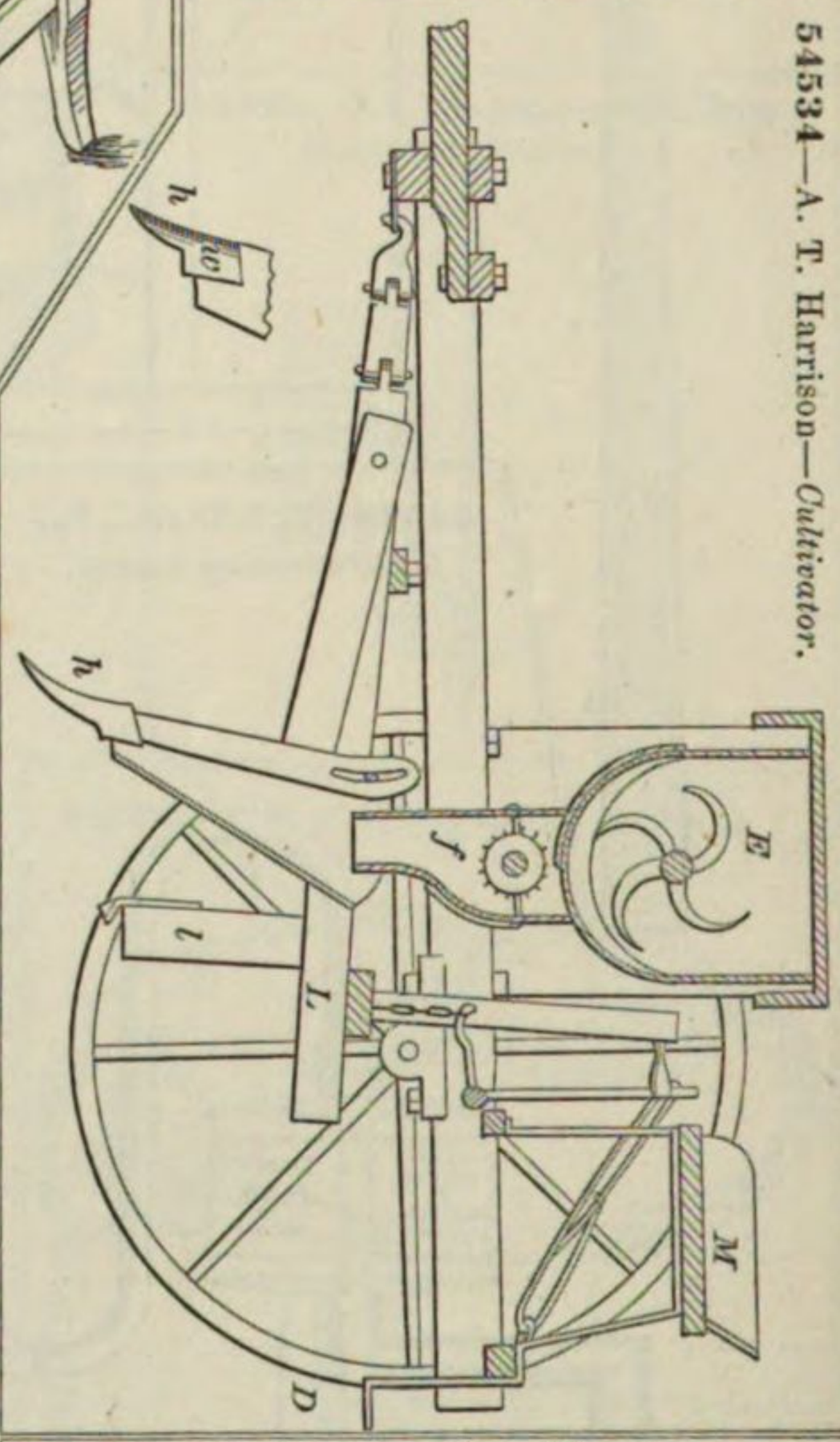
54533—P. W. Hardwick—*Invalid Bedstead*



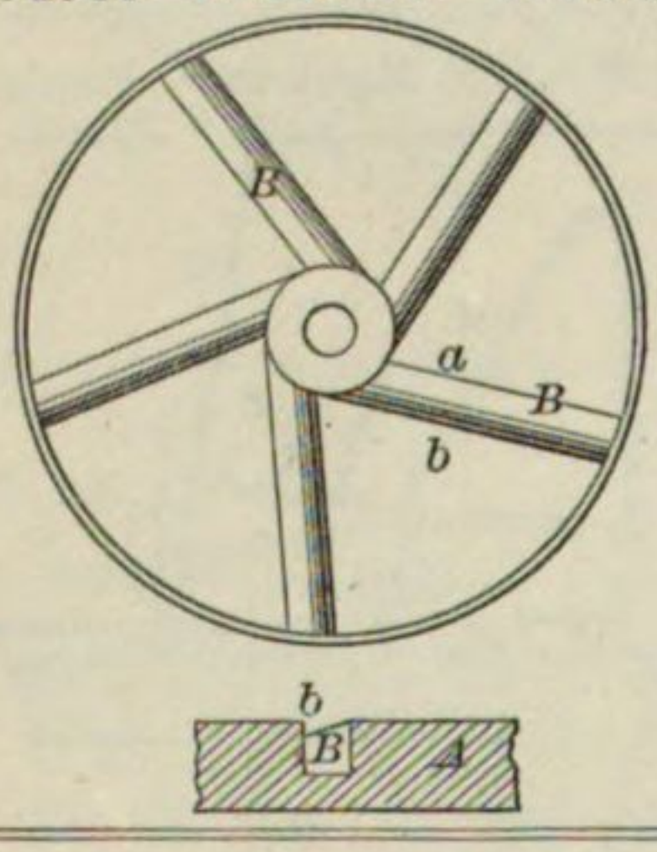
54536—W. H. Hart, Jr.—*Neck Tie.*



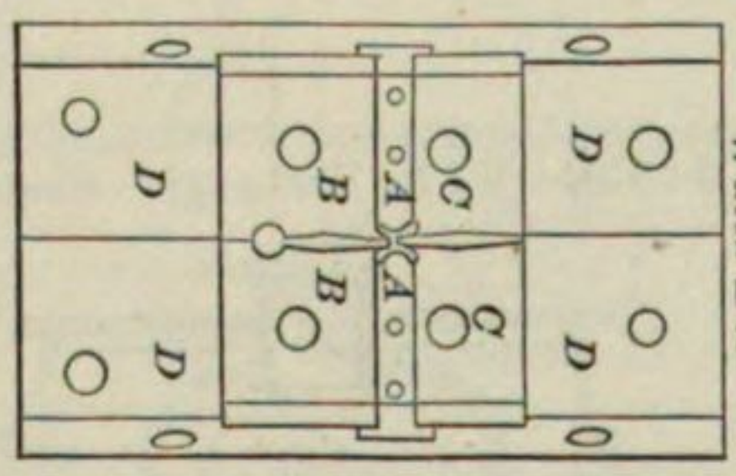
54534—A. T. Harrison—*Cultivator.*



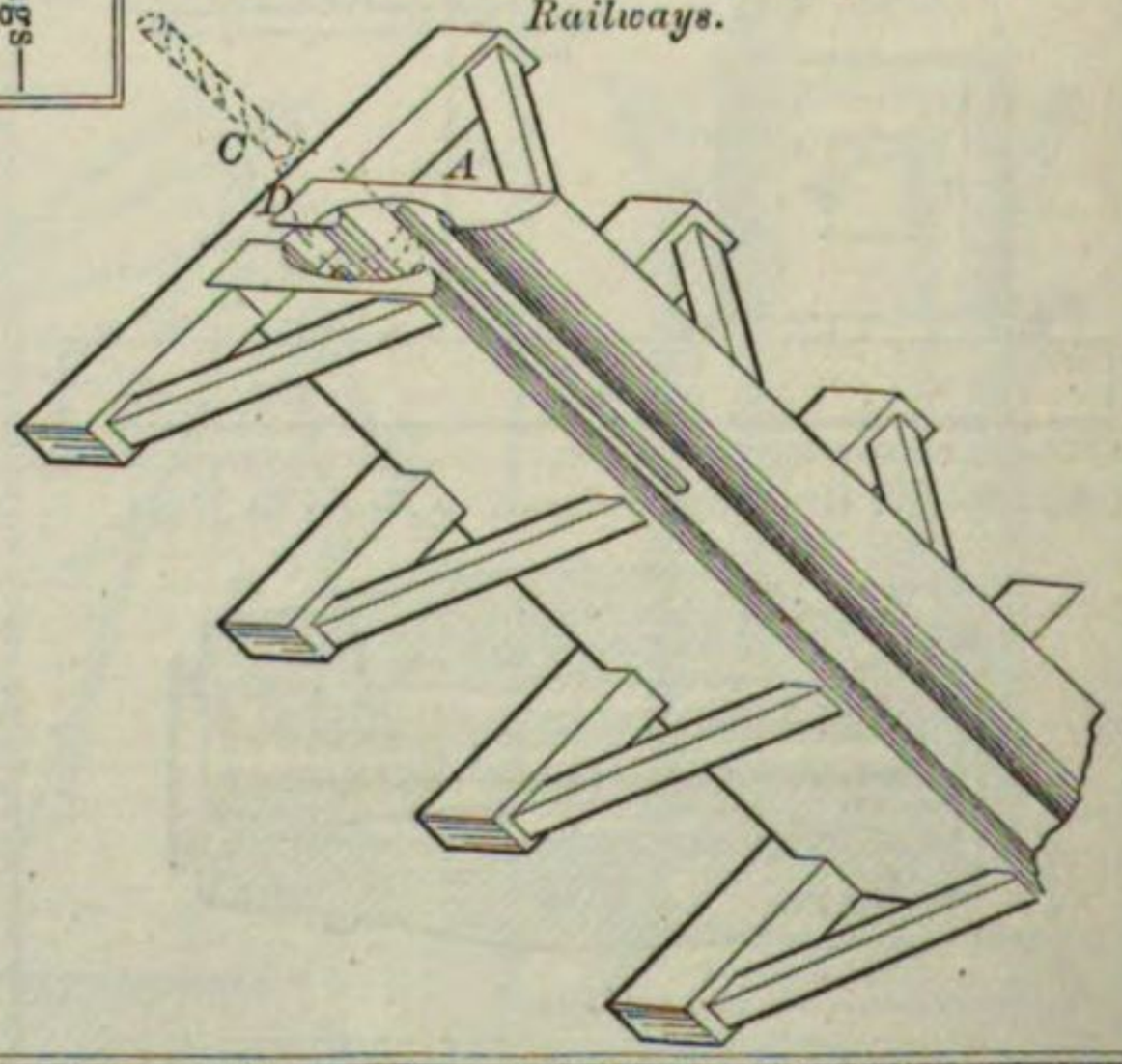
54535—E. Harrison—*Grinding Mill.*



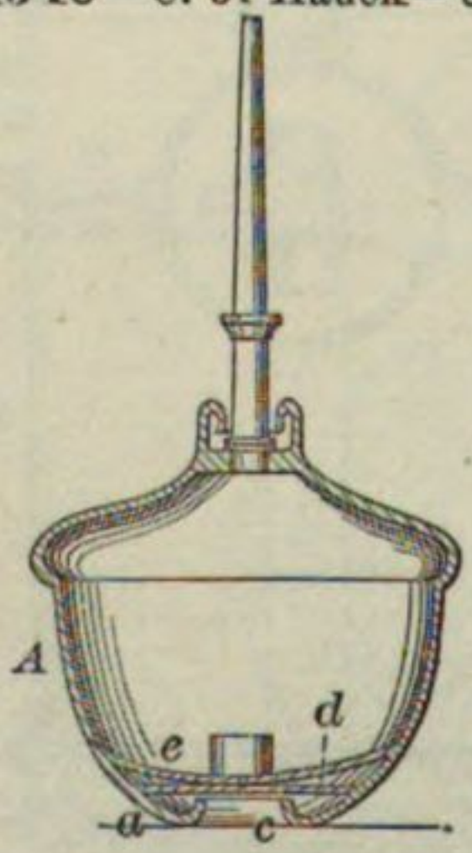
54539—G. Hastings—*Watch Die.*



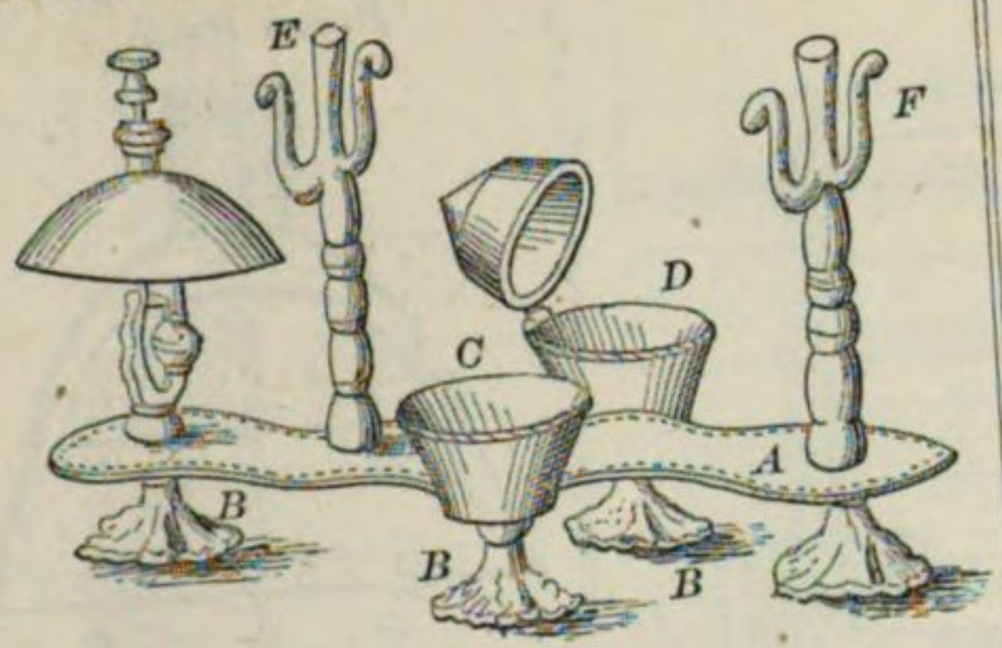
54537—C. T. Harvey—*Propelling Cars on Railways.*



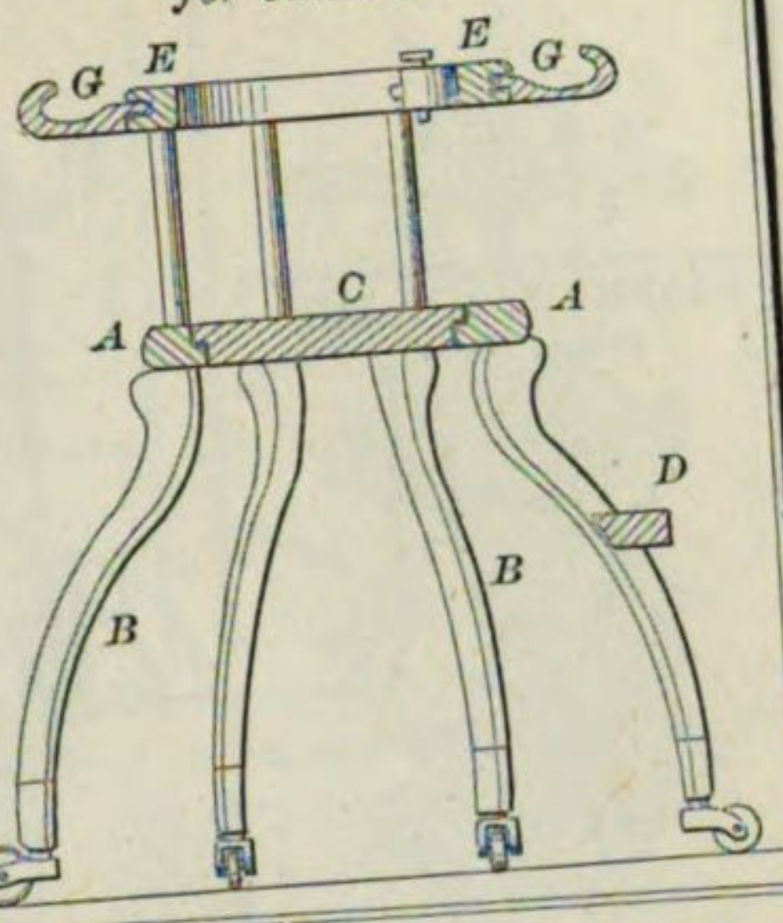
54540—C. J. Hauck—*Oiler.*



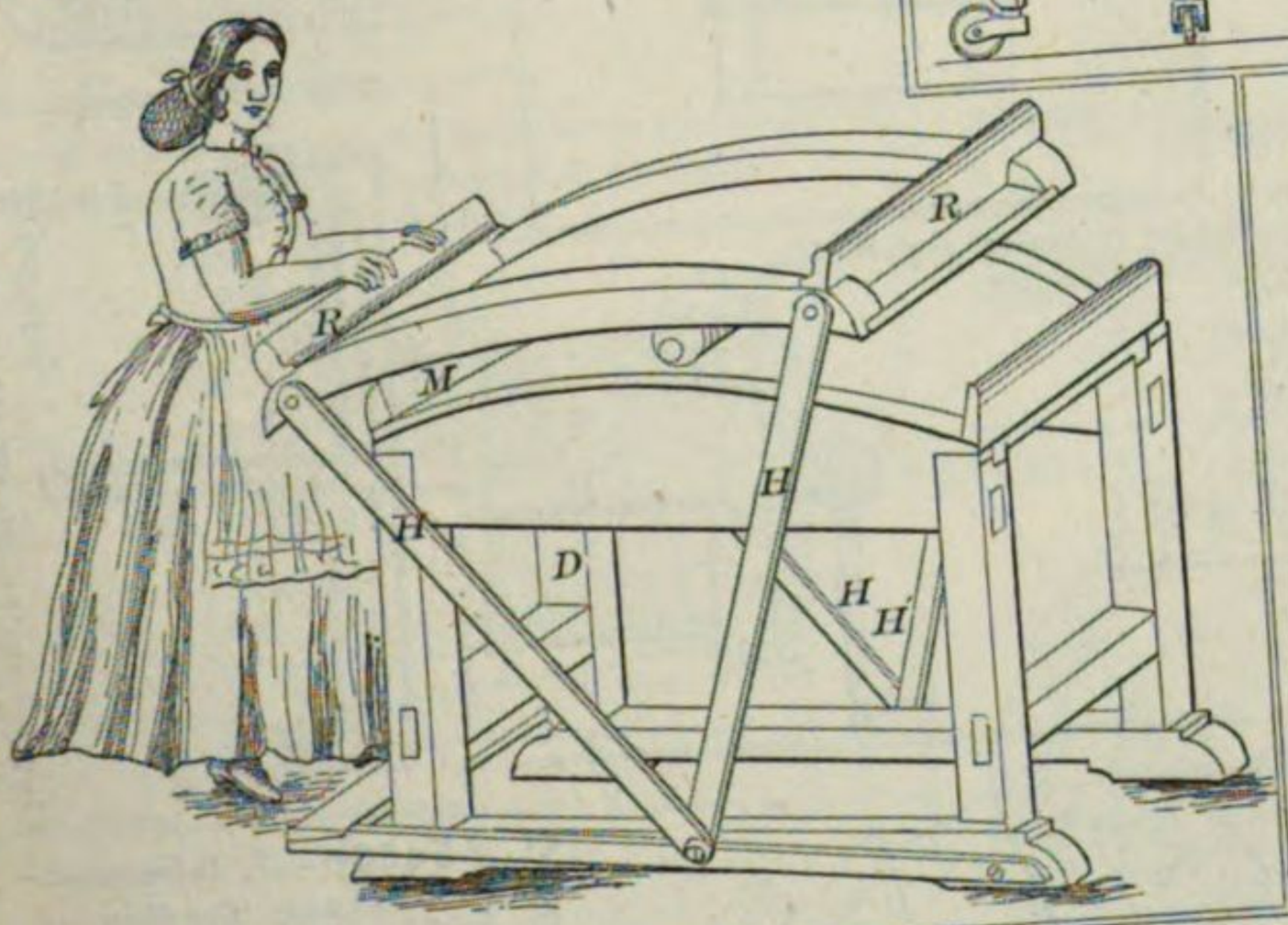
54541—J. B. Hawley—*Knife and Fork Rack.*



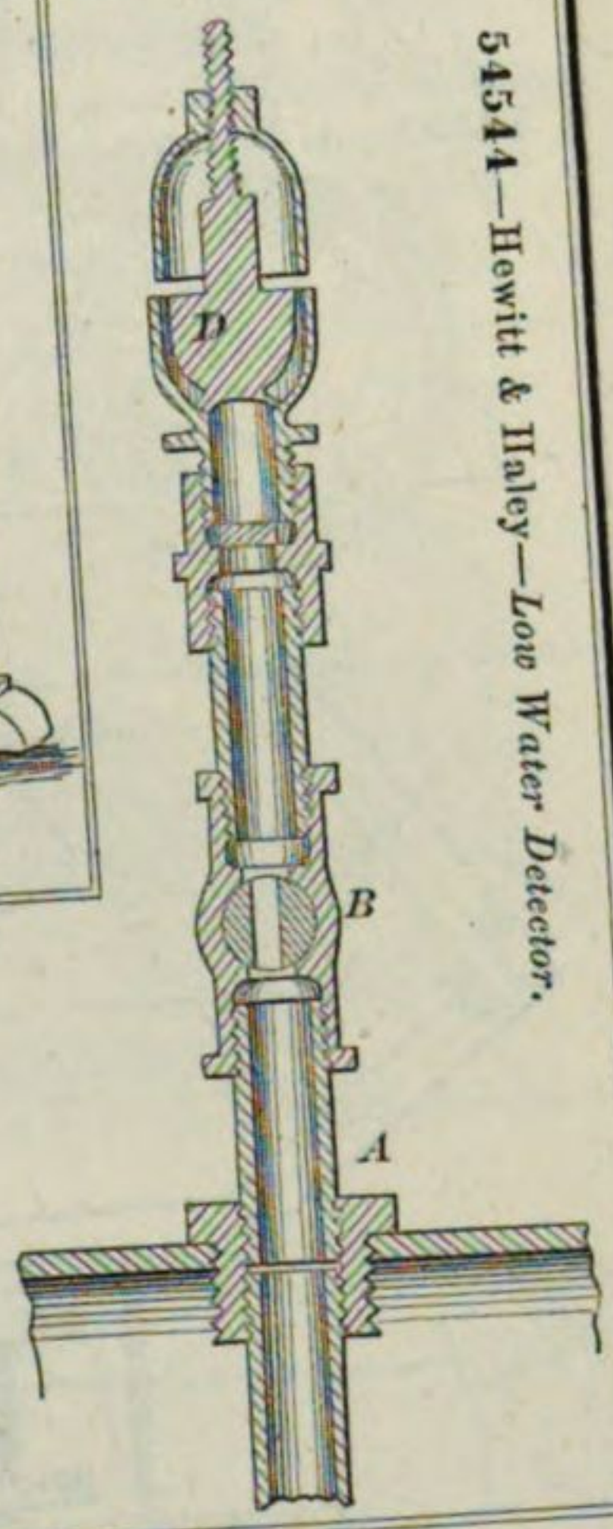
54546—C. Holtz—*Chair and Walker for Children.*



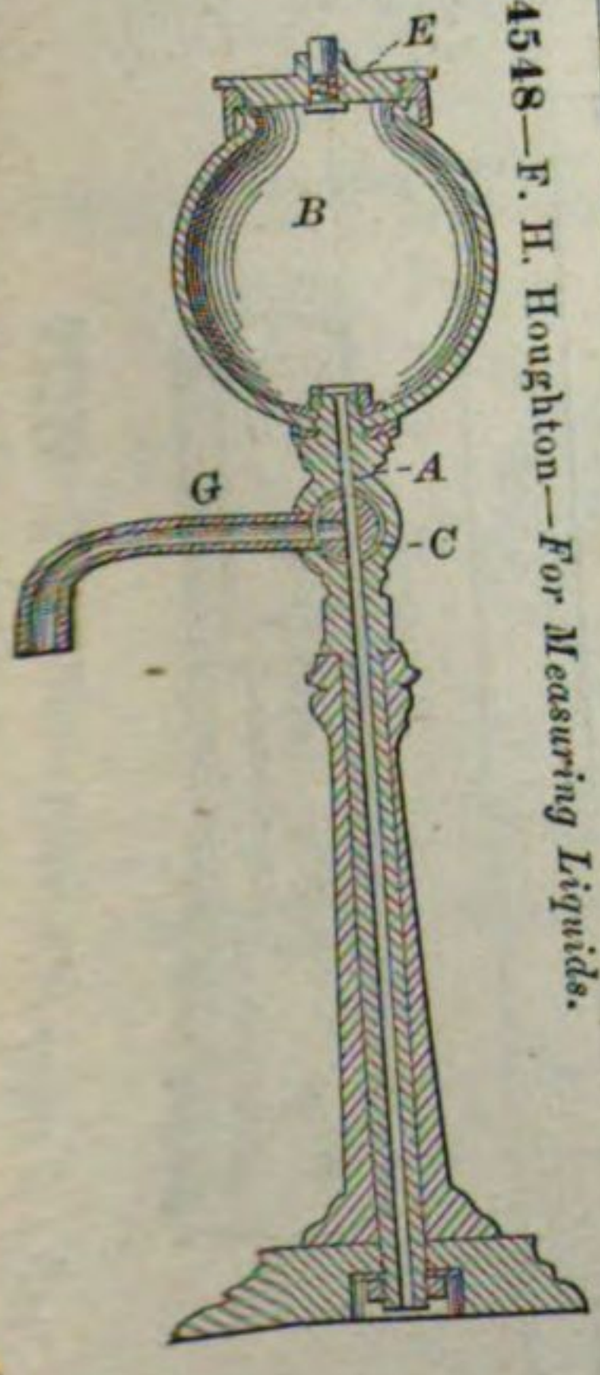
54543—A. Herman—*Mangle.*



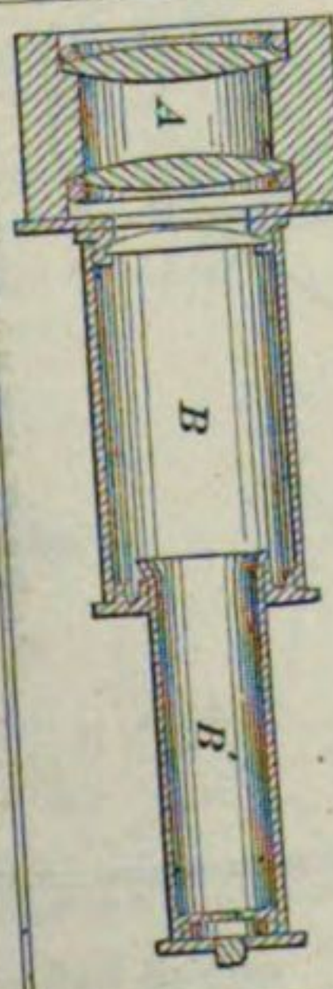
54544—Hewitt & Haley—*Low Water Detector.*



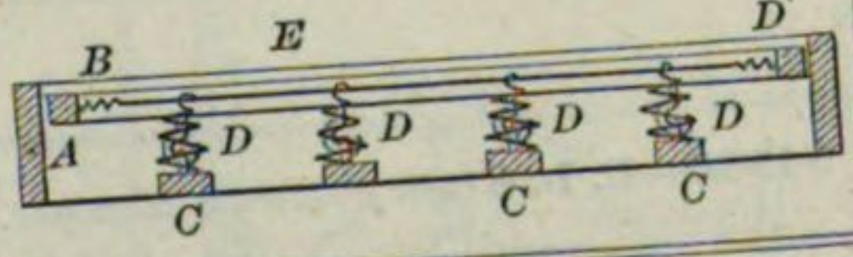
54548—F. H. Houghton—*For Measuring Liquids.*



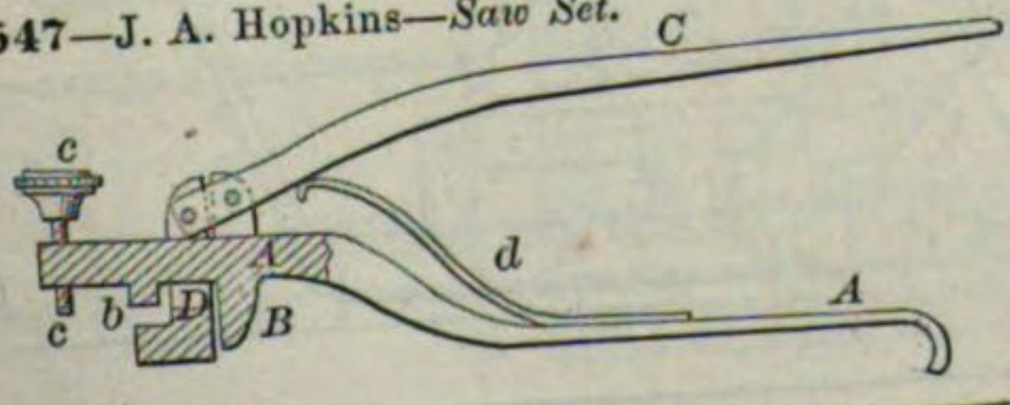
54542—L. Heath—*Optical Instrument.*



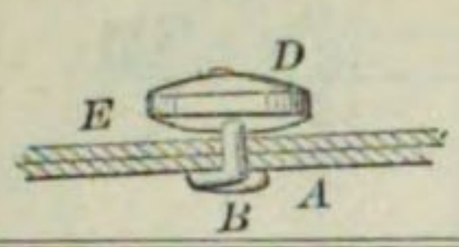
54545—A. Hitchcock—*Bed Bottom.*



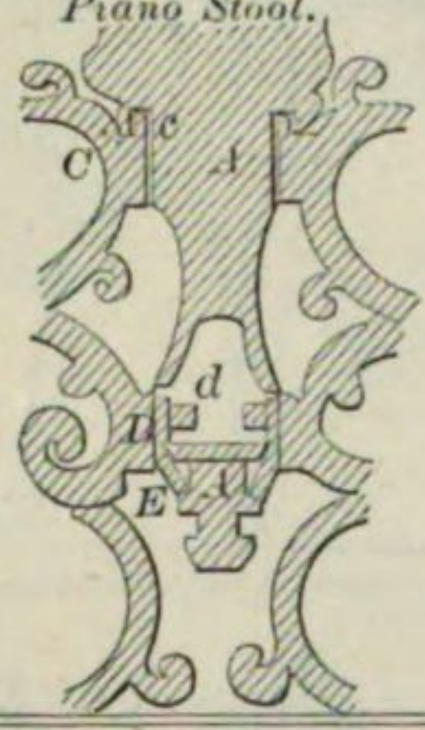
54547—J. A. Hopkins—*Saw Set.*



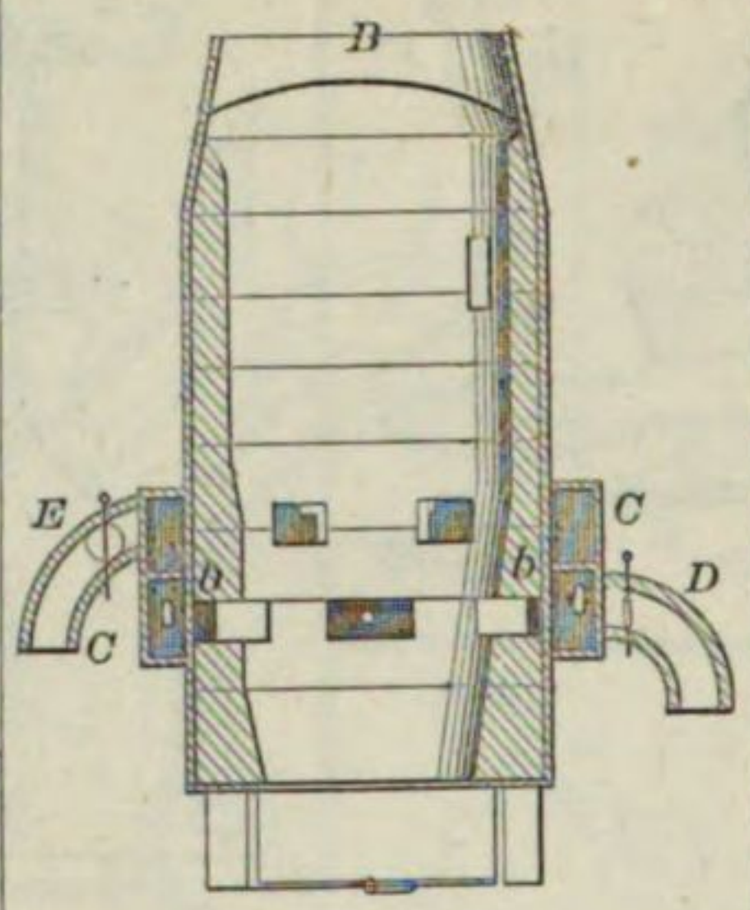
54549—D. Howarth—*Button.*



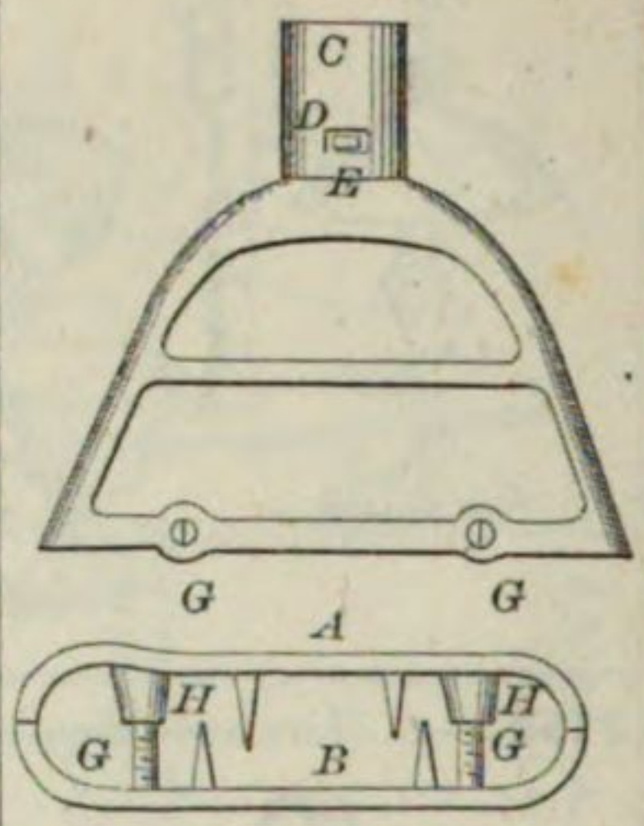
54551—W. A. Ingalls—*Piano Stool.*



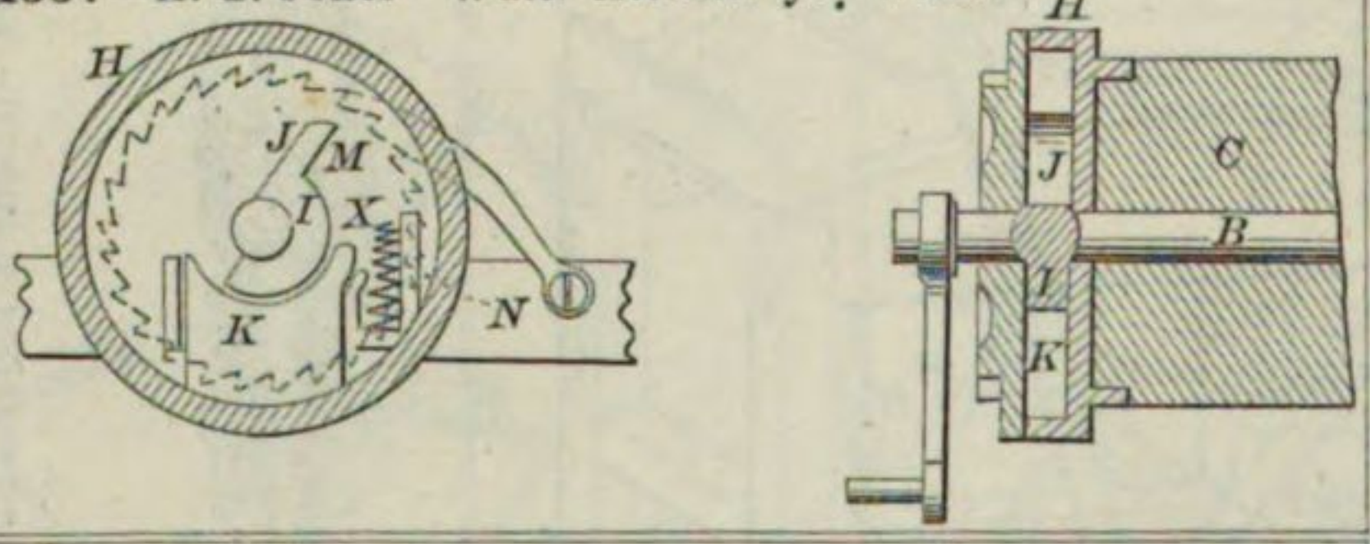
54552—J. & T. Insull—*Cupola Furnace.*



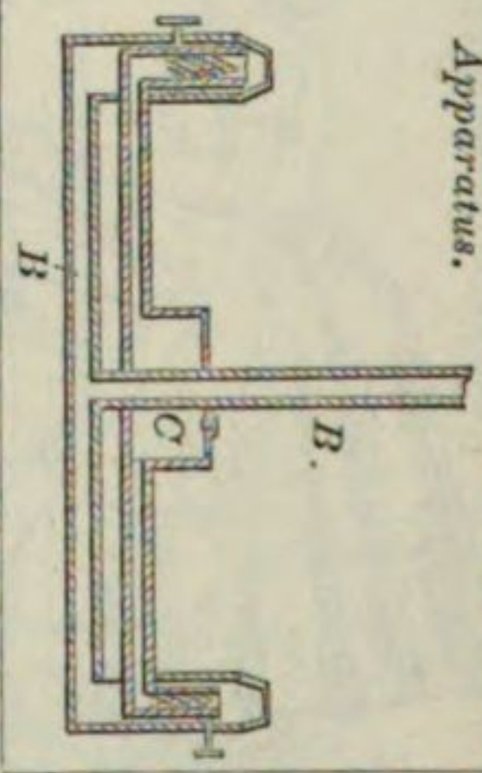
54559—M. C. Kilgore—*Broom Head.*



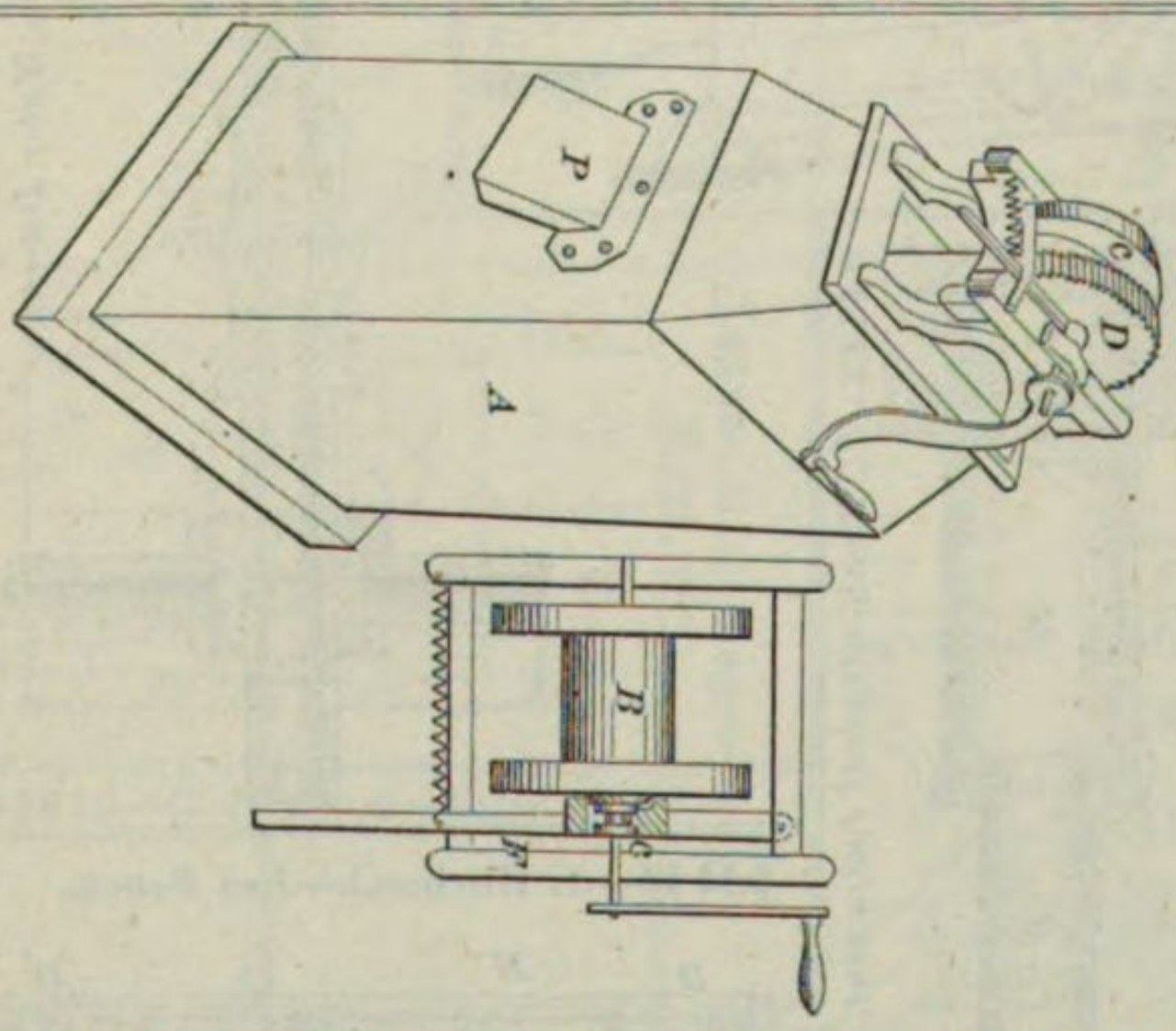
54557—A. T. Jones—*Water Elevator for Wells.*



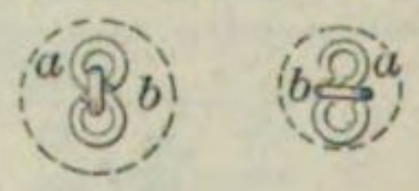
54553—J. H. Erwin—*Illuminating Apparatus.*



54558—F. H. Jones—*Water Drawer.*

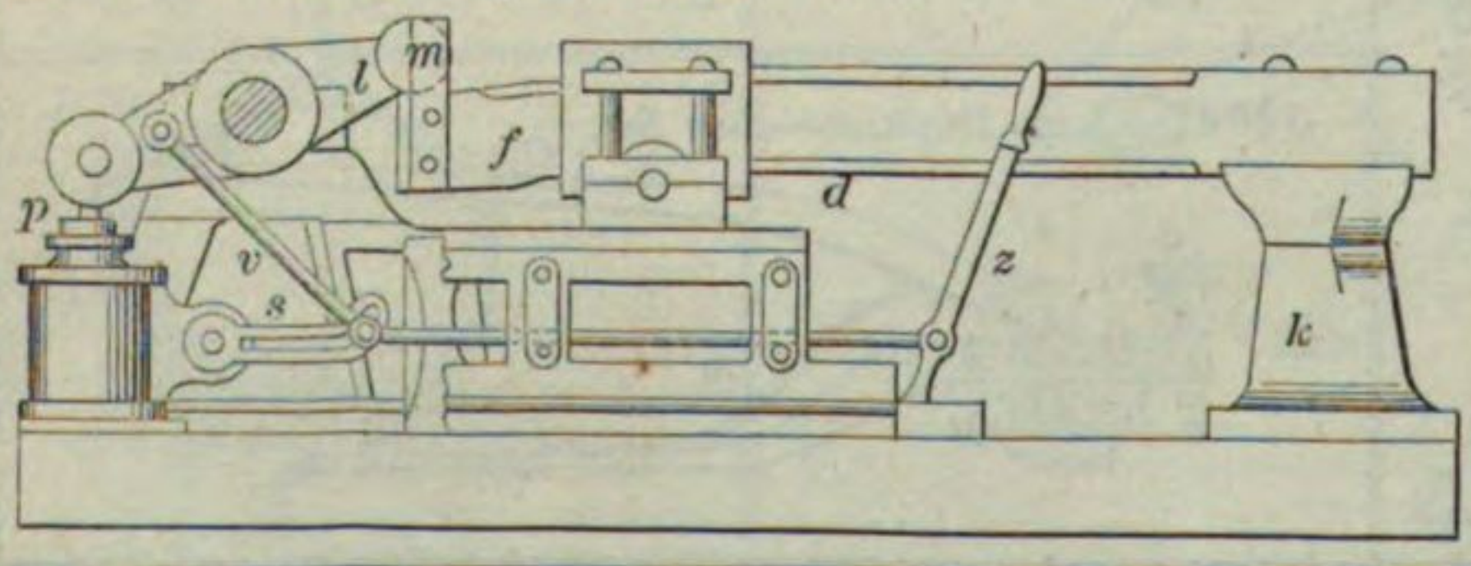


54556—J. Johnson—*Fastening for Buttons.*

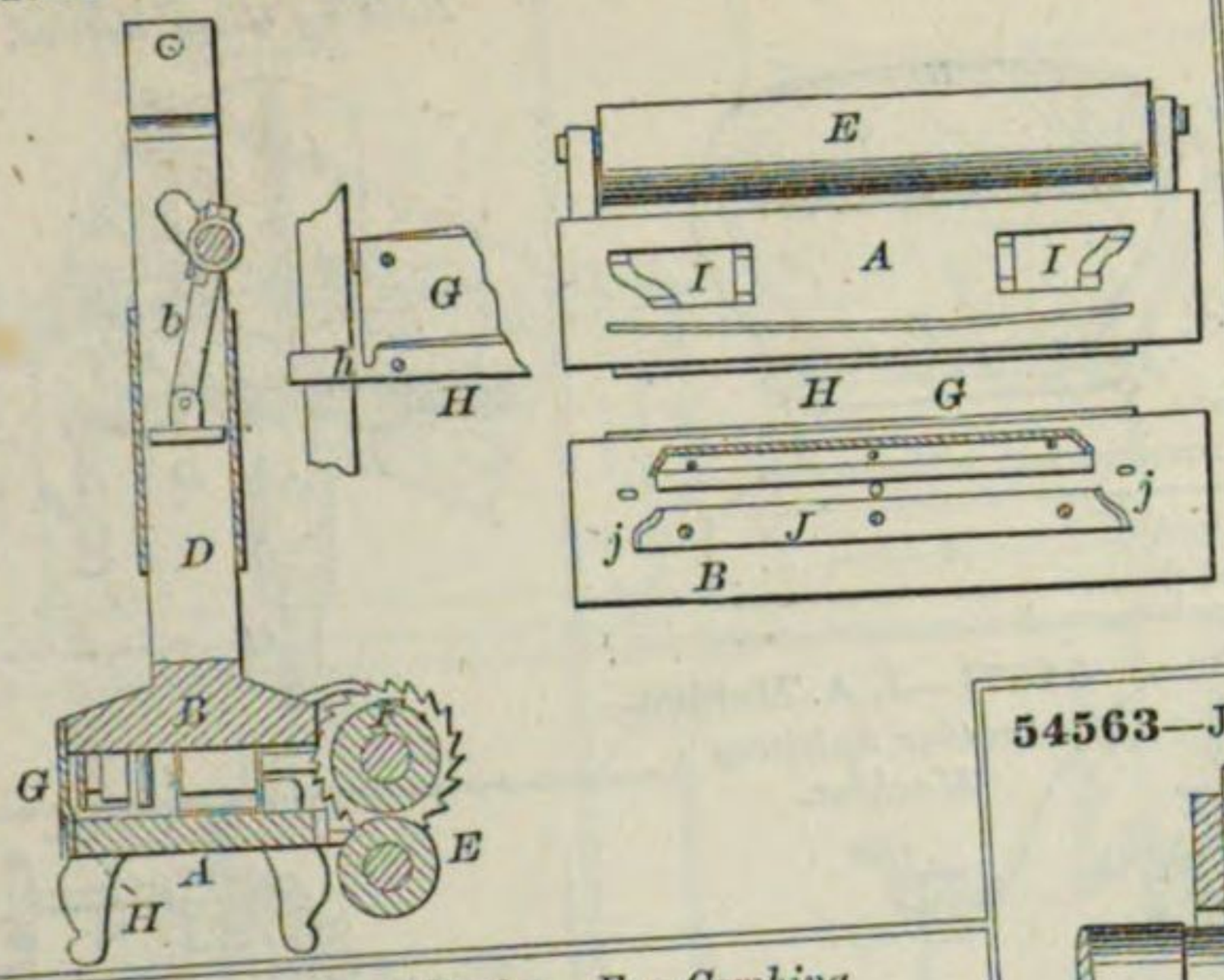


54555—E. Johnson—*Connecting Joints of Pipes.*

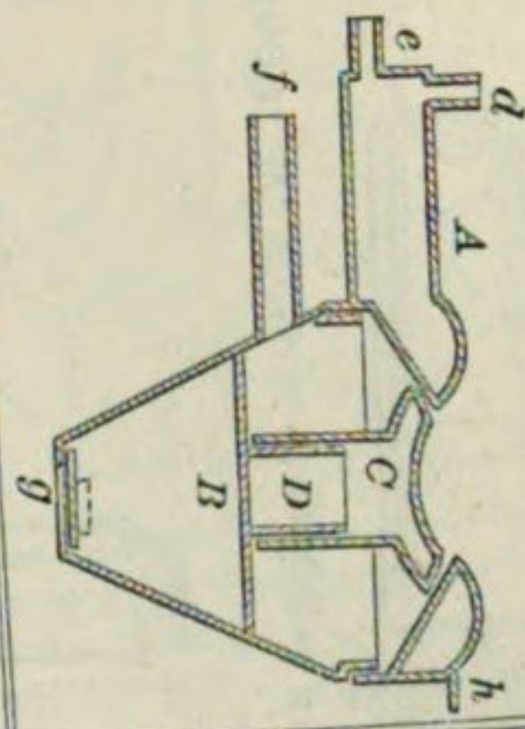
54560—E. L. Kinsley—*Steam Hammer.*



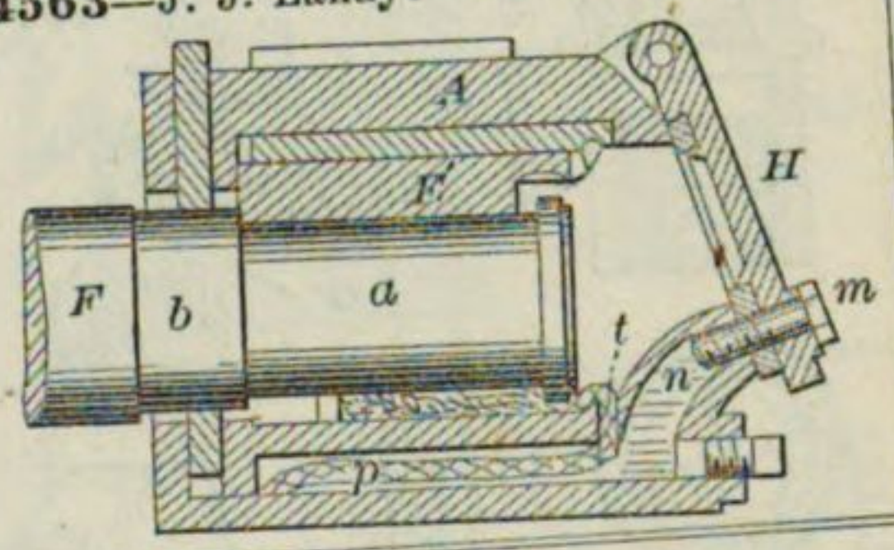
54561—H. F. Knapp—*For Making Paper Collars.*



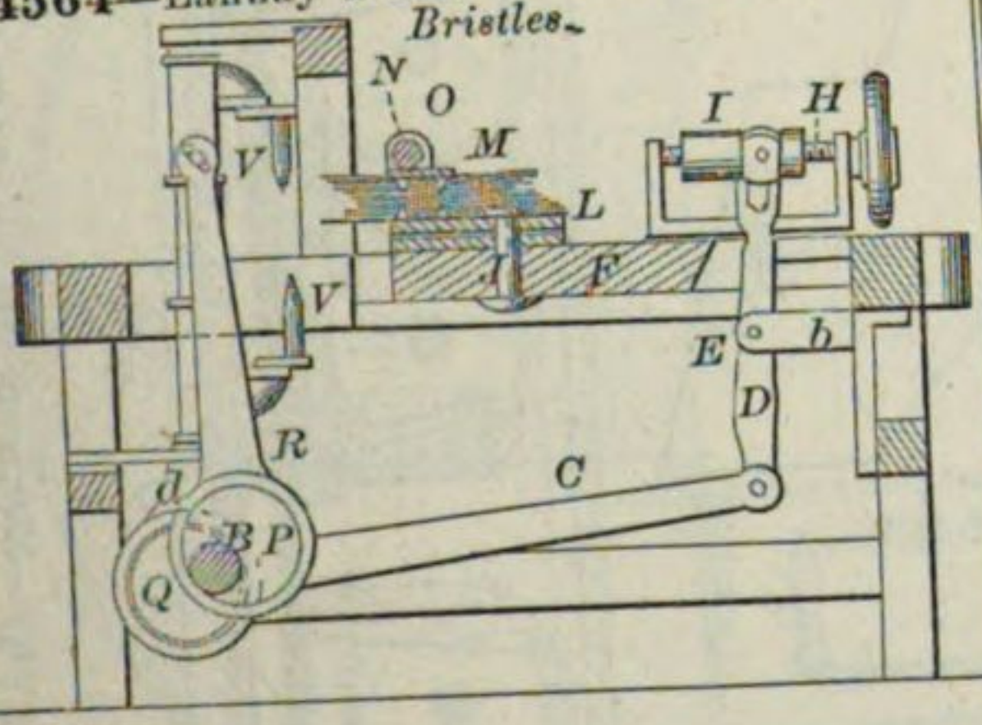
54562—J. Kriegbaum—*Tuyere.*

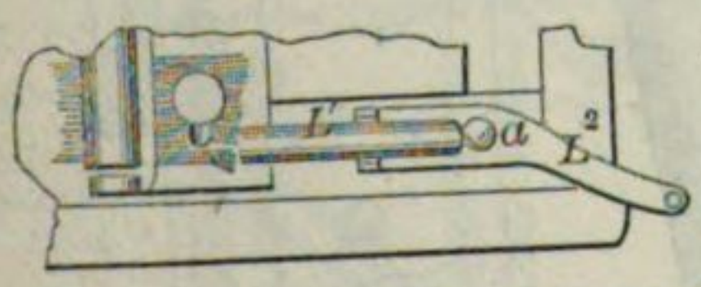


54563—J. J. Lahaye—*Railroad Axle Box.*

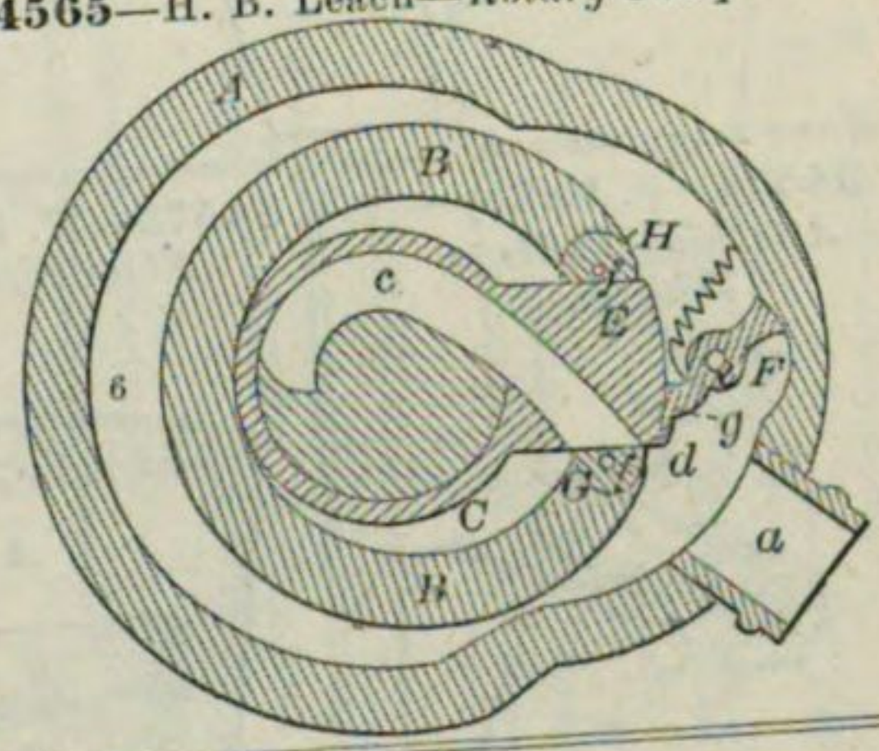


54564—Lannay & Parks—*For Combing Bristles.*

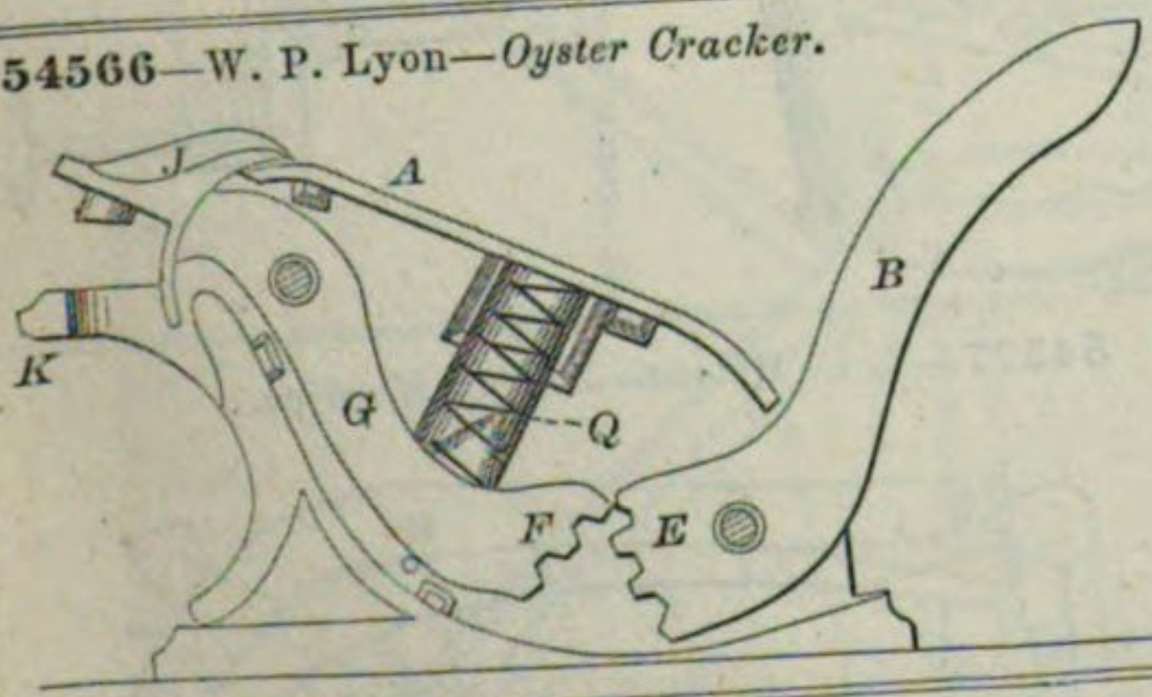




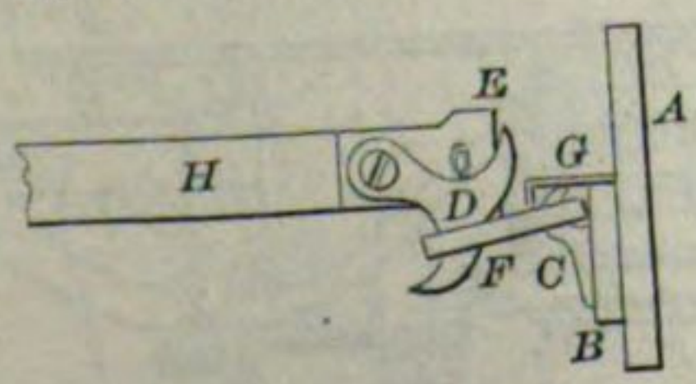
54565—H. B. Leach—*Rotary Pump.*



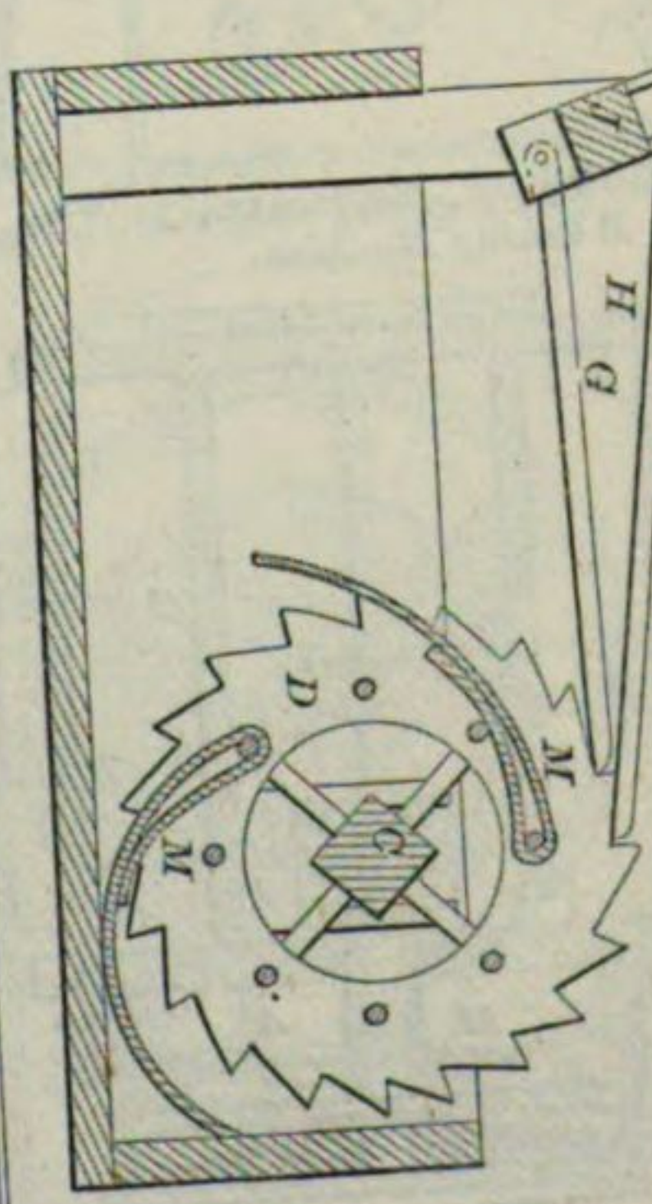
54566—W. P. Lyon—*Oyster Cracker.*



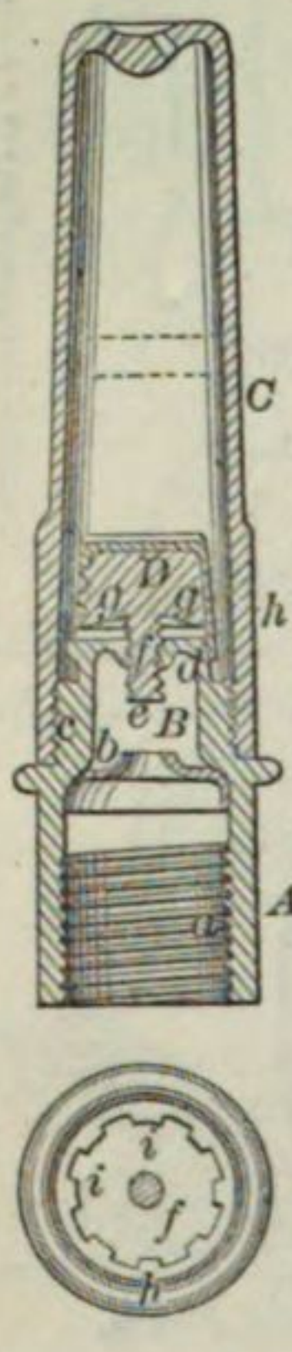
54567—Lynn & Crowell—*Bed Bottom.*



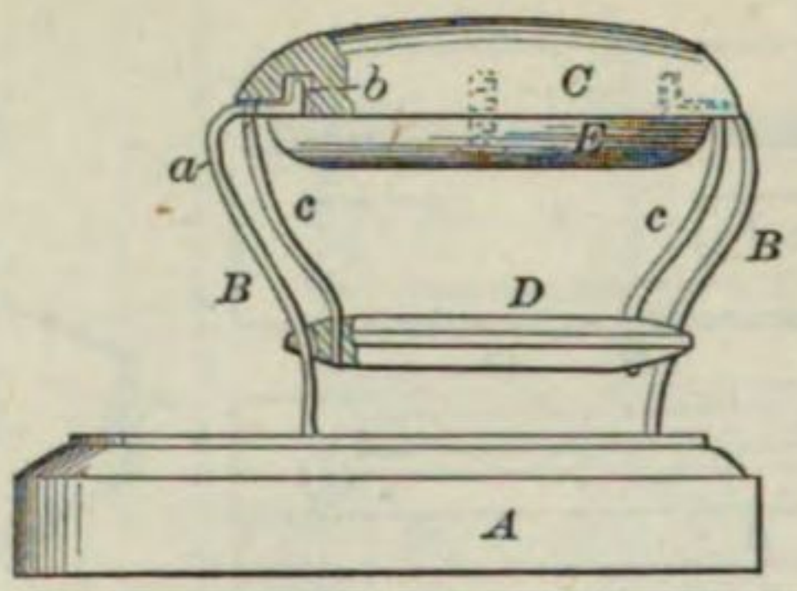
54568—L. Mackey—*For Treating Green Hides.*



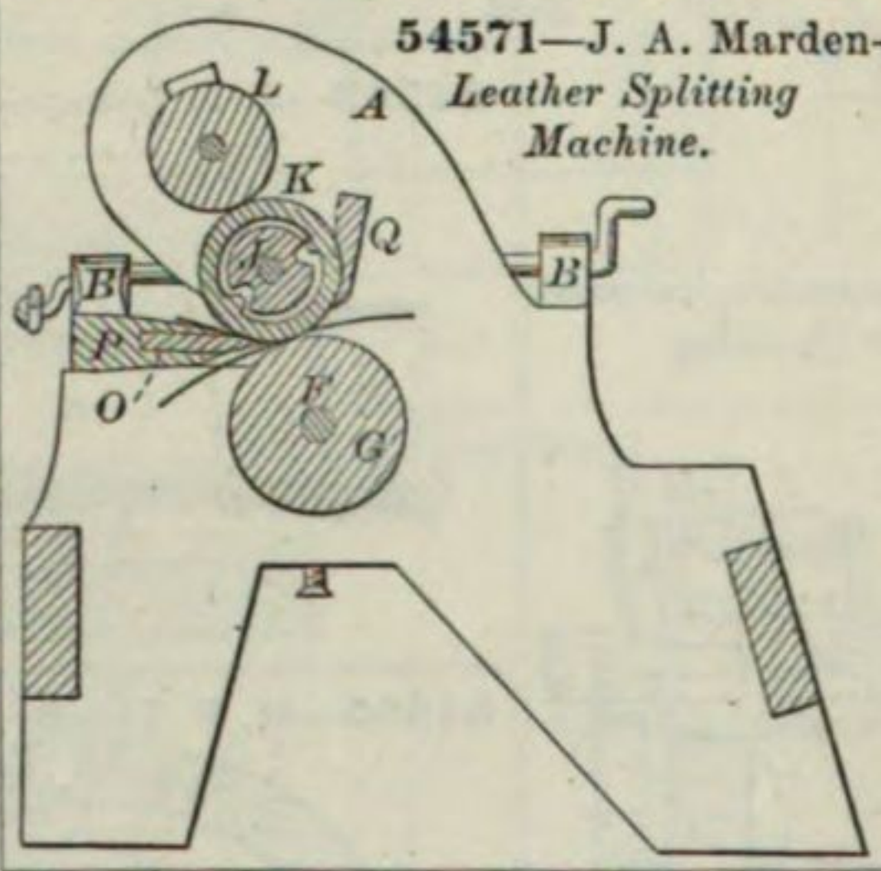
54569—W. Mallerd—*Attachment for Gas Burners.*



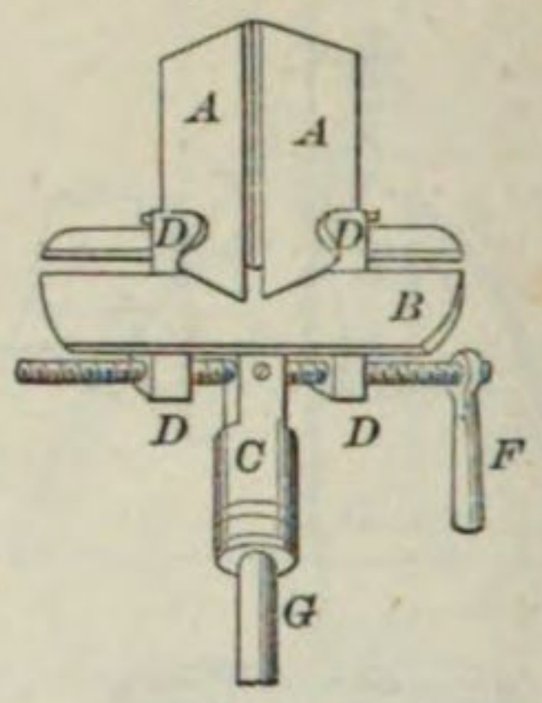
54570—C. J. Mallon—*Sad Iron.*



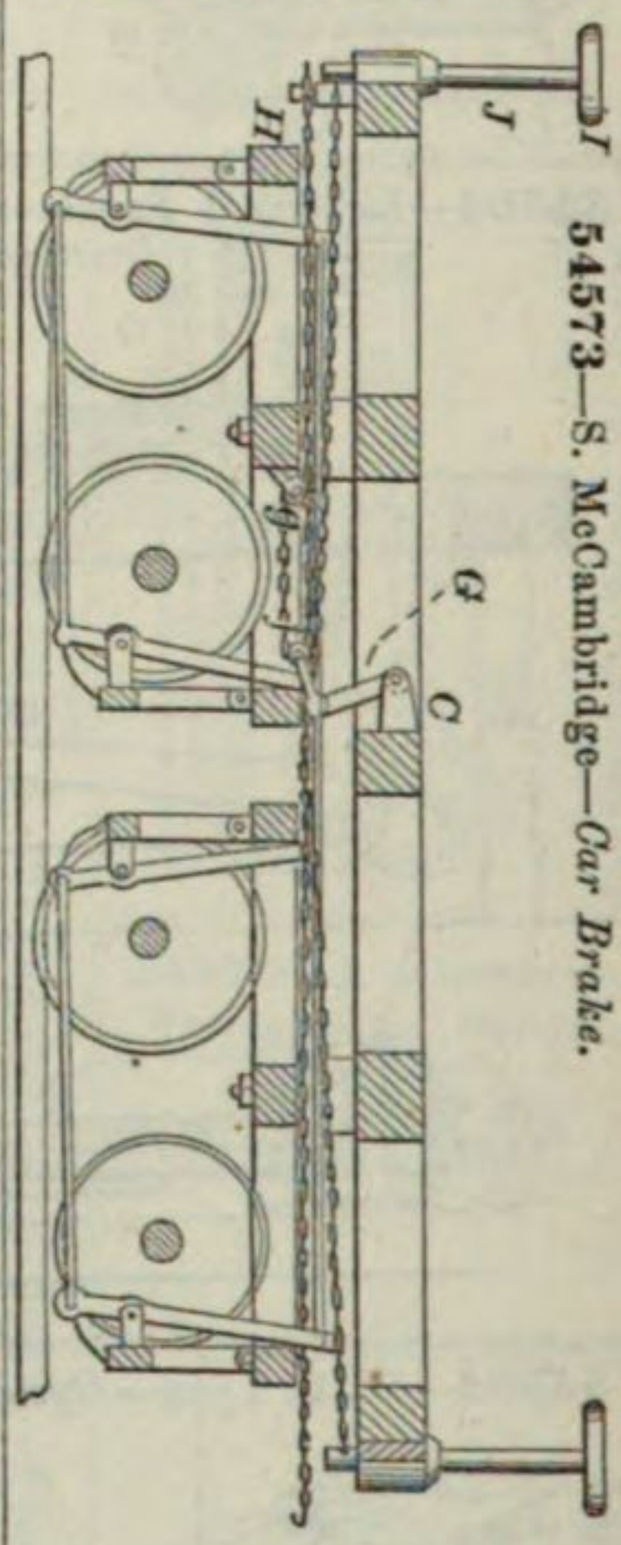
54571—J. A. Marden—*Leather Splitting Machine.*



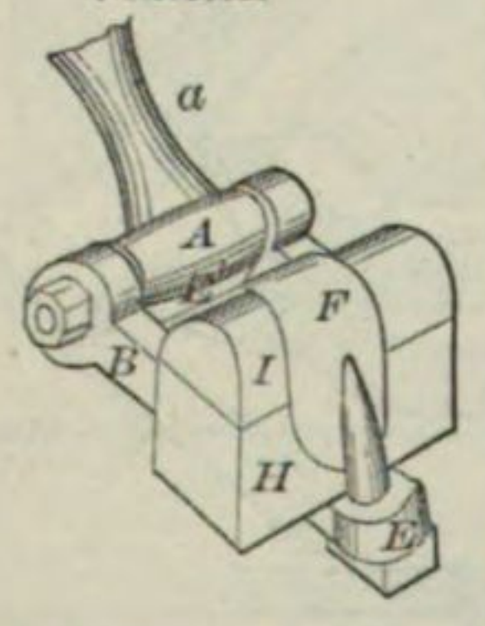
54572—E. McArdle—*For Holding Glass Bottles.*



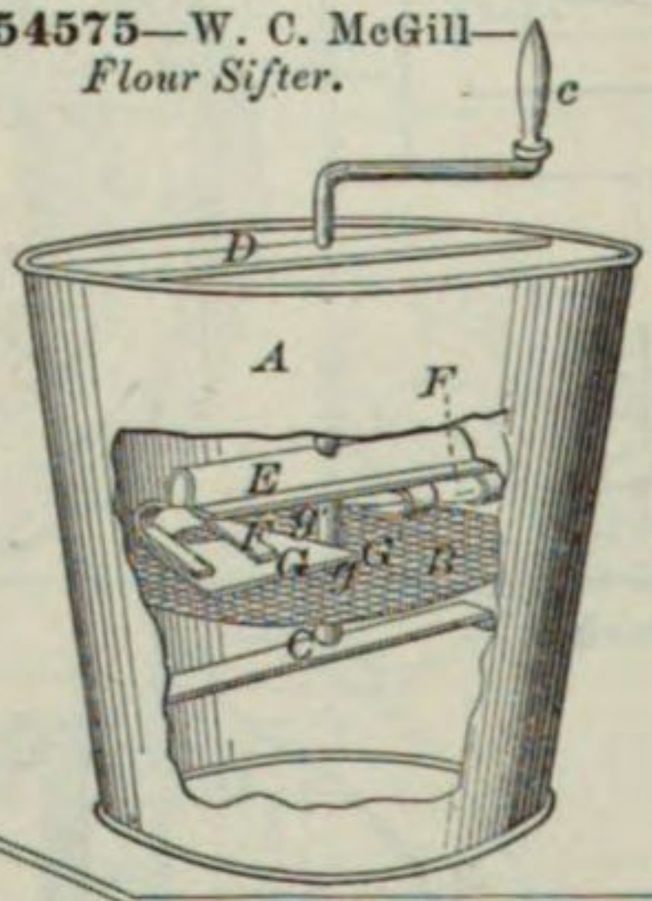
54573—S. McCambridge—*Car Brake.*



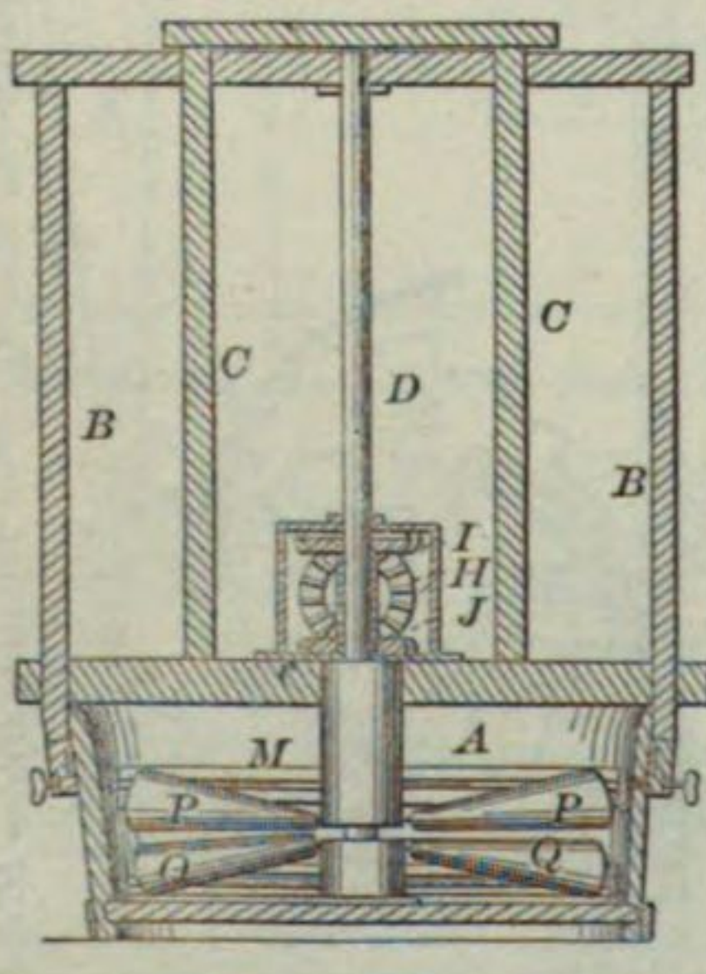
54574—F. McRoy—*Attaching Thills to Vehicles.*



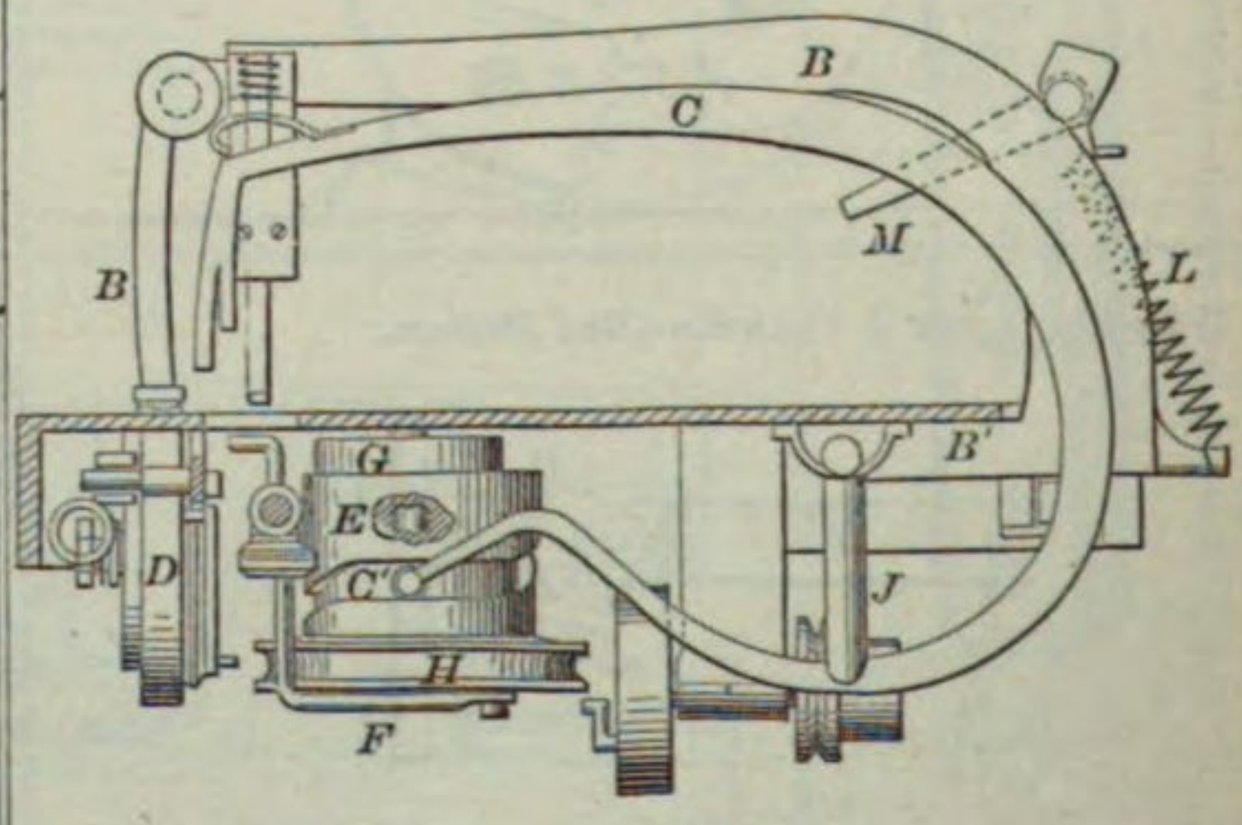
54575—W. C. McGill—*Flour Sifter.*



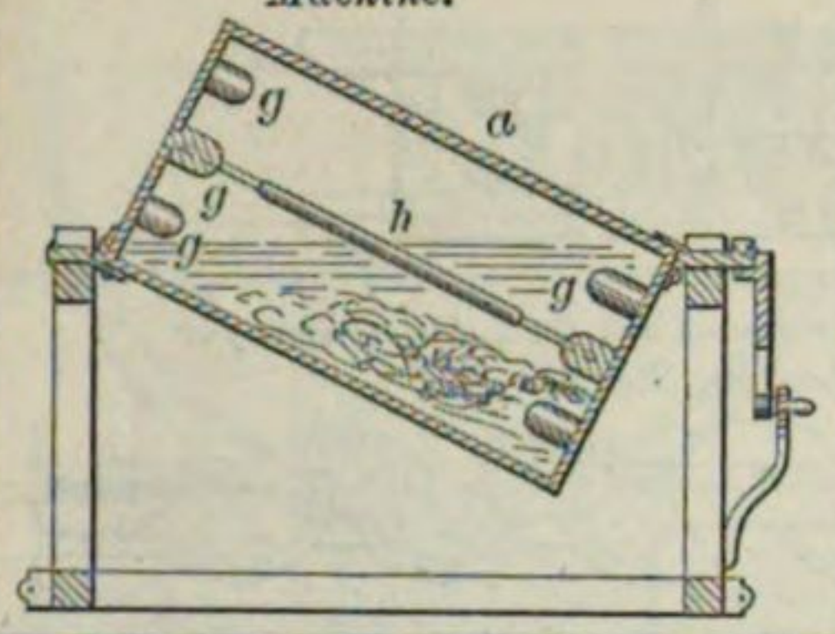
54576—S. McNamara *Washing Machine.*



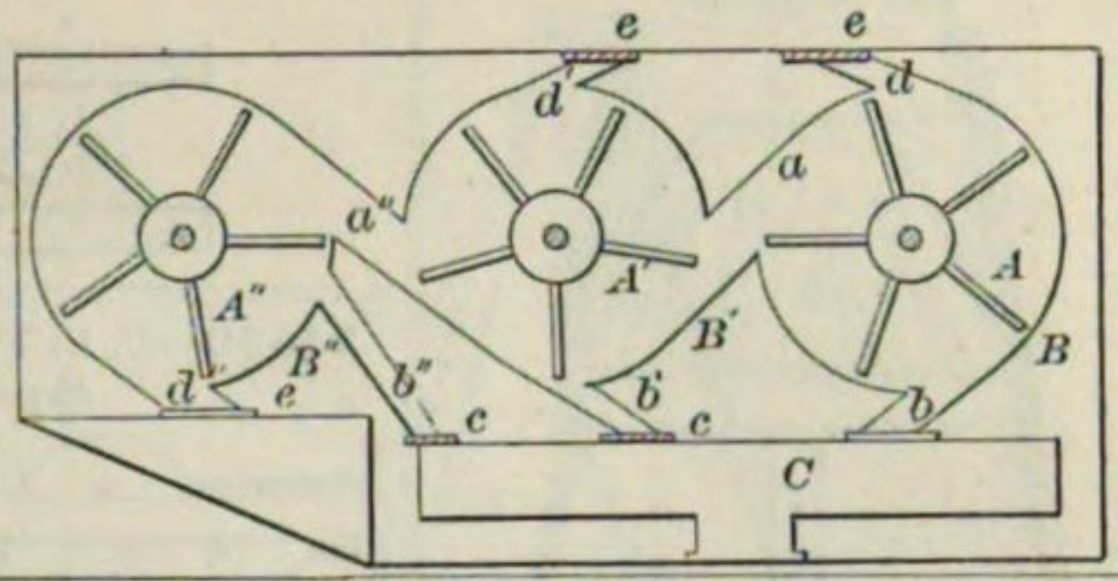
54577—T. L. Melone—*Sewing Machine.*



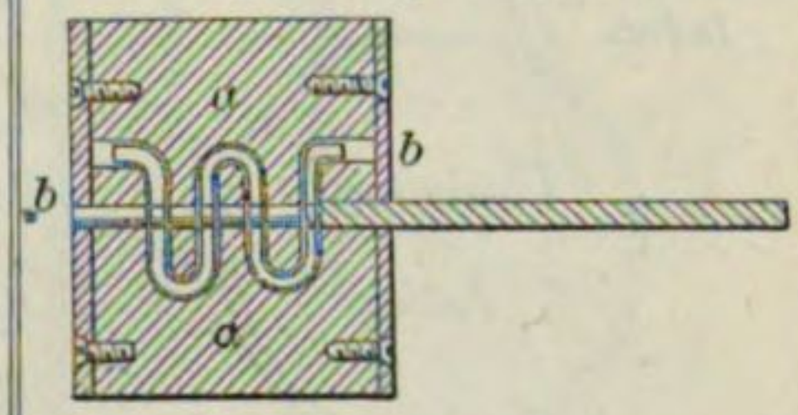
54578—B. F. Miller—*Washing Machine.*



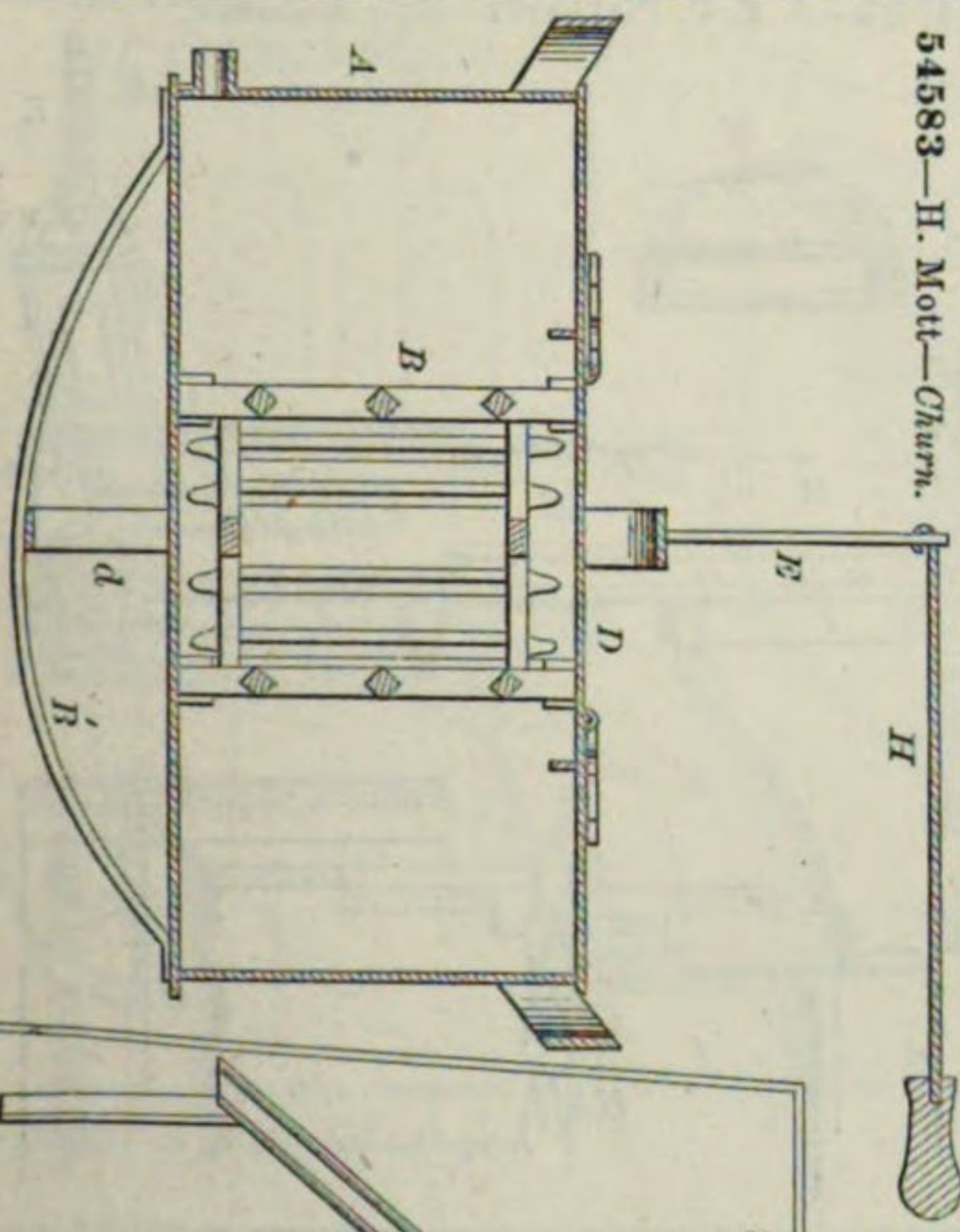
54579—I. & D. J. Miner—*Water Wheel.*



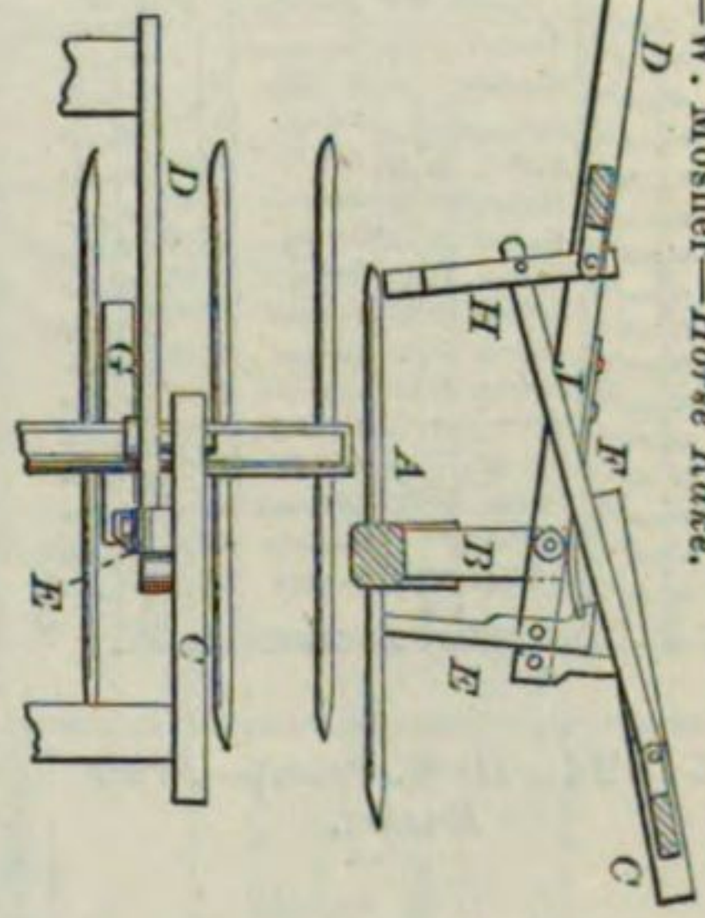
54580—M. J. Montgomery—*For Punching Corrugated Metal.*



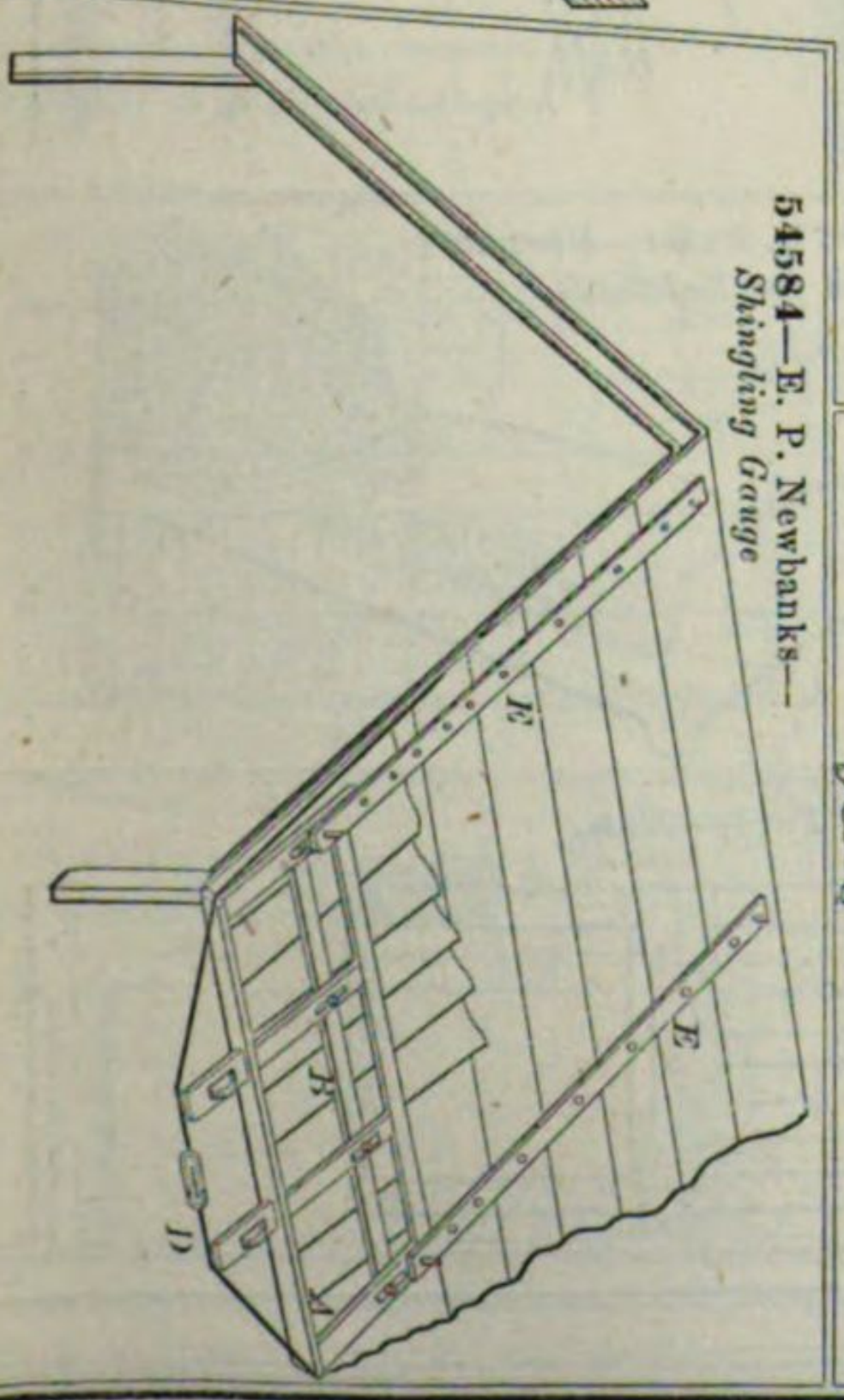
54583—H. Mott—*Churn.*



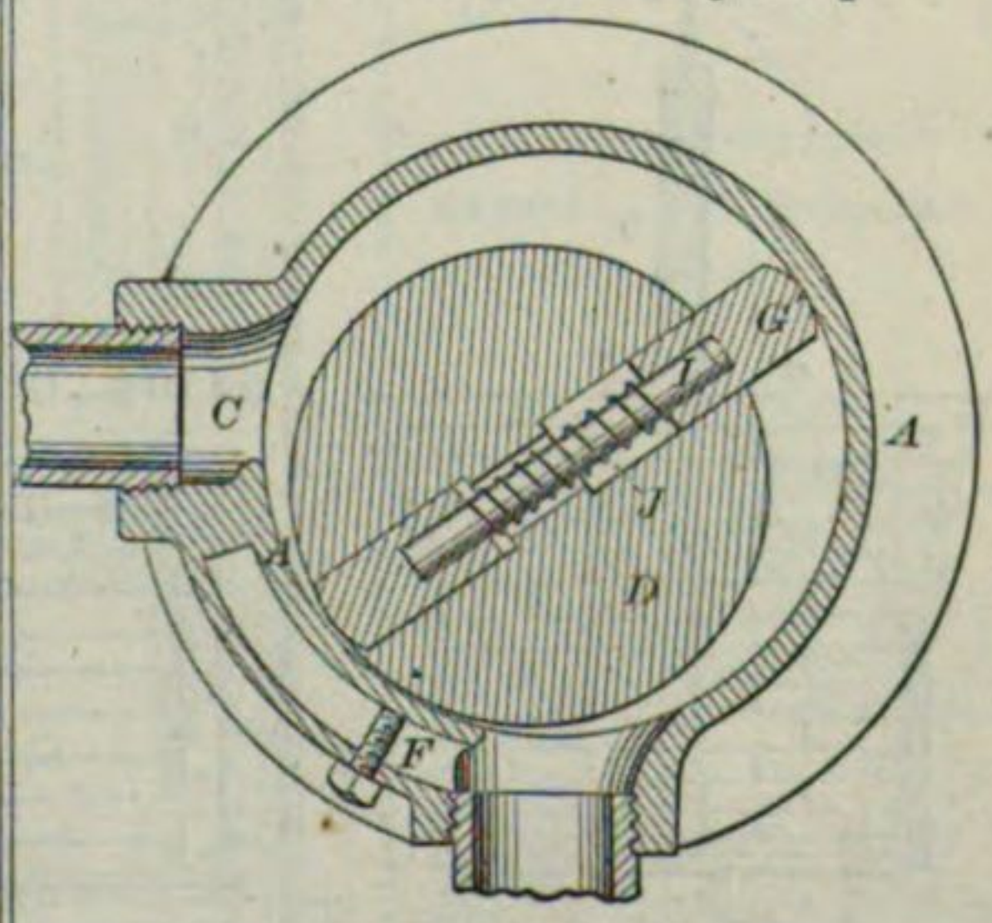
54582—W. Mosher—*Horse Rake.*



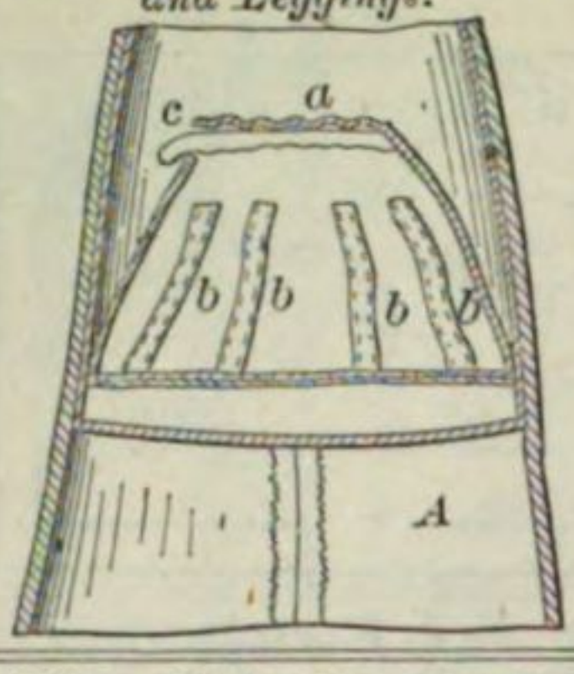
54584—E. P. Newbanks—*Shingling Gauge*



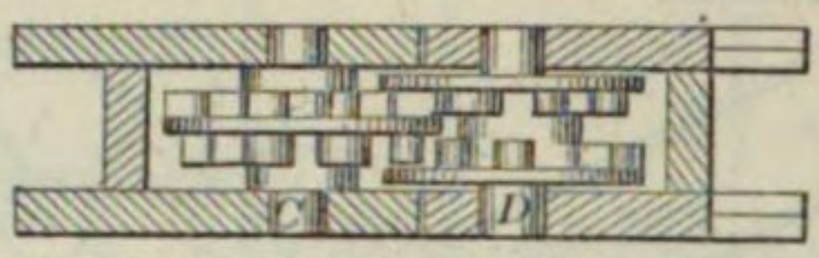
54581—J. J. Morris—*Rotary Pump*



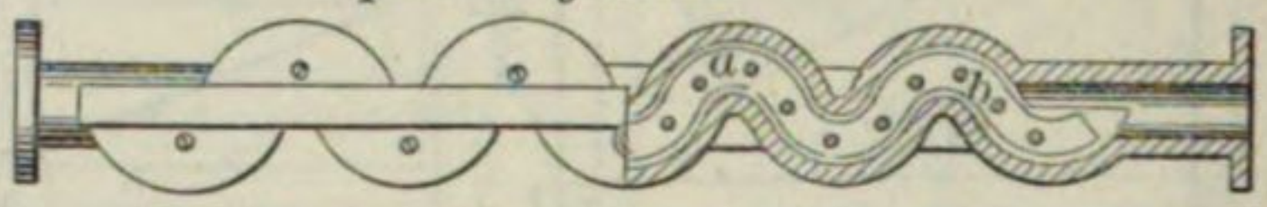
54585—J. K. O'Neil—*Sleeves and Leggings.*



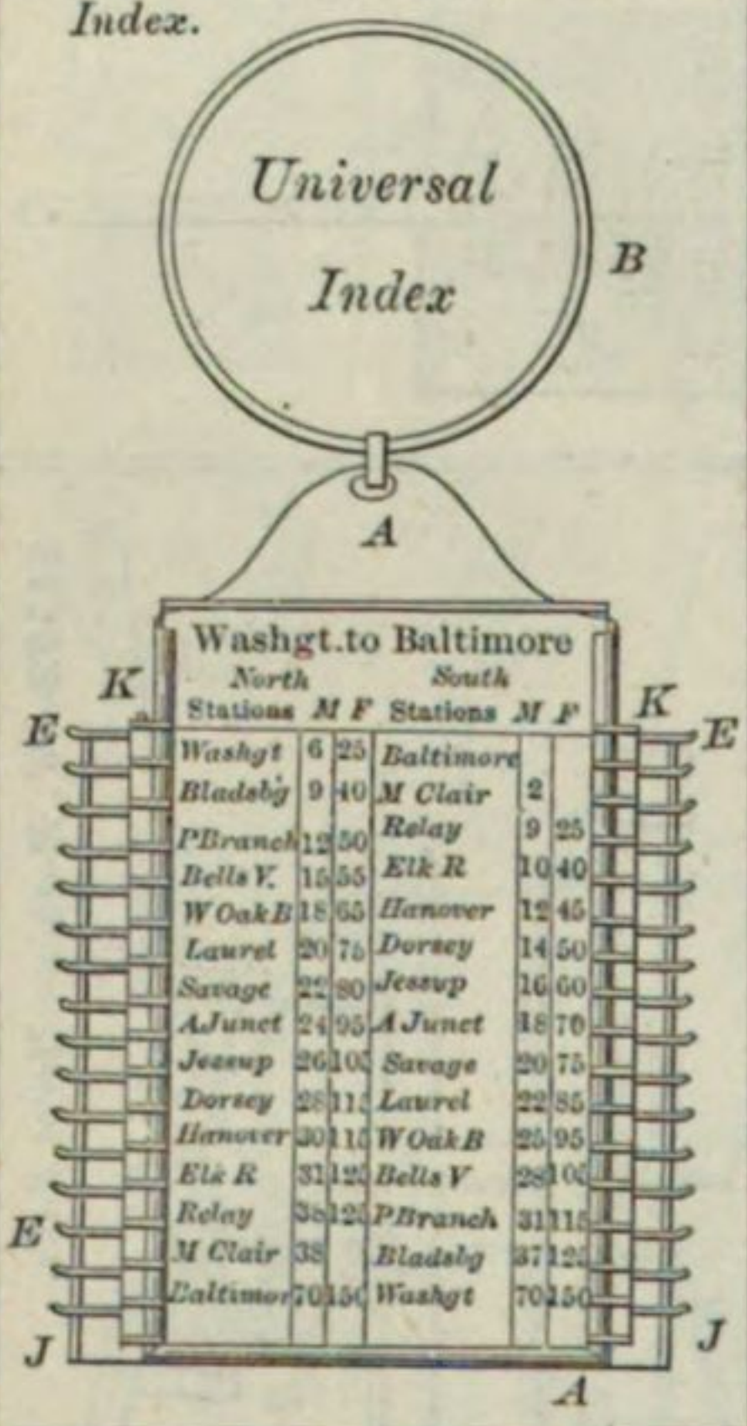
54589—S. W. & J. F. Palmer—*Gearing.*



54590—C. C. Parsons—*Cost Iron Apparatus for Superheating Steam.*



54593—M. L. Powell—*Universal Index.*


Universal
Index
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Washgt.to Baltimore
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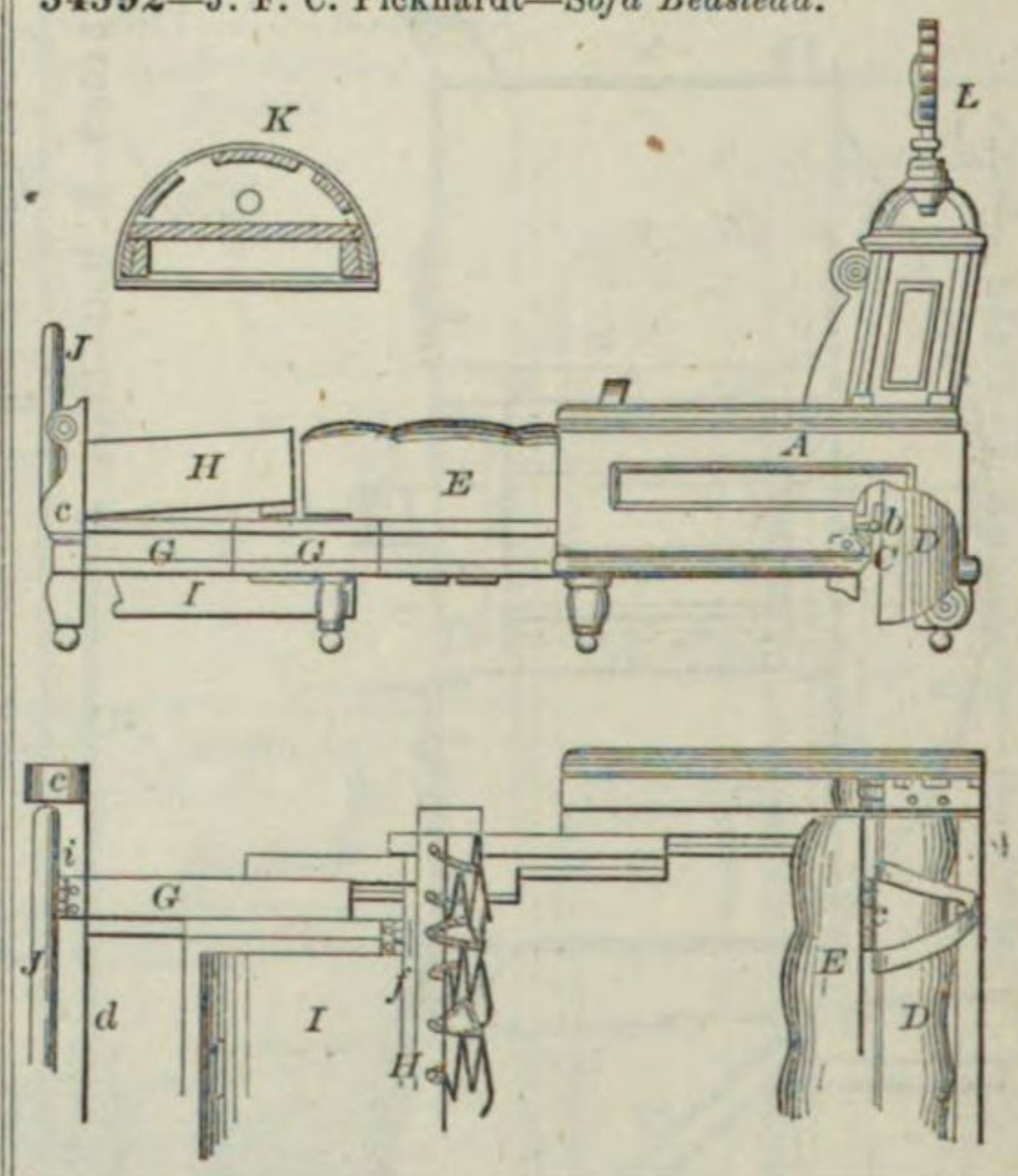
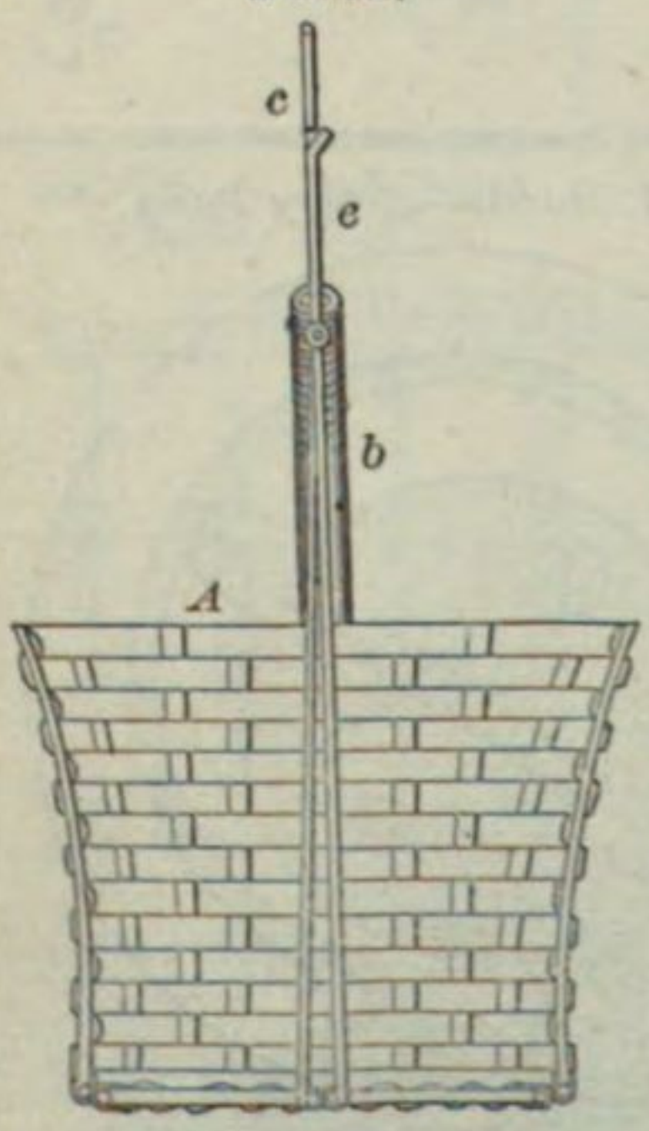
South
Stations M F Stations M F
Washgt 6 25 Baltimore
Bladsbg 9 40 M Clair 2
P Branch 12 50 Relay 9 25
Bells V. 15 55 Elk R 10 40
W Oak B 18 65 Hanover 12 45
Laurel 20 75 Dorsey 14 50
Savage 22 80 Jessup 16 60
A Junct 24 95 A Junct 18 70
Jessup 26 100 Savage 20 75
Dorsey 28 110 Laurel 22 85
Hanover 30 110 W Oak B 25 95
Elk R 31 120 Bells V 28 100
Relay 36 120 P Branch 31 115
M Clair 38 Bladsbg 37 125
Baltimor 70 150 Washgt 70 250

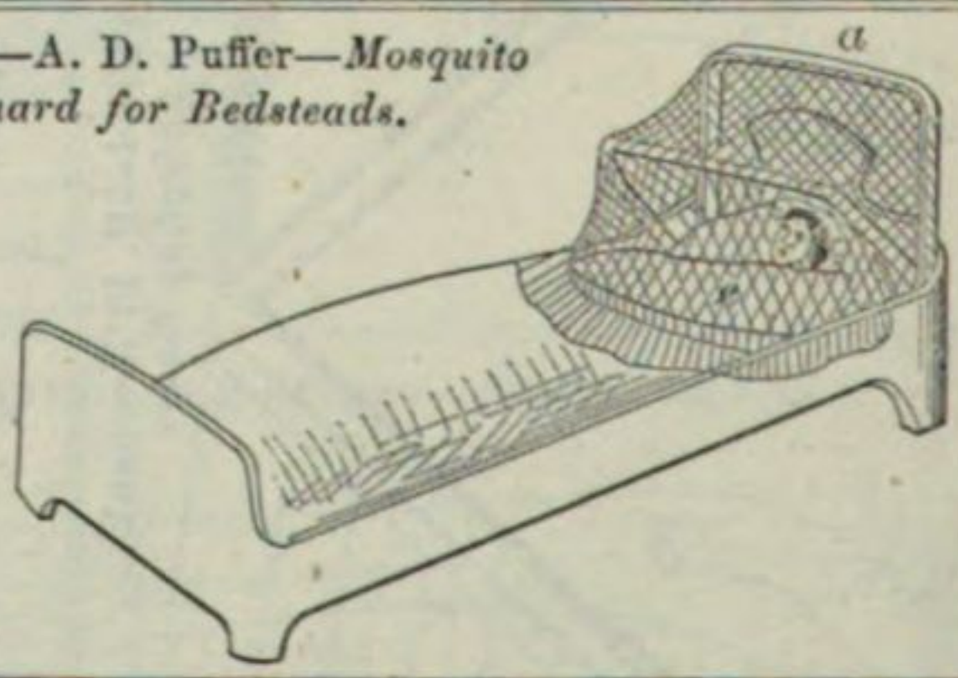
54592—J. F. C. Pickhardt—*Sofa Bedstead.*



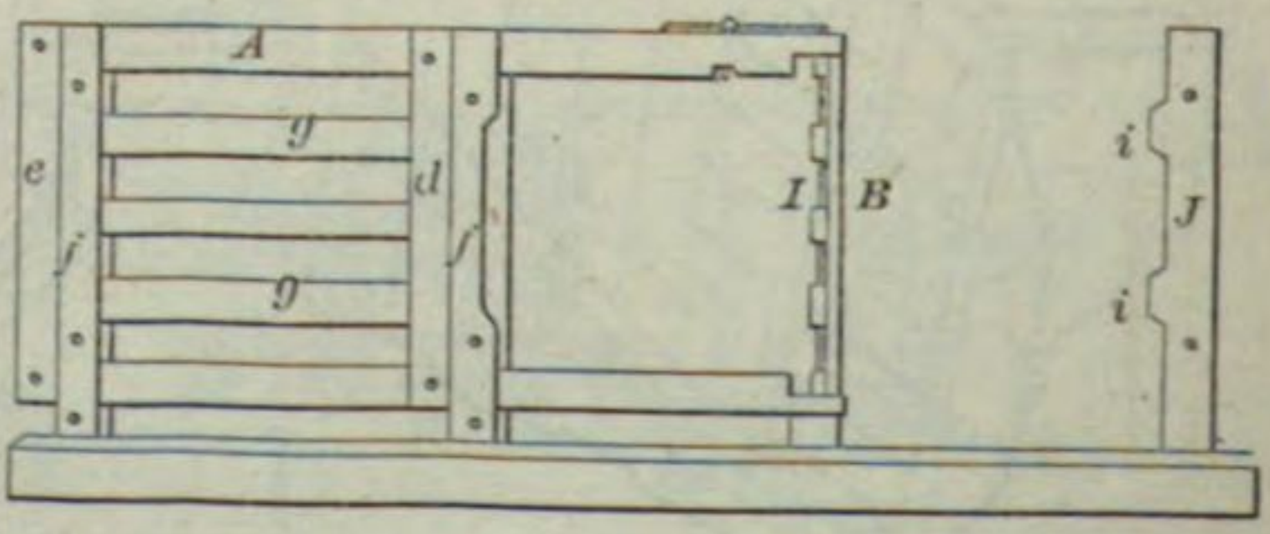
54594—D. H. Priest—*Fruit Basket.*



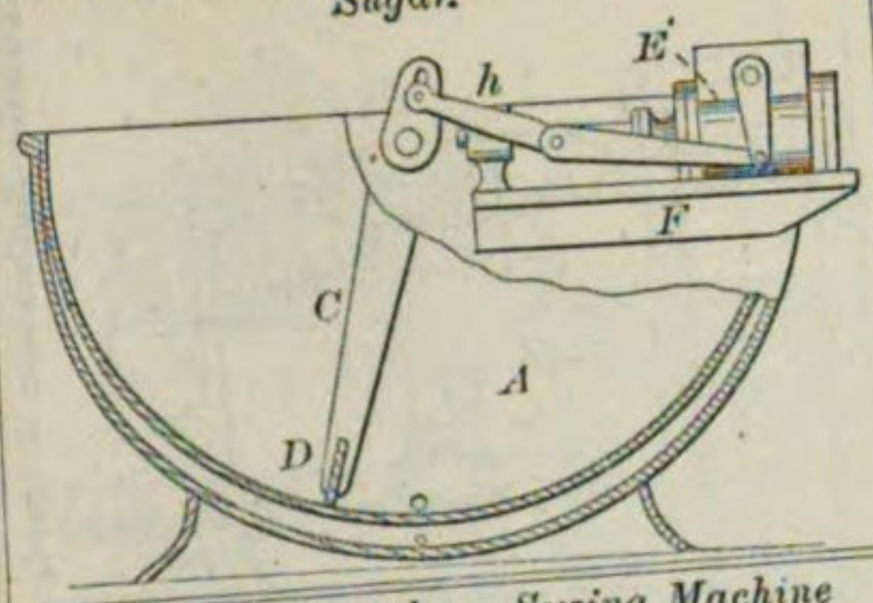
54595—A. D. Puffer—*Mosquito Guard for Bedsteads.*



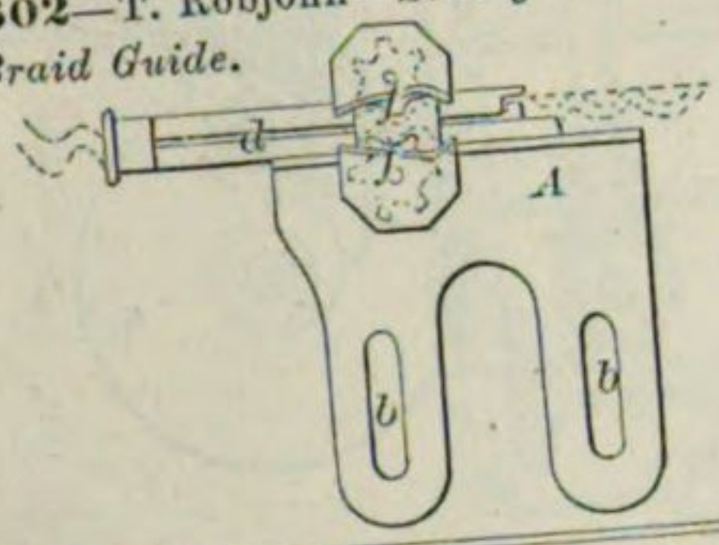
54596—C. Purdy—*Gate.*



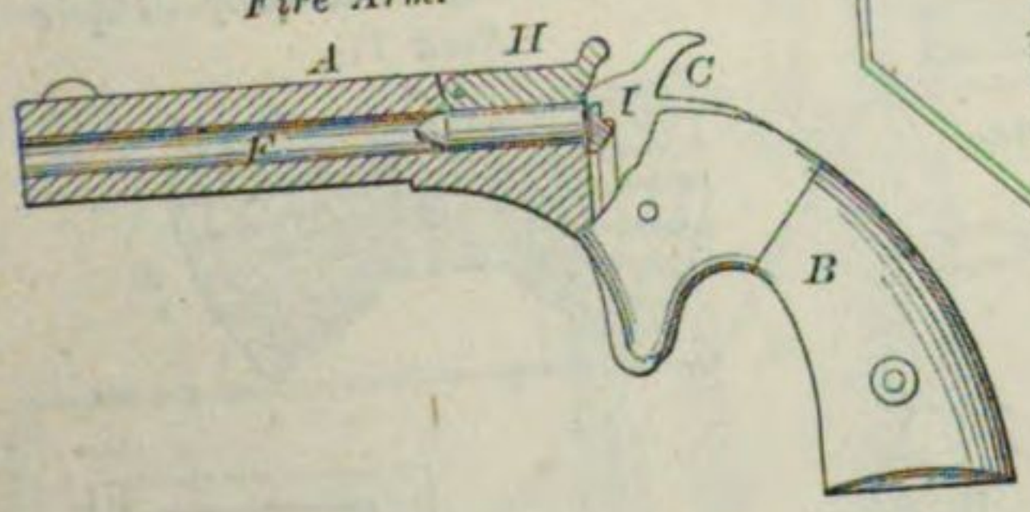
54597—T. H. Quick—*For Dissolving Sugar.*



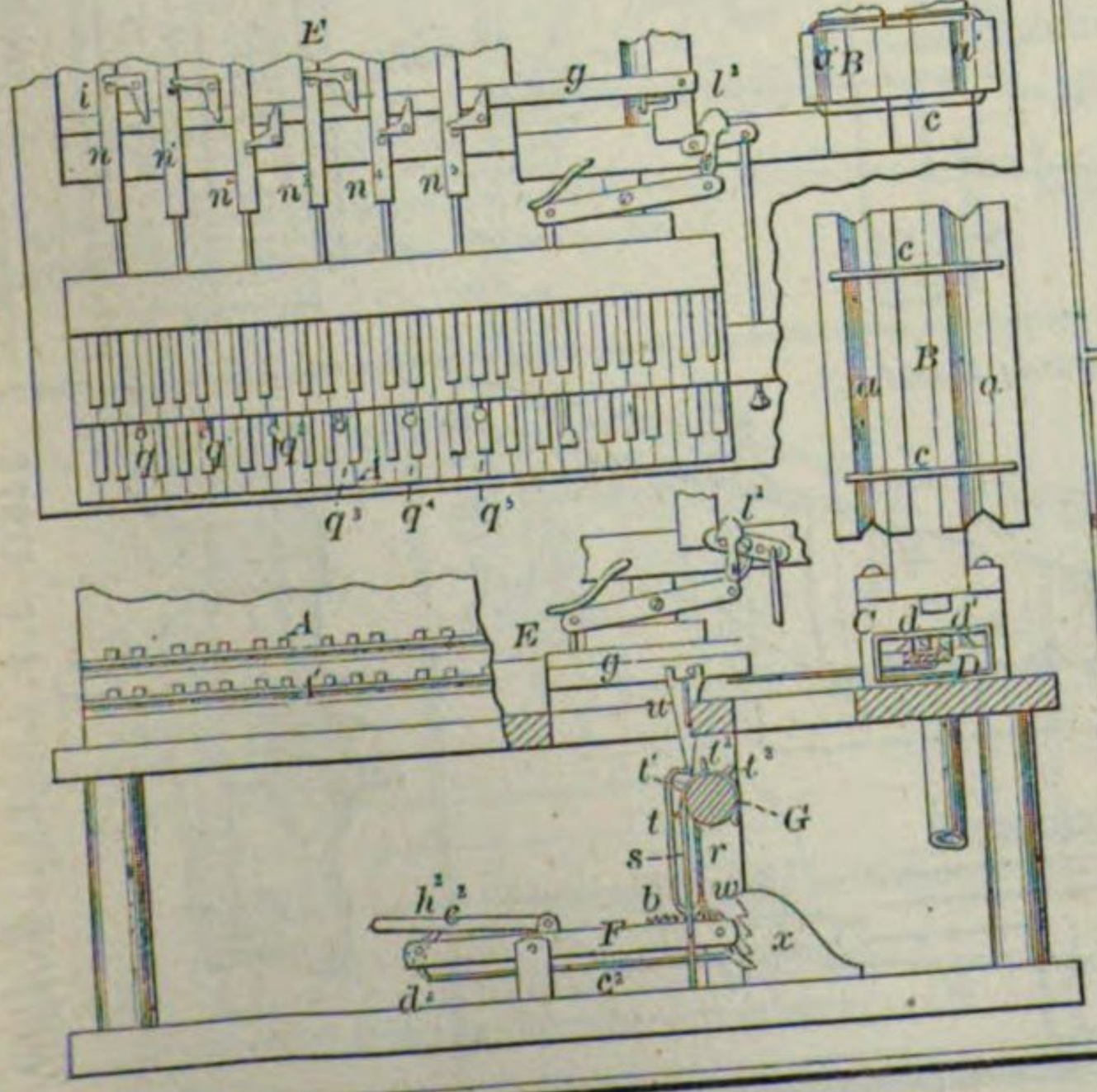
54602—T. Robjohn—*Sewing Machine Braid Guide.*



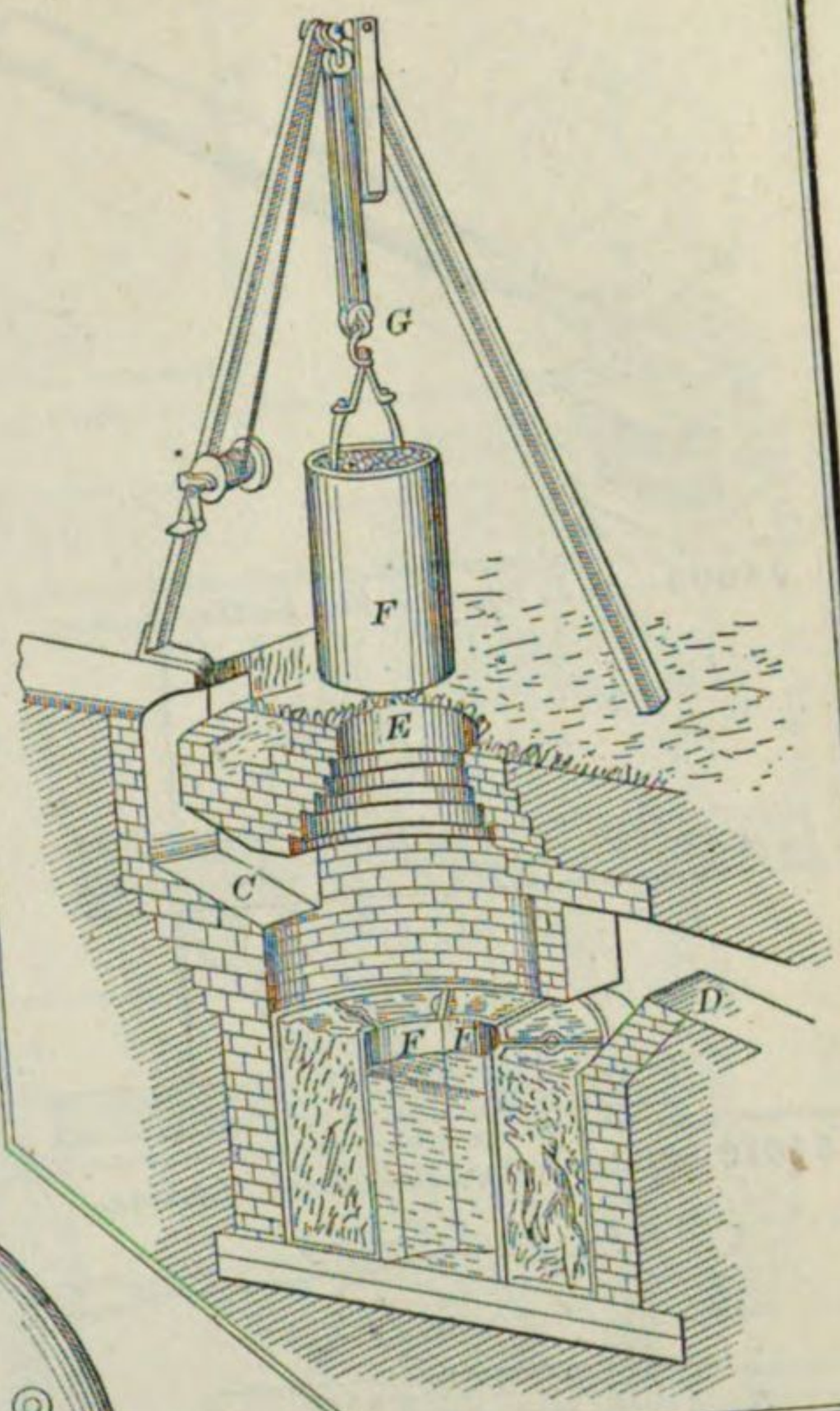
54500—H. Reynolds—*Breech-Loading Fire Arm.*



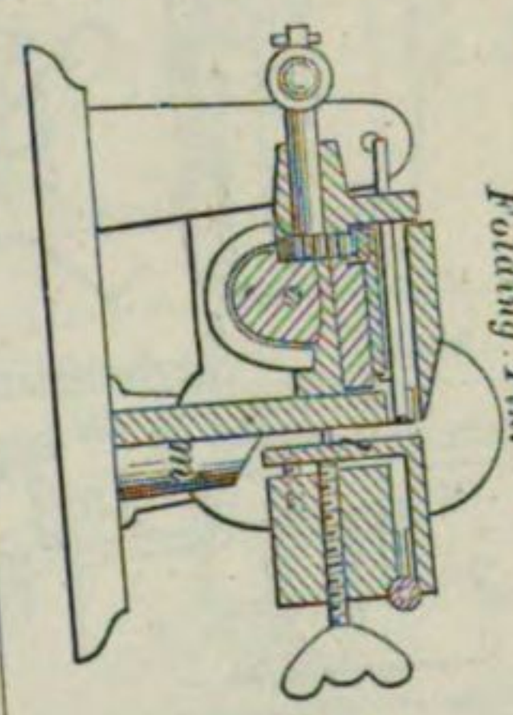
54603—W. Robjohn—*Organ.*



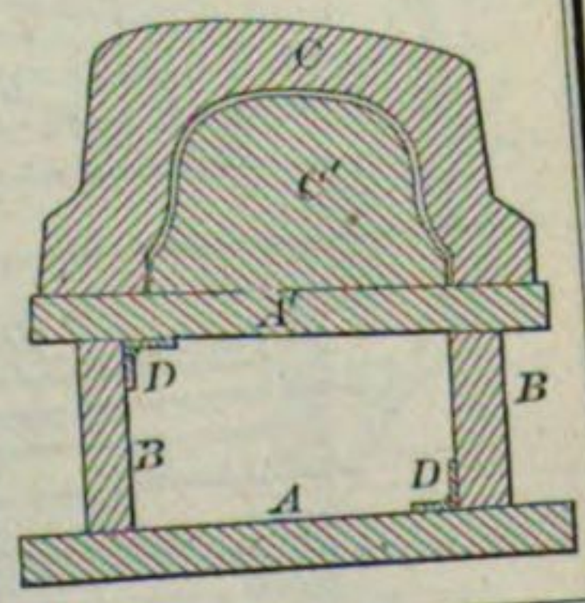
54598—T. F. Randolph—*Sewer.*



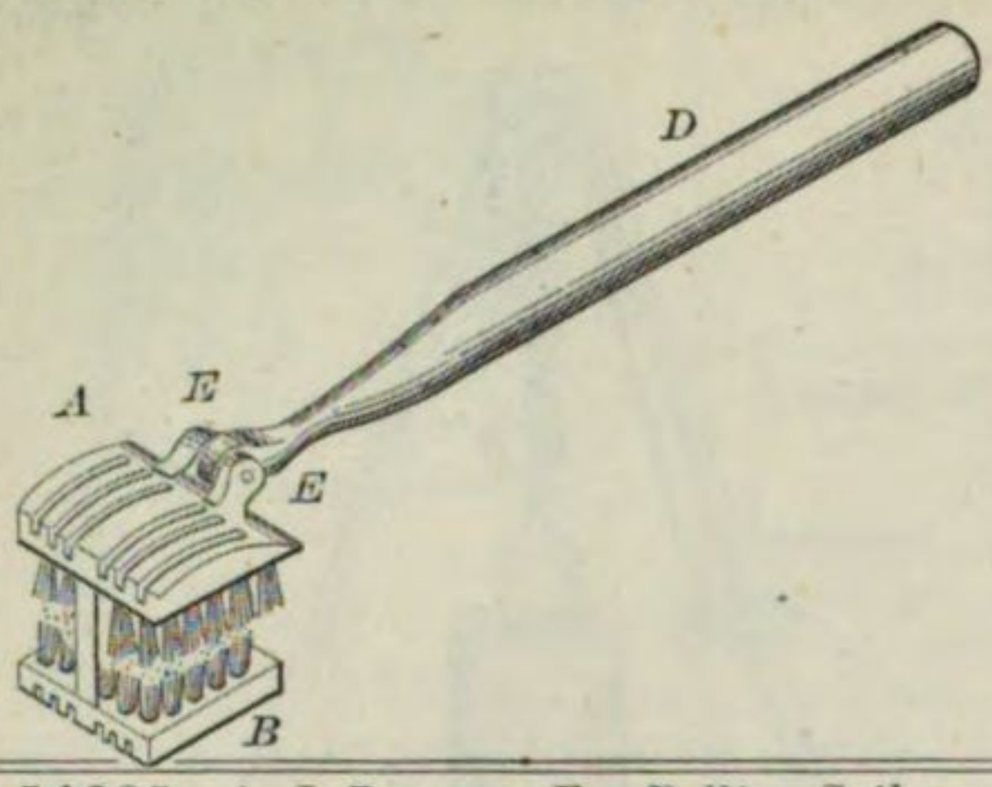
54599—C. H. Raymond—*For Folding Tin.*



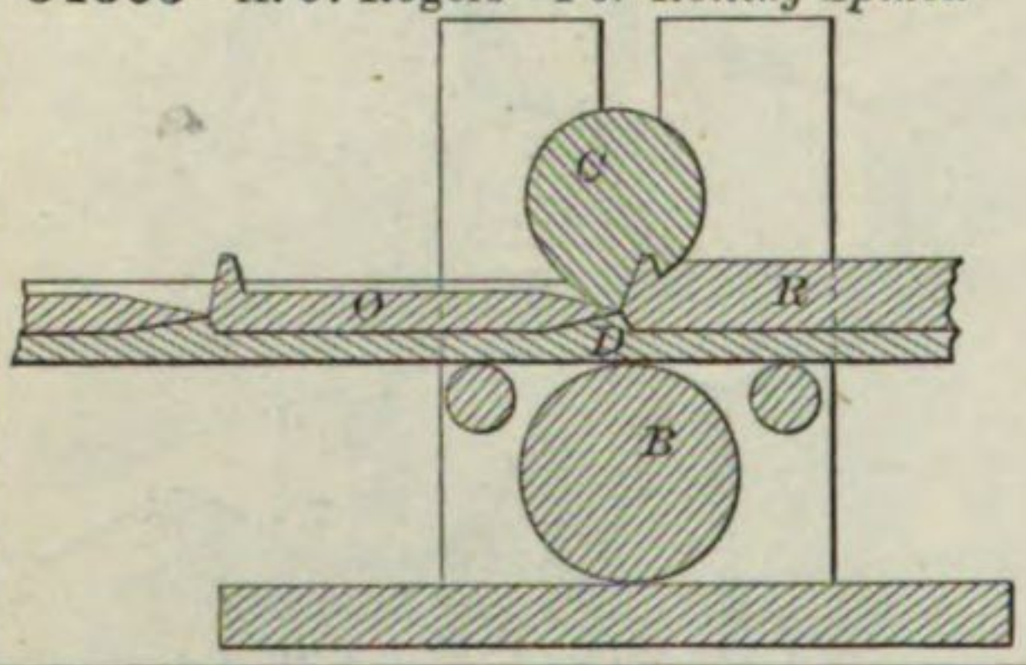
54601—H. A. Robison—*Hat Block.*



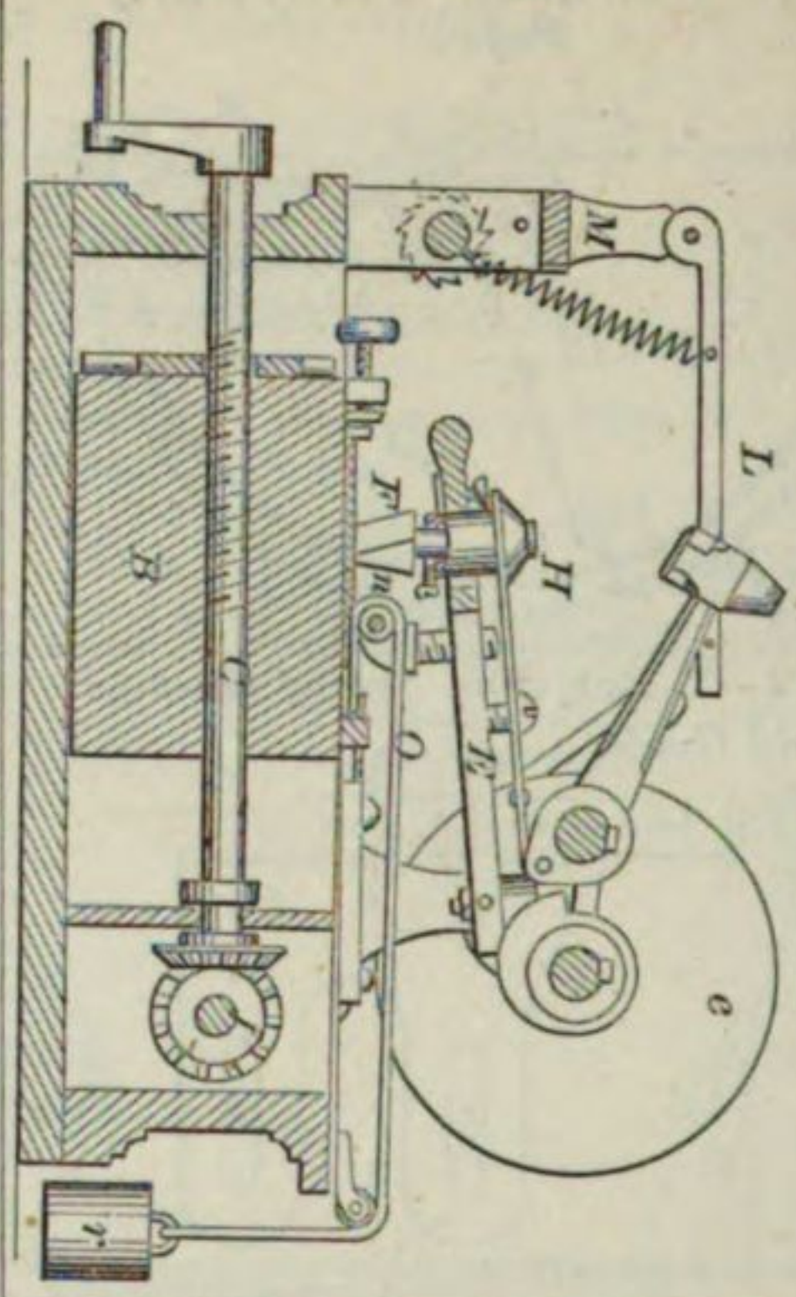
54604—C. Rosefield—*Tooth Brush.*



54605—A. J. Rogers—*For Rolling Spikes.*

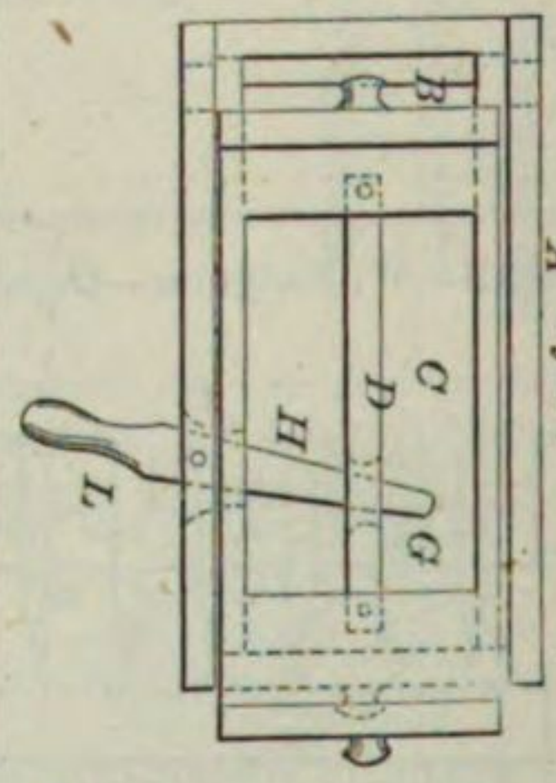


54606—Rotherham & Holden—*File Cutting Machine.*

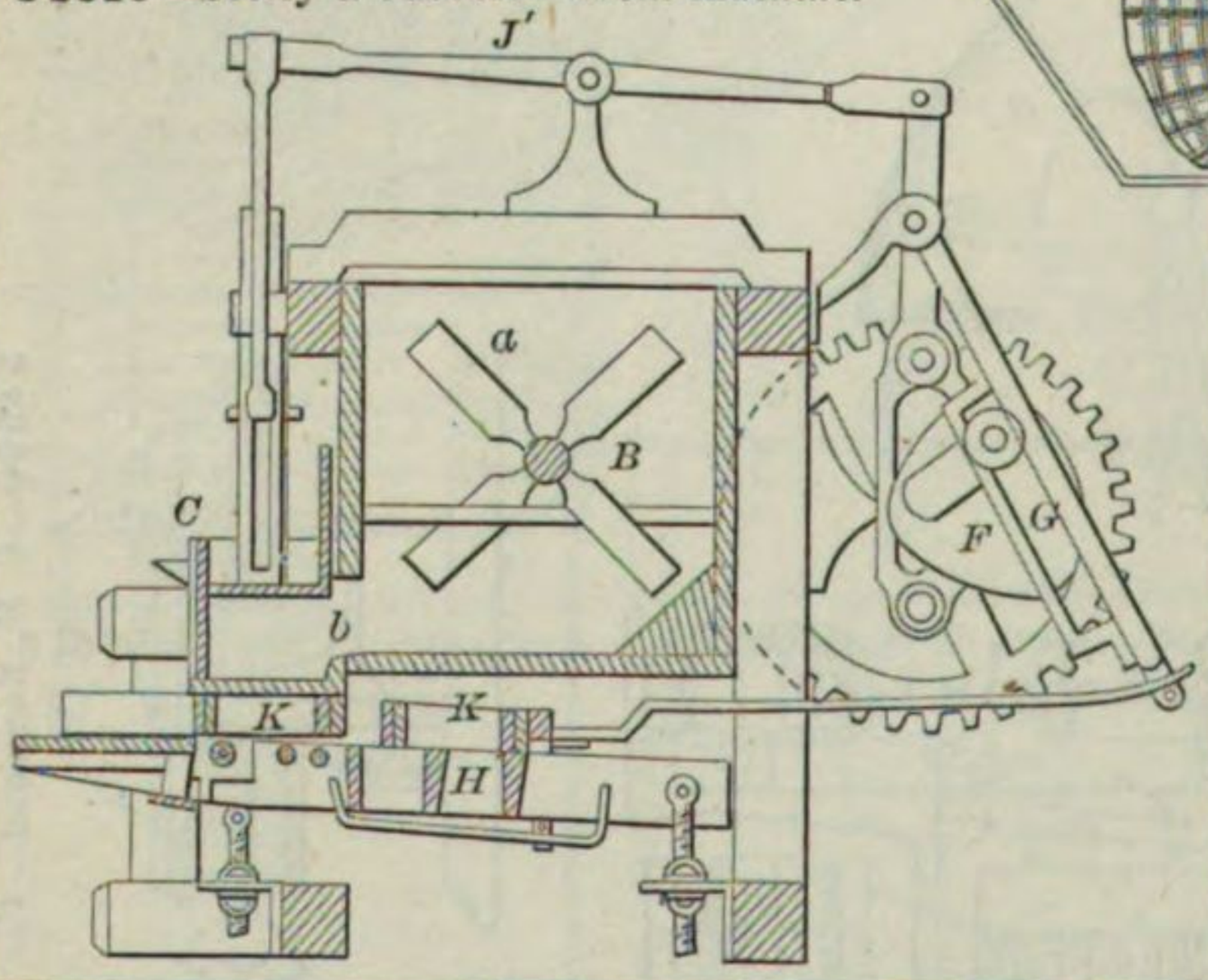


54607—Sangster & Seely—*Paper Neck Tie.*

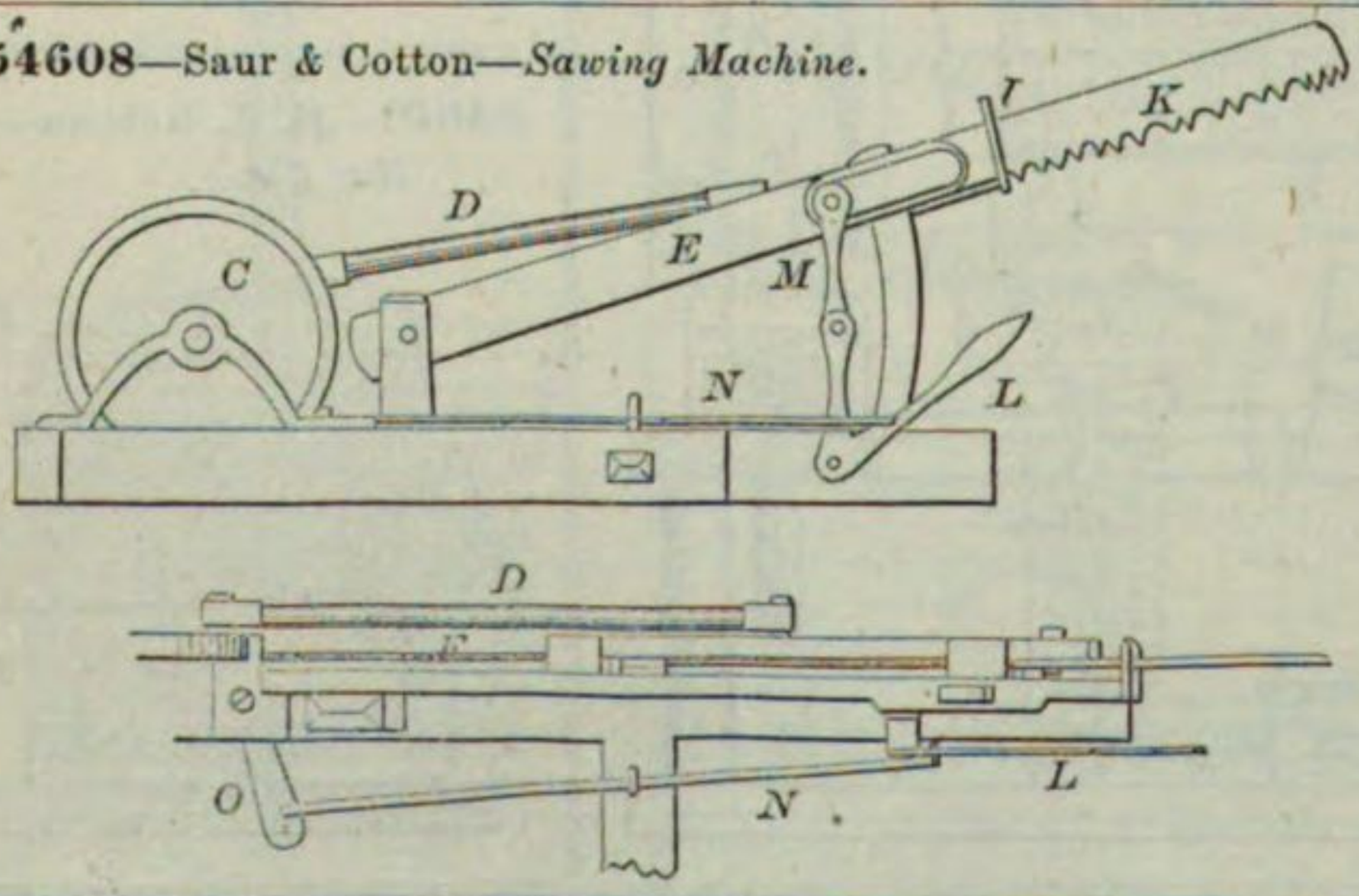
54609—E. C. Sears—*Flour and Meal Sifter.*



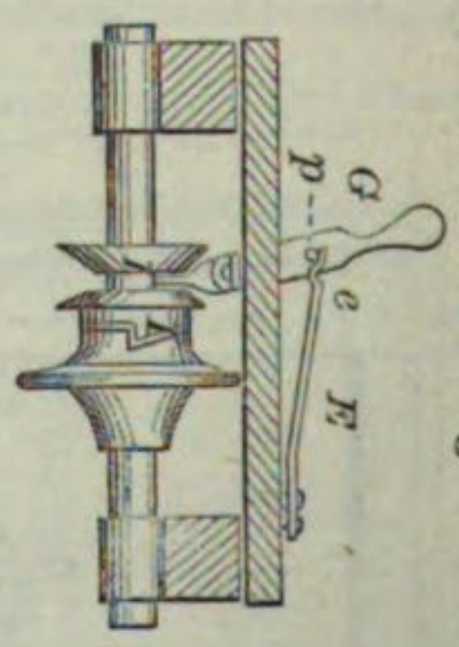
54610—Seeley & Jacobie—*Brick Machine.*



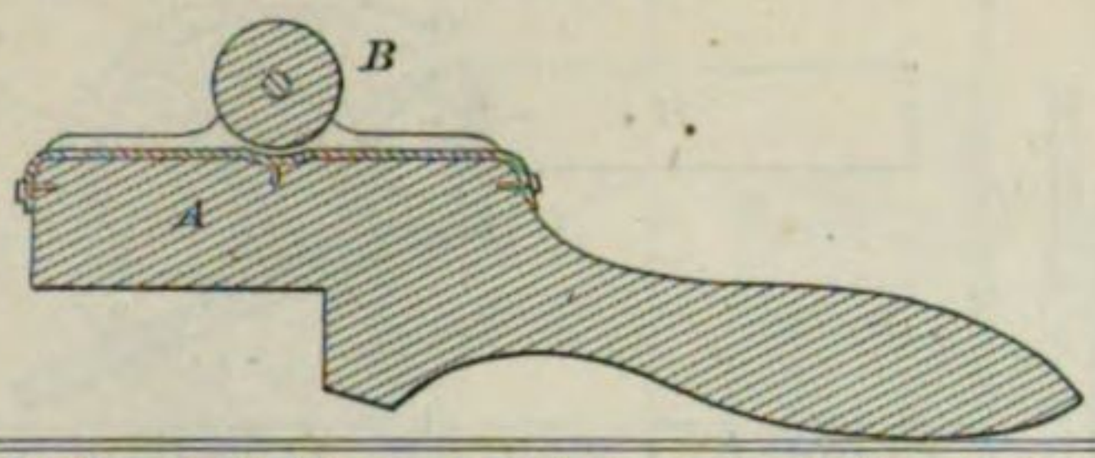
54608—Saur & Cotton—*Sawing Machine.*



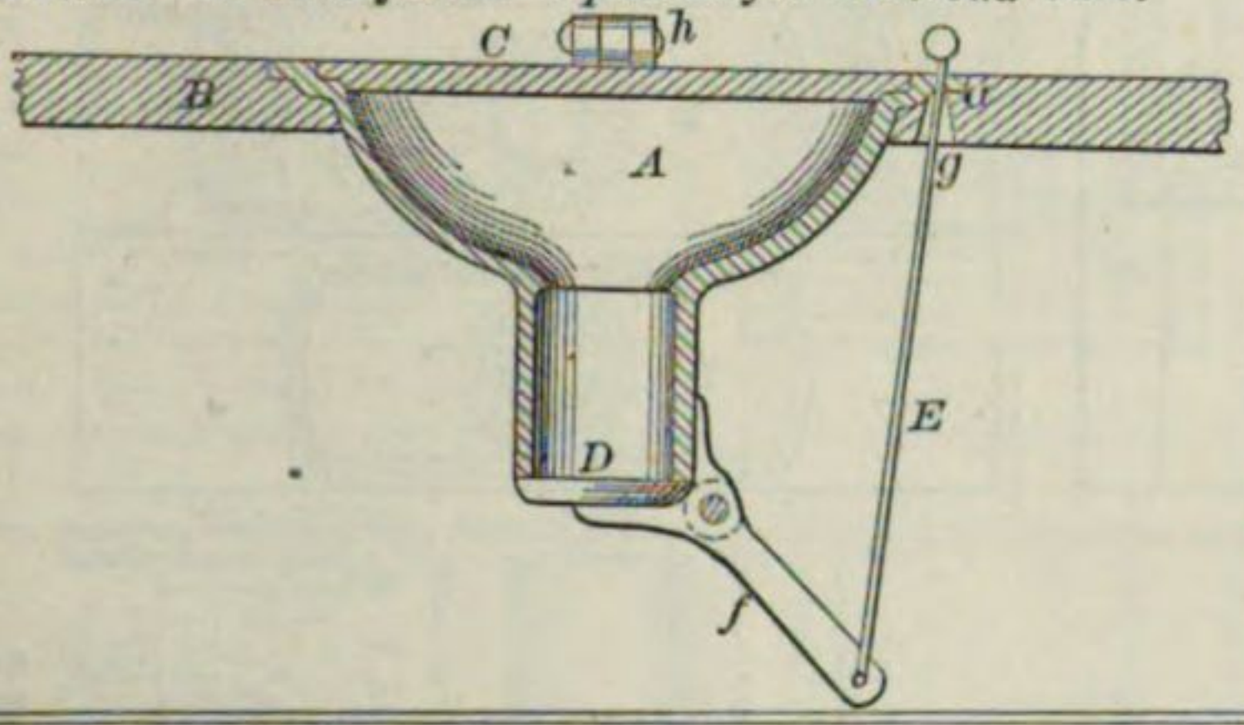
54611—J. F. Seiberling—*Harvester.*



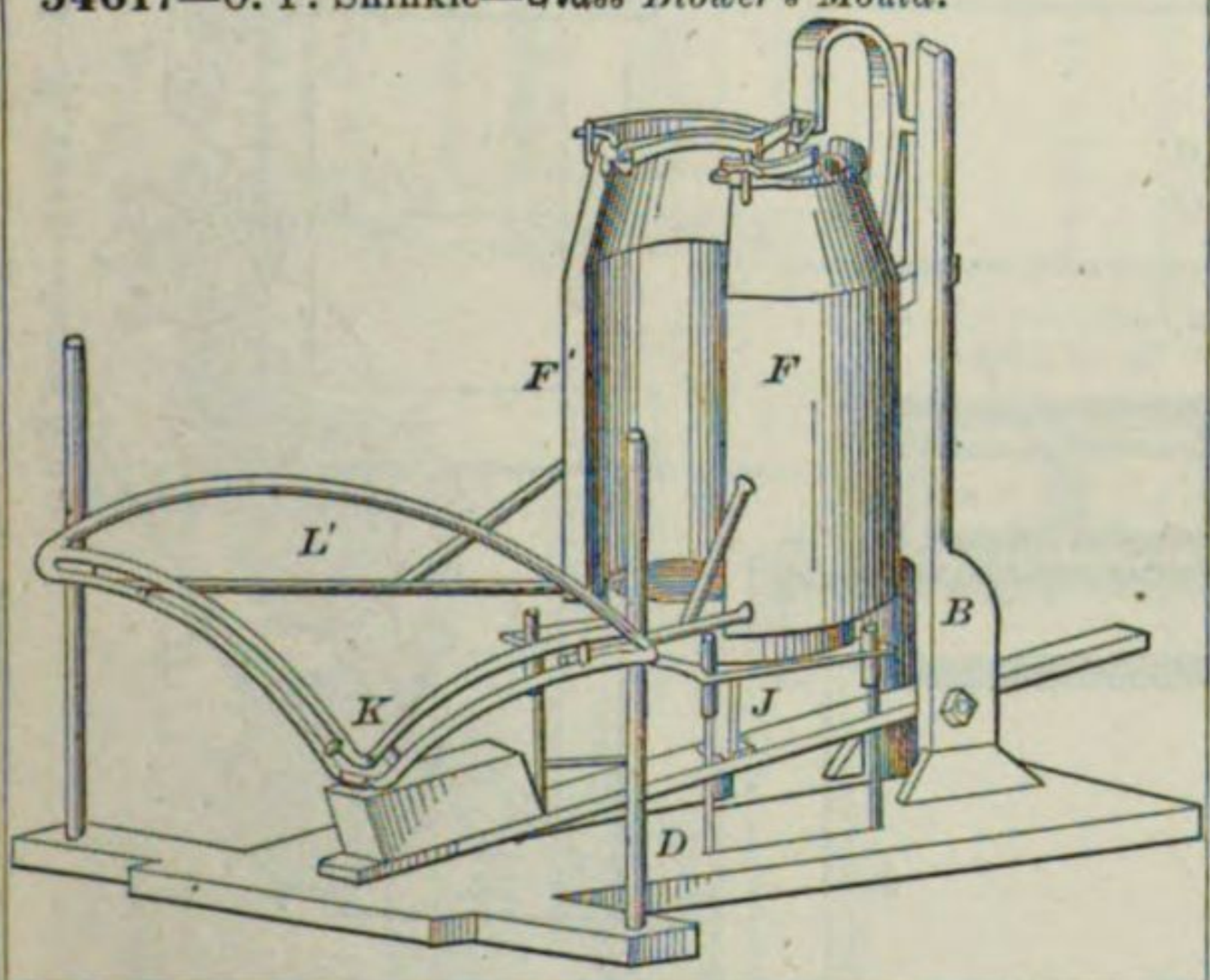
54612—A. J. Sellon—*Knife Cleaner.*



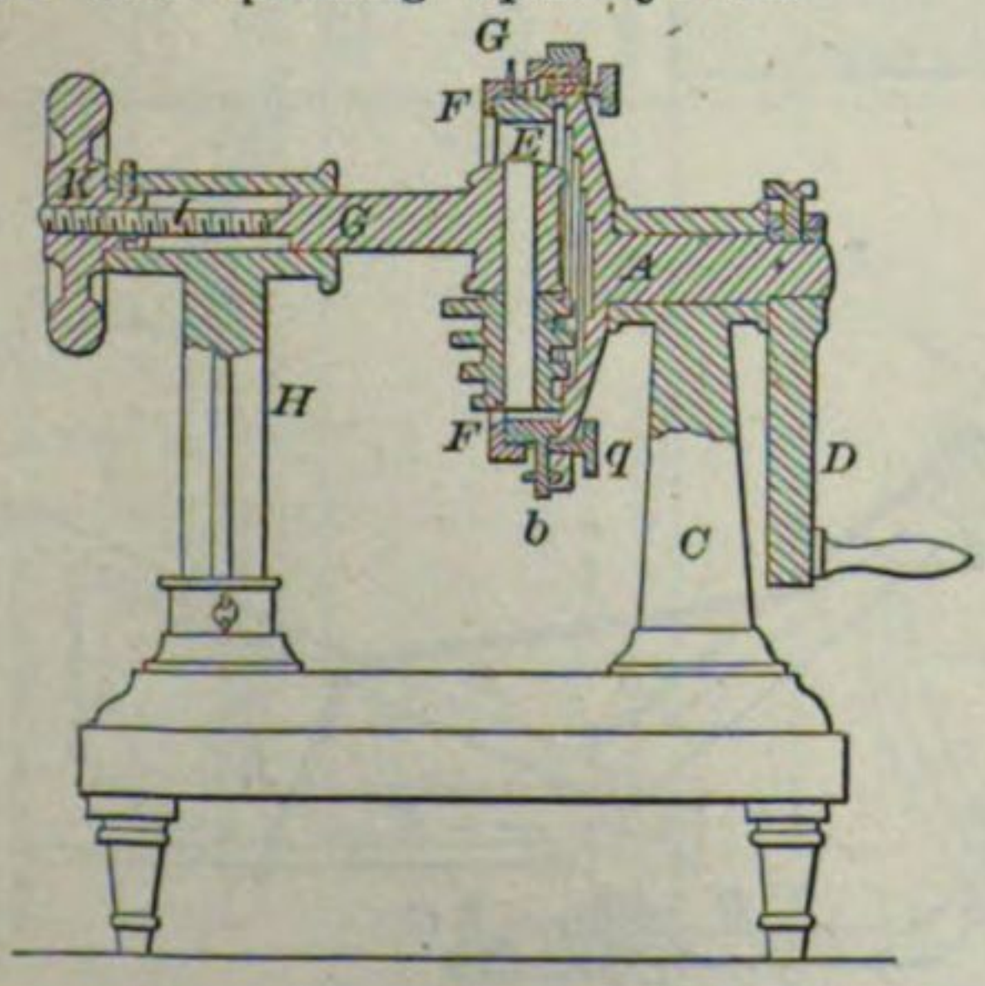
54613—J. H. Seymour—*Spittoon for Railroad Cars.*



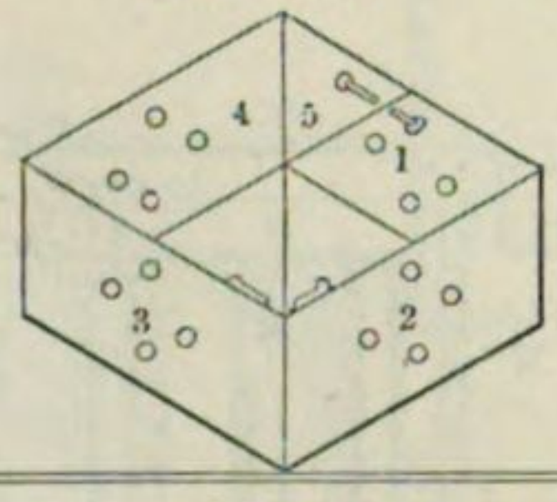
54617—O. P. Shinkle—*Glass Blower's Mould.*



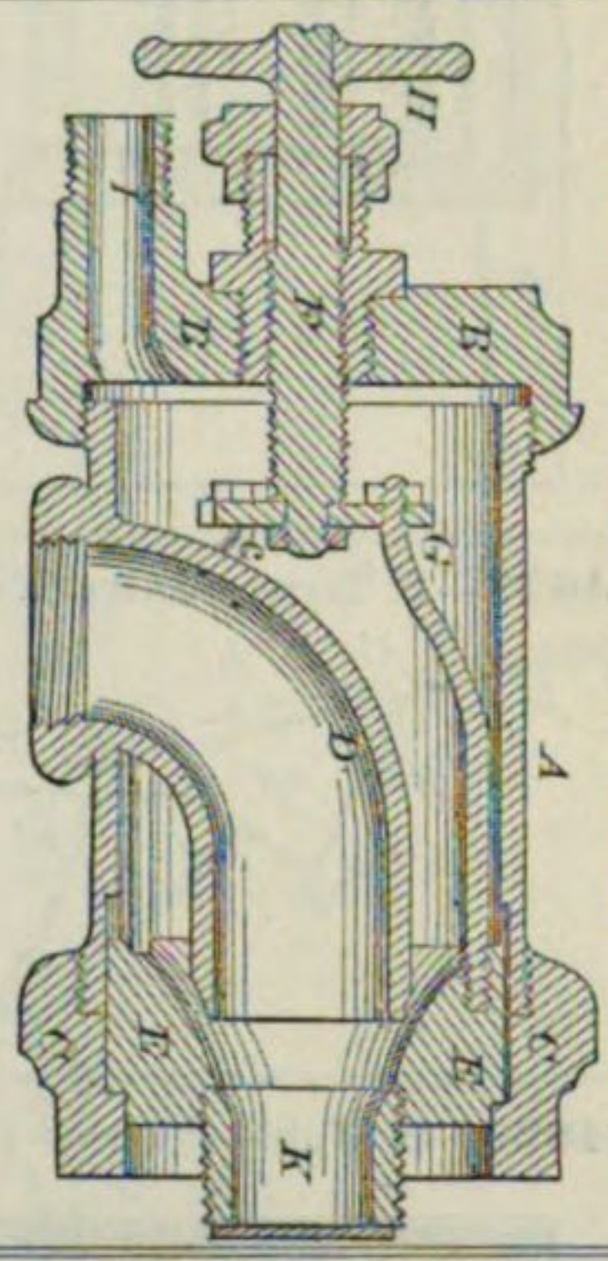
54621—C. F. Spaulding—*Spinning Metal.*



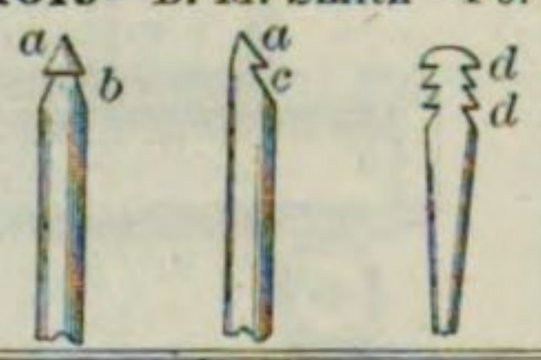
54614—Shepard & Lewis—*Fruit Box.*



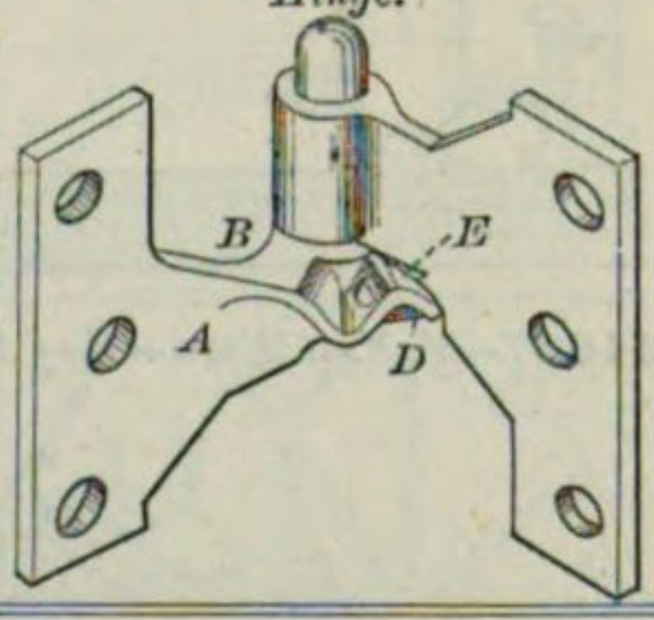
54615—D. M. Shapley—*Head for Pumps.*



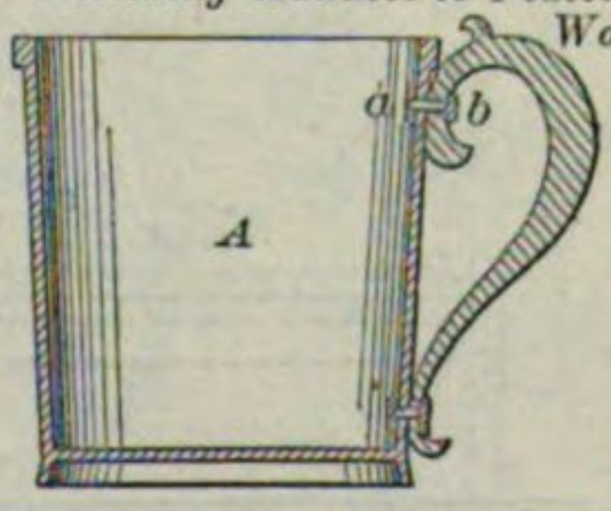
54619—B. M. Smith—*For Picking Cotton.*



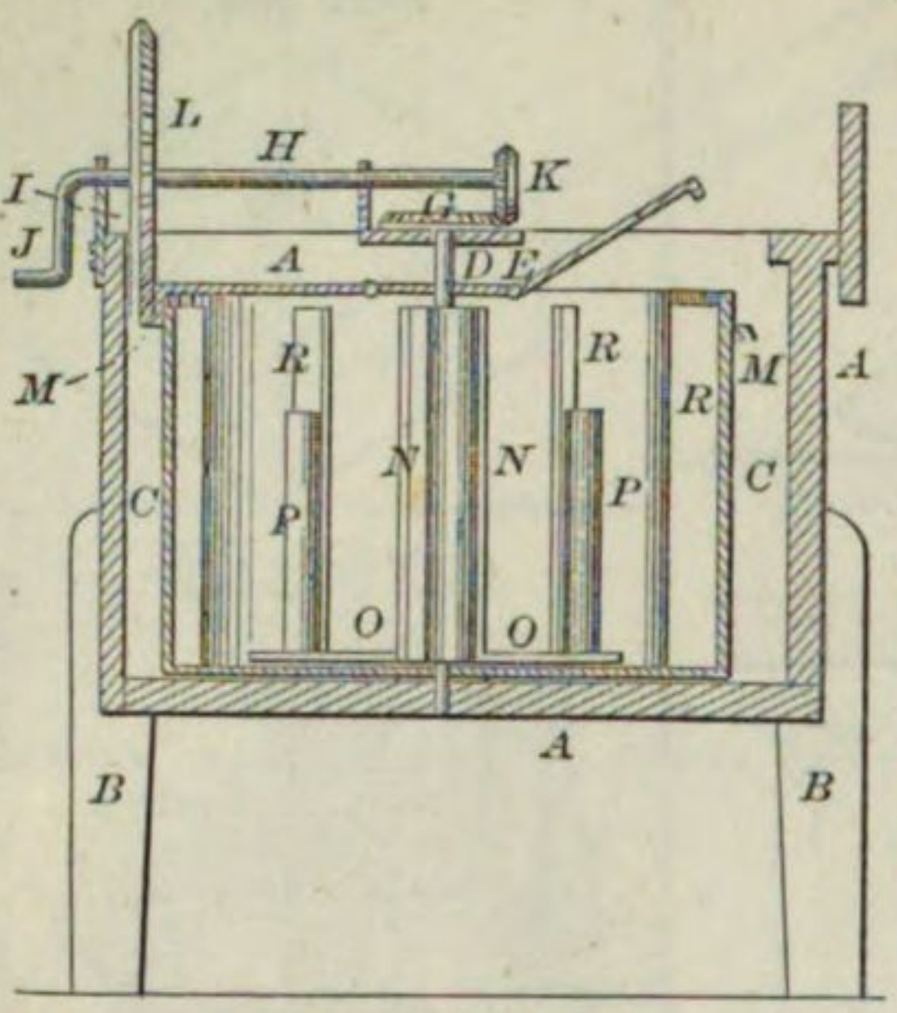
54618—J. Slusser—*Shutter Hinge.*



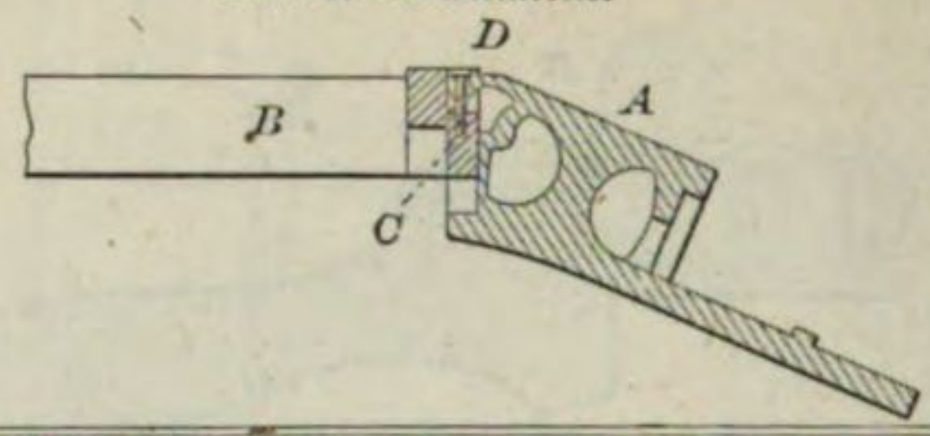
54620—Smith & Pomeroy—*Fastening Handles to Plated Ware.*



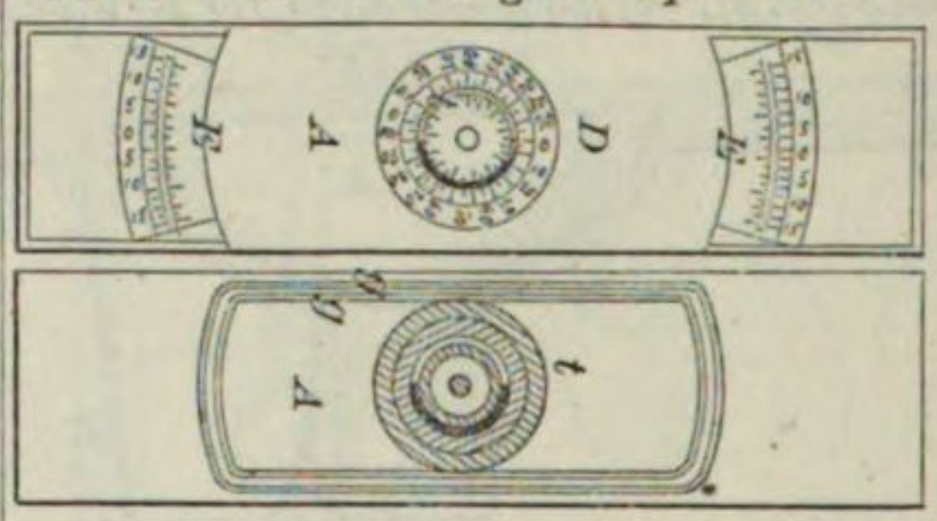
54622—M. W. Staples—*Washing Machine.*



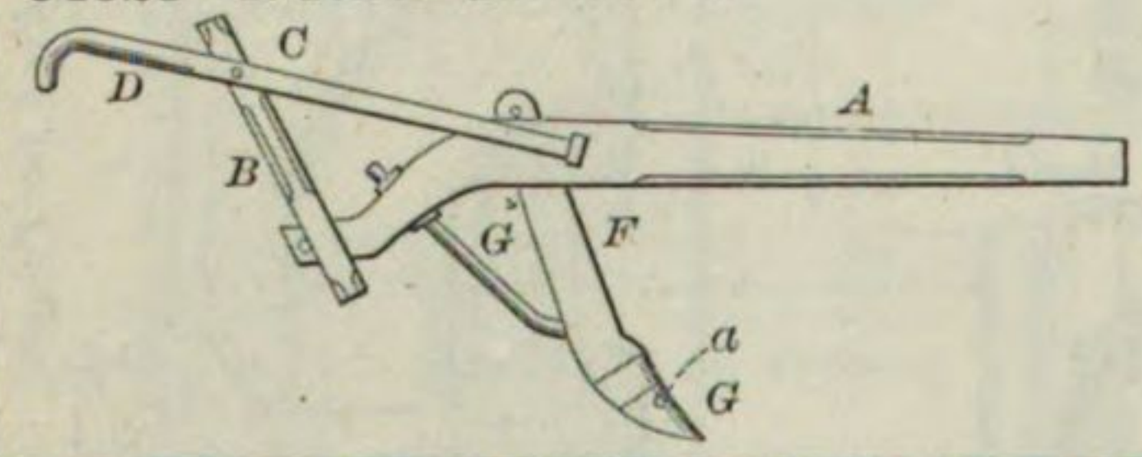
54624—D. C. Thresher—*Gun Stock and Barrel Attachment.*



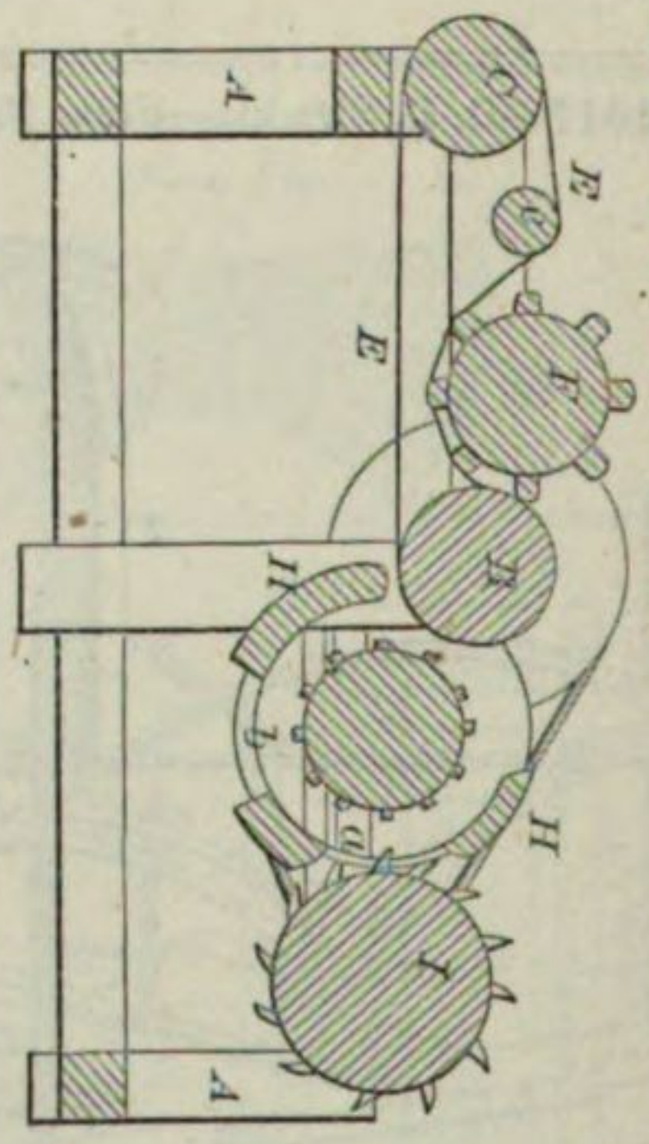
54626—A. J. Vandegrift—*Spirit Level.*



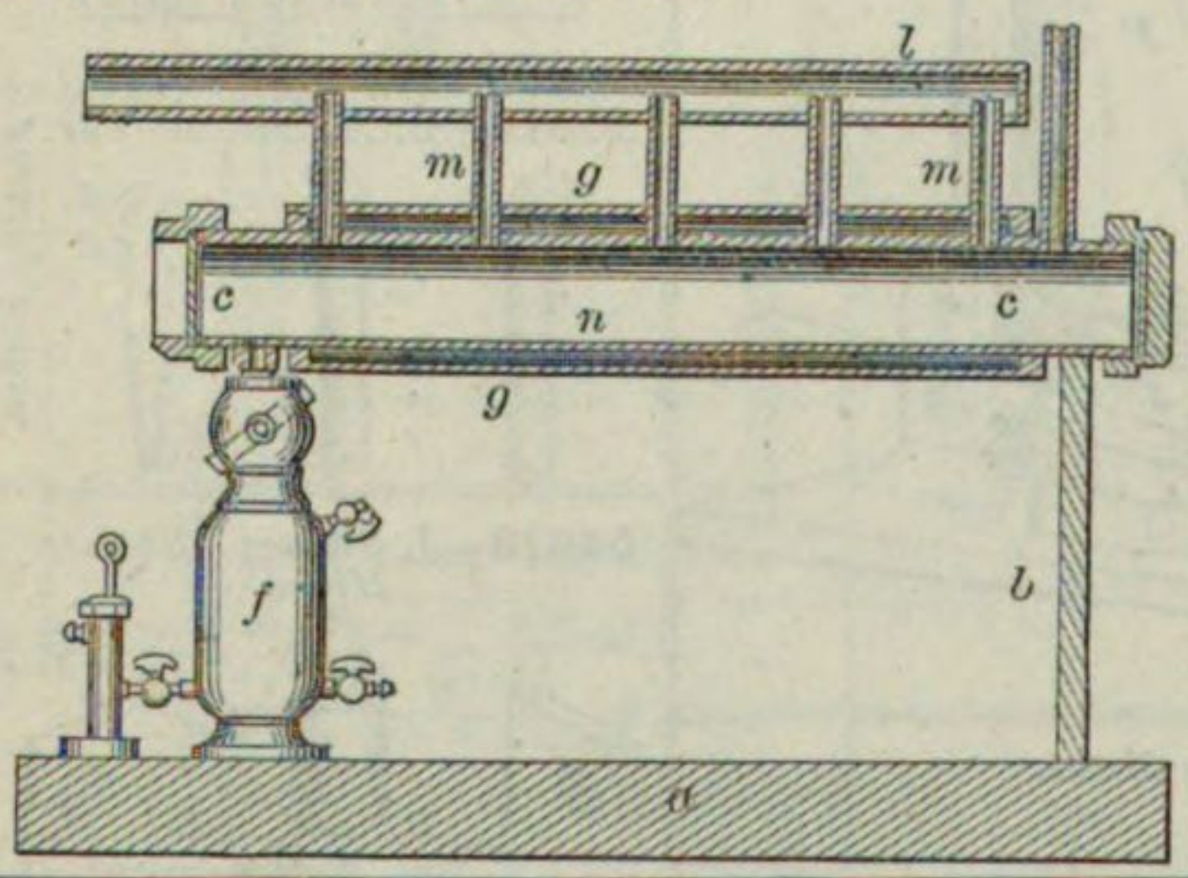
54623—T. Terrel—*Shovel Plow.*



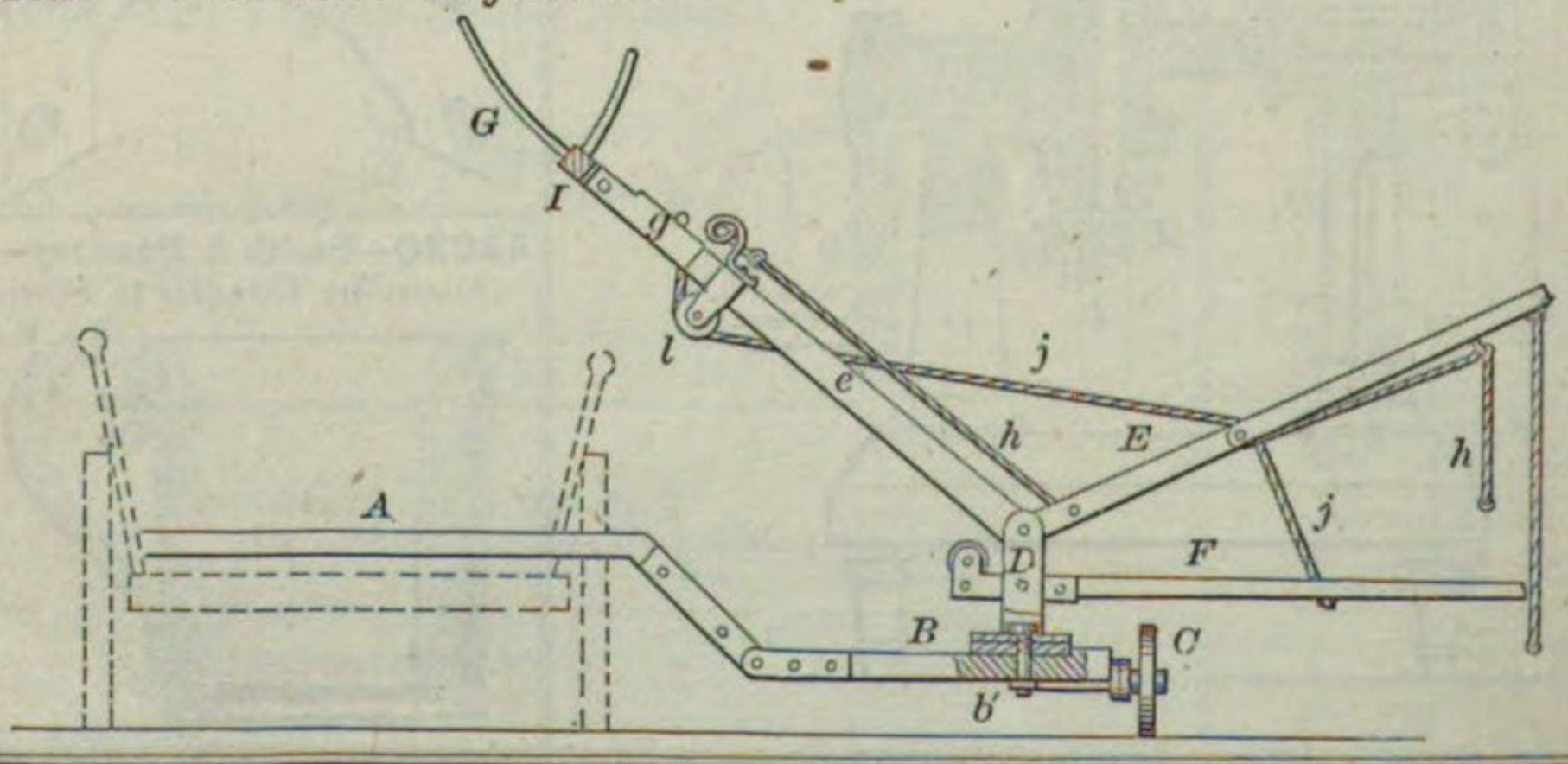
54625—E. Town—*Cotton Gin.*



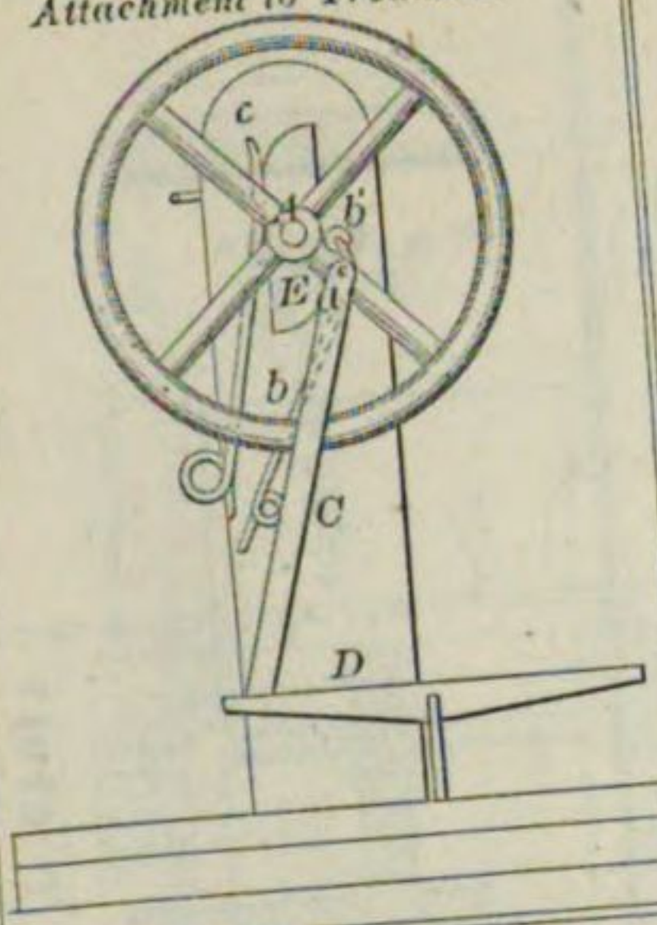
54629—C. Wahl—*Vacuum Pan.*



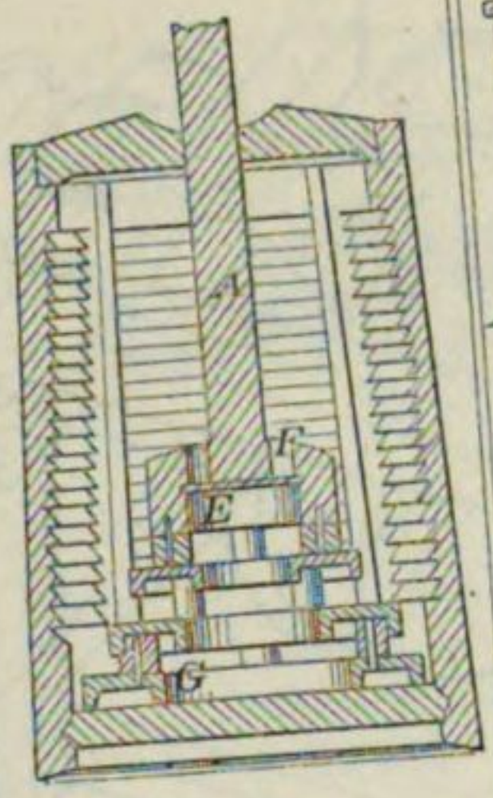
54627—F. Van Etten—*Hay Loader.*



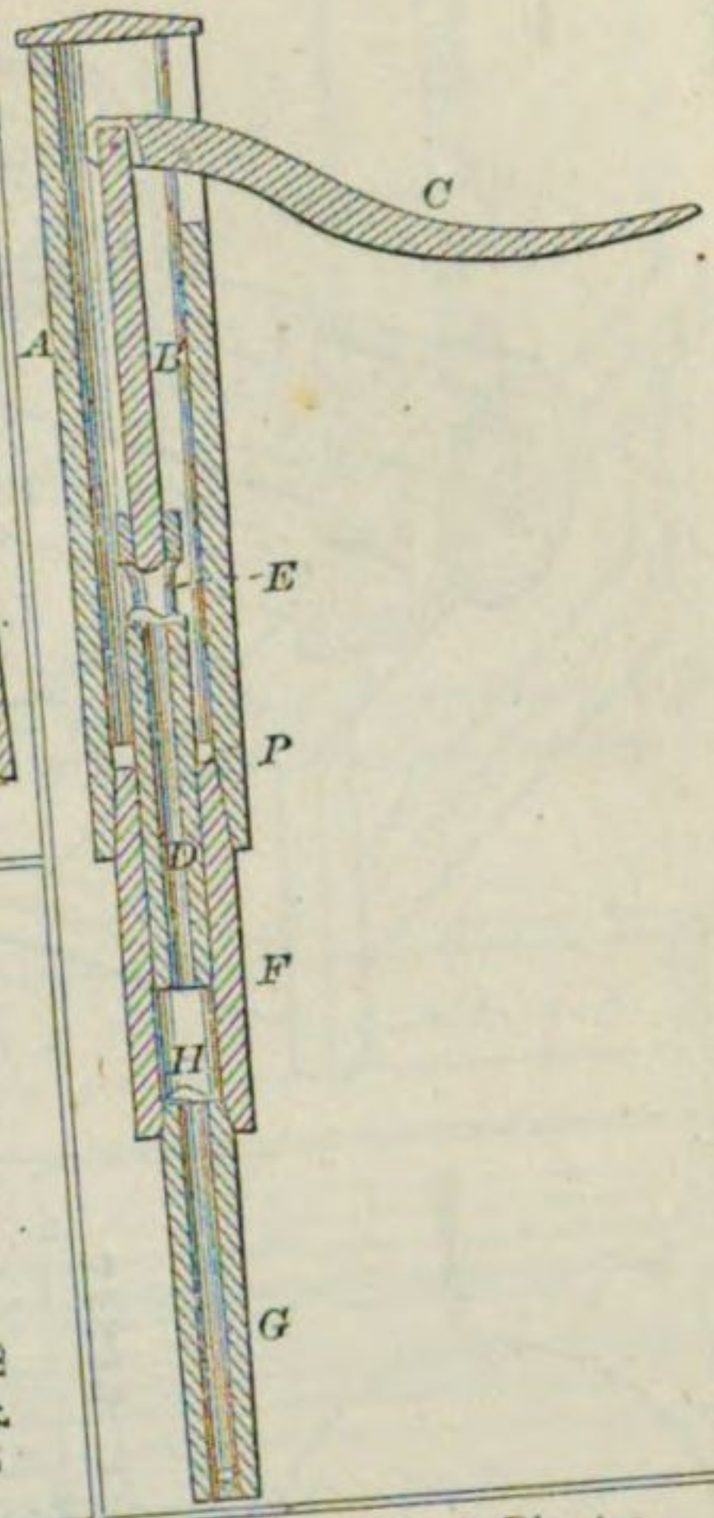
54630—A. Warth—
Attachment to Treadles.



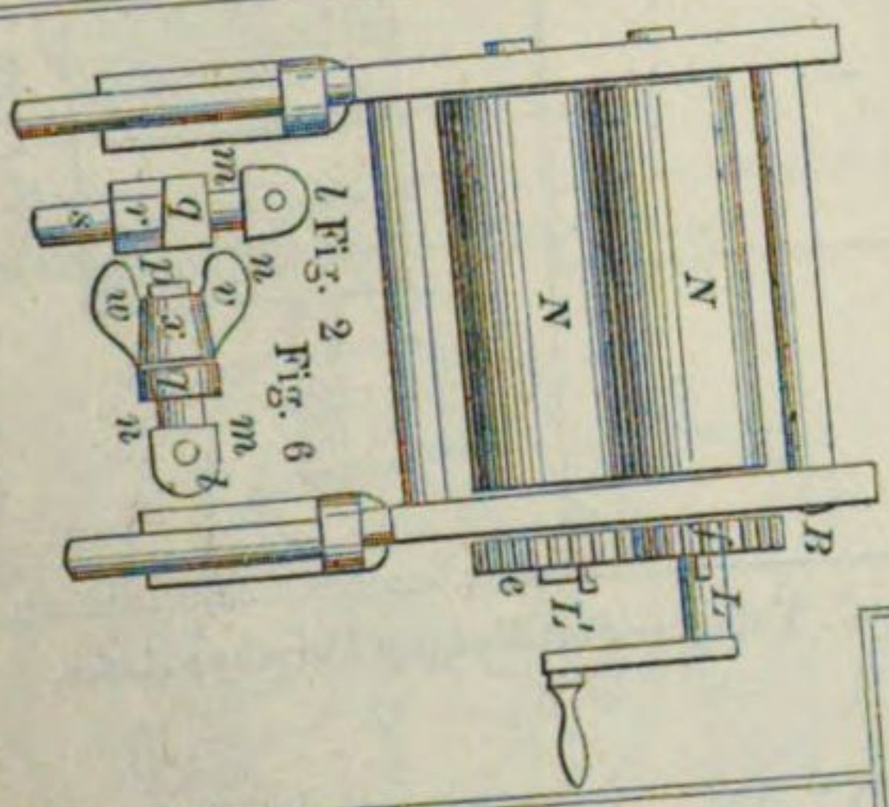
54632—H. W. White—
Churn.



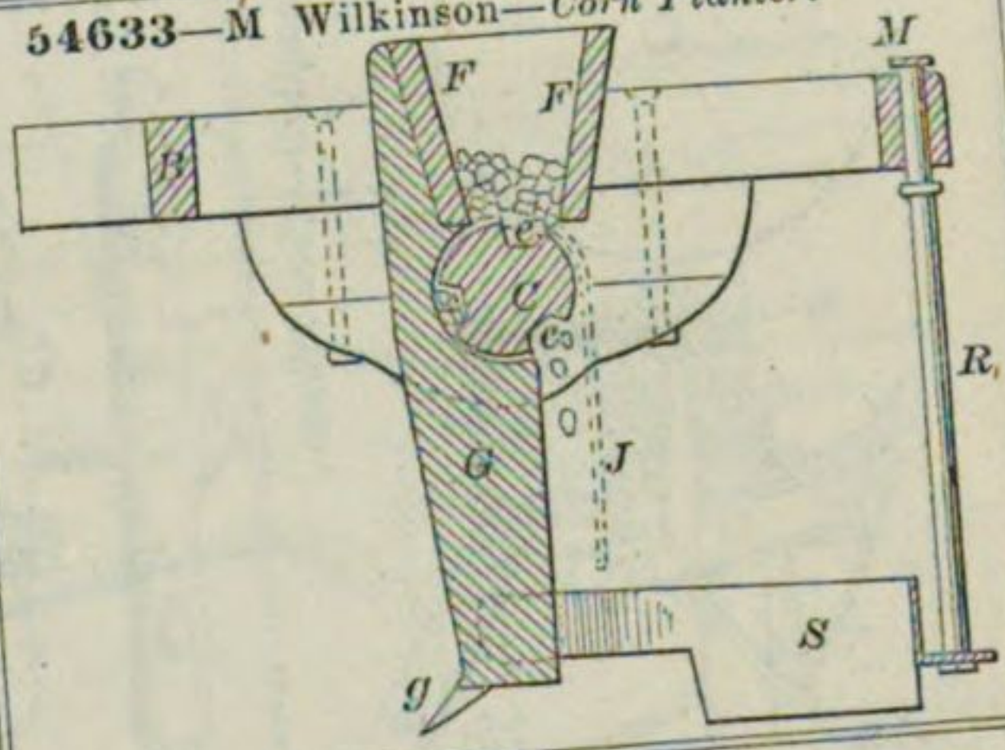
54636—D. S. Wood—*Pump.*



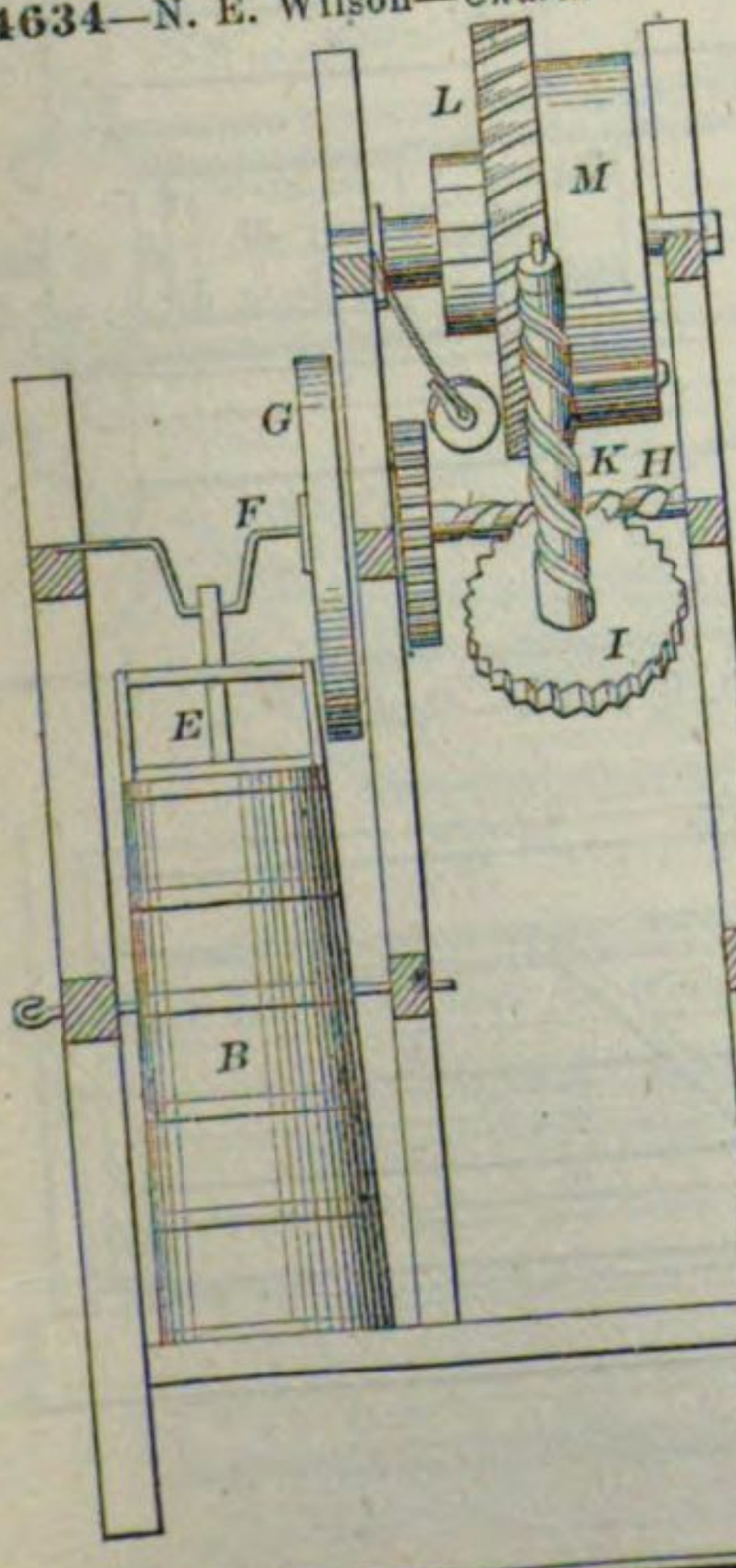
54631—H. Wehle—*Clothes Wringer.*



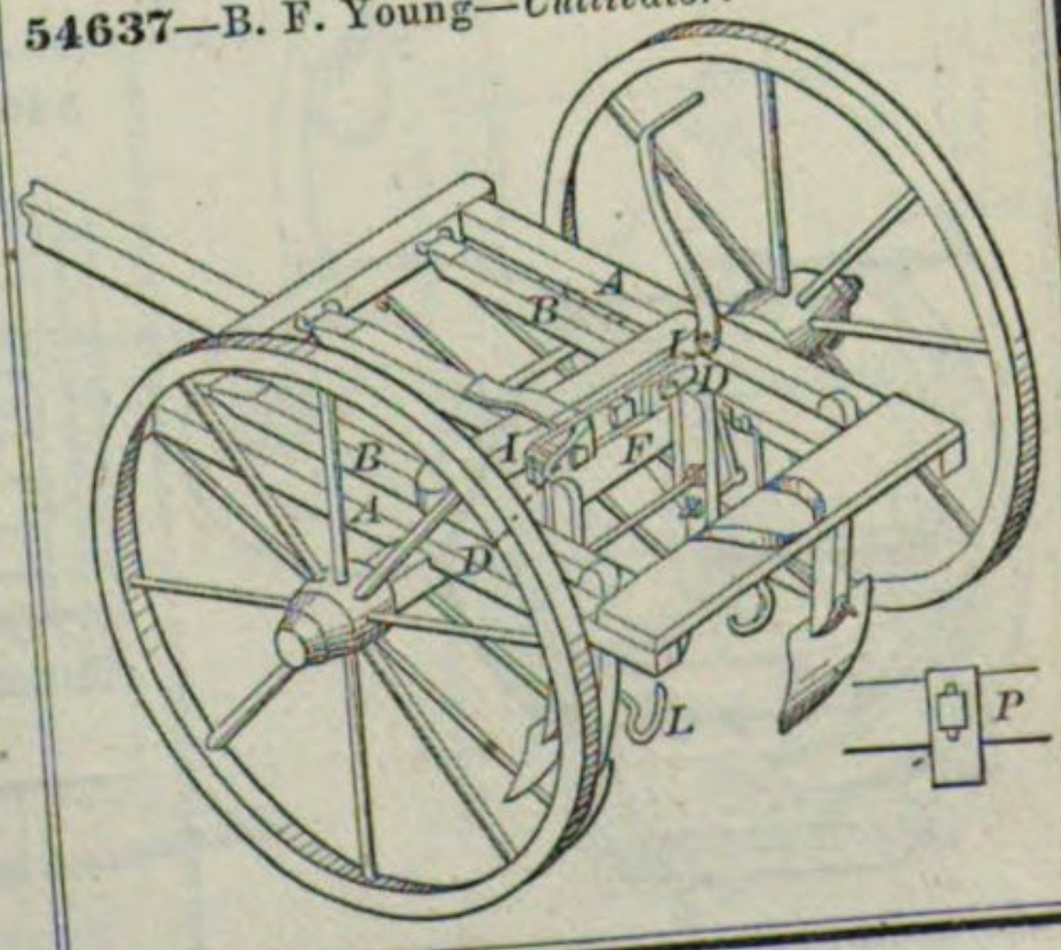
54633—M Wilkinson—*Corn Planter.*



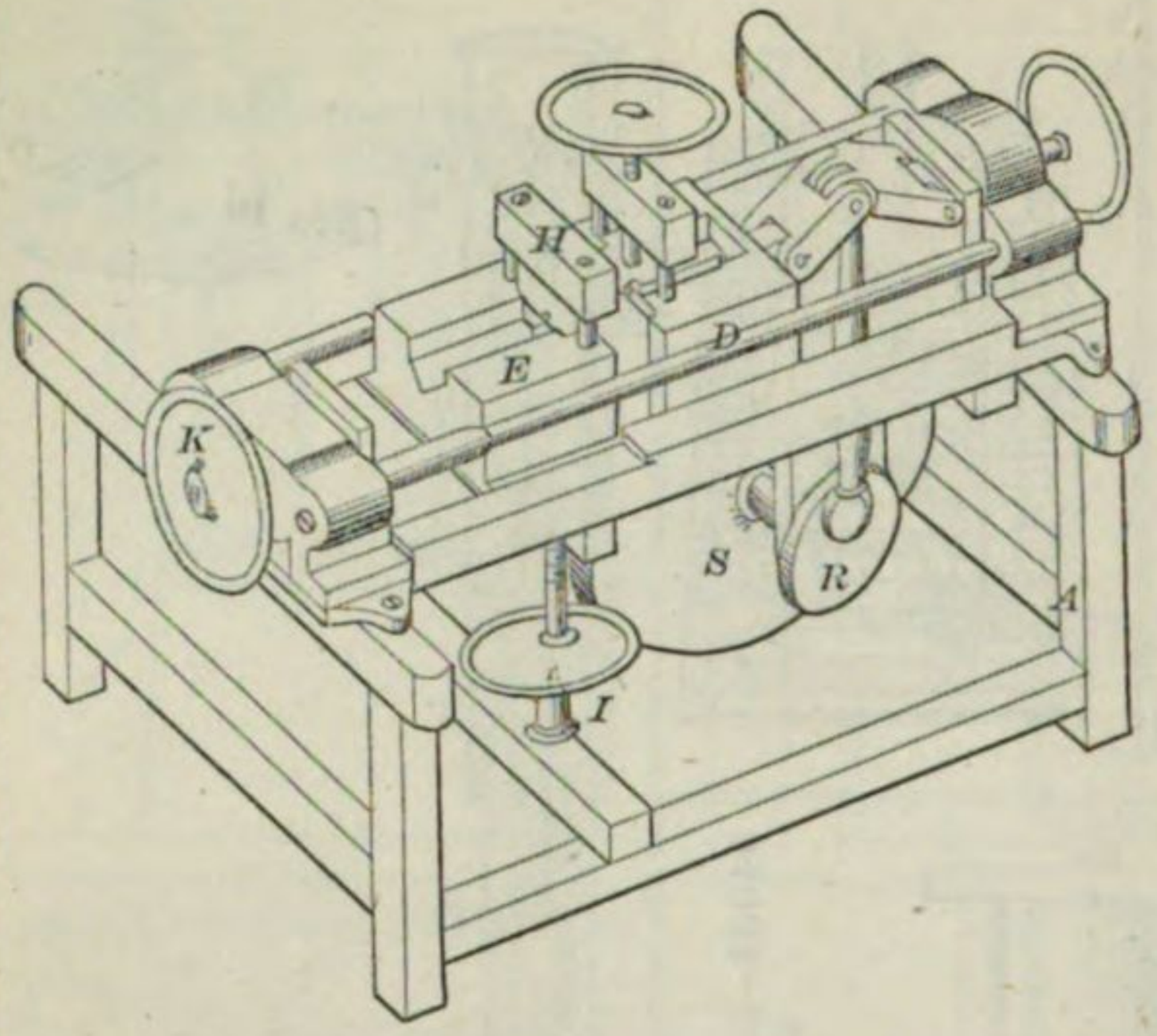
54634—N. E. Wilson—*Churn.*



54637—B. F. Young—*Cultivator.*

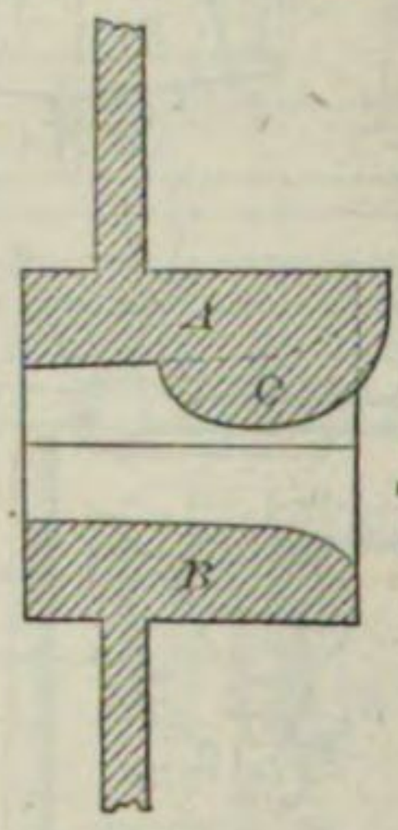


54638—C. Young—*For Making Carriage Wheels.*

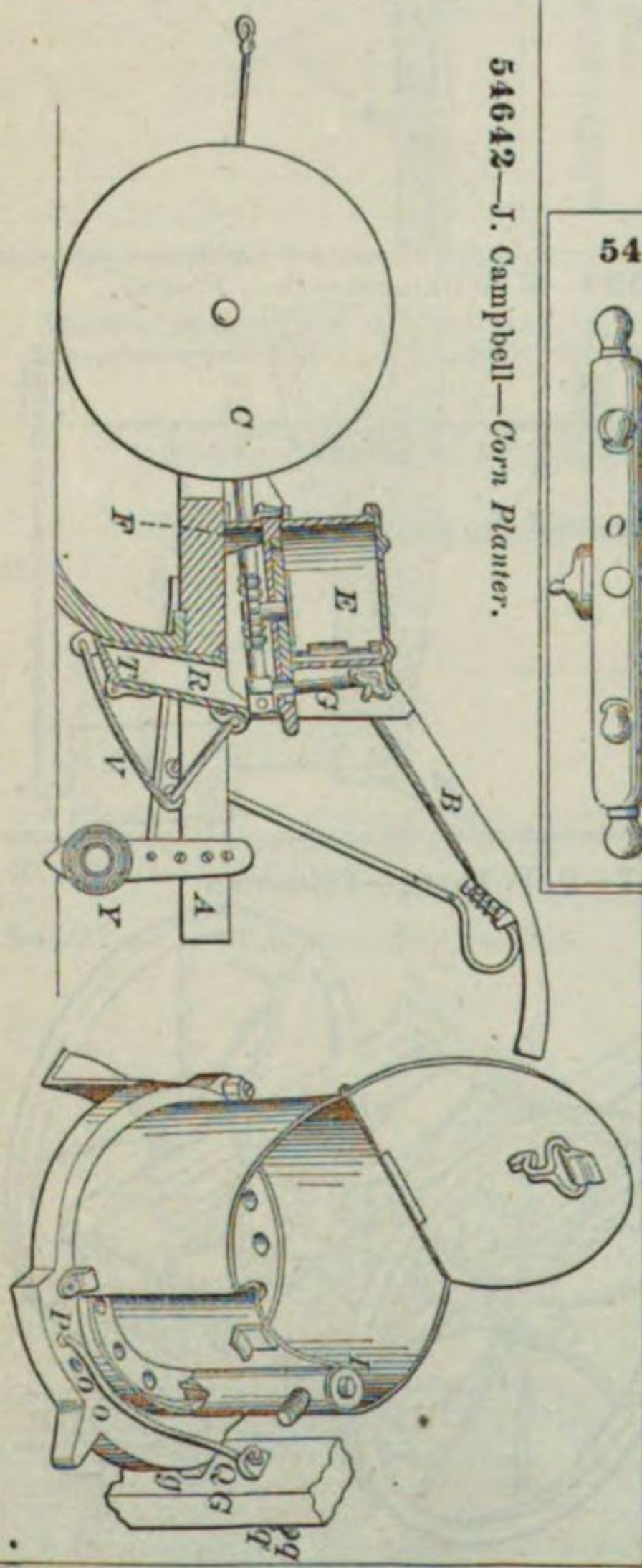


54640—J. Adt—*Corkscrew.*

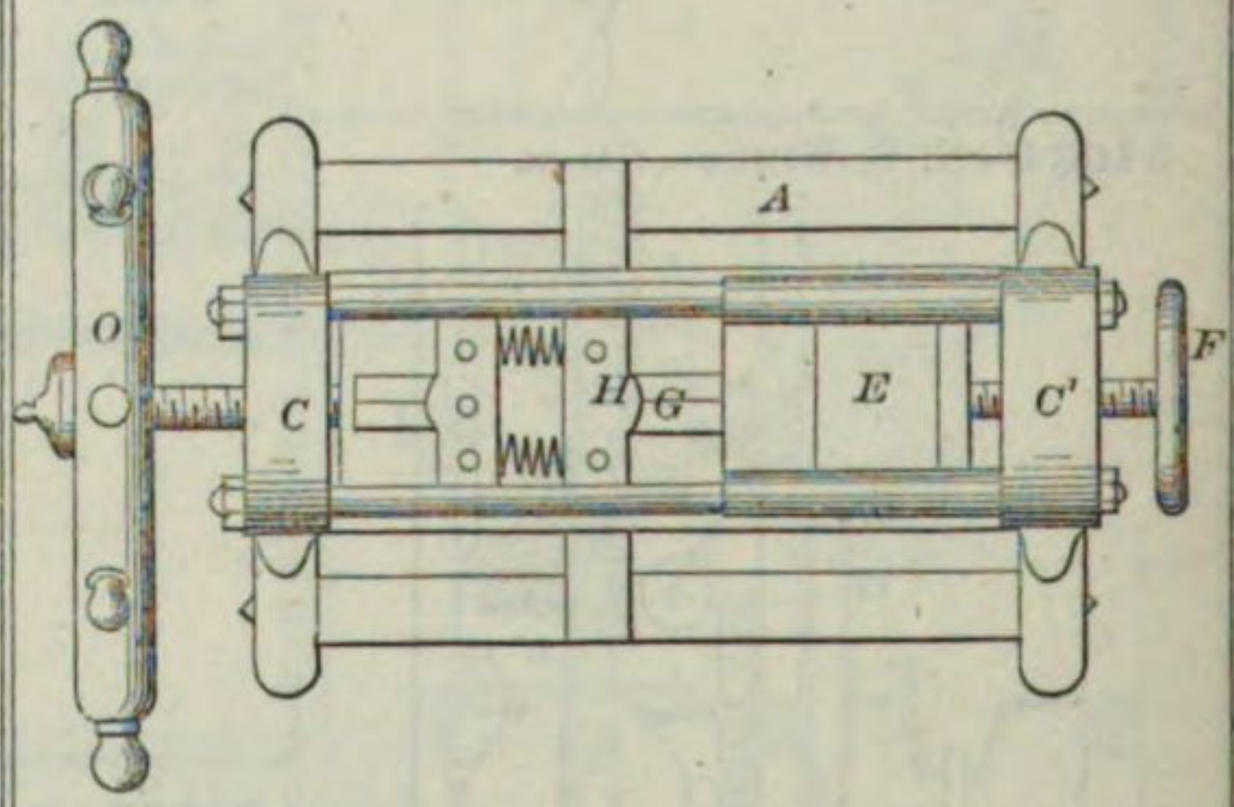
54643—J. Fieldhouse—*Die for Forming Gas Pipes.*



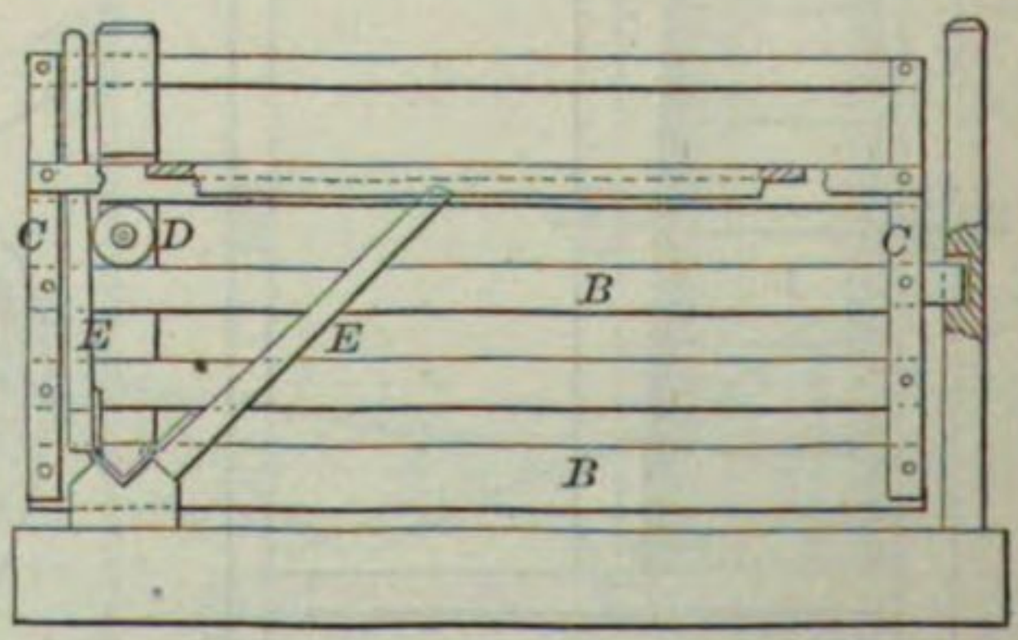
54642—J. Campbell—*Corn Planter.*



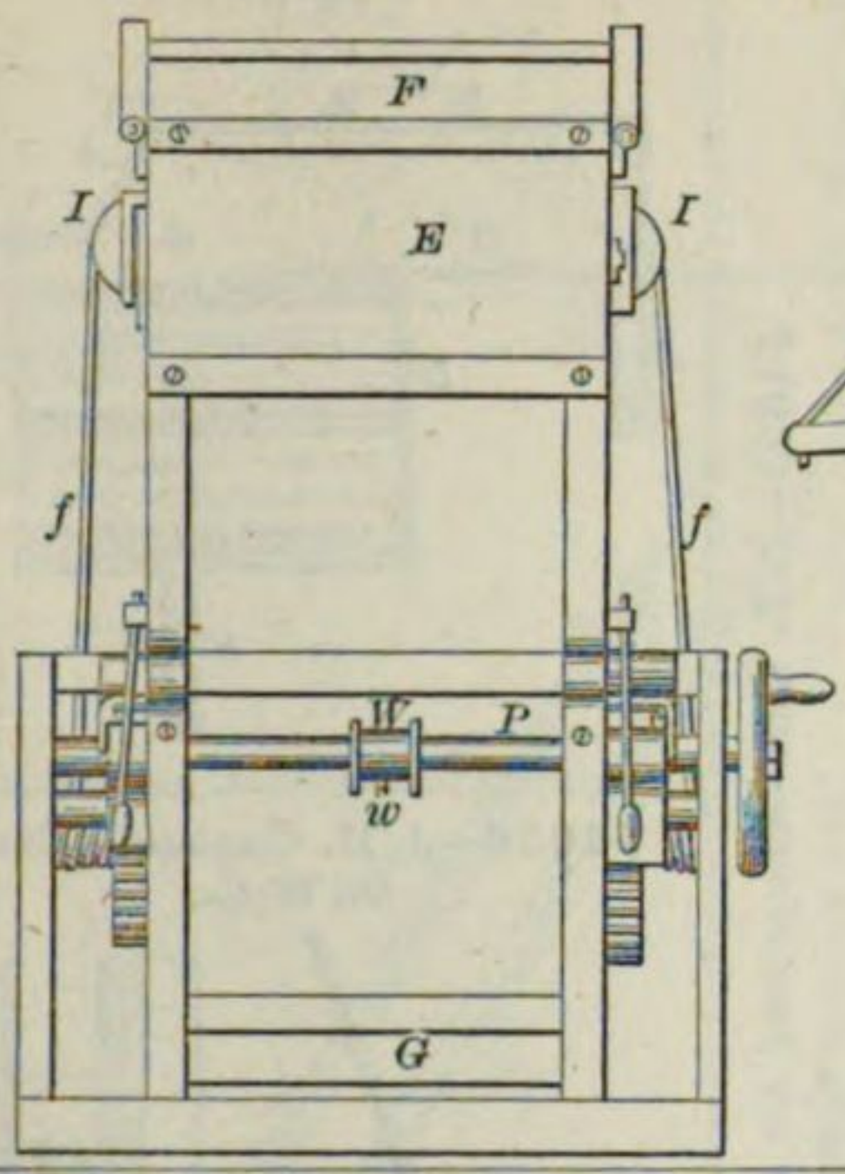
54639—C. Young—*For Making Carriage Axles.*

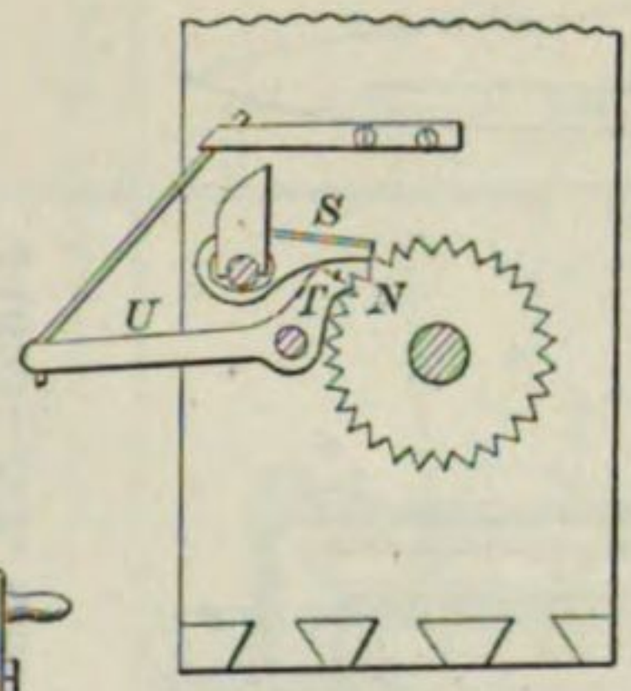


54641—D. B. Baker—*Gate.*



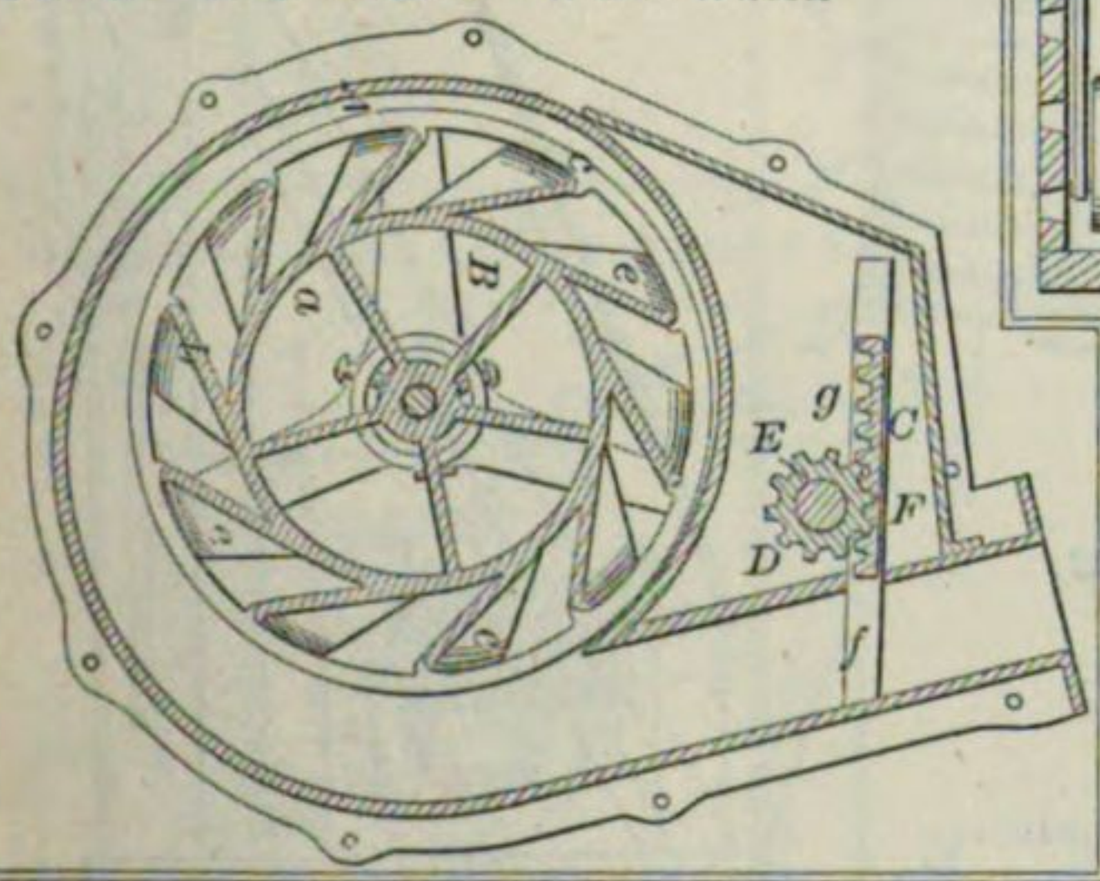
54644—Frisbie & Goodsell—*Baling Press.*



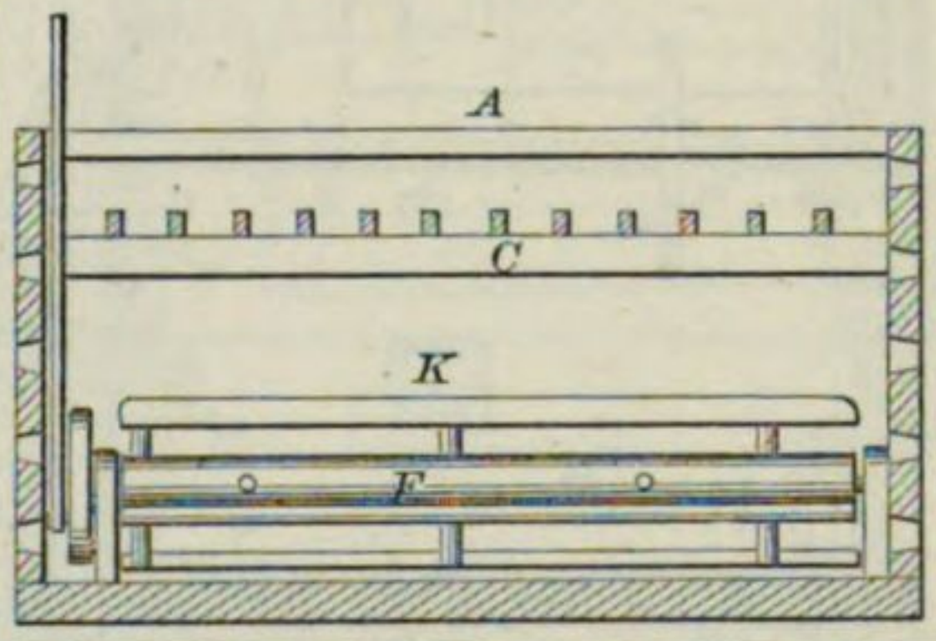


54646—J. W. Hoard—*Eyelet Stock.*

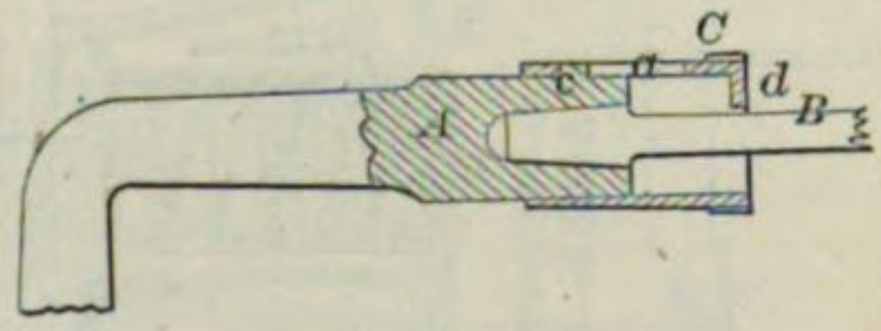
54645—J. A Hanson—*Water Wheel.*



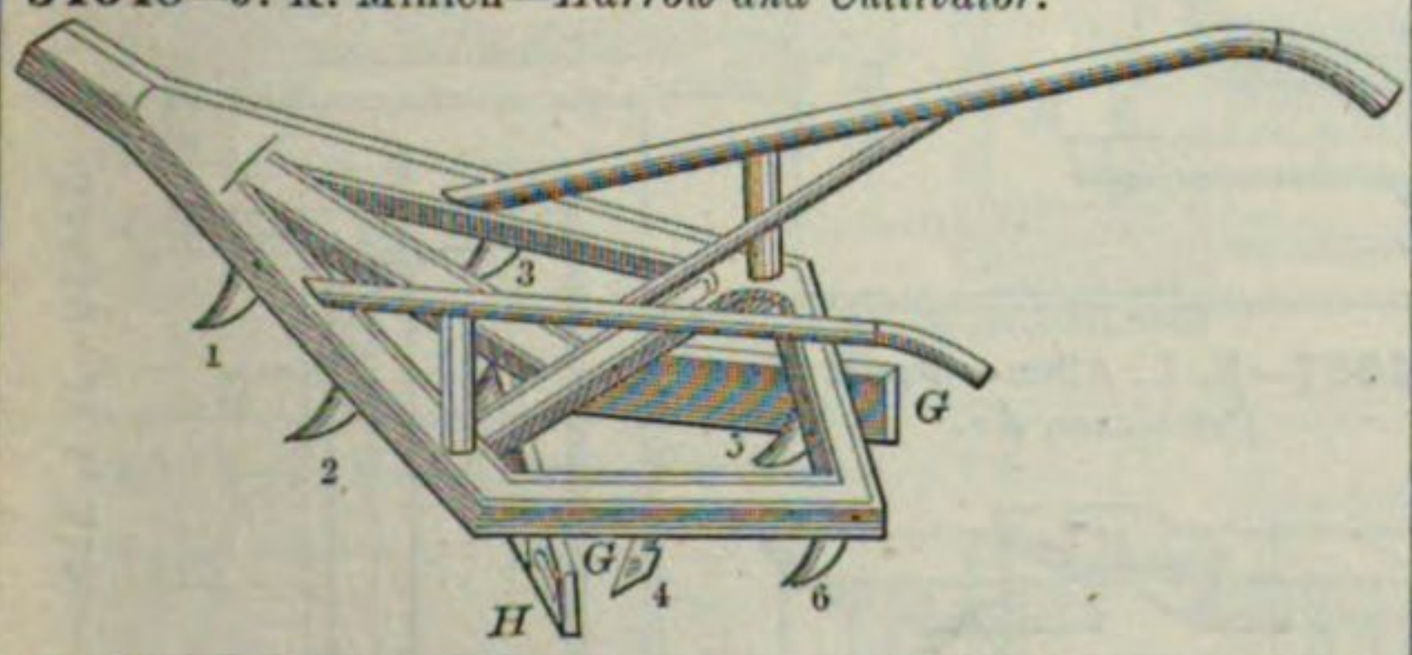
54647—W. La Dew—*Vat for Tanning.*



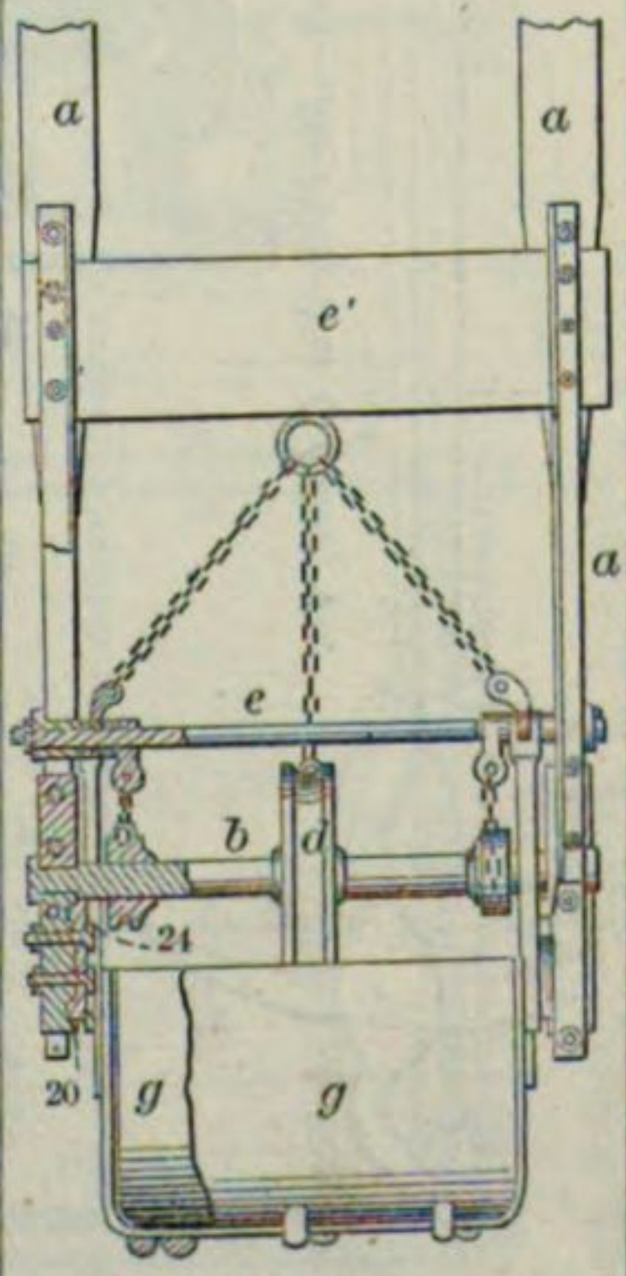
54650—O. Peck—*Bit Brace.*



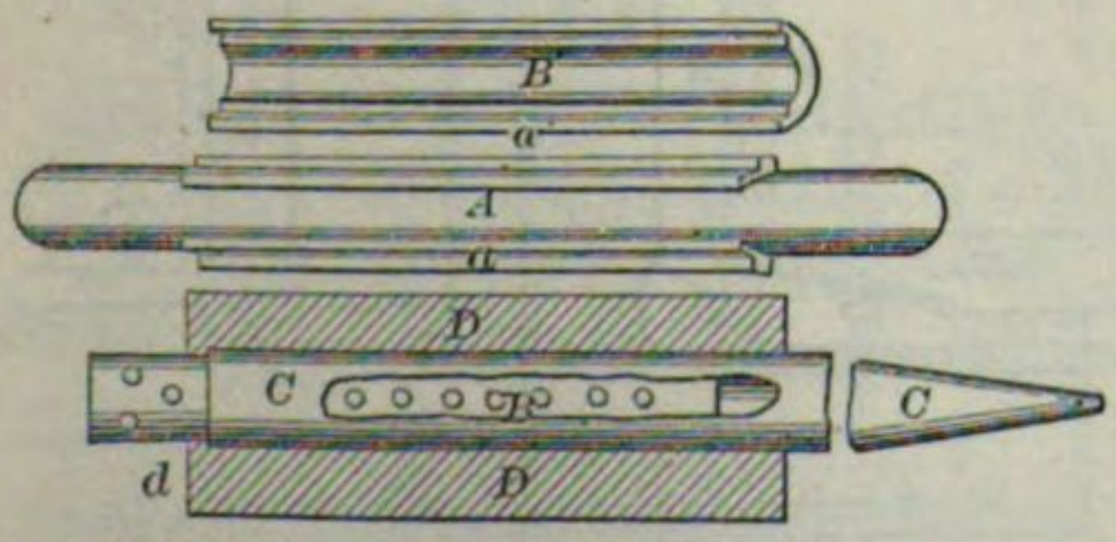
54648—J. K. Minich—*Harrow and Cultivator.*



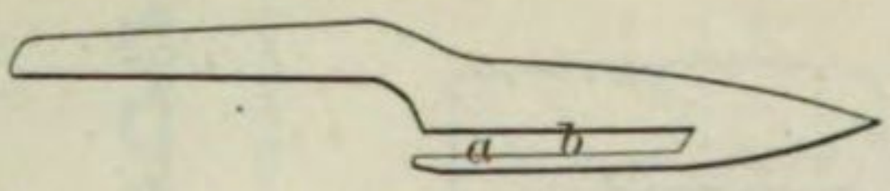
54649—A. T. Morris—*Scoop for Excavating.*



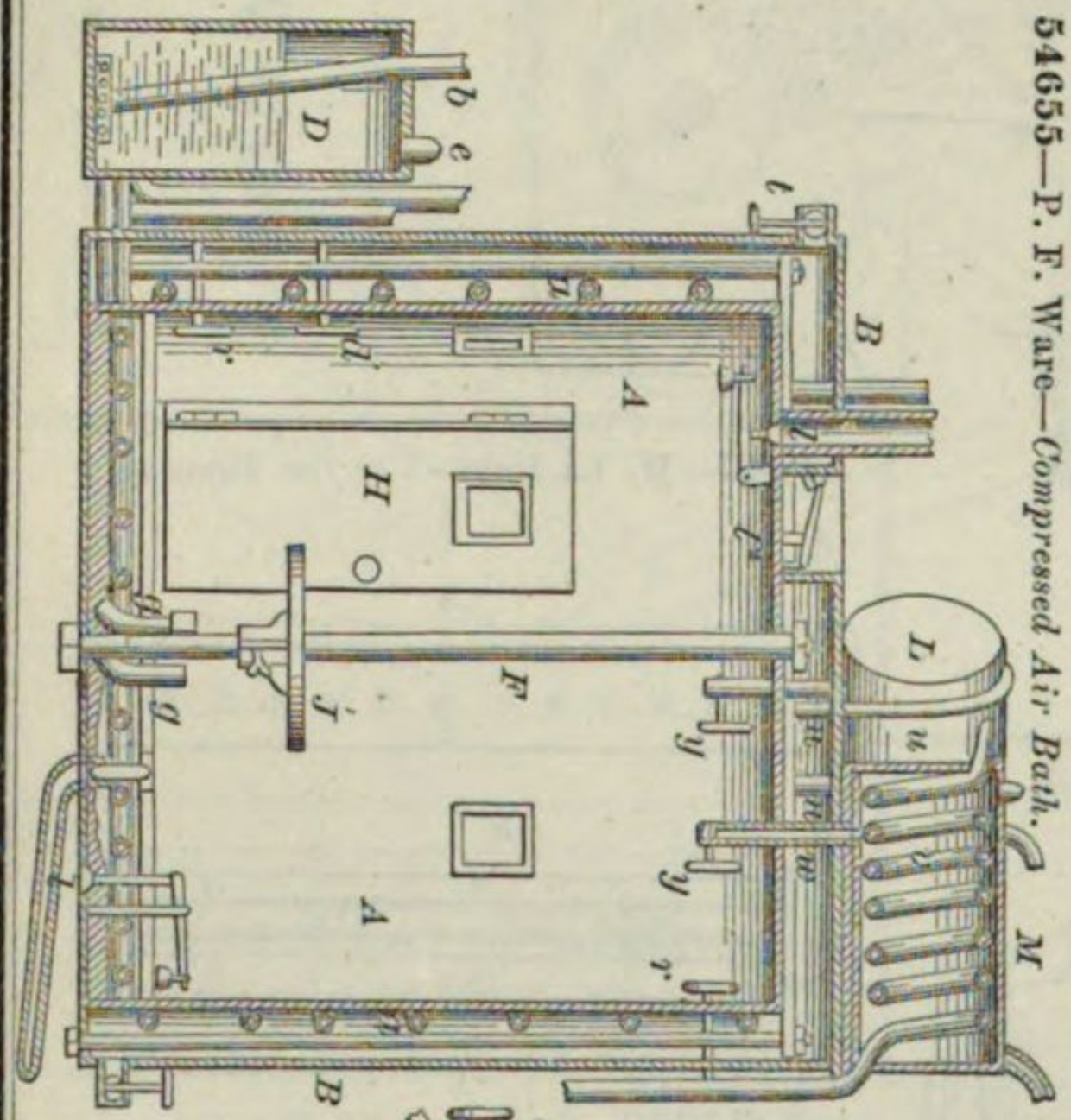
54651—H. Robbins—*Roll for Wringers.*

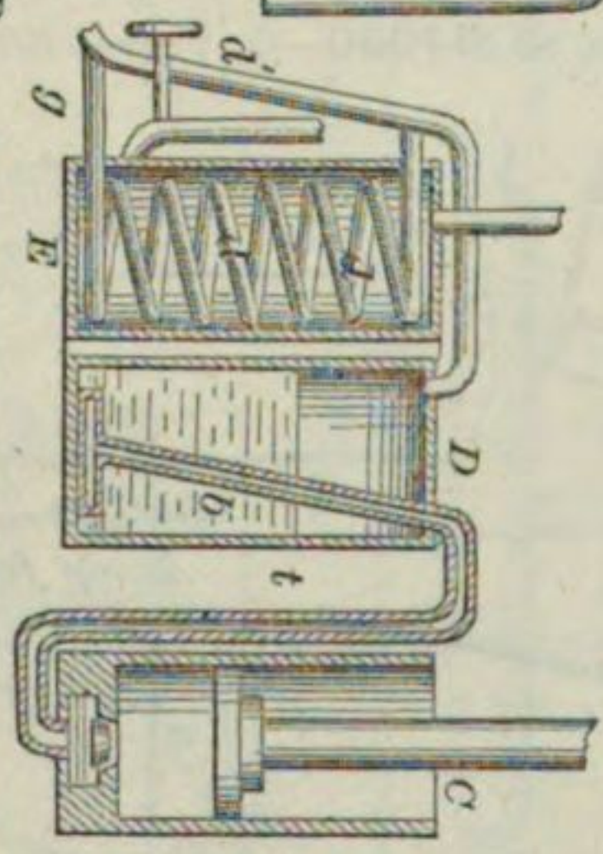


54652—A. Simonds—*Mowing Machine Guard.*

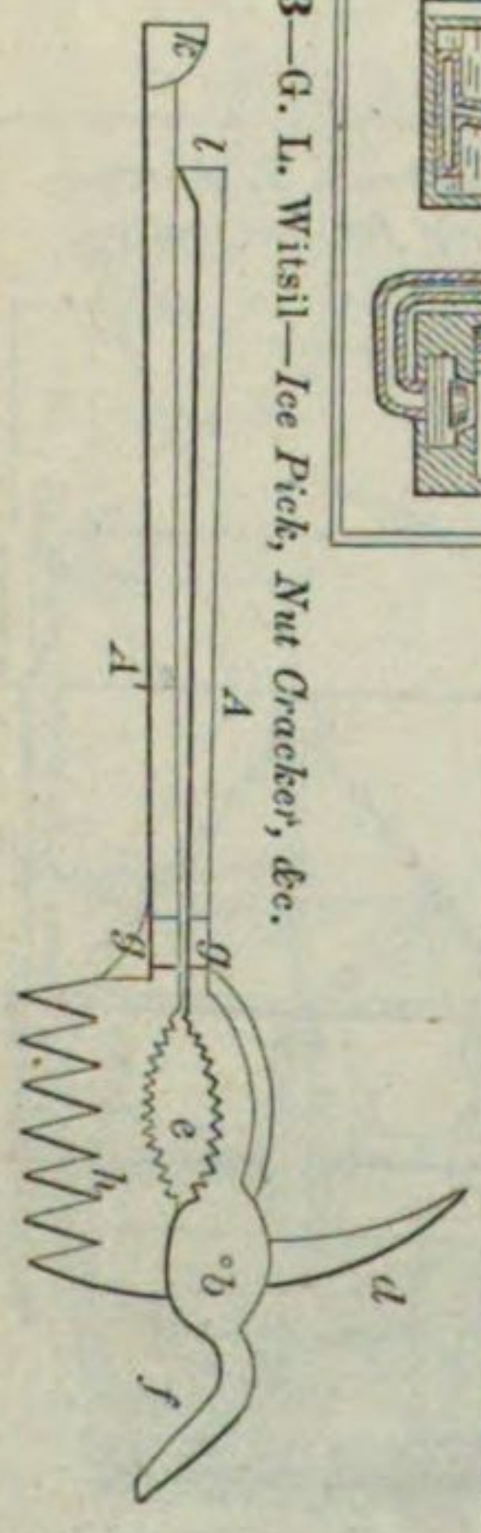


54655—P. F. Ware—*Compressed Air Bath.*

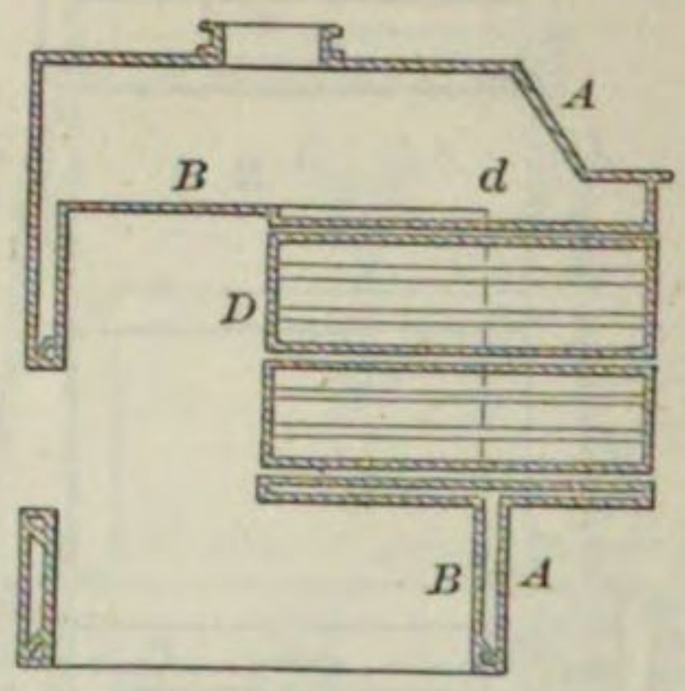




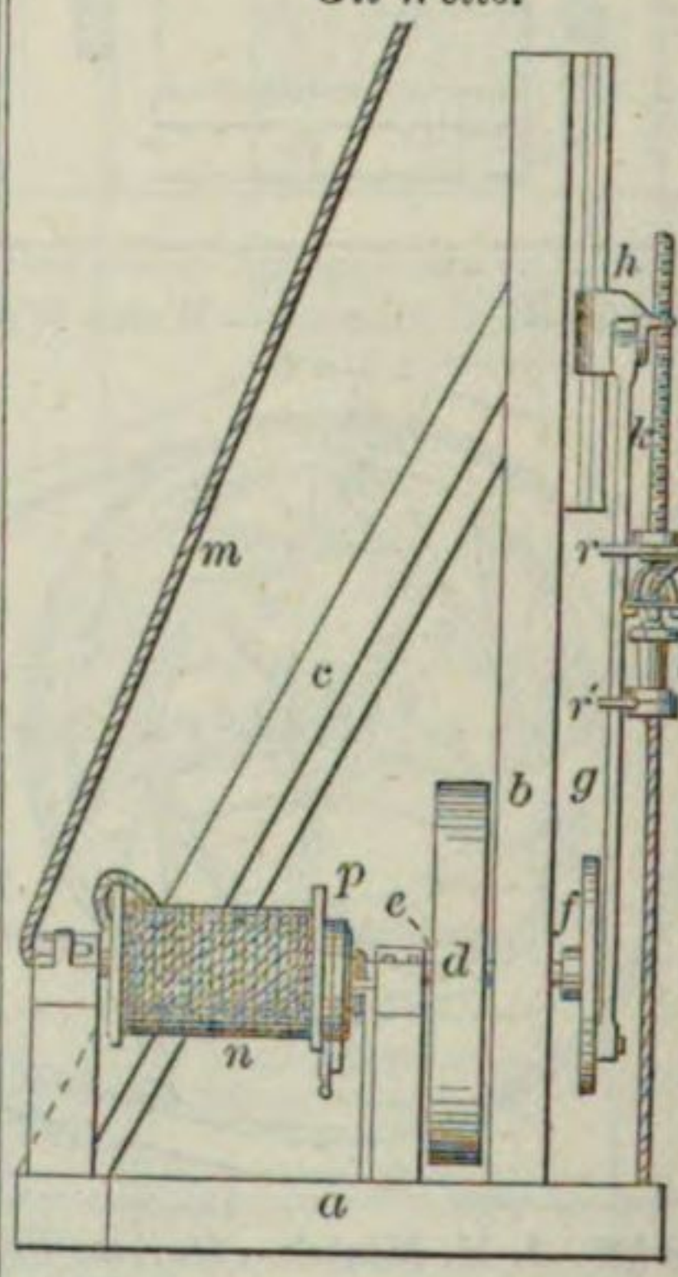
54653—G. L. Witsil—*Ice Pick, Nut Cracker, &c.*



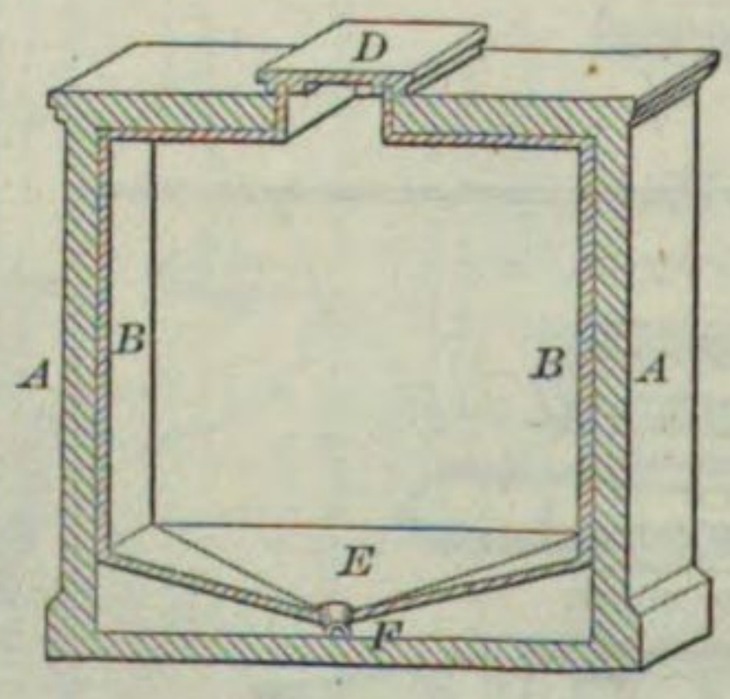
54654—W. Zellner—*Steam Generator.*



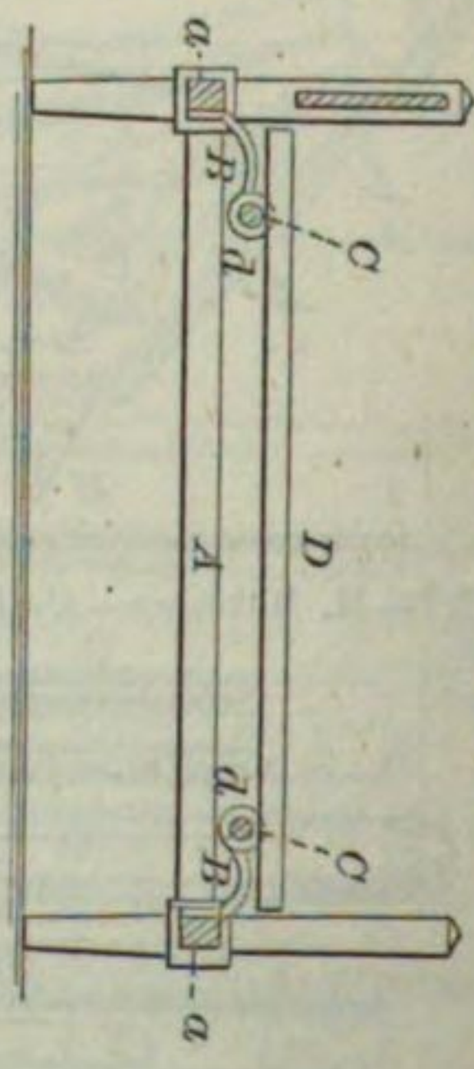
54656—J. H. Clapham—*Boring Oil Wells.*



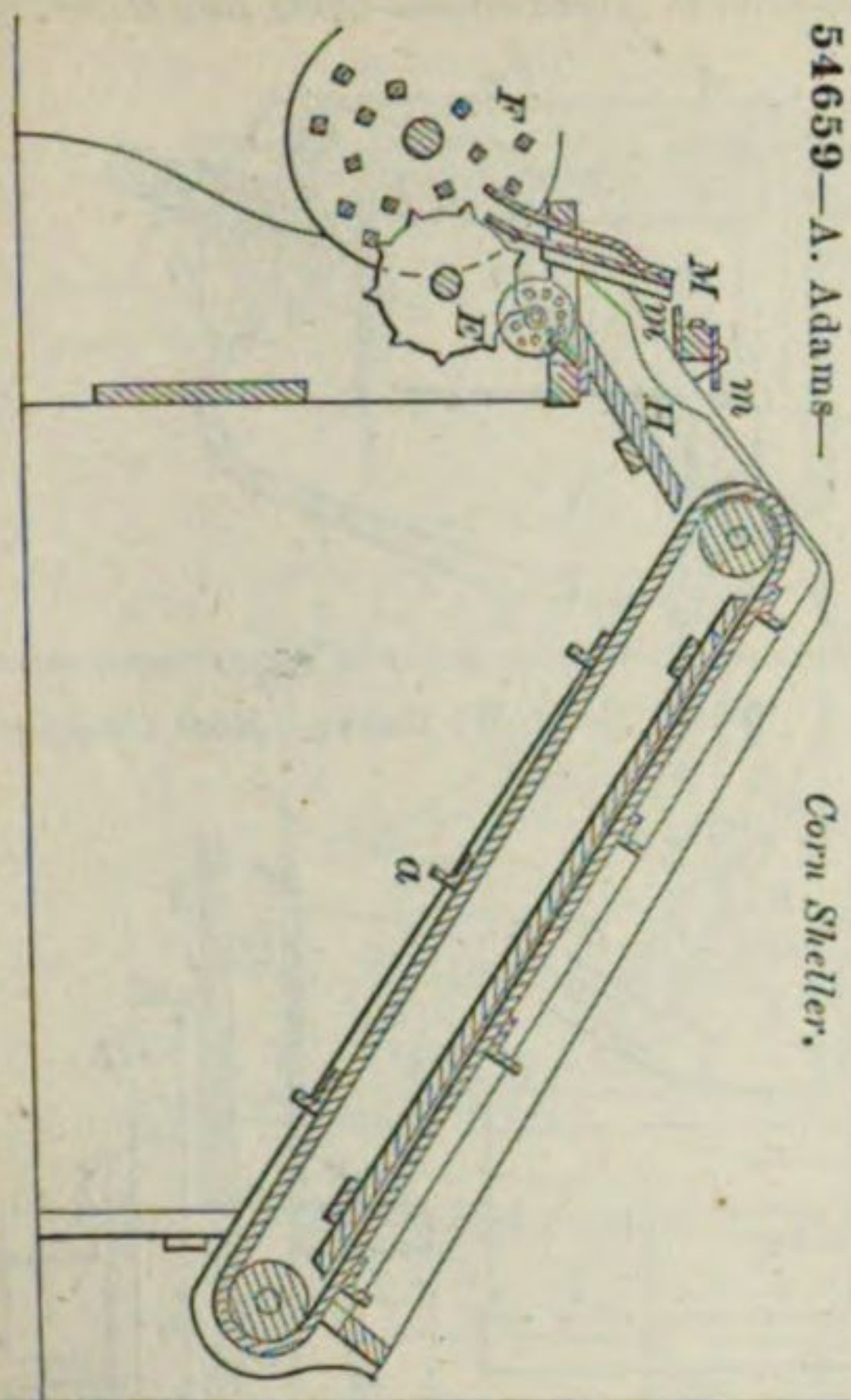
54657—E. L. Allen—*Vessel for Petroleum, &c.*



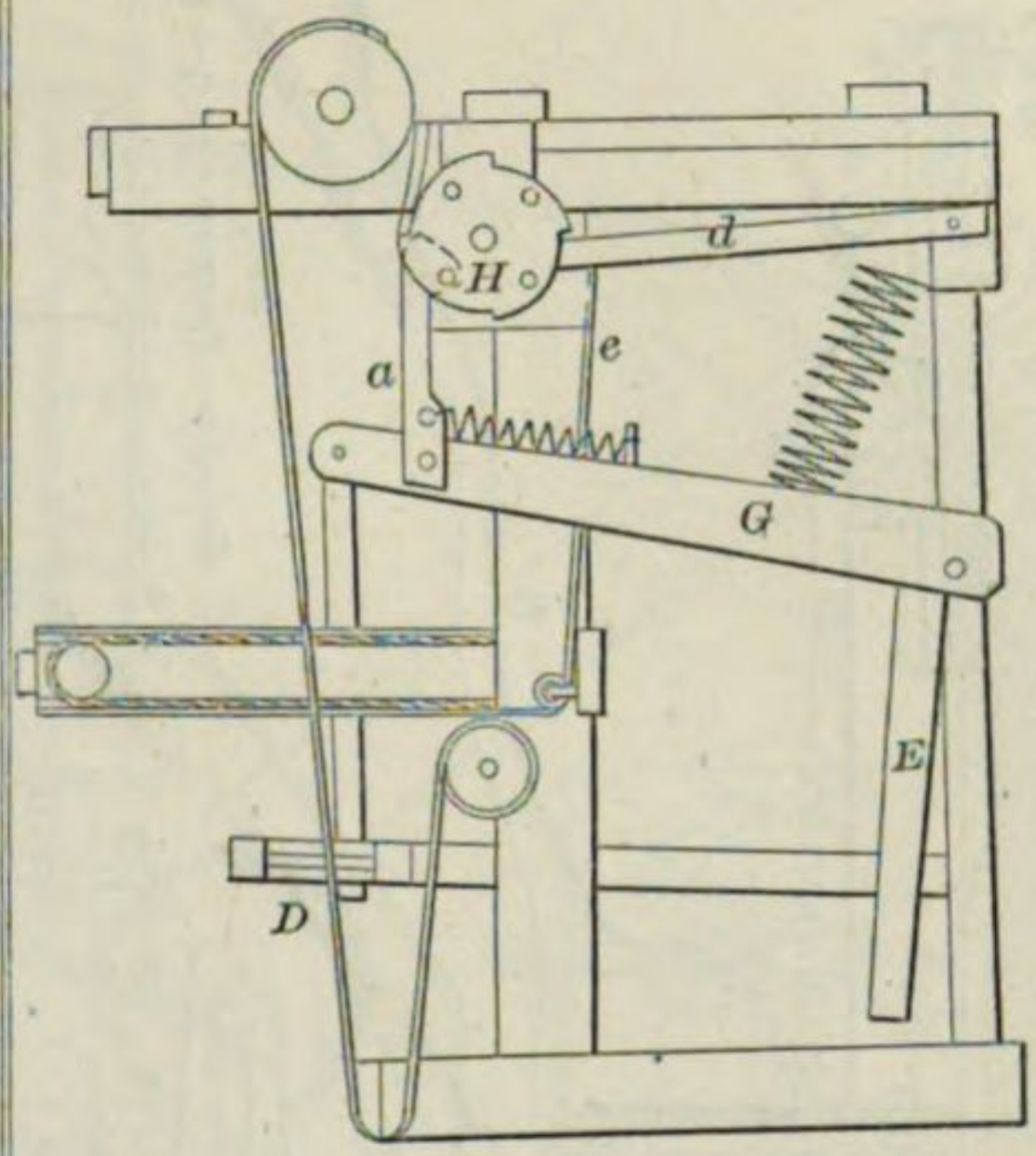
54658—J. A. Abbe—*Bed Bottom.*



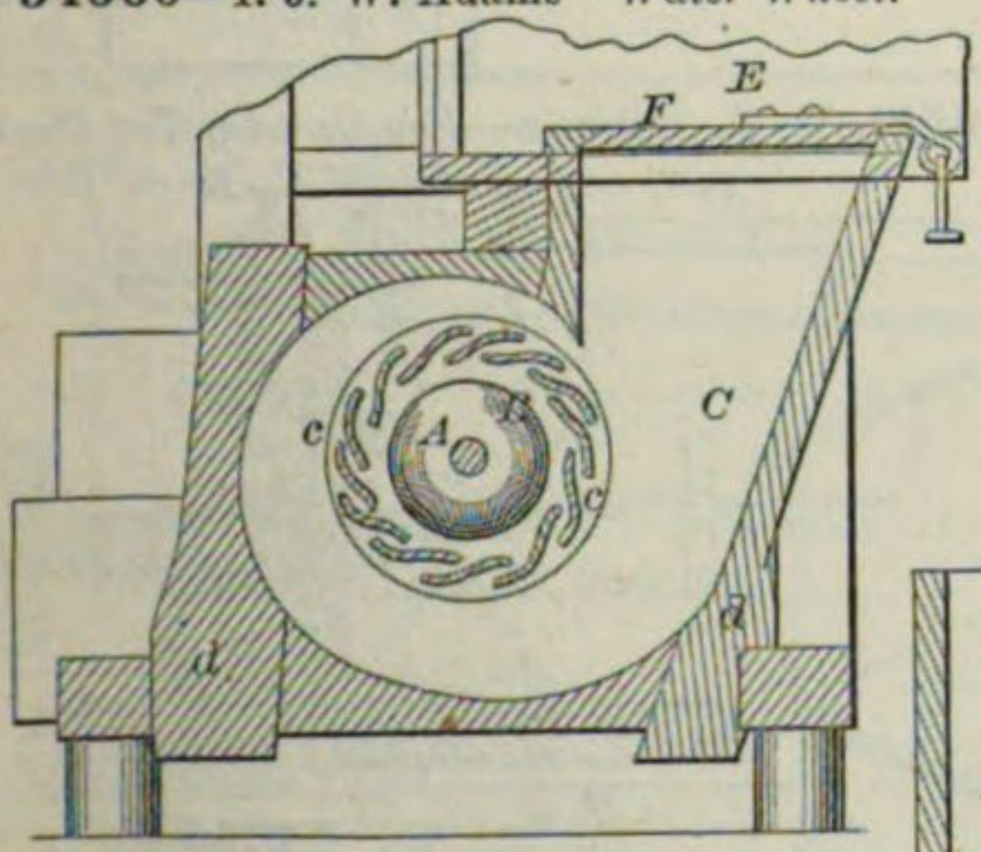
54659—A. Adams—*Corn Sheller.*



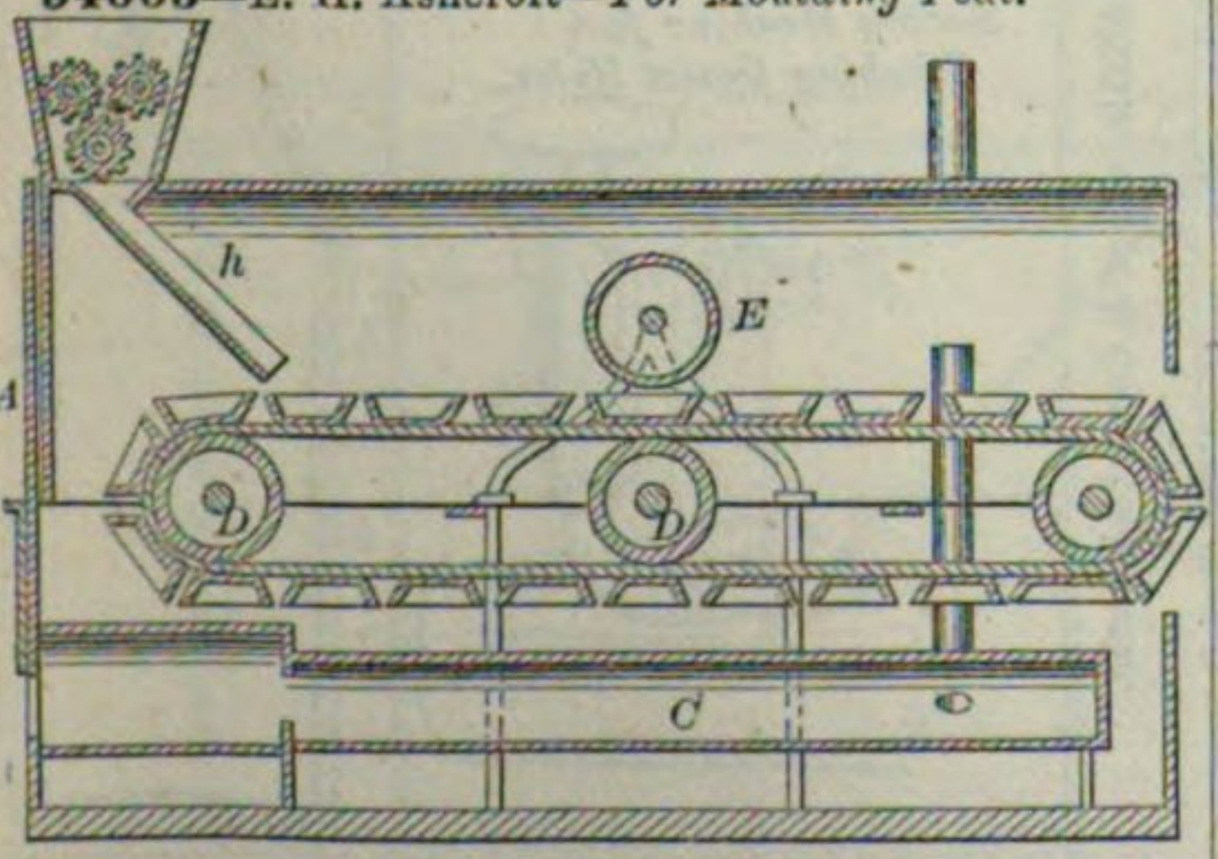
54661—A. L. Anderson—*Harness Motion for Looms.*



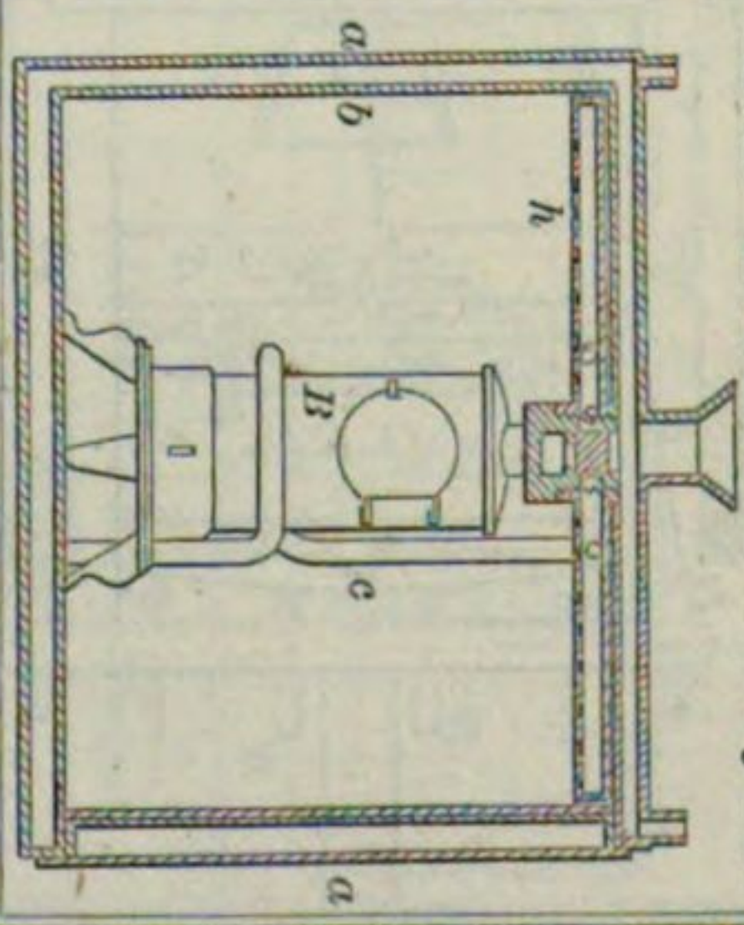
54660—I. J. W. Adams—*Water Wheel.*



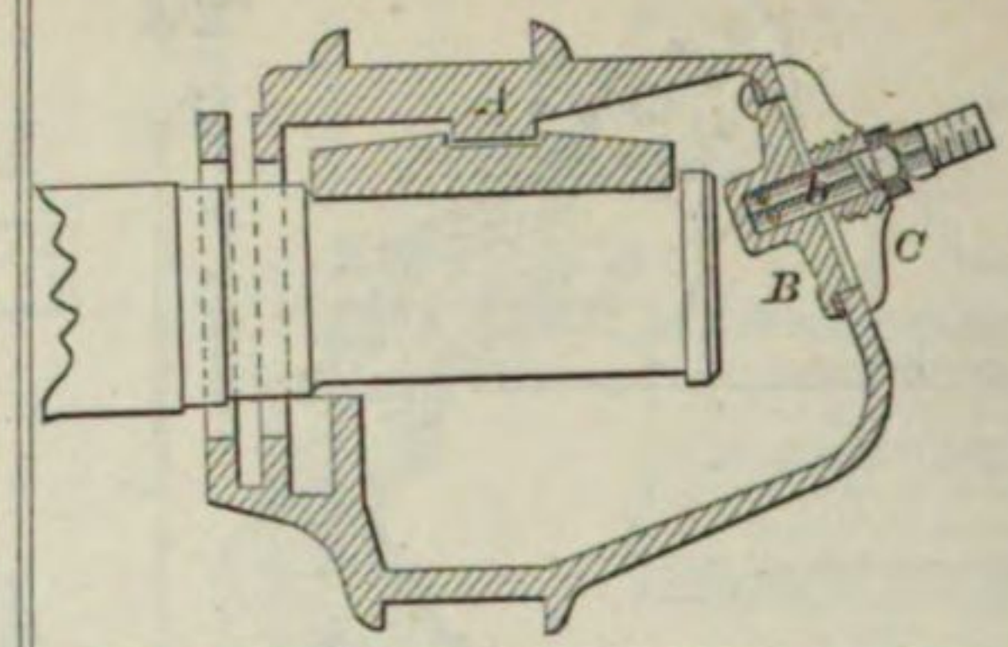
54663—E. H. Ashcroft—*For Moulding Peat.*



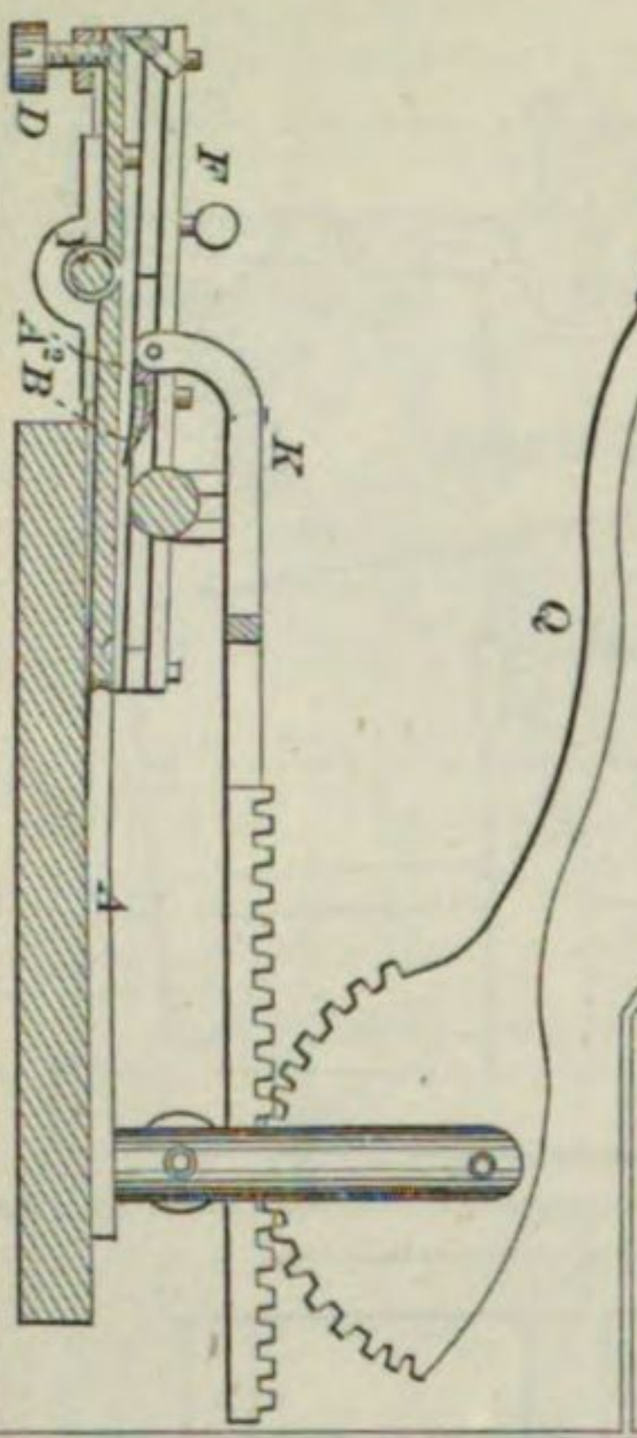
54662—E. H. Ashcroft—*Railway Car.*



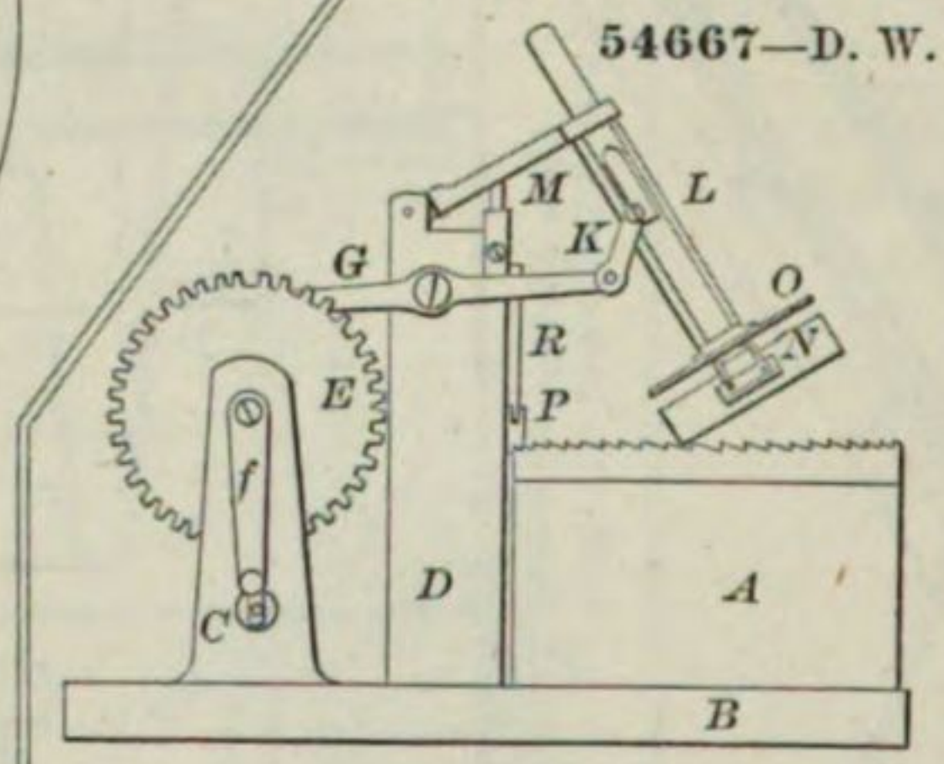
54666—W. S. Auchincloss—*Axle Box Cover.*

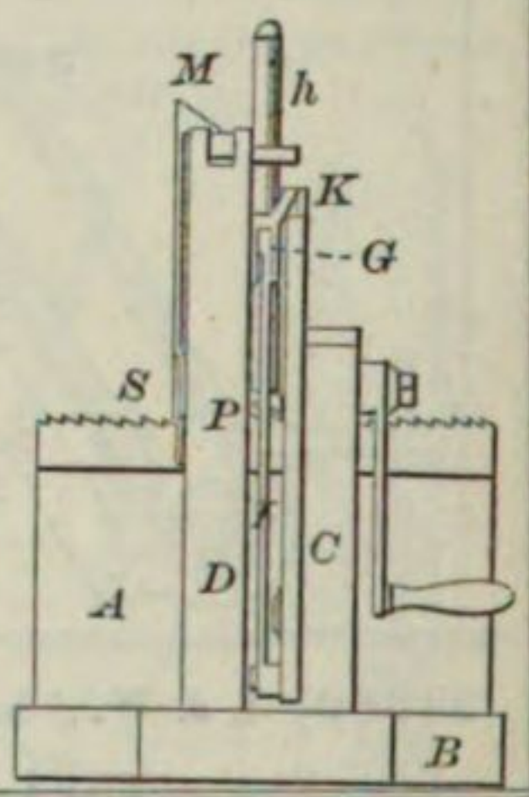


54664—W. S. Atchley—*Skiving Machine.*

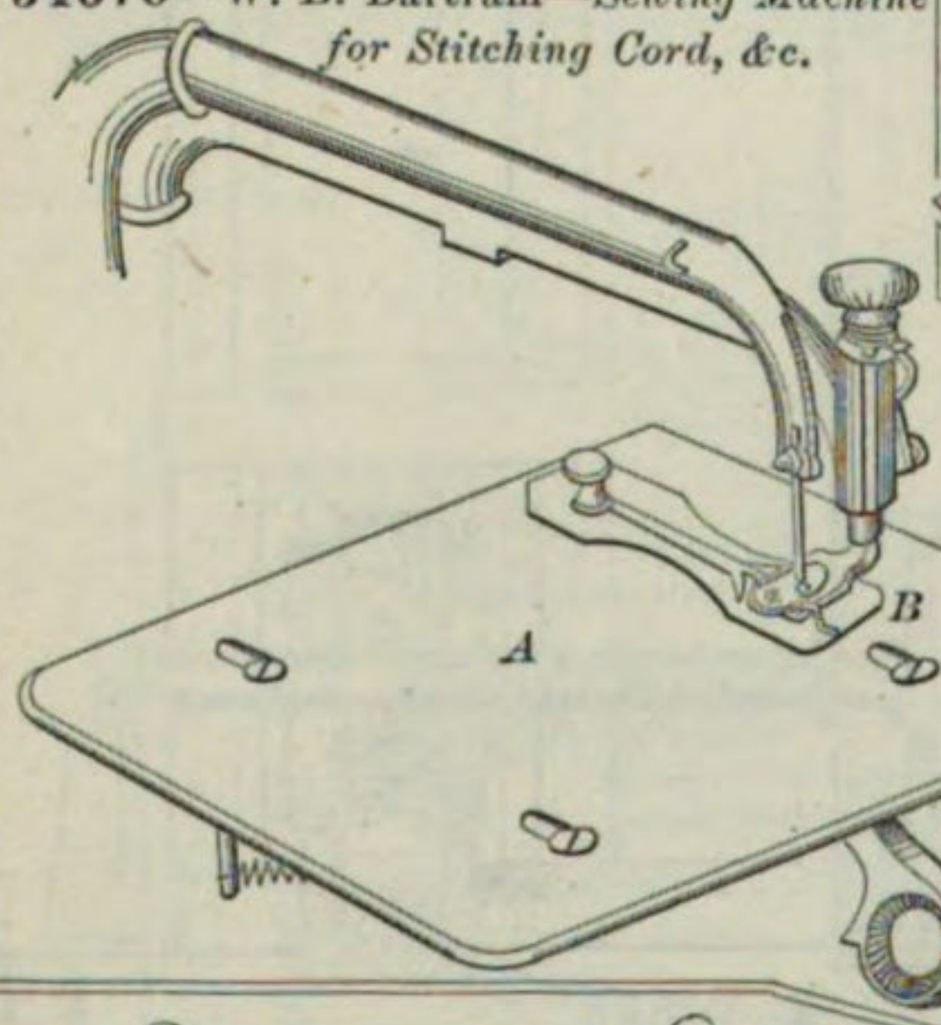


54667—D. W. Baker—*Meat Chopper.*

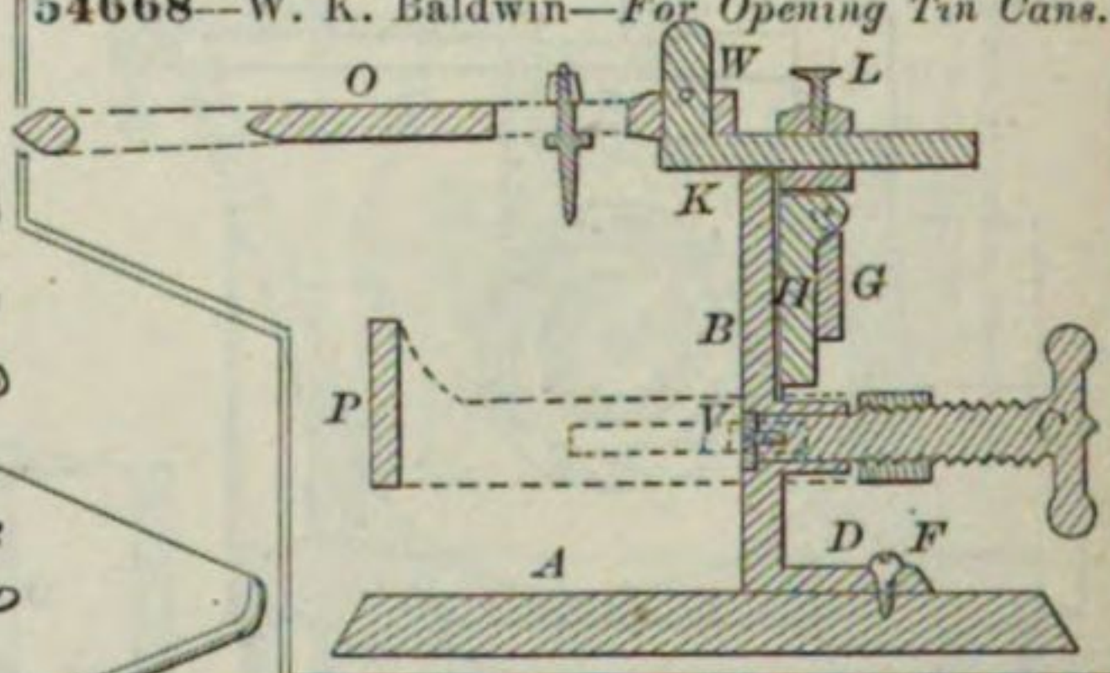




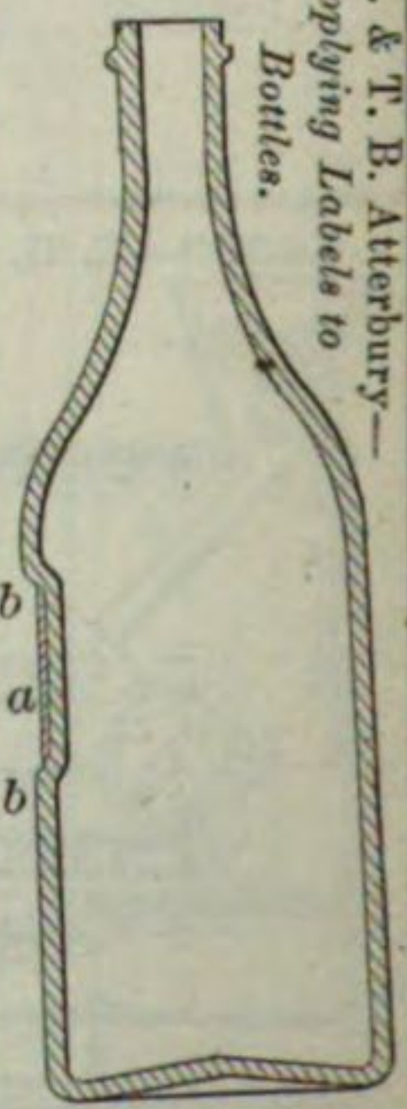
54670—W. B. Bartram—*Sewing Machine for Stitching Cord, &c.*



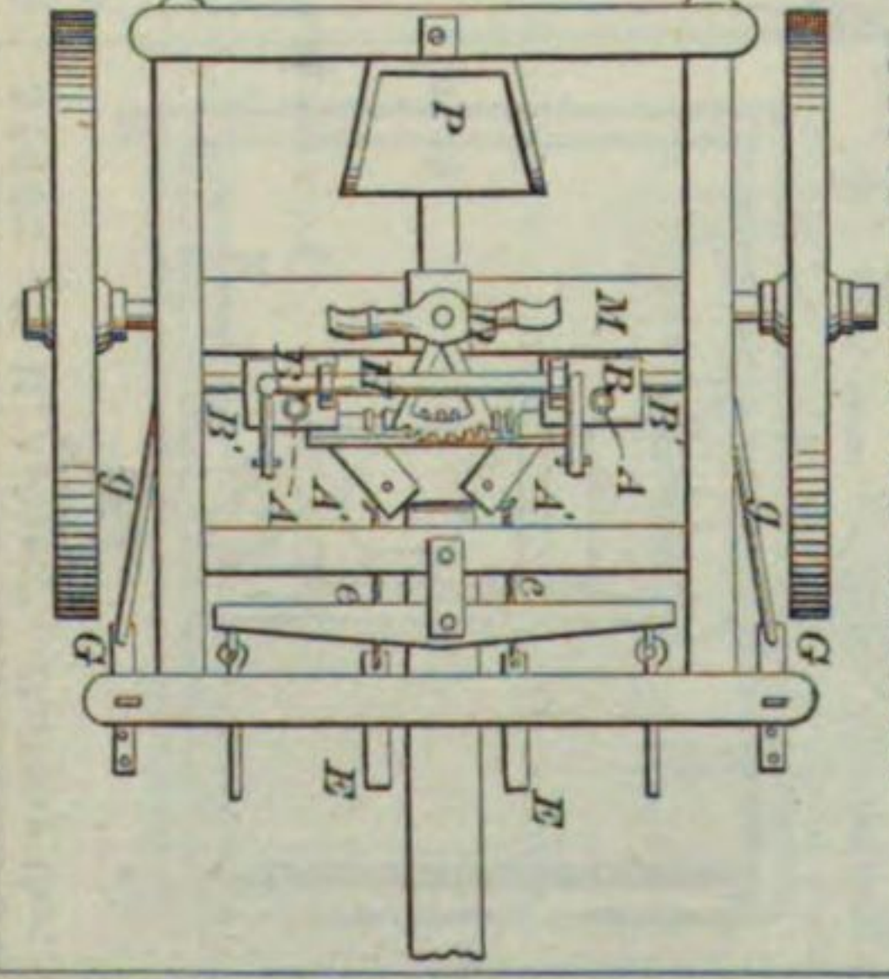
54668—W. K. Baldwin—*For Opening Tin Cans.*



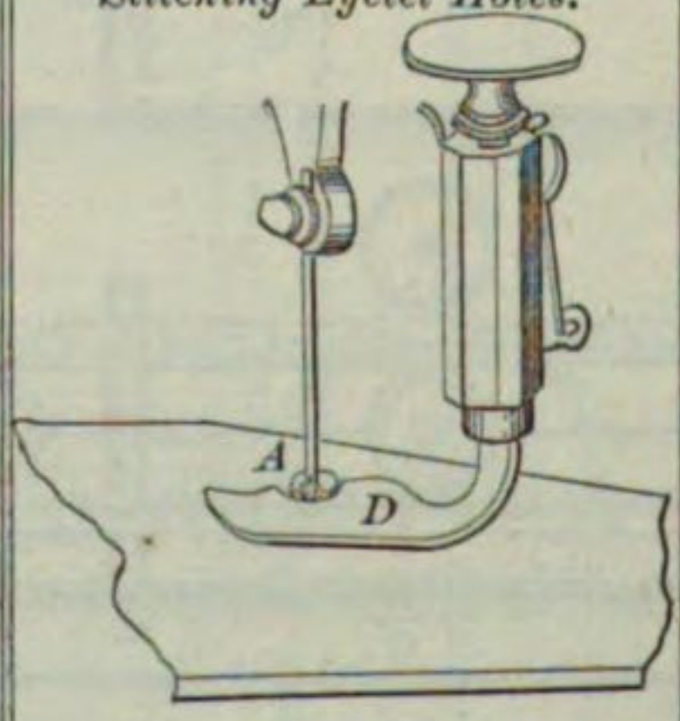
54665—J. S. & T. B. Atterbury—*Applying Labels to Bottles.*



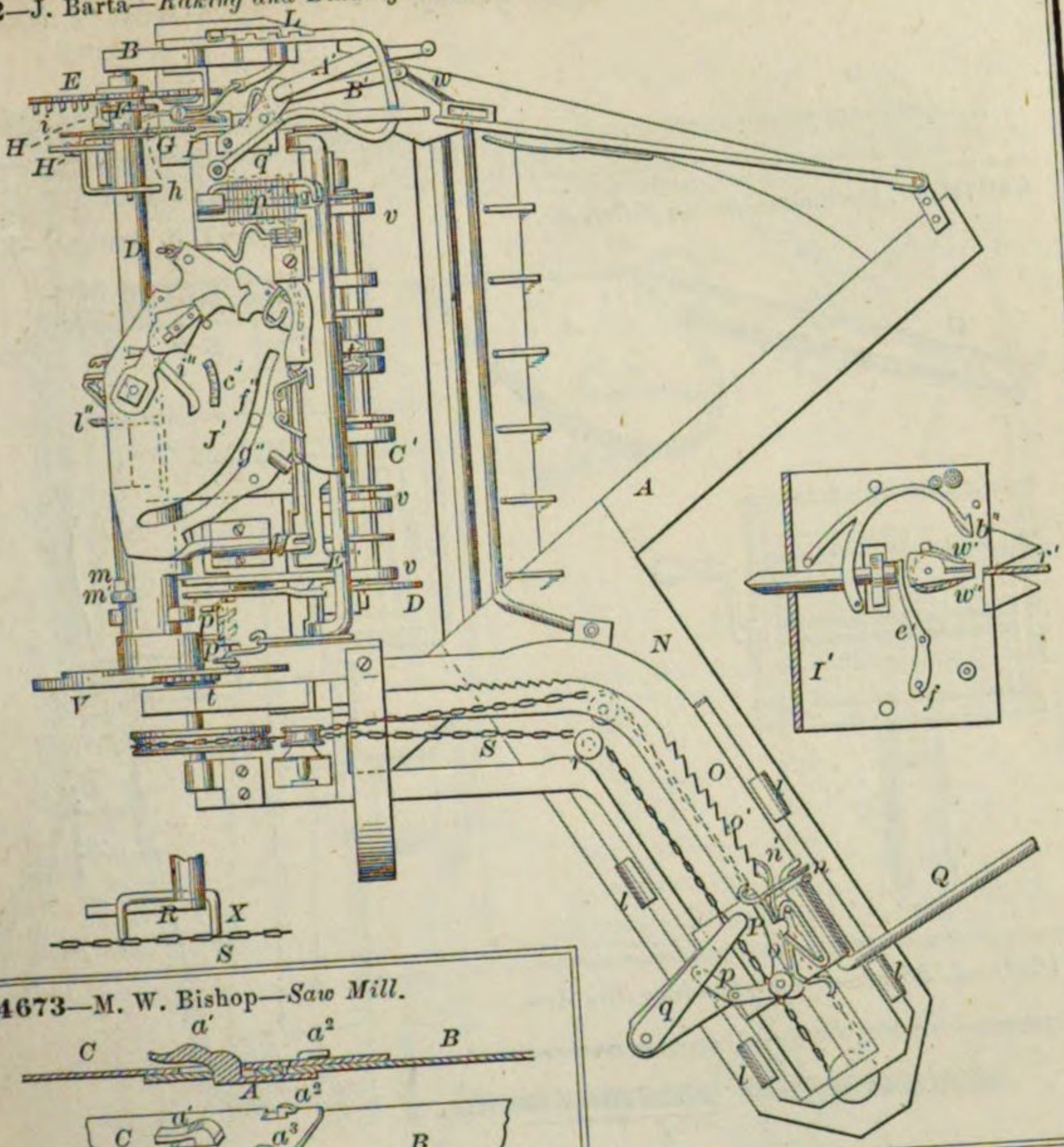
54669—Barr & Cox—*Cultivator.*



54671—W. B. Bartram—*Sewing Machine for Stitching Eyelet Holes.*

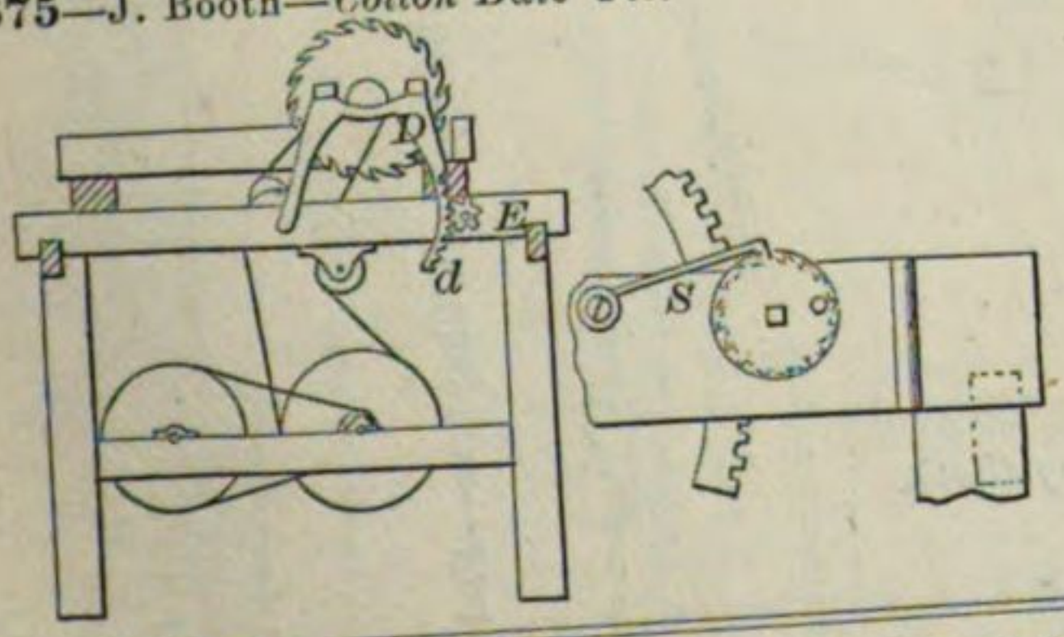


54672—J. Barta—*Raking and Binding Attachment.*

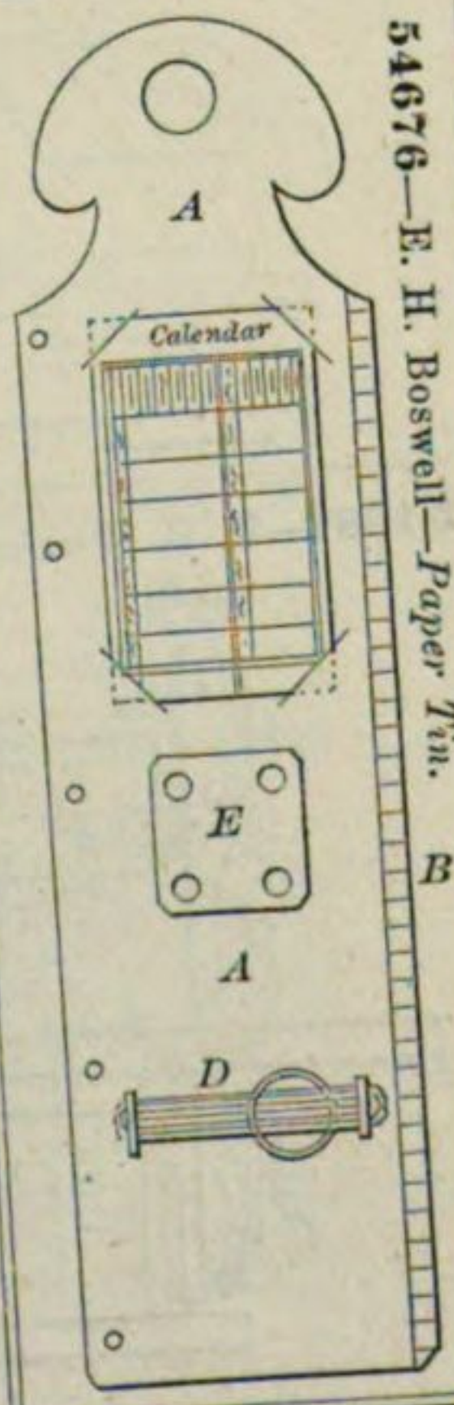


54673—M. W. Bishop—*Saw Mill.*

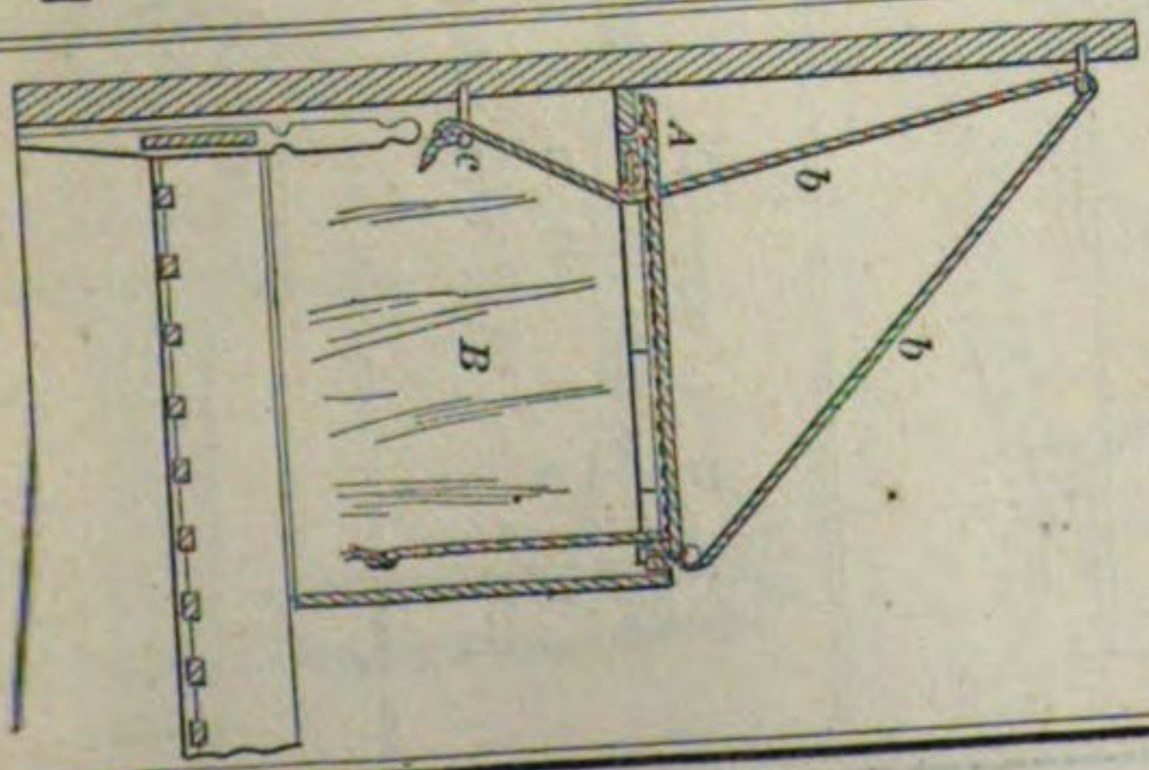
54675—J. Booth—*Cotton Bale Tie.*



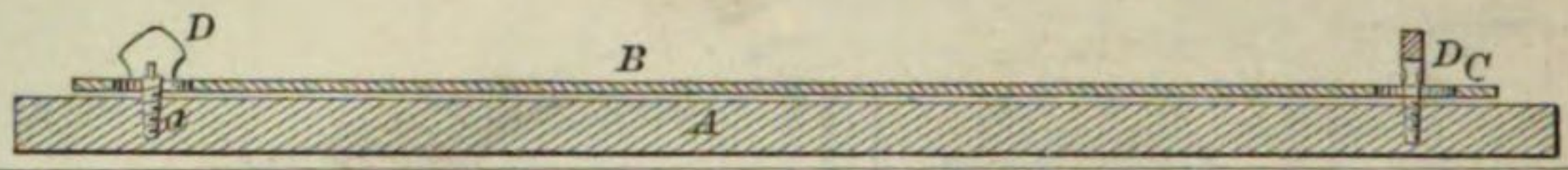
54676—E. H. Boswell—*Paper Tin.*



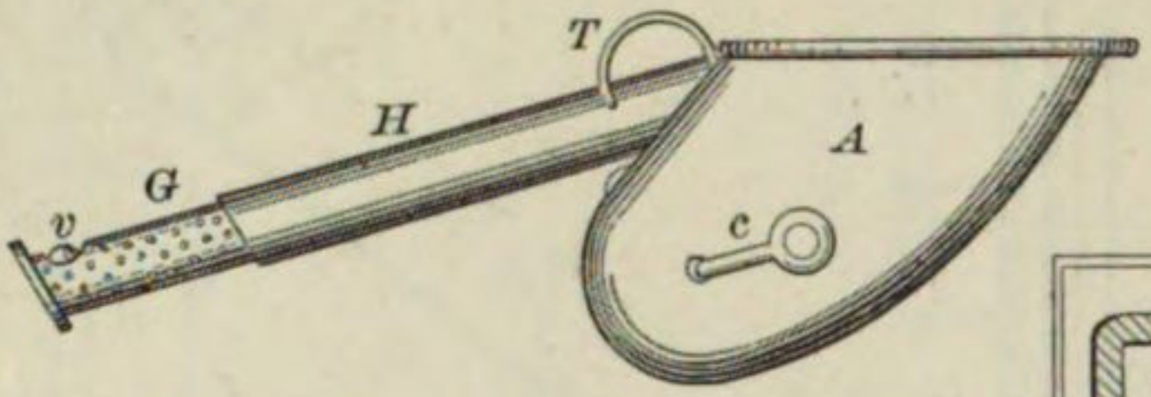
54674—M. Bliss—*Musquito Canopy.*

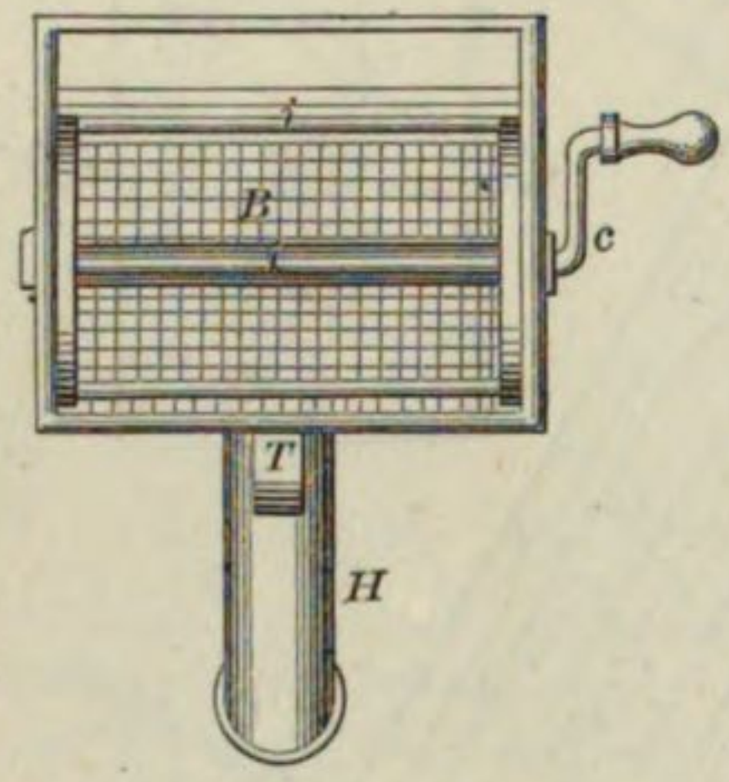


54677—E. H. Boswell—*Stair Rod and Fastening.*

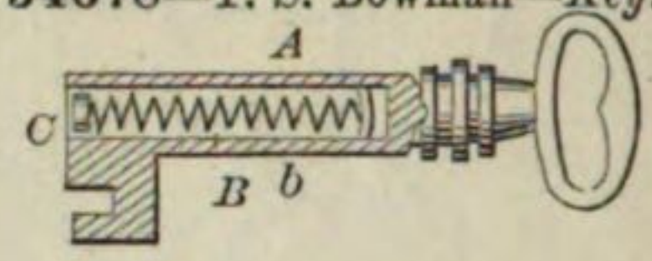


54679—F. Bucknam—*Scoop, Sifter, &c.*

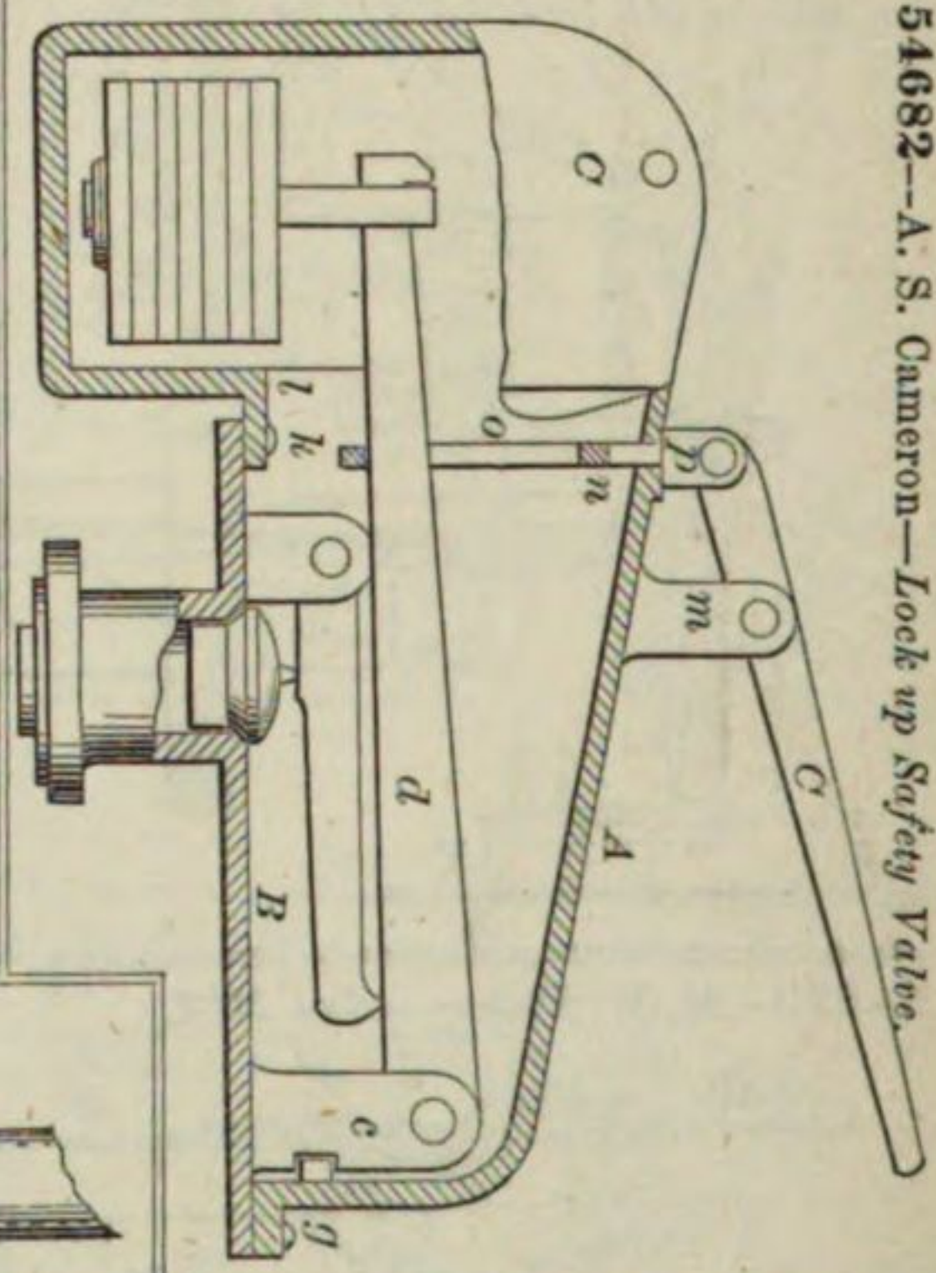




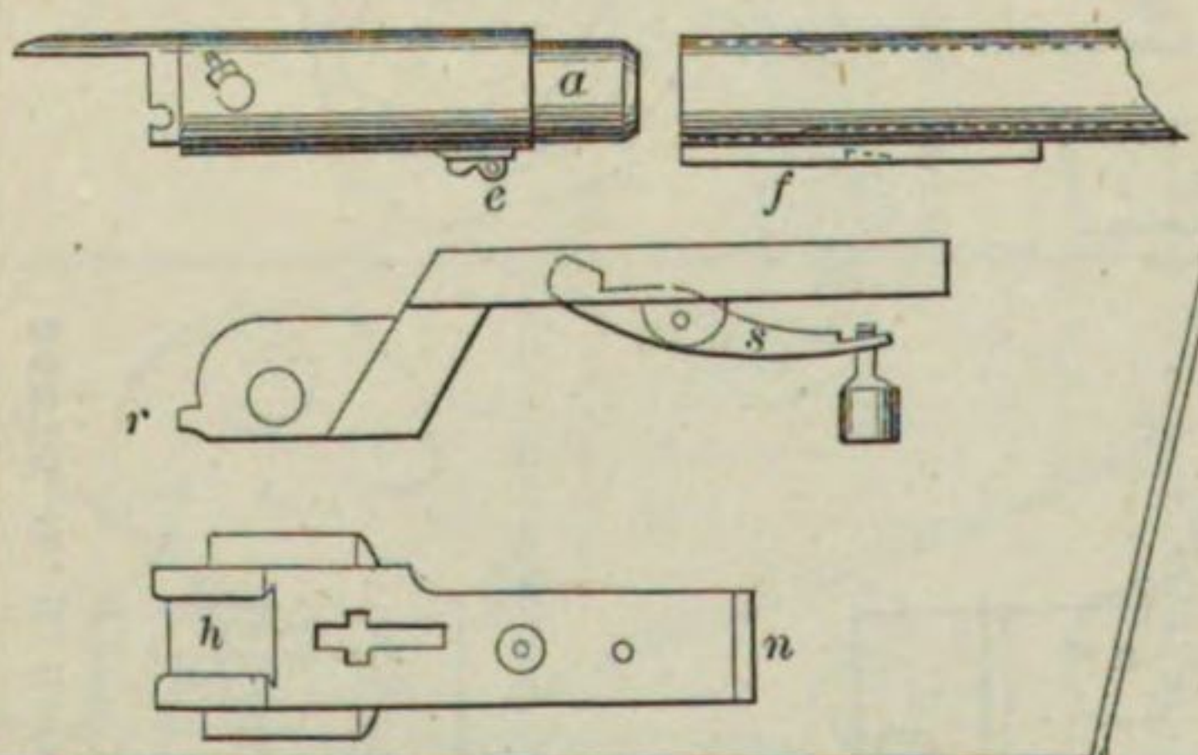
54678—T. S. Bowman—*Key.*



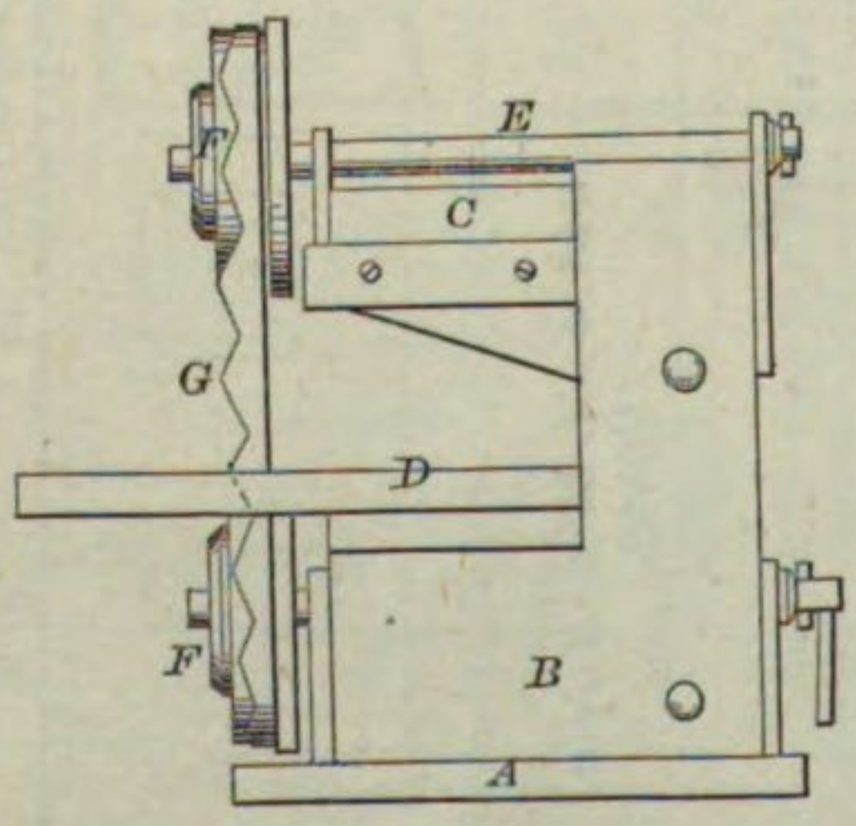
54682—A. S. Cameron—*Lock up Safety Valve.*



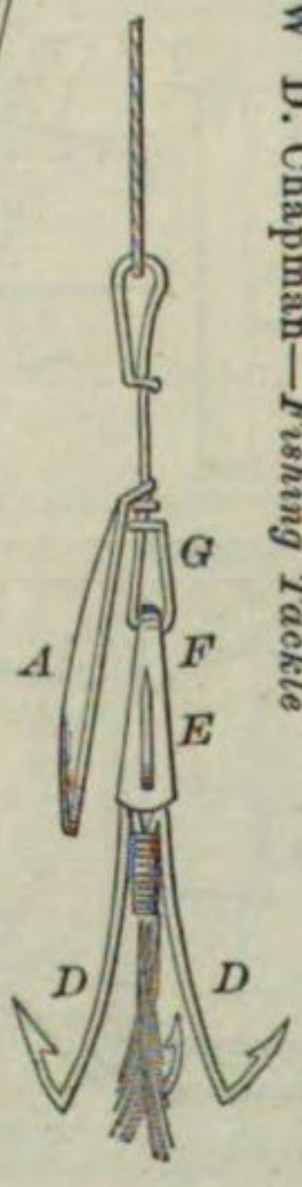
54680—J. Burke—*Breech-Loading Fire Arm.*



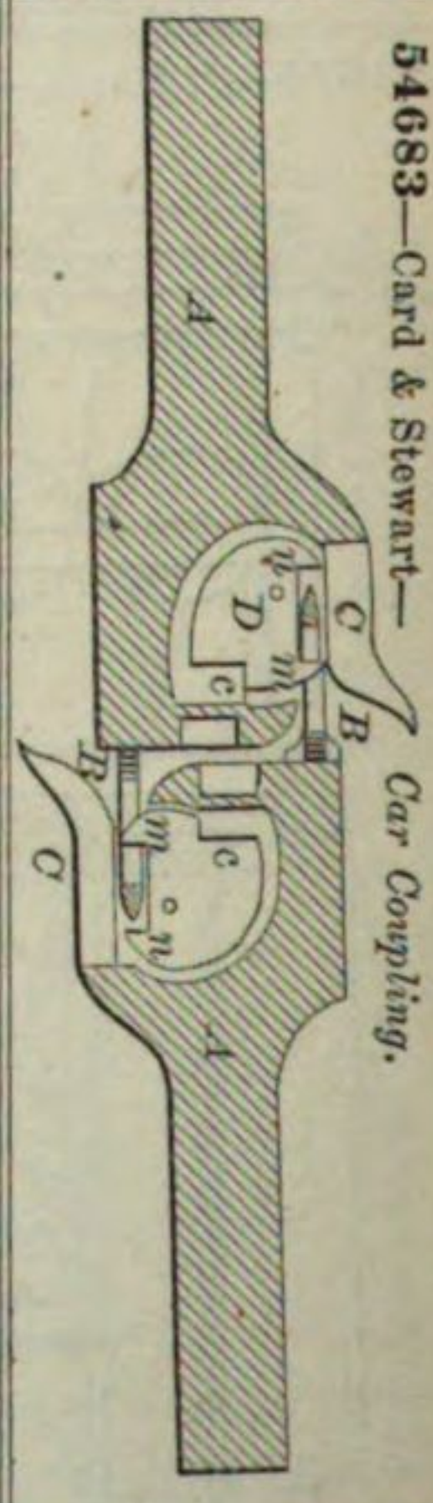
54681—V. H. Buschman—*For Cutting Cloth.*



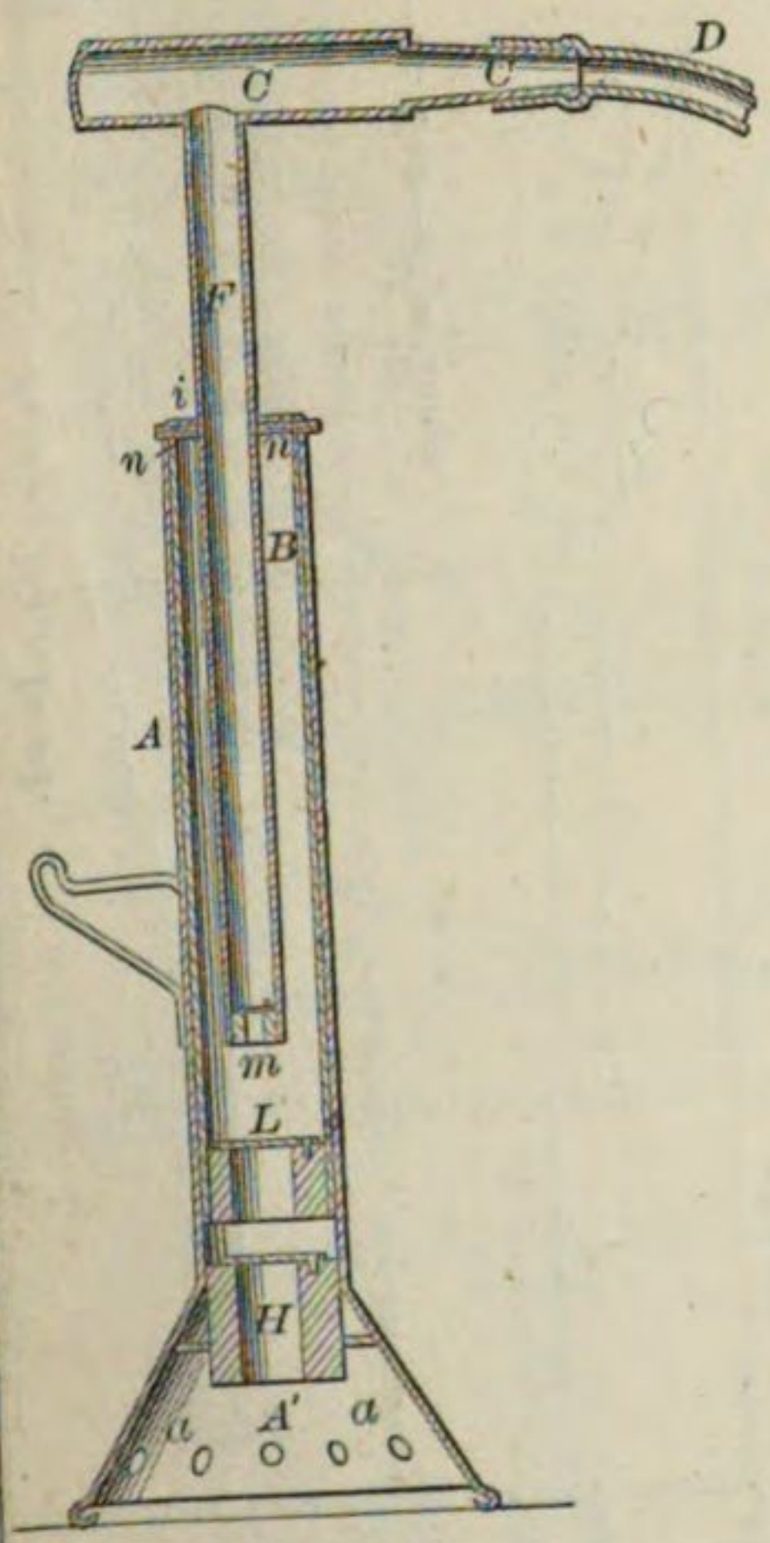
54684—W D. Chapman—*Fishing Tackle*



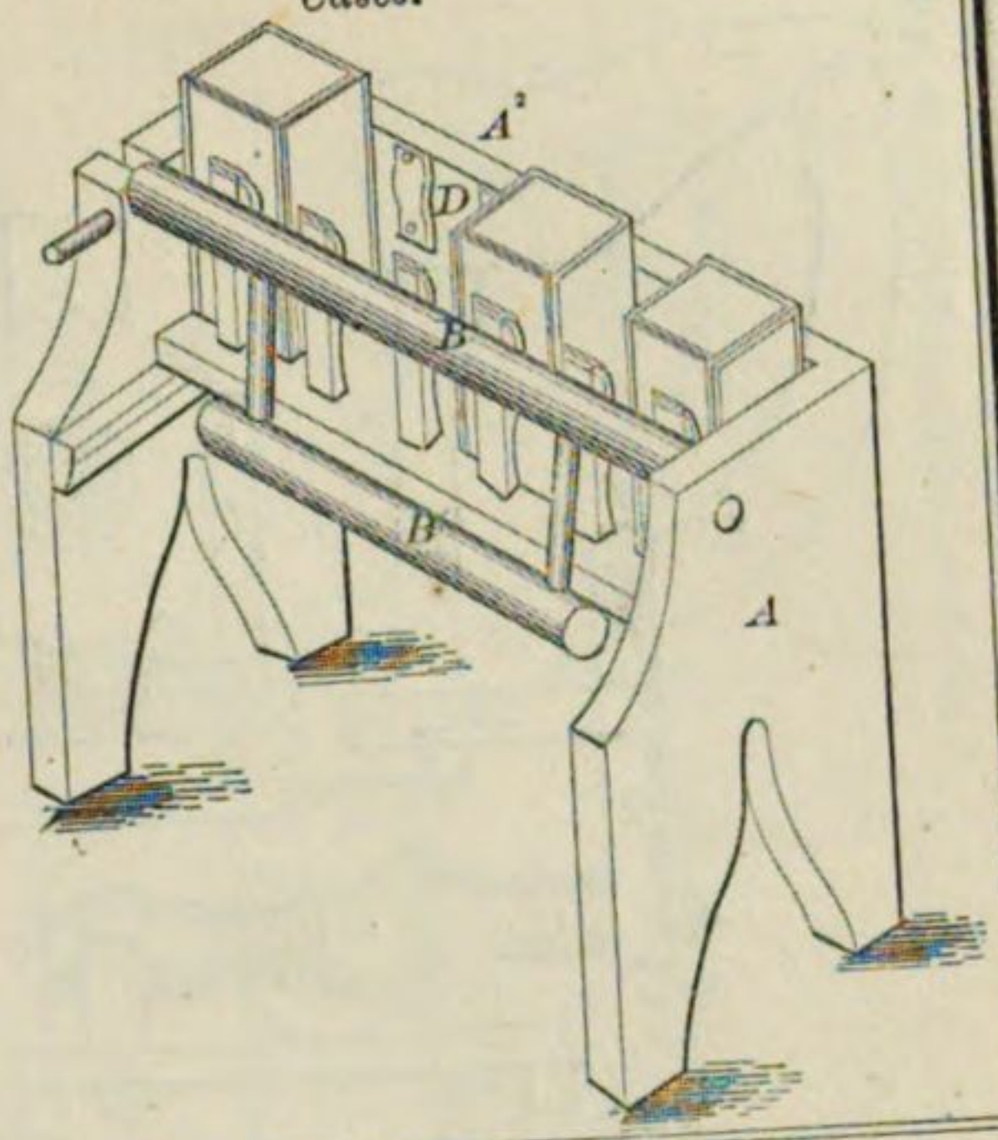
54683—Card & Stewart—*Car Coupling.*



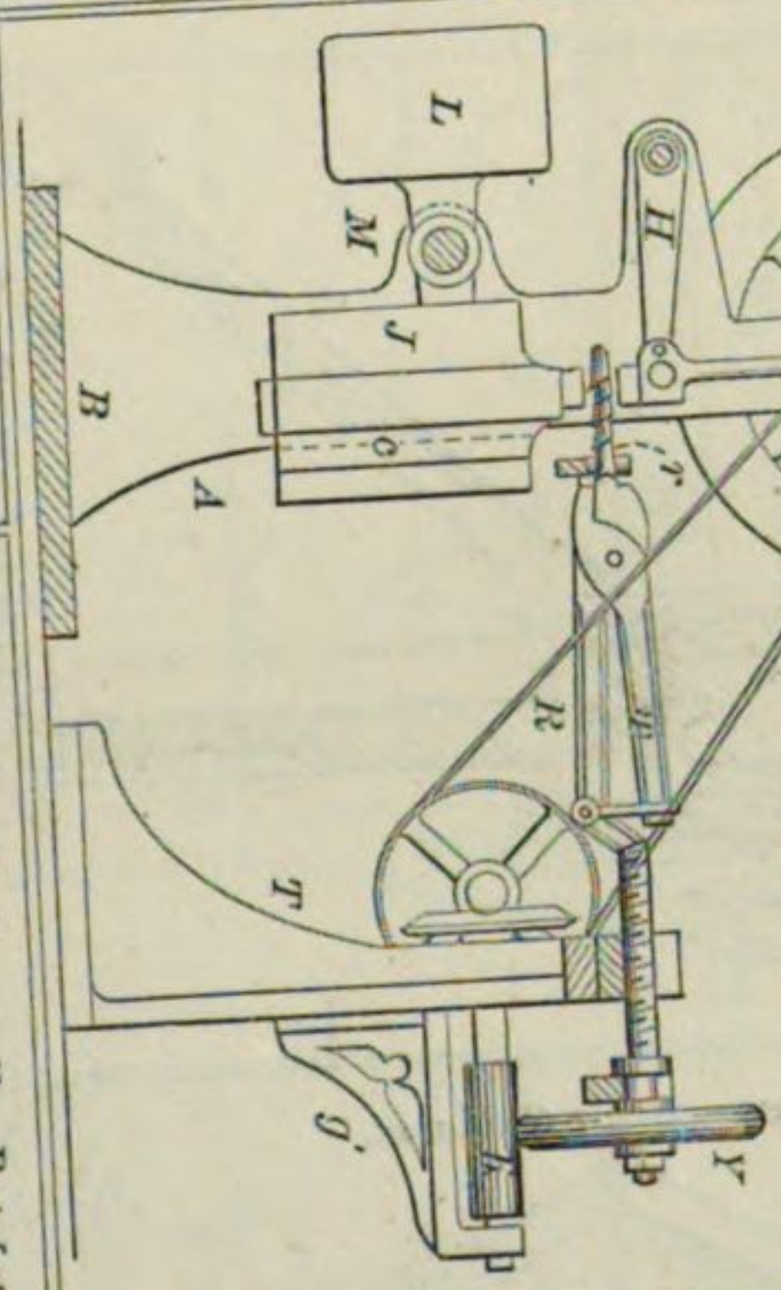
54685—W. F. Class—*Pump Sprinkler.*



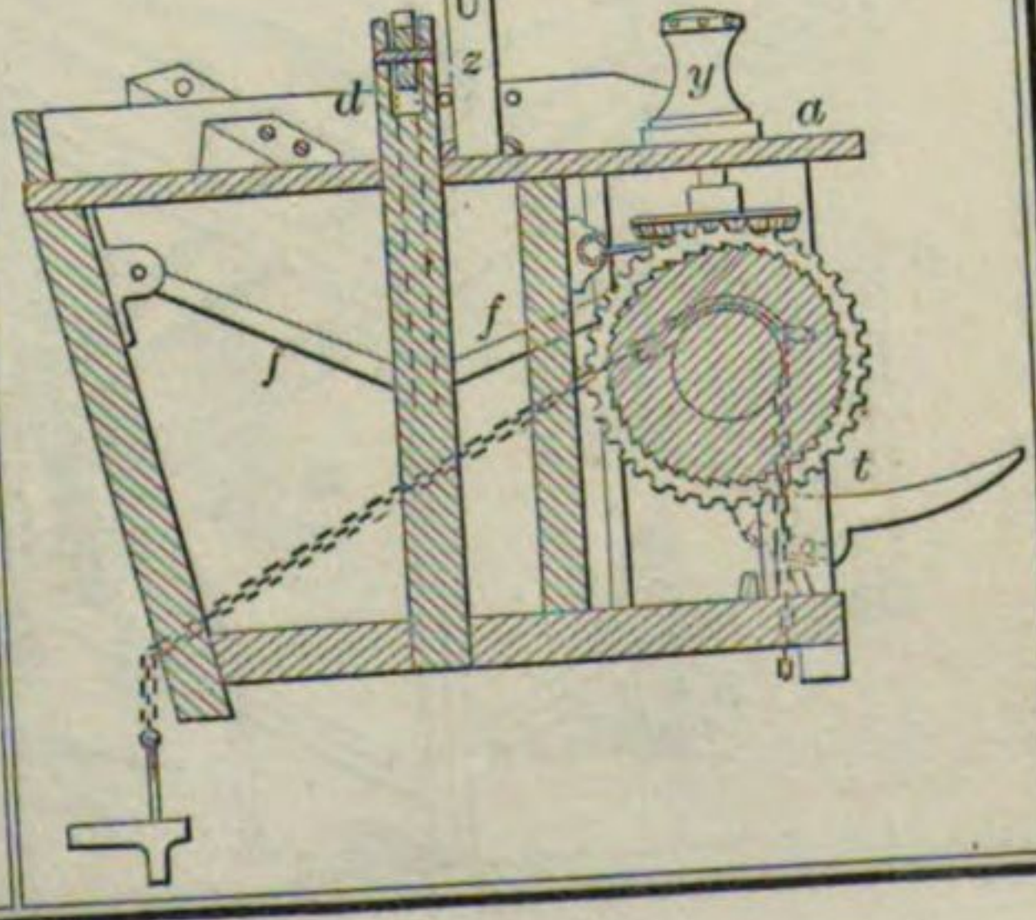
54686—D. Clavidge—*For Expelling Air from Cases.*



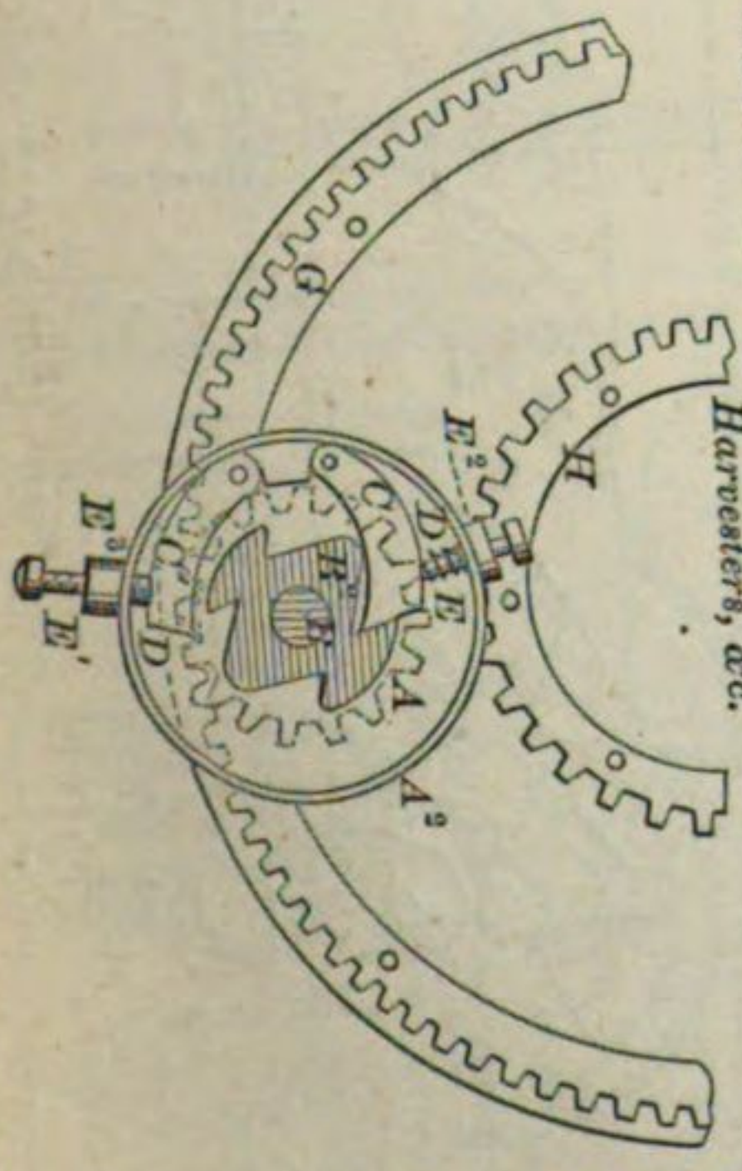
54687—J. Cochrane—*For Forging Screws.*



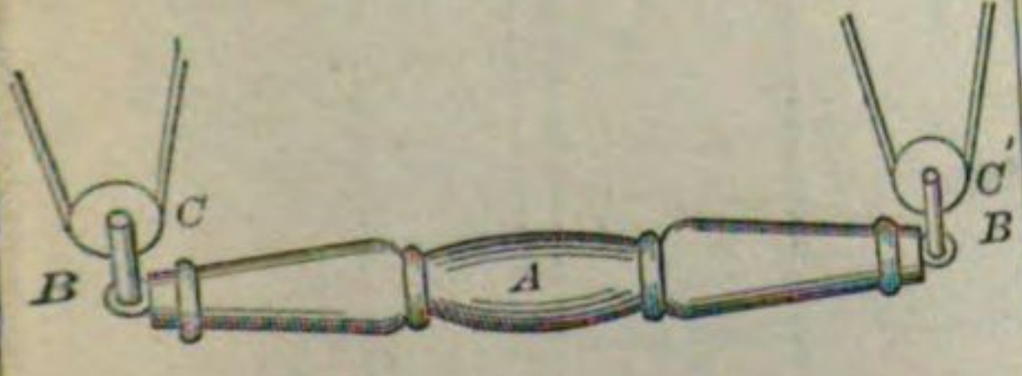
54688—G. Coffin—*Operating Ship's Windlass.*



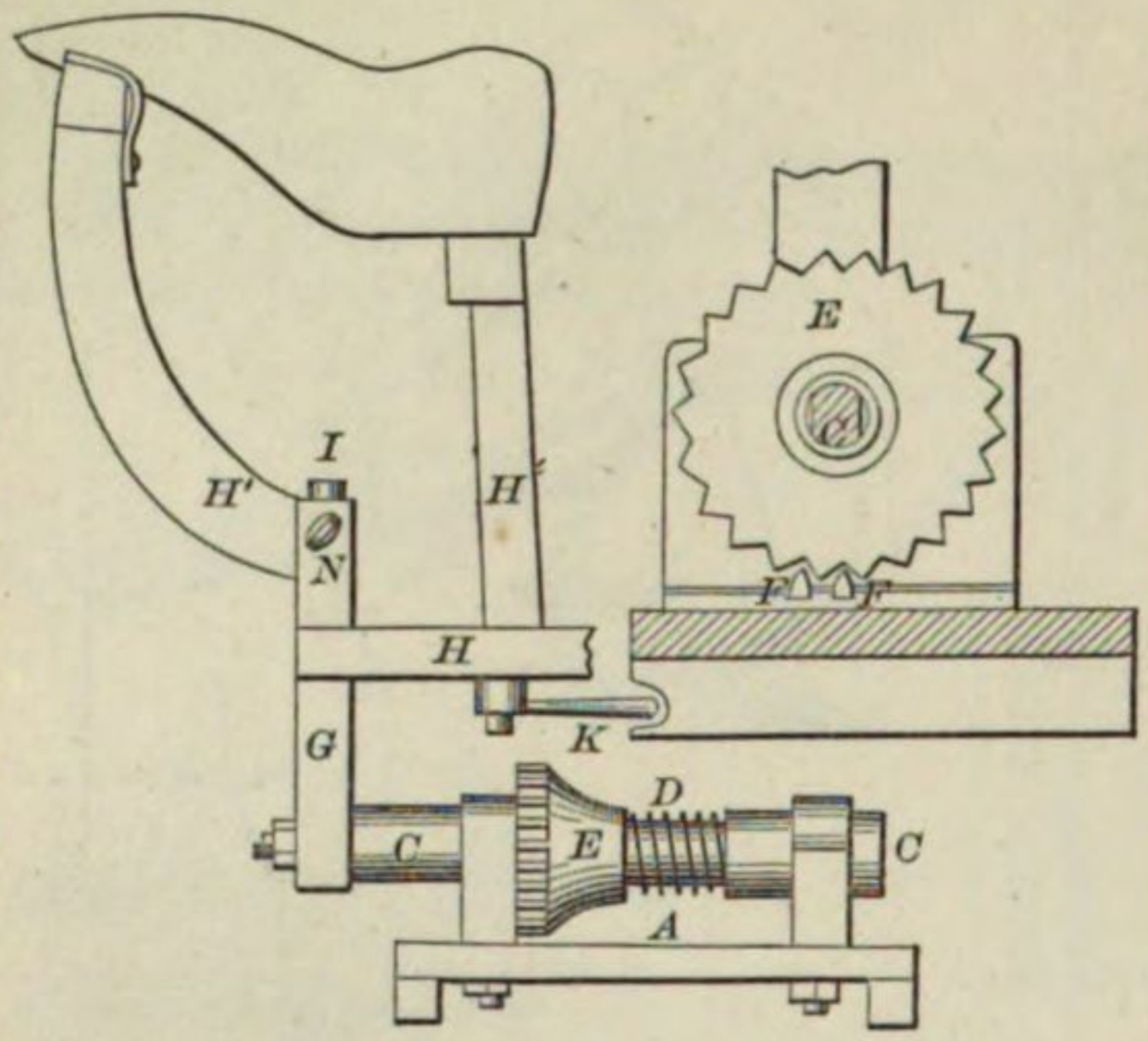
54689—W. Cogswell—*Ratchet Attachment for Harvesters, &c.*



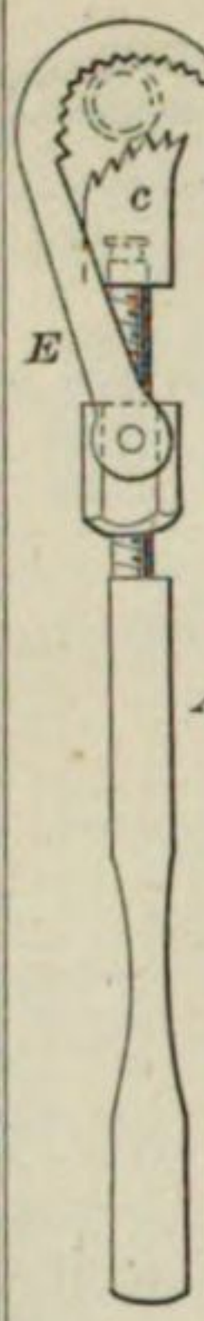
54690—A. C. Cooke—*Neck Yoke.*



54691—L. L. Coon—*Shoemaker's Jack.*

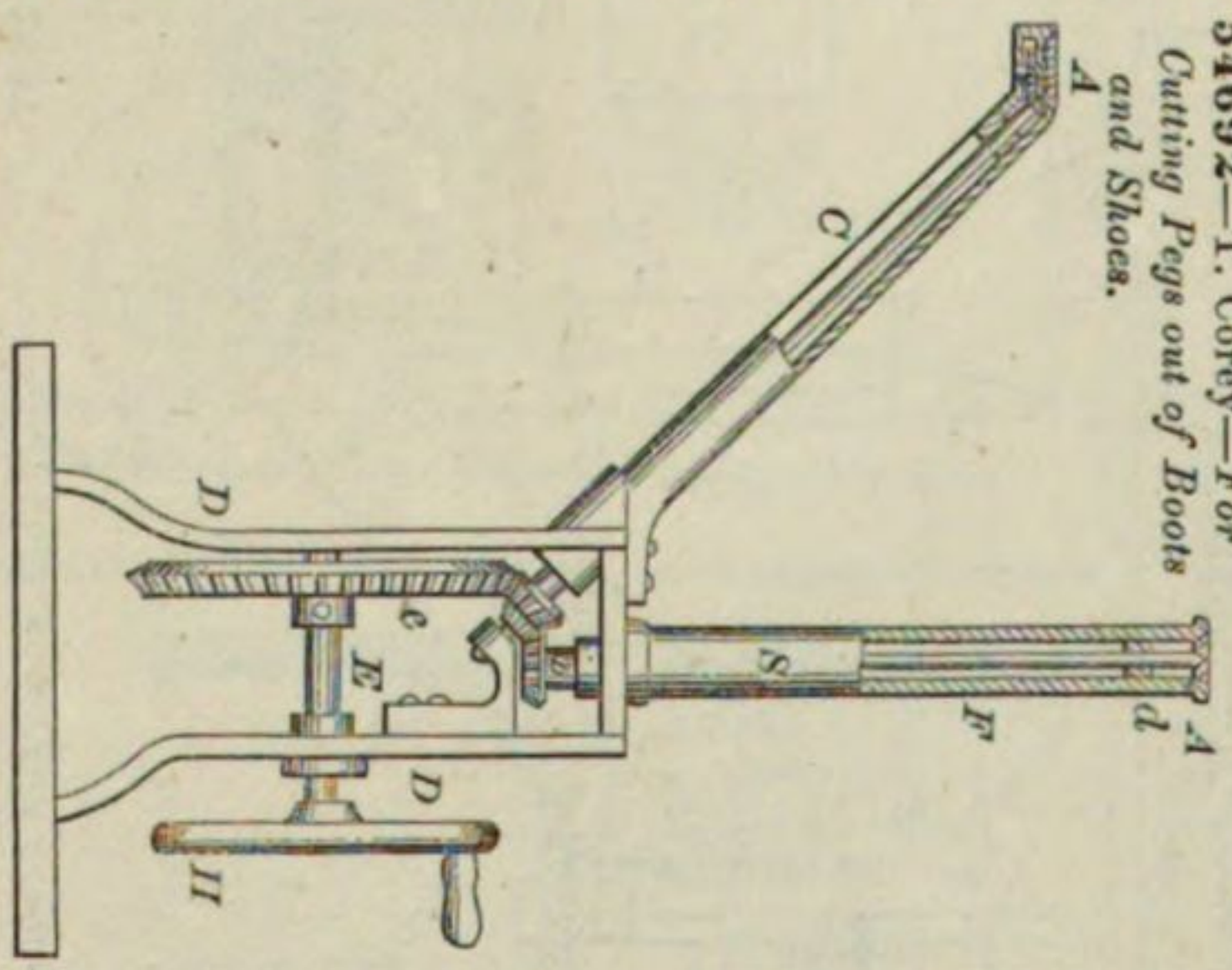


54694—R. Cox—*Pipe Tongs.*

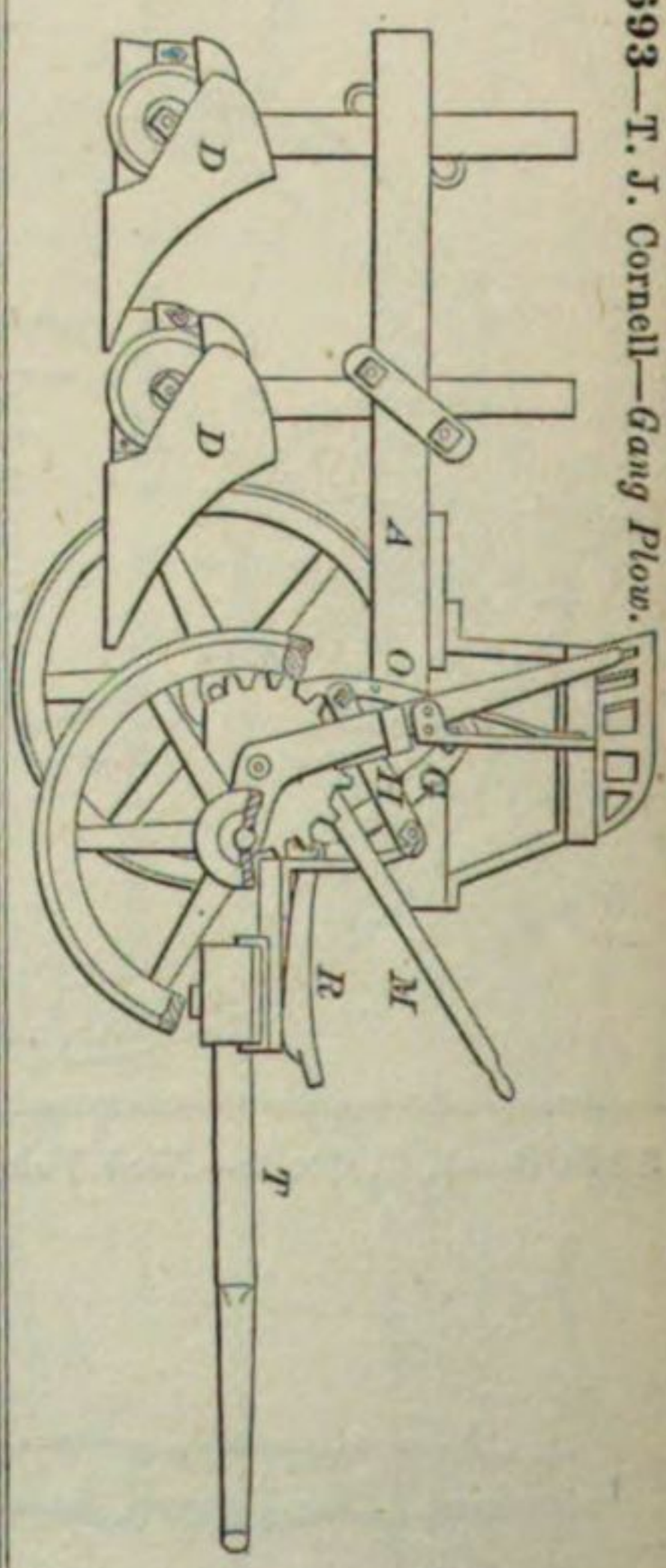


54695—C. Crosman—*Folding Hair Brush.*

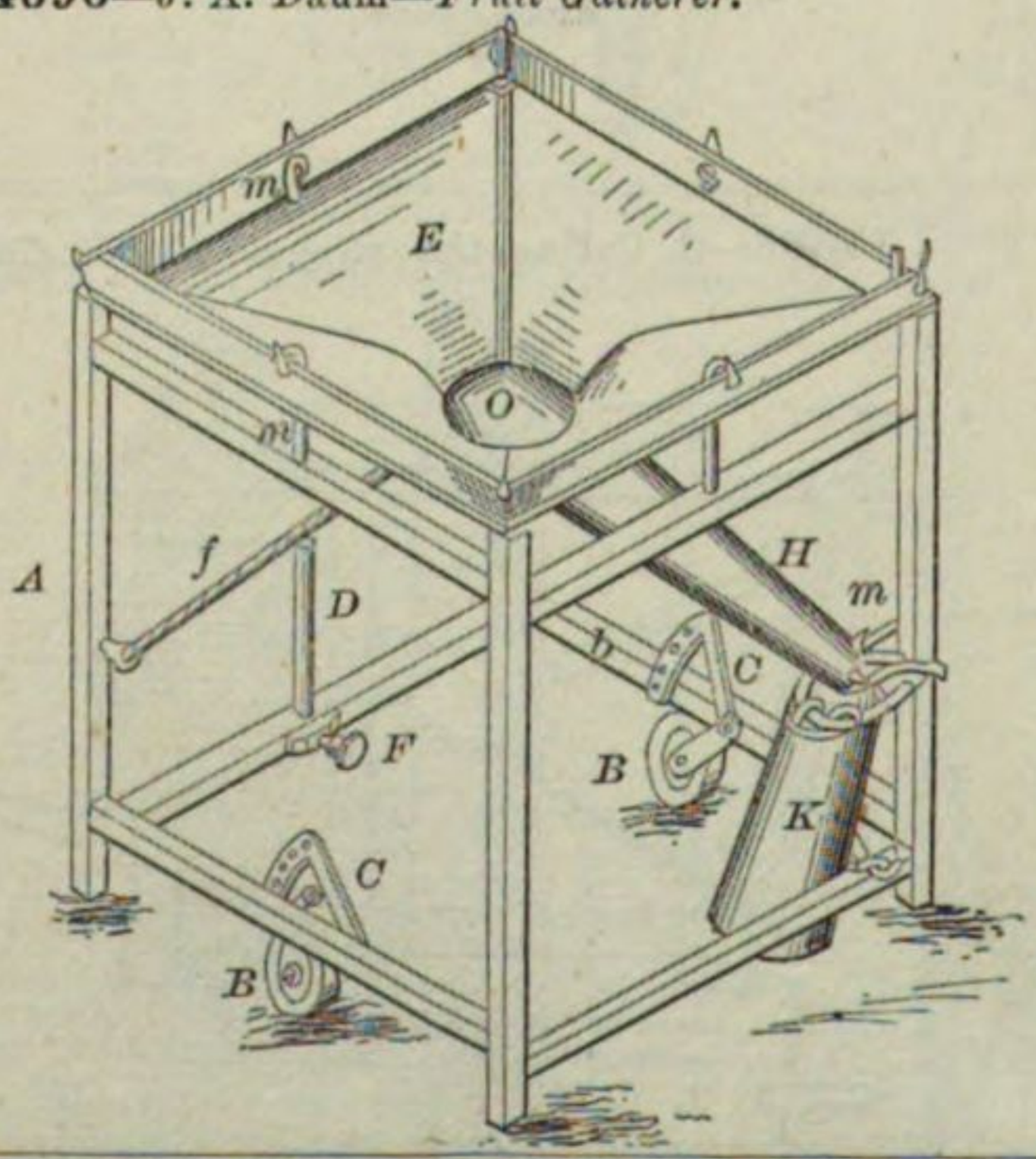
54692—T. Corey—*For Cutting Pegs out of Boots and Shoes.*



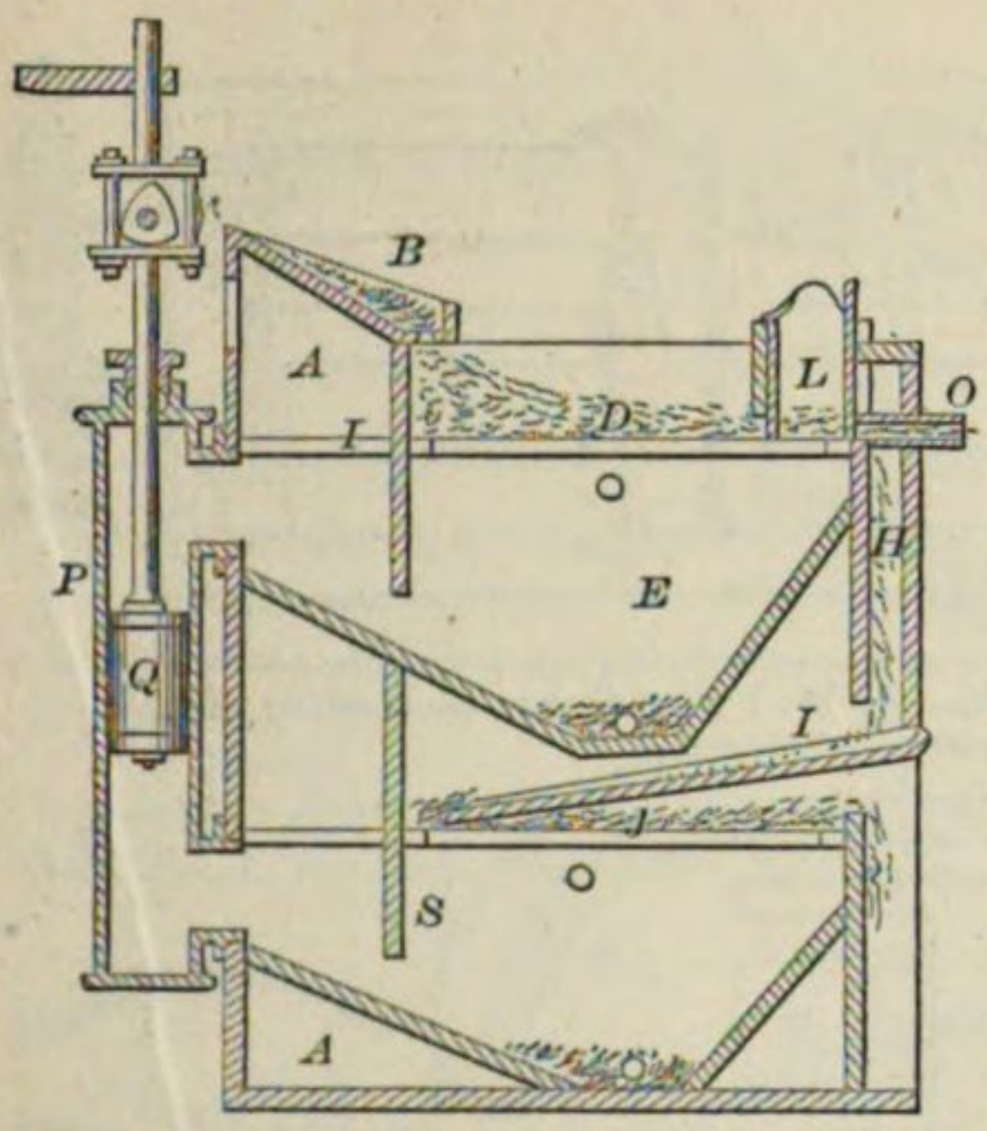
54693—T. J. Cornell—*Gang Plow.*



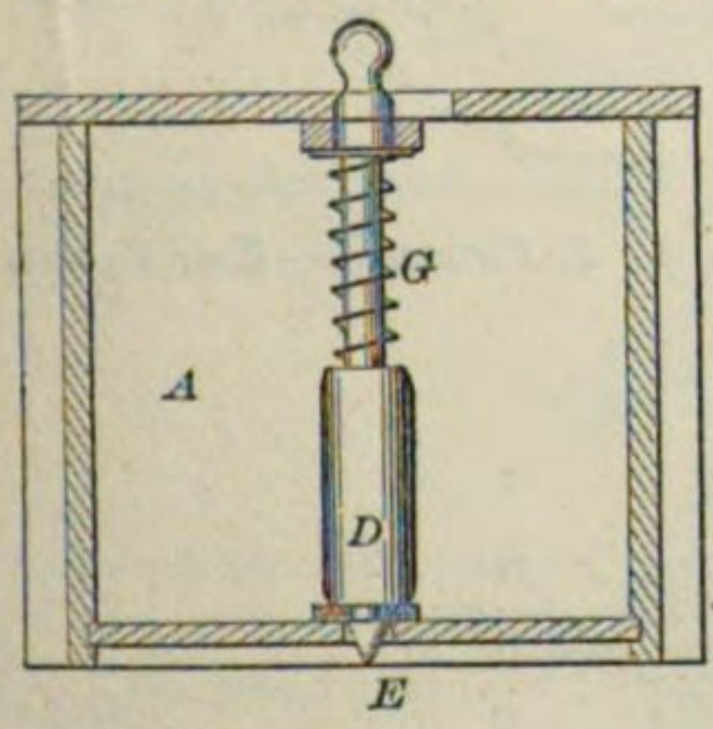
54696—J. A. Daum—*Fruit Gatherer.*



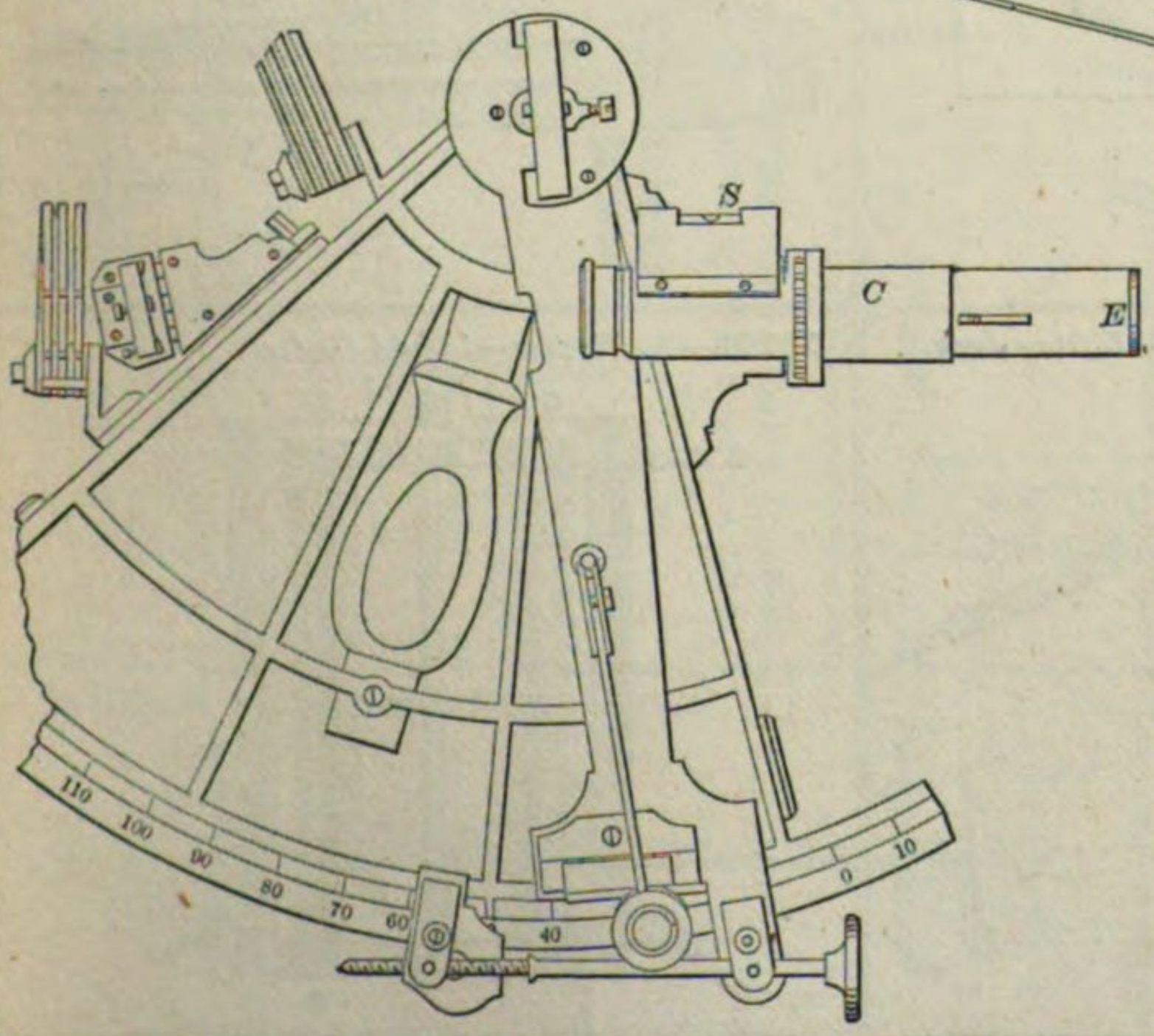
54697—T. Davey—*Ore Separator.*



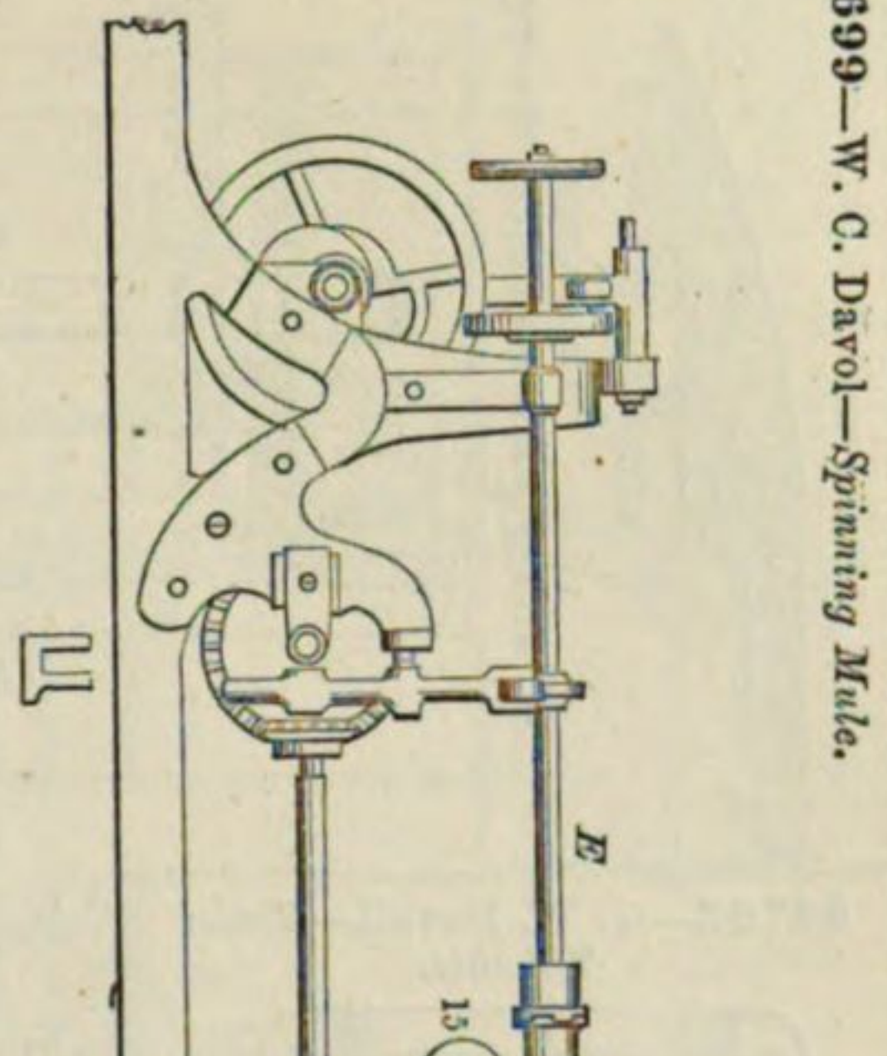
54701—E. Doty—*Washing Machine.*



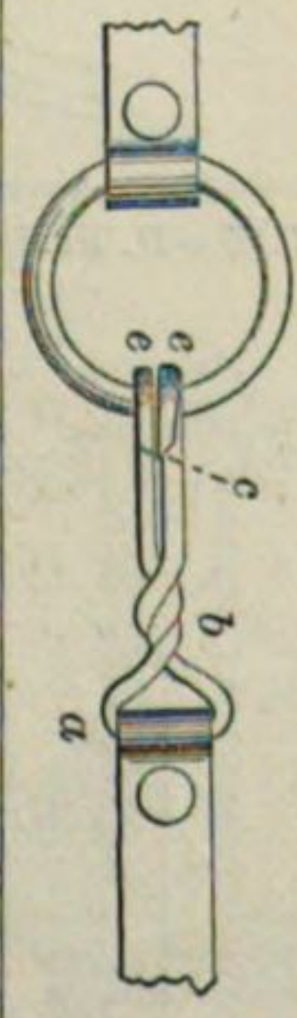
54698—G. Davidson—*Sextant.*



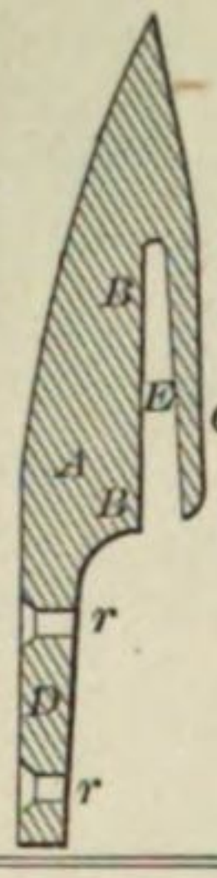
54699—W. C. Davol—*Spinning Mule.*



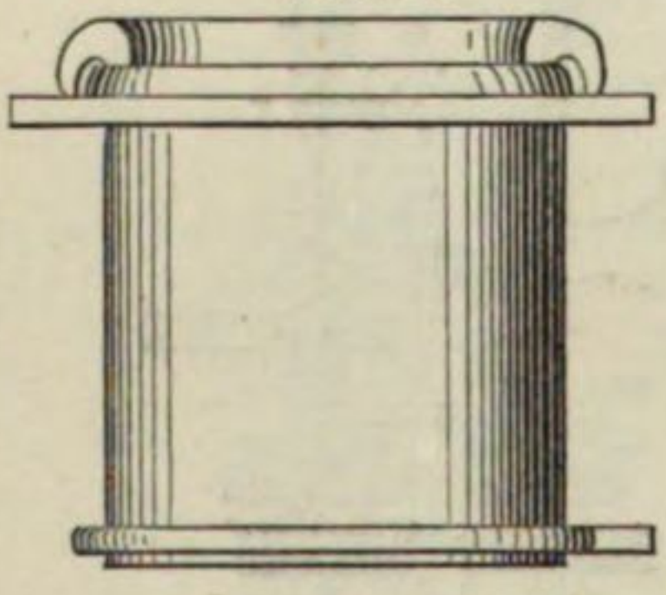
54700—G. W. Devin—*Harness Stamp.*



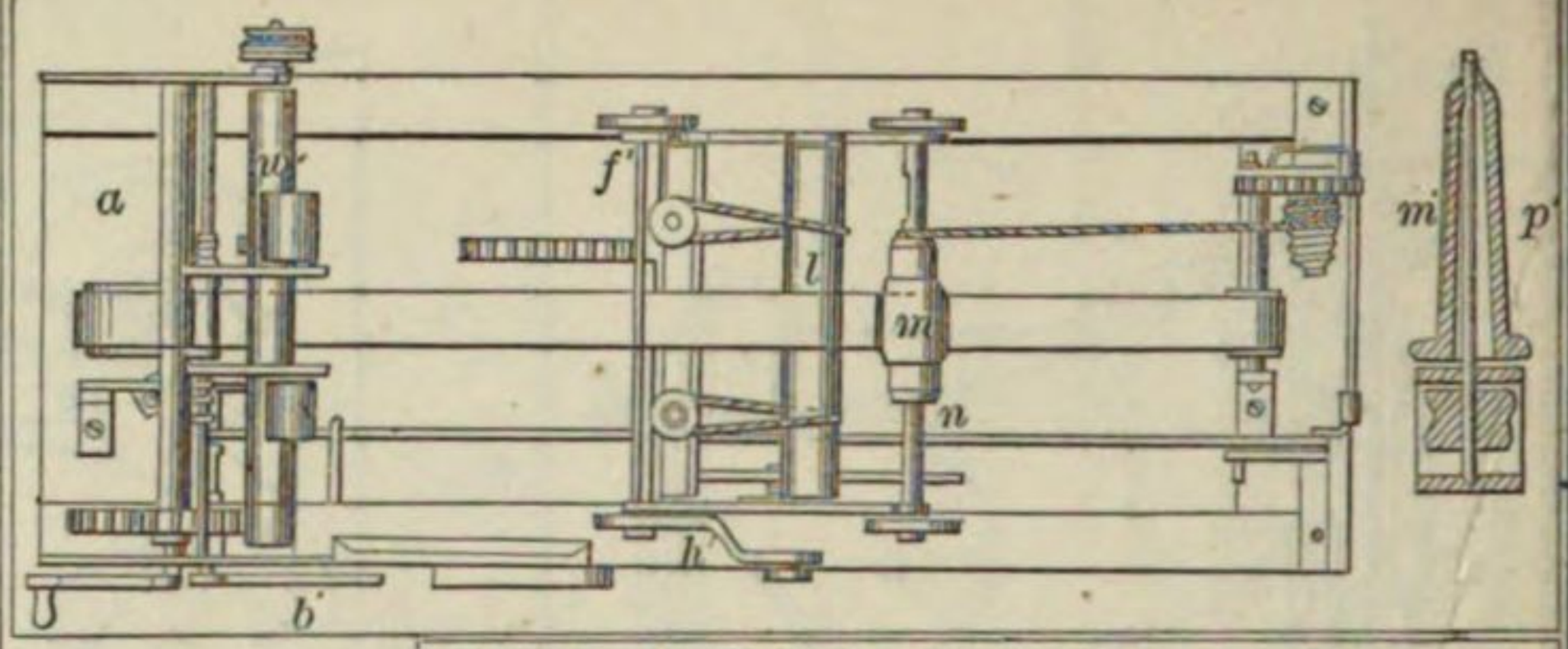
54702—R. Dutton—*Guard Finger for Harvesters.*



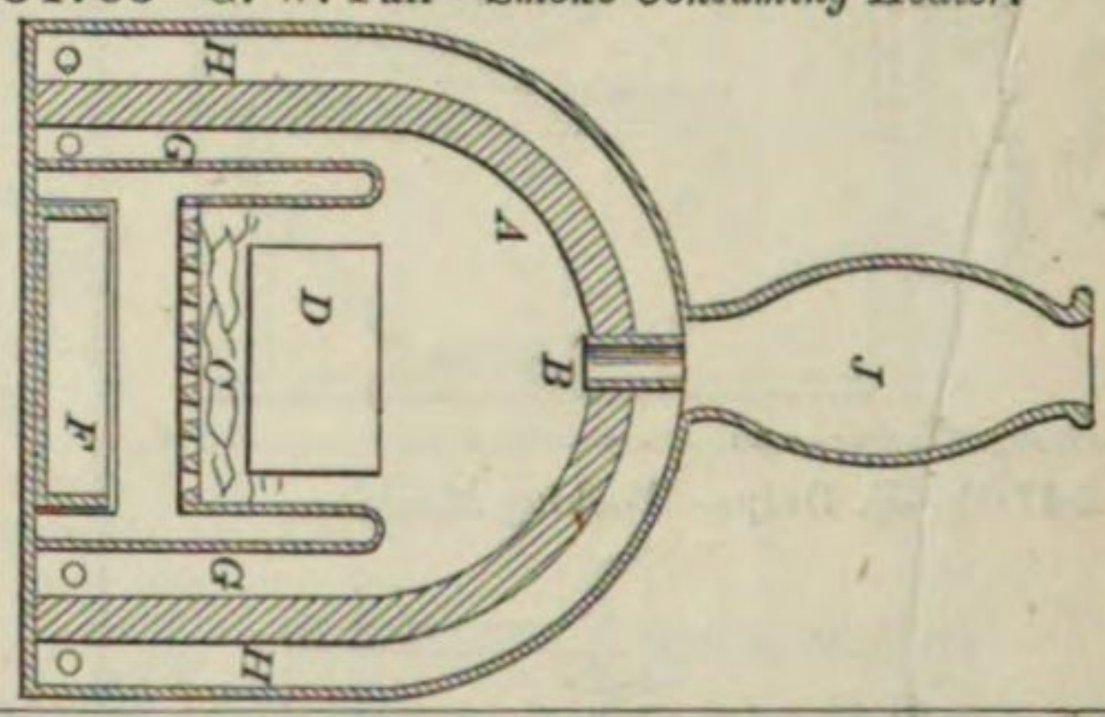
54703—G. W. Duvall—*Boiler Thimble.*



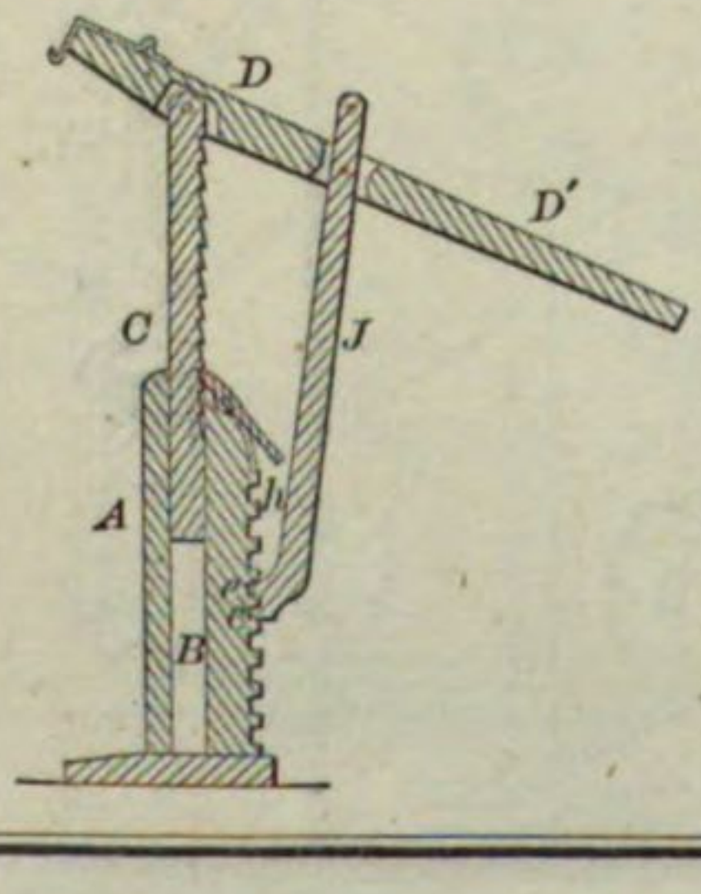
54704—W. Eberhard—*Spinning Machine.*



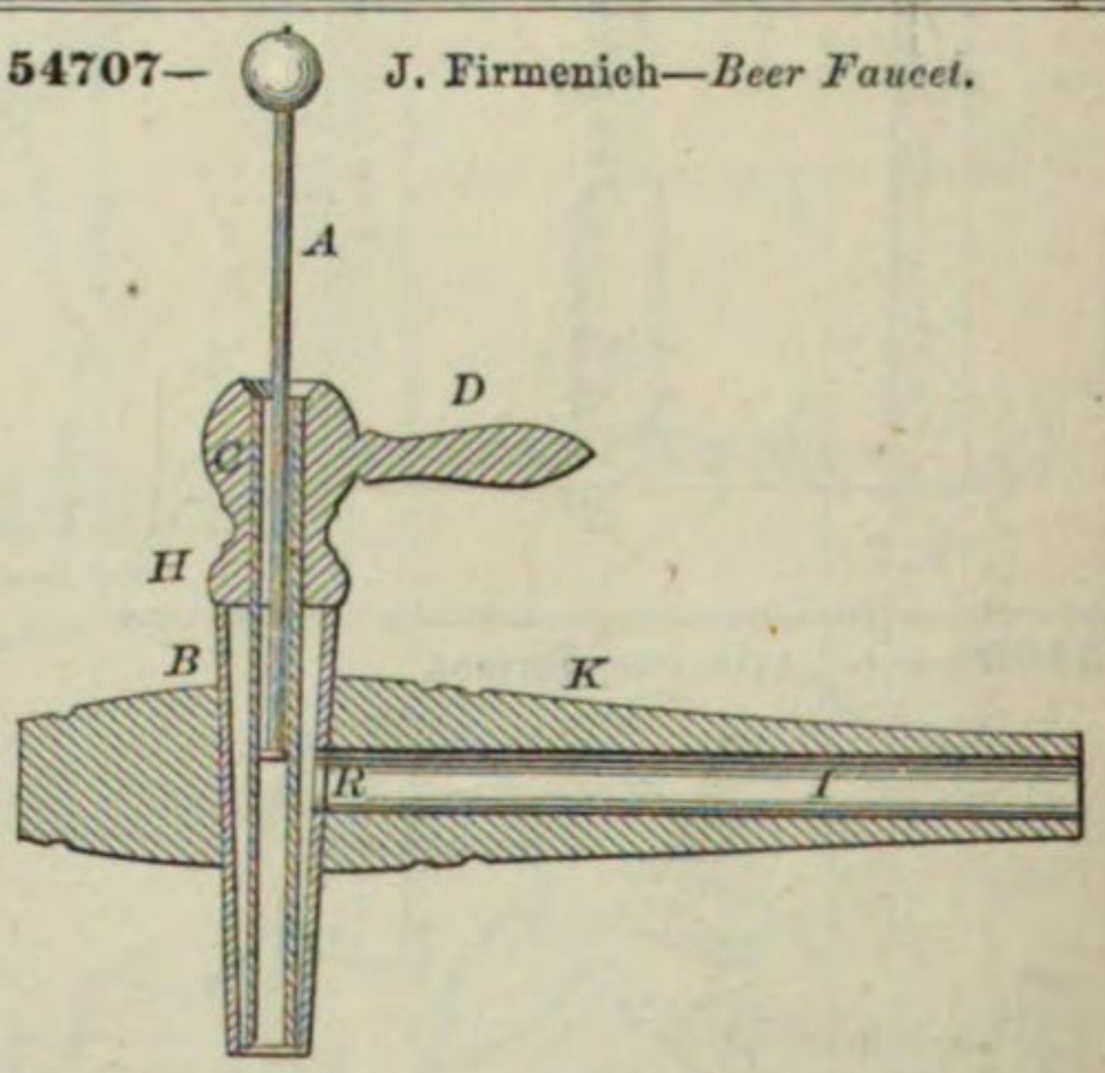
54705—G. W. Fair—*Smoke Consuming Heater.*



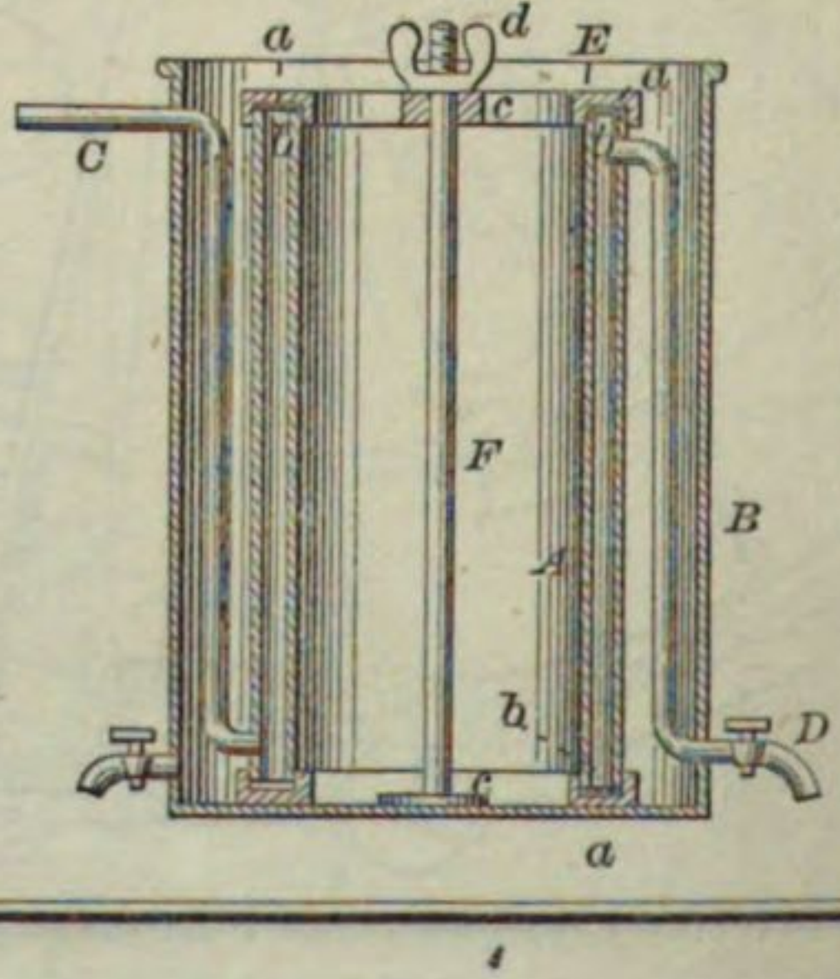
54706—D. Fasig—*Lifting Jack.*



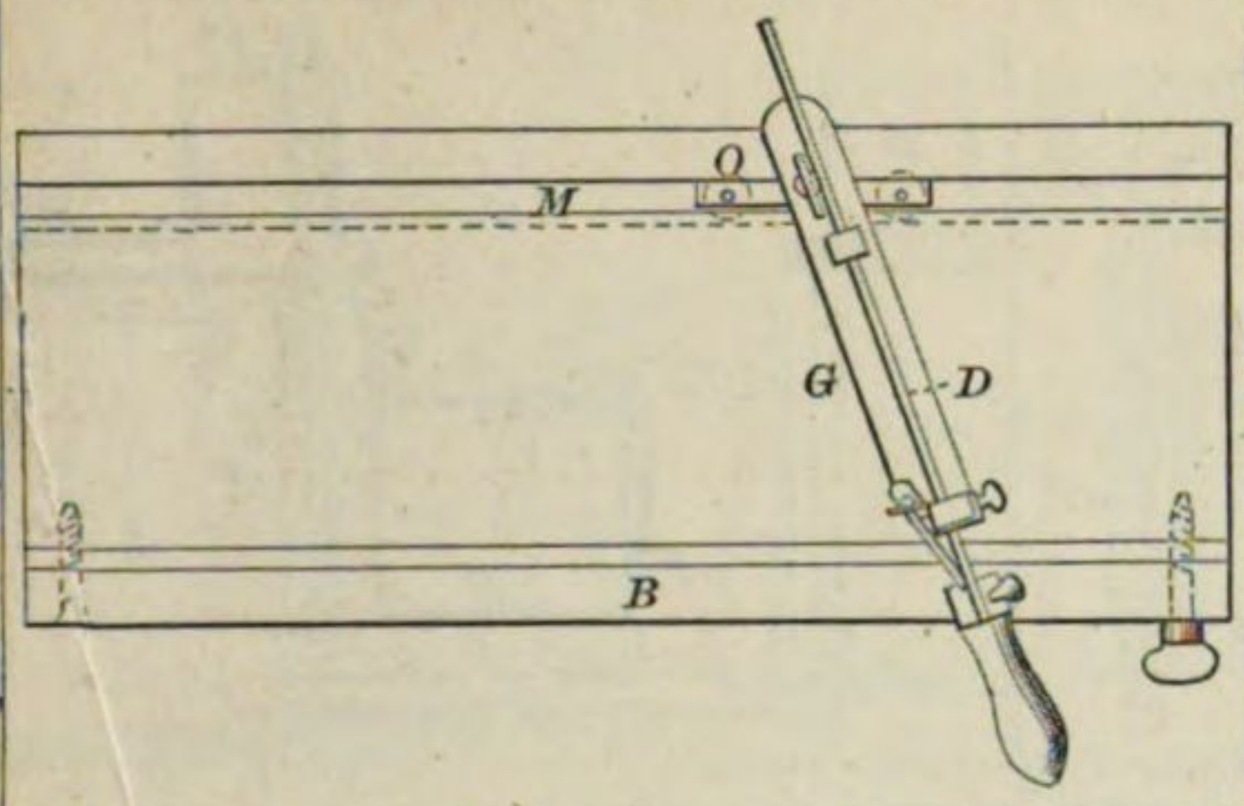
54707— J. Firmenich—*Beer Faucet.*



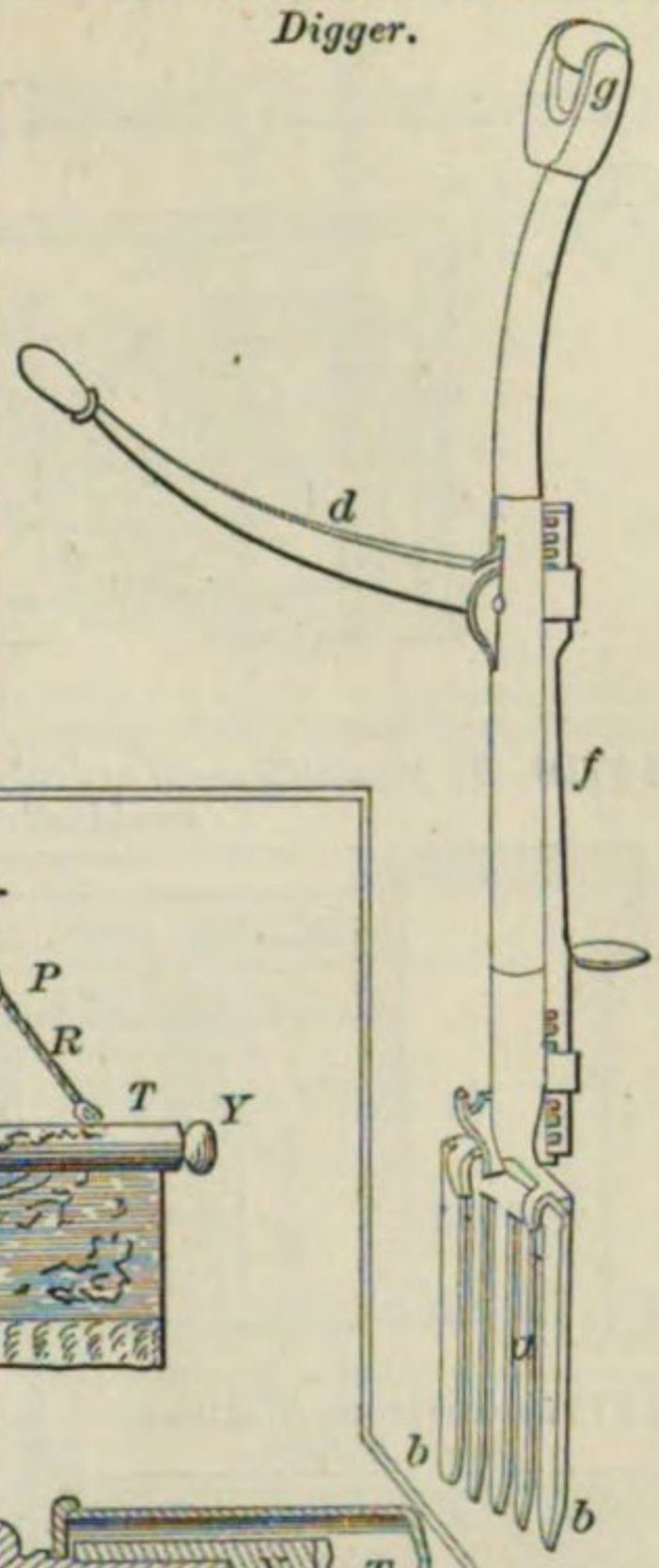
54708—A. Fischer—*Liquid Cooler.*



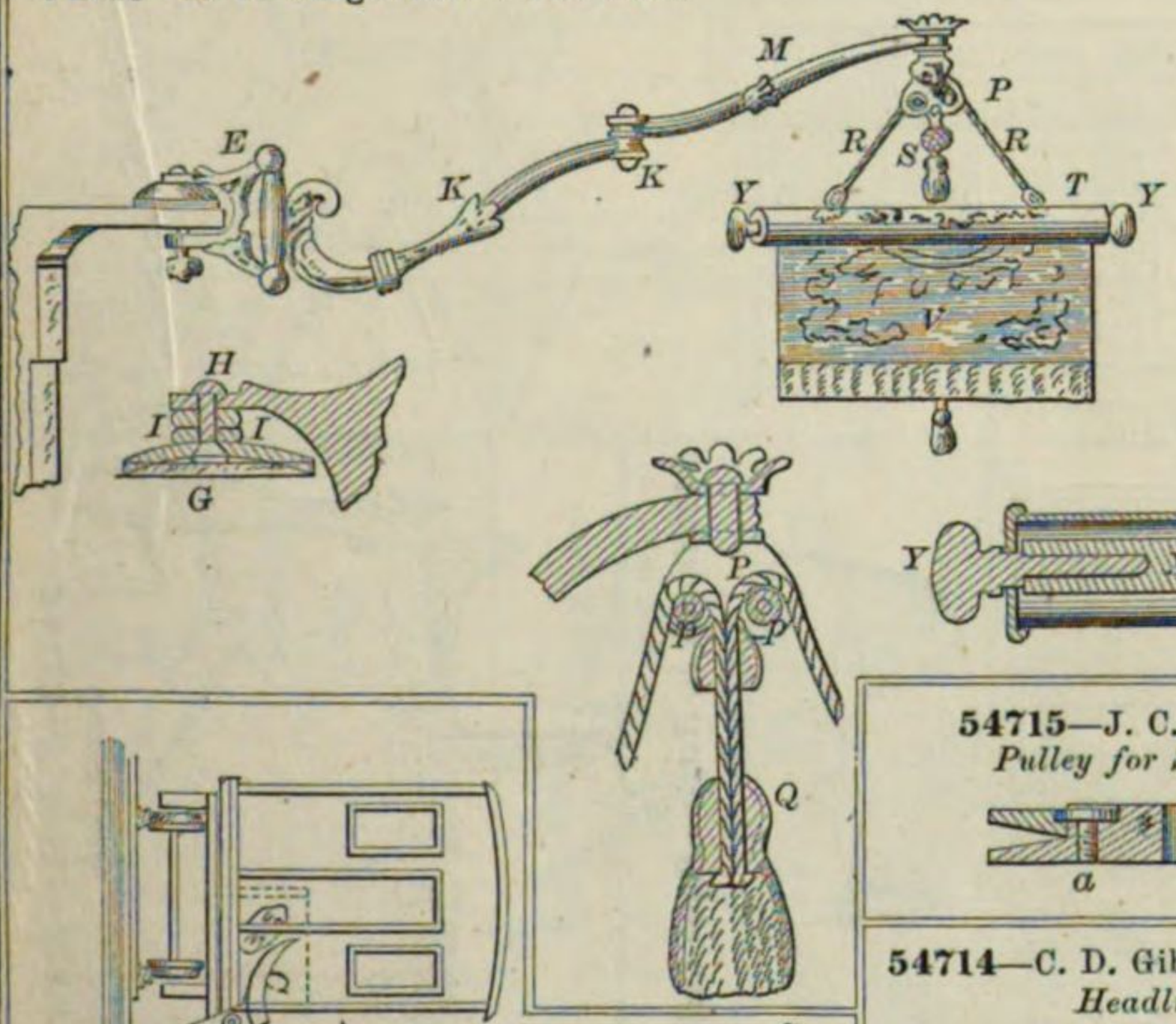
54709—Frazer & Hinchman—*Saw Filing Machine.*



54711—R. R. Frohock—*Garden Digger.*

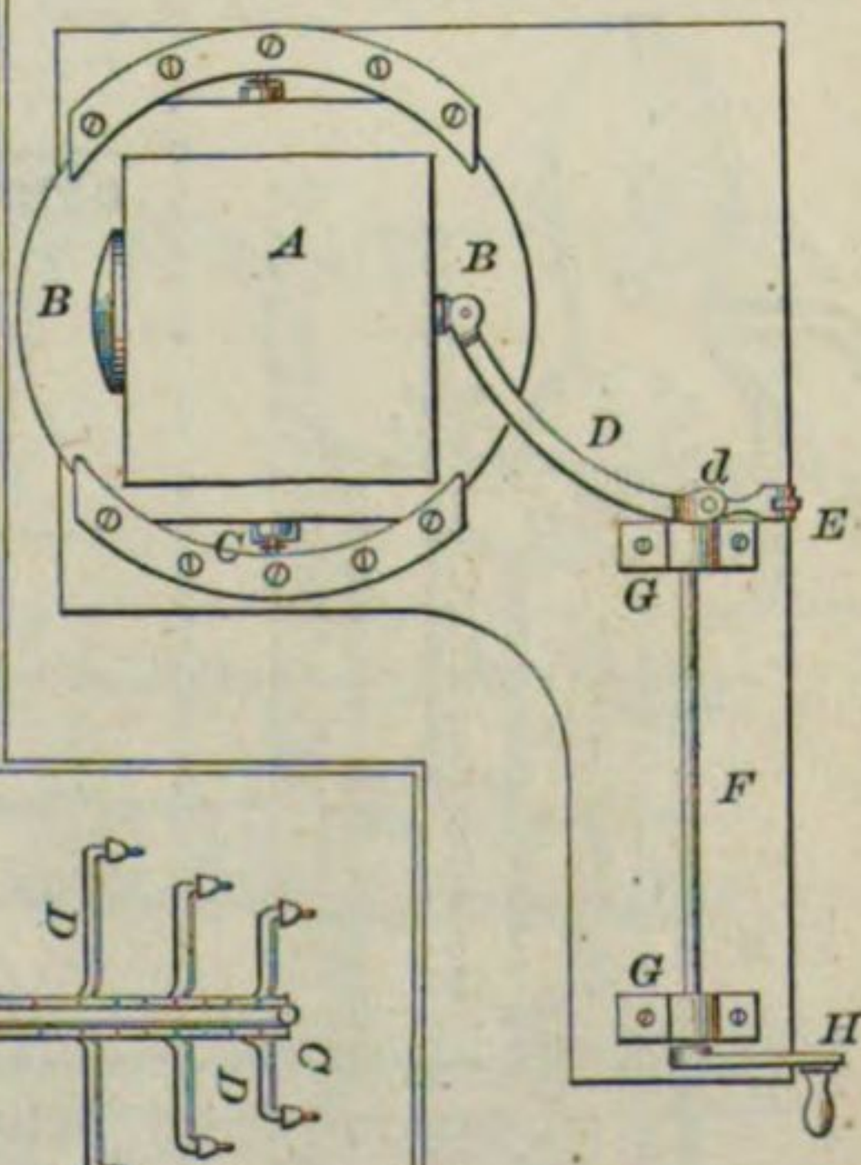


54713—H. P. Gengembre—*Fire Screen.*

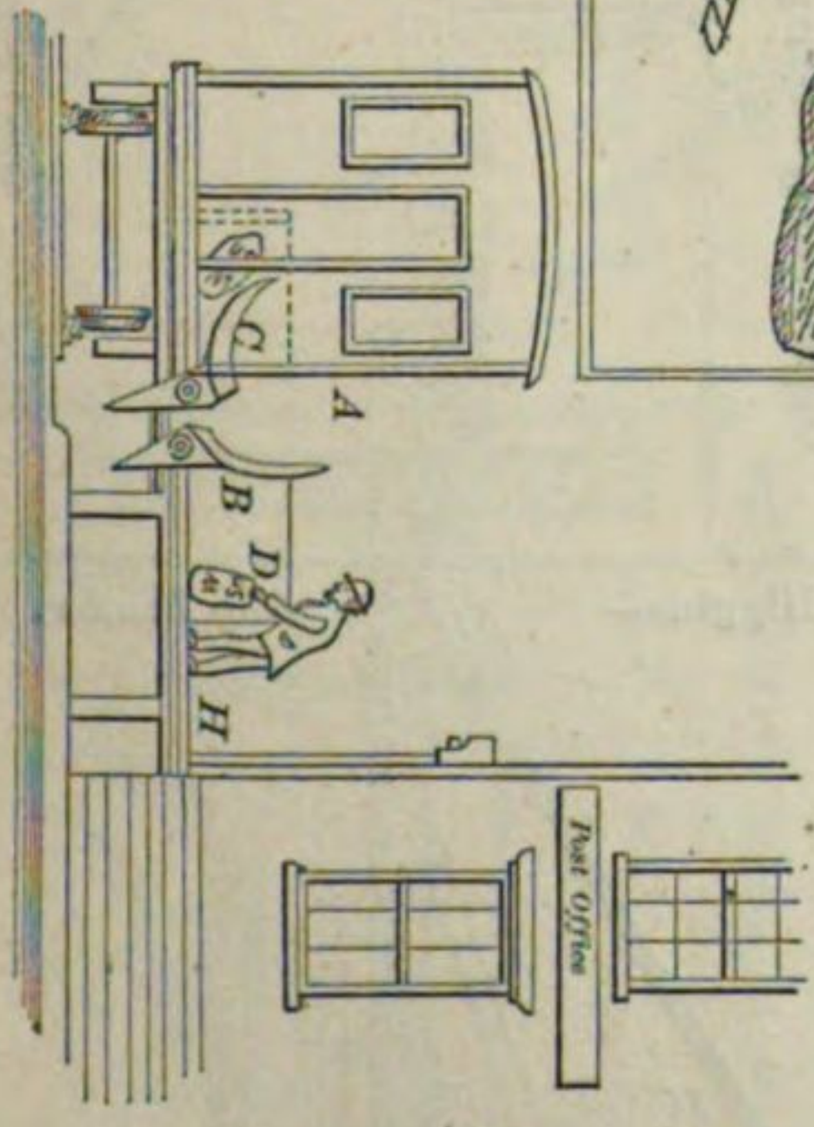


54715—J. C. Girardin—*Tension Pulley for Sewing Machines.*

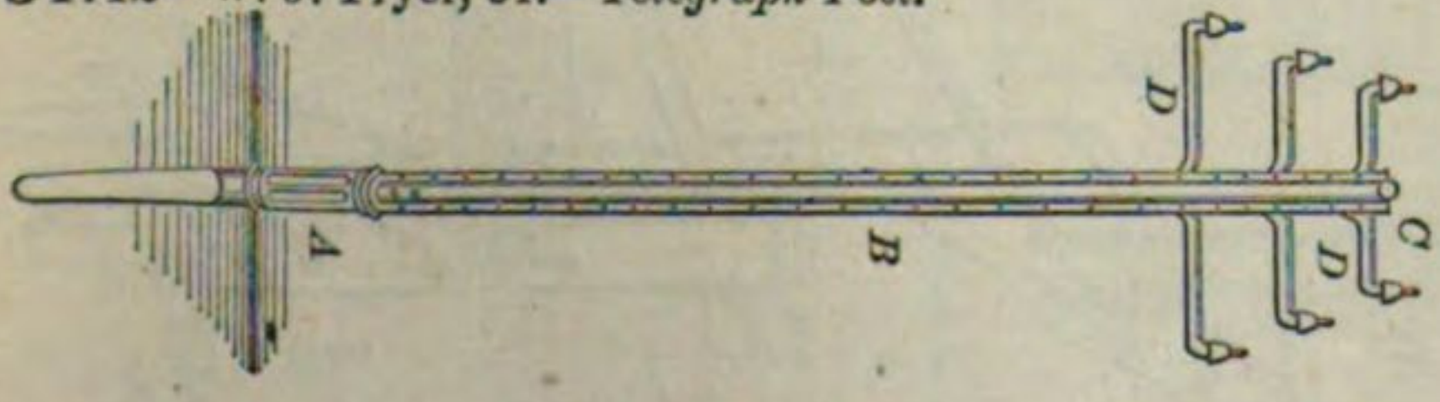
54714—C. D. Gibson—*Adjustment of Headlights.*



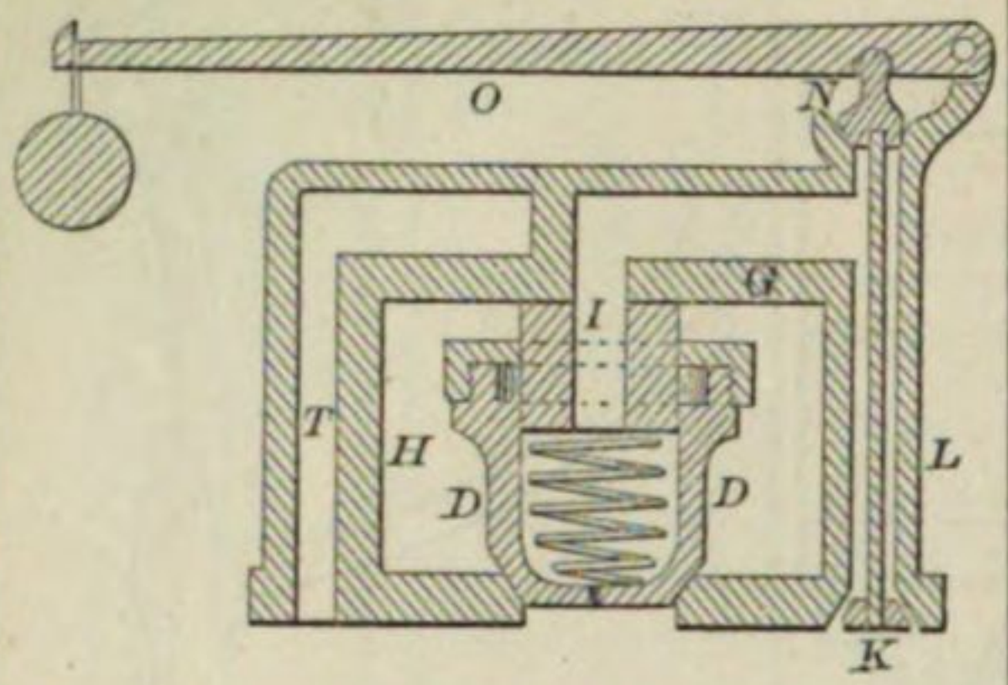
54710—Fredenburgh & Davidson—*Delivering Mail Bags upon Cars.*



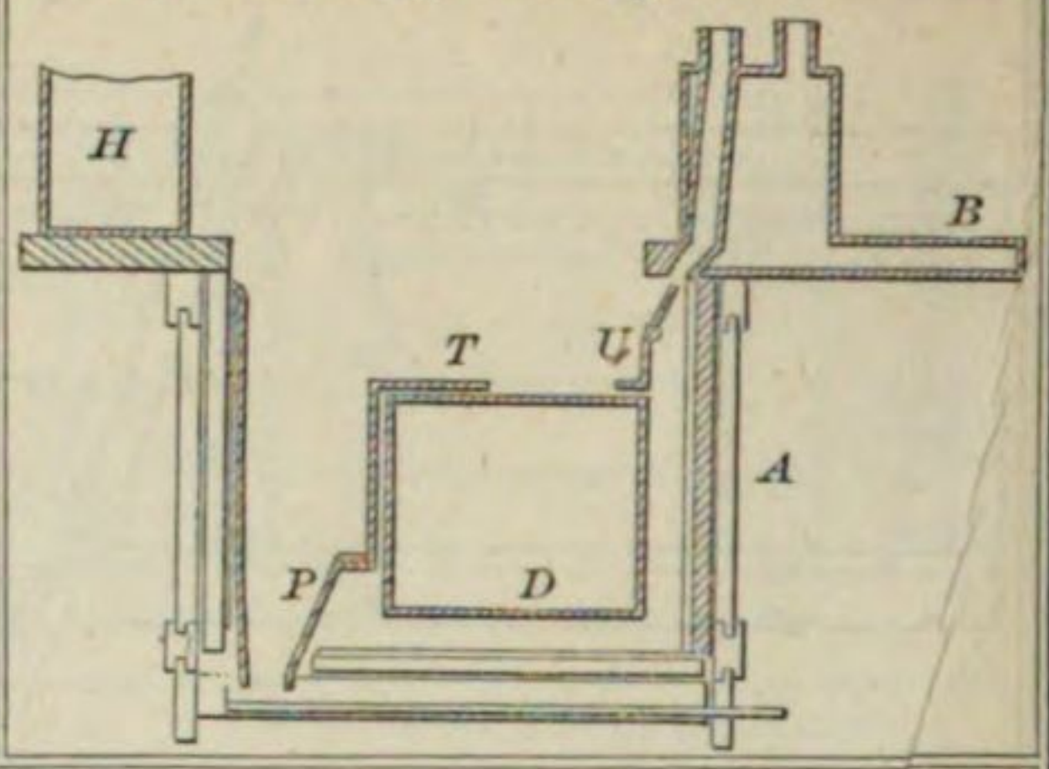
54712—W. J. Fryer, Jr.—*Telegraph Post.*



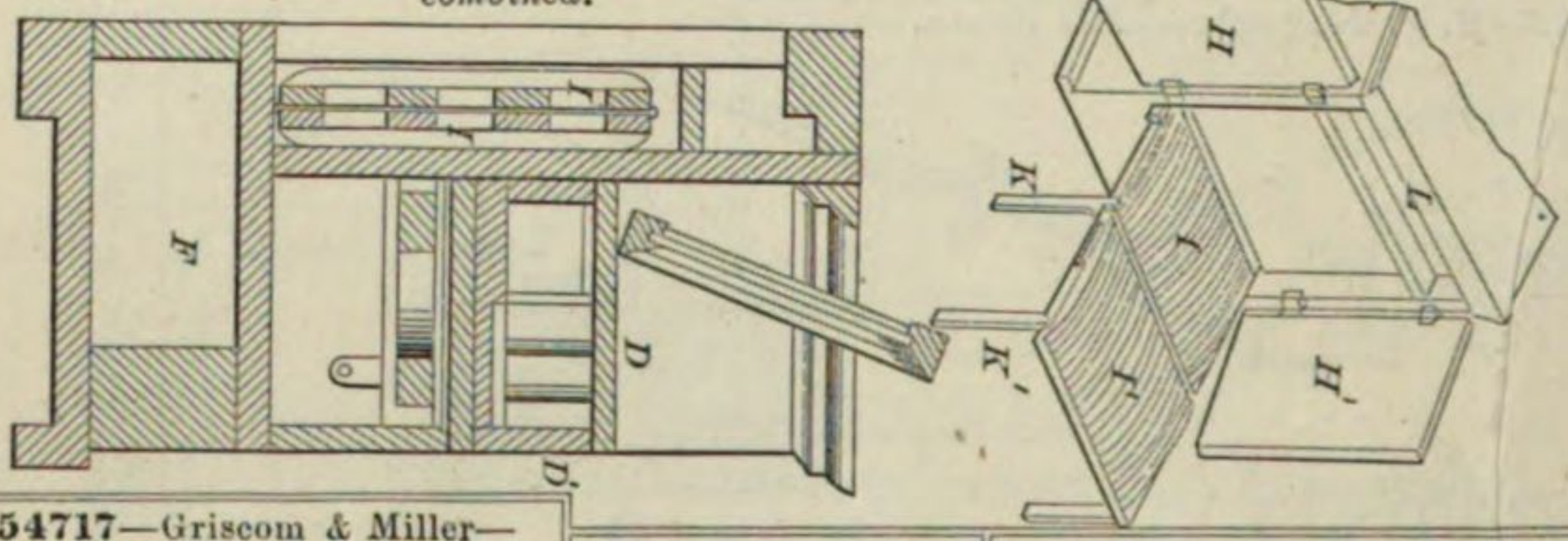
54716—V. D. Green—*Safety Valve.*



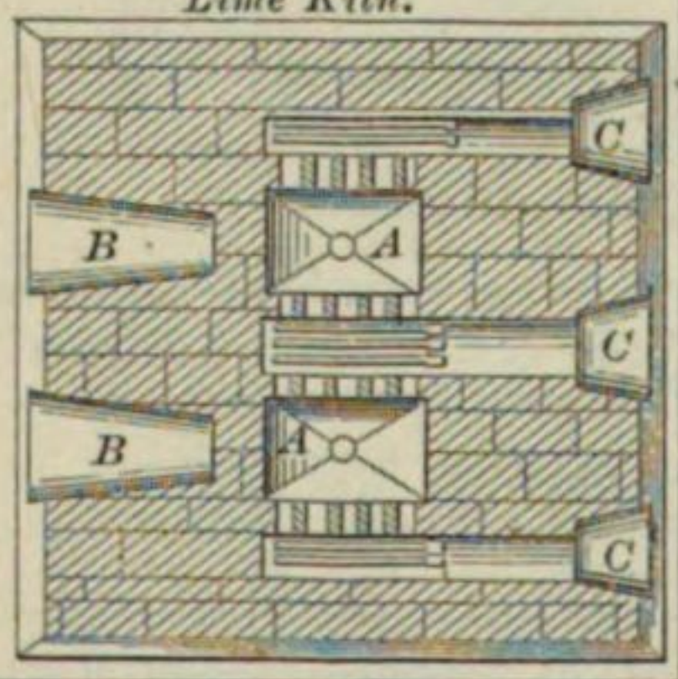
54721—D. Heilig—*Cooking Stove.*



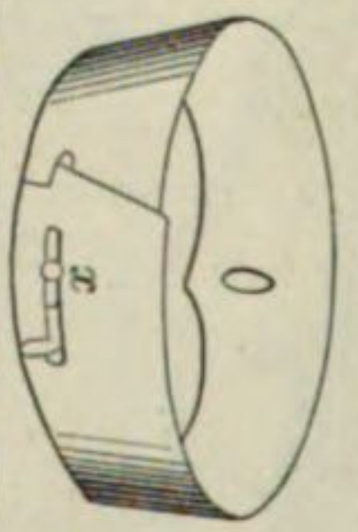
54718—E. Hambujer—*Wardrobe, Bureau, Bed, &c., combined.*



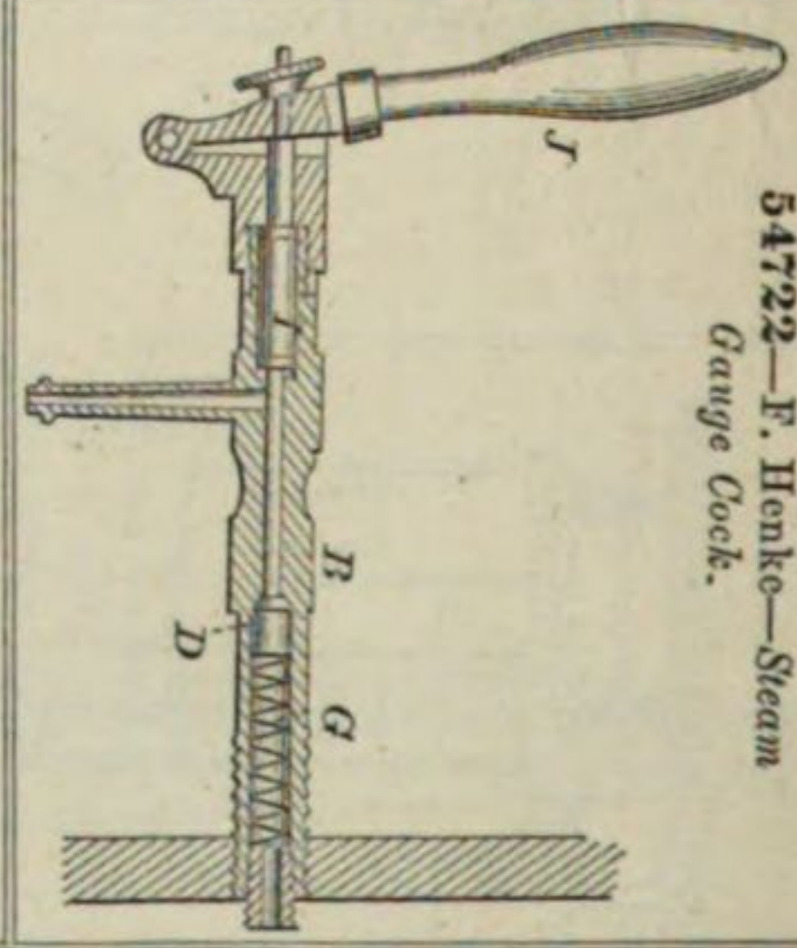
54717—Griscom & Miller—*Lime Kiln.*



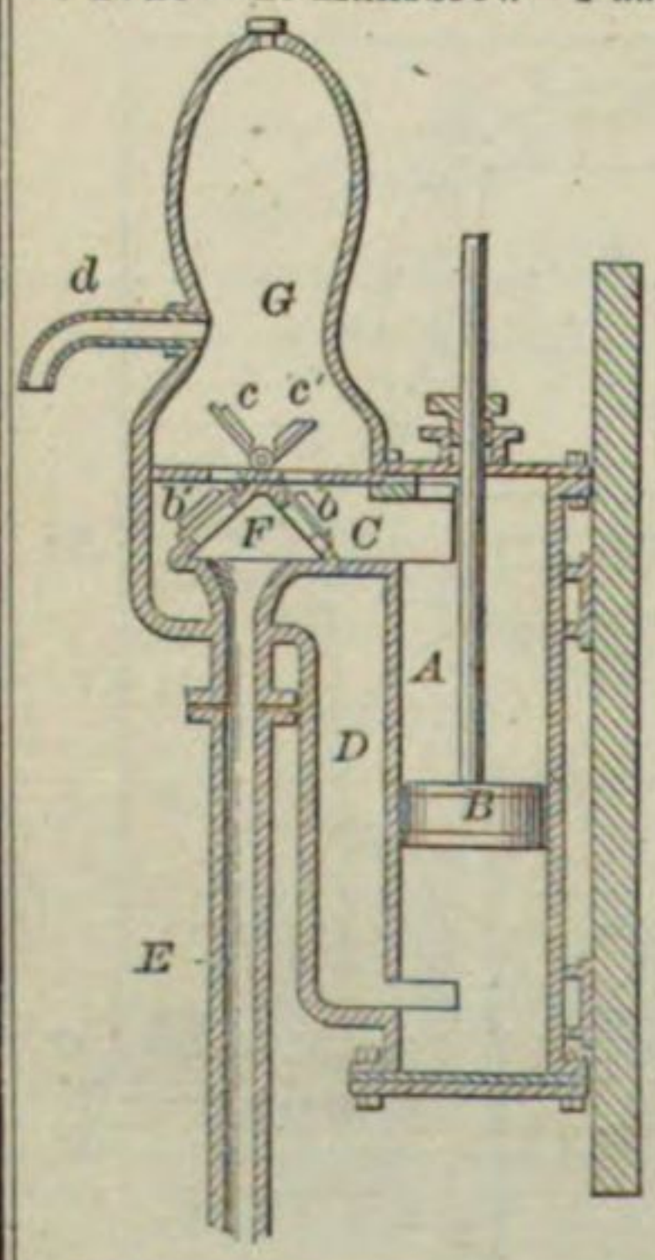
54720—W. B. Harris—*Paper Collar.*



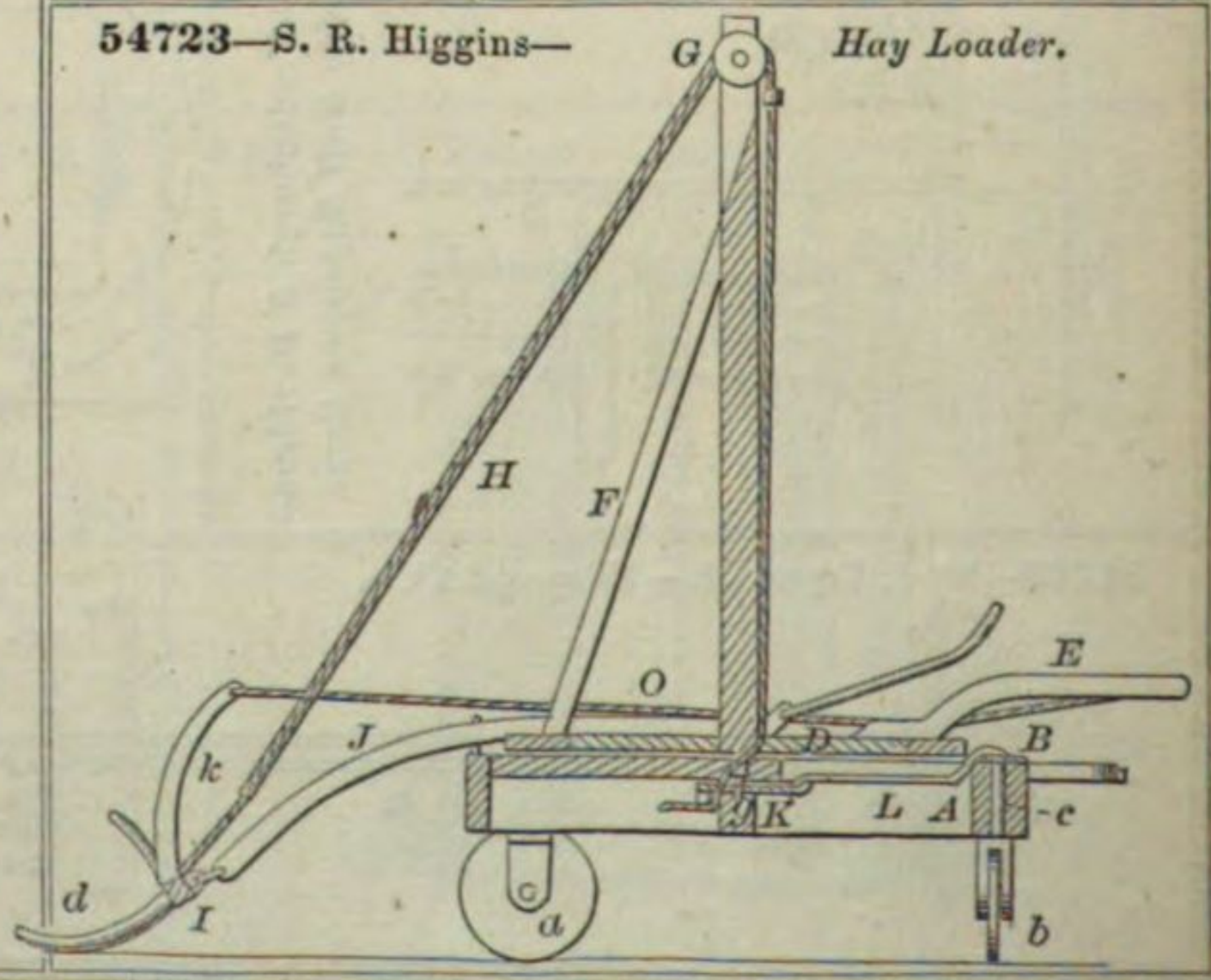
54722—F. Henke—*Steam Gauge Cock.*



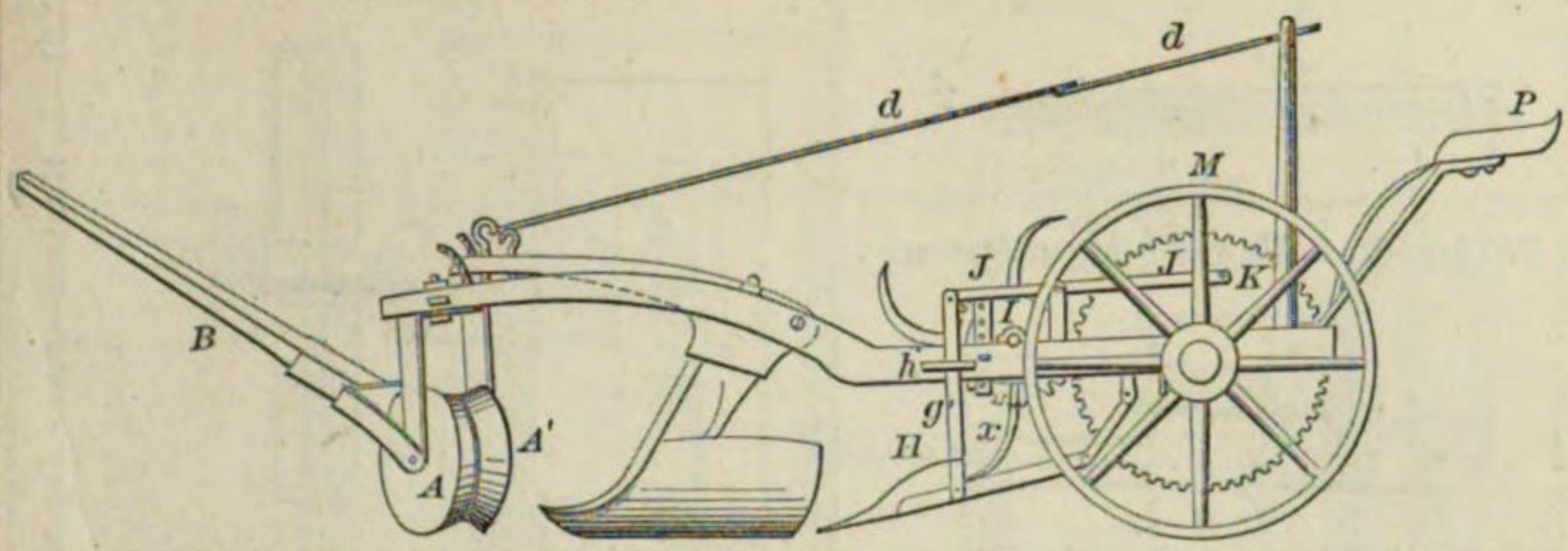
54719—T. Hansbrow—*Pump.*



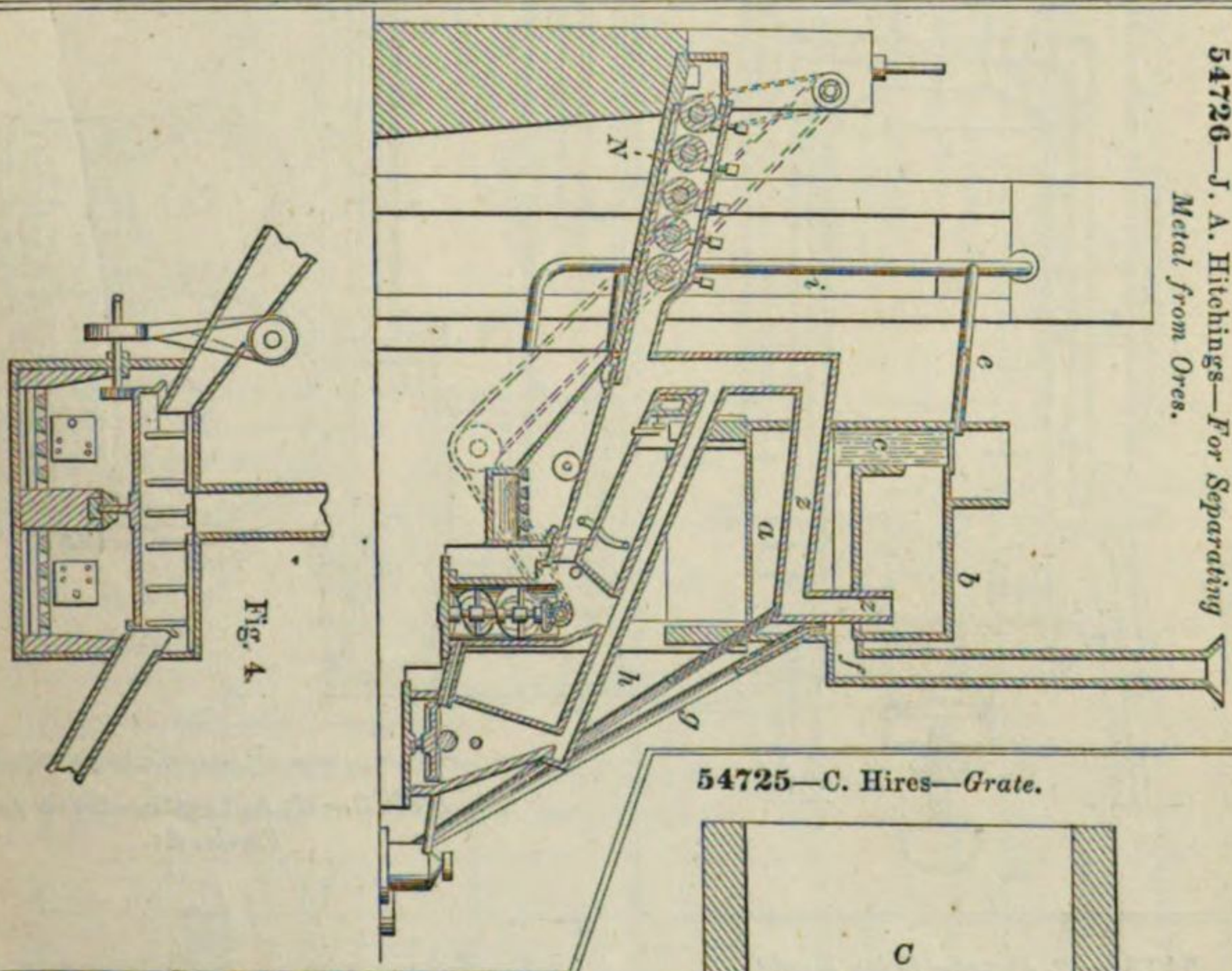
54723—S. R. Higgins—*Hay Loader.*



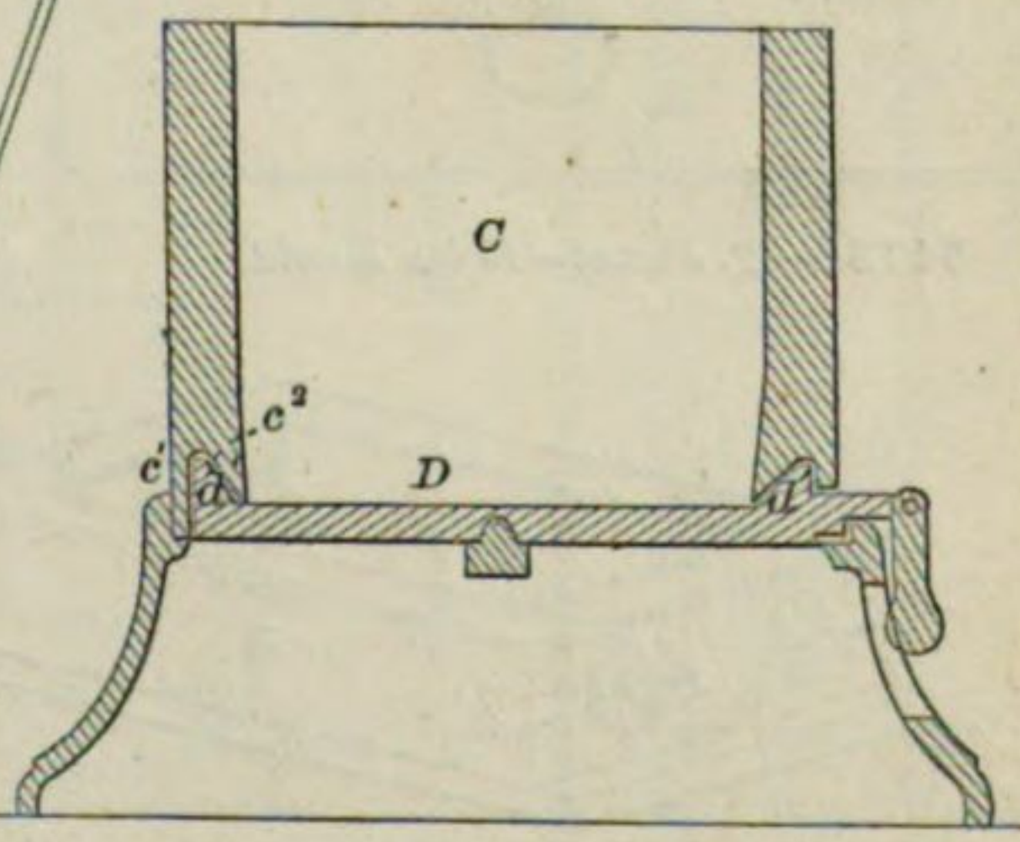
54724—J. J. Hill—*Potato Harvester.*



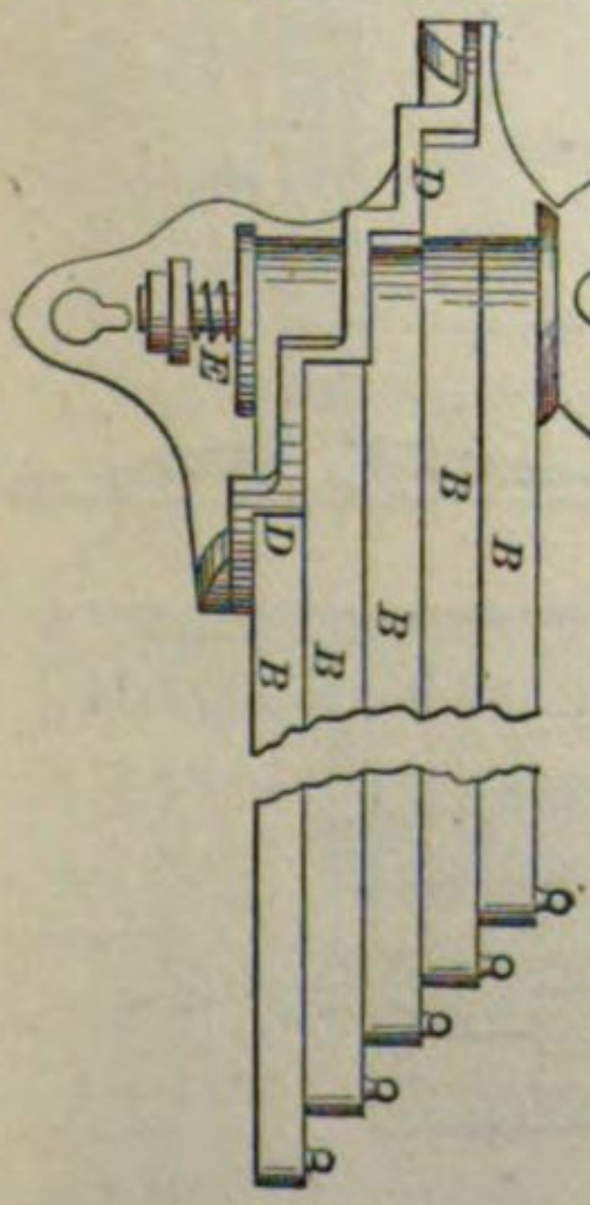
54726—J. A. Hitchings—*For Separating Metal from Ores.*



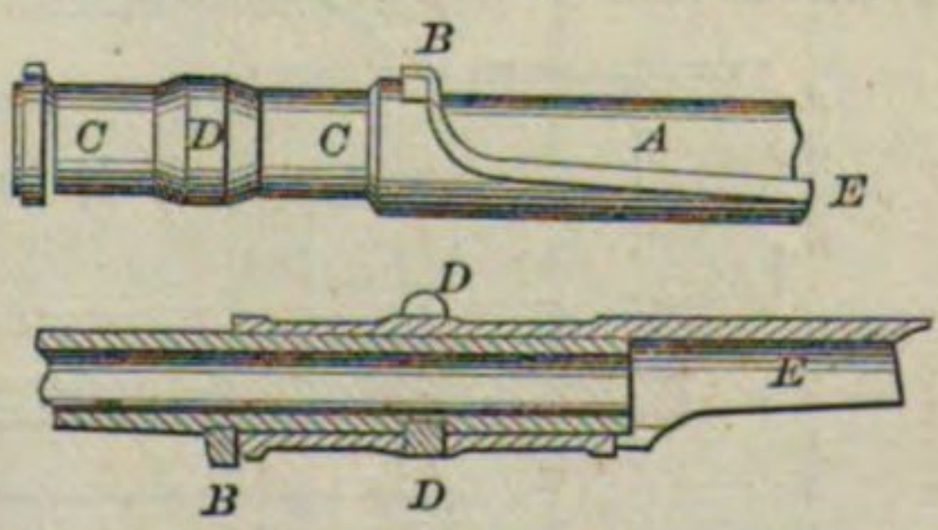
54725—C. Hires—*Grate.*



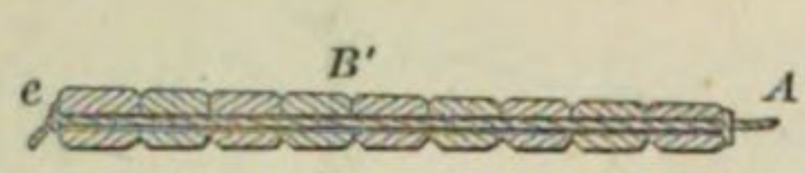
54727—M. D. Hotchkiss—*Clothes Dryer.*



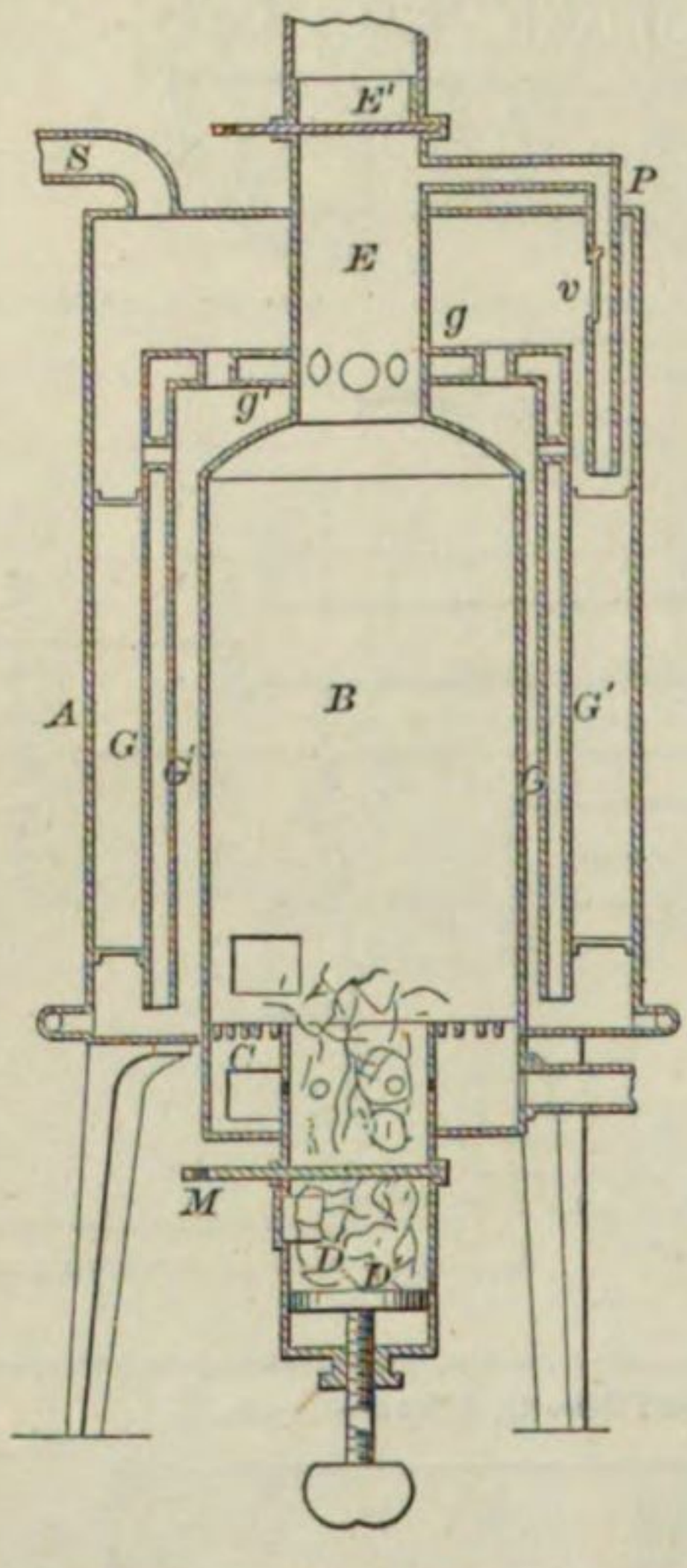
54728—C. Howard—*Bayonet Attachment.*



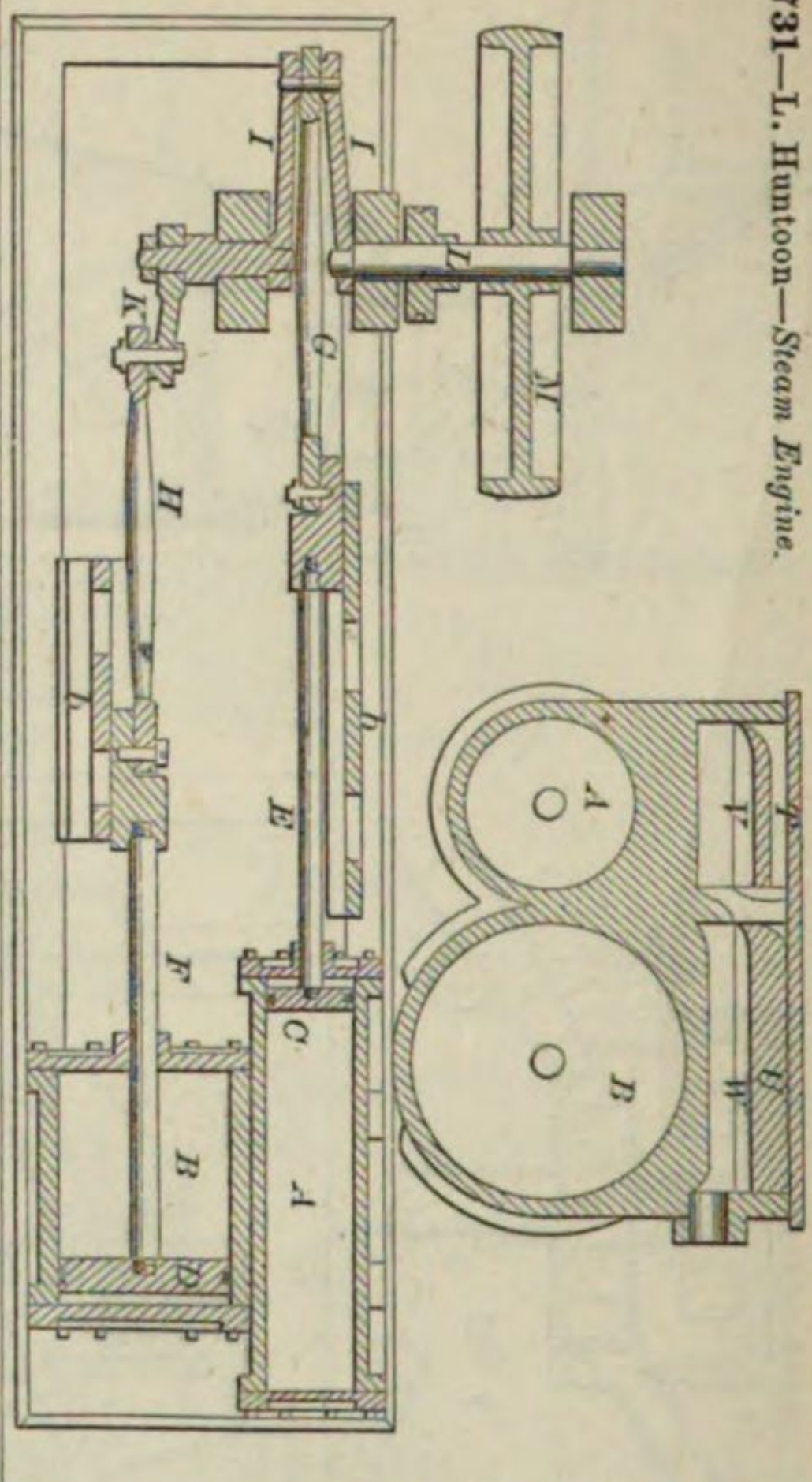
54729—E. Howe—*Tethering Halter.*



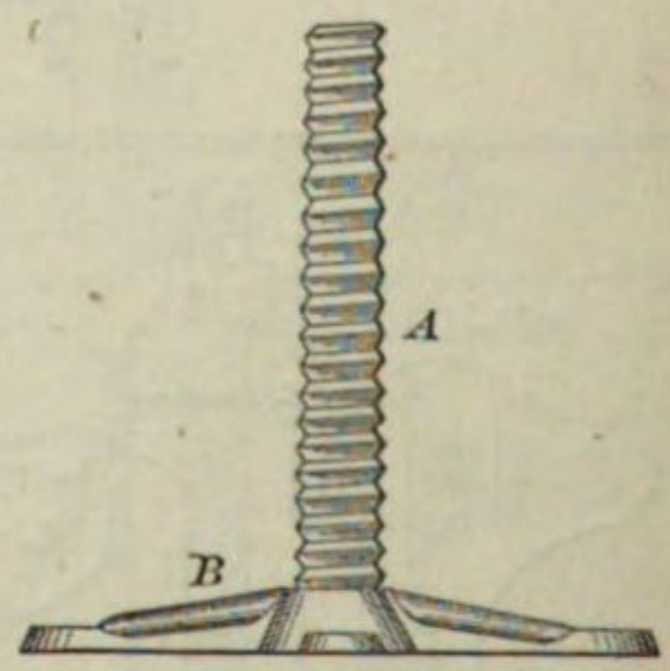
54730—D. C. Howell—*Steam Generator.*



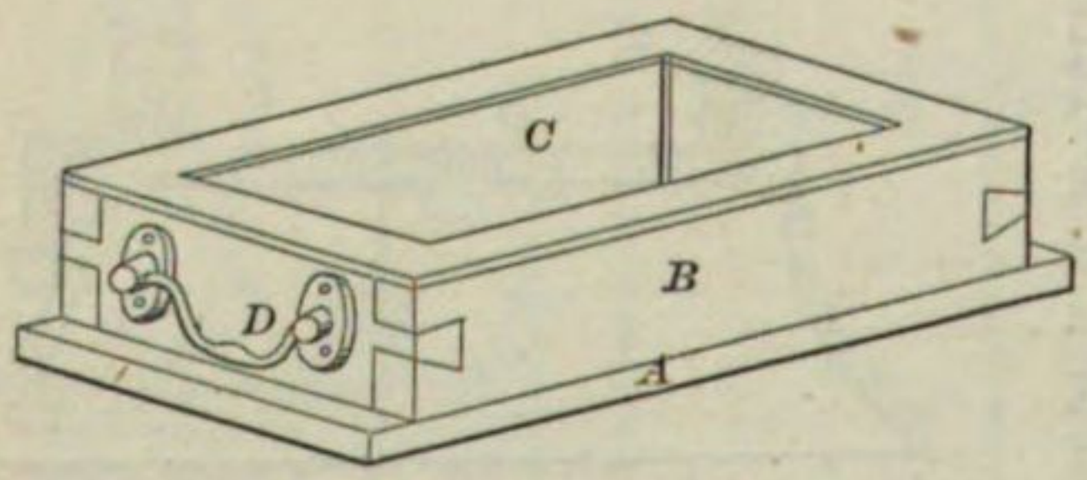
54731—L. Huntoon—*Steam Engine.*



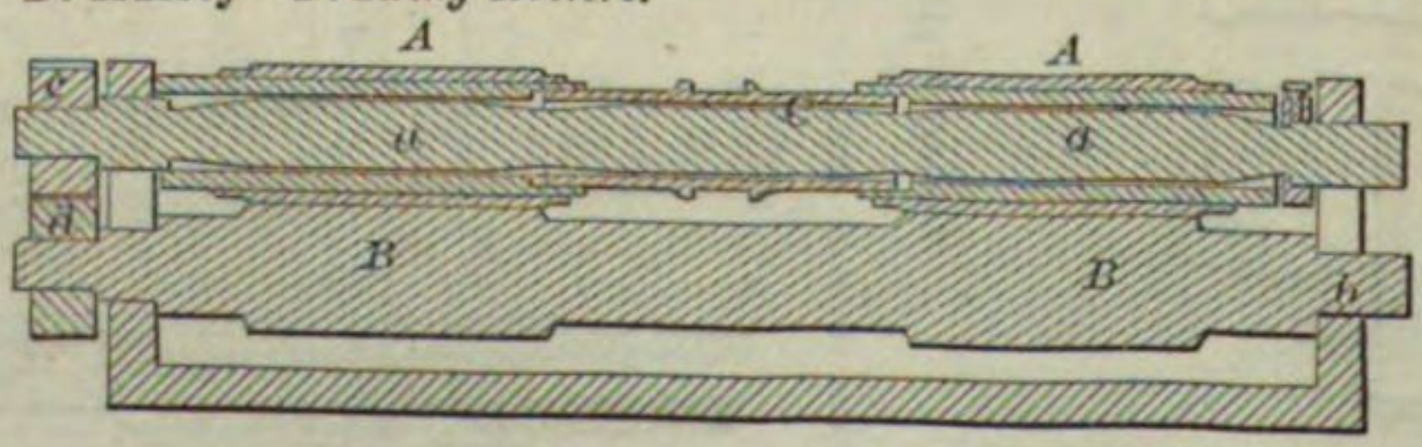
54733—W. A. Ingalls—*Screw for Stools, &c.*



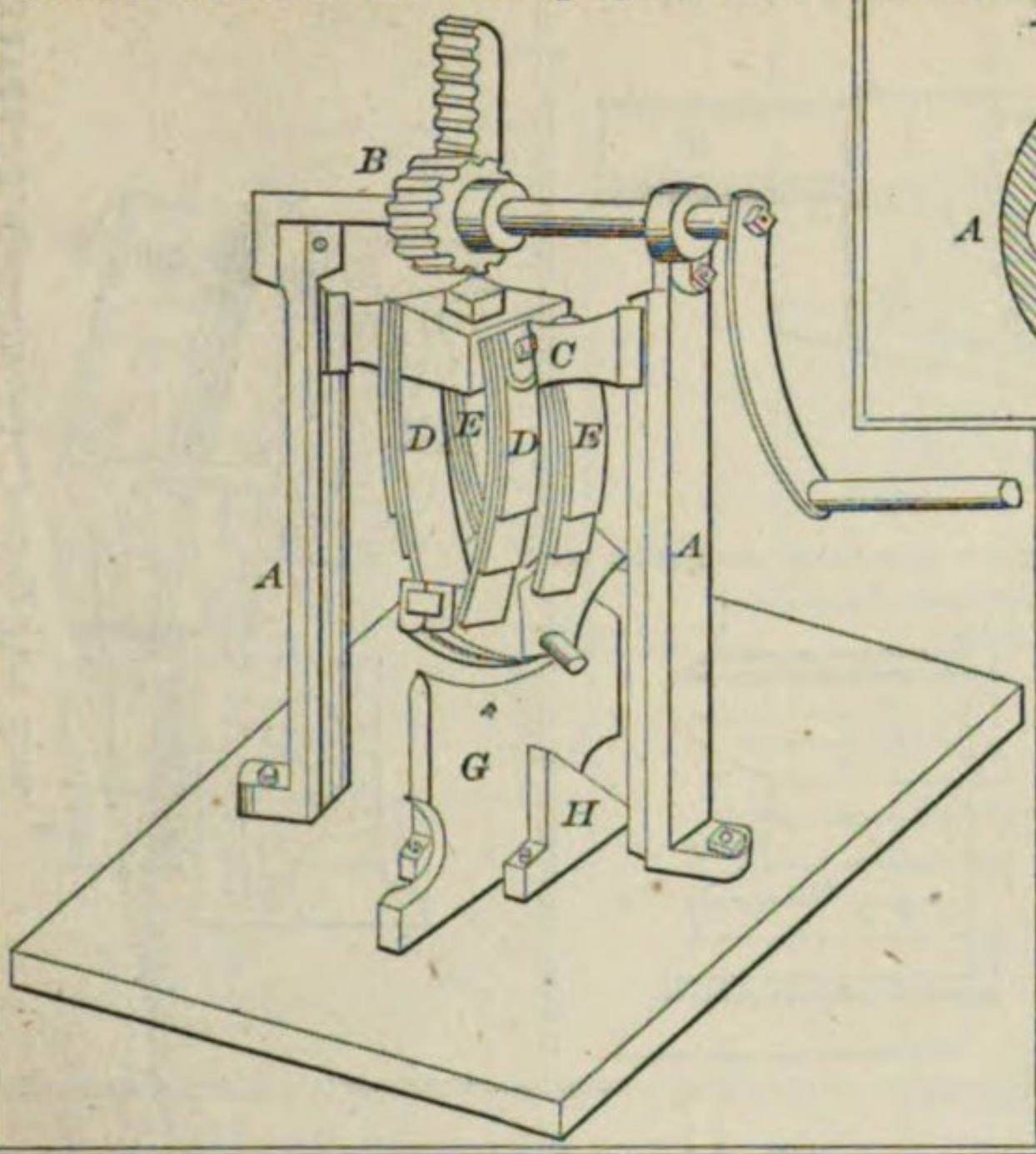
54734—T. James—*Brick Mould.*



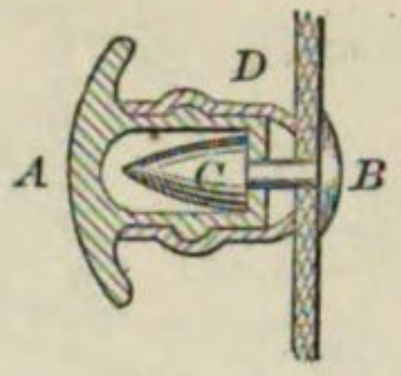
54732—D. Hussey—*Drawing Rollers.*



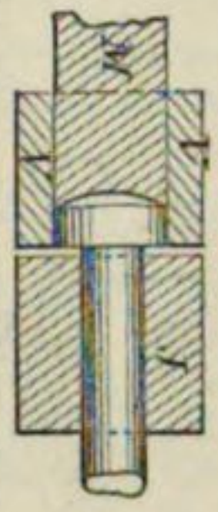
54735—J. P. Jamison—*Crimping Machine.*



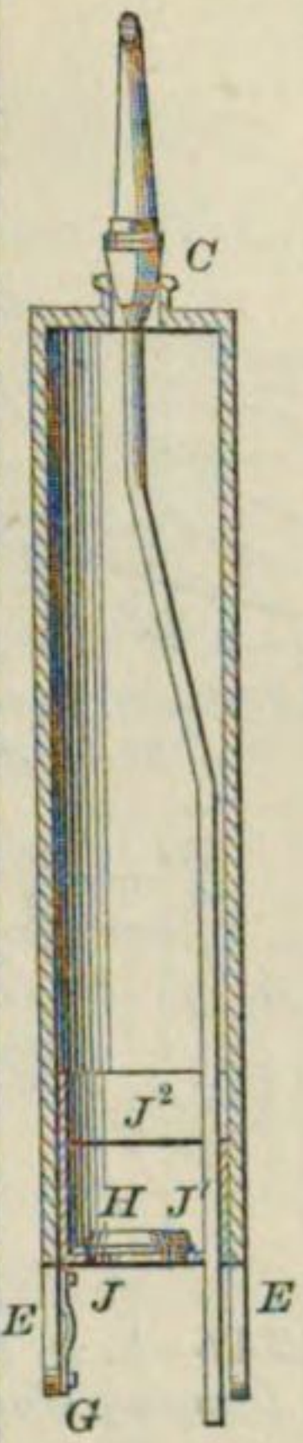
54736—J. M. Johnson—*Button.*



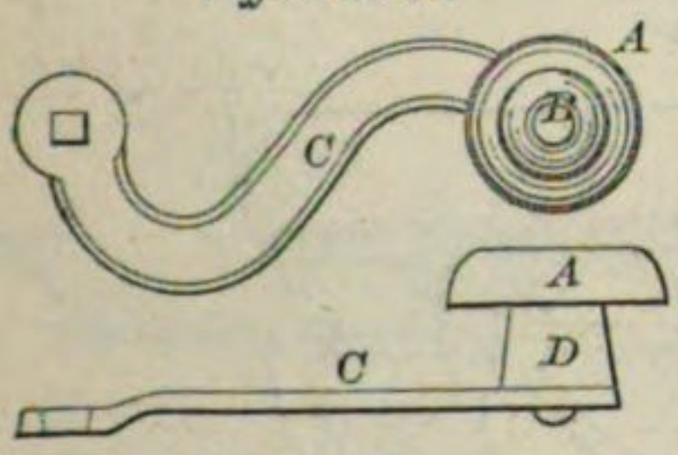
54738—C. Kane—*Die for Heading Bolts.*



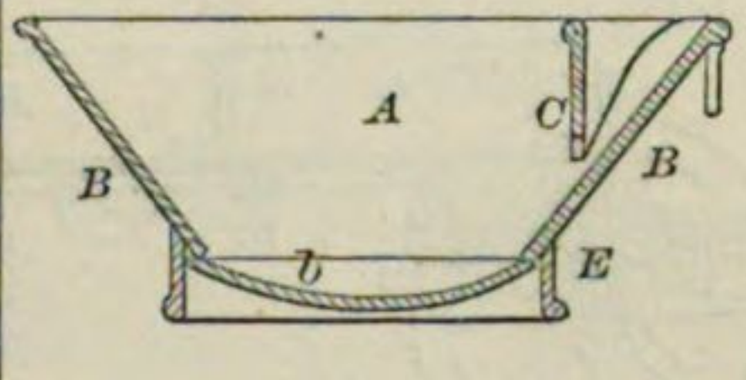
54739—J. P. Kibler—*Sand Pump.*



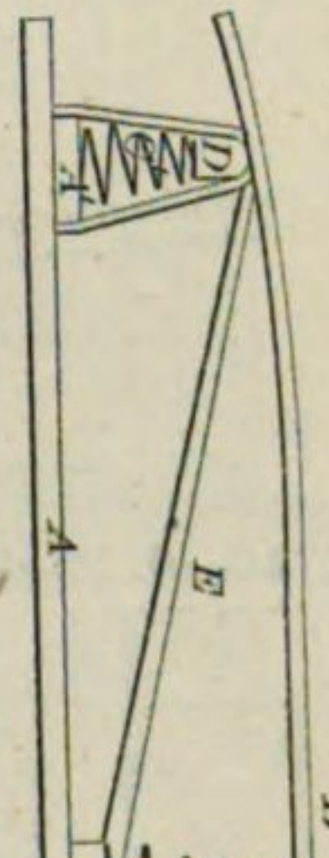
54740—J. Kinzer—*Handle for Coffee Mills.*



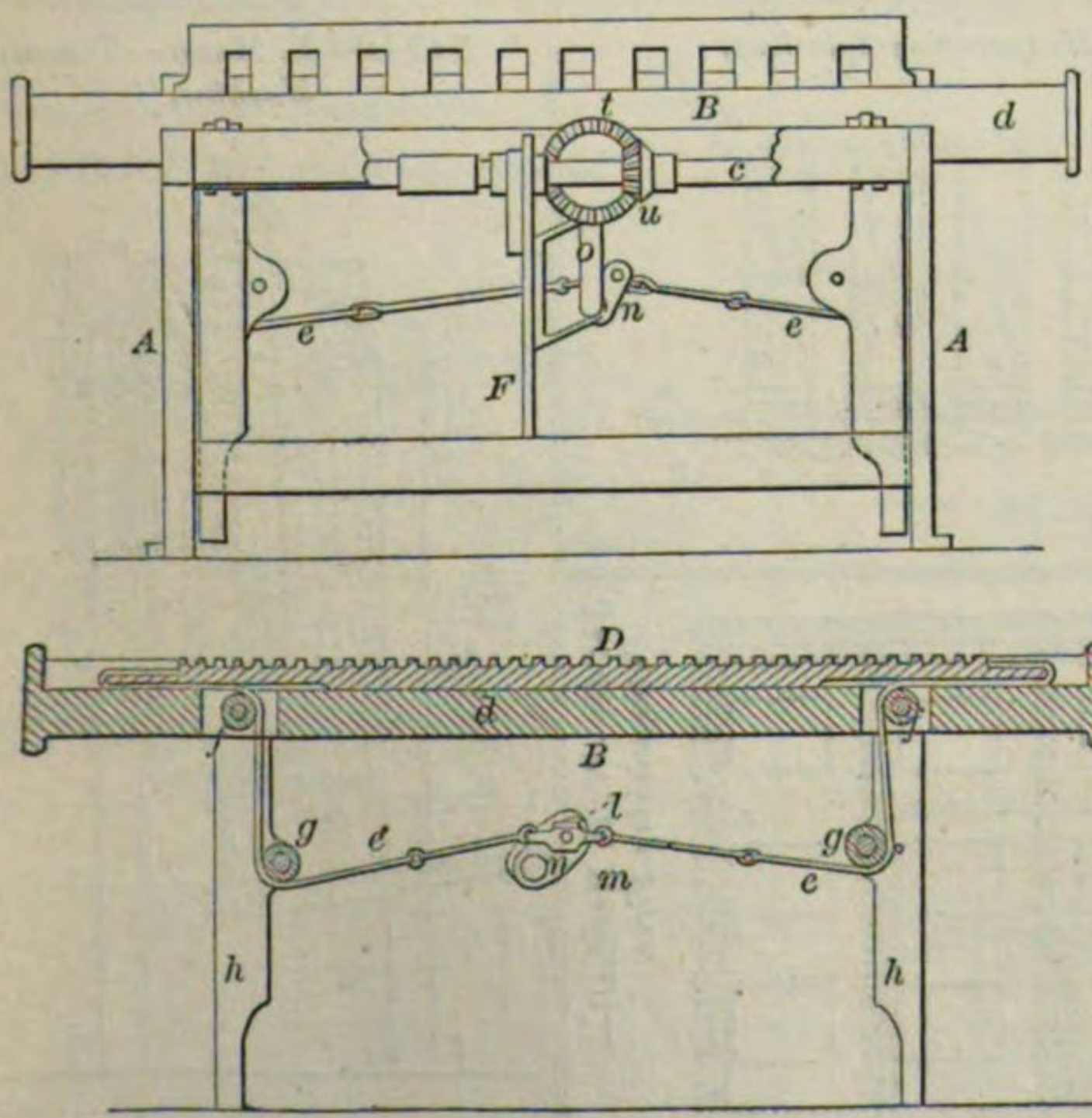
54741—J. C. Knoepke—*Wash Basin.*



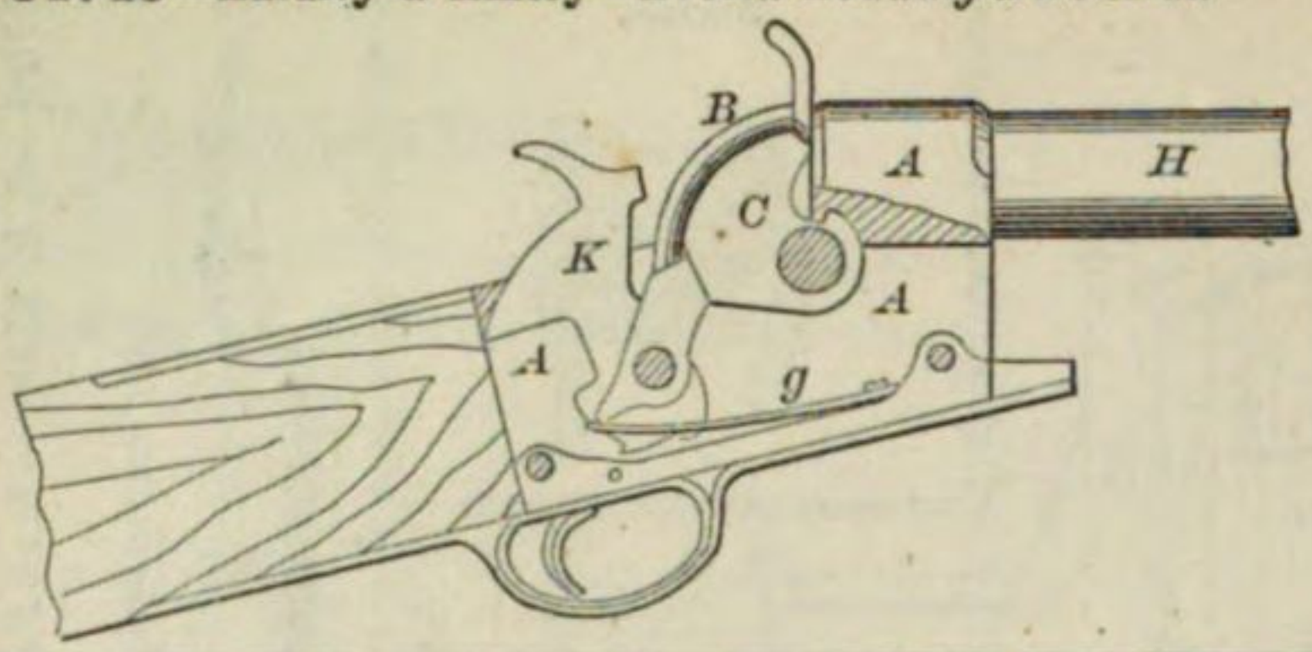
54737—W. Jones—*Bed Bottom.*



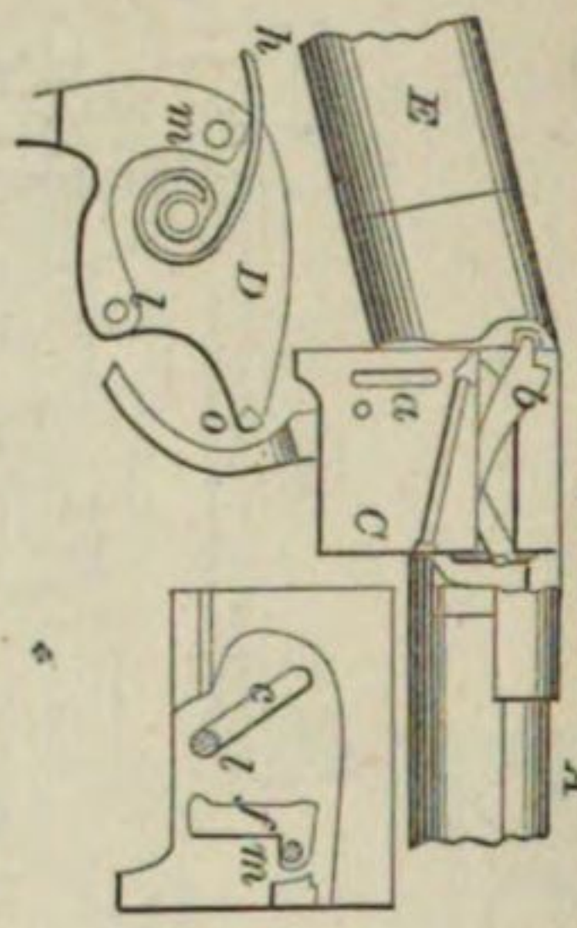
54742—L. J. Knowles—*Loom for Weaving Tapes, &c.*



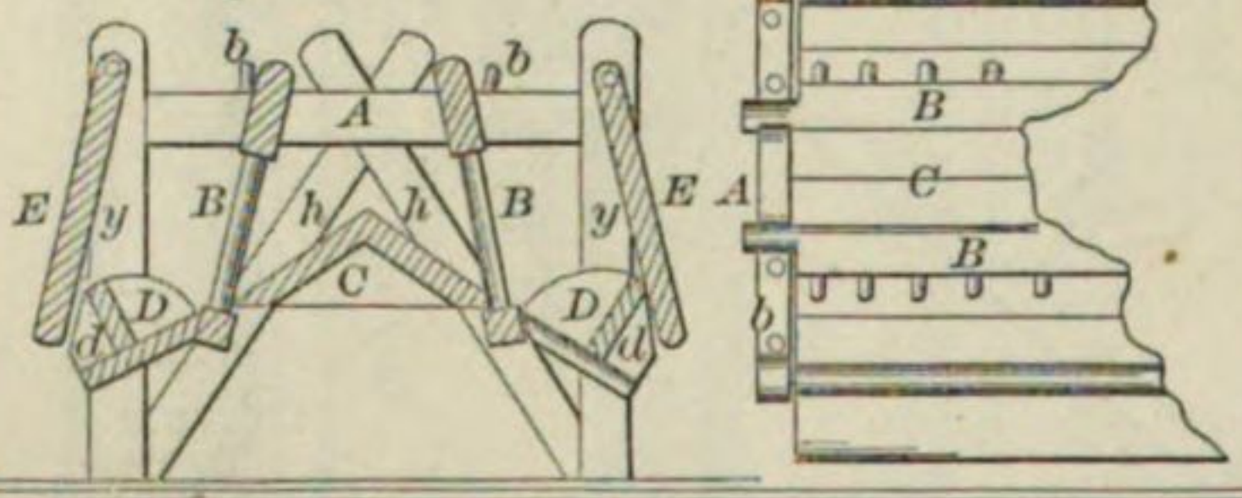
54743—Laidley & Emery—*Breech-Loading Fire Arm.*



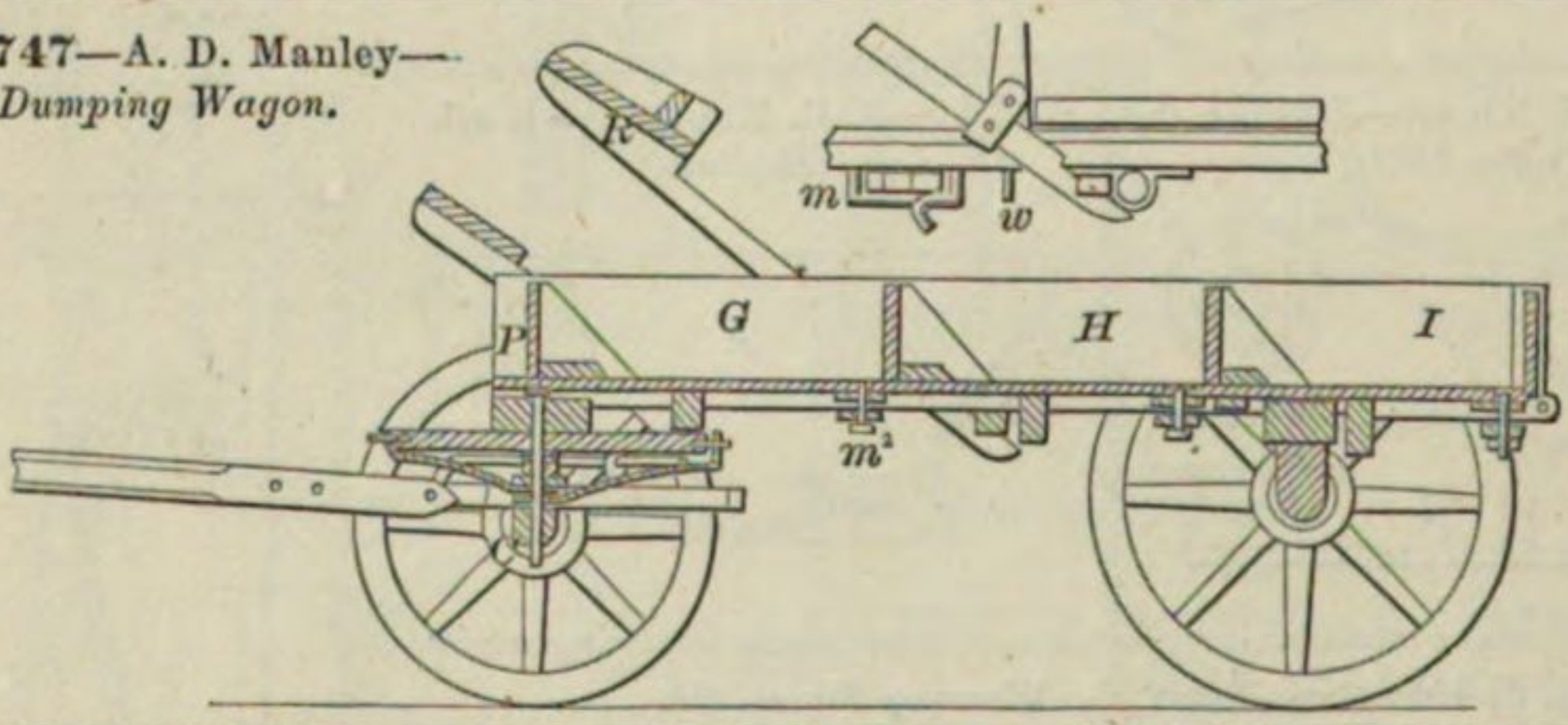
54744—J. Lee—*Breech-Loading Fire Arm.*



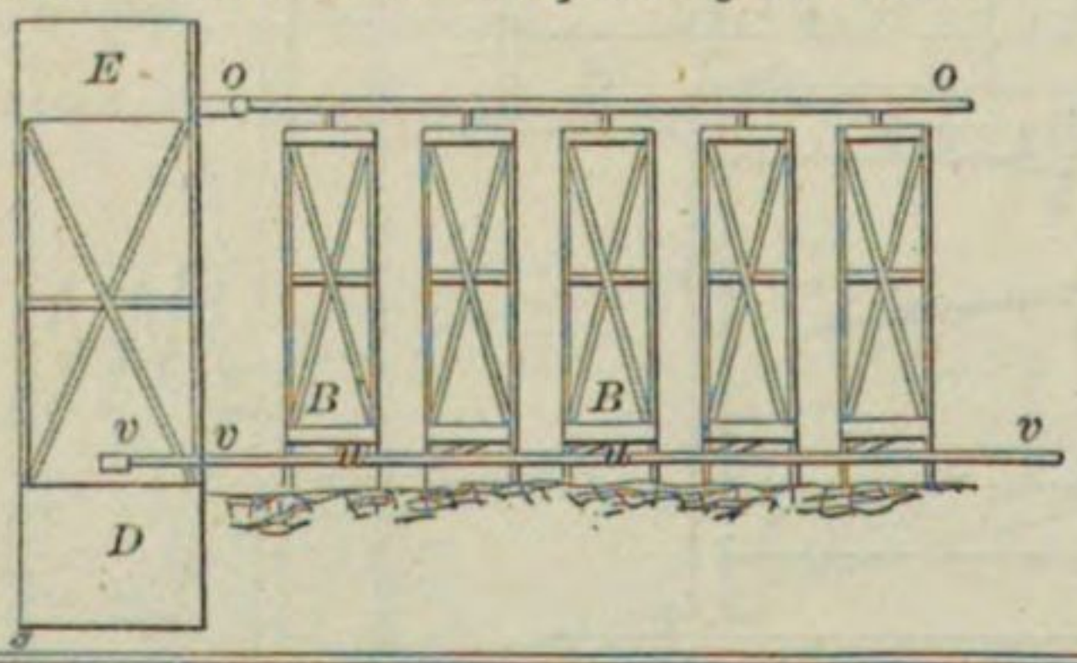
54745—R. Lovett—*Cow and Sheep Rack.*



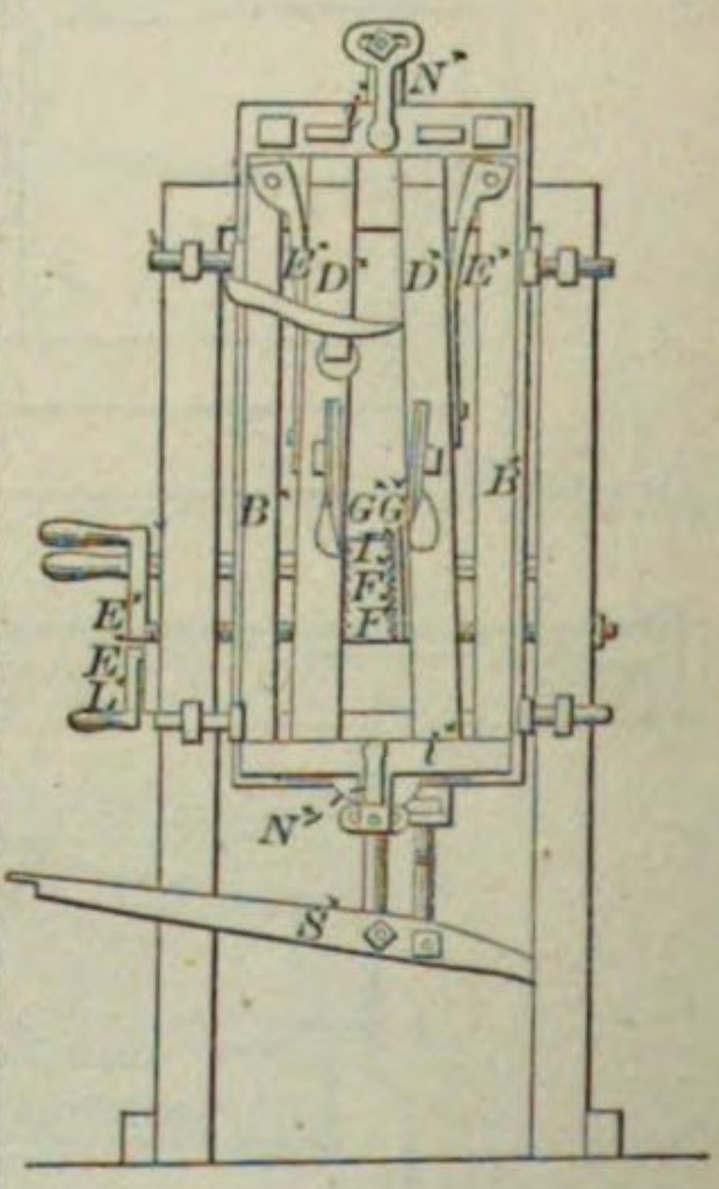
54747—A. D. Manley—*Dumping Wagon.*



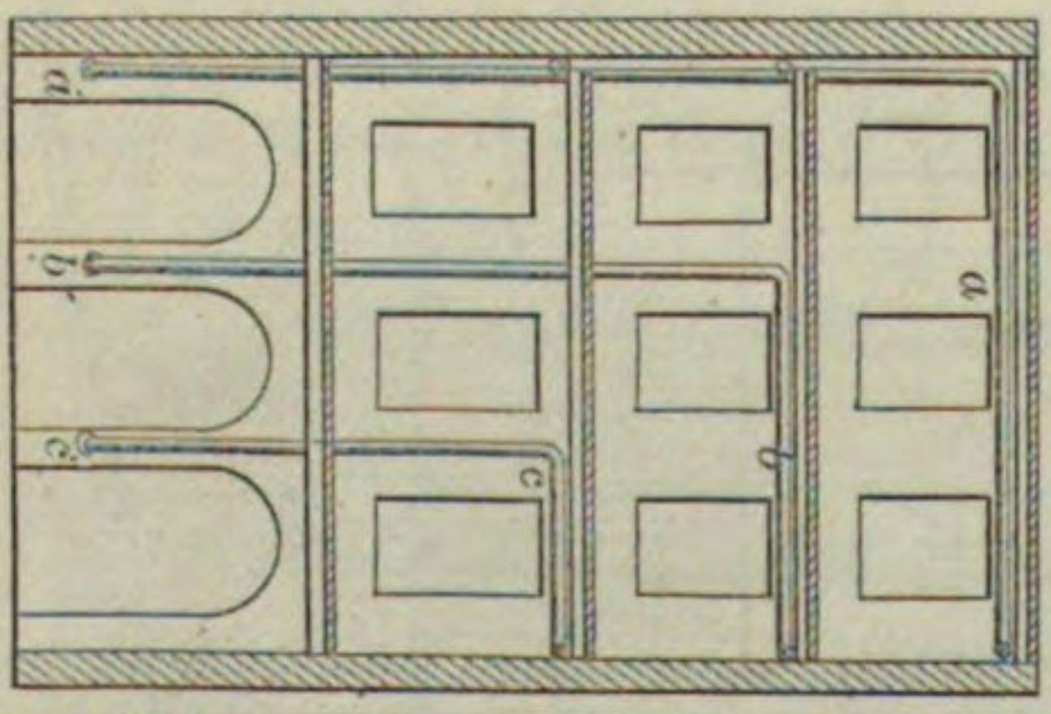
54746—O. Macdaniel—*Evaporating Solutions.*



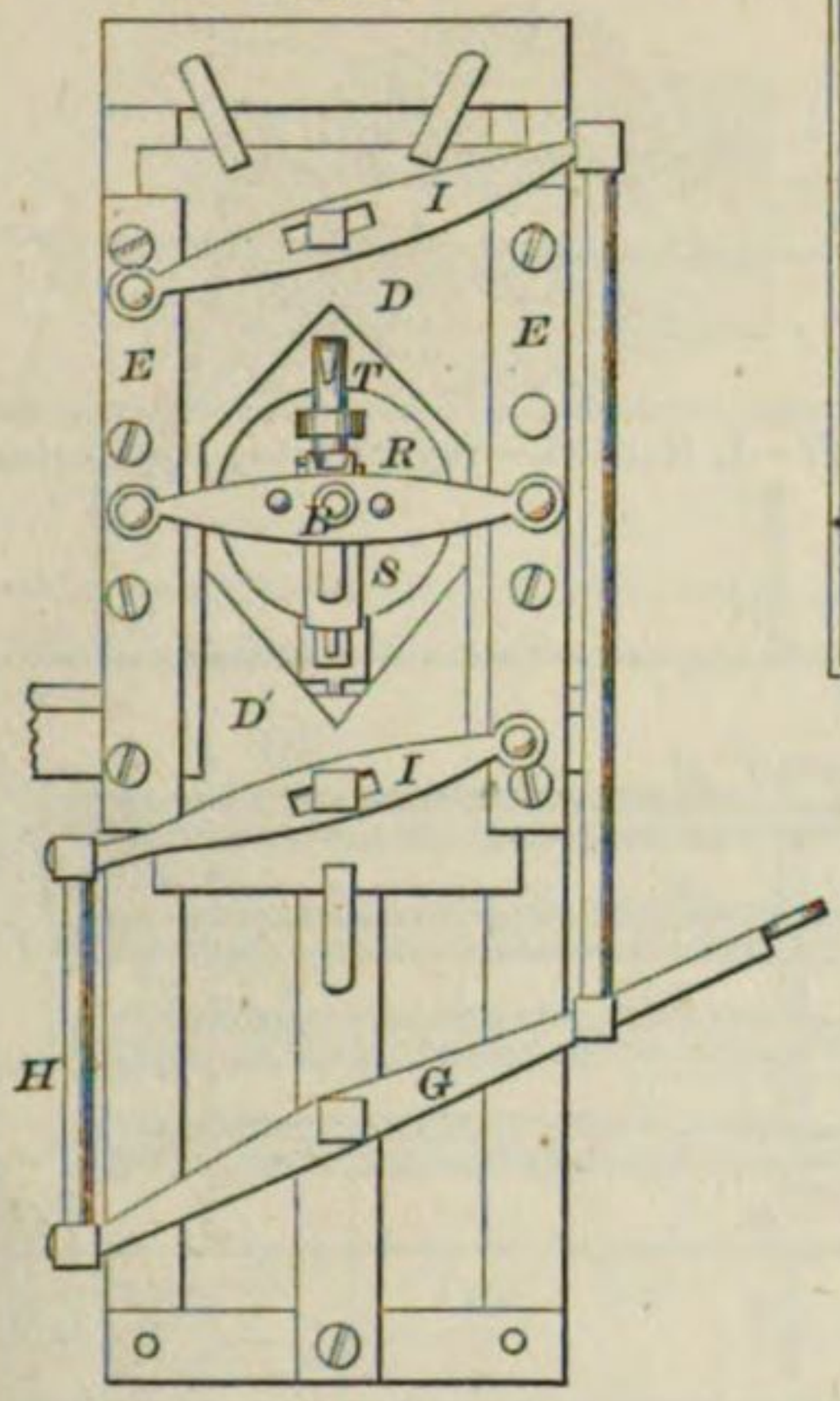
54749—L. Mason—*Tenoning Machine.*

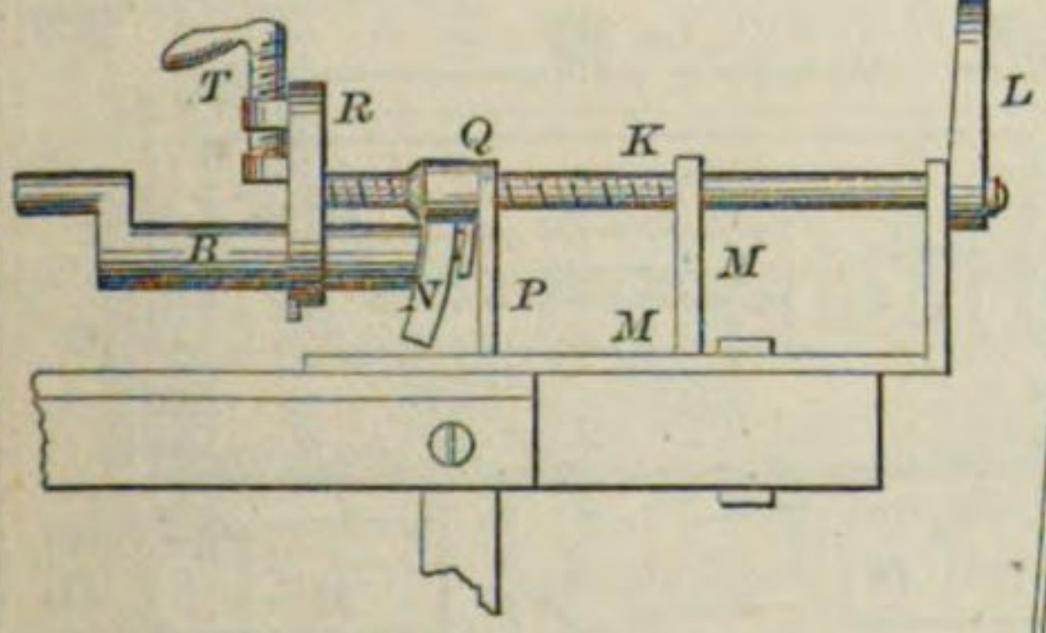


54748—W. C. Marshall—*Extinguishing Fires.*

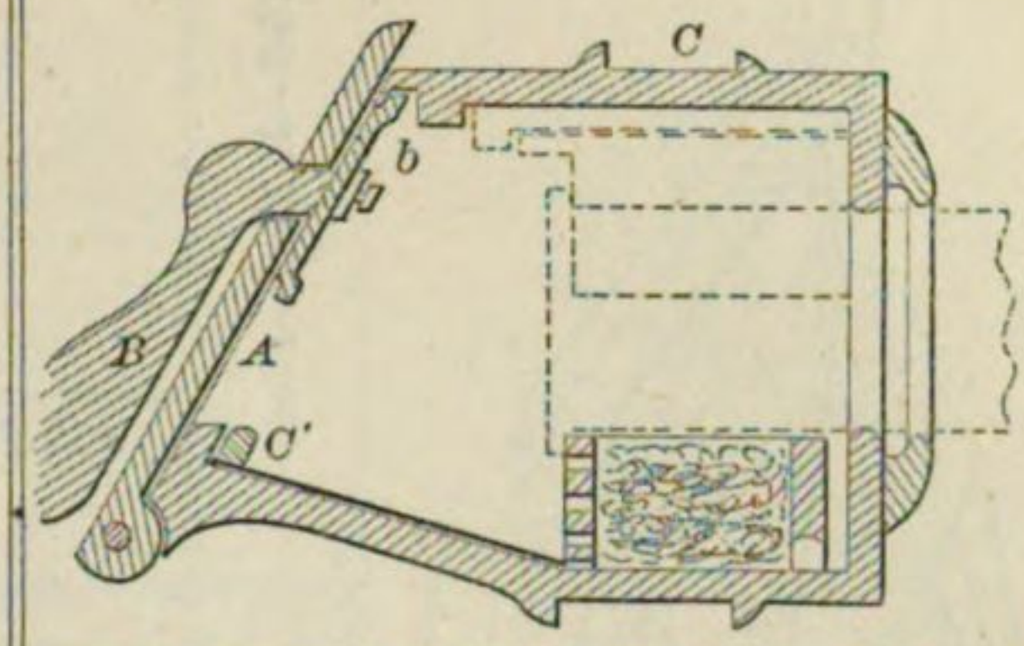


54750—L. Mason—*For Boring Wagon Hubs.*

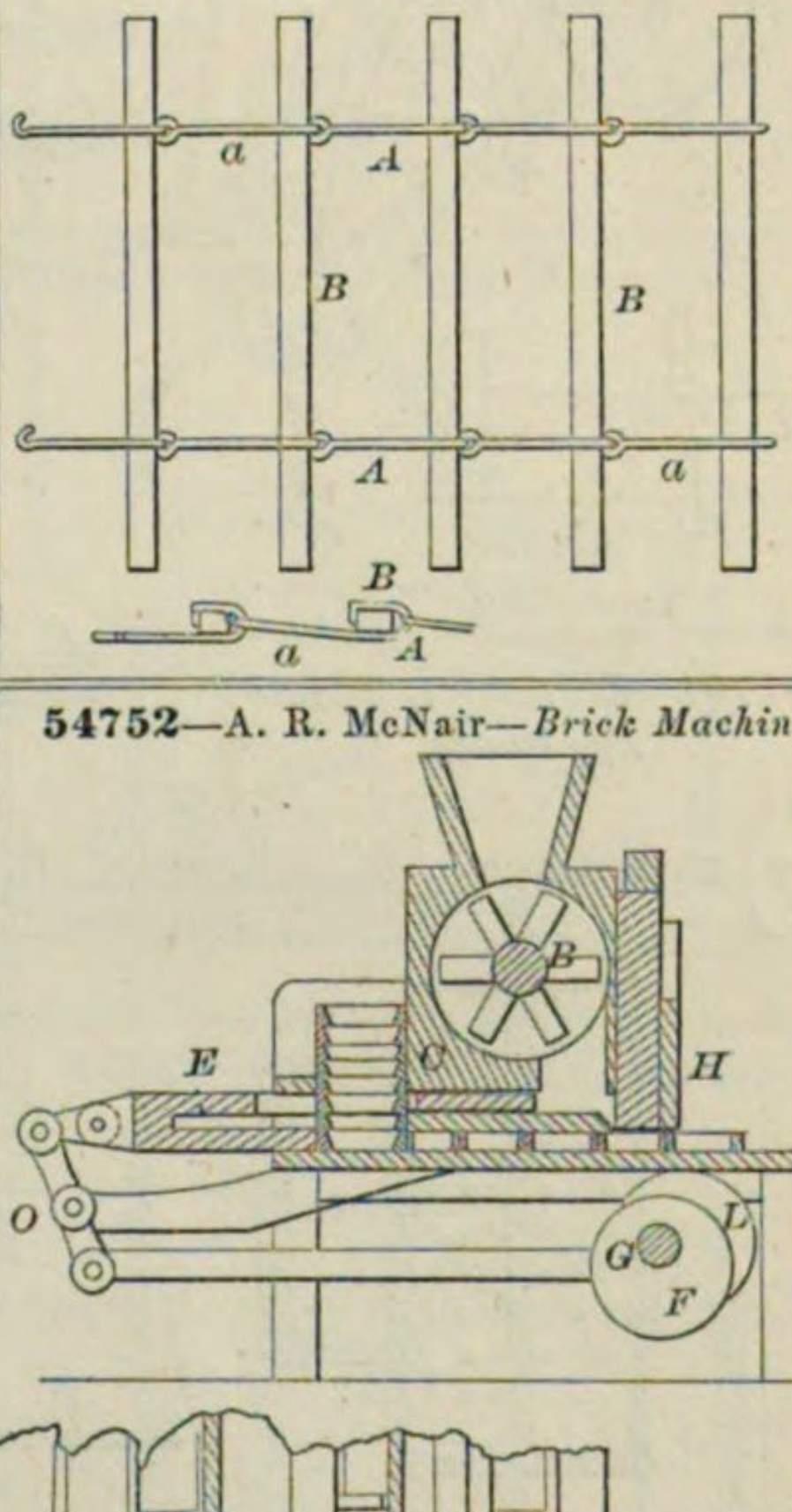




55753—J. Montgomery—*Axle Box.*

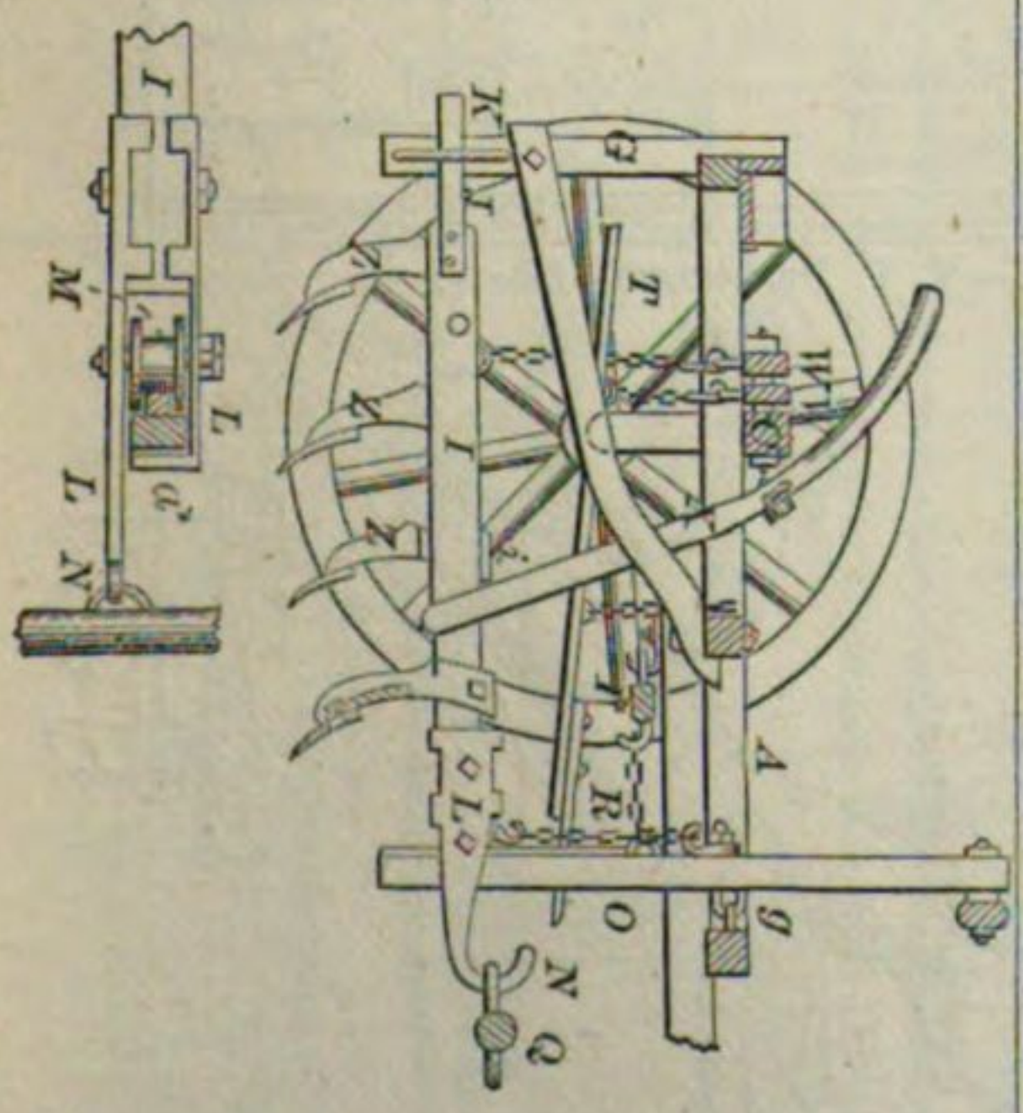


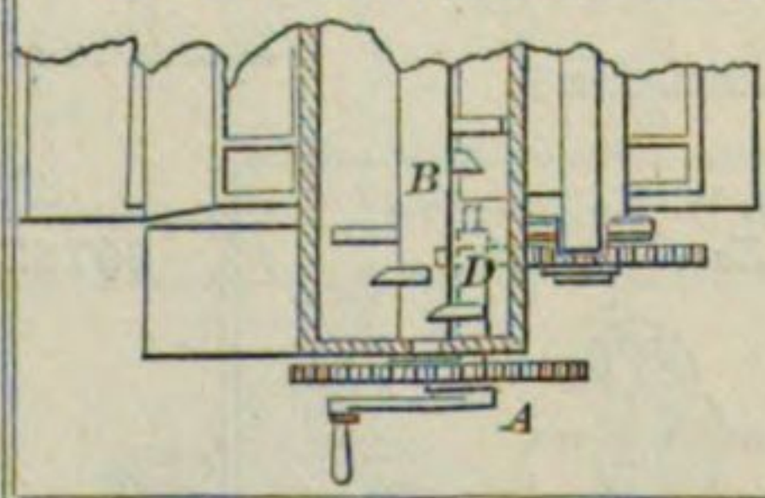
54754—E. D. Montrose—*Portable Fence.*



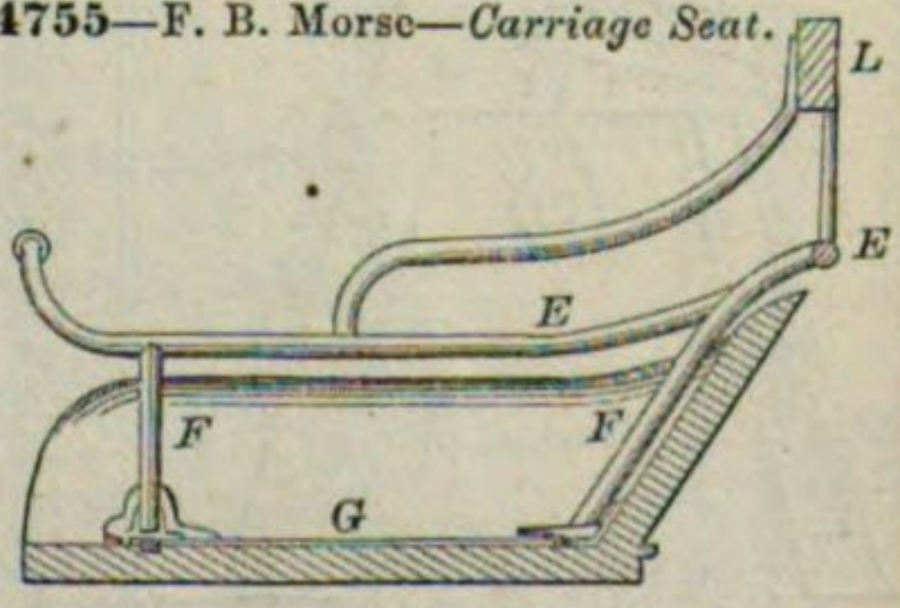
54752—A. R. McNair—*Brick Machine.*

54751—W. McCormick—*Cultivator.*

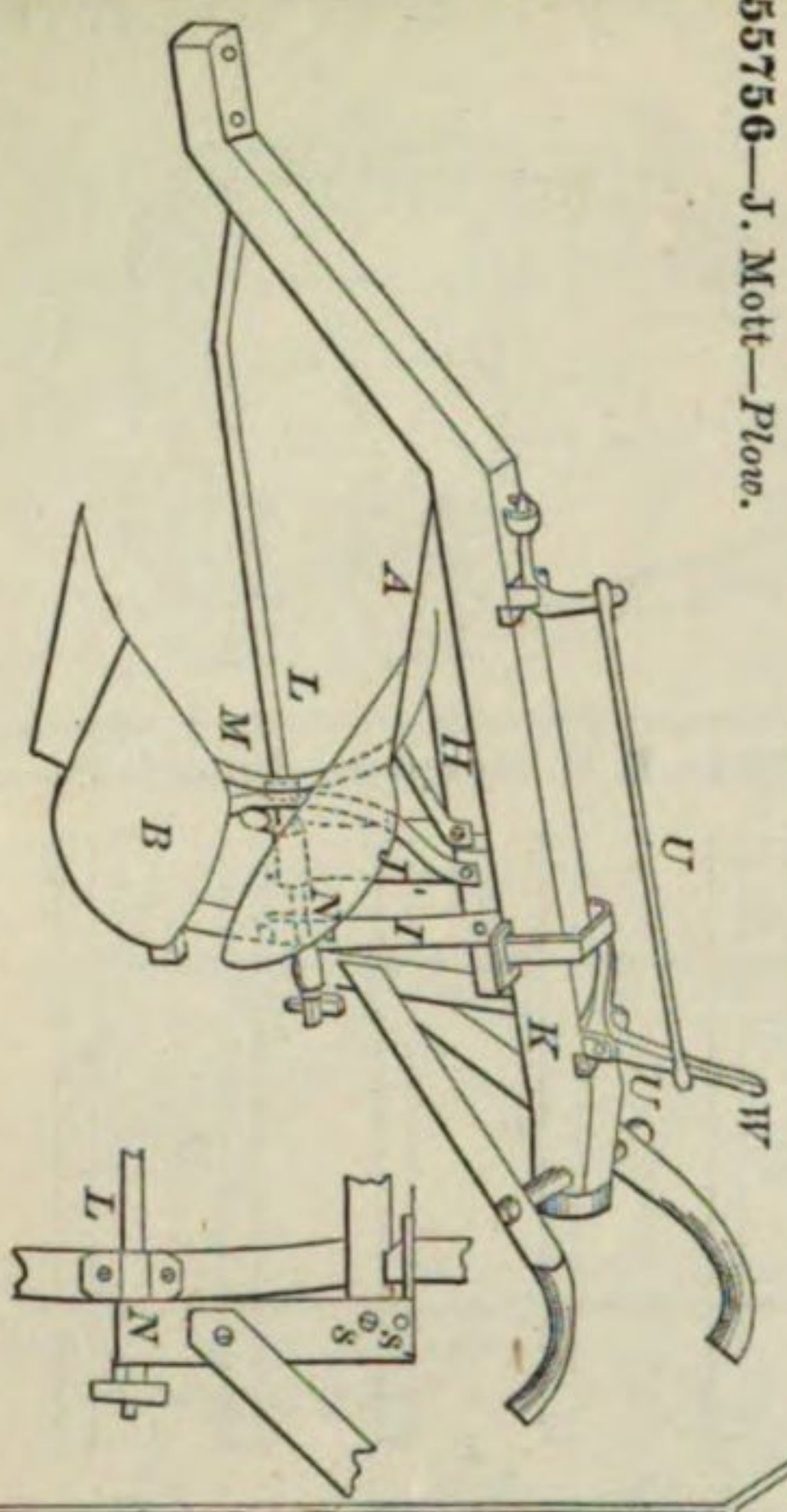




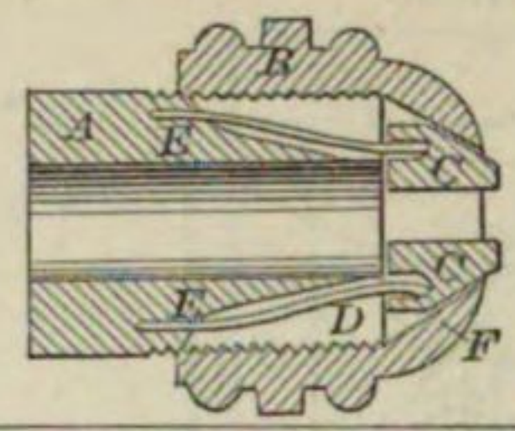
54755—F. B. Morse—*Carriage Seat.*



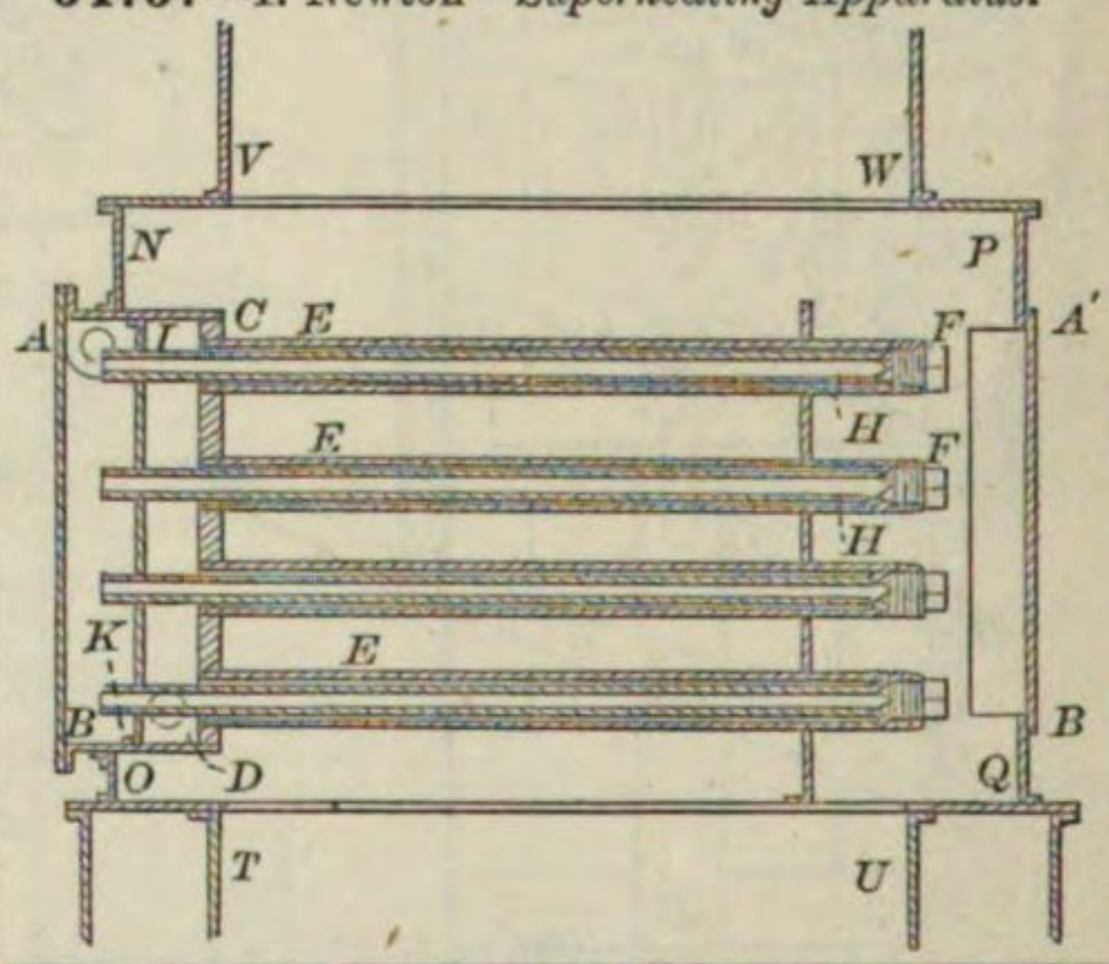
55756—J. Mott—*Plow.*



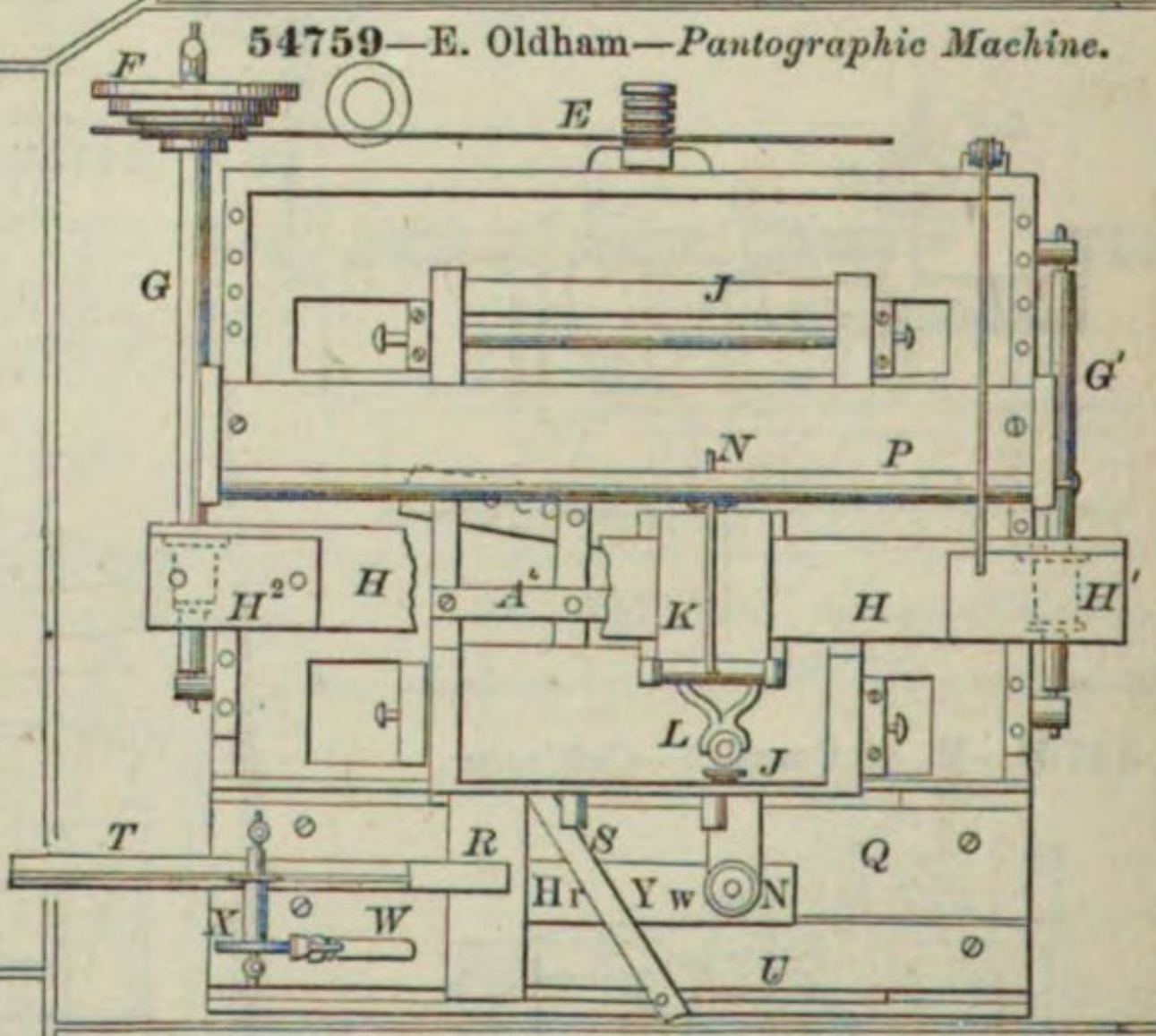
55760—L. H. Olmsted—*Chuck.*



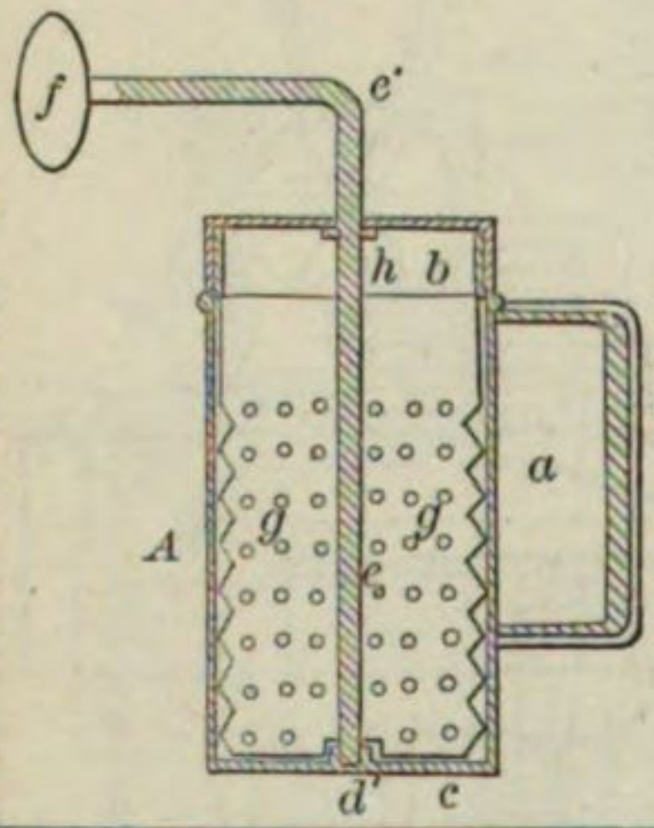
54757—I. Newton—*Superheating Apparatus.*



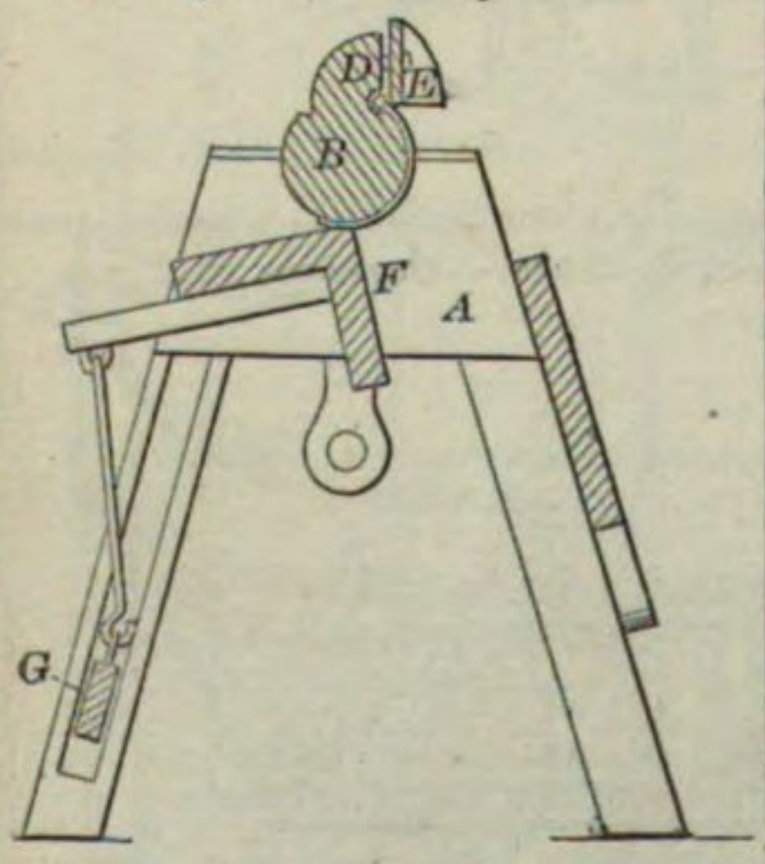
54759—E. Oldham—*Pantographic Machine.*



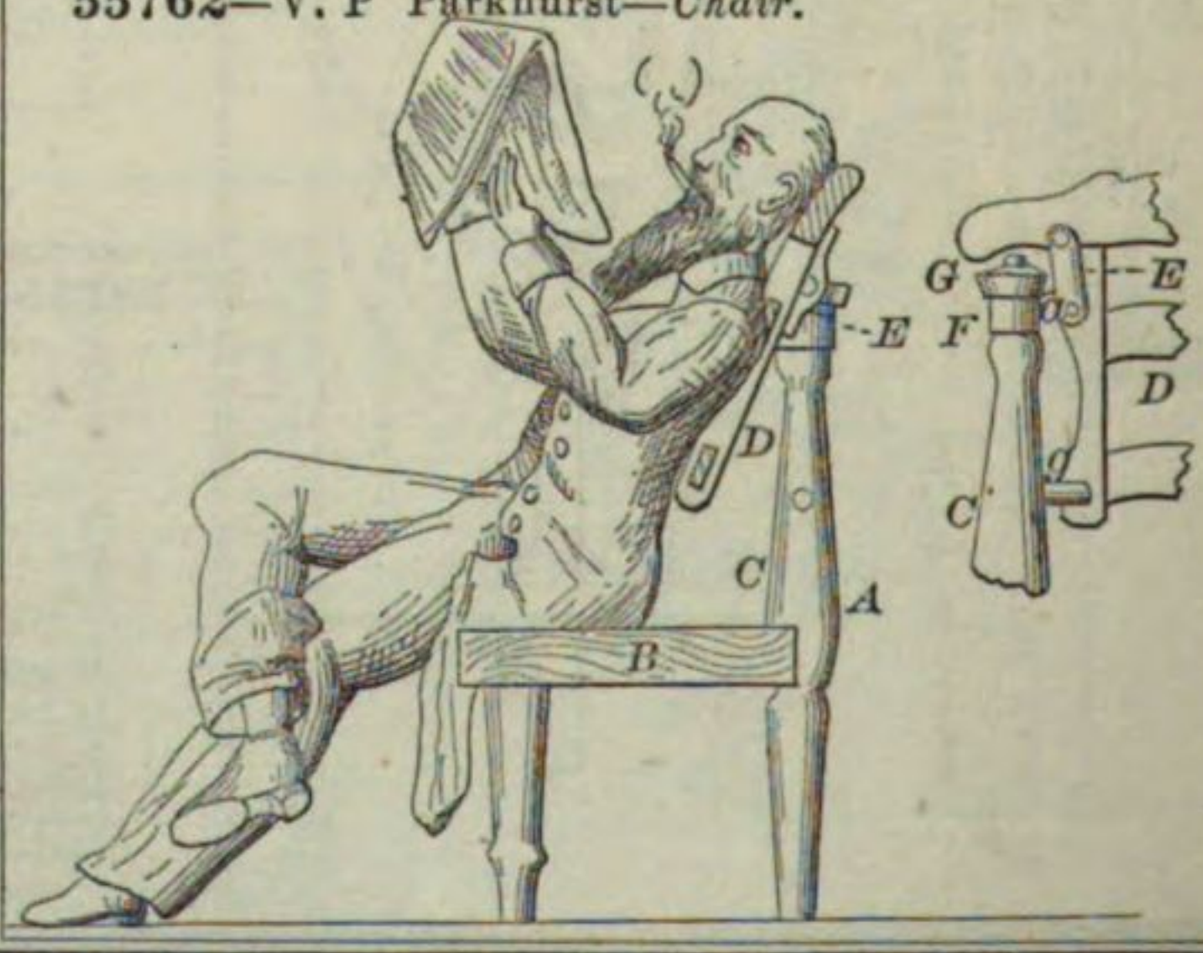
54761—Pangborn & Griffin—*Egg Beater.*



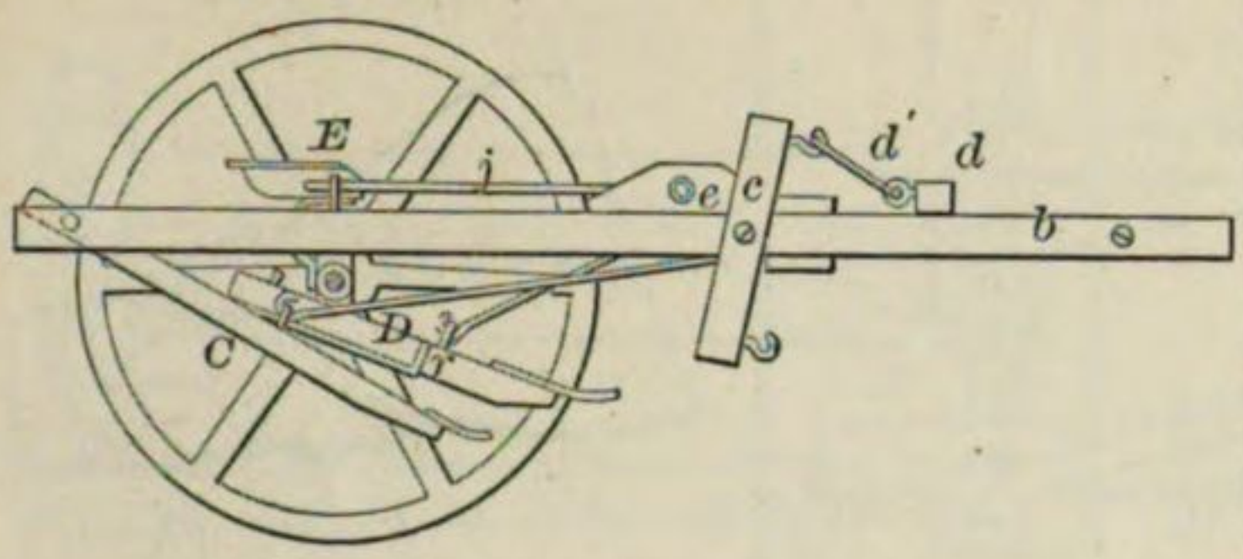
55758—O. W. Noble—*For Making Eaves Troughs.*



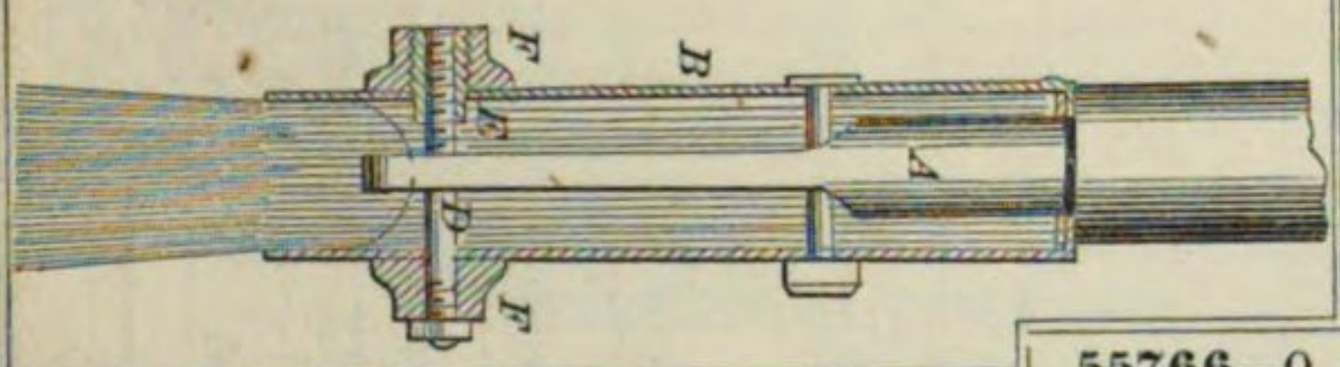
55762—V. P Parkhurst—*Chair.*



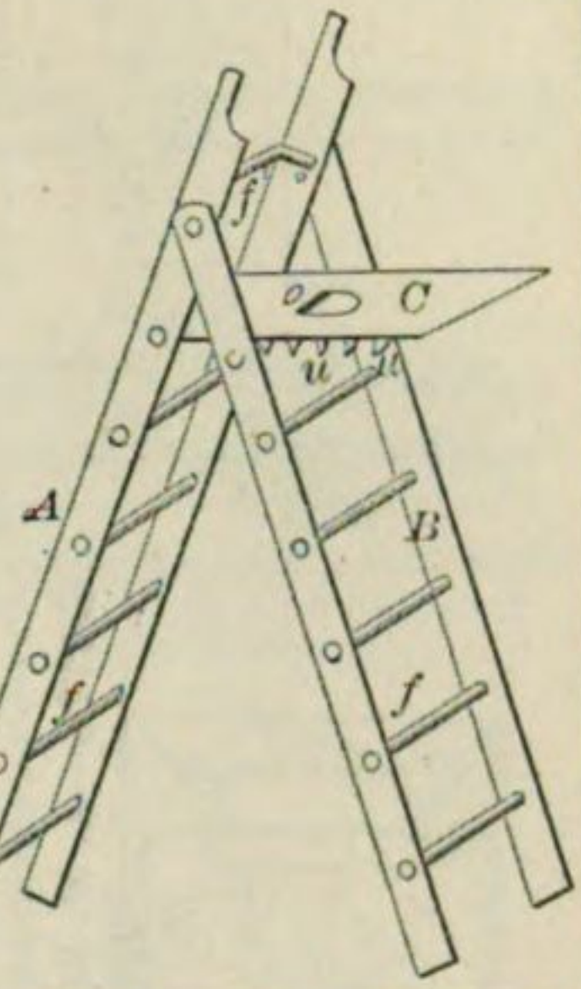
54763—Parmele & Patterson—*Cultivator.*



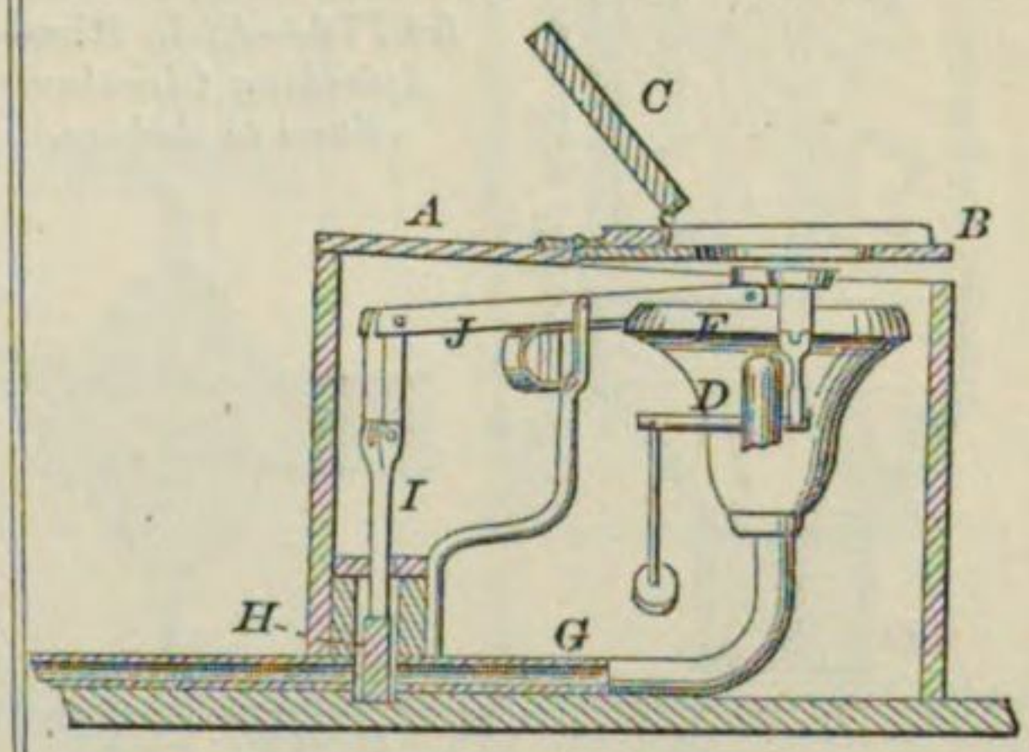
54765—D. Peters—*Broom Head.*



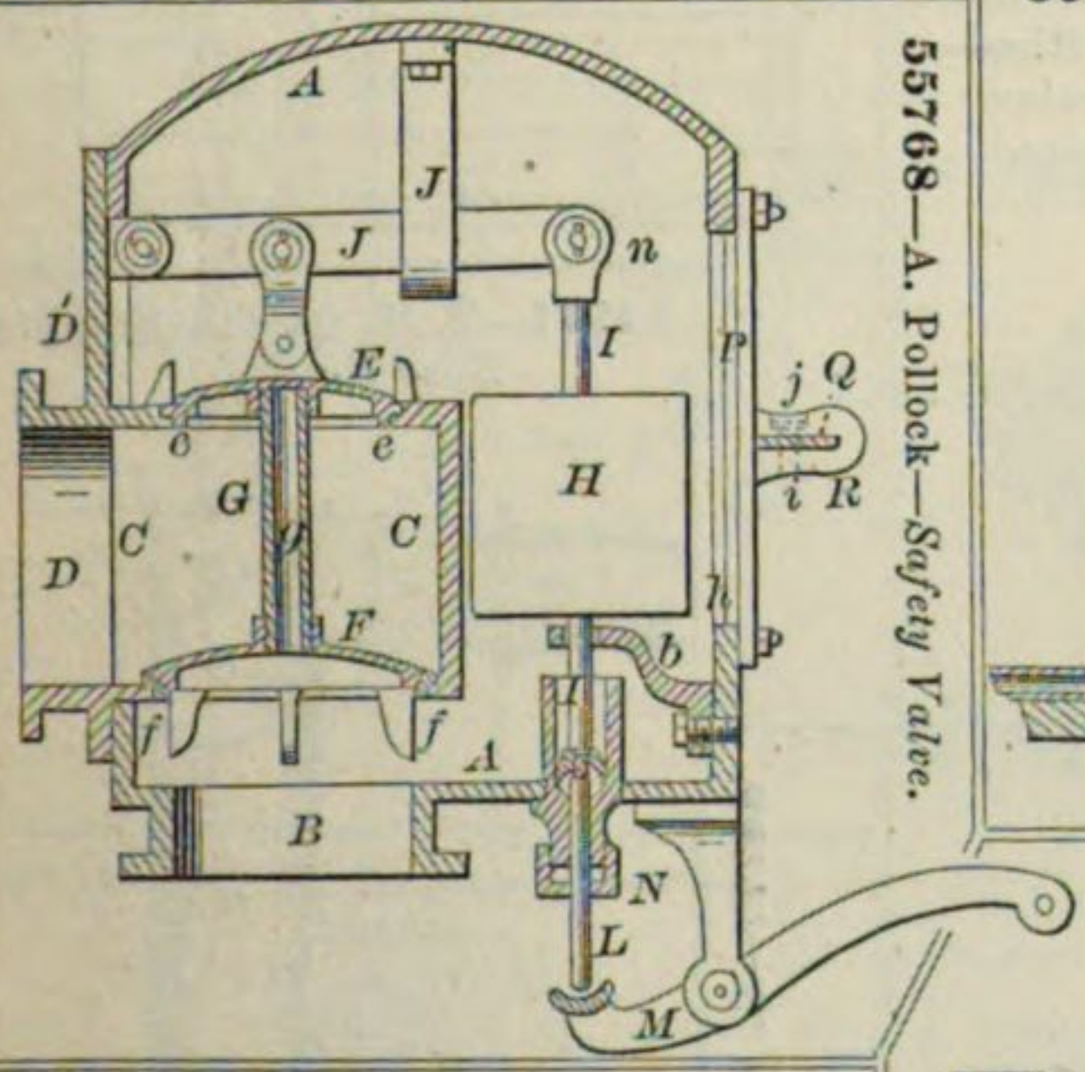
54767—B. Pickering—*Ladder.*



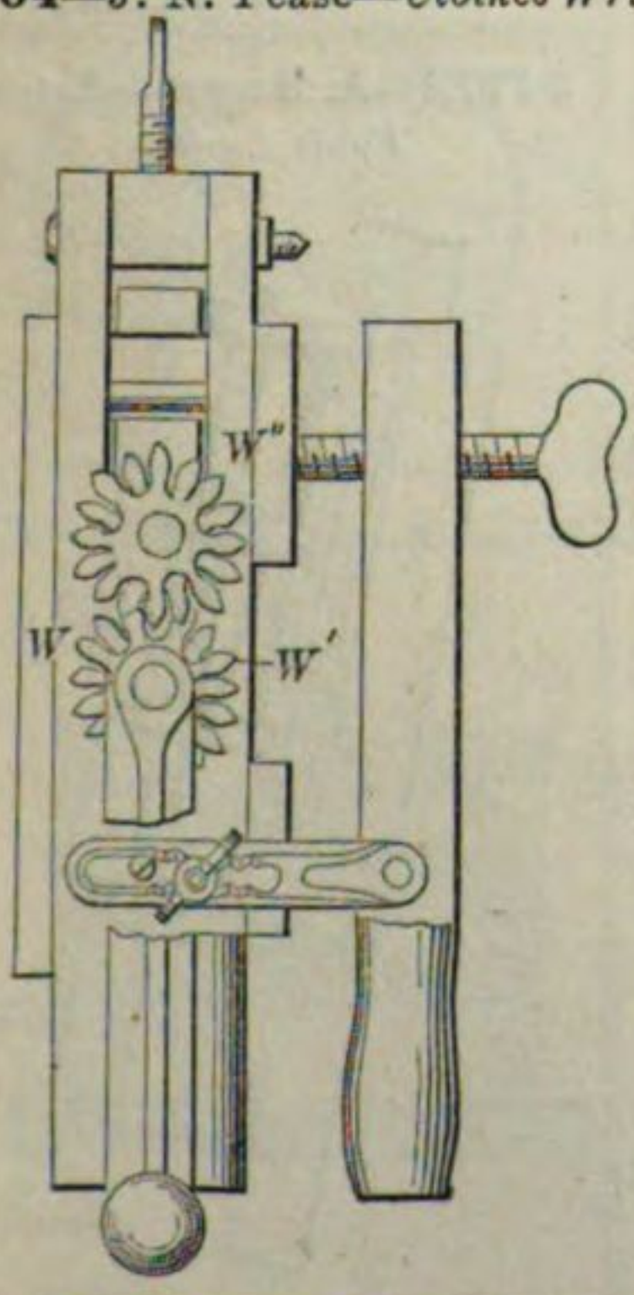
55766—O. S. Pettit—*Water Closet.*



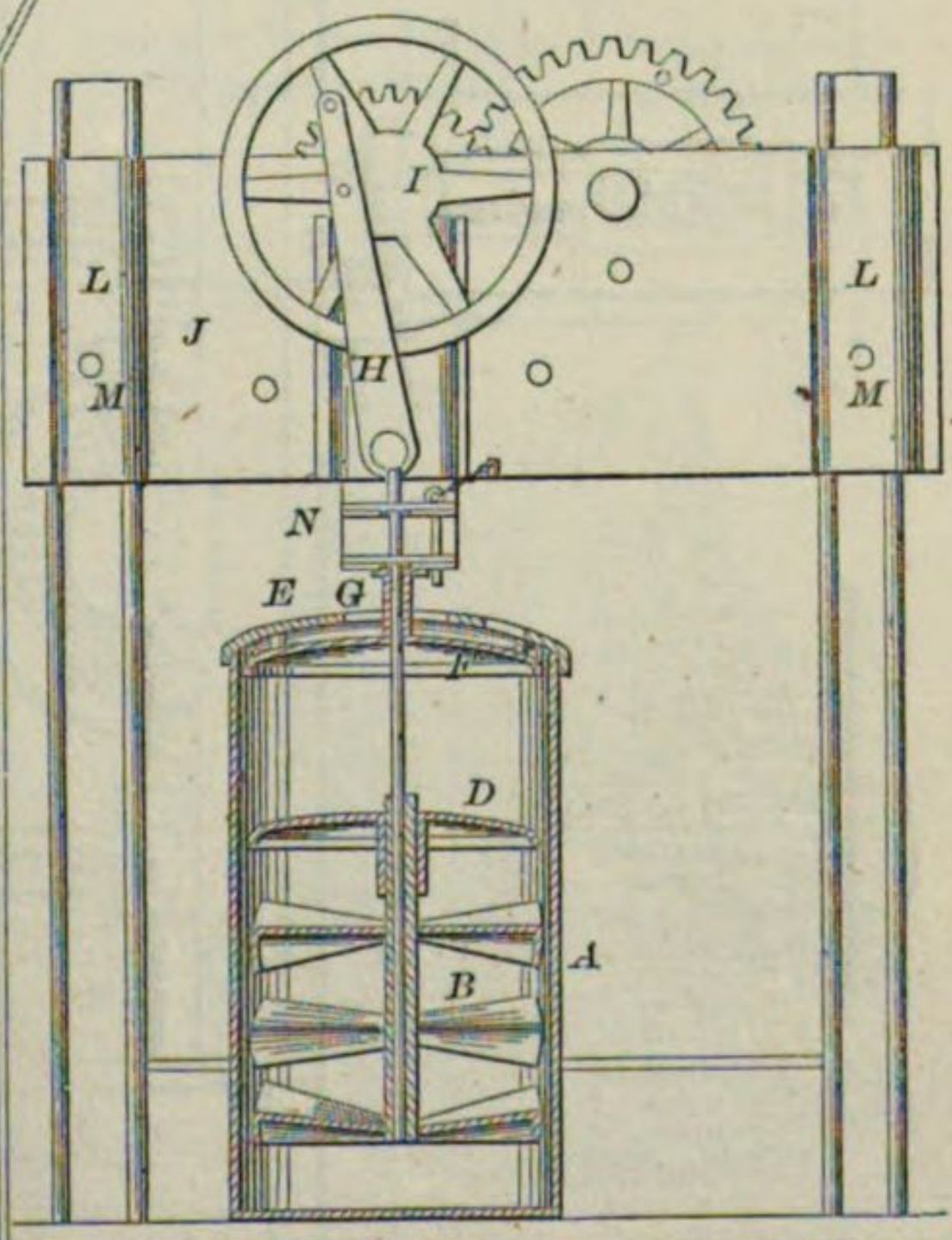
55768—A. Pollock—*Safety Valve, &c.*



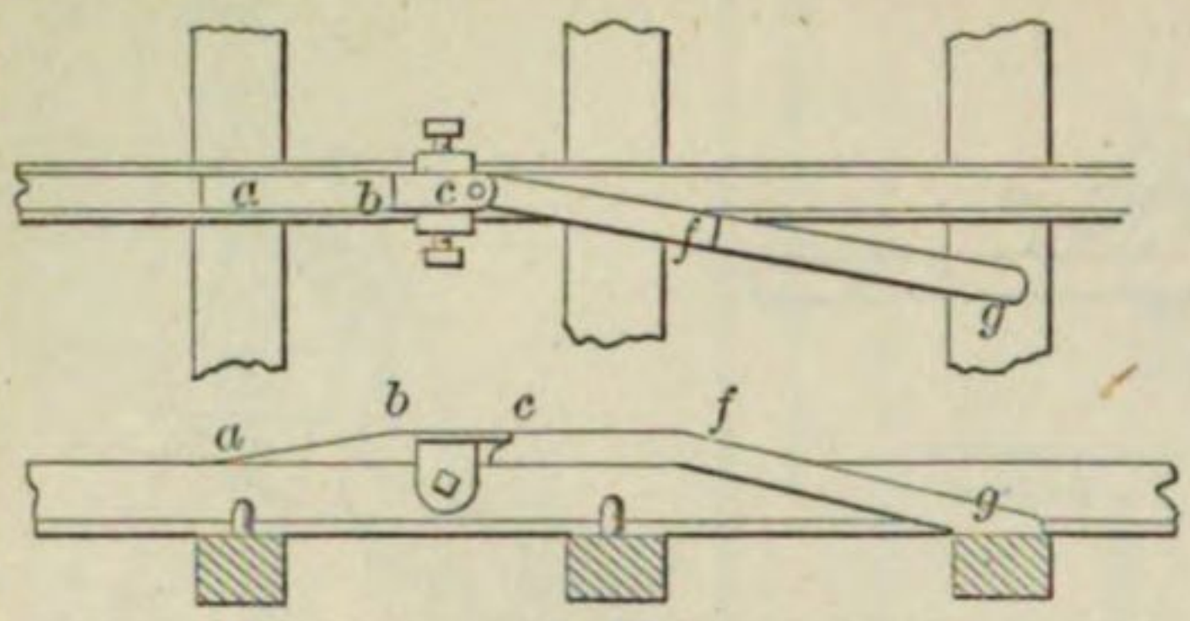
55764—J. N. Pease—*Clothes Wringer.*



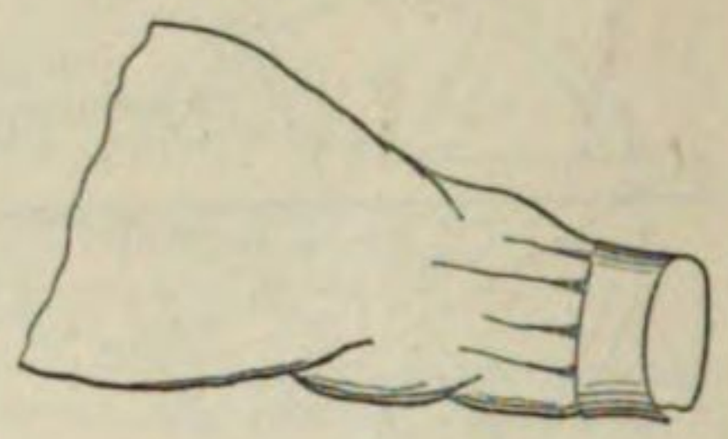
54769—G. H. Pool—*Churn Dasher.*



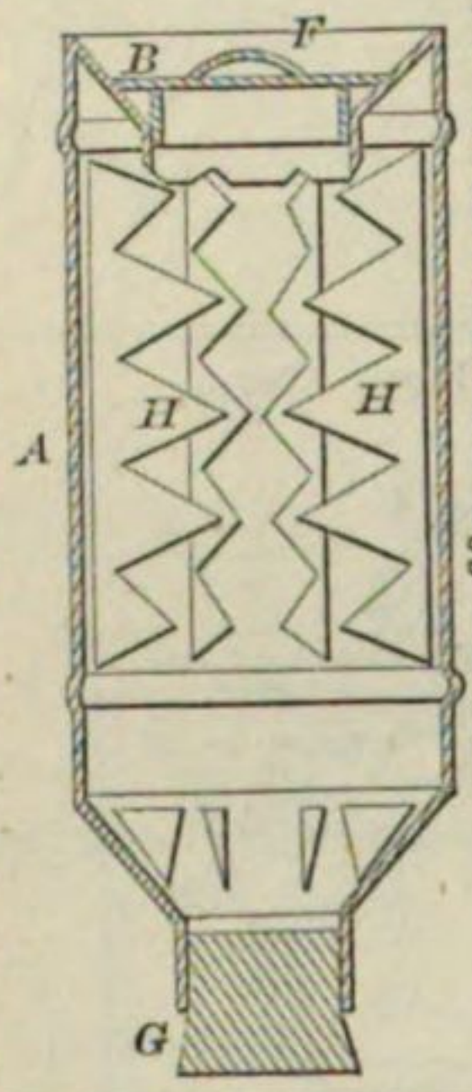
54770—T. B. Purves—*Railroad Switch.*



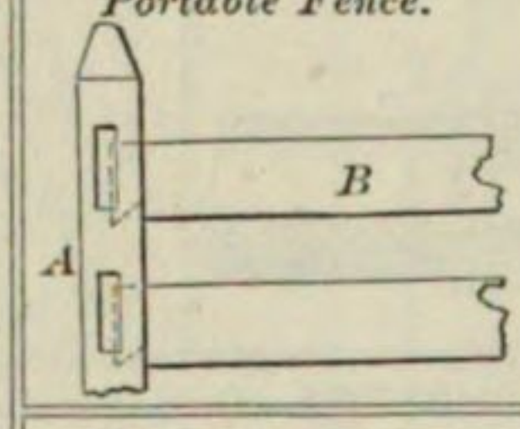
54773—H. M. Remington—*Paper Undersleeves.*



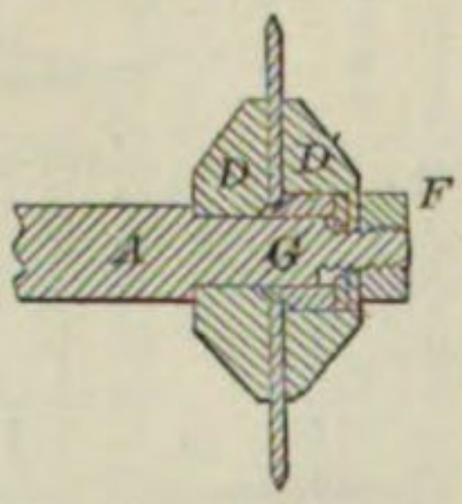
54776—A. M. Robinson—*Egg Beater.*



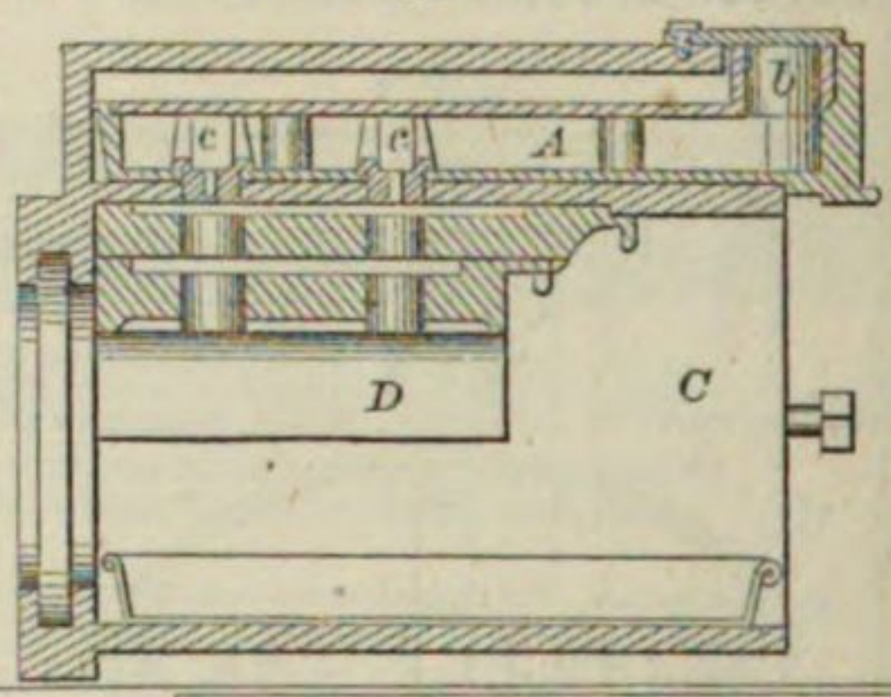
54772—J. Reedy—*Portable Fence.*



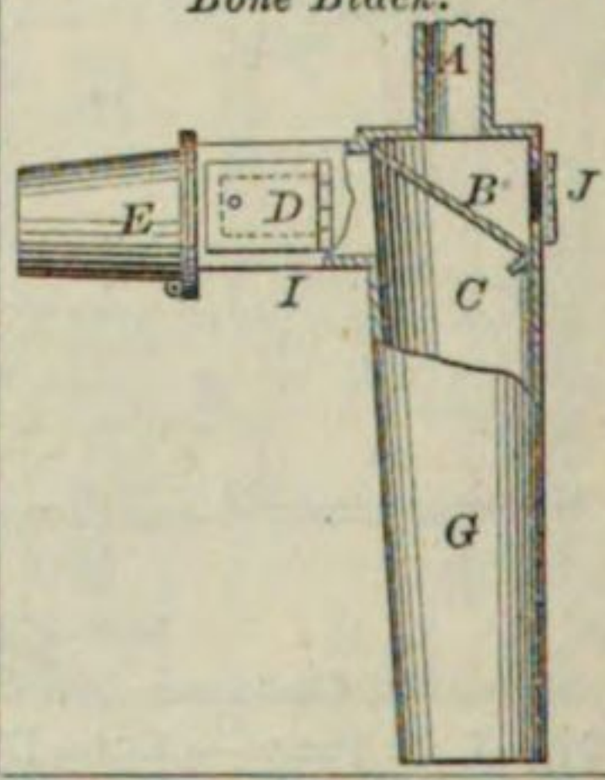
54774—A. L. Rice—*Attaching Circular Saws to Arbors.*



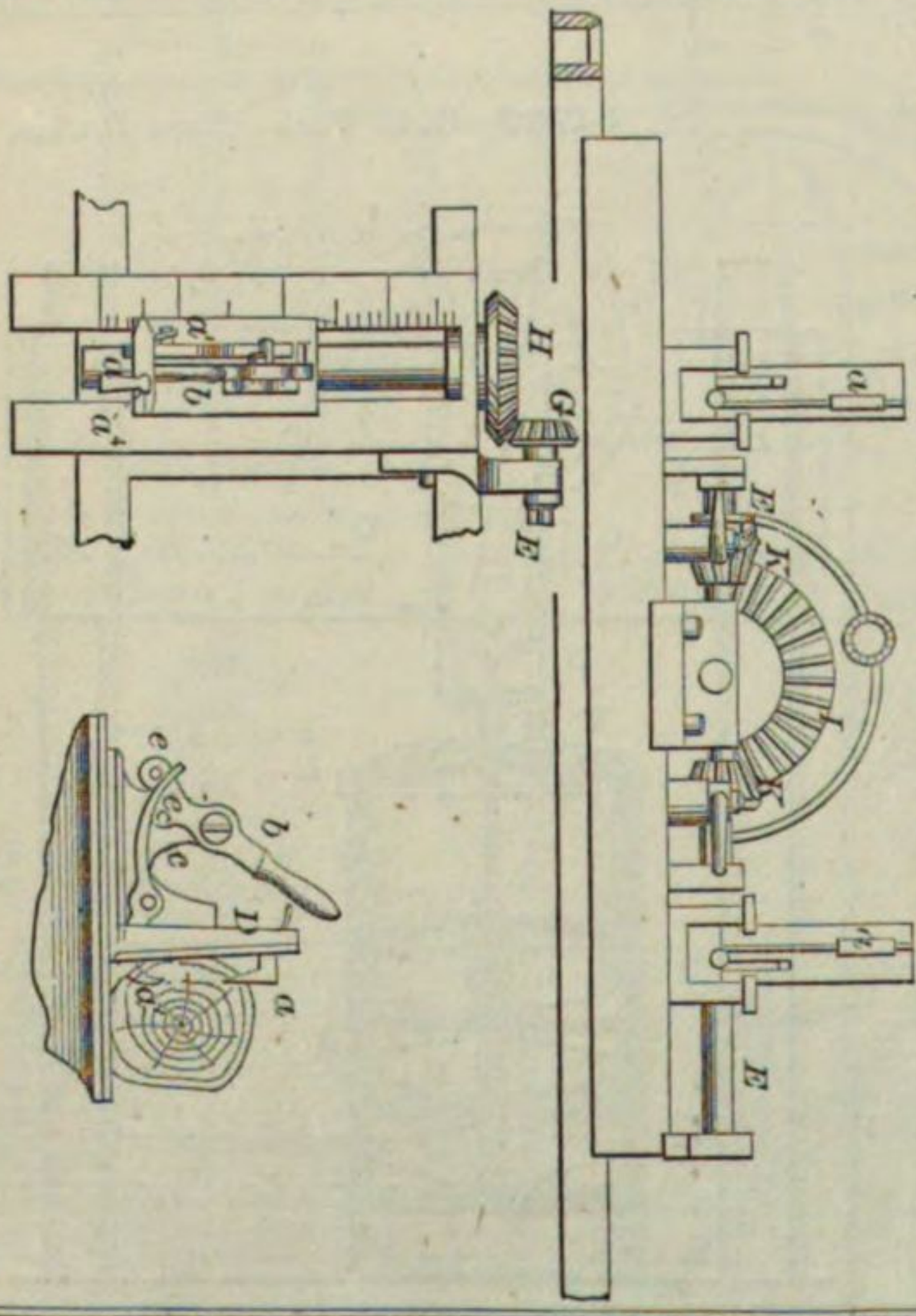
54775—W. F. Rippon—*Axle Box.*



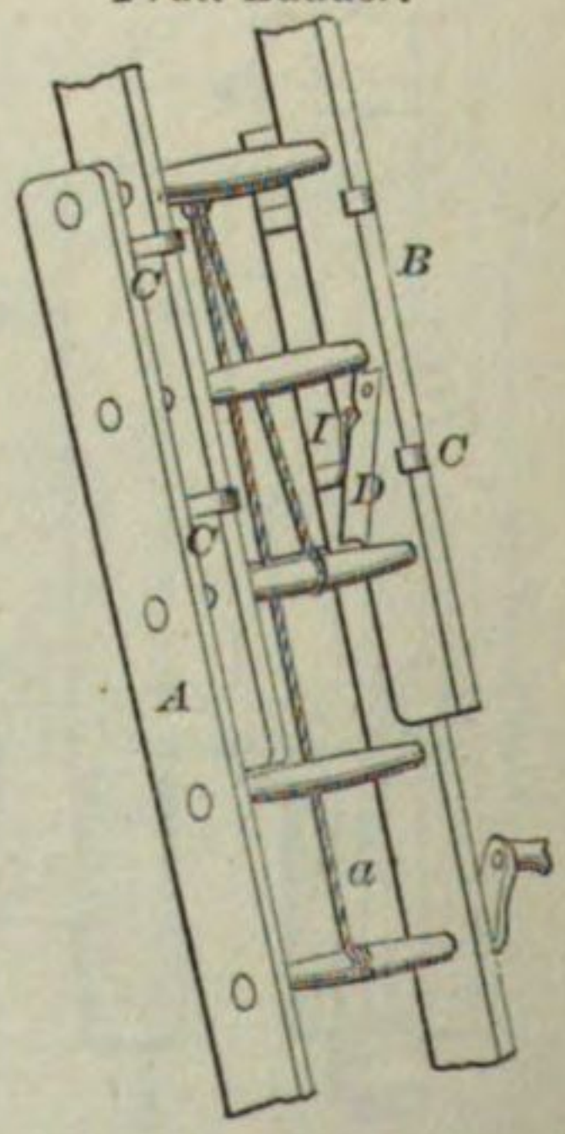
54771—T. H. Quick—*Purifying Bone Black.*



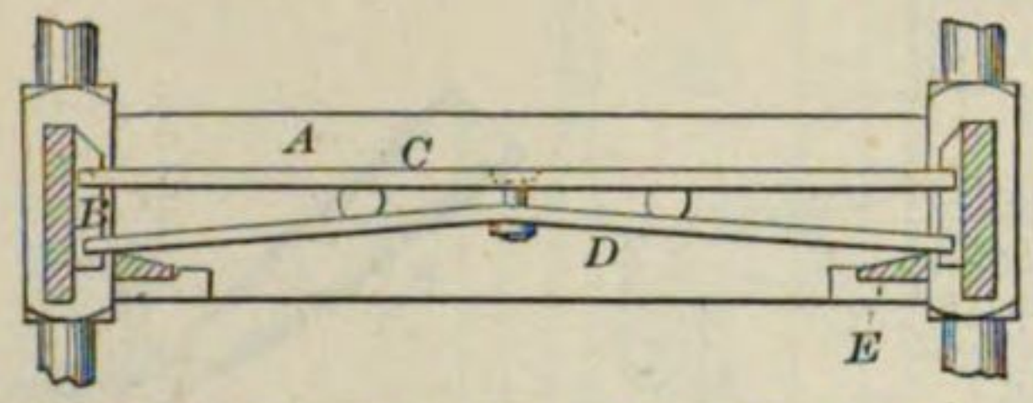
54777—G. W. Rodebaugh—*Head Block for Saw Mills.*



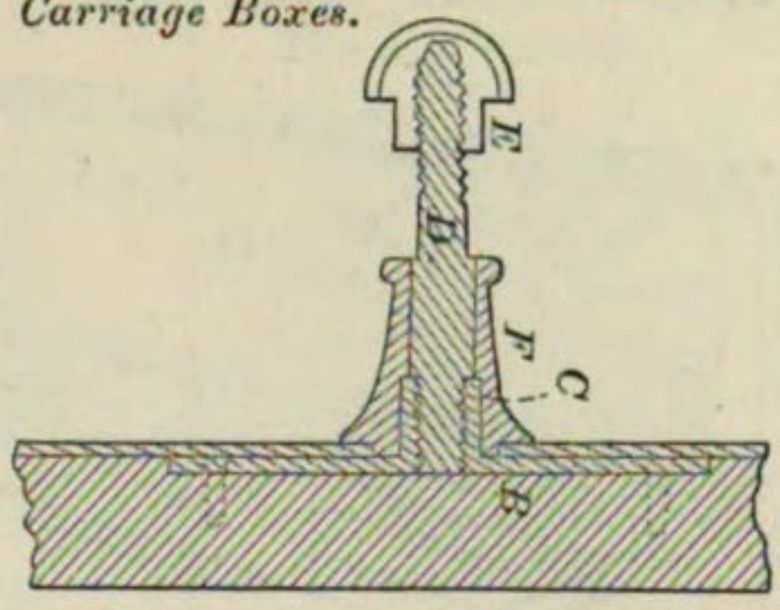
54778—A. Rogers—*Extension Fruit Ladder.*



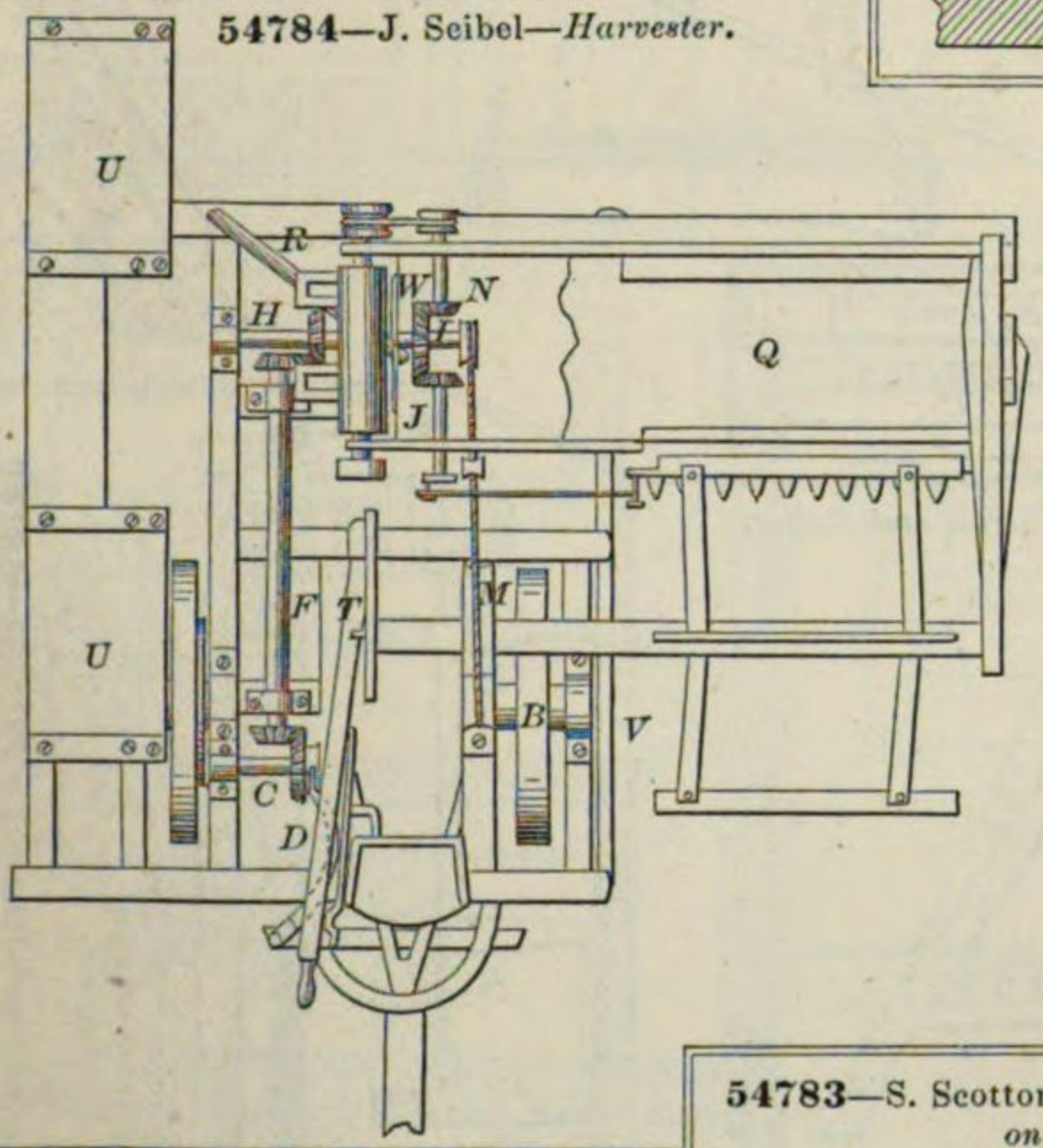
54779—J. Rouse—*Bed Bottom.*



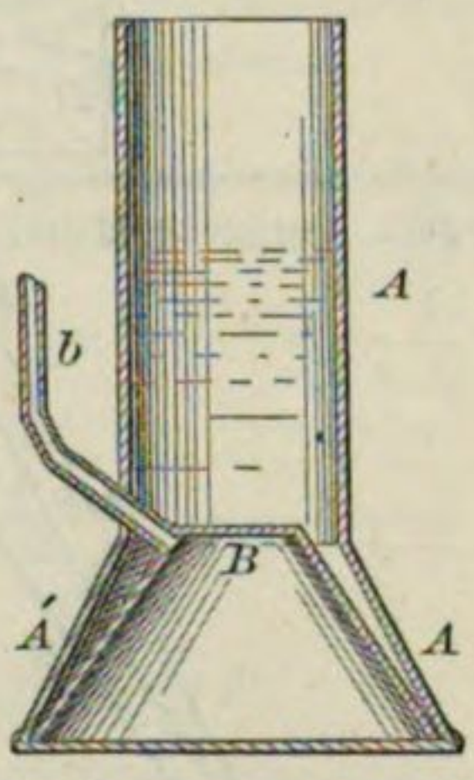
54782—L. Sawyer—*Attaching Props to Carriage Boxes.*



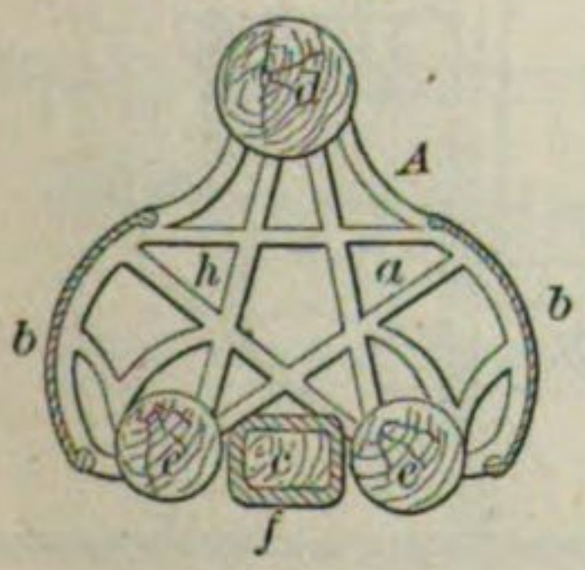
54784—J. Seibel—*Harvester.*



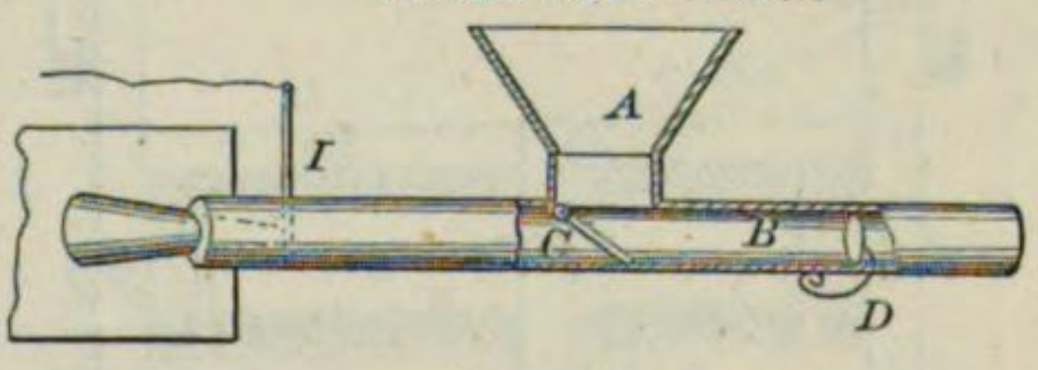
54780—S. P. Ruggles—*Steam Generator.*



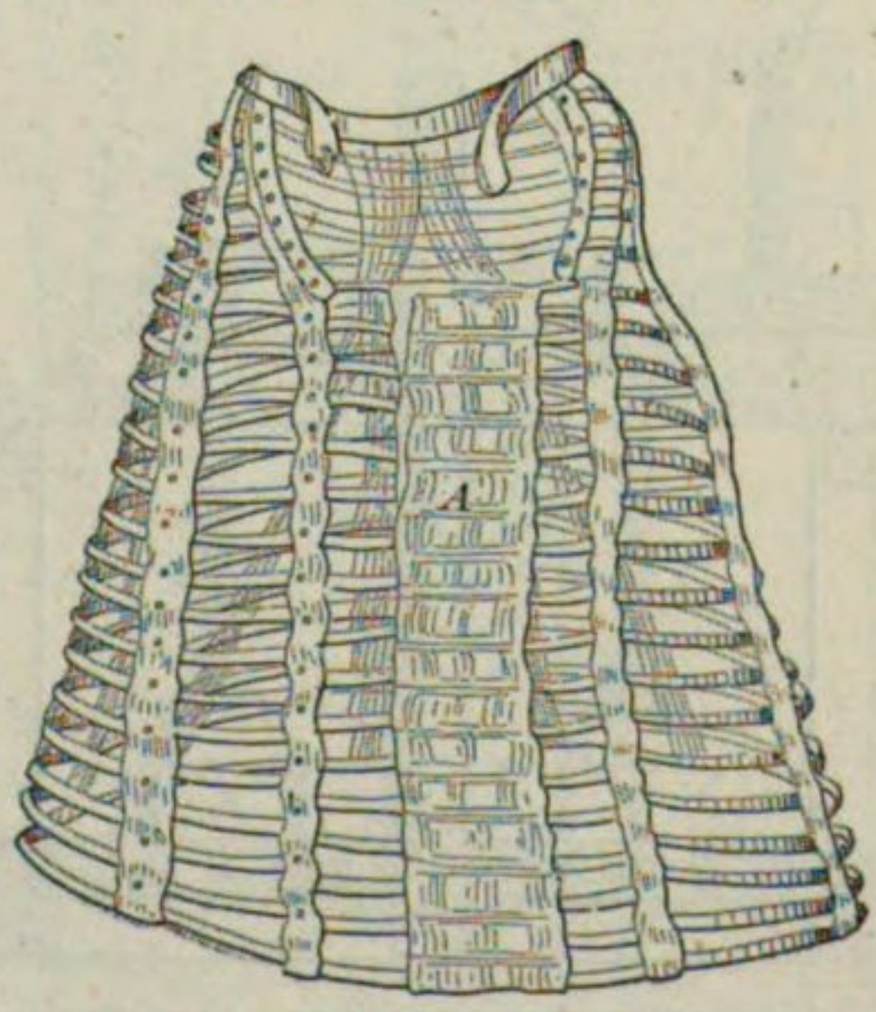
54781—W. H. Sargent—*Washing Machine.*



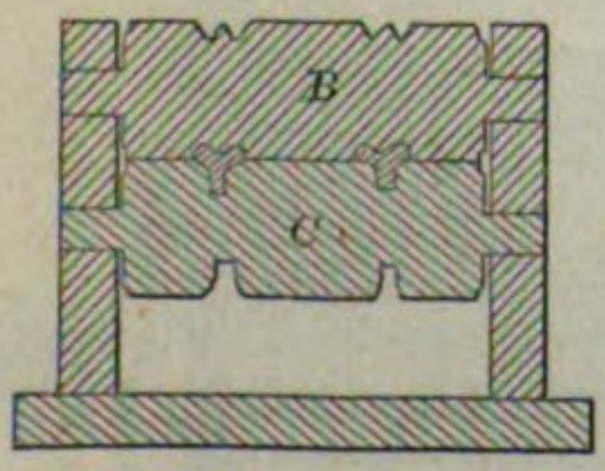
54783—S. Scotton—*For Shooting Gravel at Cows on Rail Road Tracks.*



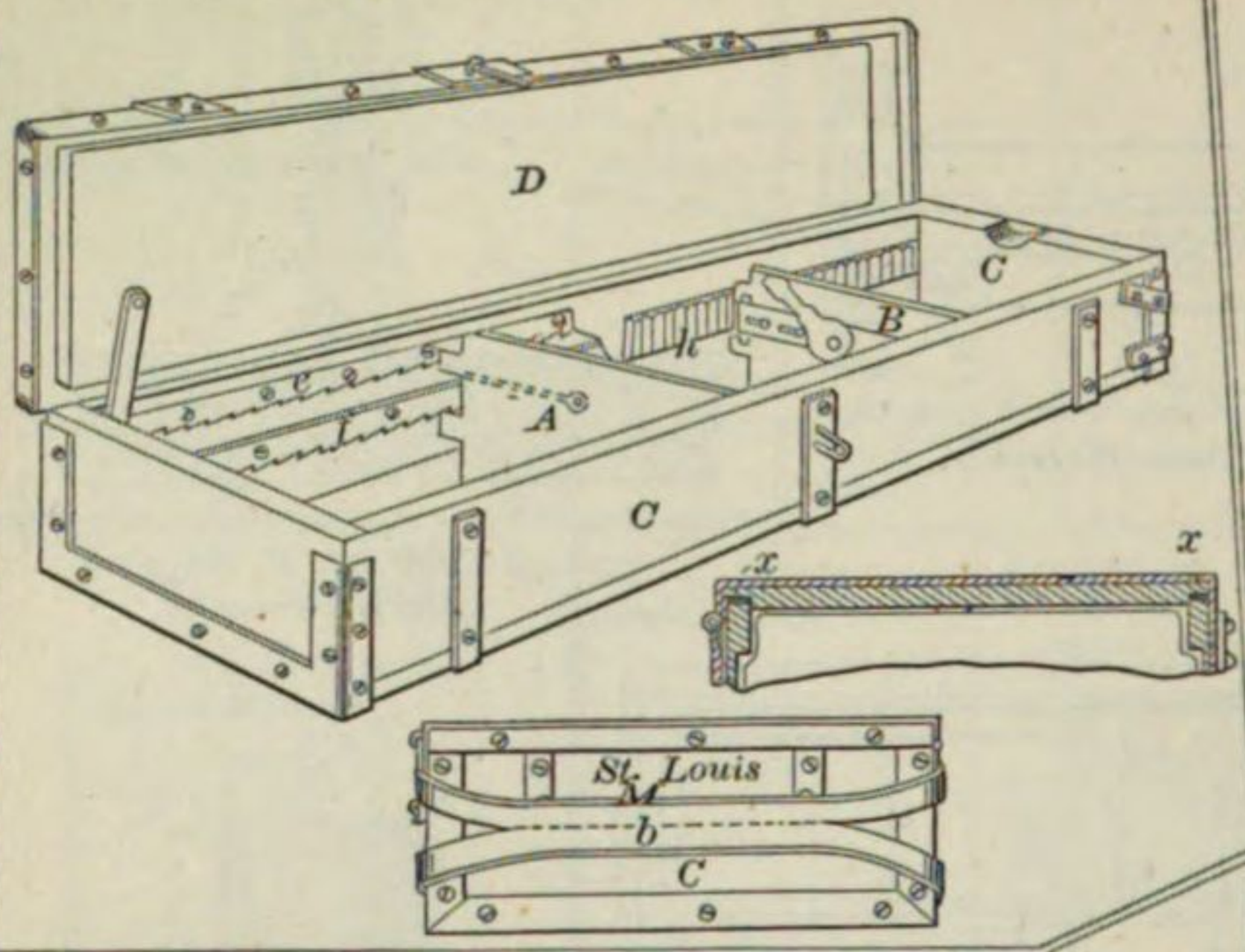
54785—P. E. Sheffield—*Hoop Skirt.*



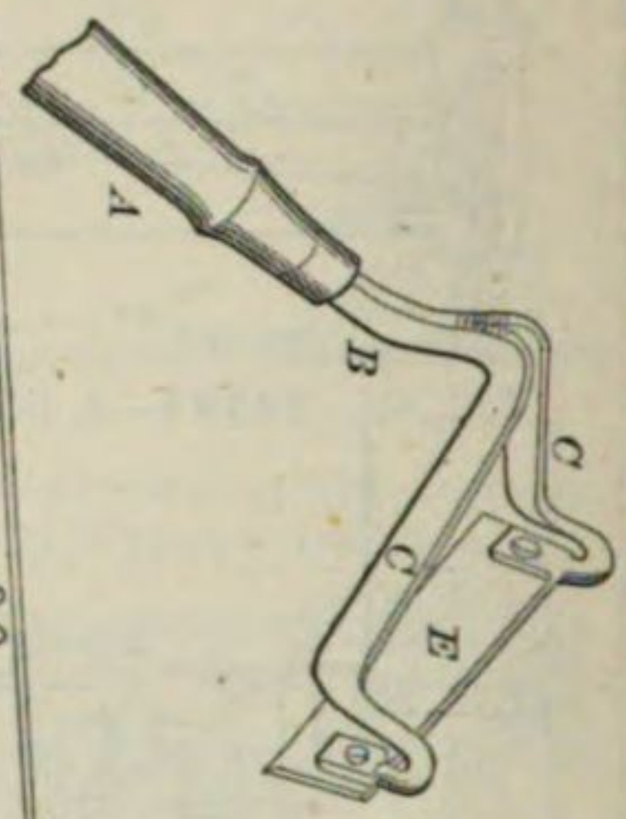
54786—J. Y. Smith—*Metallic Bar.*



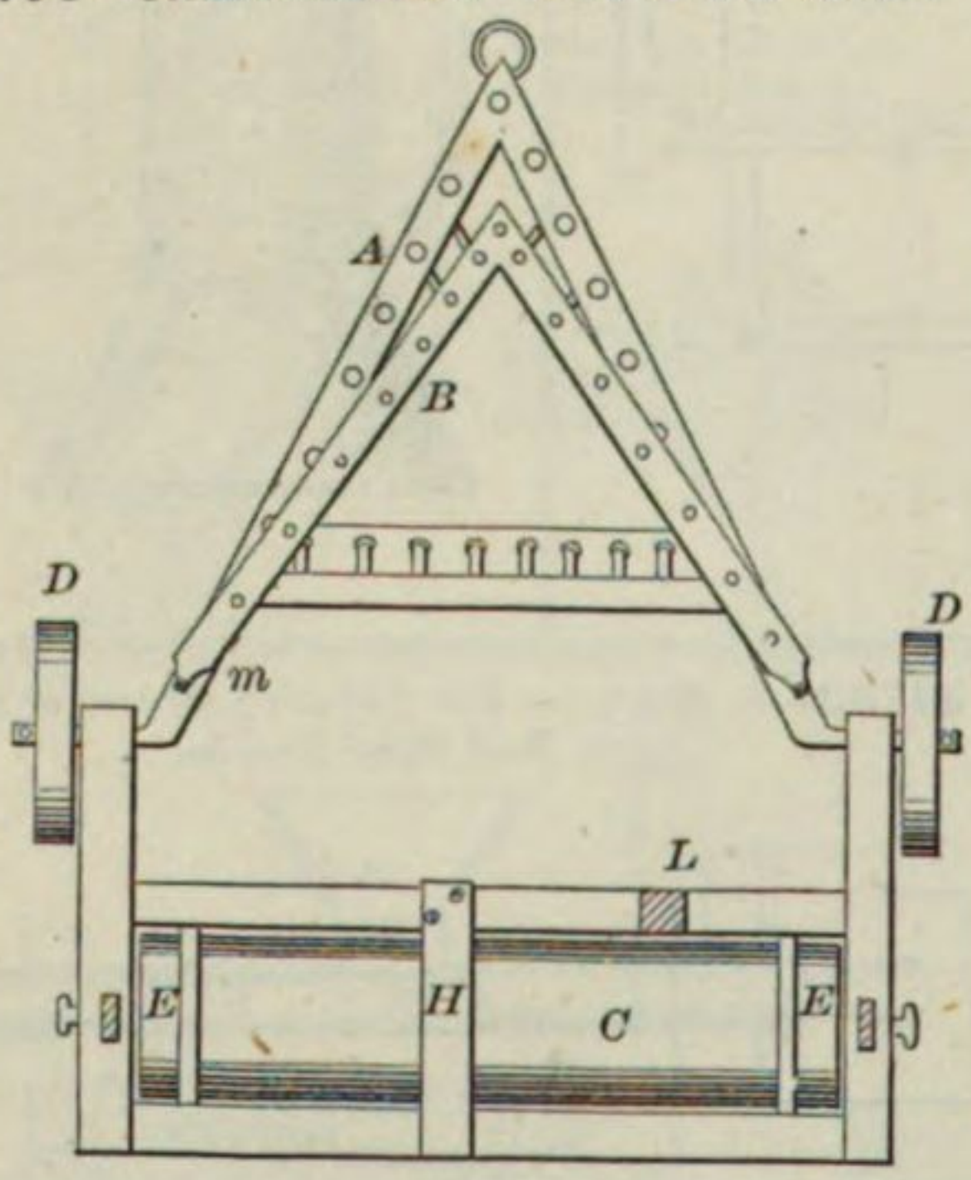
54787—M Smith—*Mail Pouch.*



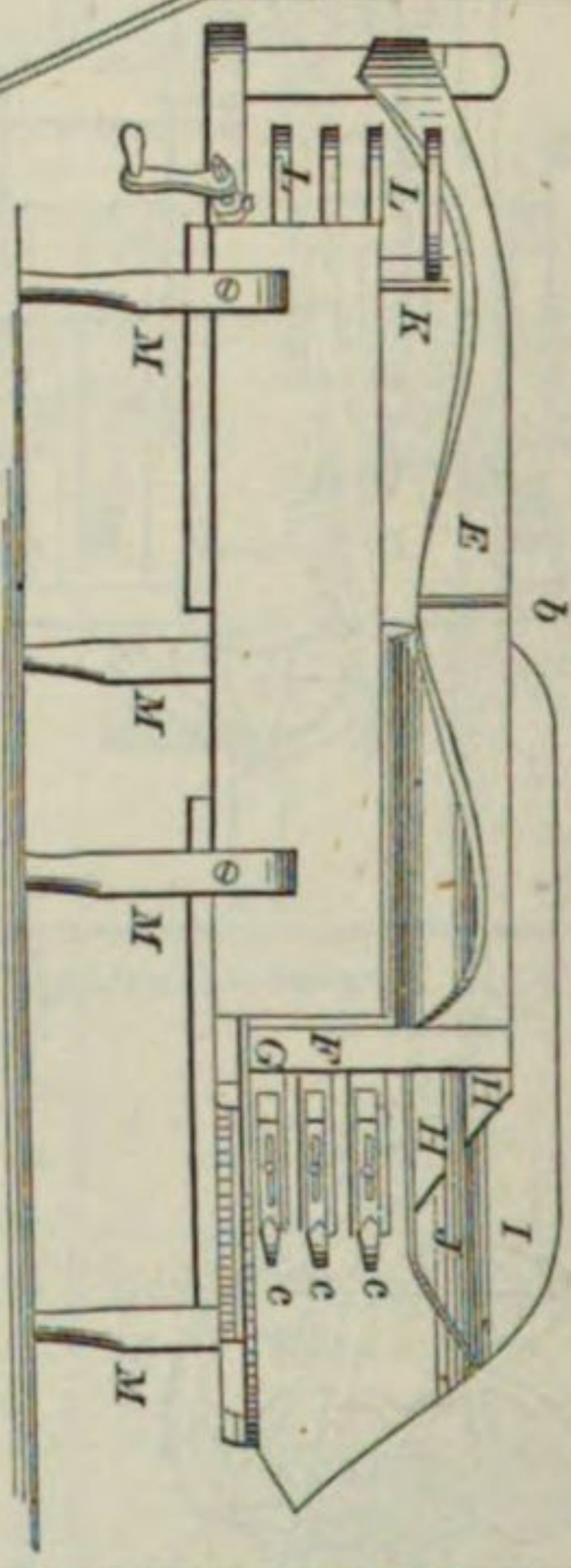
54791—A. P. Stephenson—*Sorghum Stripper.*



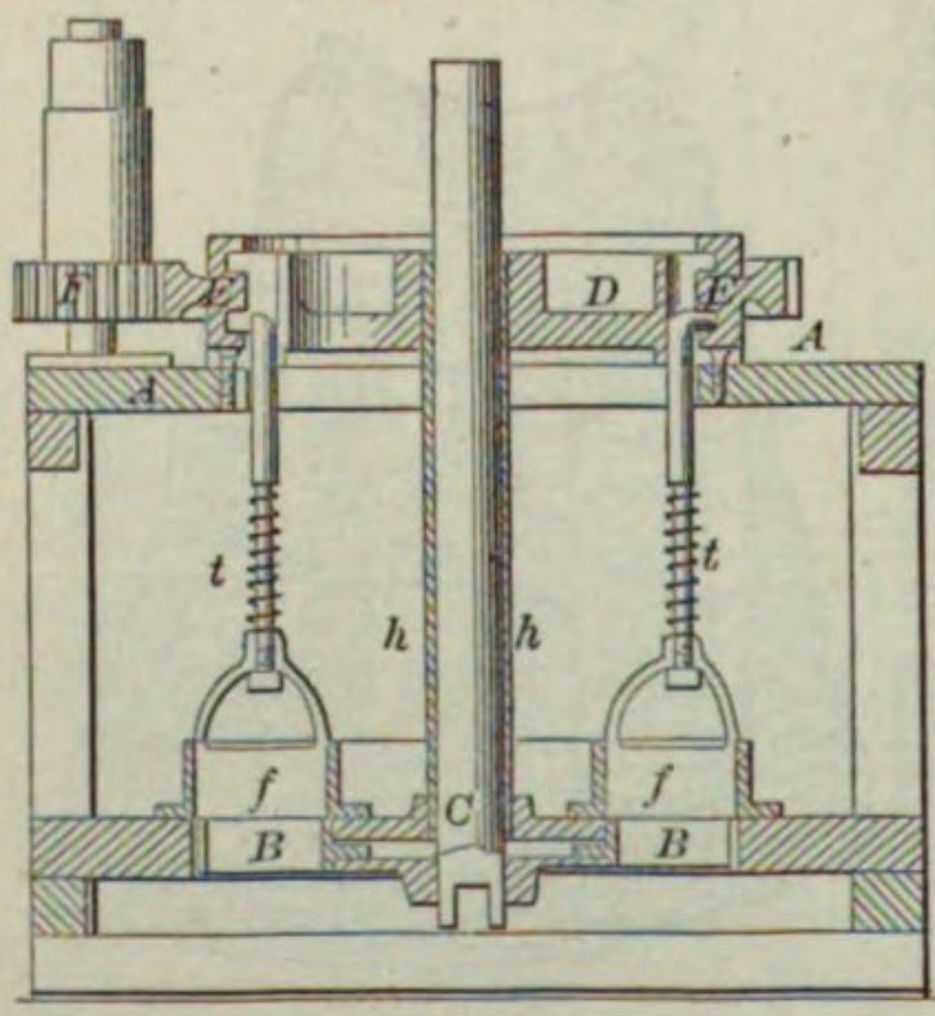
54790—Steiner & Miller—*Harrow and Roller.*



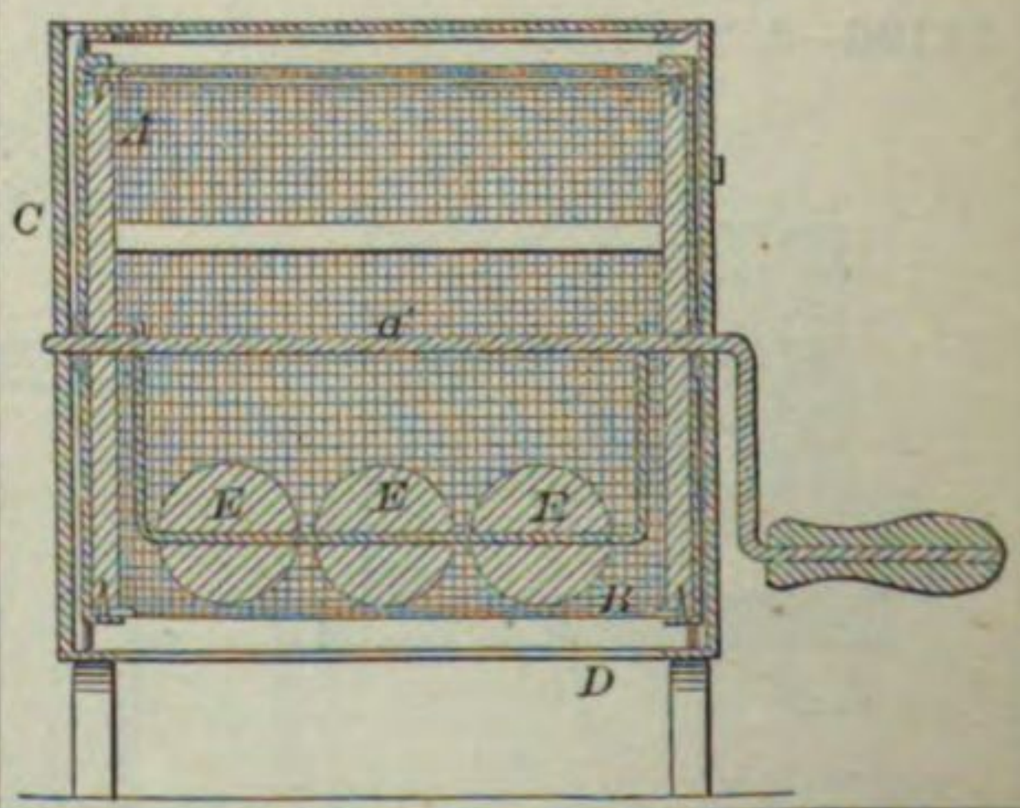
54789—Sprague & Dockum—*Harvester Rake.*



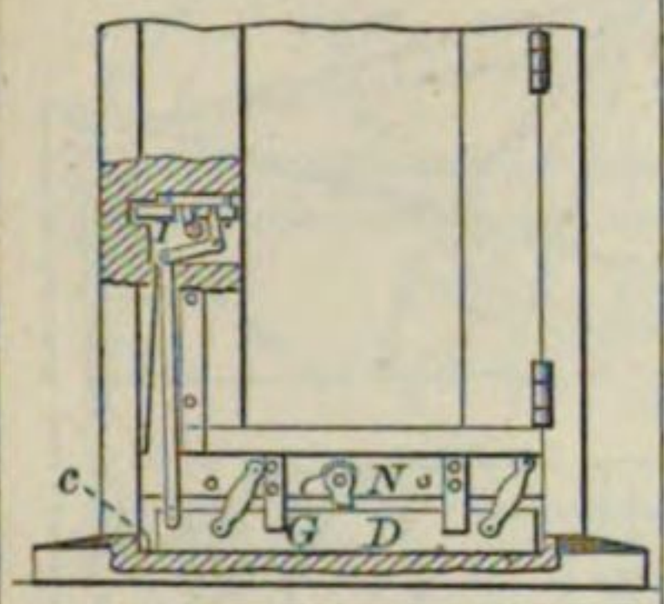
54792—C. C. Stillman—*Water Wheel.*



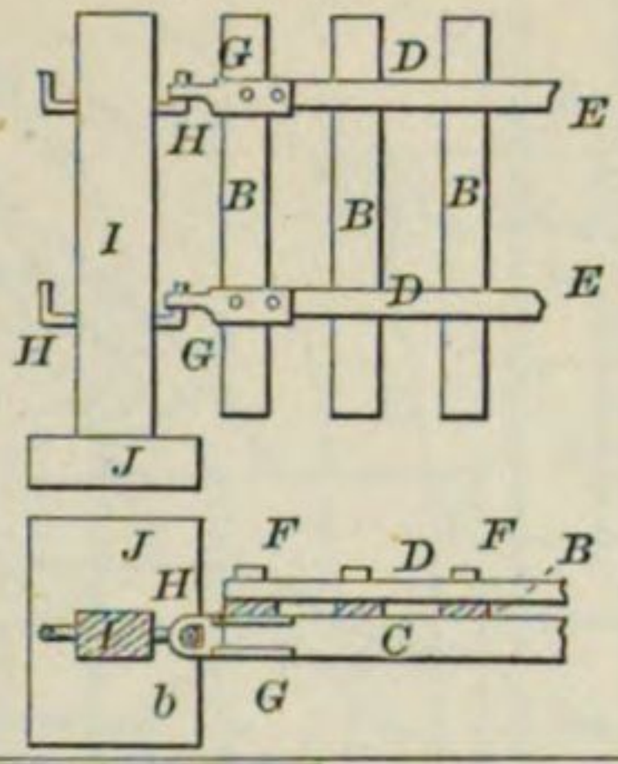
54788—E. Spencer—*Flour Sifter.*



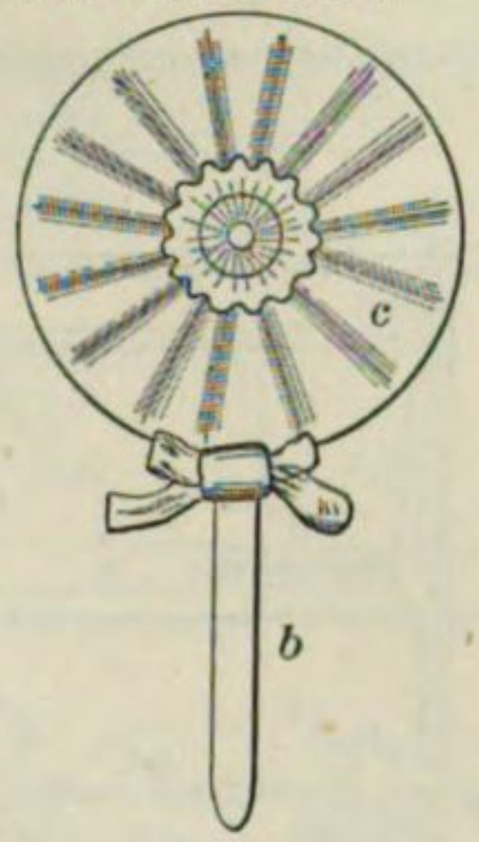
54793—A. E. Strobel—*Weather Strip for Doors.*



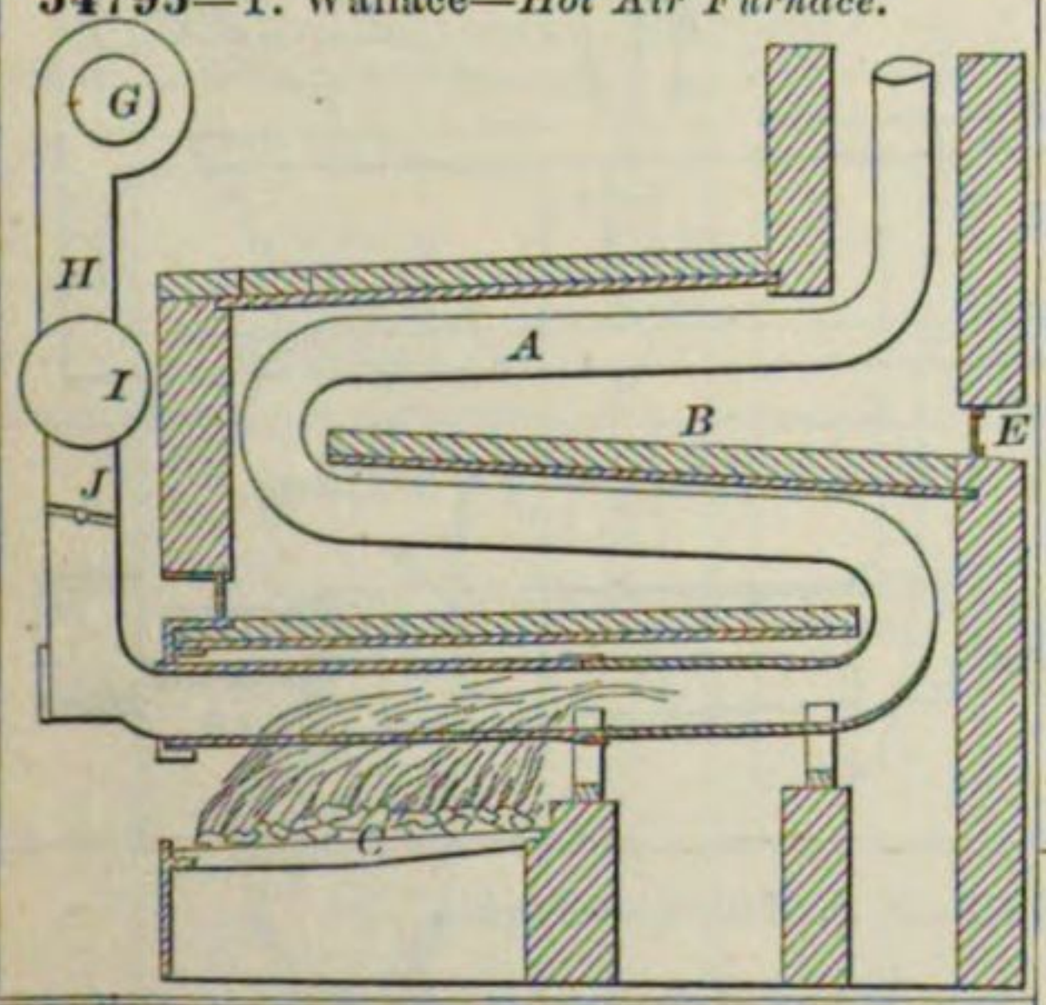
54794—J. Thompson—*Portable Fence.*



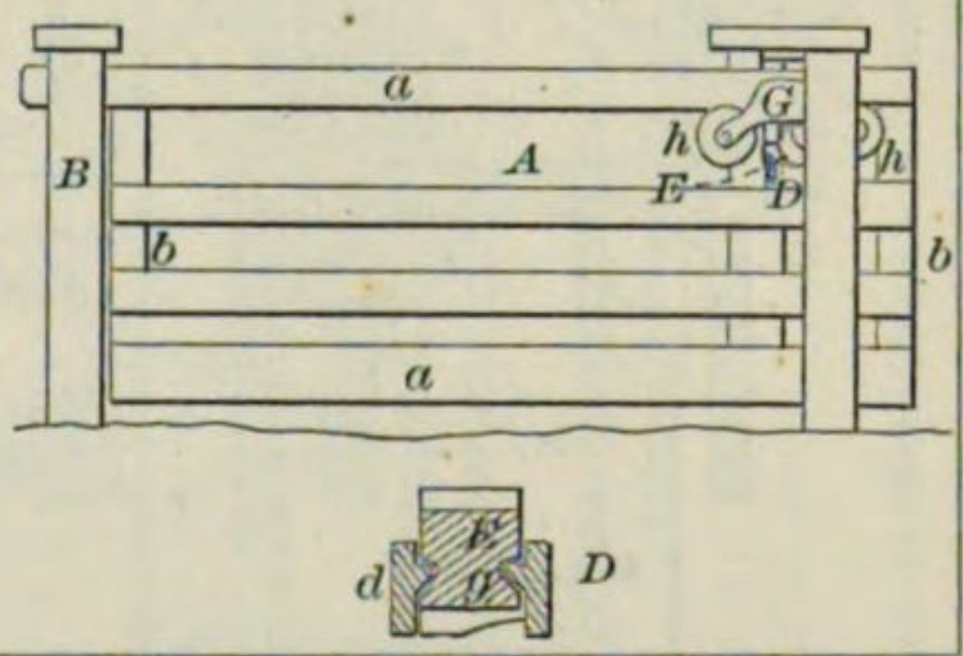
54799—W. H. White—*Fan and Parasol.*



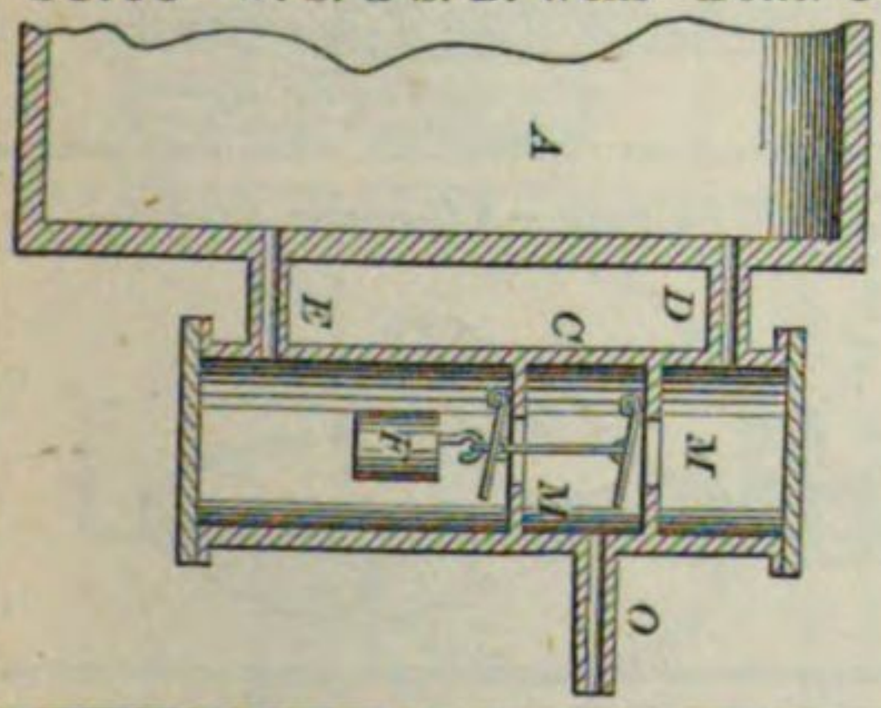
54795—T. Wallace—*Hot Air Furnace.*



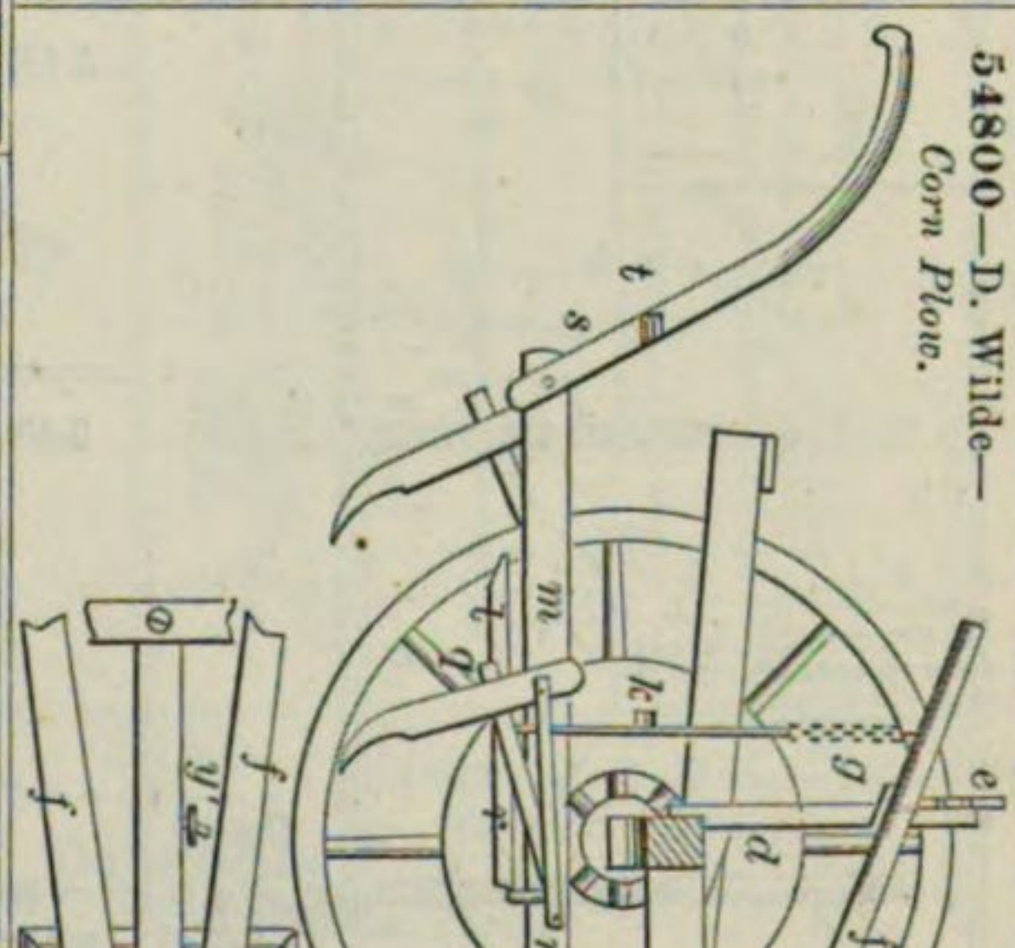
54796—H. M. Ward—*Gate.*



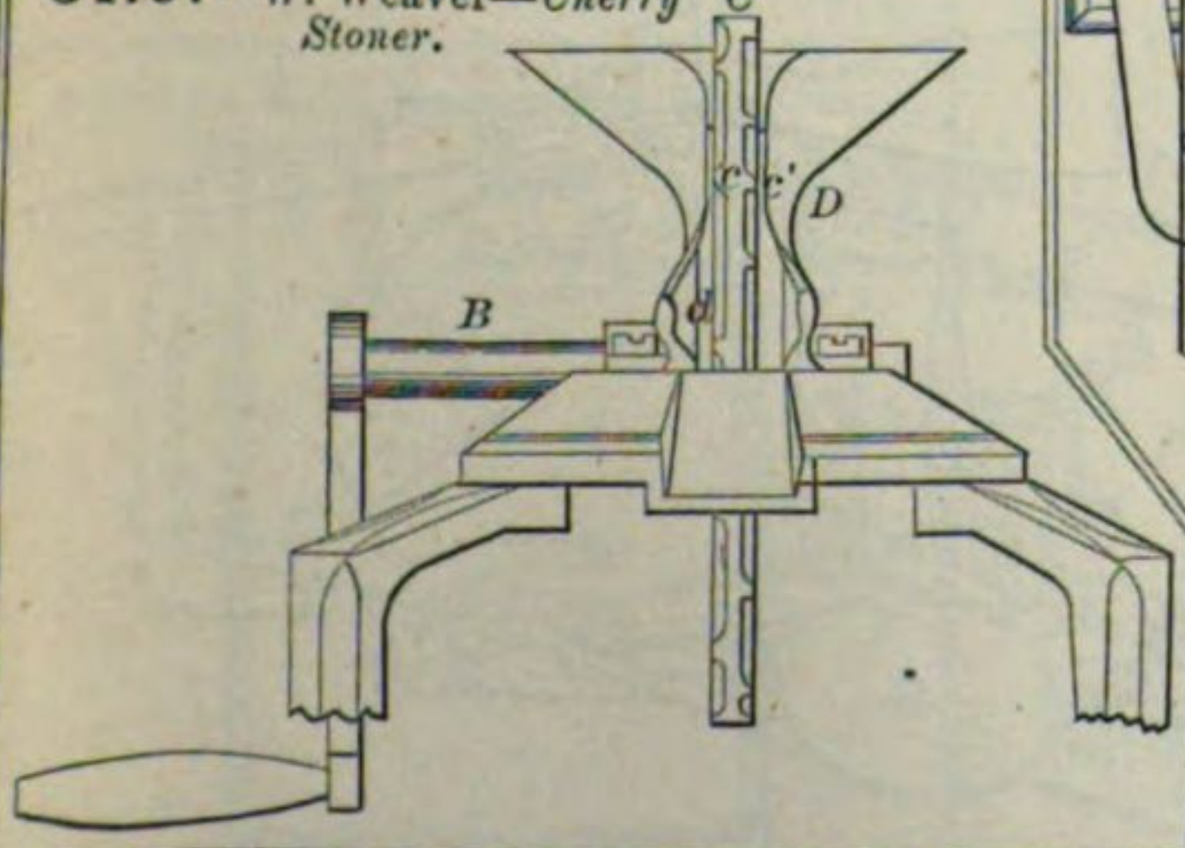
54798—W. S. & S. B. Wells—*Boiler Feeder.*



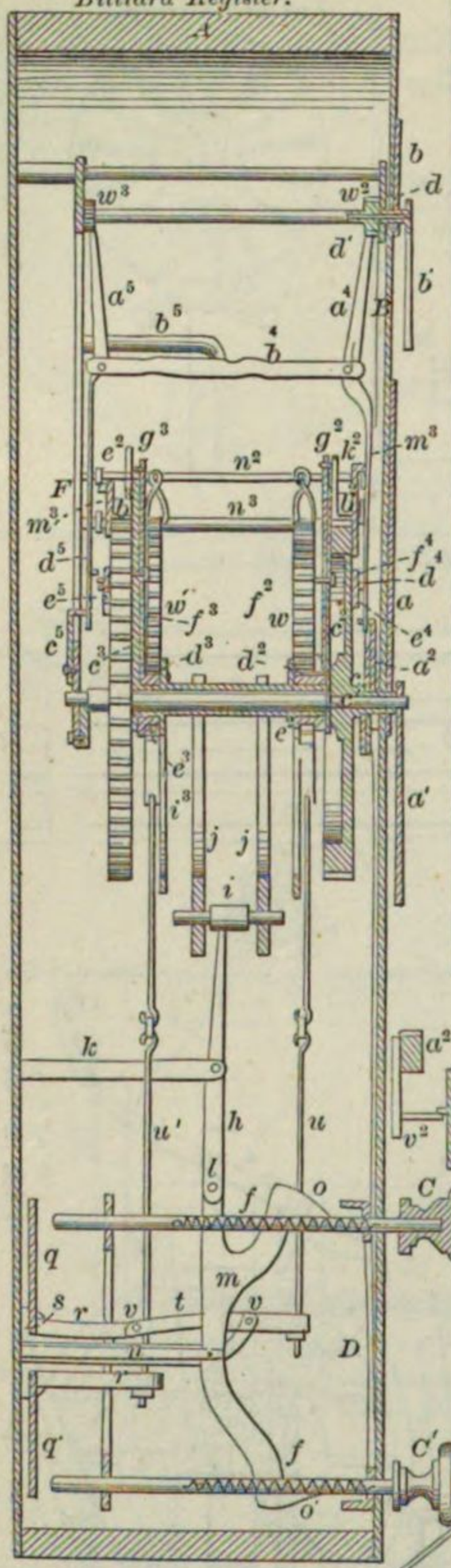
54800—D. Wilde—*Corn Plow.*



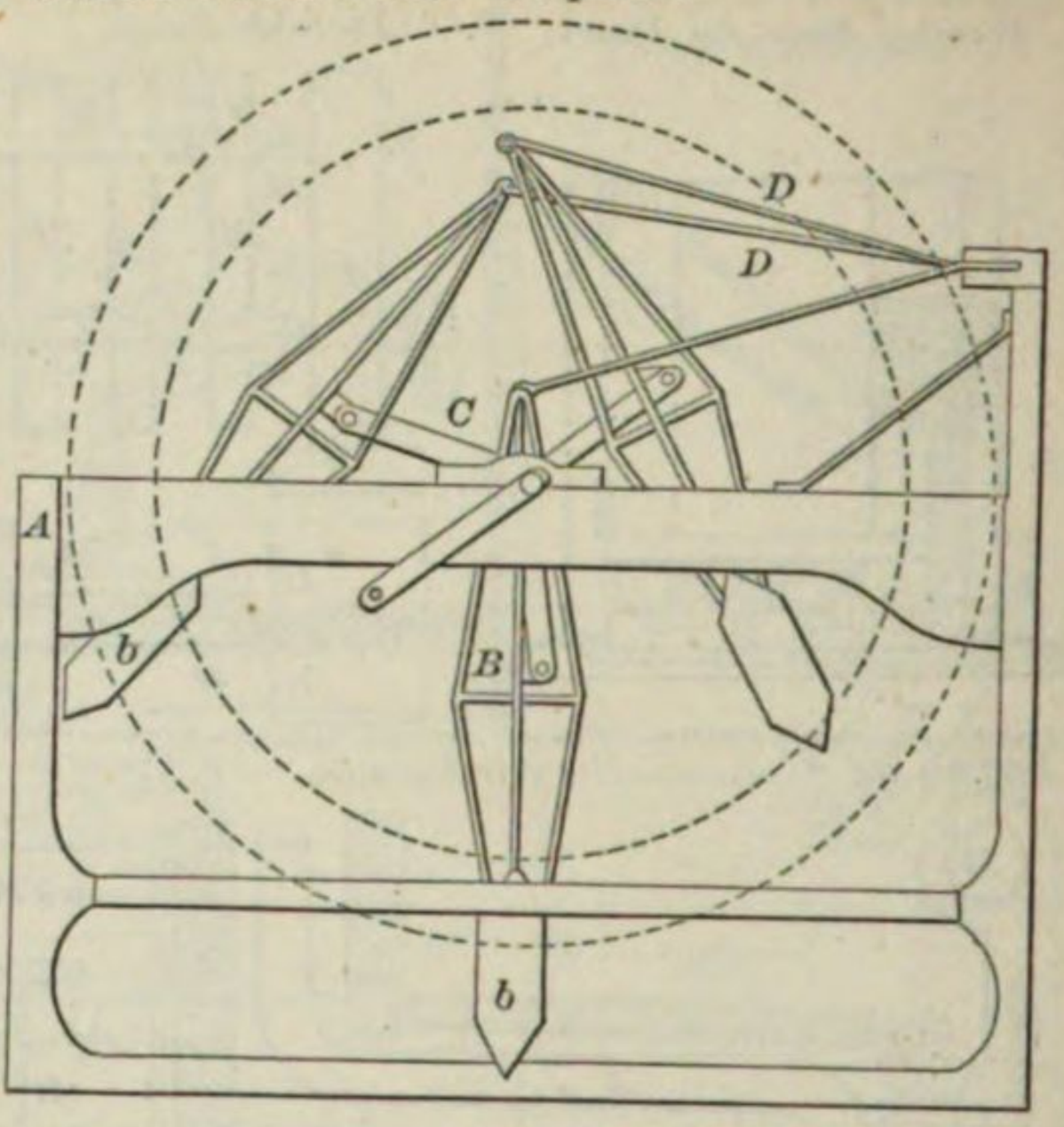
54797—W. Weaver—*Cherry Stoner.*



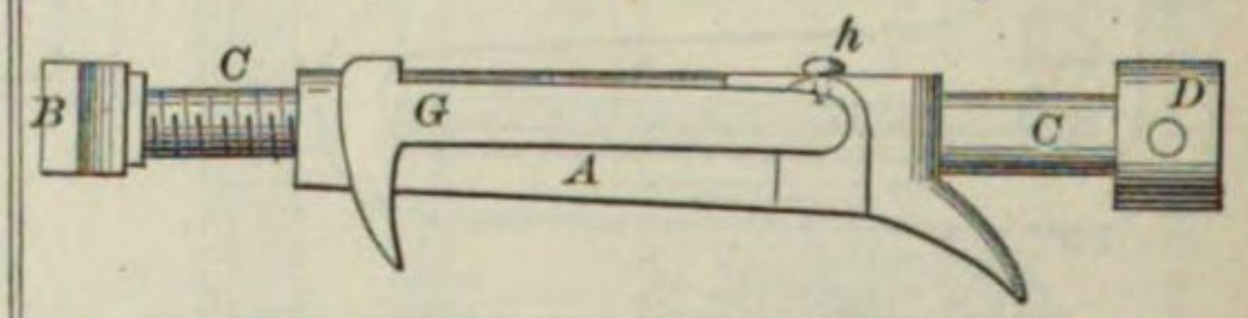
54806—Wirsching & Zoehe—*Billiard Register.*



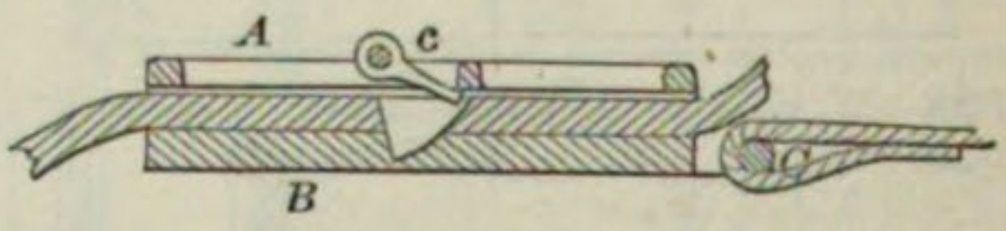
54801—A. A. Wilder—*Propeller.*



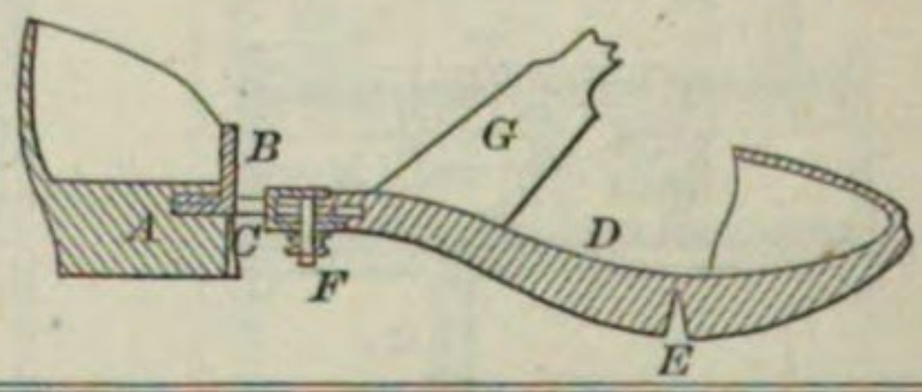
54805—S. C. & S. Winslow—*Floor Clamp.*



54803—J. J. Wilkins—*Buckle.*

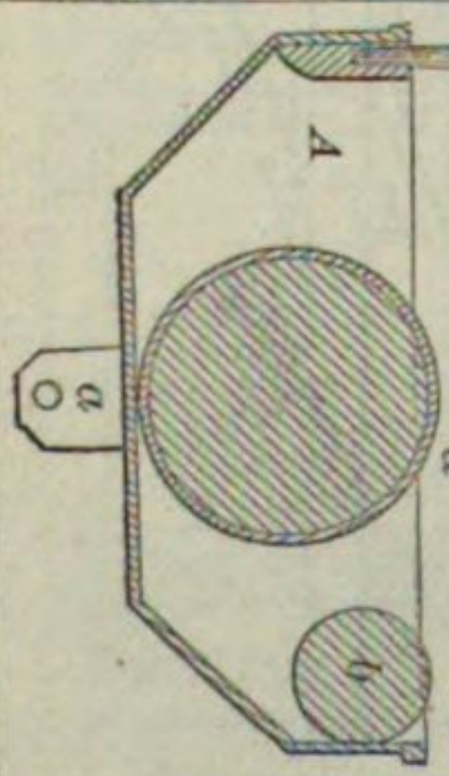


54804—J. M. Wilkinson—*Adjustable Sandal.*

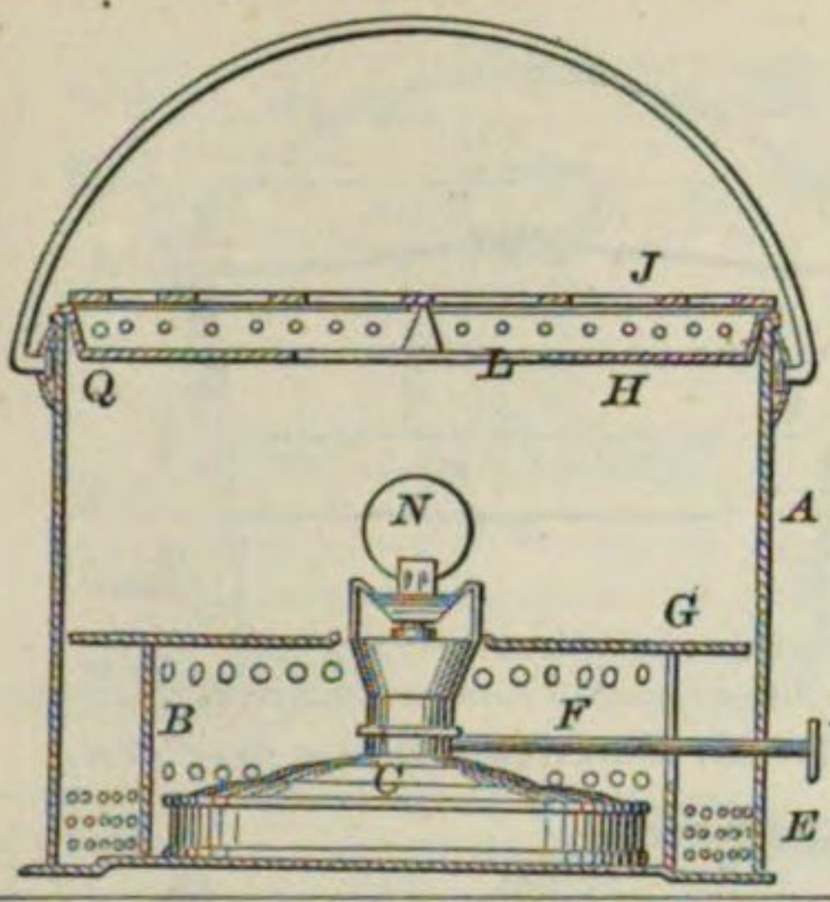


54807—O. E. Woods—*Slinging Arms.*

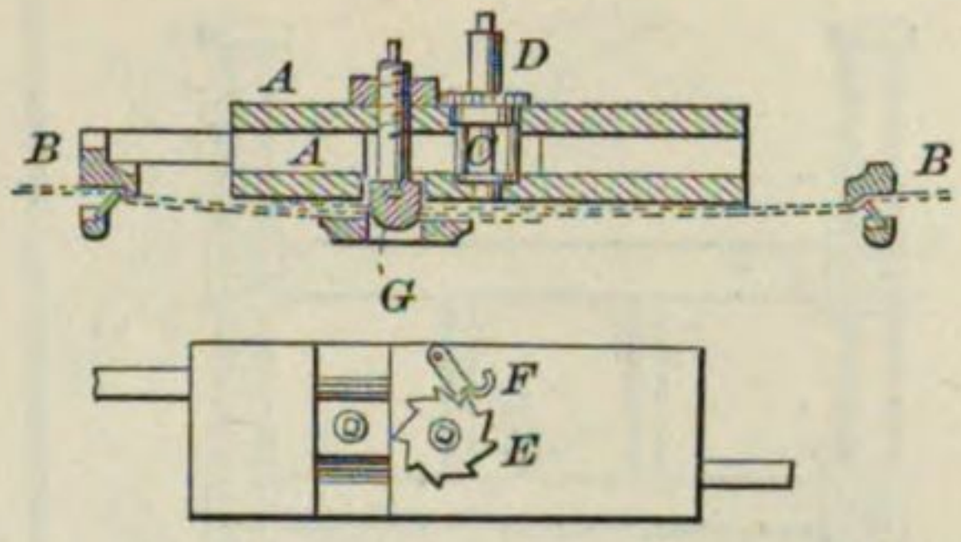
54802—M. H. Wiley—*Whitewashing Apparatus.*



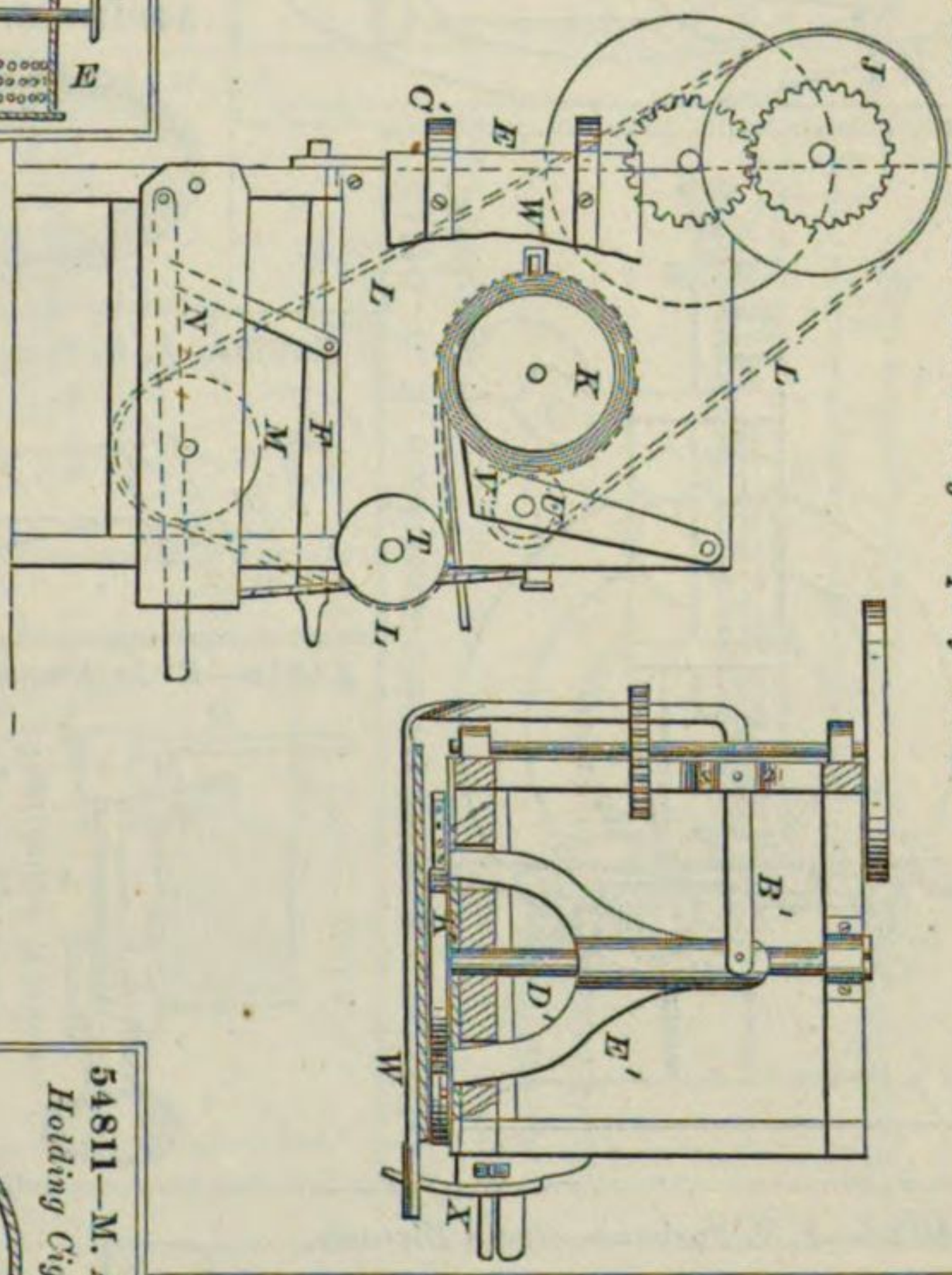
54808—M. B. Wright—*Foot Stove.*



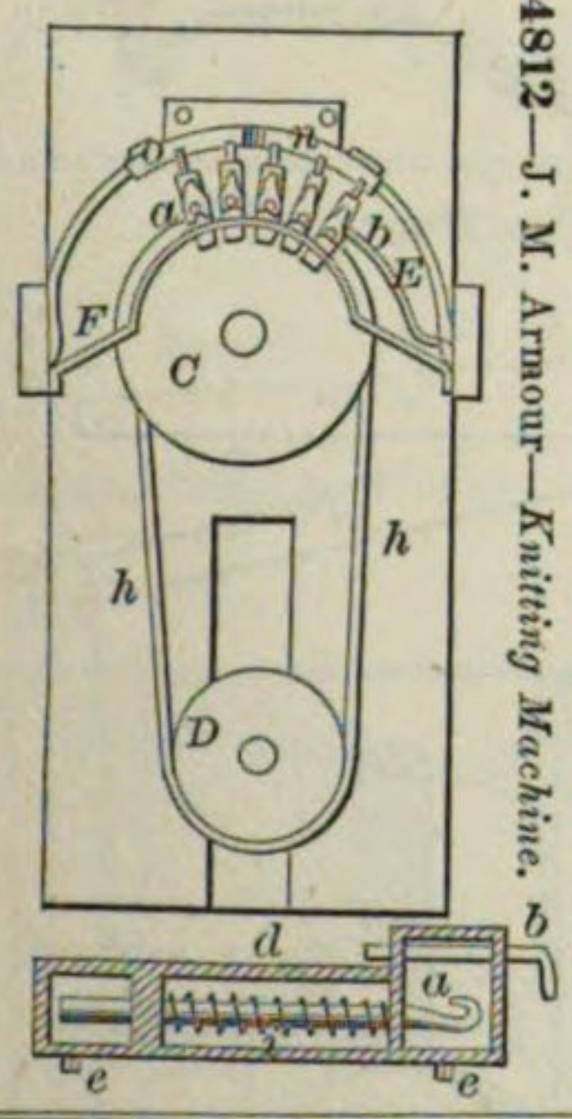
54810—R. S. Adams—*For Securing Hoops of Bales.*



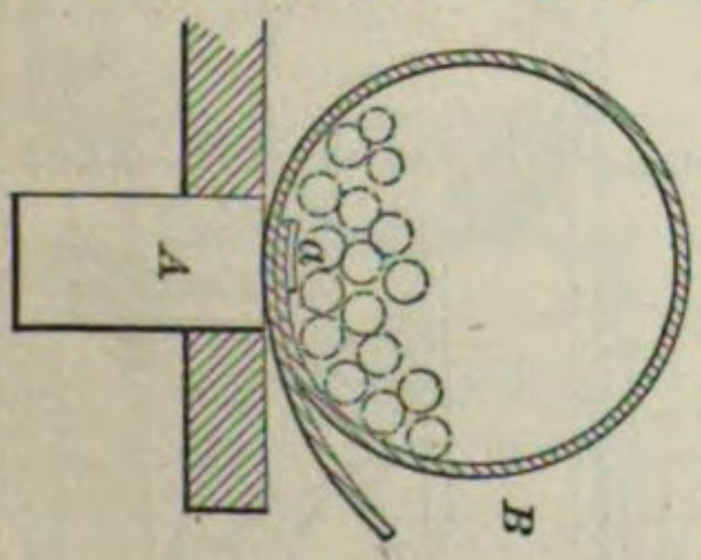
54809—L. Zitsel—*For Coiling Hoops of Wood.*



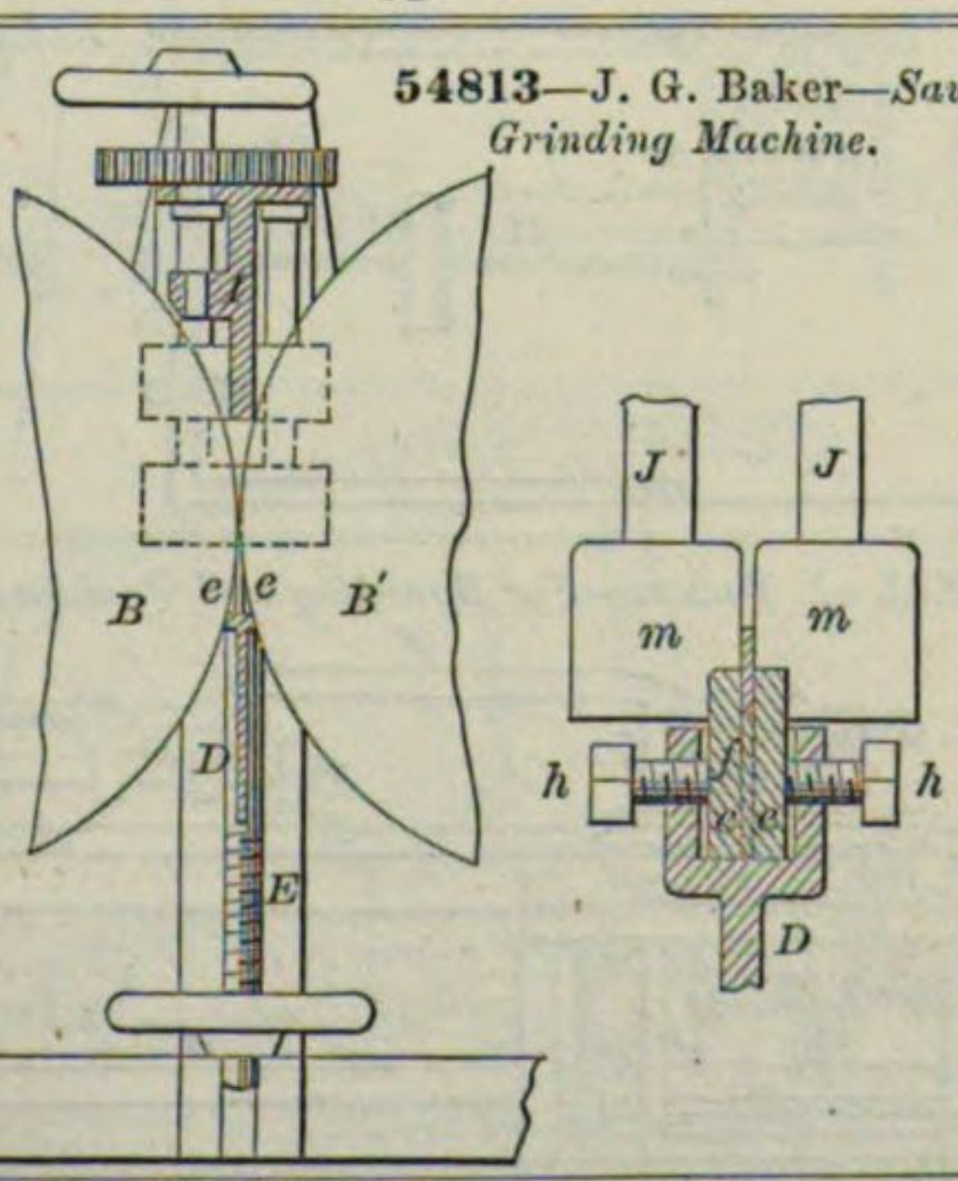
54812—J. M. Armour—*Knitting Machine.*



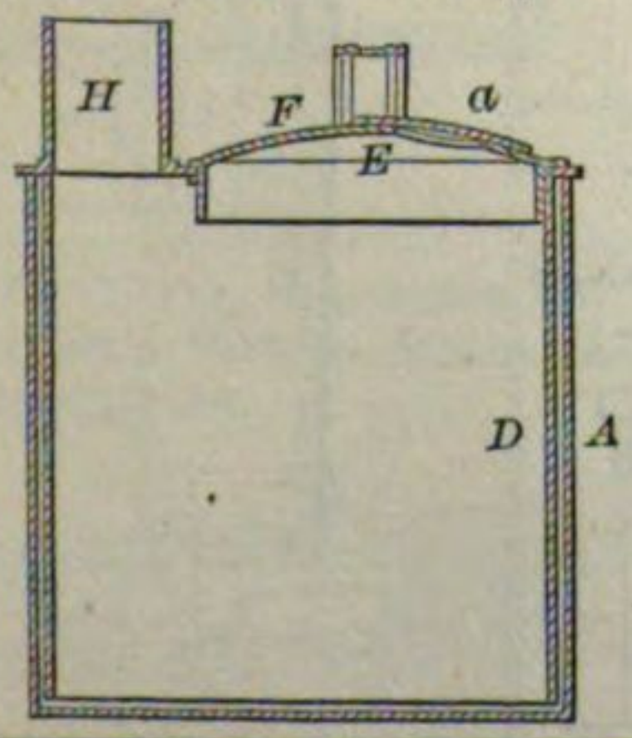
54811—M. Ali—*Clamp for Holding Cigars for Tying.*



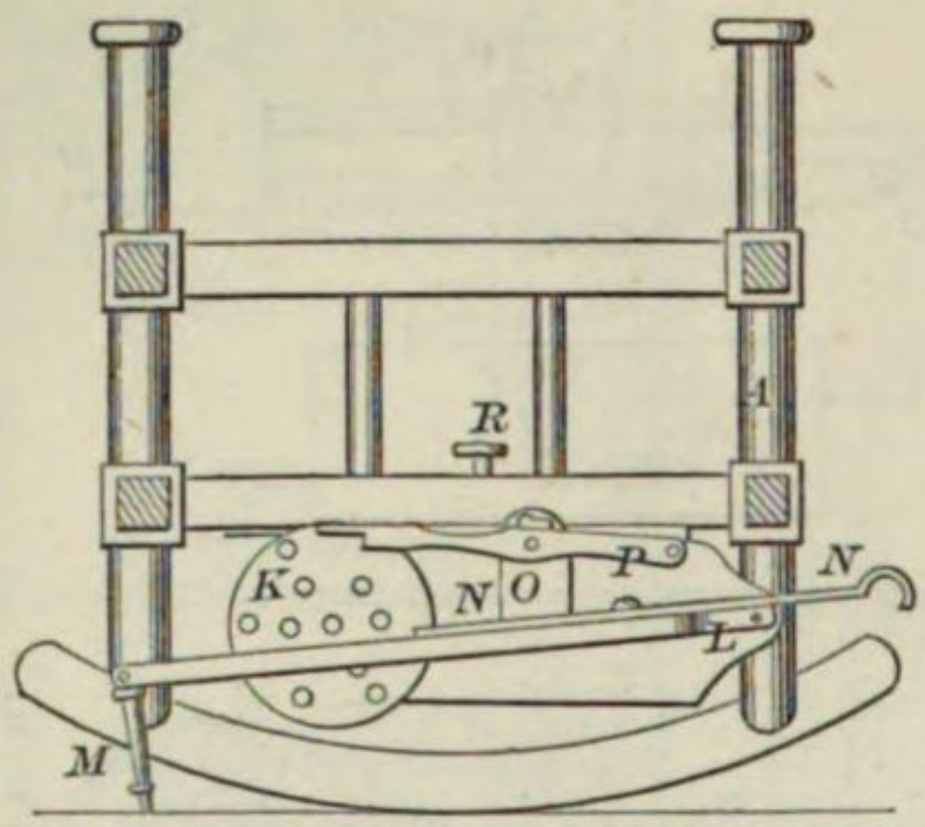
54813—J. G. Baker—*Saw Grinding Machine.*



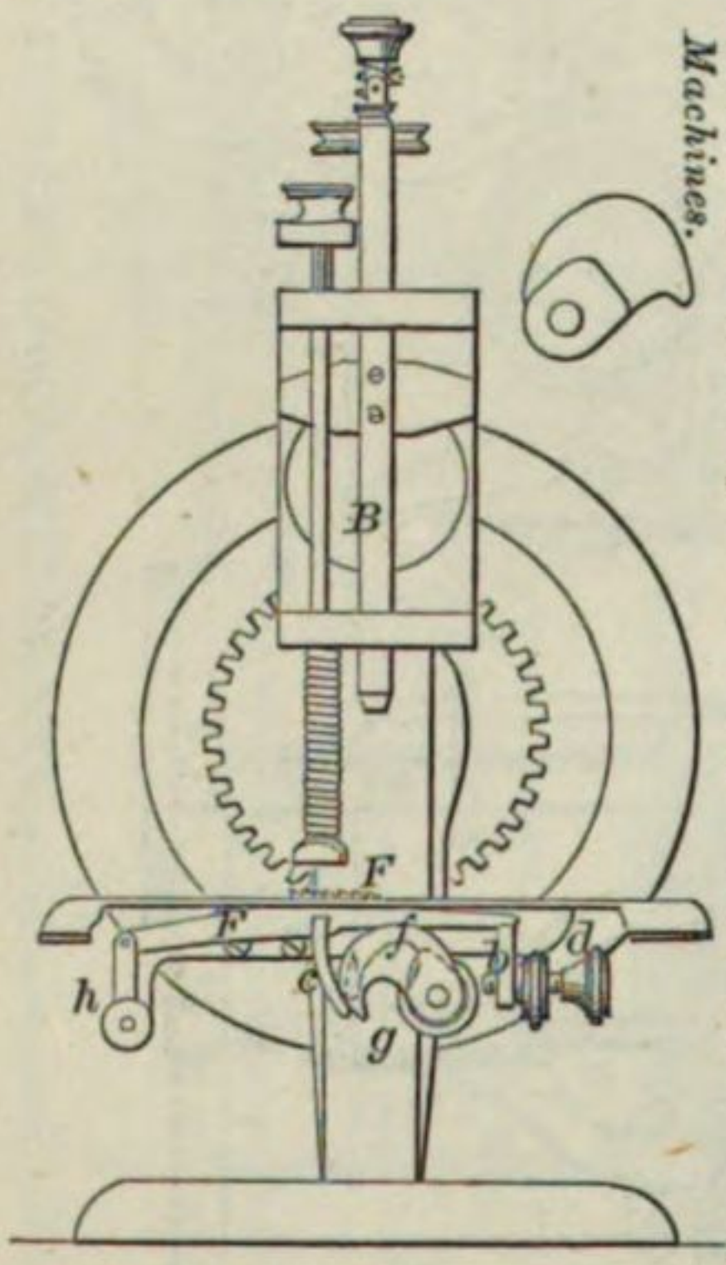
54814—A. N. Beach—*Heating Stove.*



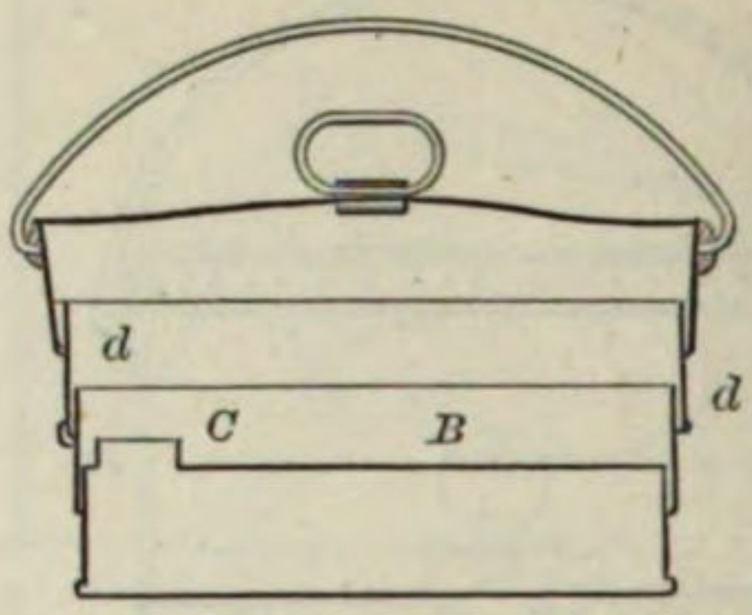
54815—B. Brazelle—*Self-Rocking Cradle.*



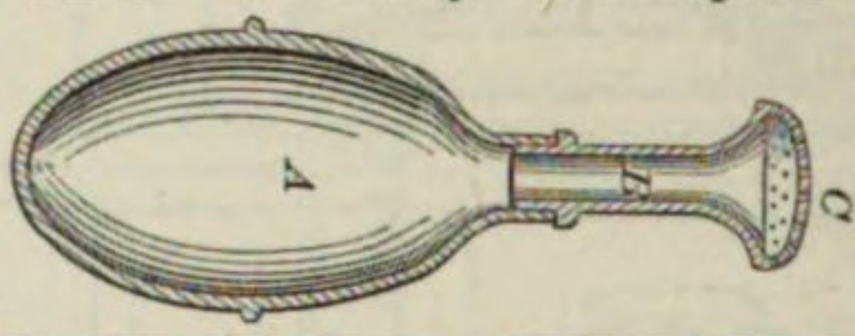
54816—G. N. Goodspeed—*Feeding Mechanism for Sewing Machines.*



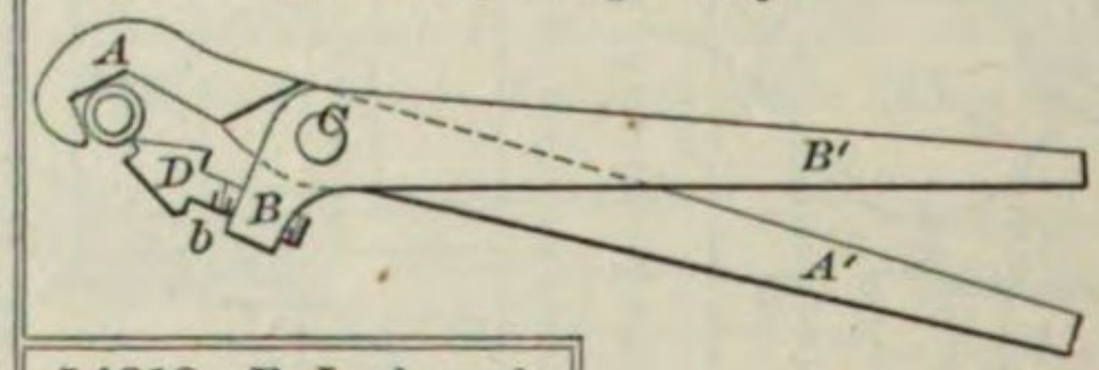
54817—D. Howarth—*Dinner Pail.*



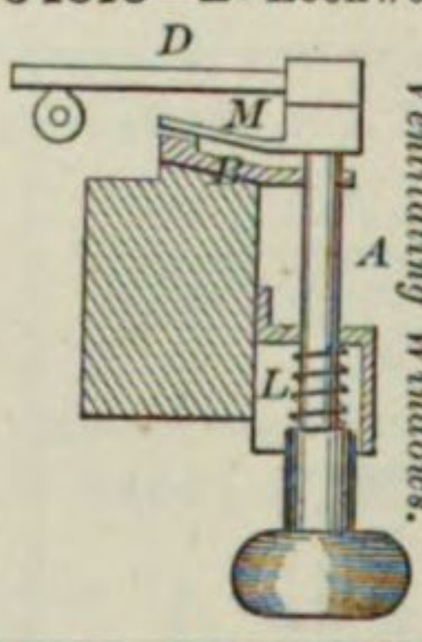
54819—M. Moriarty—*Clothes Sprinkler.*



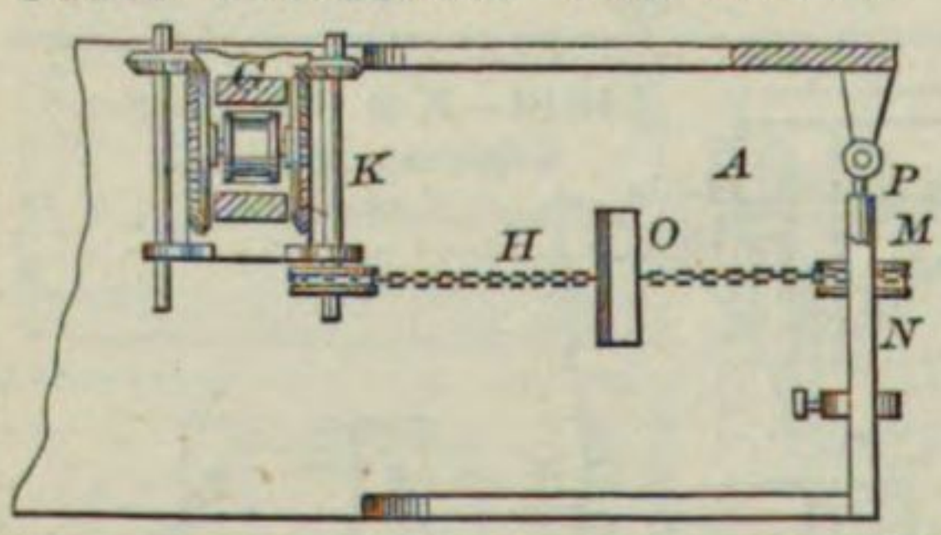
54820—A. G. Page—*Pipe Tongs.*

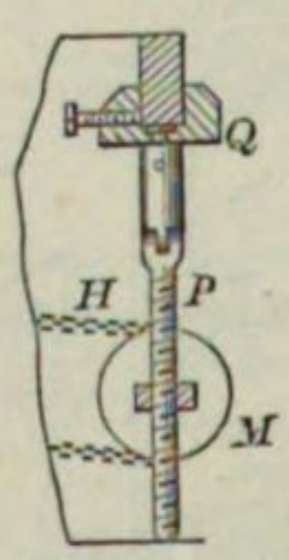


54818—E. Lockwood—*Operating Sashes of Ventilating Windows.*

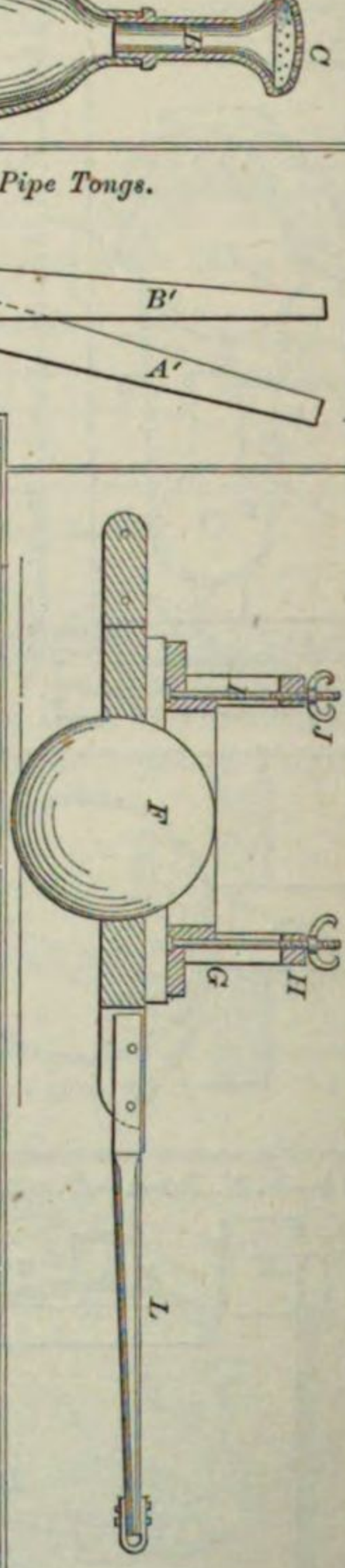


54822—J. T. Parbour—*Grain Elevator.*

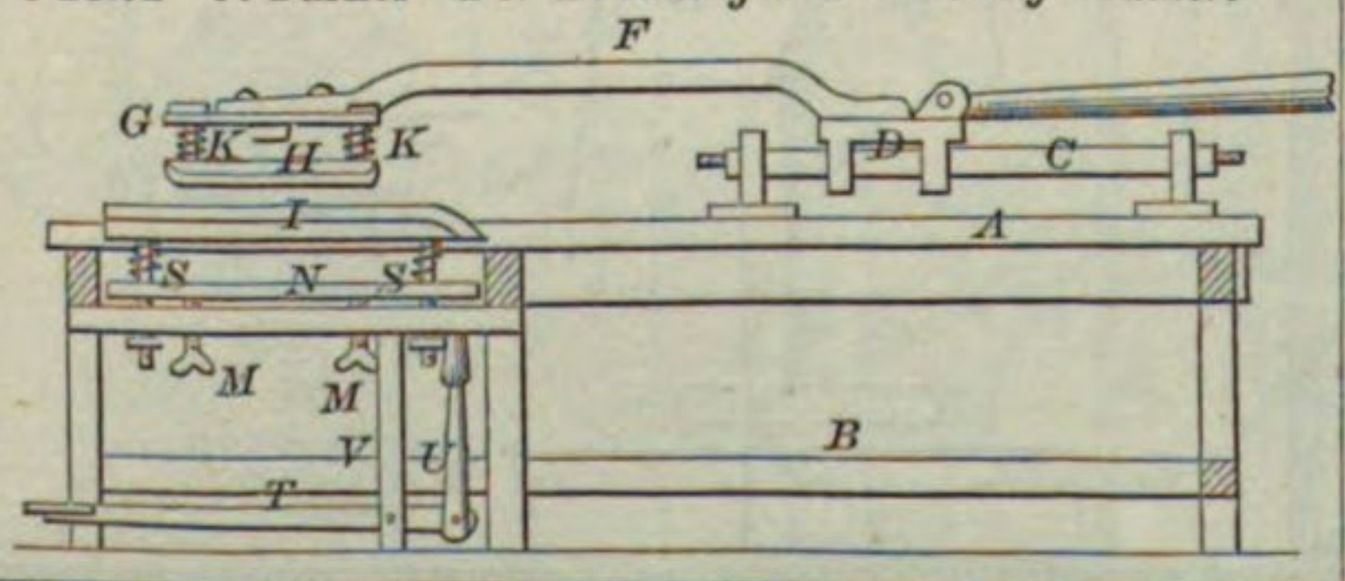




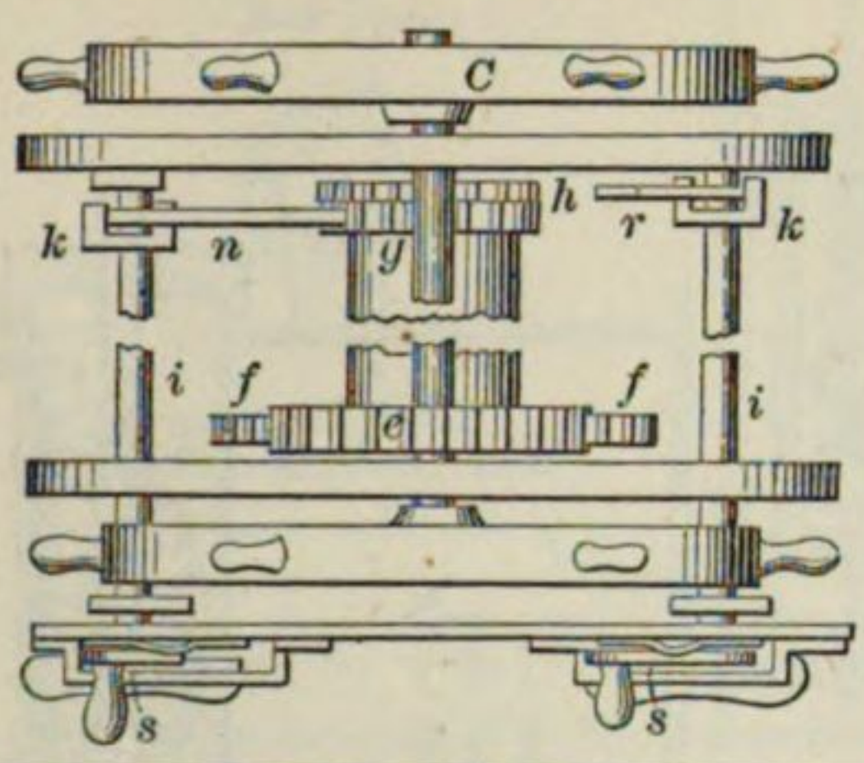
54823—Rees & Graham—*Ditching Machine.*



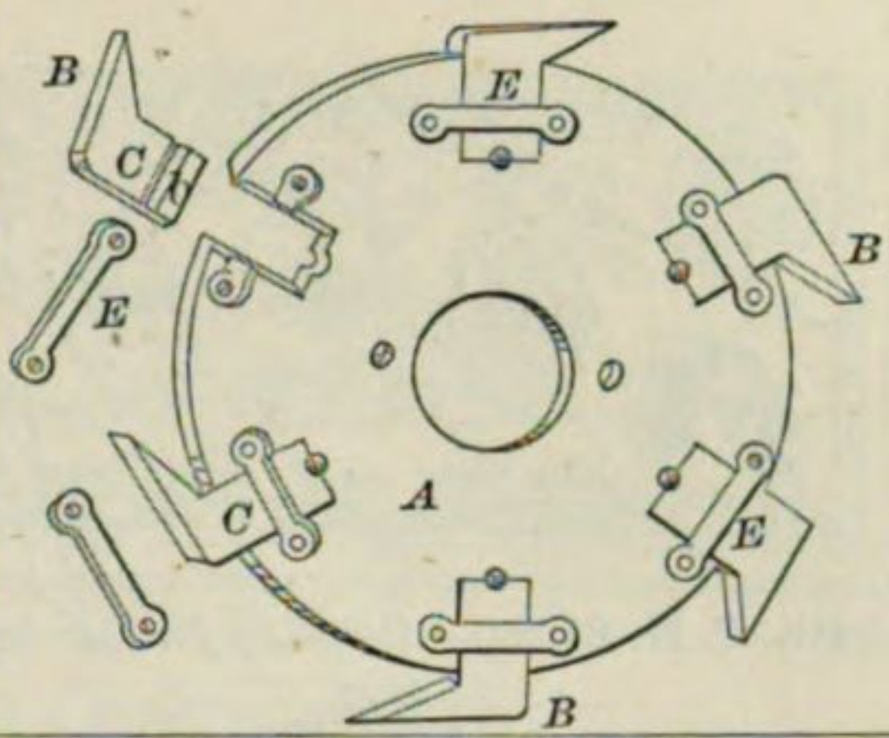
54821—J. Parker—*For Boarding and Graining Leather.*



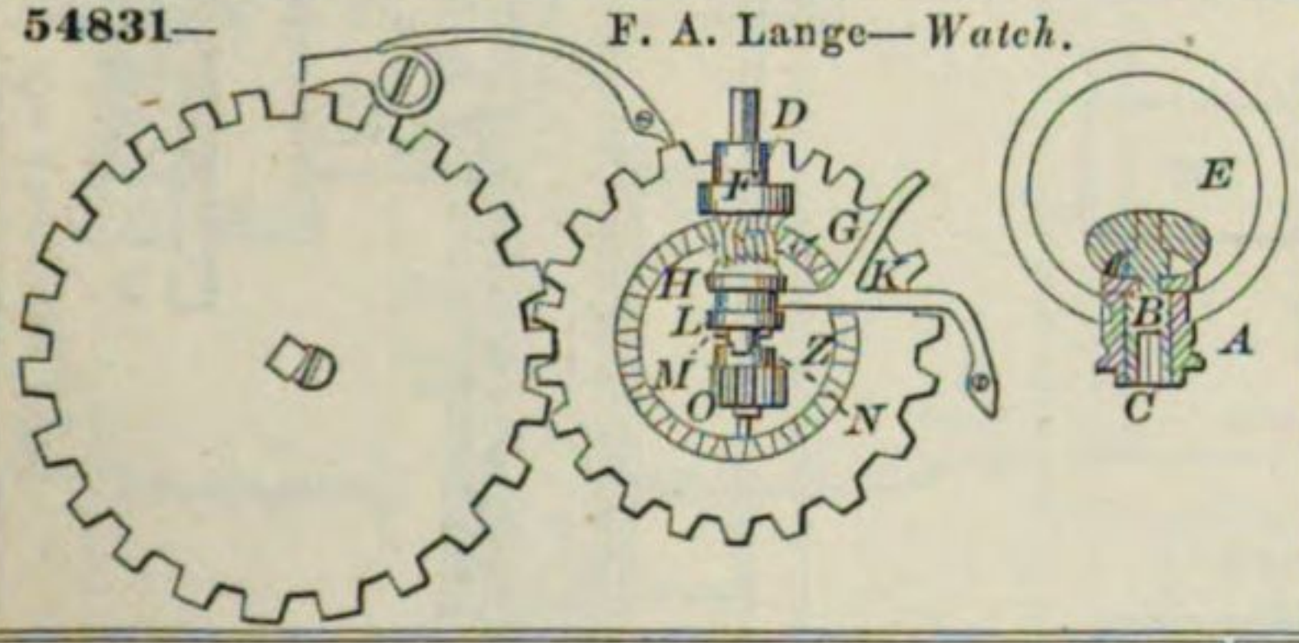
54824—E. A. Turner—*Steering Apparatus.*



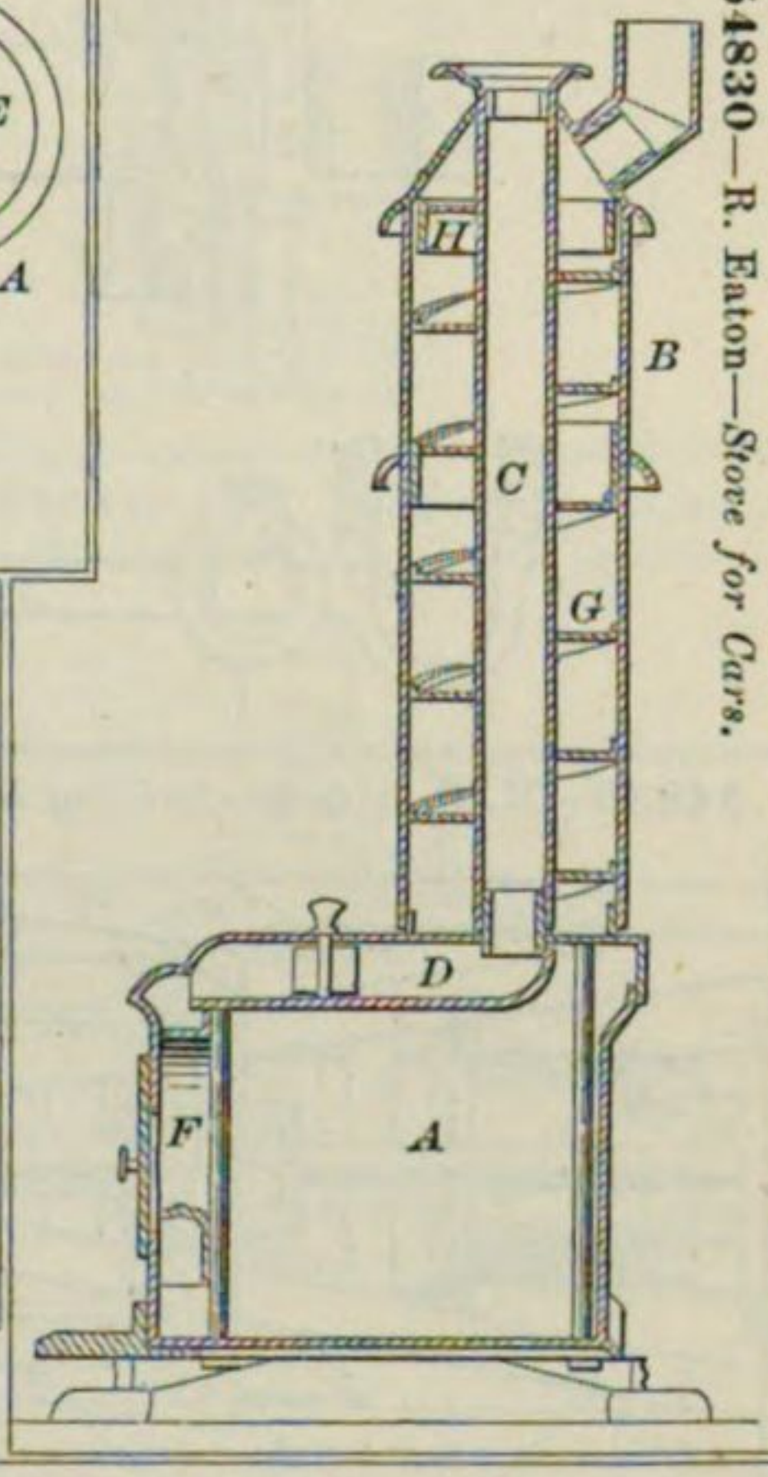
54827—J. Woodrough—*Saw.*



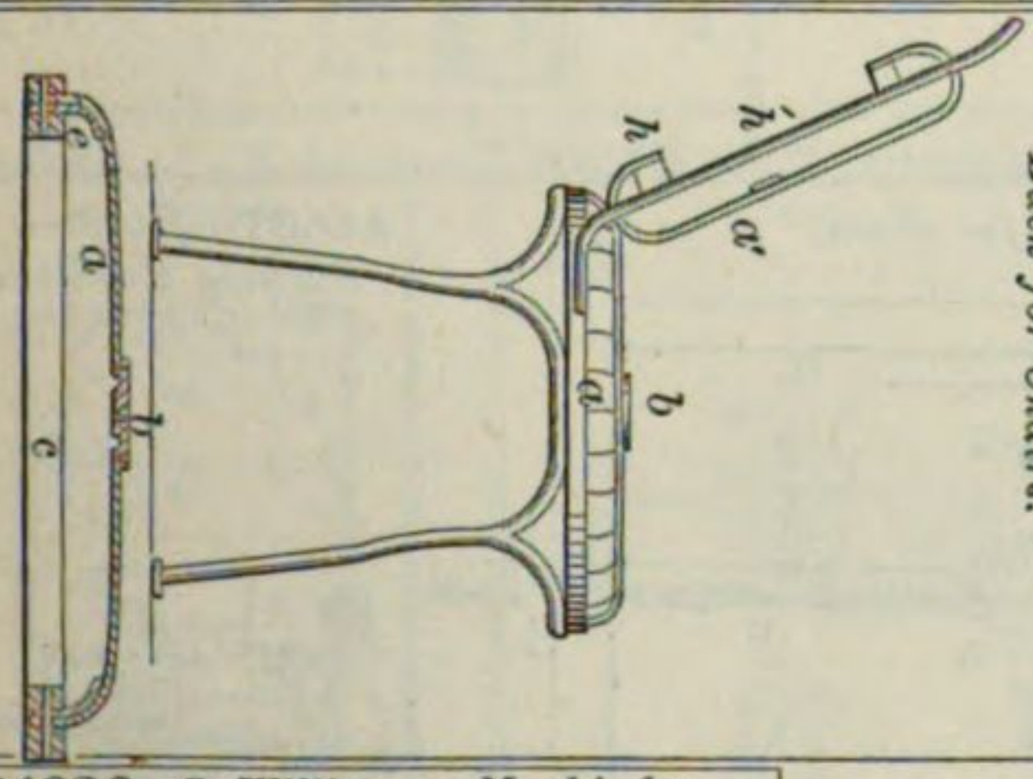
54831— F. A. Lange—*Watch.*



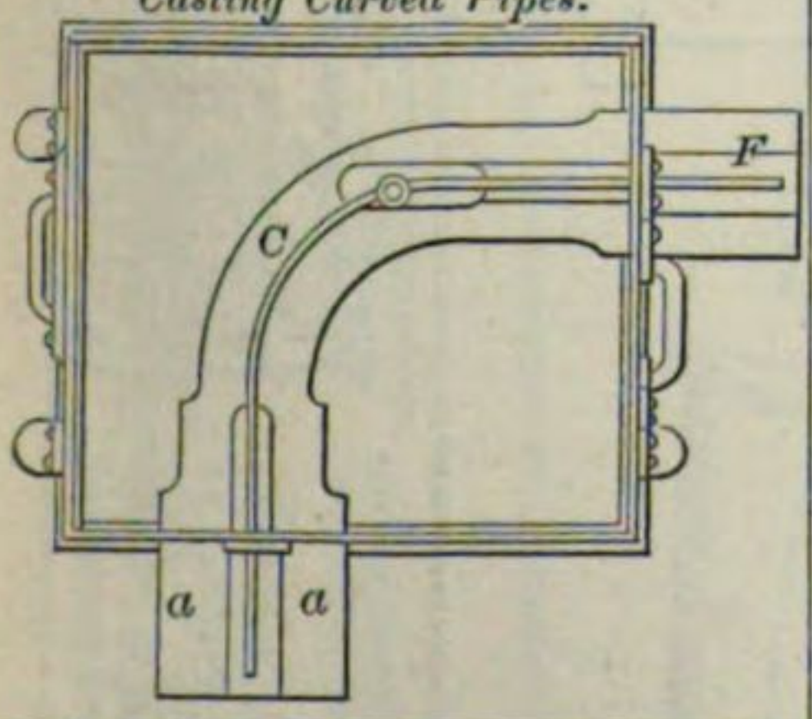
54830—R. Eaton—*Stove for Cars.*



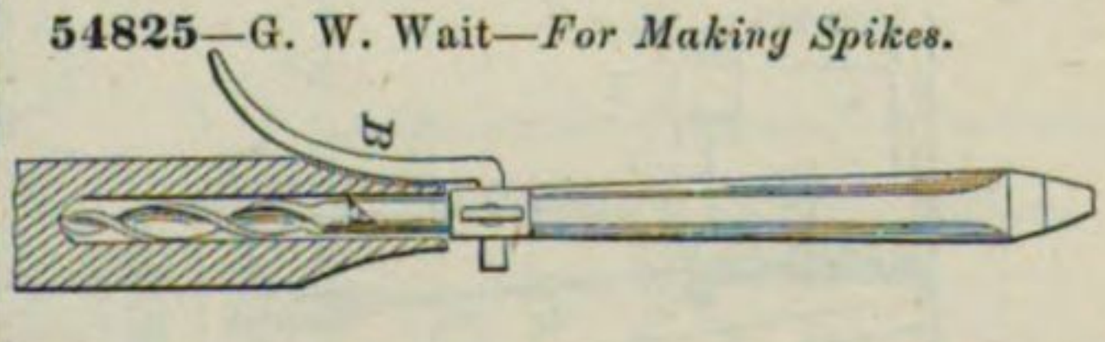
54828—F. Carré—*Seat and Back for Chairs.*



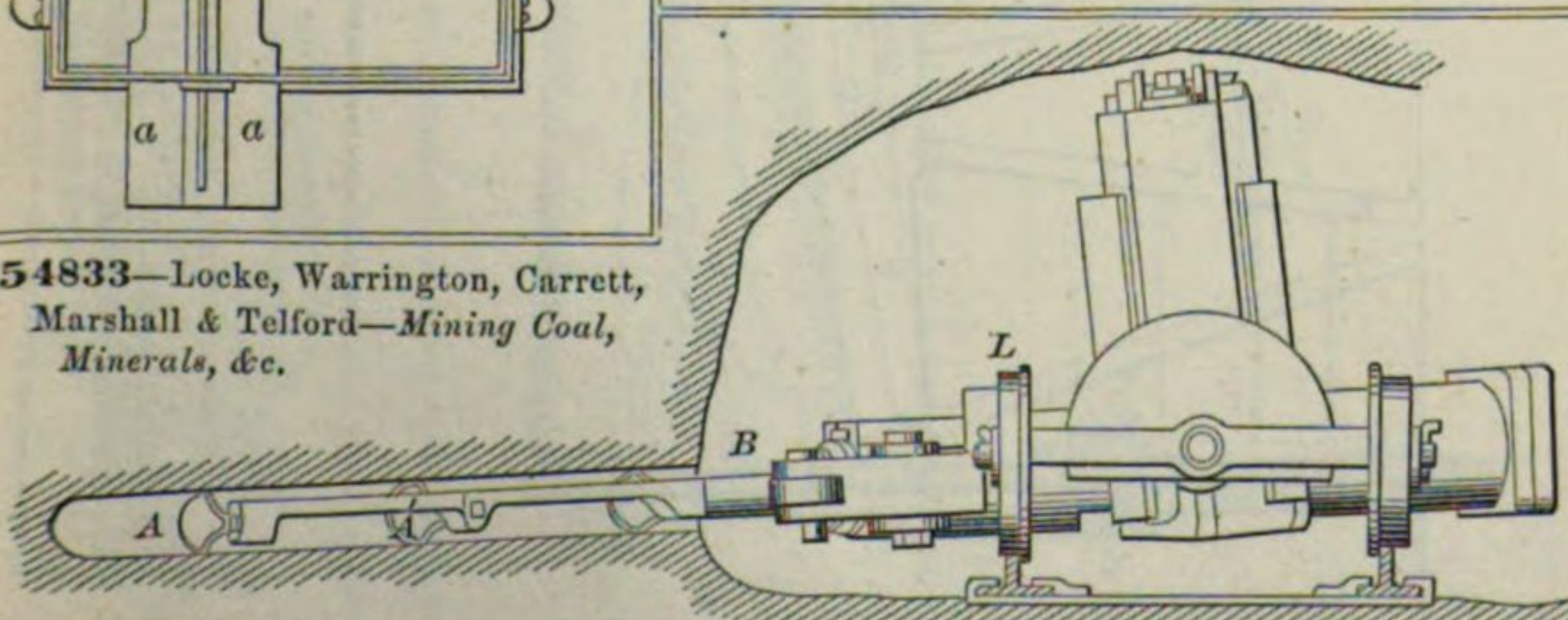
54826—S. Williams—*Mould for Casting Curved Pipes.*



54825—G. W. Wait—*For Making Spikes.*

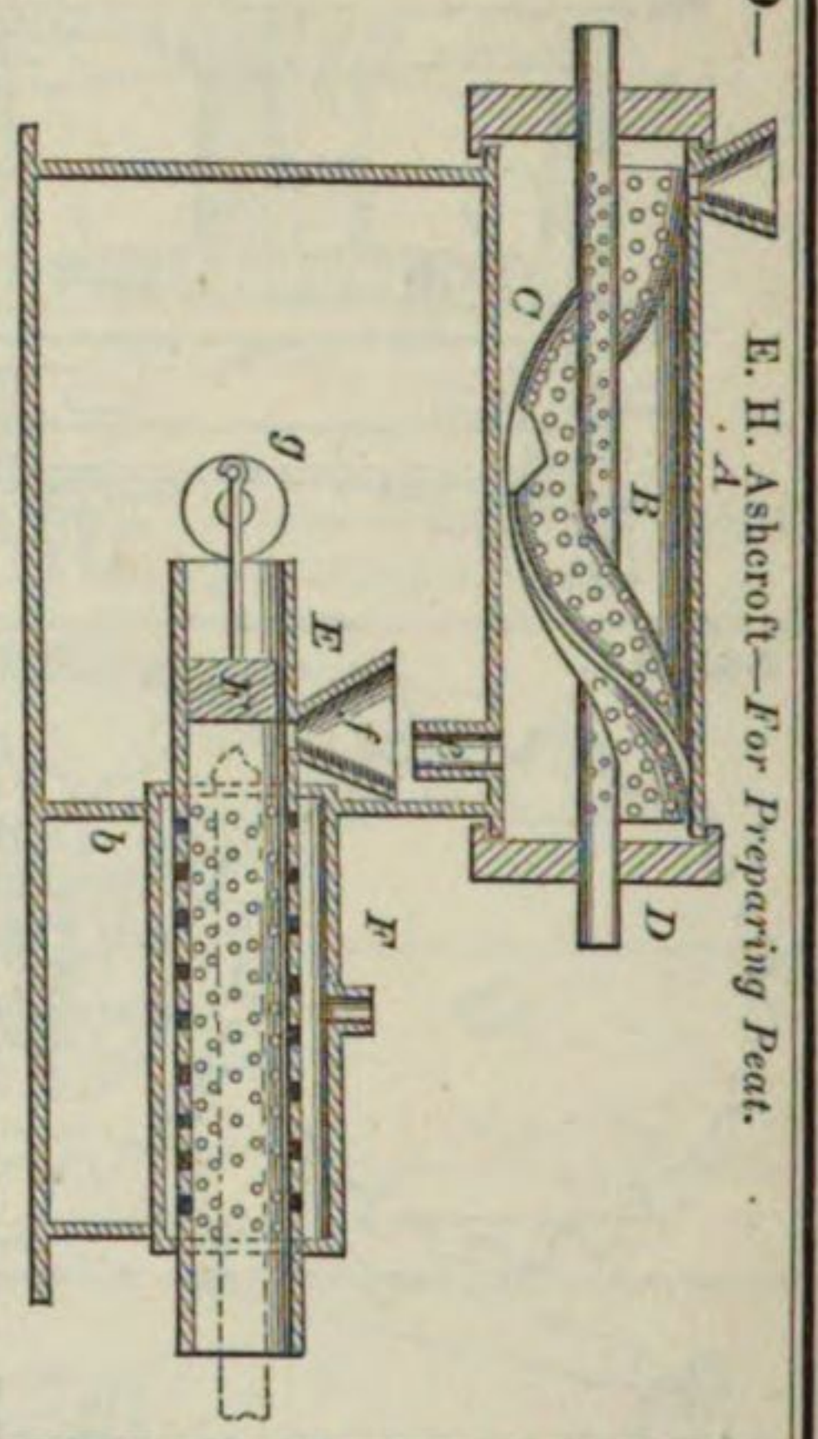


54833—Locke, Warrington, Carrett, Marshall & Telford—*Mining Coal, Minerals, &c.*

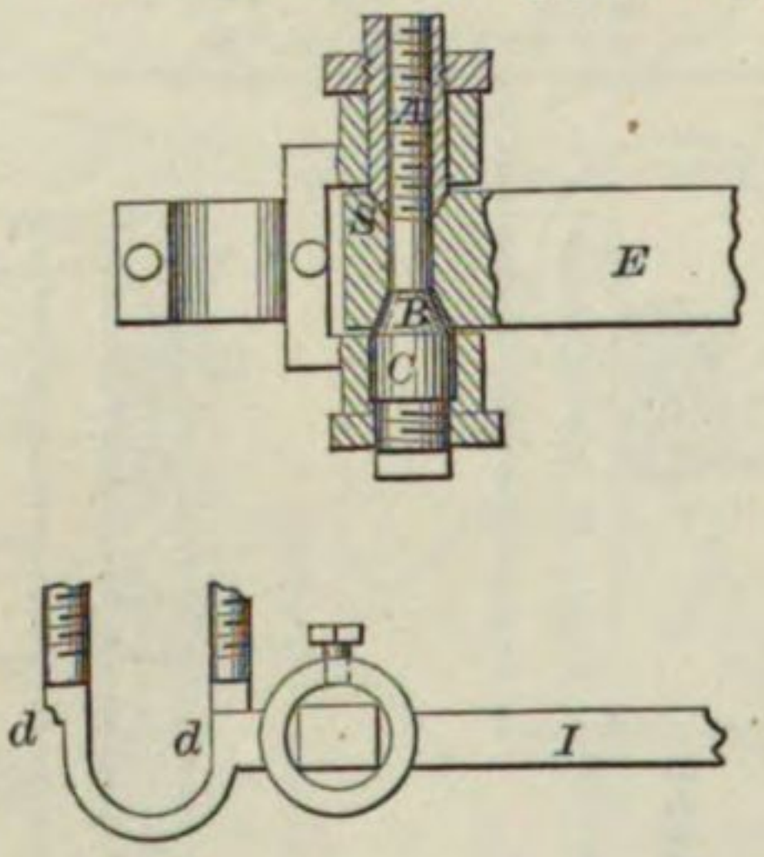


54834—G. T. Jones—*Manufacturing Bank Notes.*

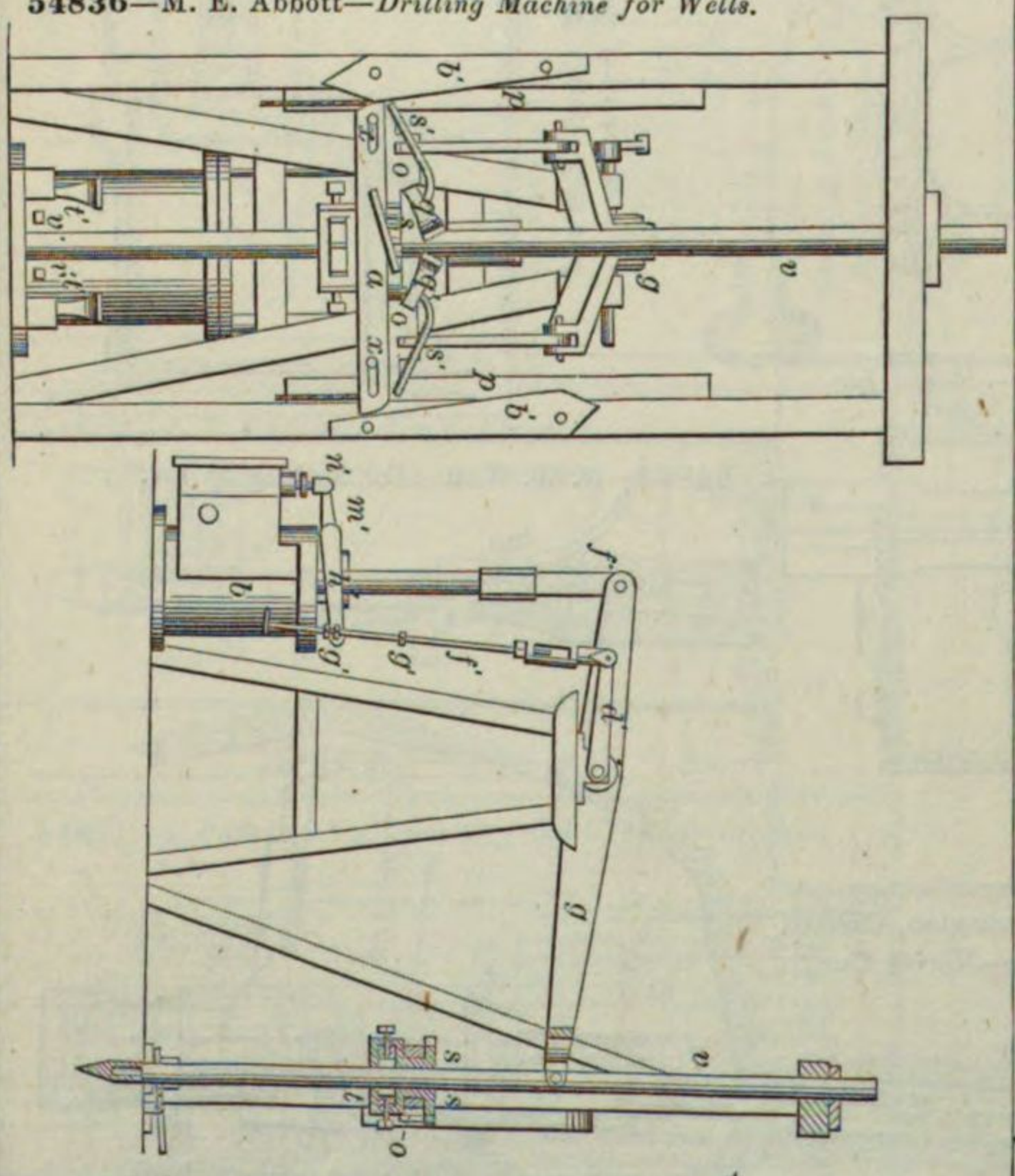
54839—E. H. Ashcroft—*For Preparing Peat.*



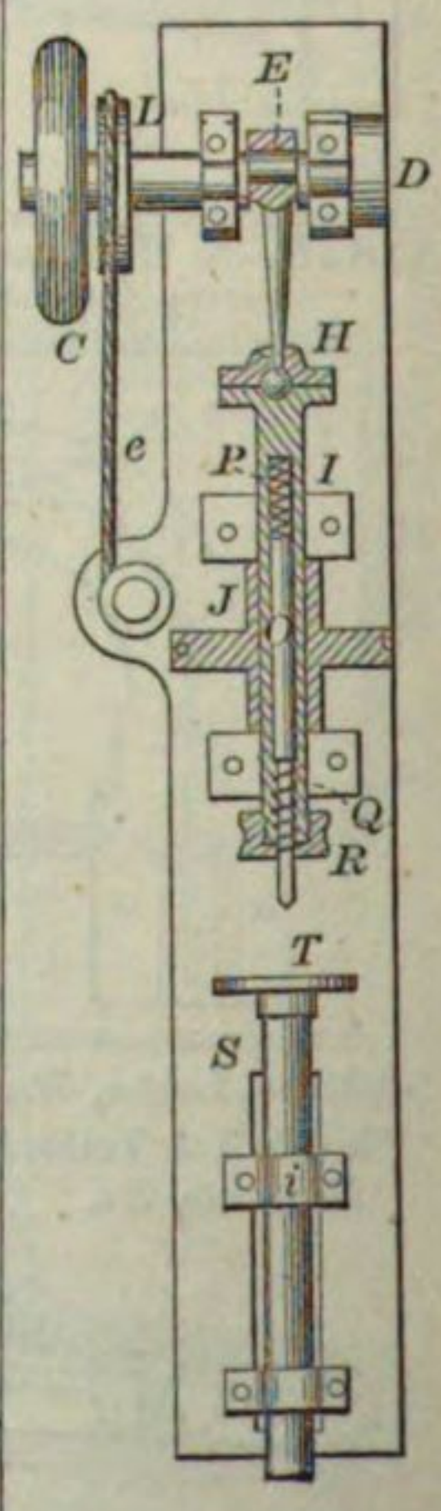
54840—C. H. Bassett—*Coupling for Carriage Thills.*



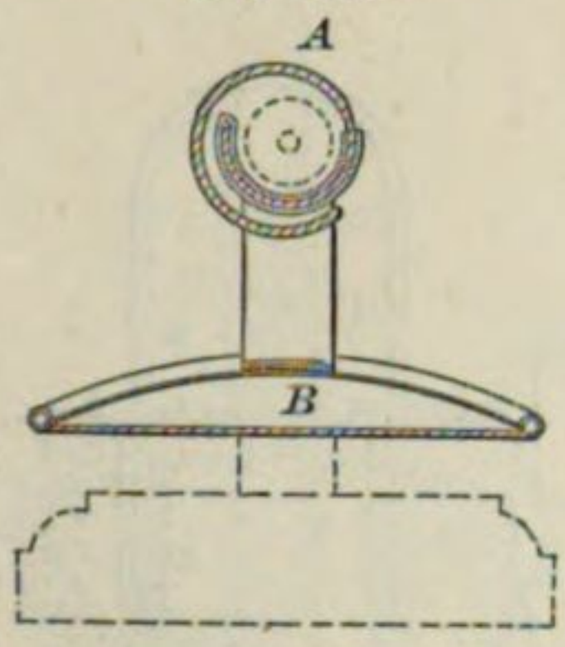
54836—M. E. Abbott—*Drilling Machine for Wells.*



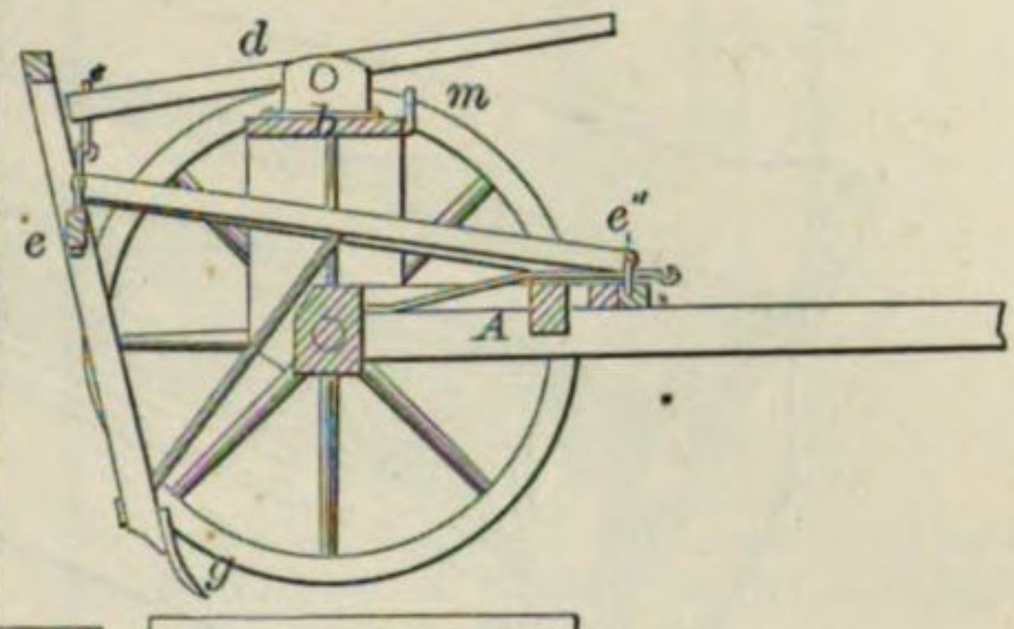
54837—J. Adt—*Riveting Machine.*



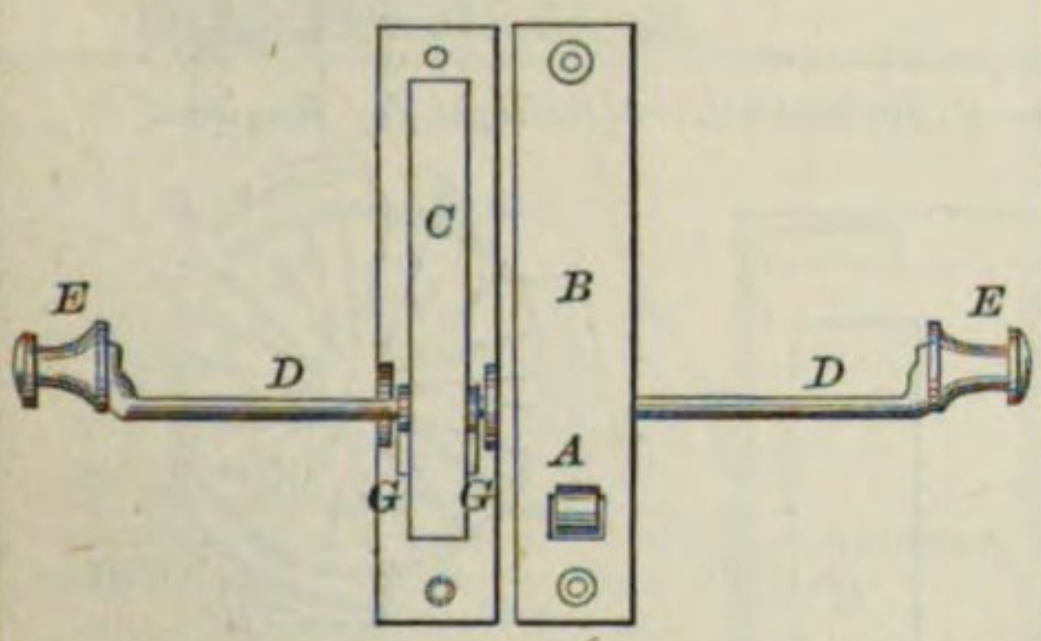
54841—J. R. Batey—*Hand Protector for Sad Irons.*

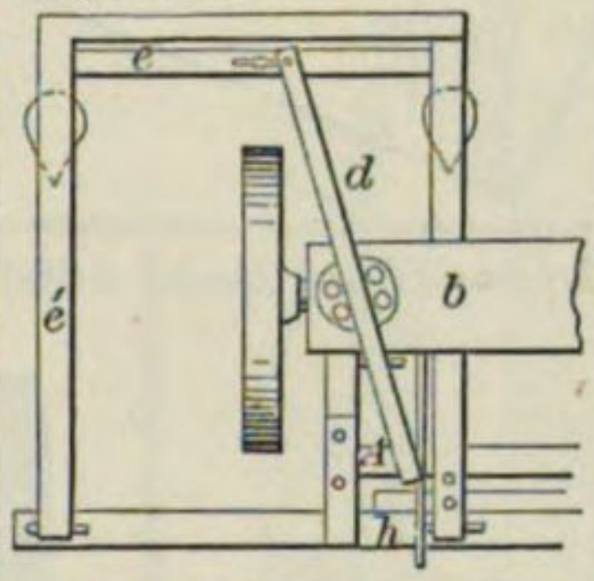


54842—F. M. Birdsall—*Furrowing Machine.*

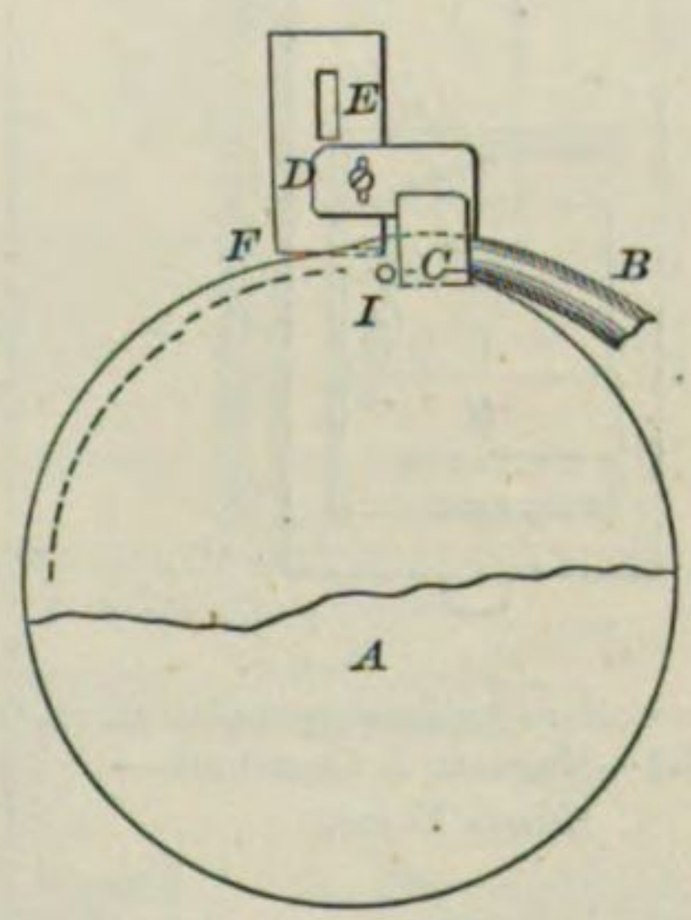


54843—E. S. Bitner—*Sash Fastening.*

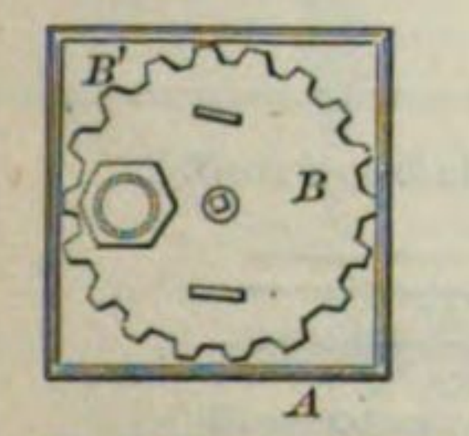


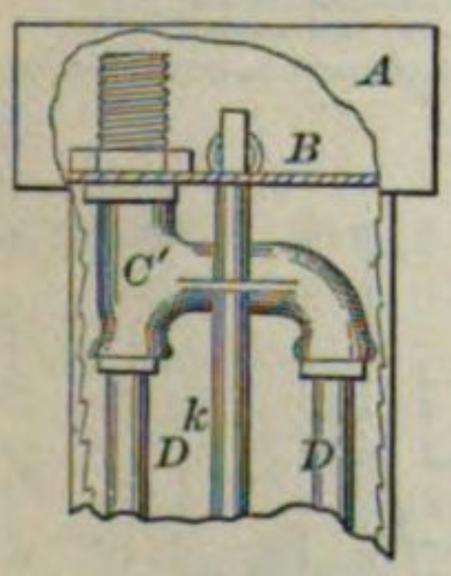


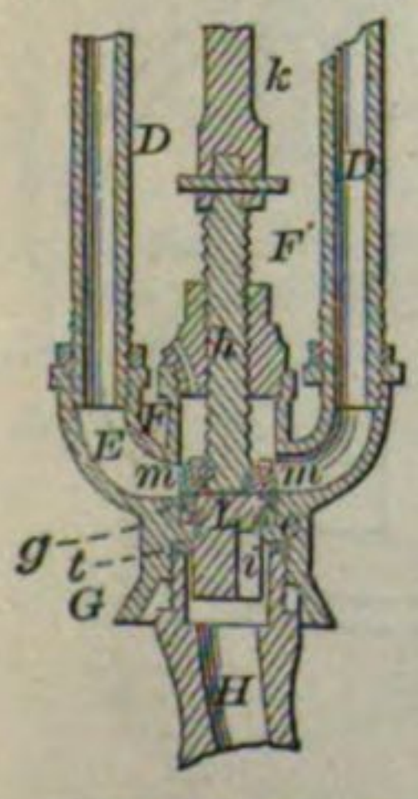
54844—H. E. Bodwell, Jr.—*Sewing Machine Guide for Stitching Hats.*



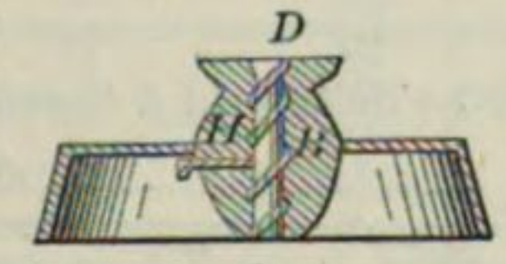
54845—B. P. Bower—*Hydrant.*

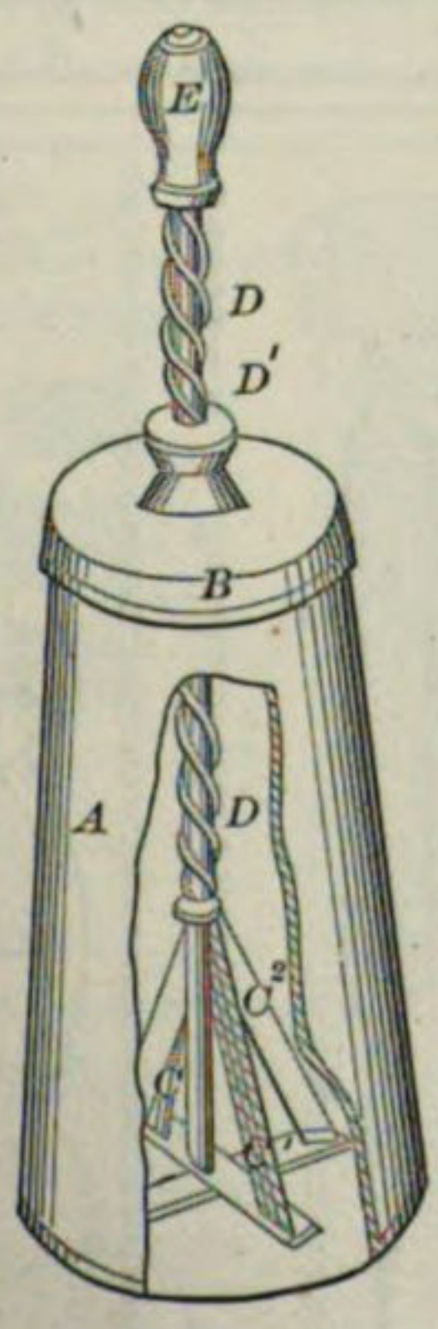




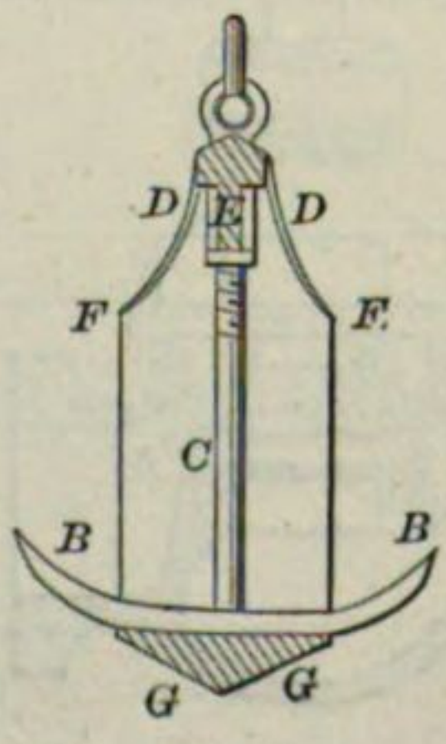


54846—J. C. Bridgman—*Churn.*

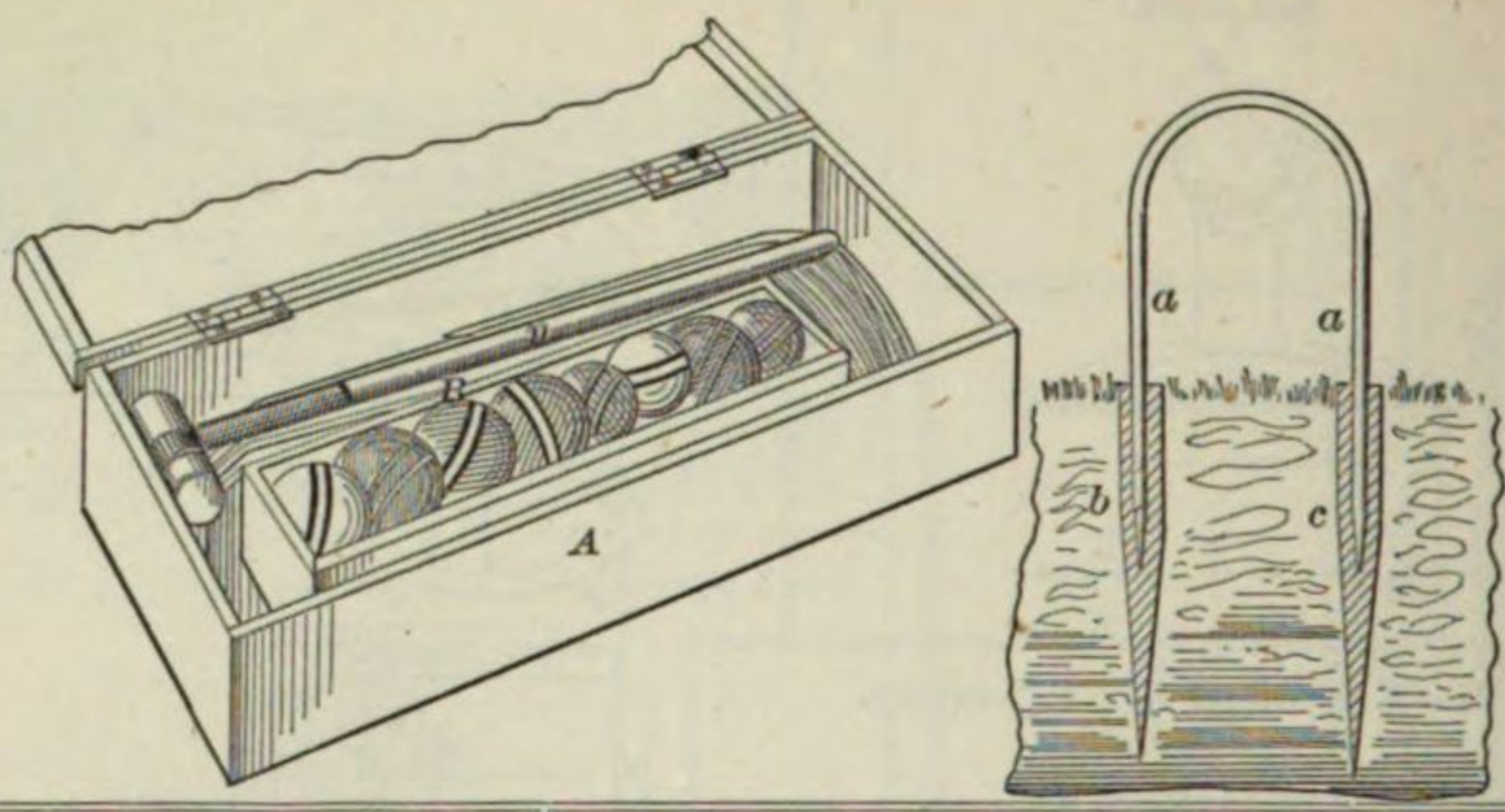




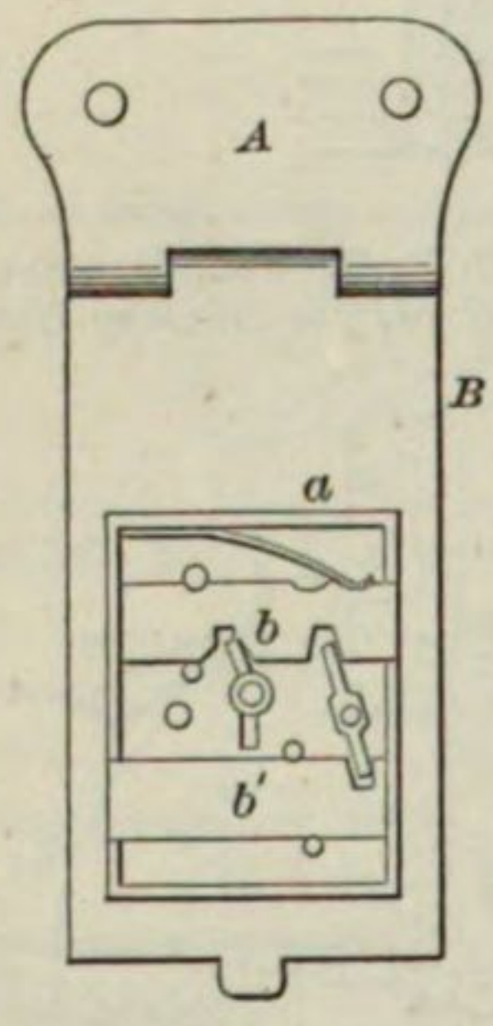
54847—C. F. Brown—*Anchor.*



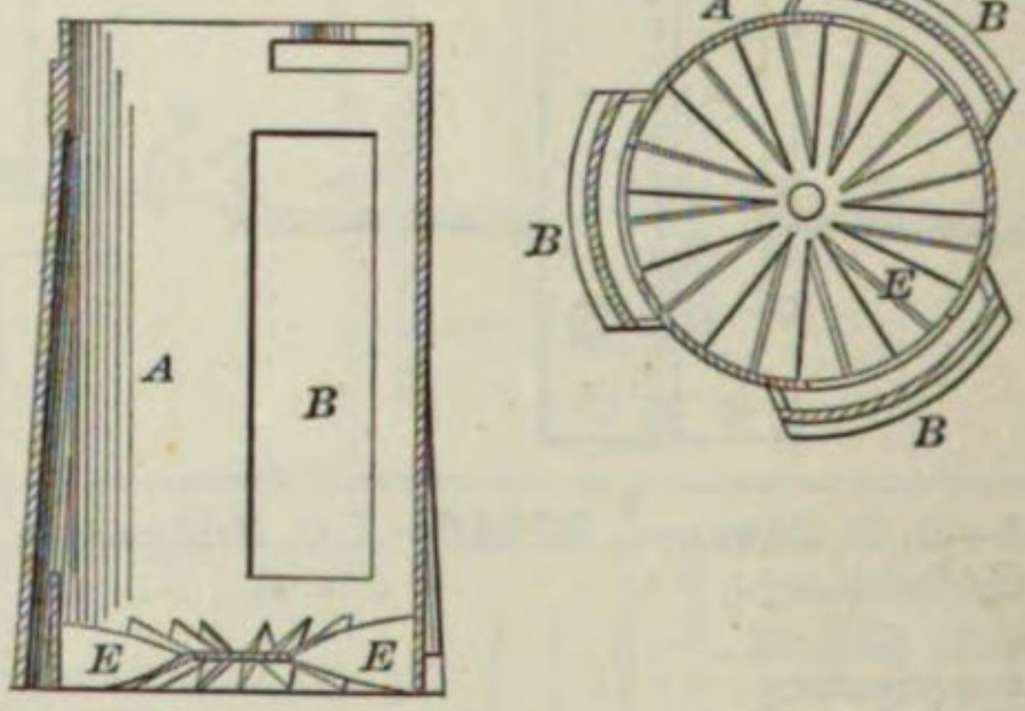
54848—L. & M. Bradley—*Croqueterie.*



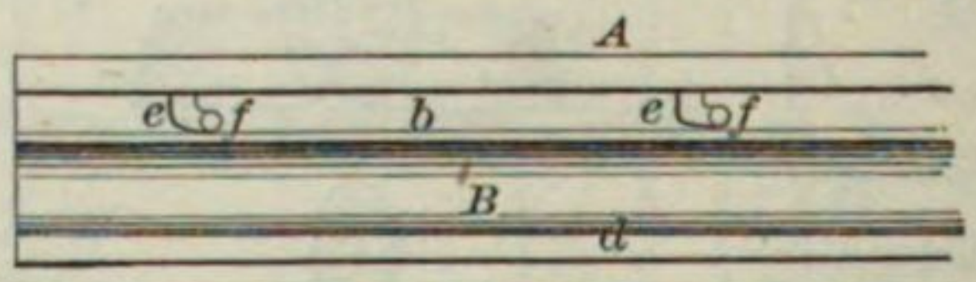
54849—T. S. Brown—*Trunk Lock.*



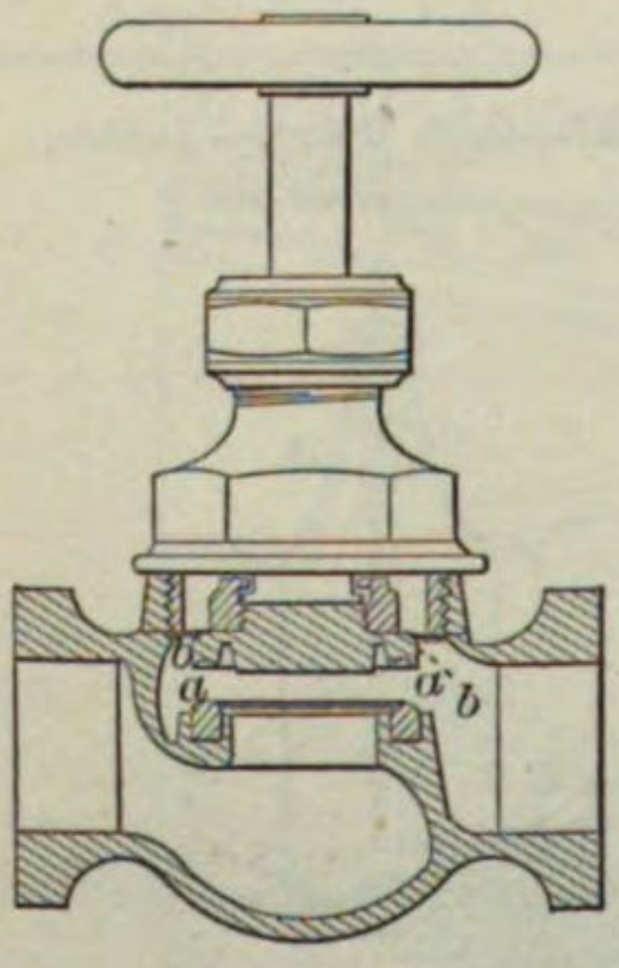
54850—P. Budenbach—*Headlight for Engines.*



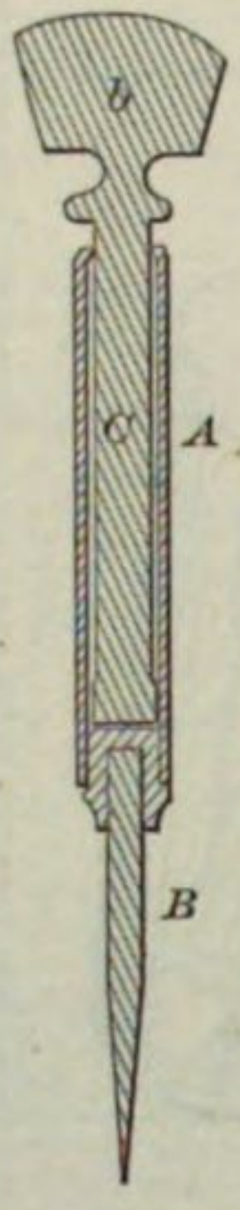
54853—Butterfield & Green—*Railroad Rail.*



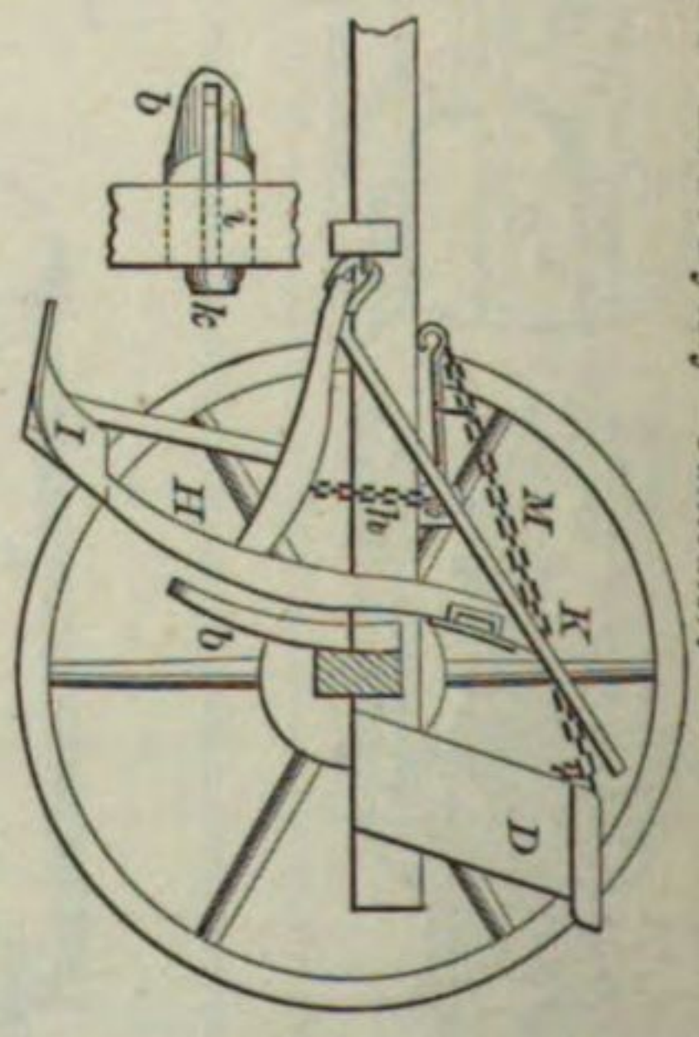
54851—Burnett & Comstock—*Steam Valve.*



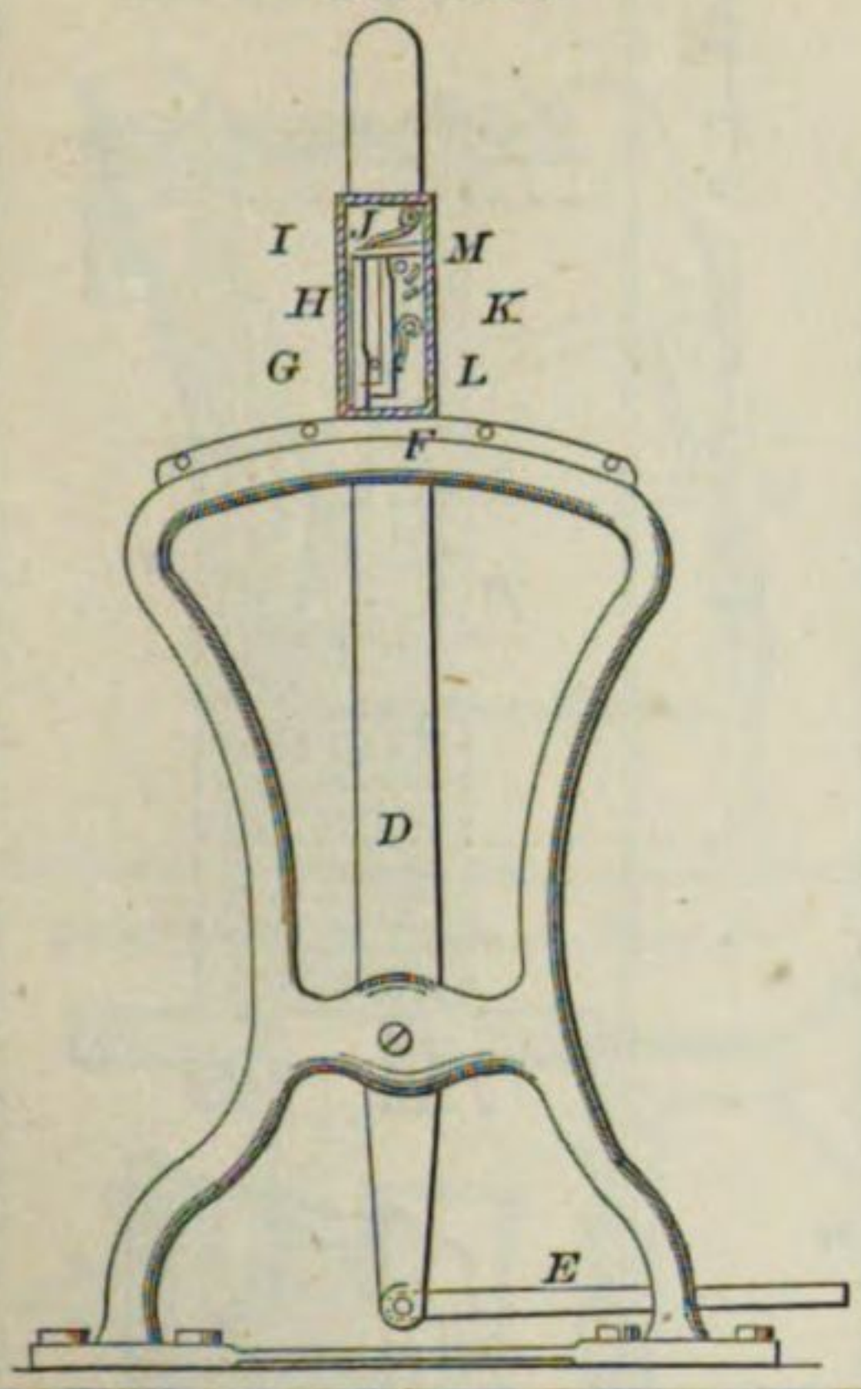
54852—E. G. Burnham—*Ice Pick.*



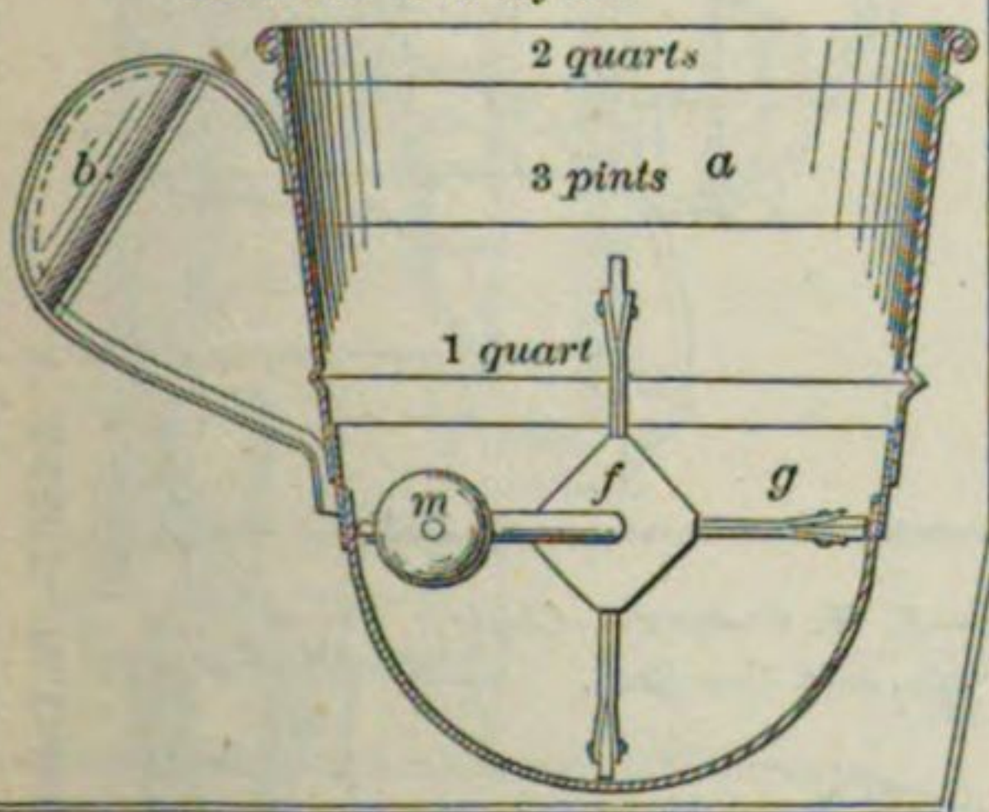
54854—H. F. Byerly—*Cultivator.*



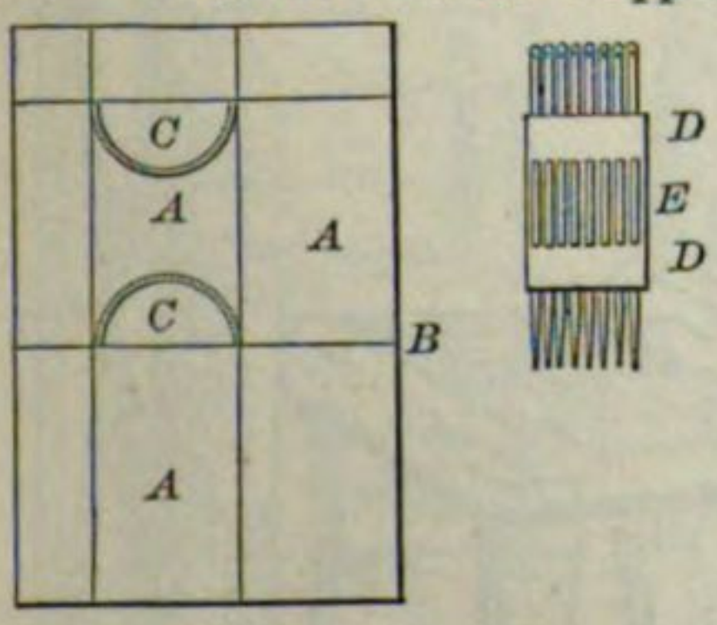
54855—C. E. Byers—*Switch Stand for Railroads.*



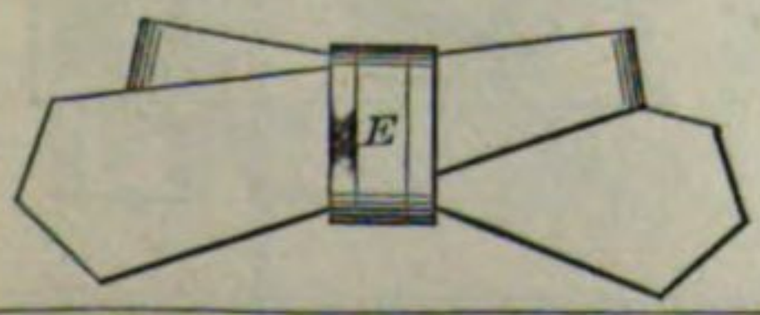
54857—G. C. Carver—*Flour Dipper, Measurer and Sifter.*



54856—W. Byfield—*Needle Wrapper.*

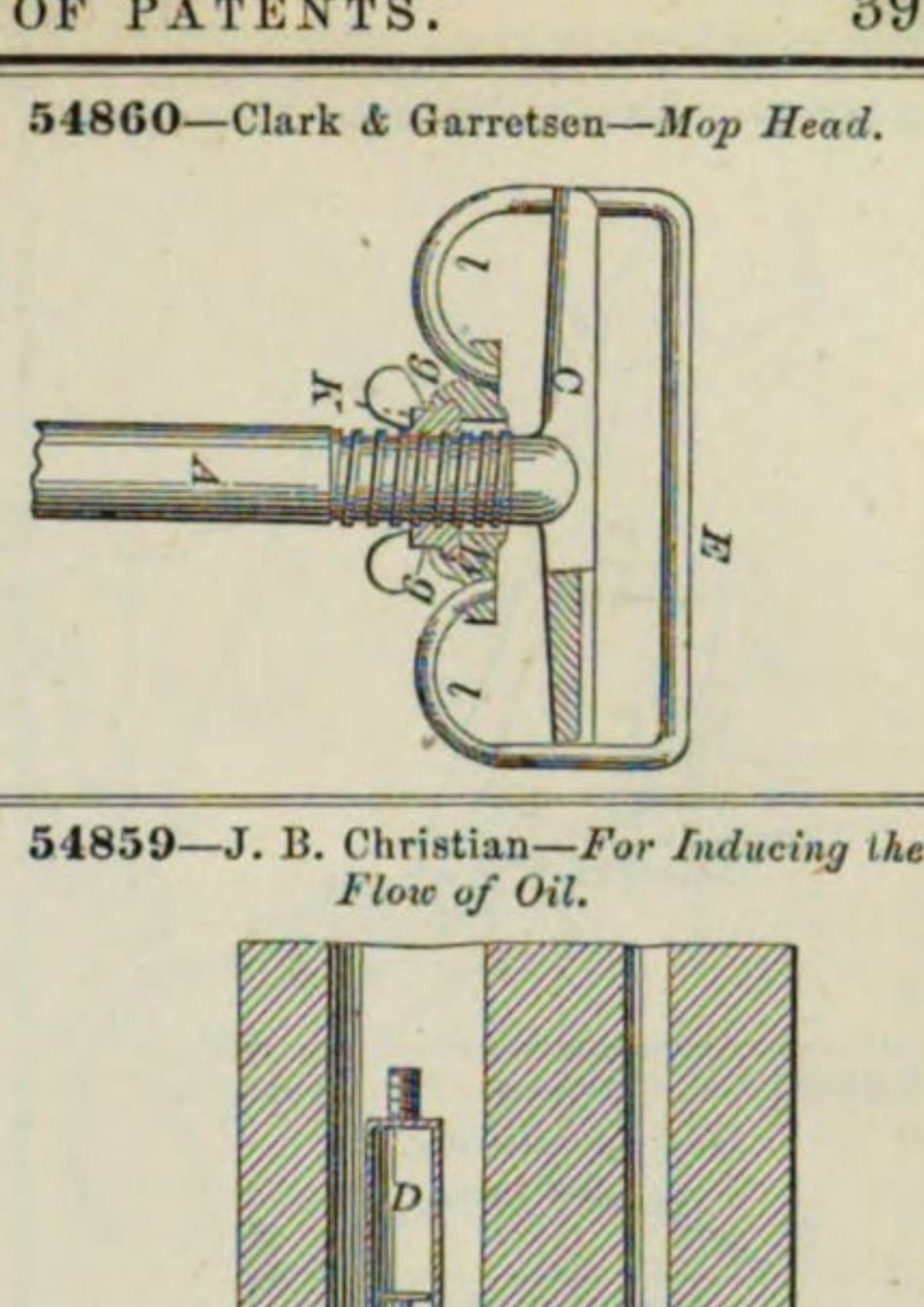


54858—E. Child. Jr.—*Paper Necktie.*

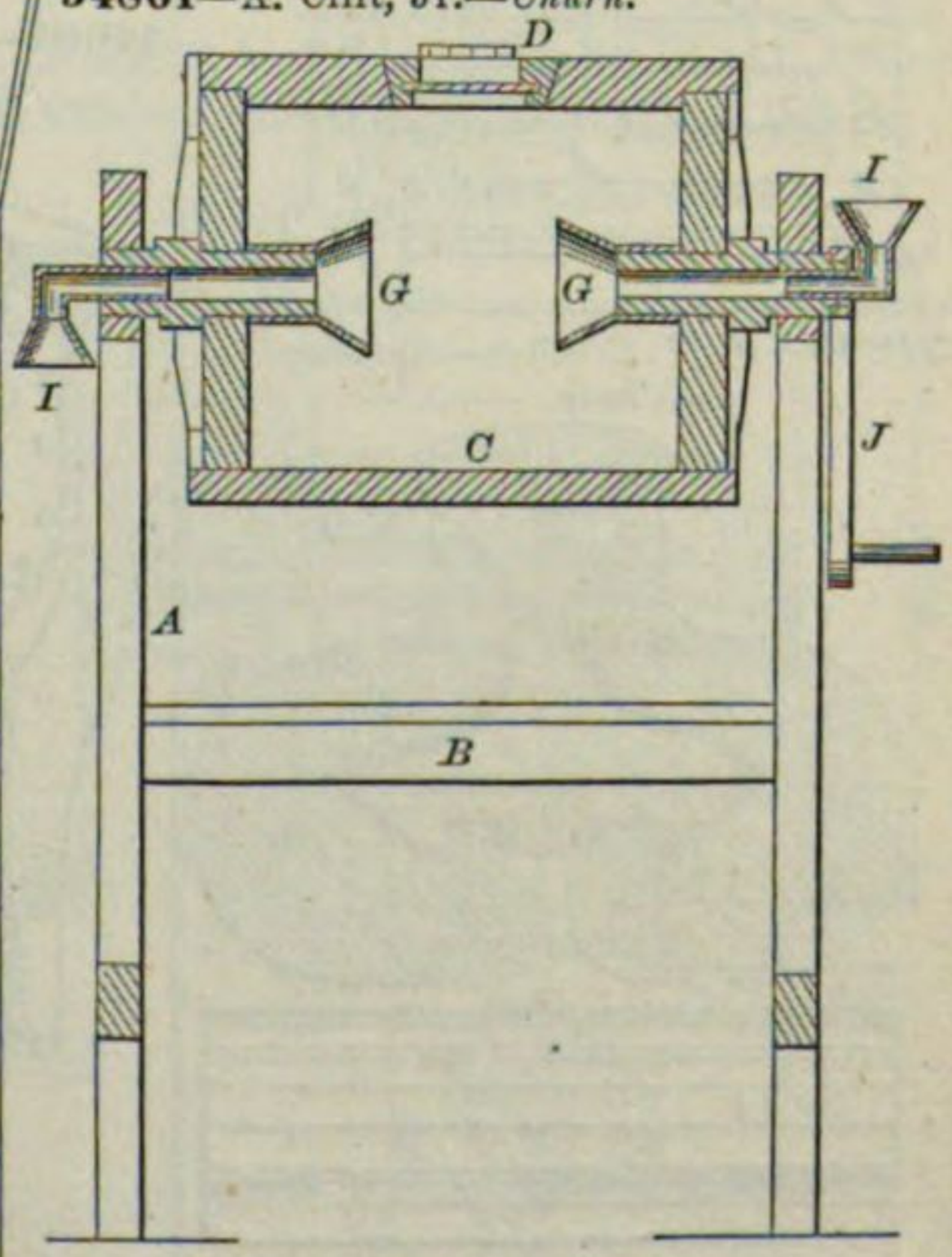


54860—Clark & Garretsen—*Mop Head.*

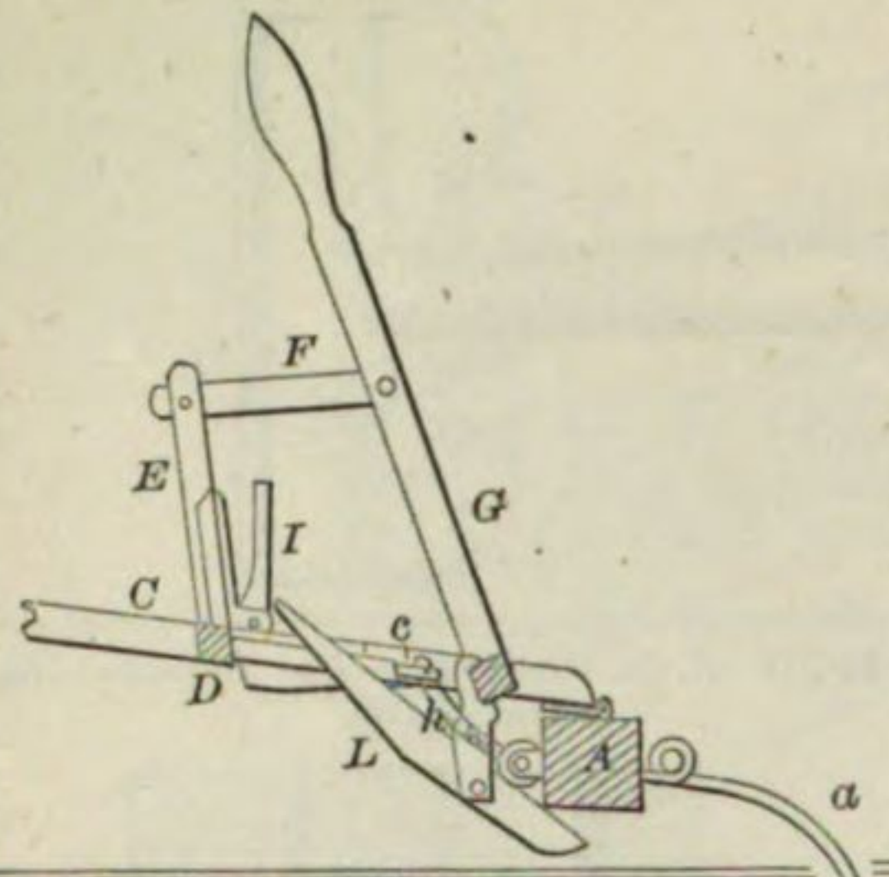
54859—J. B. Christian—*For Inducing the Flow of Oil.*



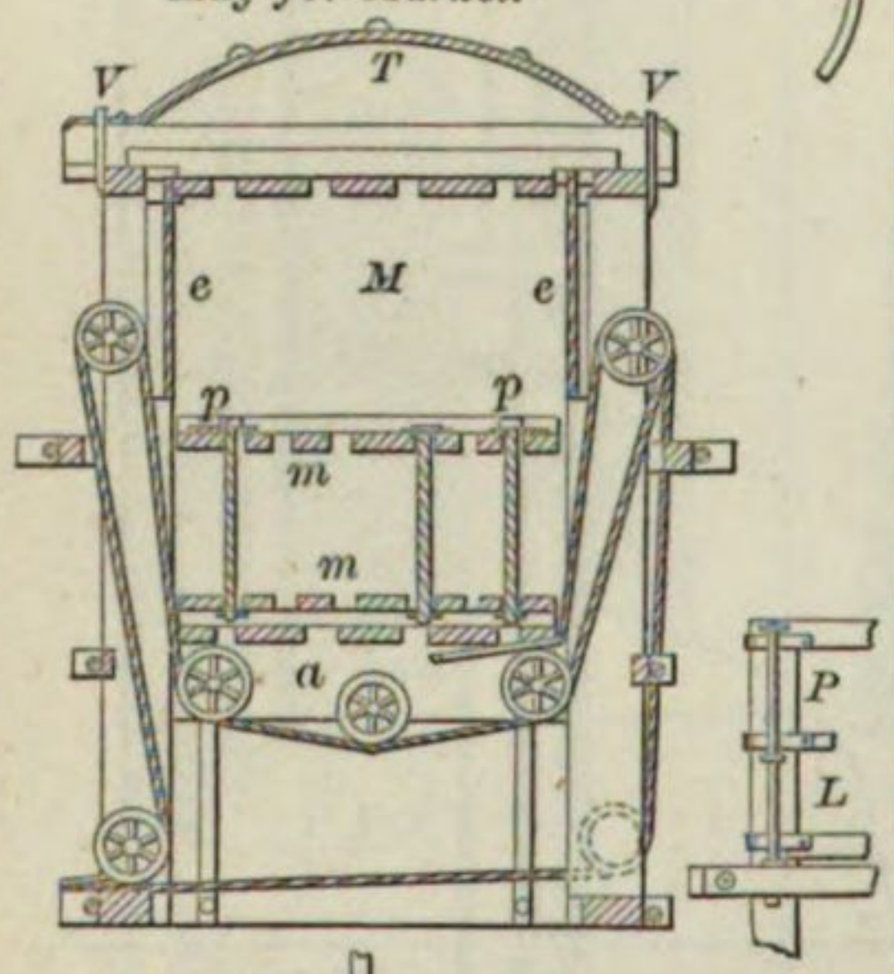
54861—A. Clift, Jr.—*Churn.*

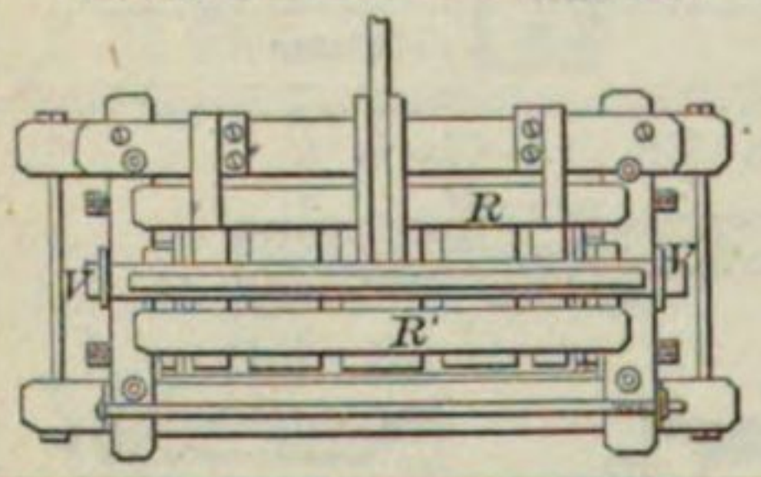


54862—Clinton & Munson—*Horse Rake.*

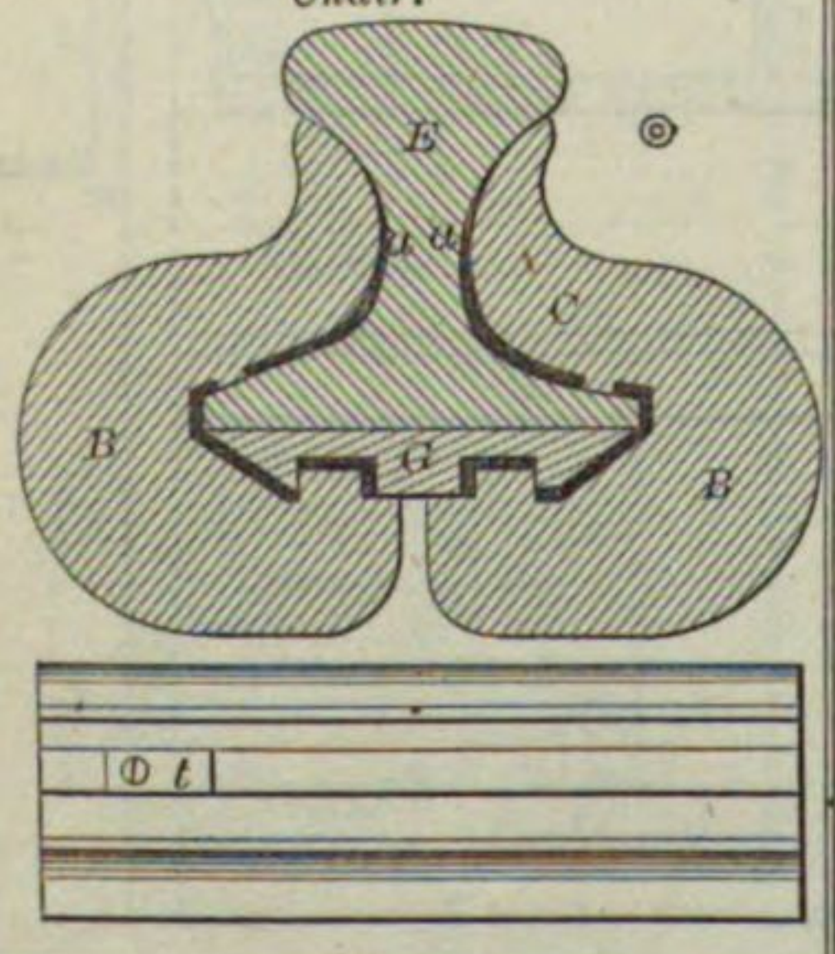


54864—S. Colahan—*For Preparing Hay for Market.*

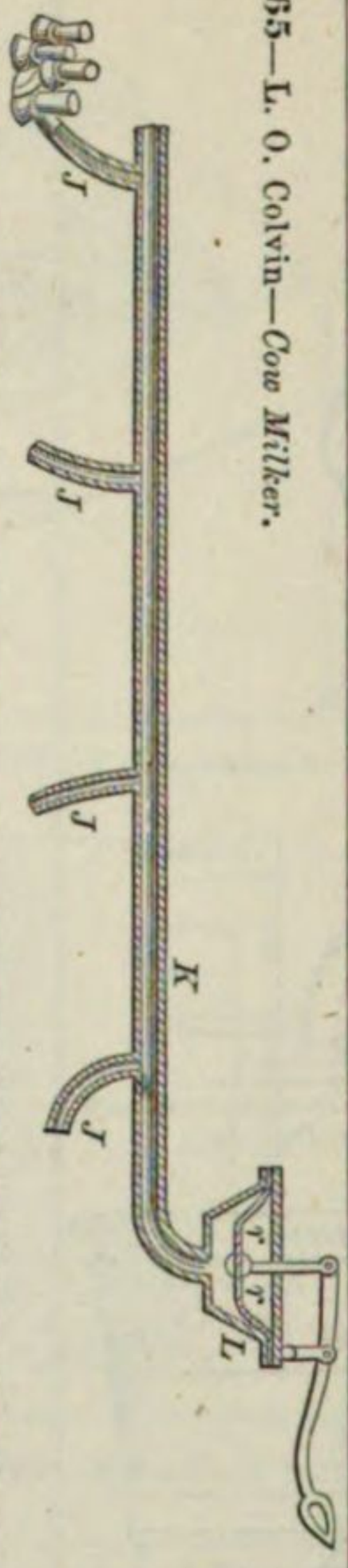




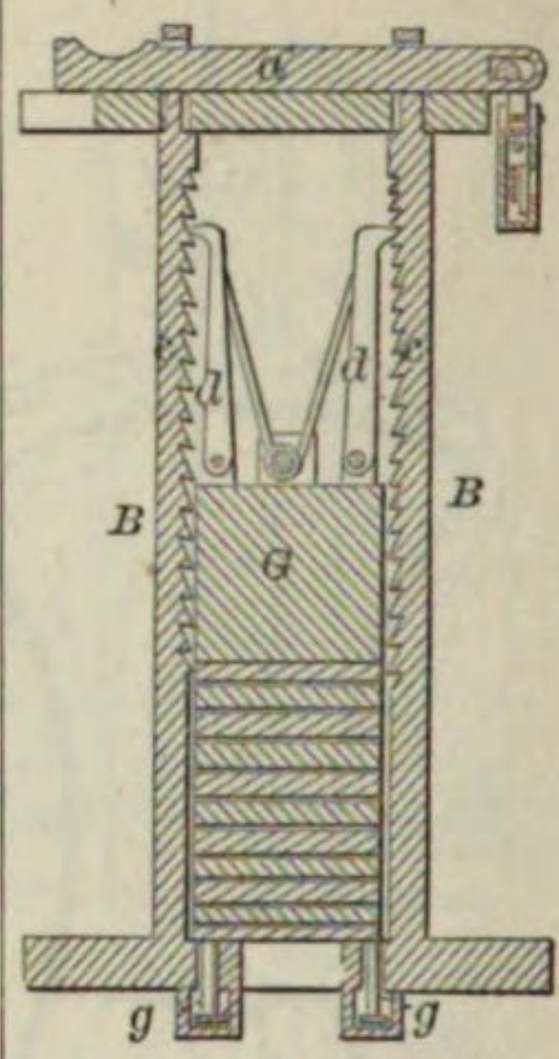
54868—D. W. Crocker—*Railway Chair.*

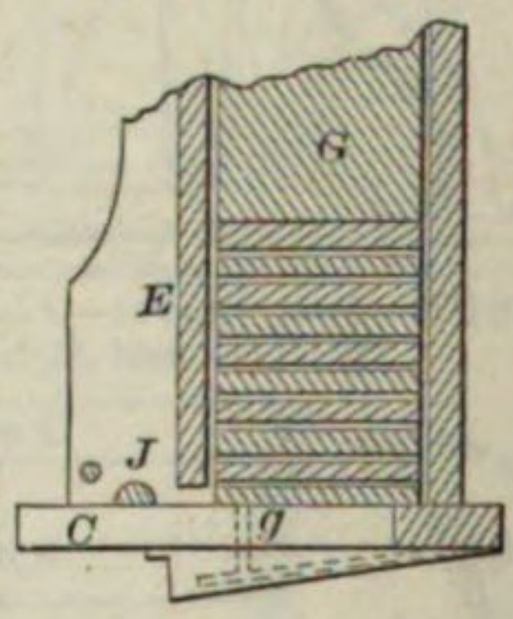


54865—L. O. Colvin—*Cow Milker.*

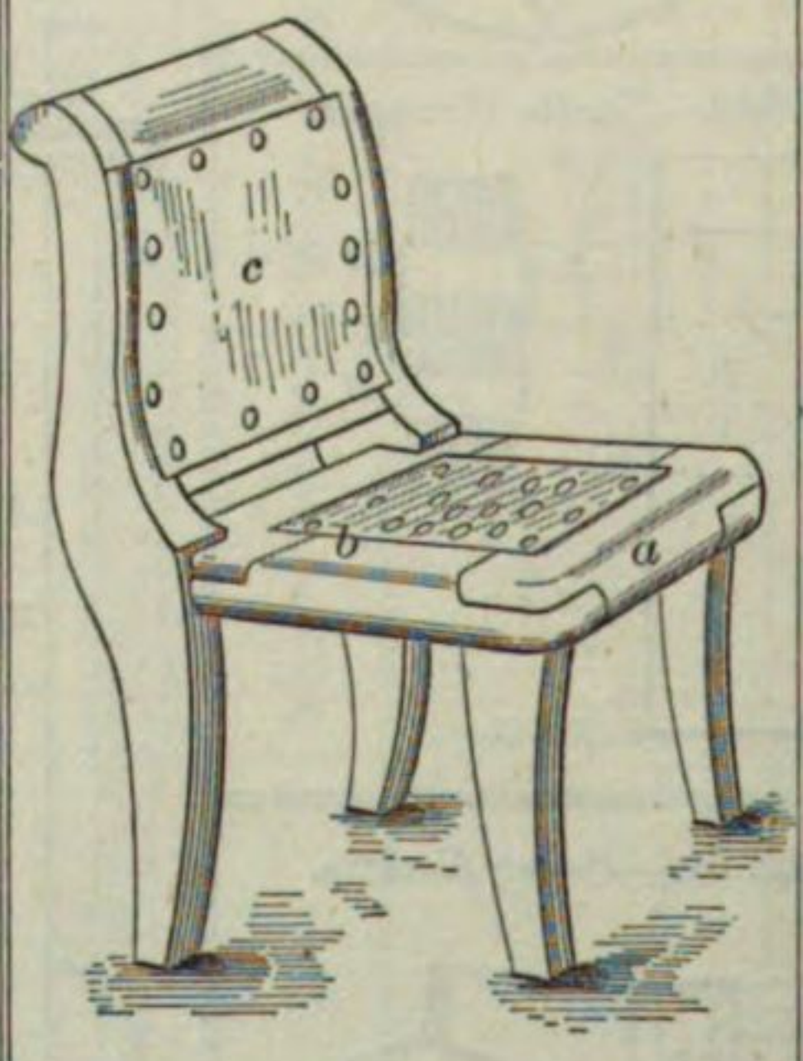


54866—J. P. Conkling—*Detecting Check Box.*

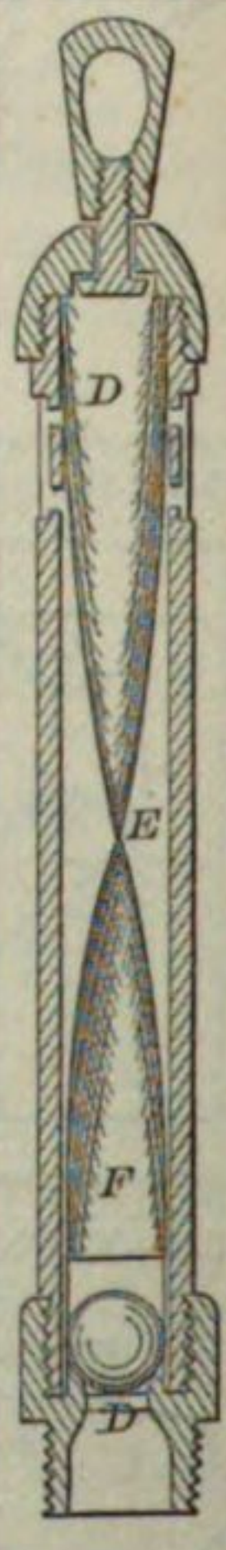




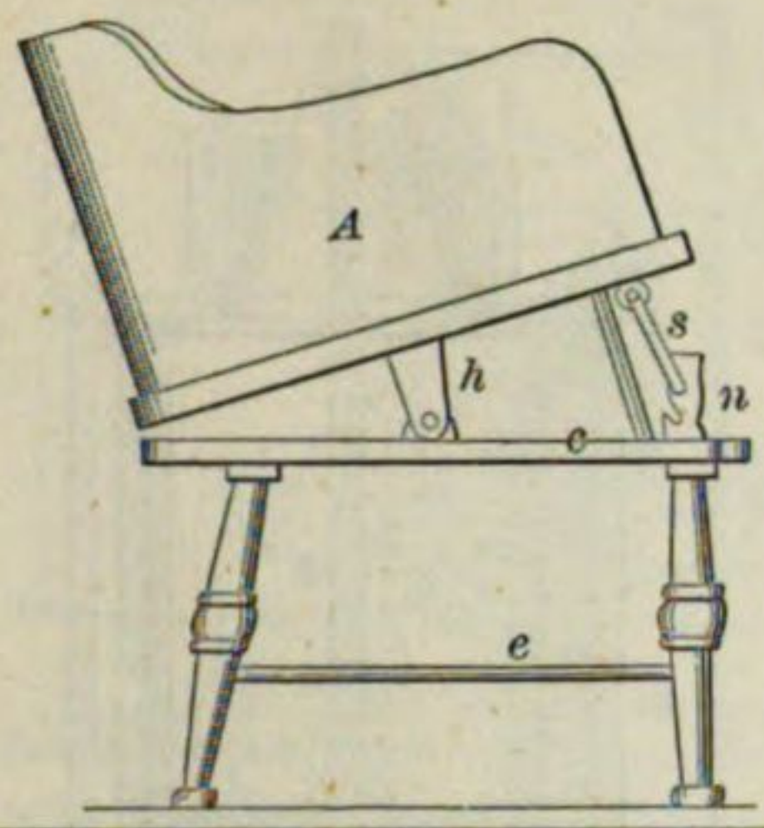
54863—J. W. Cochran—*Chair, Sofa, and Car Seat.*



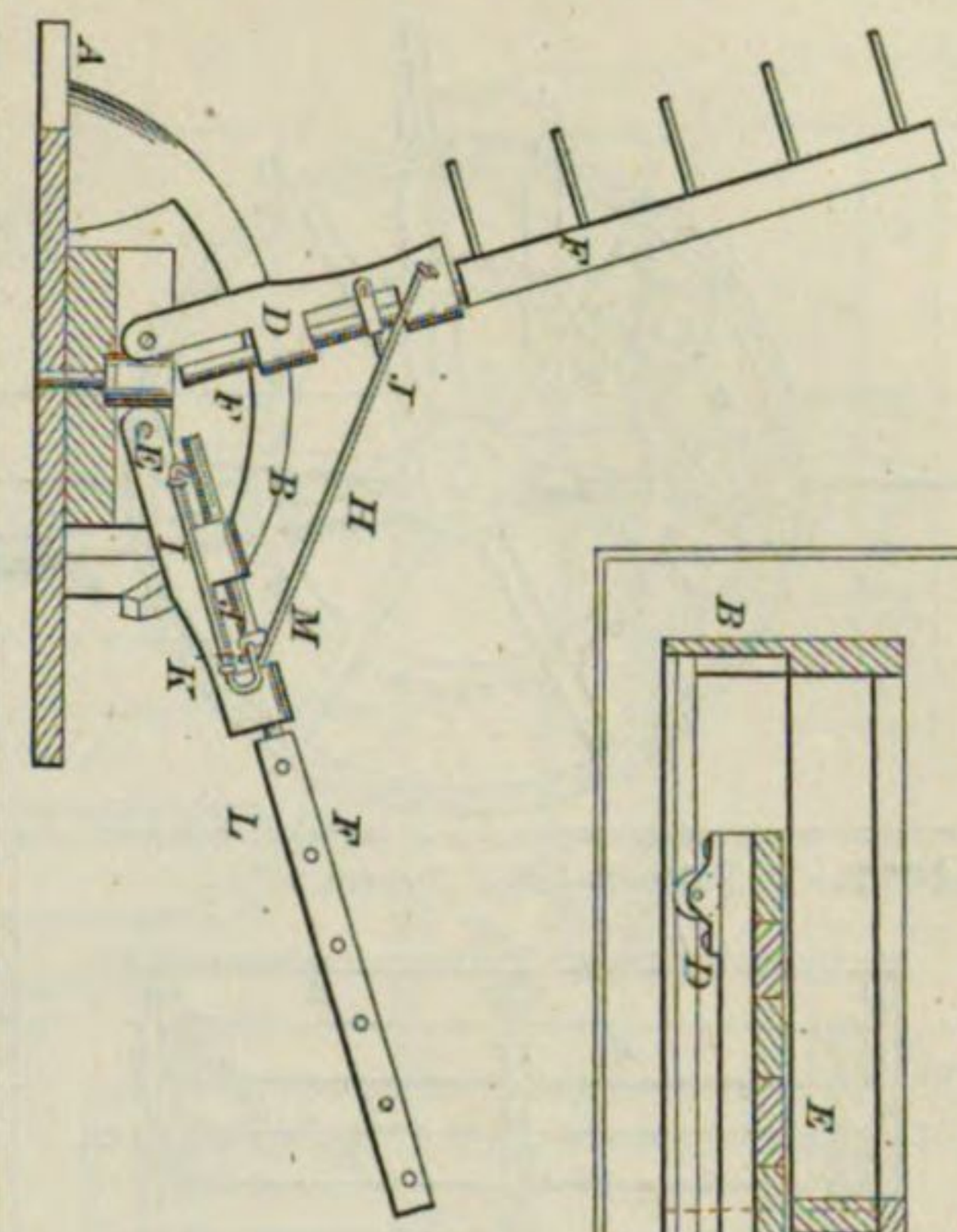
54867—R. Cornelius—*Sand Pump.*



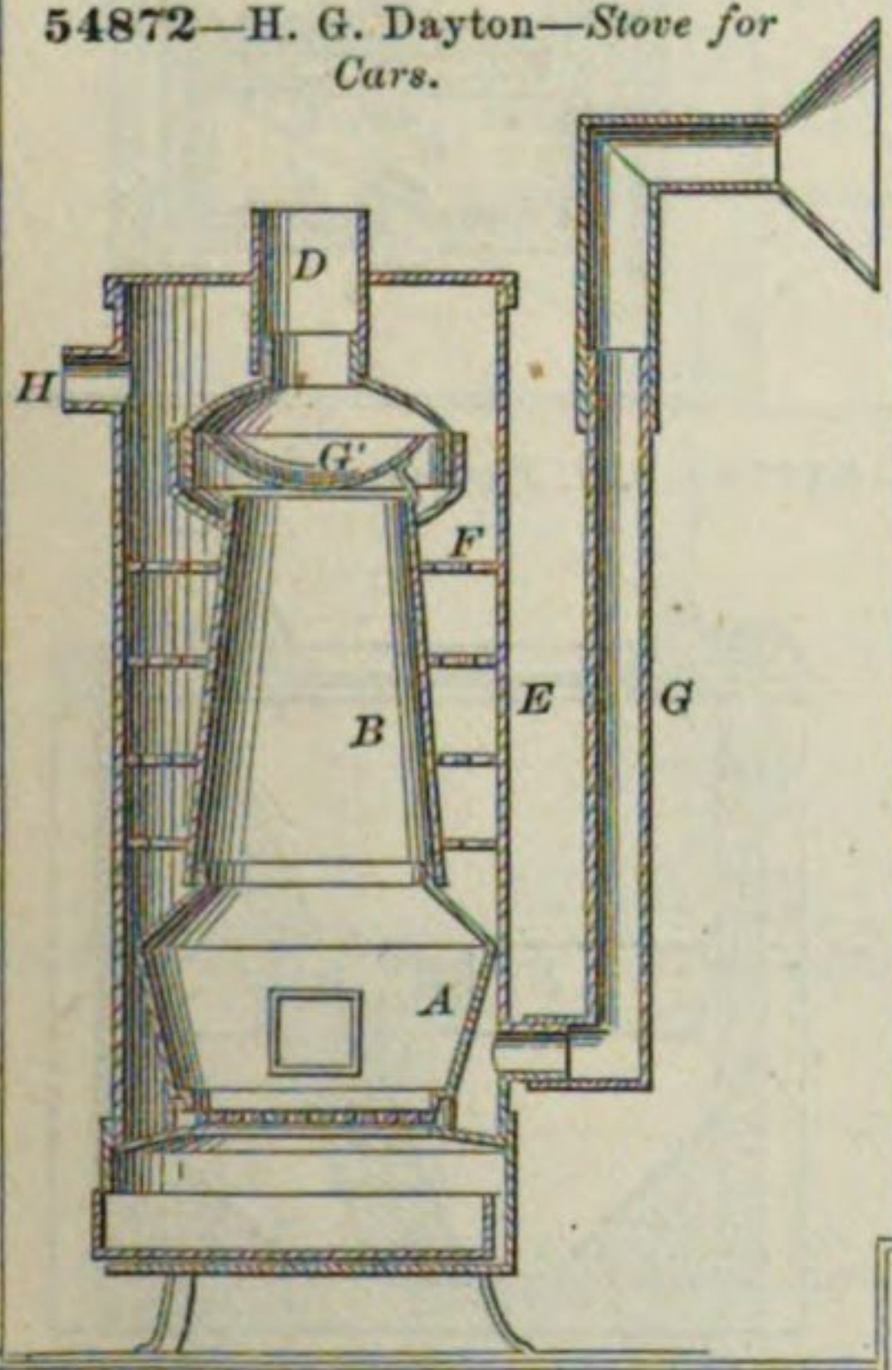
54869—M. C. Cronk—*Chair.*



54871—C. F. Davis—*Harvester Rake.*

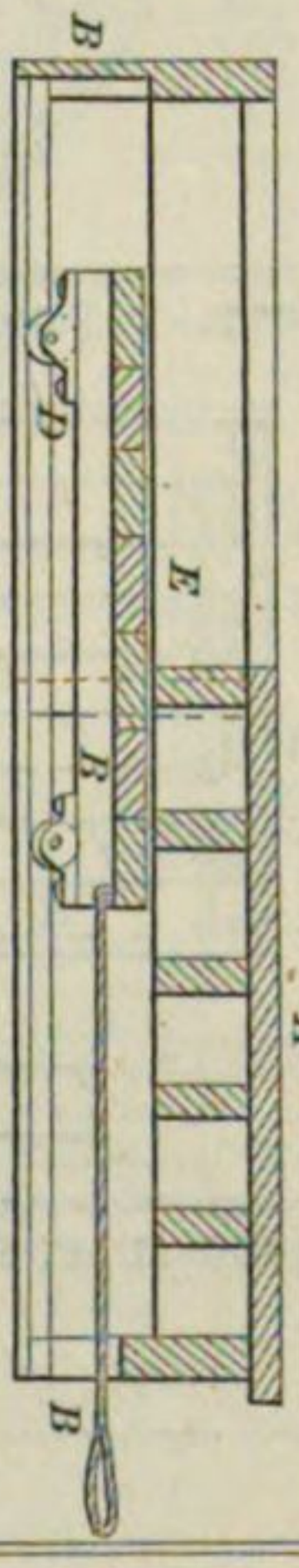


54872—H. G. Dayton—*Stove for Cars.*

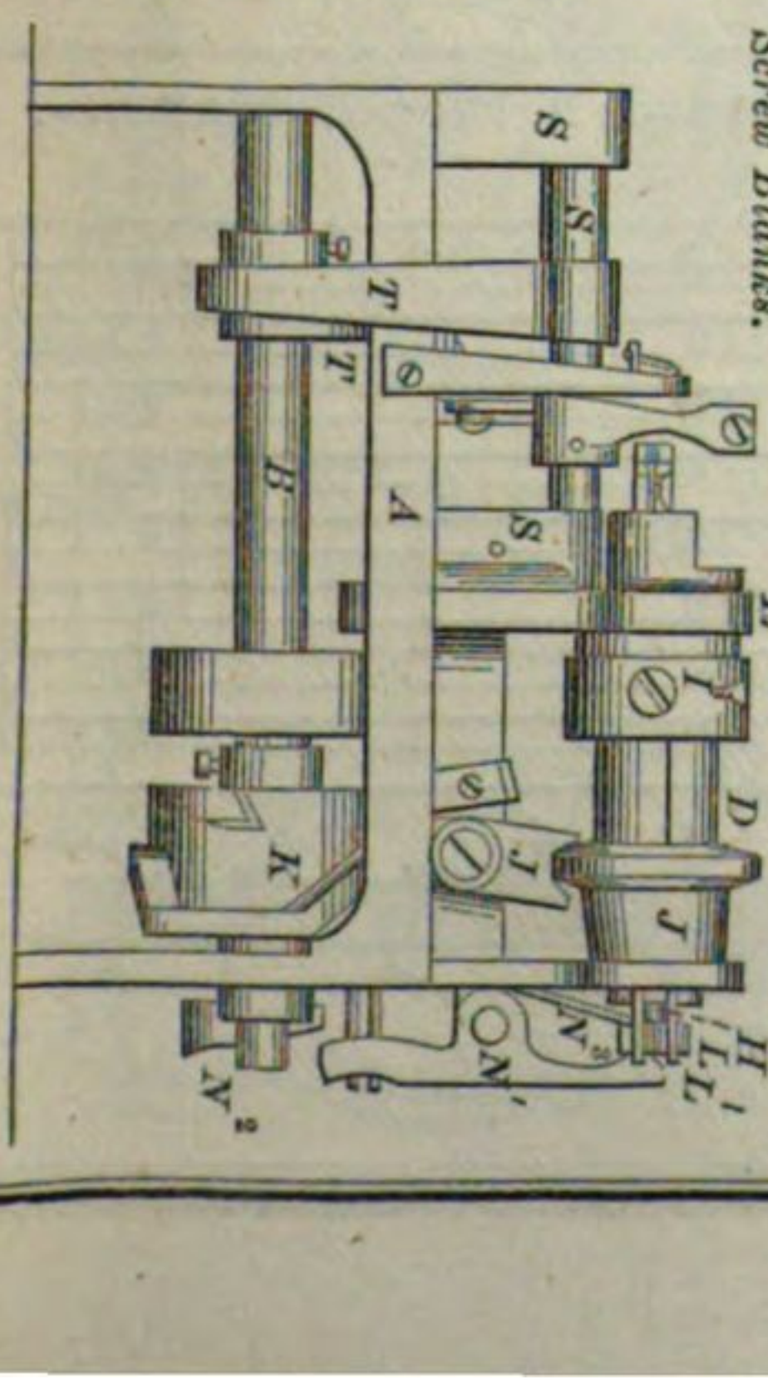


54870—J W. Crossley—*Making Pile Fabrics.*

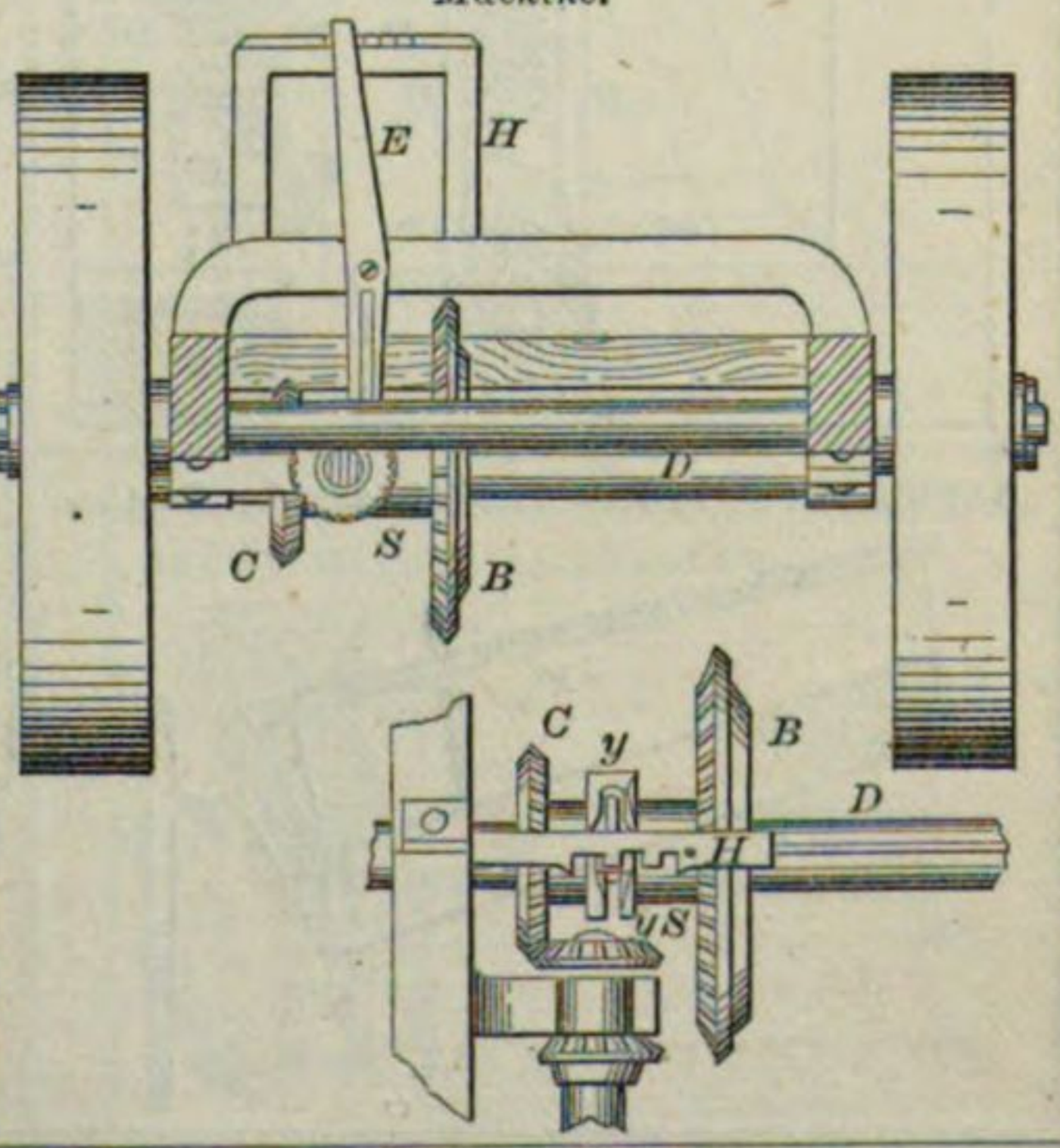
54874—M. S. Driggs—*Hatchway Door.*



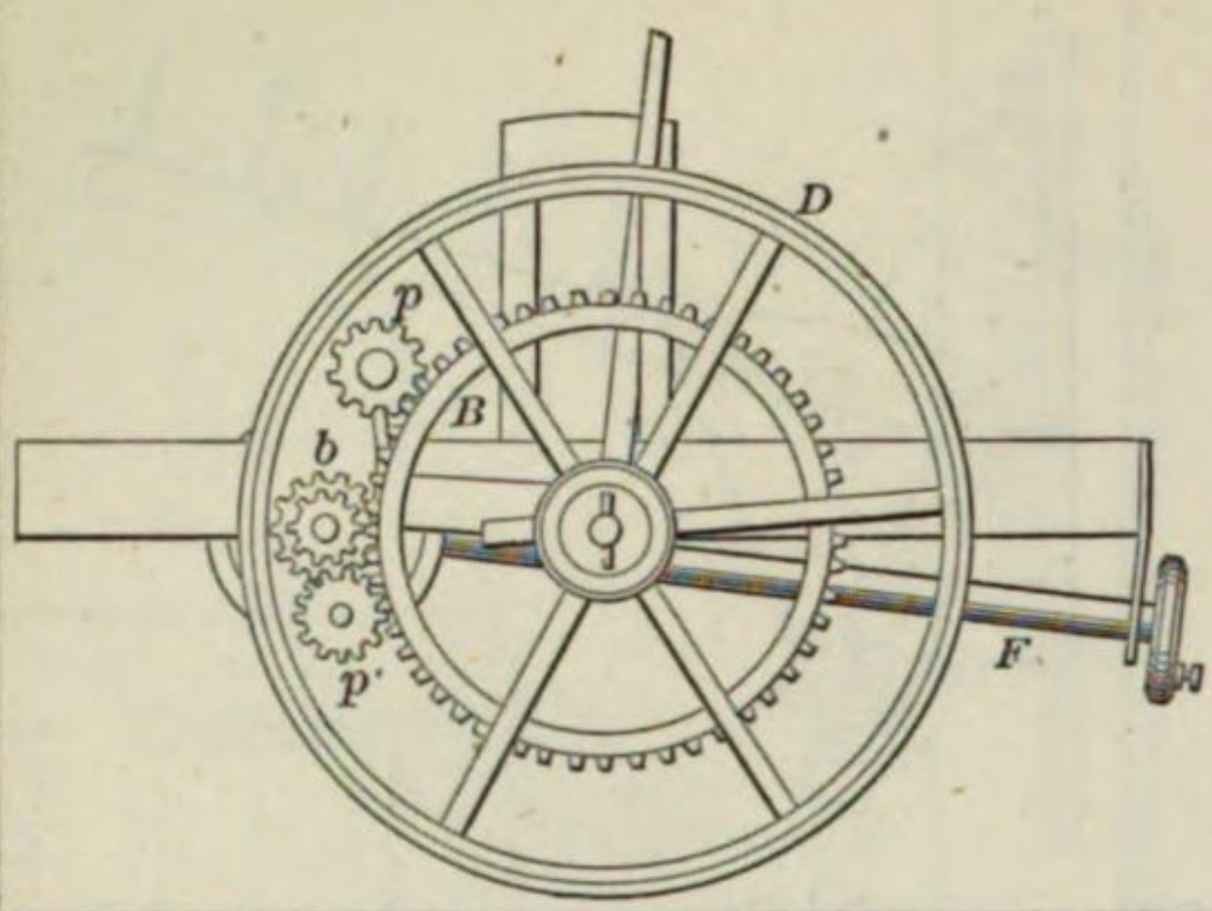
54873—J. Dennis, Jr.—*For Turning and Pointing Screw Blanks.*



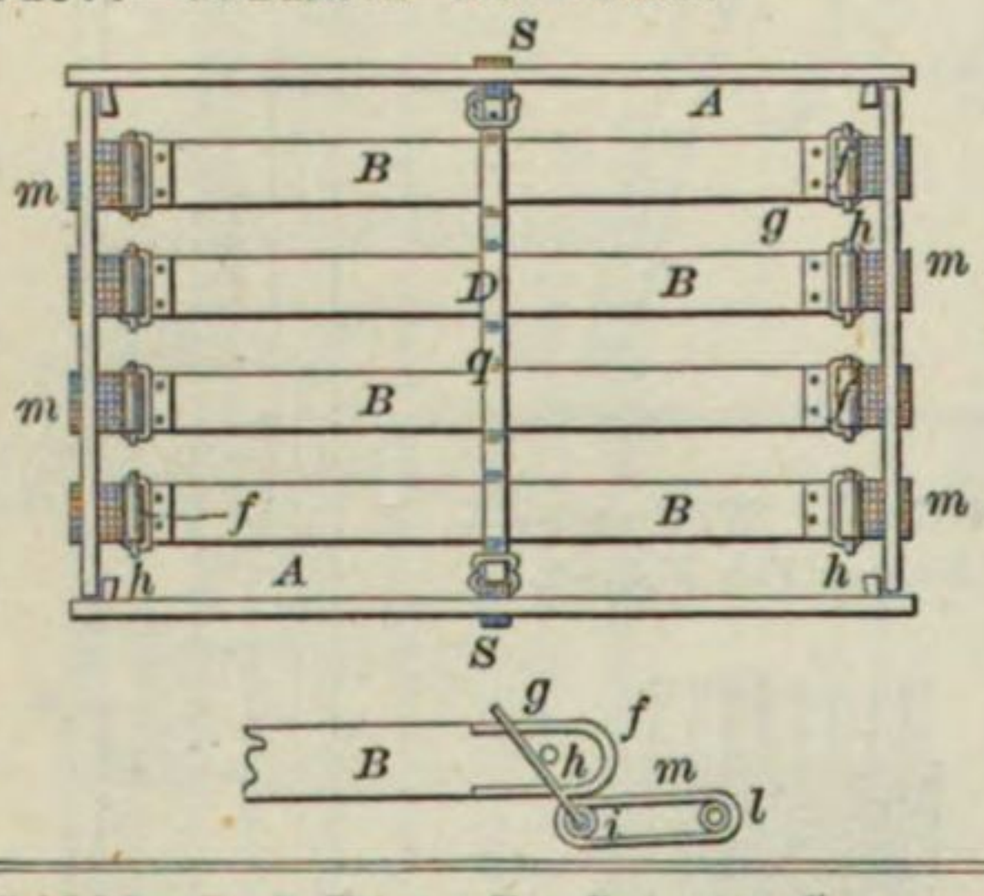
54875—M. Easterbrook—*Reaping and Mowing Machine.*



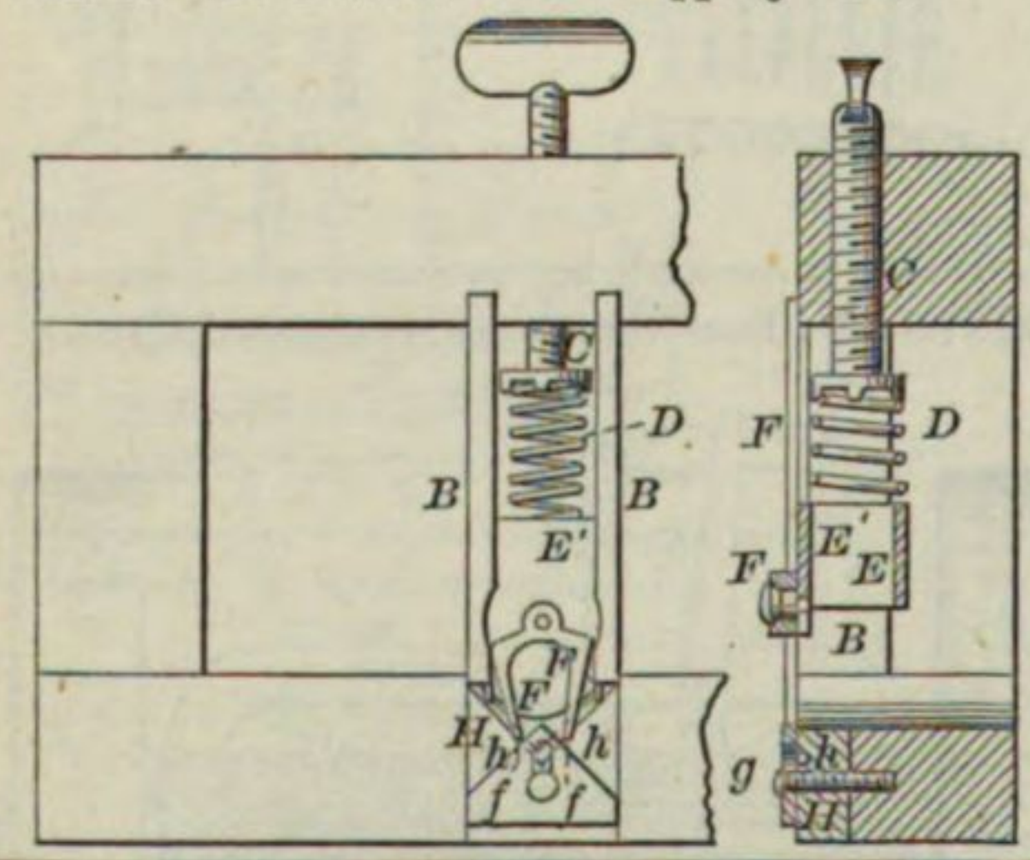
54876—M. Easterbrook, Jr.—*Harvester.*



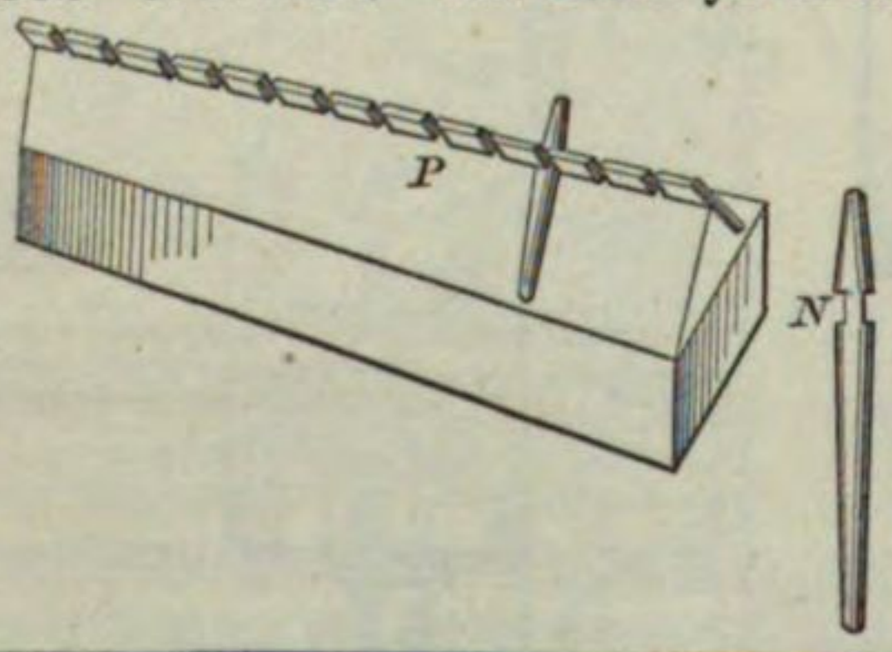
54877—T. Falloon—*Bed Bottom.*



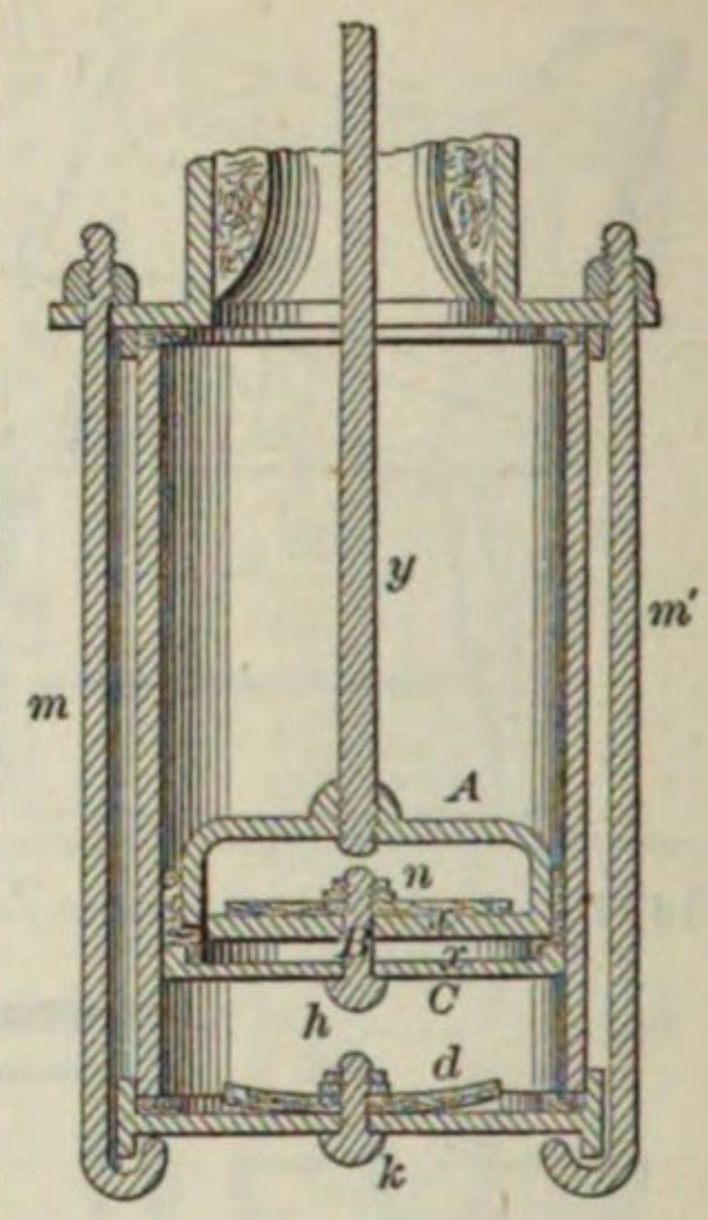
54880—D. C. Flint—*For Stripping Cane.*



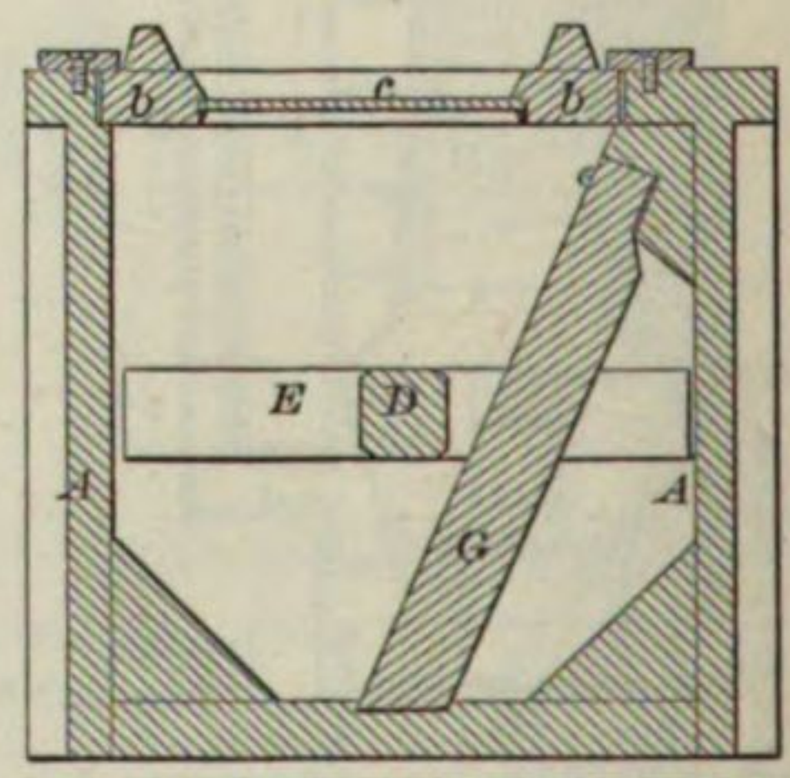
54882—G. F. Foote—*Tool Holder for Dentists.*



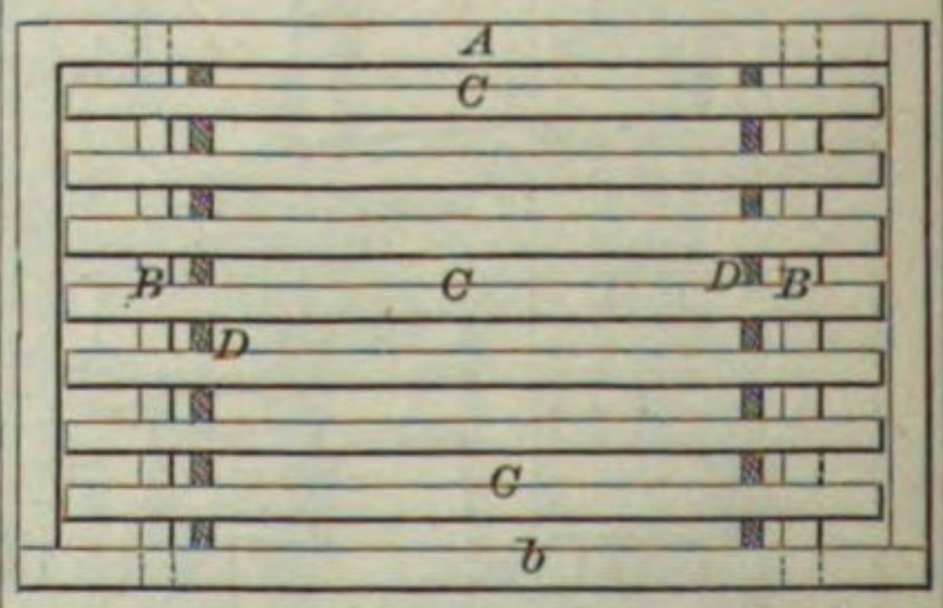
54881—N. T. Fogg—*Pump.*

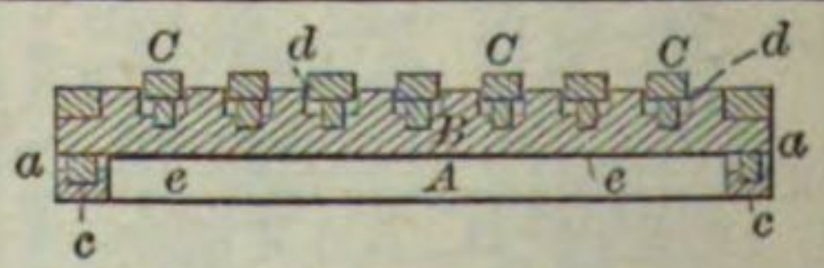


54878—B. S. Fletcher—*Churn.*

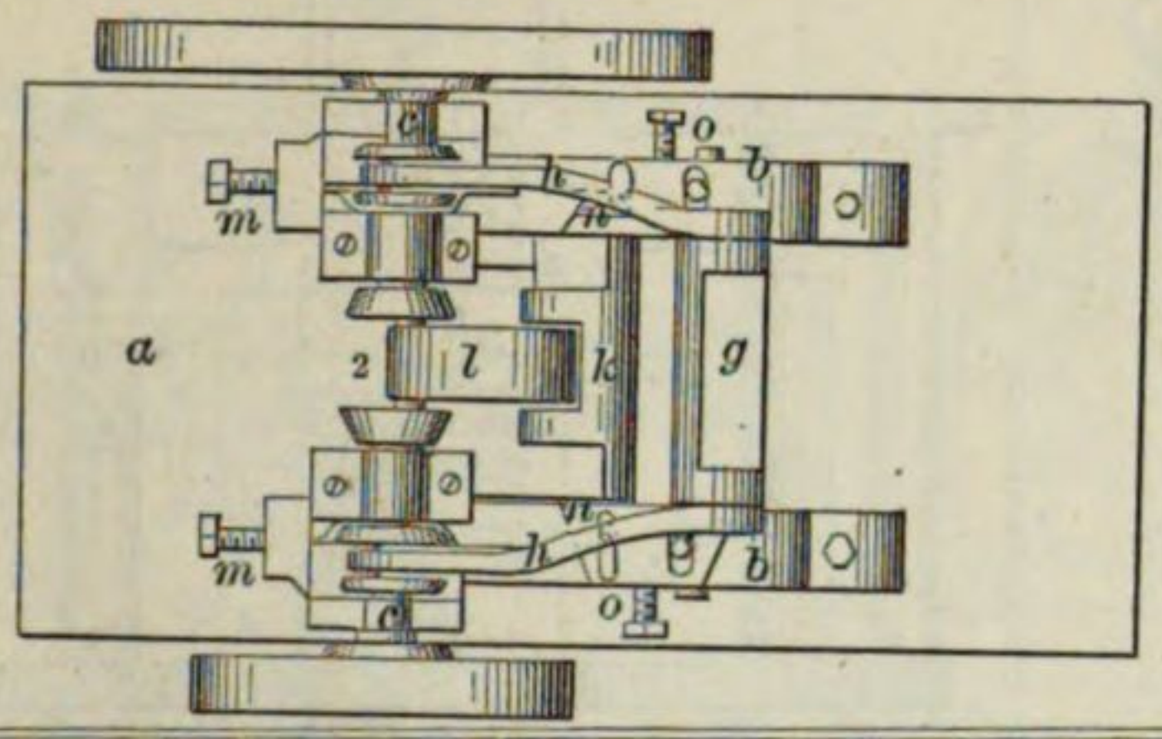


54879—J. H. Fletcher—*Bed Bottom.*

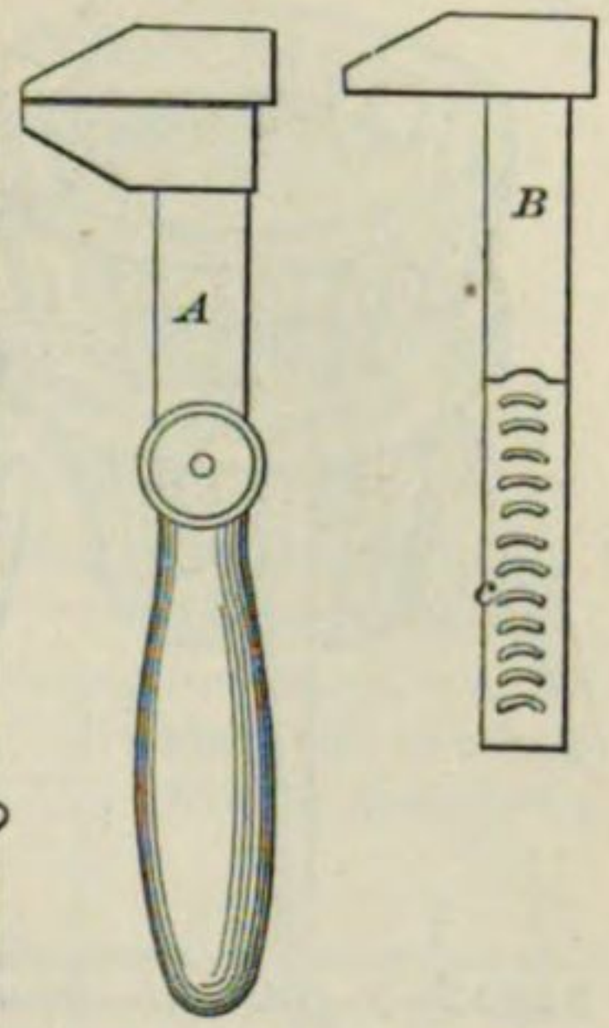




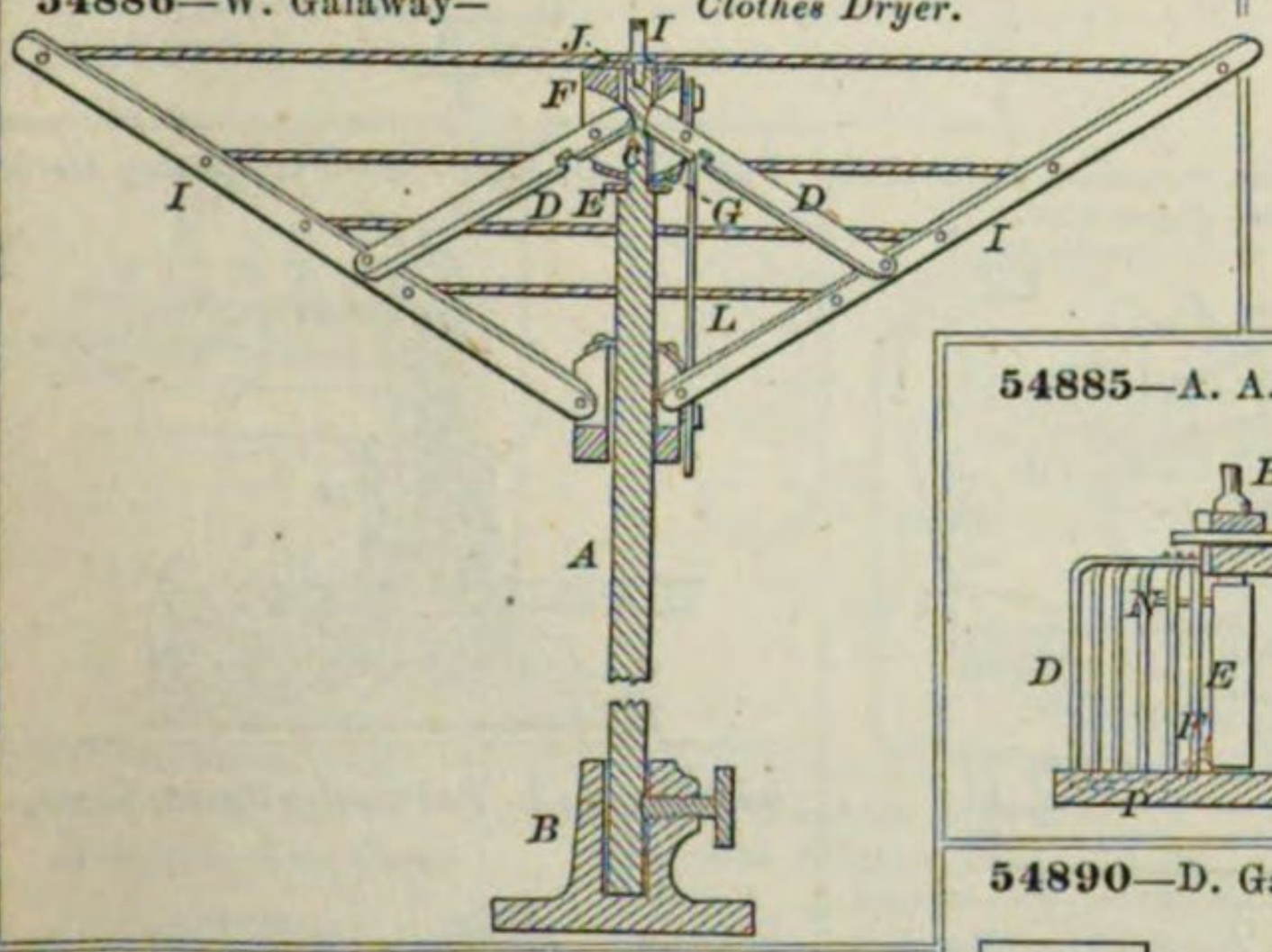
54884—J. Fowler—*Ore Crusher.*



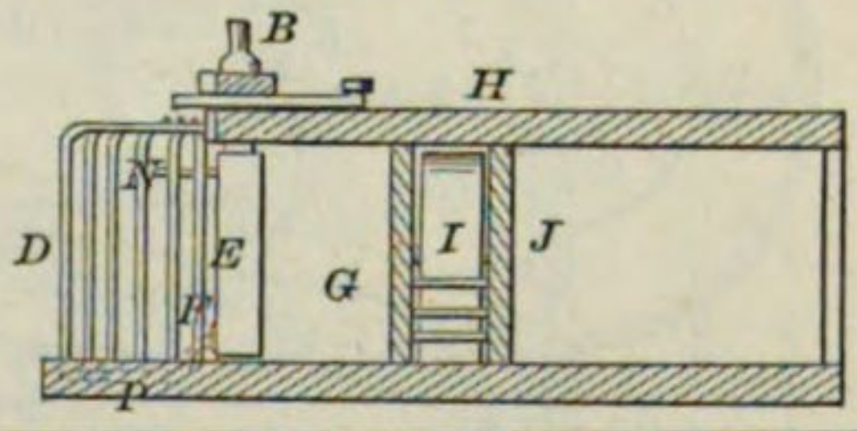
54888—G. P. Ganster—*Wrench.*



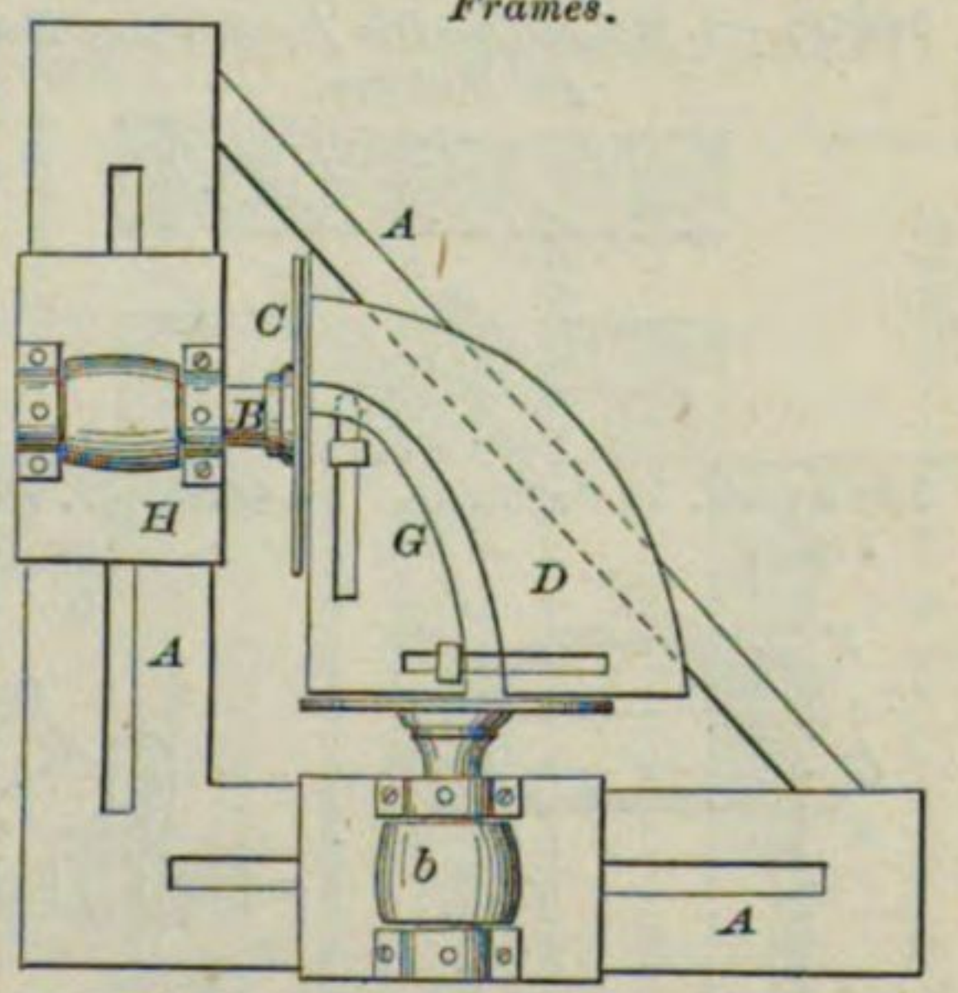
54886—W. Galaway—*Clothes Dryer.*



54885—A. A. Fradenburg—*Animal Trap.*

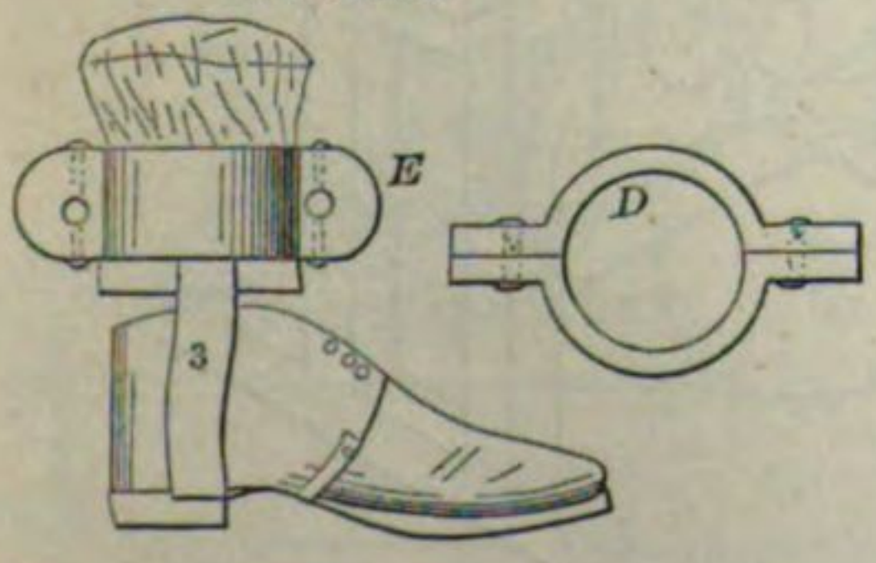


54890—D. Garrison—*For Jointing Oval Frames.*

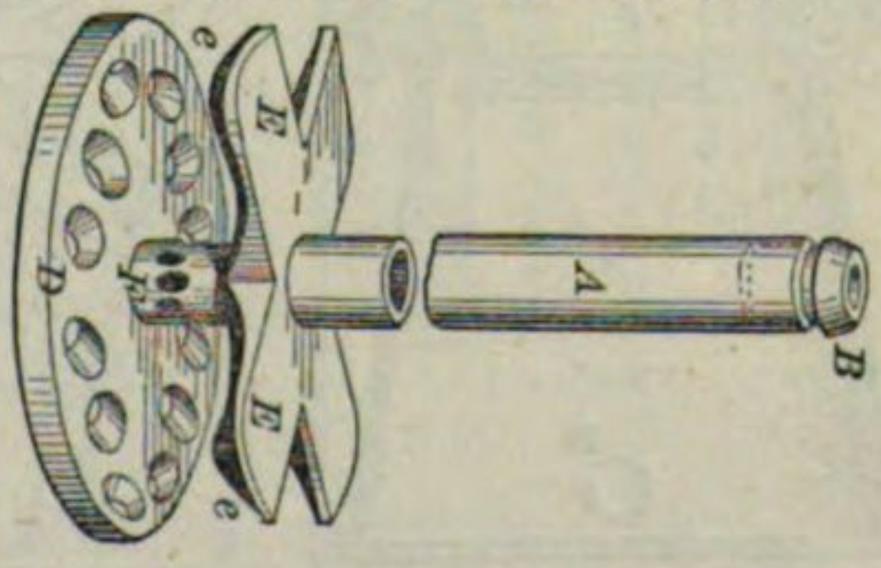


54887—E. H. Gammon—*To Prevent Horses from Kicking.*

54889—J. C. Gardner—*Shackles for Prisoners*

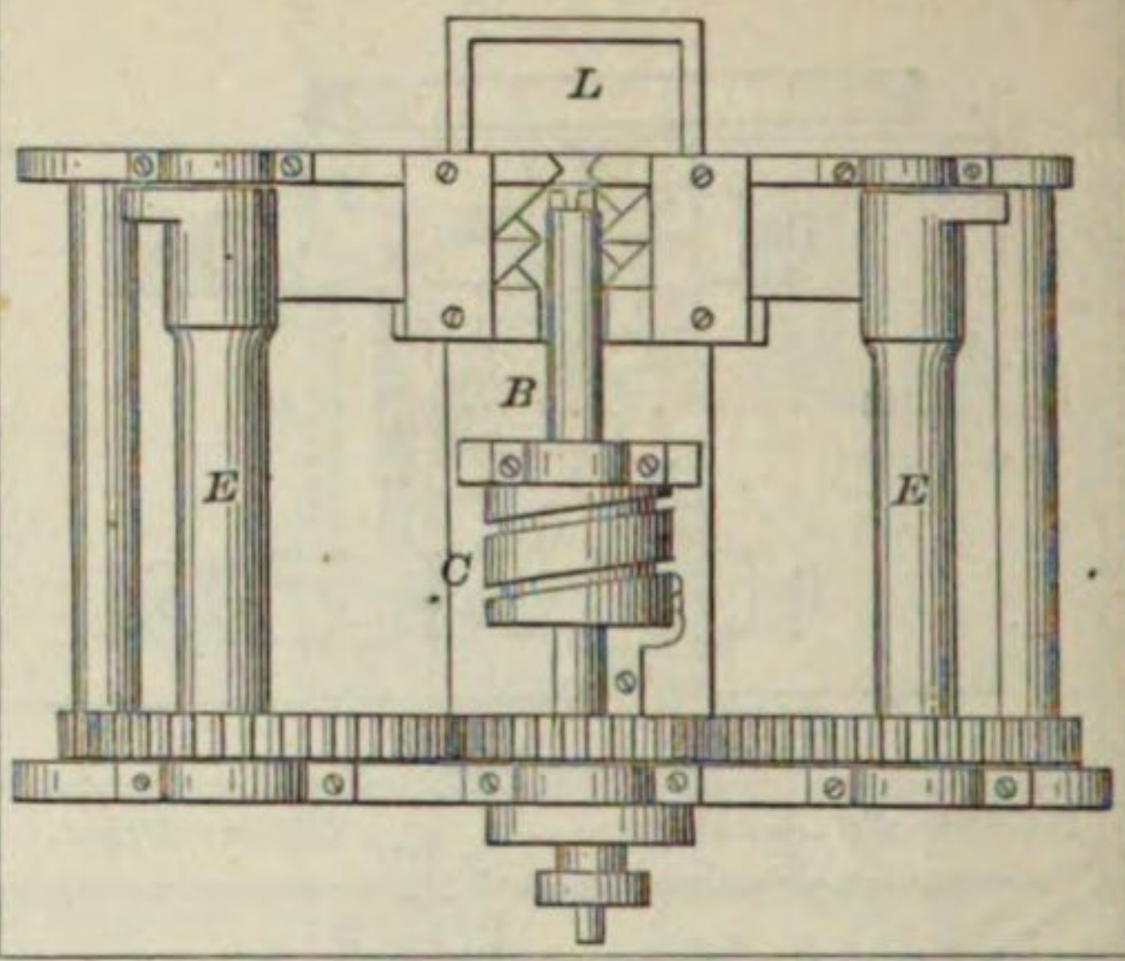


54891—J. Gelston—*Churn Dasher.*

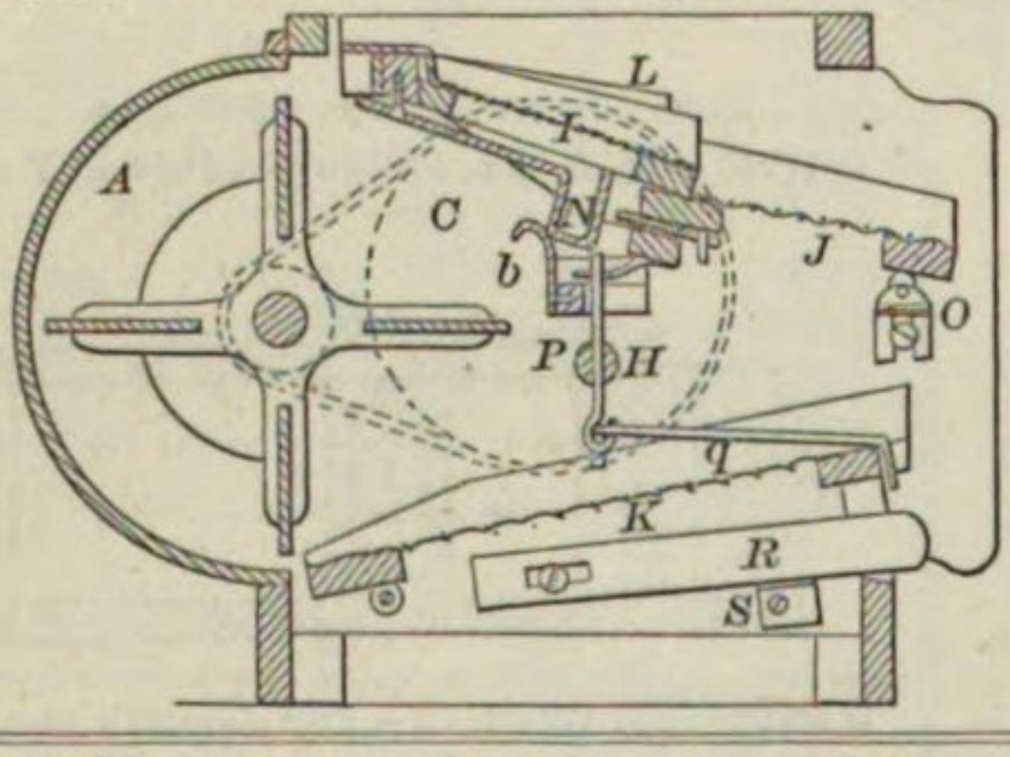


54892—F. A. Gleason—*Washing Machine.*

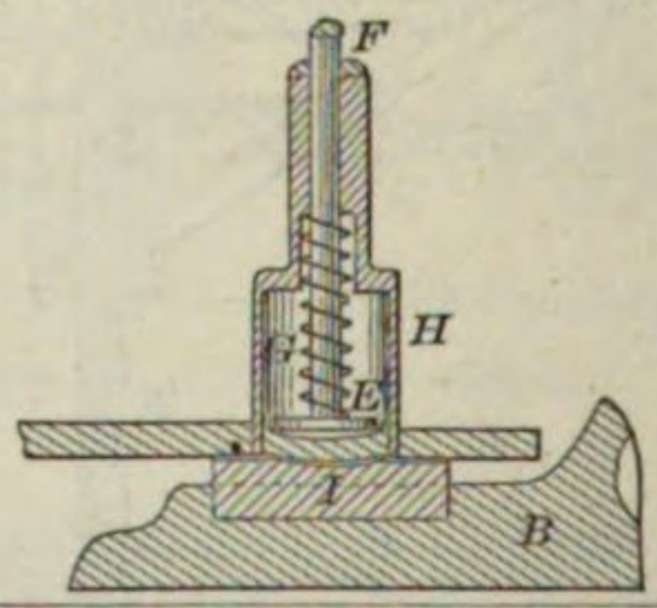
54893—Grier & Boyd—*For Making Auger Bits.*



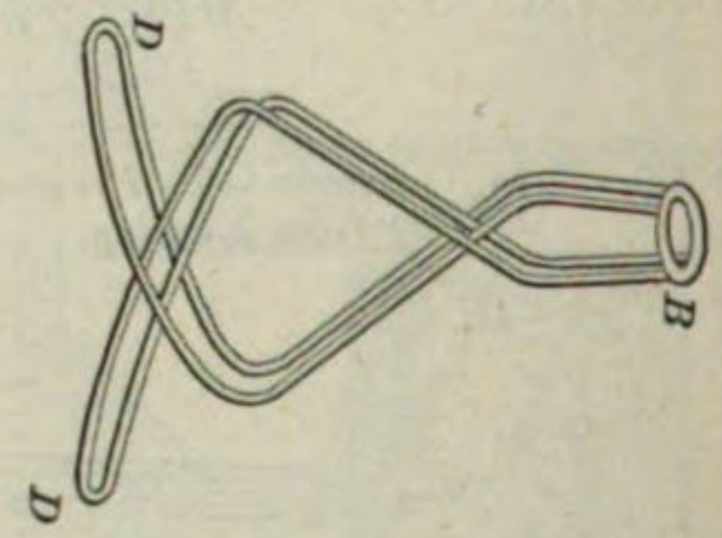
54895—P. Griswold—*Grain Separator.*



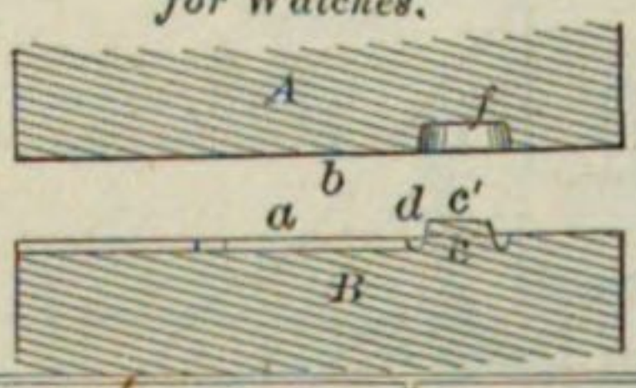
54896—G. Hammer—*For Cutting Corks.*



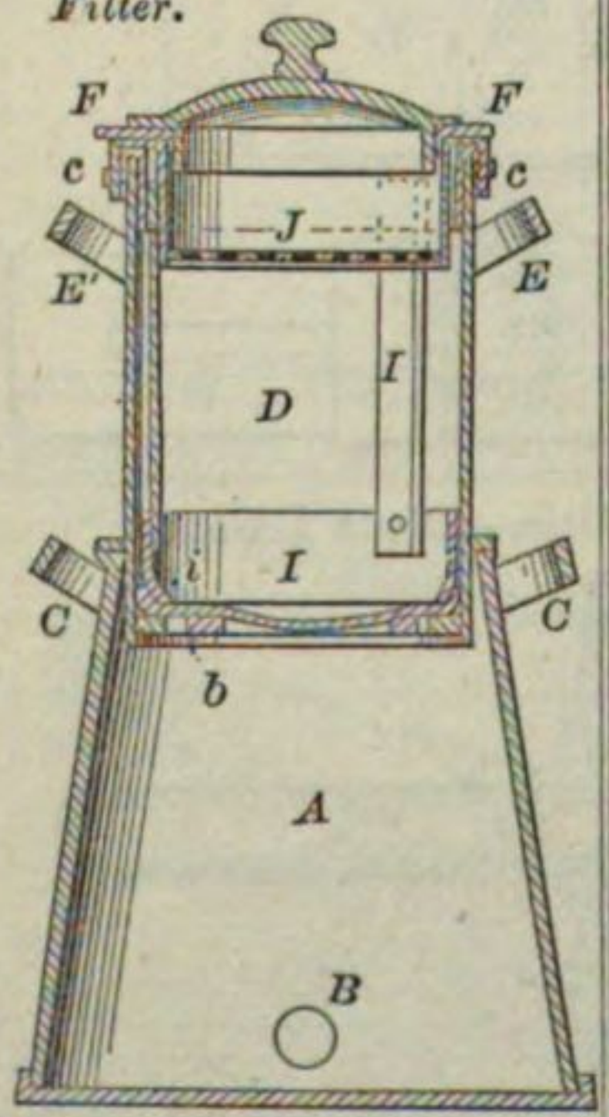
54897—A. L. Harwood—*Broom Clamp.*



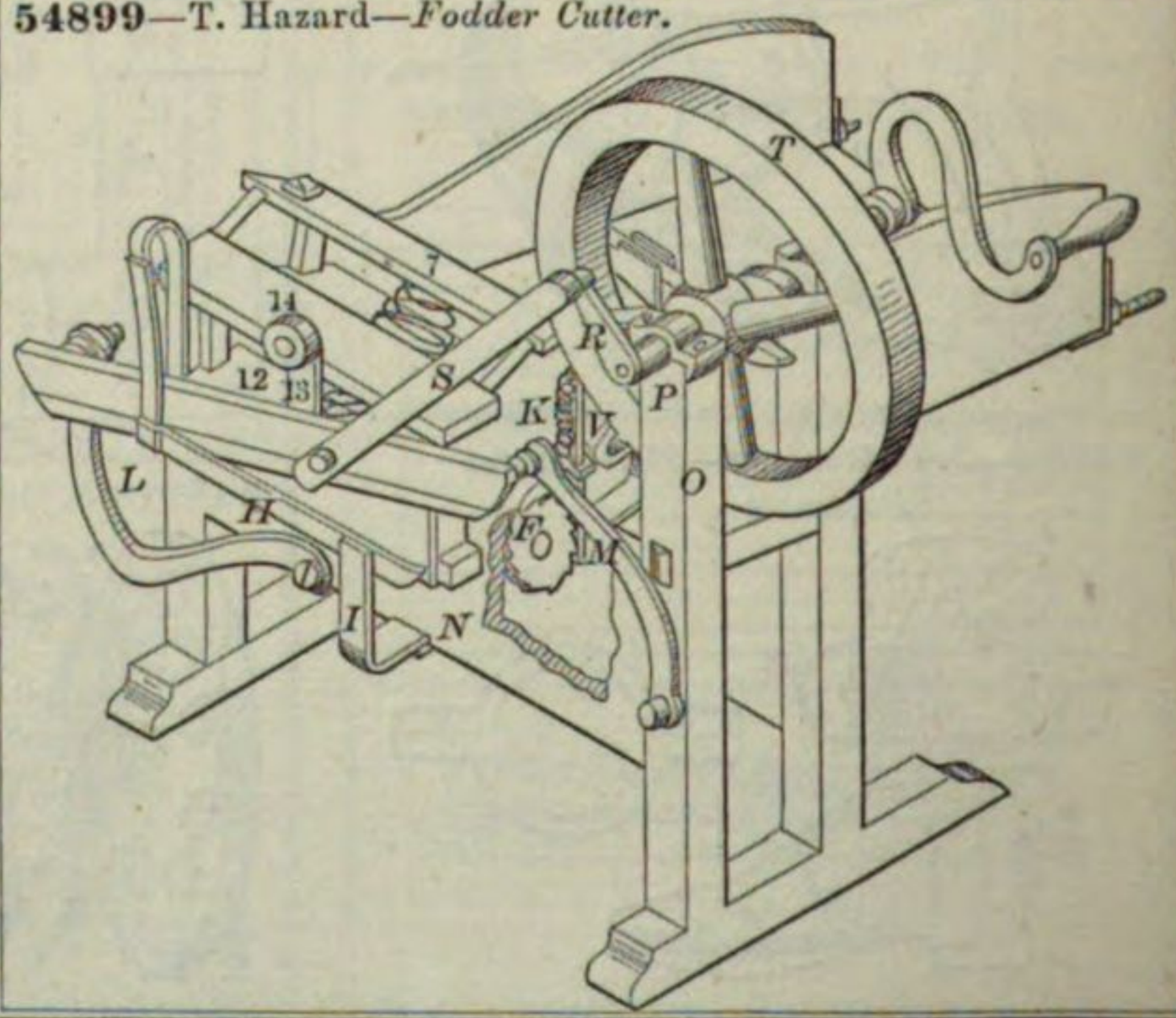
54898—G. Hastings—*Die for Swaging Hands for Watches.*



54894—F. P. Griffiths—*Filter.*

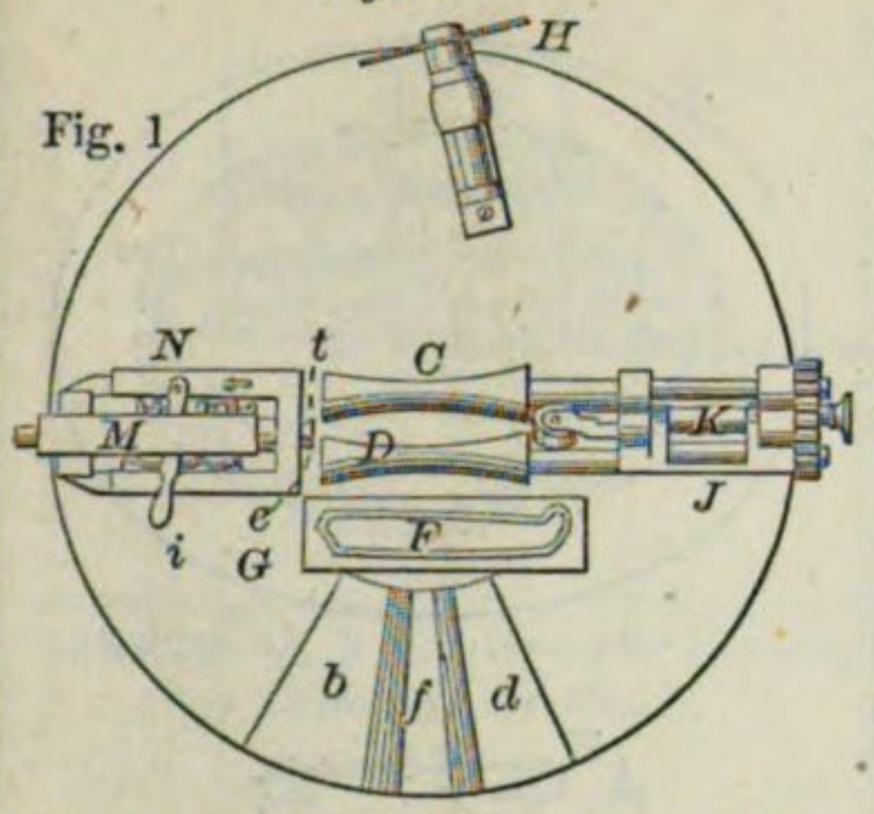


54899—T. Hazard—*Fodder Cutter.*

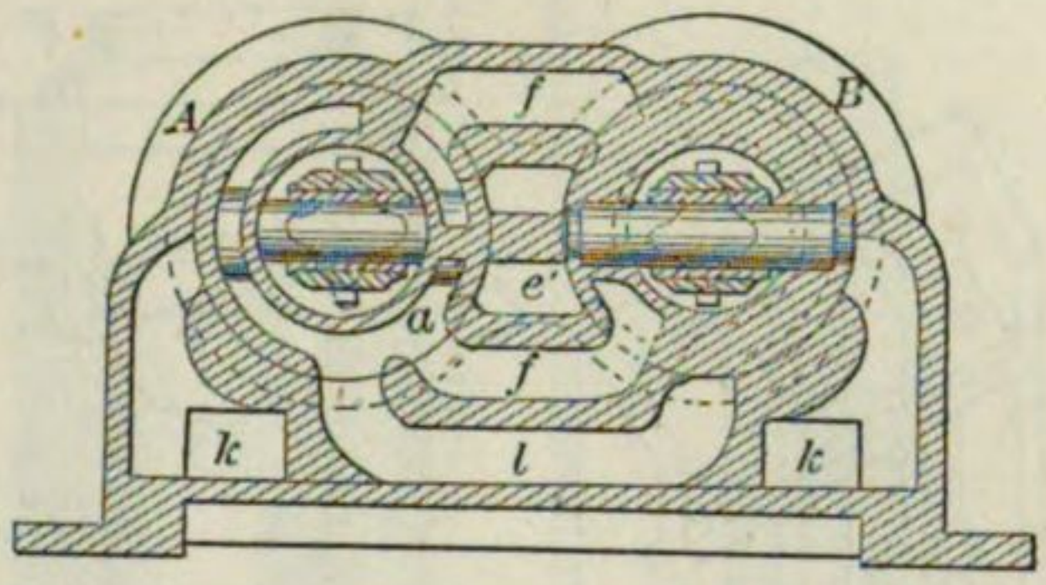


54900—I. A. Heald—*For Making Cigars.*

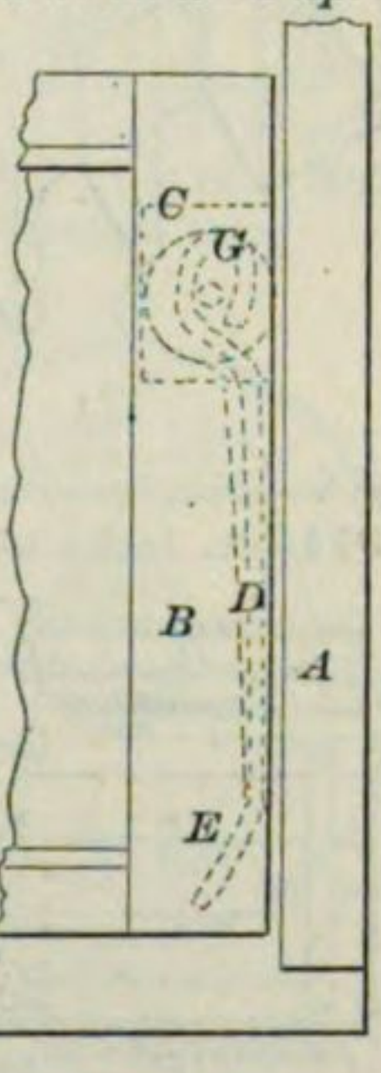
Fig. 1



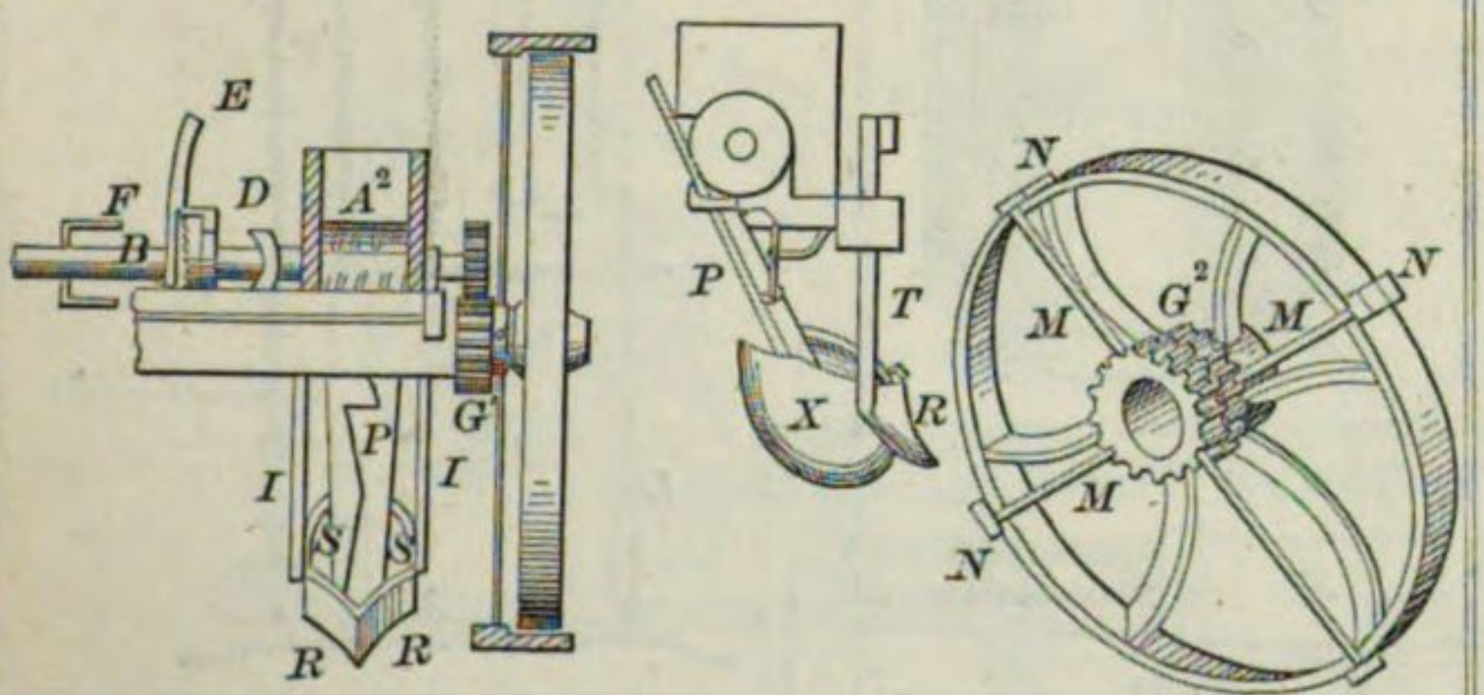
54906—W. Cleveland—*Steam Engine.*



54903—F. Henshaw—*Window Sash Spring.*



54901—J. L. Heisey—*Corn and Seed Planter.*



54904—M. Hey—*Bung for Beer Casks.*

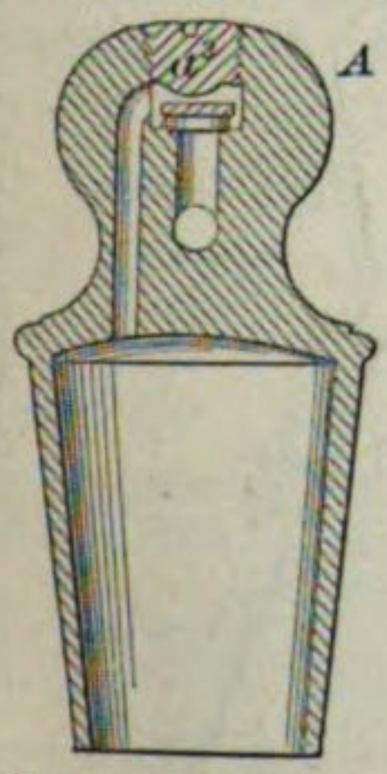
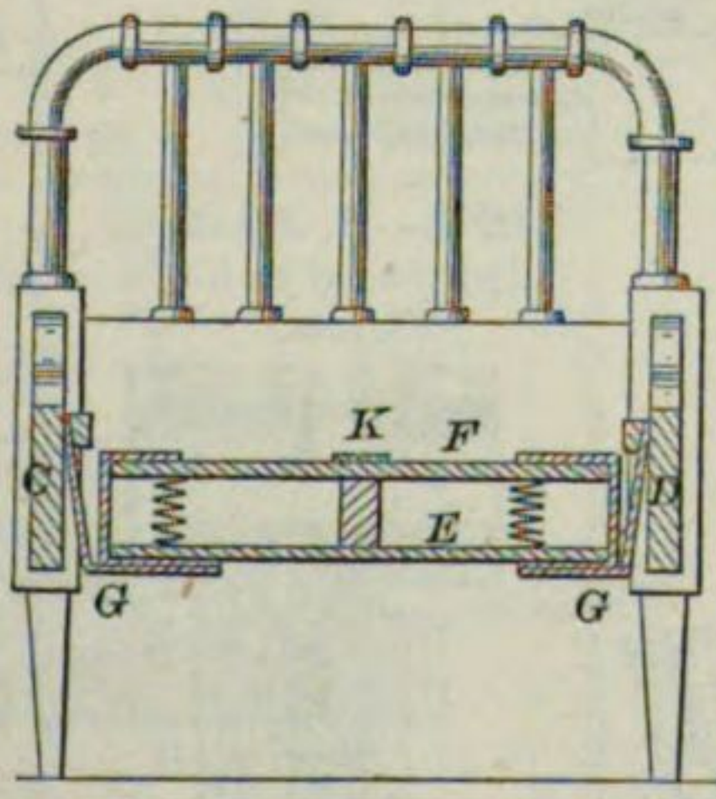


Fig. 3 a^3

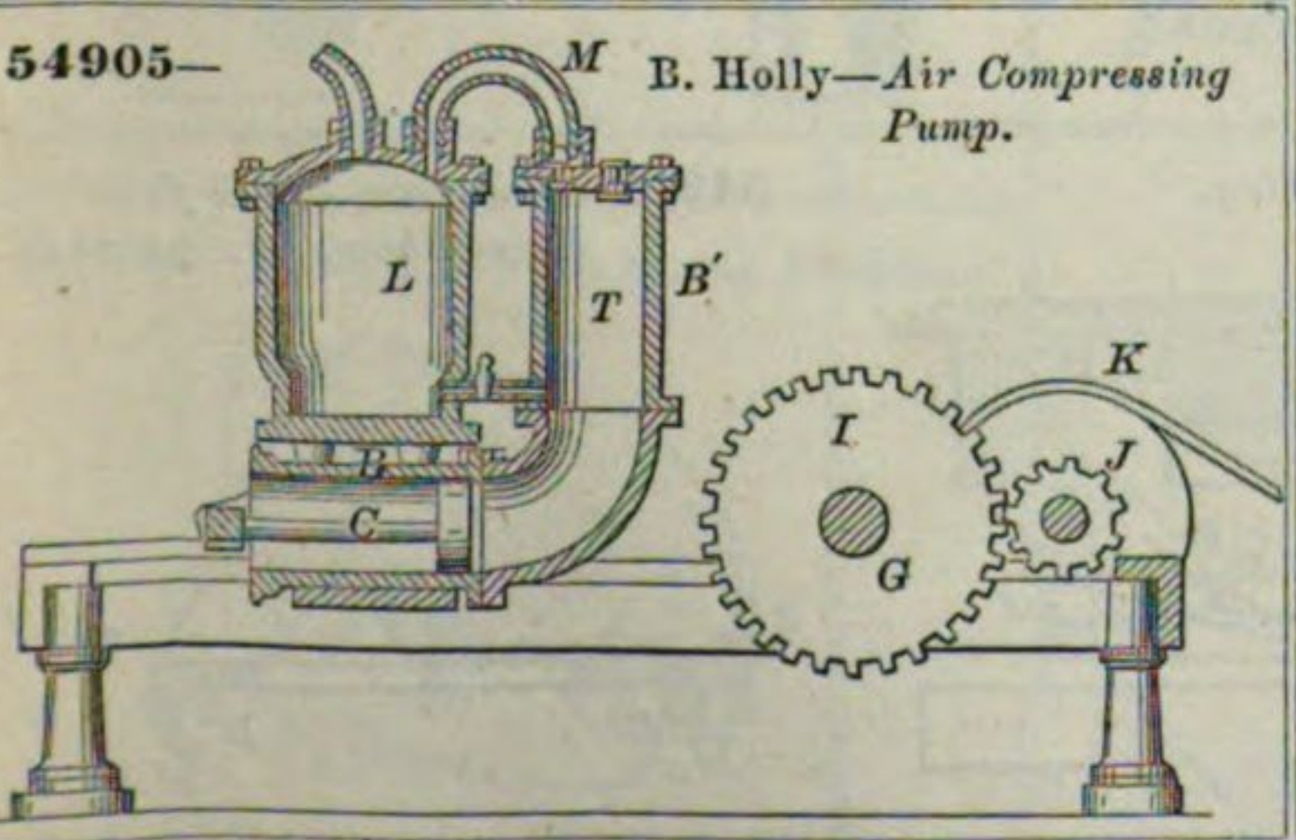
54902—Henderson & Ford—*Bed Bottom.*



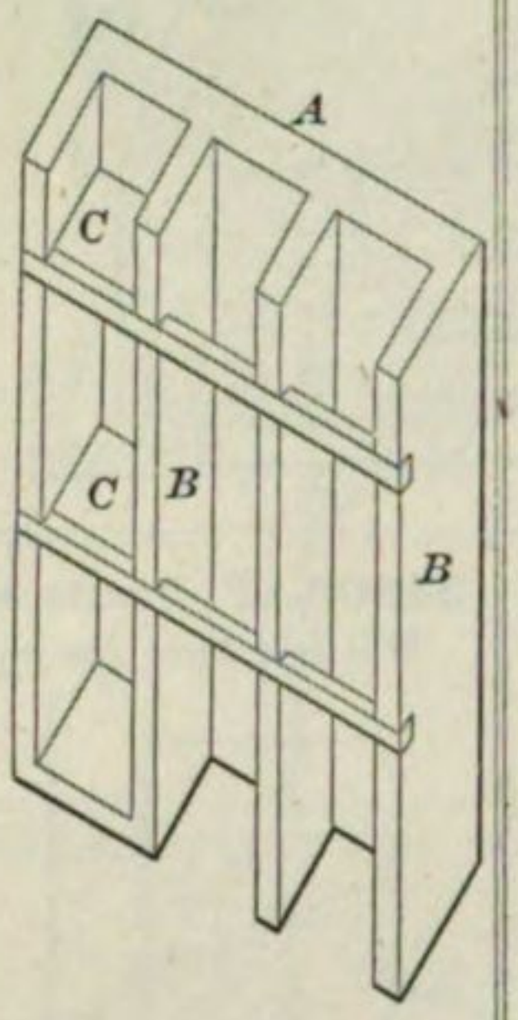
54908—Horner & Van Doren—*Window Shade Fixture.*

54909—Hoxsie & Reed—*Flexible Tubing.*

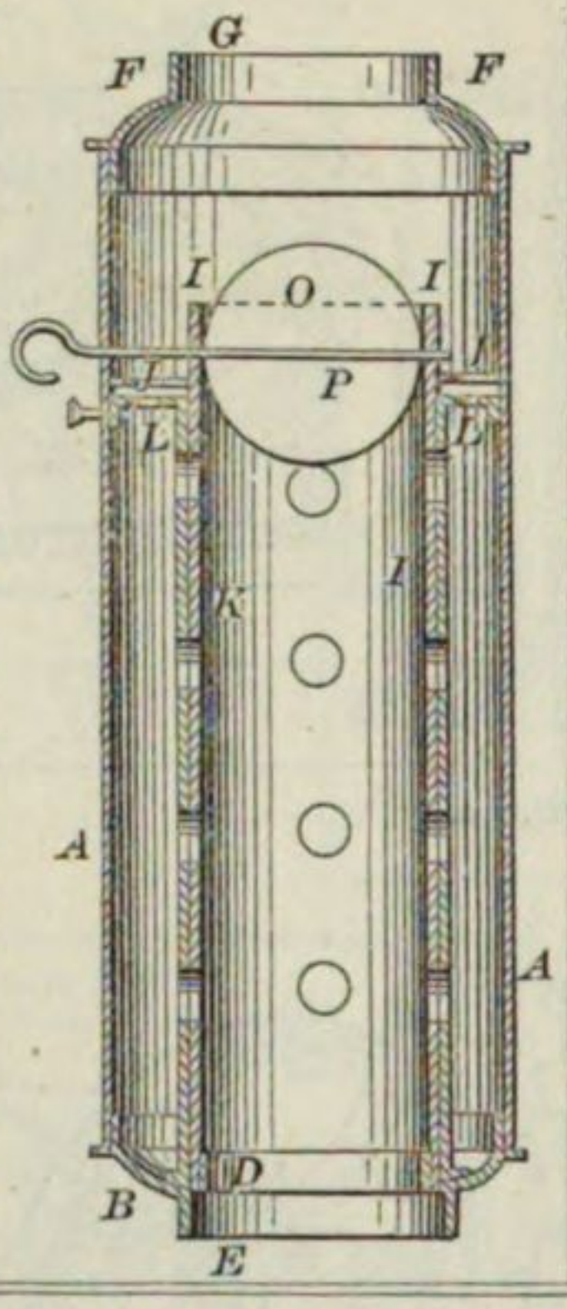
54905—B. Holly—*Air Compressing Pump.*



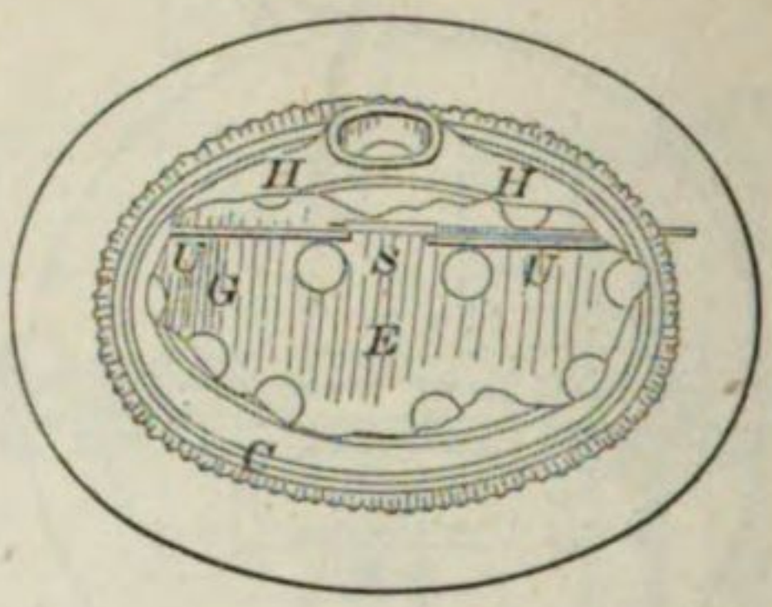
54910—E. Hunt—*Concrete and Mortar Wall.*

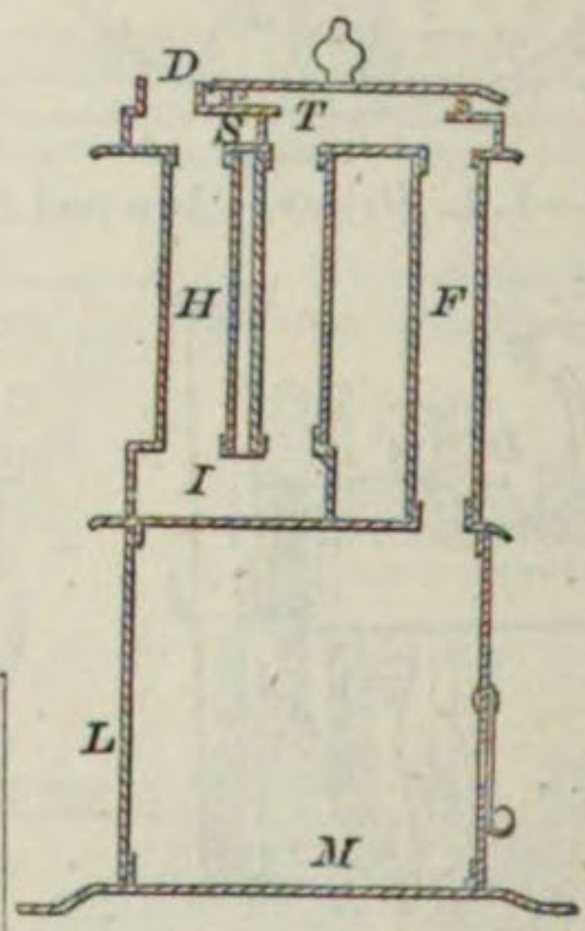


54911—F. P. Hunt—*Stove Pipe Drum.*

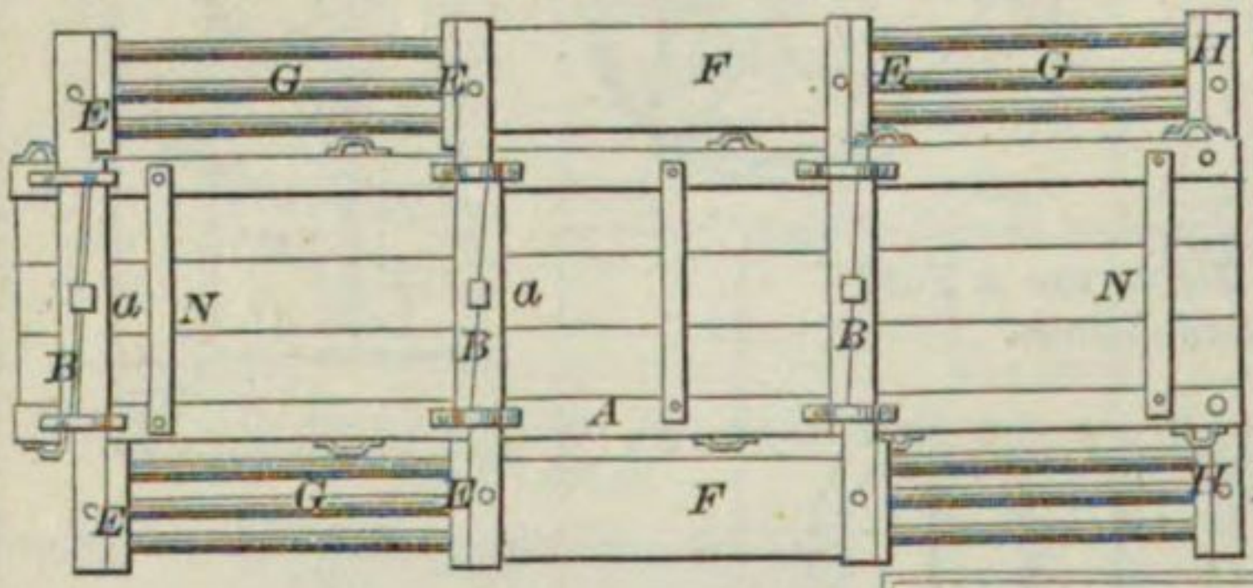


54912—J. B. Hyzer—*Heat Radiator.*

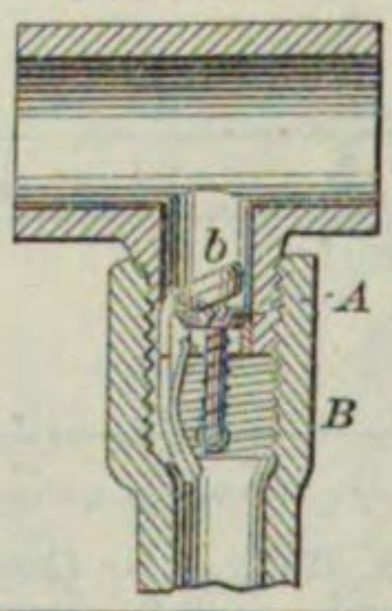


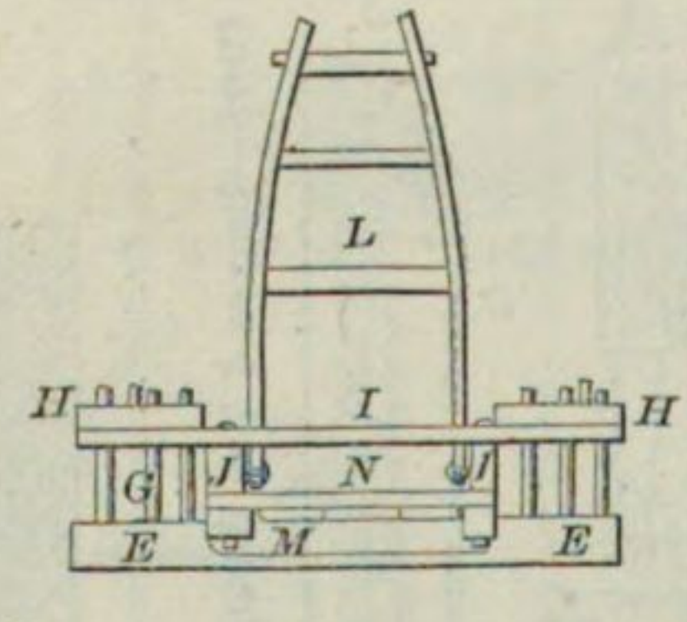


54914—A. Jackson—*Hay Rack for Wagons.*

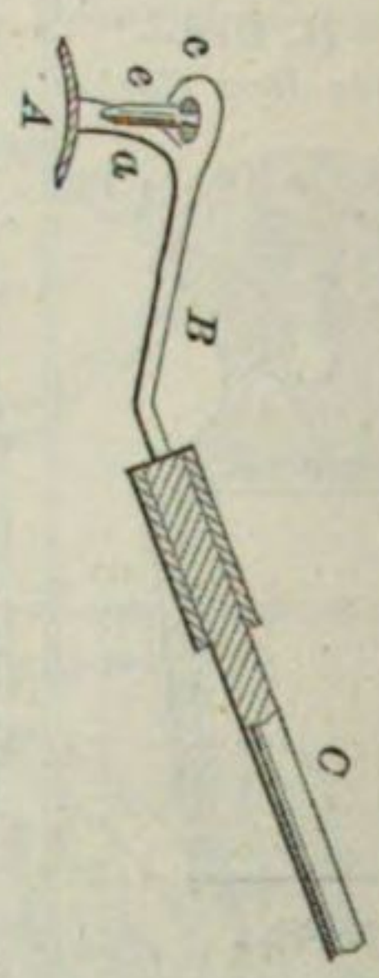


54915—B. Jacobs—*Attachment to Gas Fixtures.*

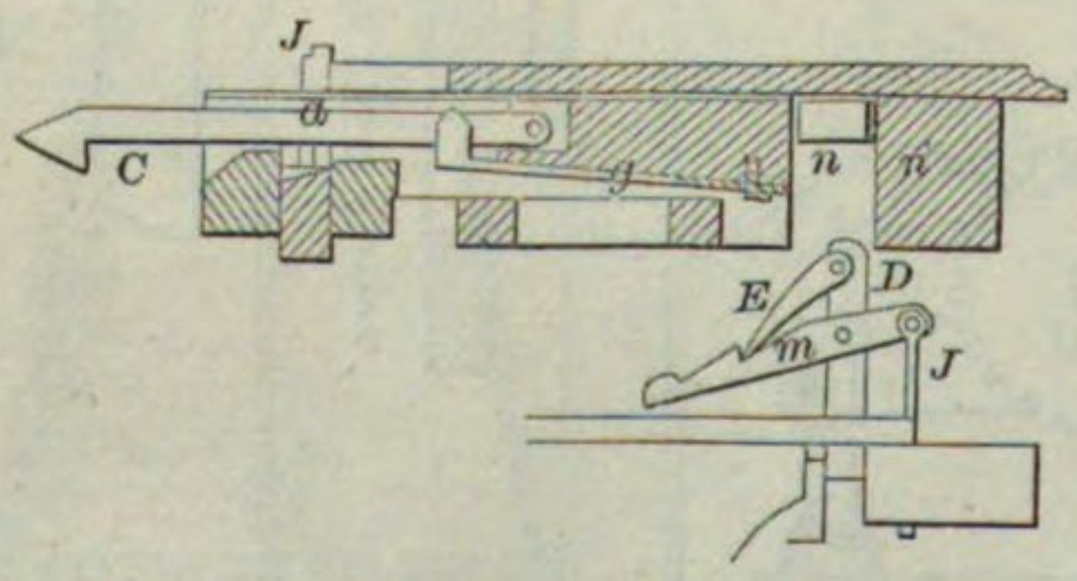




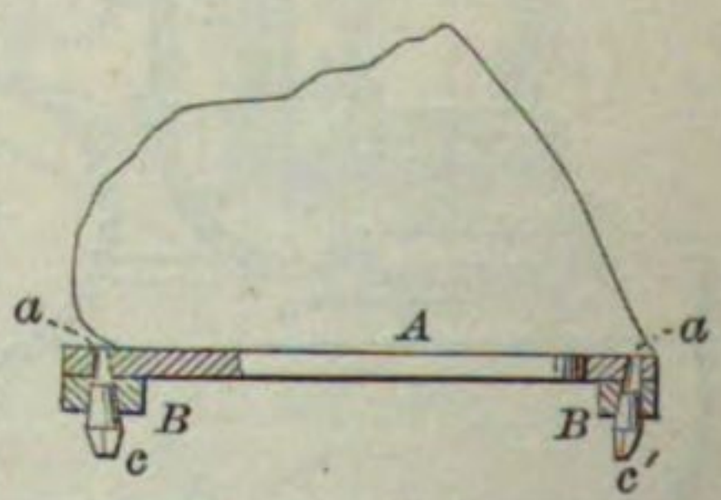
54916—J. D. Jenkins—*Shuffle Hoe.*



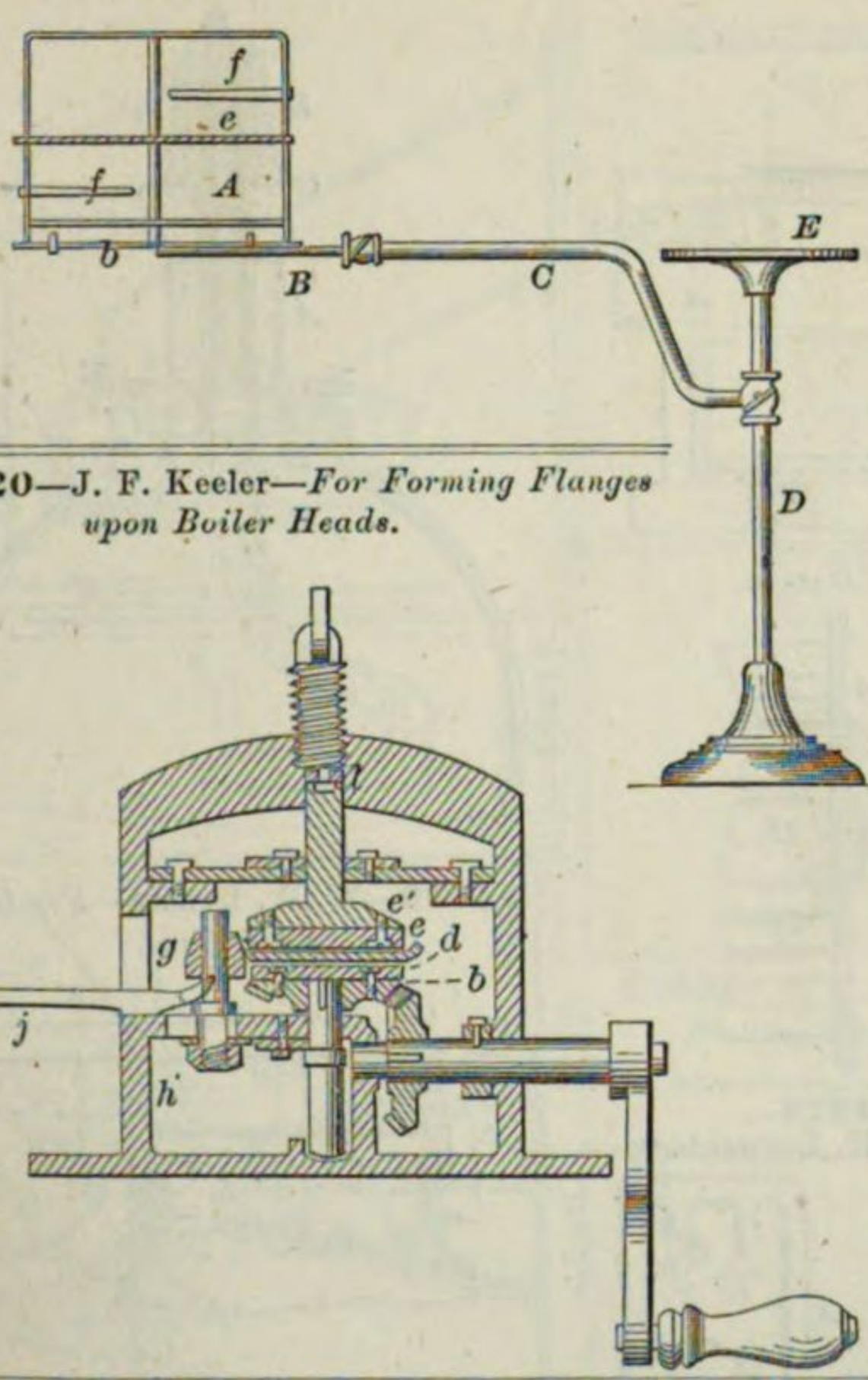
54913—M. Ingersoll—*Car Coupling.*



54918—F. Judson—*Calk for Horse Shoes.*

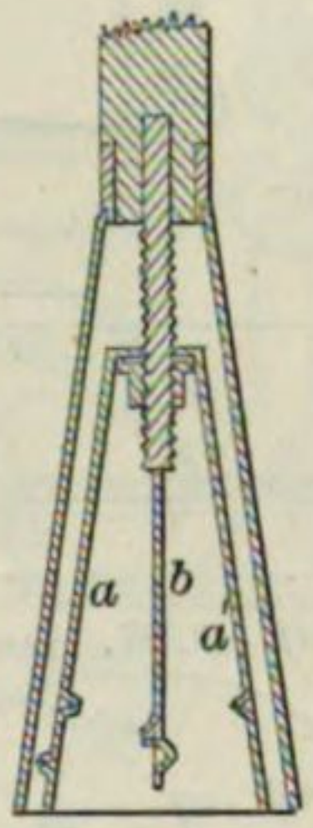


54919—E. Kast—*Reading Desk.*

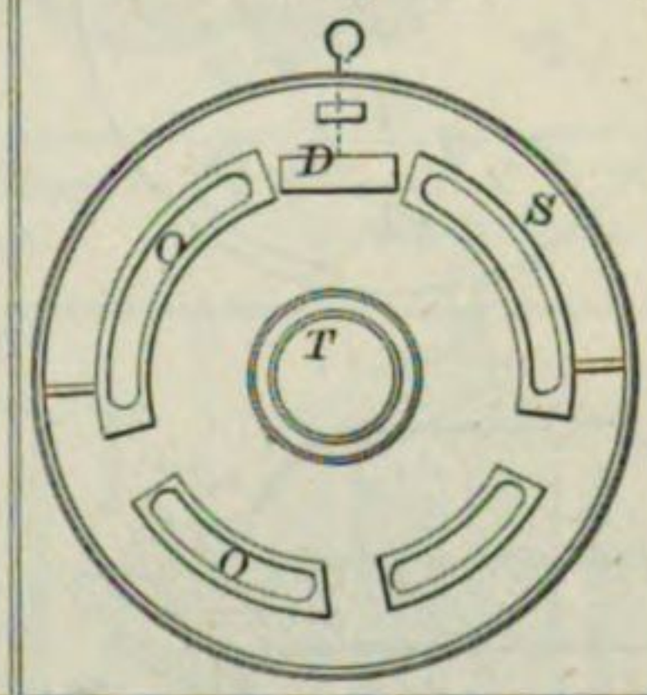


54920—J. F. Keeler—*For Forming Flanges upon Boiler Heads.*

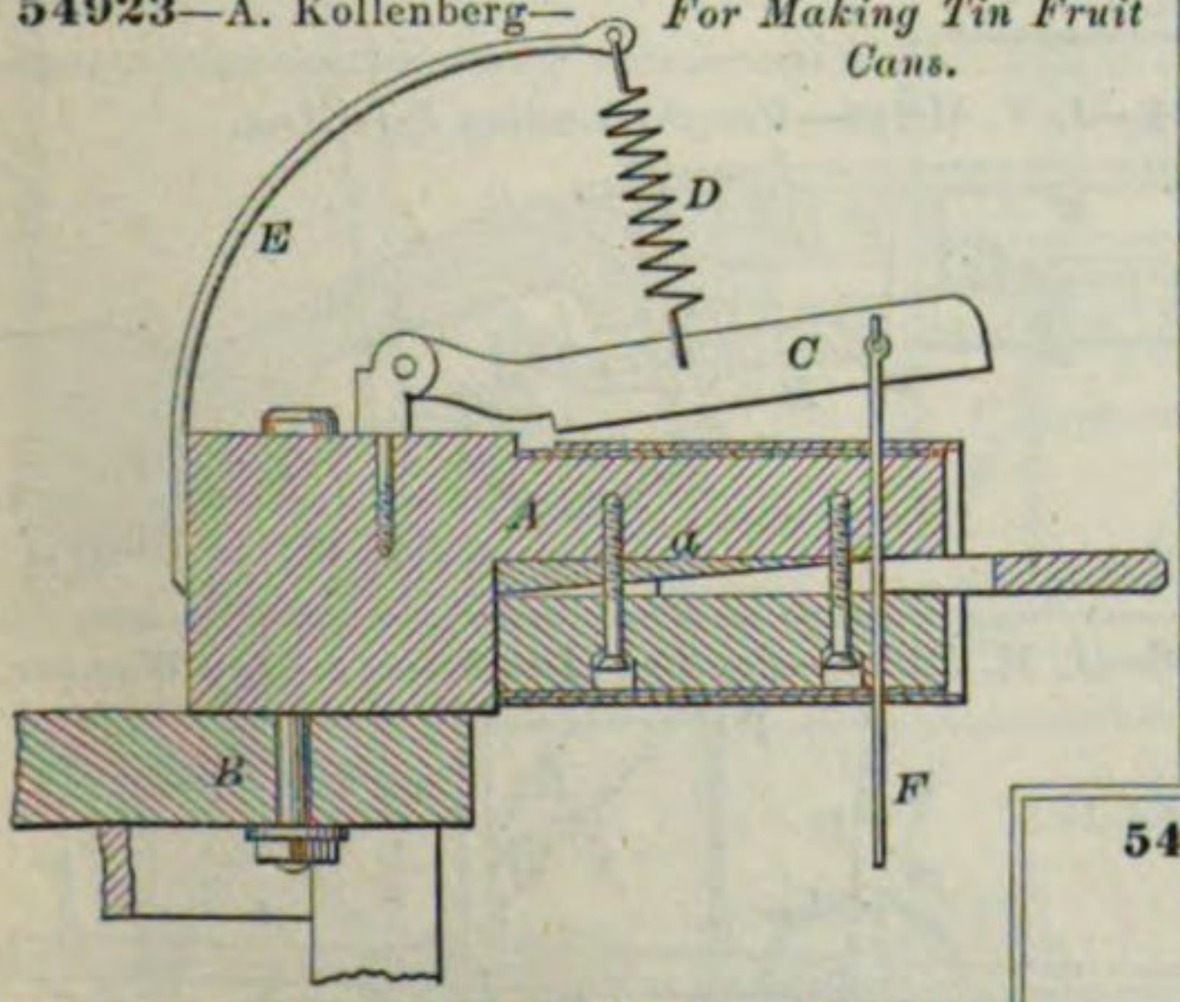
54921—J. Kiefer—*Broom Head.*



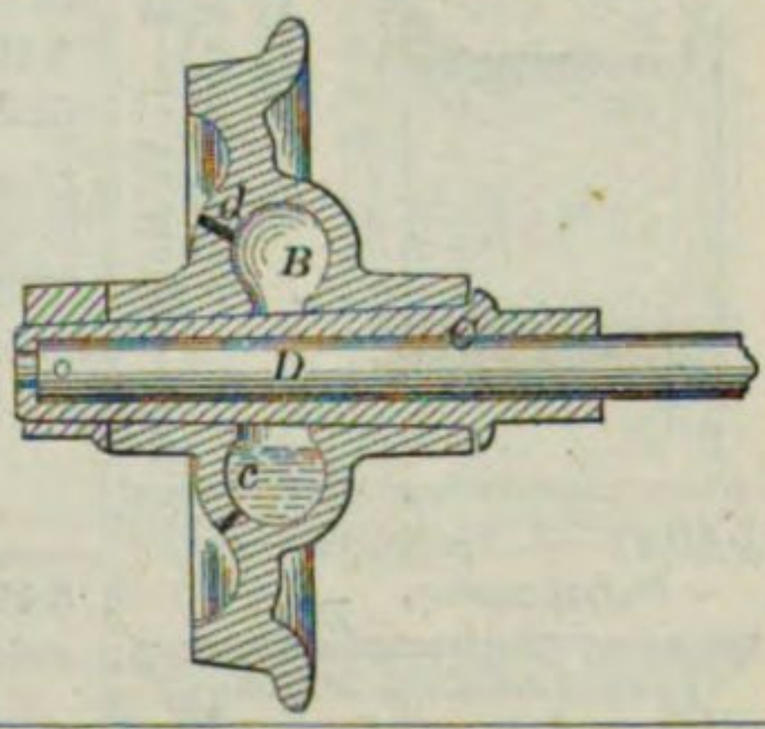
54924—Lakin & Hall—*Heating Store.*



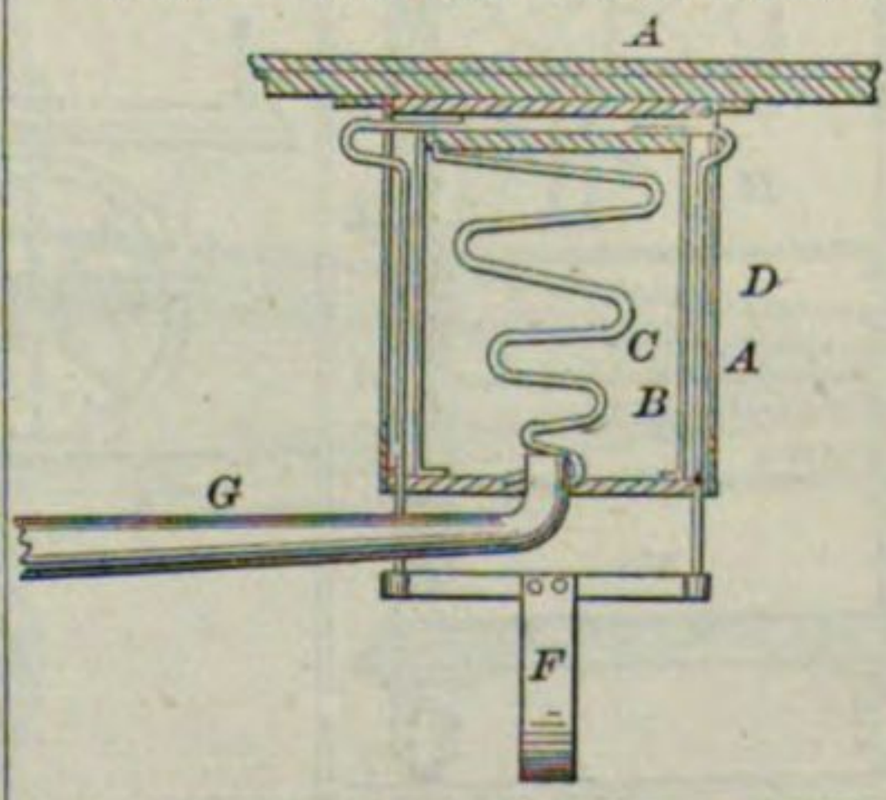
54923—A. Kollenberg—*For Making Tin Fruit Cans.*



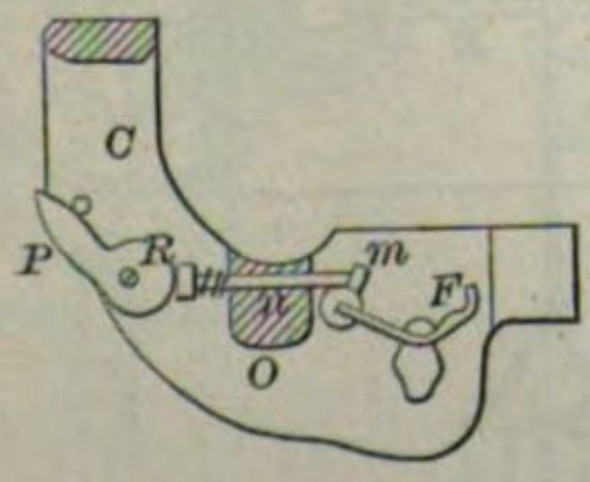
54925—J. W. Latcher—*Car Wheel.*



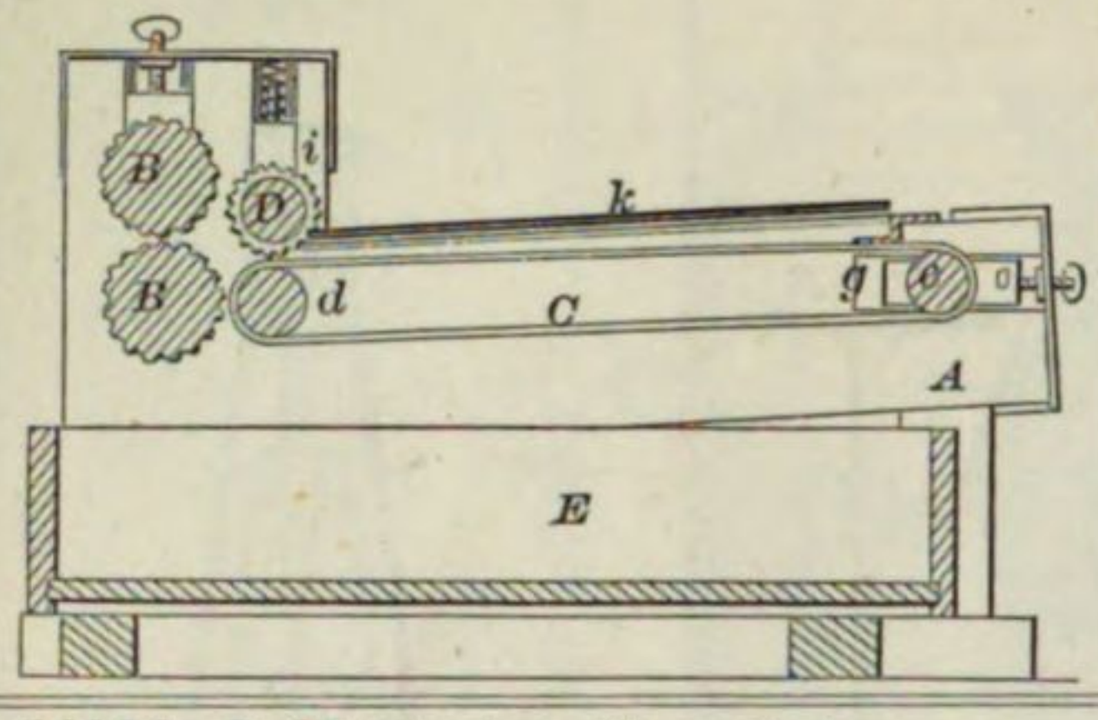
54922—P. Killin—*Alarm Whistle.*



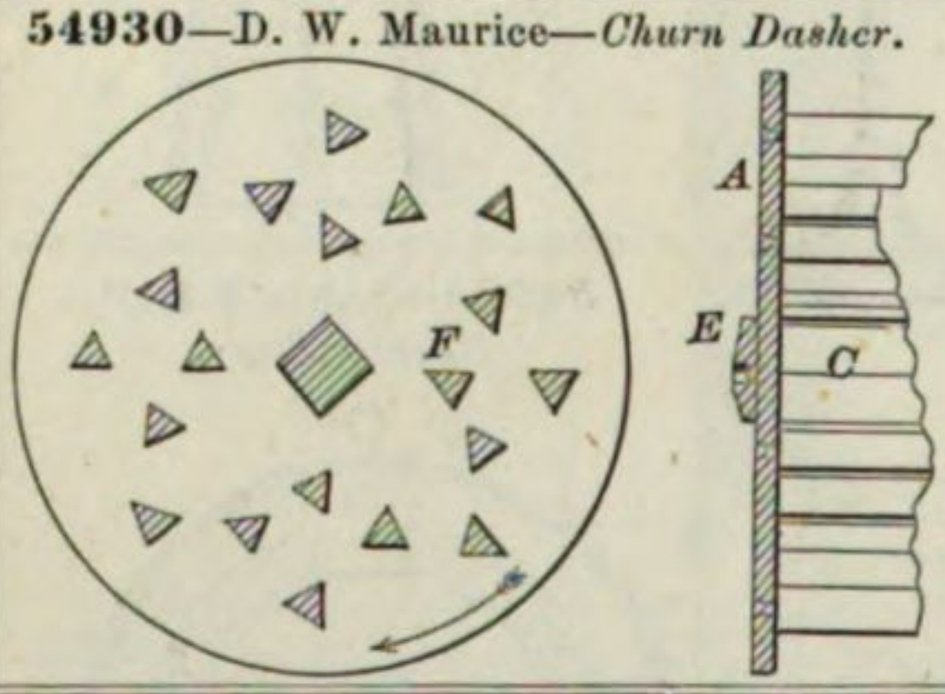
54926—W. M. Leavens—*Sewing Machine.*



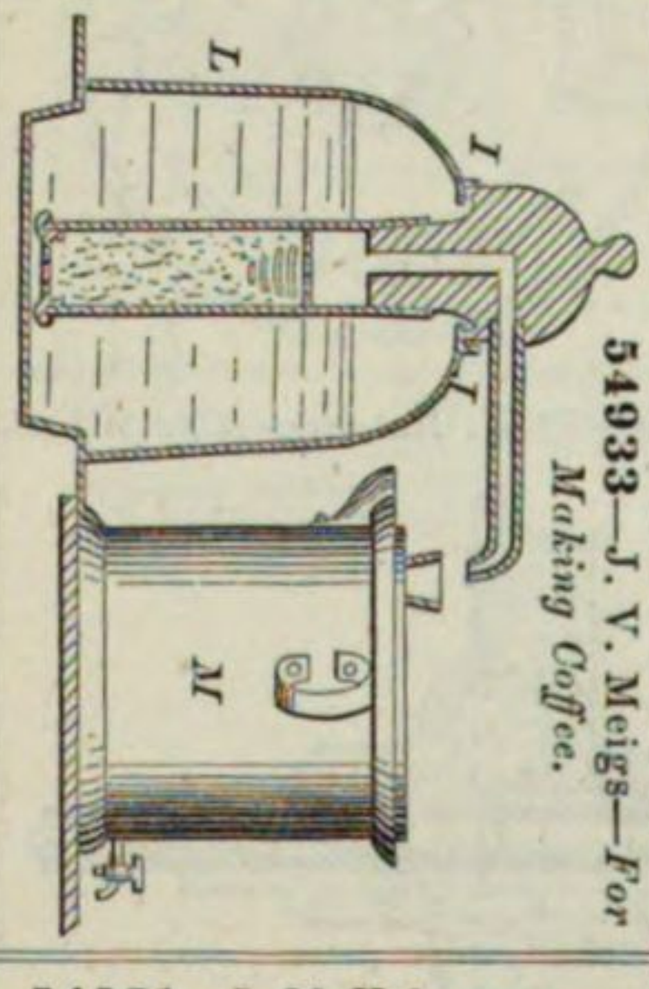
54927—W. K. Lewis—*Pea and Bean Sheller.*



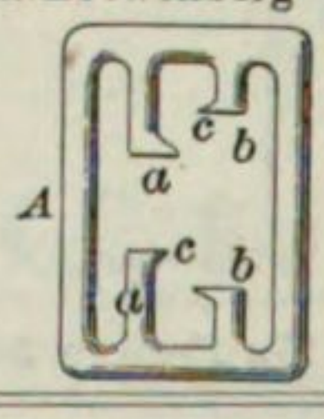
54930—D. W. Maurice—*Churn Dasher.*



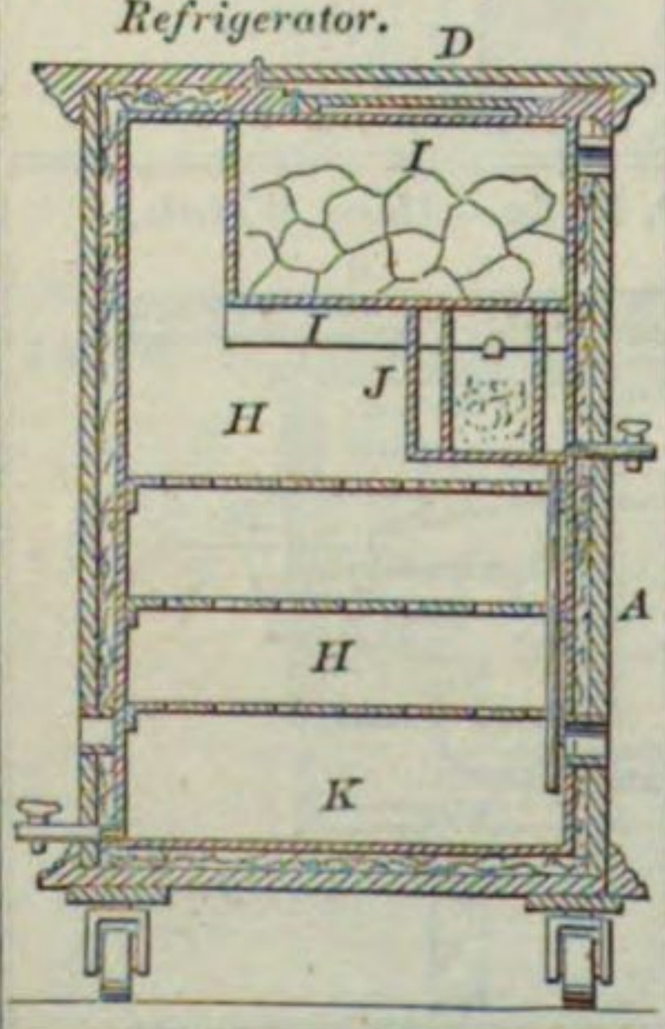
54933—J. V. Meigs—*For Making Coffee.*



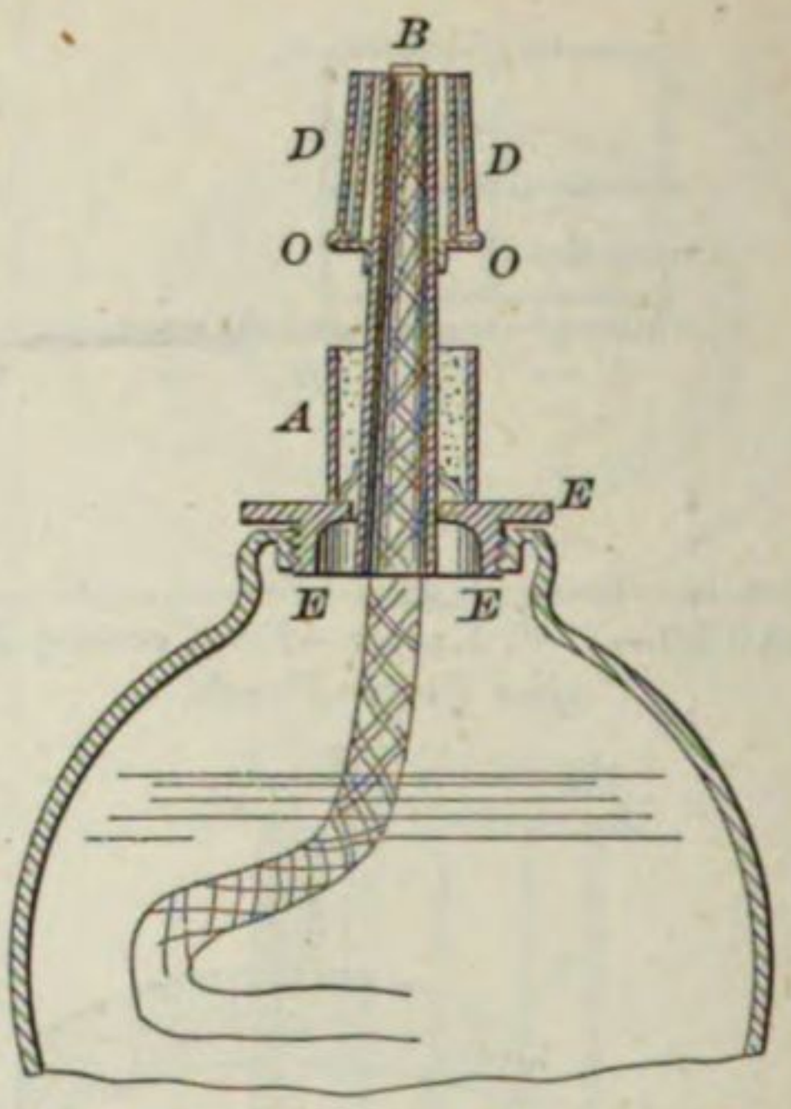
54928—H. Loewenberg—*Buckle.*



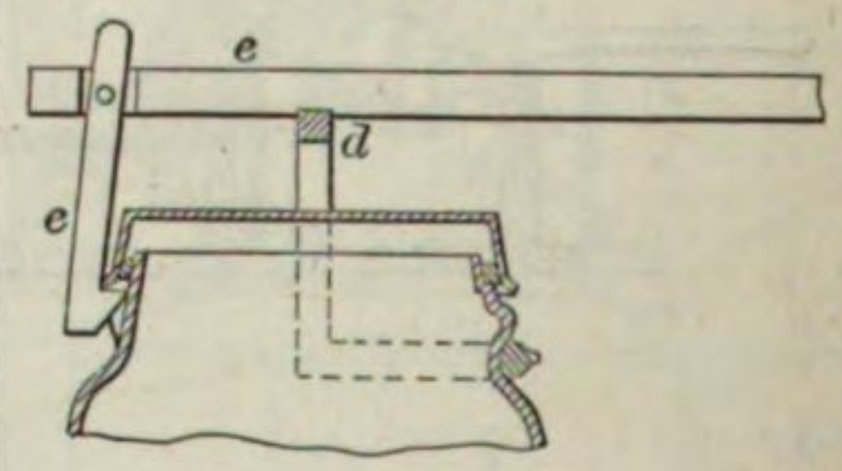
54931—J. McKelvey—*Refrigerator.*



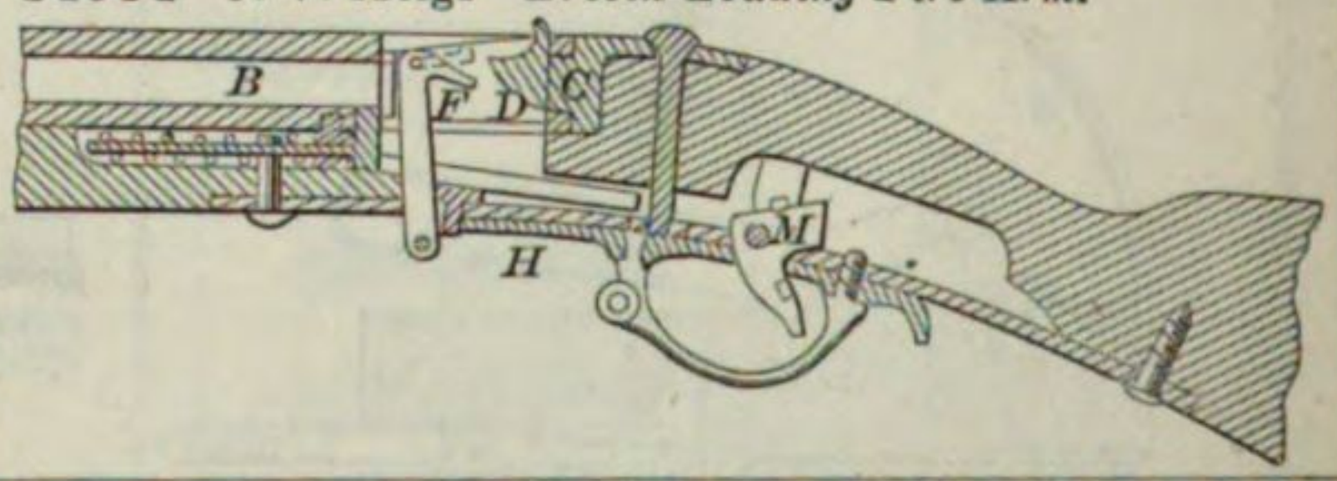
54935—R. S. Merrill—*Lamp.*



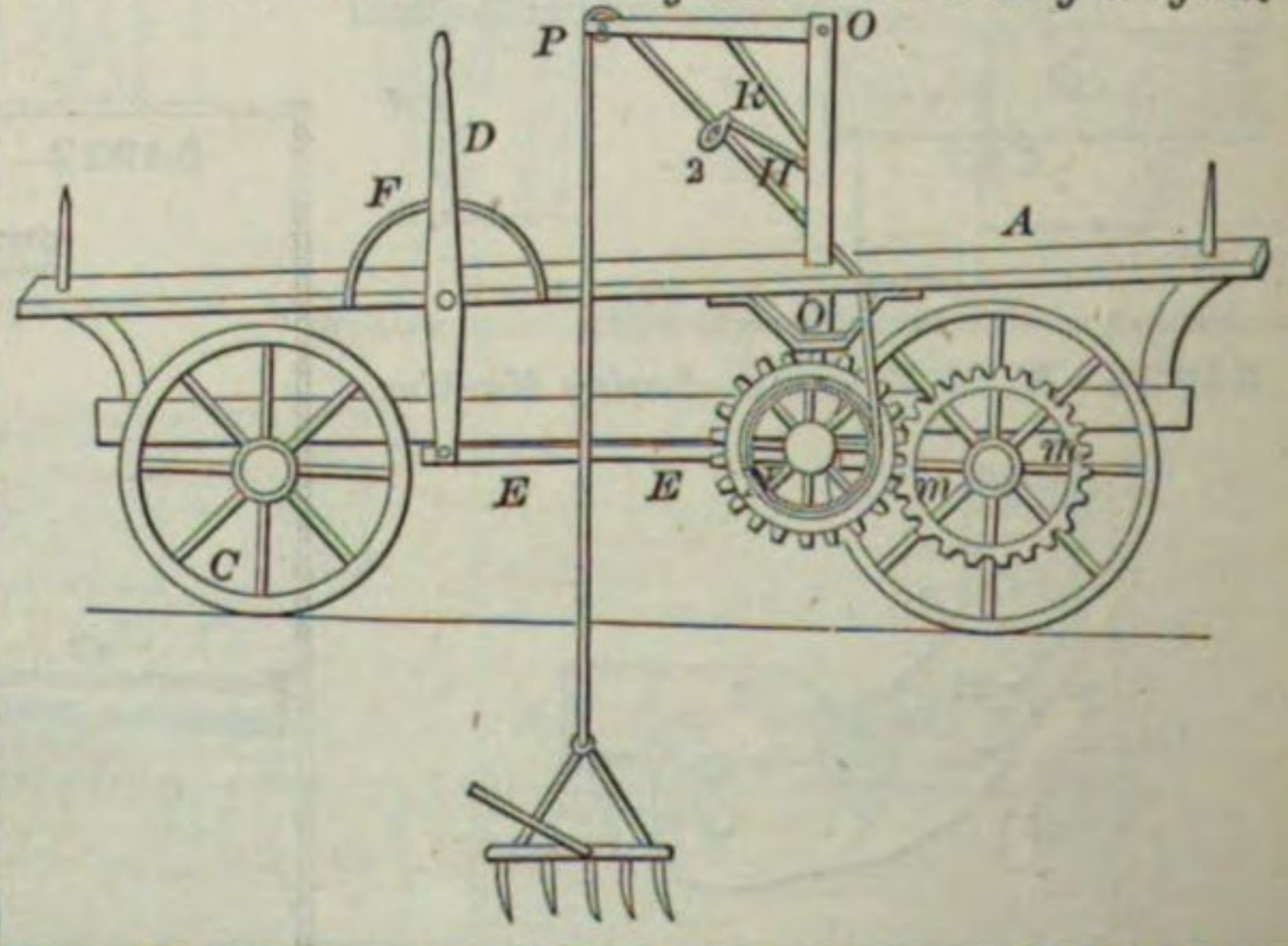
54929—W. W. Lyman—*For Opening Fruit Cans.*



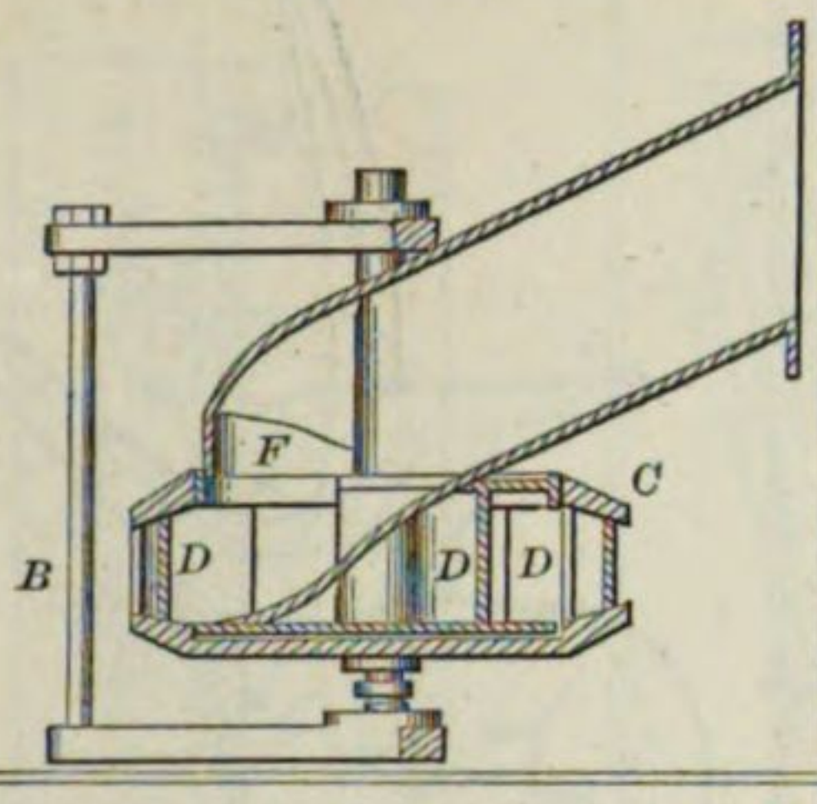
54934—J. V. Meigs—*Breech-Loading Fire Arm.*



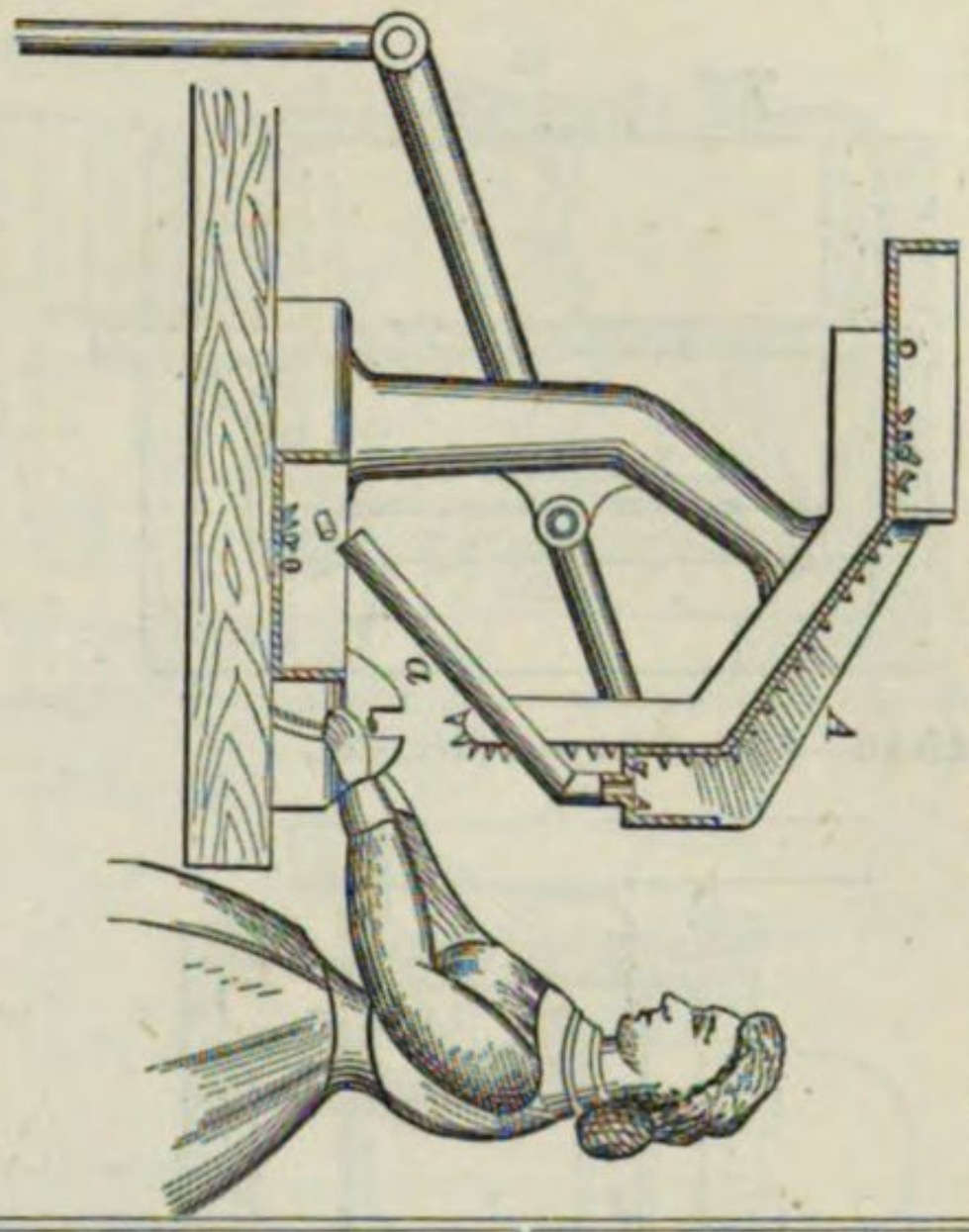
54936—J. M. Miller—*Loading Attachment to Hay Wagons.*



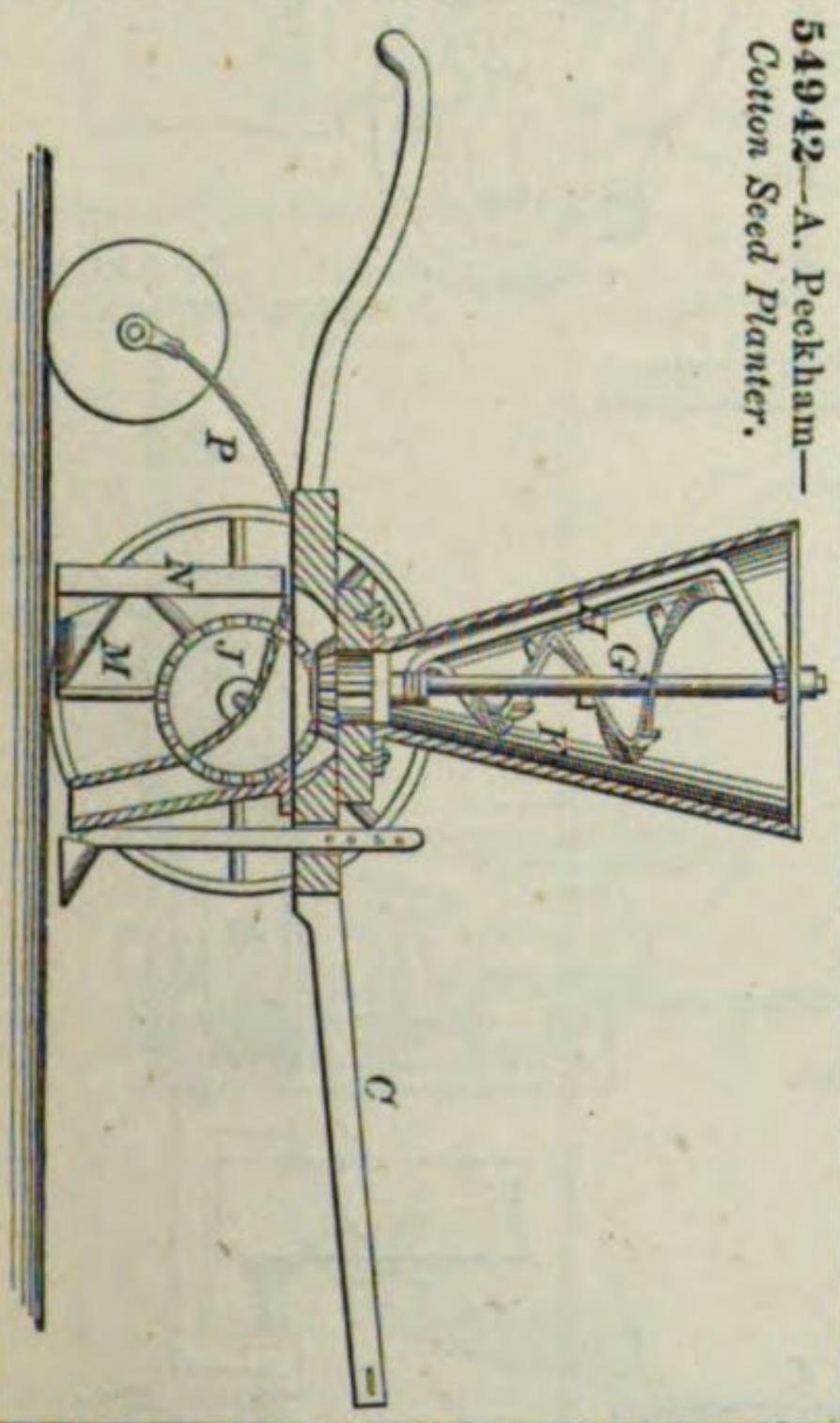
54937—J. C. Miller—*Water Wheel.*



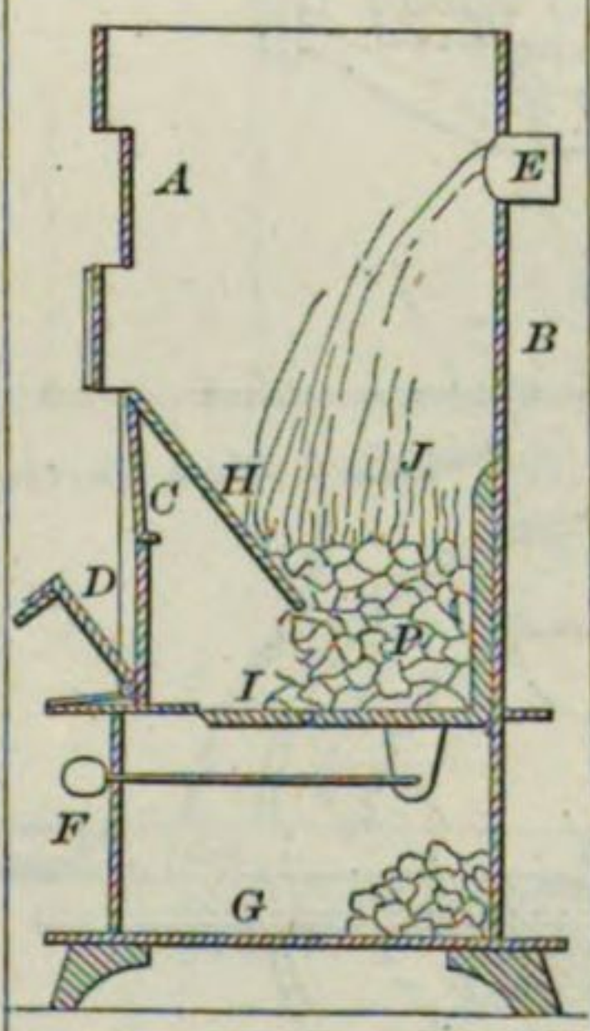
54939—C. Neuman—*For Attaching Claps to Skirt Hoops.*



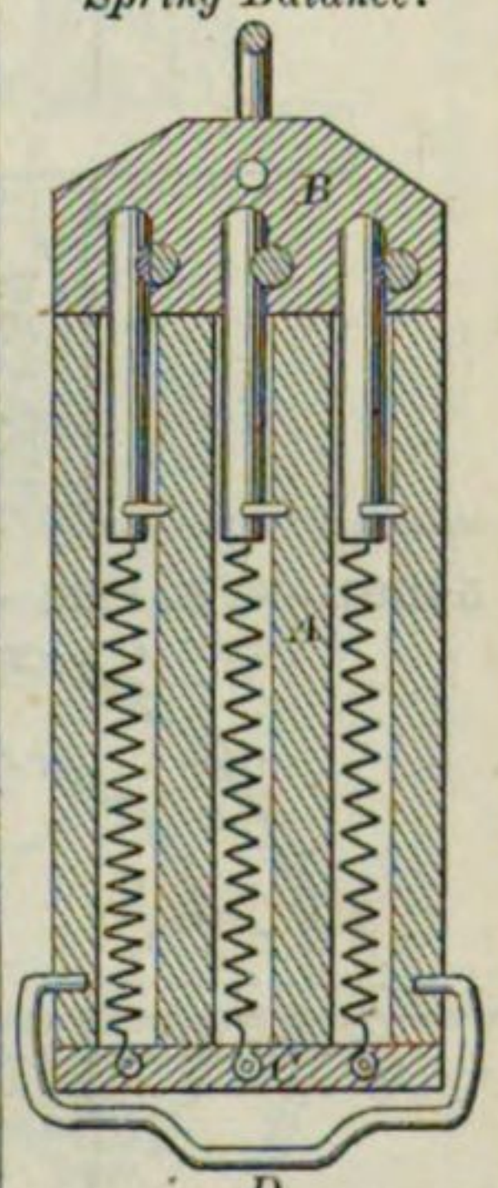
54942—A. Peckham—*Cotton Seed Planter.*



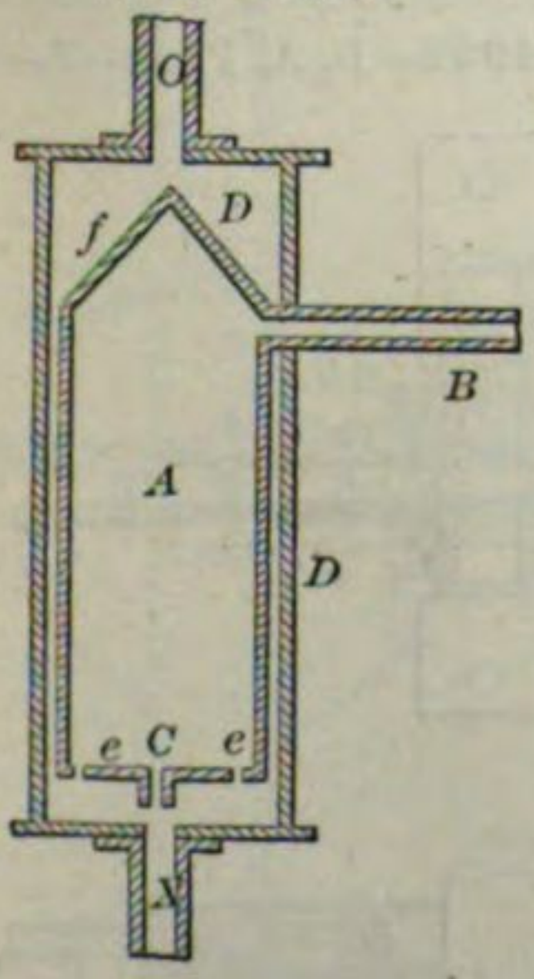
54938—G. R. Moore—*Heating Stove.*



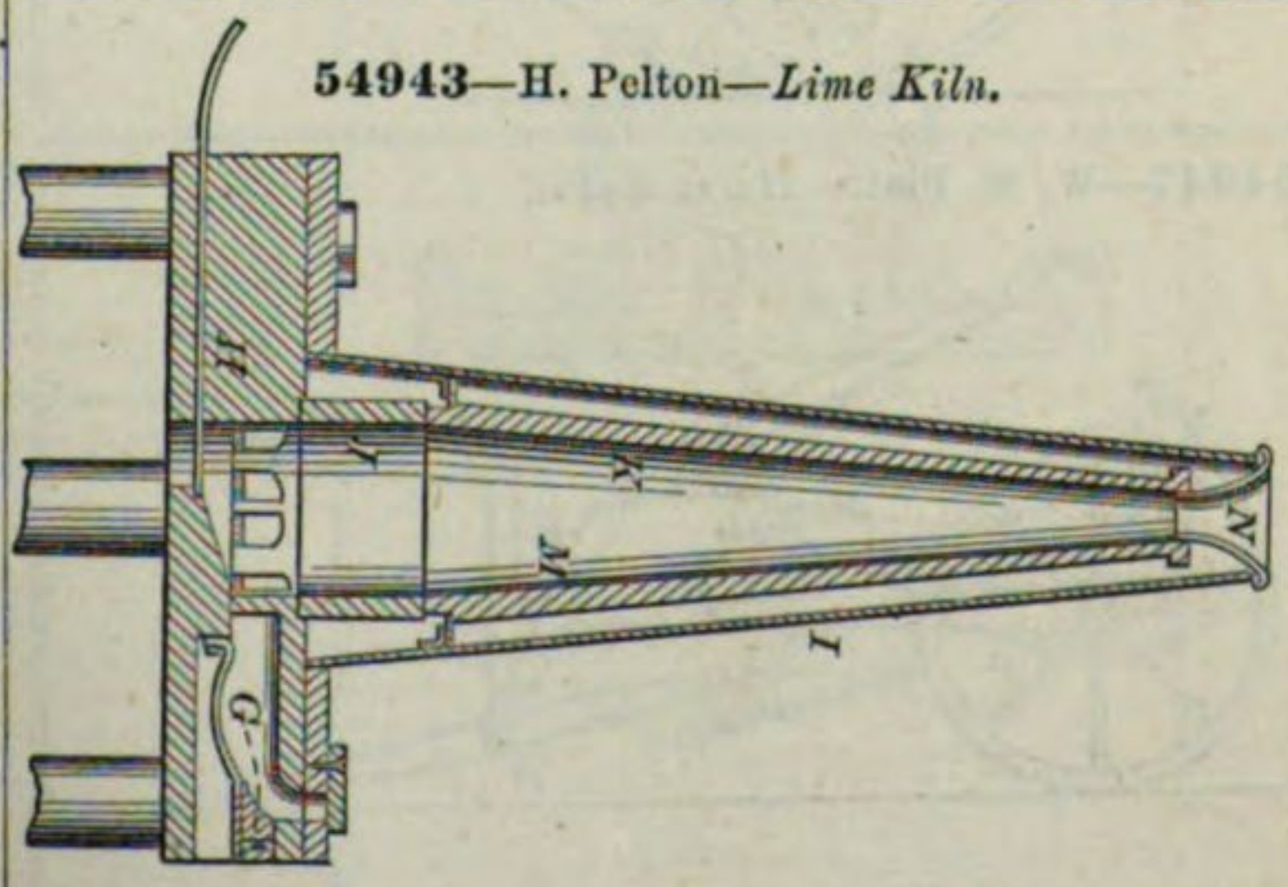
54941—J. K. O'Neil—*Spring Balance.*



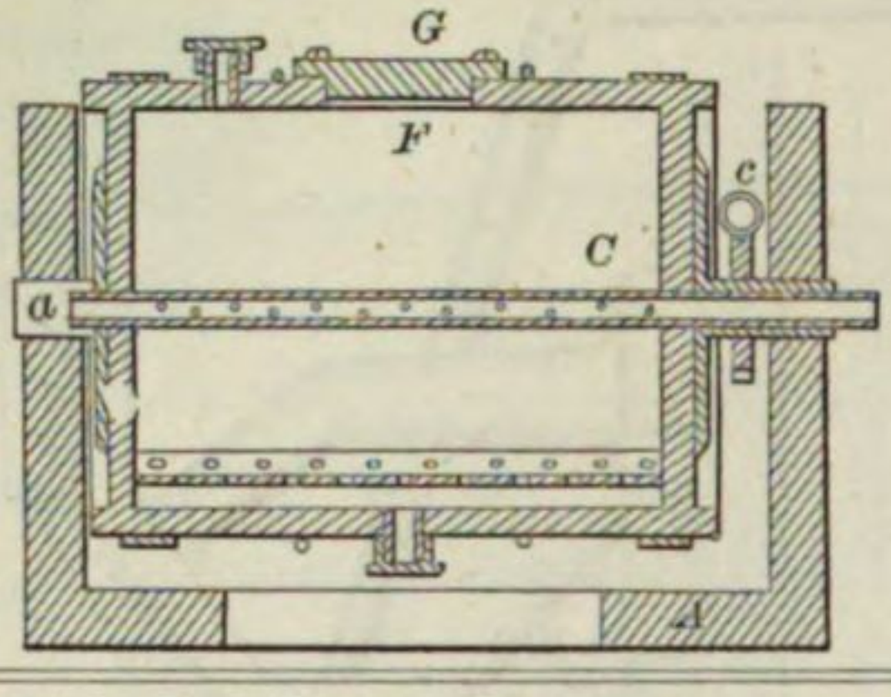
54940—J. Nicholson—*Feed Water Heater.*



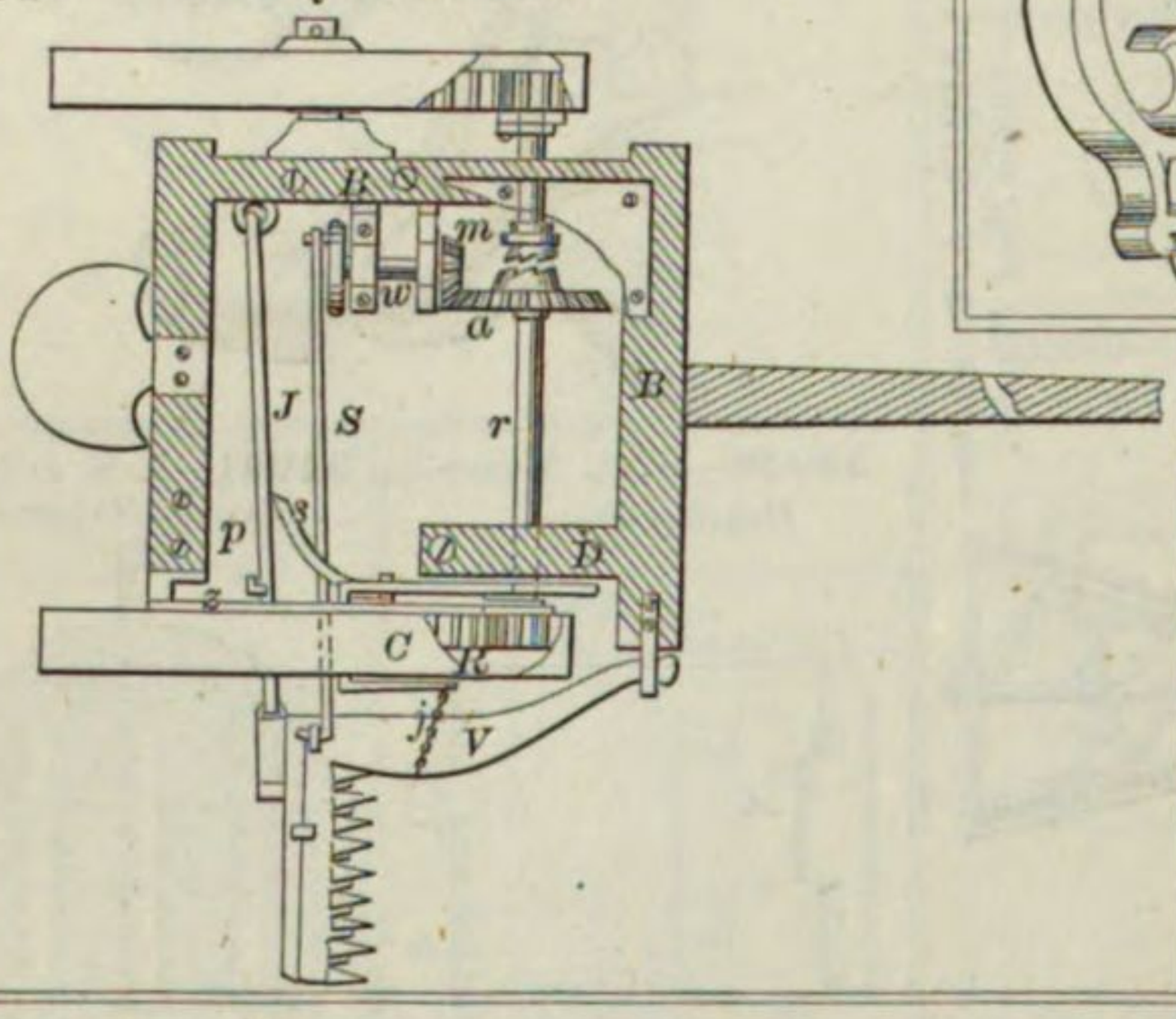
54943—H. Pelton—*Lime Kiln.*



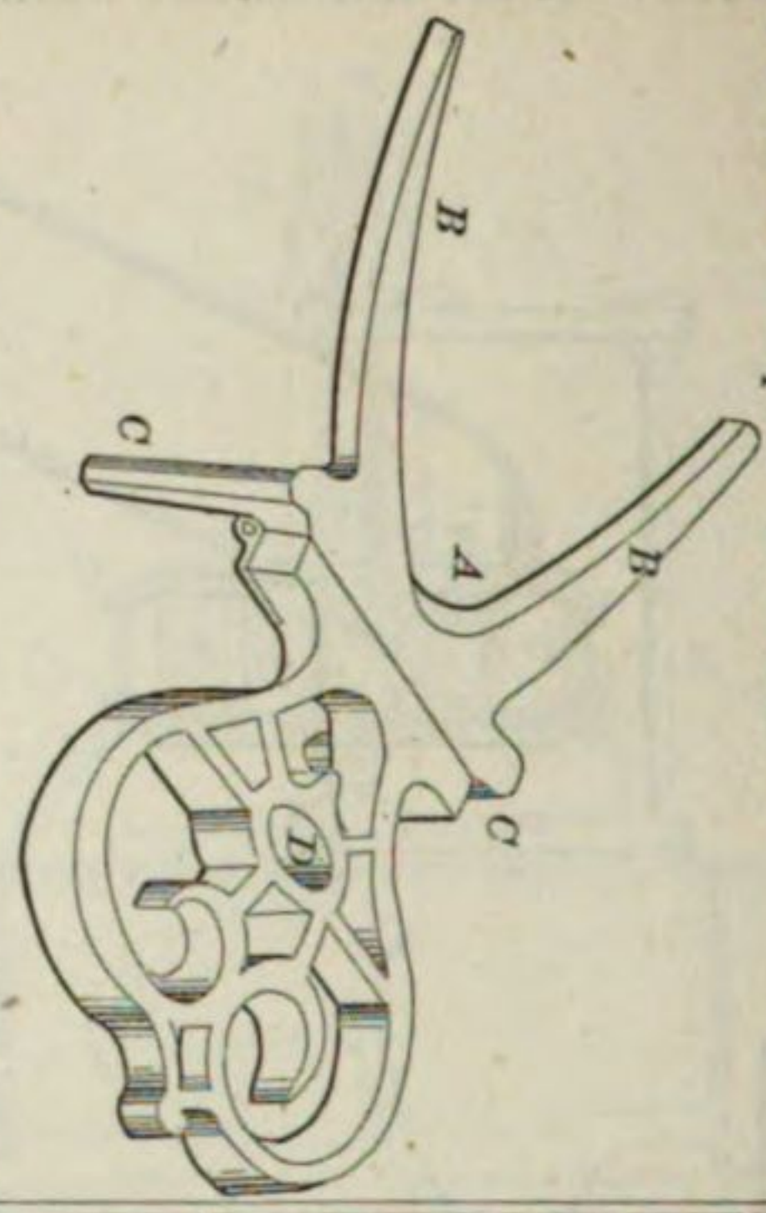
54945—Perry & Pierce—*For Making Extracts from Bark, &c.*



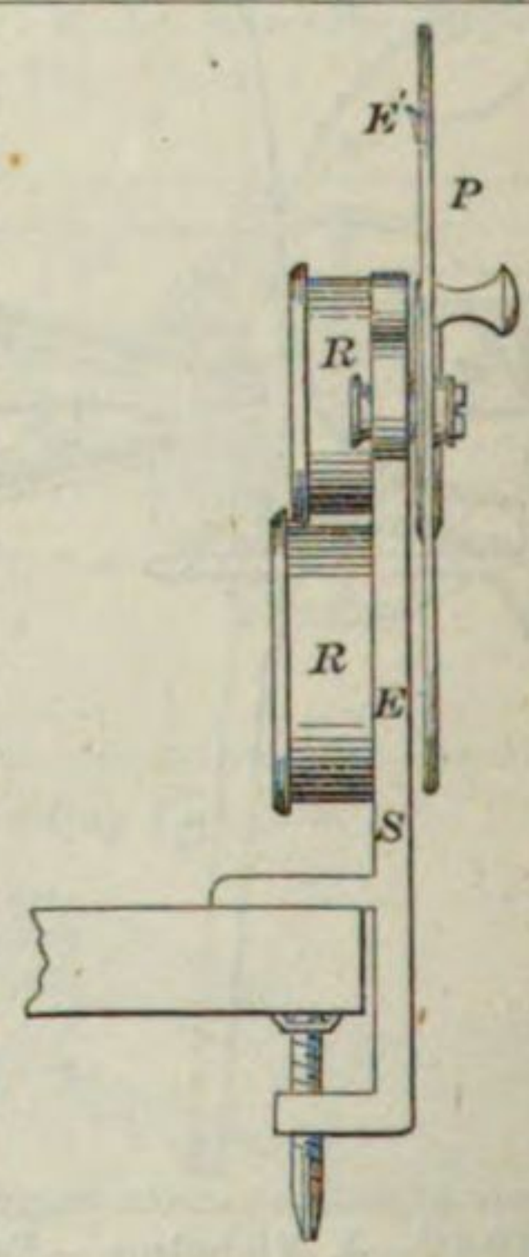
54946—J. G. Perry—*Harvester.*



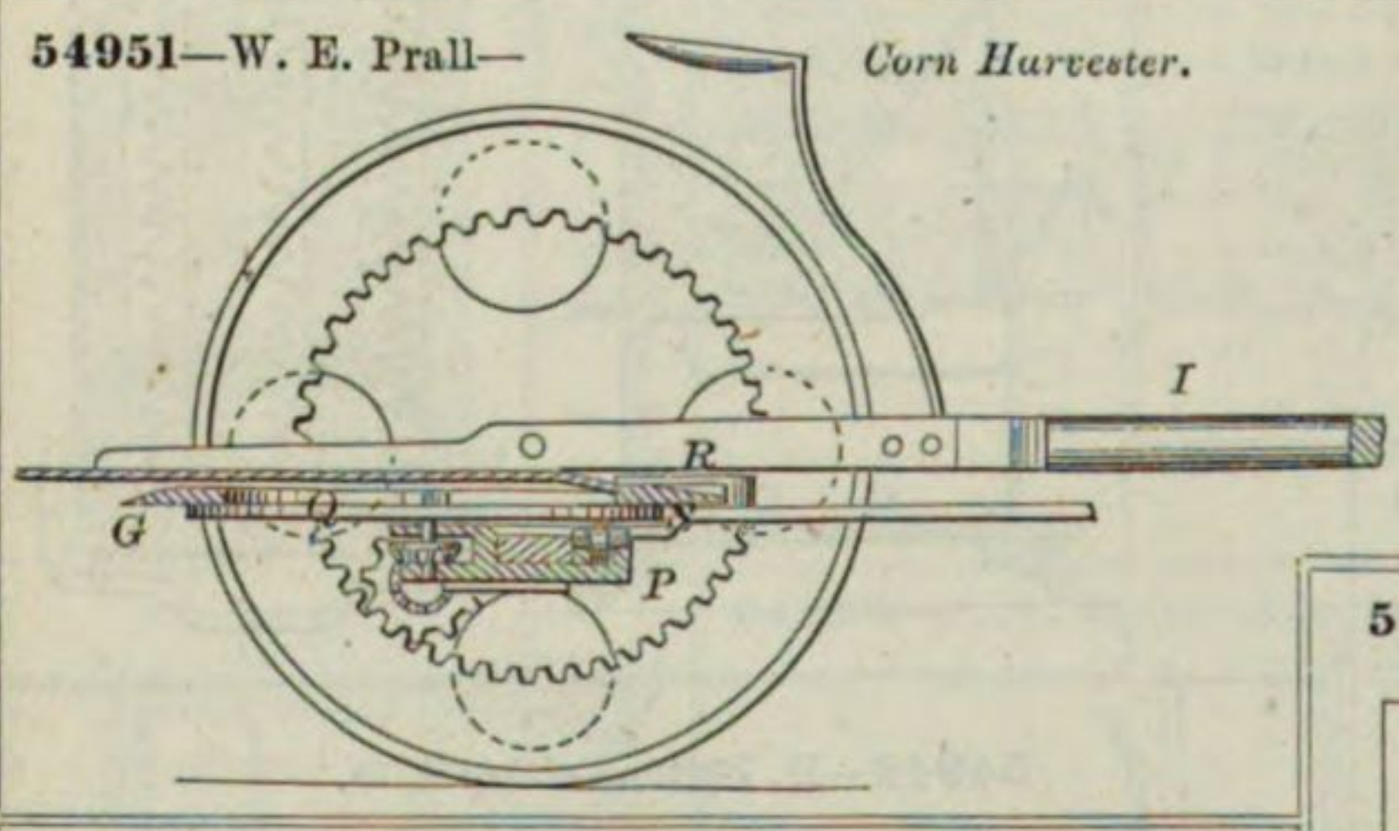
54948—A. Pierpont—*Boot Jack.*



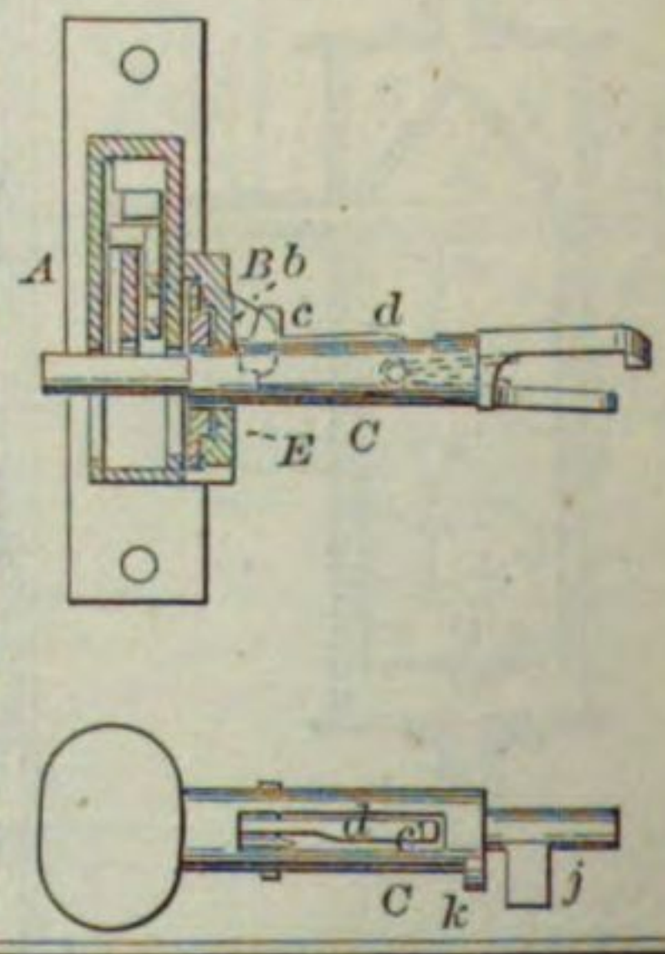
54949—J. C. Plumer—*Vegetable Slicer.*



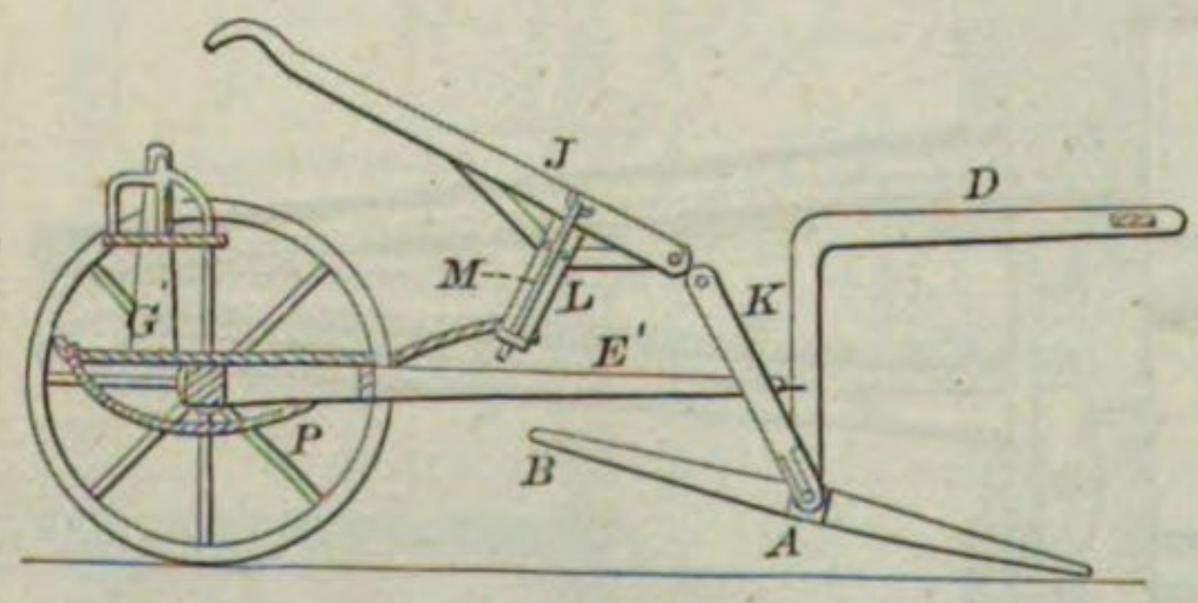
54951—W. E. Prall—*Corn Harvester.*



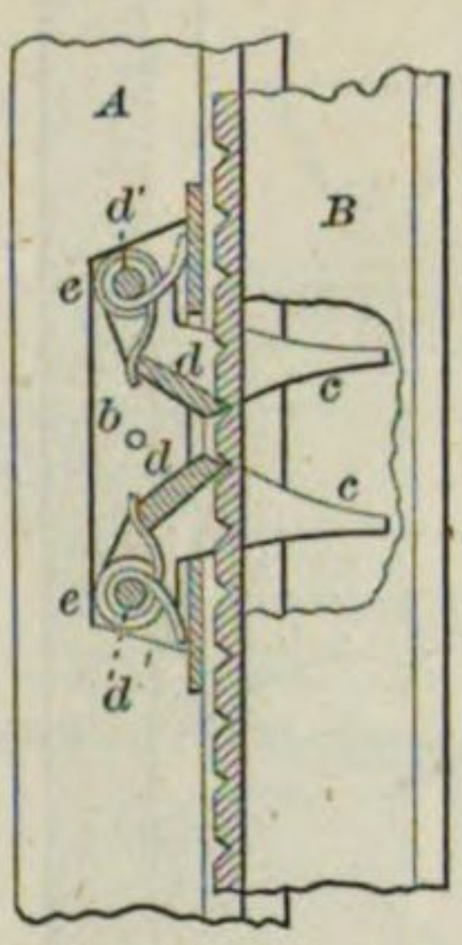
54952—D. A. Pratt—*Lock.*



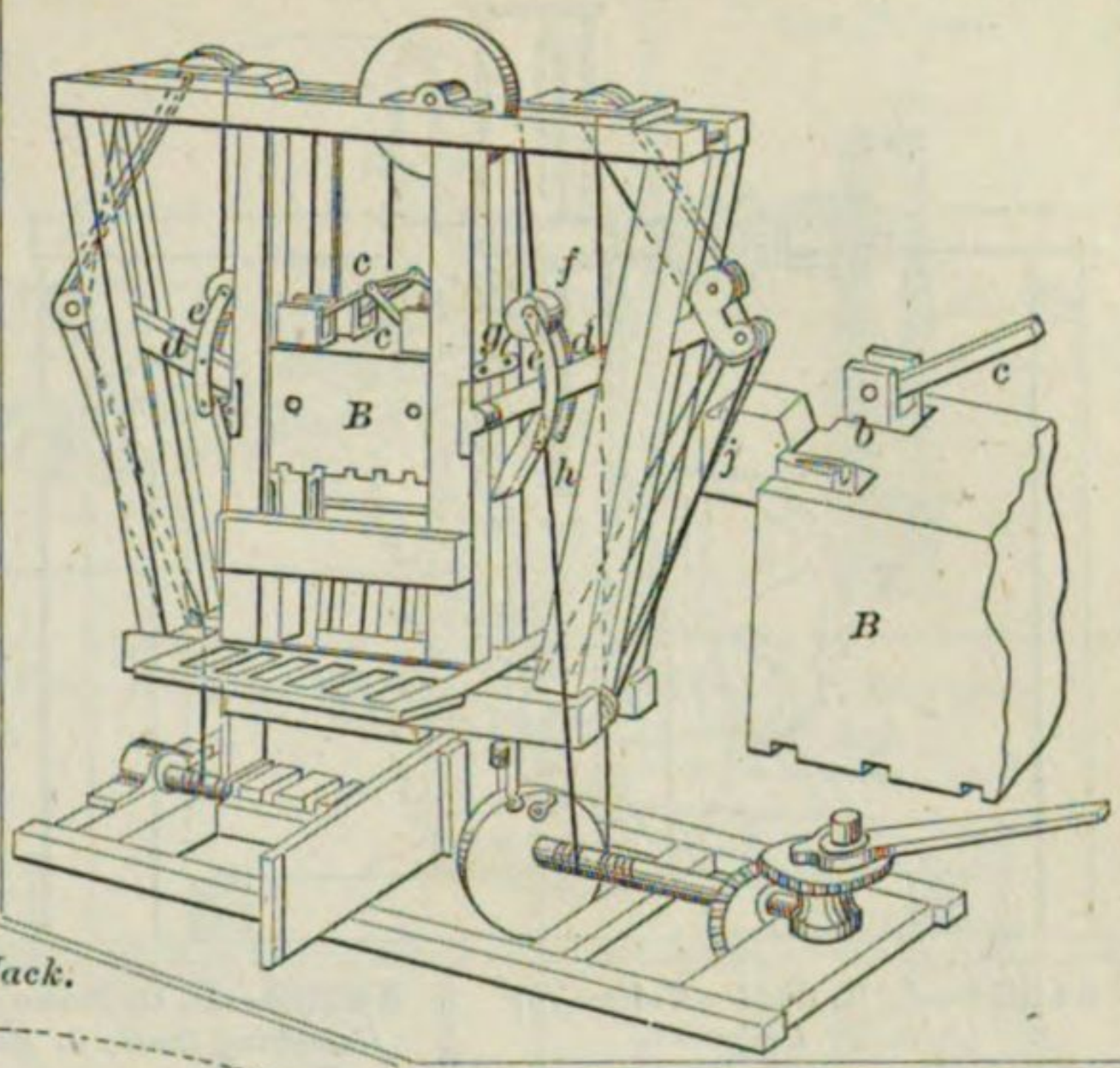
54947—W. M. Piatt—*Horse Rake.*



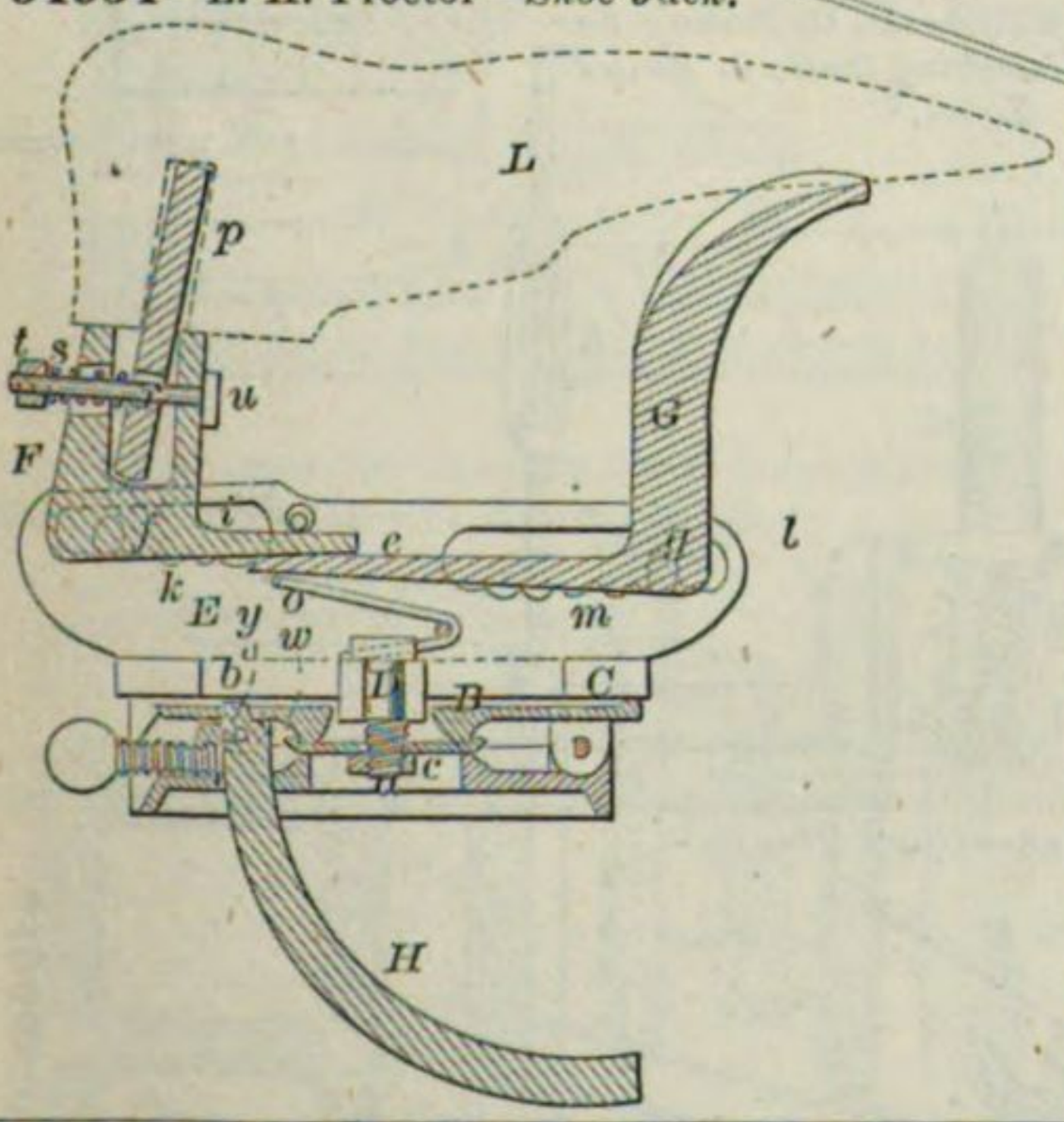
54953—D. A. Pratt—*Sash Fastening.*



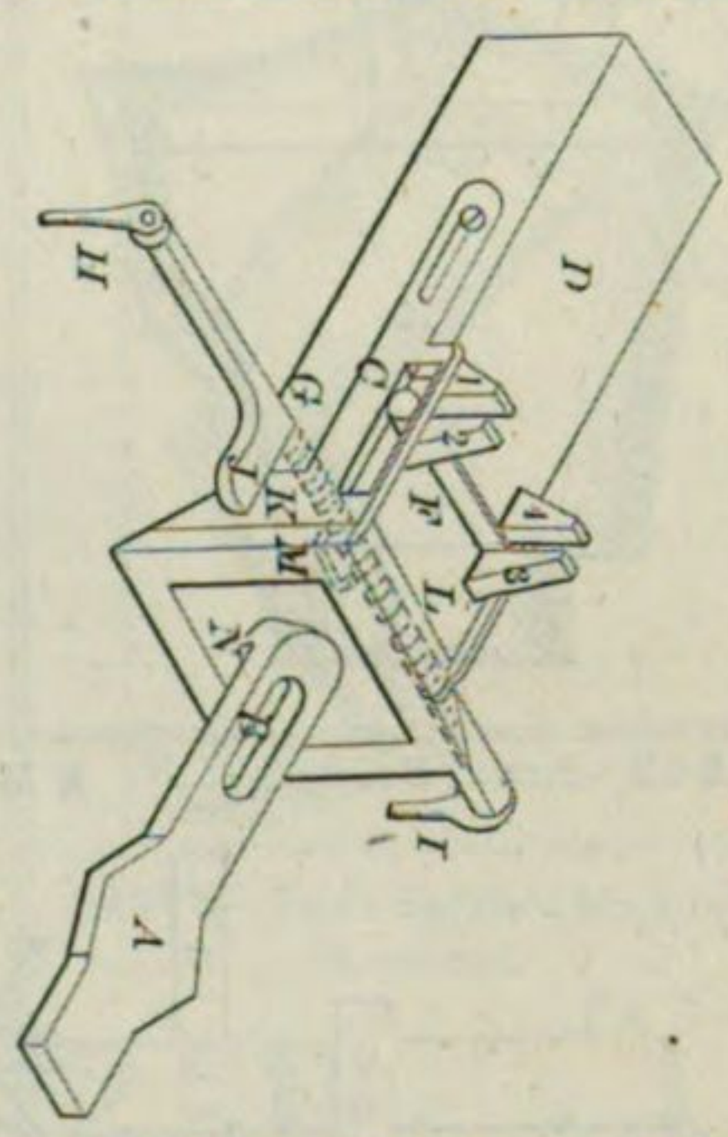
54956—Read, Read & Dorrell—*Hay and Cotton Press.*



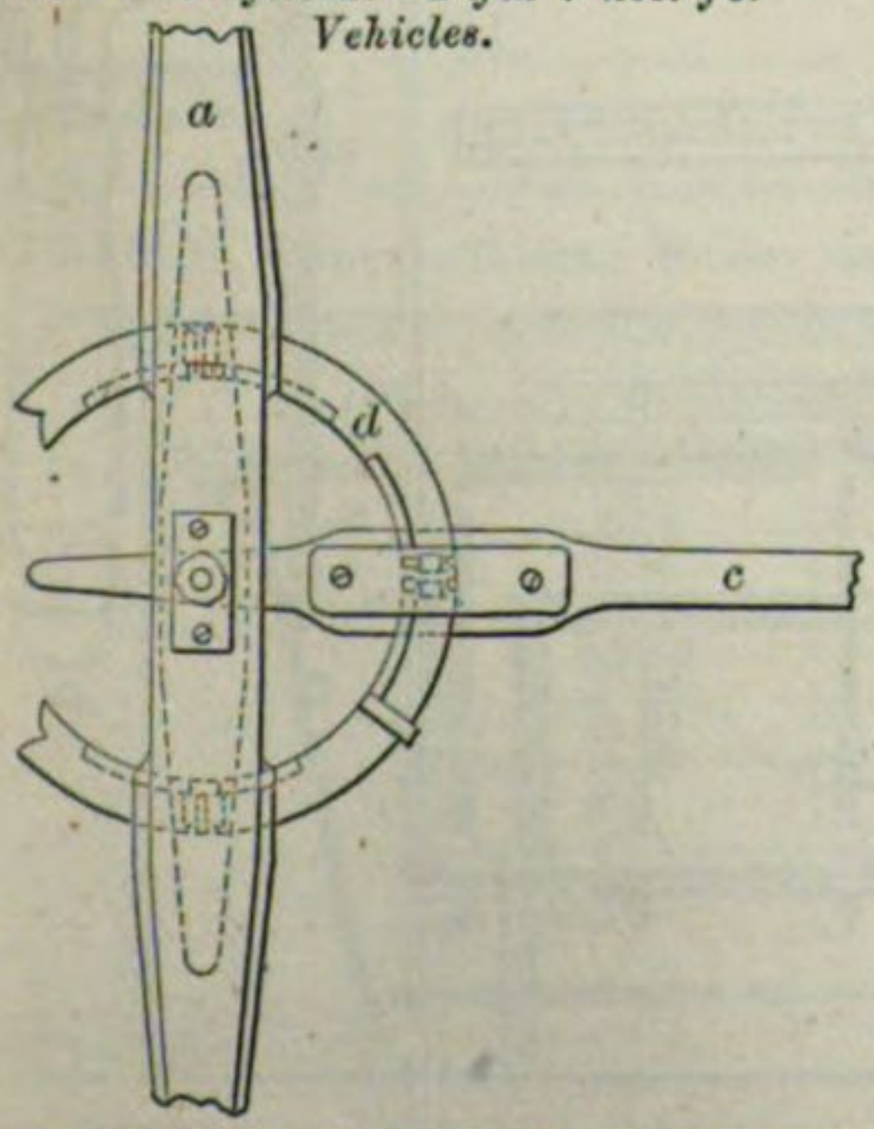
54954—L. H. Proctor—*Shoe Jack.*



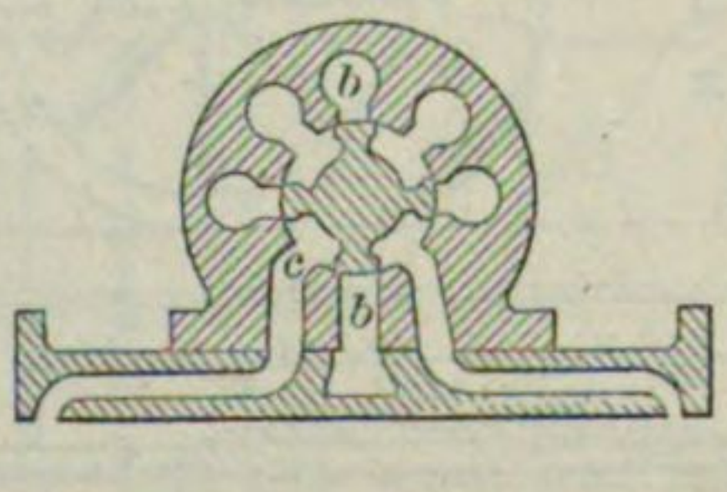
54955—Quick & Wallis—*Car Coupling.*



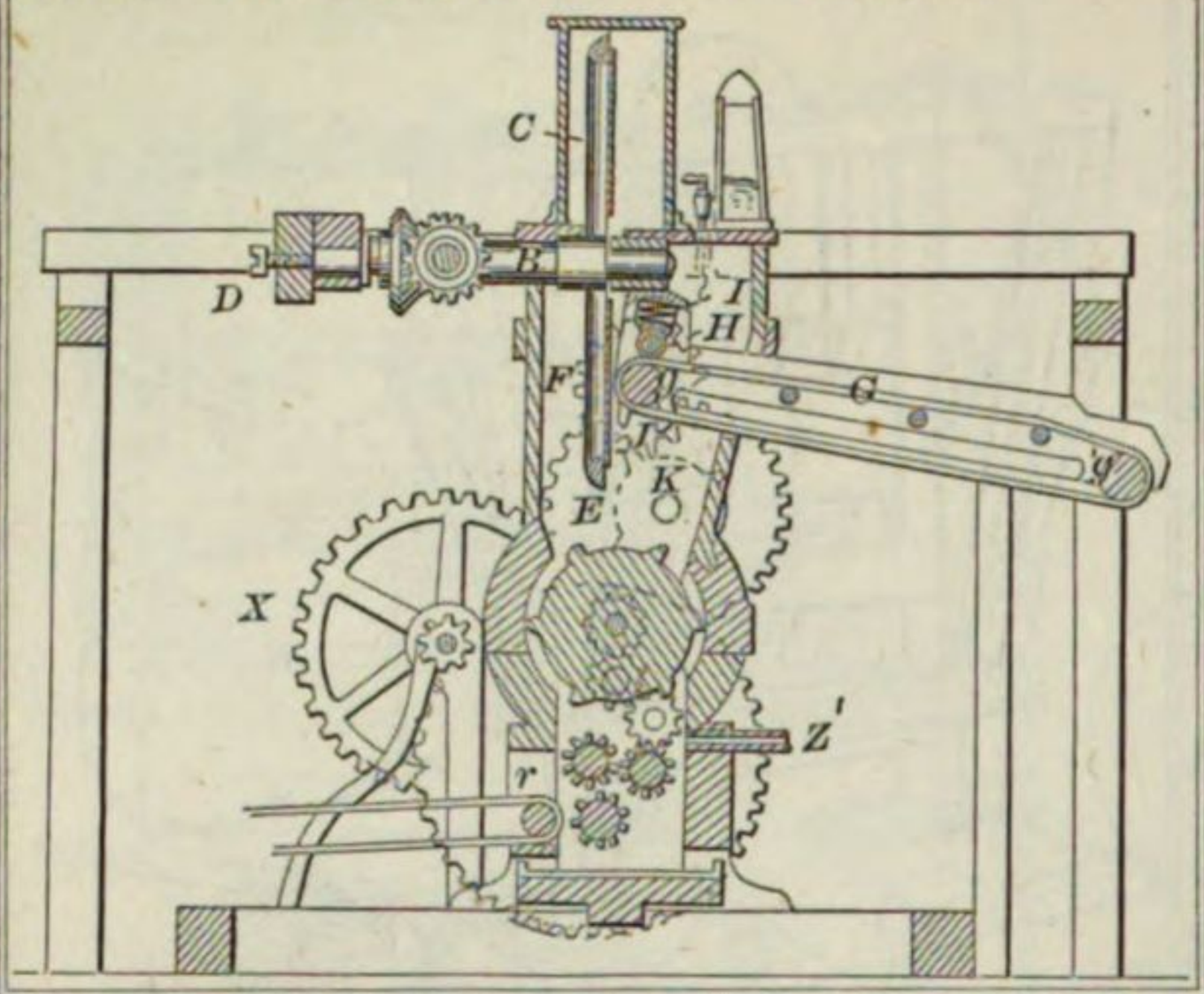
54958—U. Reynolds—*Fifth Wheel for Vehicles.*



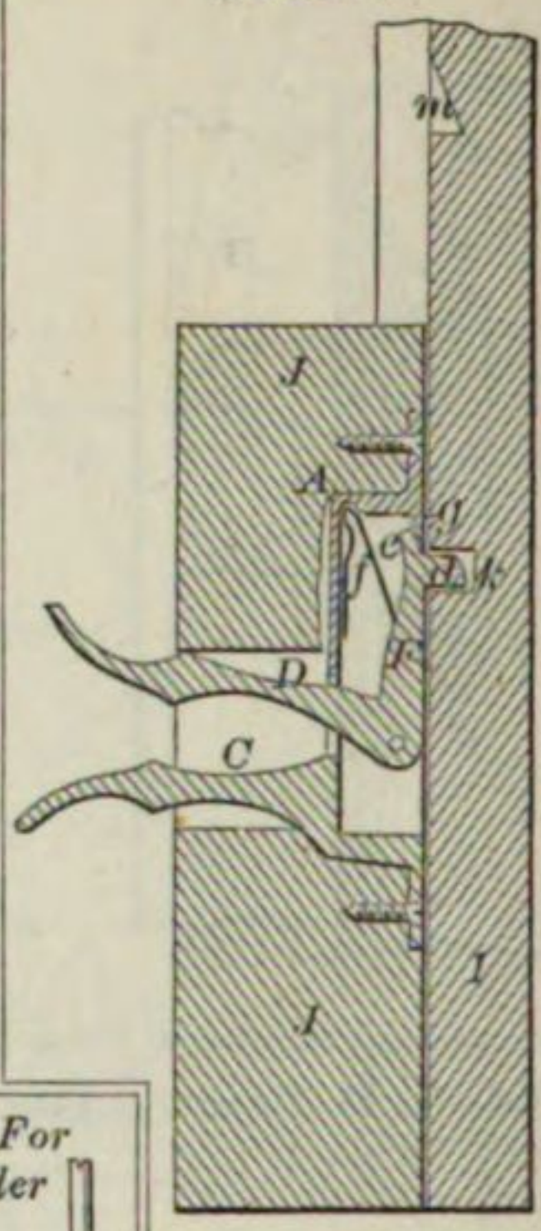
54959—T. Richards—*Balanced Valve for Steam Engines.*



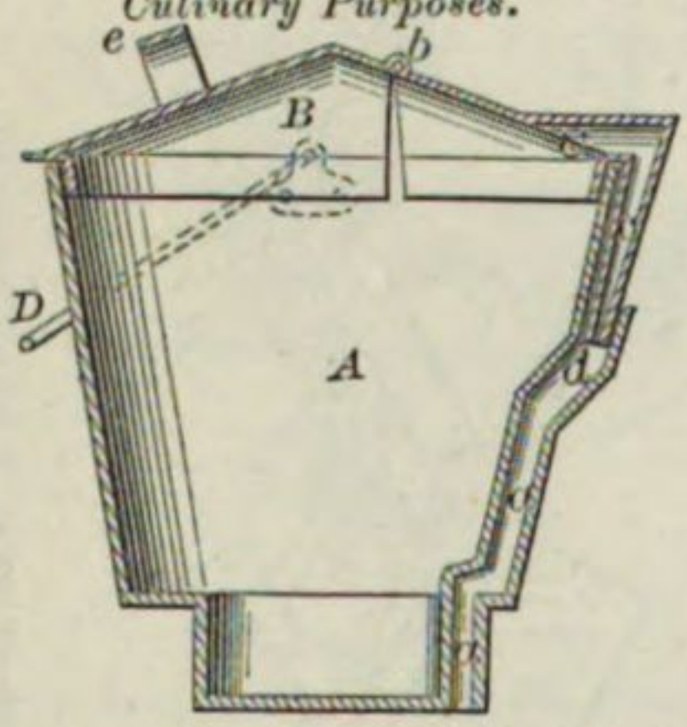
54960—Richardson, Davis & Howell—*Cane Mill.*



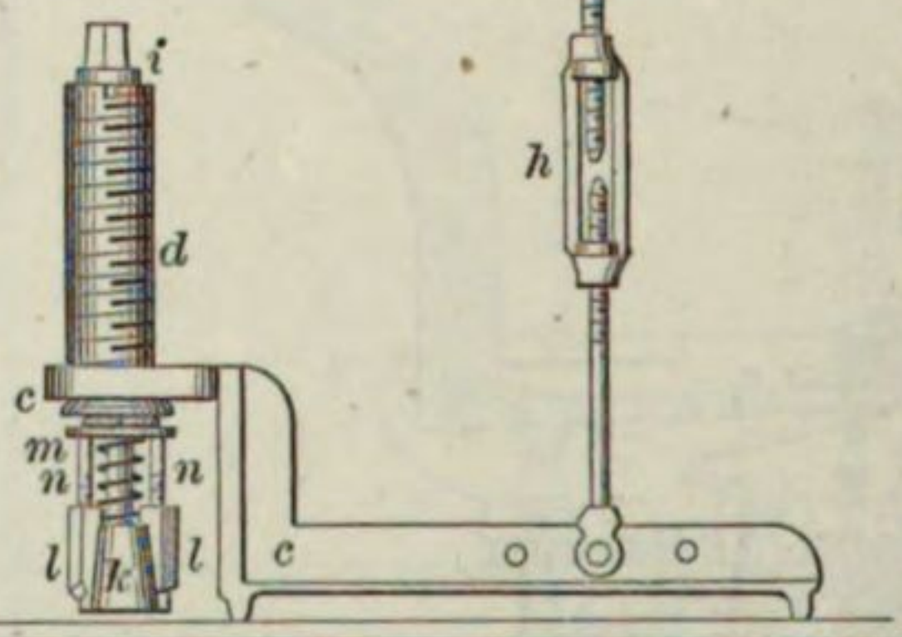
54961—W. J. Ross—*Sash Fastener.*



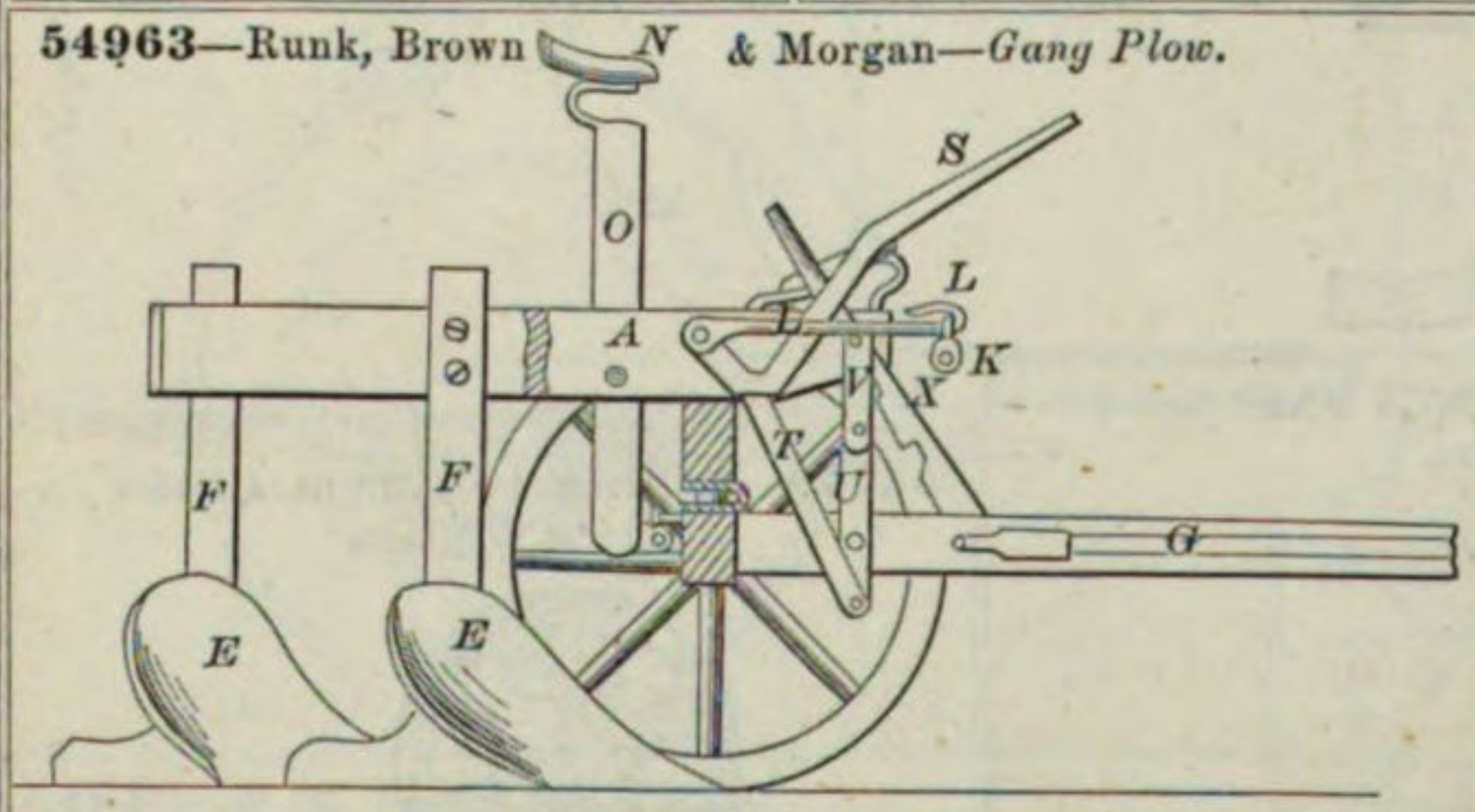
54964—S. E. Saul—*Boiler for Culinary Purposes.*



54962—P. C. Rowe—*For Removing Scale in Boiler Tubes.*

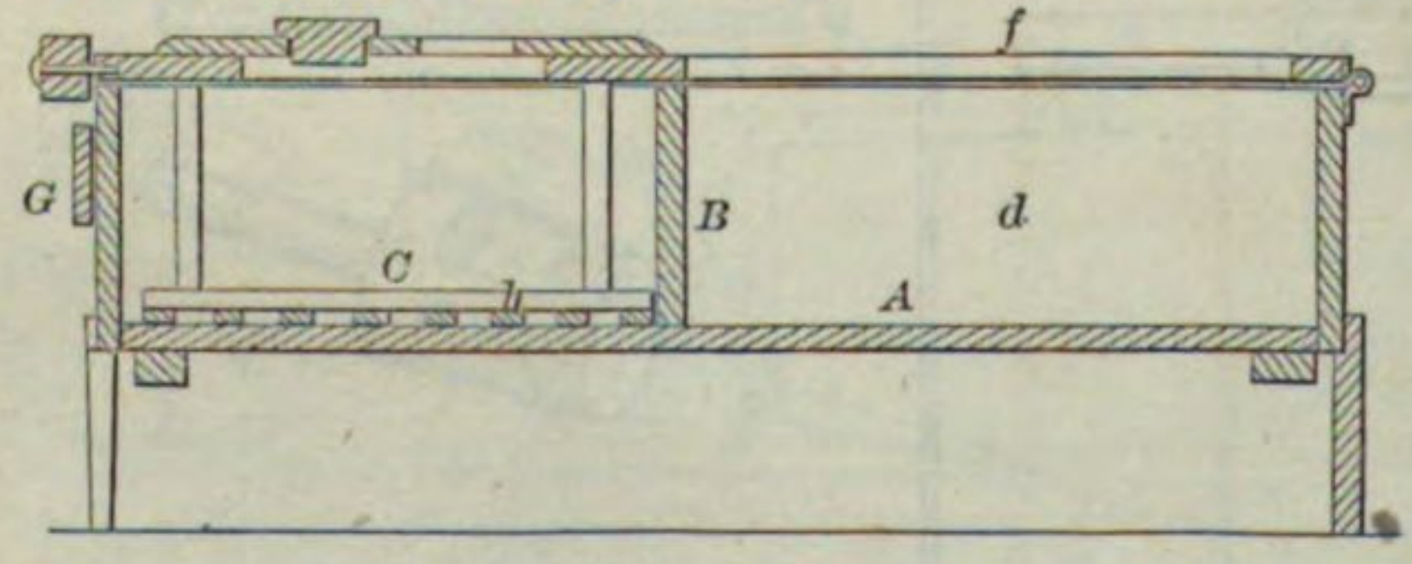


54963—Runk, Brown & Morgan—*Gang Plow.*

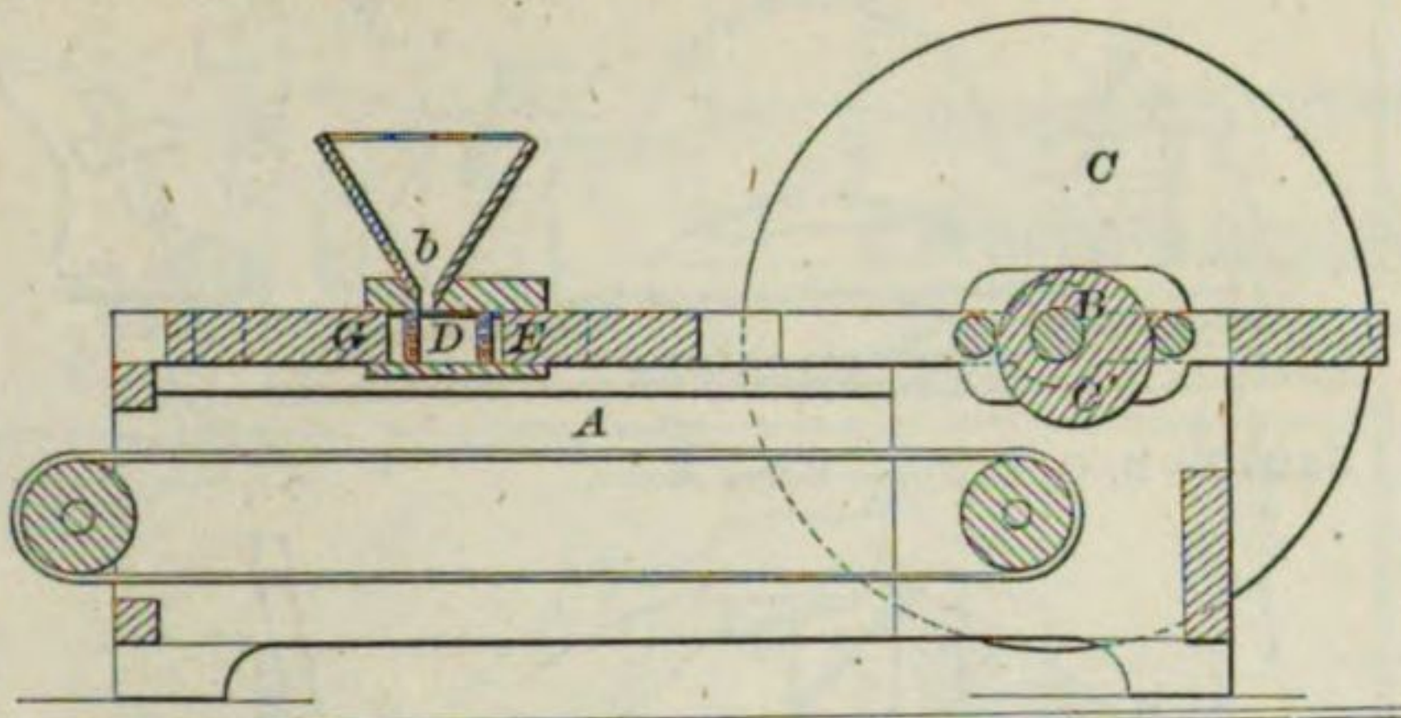


54966—C. C. E. Schwartz—*For Cutting Finger Nails.*

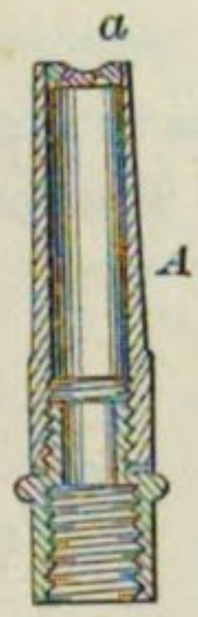
54965—E. Sawyer—*Washing Machine.*



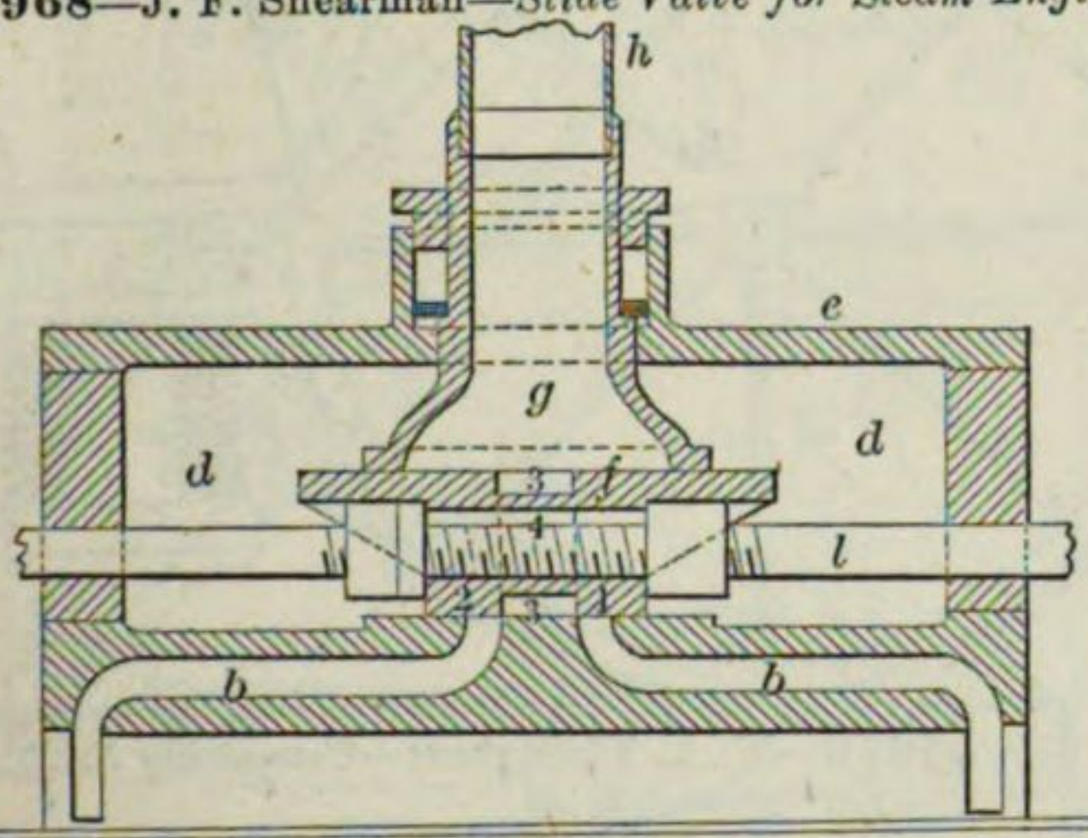
54967—D. W. Seeley—*Brick Press.*



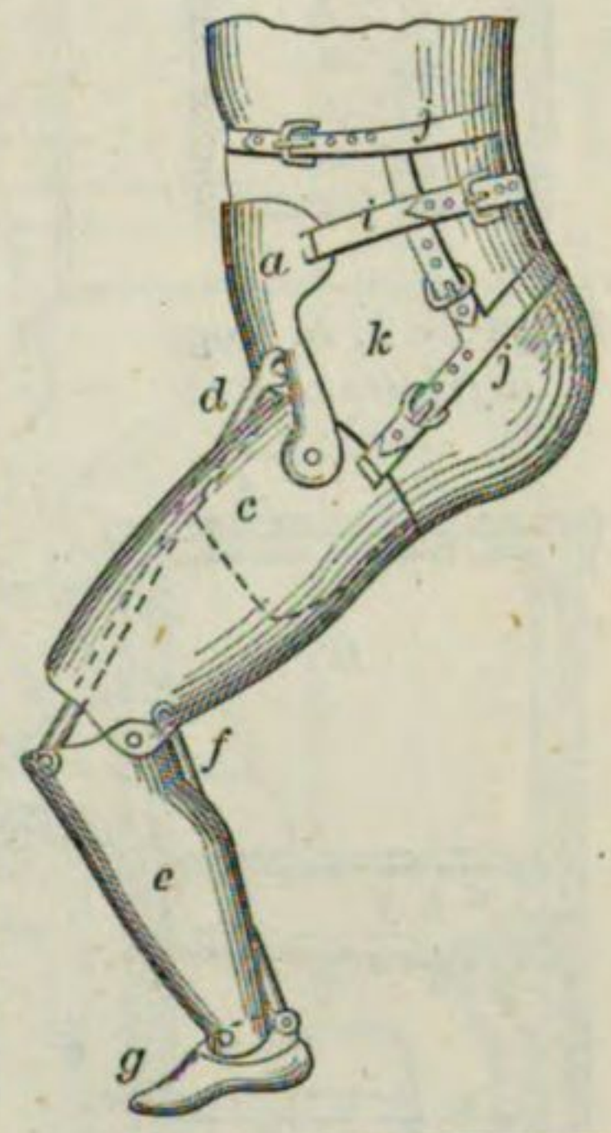
54971—J. L. Smith—*Gas Burner.*



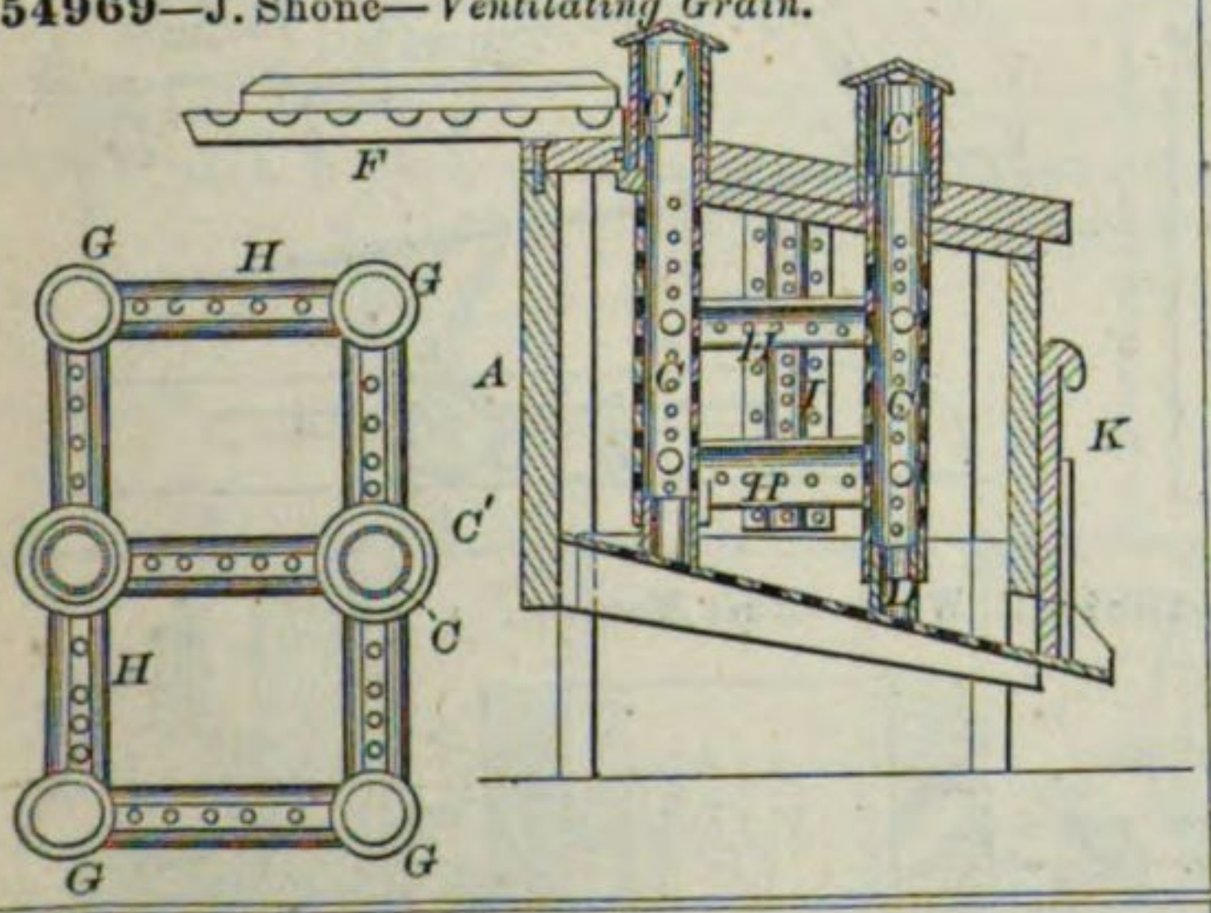
54968—J. F. Shearman—*Slide Valve for Steam Engines.*



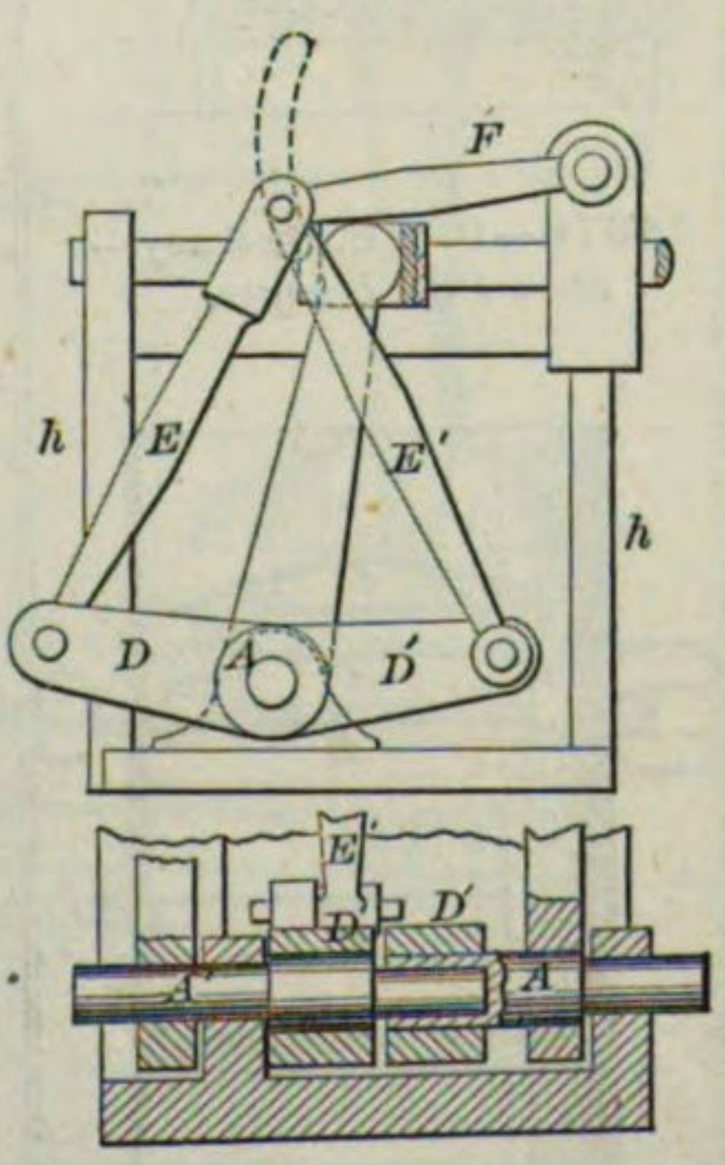
54970—S. P. Sleppy—*Artificial Leg.*



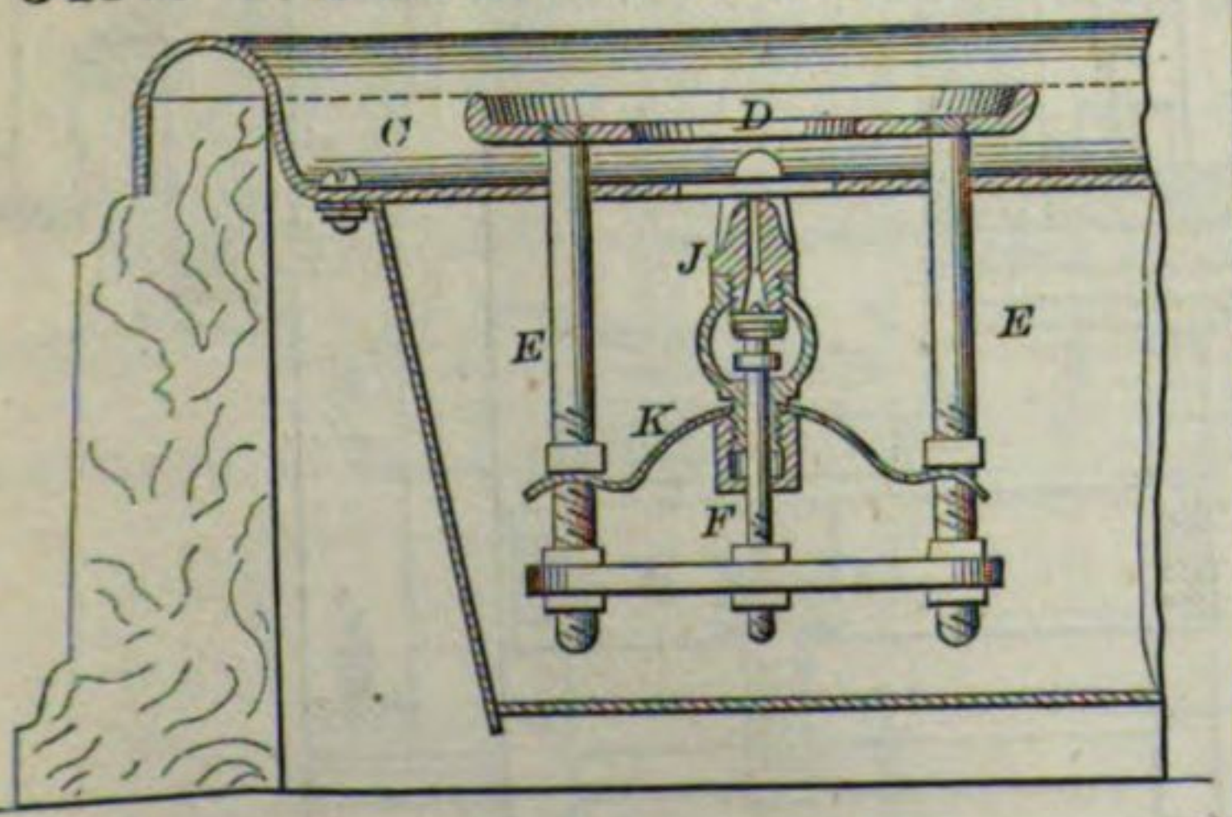
54969—J. Shone—*Ventilating Grain.*



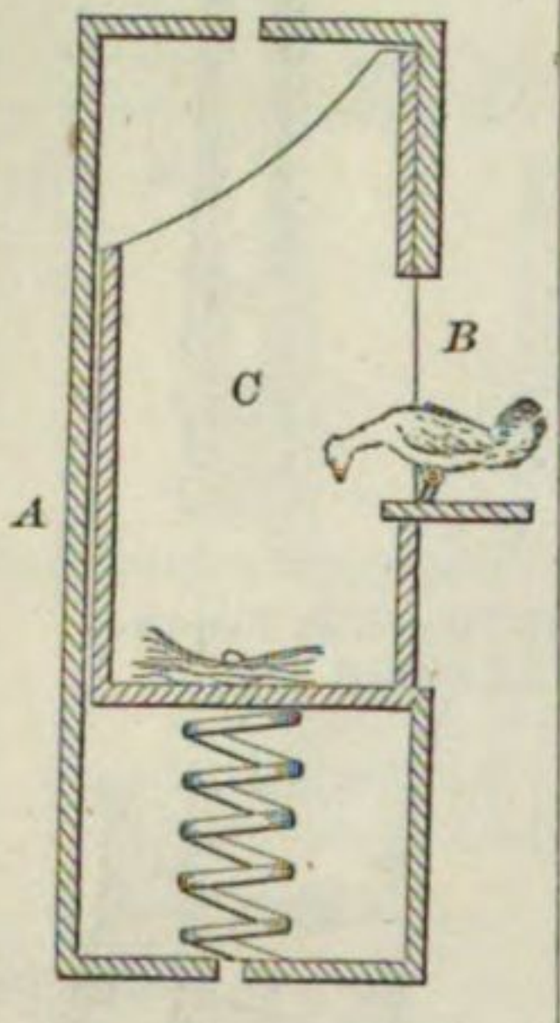
54972—P. J. Smith—*Mechanical Movement.*



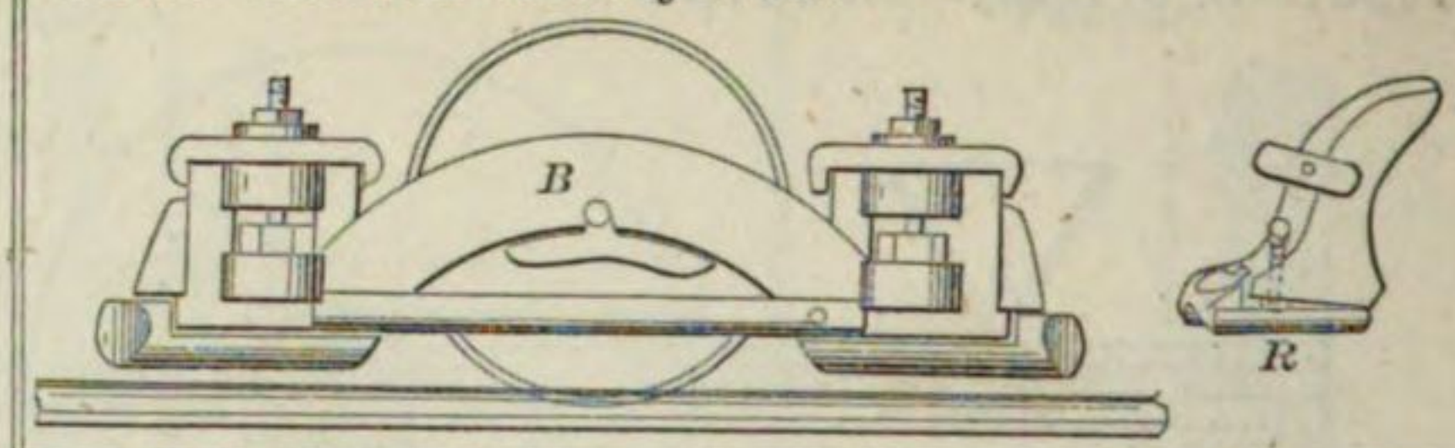
54973—D. M. Somers—*Tumbler Washer and Cooler.*



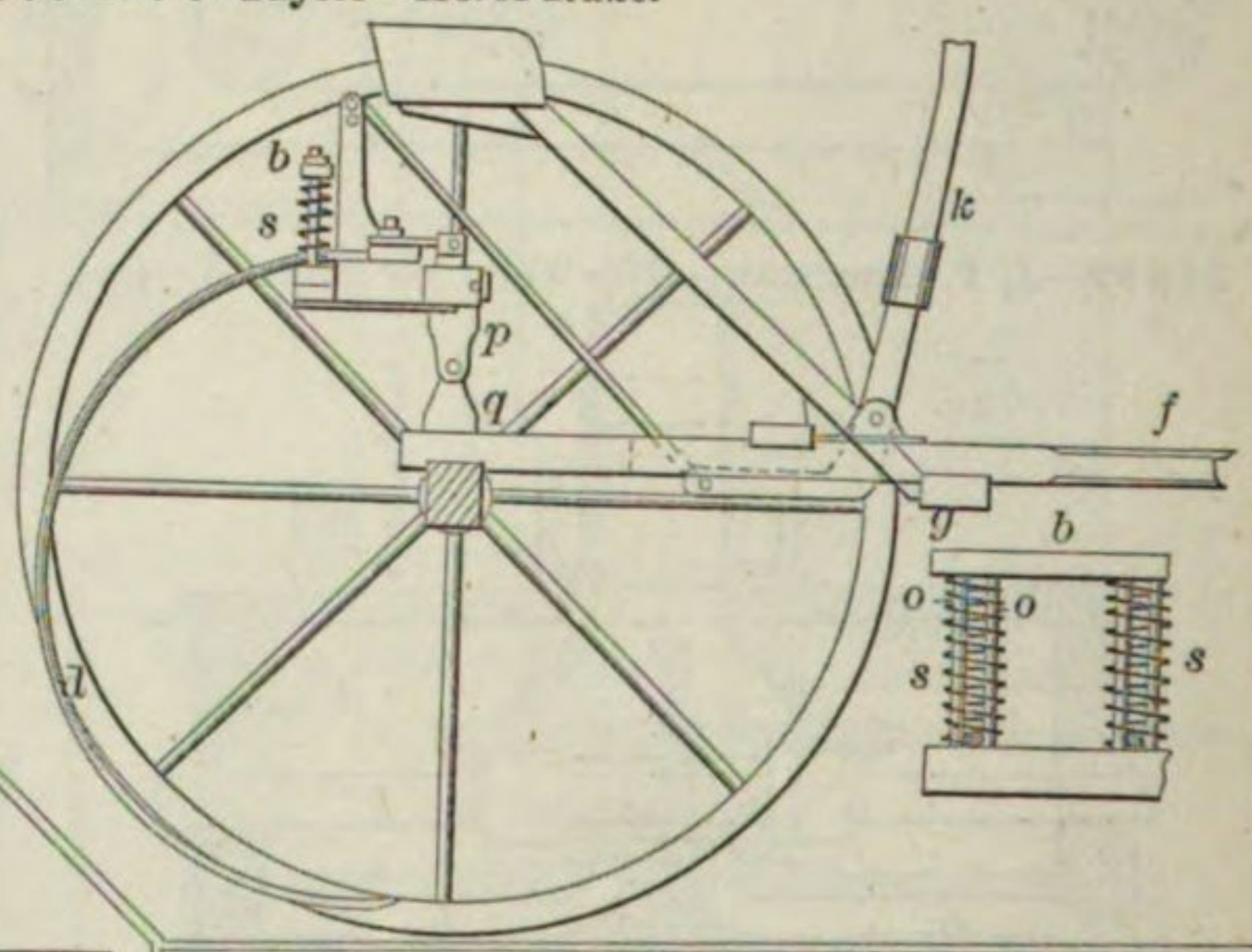
54974—H. Stevens—*Hen's Nest.*



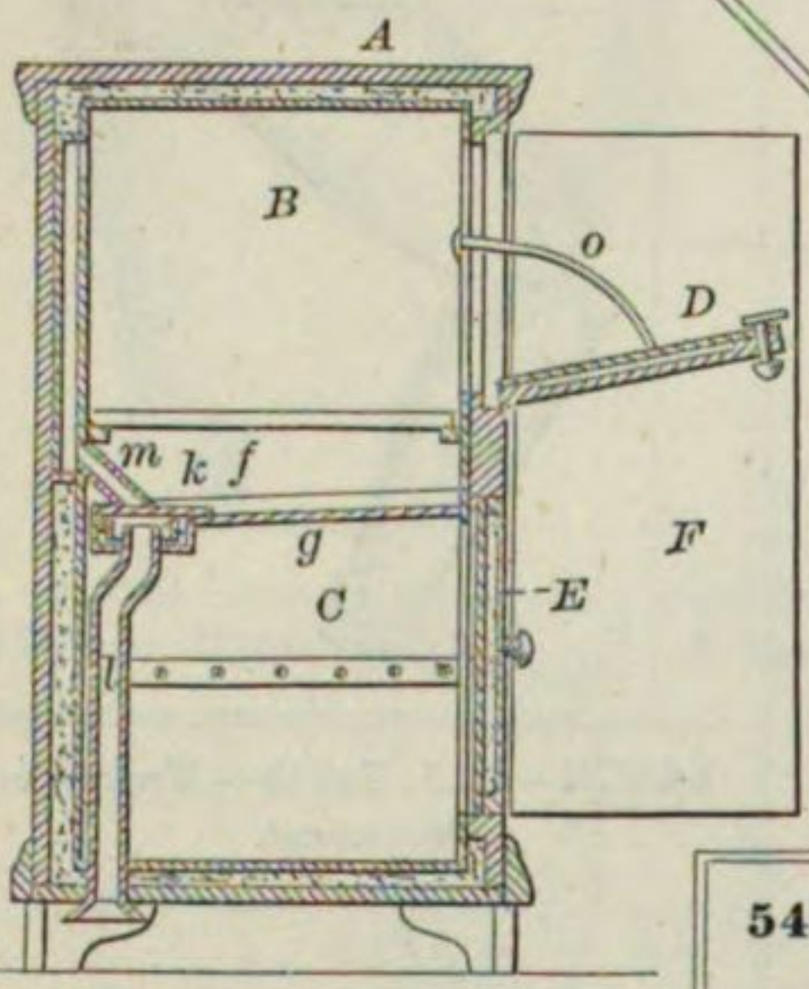
54975—H. Strait—*Railway Truck.*



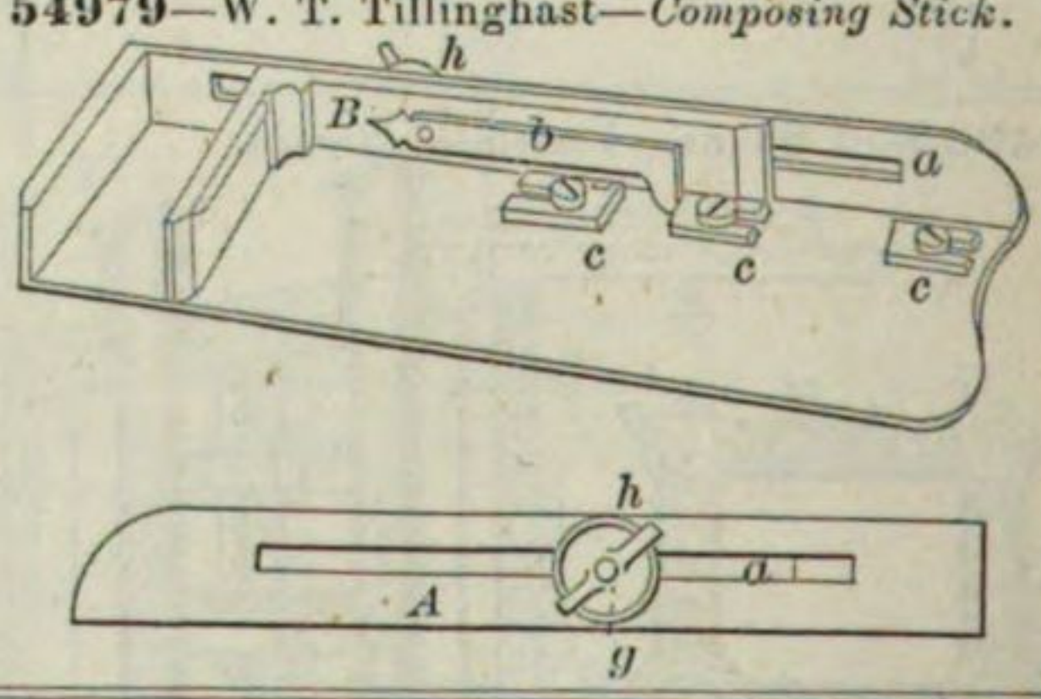
54977—B. C. Taylor—*Horse Rake.*



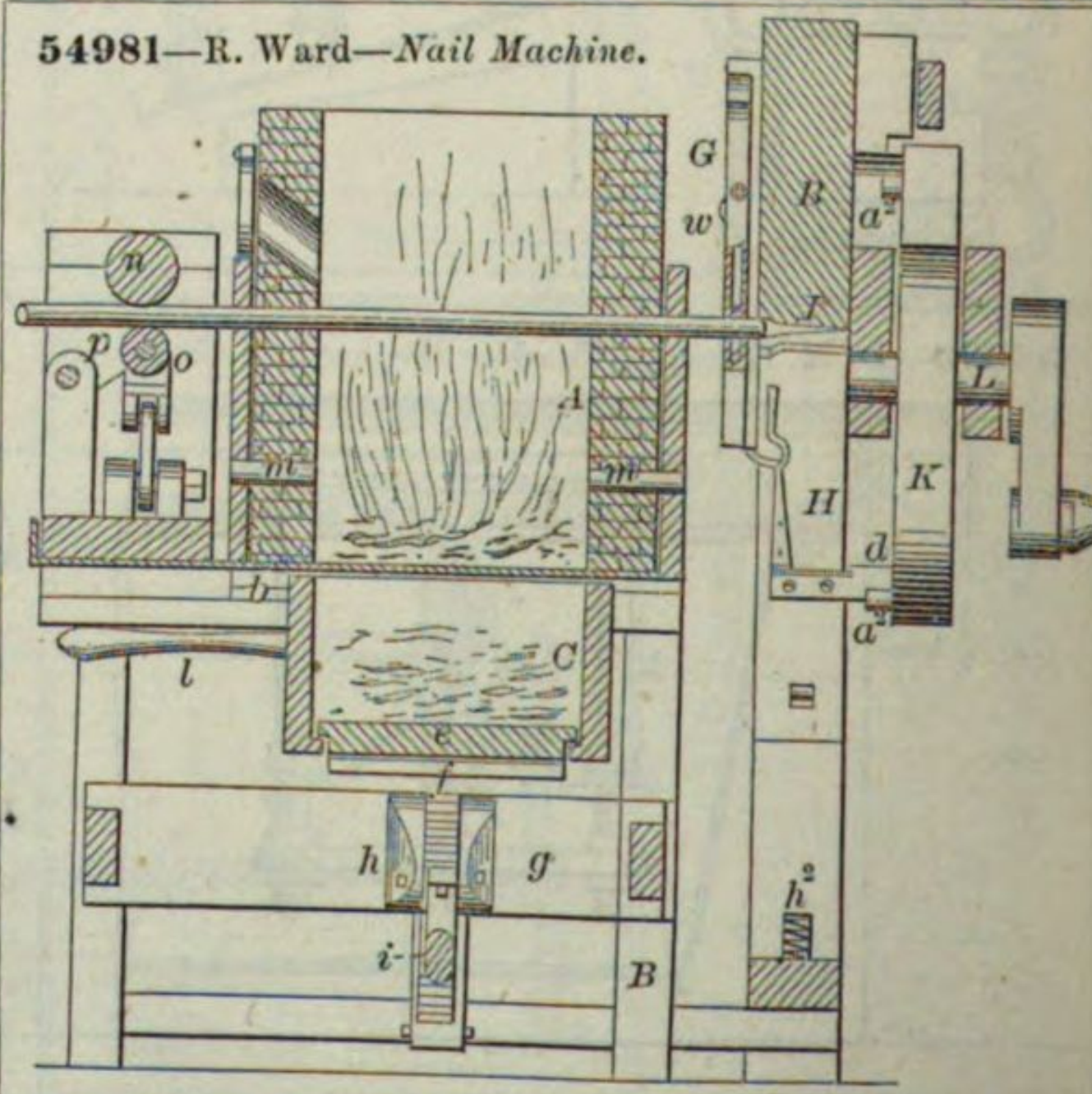
54980—P. A. Vogt—*Refrigerator.*



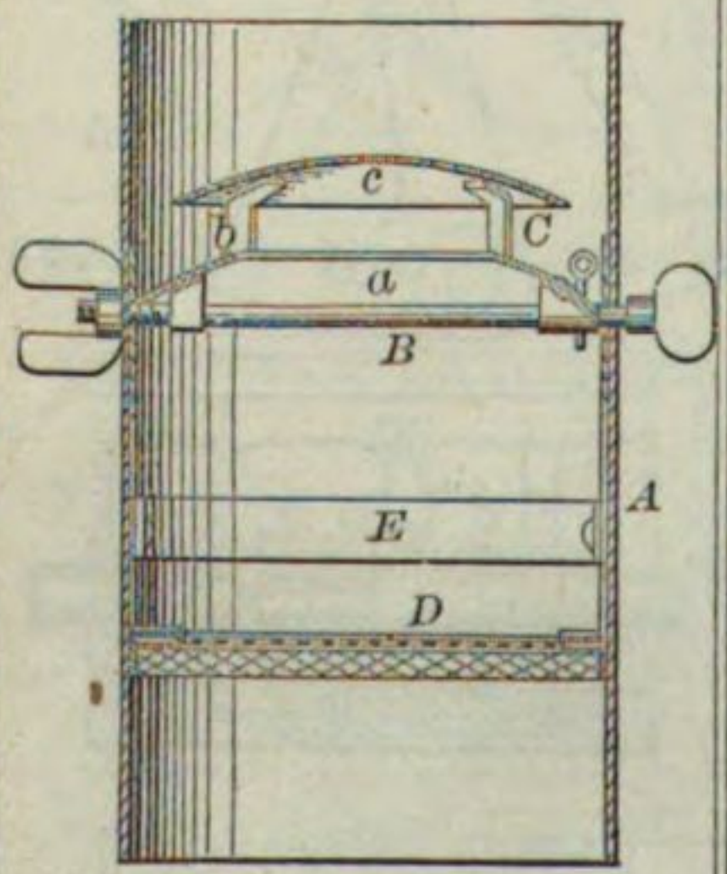
54979—W. T. Tillinghast—*Composing Stick.*



54981—R. Ward—*Nail Machine.*

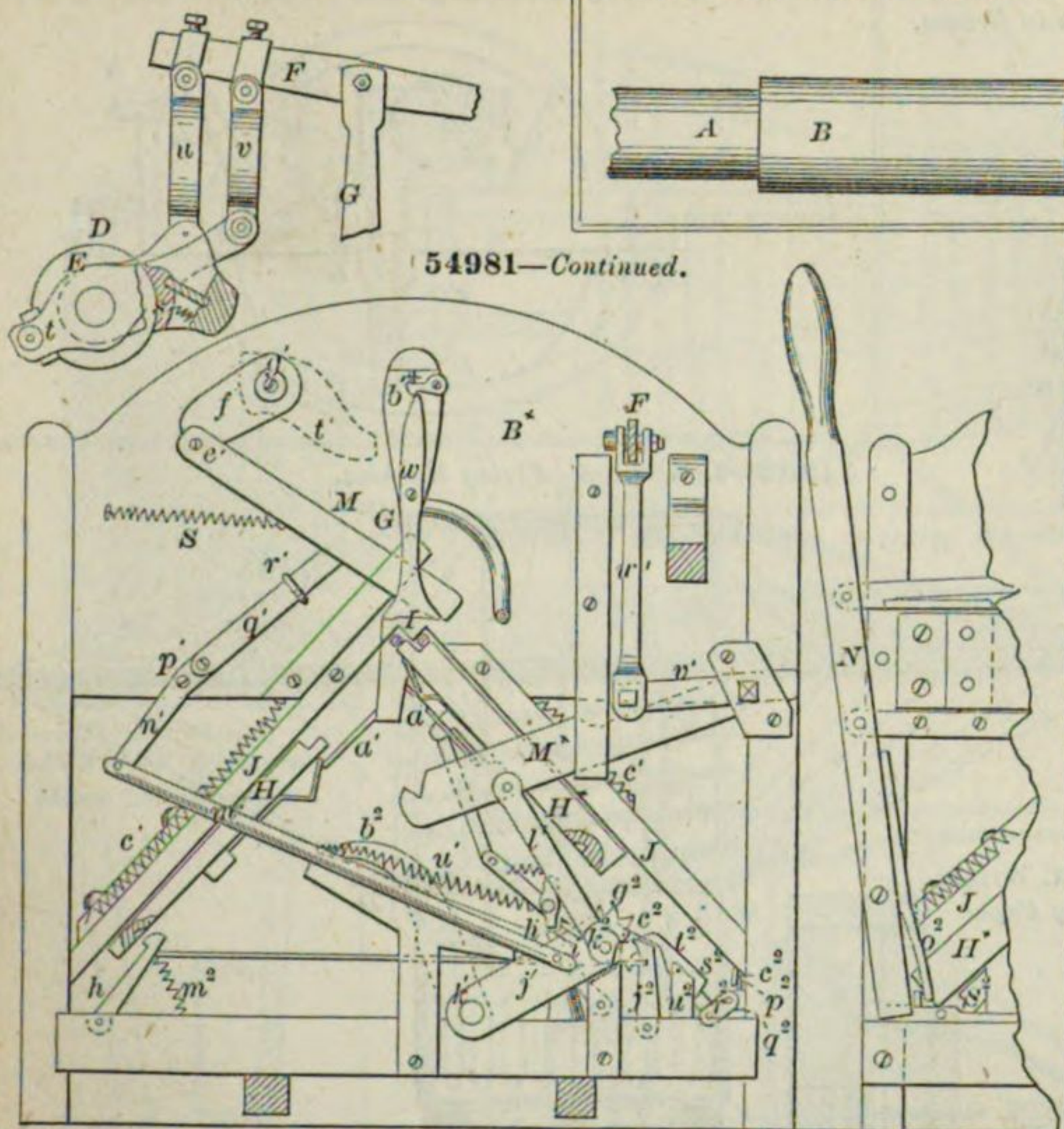


54976—D. & S. Sweeney—*Stove Pipe Damper.*

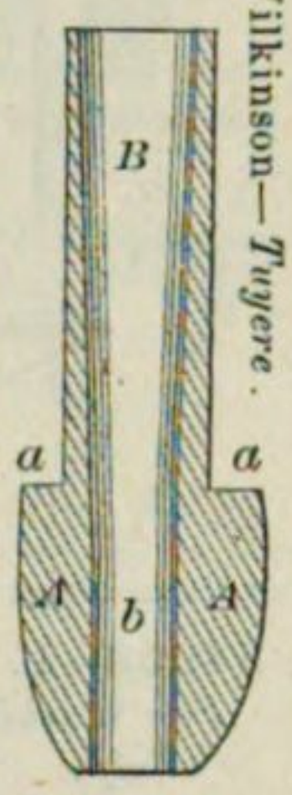


54982—O. G. Warren—*Rock Drill.*

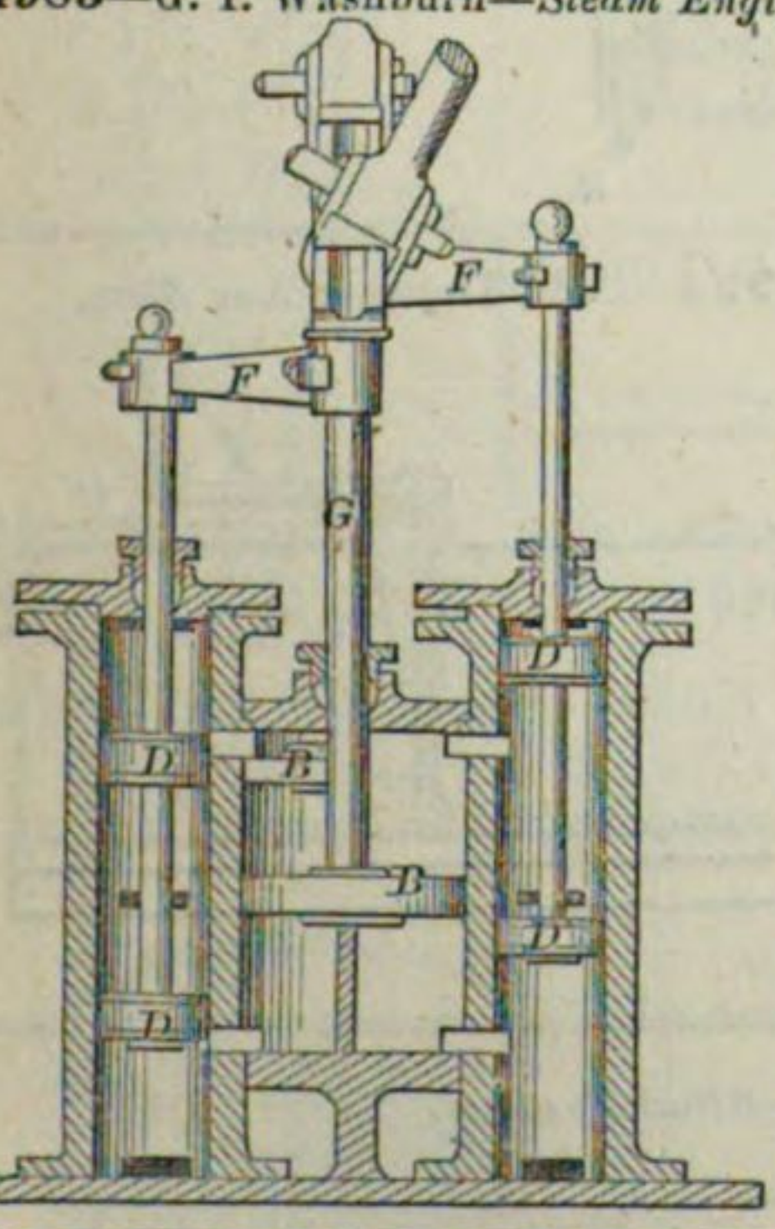
54981—*Continued.*



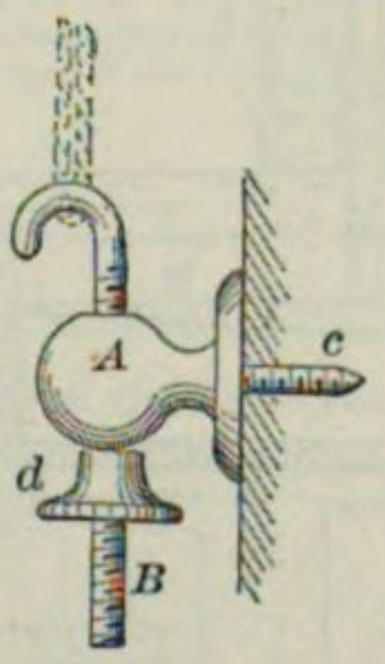
54988—L. Wilkinson—*Tuyere.*



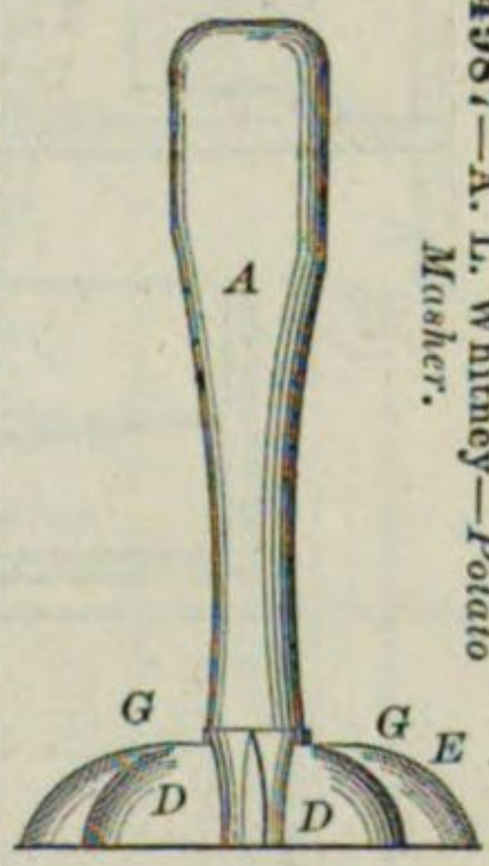
54983—G. I. Washburn—*Steam Engine.*



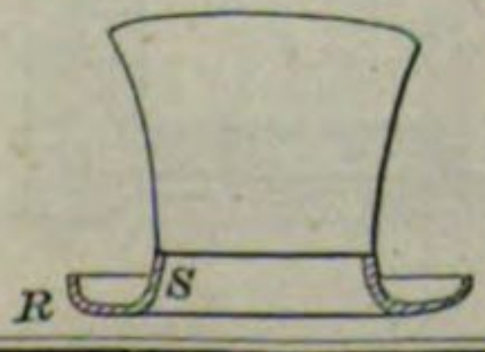
54985—S. White—*Shade Hook.*



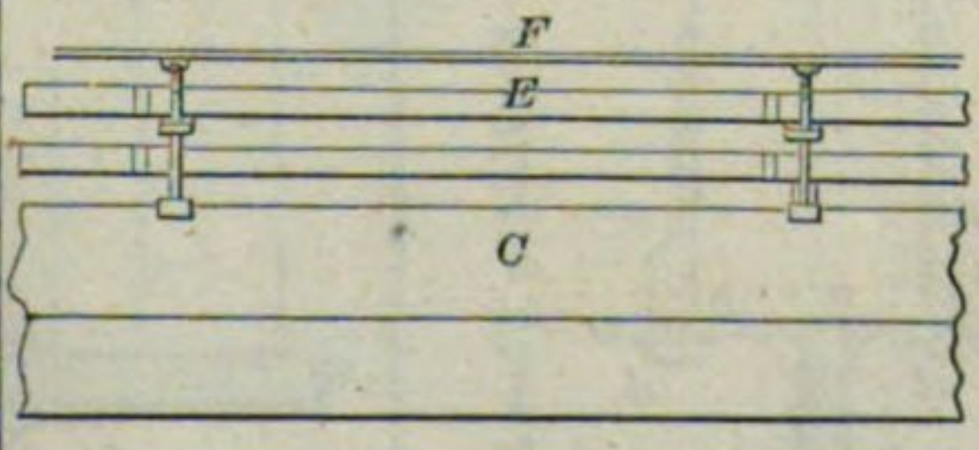
54987—A. L. Whitney—*Potato Masher.*



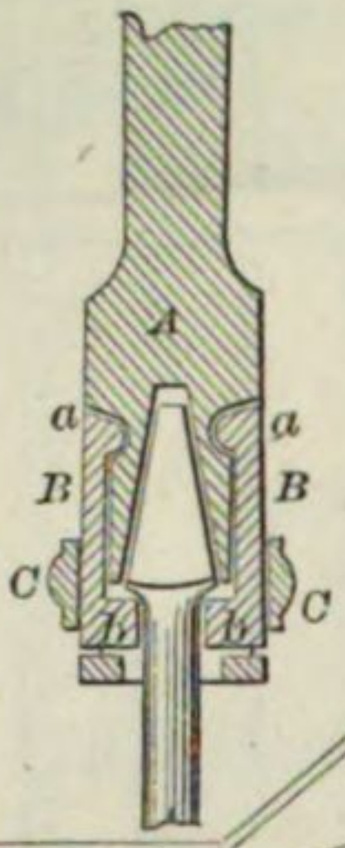
54986—W. H. White—*Hats and Caps.*



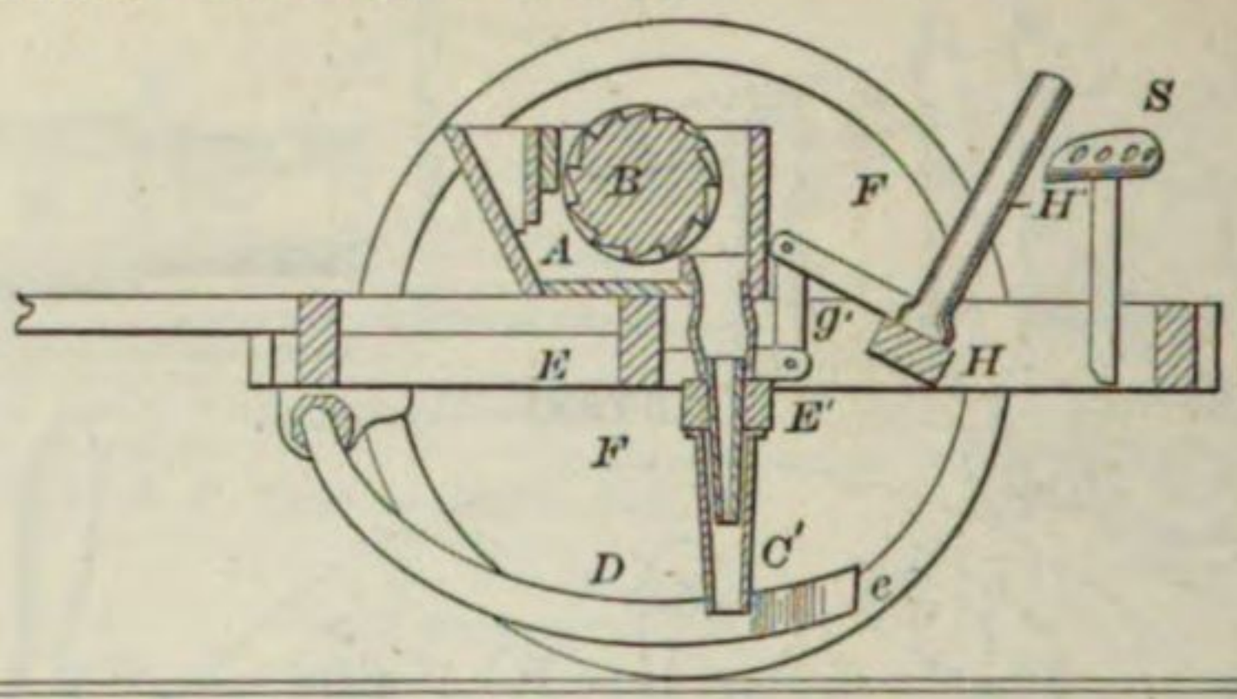
54989—S. P. Williams—*Fence.*



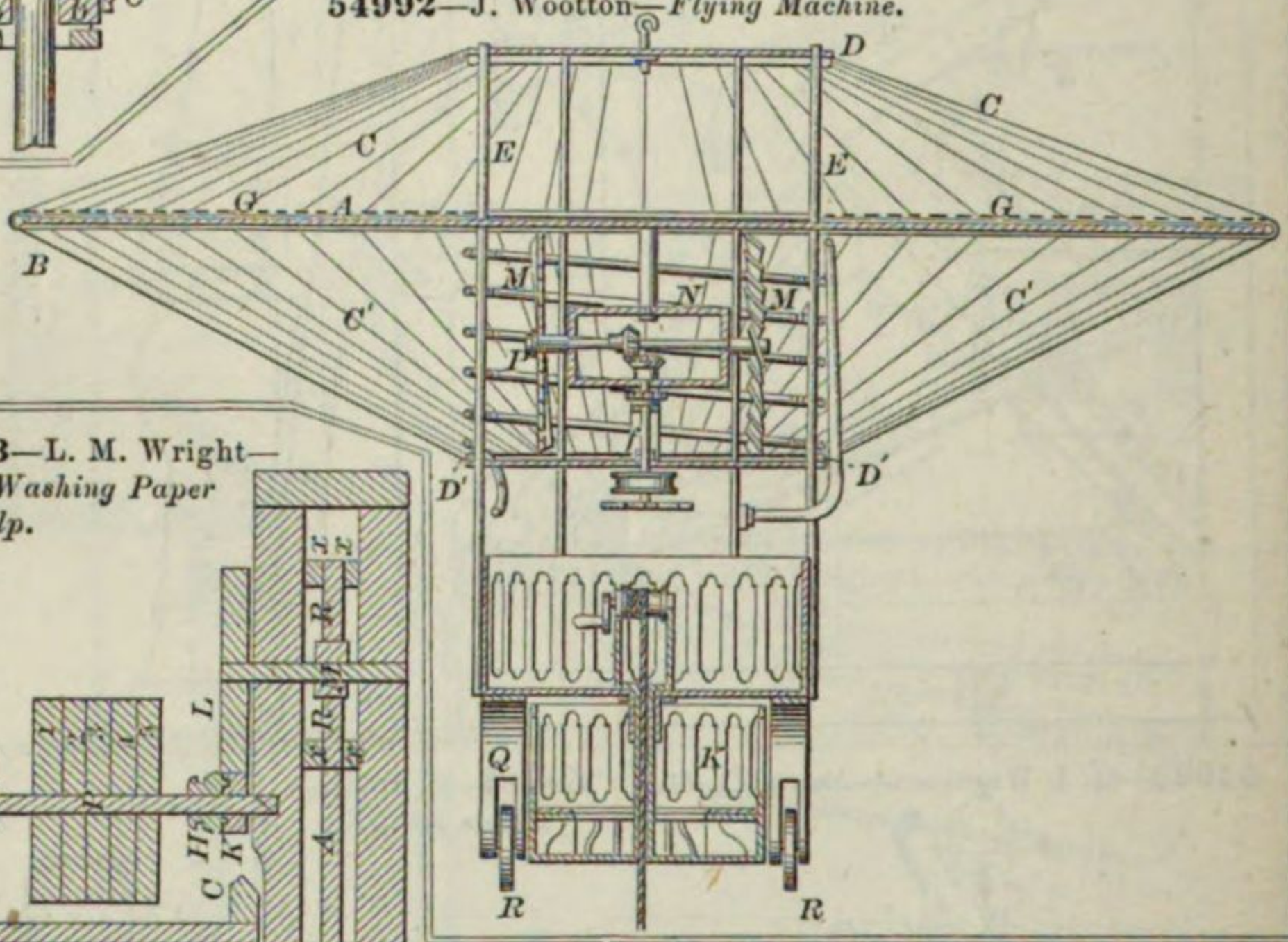
54990—W. Wimmer—
Securing Bits in Braces.



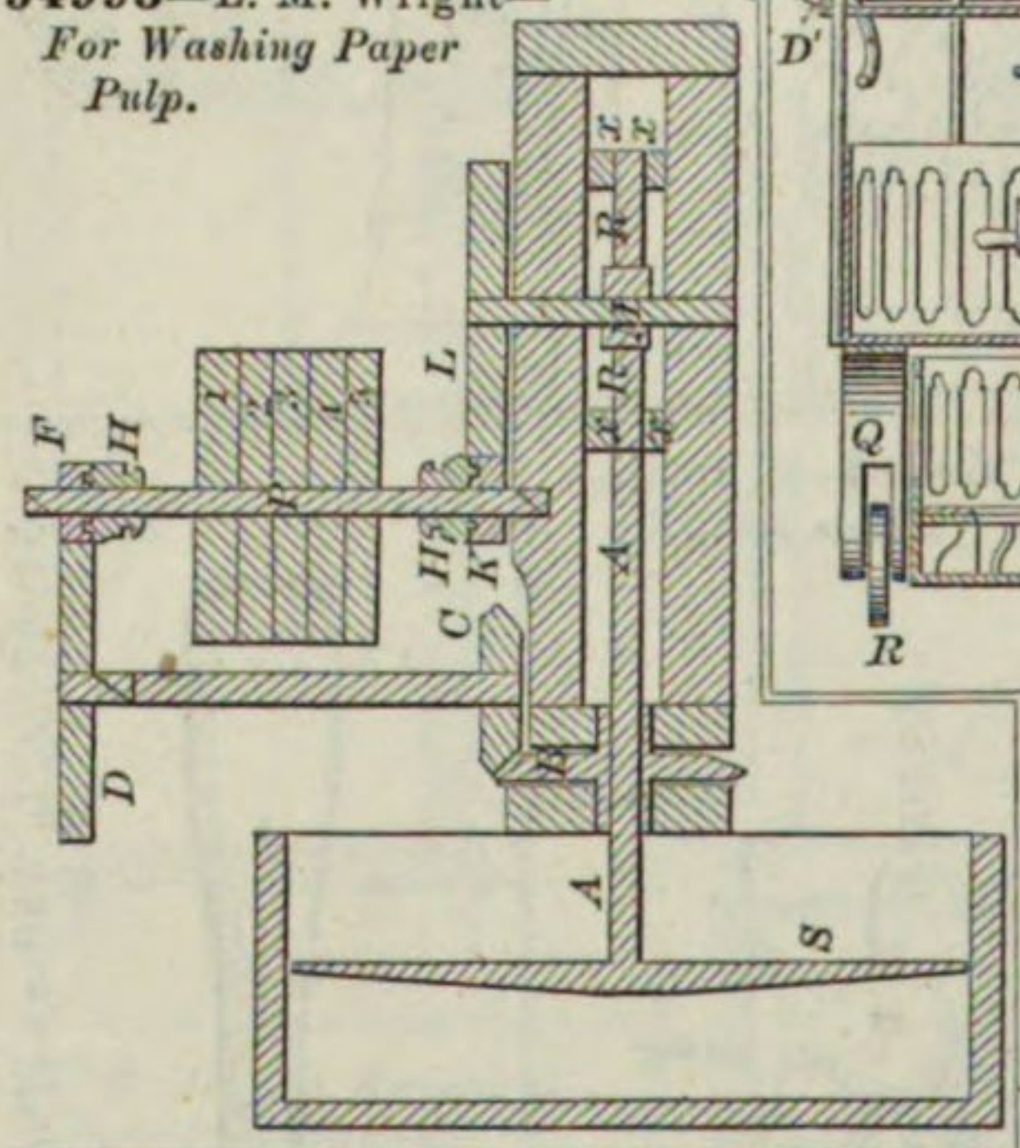
54995—E. Young—*Seed Drill.*



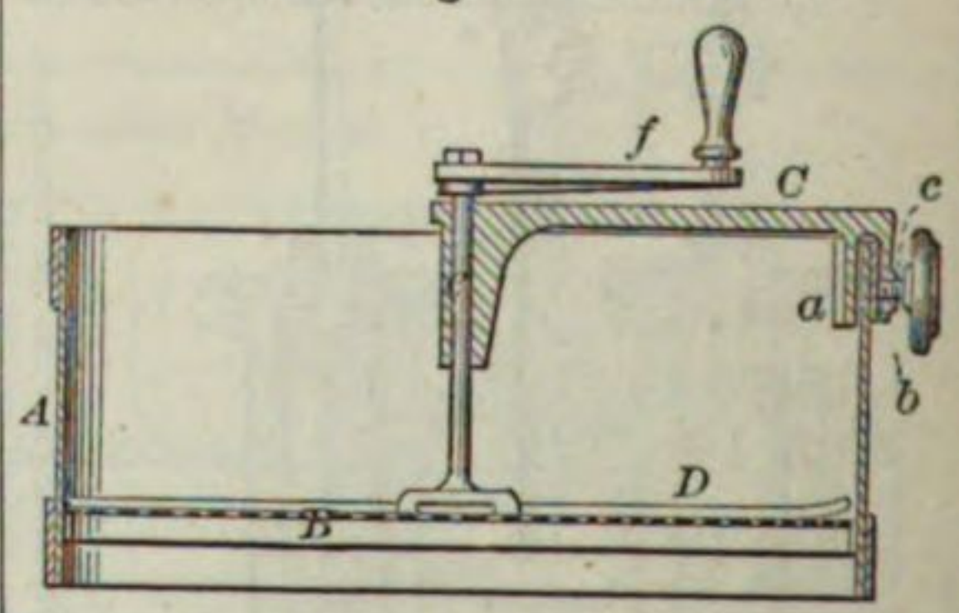
54992—J. Wootton—*Flying Machine.*



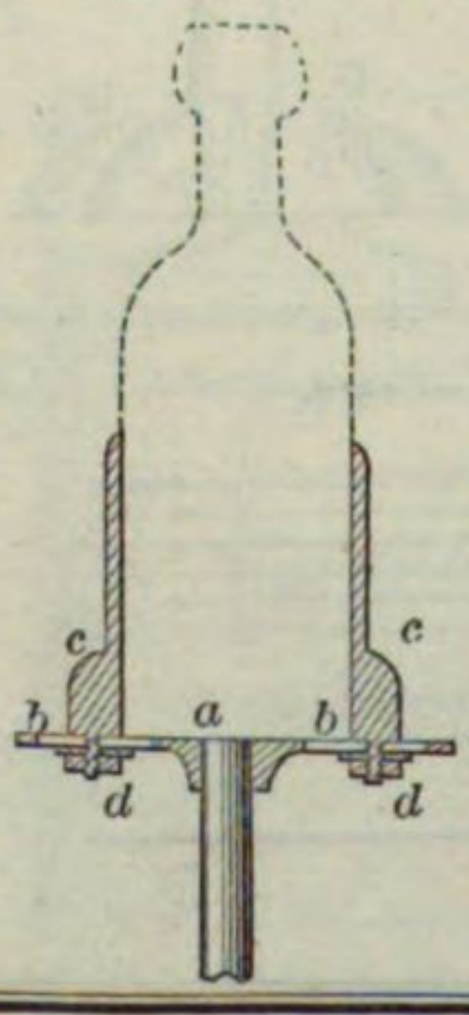
54993—L. M. Wright—
For Washing Paper Pulp.



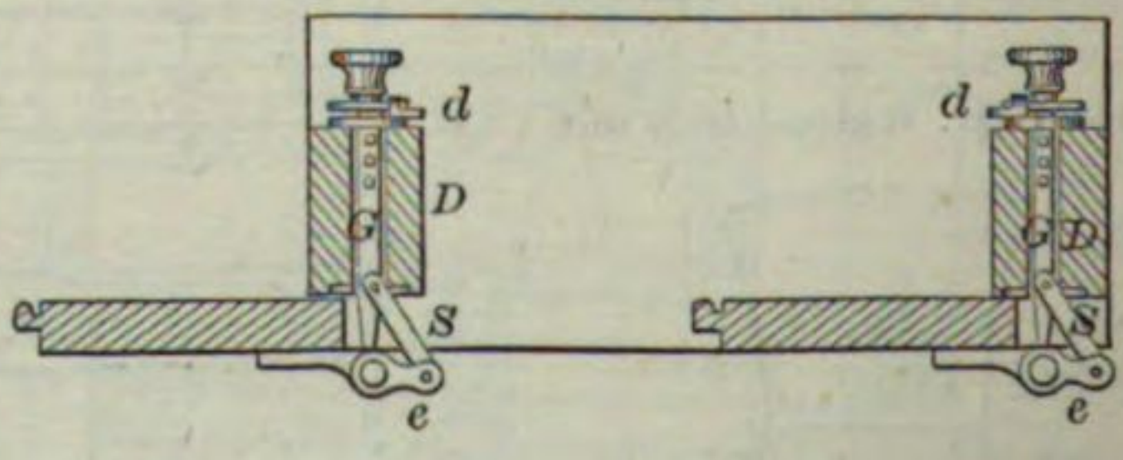
54994—C. E. Yager—*Flour Sieve.*



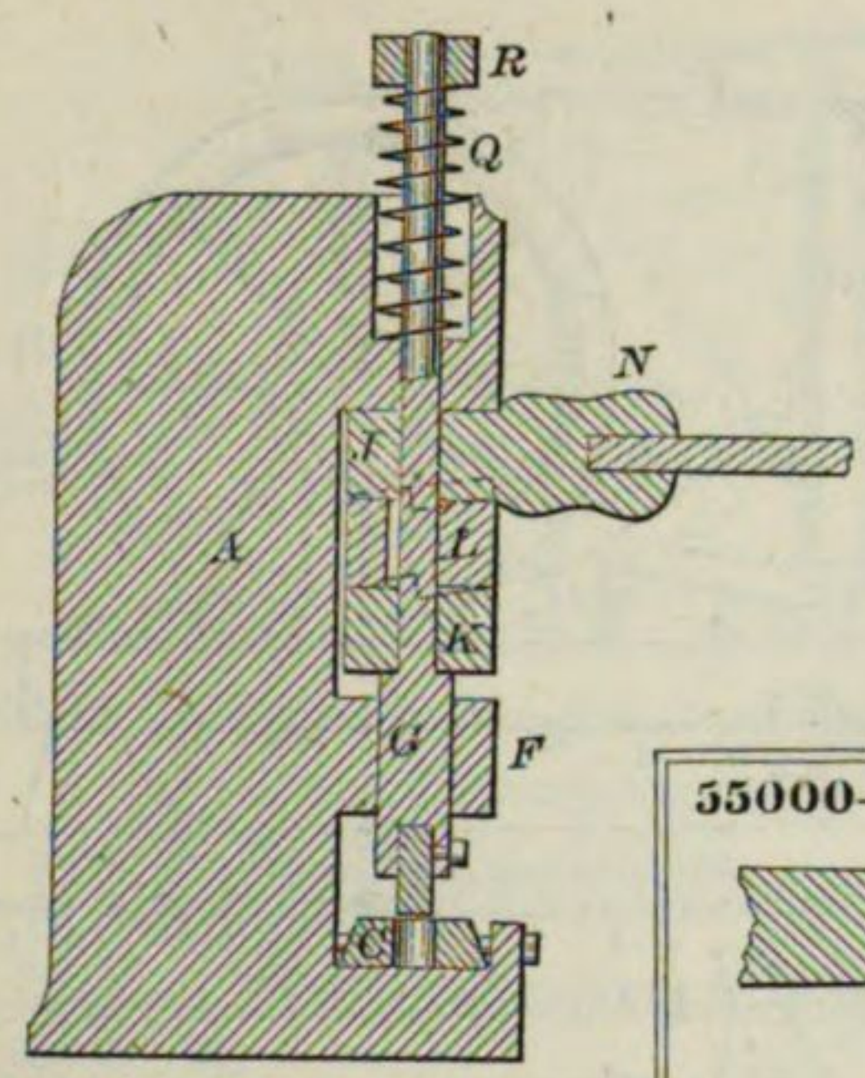
54991—J. Wood—*For Holding Glass Bottles.*



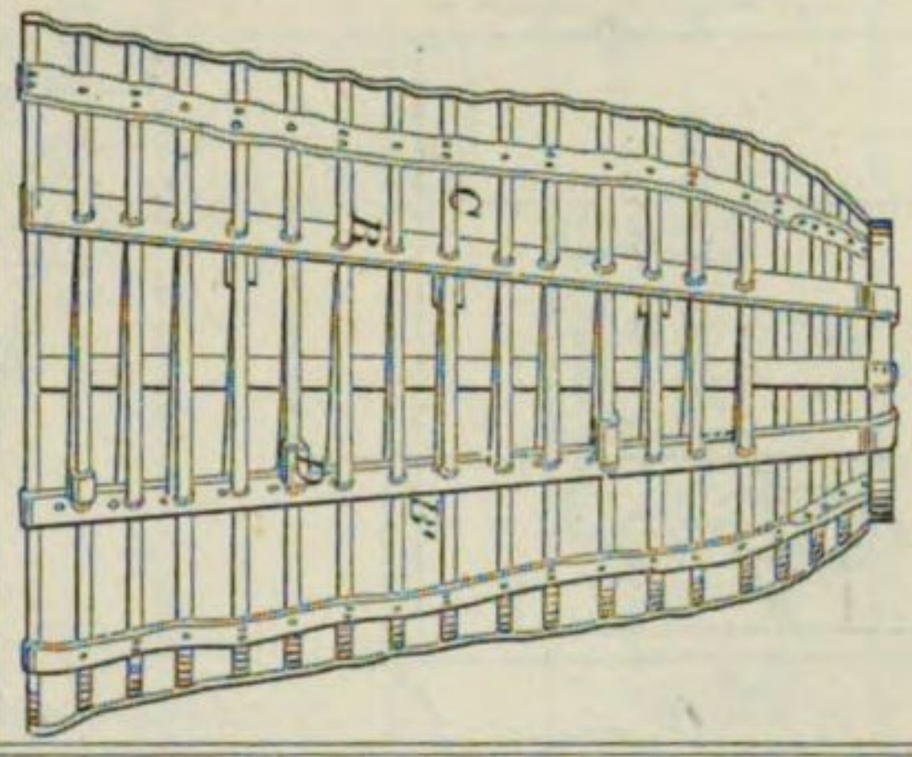
54996—J. Aborn—*Blind Fastener.*



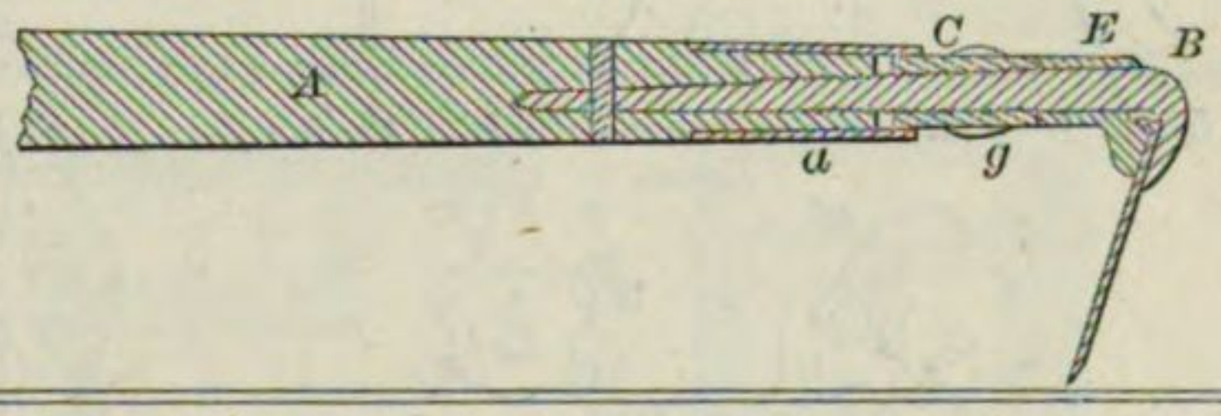
54997—G. A. Alger—*Punching Machine.*



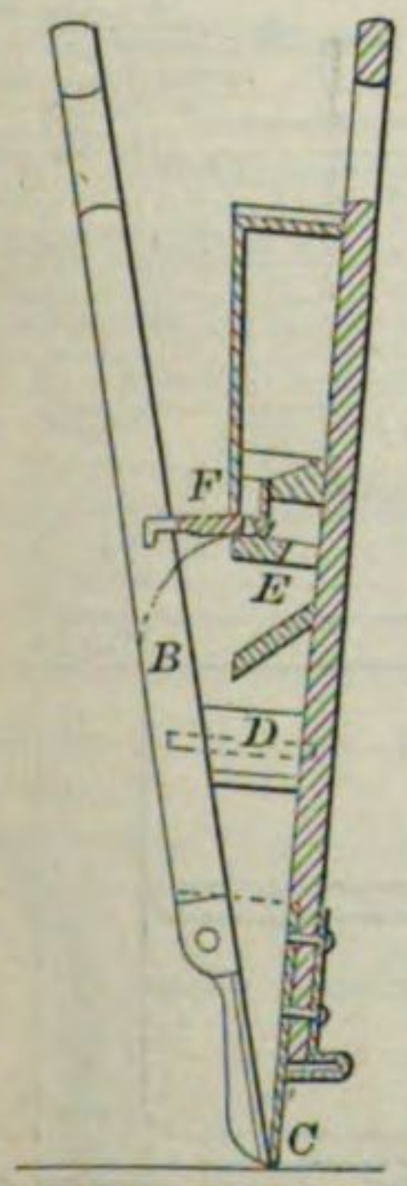
54998—A. W. Bardwell—*Hoop Skirt.*



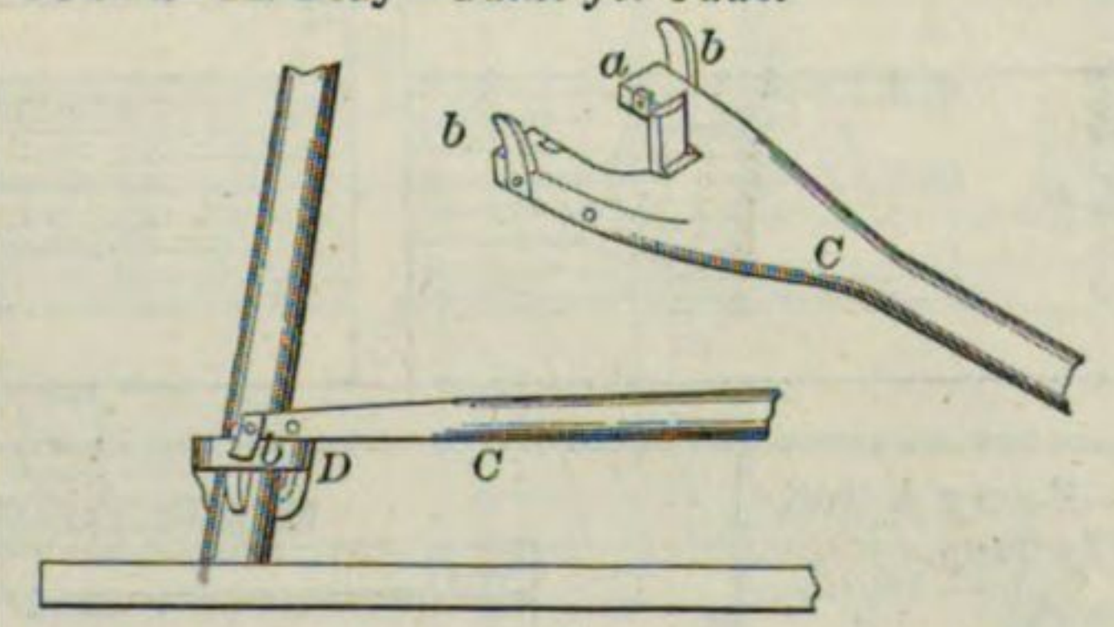
55000—A. Boyden—*For Attaching Handles to Rakes, &c.*



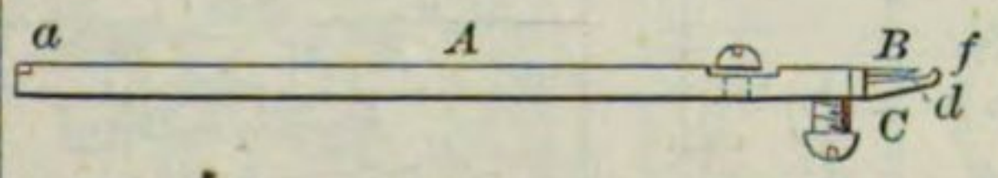
54999—O. Billings—*Hand Corn Planter.*



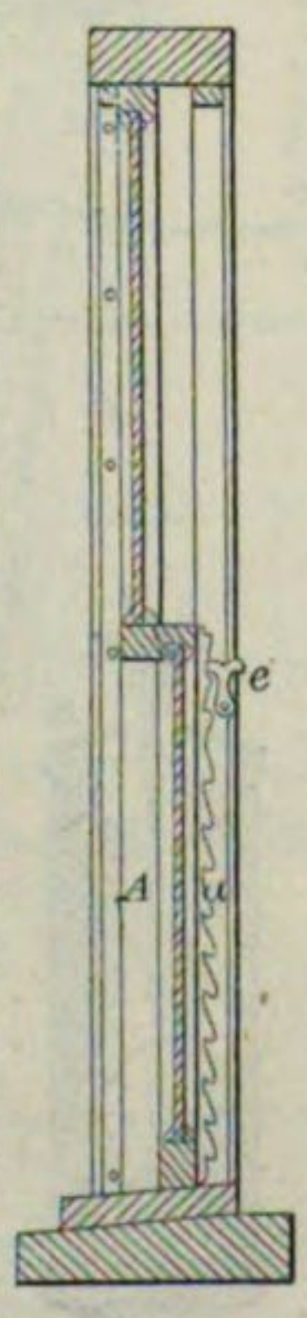
55001—M. Bray—*Guide for Jaws.*



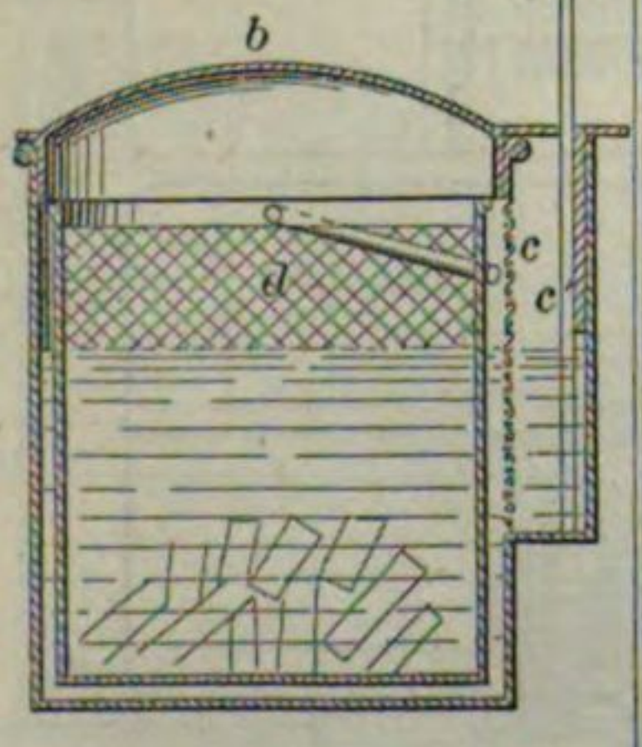
55002—J. Brooks—*Welt Trimmer.*



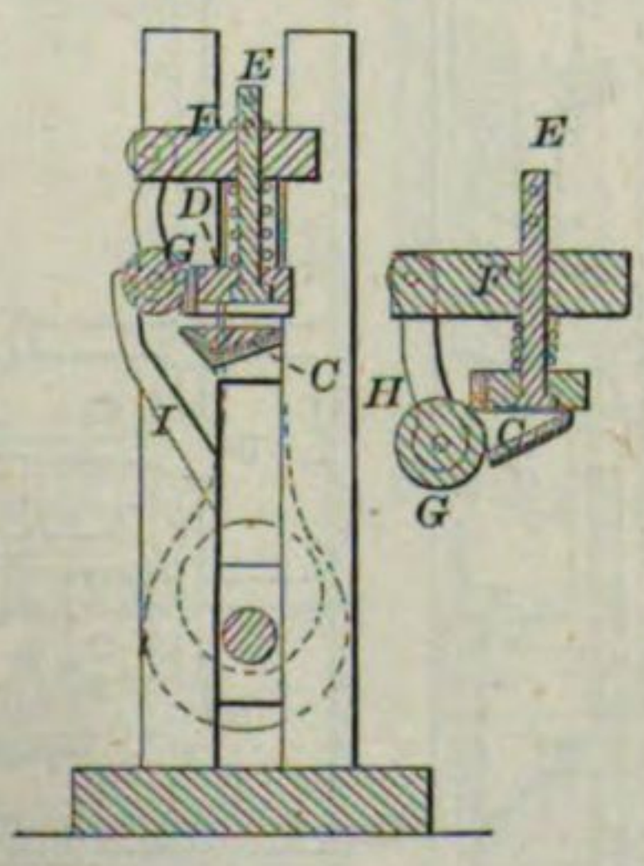
55003—C. E. Condon—*Sash Supporter.*



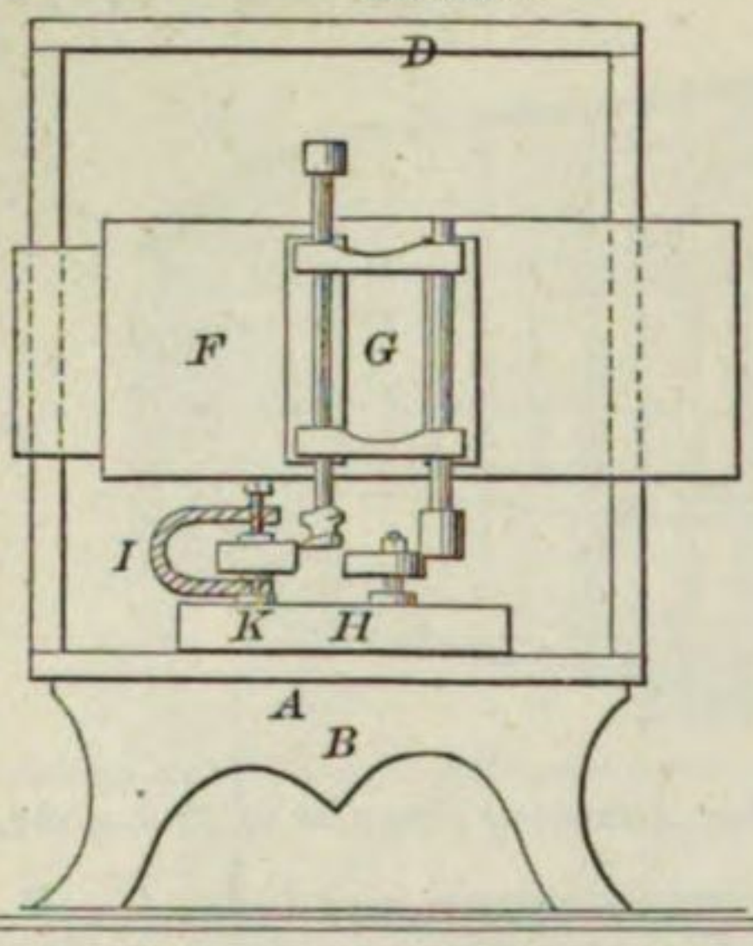
55004—C. B. Cottrell—*For Tempering Steel.*



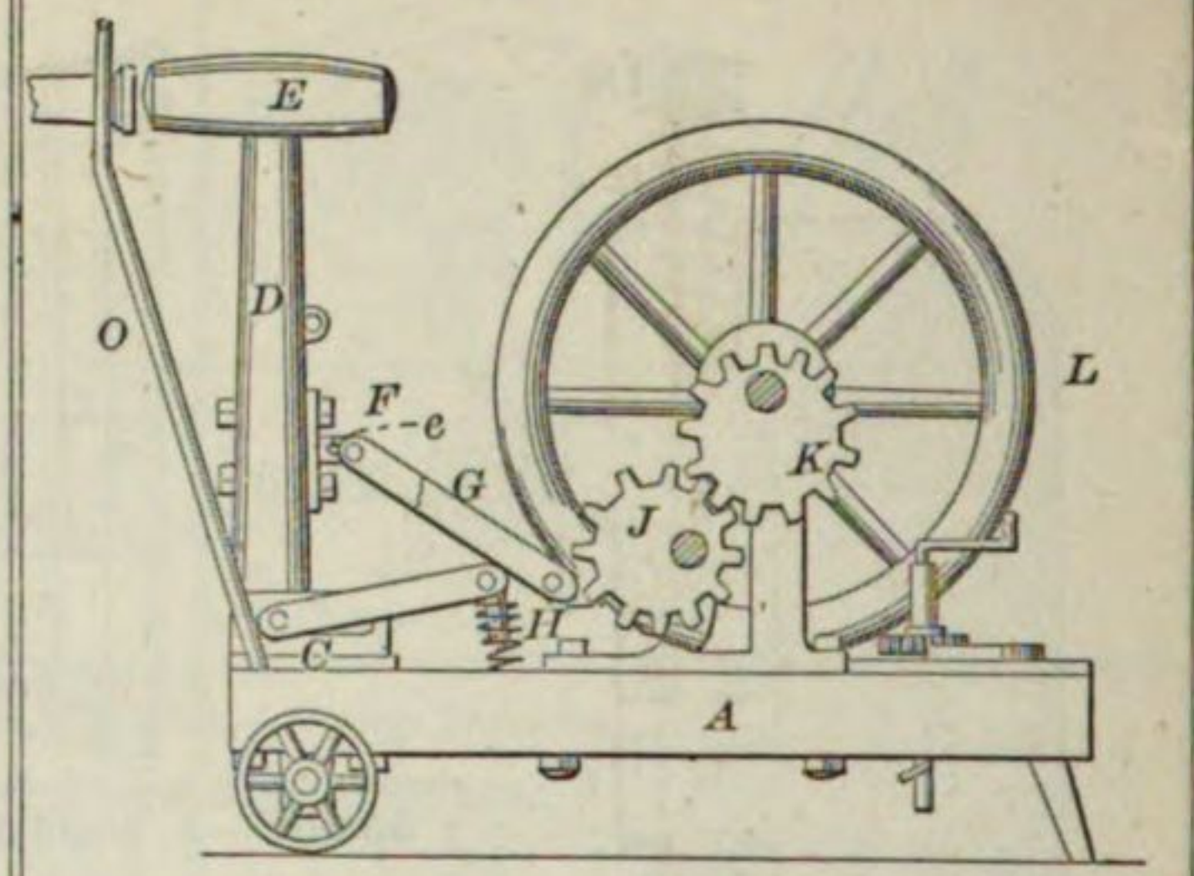
55005—J. J. Currier—*For Folding Paper Collars.*



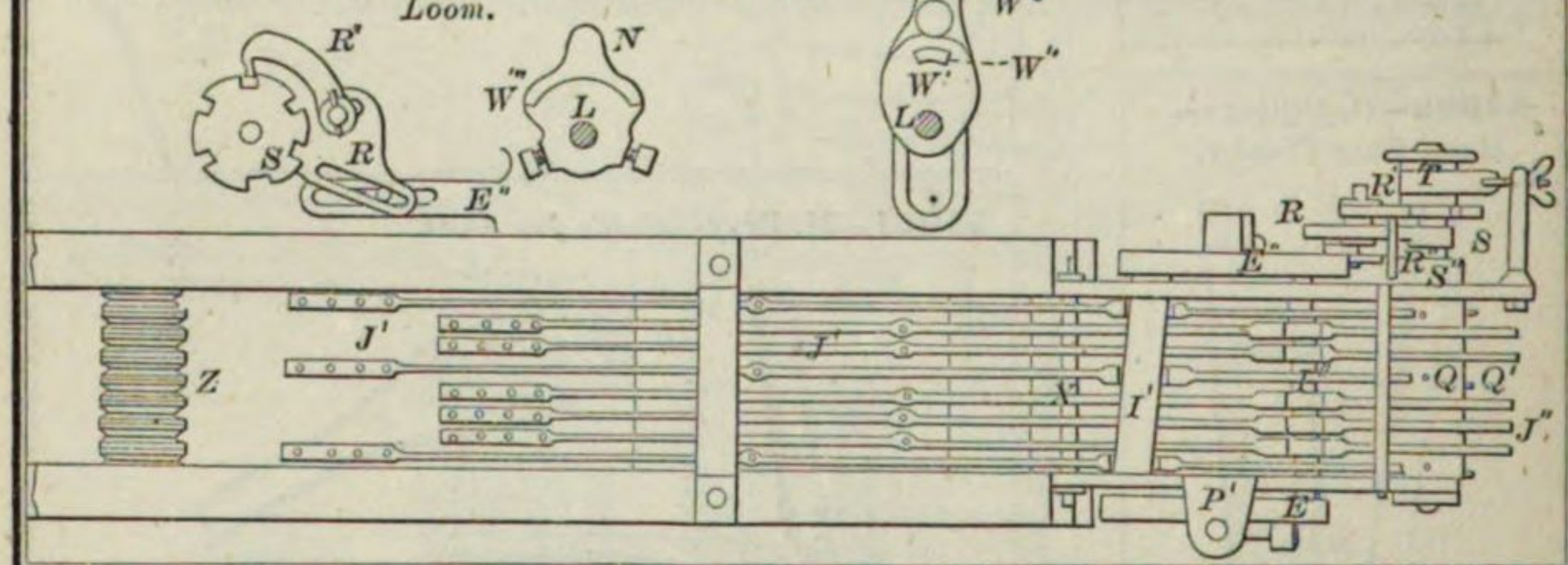
55006—J. Dane, Jr.—*Wood Shaping Machine.*



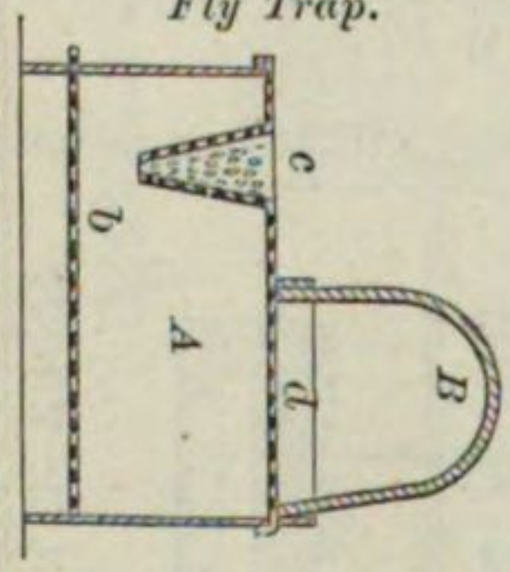
55009—W. Hyde—*Rock Drilling Machine.*



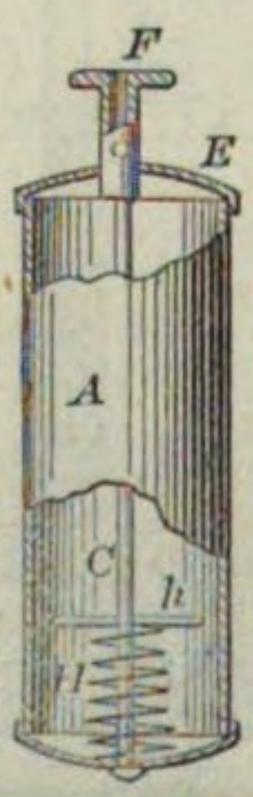
55010—Jenks & Goodyear—*Heddle Motion for Loom.*



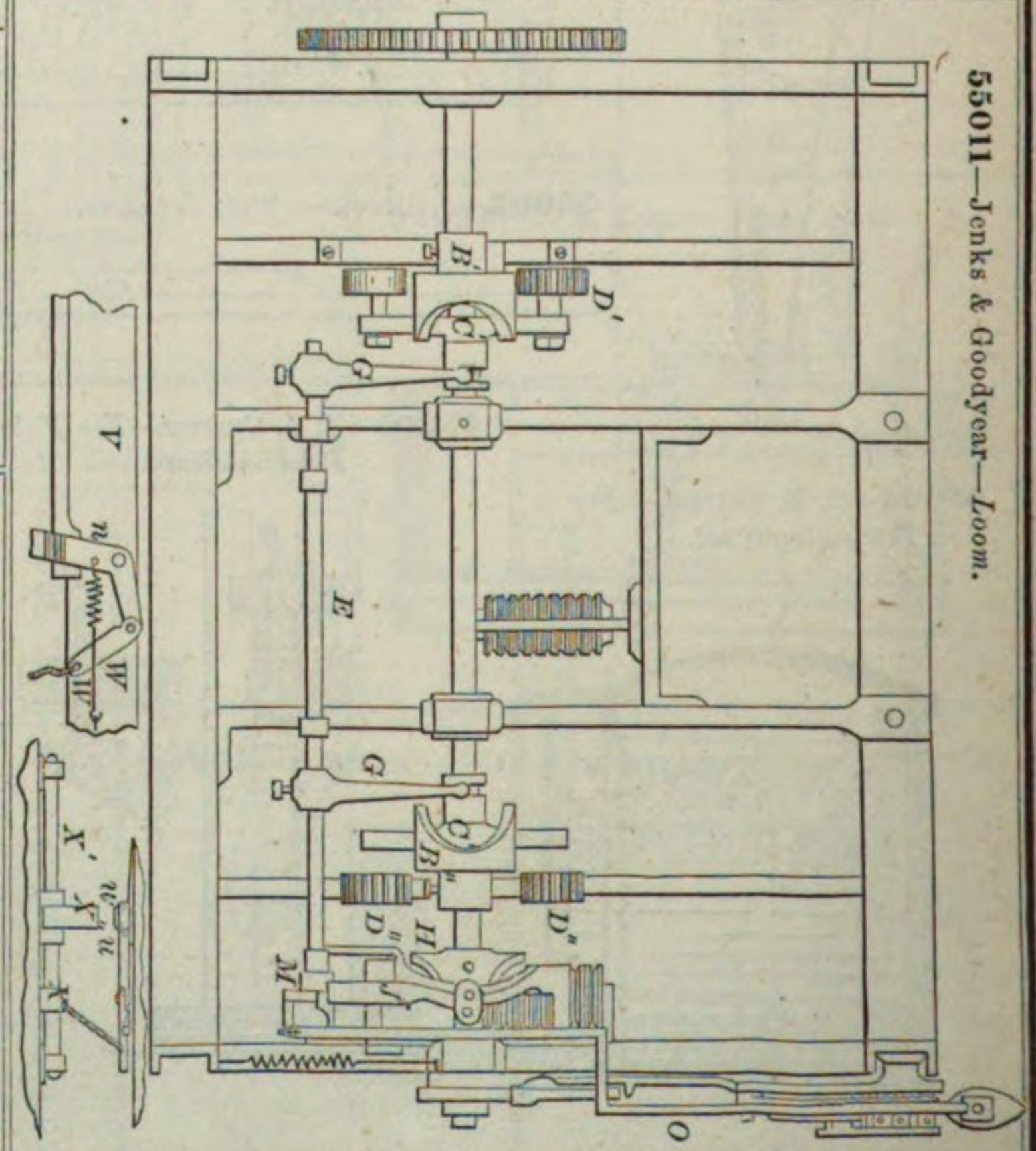
55007—Emery & Gott—*Fly Trap.*



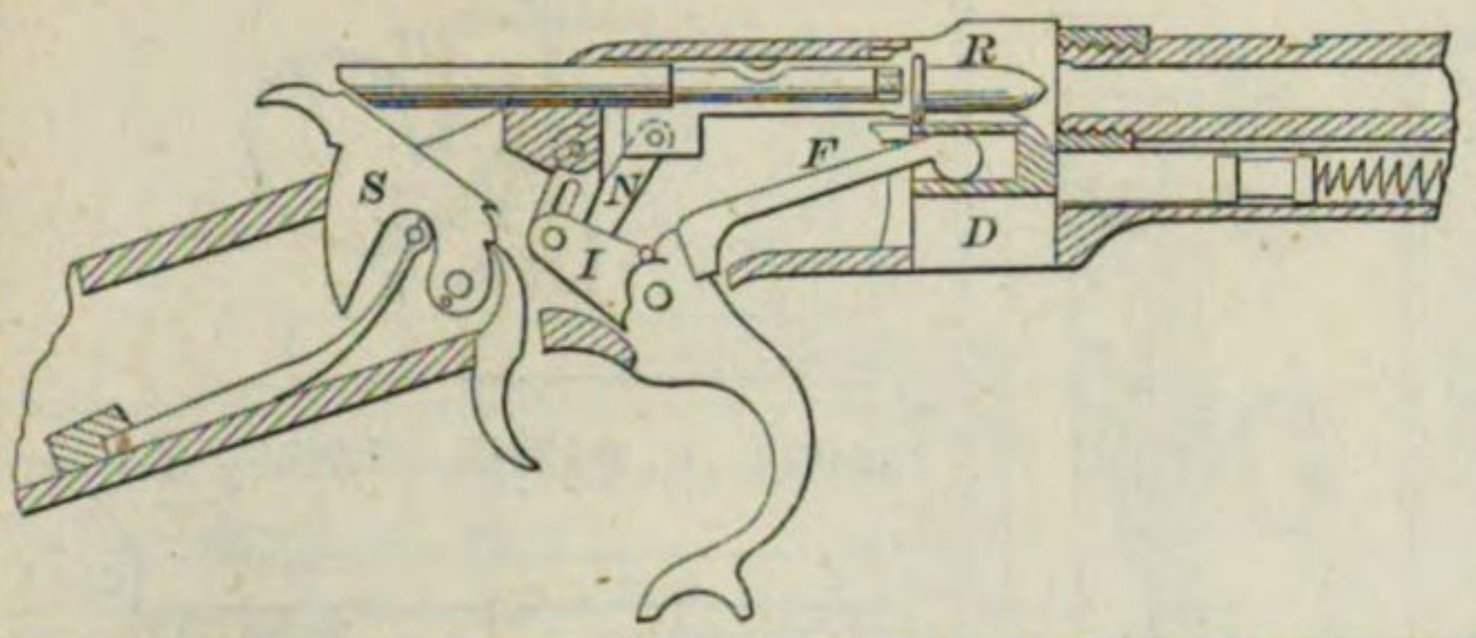
55008—W. P. Gannett—*Clothes Sprinkler.*



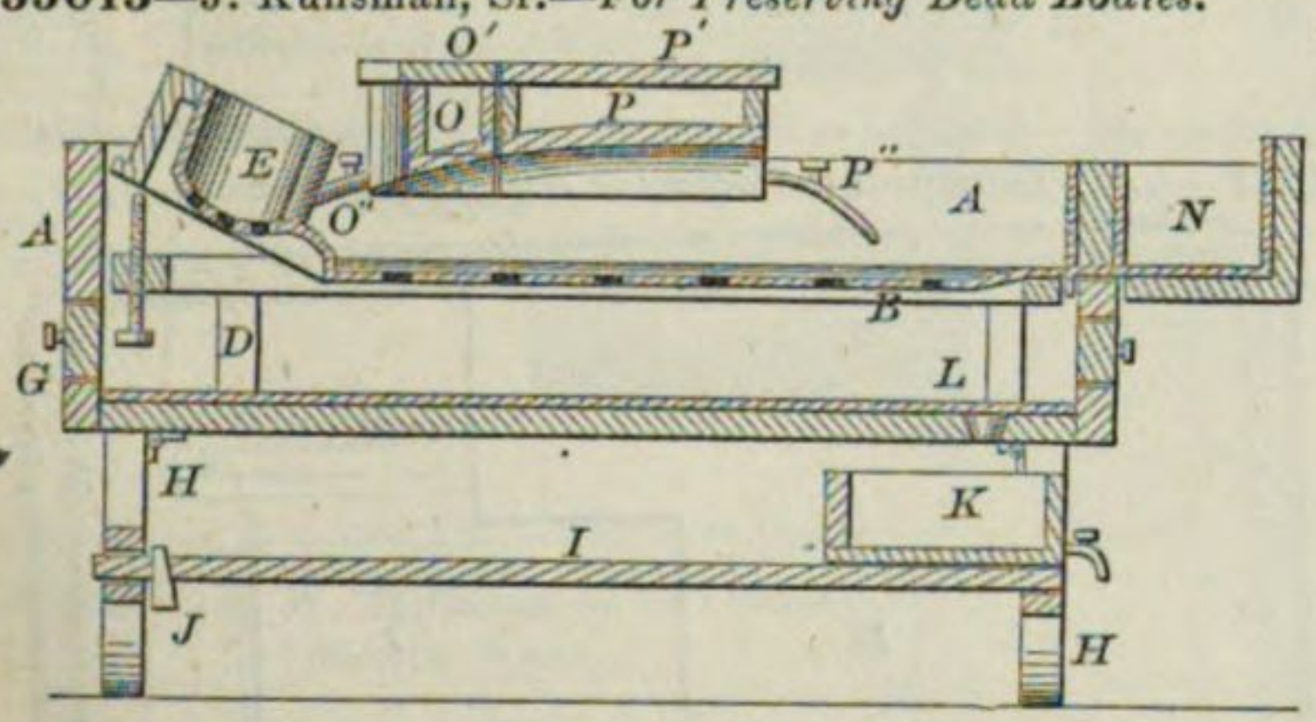
55011—Jenks & Goodyear—*Loom.*



55012—N. King—*Magazine Fire Arm.*

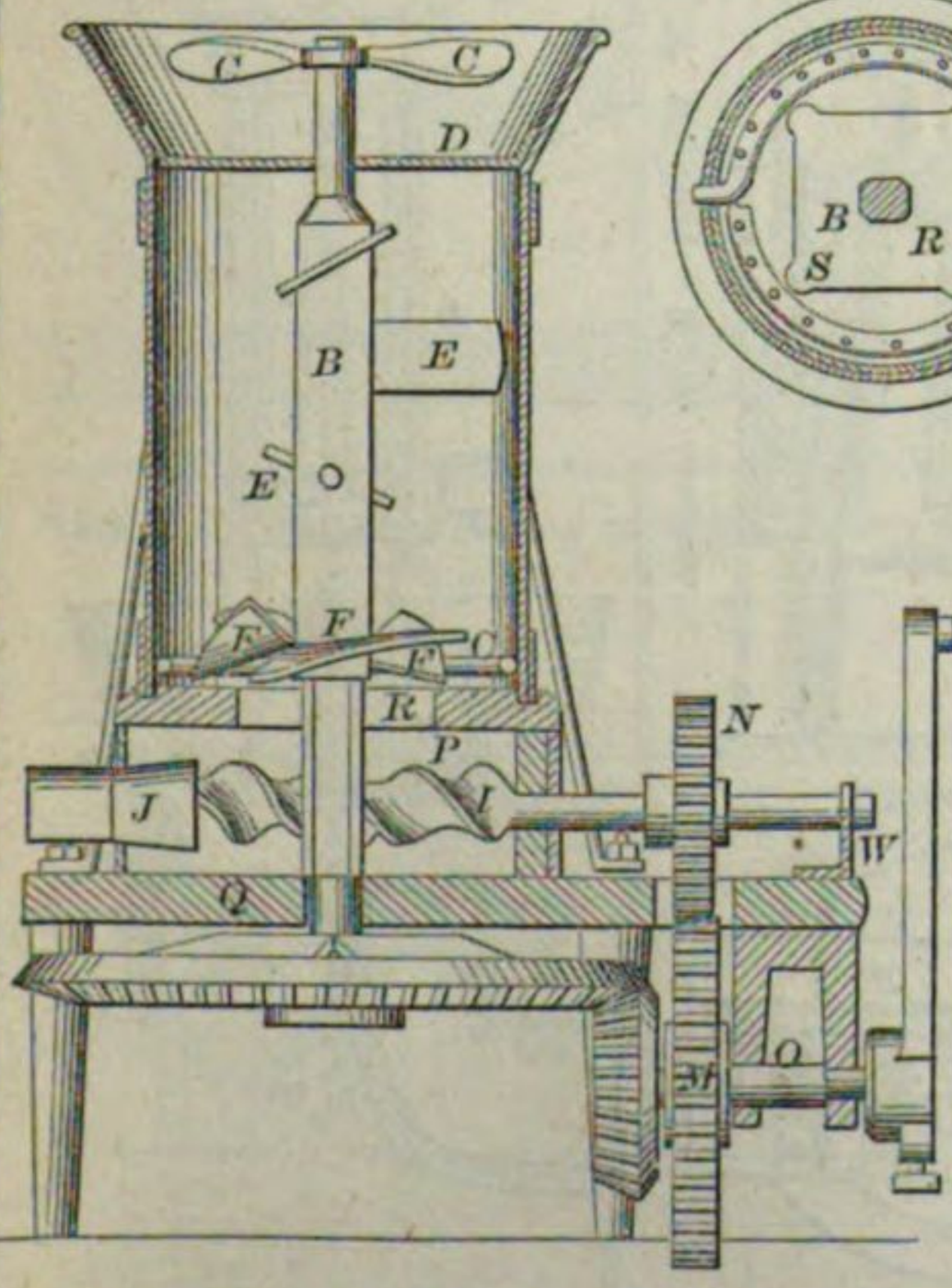


55013—J. Kunsman, Sr.—*For Preserving Dead Bodies.*

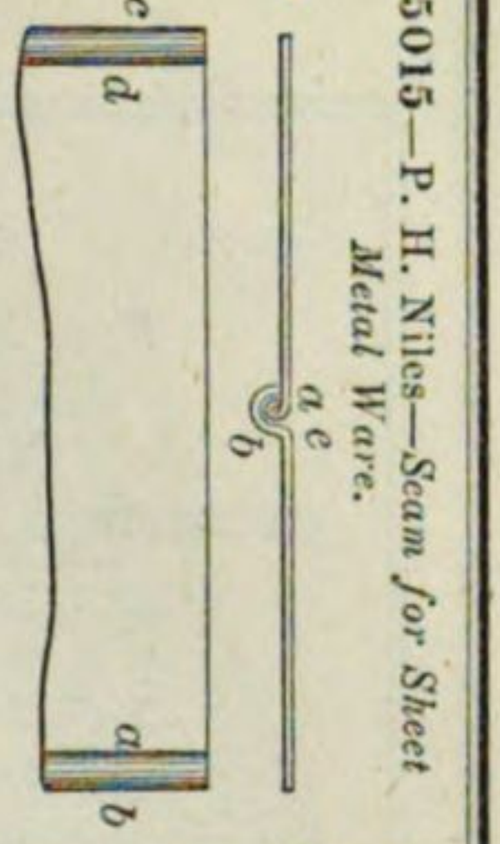


55017—E. Parker—*Stove Pipe Damper.*

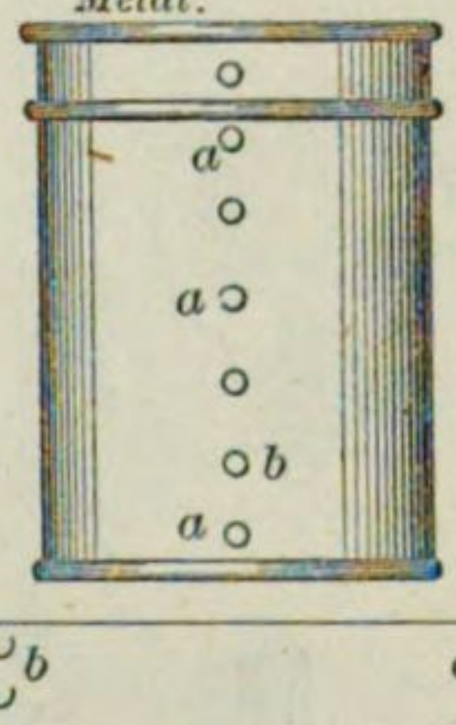
55018—J. H. Rae—*Peat Machine.*



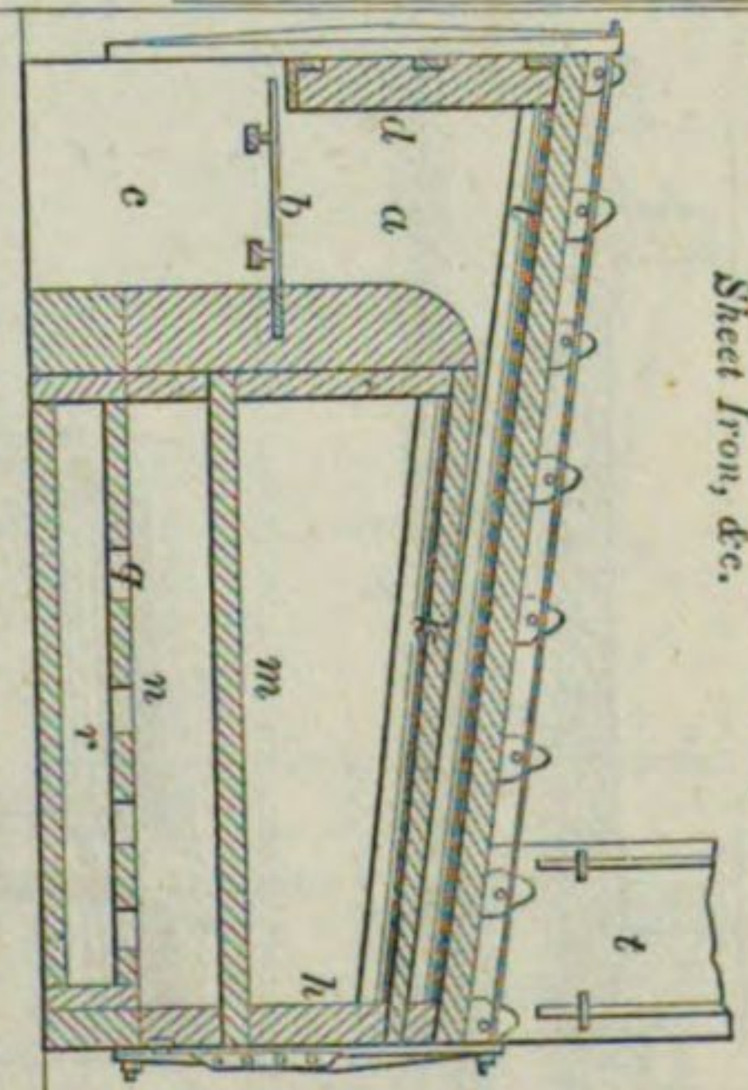
55015—P. H. Niles—*Seam for Sheet Metal Ware.*



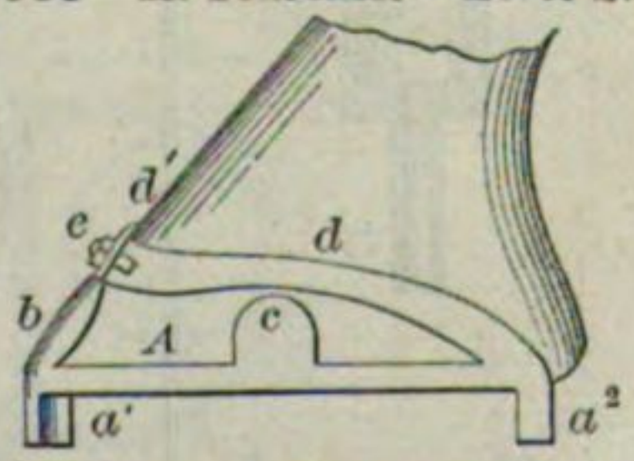
55016—P. H. Niles—*Attaching Sides of Sheet Metal.*



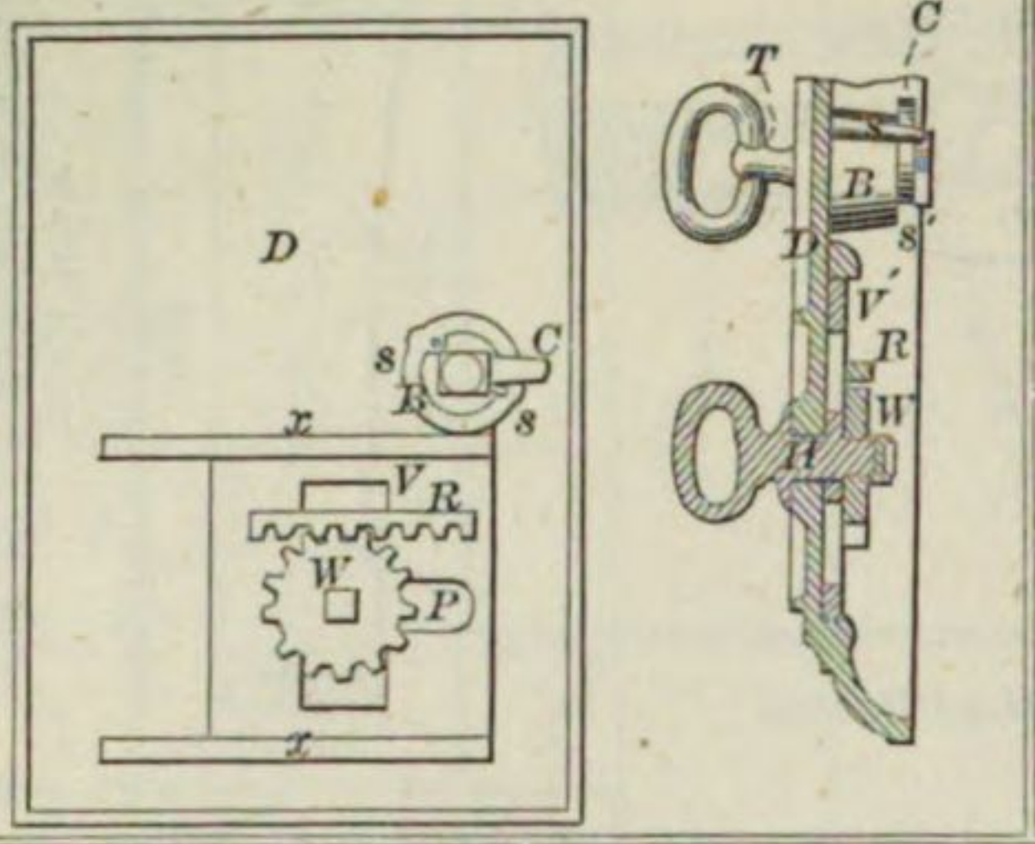
55014—J. Malone—*For Annealing Sheet Iron, &c.*



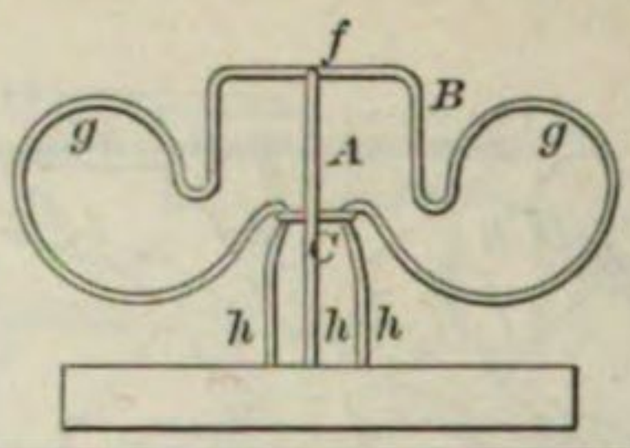
55019—H. Schreiner—*Horse Shoe.*



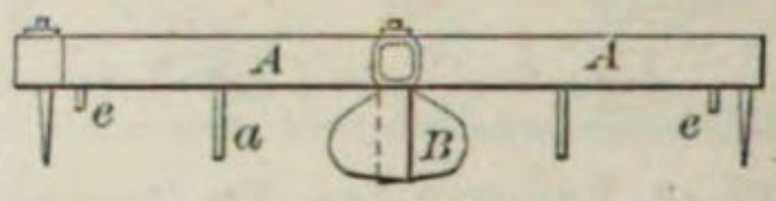
55020—R. Simpson—*Stove Door.*



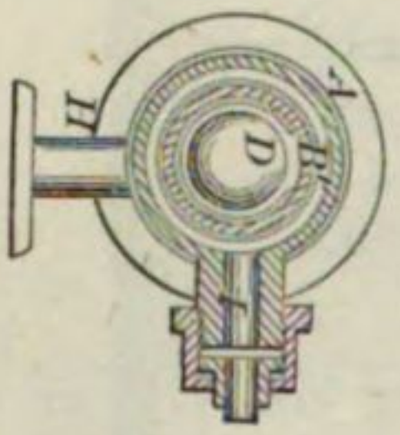
55021—L. Smith—*Spring for Beds.*

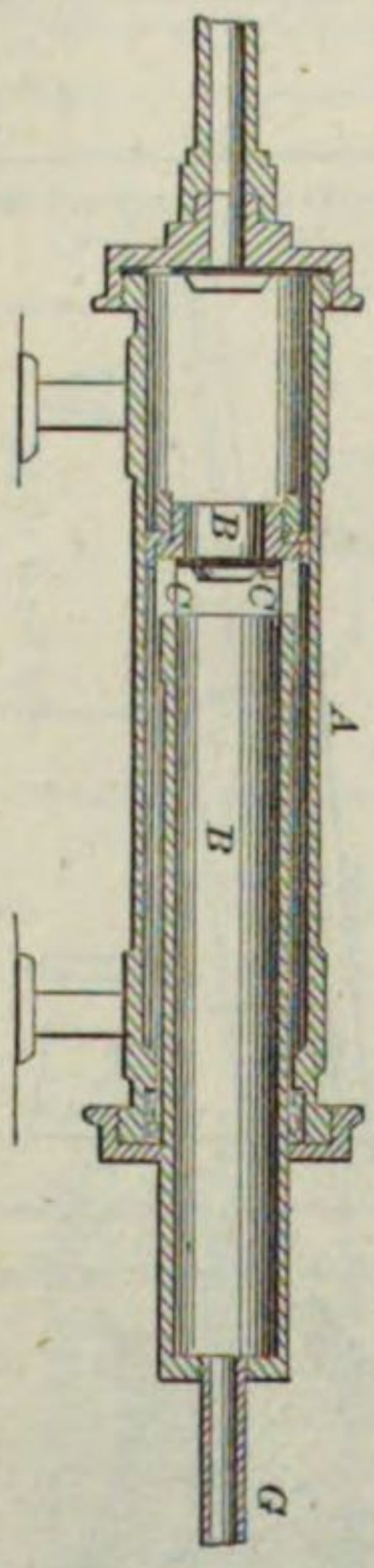


55024—H. Thompson—*Rotary Harrow.*

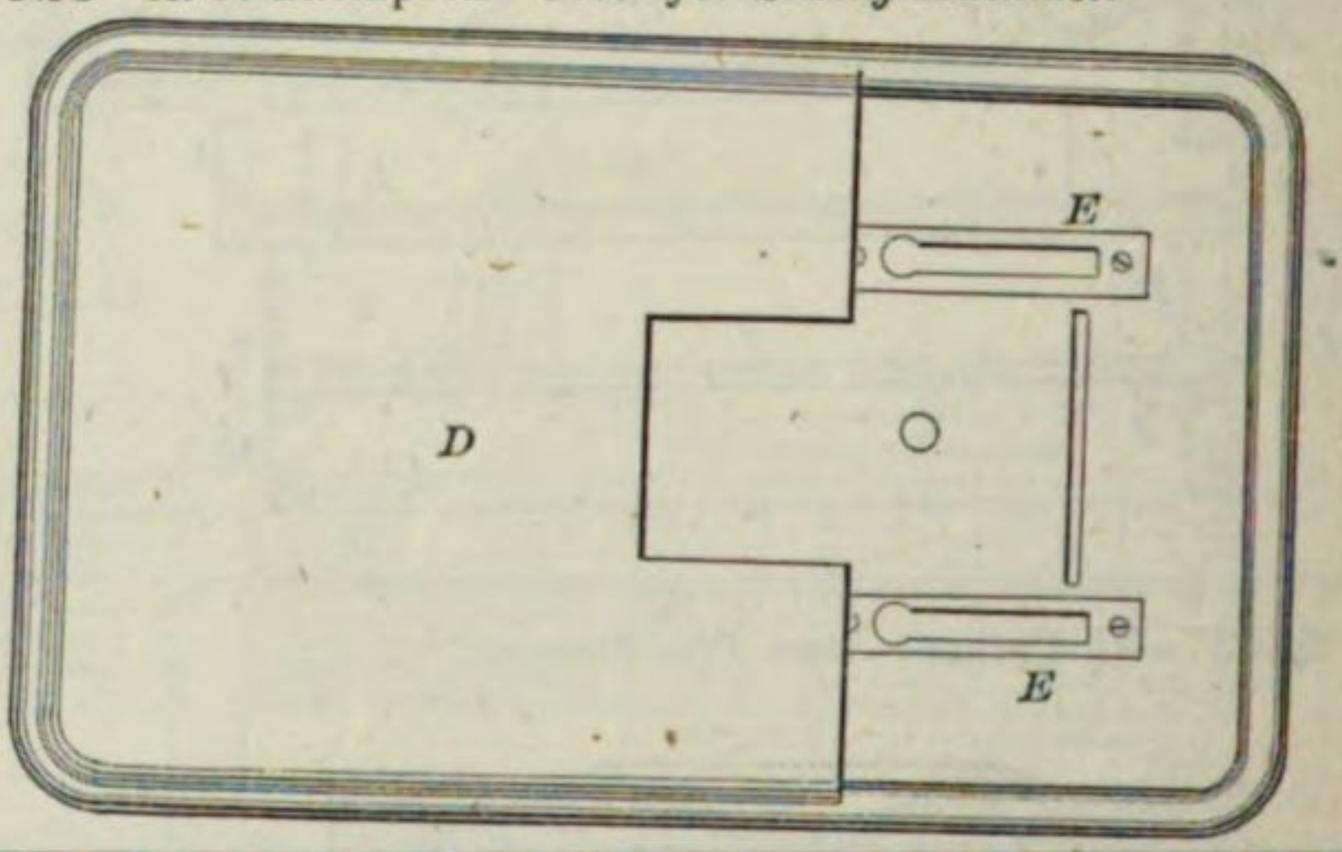


55022—E. L. Staples—*Pump.*

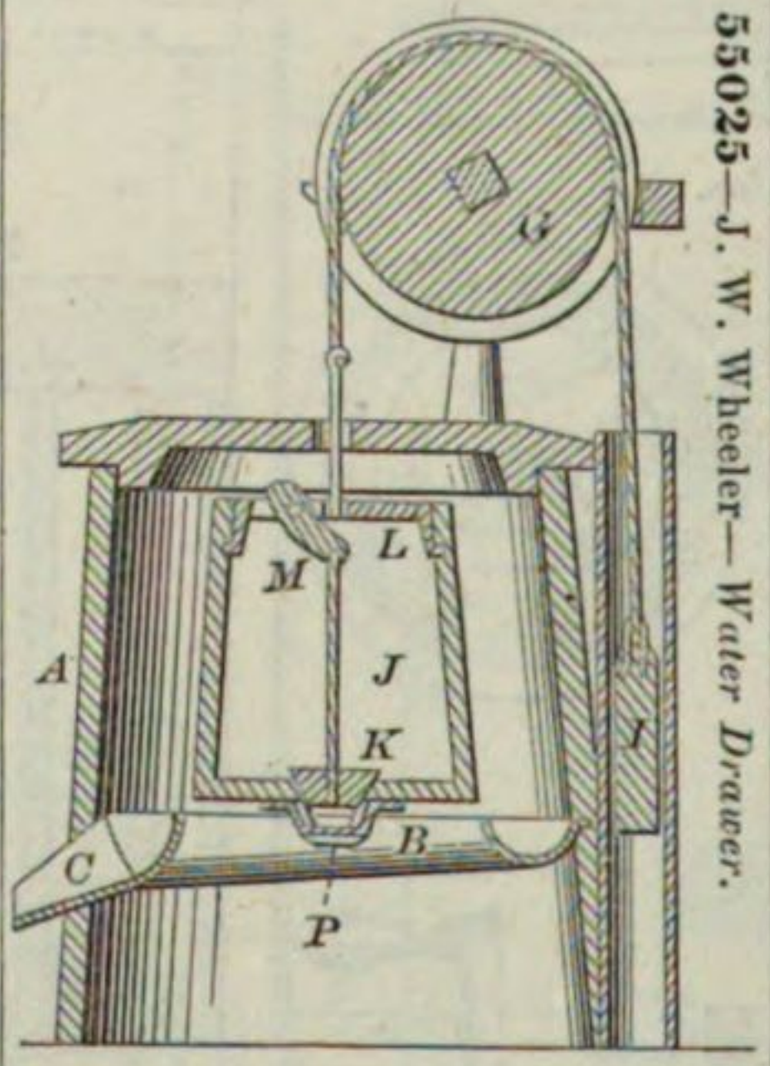


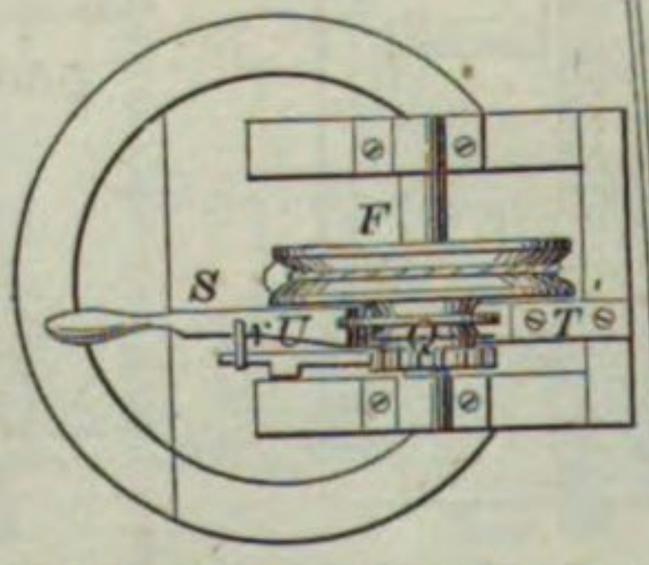


55023—A. J. Thompson—*Cover for Sewing Machines.*

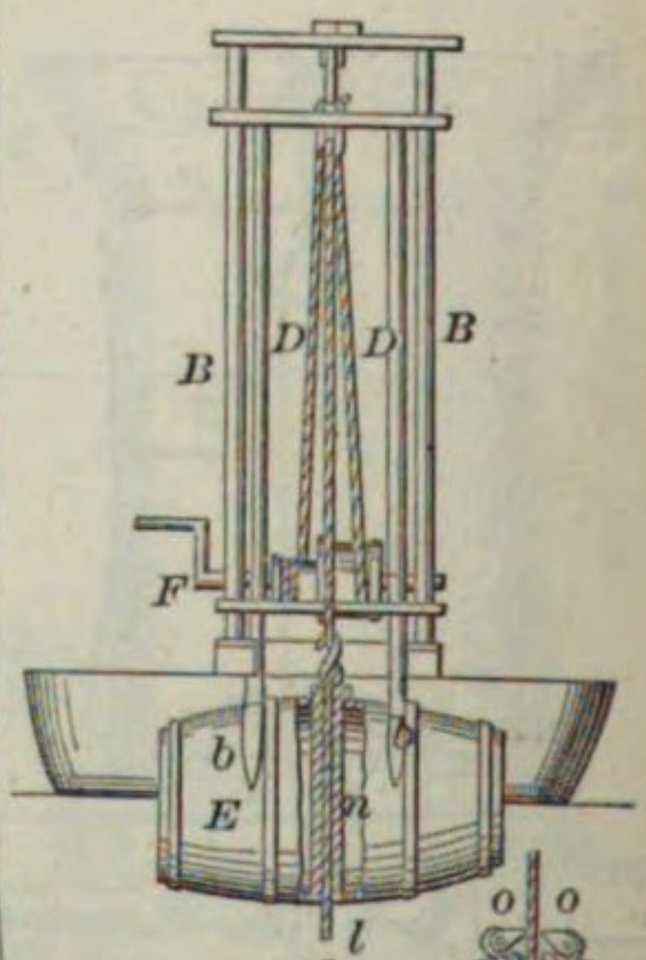


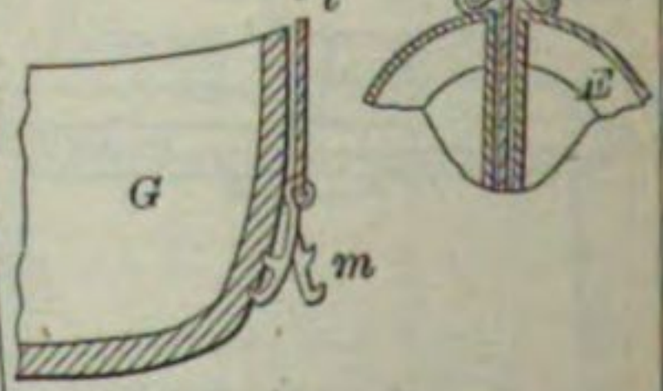
55025—J. W. Wheeler—*Water Drawer.*



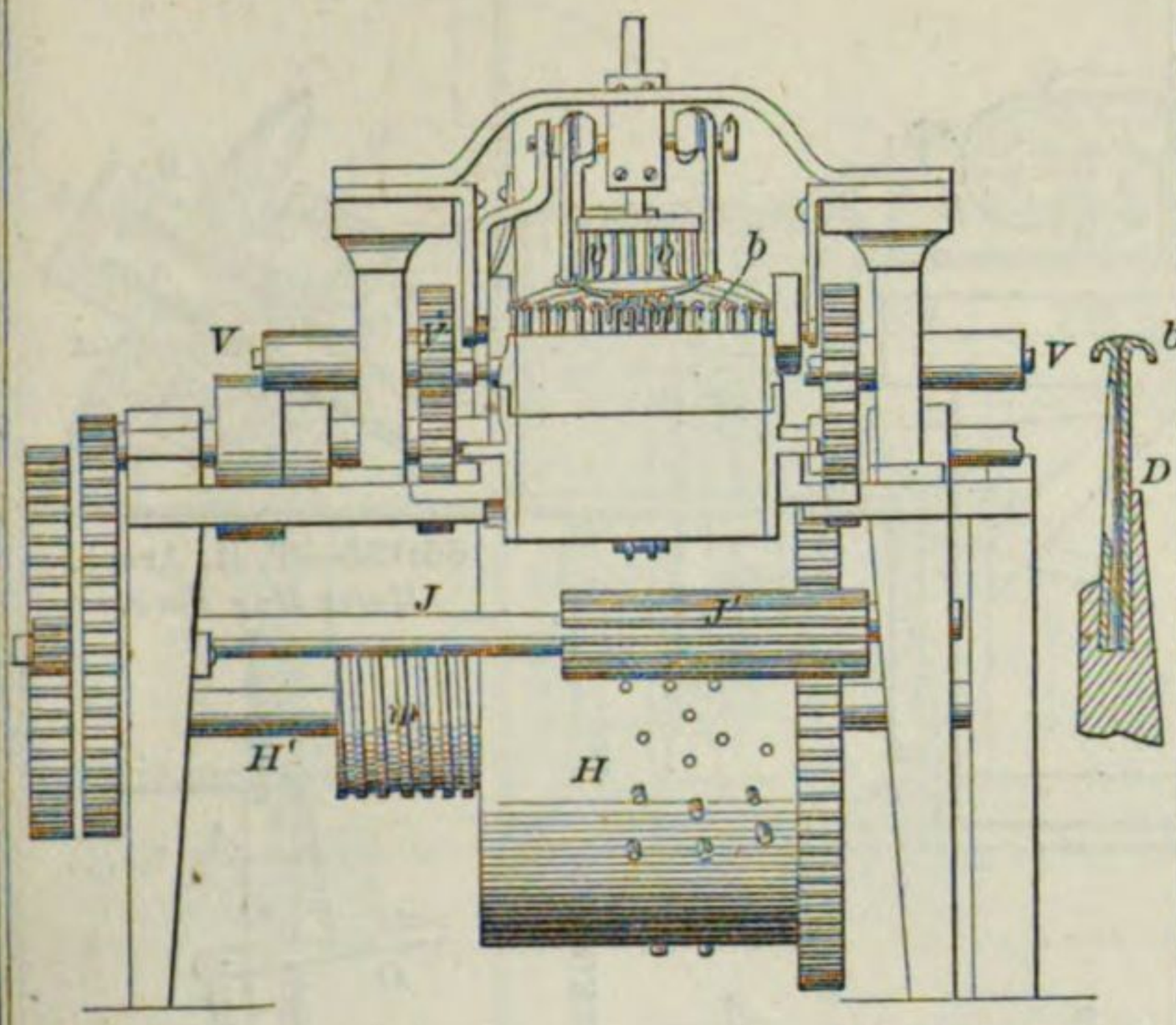


55026—T. Whittaker—*For Raising Sunken Vessels.*

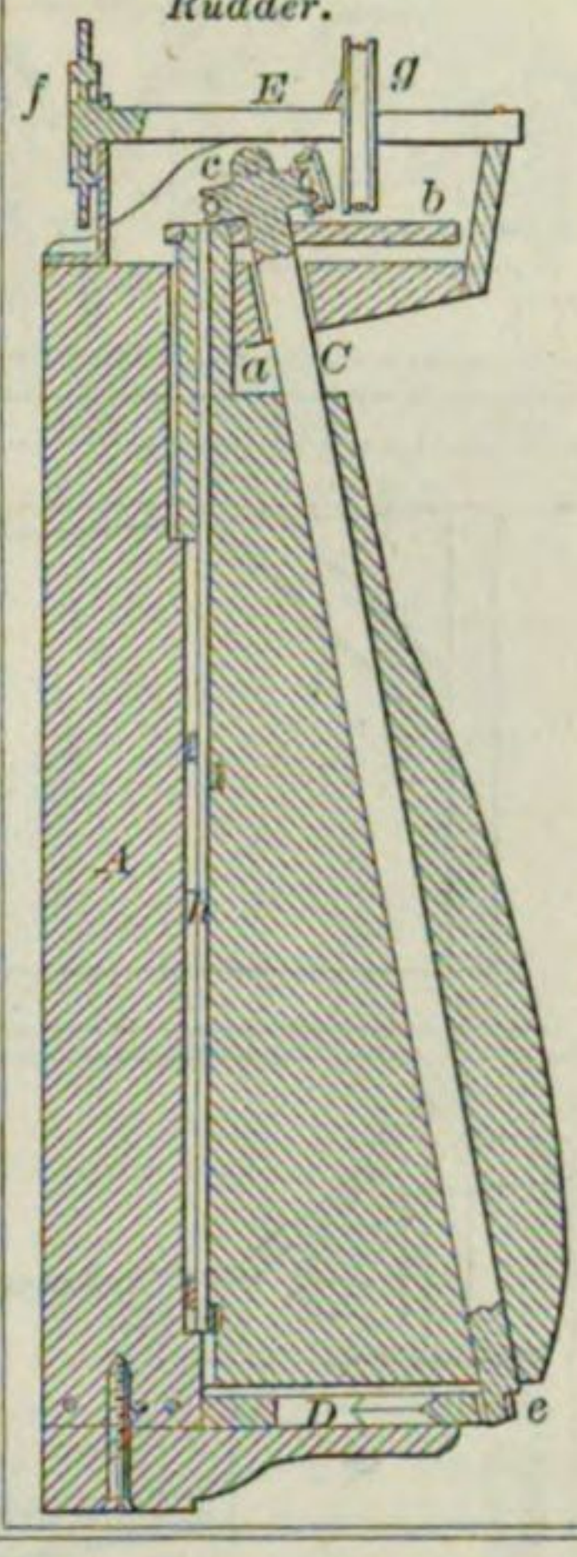




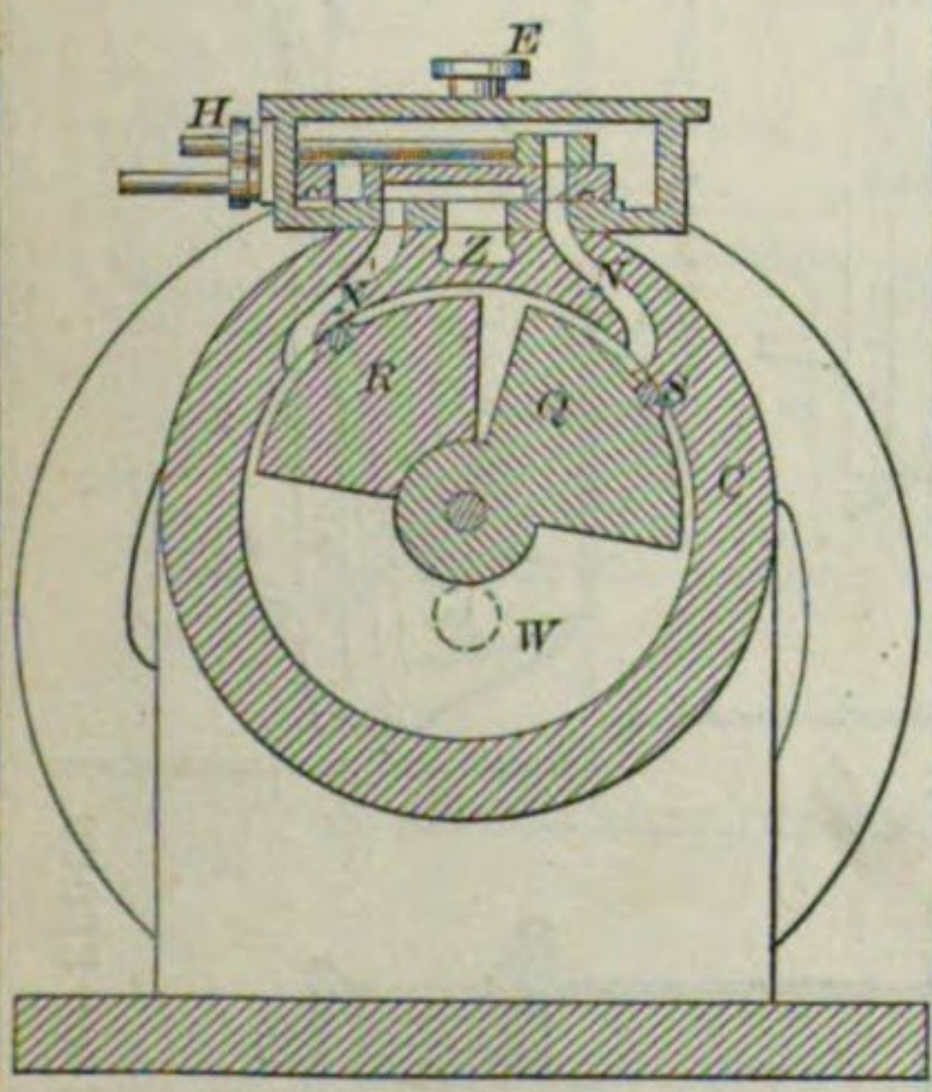
55027—J. G. Wilsou—*Knitting Machine.*



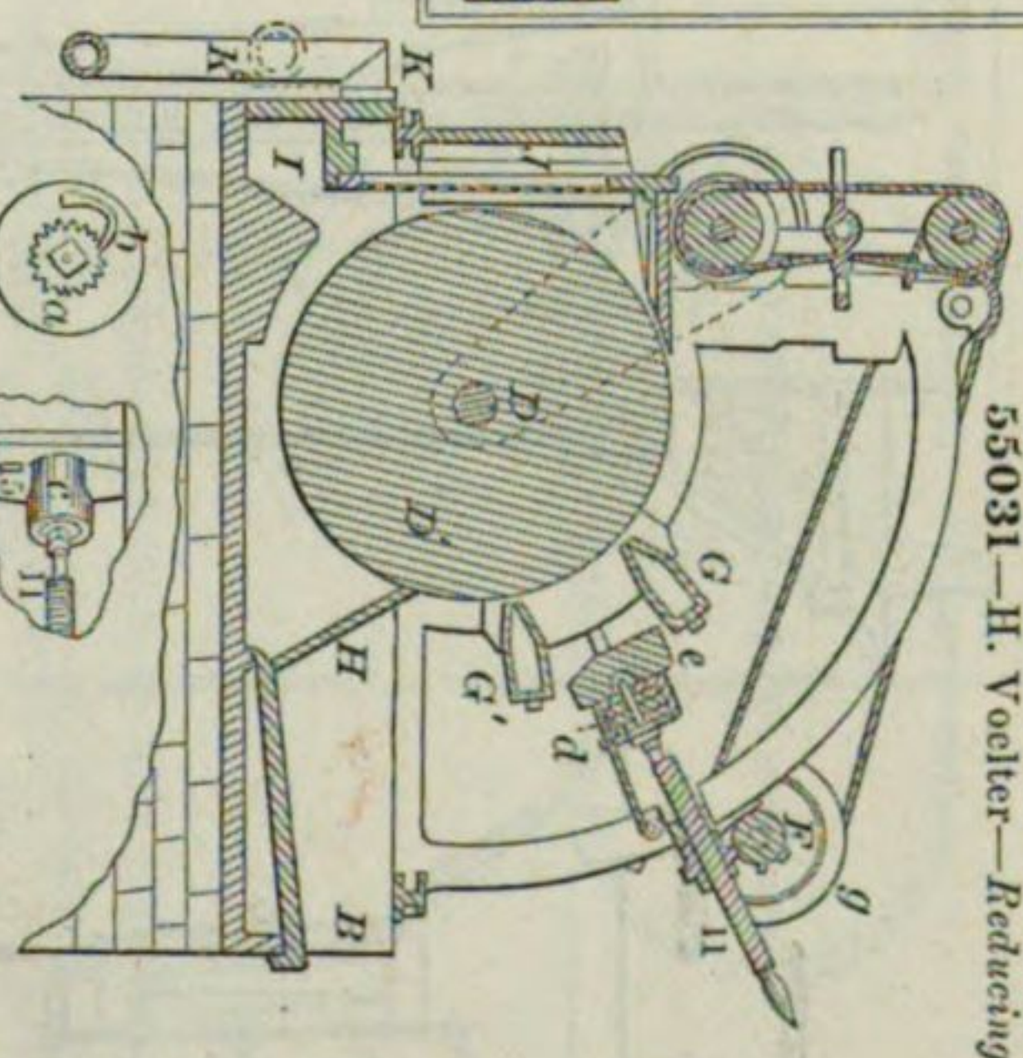
55028—P. Dinzey—*Rudder.*



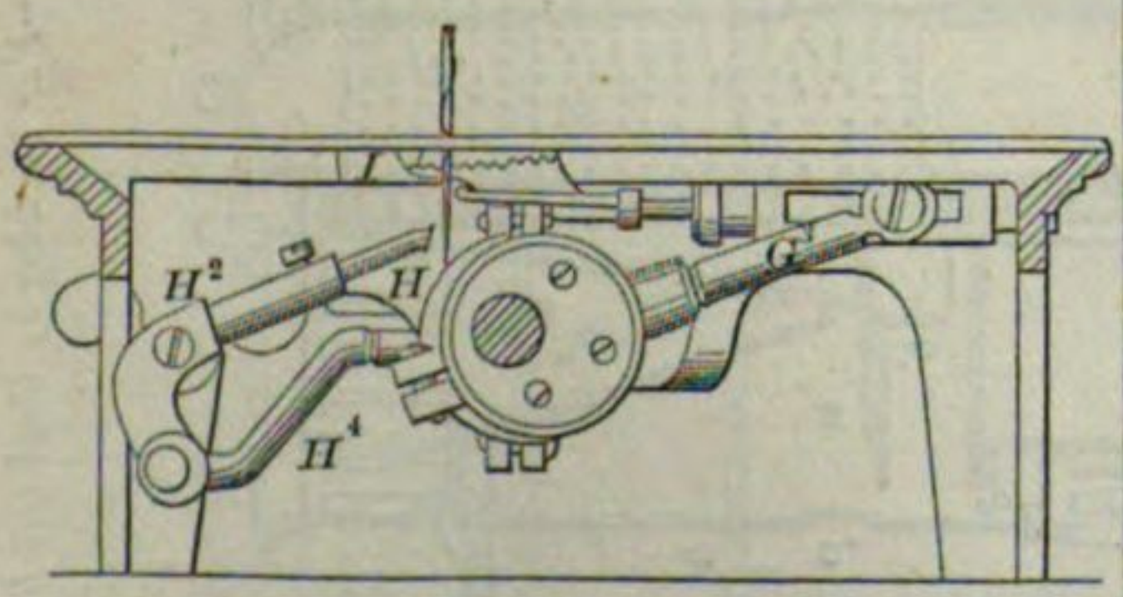
55030—R. W. Thomson—*For Obtaining Motive Power.*

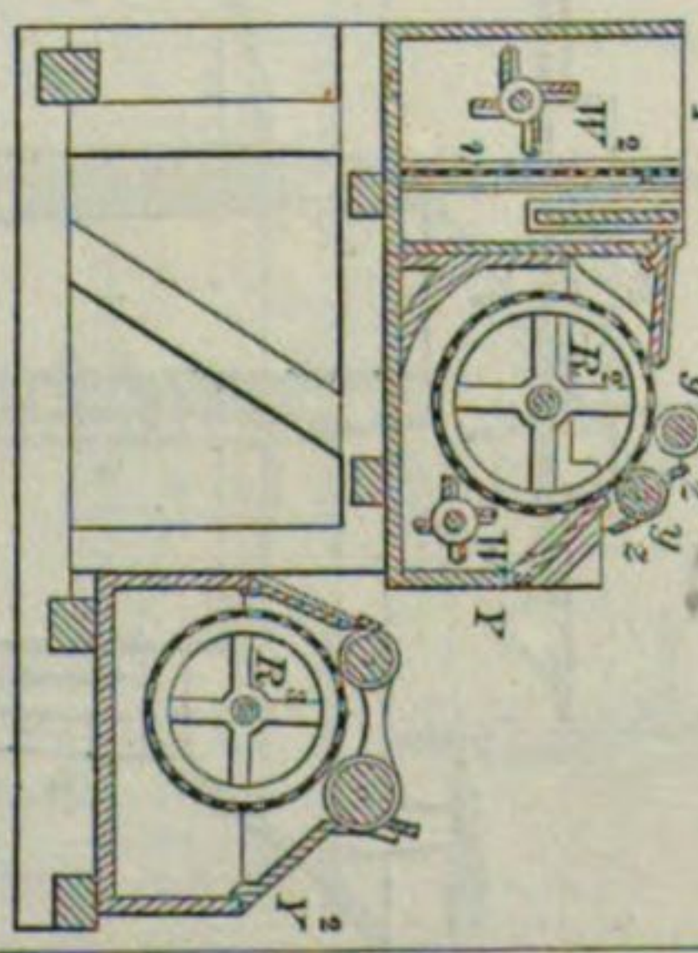


55031—H. Voelter—*Reducing Wood to Paper Pulp.*

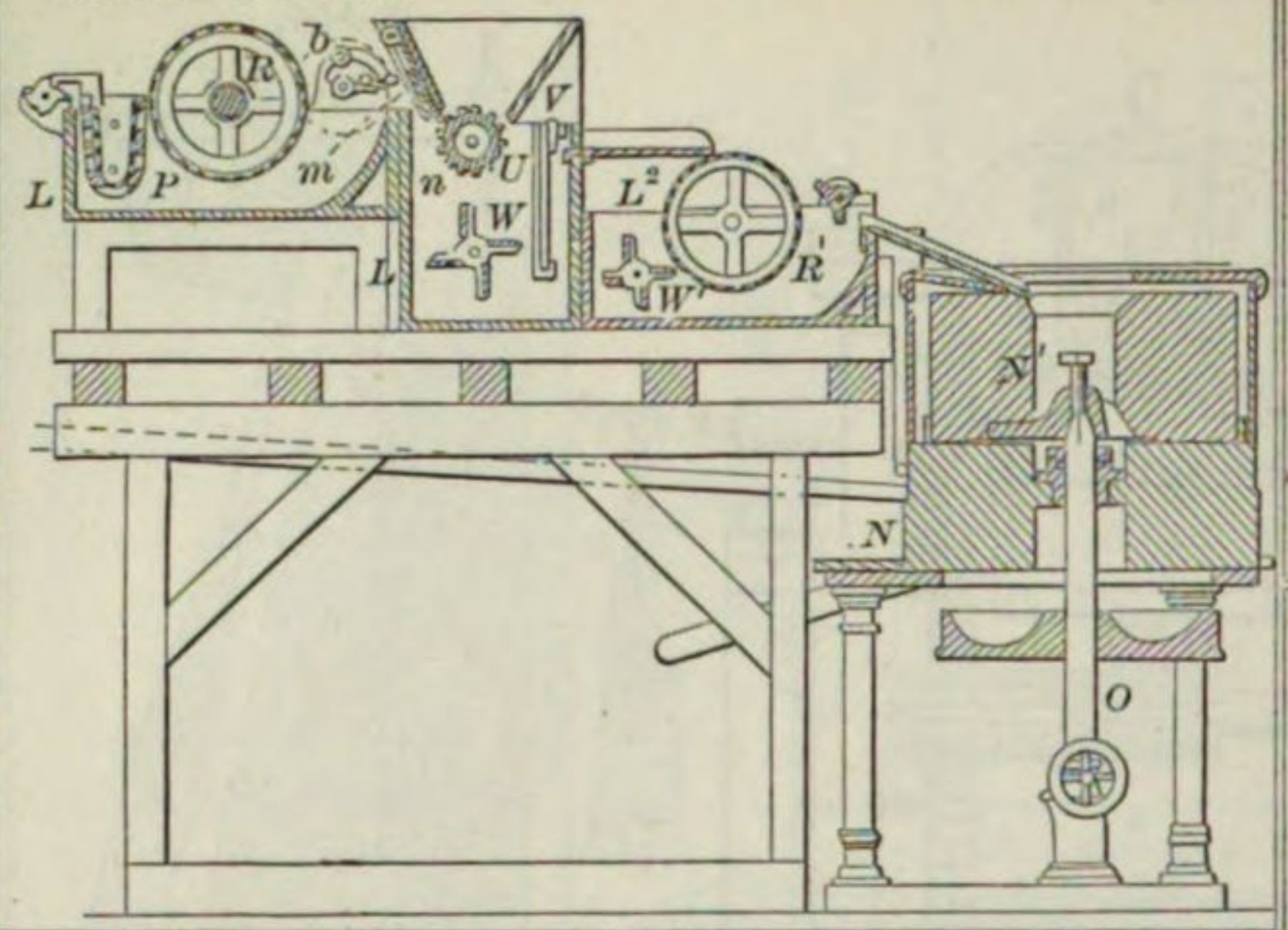


55029—J. Hayes—*Sewing Machine.*

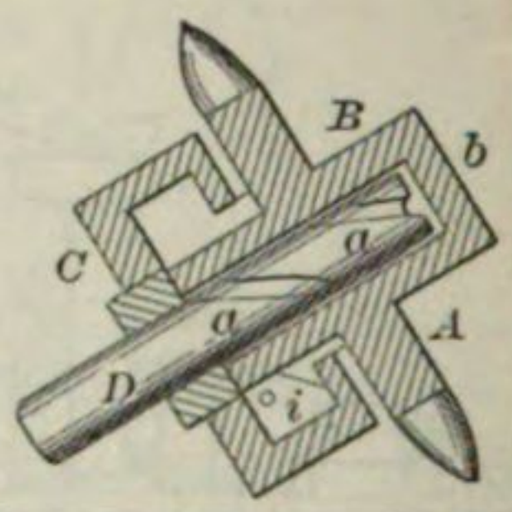




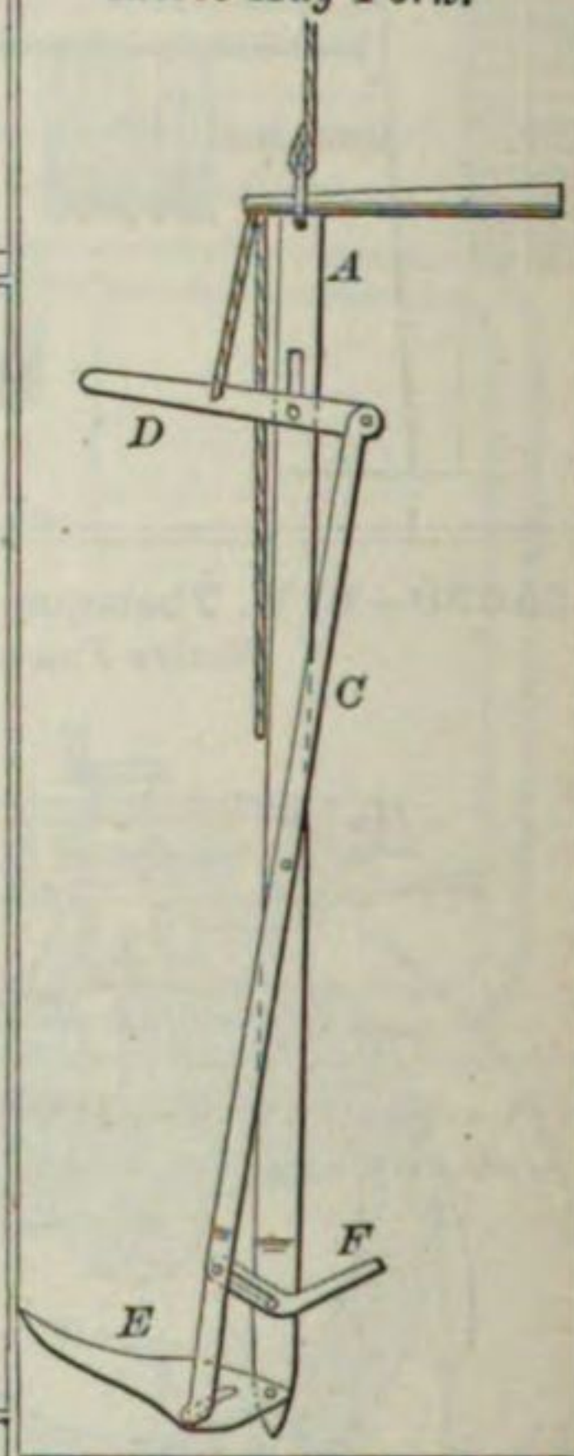
55031—*Continued.*



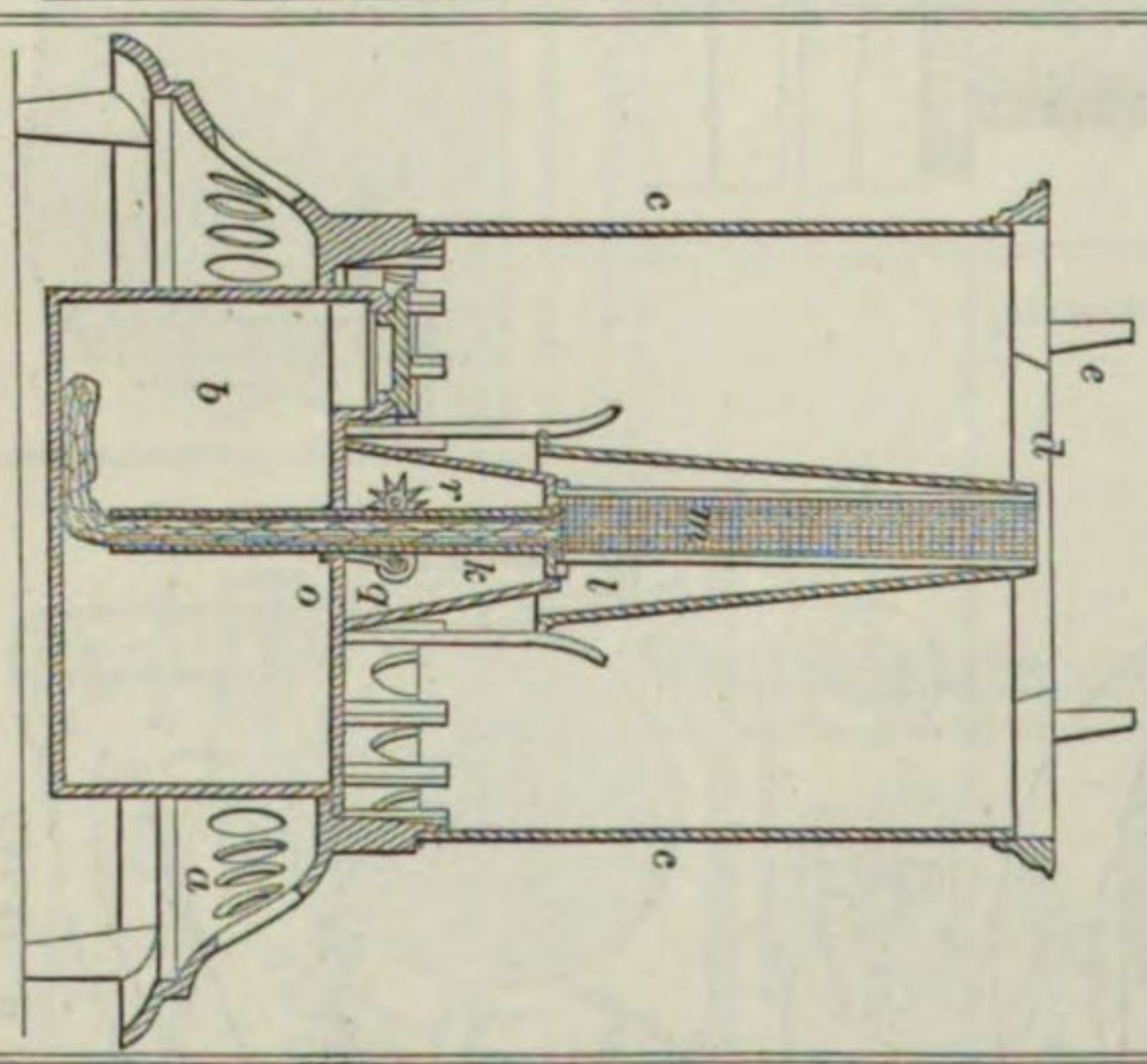
55034—C. Allardice—
Knitting Machine Burr.



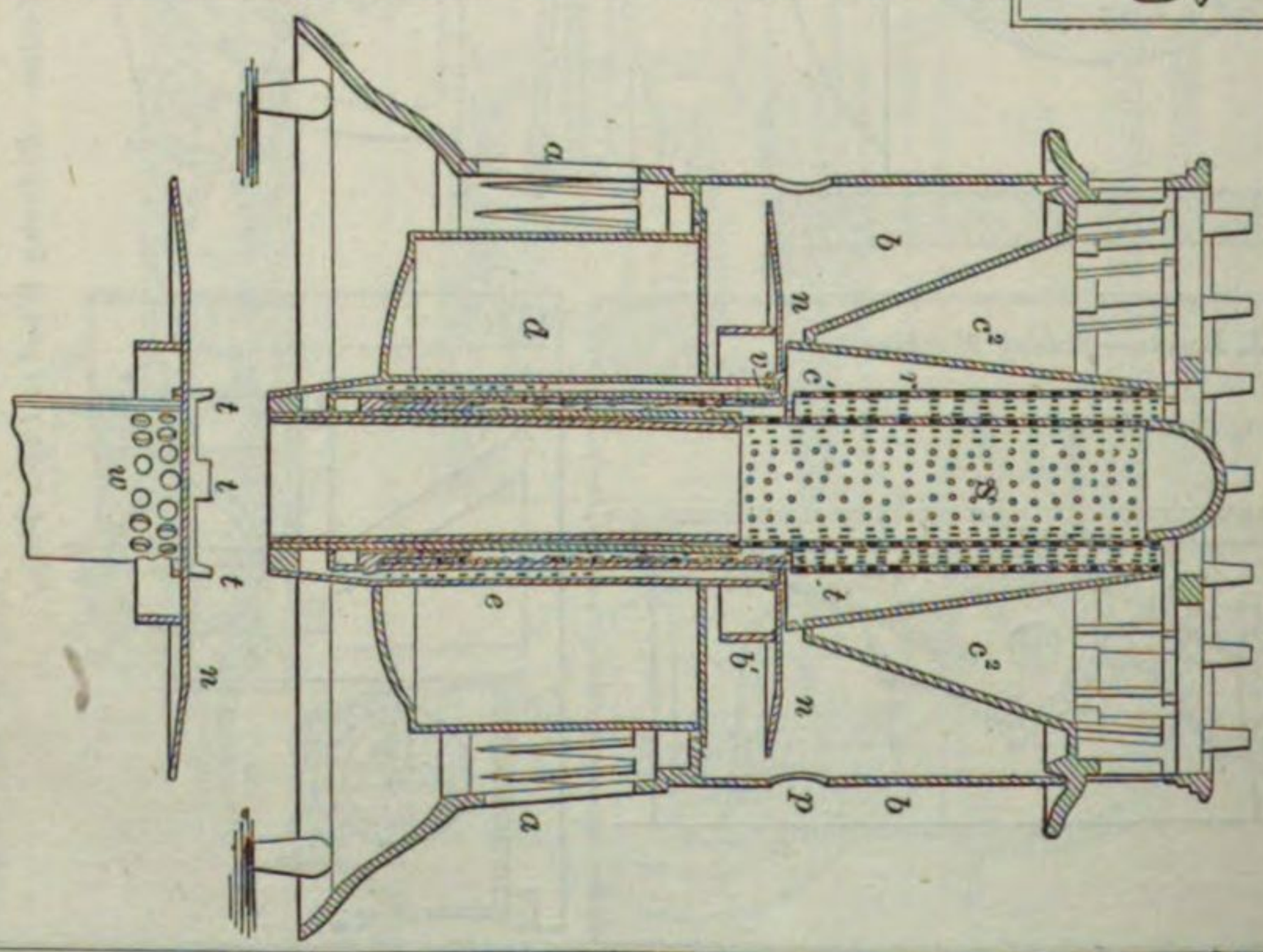
55035—T. H. Arnold—
Horse Hay Fork.



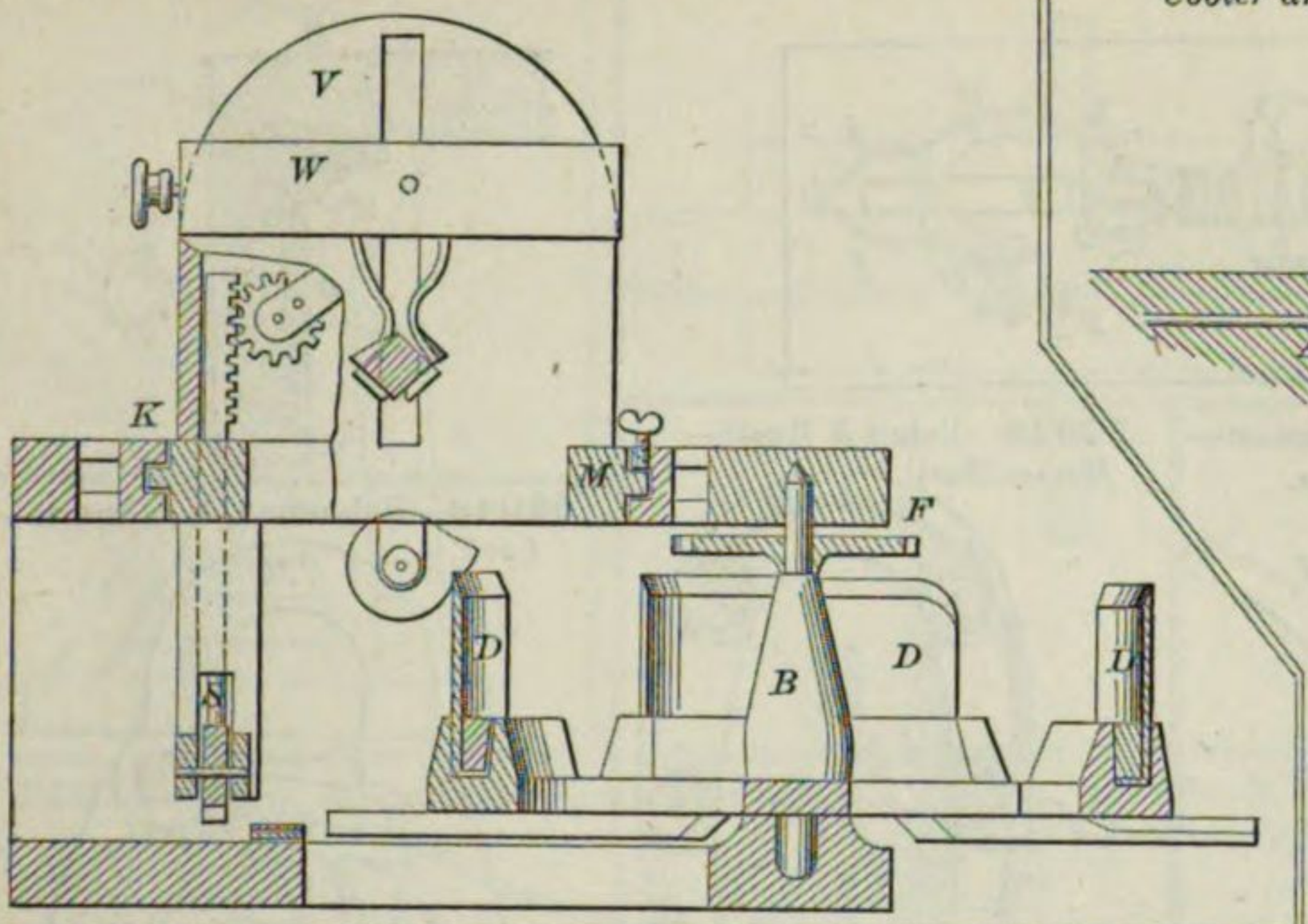
55032—O. F. Morrill—*Petroleum Stove.*



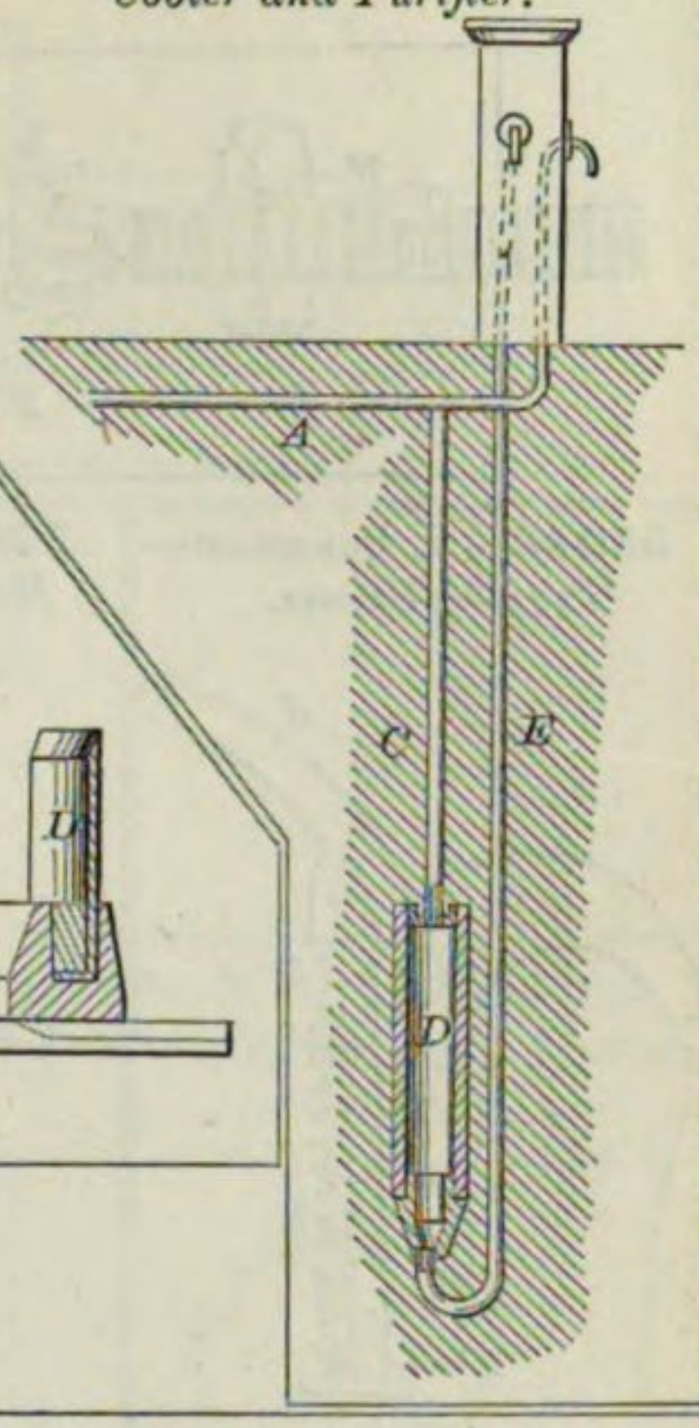
55033—O. F. Morrill—*For Cooking by Coal Oil Burners.*



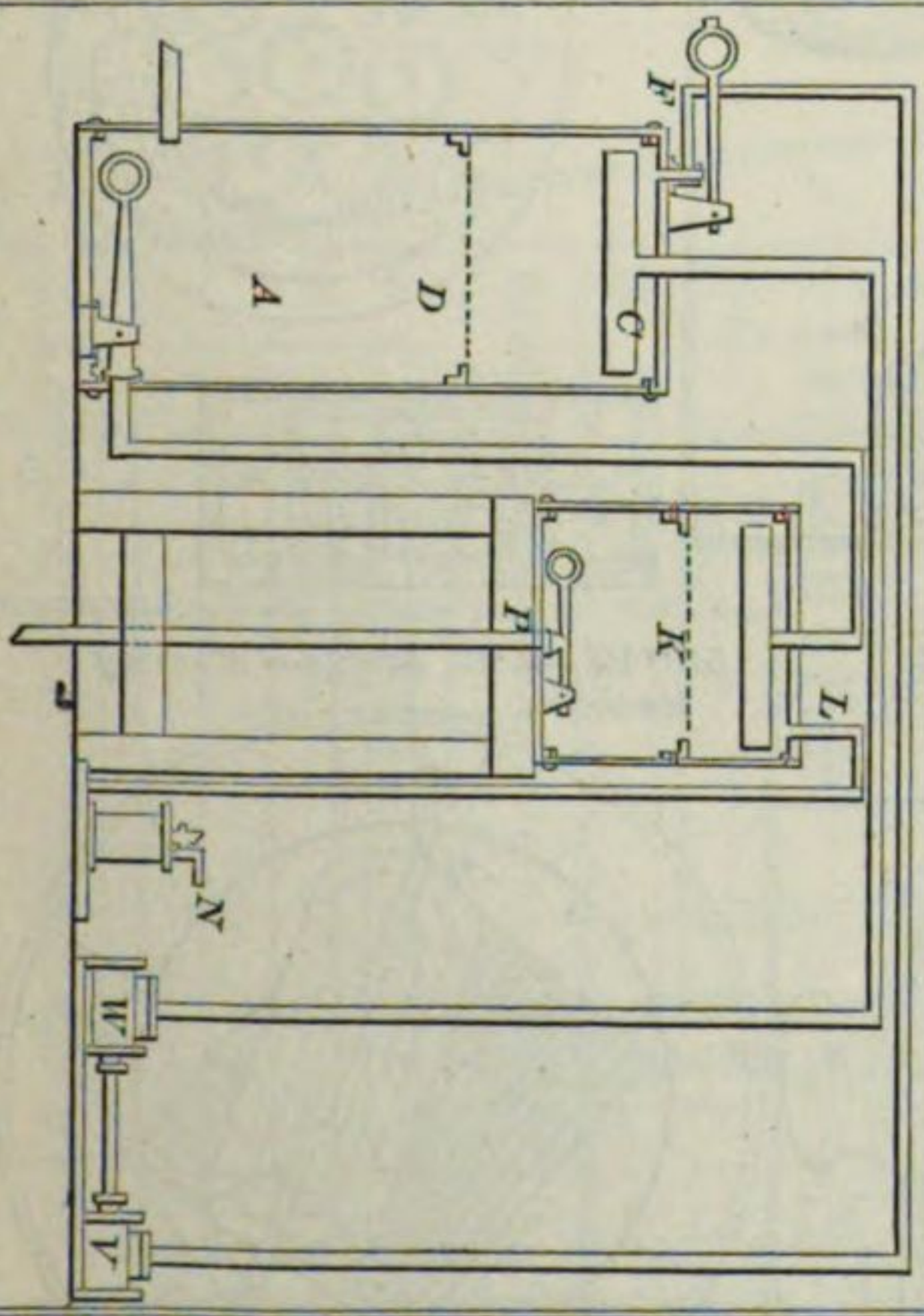
55036—A. J. Bailey—*Cork Cutting Machine.*



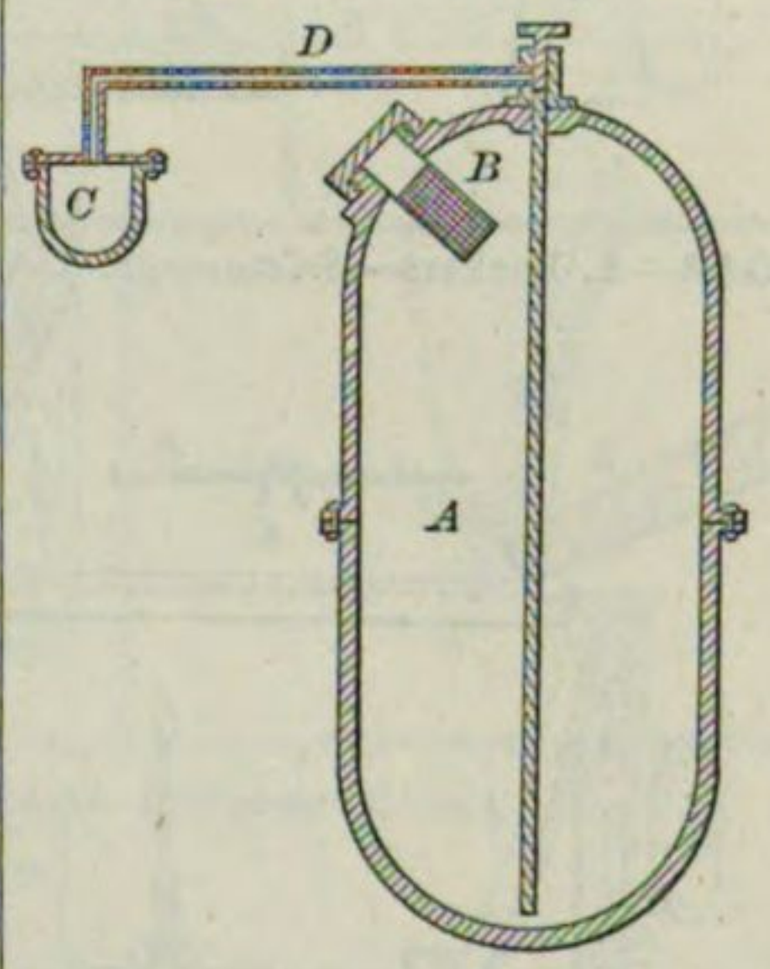
55037—J. M. Baird—*Water Cooler and Purifier.*



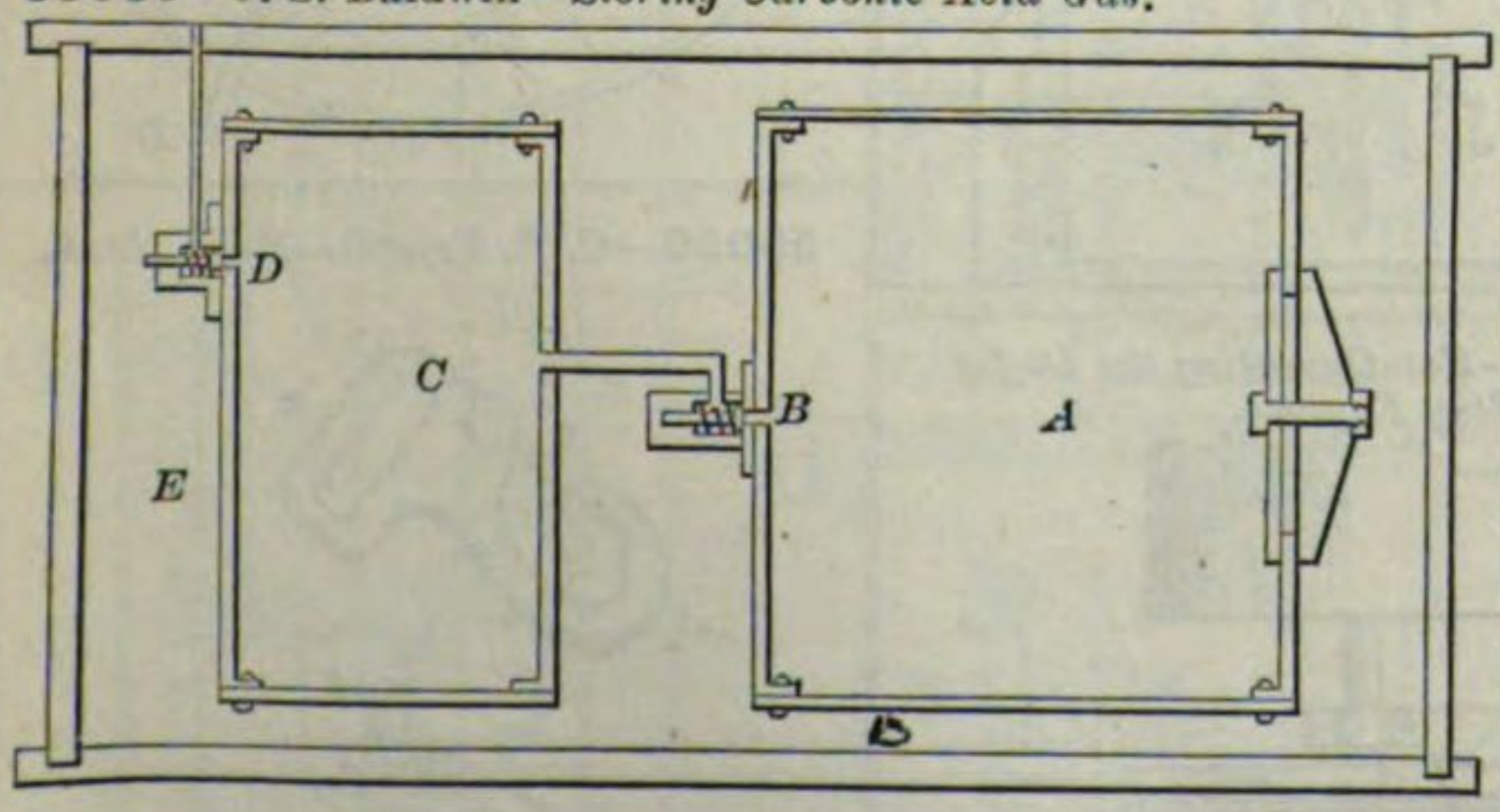
55038—J. S. Baldwin—*Separating Carbonic Acid from Gases.*



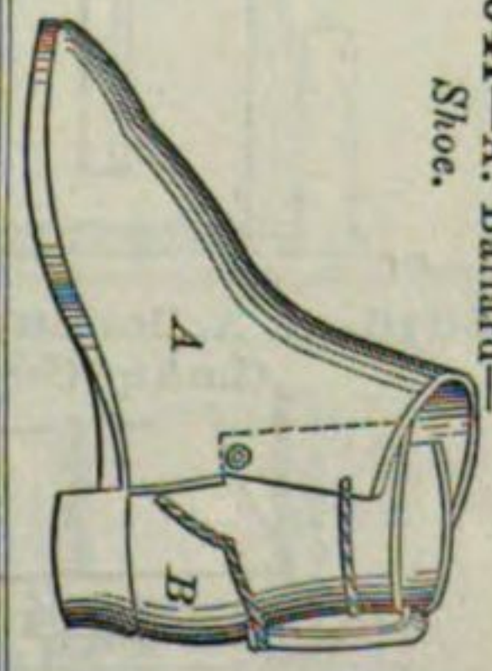
55040—J. S. Baldwin—*Charging Water with Carbonic Acid.*



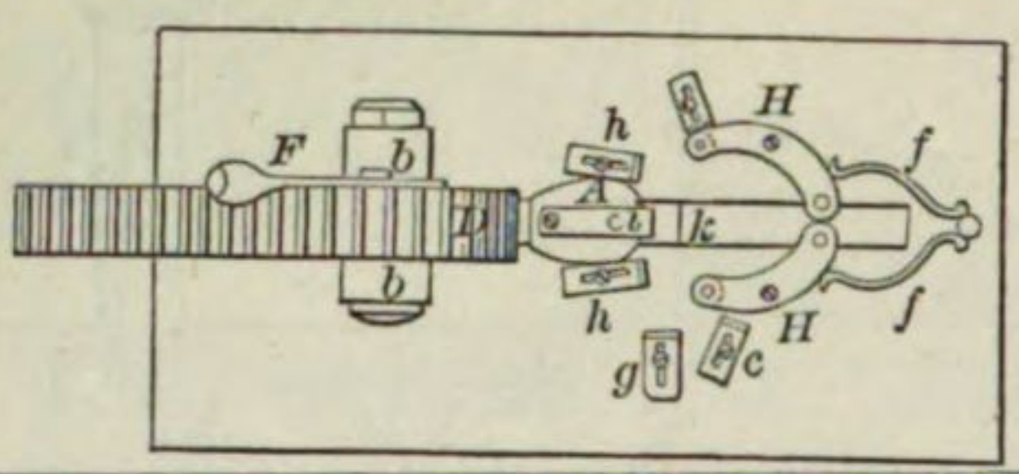
55039—J. S. Baldwin—*Storing Carbonic Acid Gas.*



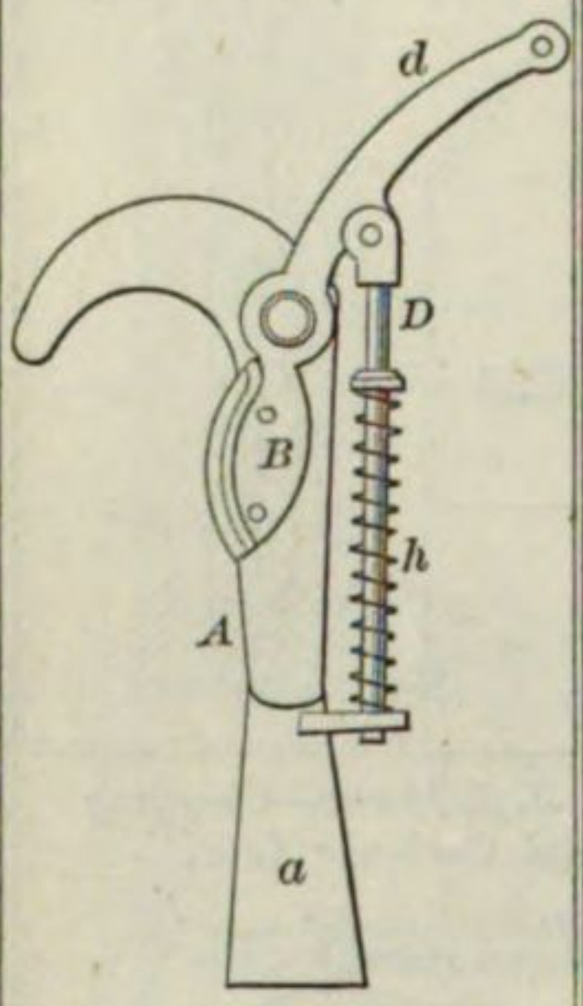
55041—A. Ballard—*Shoe.*



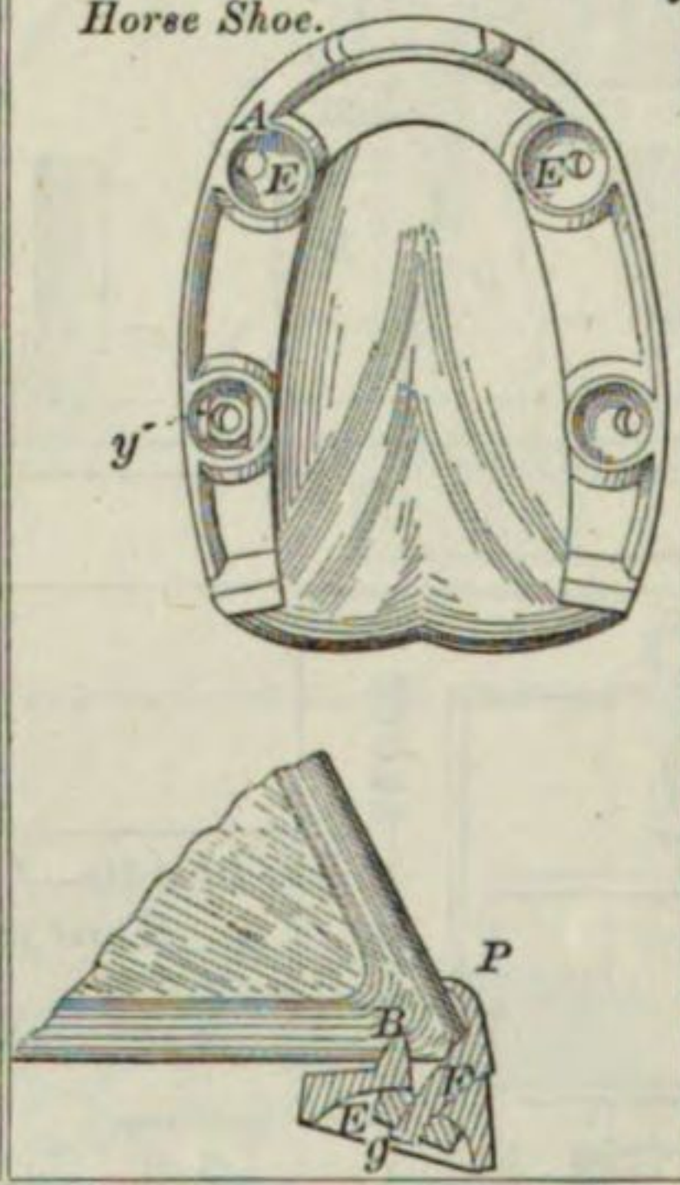
55042—H. J. Batchelder—*For Bending Horse Shoes.*



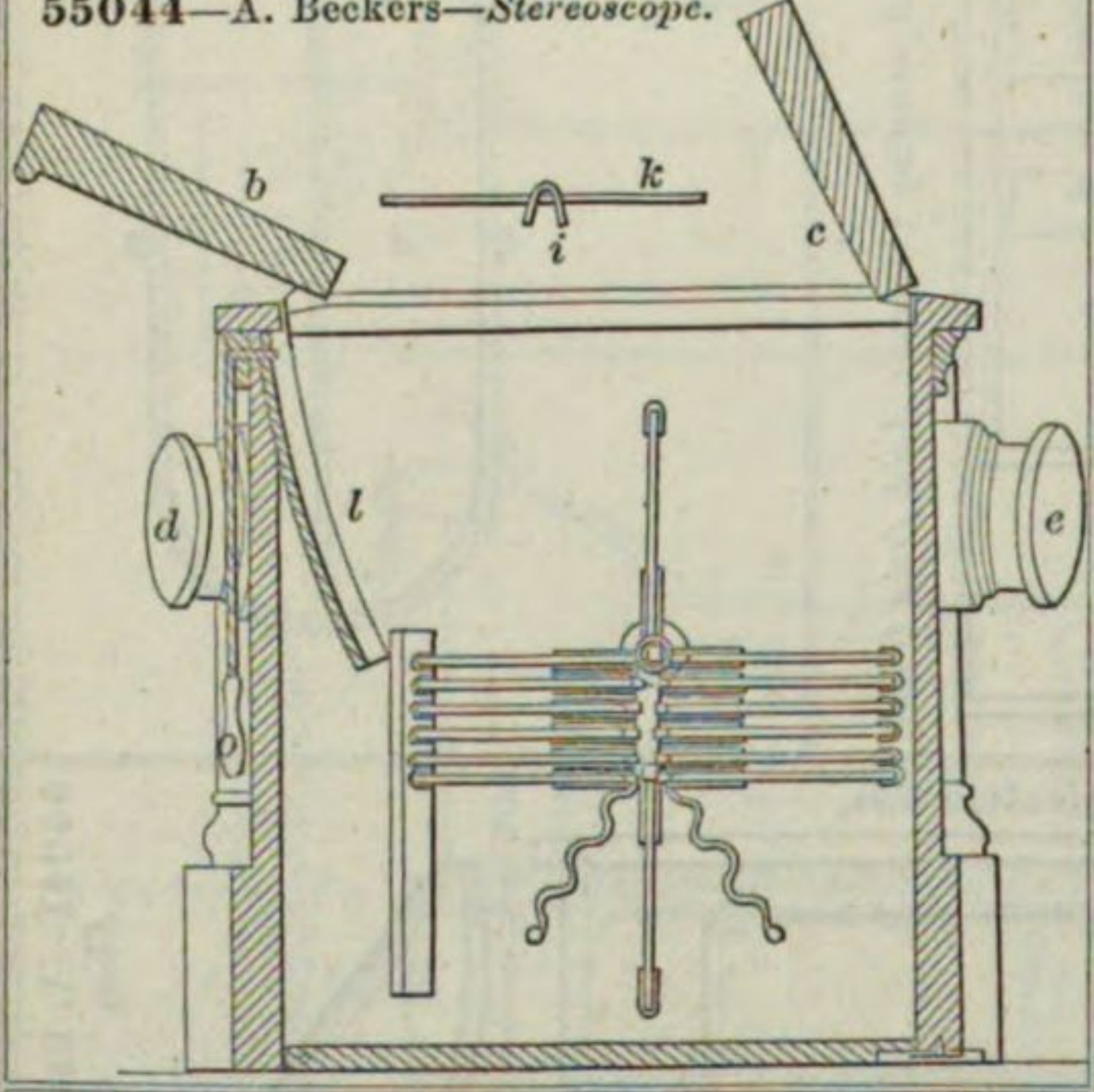
55043—A. Baumann—*Pruning Shears.*



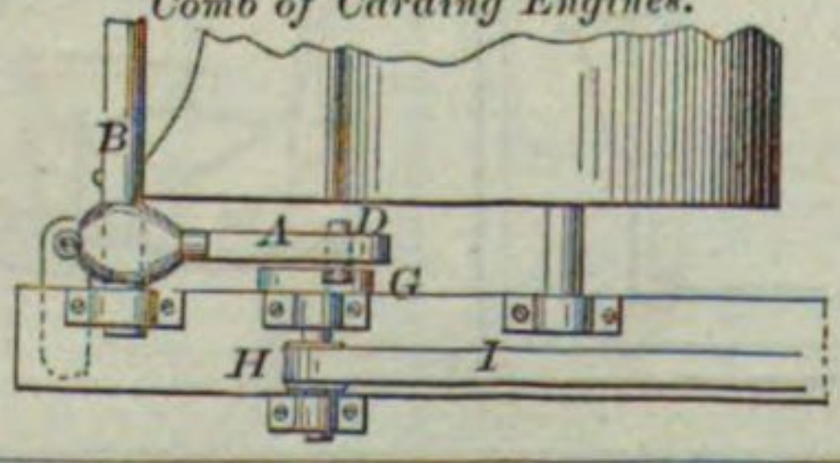
55045—Behel & Buell—*Horse Shoe.*



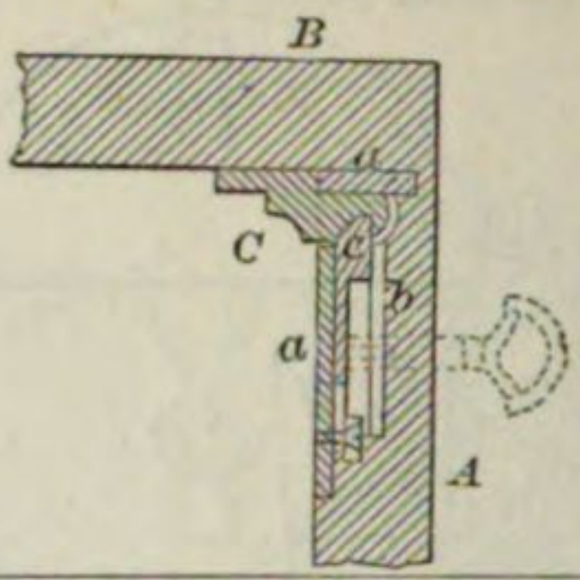
55044—A. Beckers—*Stereoscope.*



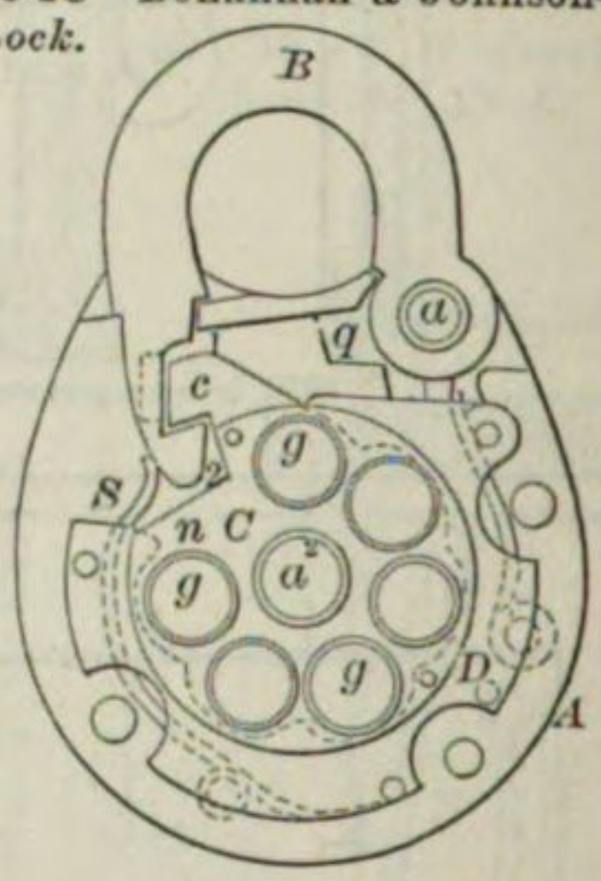
55046—A. A. Bennett—*For Operating the Doffer Comb of Carding Engines.*

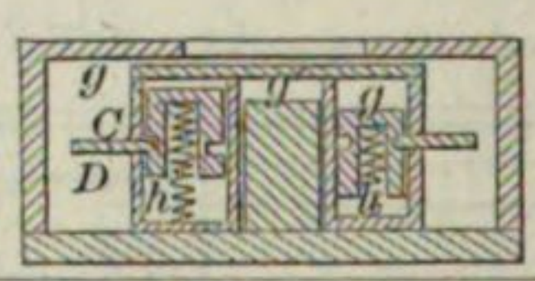


55047—W. Bohannan—*Lock.*

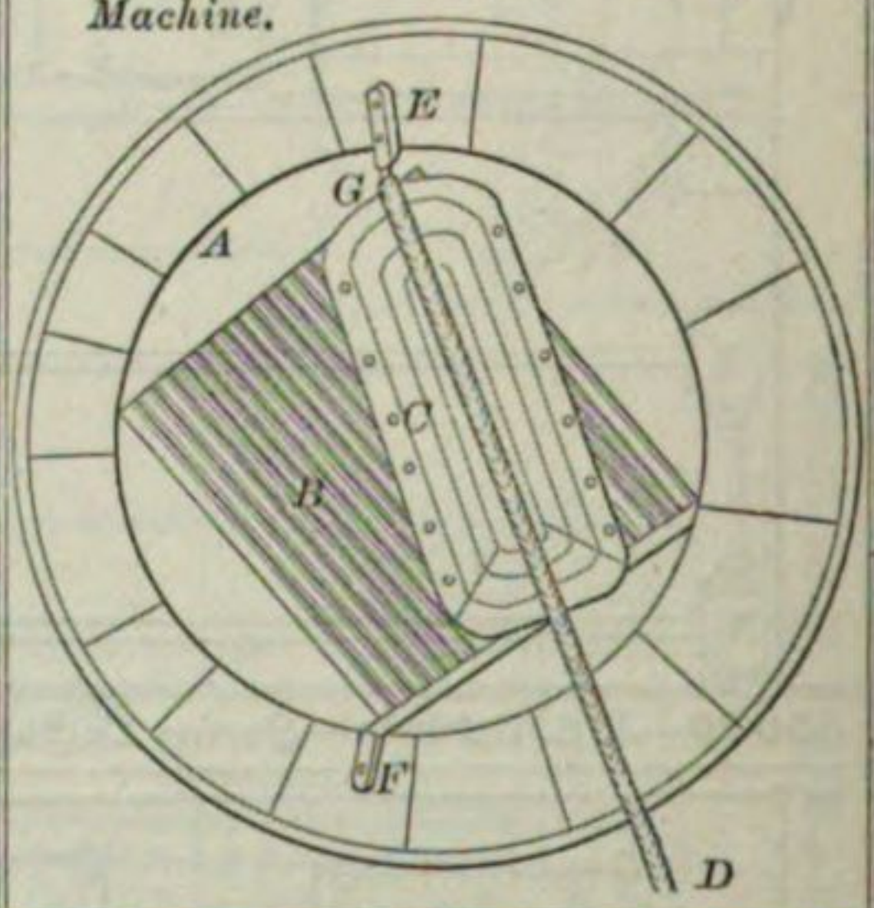


55048—Bohannan & Johnson—*Lock.*

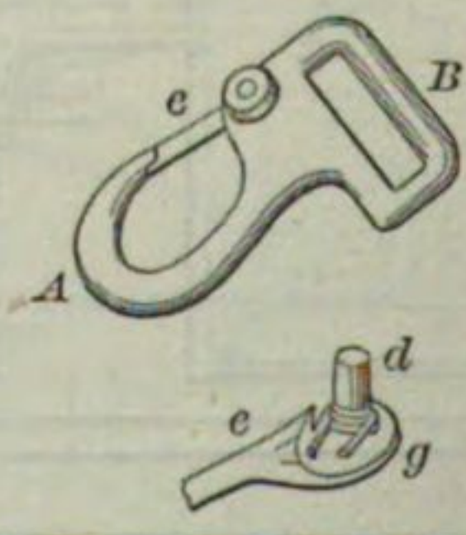




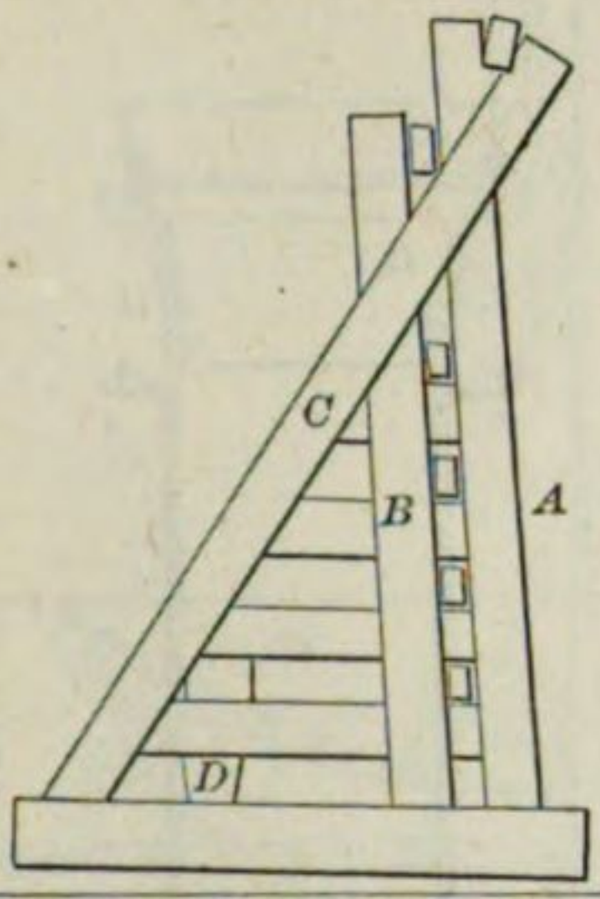
55049—J. E. Briggs—*Washing Machine.*



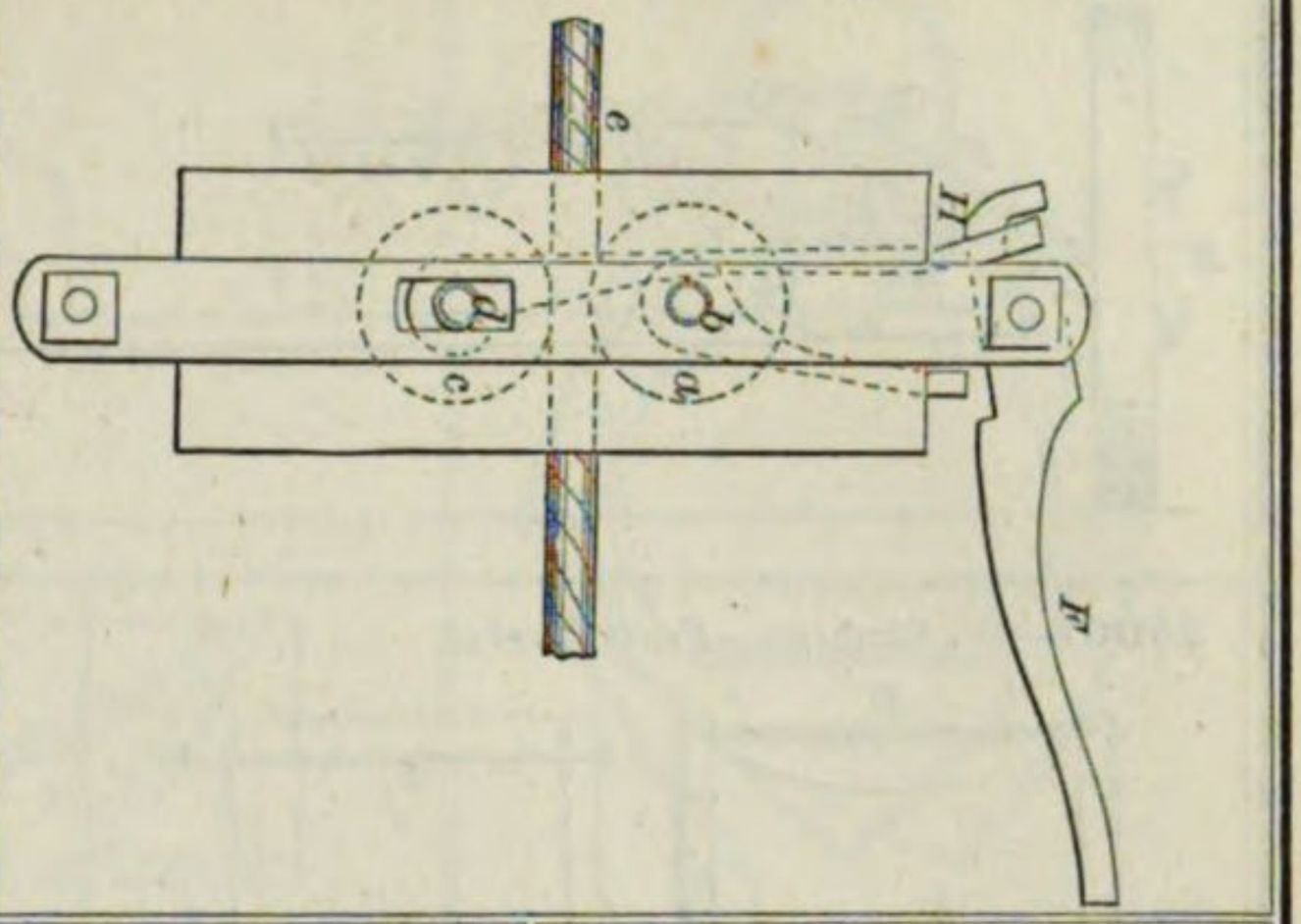
55050—C. B. Bristol—*Snap Hook.*



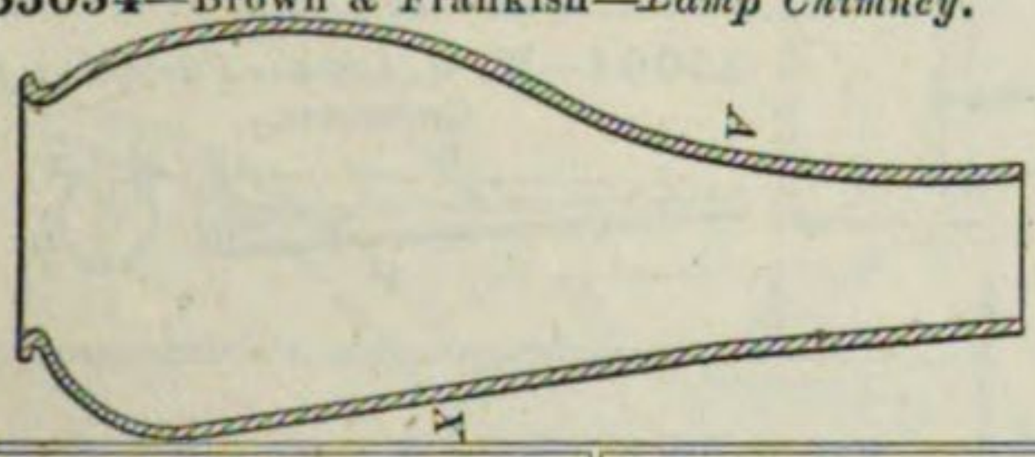
55051—A. Brooker—*Portable Fence.*



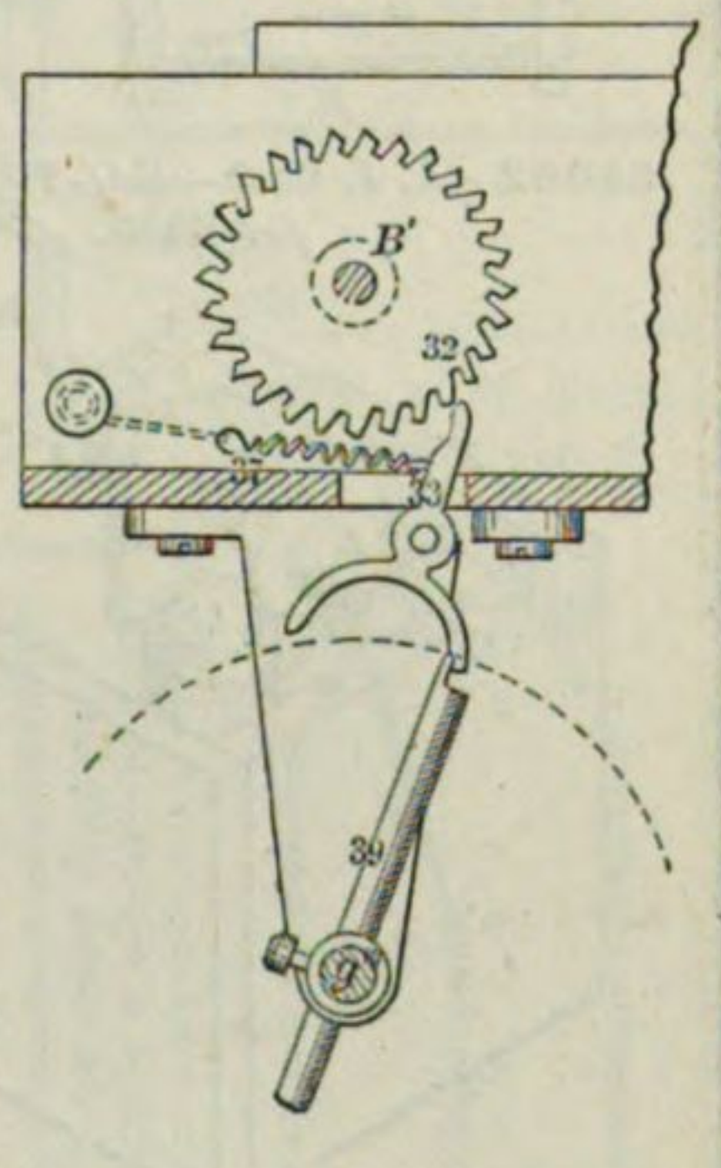
55052—Brown & Level—*For Lowering Ships' Boats.*



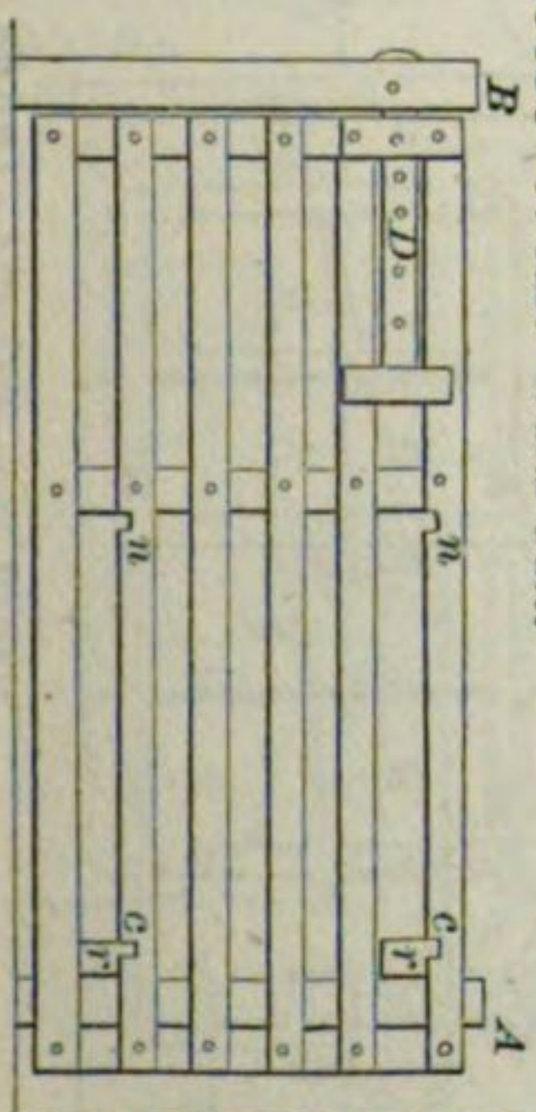
55054—Brown & Frankish—*Lamp Chimney.*



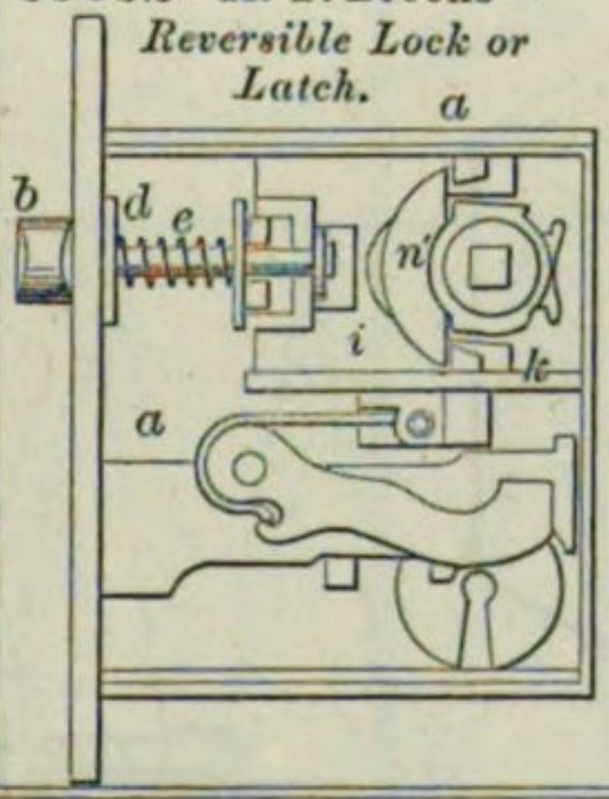
55056—E. A. Calahan—*For Punching Paper for Telegraph.*



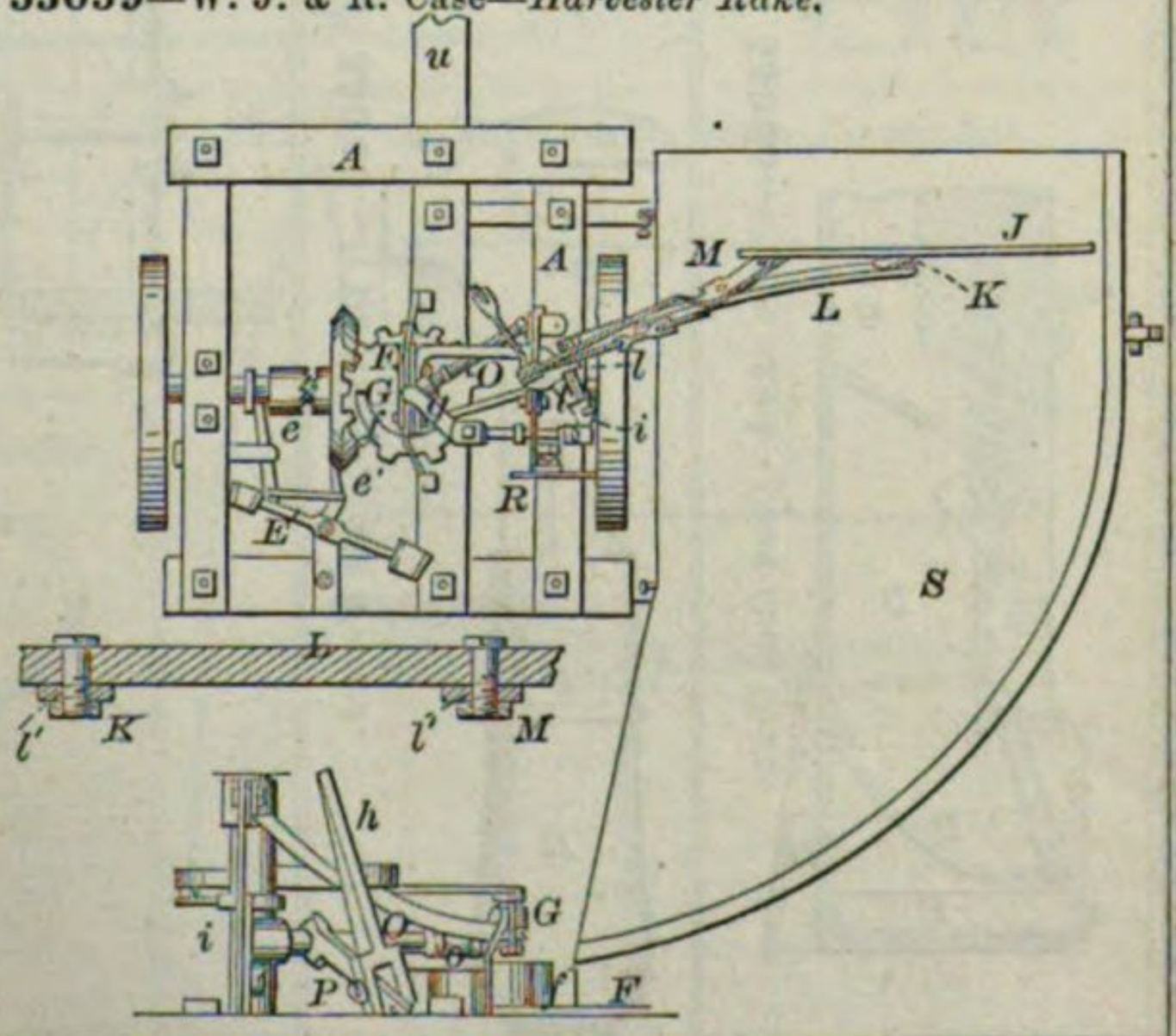
55058—J. Case—*Farm Gate.*



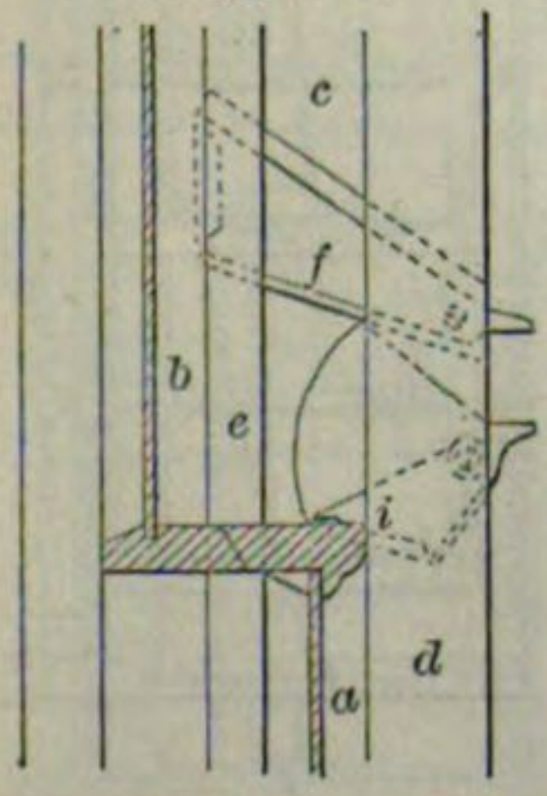
55052—A. T. Brooks—*Reversible Lock or Latch.*



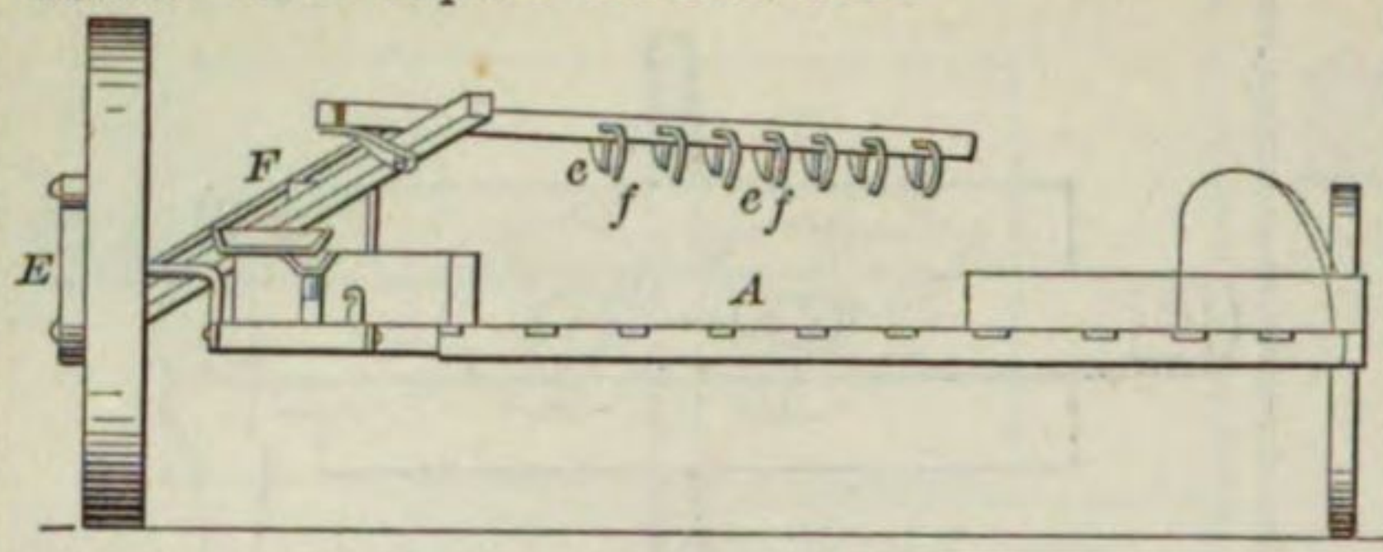
55059—W. J. & R. Case—*Harvester Rake.*



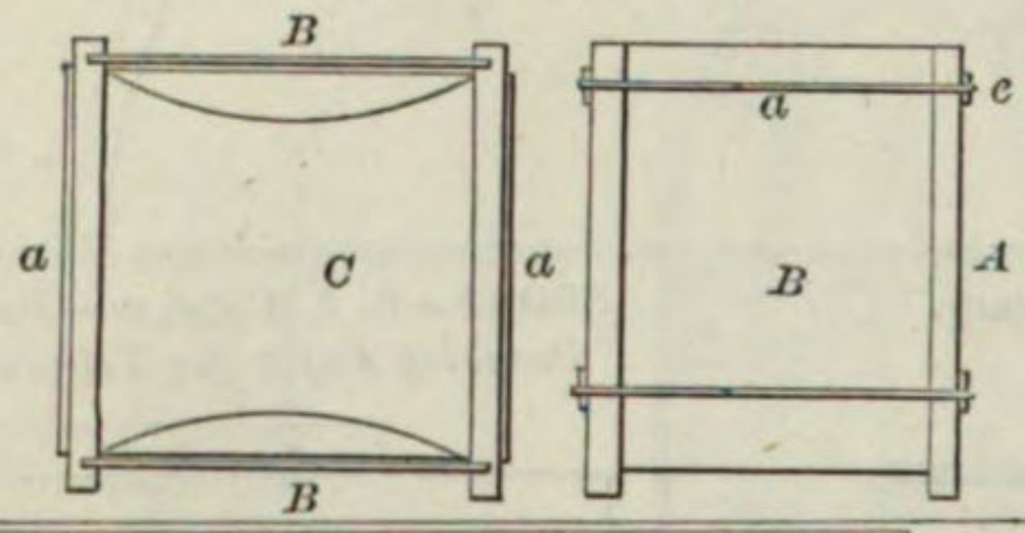
55057—E. A. Campbell—*Sash Supporter.*



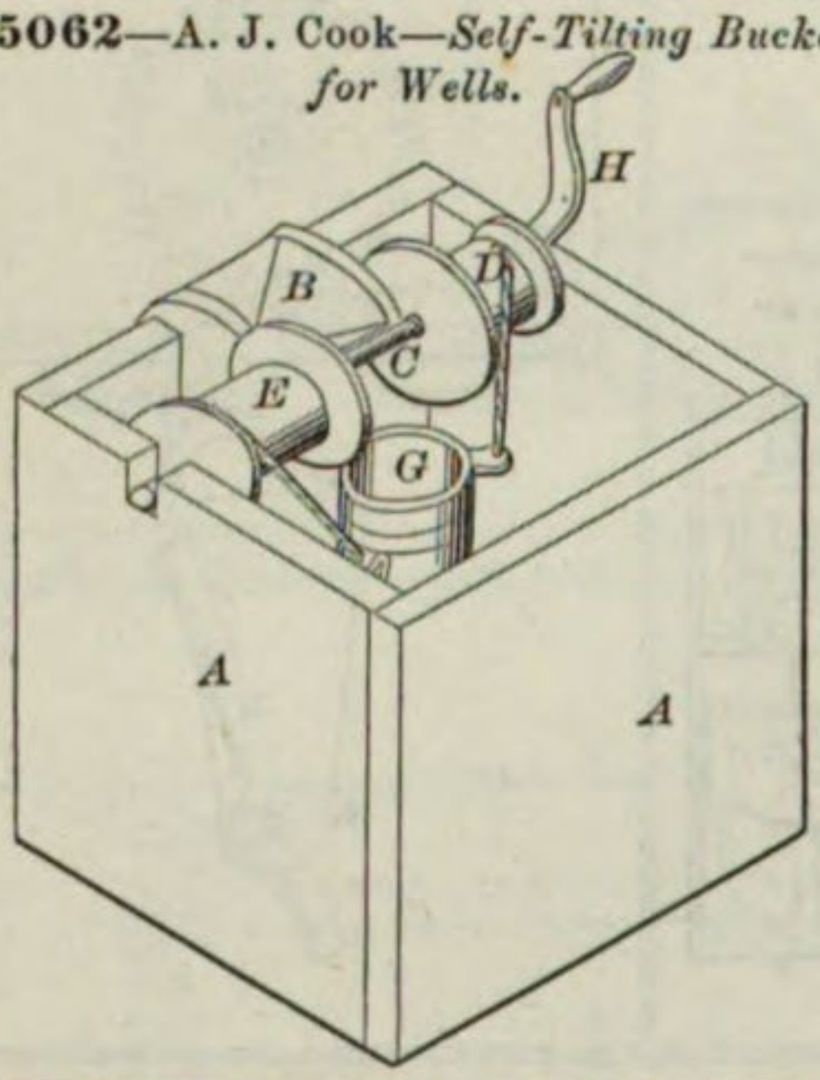
55060—P. C. Chipron—*Harvester Rake.*



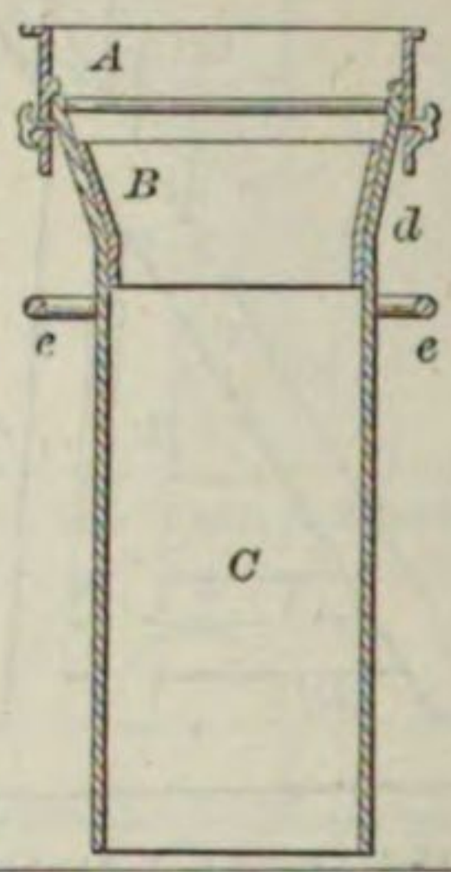
55061—W. Clement—*Fruit Basket.*



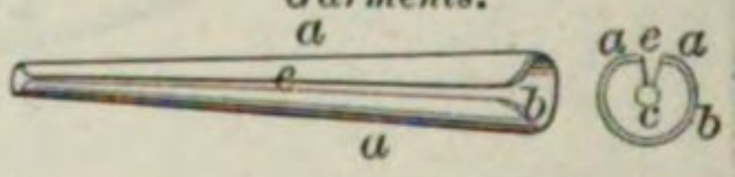
55062—A. J. Cook—*Self-Tilting Bucket for Wells.*



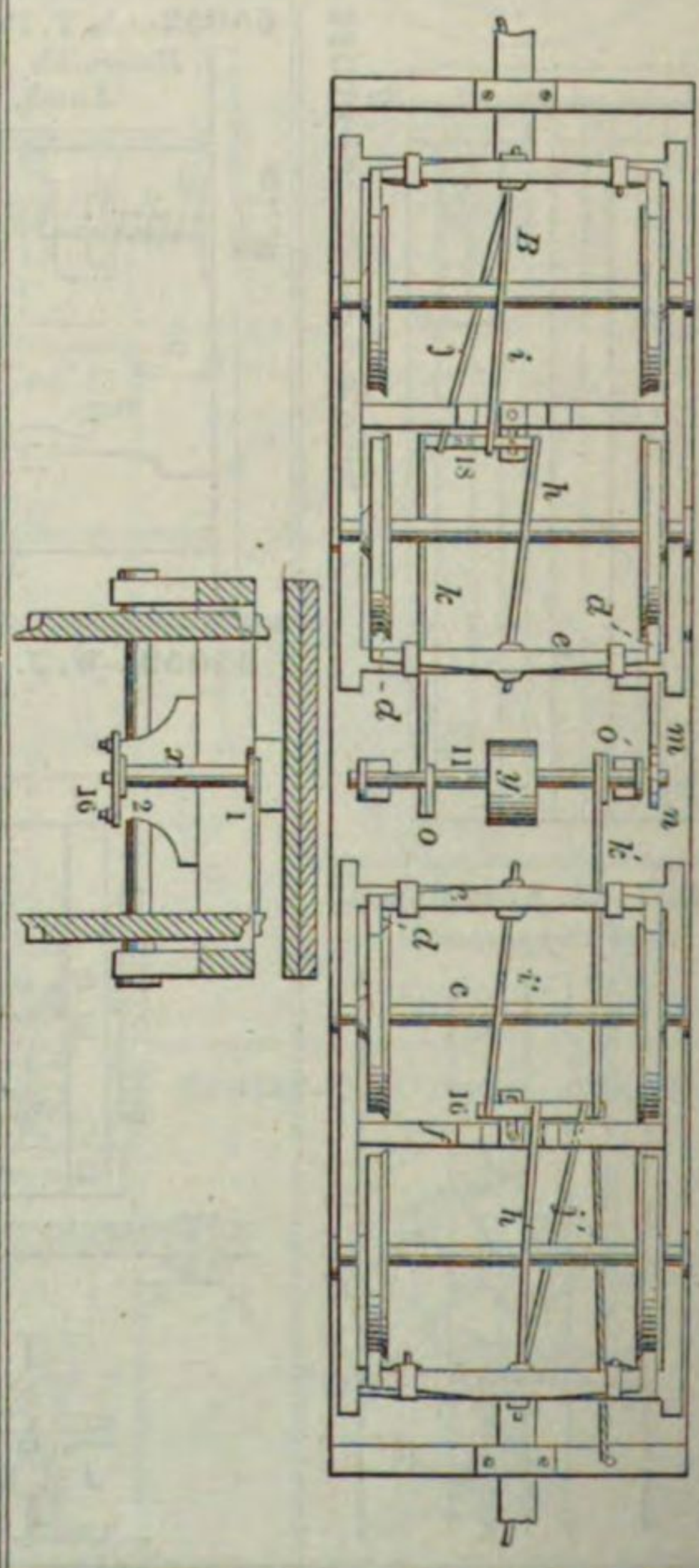
55063—I. Cook—*Flour Packer.*



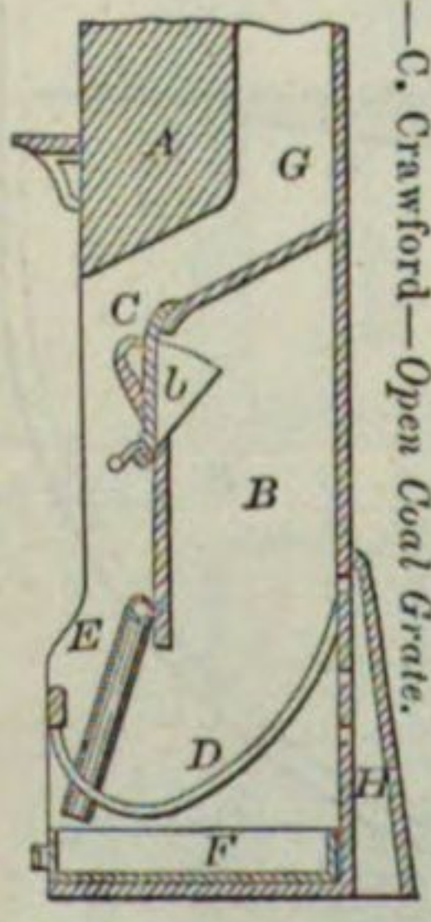
55064—W. G. Cook—*Fastening for Garments.*



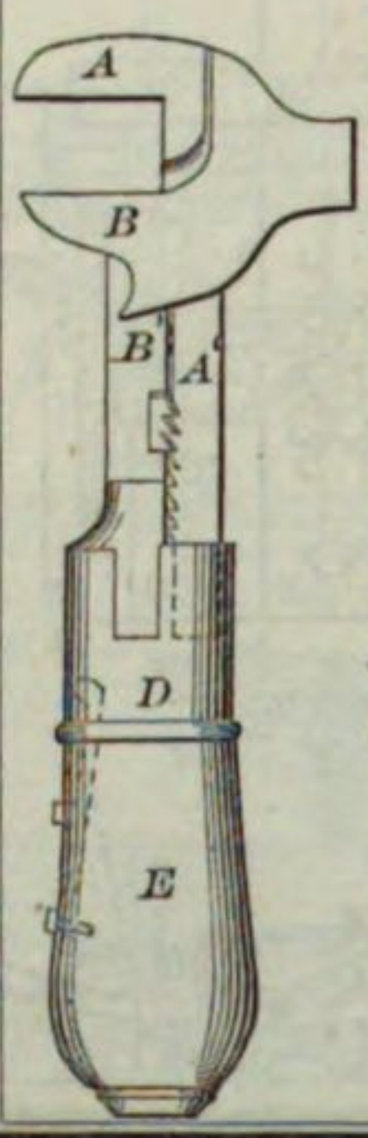
55067—J. Davis—*Car Brake.*



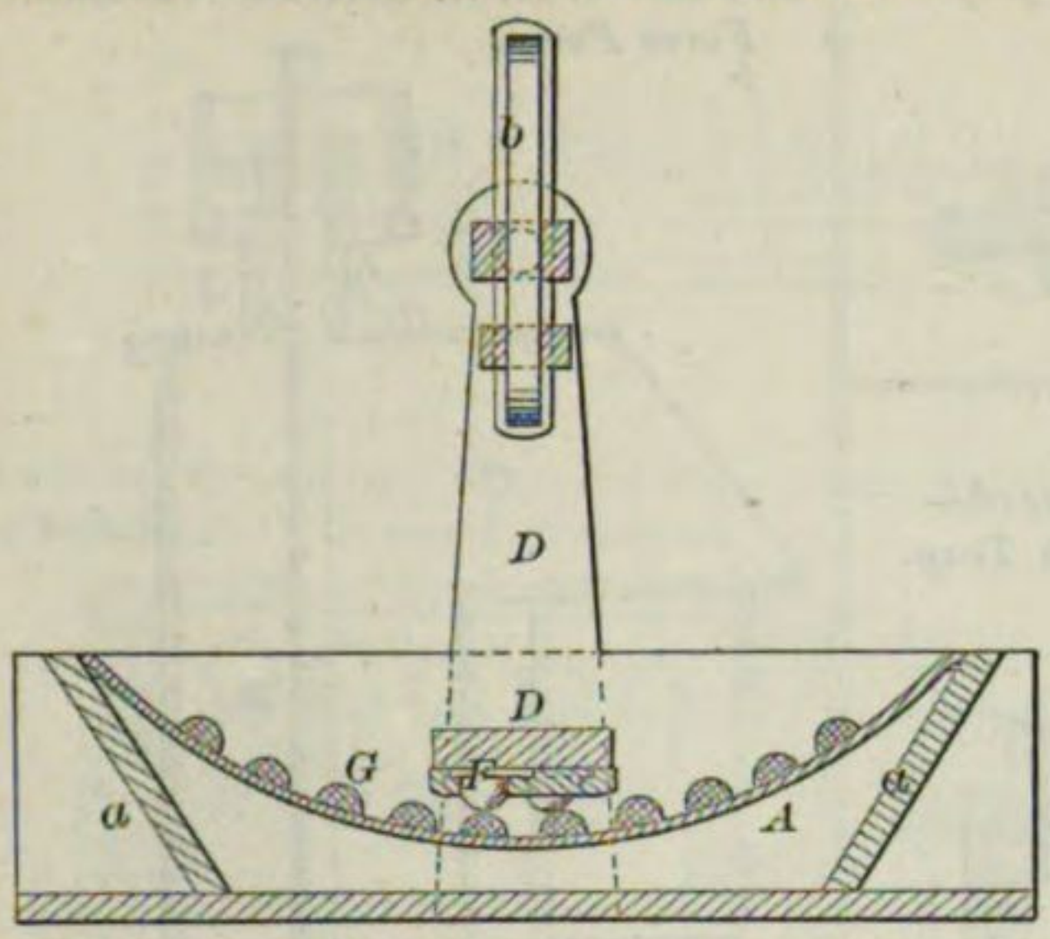
55065—C. Crawford—*Open Coal Grate.*



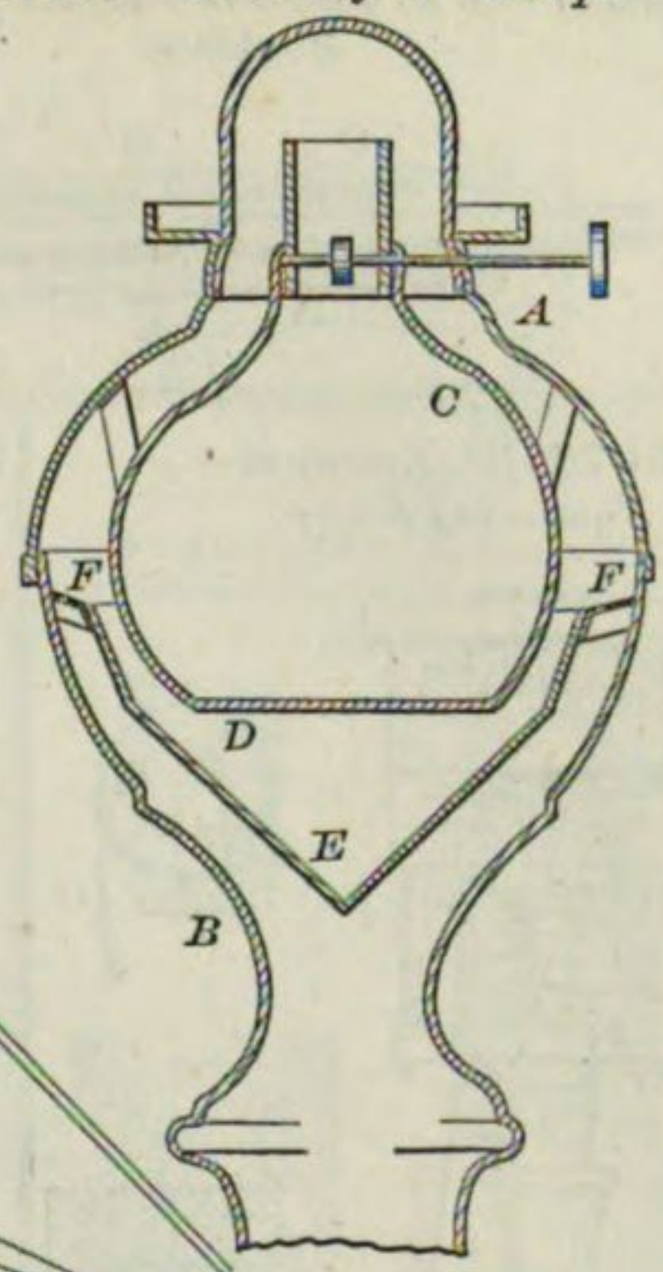
55066—J. L. Crist—*Screw Wrench.*



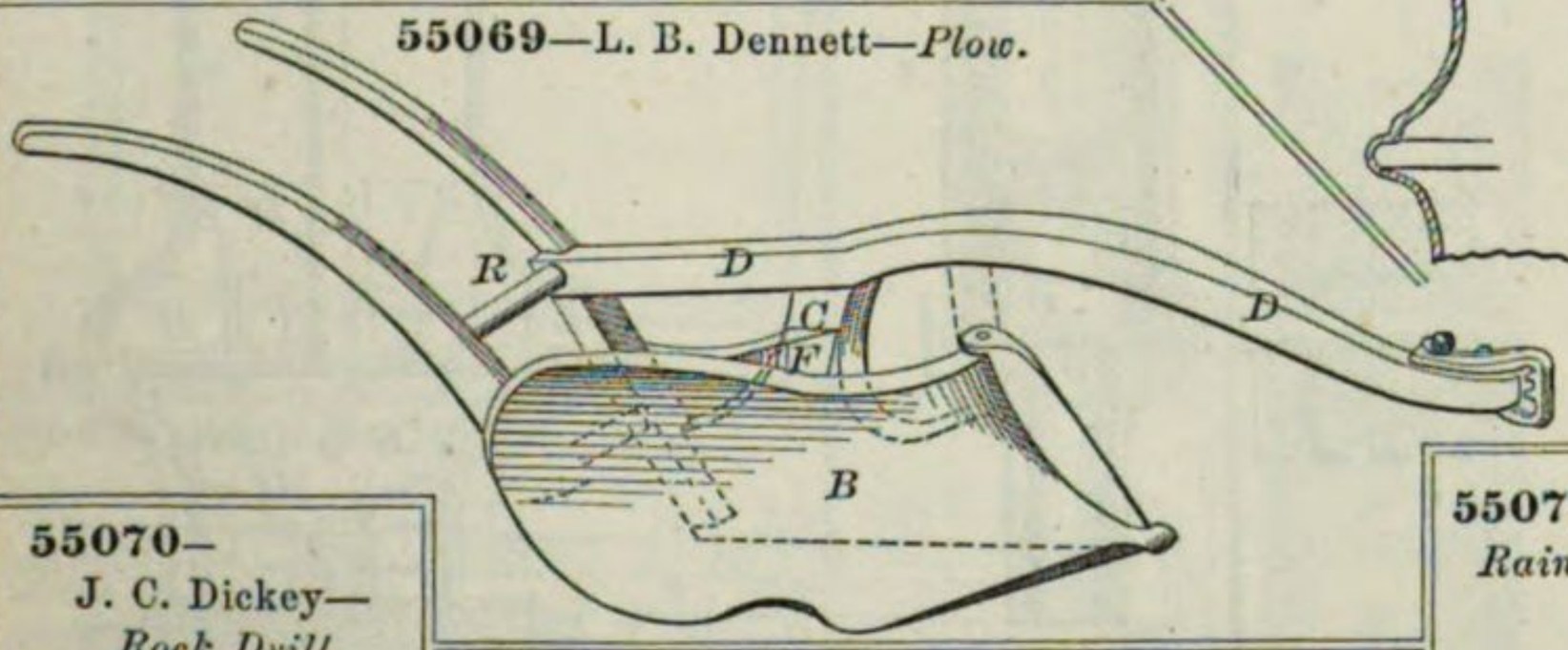
55068—G. M. Denison—*Washing Machine.*



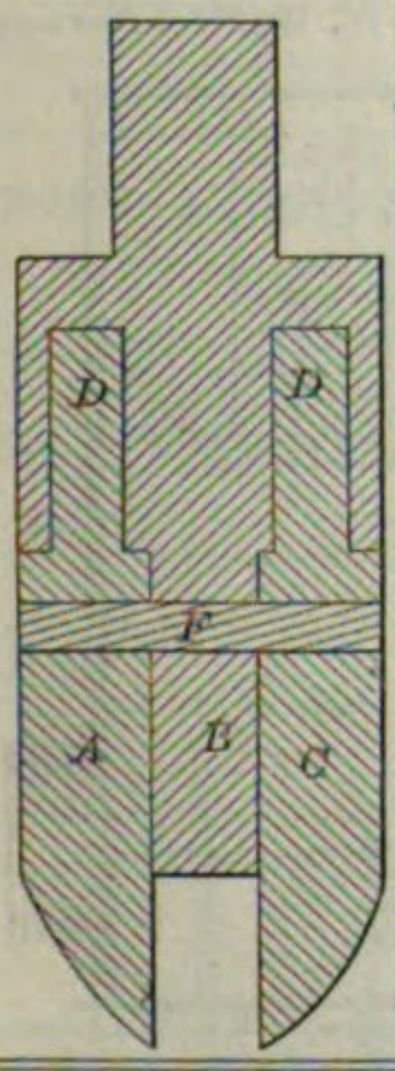
55075—M. B. Dyott—*Lamp.*



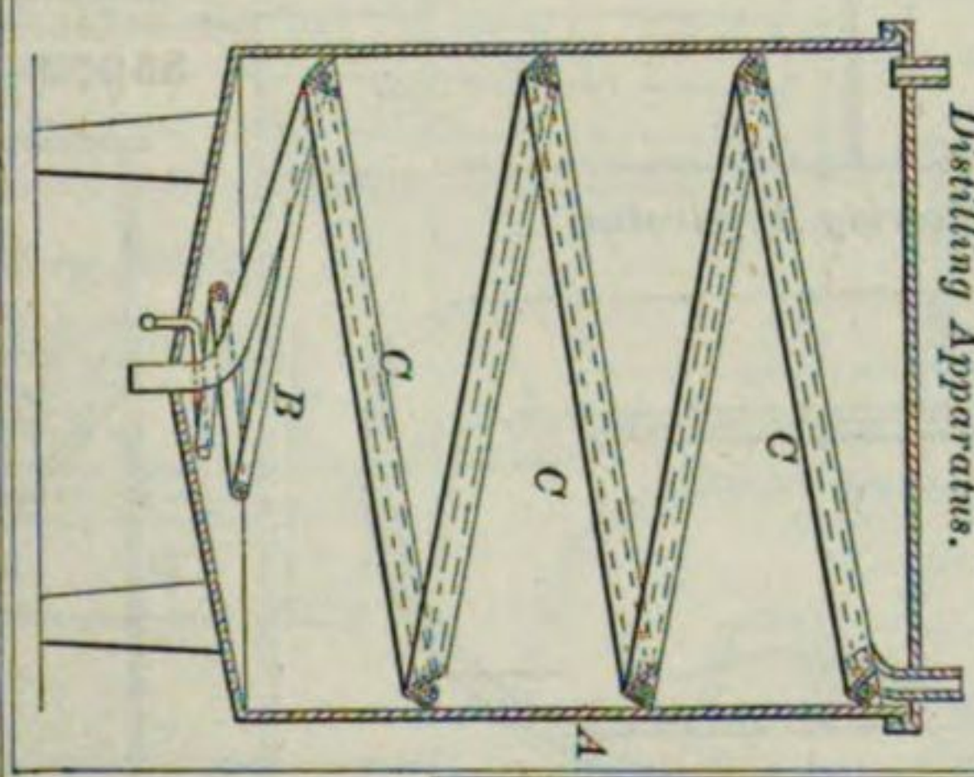
55069—L. B. Dennett—*Plow.*



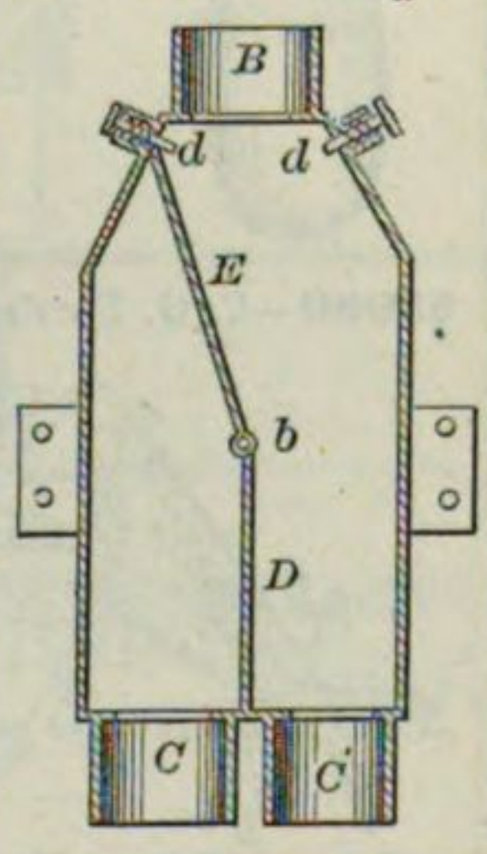
55070—J. C. Dickey—*Rock Drill.*



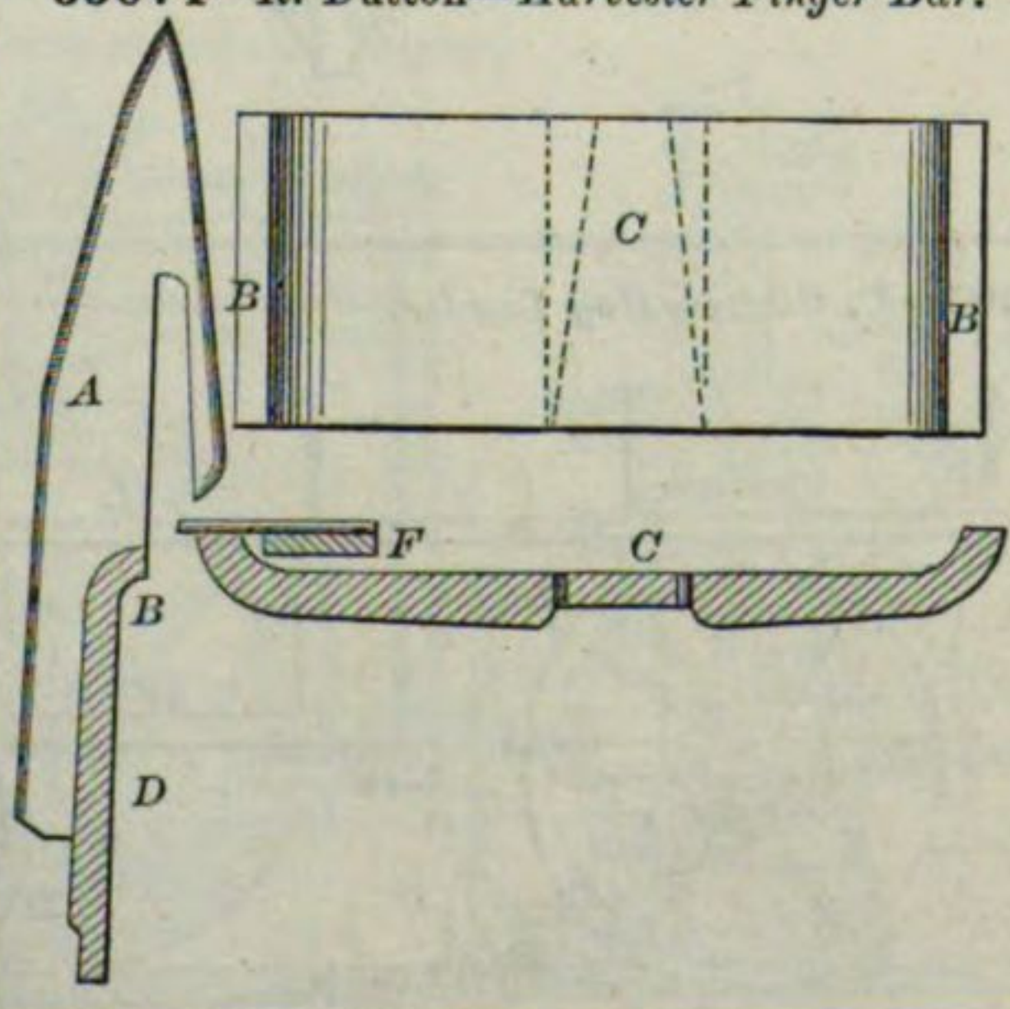
55071—Divine & Seeley—*Distilling Apparatus.*



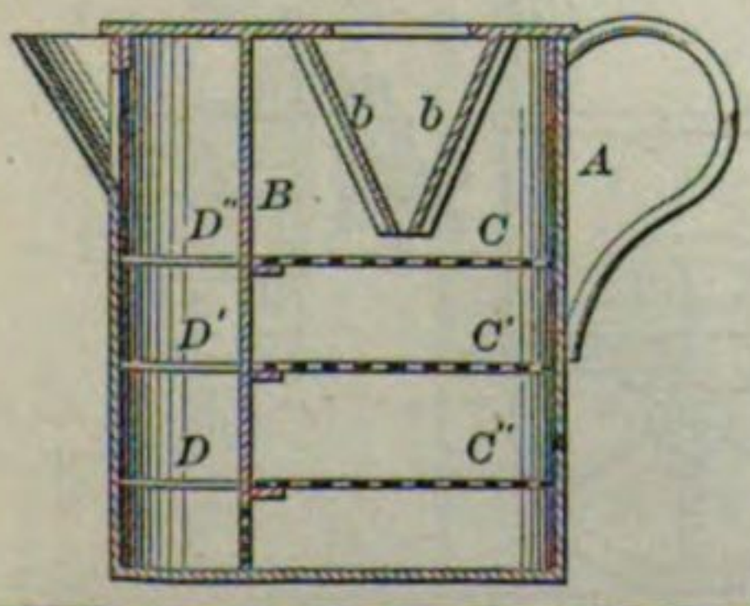
55072—L. W. Doty—*Rain Water Cut-off.*



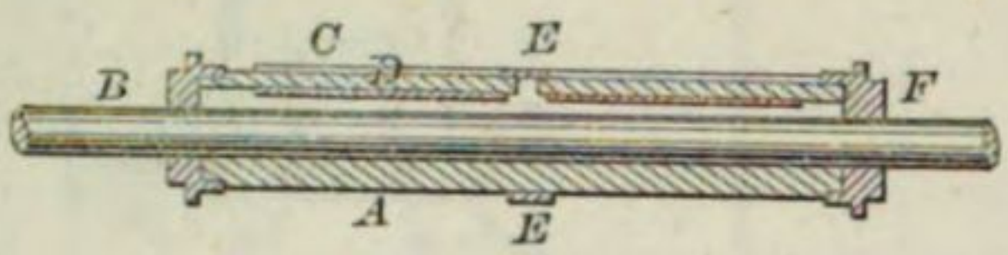
55074—R. Dutton—*Harvester Finger Bar.*



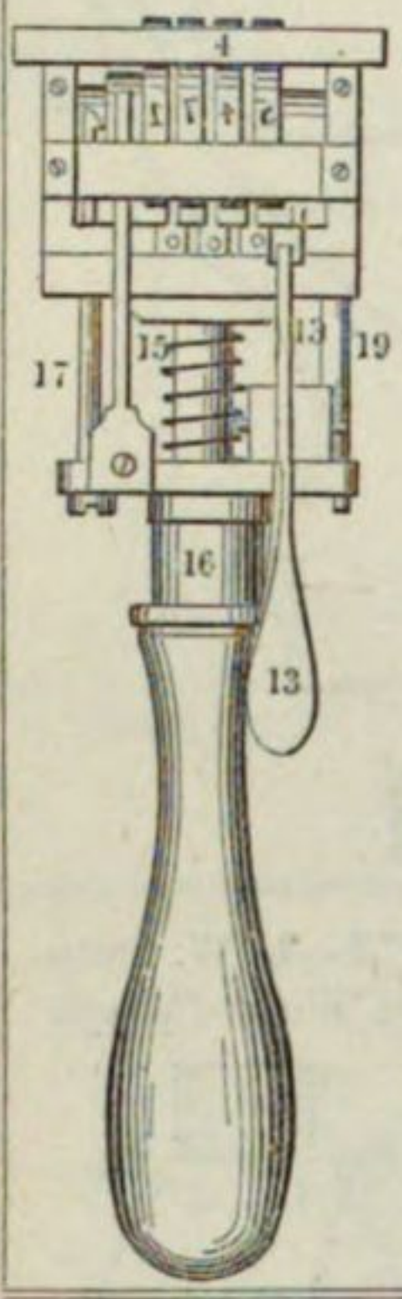
55076—W. P. Eayrs—*Beer Pitcher.*

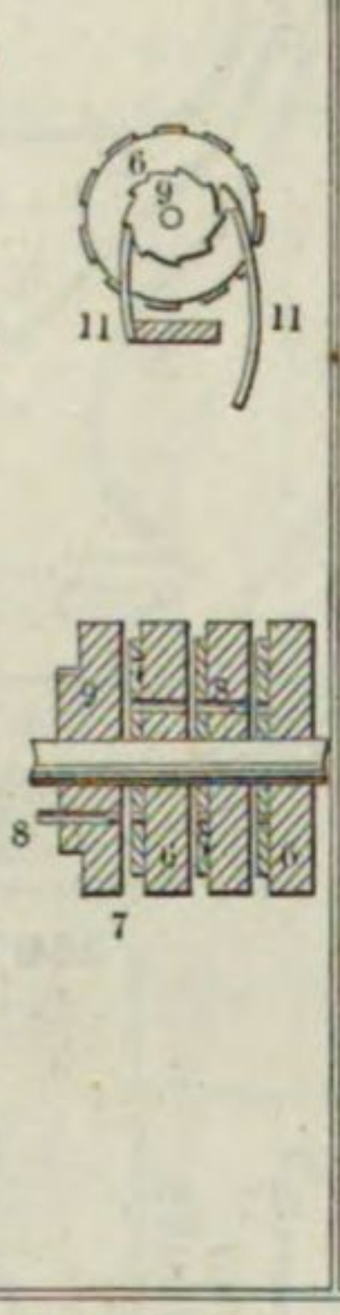


55077—S. F. Emerson—*Roller for Wringing Machines.*

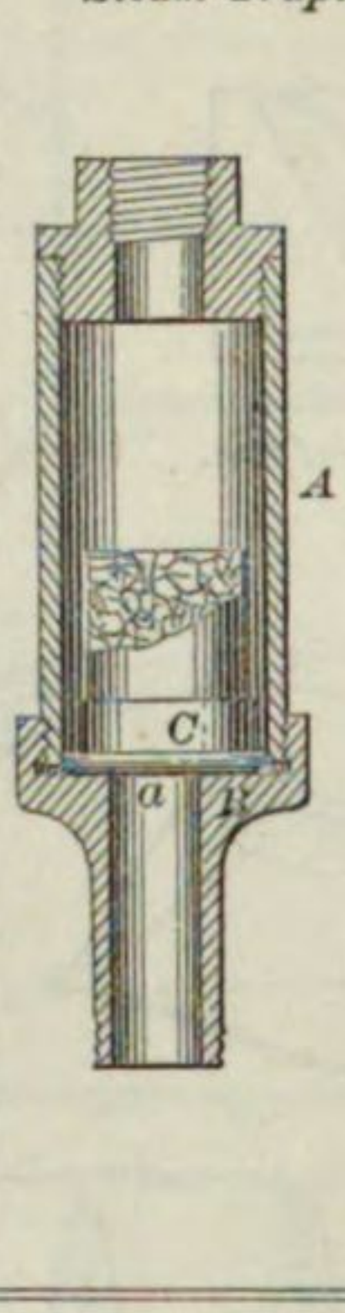


55078—D. Emonnot—*Numbering Stamp.*

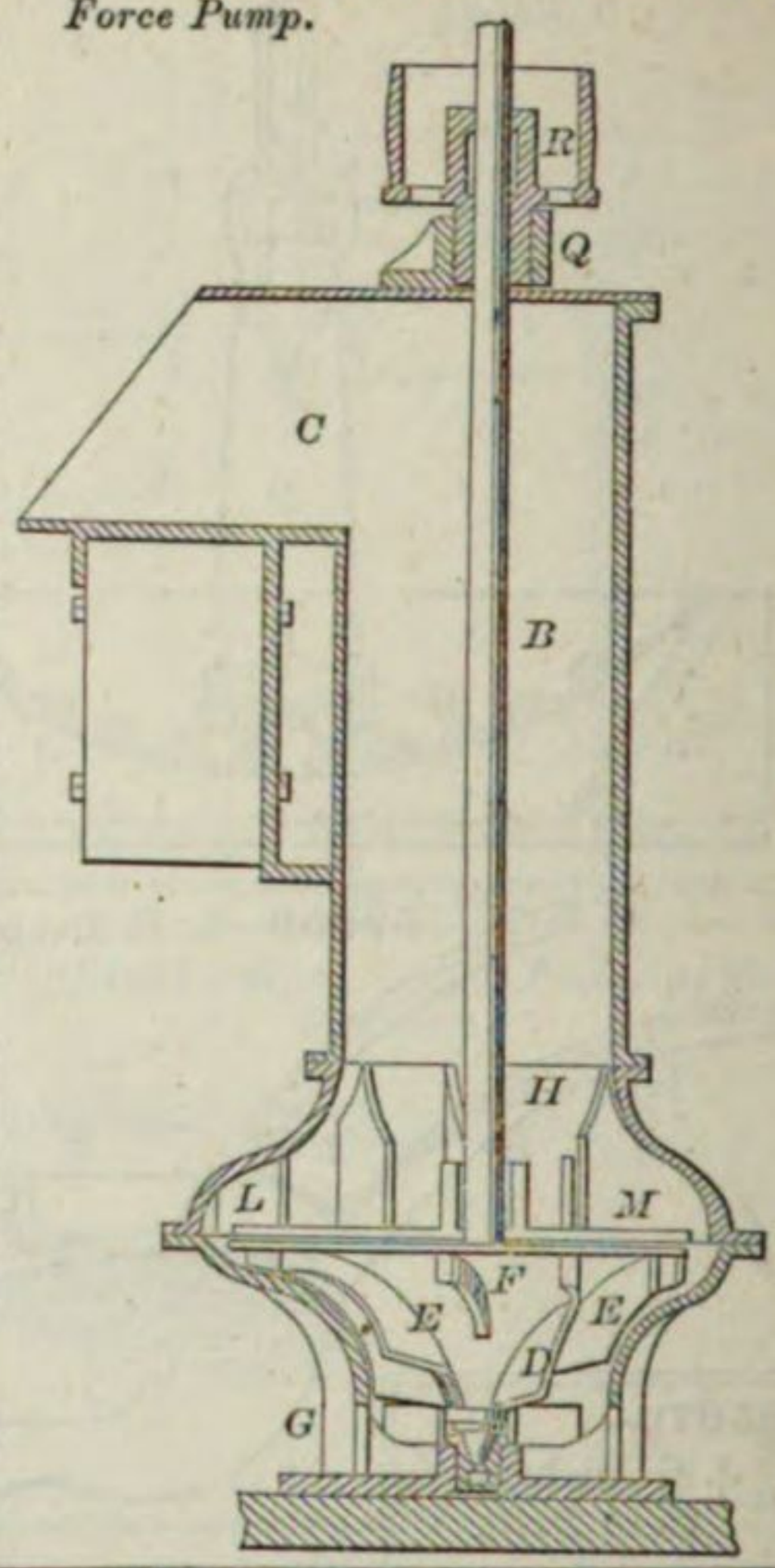




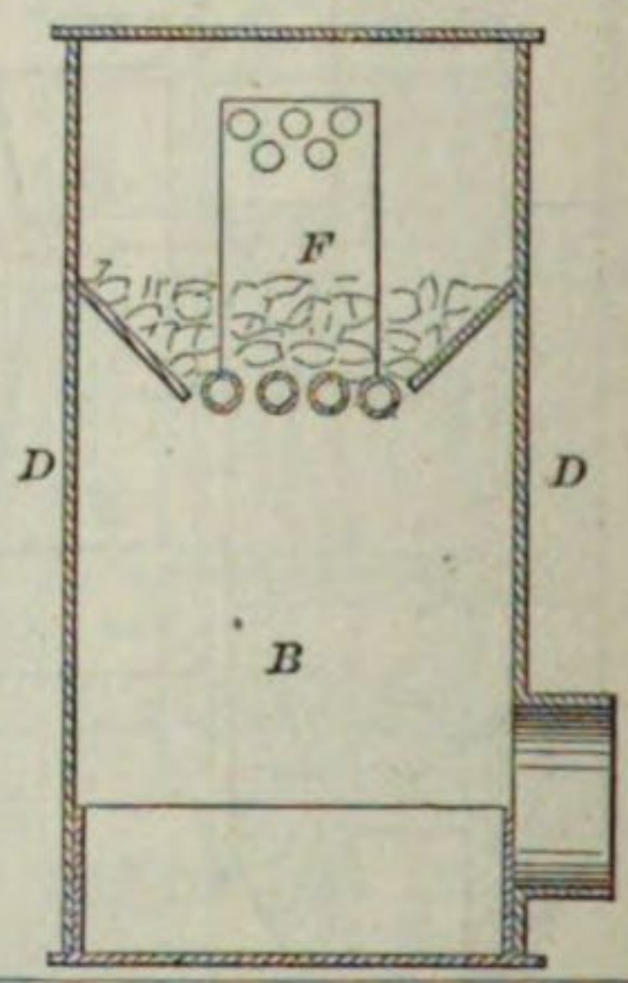
55081—W. Fuzzard—*Steam Trap.*



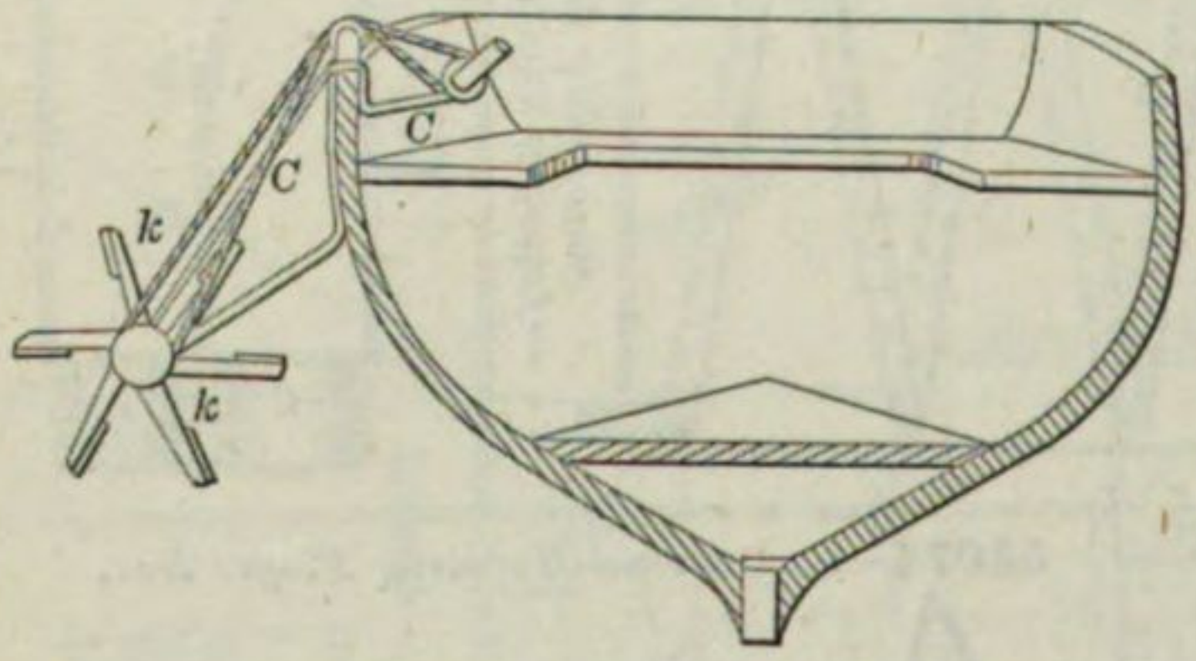
55082—J. H. A. Gericke—*Turbinate Force Pump.*



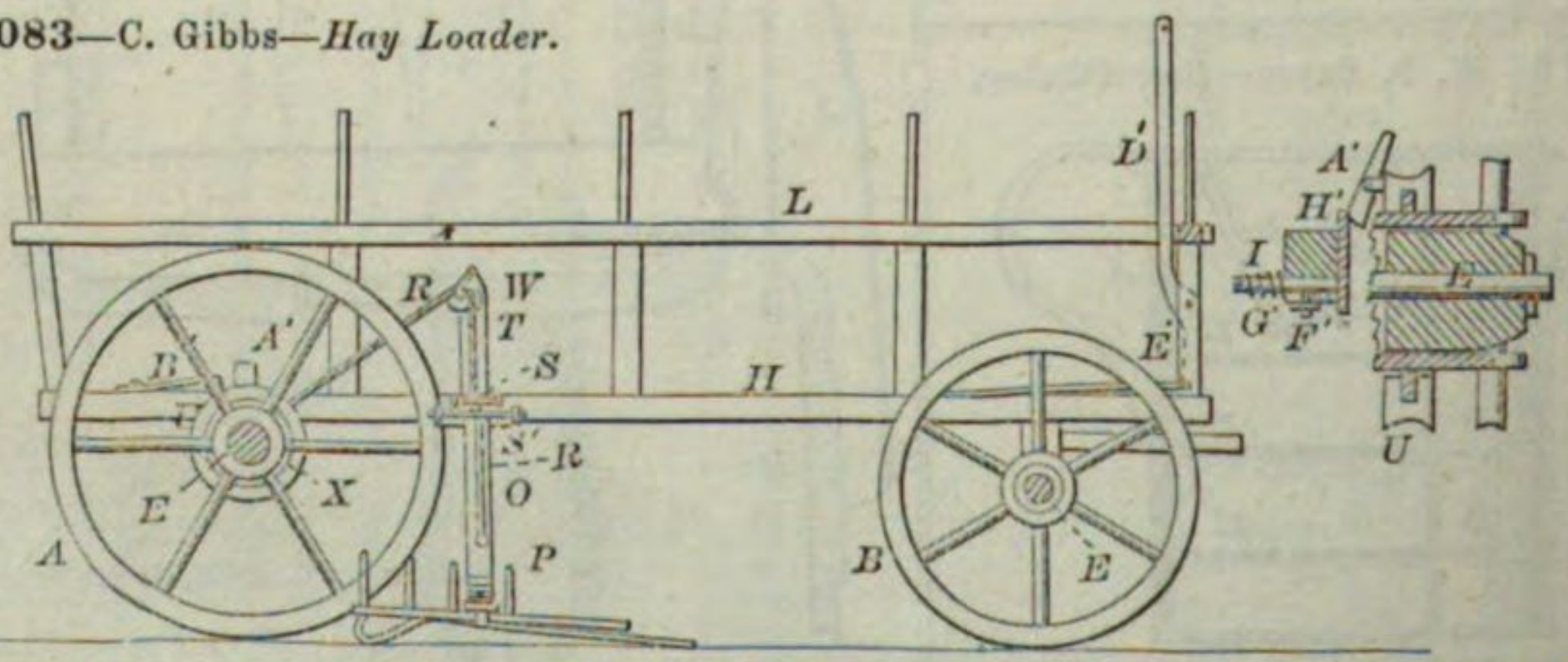
55079—W. Ennis—*Furnace.*



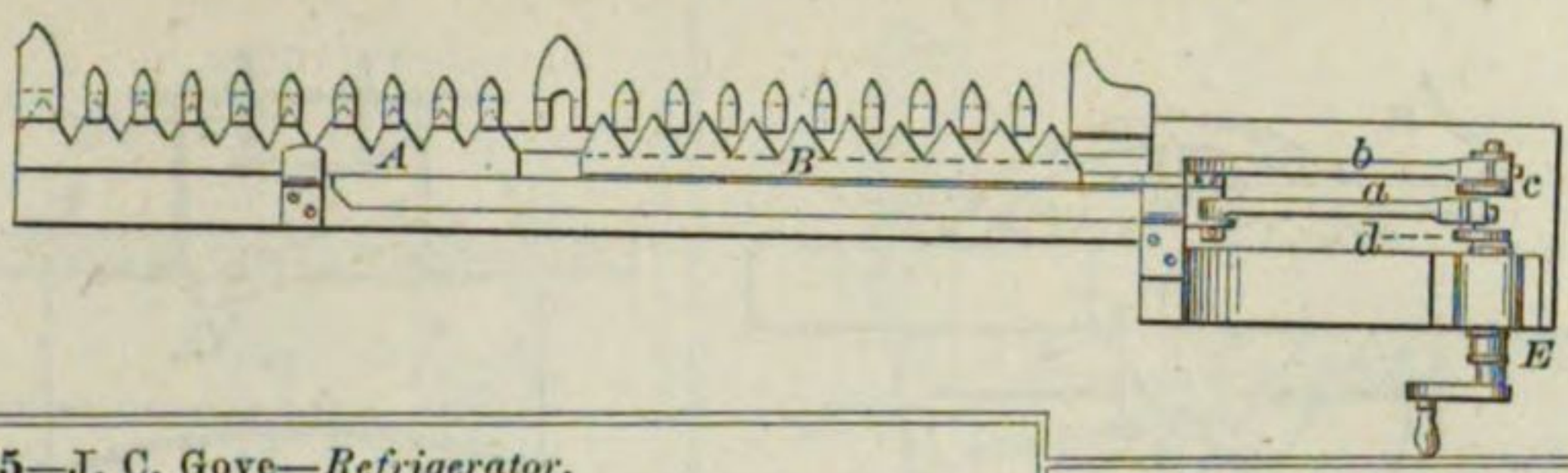
55080—C. G. Forshey—*Steering Apparatus.*



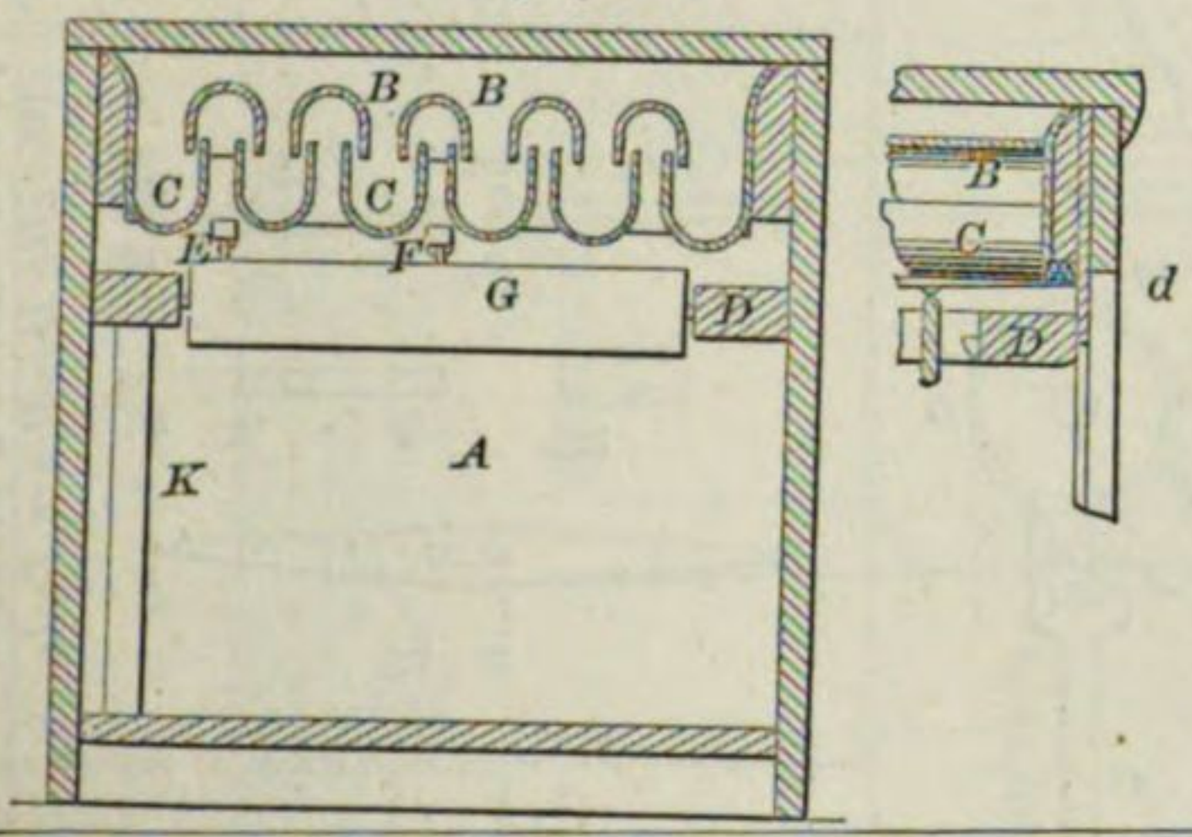
55083—C. Gibbs—*Hay Loader.*



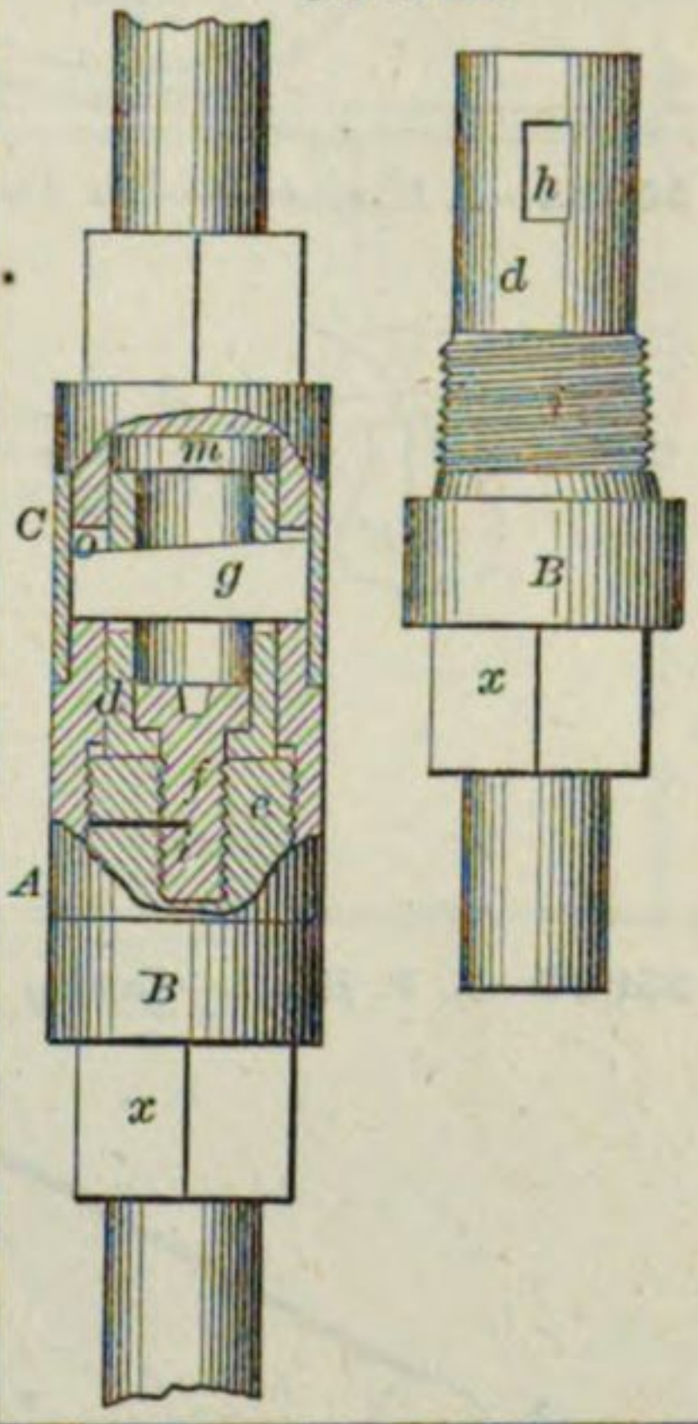
55084—S. Gillam—*Harvester Cutter.*



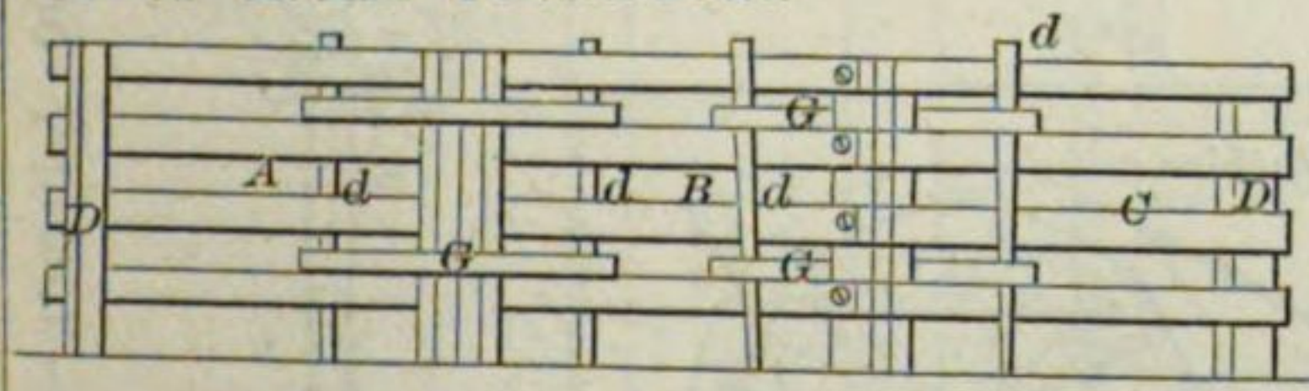
55085—J. C. Gove—*Refrigerator.*



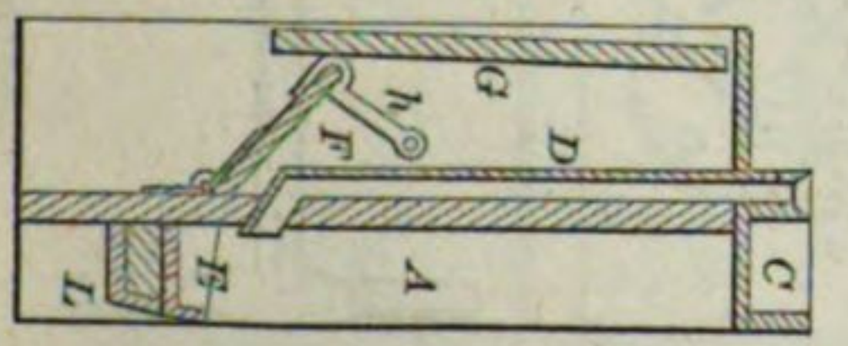
55086—R. Gracey—*Joint for Oil Tools.*



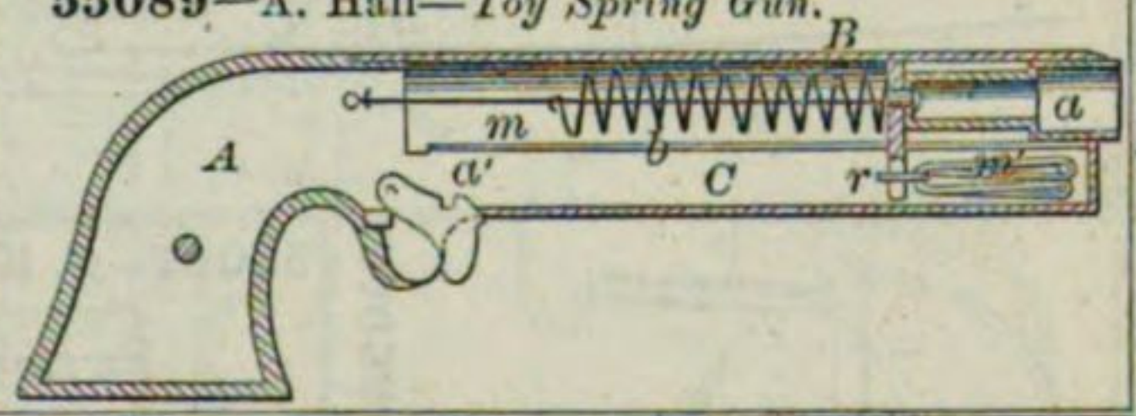
55091—M. Hall—*Portable Fence.*



55090—L. Hall—*Sheep Rack.*

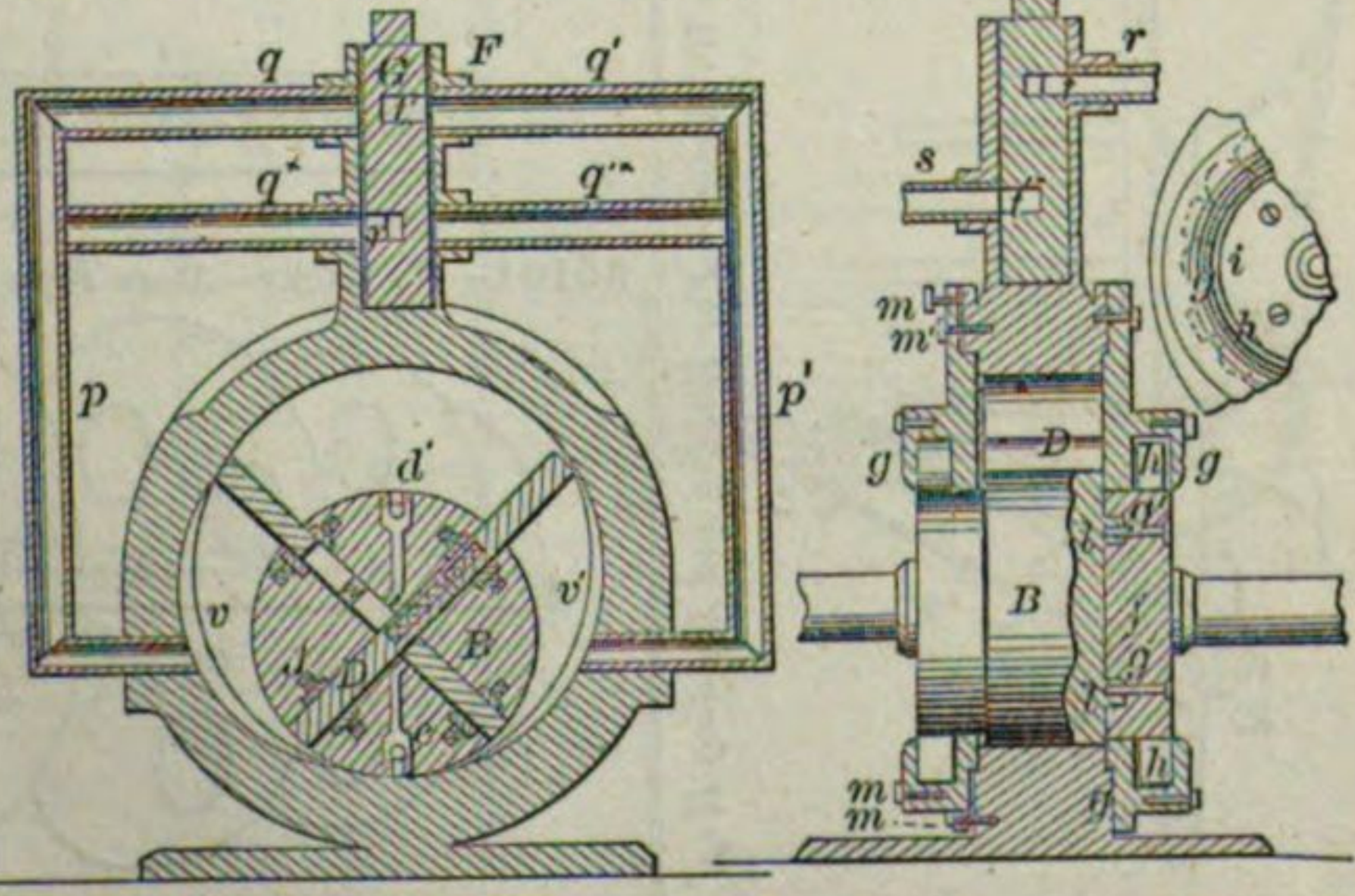


55089—A. Hall—*Toy Spring Gun.*

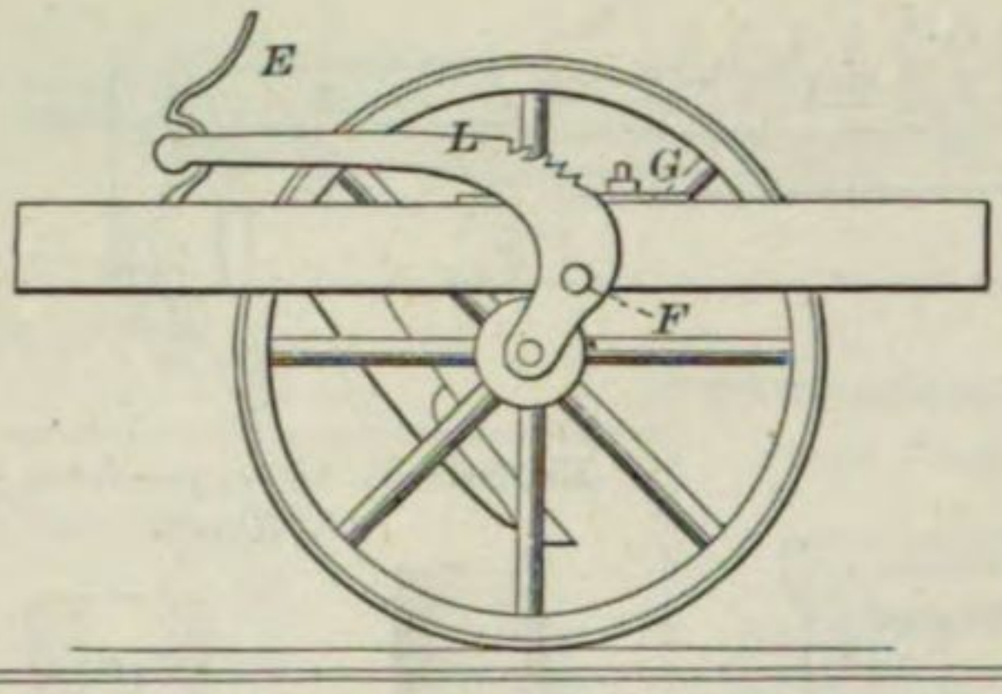


55088—A. Hagny—*Buckle.*

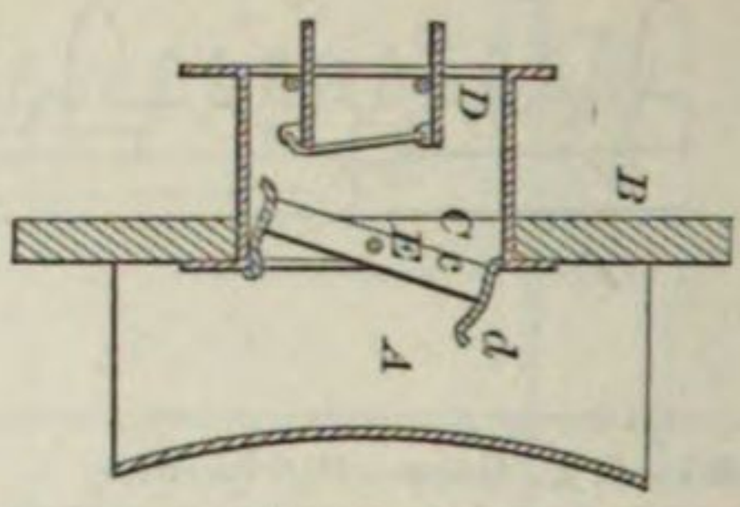
55092—Hall & Bugbee—*Steam Engine.*



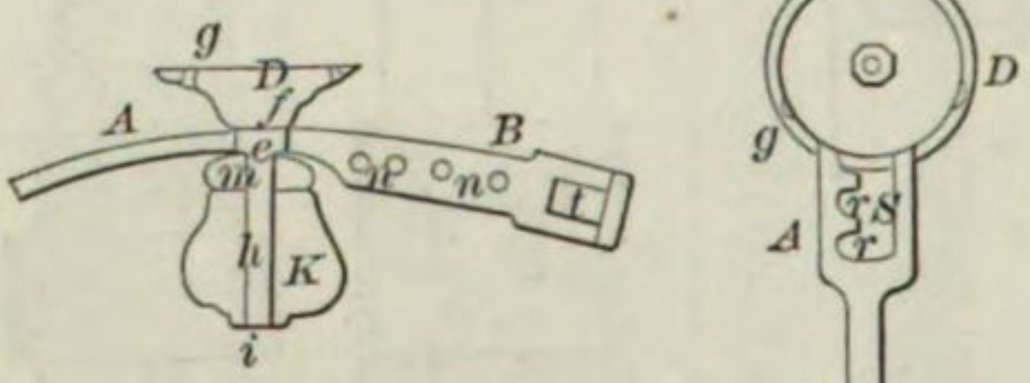
55093—W. Hammond—*Cultivator and Plow.*



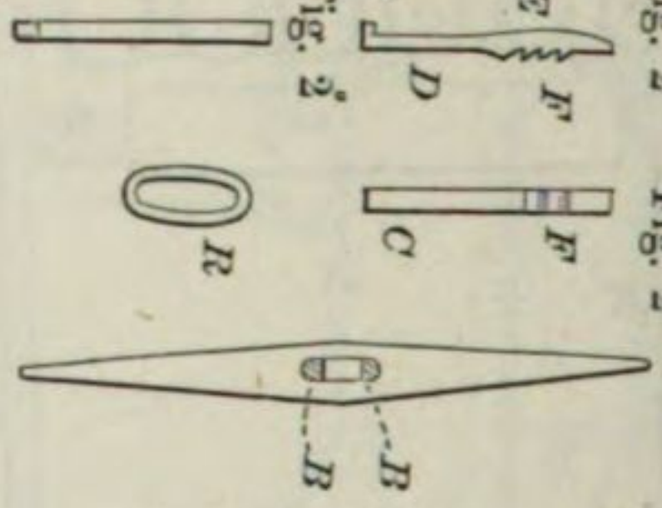
55094—G. Hardy—*Car Ventilator.*



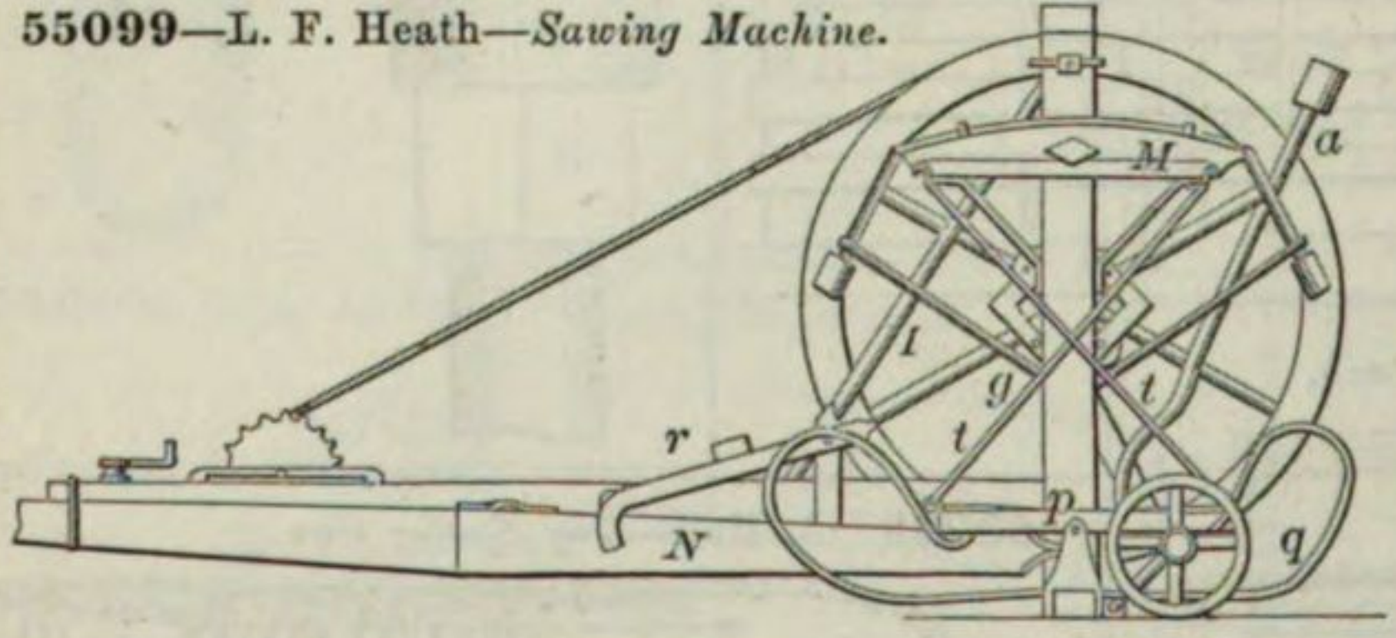
55095—J. Harrar—*Shutter Fastening.*



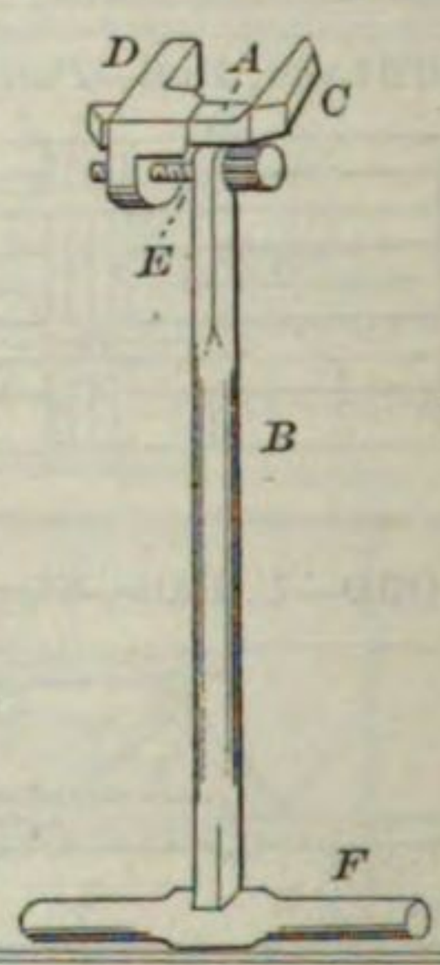
55096—Harris & Franz—*Attaching Handles to Tools.*



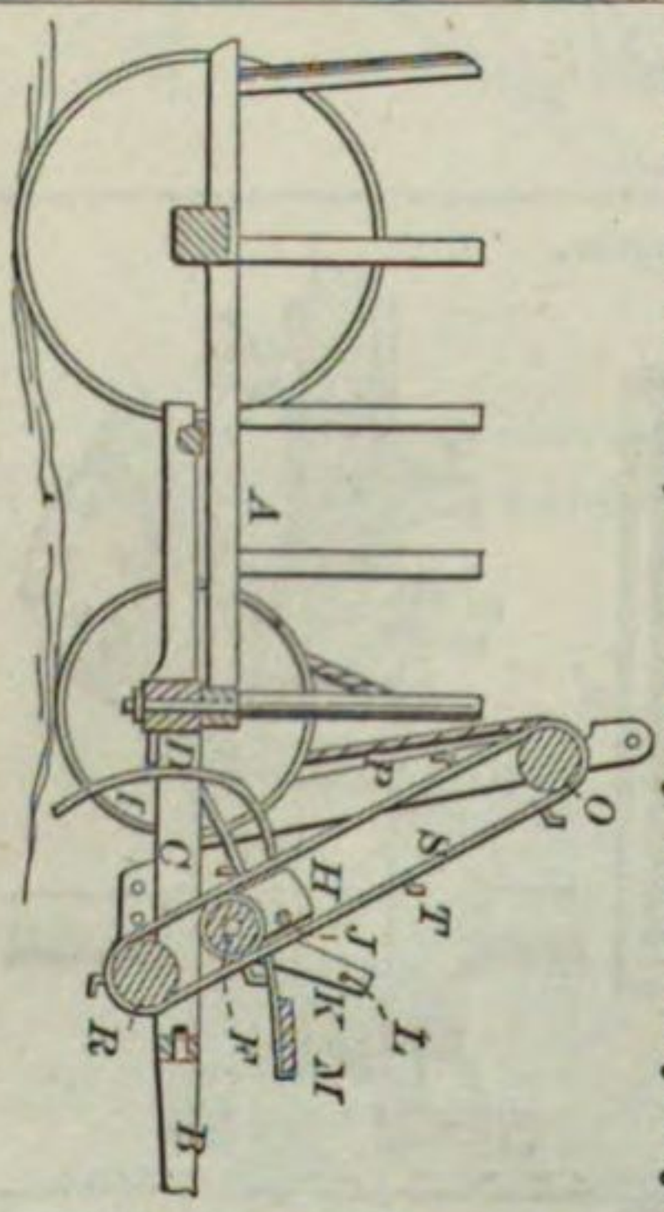
55099—L. F. Heath—*Sawing Machine.*



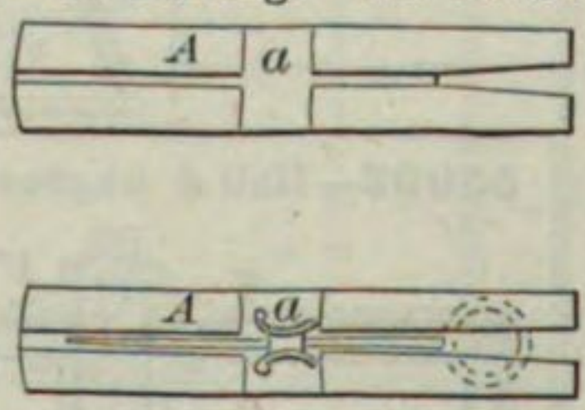
55100—J. Hegarty—*Screw Wrench.*



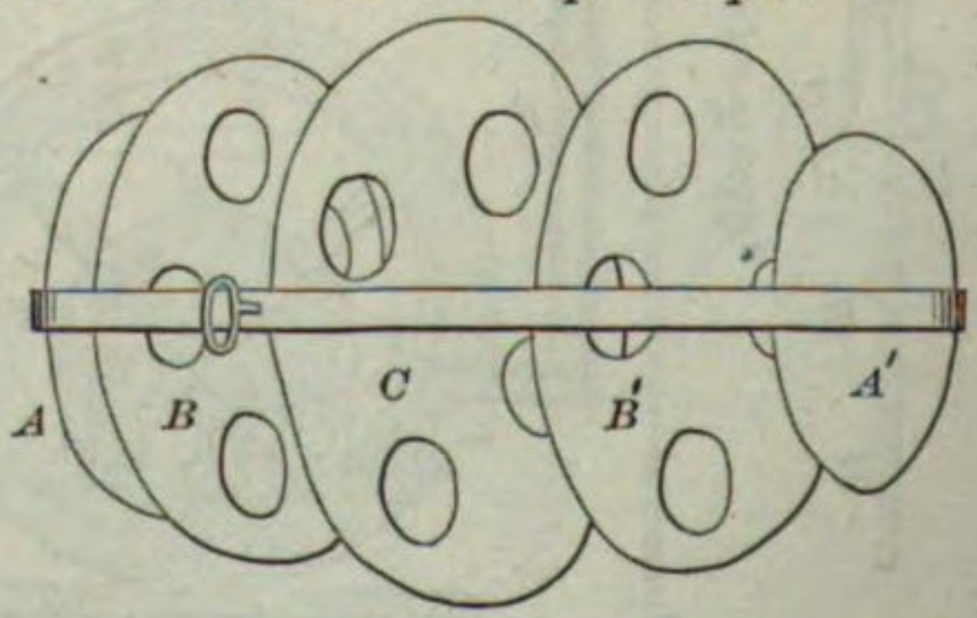
55098—A. W. Heany—*For Raking and Loading Hay.*



55097—G. Hastings—*For Polishing and Glossing Watch Hands.*

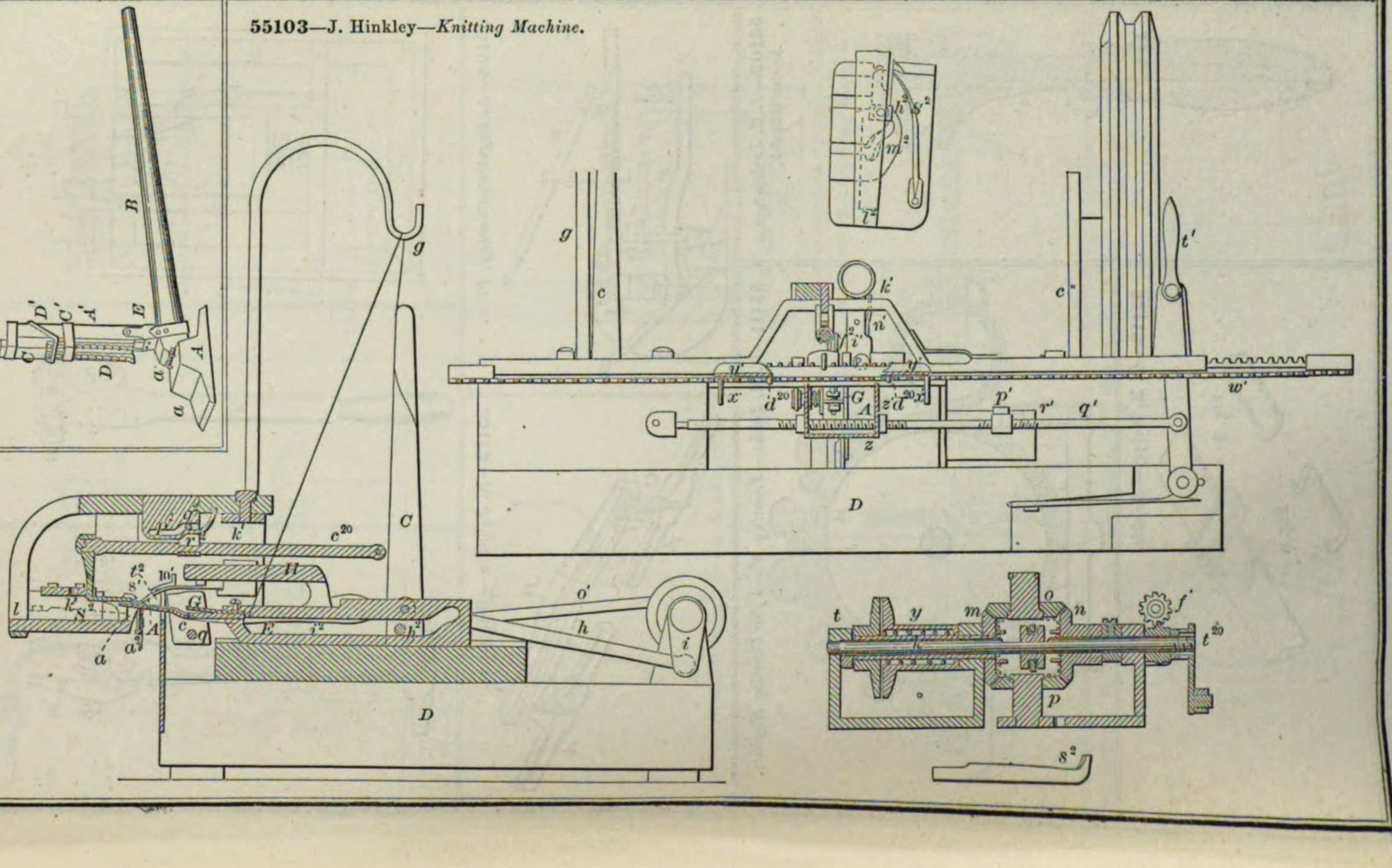


55101—W. Hicks—*Stove Pipe Damper.*

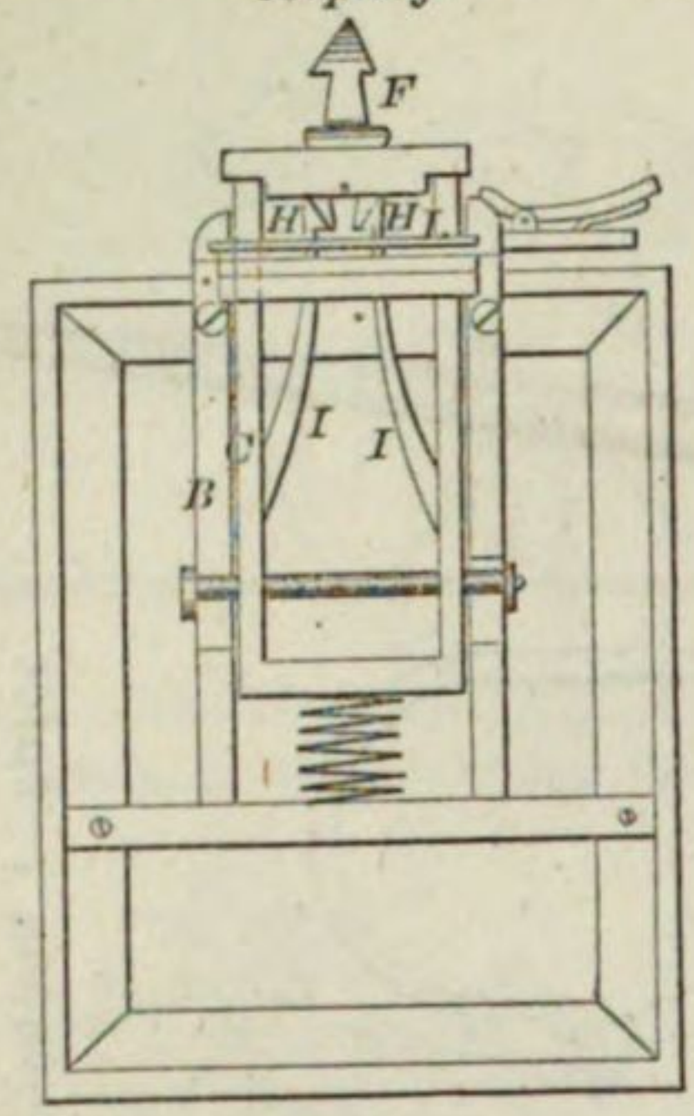


55102—A. Higley—*Lifting Jack.*

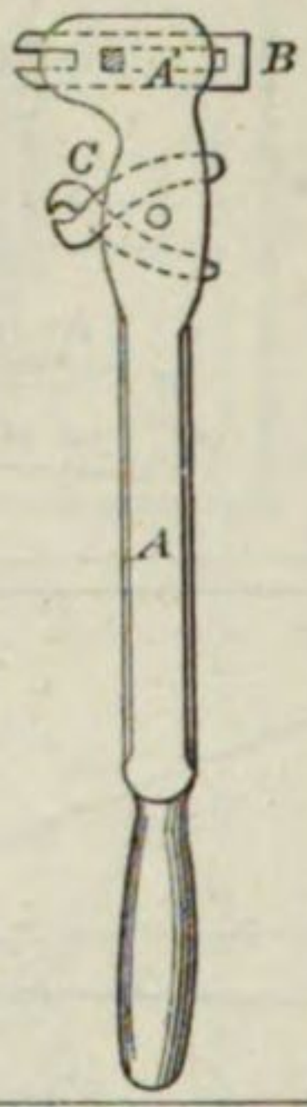
55103—J. Hinkley—*Knitting Machine.*



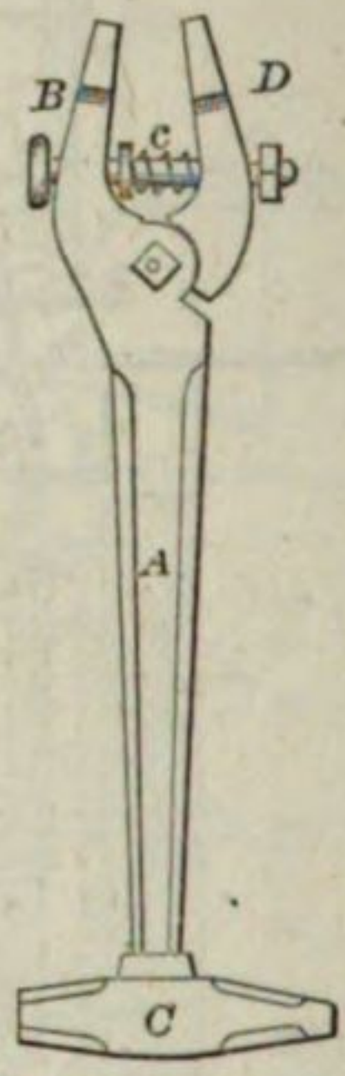
55104—Hinman & Nevill—*Car Coupling.*



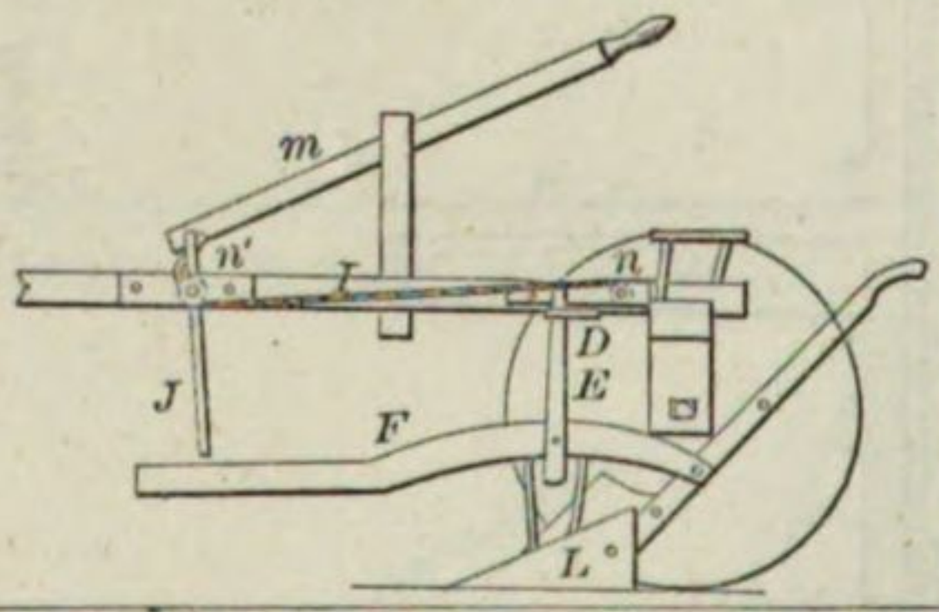
55105—J. H. Hogan—*Nail Extractor.*



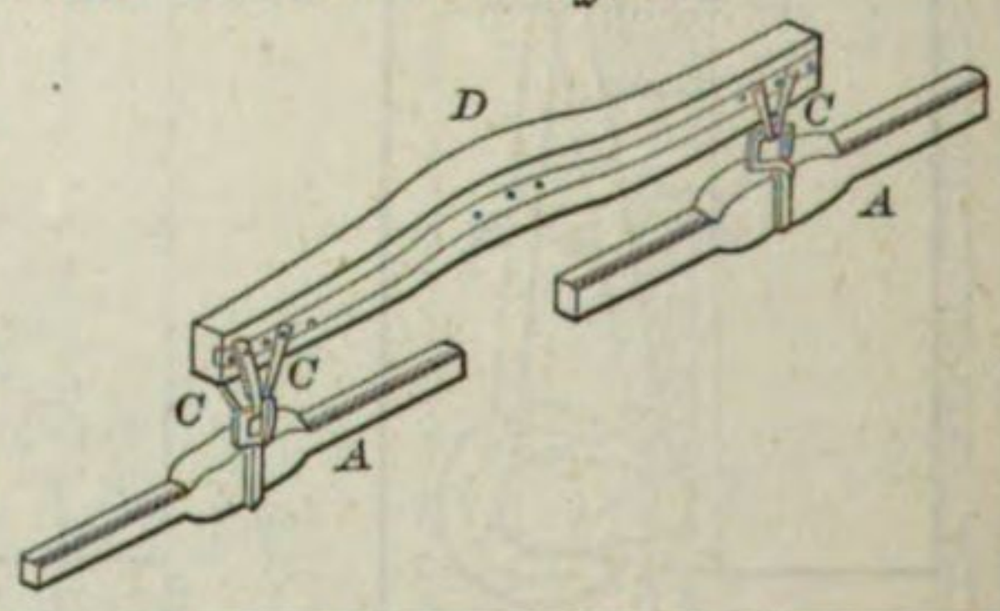
55107—S. S. & E. G. Hoyt—*Screw Wrench and Hammer*



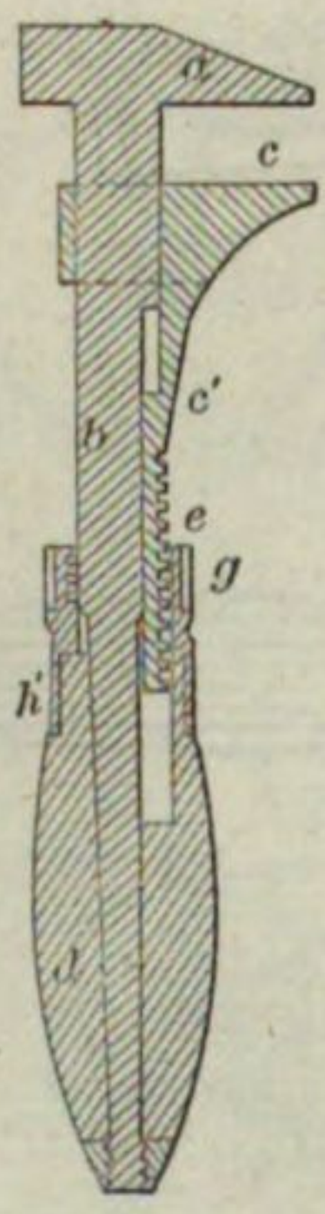
55108—A. Ingalls—*Carriage Plow.*



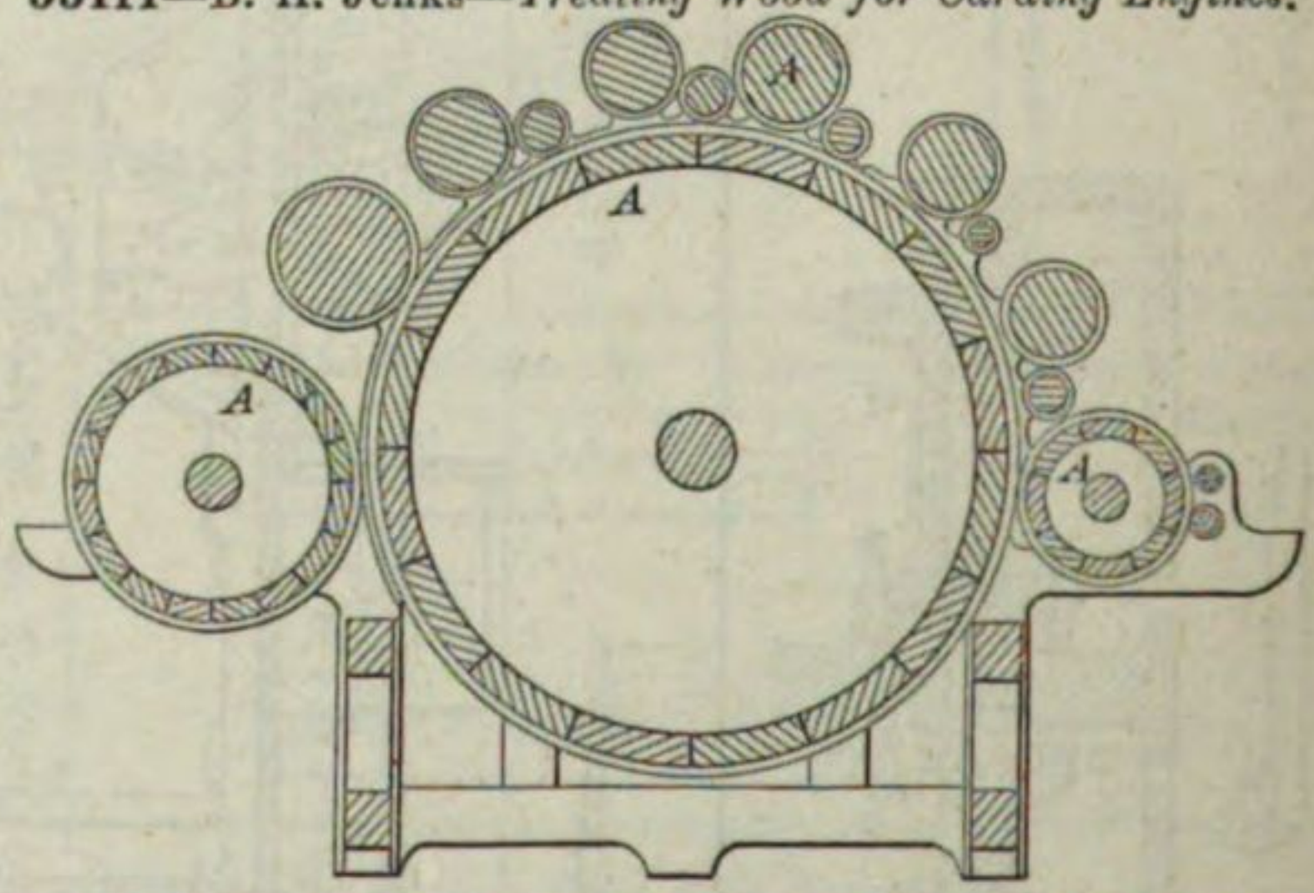
55112—N. Johnson—*Whiffletree.*



55109—J. C. Jackson—*Screw Wrench.*

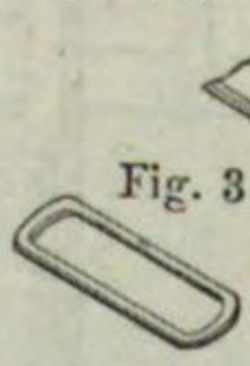


55111—B. H. Jenks—*Treating Wood for Carding Engines.*



55113—G. R. Kelsey—*Buckle.*

Fig. 3



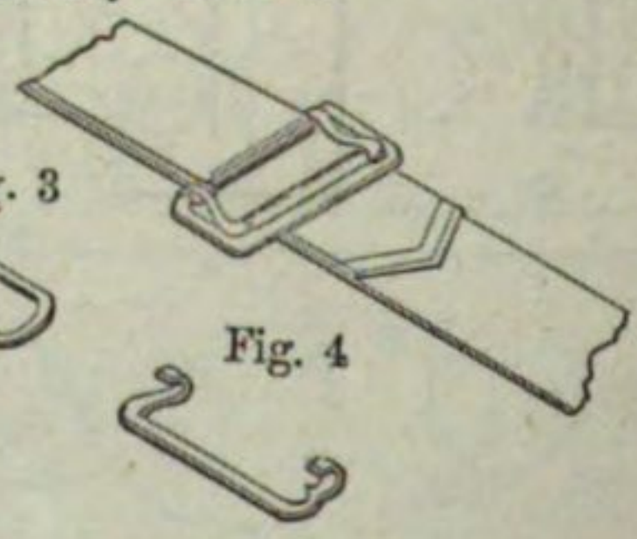
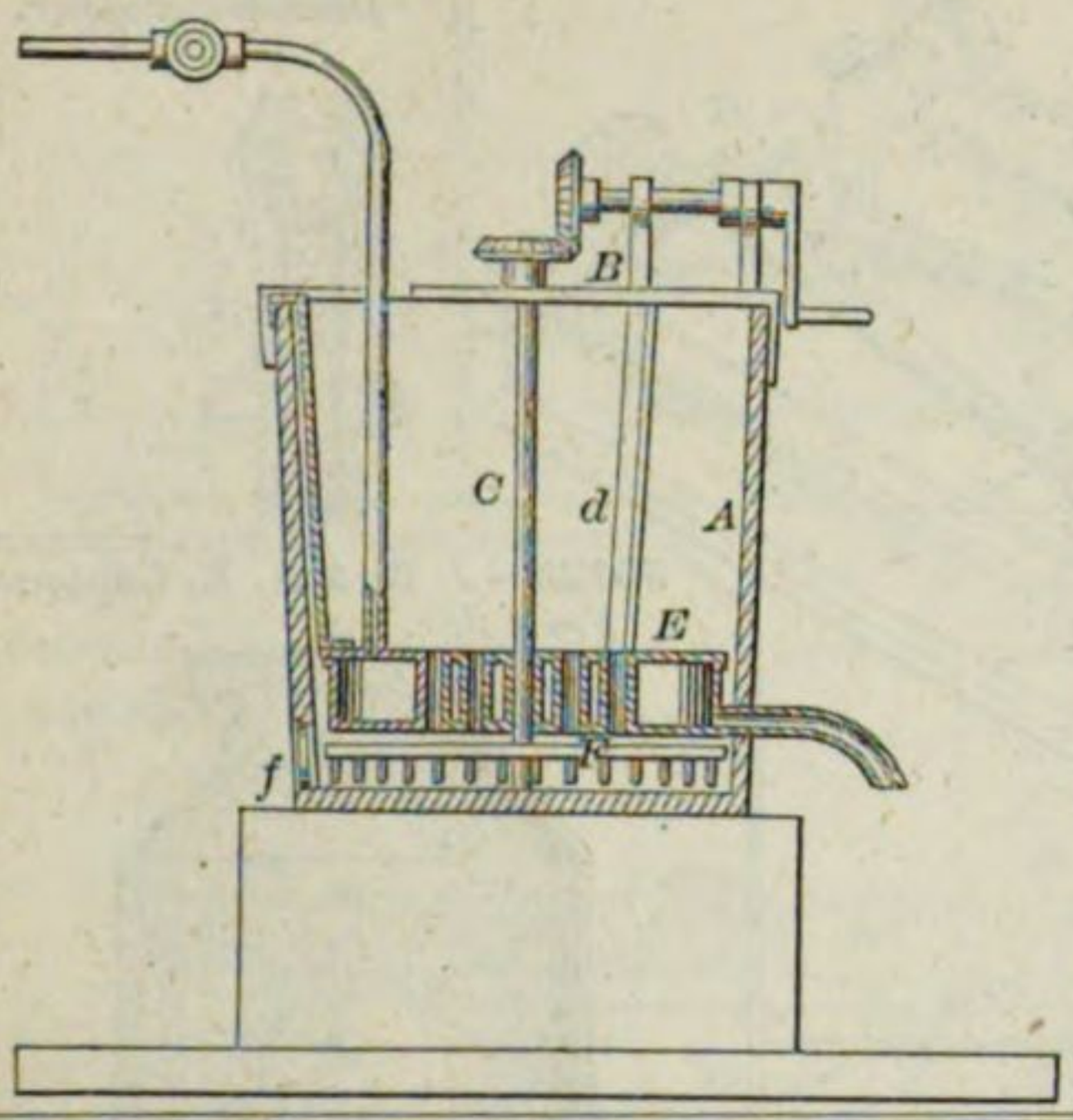
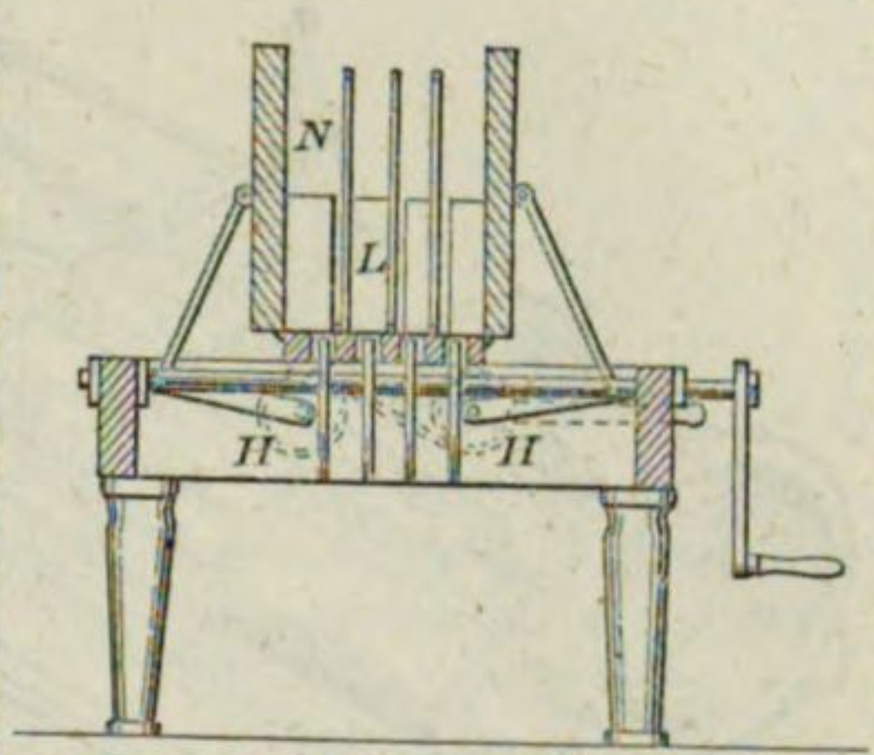


Fig. 4

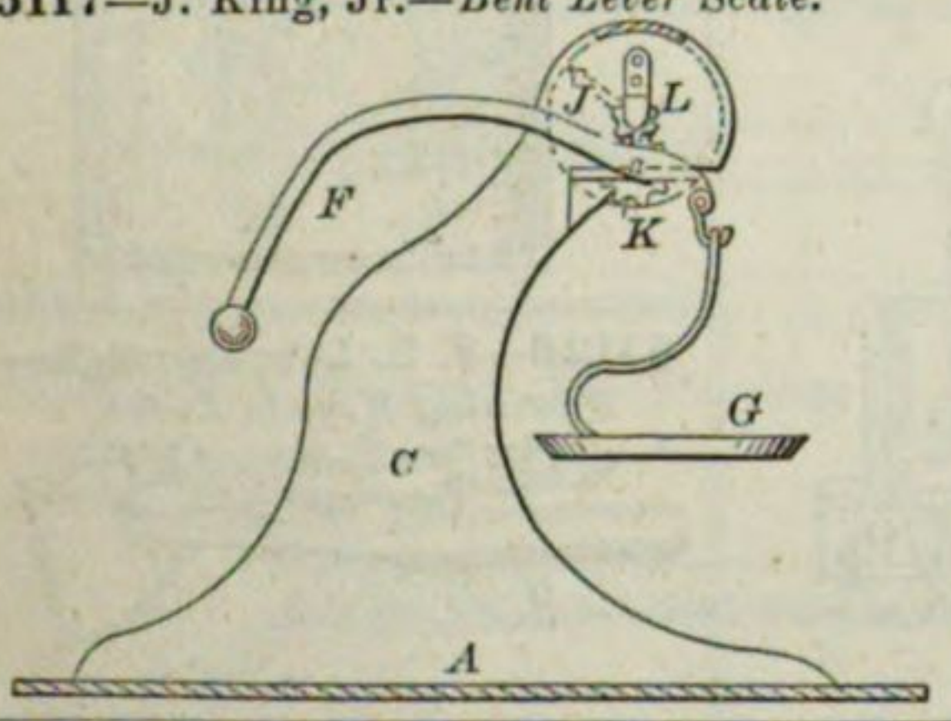
55114—W. Kendrick—*Amalgamator.*



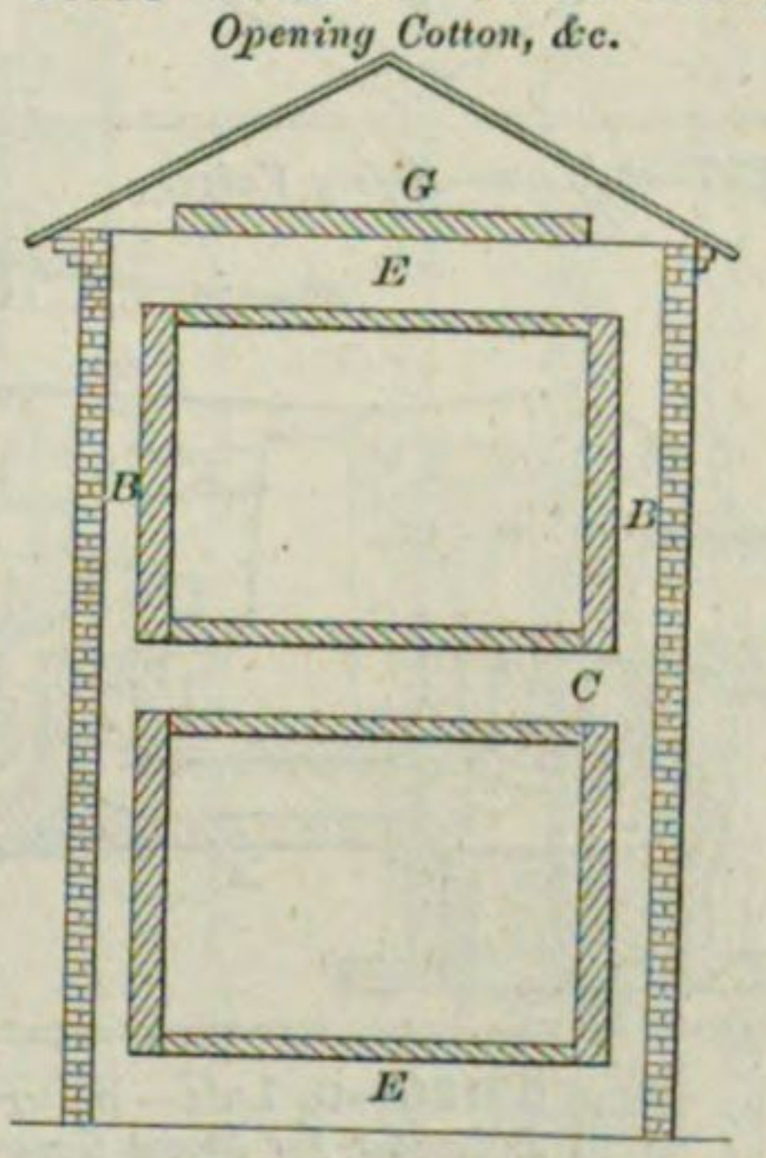
55116—P. B. Killam—*Wool Press.*



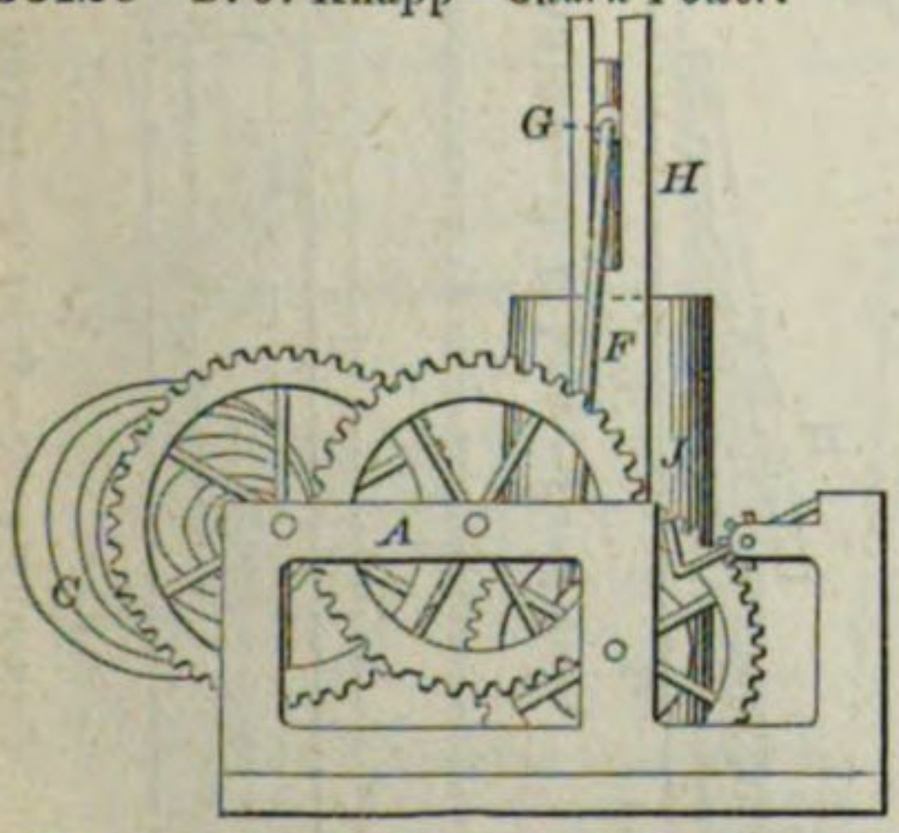
55117—J. King, Jr.—*Bent Lever Scale.*



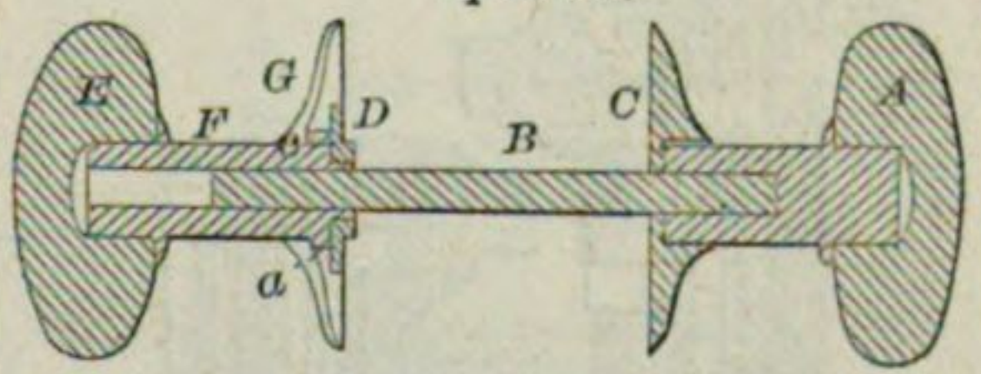
55118—R. Kitson—*Picker House for Opening Cotton, &c.*



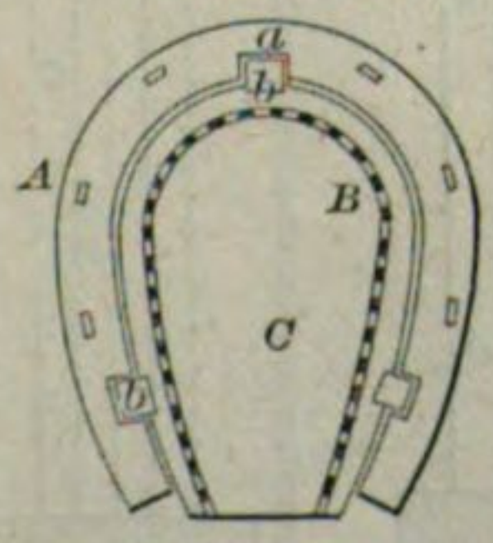
55120—D. J. Knapp—*Churn Power.*



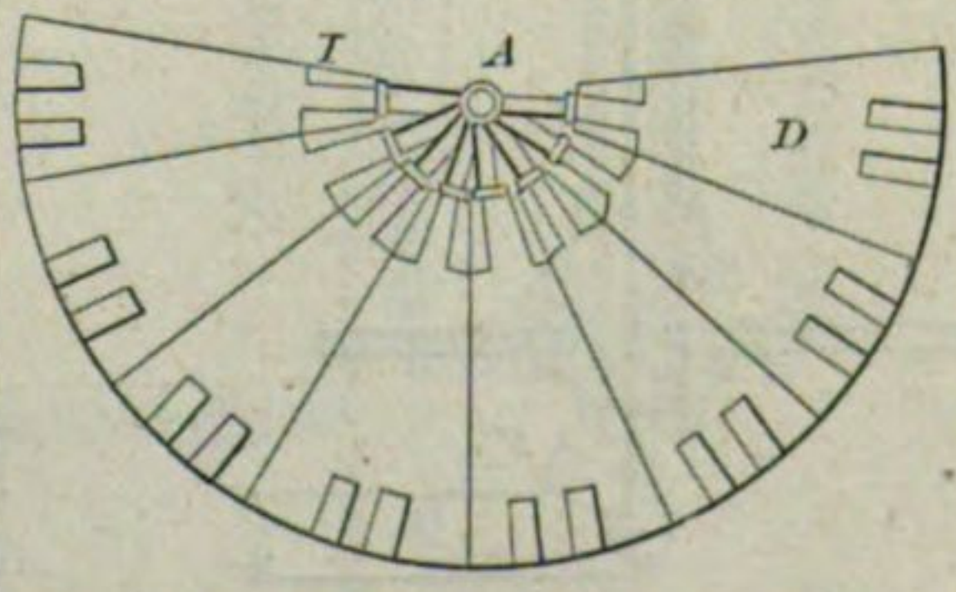
55115—T. Kennedy—*Adjusting Knobs to Spindles.*



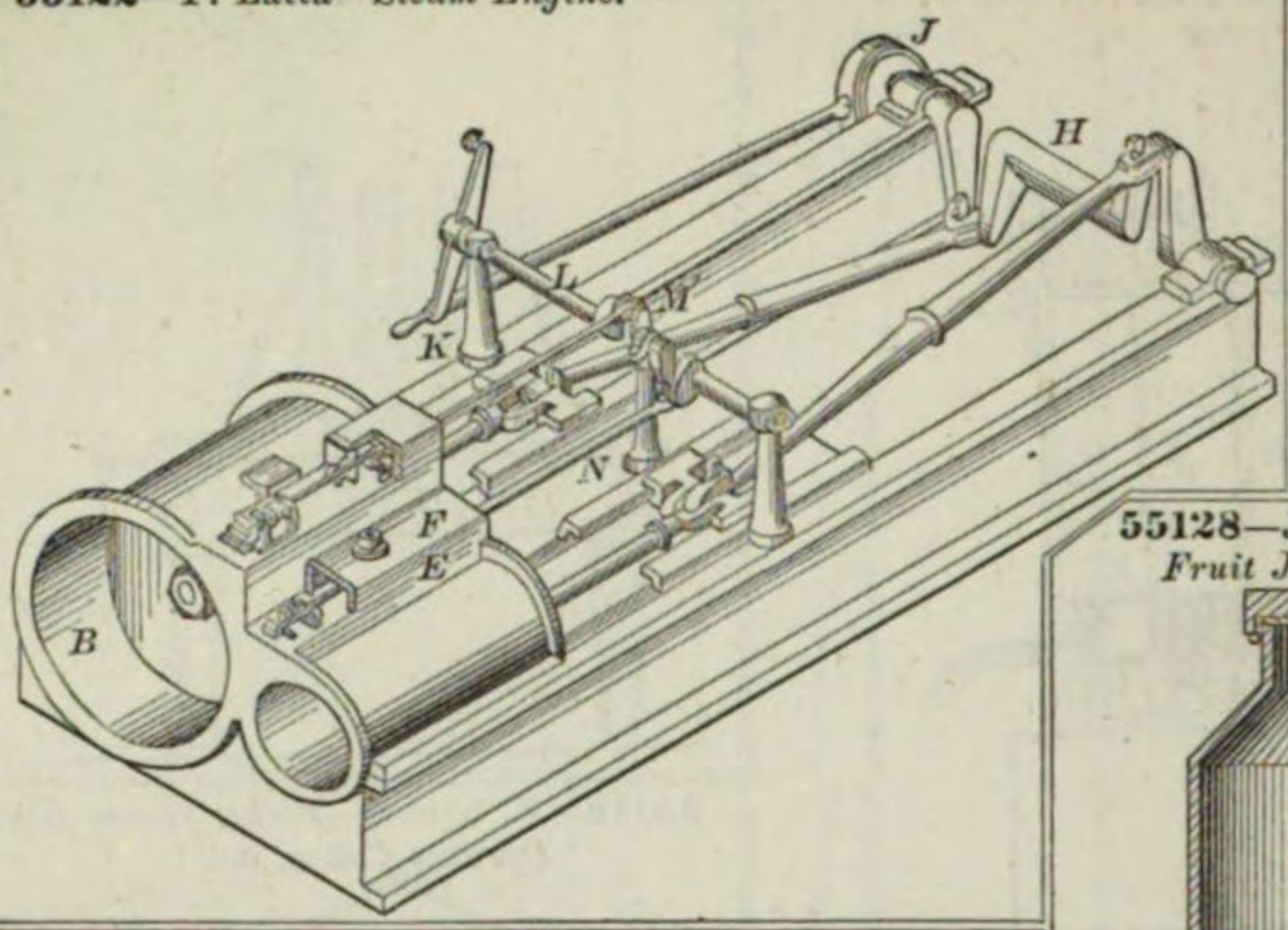
55119—A. H. Knapp—*Attaching Soles to Horse Shoes.*



55121—N. Landry—*Coin Holder.*

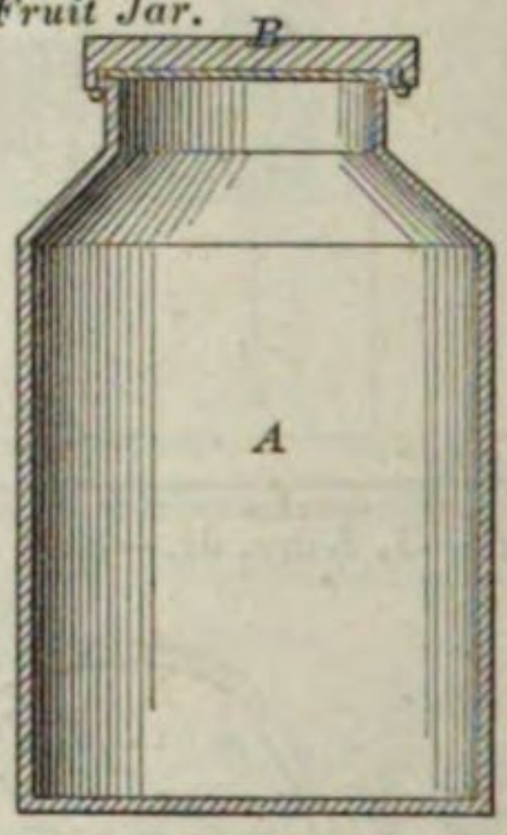


55122—F. Latta—*Steam Engine.*

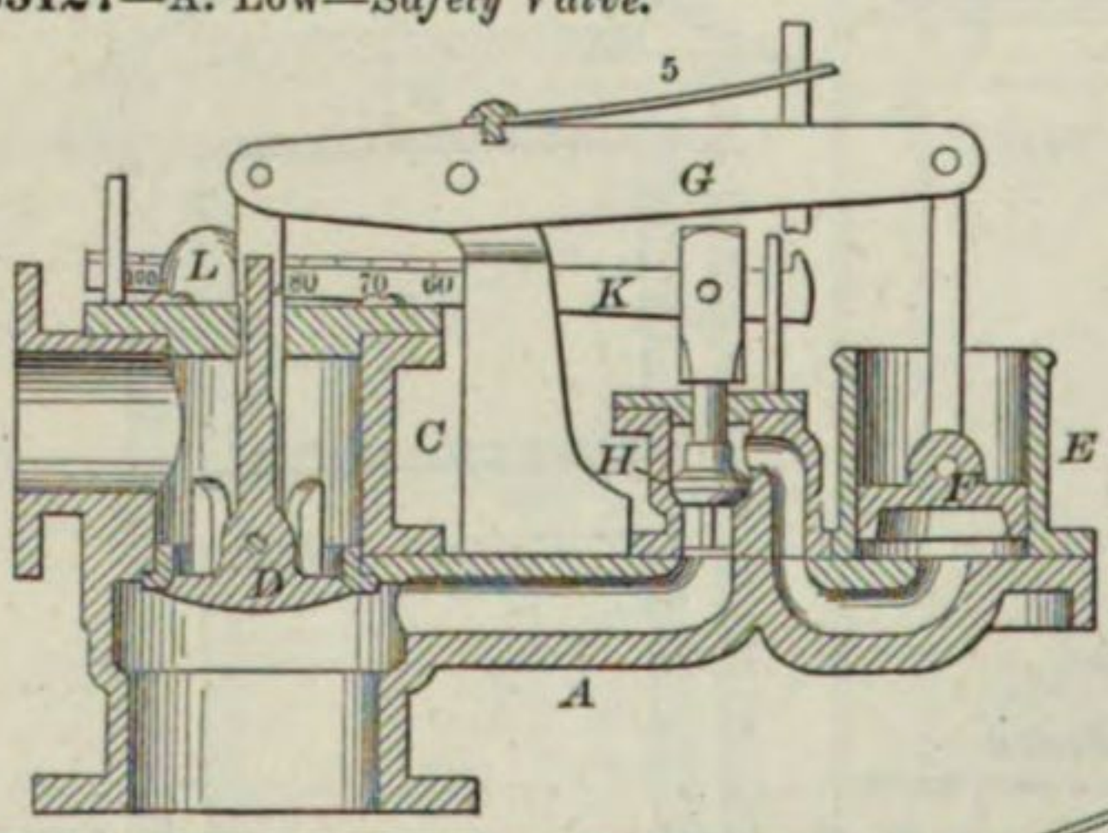


55124—L. Loeffler—*Decanter Stopper.*

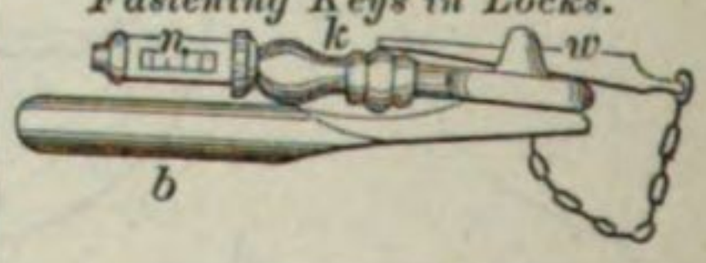
55128—J. R. & N. E. Lupton—*Fruit Jar.*



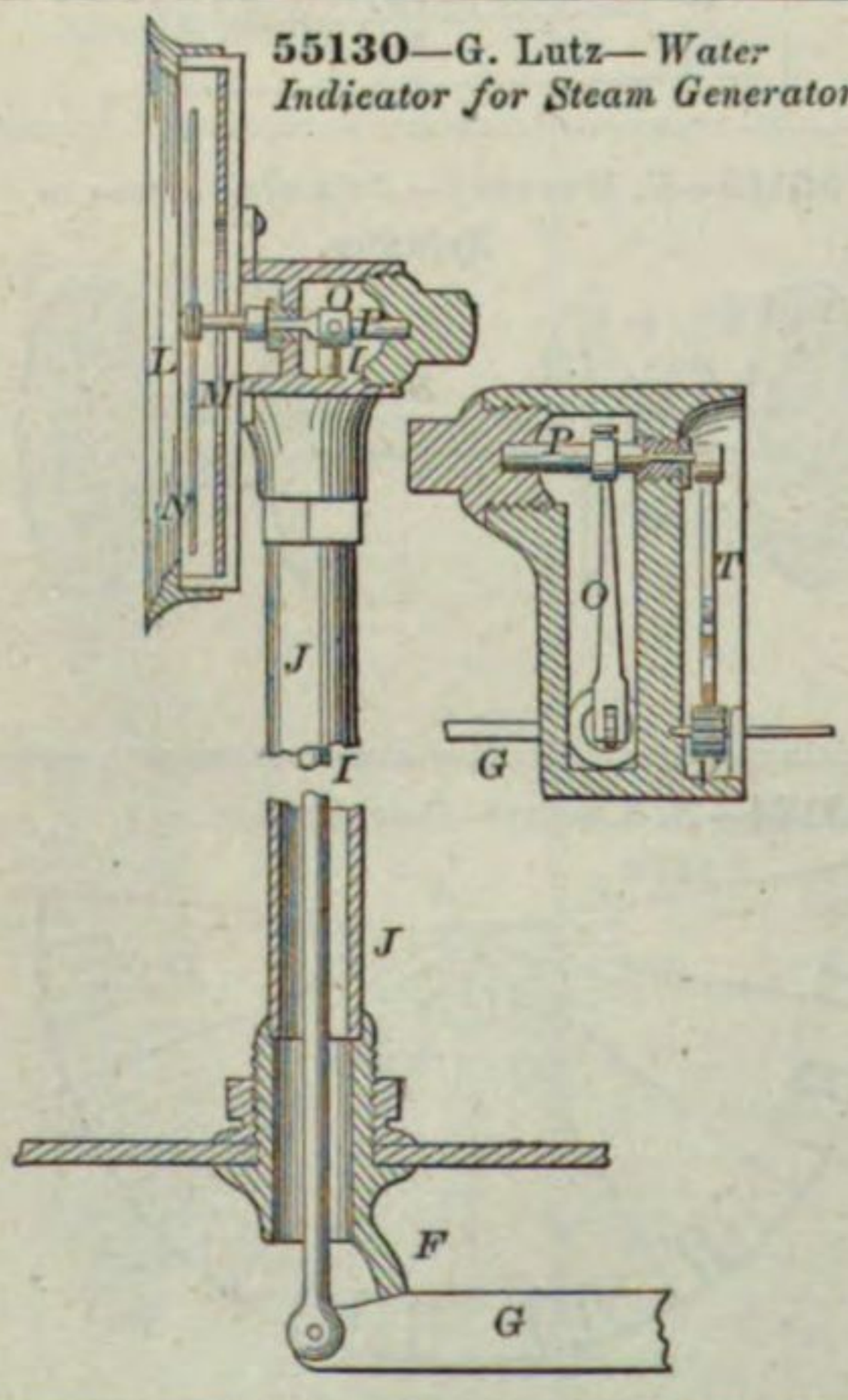
55127—A. Low—*Safety Valve.*



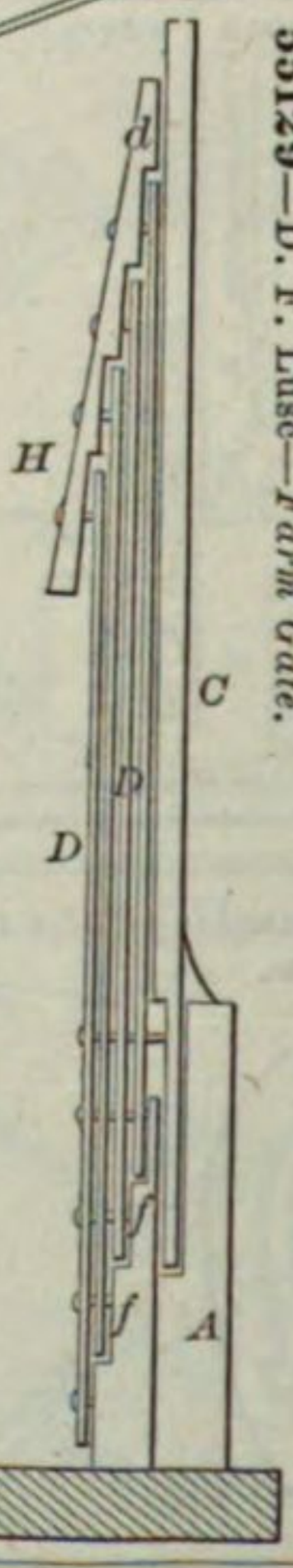
55126—S. B. Loughborough—*Fastening Keys in Locks.*



55130—G. Lutz—*Water Indicator for Steam Generators.*

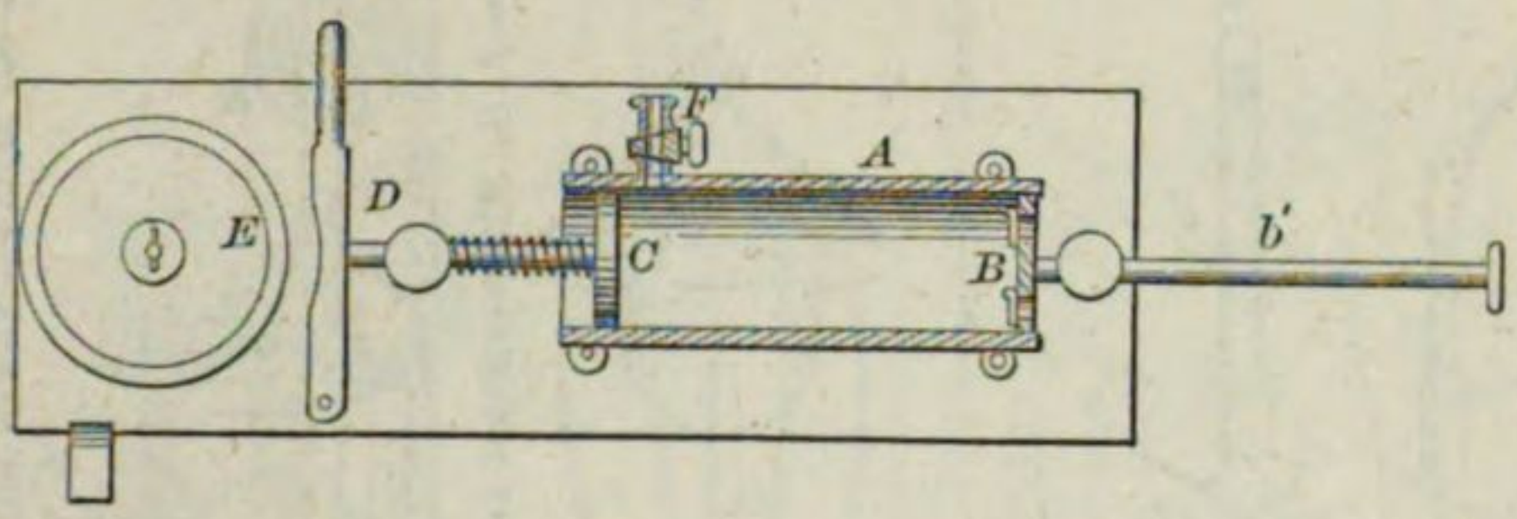


55129—D. F. Luse—*Farm Gate.*

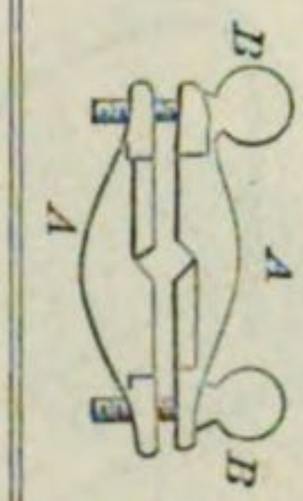


55131—J. Lydy—*Sash Fastening.*

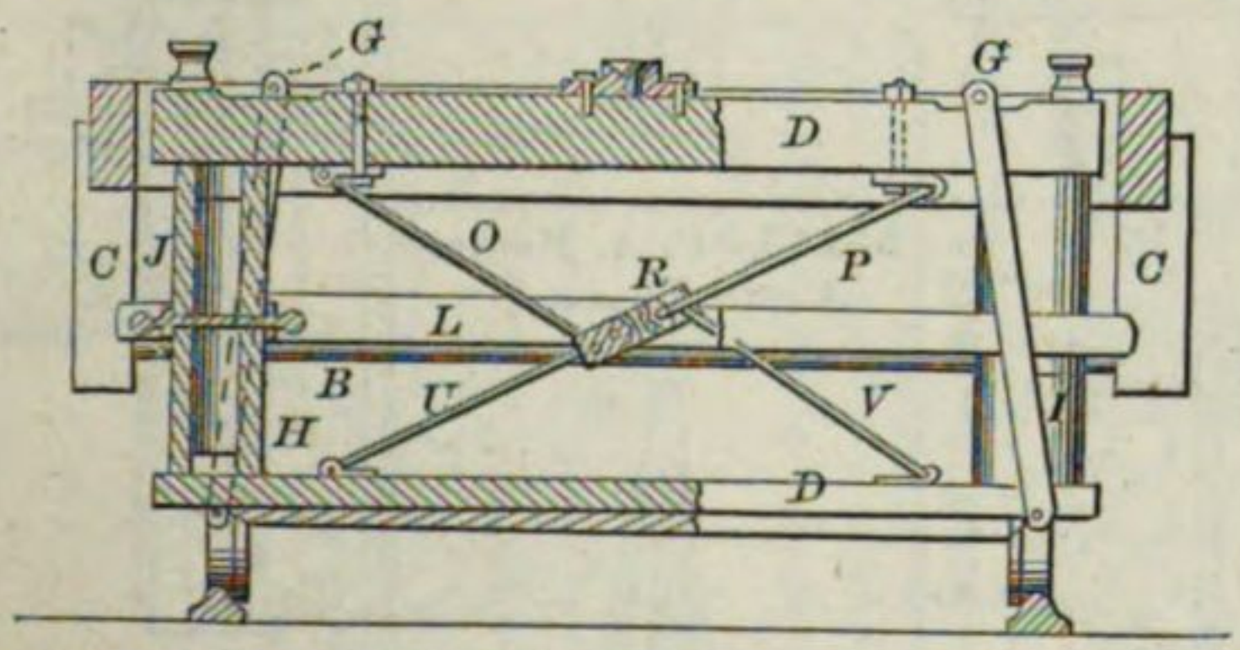
55134—B. Mackerley—*Atmospheric Governor.*



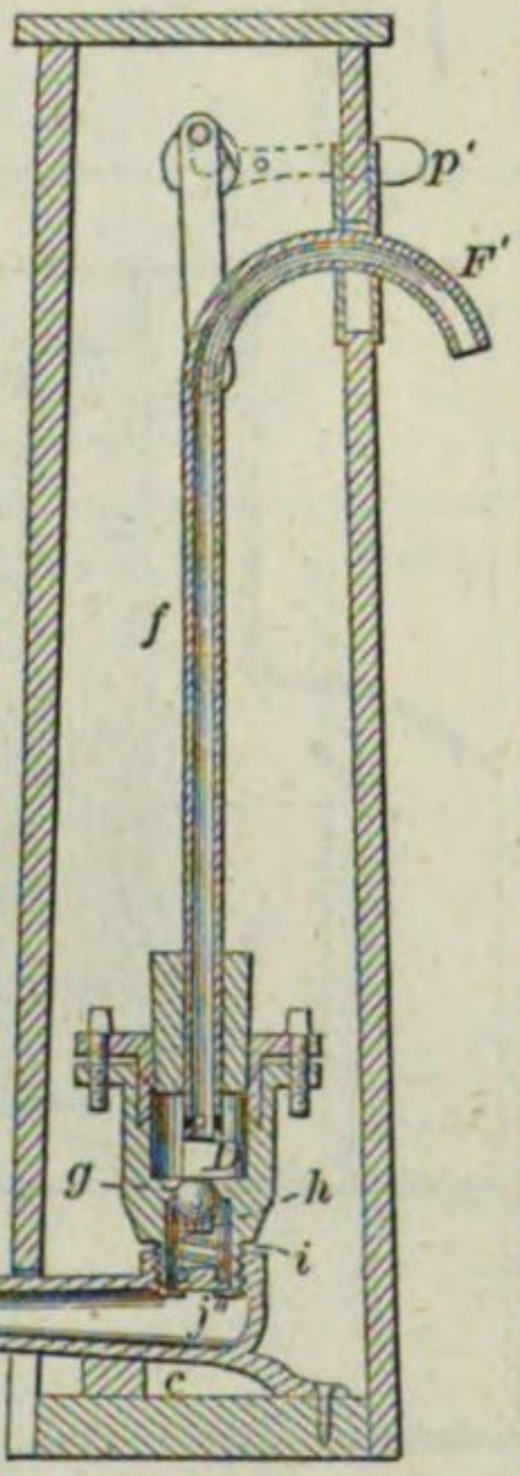
55132—S. L. Lyford—*Gauge for Augers.*



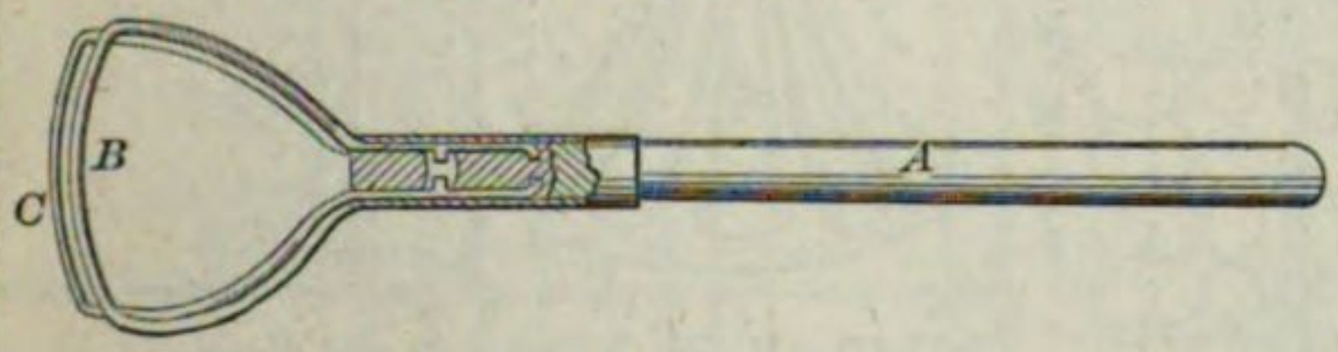
55133—T. Lyman—*Car Truck.*



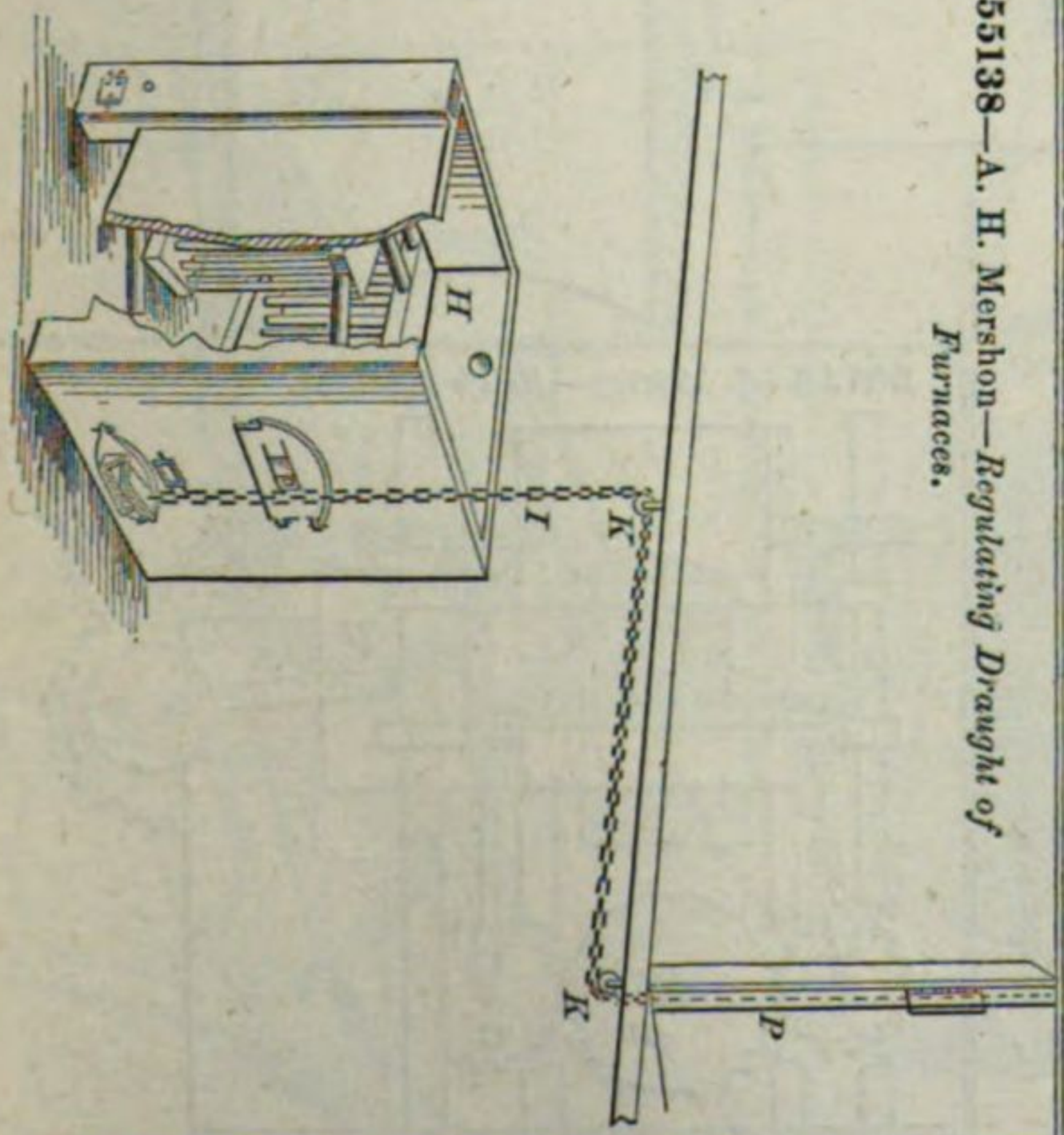
55136—R. A. McCauley—*Hydrant.*



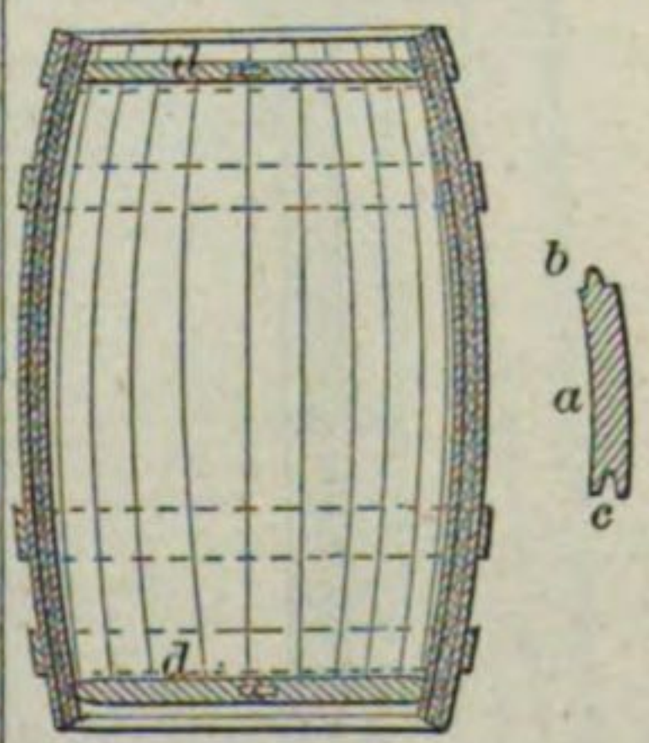
55135—H. B. Malbone—*Mop Handle.*



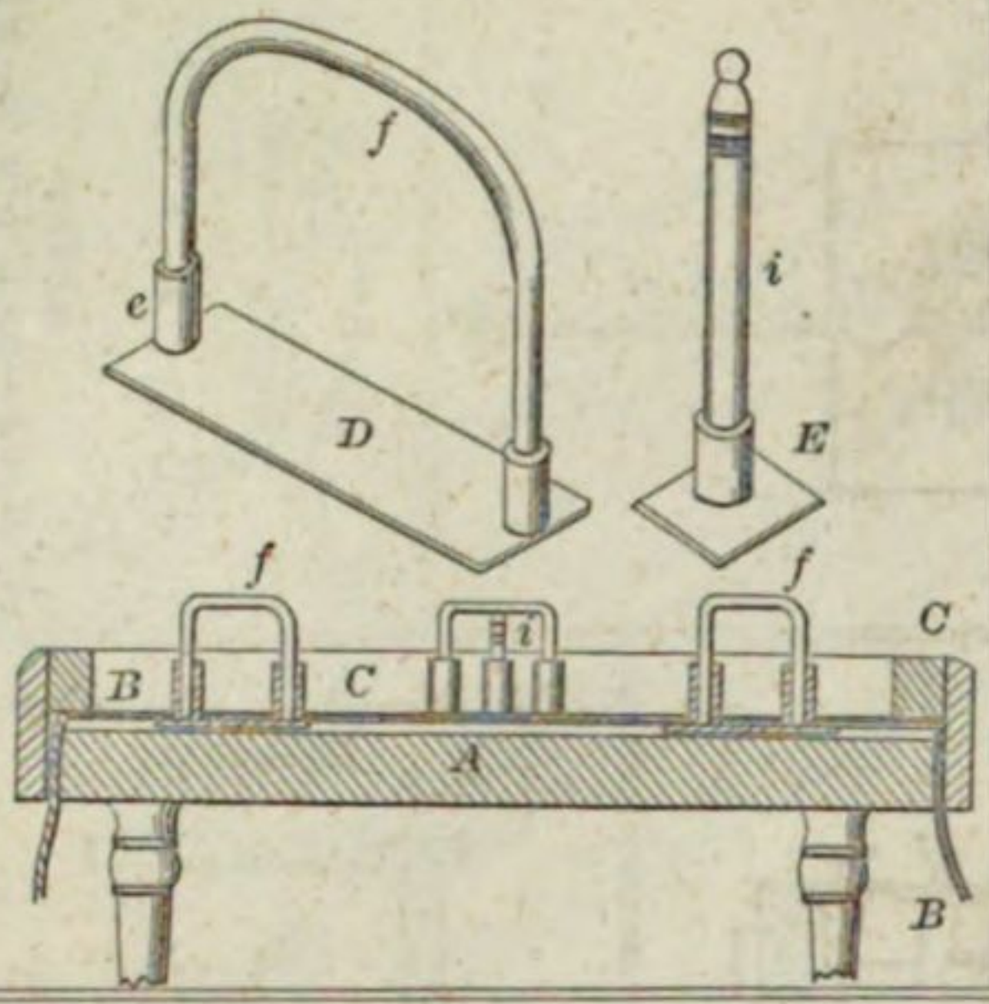
55138—A. H. Mershon—*Regulating Draught of Furnaces.*



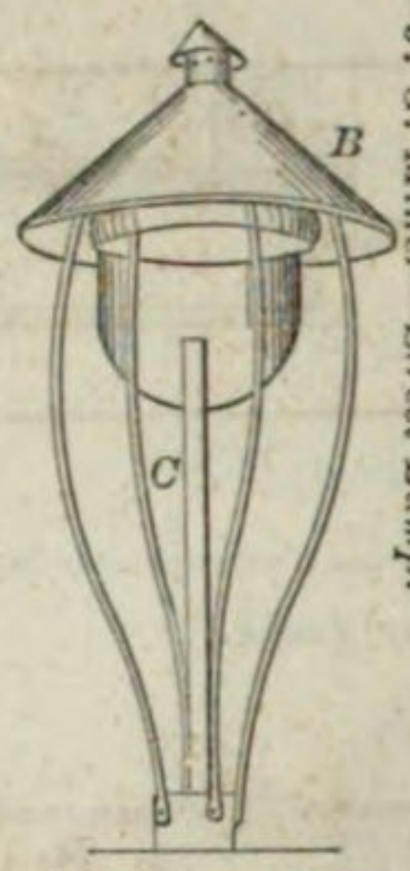
55137—J. Merrill—*Cask, Barrel, and Keg.*



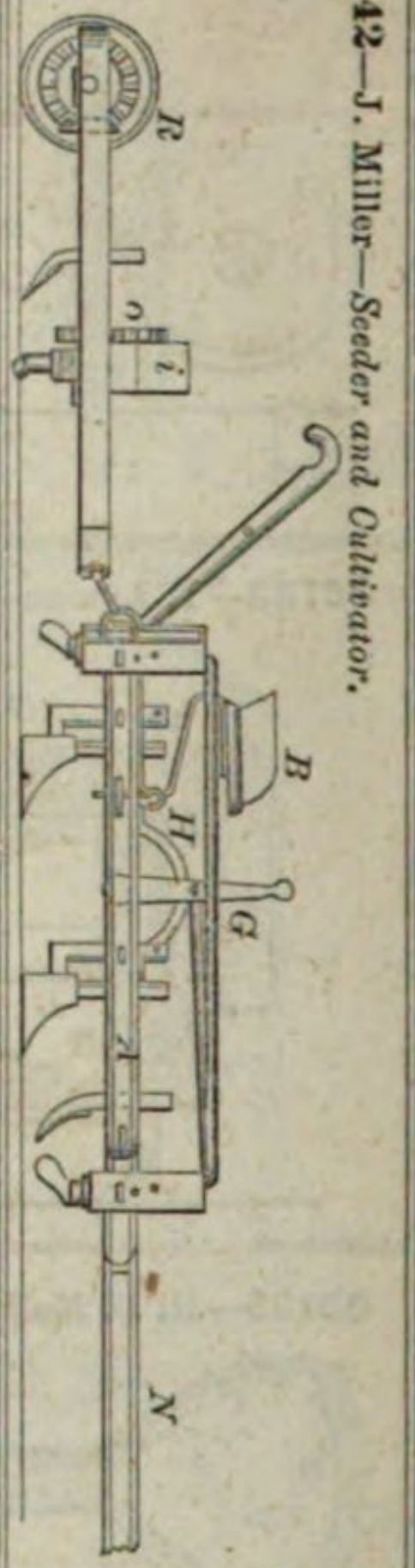
55139—W. S. Messinger—*Parlor Croquet.*



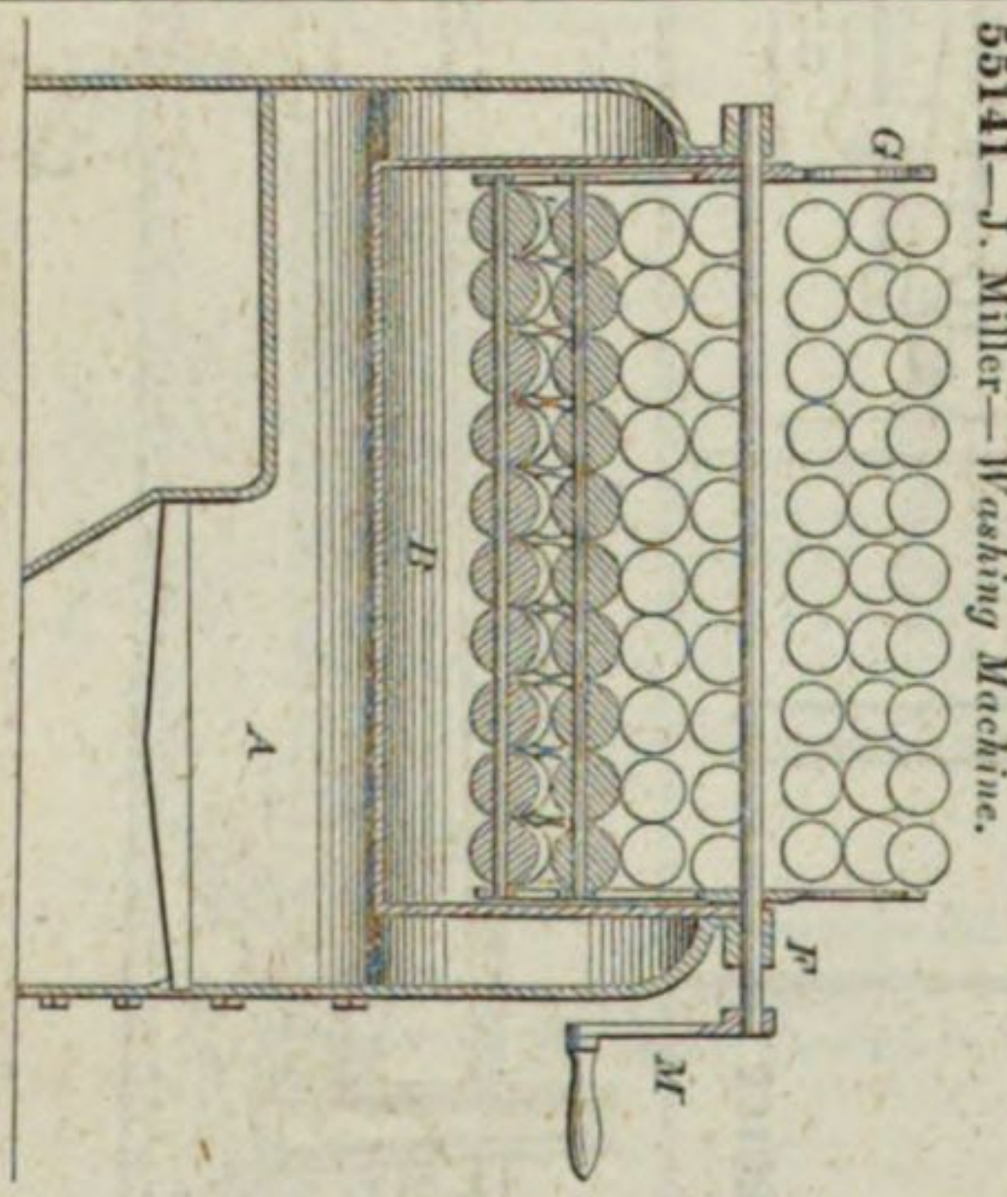
55143—J. G. Miner—*Street Lamp.*



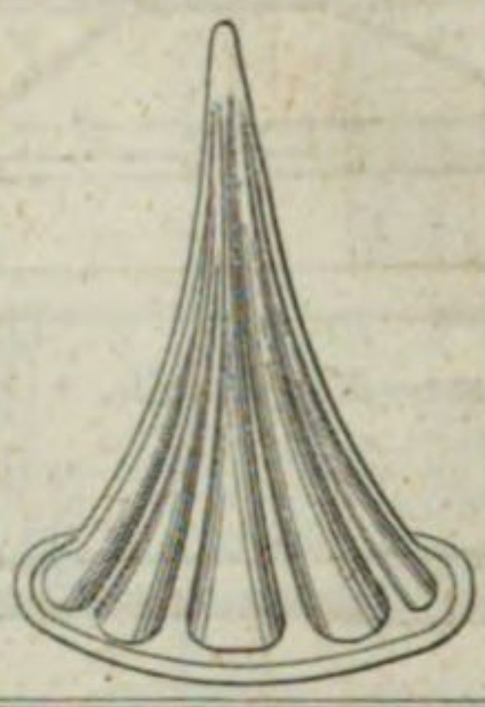
55142—J. Miller—*Seeder and Cultivator.*



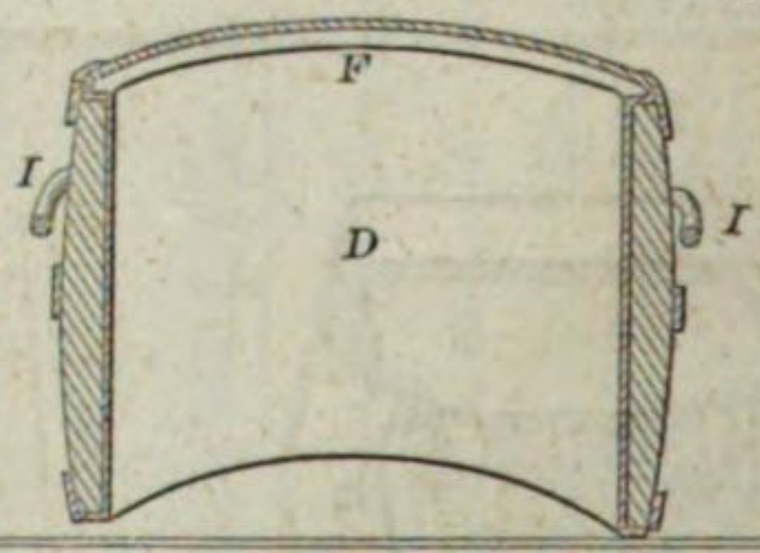
55141—J. Miller—*Washing Machine.*



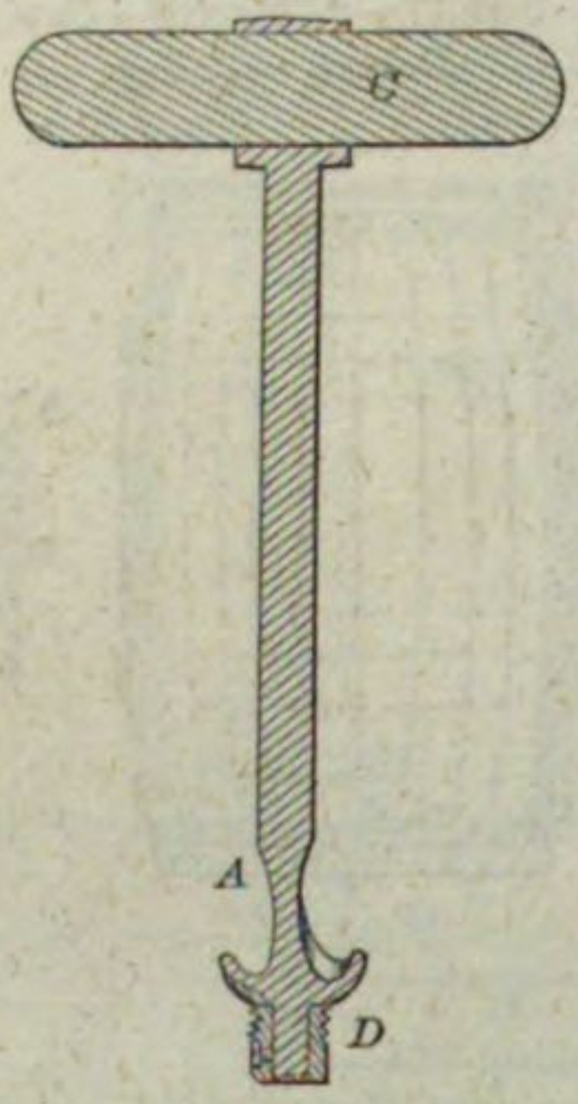
55145—C. A. Moore—*Kettle Bottom.*



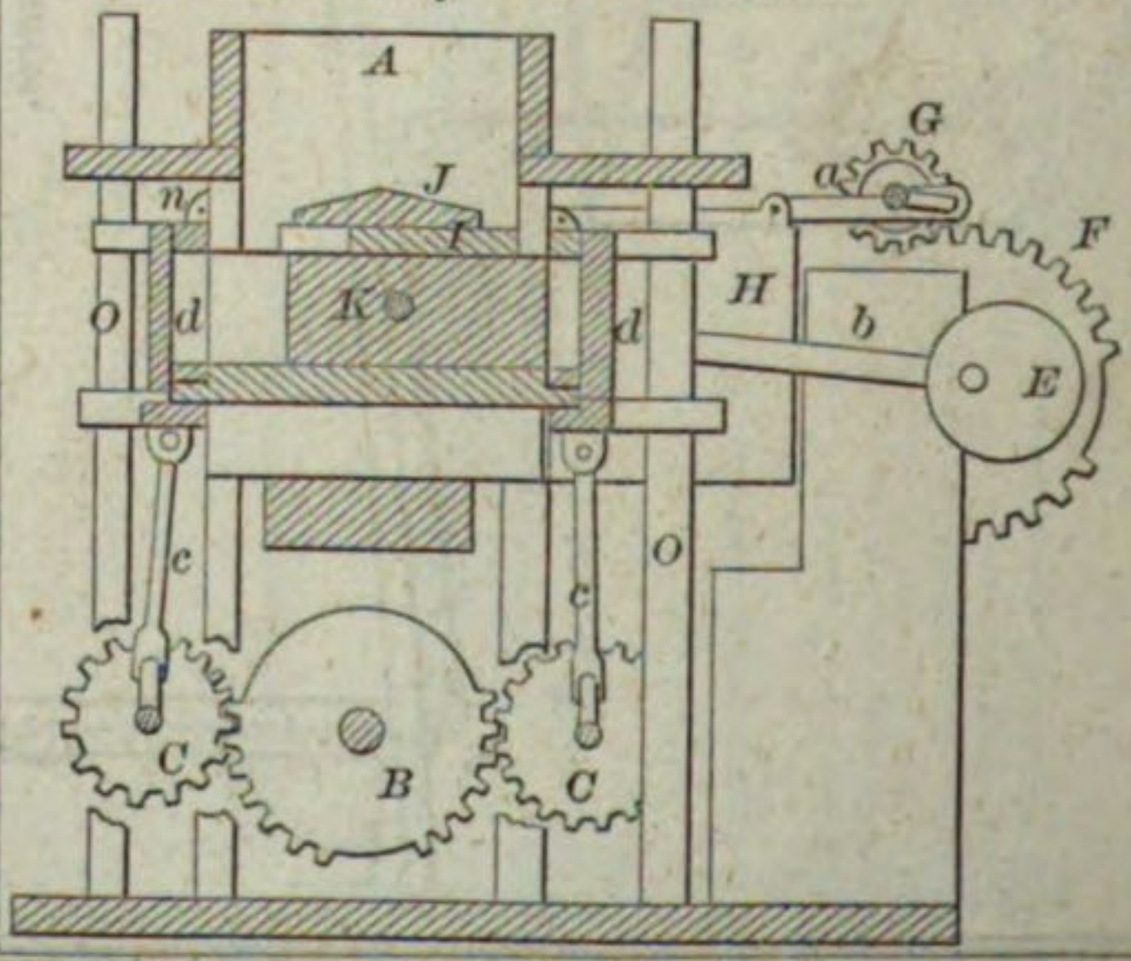
55140—H. W. Miller—*Cheese Hoop.*



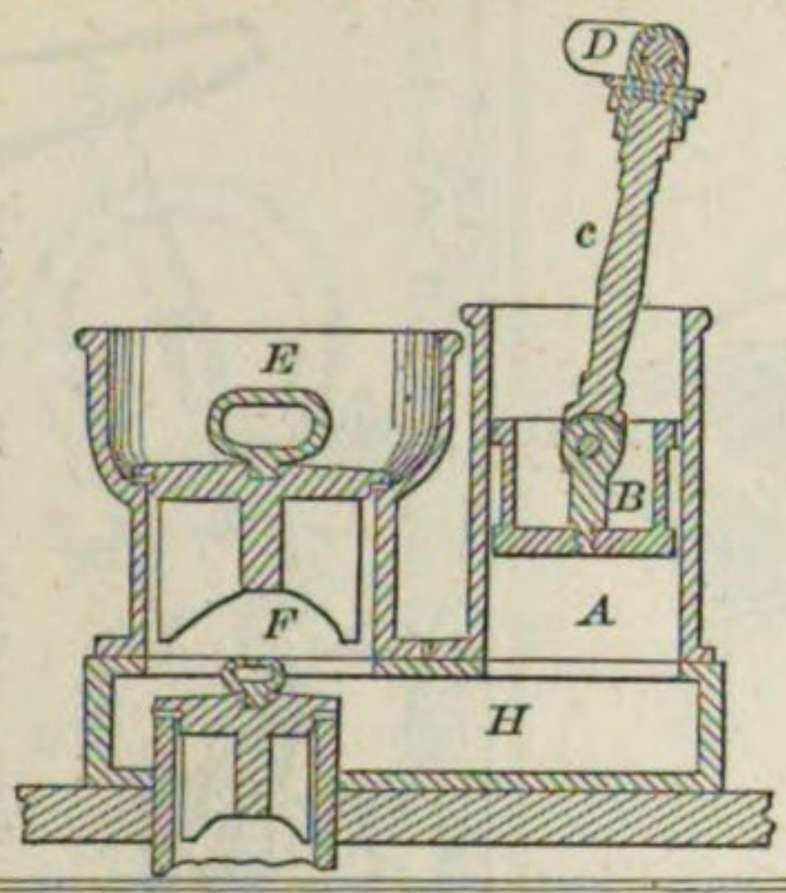
55144—H. T. Moody—*Auger.*



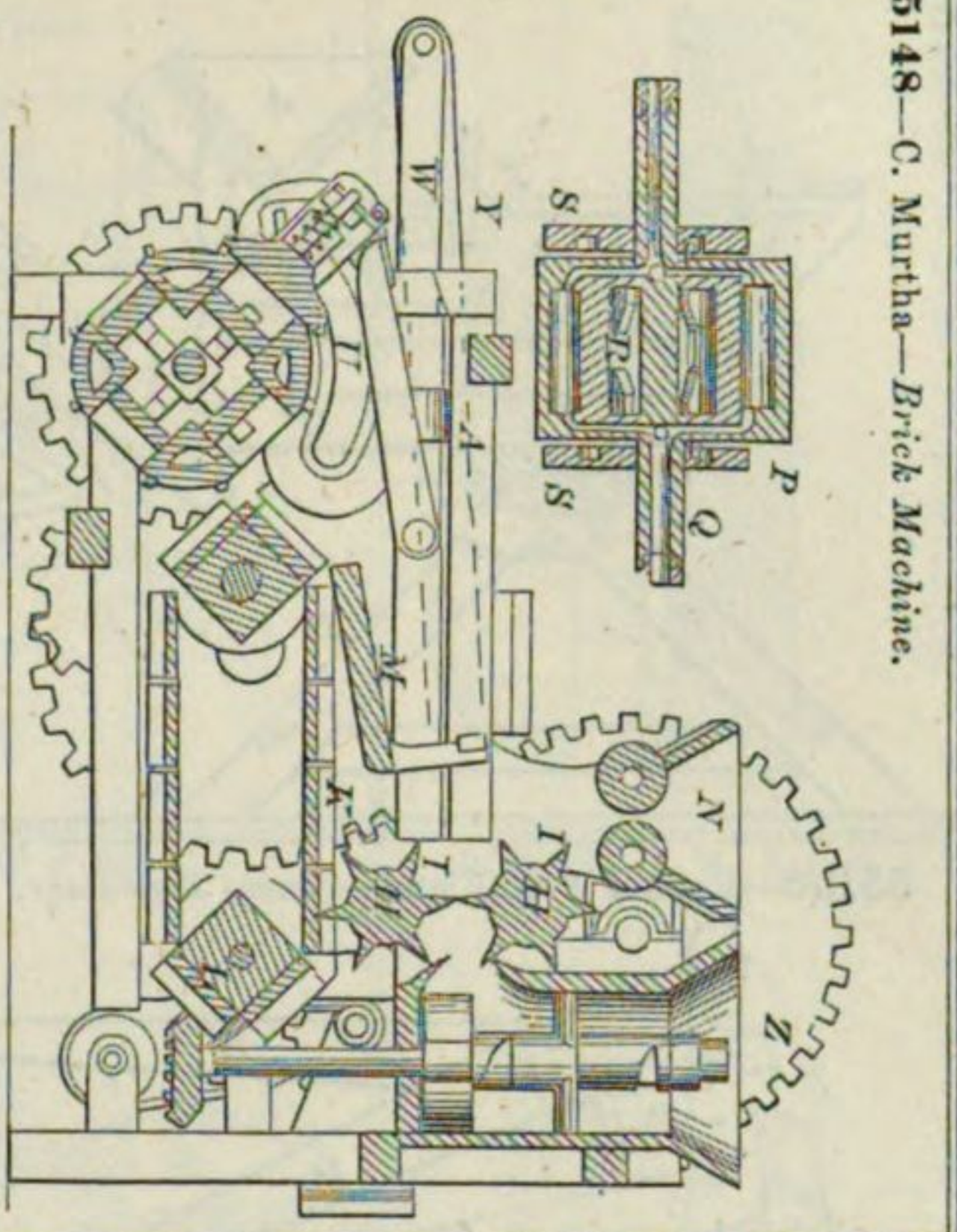
55146—I. Morley—*Brick Machine.*



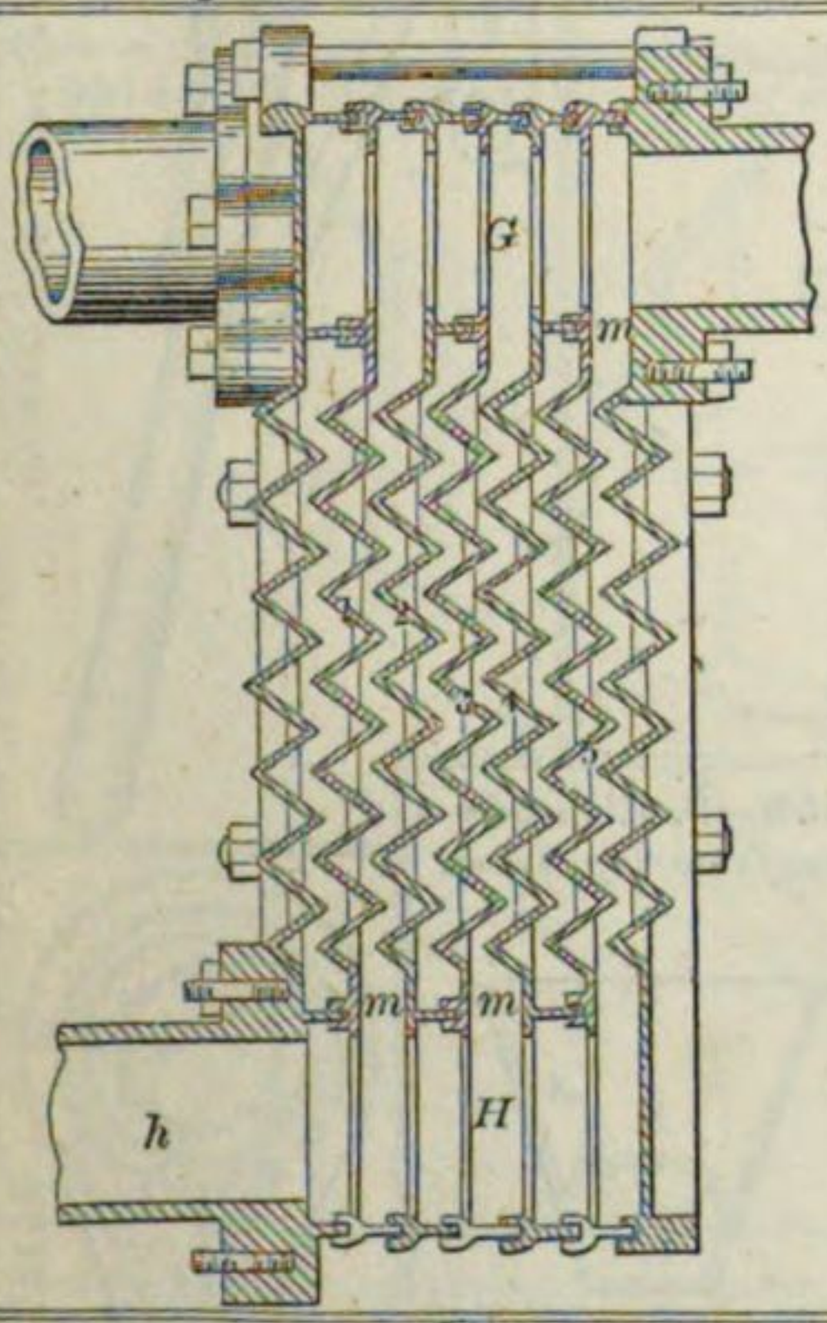
55147—G. Moulton, Jr.—*Ship's Pump.*



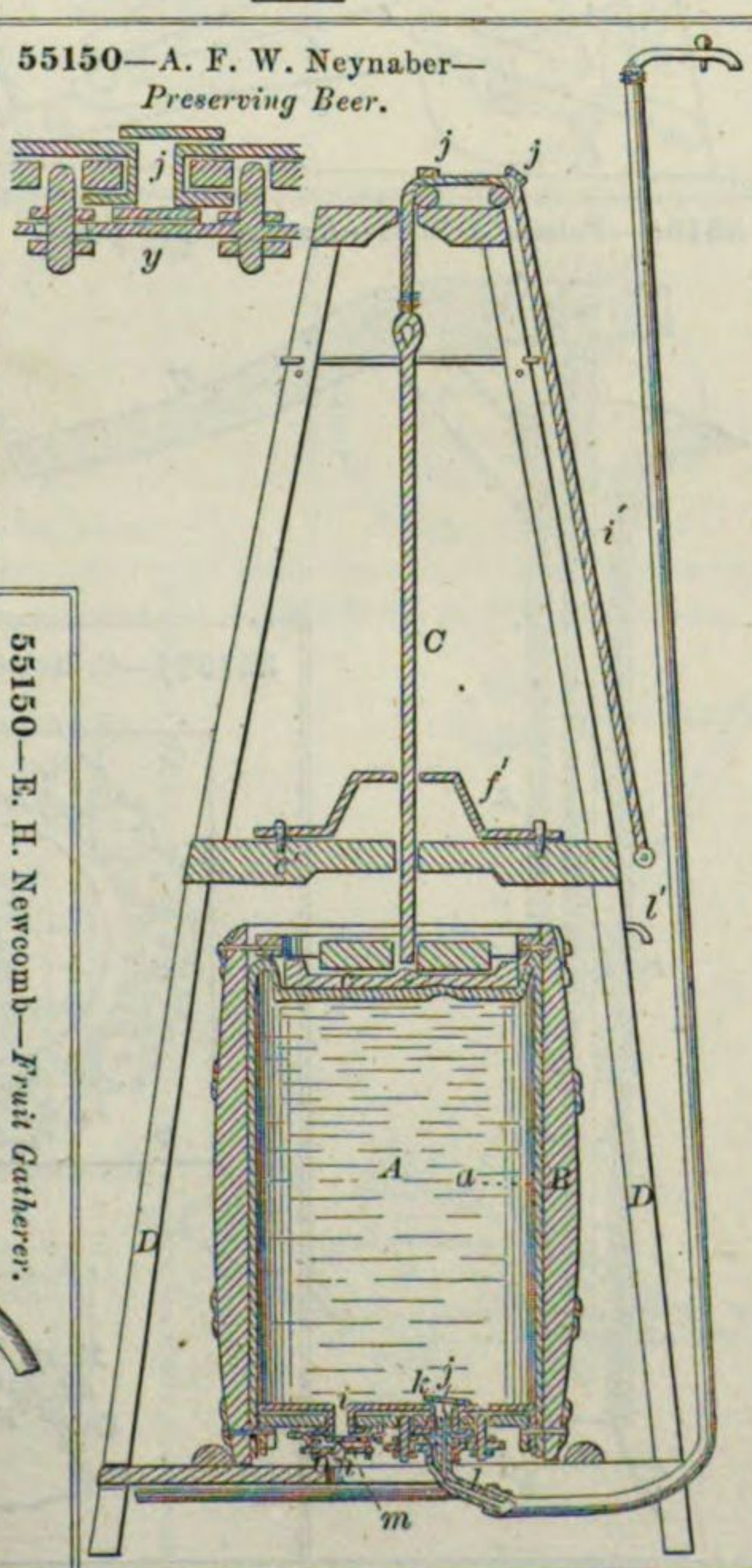
55148—C. Murtha—*Brick Machine.*



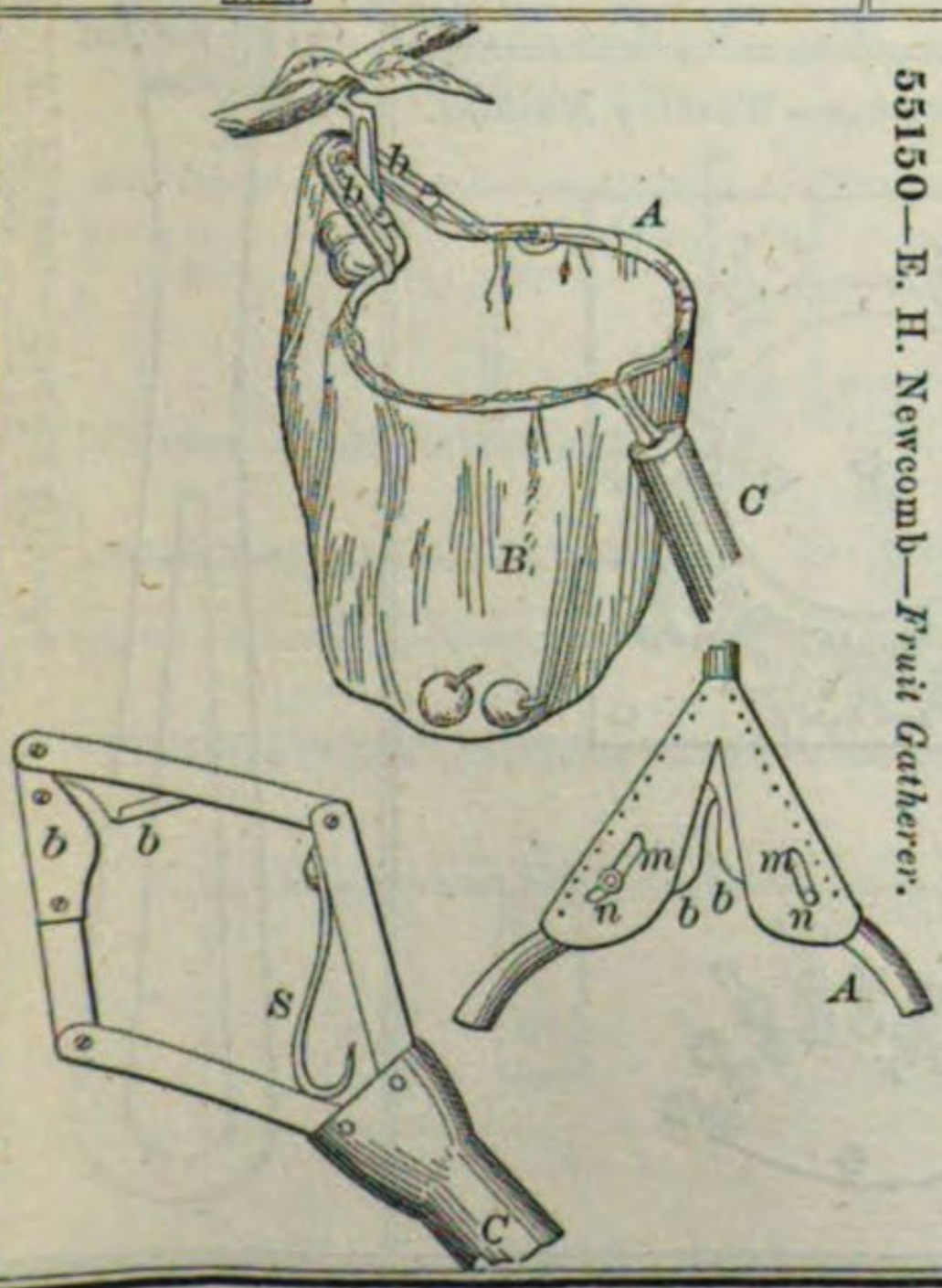
55149—J. Nason—*Surface Condenser.*



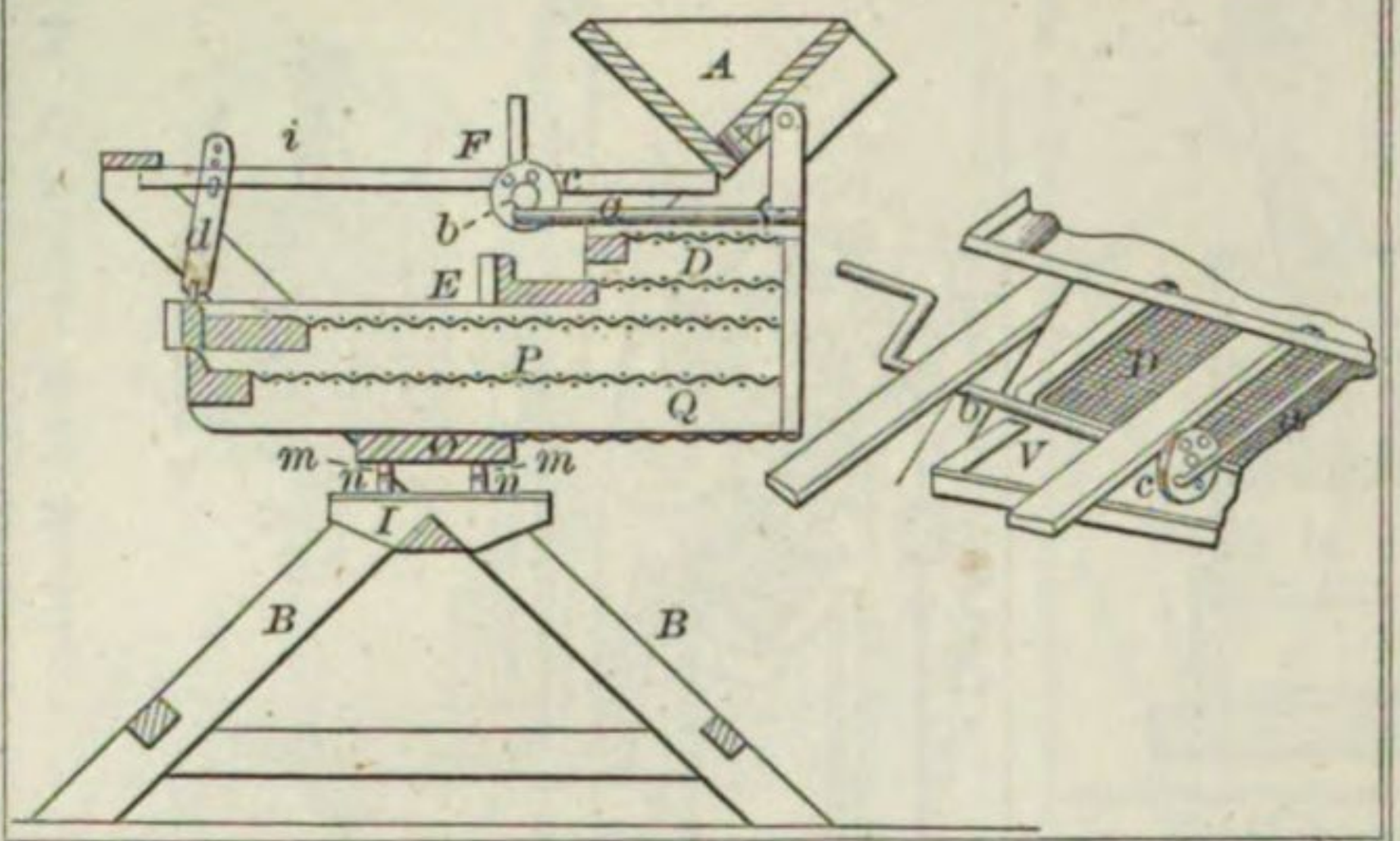
55150—A. F. W. Neynaber—
Preserving Beer.



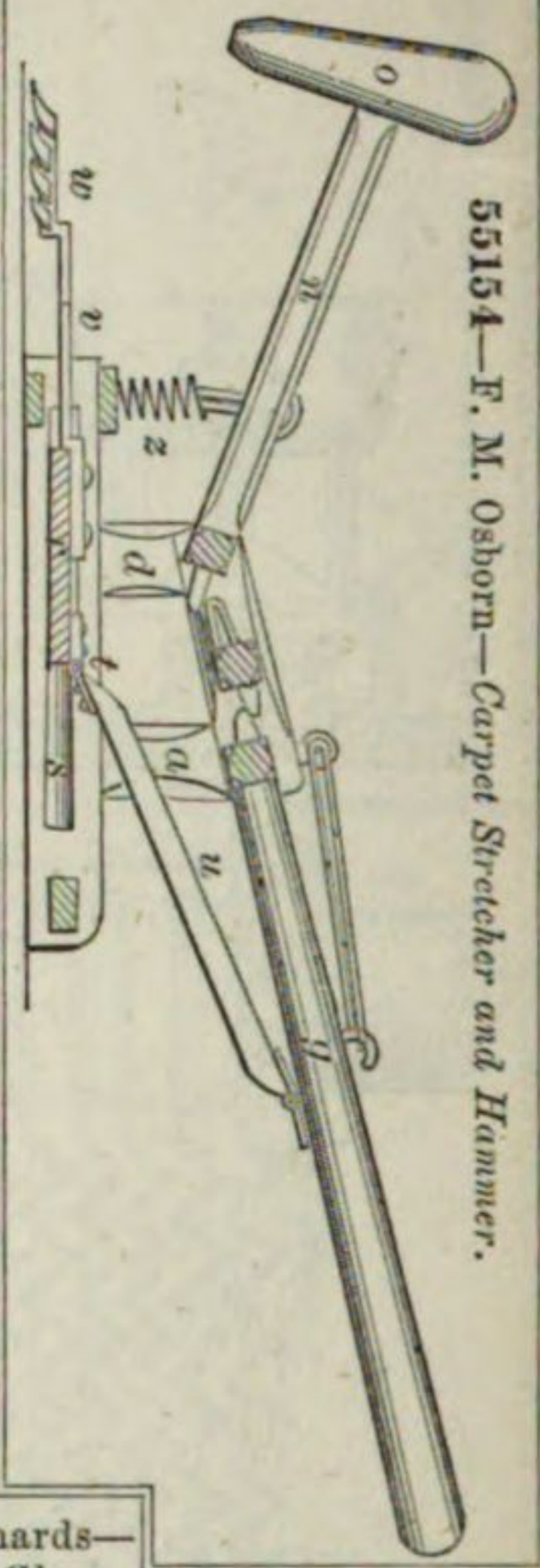
55150—E. H. Newcomb—*Fruit Gatherer.*



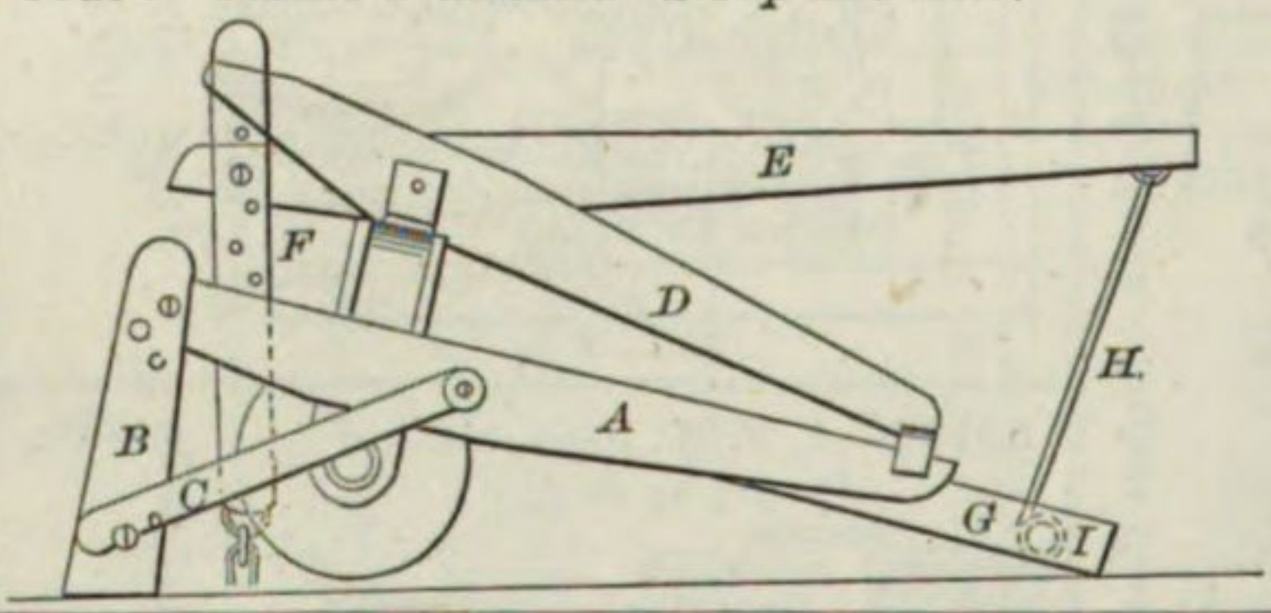
55152—H. Ogborn—*Grain Screen.*



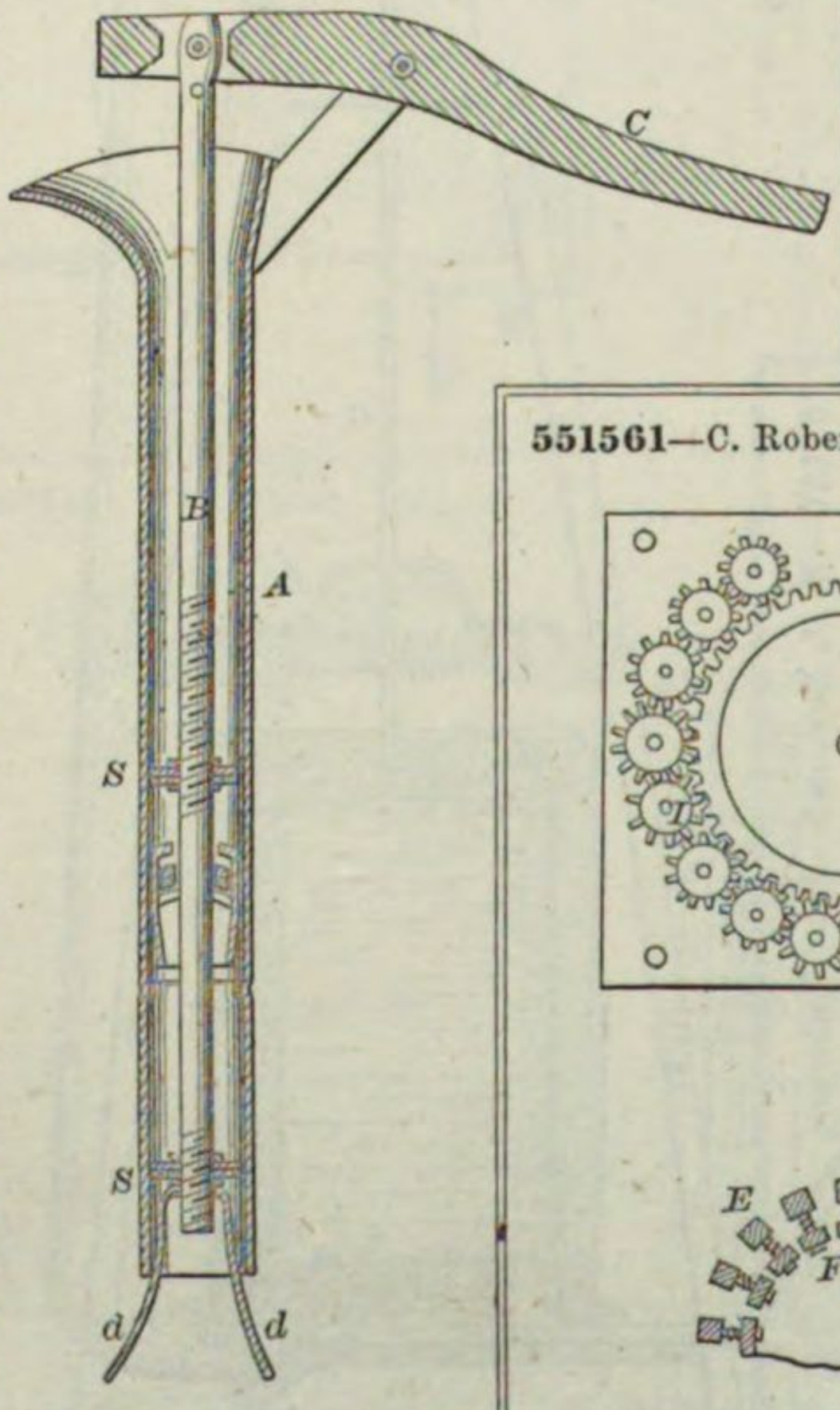
55154—F. M. Osborn—*Carpet Stretcher and Hammer.*



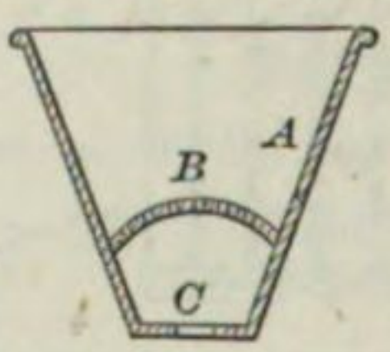
55156—Palmer & Gilliland—*Stump Extractor.*



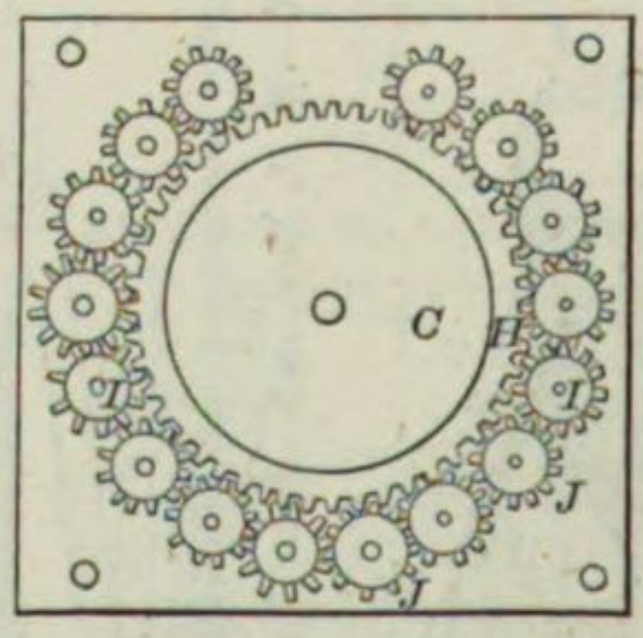
55155—Palmer & Bean—*Reservoir for Wells.*



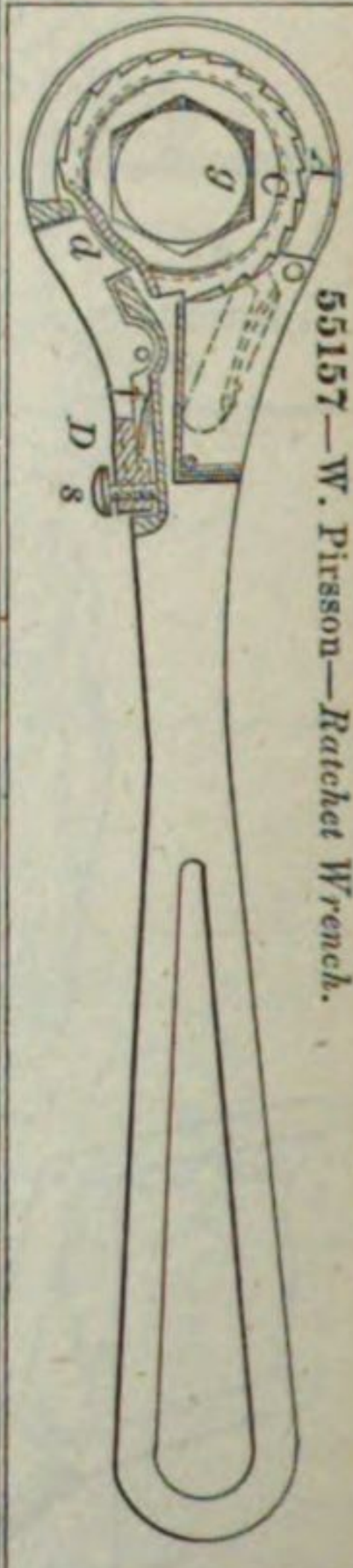
55159—S. Richards—*Manufacturing Glass.*



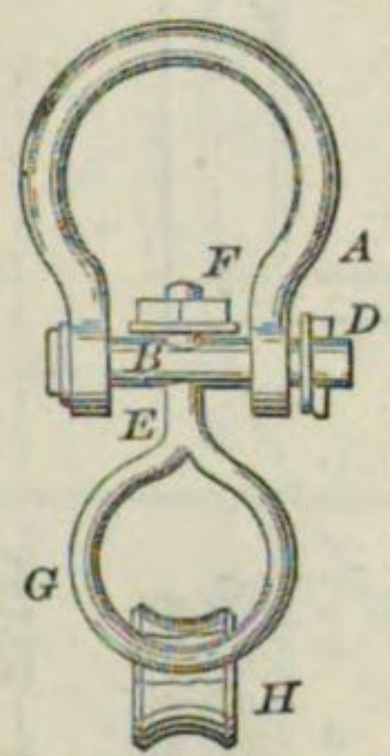
551561—C. Roberts—*Washing Machine.*



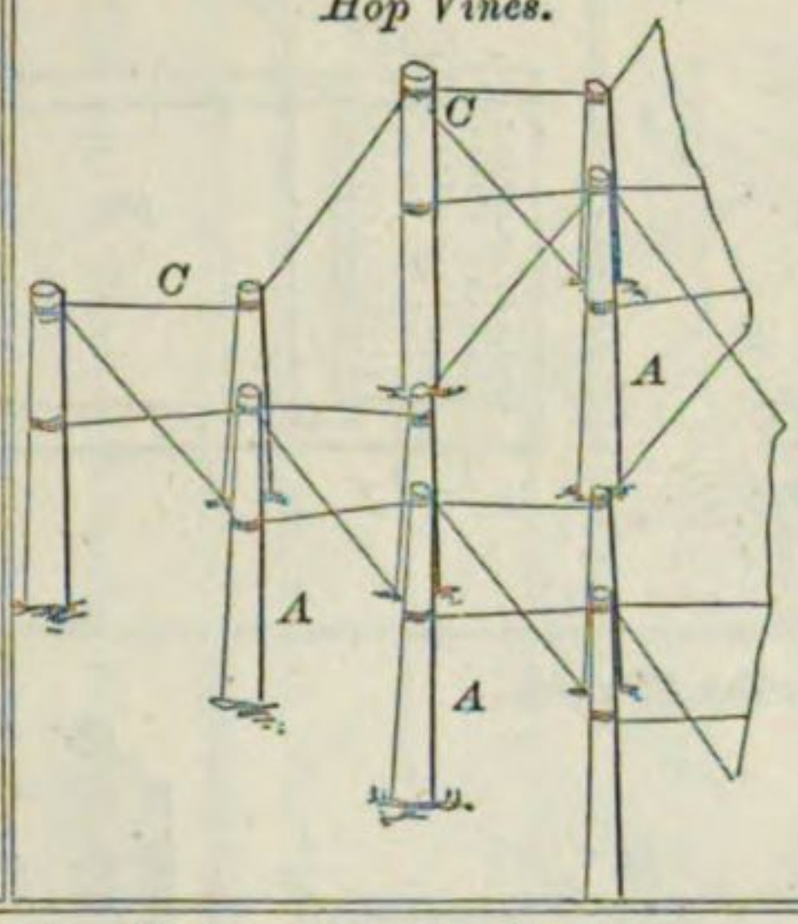
55157—W. Pirsson—*Ratchet Wrench.*



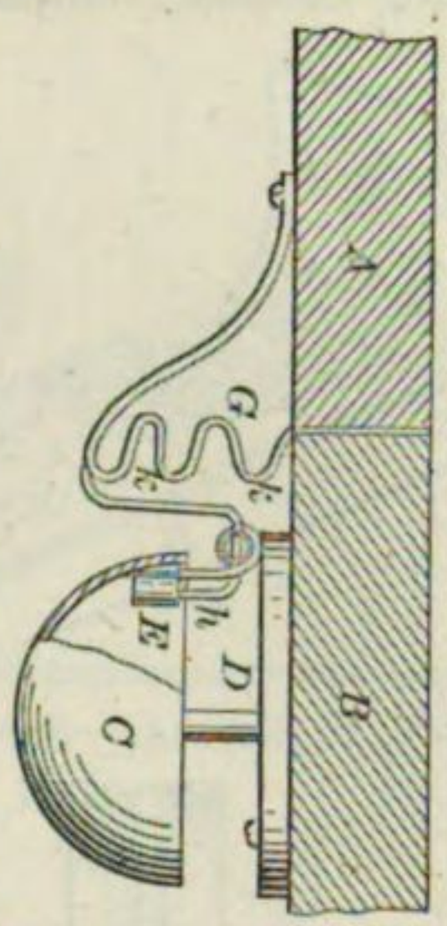
55162—T. B. Roche—*Swivel Shackle.*



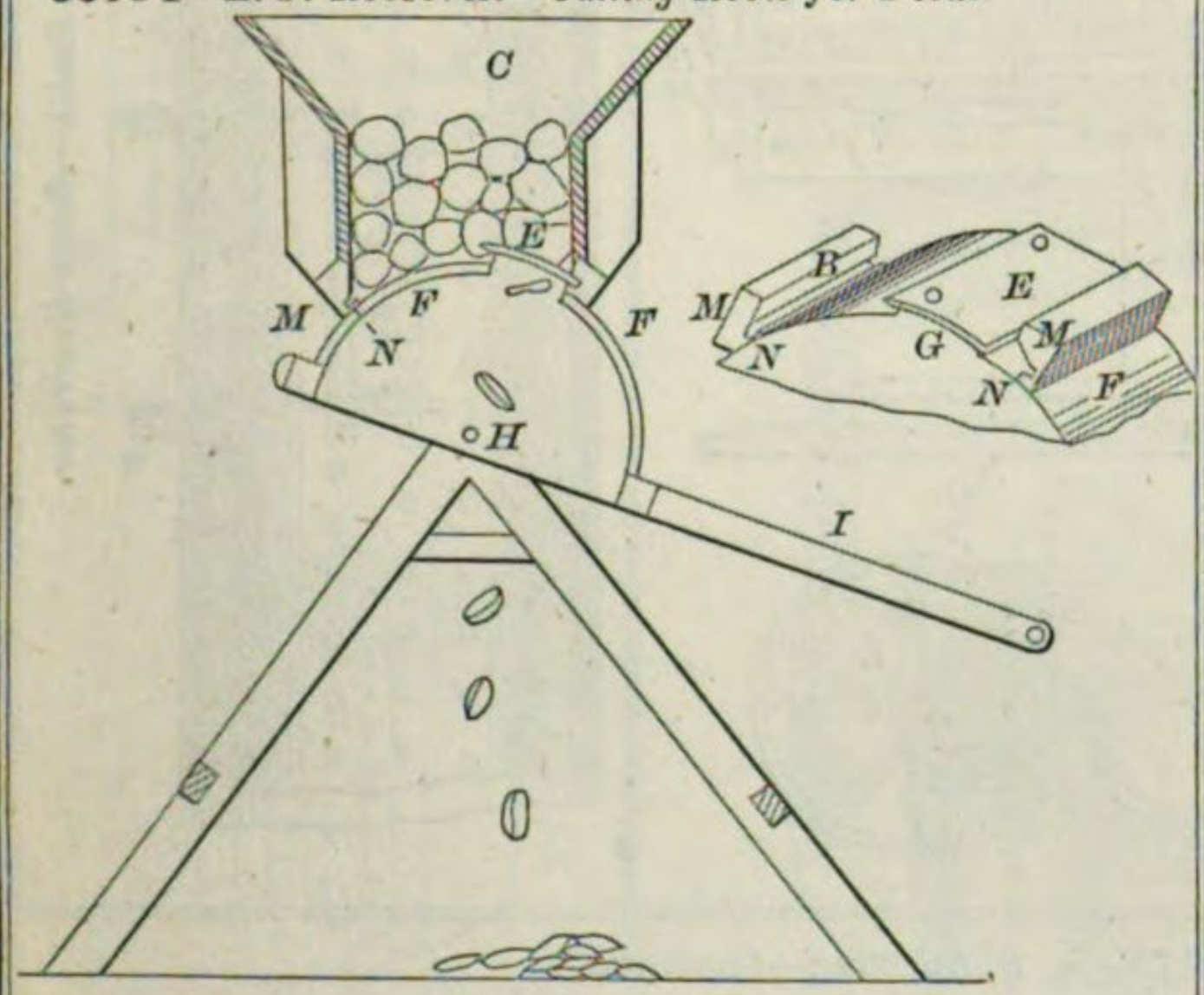
55163—B. C. Rogers—*Training Hop Vines.*



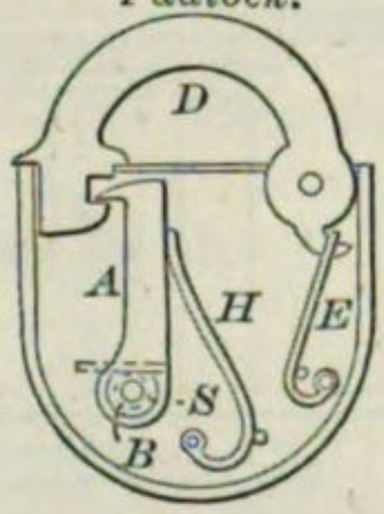
55165—A. J. Ross—*Burglar Alarm.*

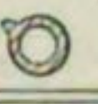


55164—E. J. Roosevelt—*Cutting Roots for Feed.*

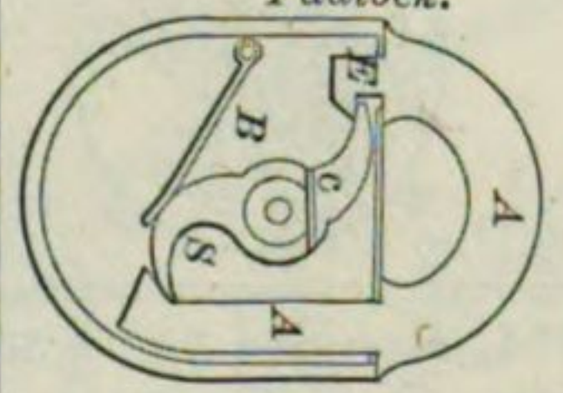


55166—C. W. Saladee—*Padlock.*

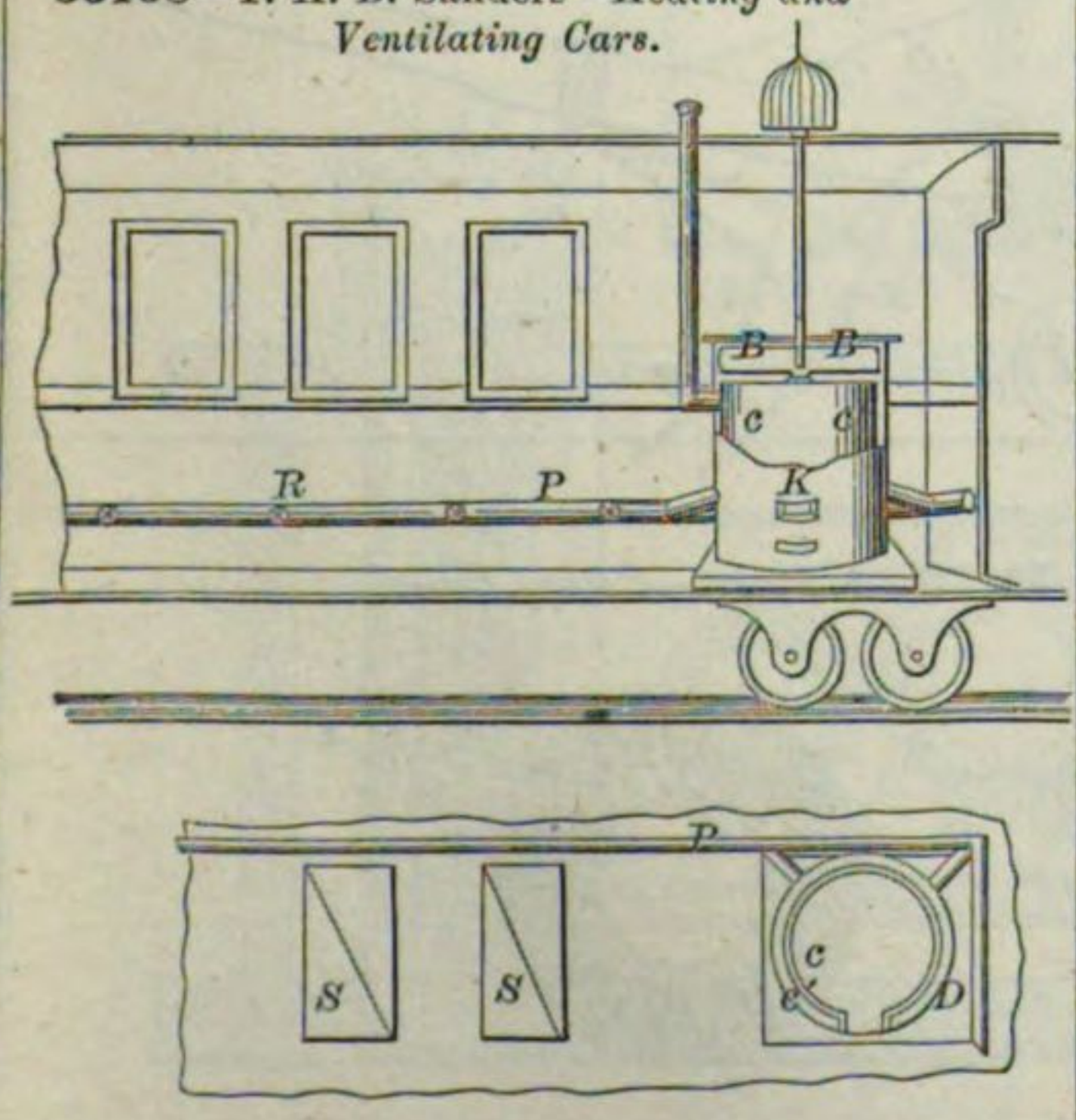




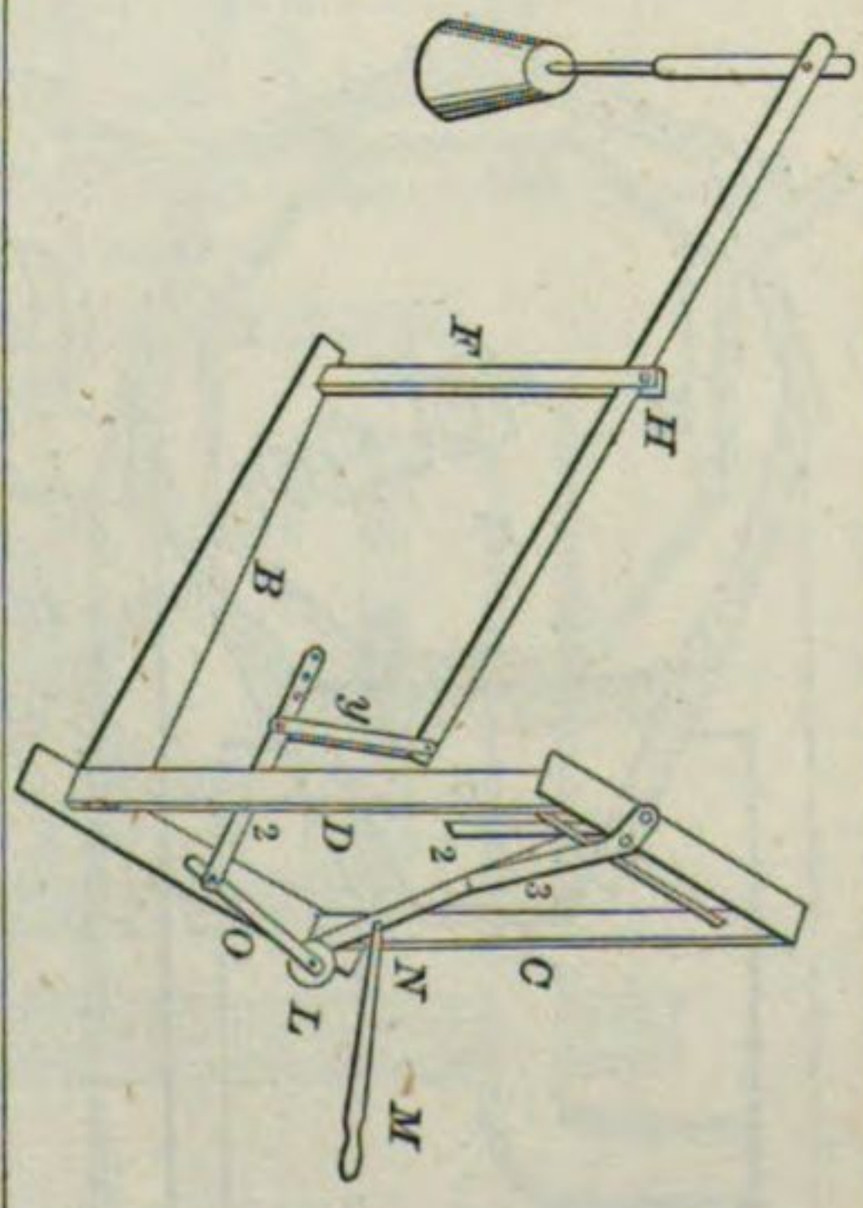
55167—C. W. Saladee—*Padlock.*



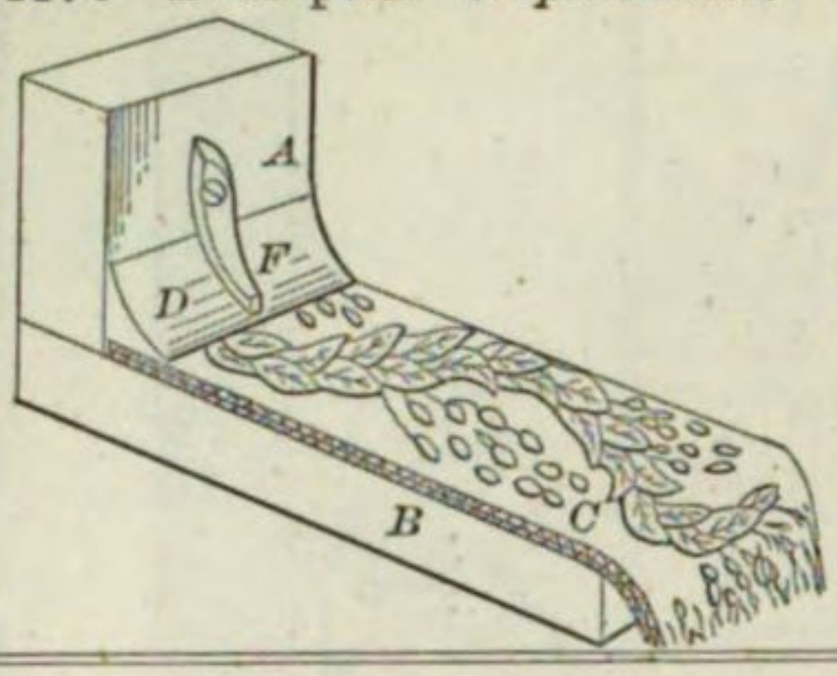
55168—T. H. B. Sanders—*Heating and Ventilating Cars.*



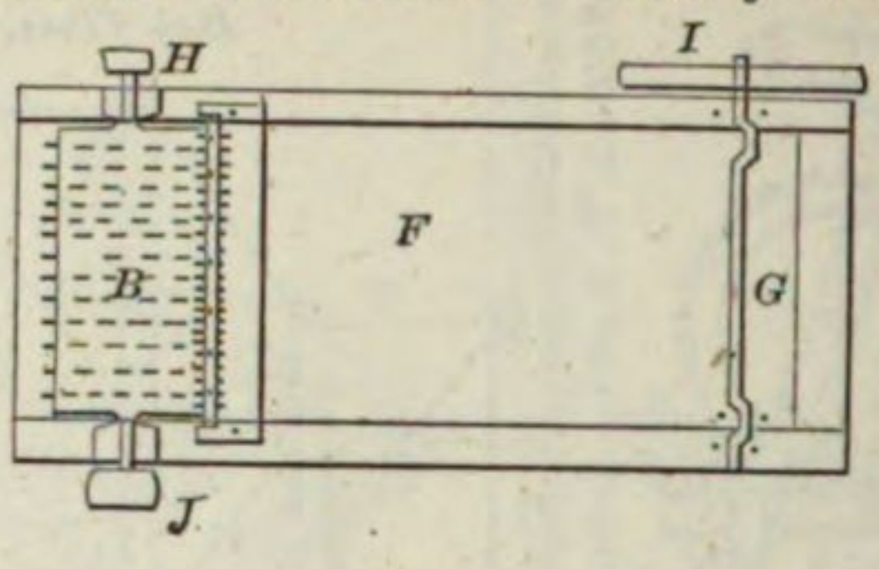
55169—J. F. Seaman—*Churn.*



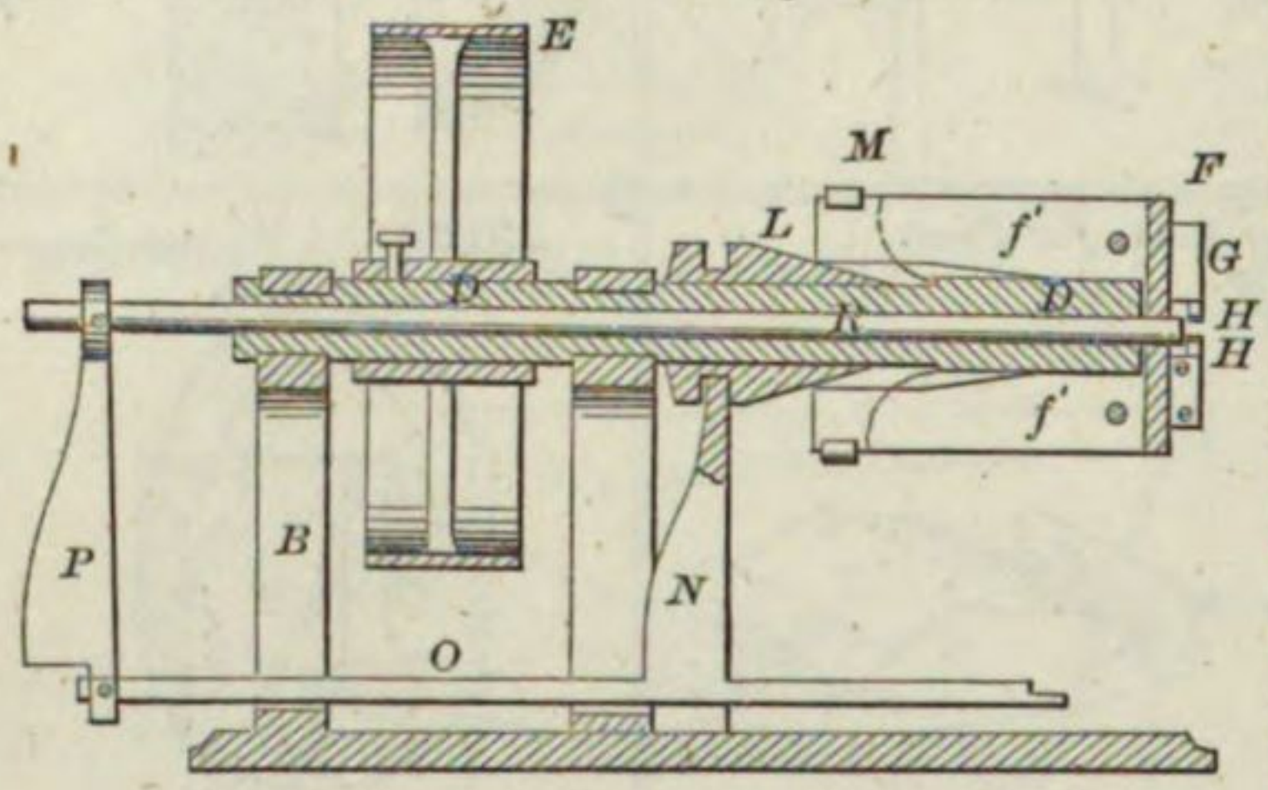
55170—E. Shopbell—*Carpet Holder.*

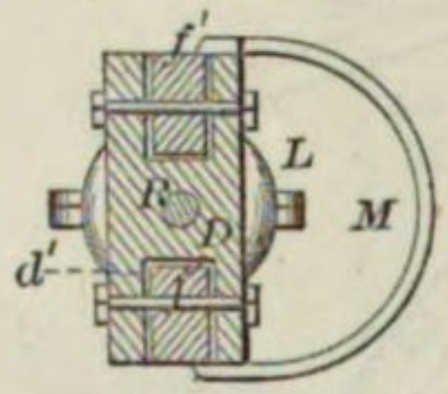


55173—H. M. Smith—*For Cutting Tobacco.*

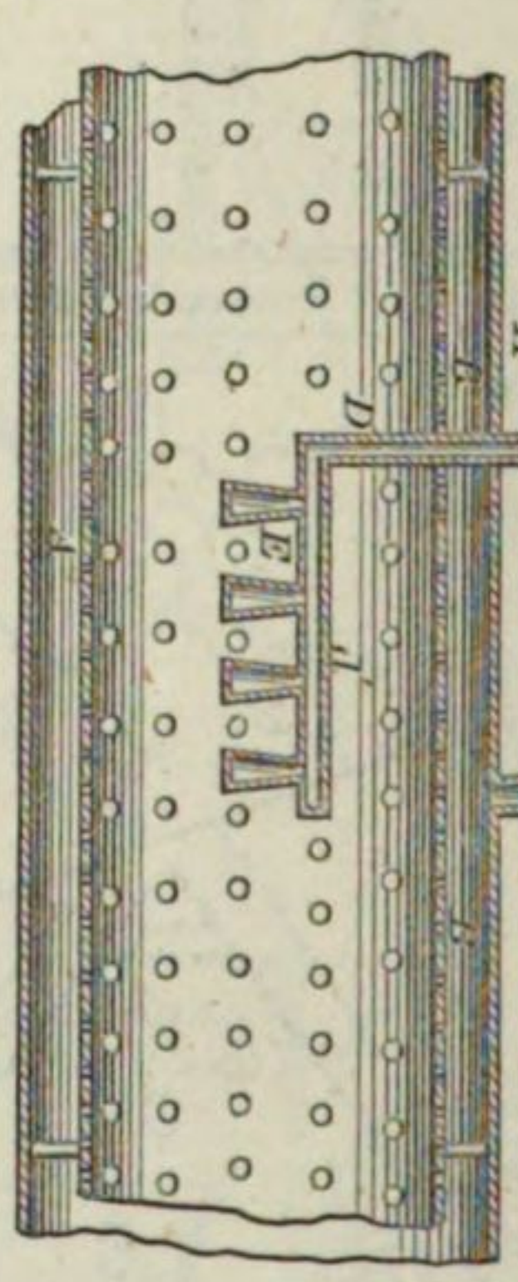


55171—A. B. Simonds—*Screw Cutting Machine.*

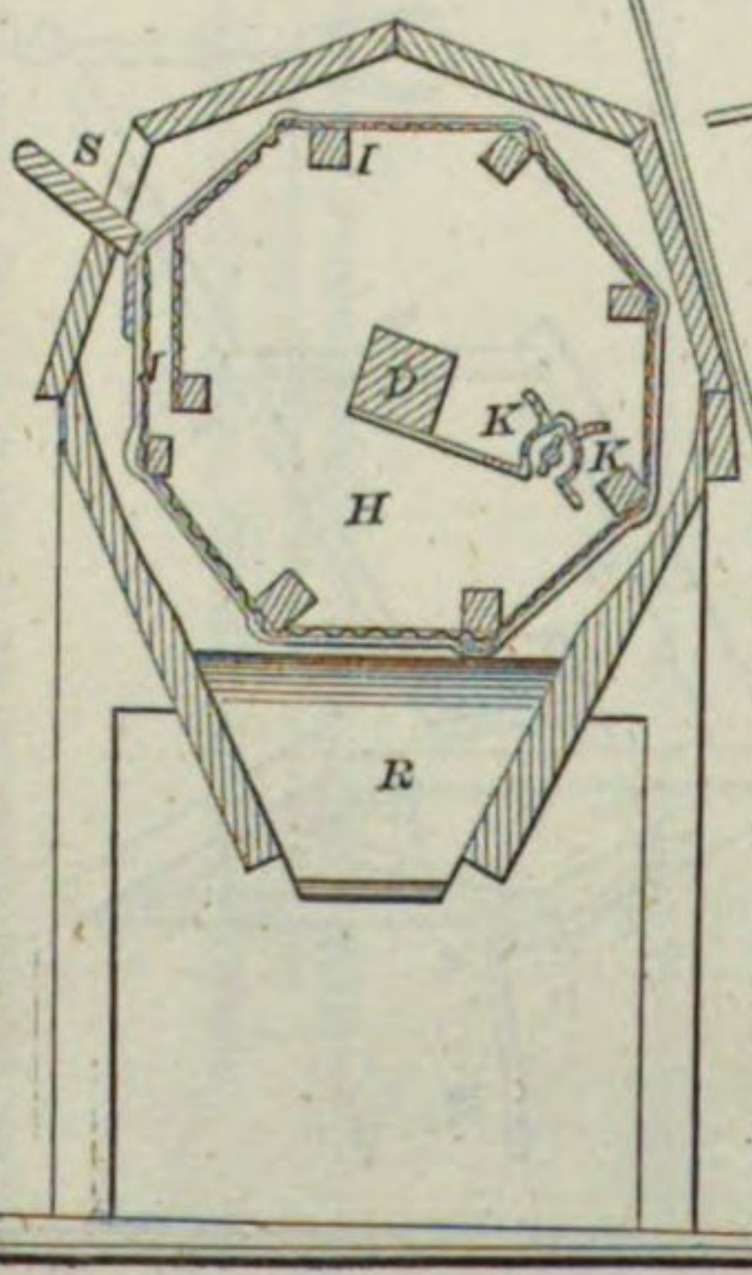




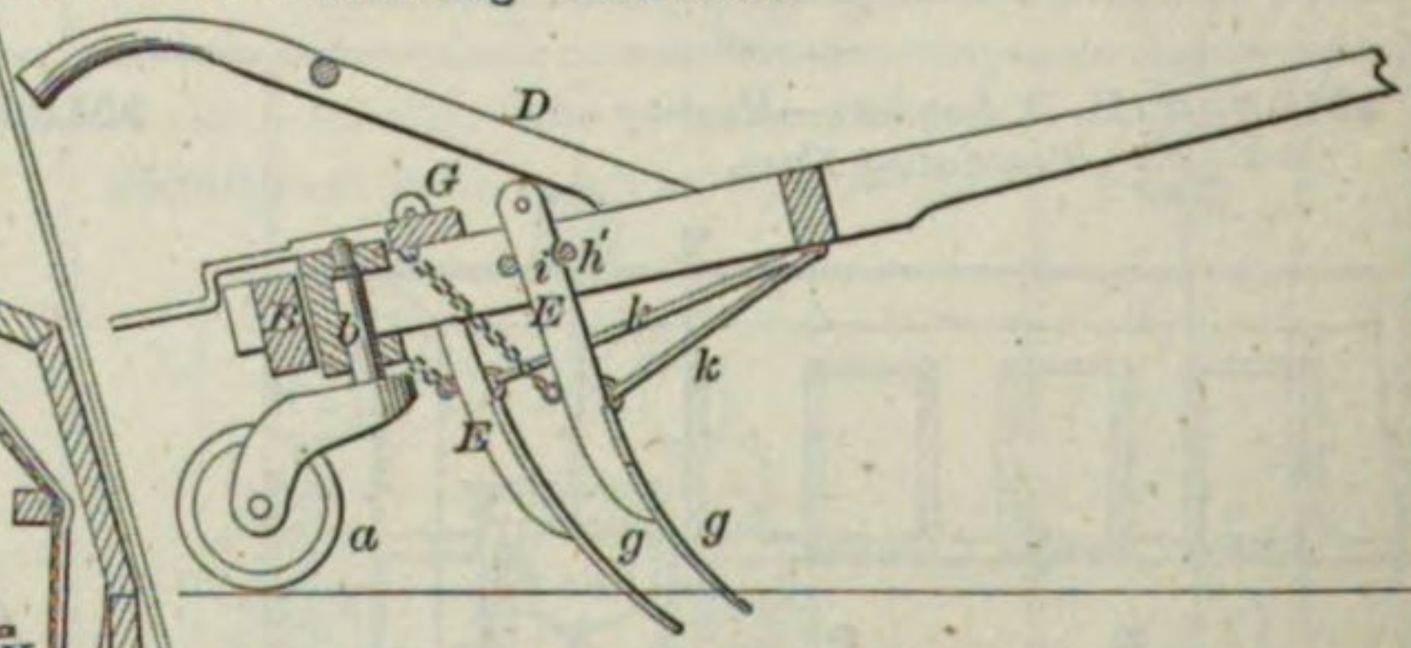
55172—A. J. Smith—*Steam Generator.*



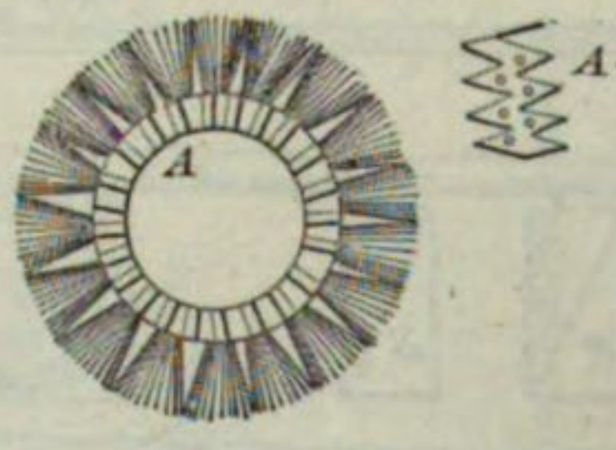
55174—Stevenson & Crider—*Grain Cleaner.*



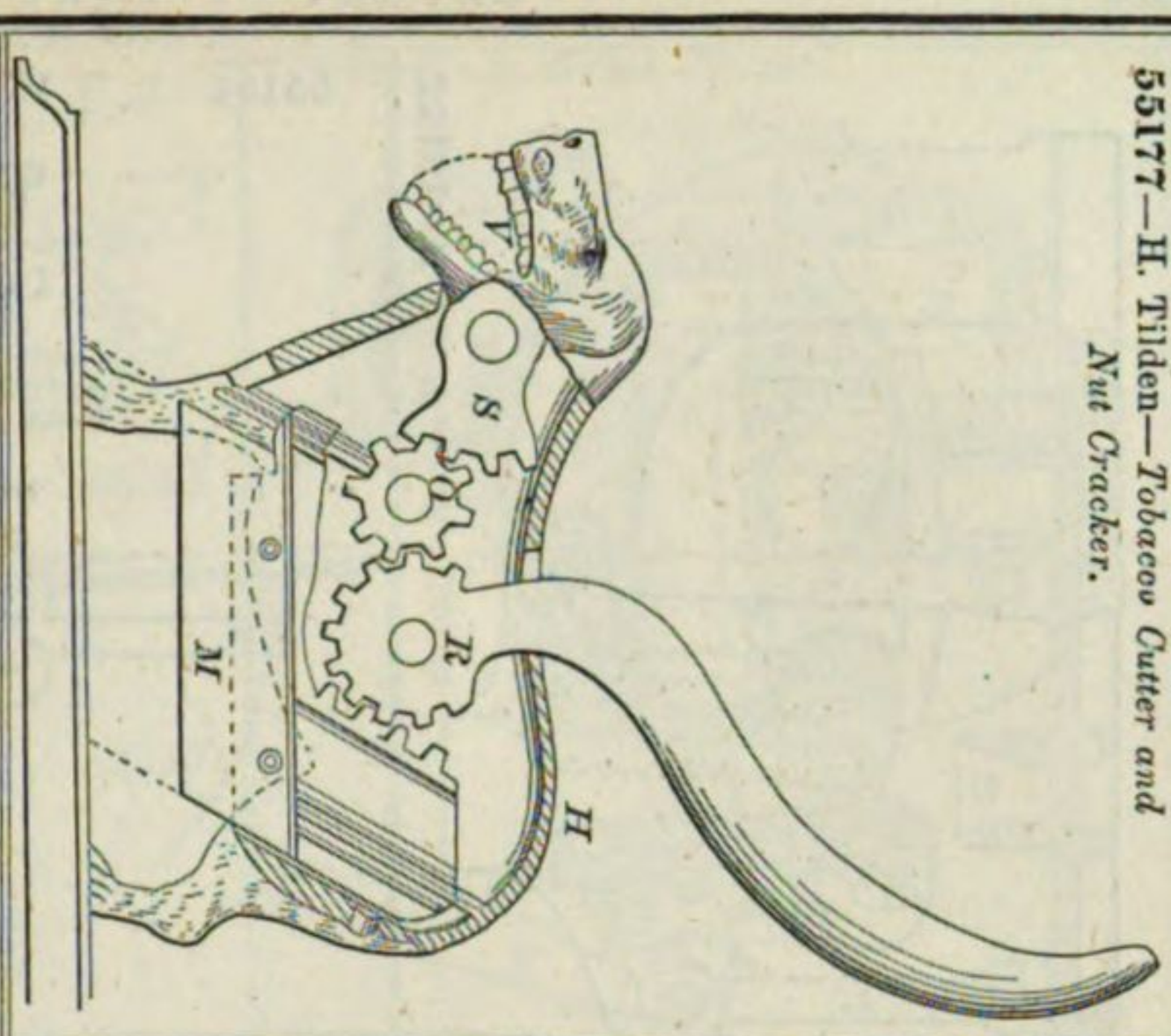
55175—A. D. Stocking—*Cultivator.*



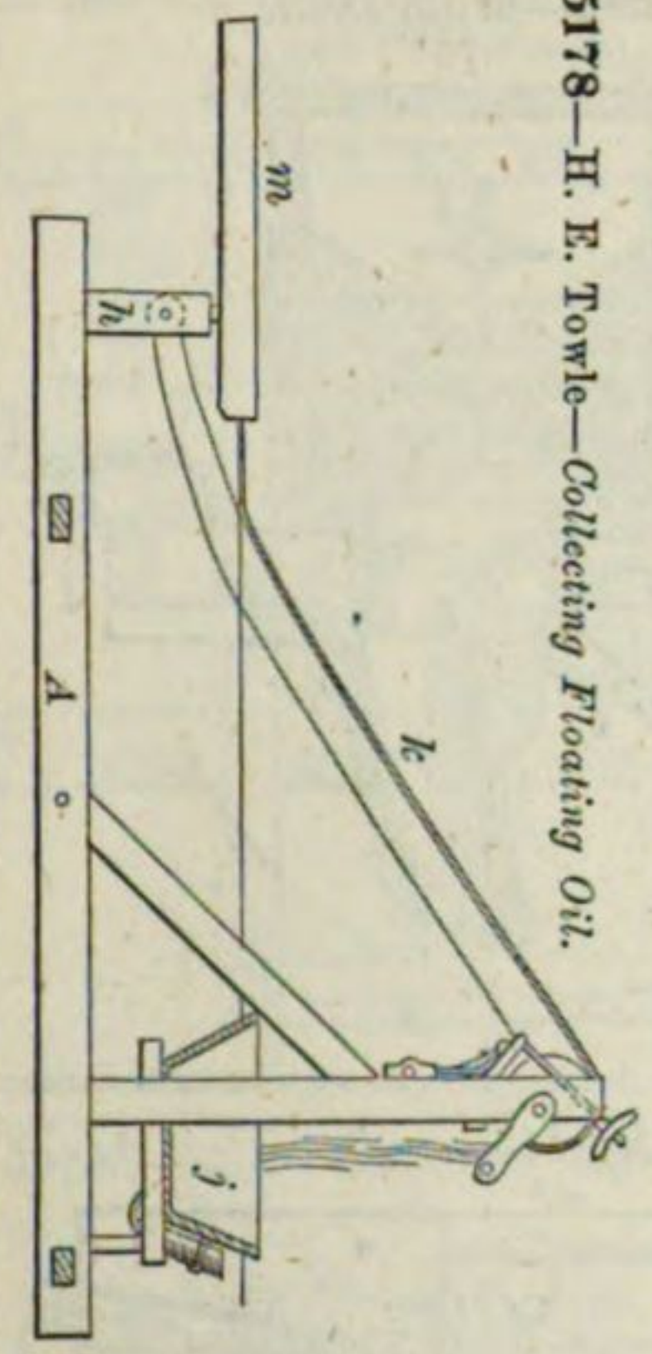
55176—S. Stuart—*Rotary Brush.*



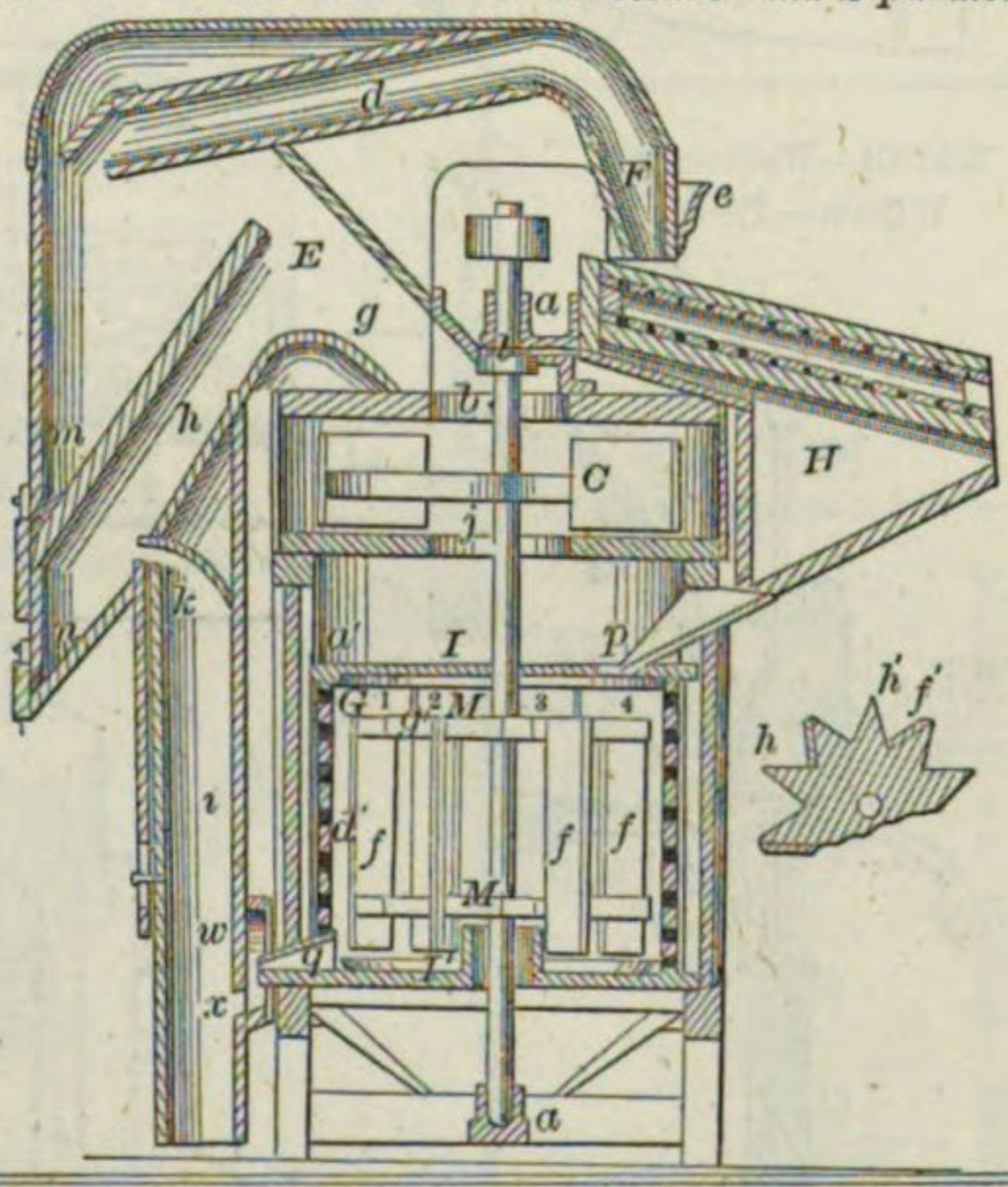
55177—H. Tilden—*Tobacco Cutter and Nut Cracker.*

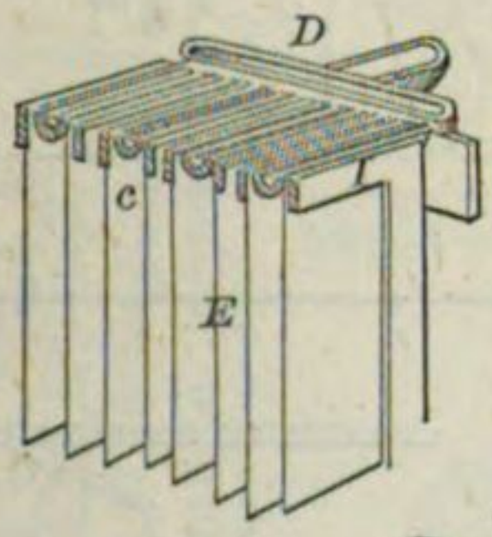


55178—H. E. Towle—*Collecting Floating Oil.*

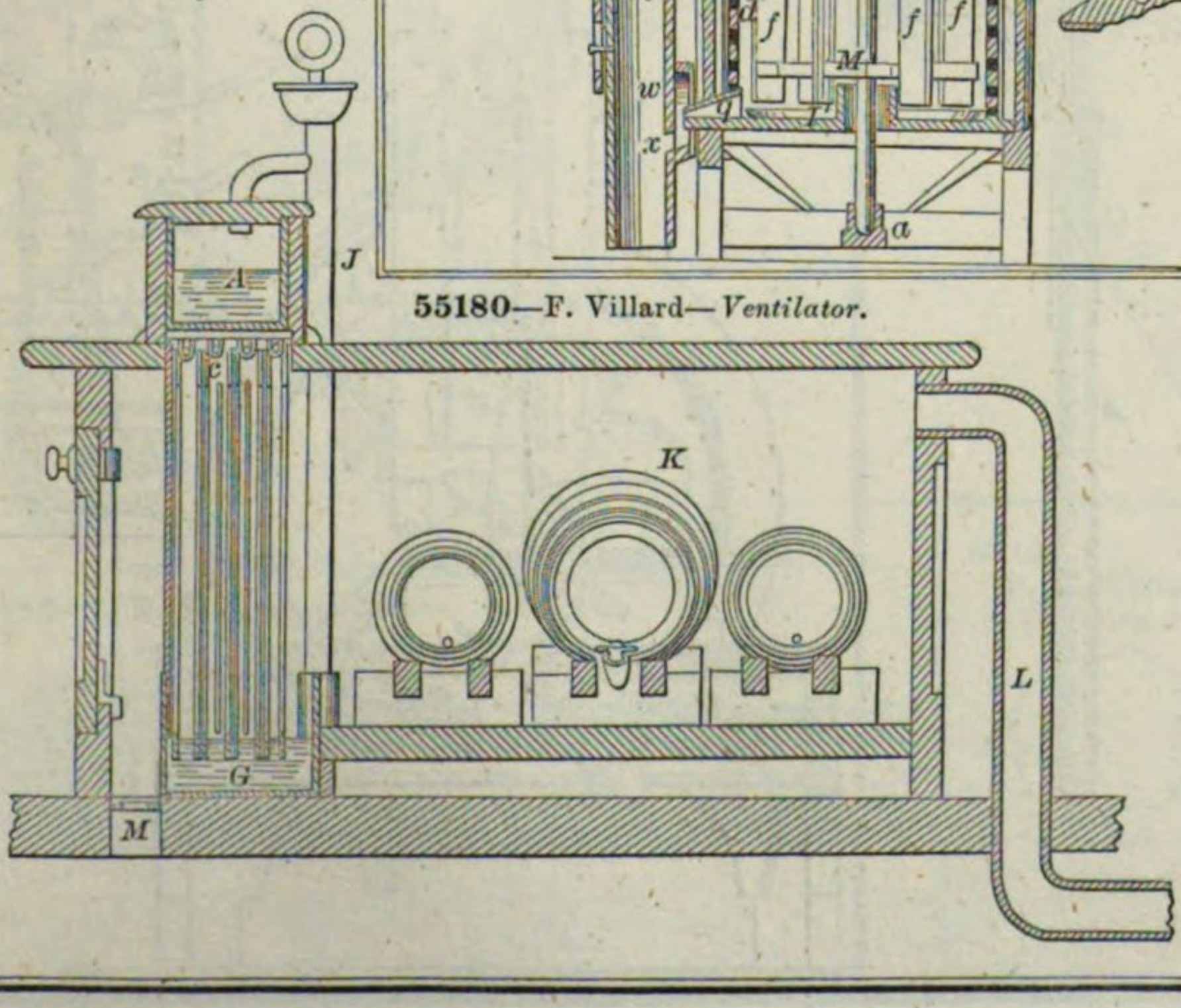


55179—B. T. Trimmer—*Grain Cleaner and Separator.*

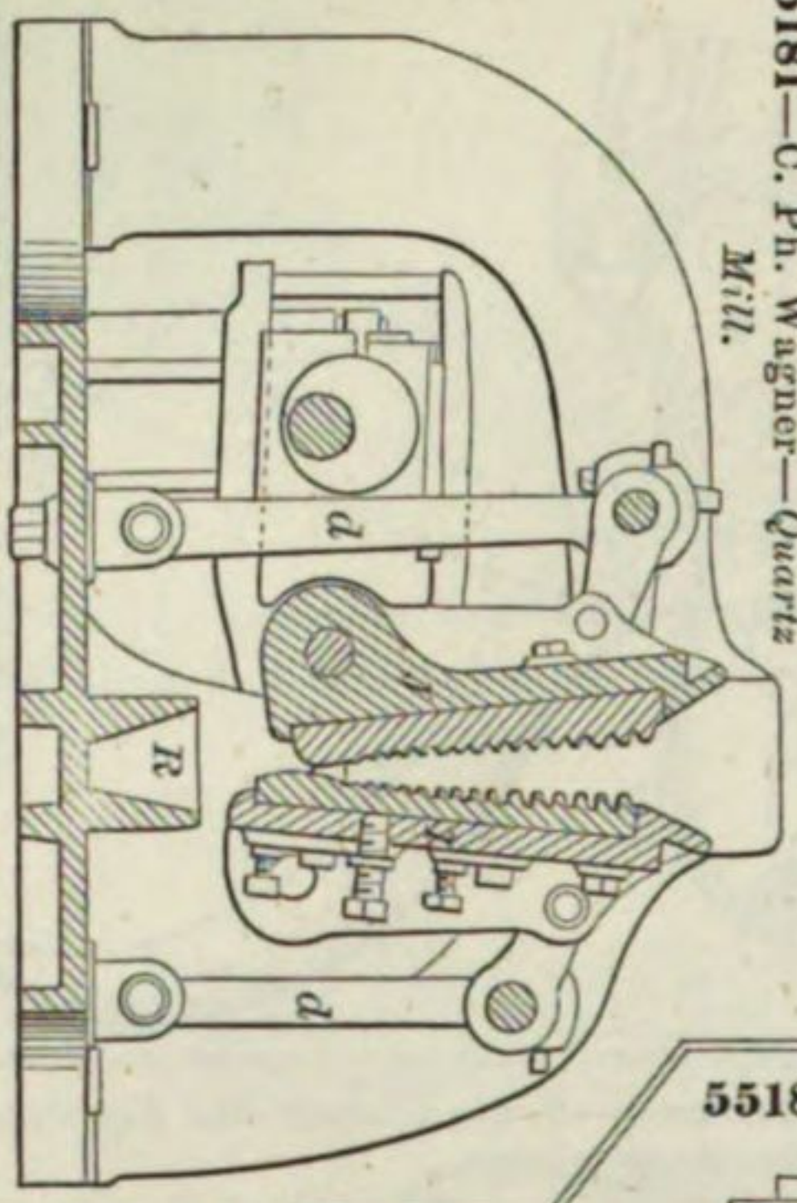




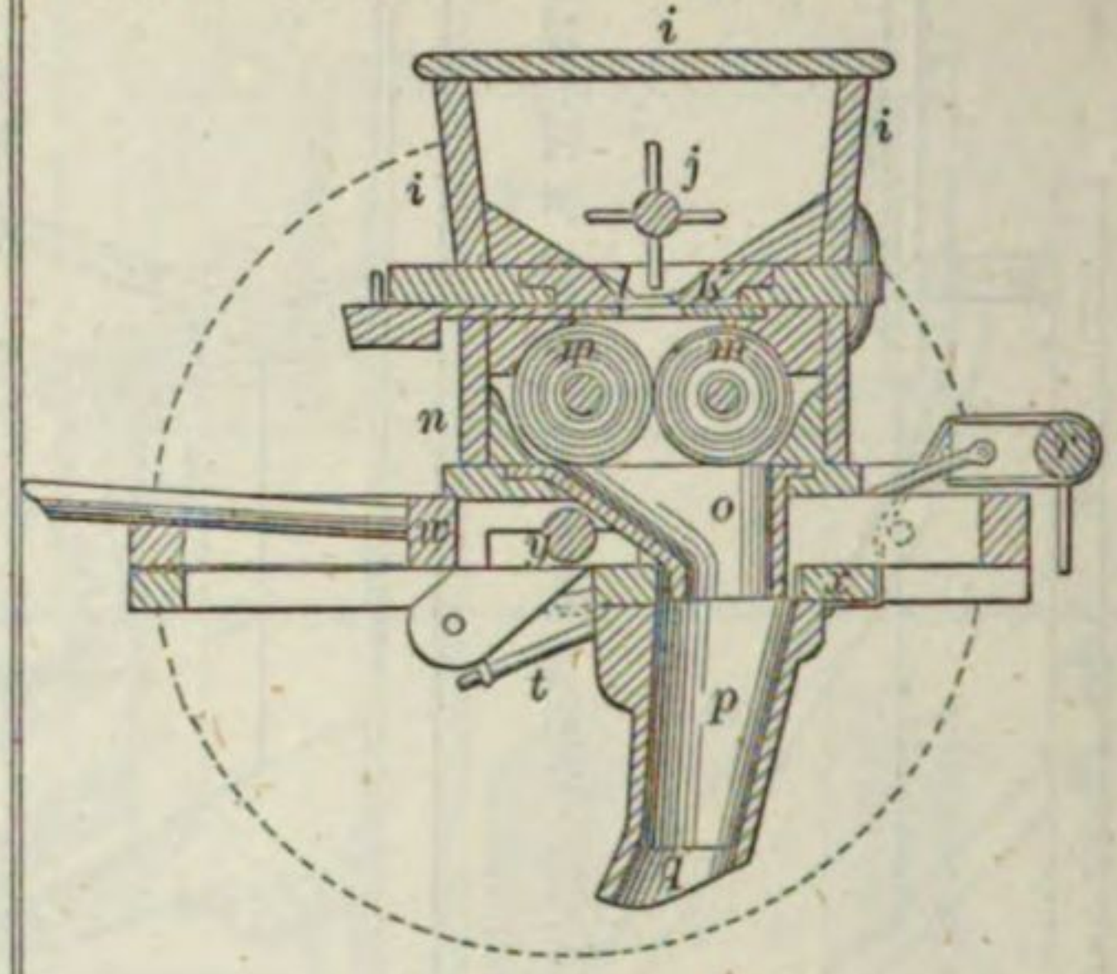
55180—F. Villard—*Ventilator.*



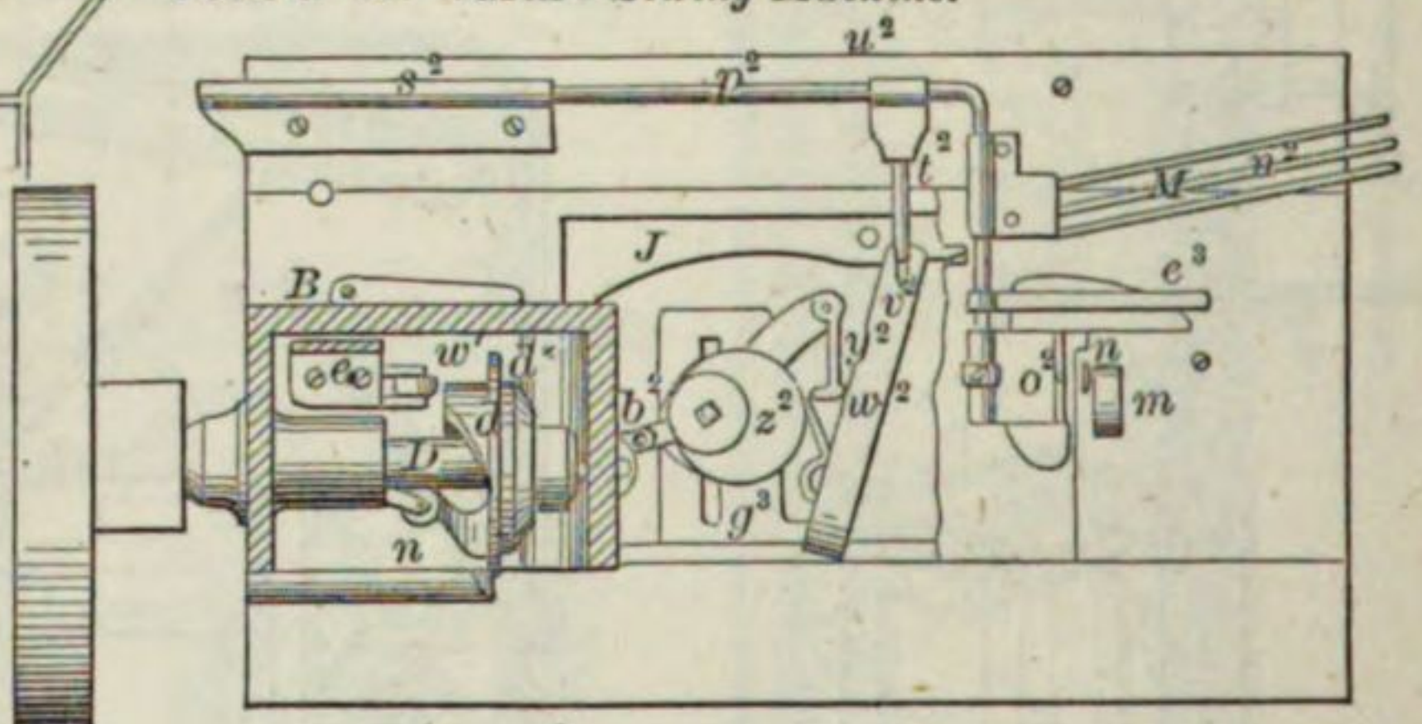
55181—C. Ph. Wagner—*Quartz Mill.*



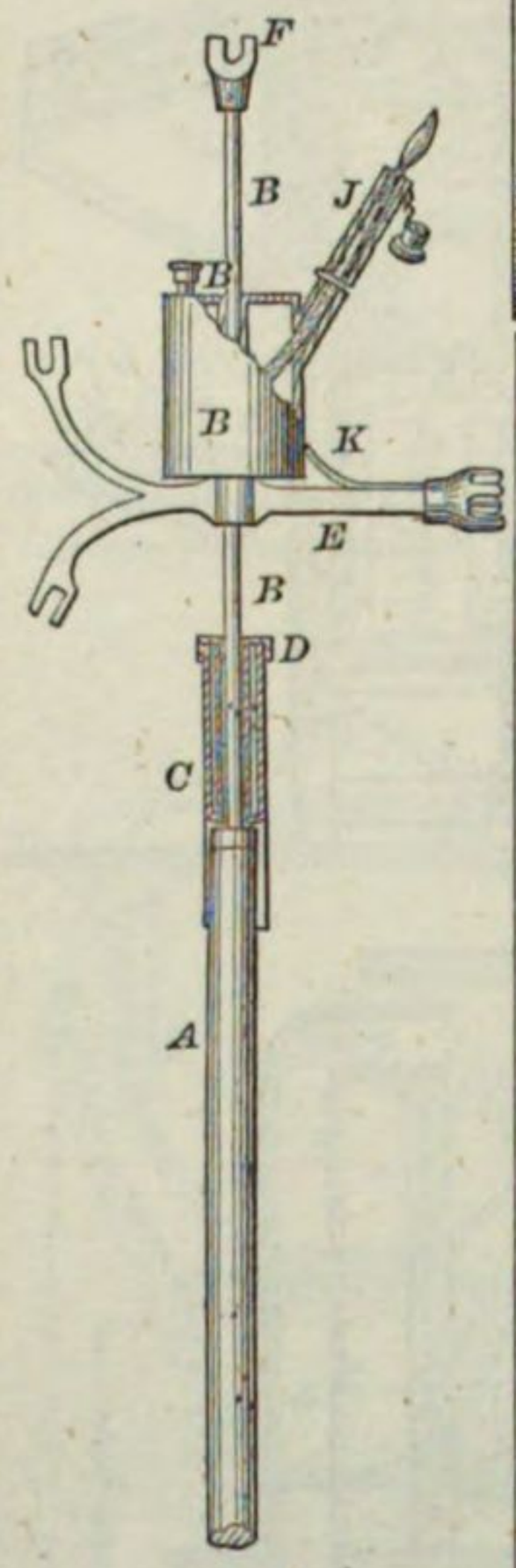
55184—L. N. Warren—*Grain Drill.*

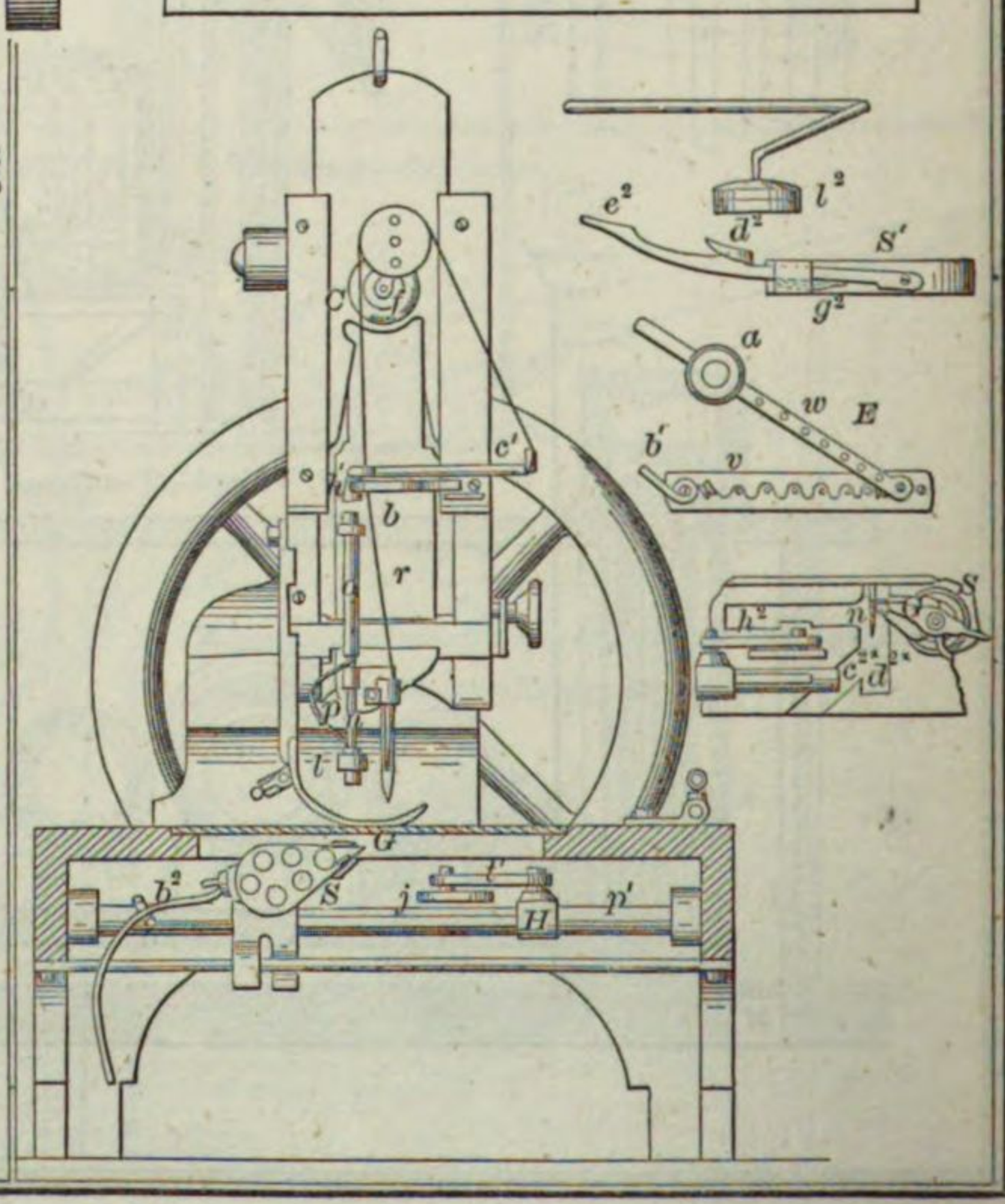


55182—A. Warth—*Sewing Machine.*

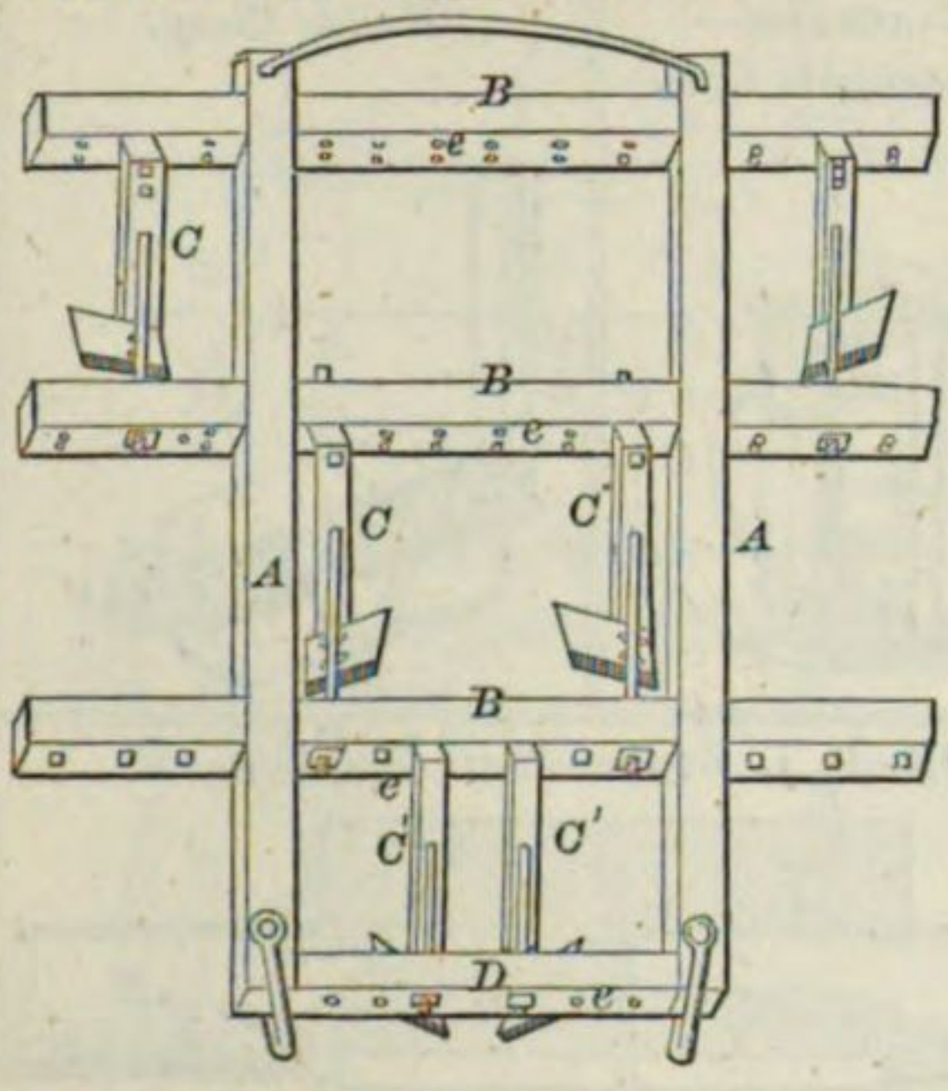


55183—Walters & Wilson—*Torch.*

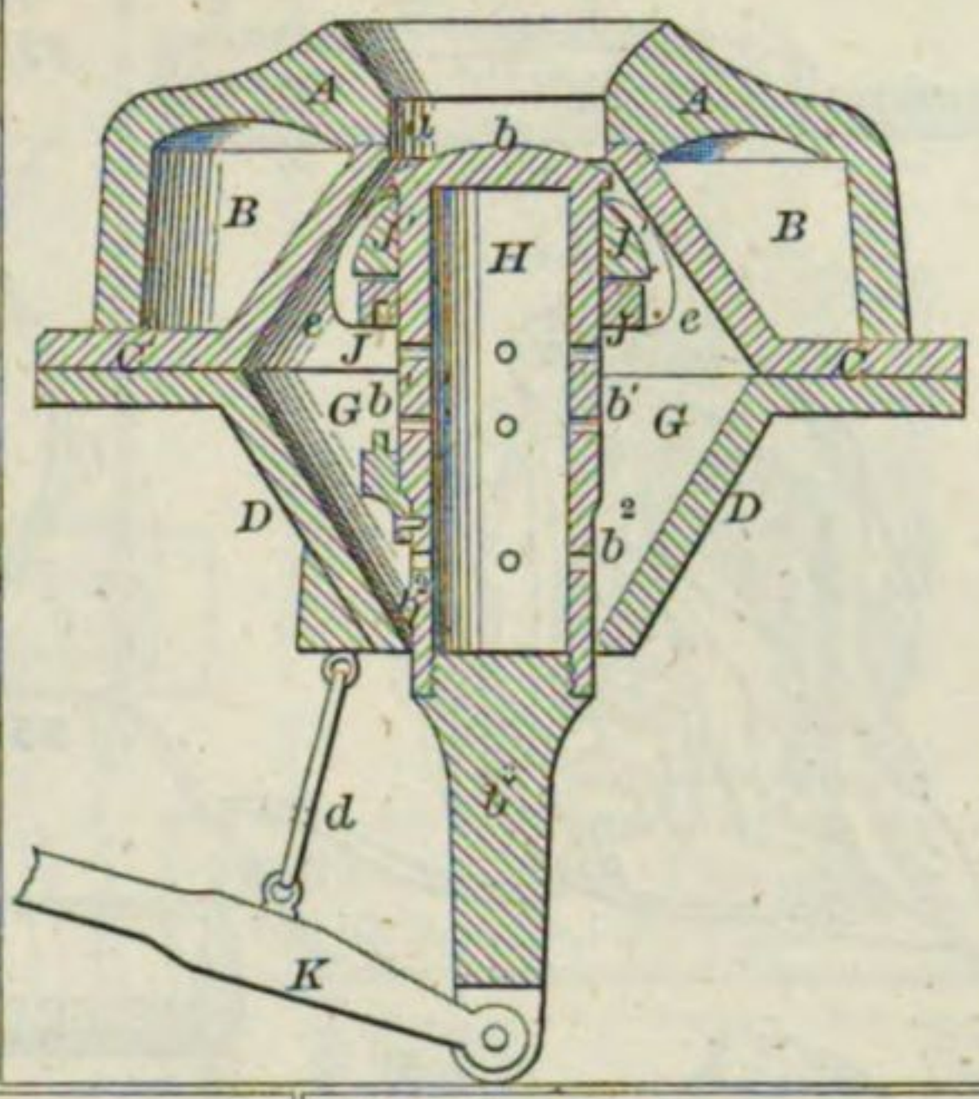




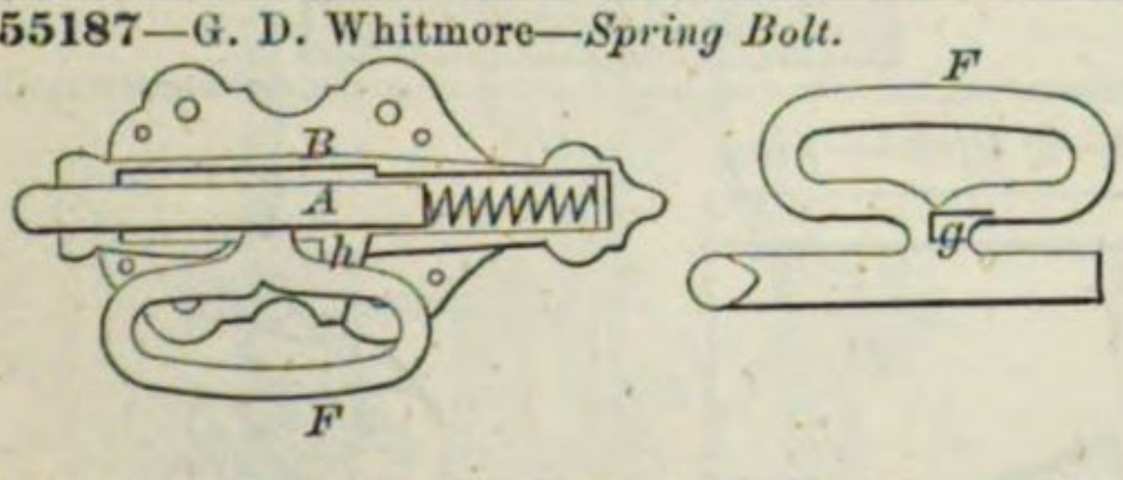
55185—T. U. Webb—*Cultivator.*



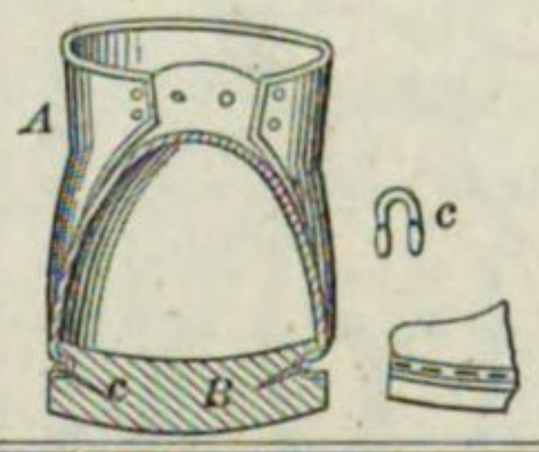
55186—J. Weller—*Tuyere.*



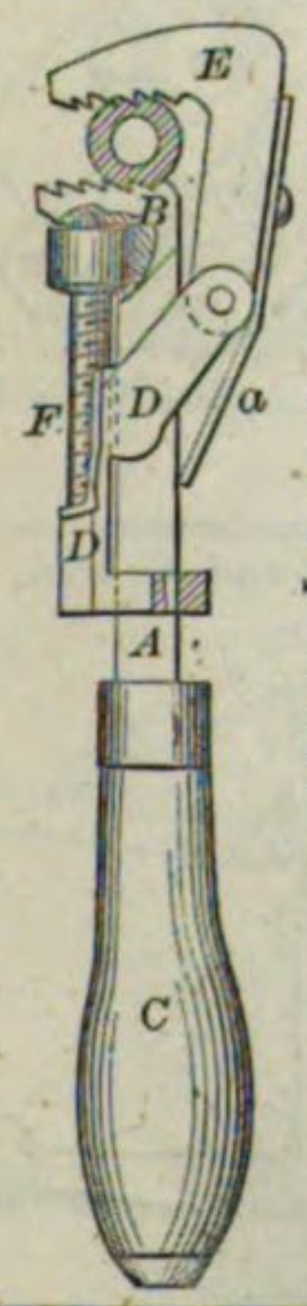
55187—G. D. Whitmore—*Spring Bolt.*



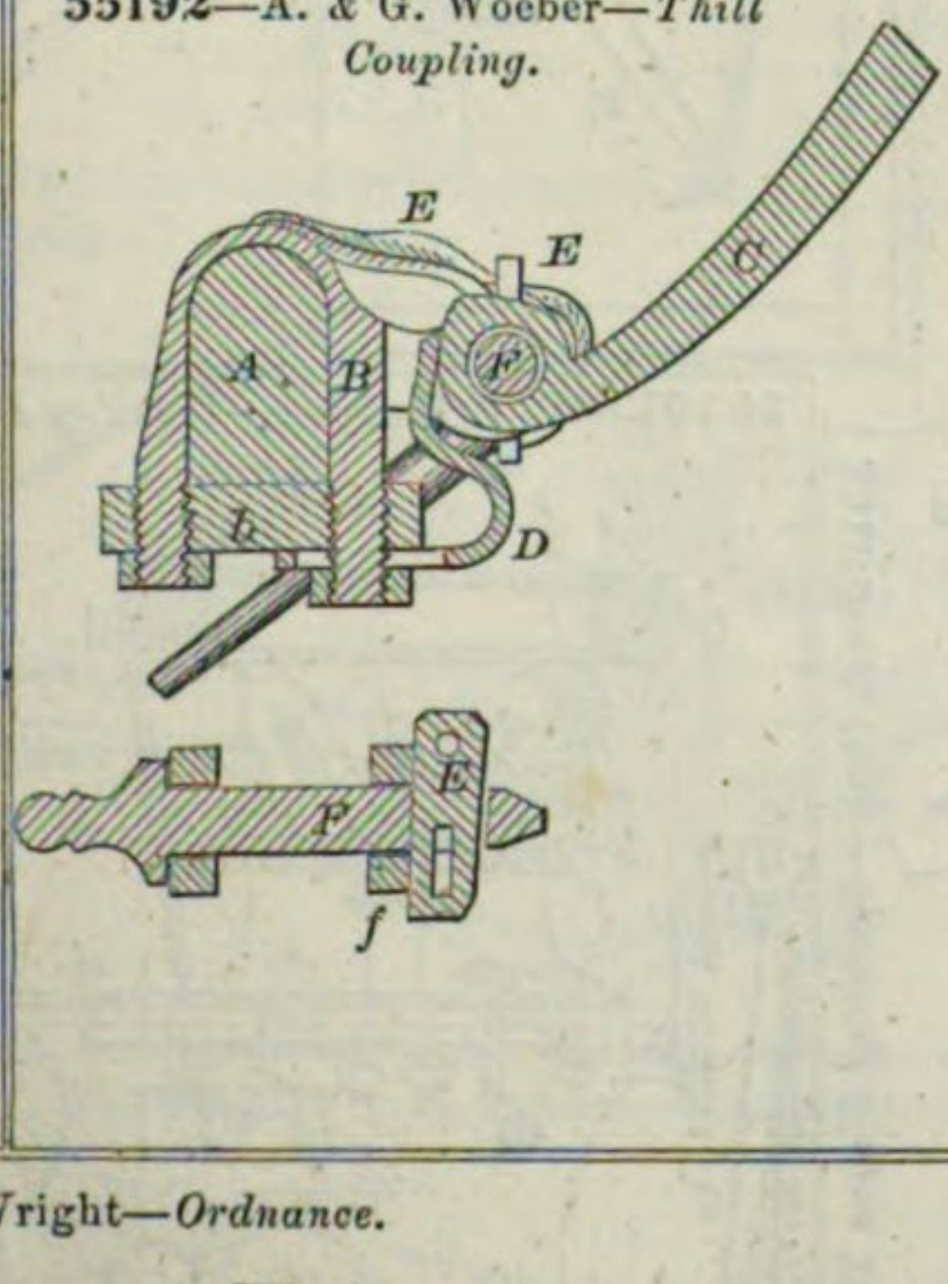
55188—H. Wight—
Boots and Shoes.



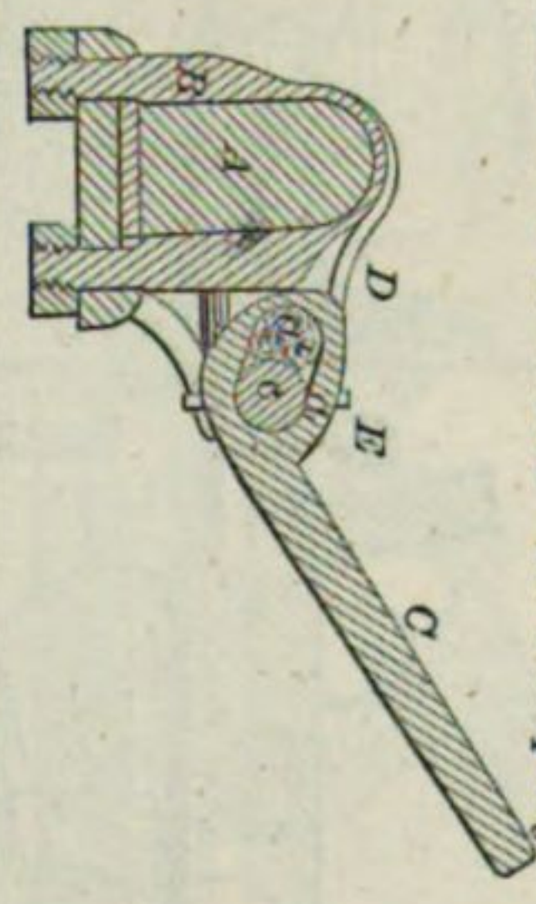
55190—W. W. Wills—*Pipe Wrench.*



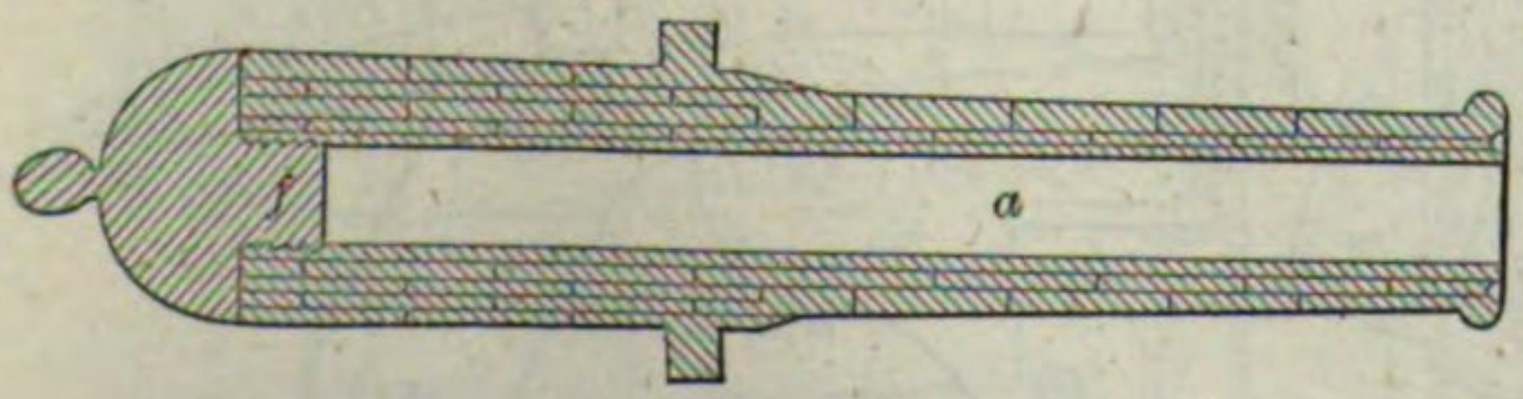
55192—A. & G. Woeber—*Thill Coupling.*



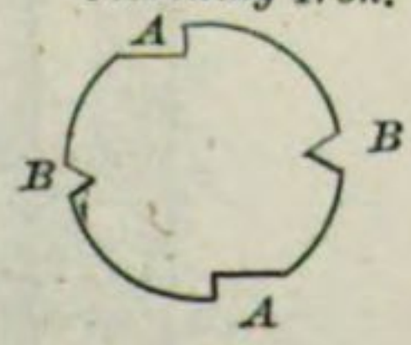
55191—A. & G. Woeber—*Thill Coupling.*



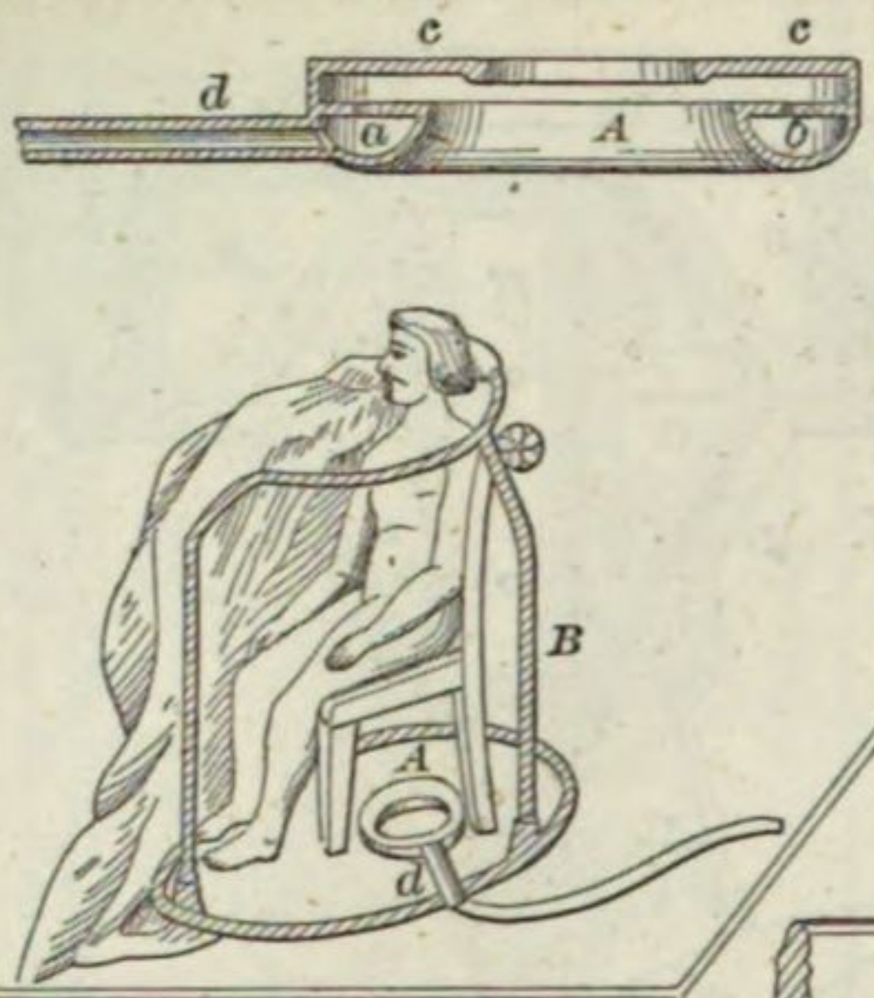
55193—L. W. Wright—*Ordnance.*



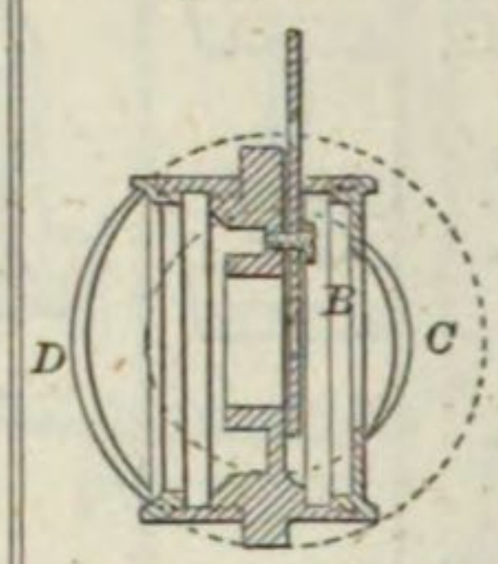
55189
D. H. Williams—
Clinching Iron.



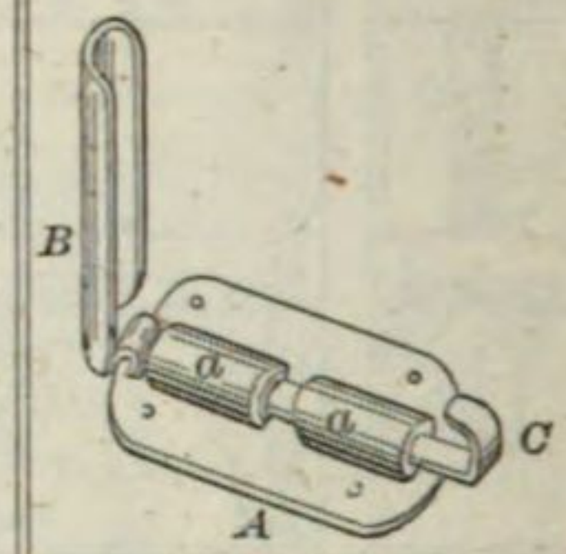
55194—J. Young, M. D.—*Steam Bath.*



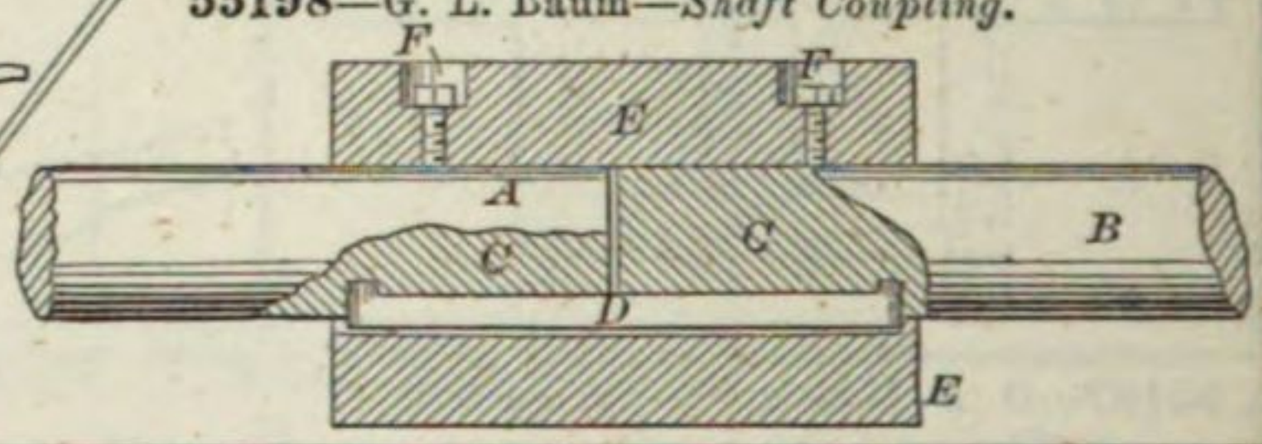
55195—
J. Zentmayer—
Photographic Lens.



55197—F. D. Ballou—
Buckle Clasp.

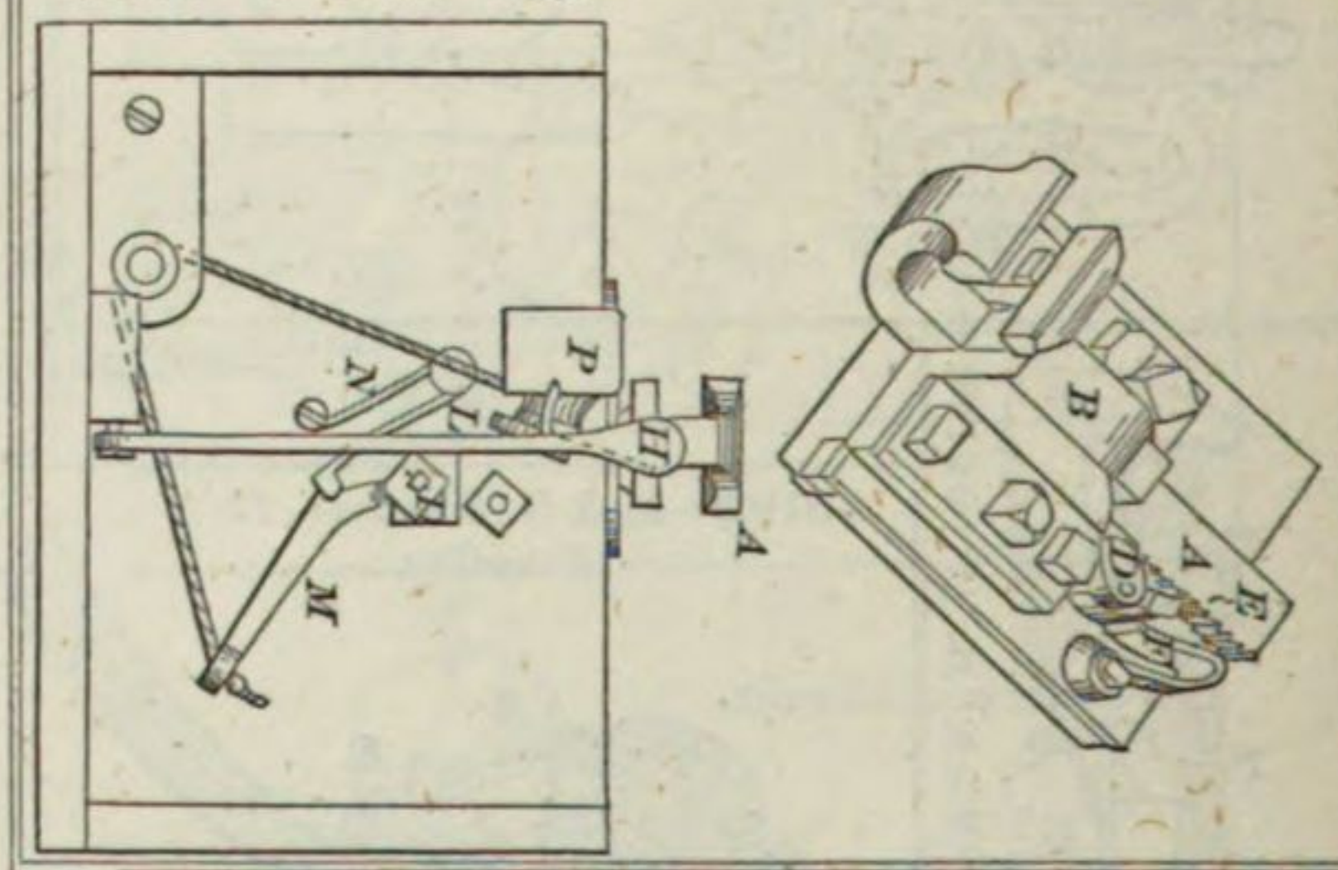


55198—G. L. Baum—*Shaft Coupling.*

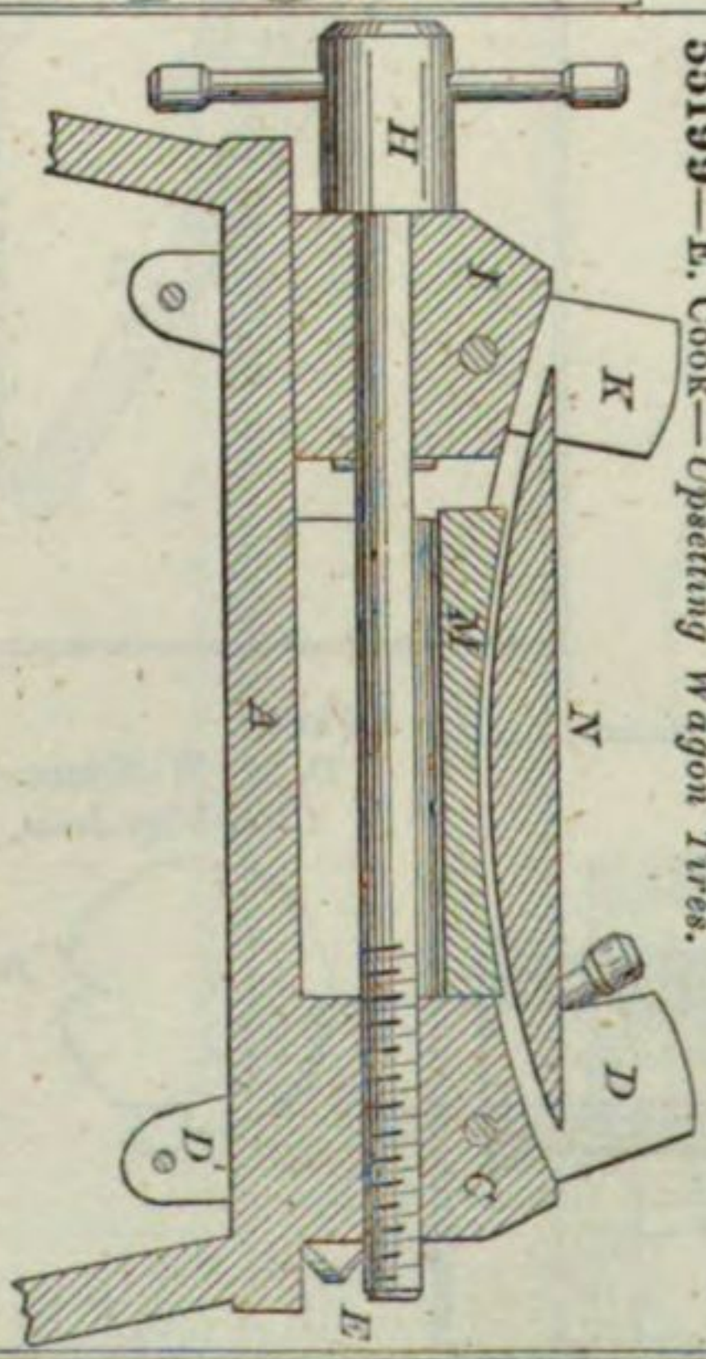


55196—W. Bacheller—*Skirt Supporter.*

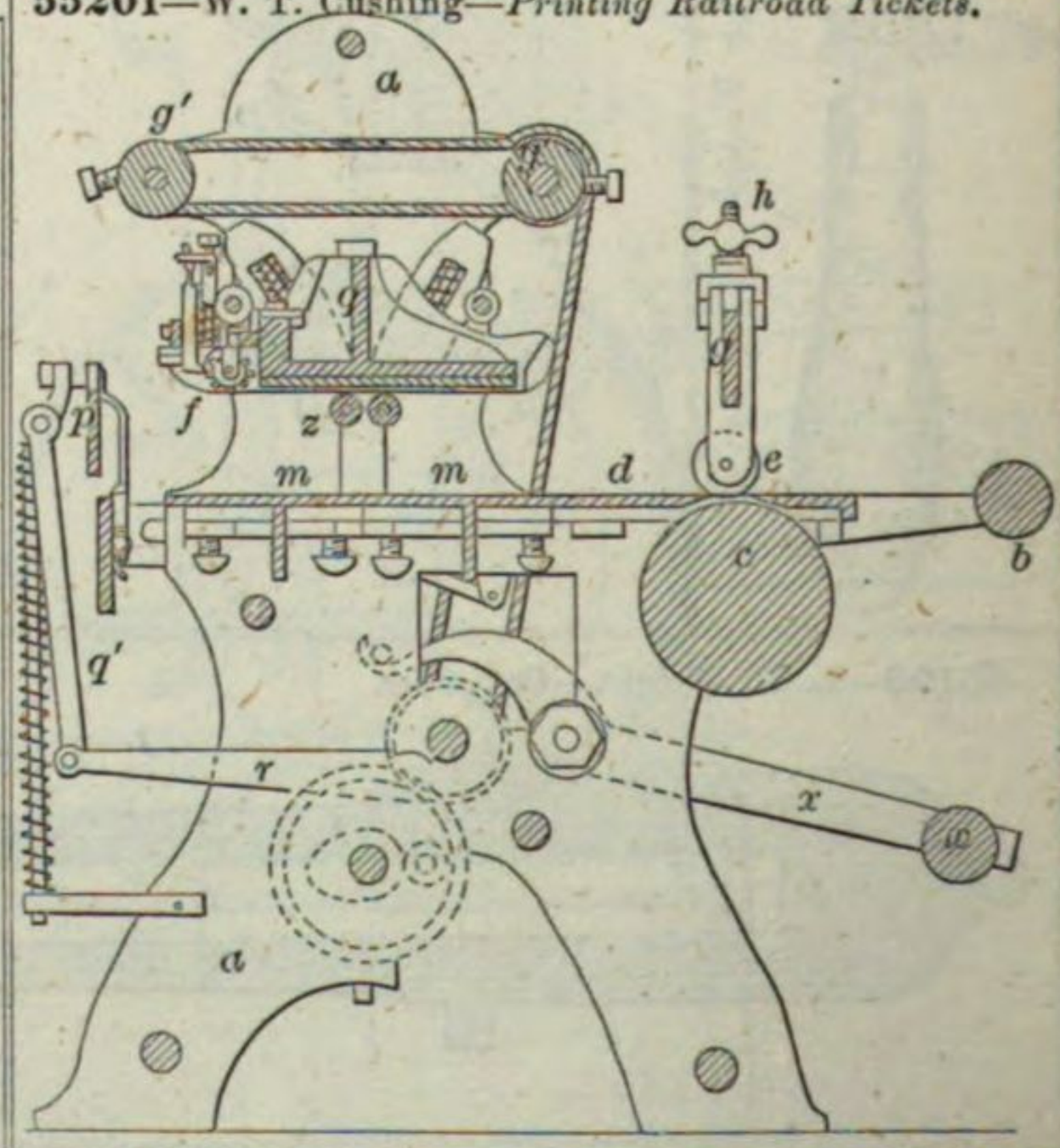
55200—P Crowl—*Vise.*



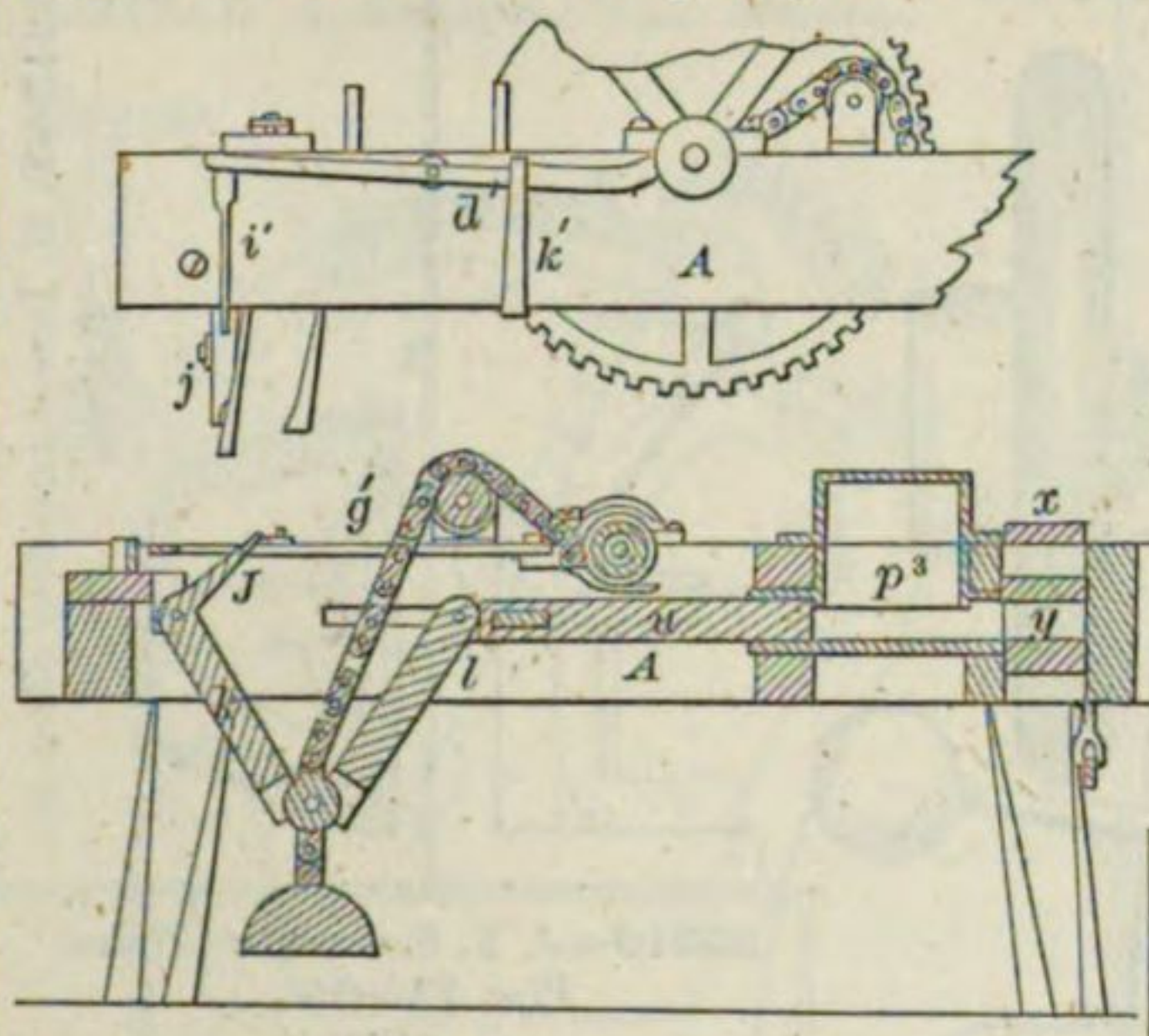
55199—E. Cook—*Upsetting Wagon Tires.*

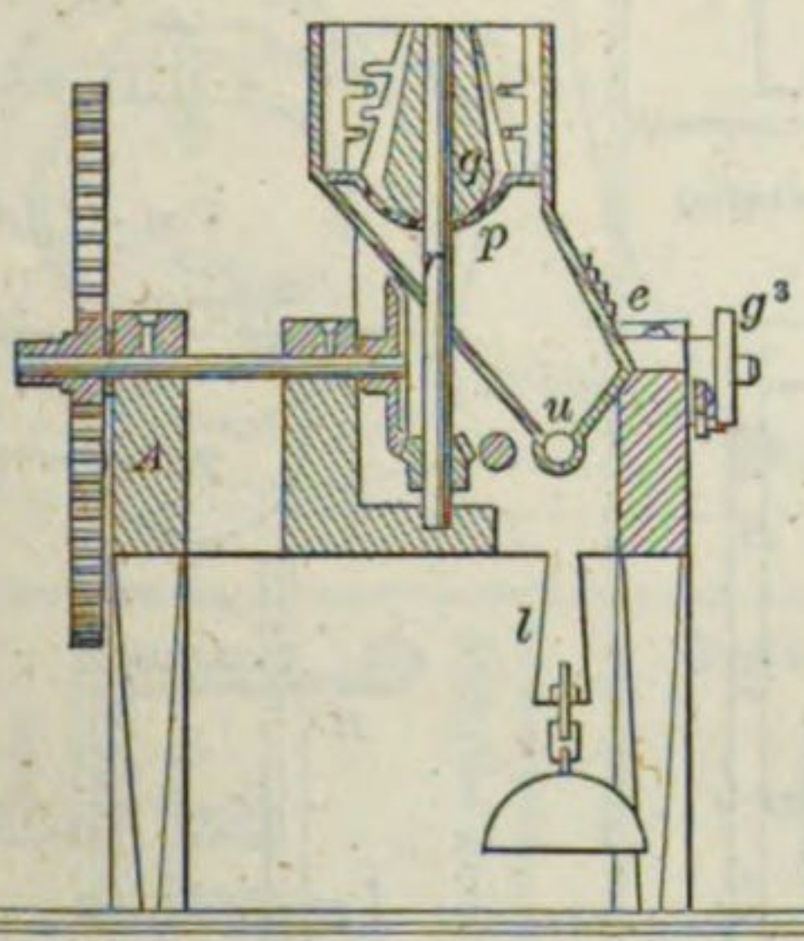


55201—W. T. Cushing—*Printing Railroad Tickets.*

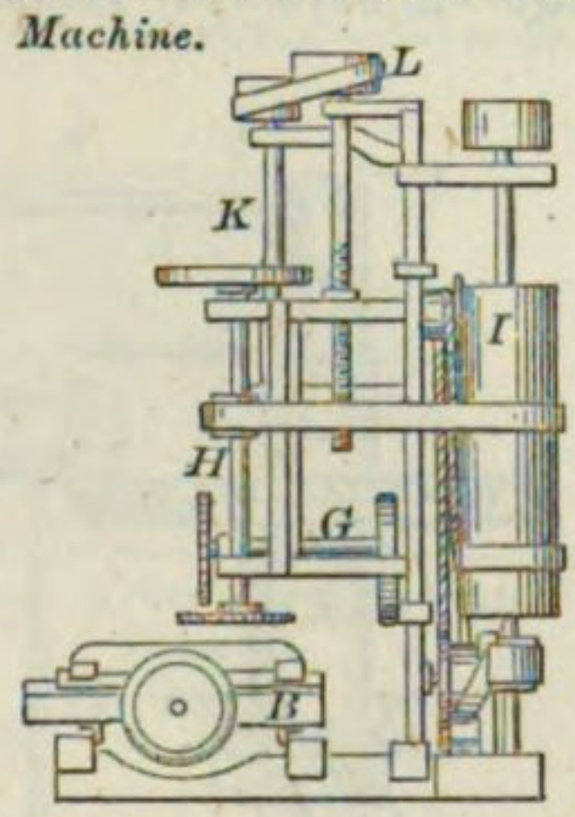


55205—S. Marden—*For Preparing Peat.*

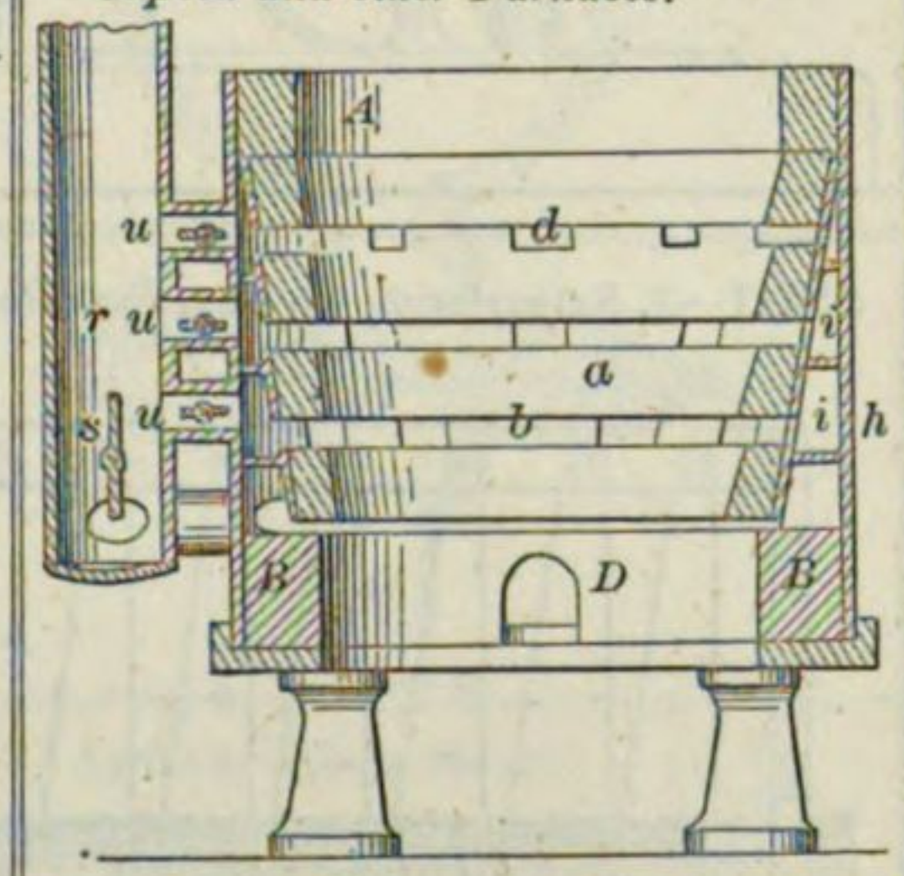




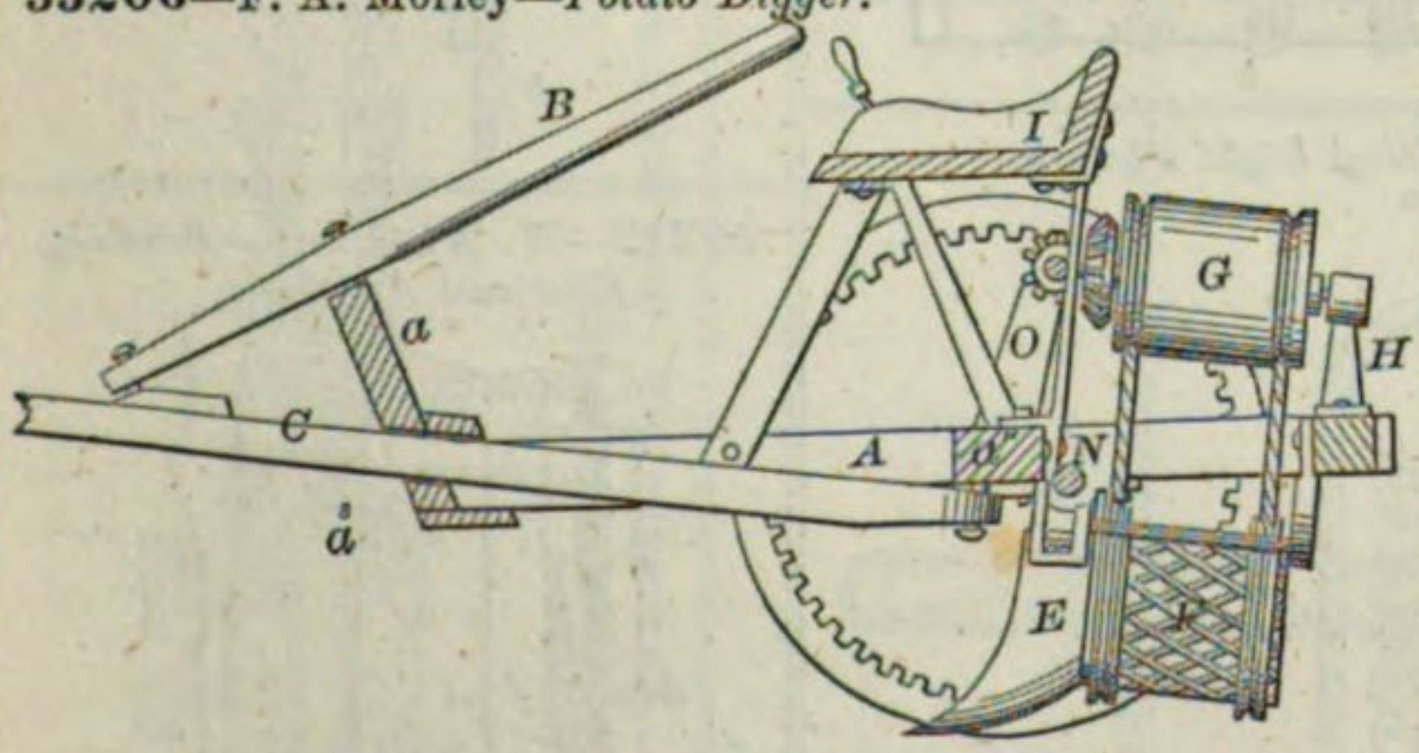
55202—B. W. Durkee—*Sawing Machine.*



55204—Mackenzie & Isbell—*Cupola and other Furnaces.*

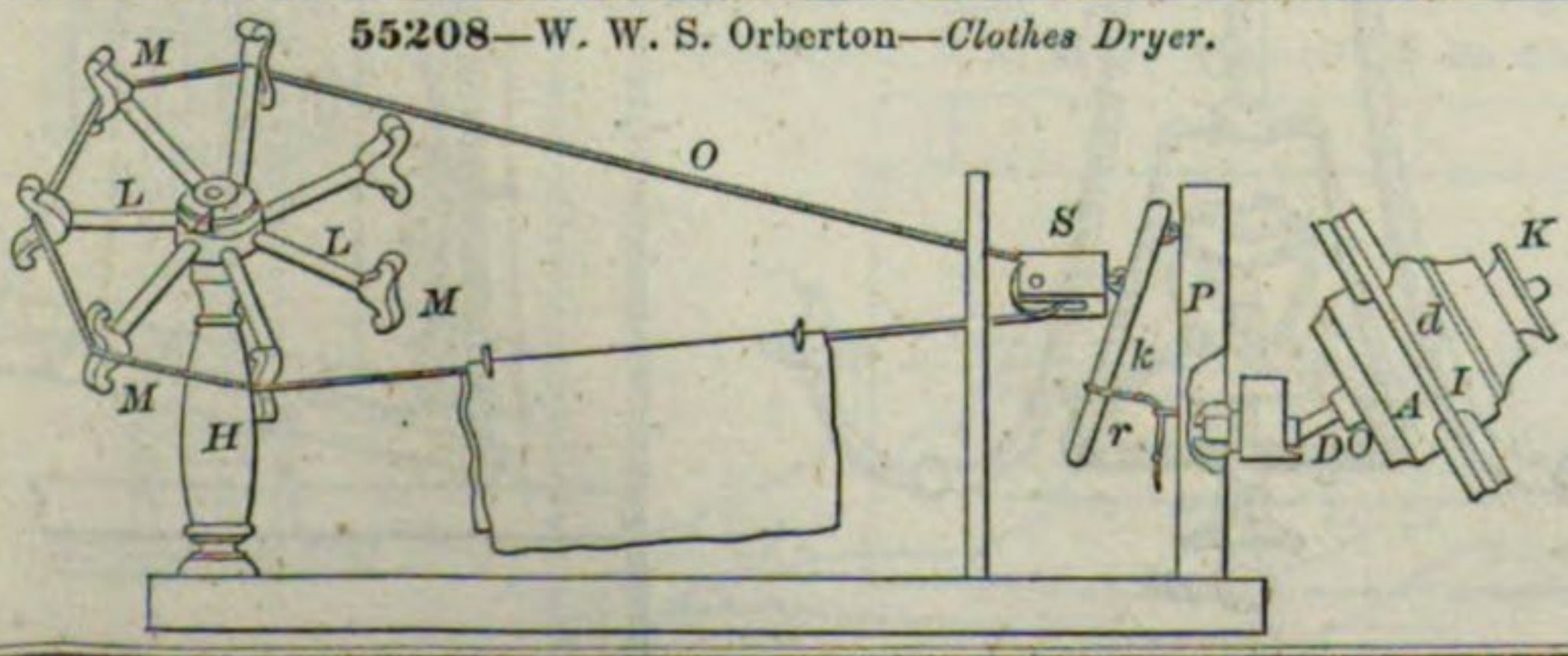


55206—F. A. Morley—*Potato Digger.*

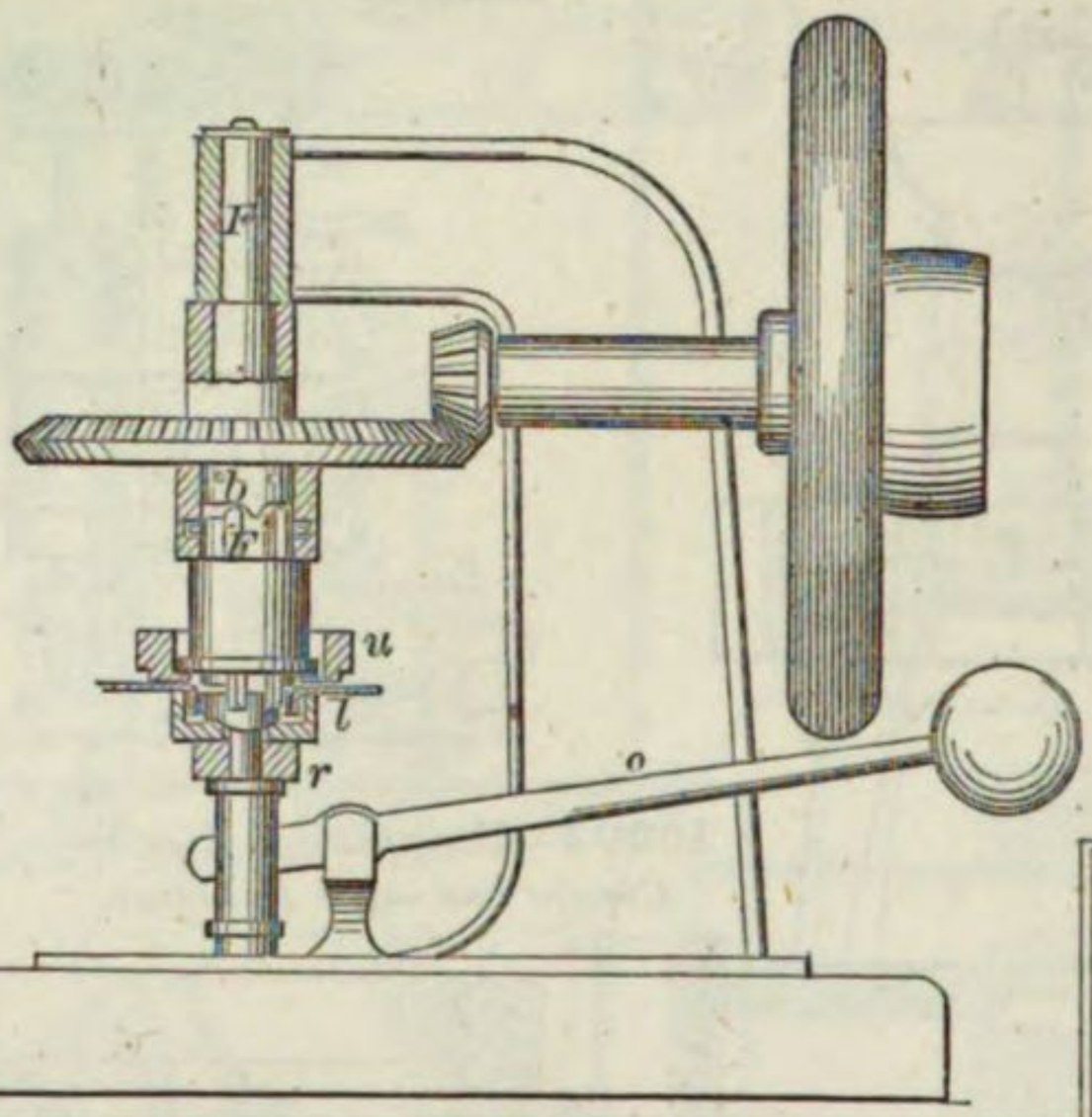


55207—G. Müleer—*Carpenter's Plane.*

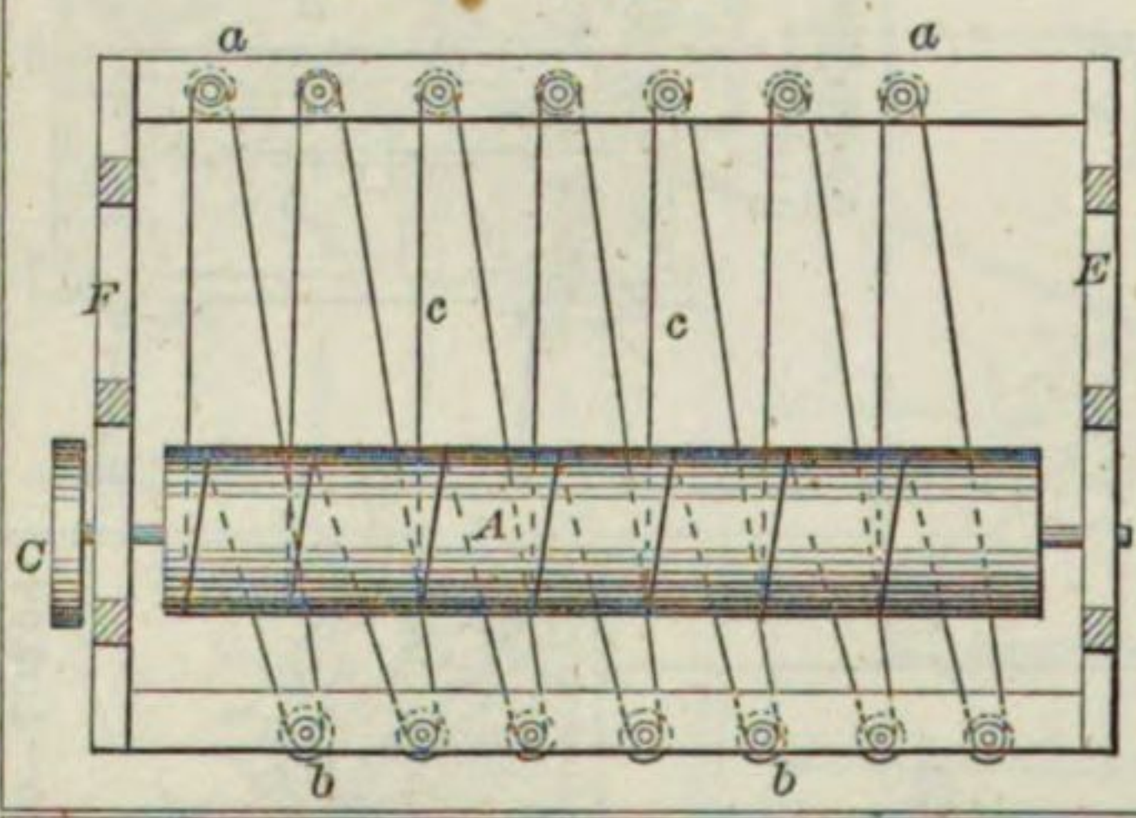
55208—W. W. S. Orberton—*Clothes Dryer.*



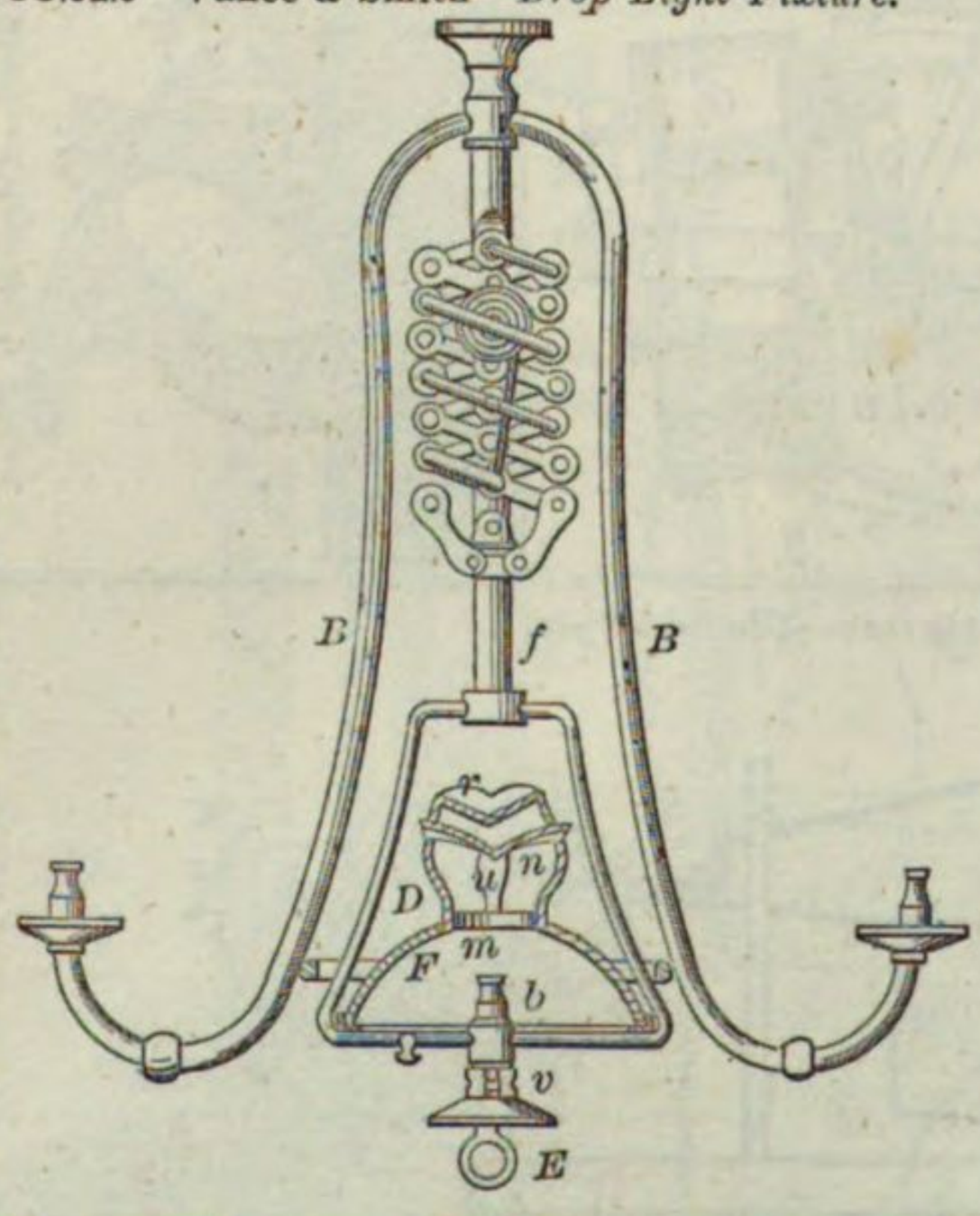
55209—E. Paye—*For Turning Boiler Flanges.*



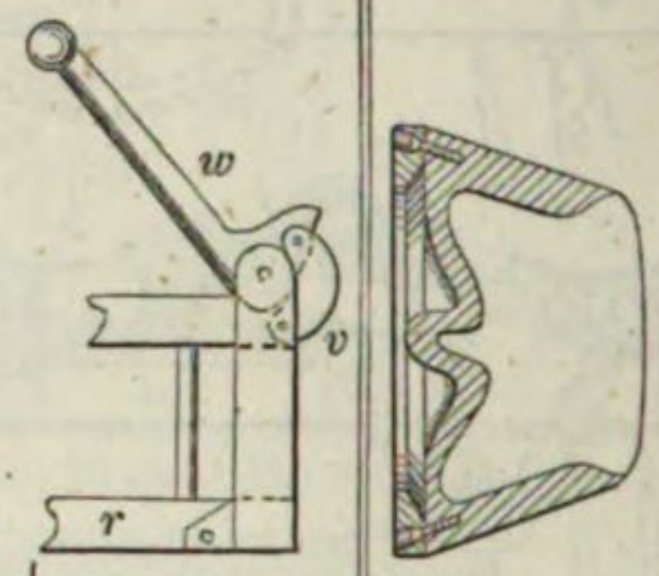
55211—J. Sutherland—*Driving Spindles in Spinning Frames.*



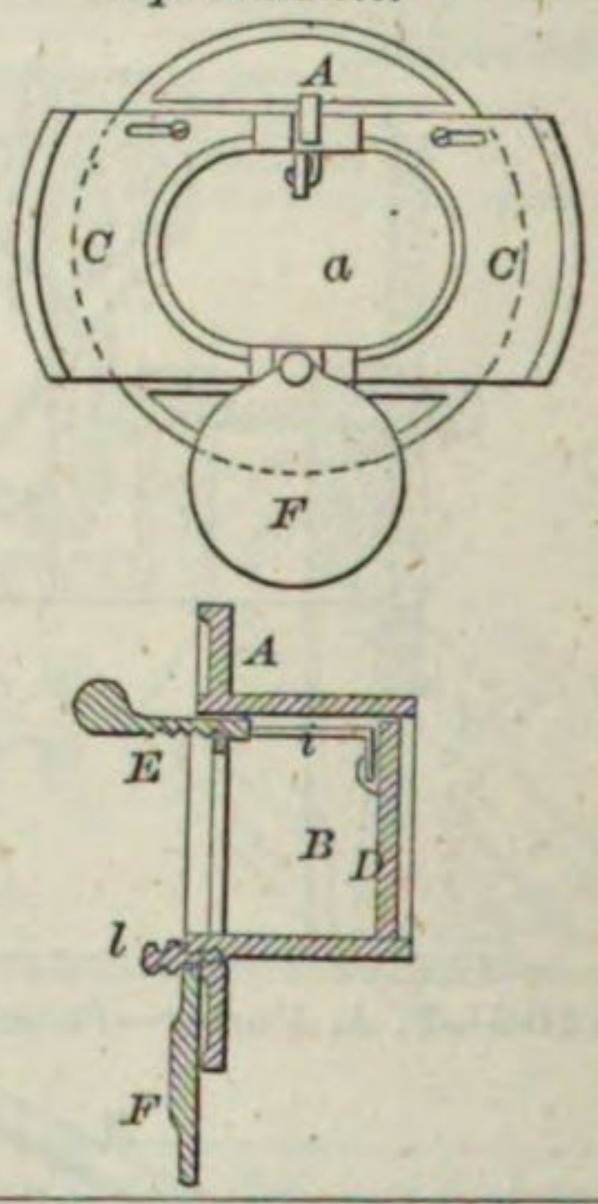
55212—Vance & Smith—*Drop Light Fixture.*



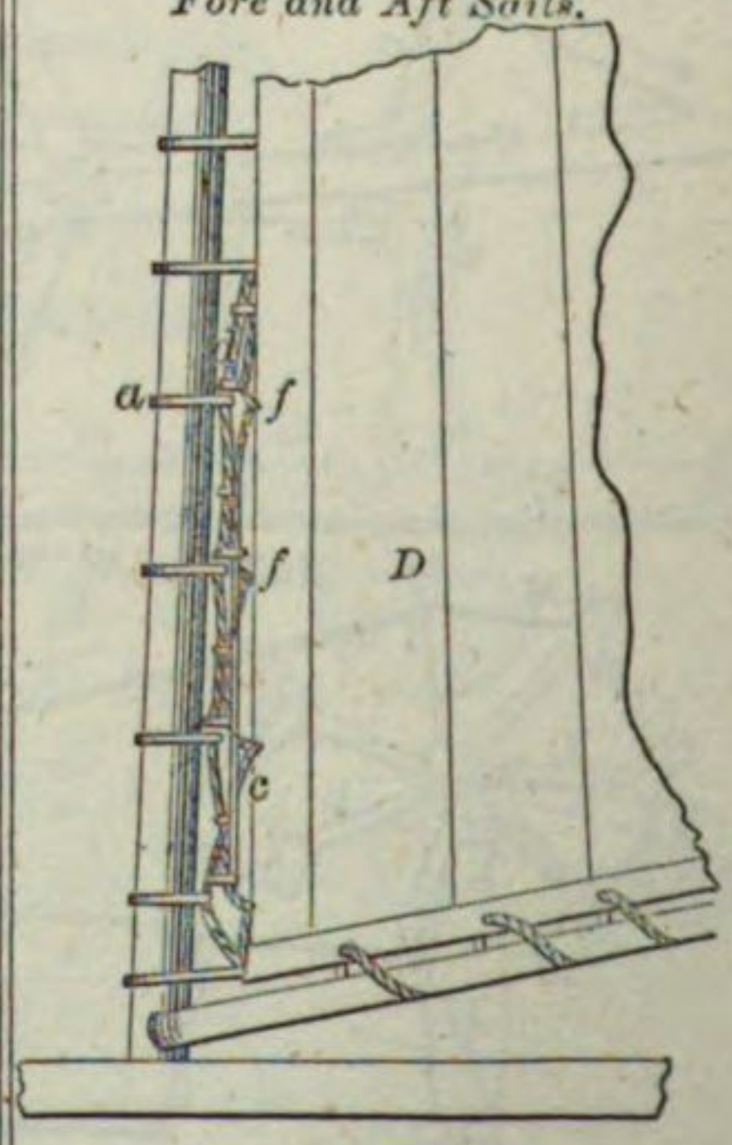
55215—T. H. Ince—*Attaching Shoes to Horses.*



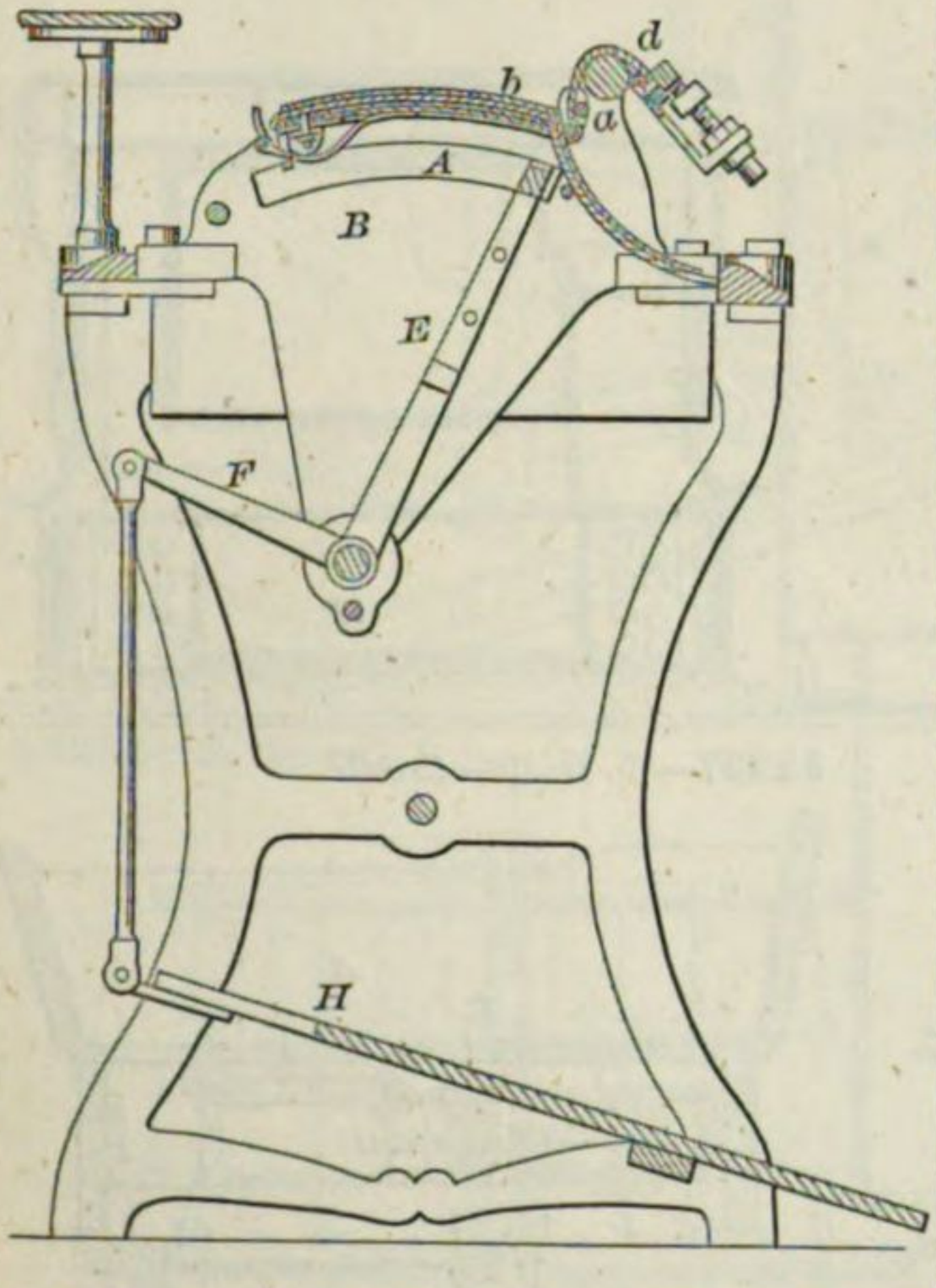
55210—J. F. Severance—*Stove Pipe Thimble.*



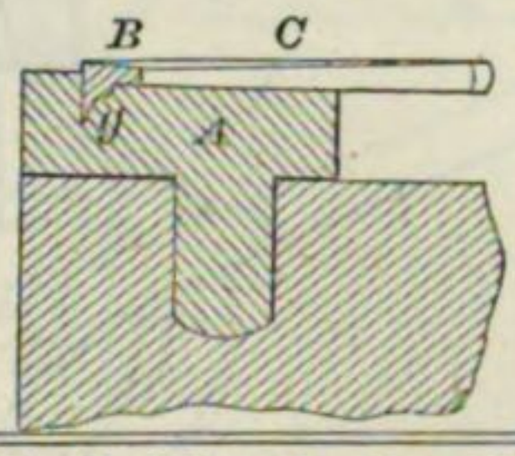
55213—W. Woodbury—*Bending Fore and Aft Sails.*



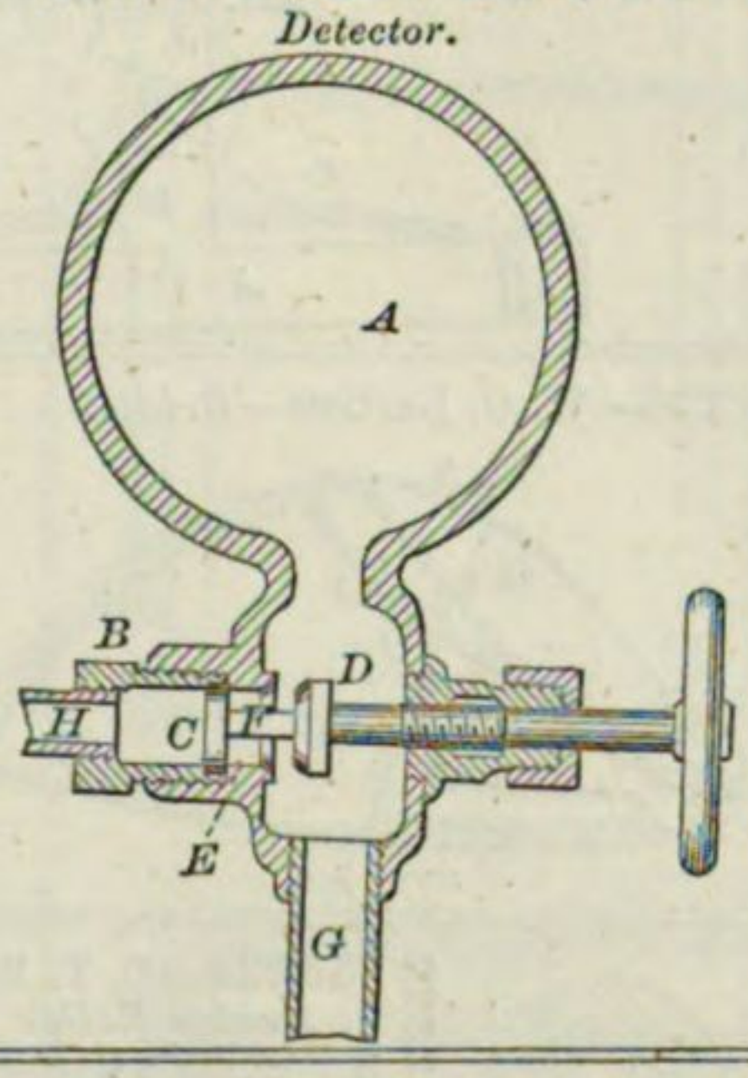
55217—G A. Reiniger—*Cigar Machine.*



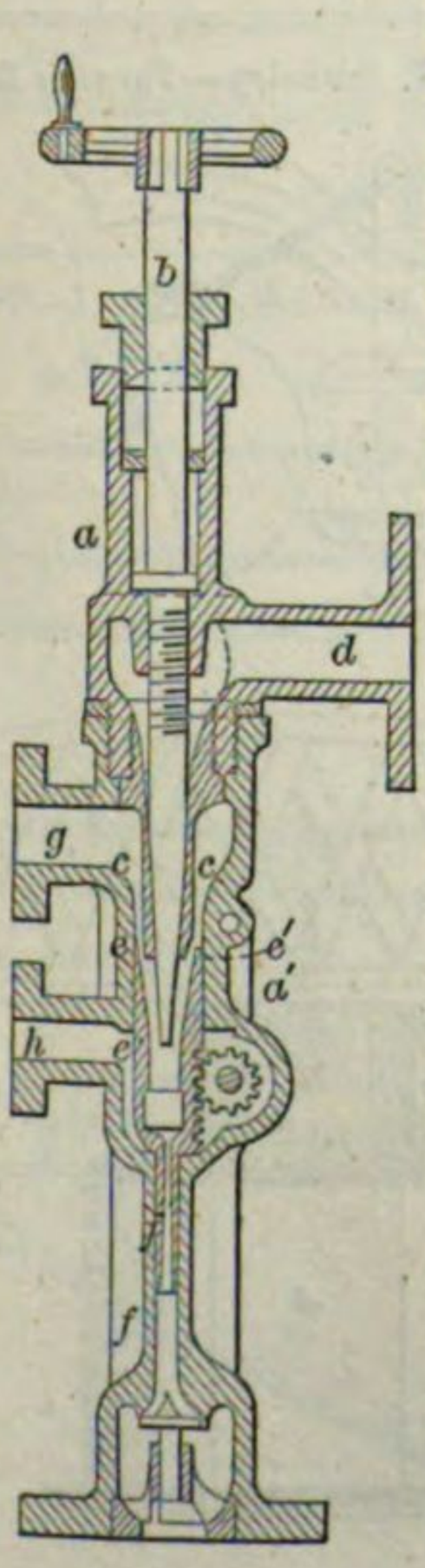
55220—H. Armstrong—*Horse Shoe.*



55221—J. Ashcroft—*Low Water Detector.*

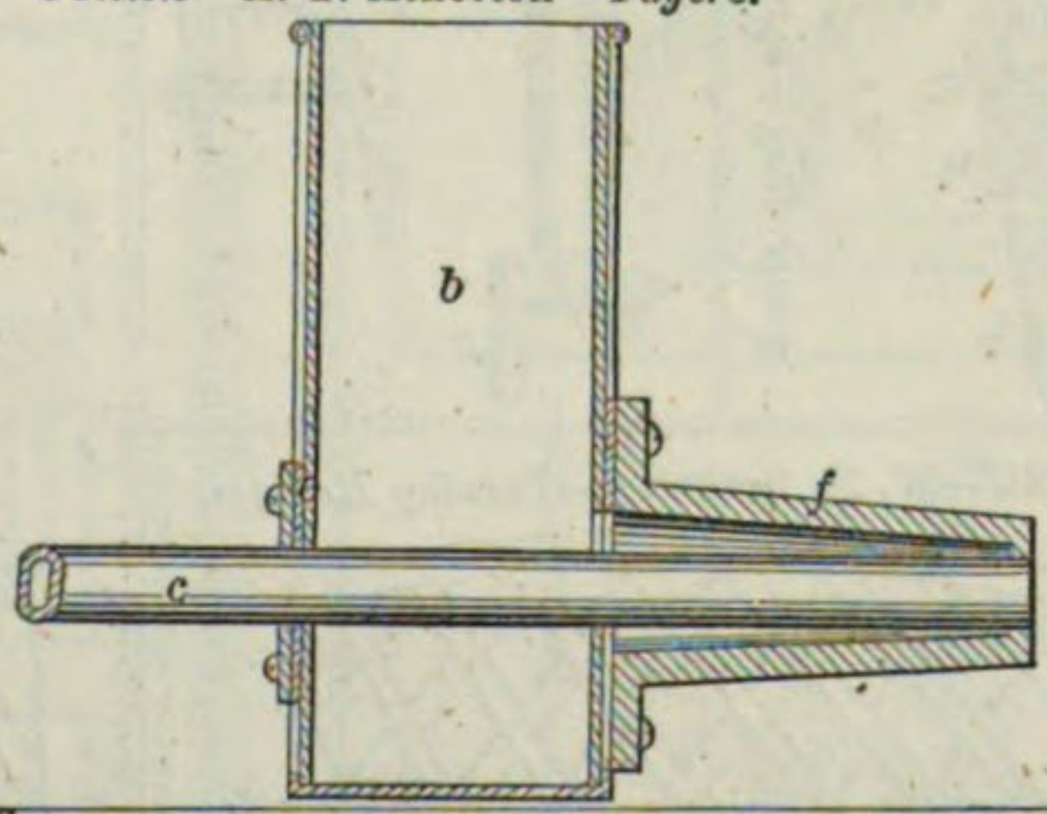


55218—Robinson & Gresham—*Water Injector.*

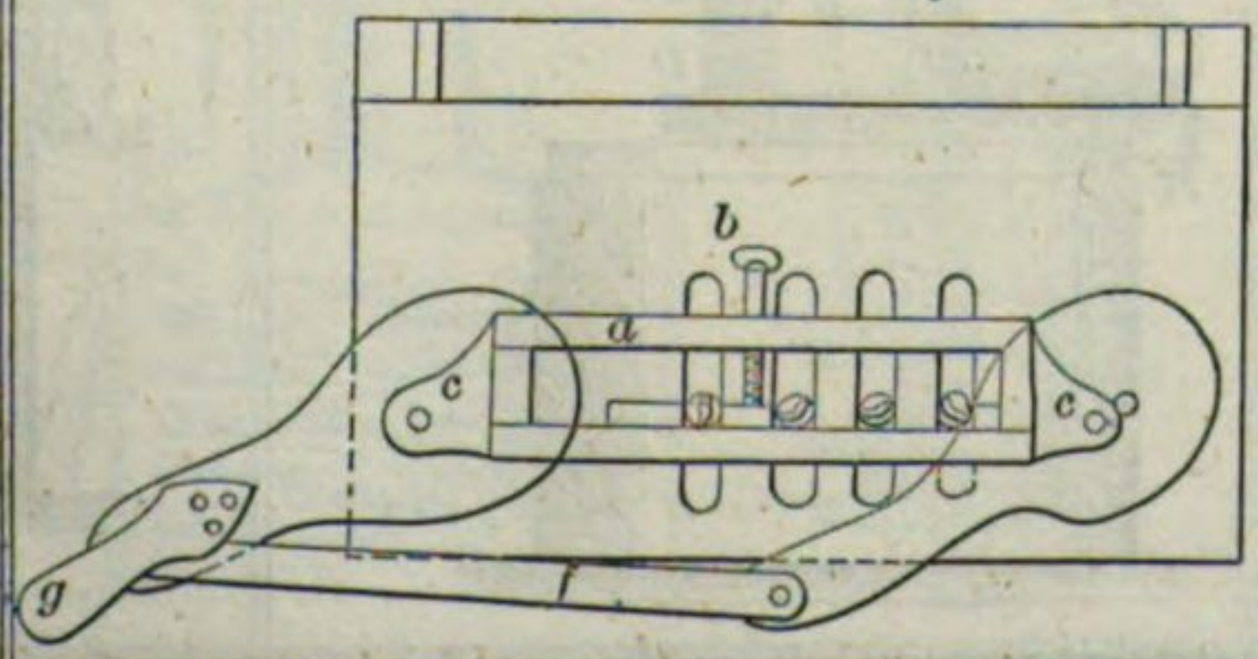


55219—E. A. Andrews—*Snap Hook.*

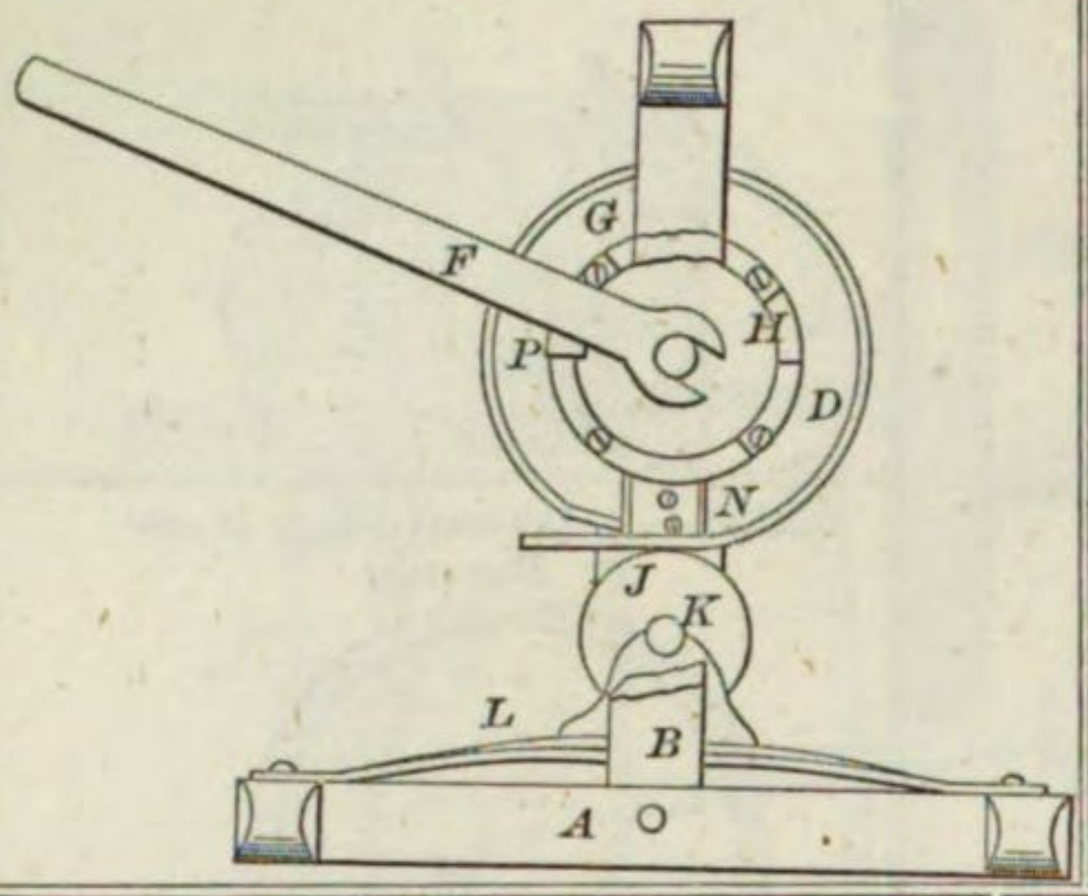
55222—A. T. Atherton—*Tuyere.*



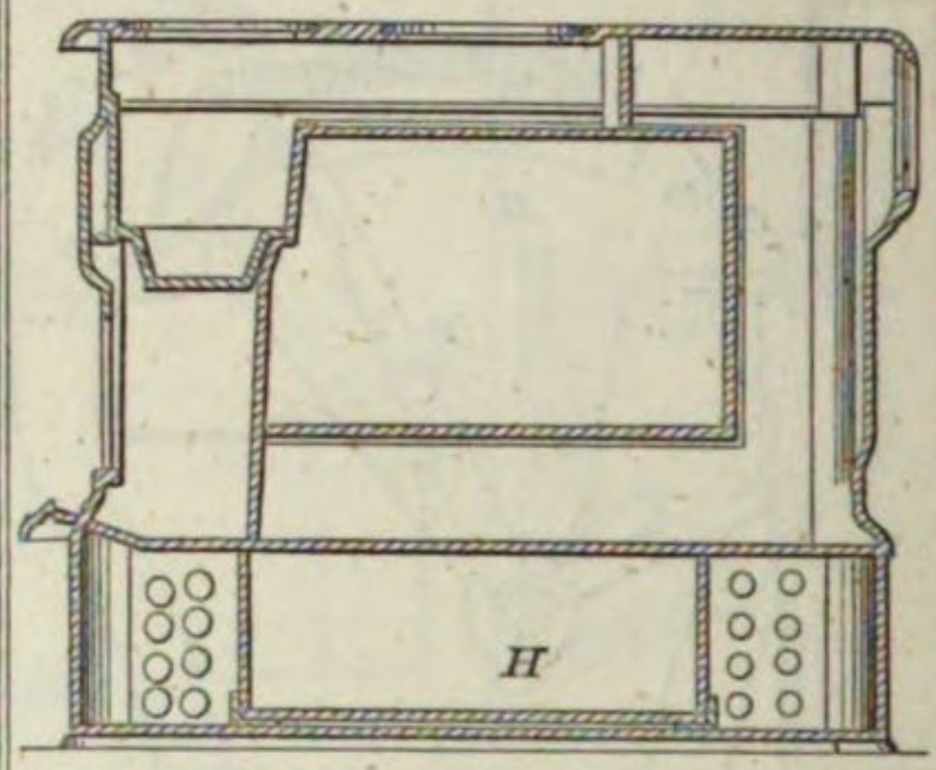
55223—J. S. L. Babbs—*Dovetailing Machine.*



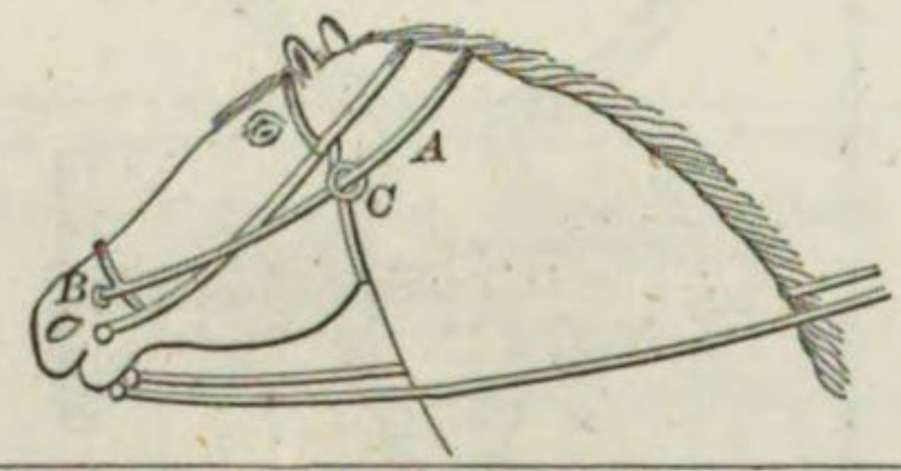
55224—D. Ballou—*Tire Bending Machine.*



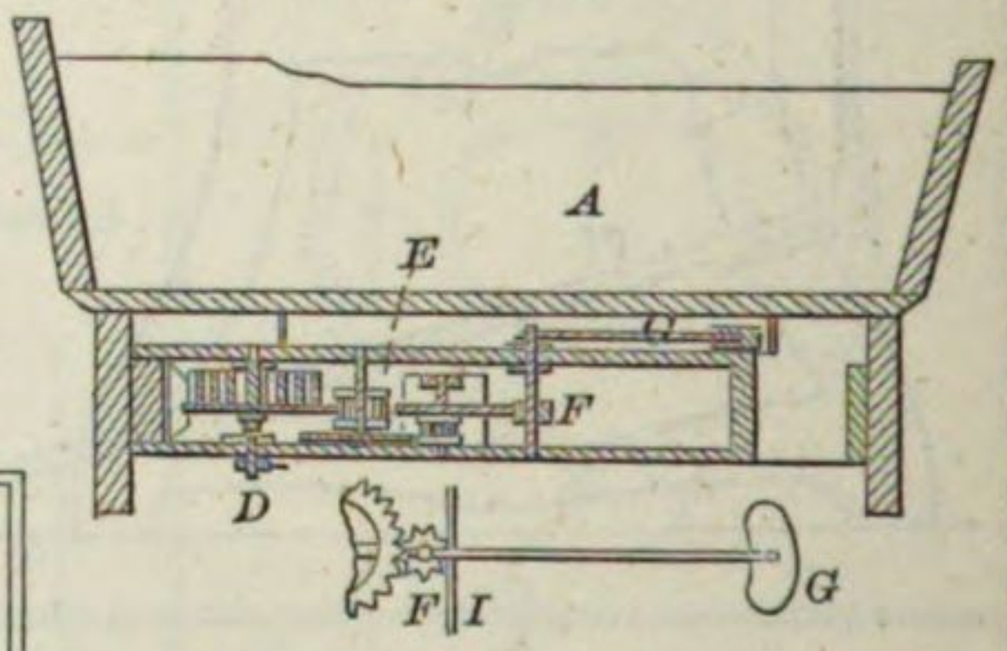
55225—A. C. Barstow—*Cooking Stove.*



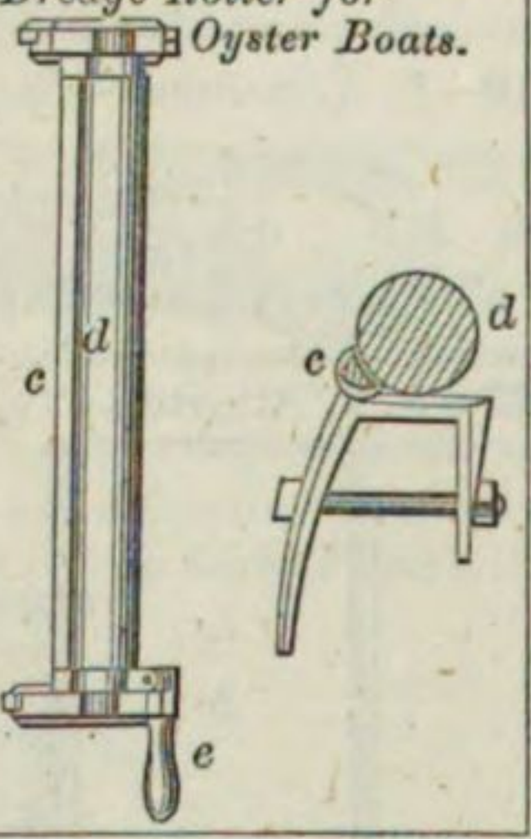
55226—W. O. Bartlett—*Bridle.*



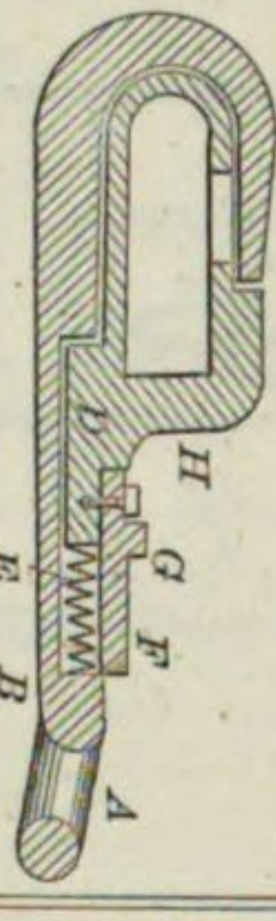
55227—W. Bedle—*Cradle.*



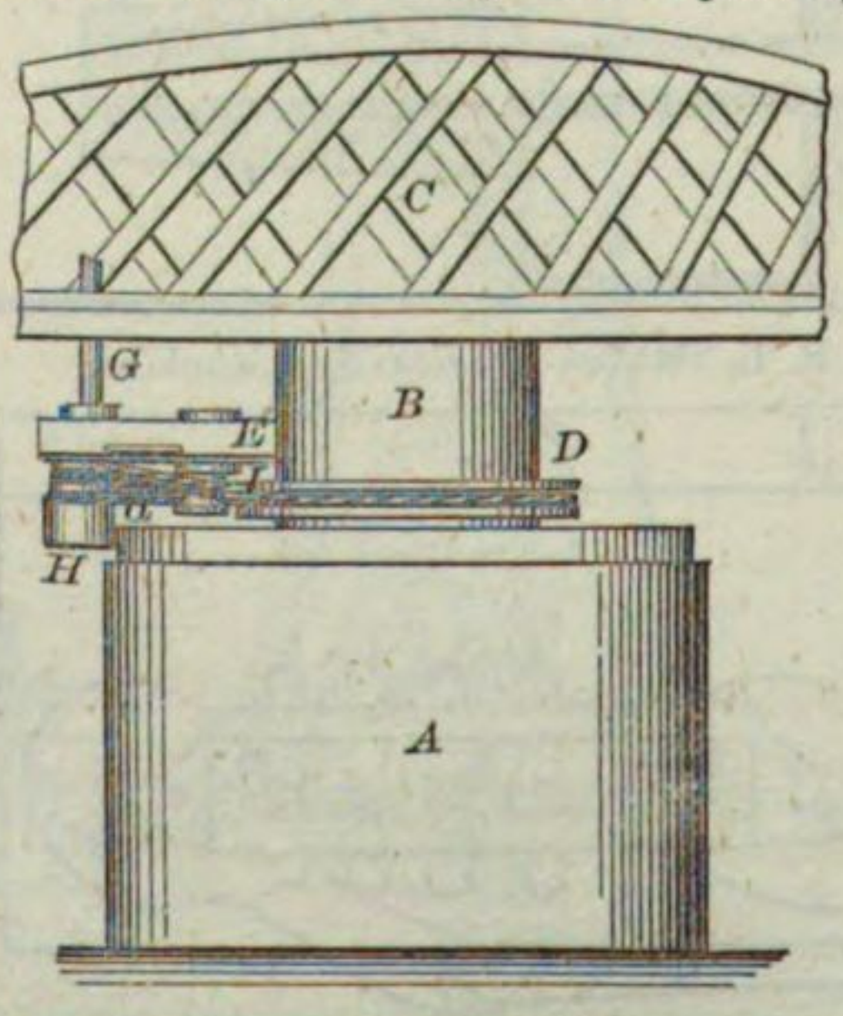
55228—C. T. Belbin—*Dredge Roller for Oyster Boats.*



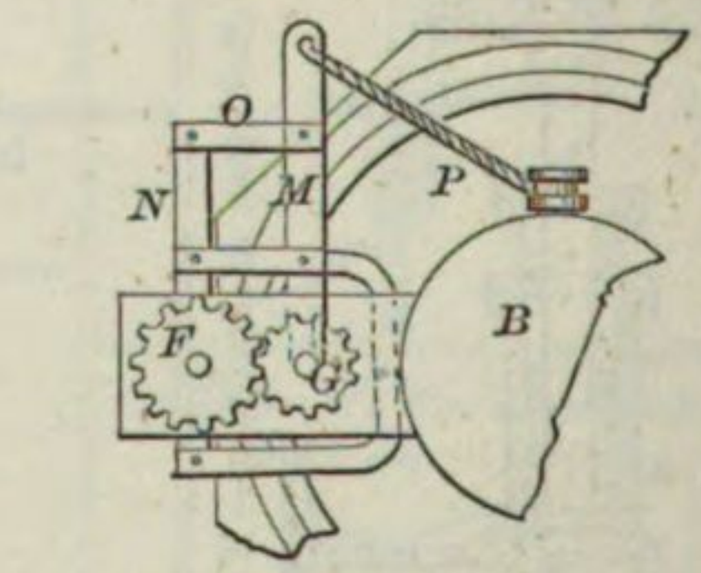
55229—Bellairs & Barto—*Snap Hook.*

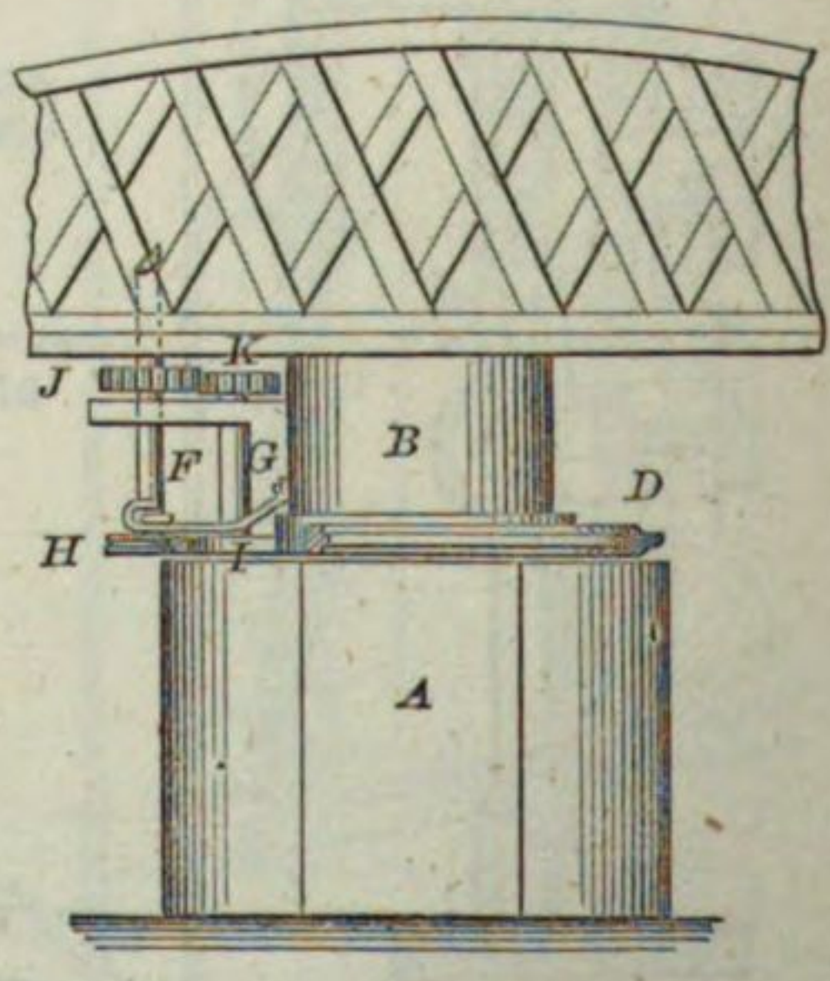


55230—W. N. Berkeley—*Turning Bridges.*

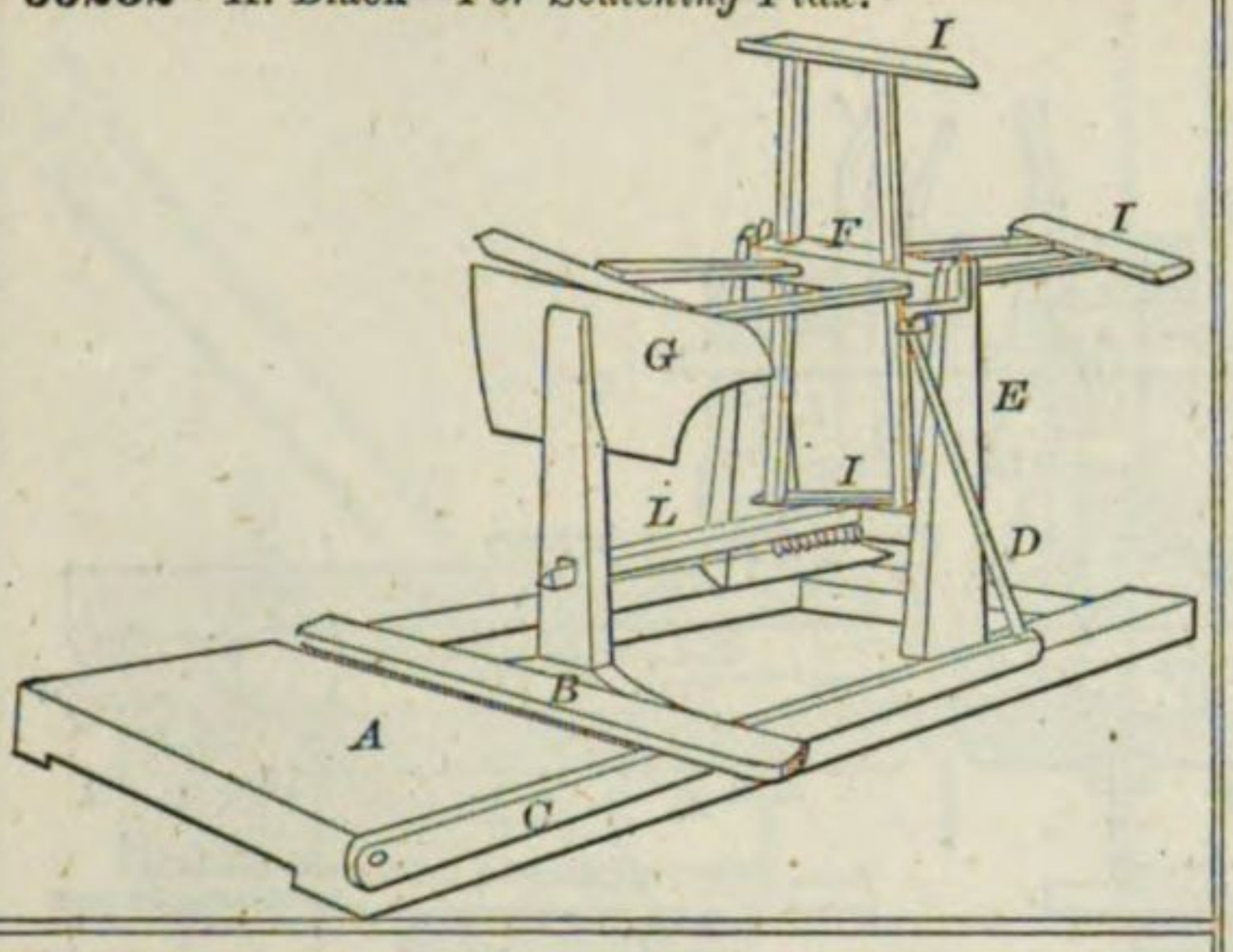


55231—W. N. Berkeley—*Turning Bridges.*

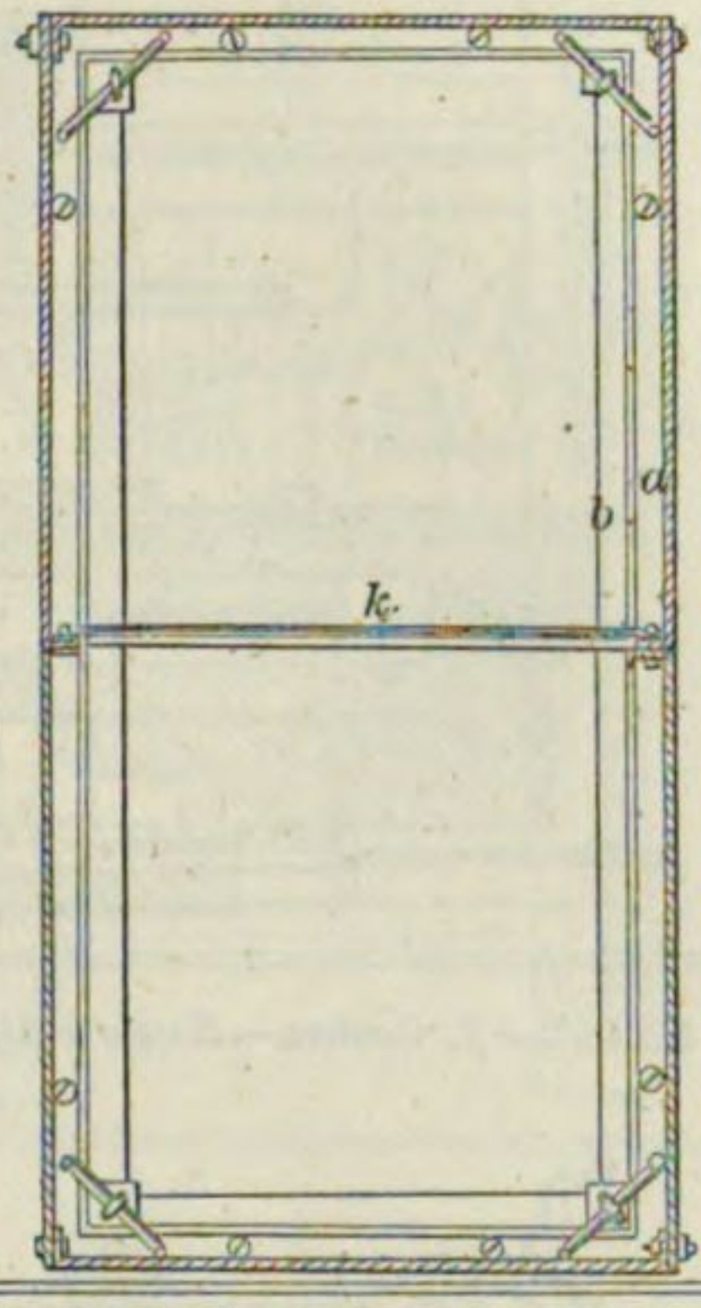




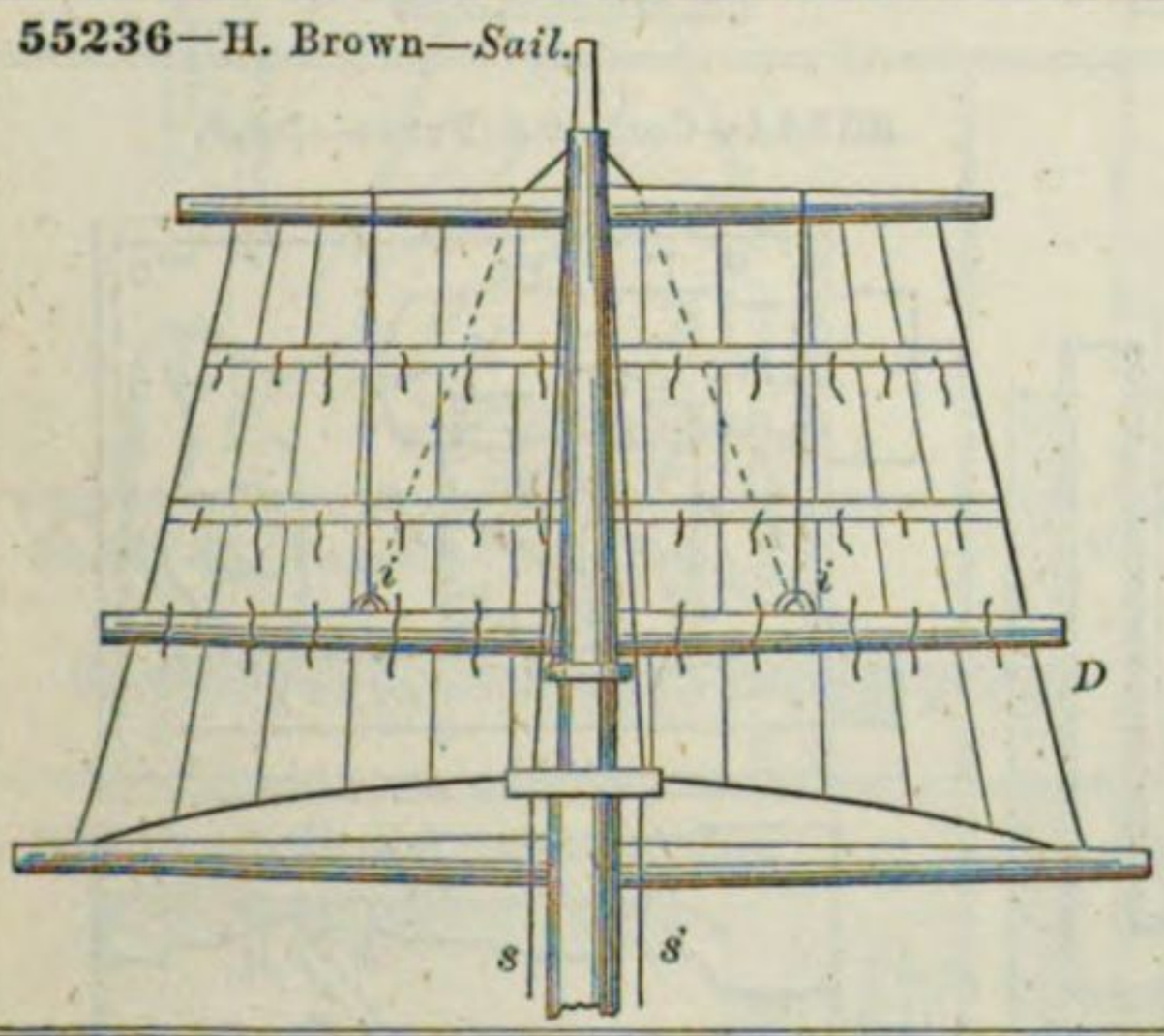
55232—H. Black—*For Scutching Flax.*



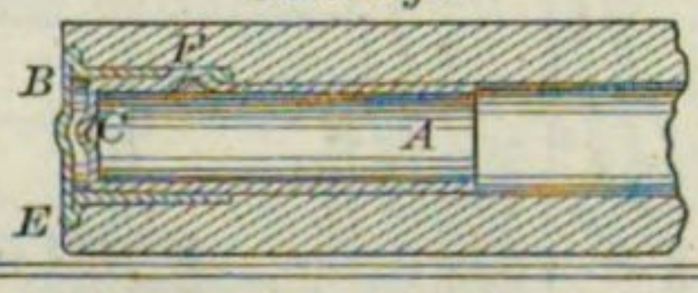
55235—J. Braidwood—*Coffer Dam.*



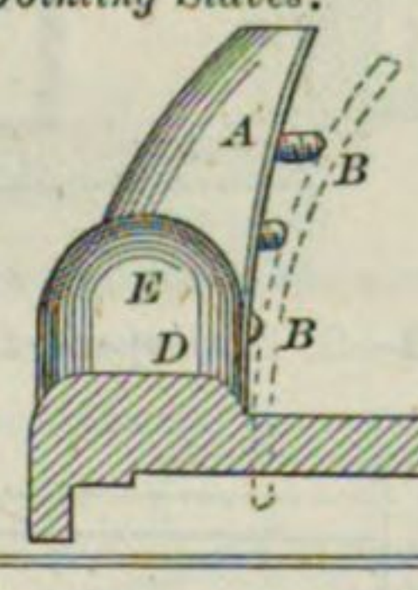
55236—H. Brown—*Sail.*



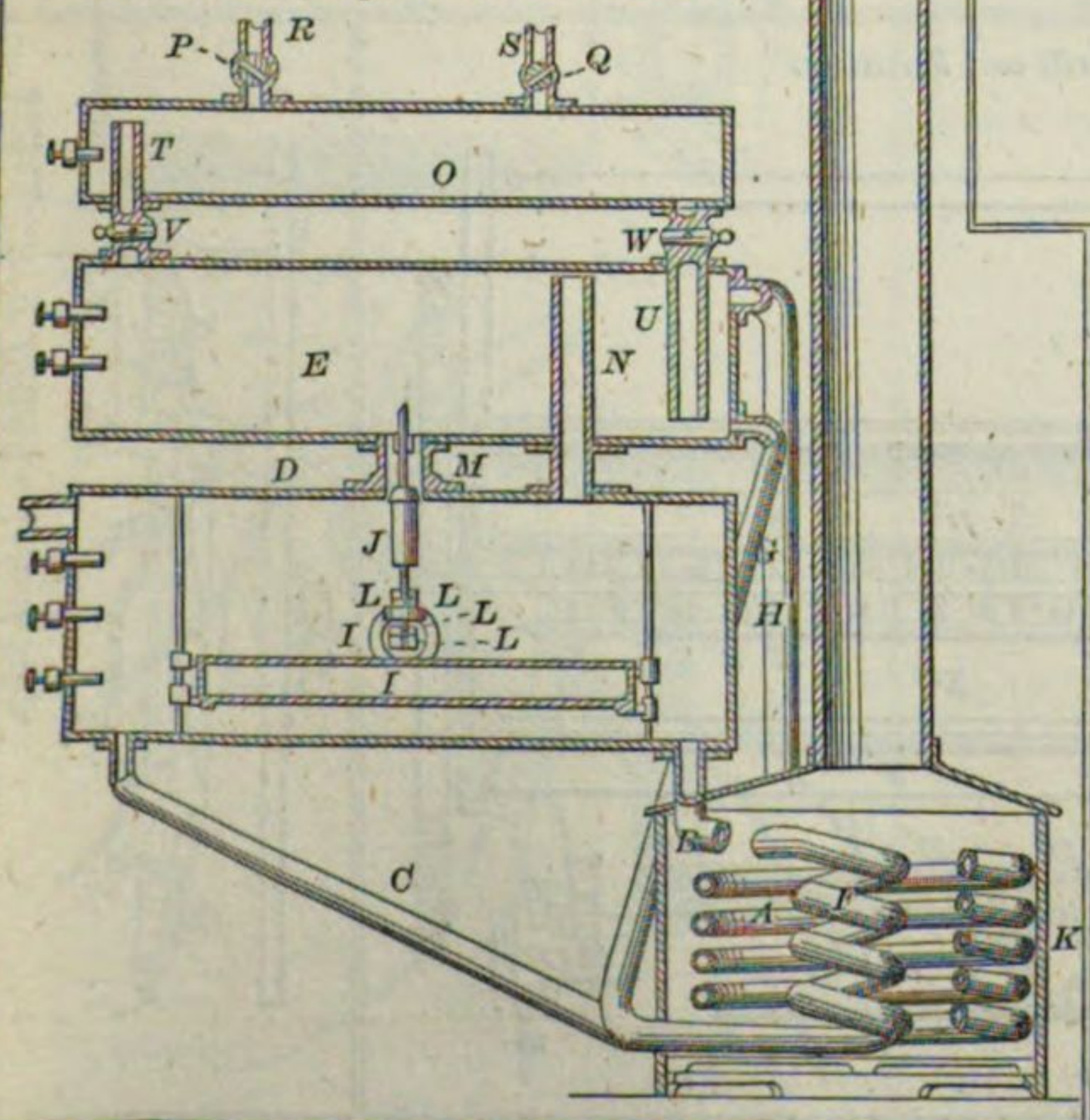
55233—A. S. Blake—*Metallic Cartridge.*



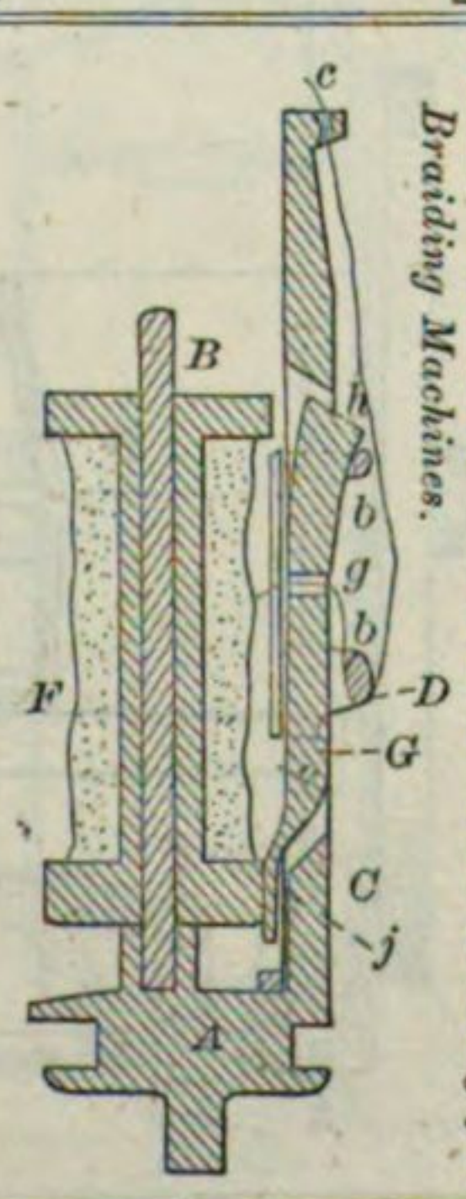
55238—A. Casebeer—*For Jointing Staves.*



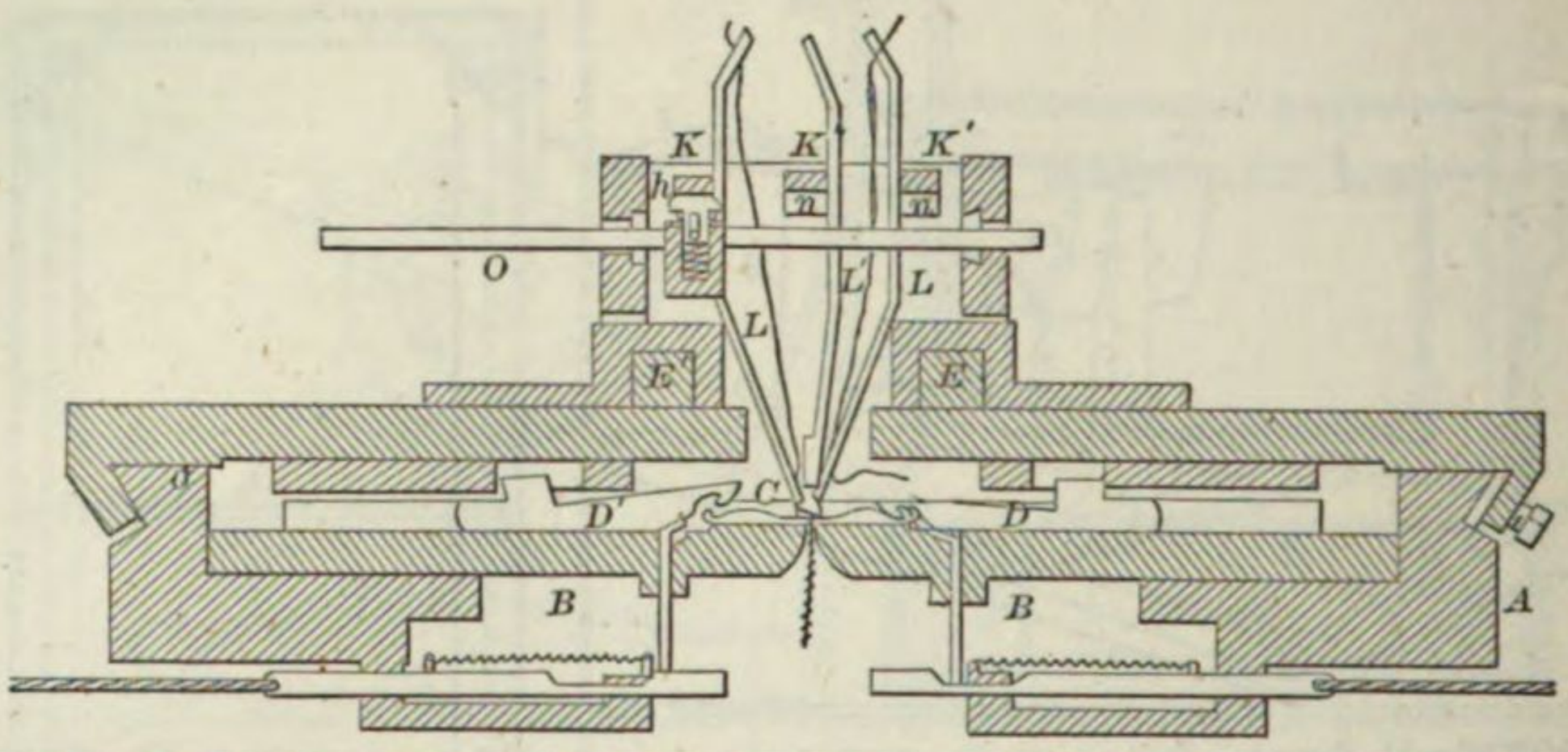
55237—J. A. Campbell—*Steam Generator.*



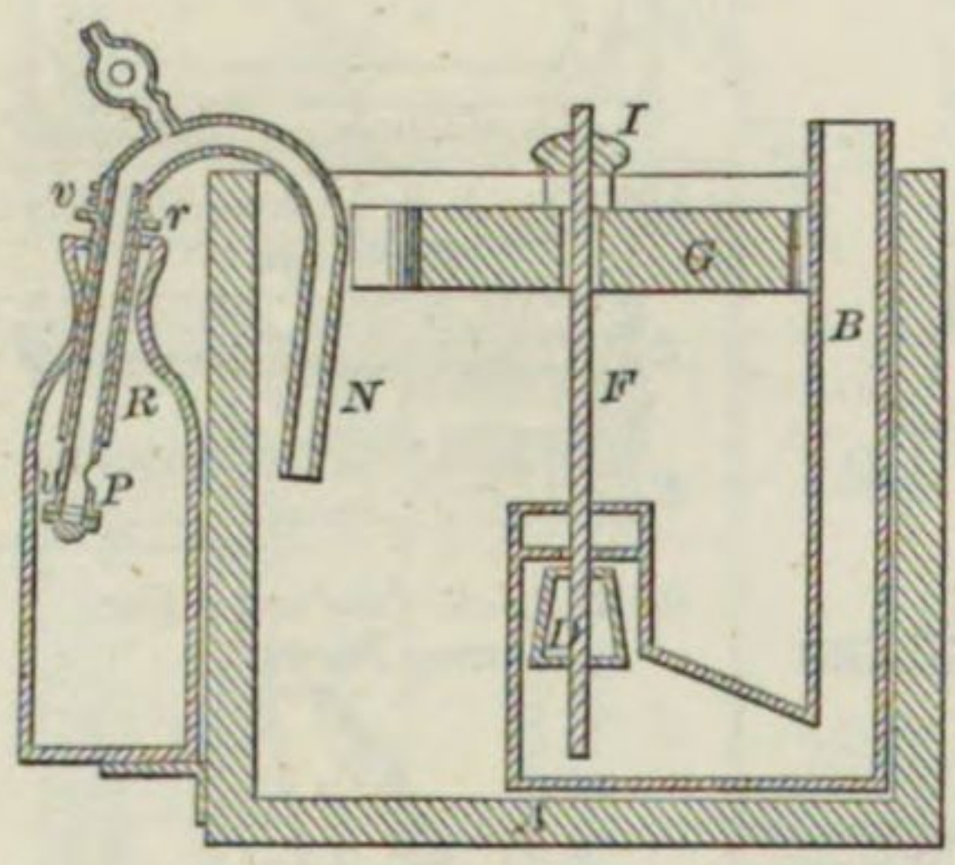
55239—Chambers & Robinson—*Yarn Delivery for Braiding Machines.*



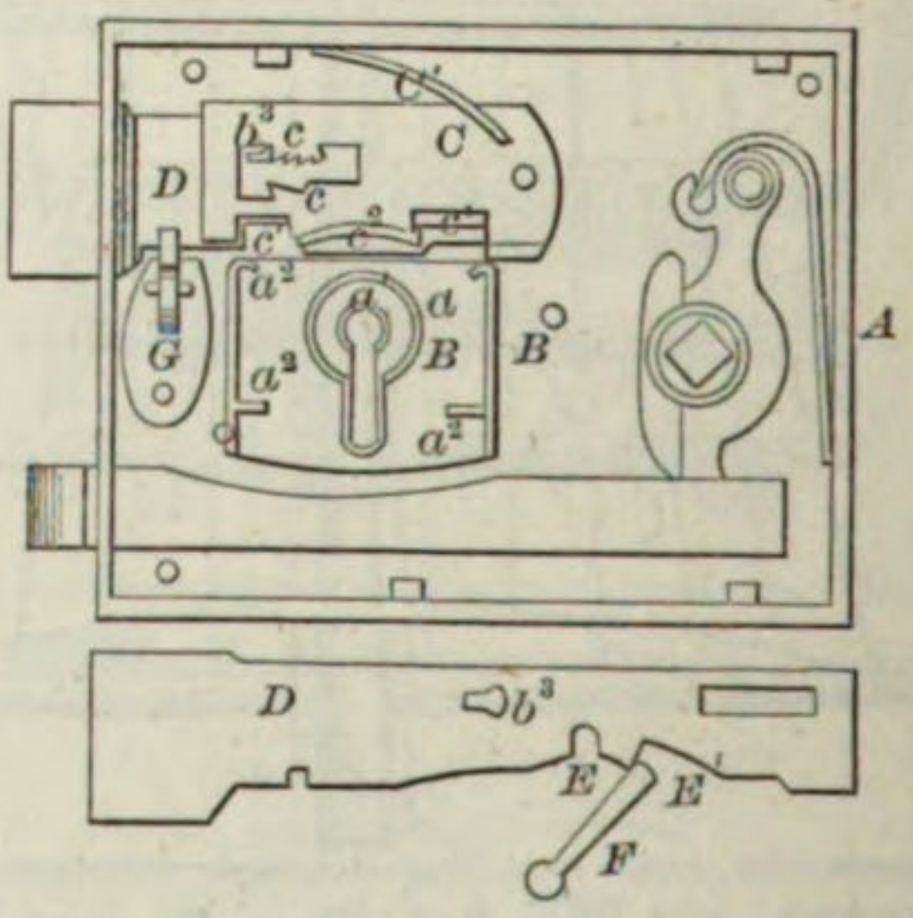
55241—W. W. Clay—*Knitting Machine.*



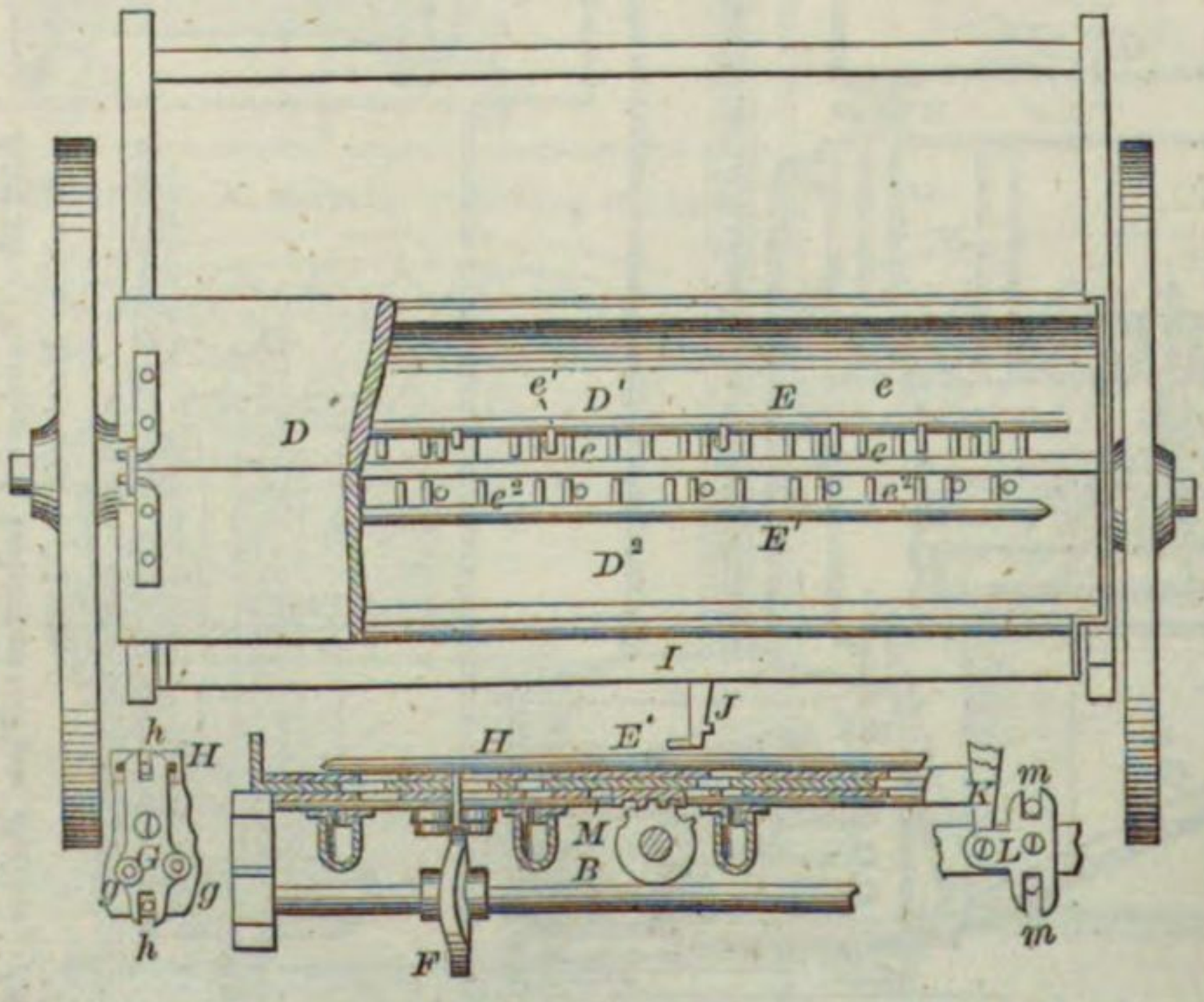
55242—T. Cochen—*Bottle Filler.*



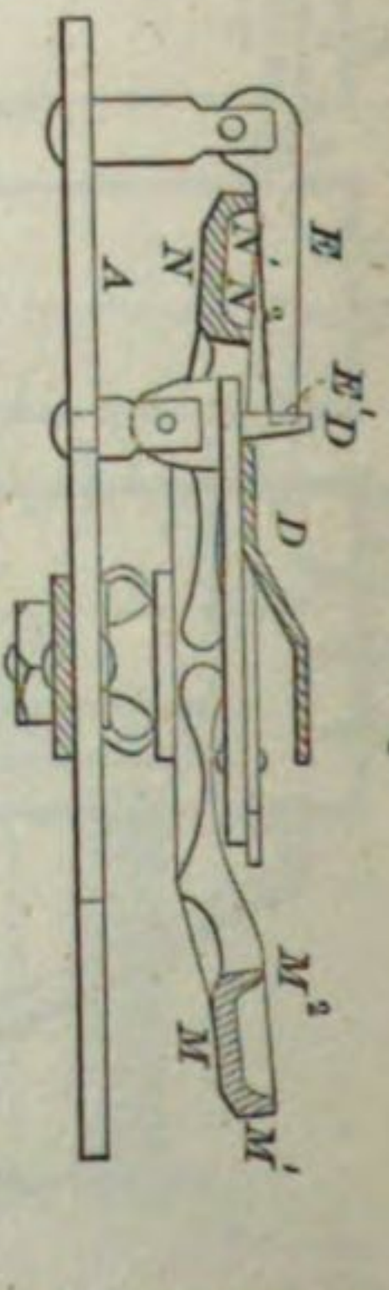
55244—Corbett & Burns—*Lock.*



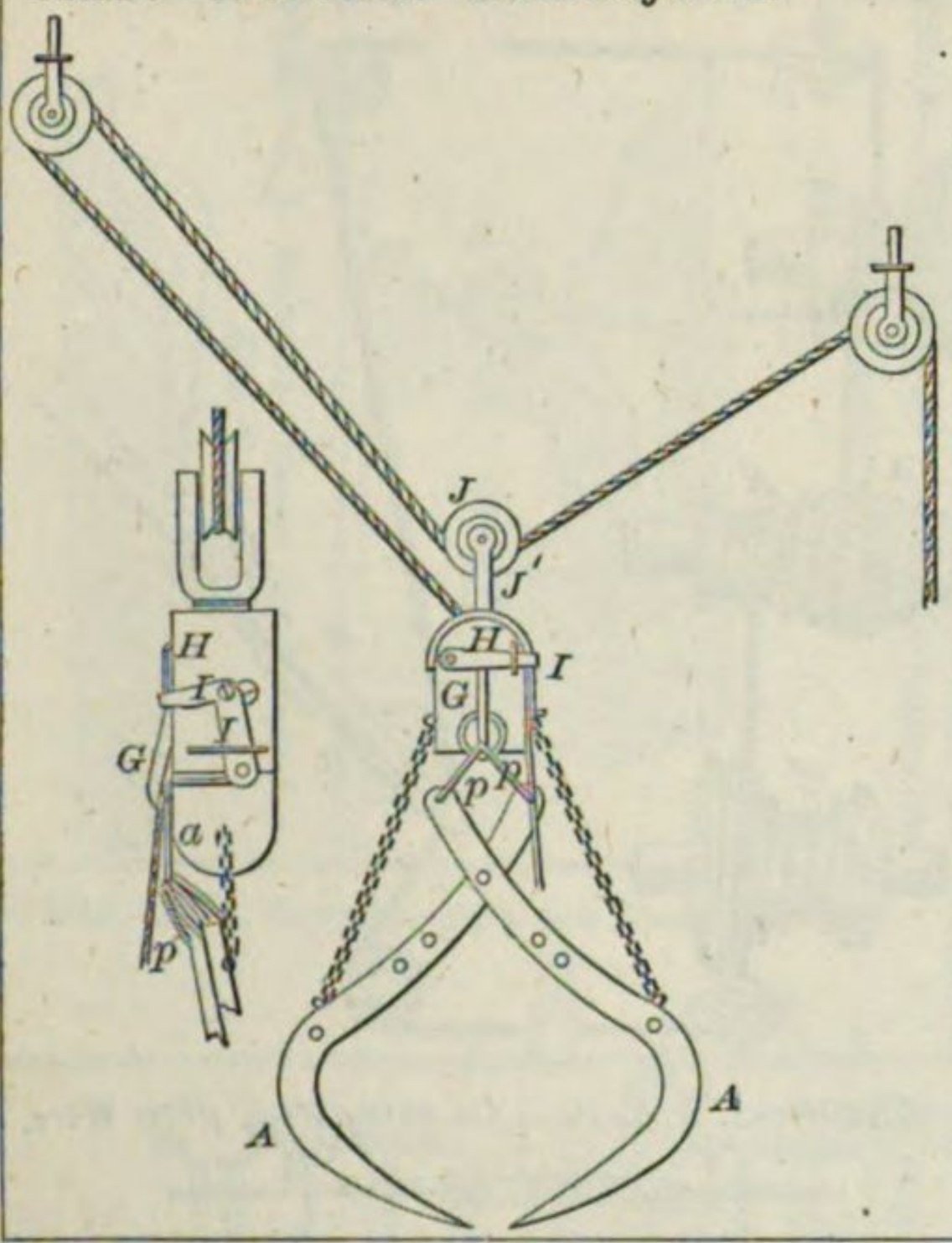
55243—G. E. Cooper—*Drill and Fertilizer.*



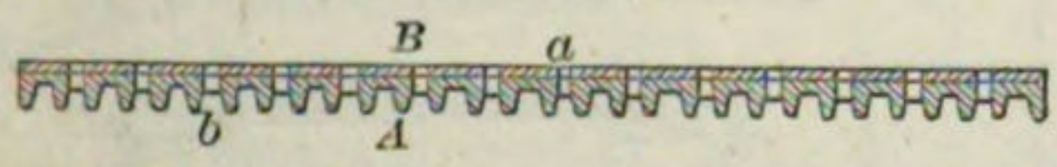
55245—G. G. Cottrell—*Animal Trap.*



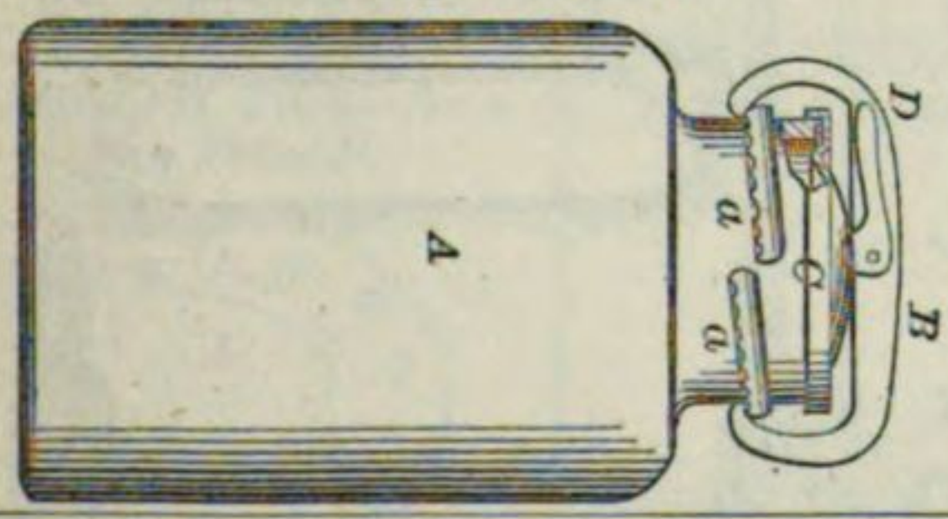
55246—C. N. Culver—*Horse Hay Fork.*



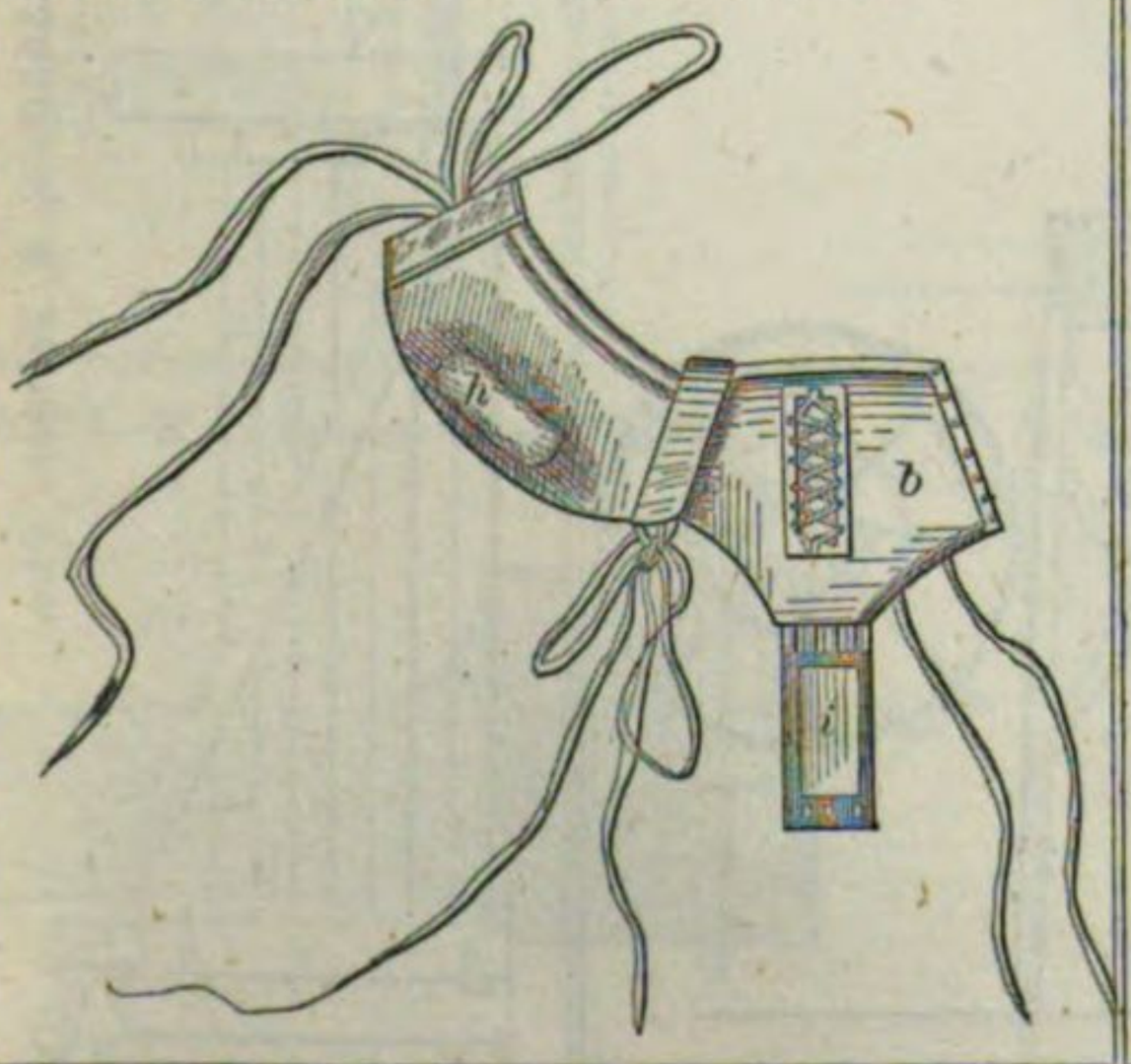
55247—L. Daggett—*Inner Sole.*



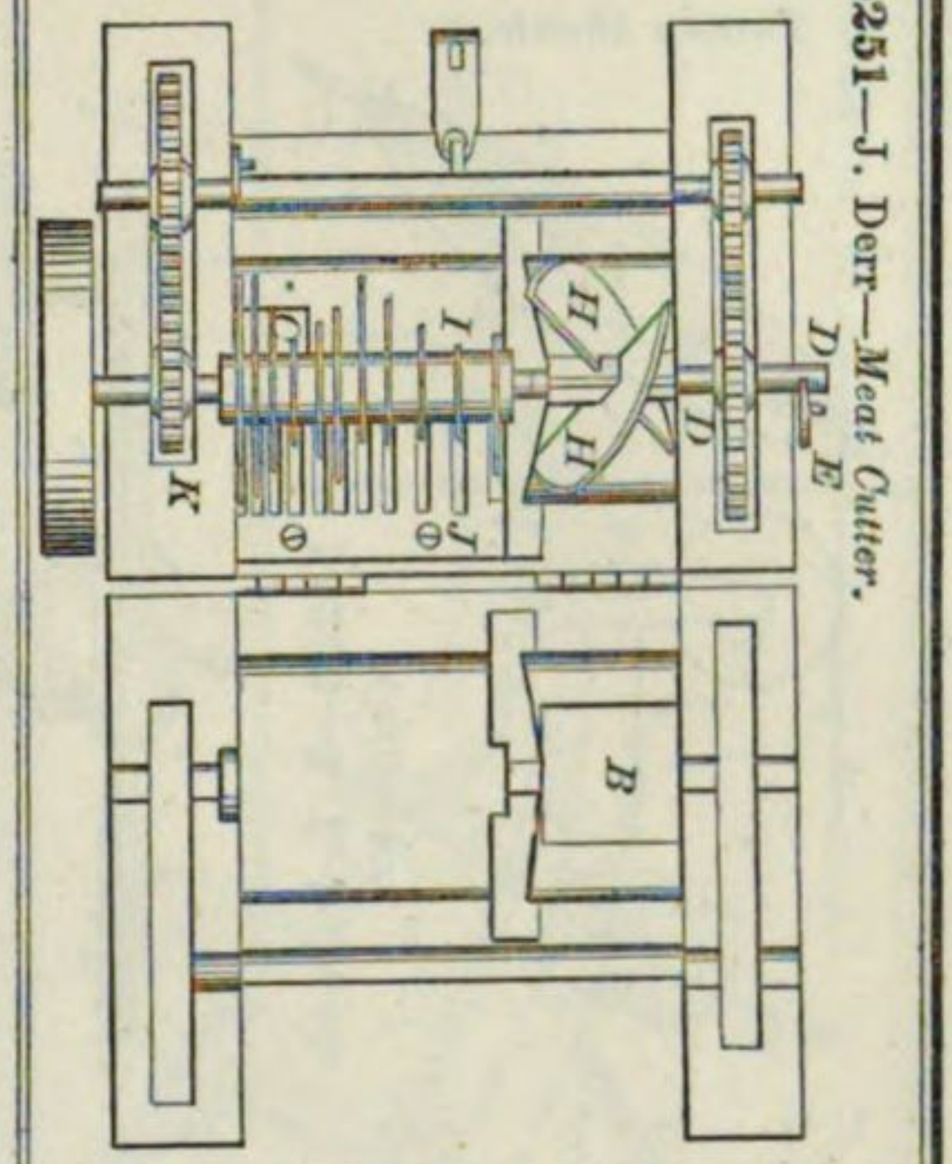
55248—R. M. Dalbey—*Fruit Jar.*



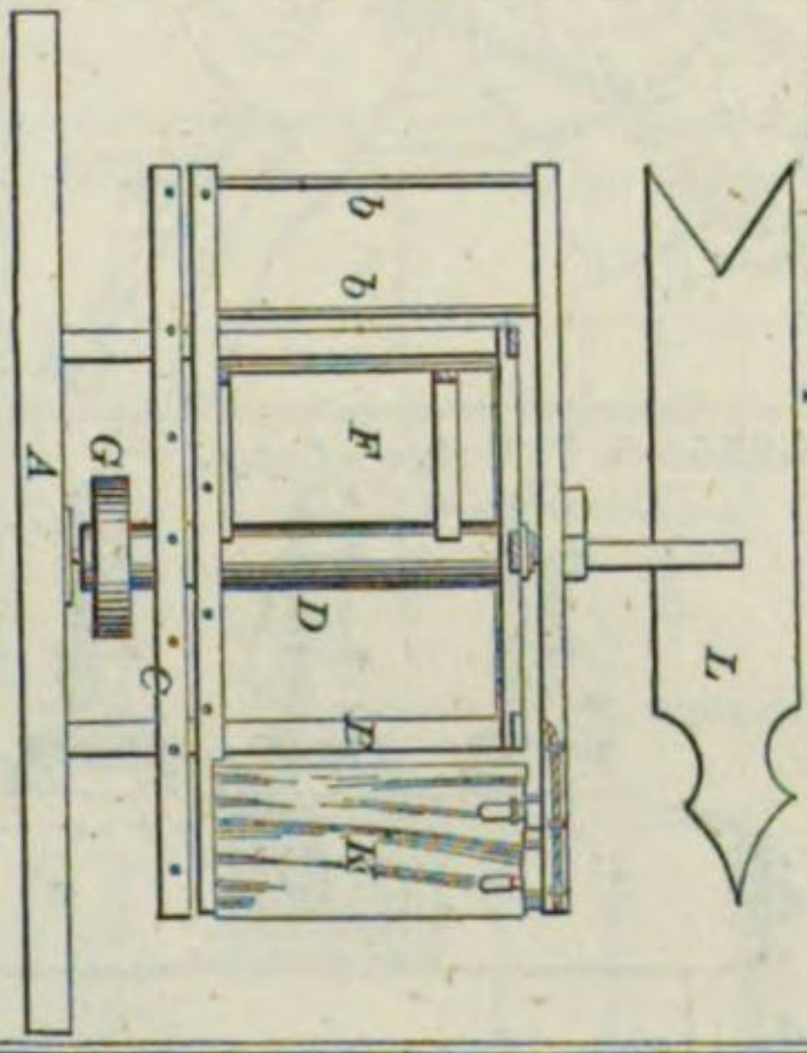
55252—E. Dexter—*Abdominal Supporter.*



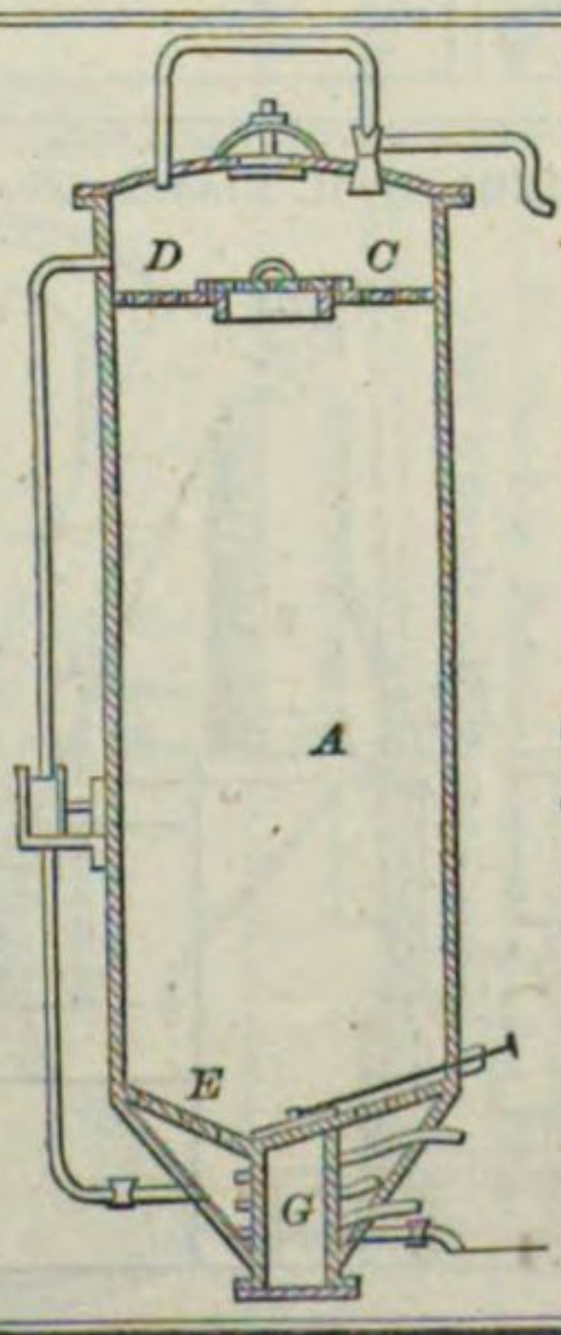
55251—J. Derr—*Meat Cutter.*



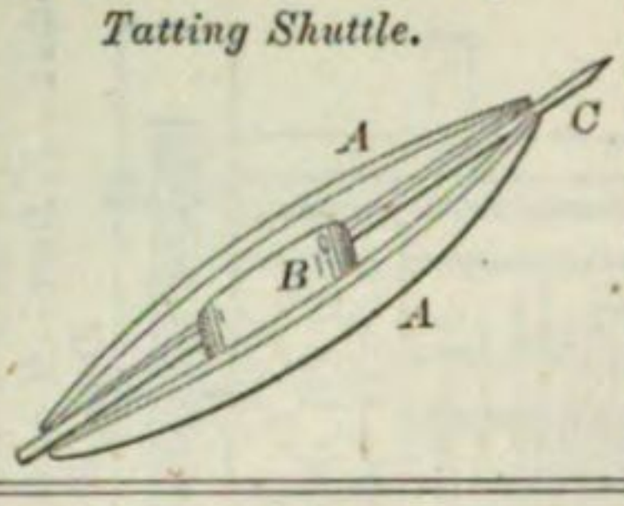
55250—M. Depue—*Wind Power*



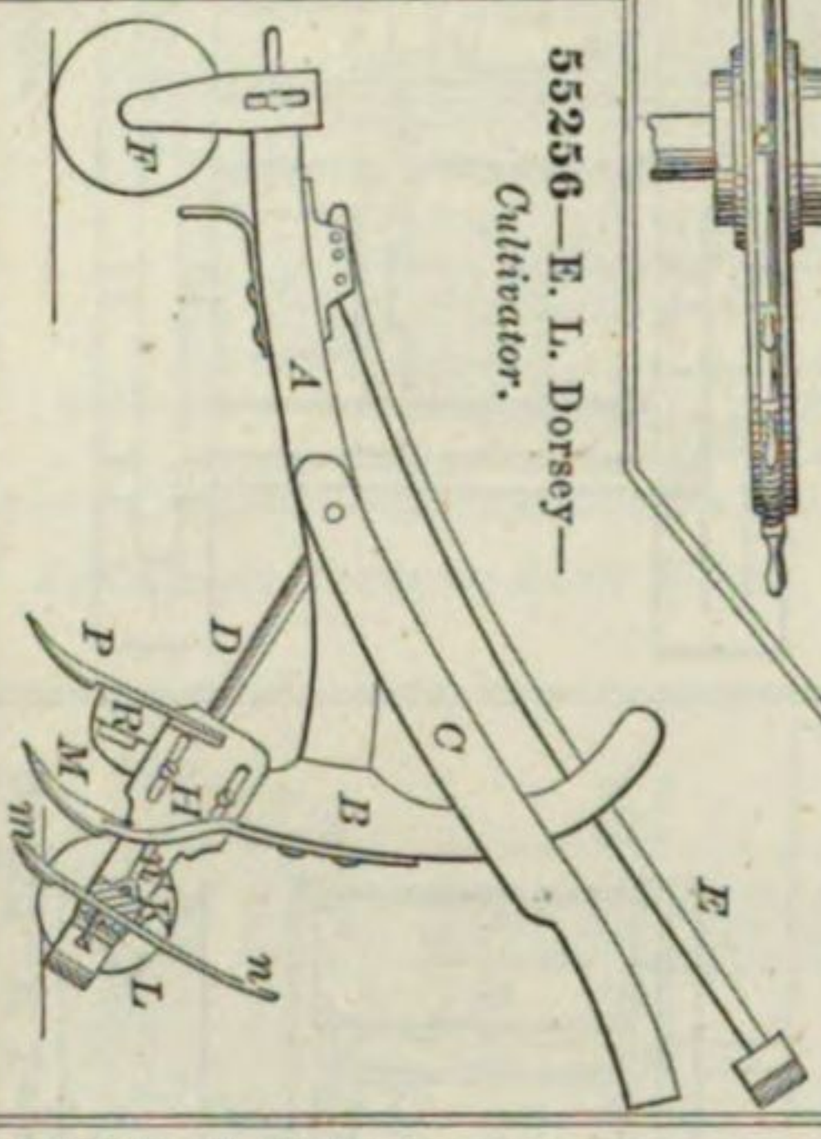
55253—J. W. Dixon—*For Pulping Wood.*



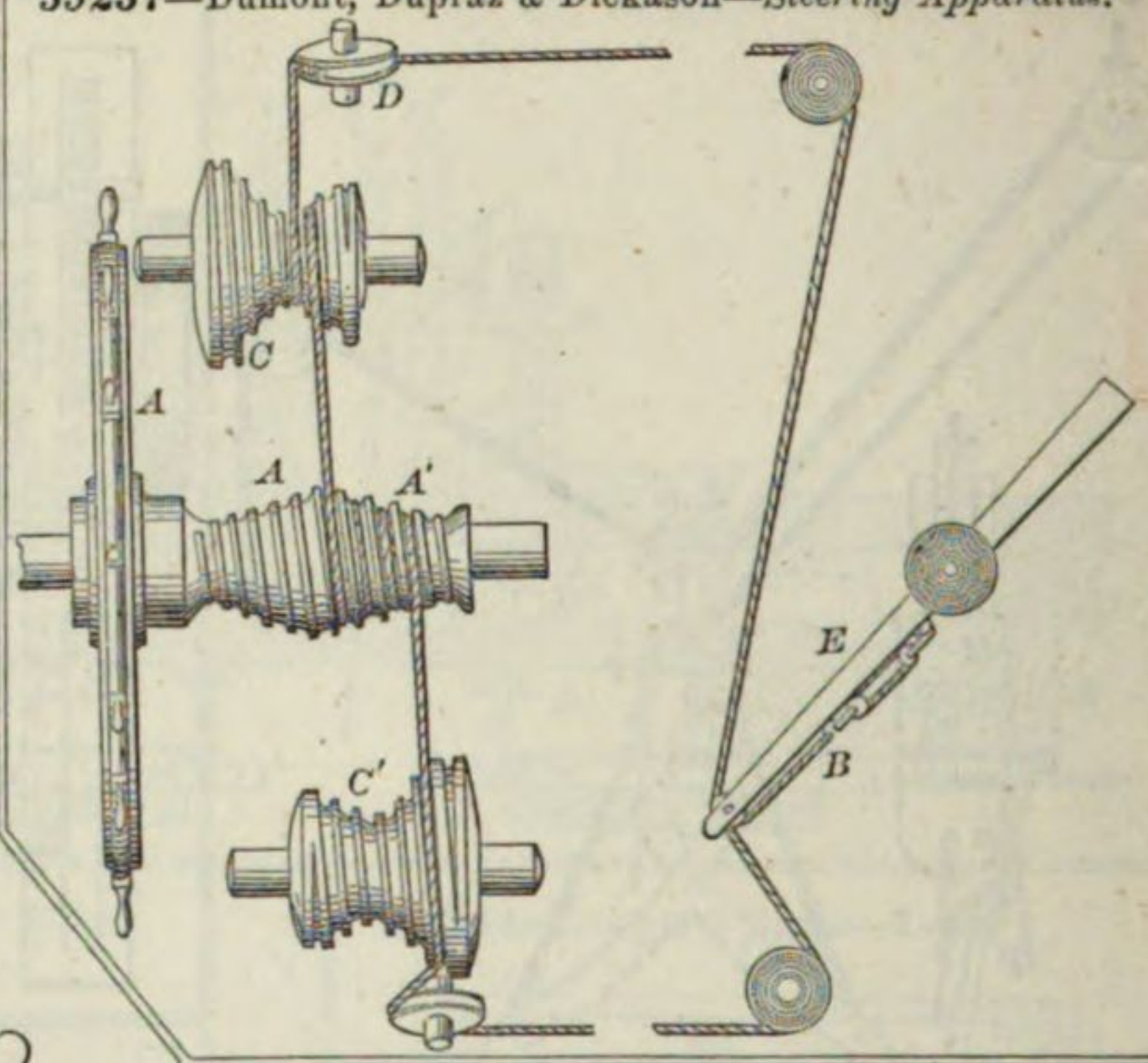
55254—A. Dobrowsky—*Tatting Shuttle.*



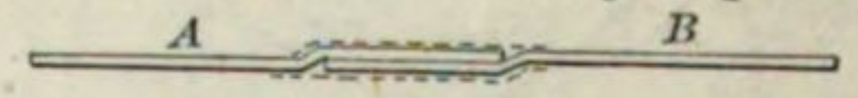
55256—E. L. Dorsey—*Cultivator.*



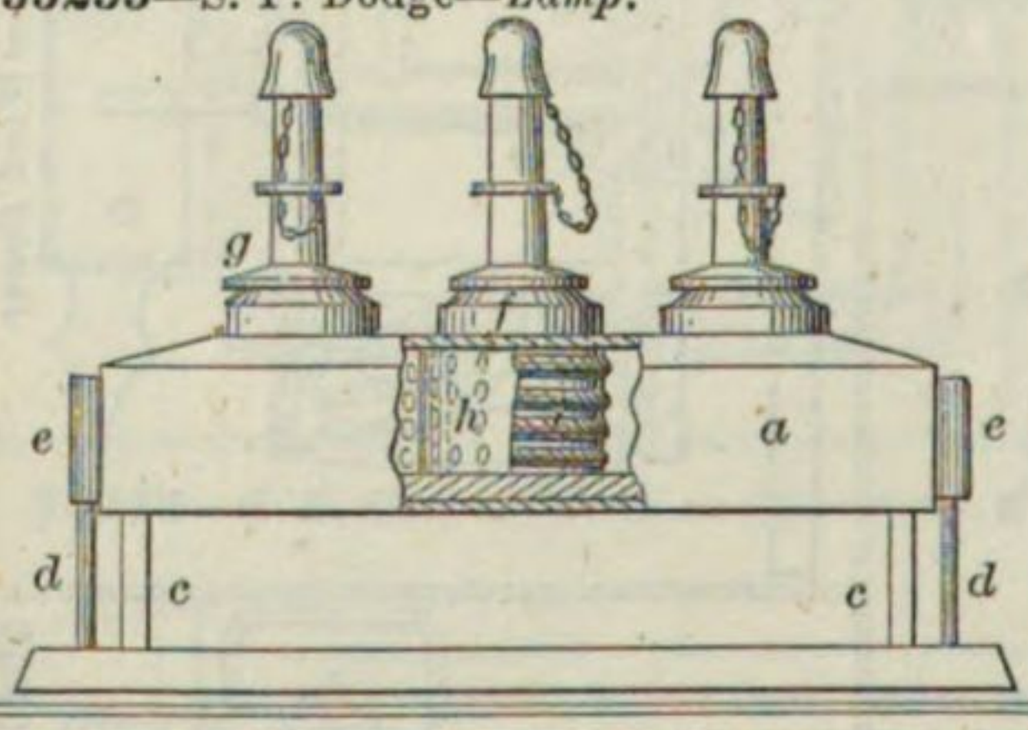
55257—Dumont, Dupraz & Dickason—*Steering Apparatus.*



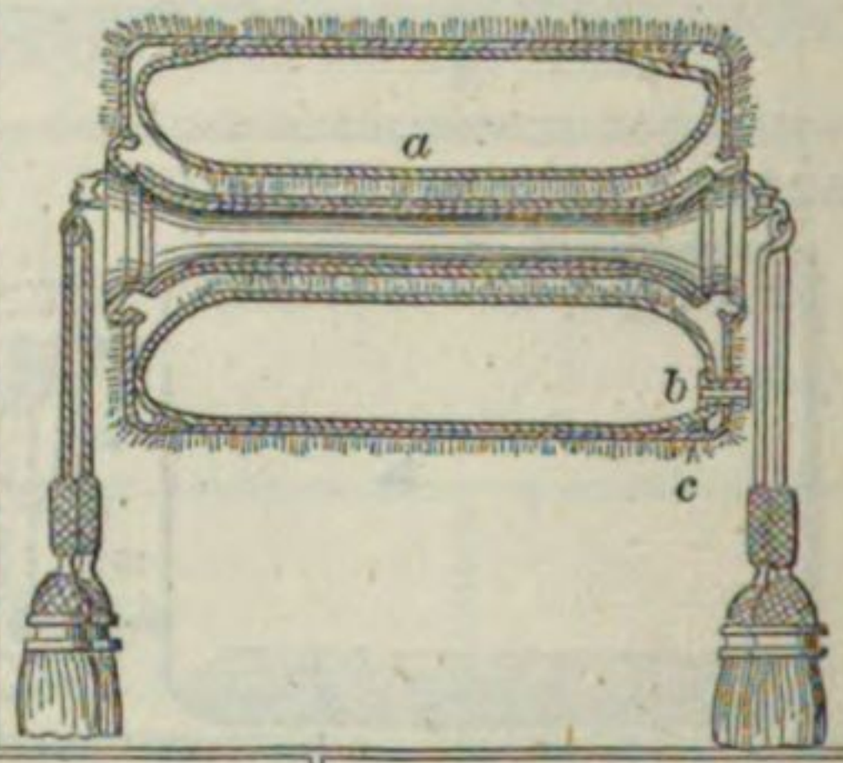
55258—J. E. Earle—*Attaching Hoop Skirt Wire.*



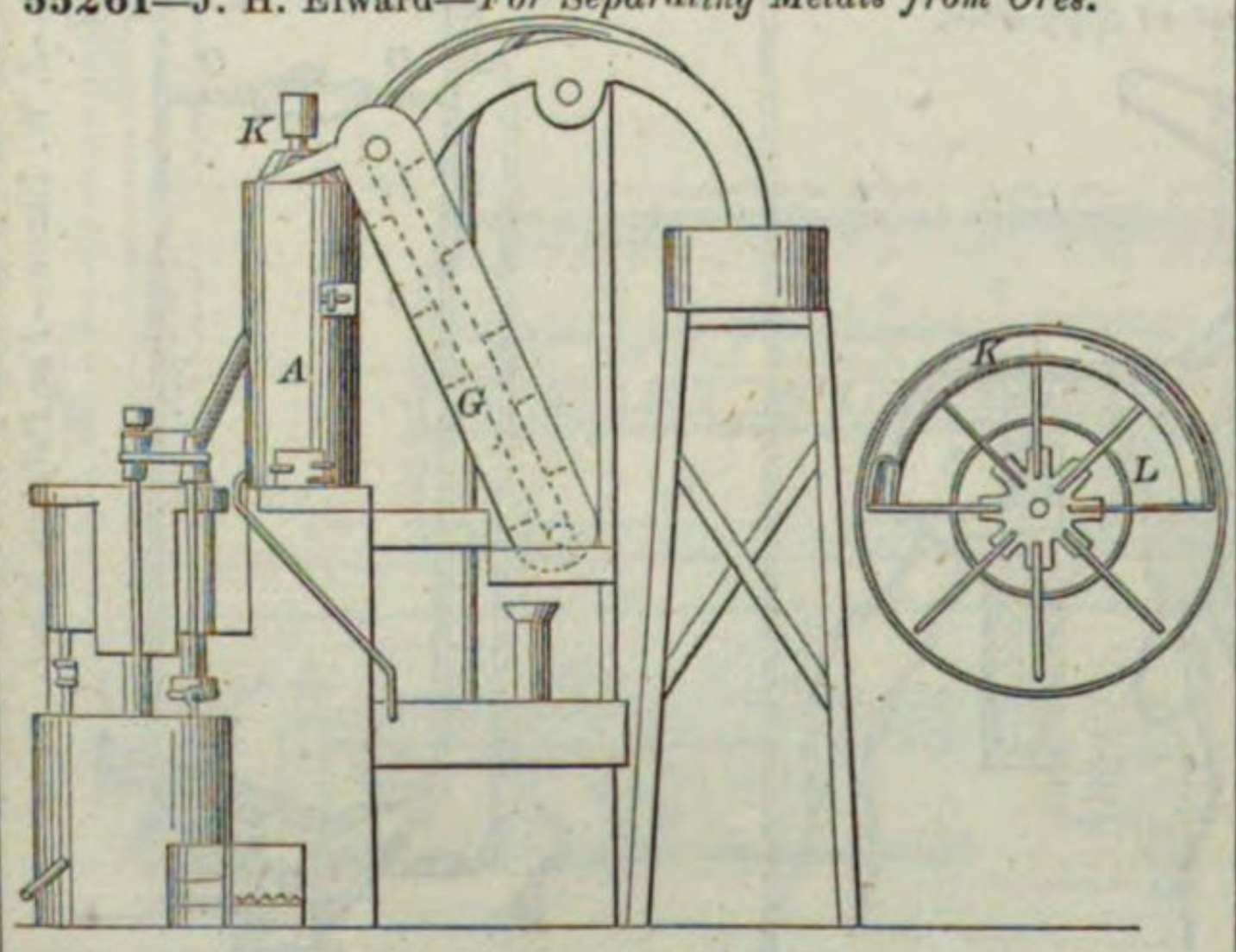
55255—S. P. Dodge—*Lamp.*



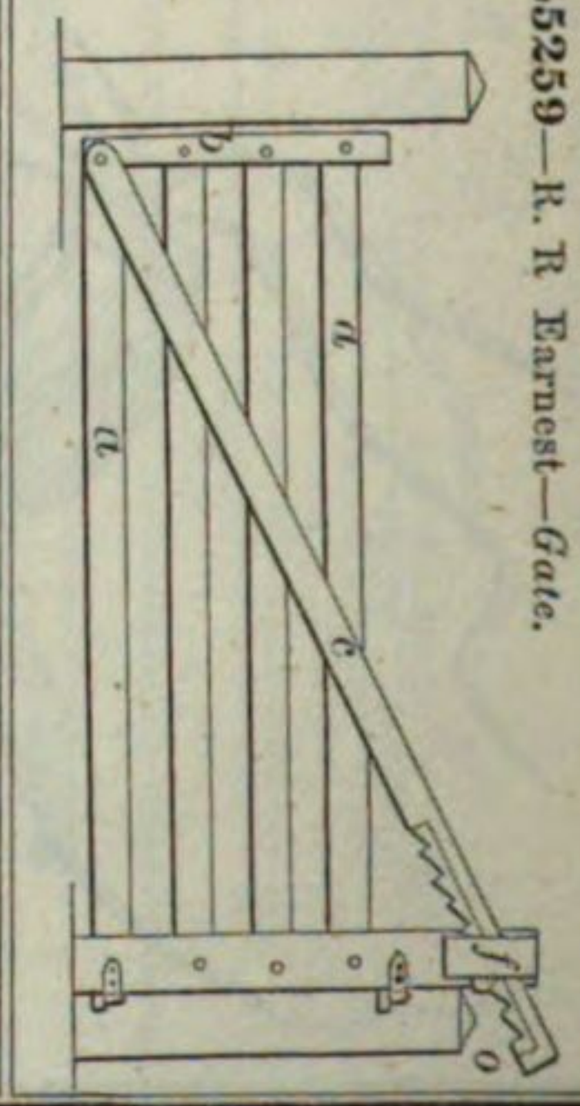
55260—T. Eckert—*Ladies' Muff.*



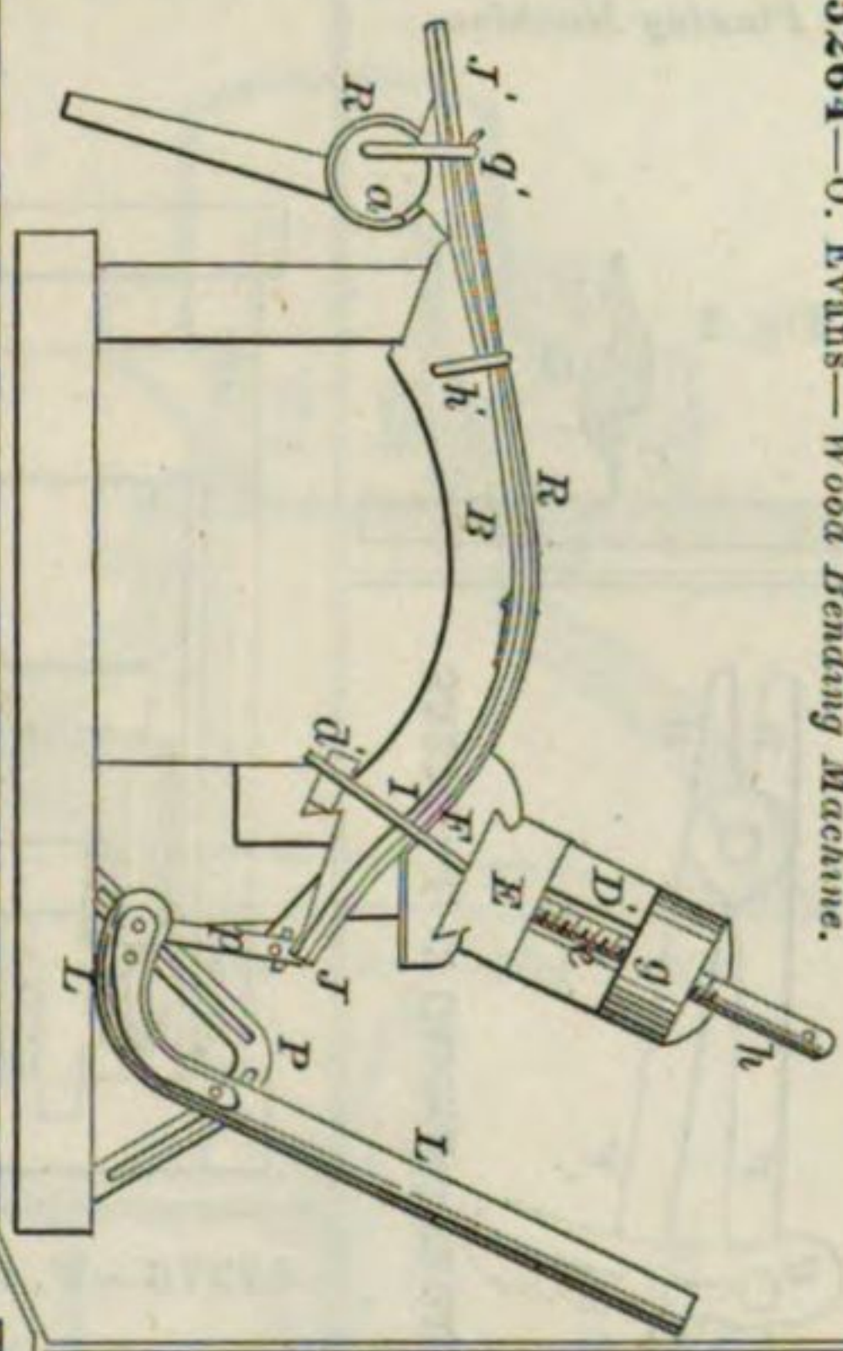
55261—J. H. Elward—*For Separating Metals from Ores.*



55259—R. R Earnest—*Gate.*



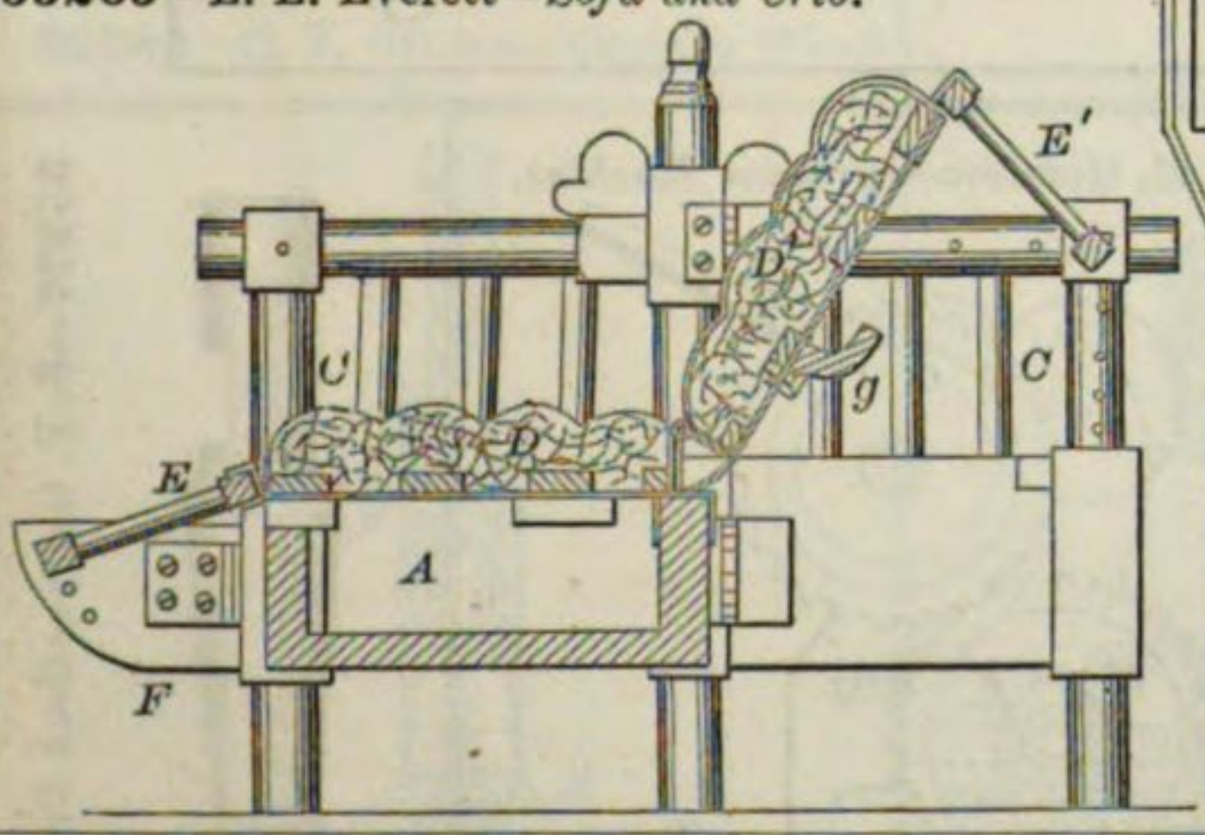
55264—O. Evans—*Wood Bending Machine.*



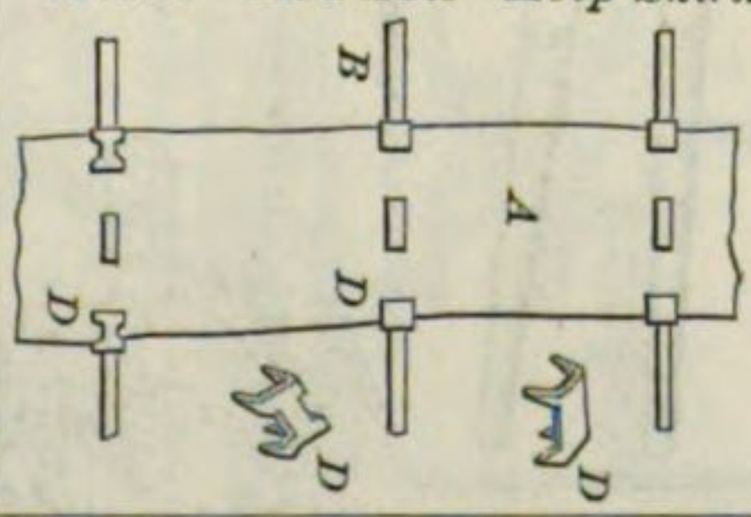
55263—J. E. Emerson—*Forging, Shearing and Punching Device.*

55262—J. E. Emerson—*Swage for Sharpening Saw Teeth.*

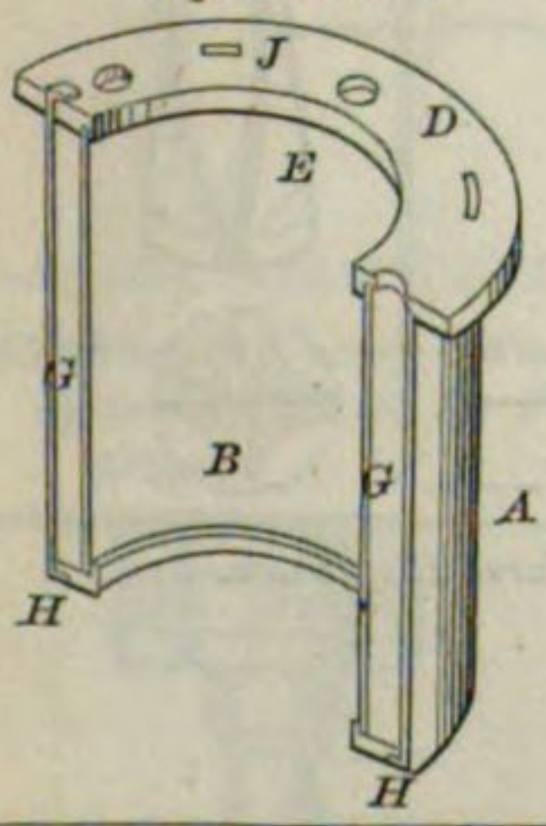
55265—E. E. Everett—*Sofa and Crib.*



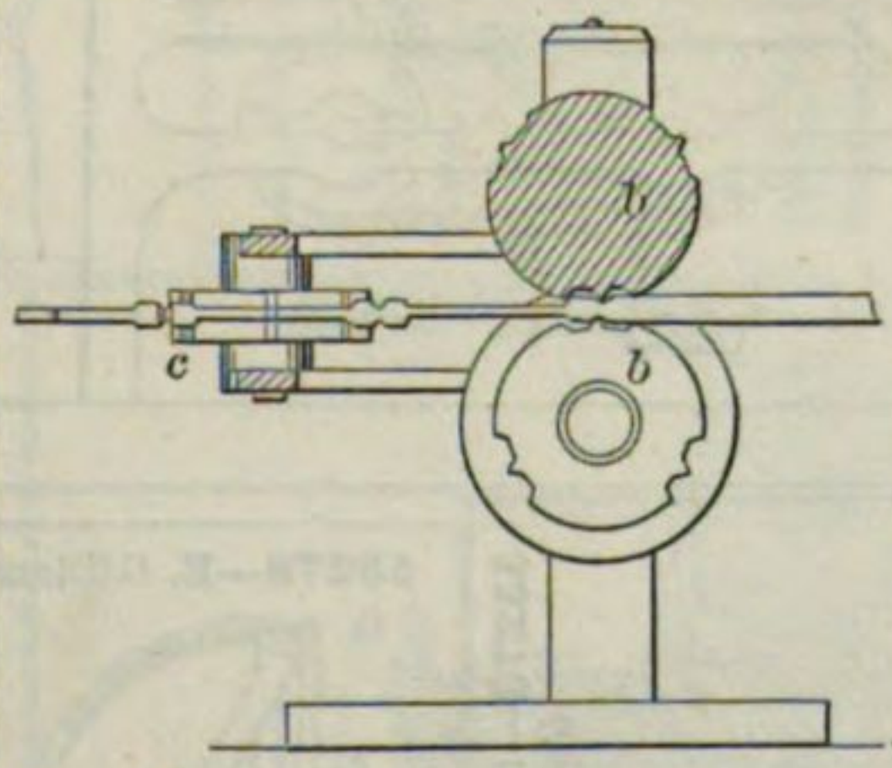
55266—M. Fishel—*Hoop Skirt.*



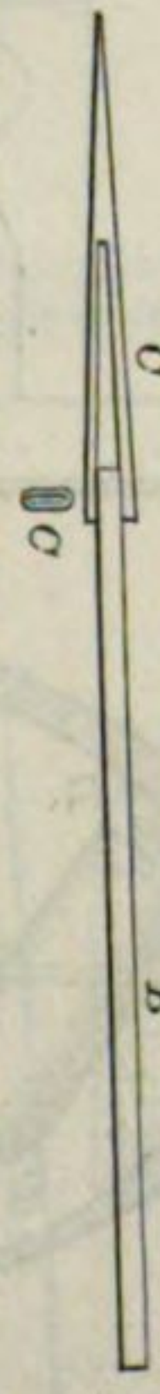
55268—C. H. Fitch—*Stove Pipe Thimble.*



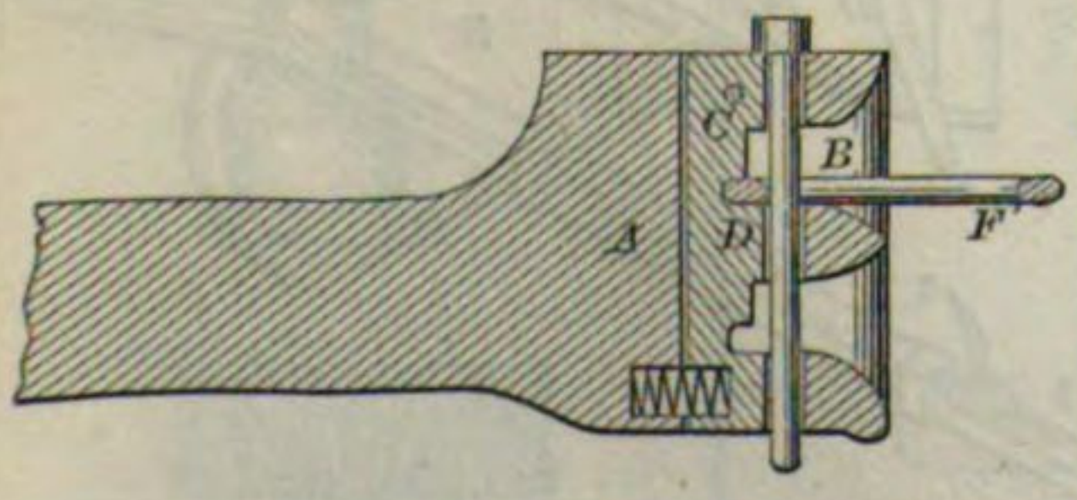
55270—T. Fowler—*Horse Shoe Nail.*



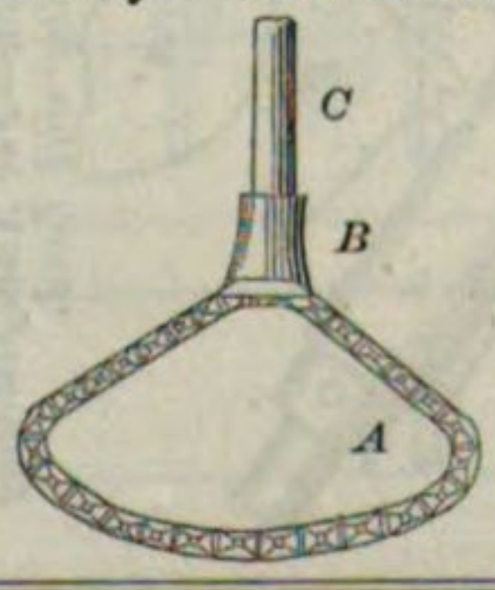
55267—M. Fishel—*For Punching Fabrics and introducing Flat Skirt Wire therein.*



55271—E J. Frazier—*Car Coupling.*

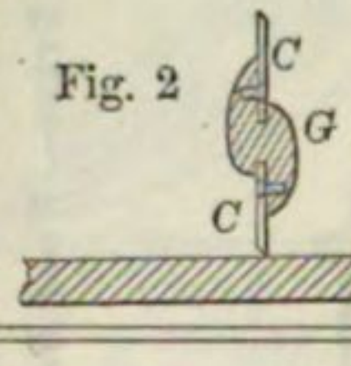


55269—A. D. Forbes—*Stock for Broom Head.*

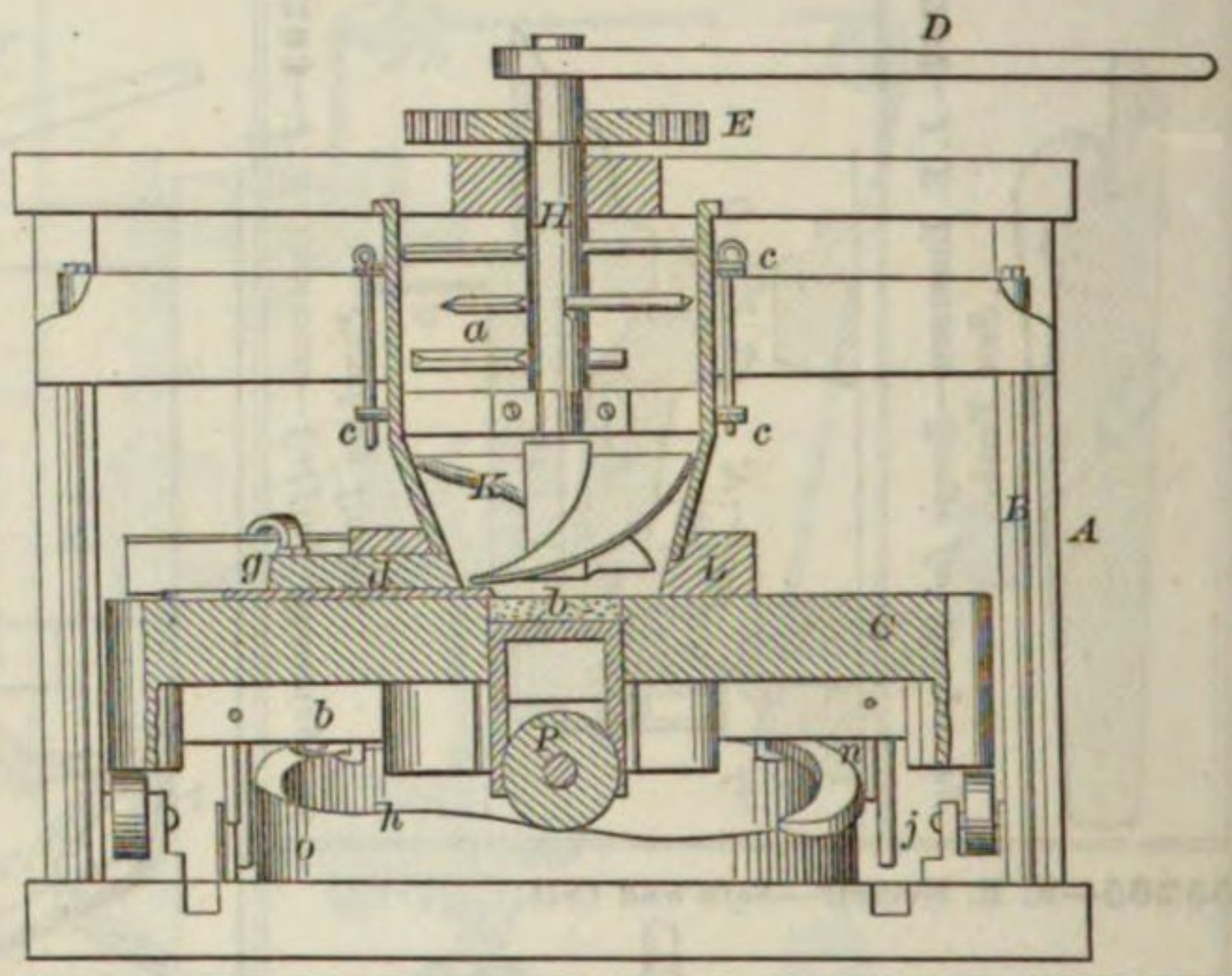


55272—A. Fuller—*Planing Machine.*

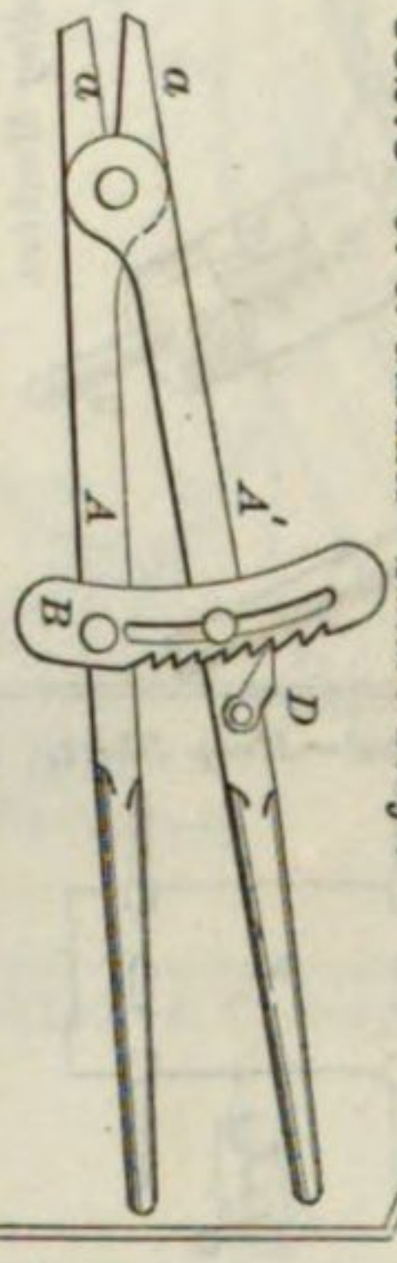
Fig. 2



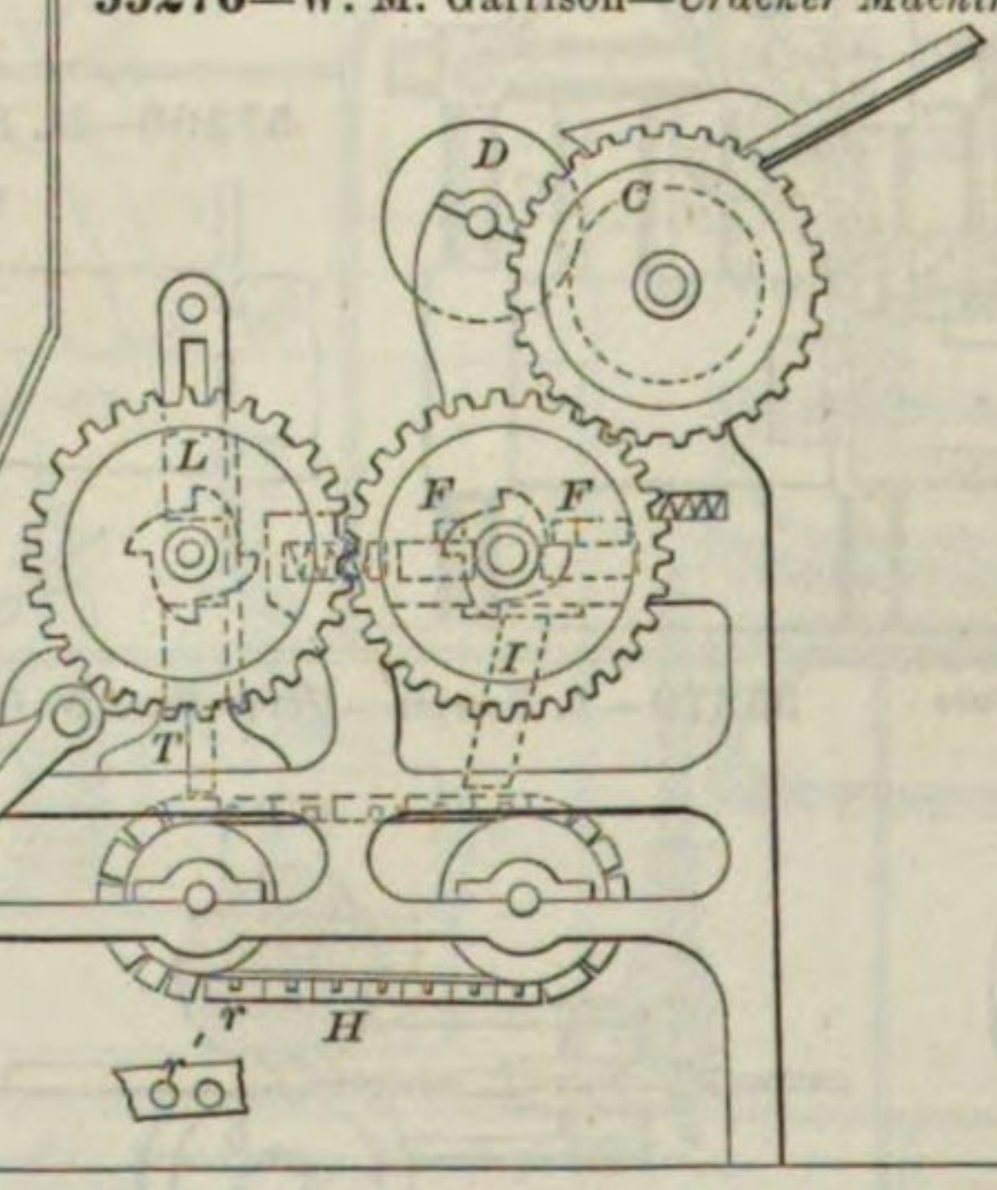
55274—B. M. Gard—*Brick Machine.*



55275—J. C. Gardner—*Smith's Tongs.*

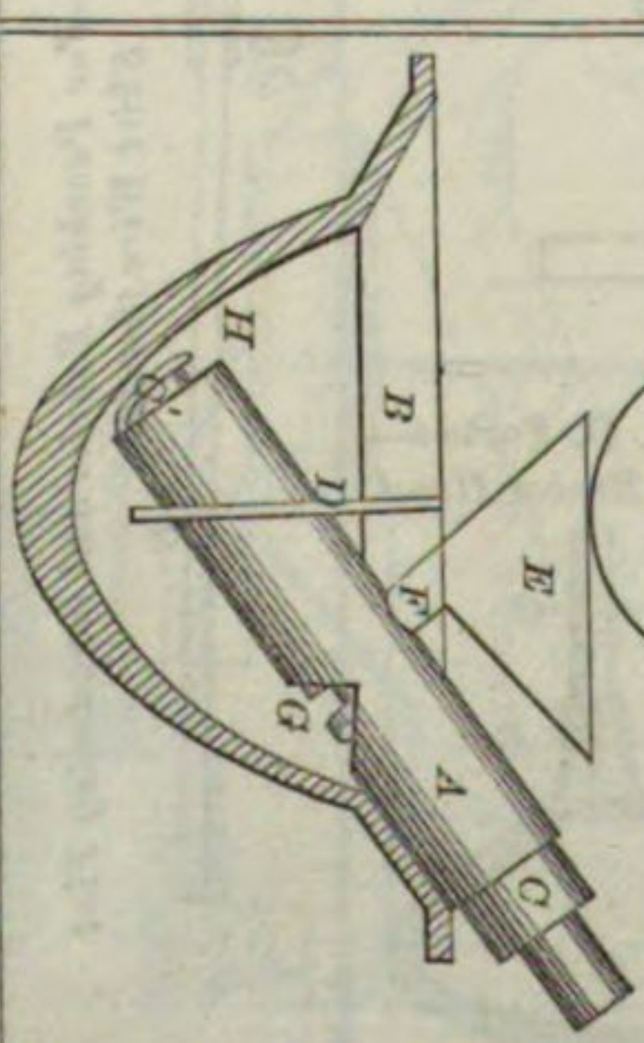


55276—W. M. Garrison—*Cracker Machine.*

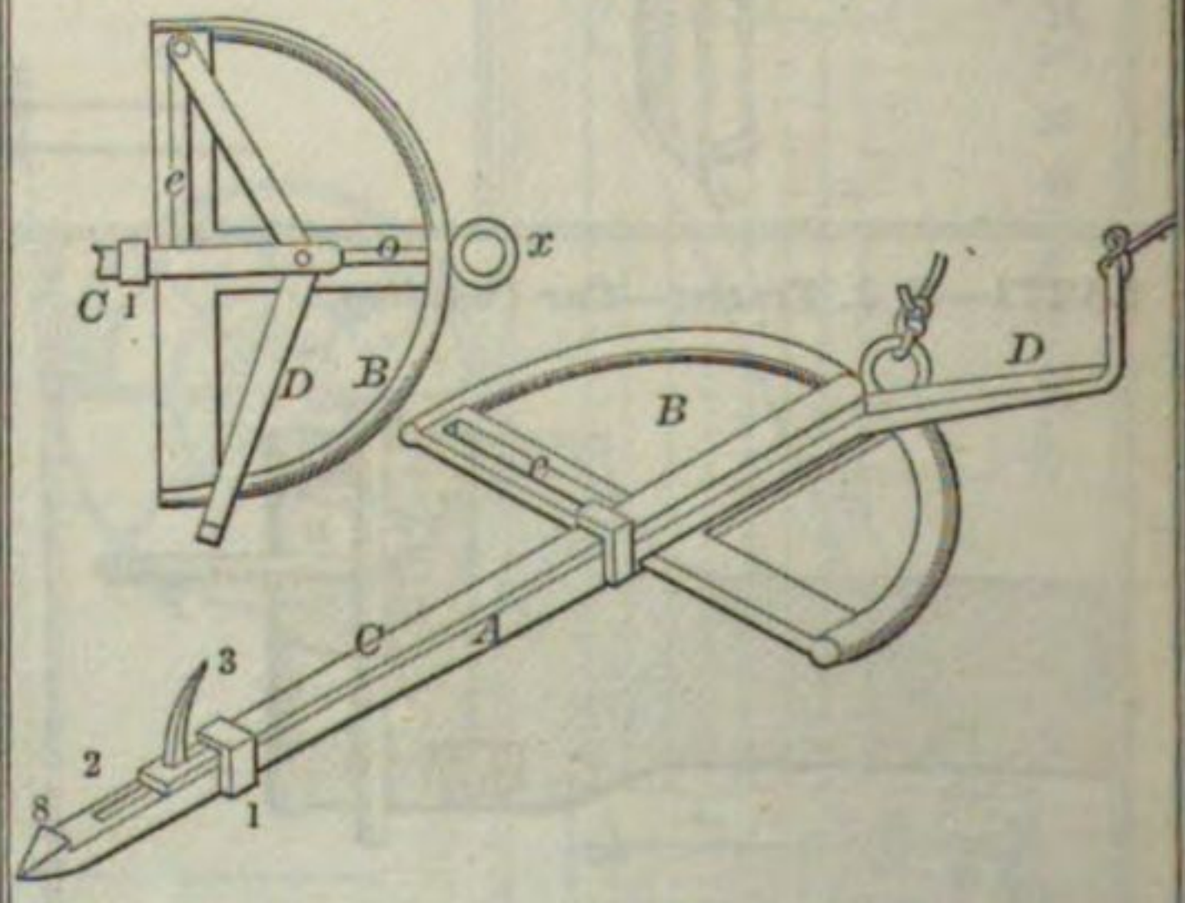


55277—S. F. Gates—*Rock Drill.*

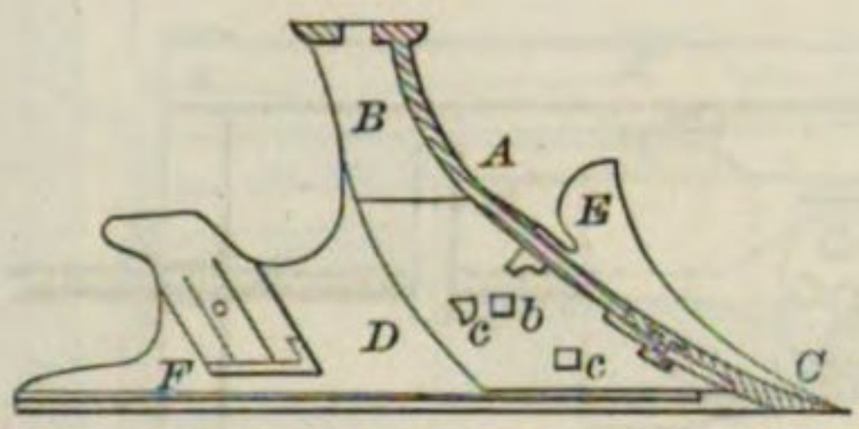
55273—H. L. Fulton—*For Amalgamating Gold and Silver with Lead.*



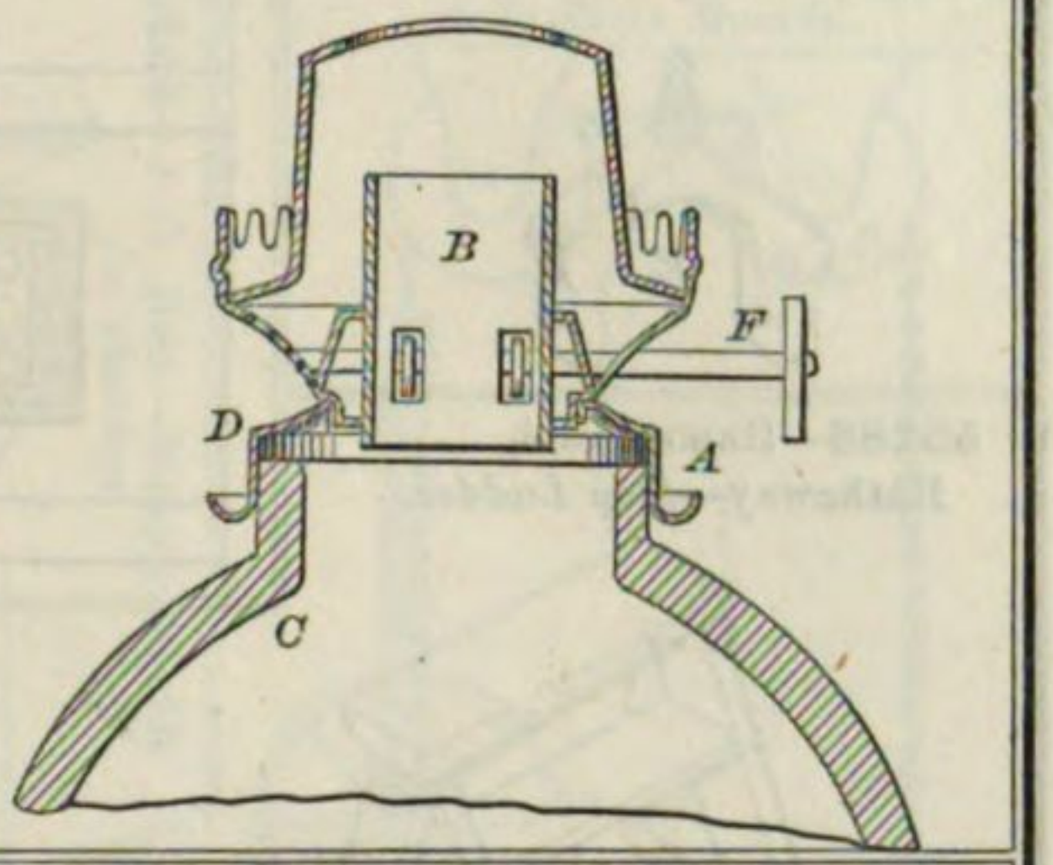
55278—E. Gilliam—*Horse Hay Fork.*



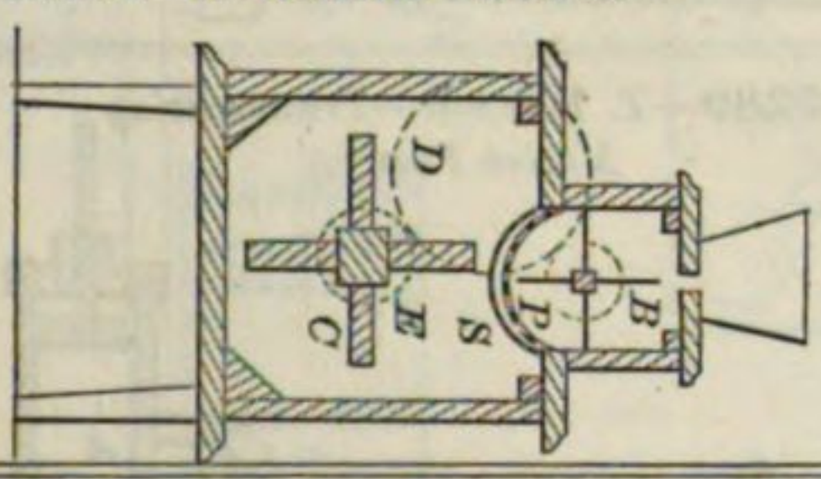
55279—Gilson & Martin—*Plow.*



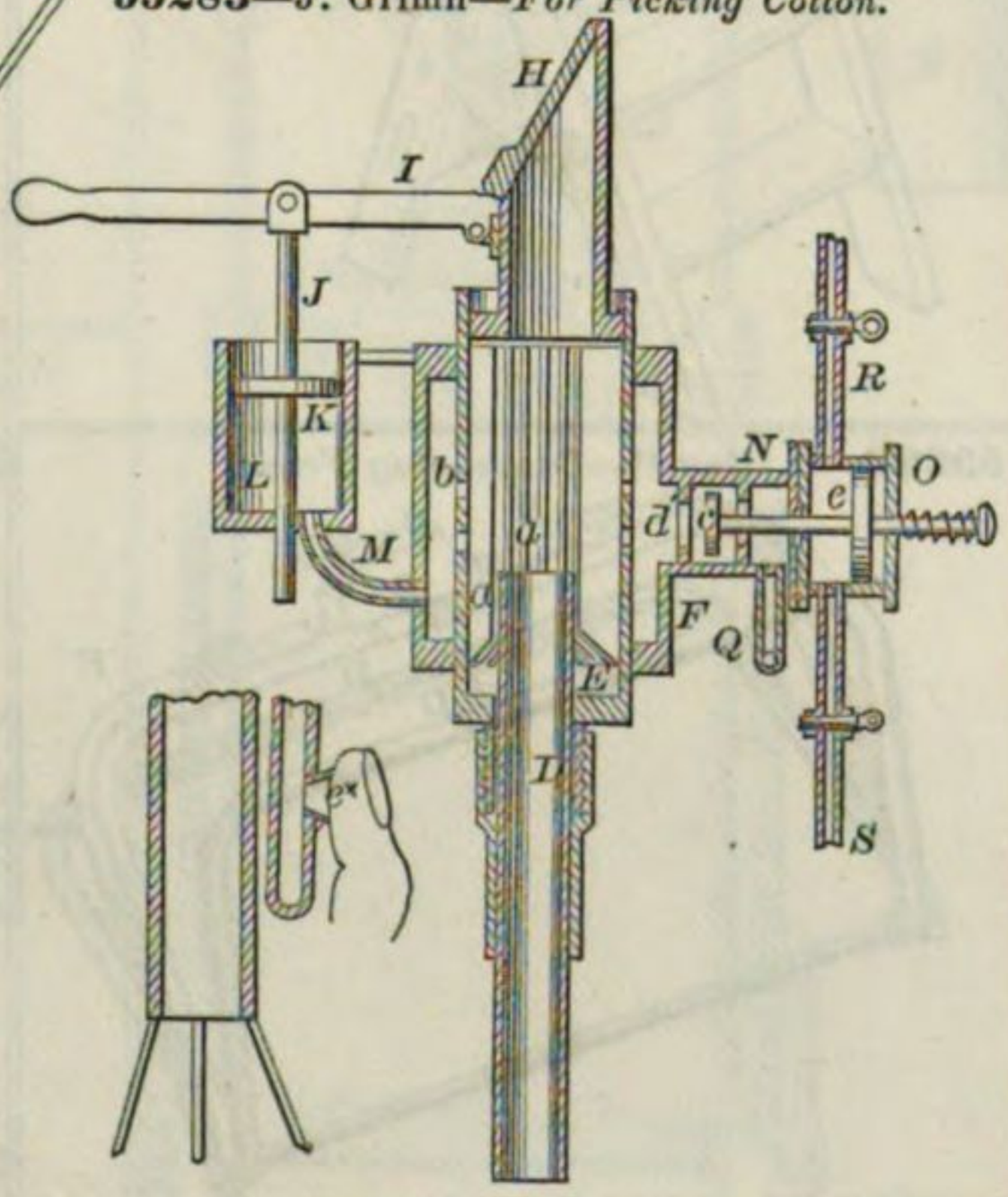
55280—R. A. Goodyear—*Lamp.*



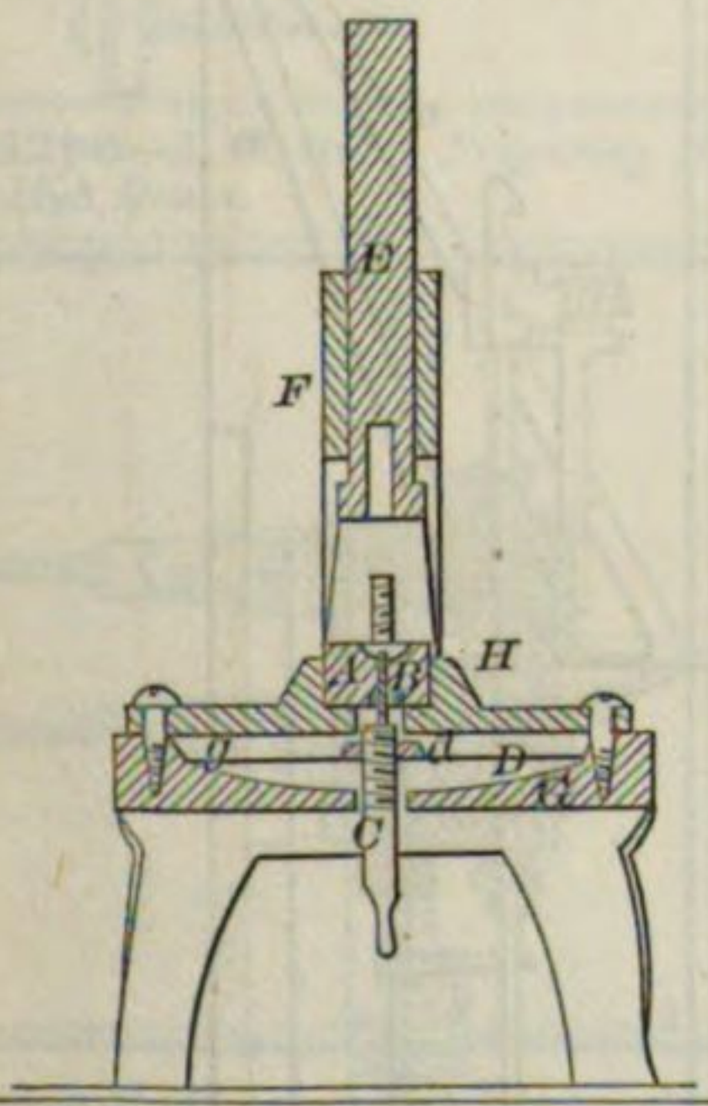
55281—B. Graham—*Churn.*



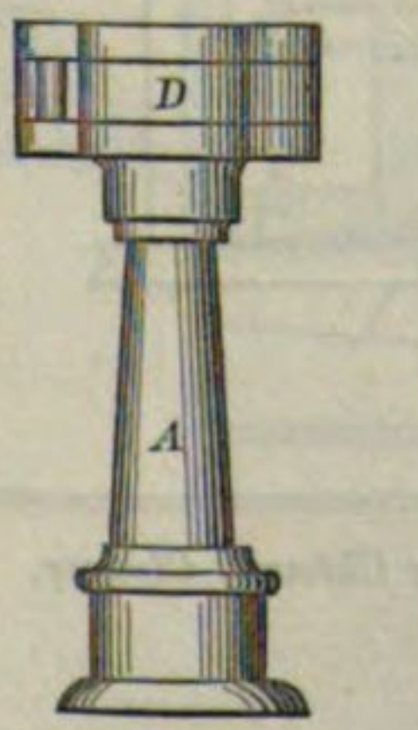
55283—J. Griffin—*For Picking Cotton.*



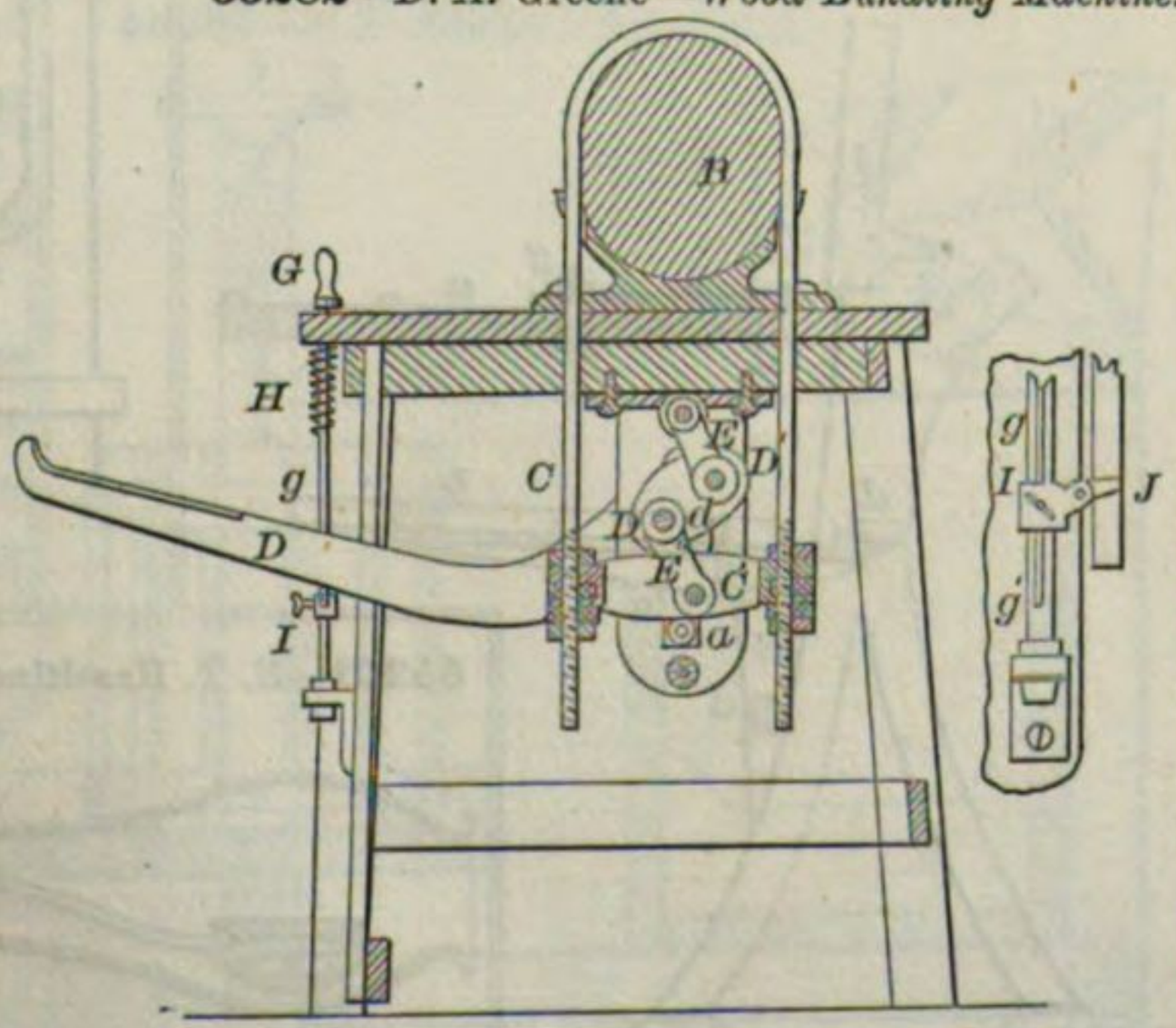
55284—C. T. Grilley—*Capping Wood Screws.*



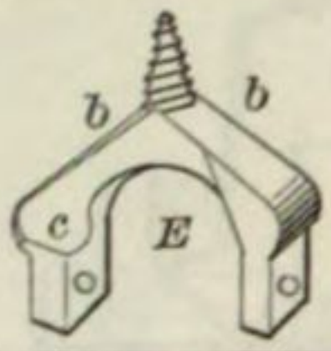
55285—W. Gurley— *Water Spreading Nozzle for Fire Engines*



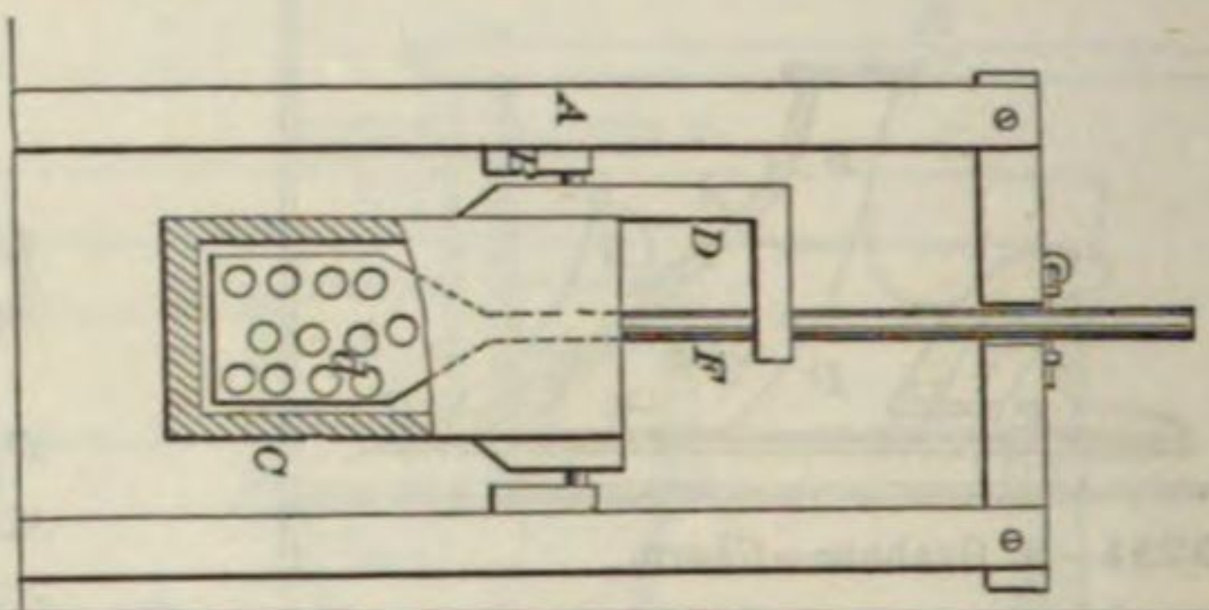
55282—D. A. Greene—*Wood Bundling Machine.*



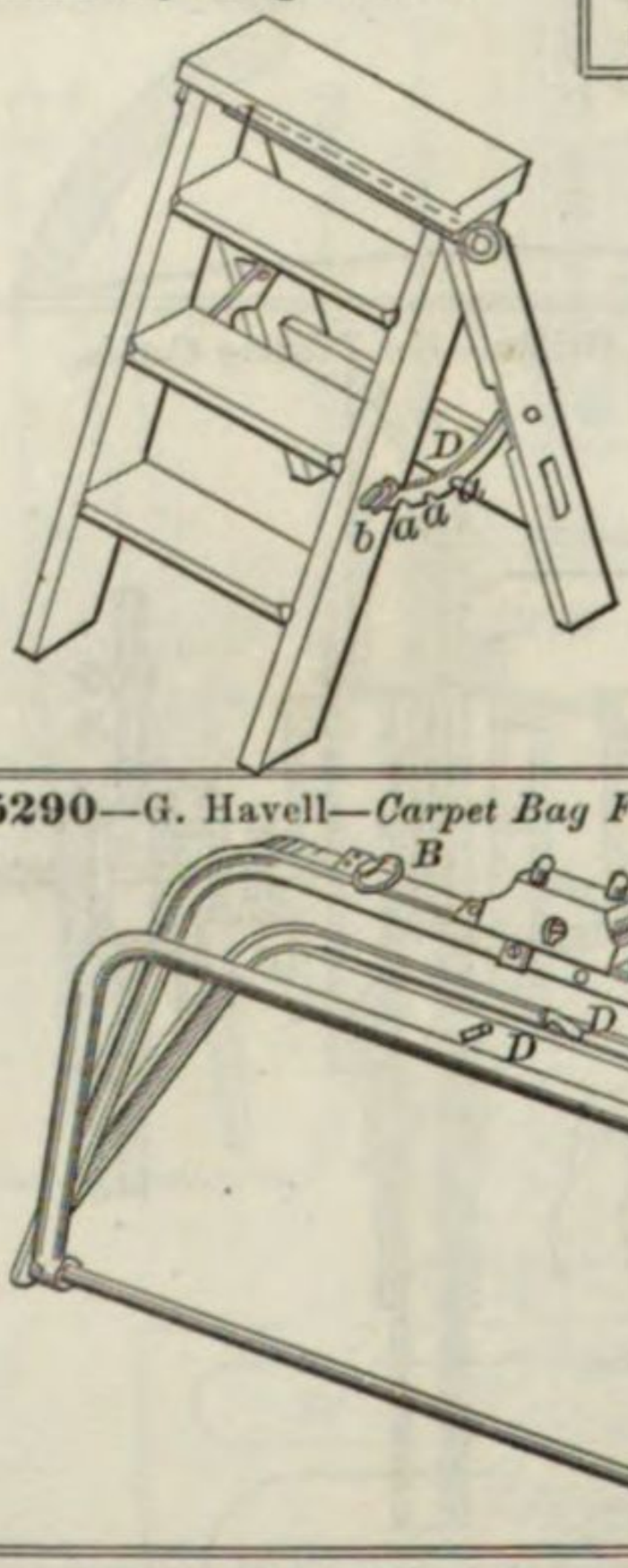
55286—S. N. Haight—*Self-Inserting Faucet.*



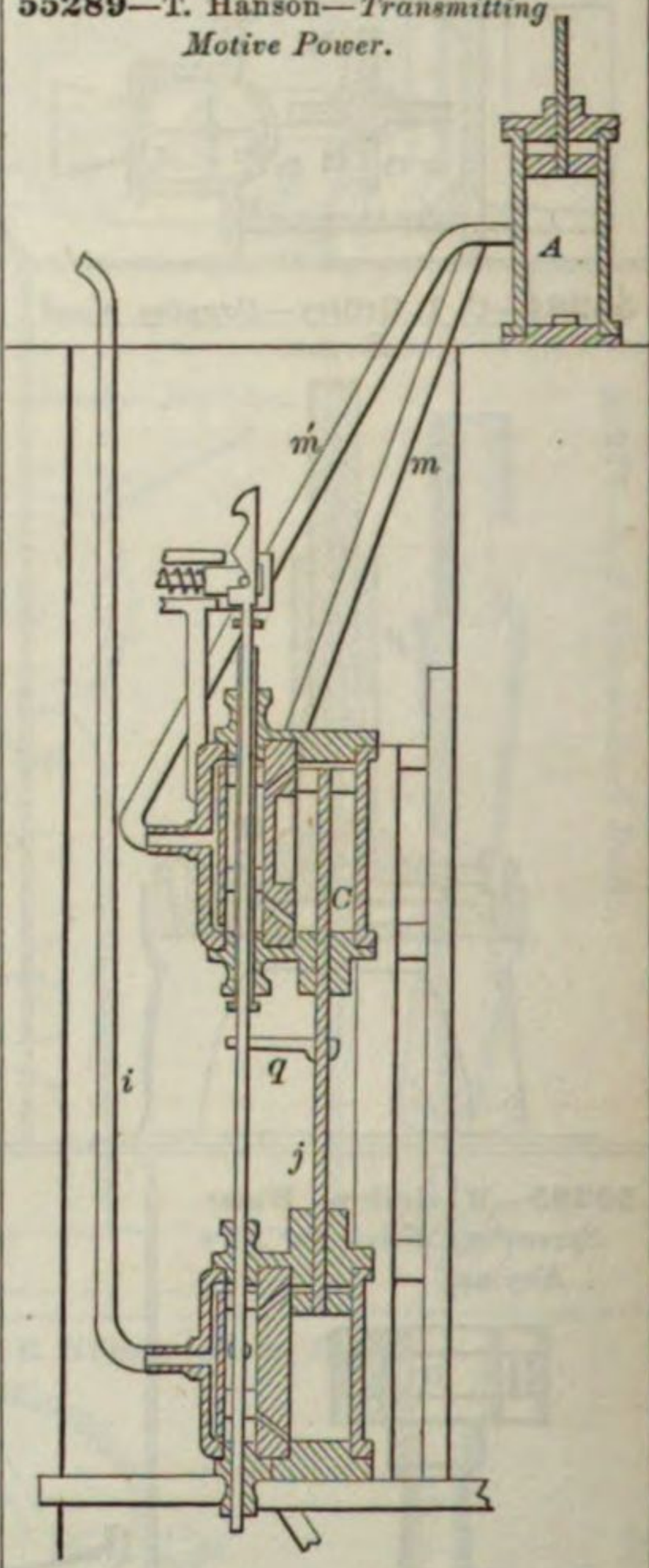
55287—A. W. Hall—*Churn.*



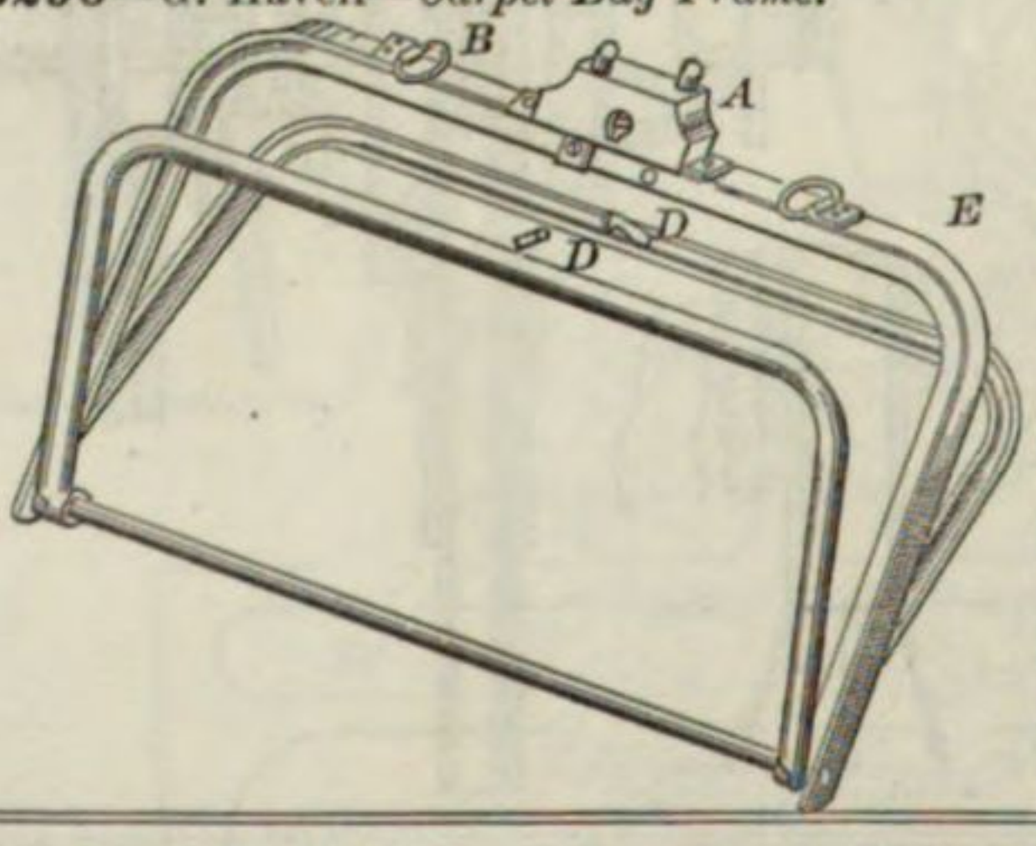
55288—Hammond & Hathaway—*Step Ladder.*



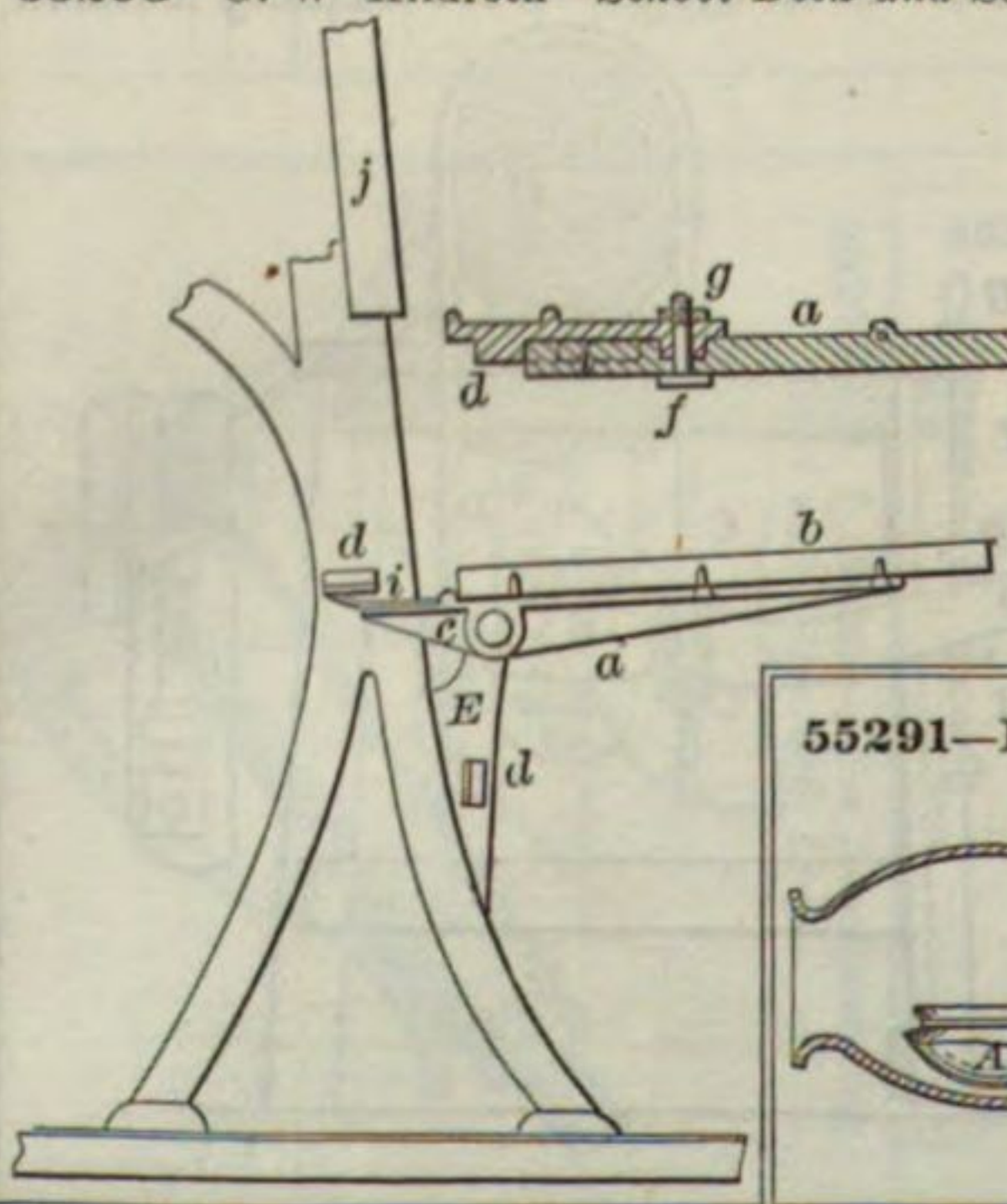
55289—T. Hanson—*Transmitting Motive Power.*



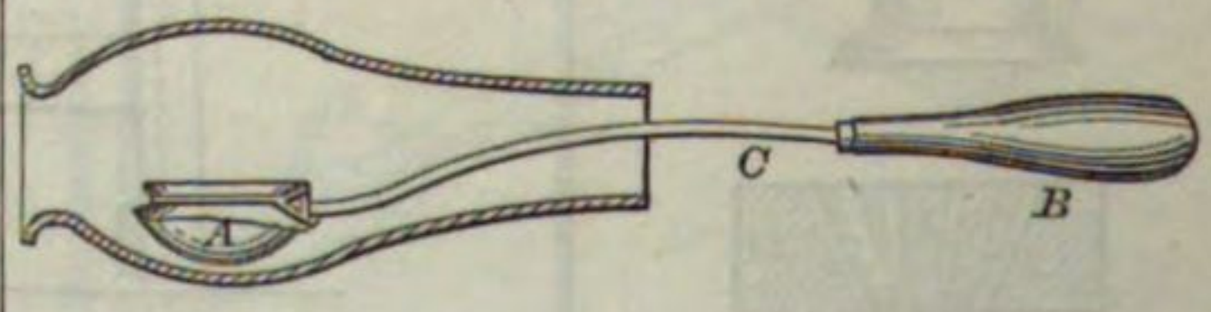
55290—G. Havell—*Carpet Bag Frame.*



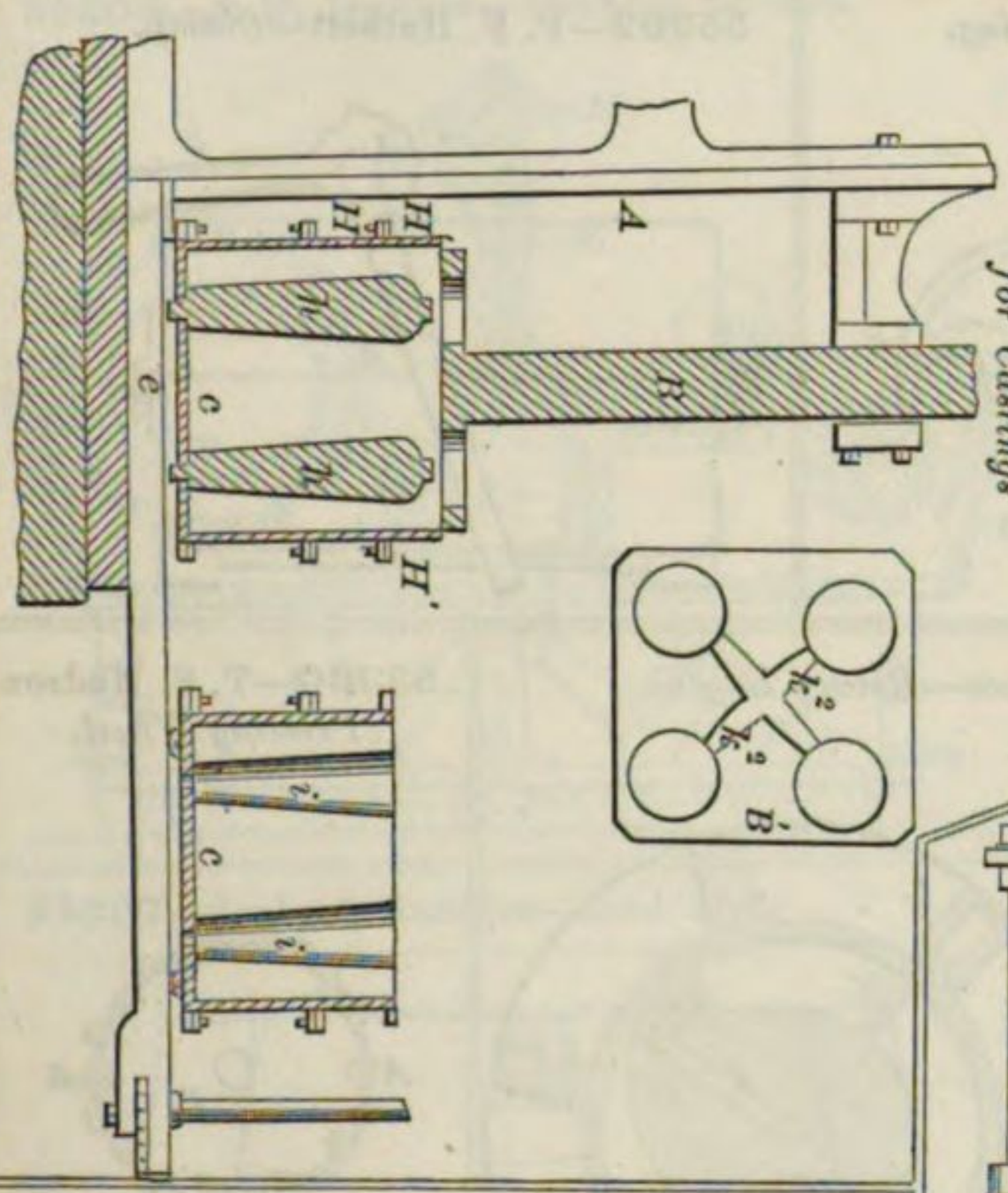
55293—G. W Hildreth—*School Desk and Seat.*



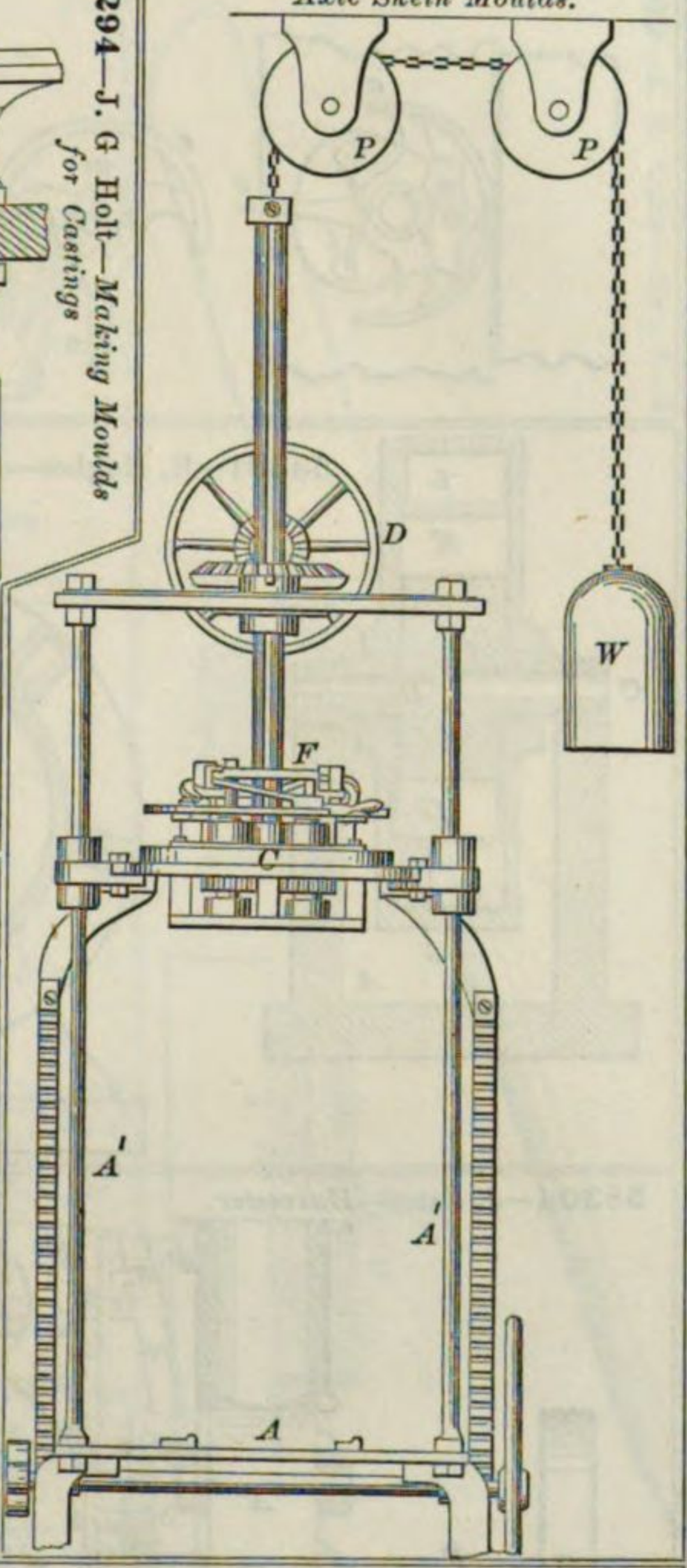
55291—E. T. Hazeltine—*Lamp Chimney Cleaner.*



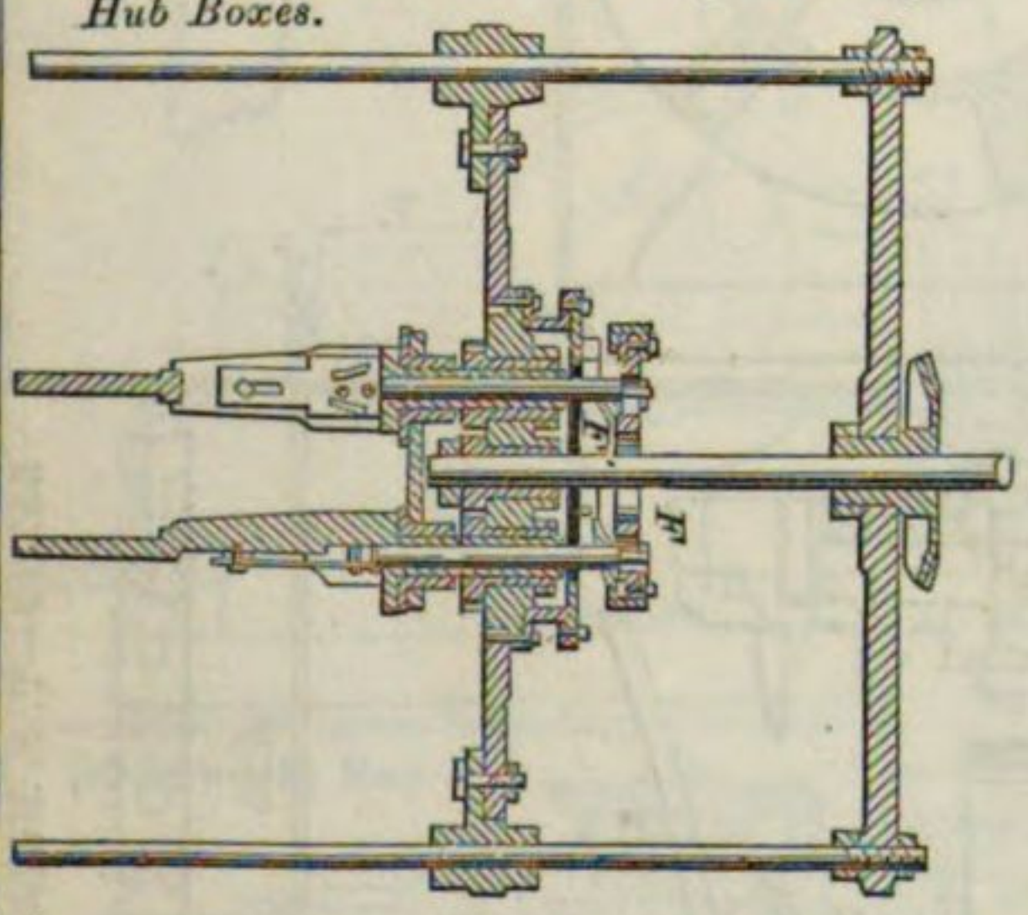
55294—J. G. Holt—*Making Moulds for Castings*



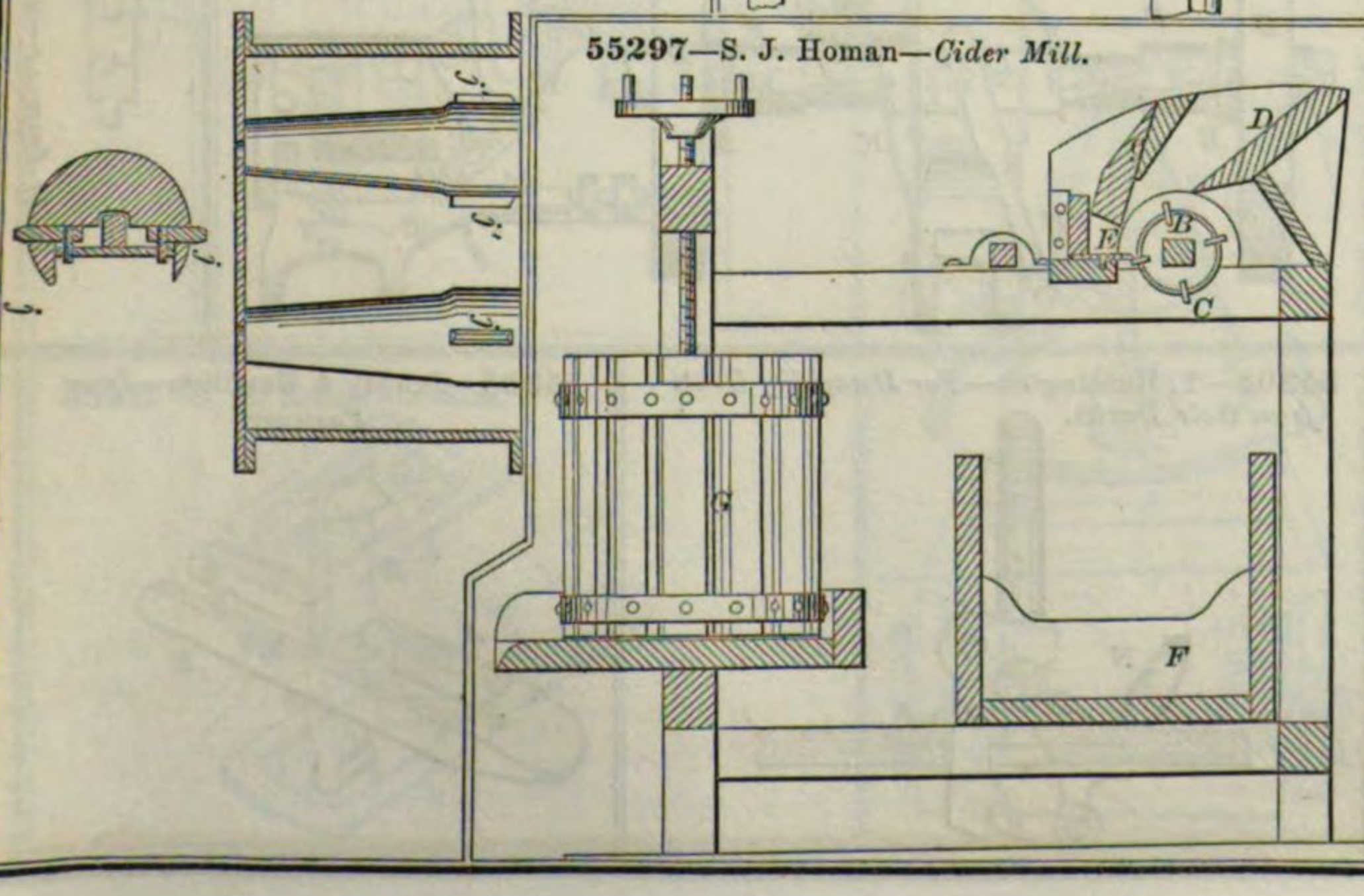
55295—J. G. Holt—*For Preparing Axle Skein Moulds.*



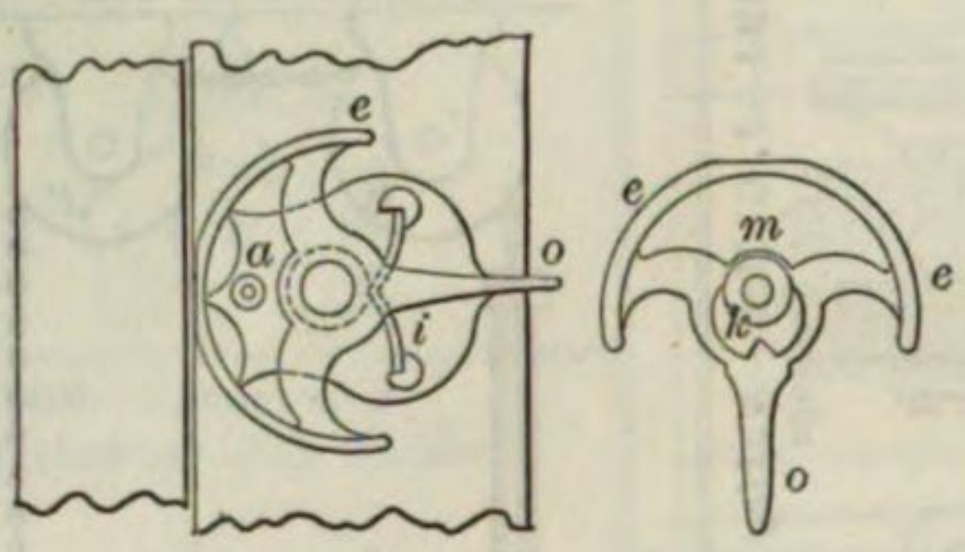
55296—J. G. Holt—*Preparing Moulds for Hub Boxes.*



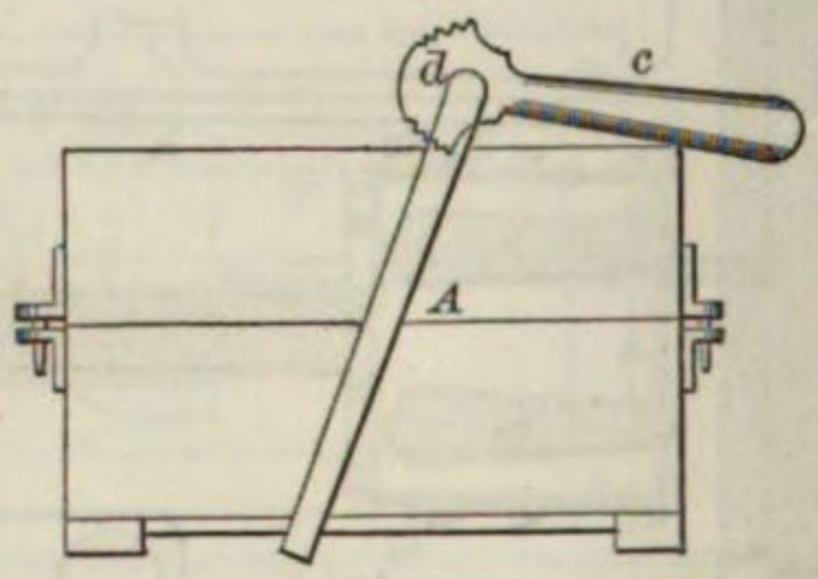
55297—S. J. Homan—*Cider Mill.*



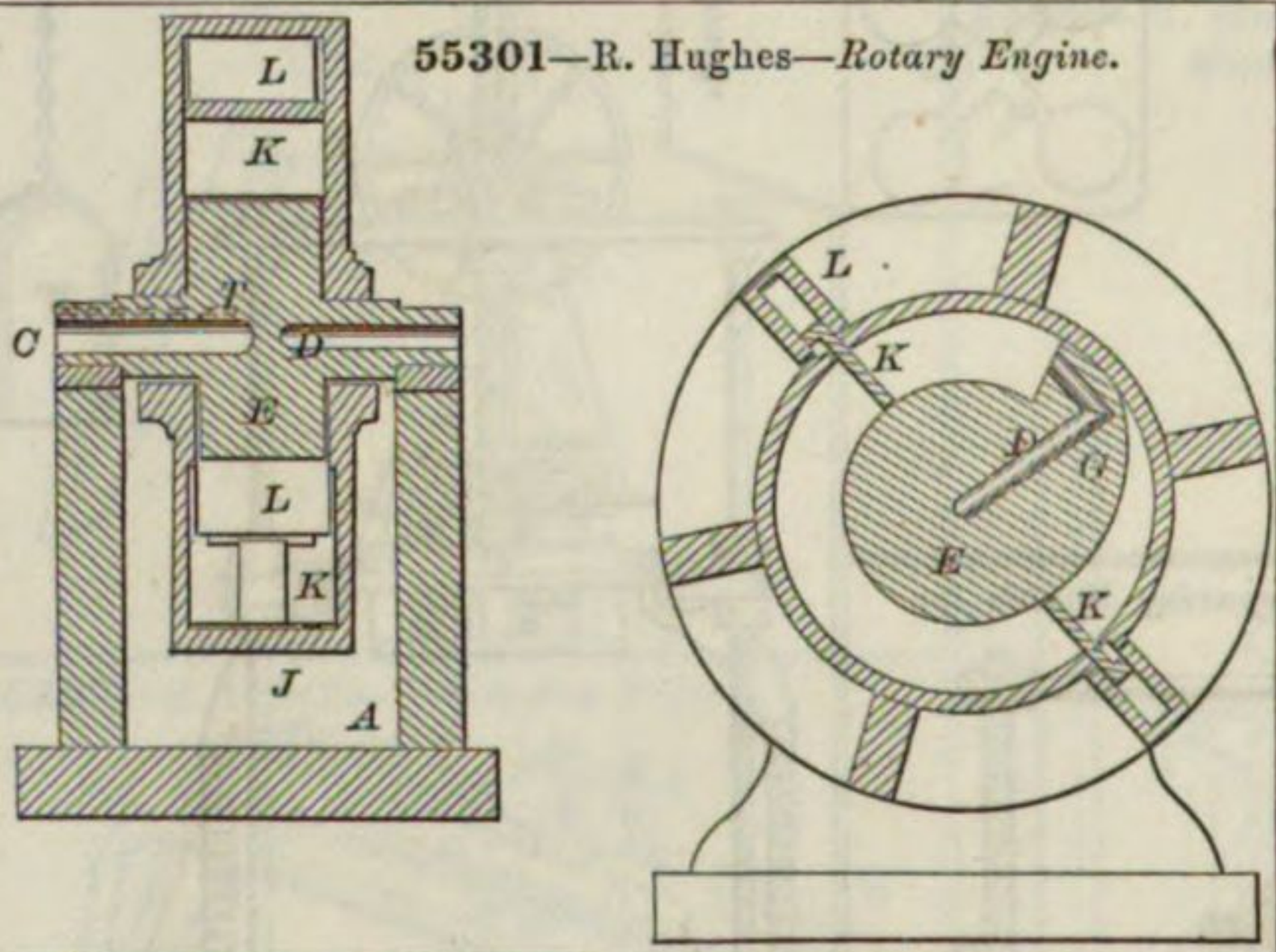
55298—W. W. Hosford—*Sash Fastening.*



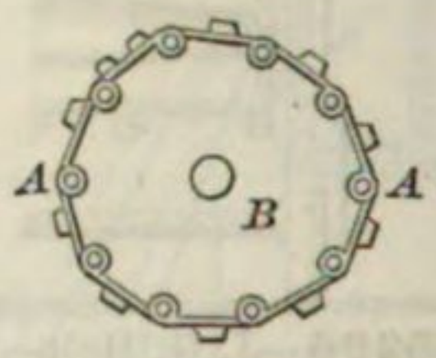
55302—P. F. Hulbert—*Clamp.*



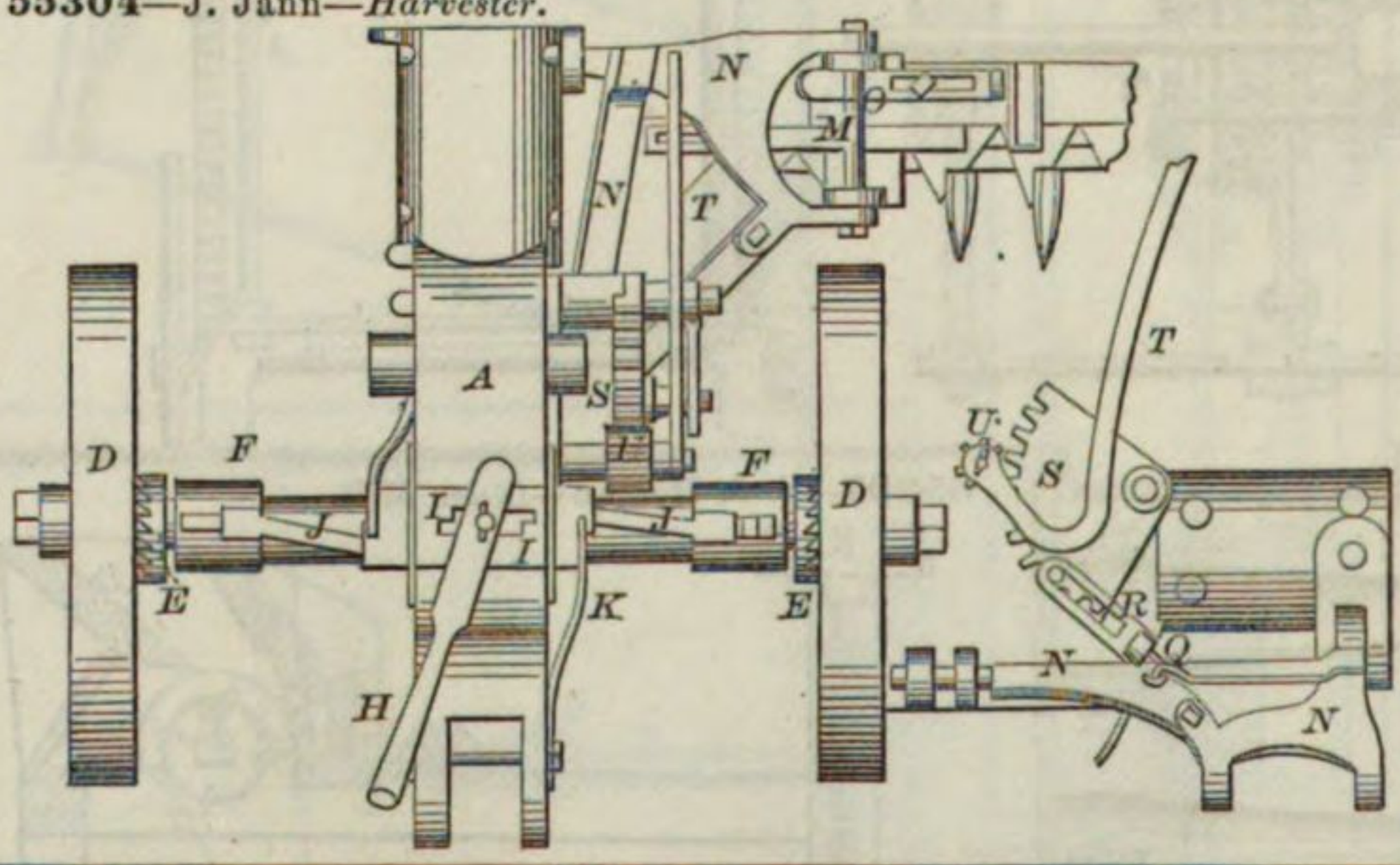
55301—R. Hughes—*Rotary Engine.*



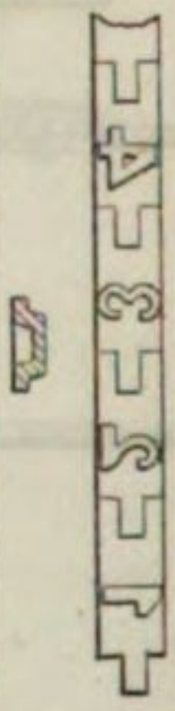
55300—T. S. Hudson—*Printing Wheel.*



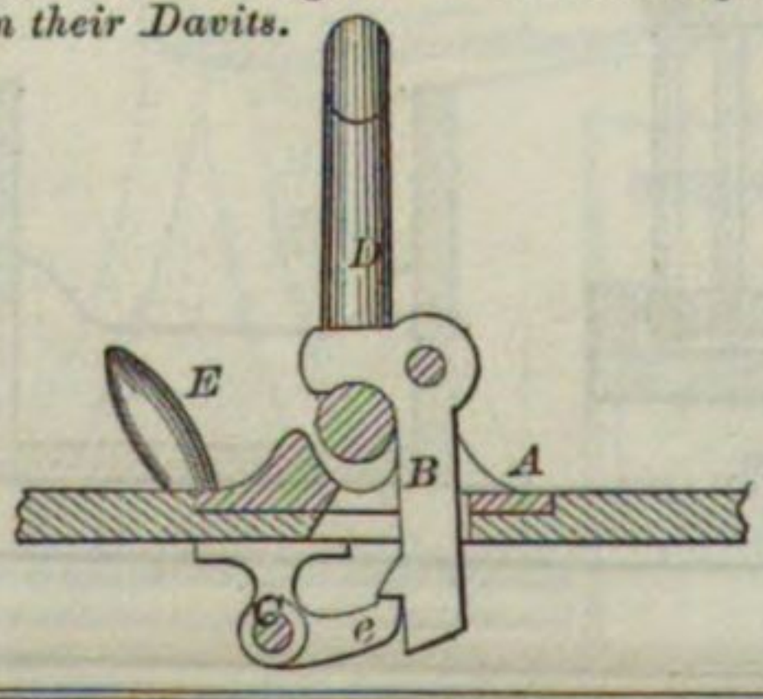
55304—J. Jann—*Harvester.*



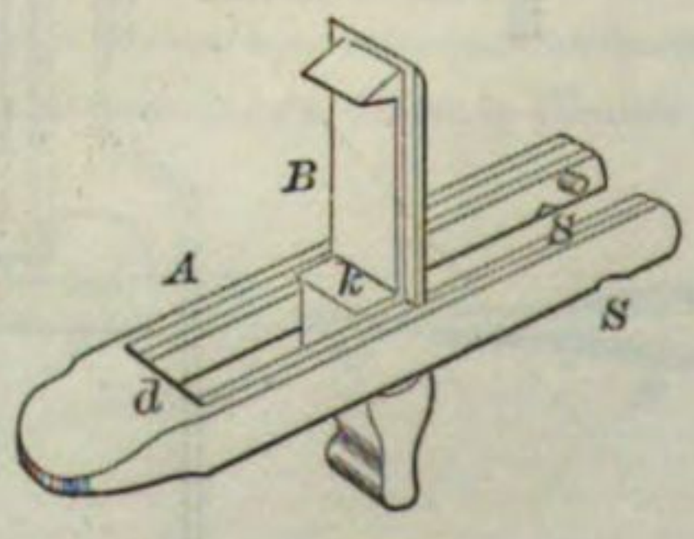
55299—T. S. Hudson—*Printing Type.*



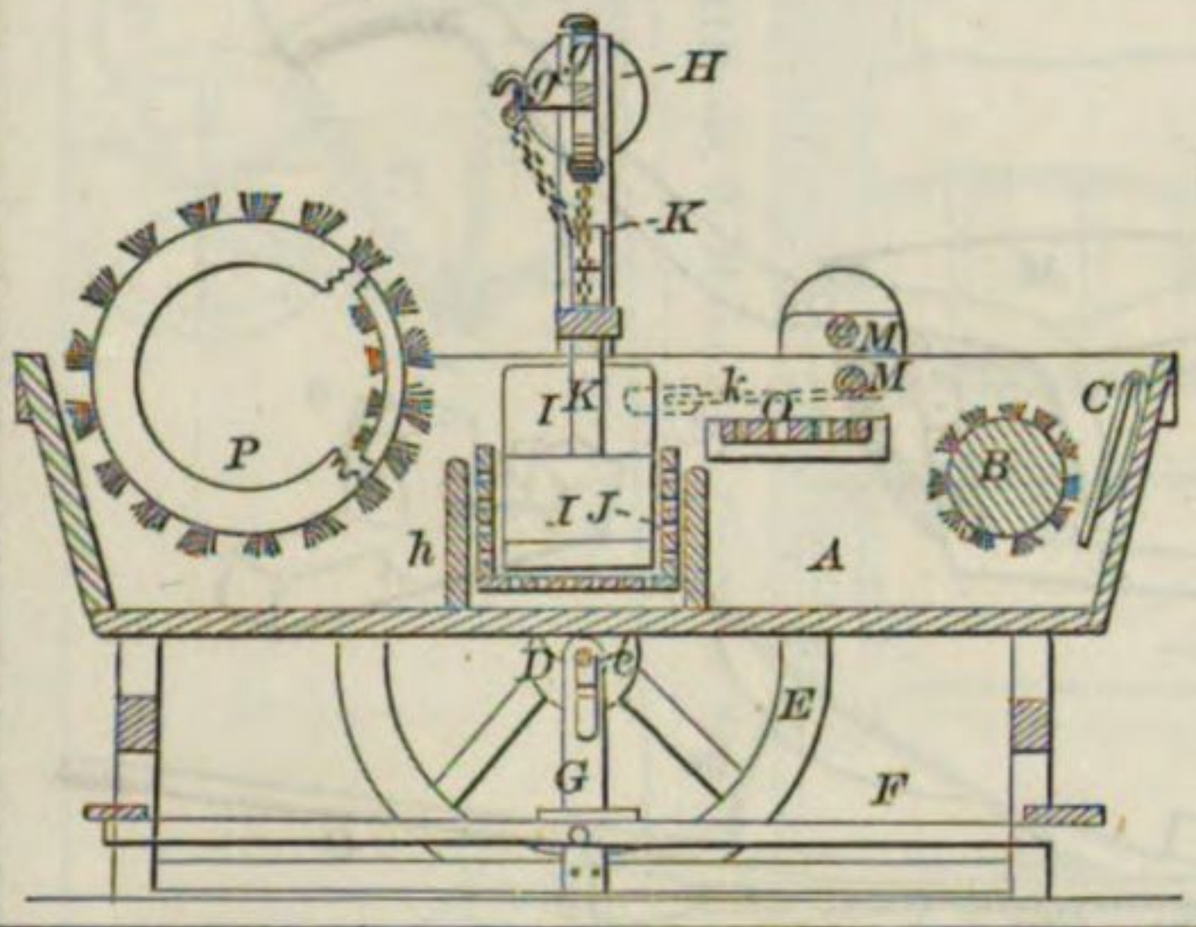
55303—T. Huntington—*For Detaching Boats from their Davits.*



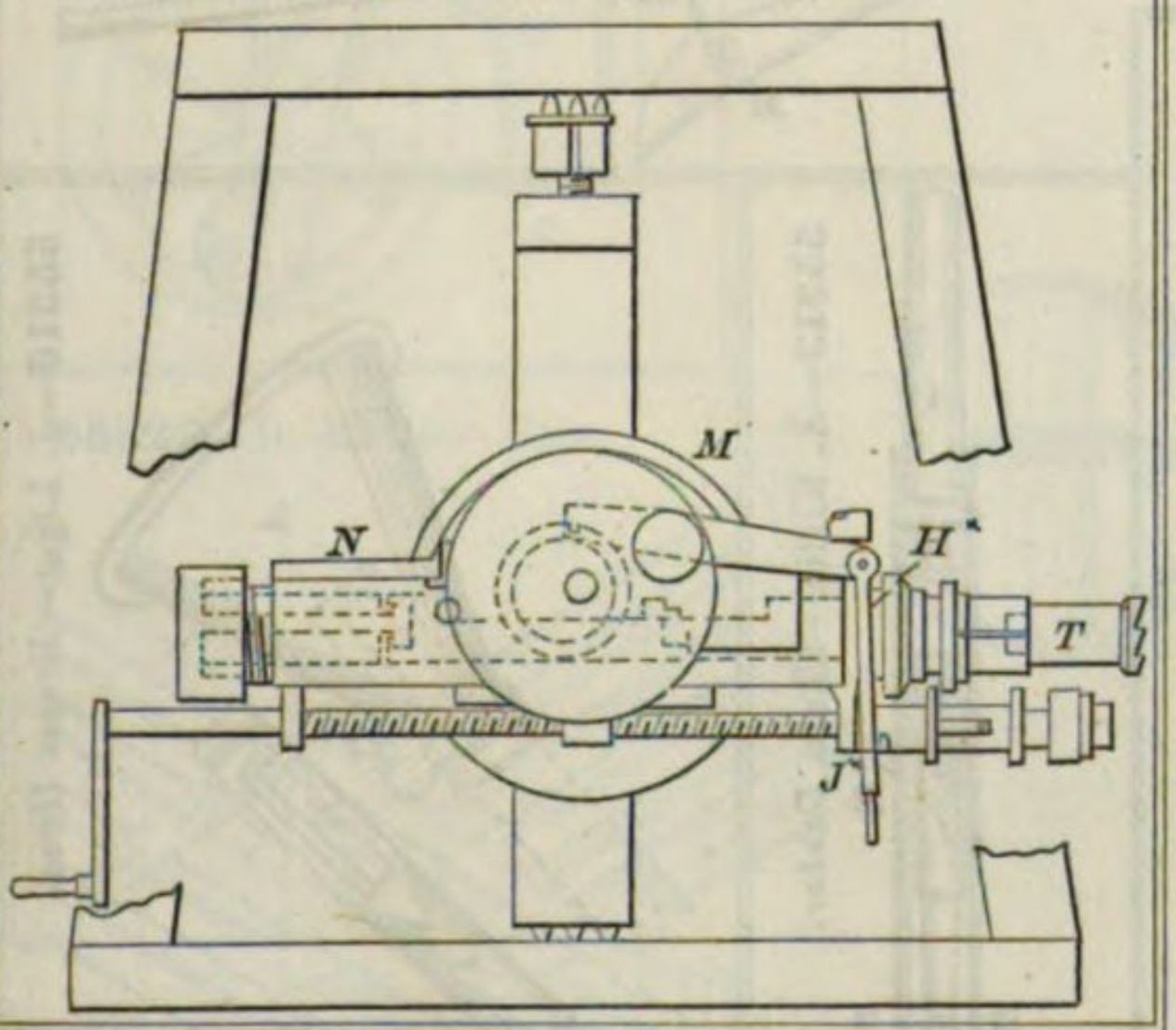
55305—Janney & Hamilton—*Door Fastener*



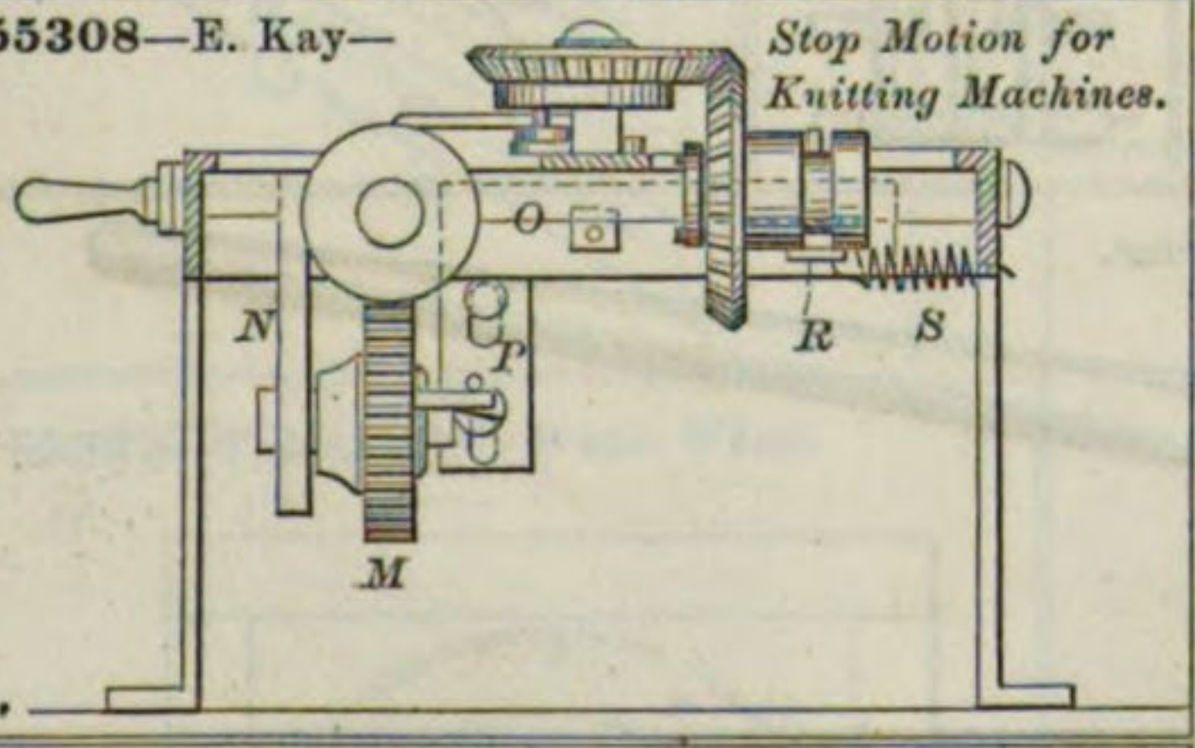
55306—J. H. Jenkins—*Washing Machine.*



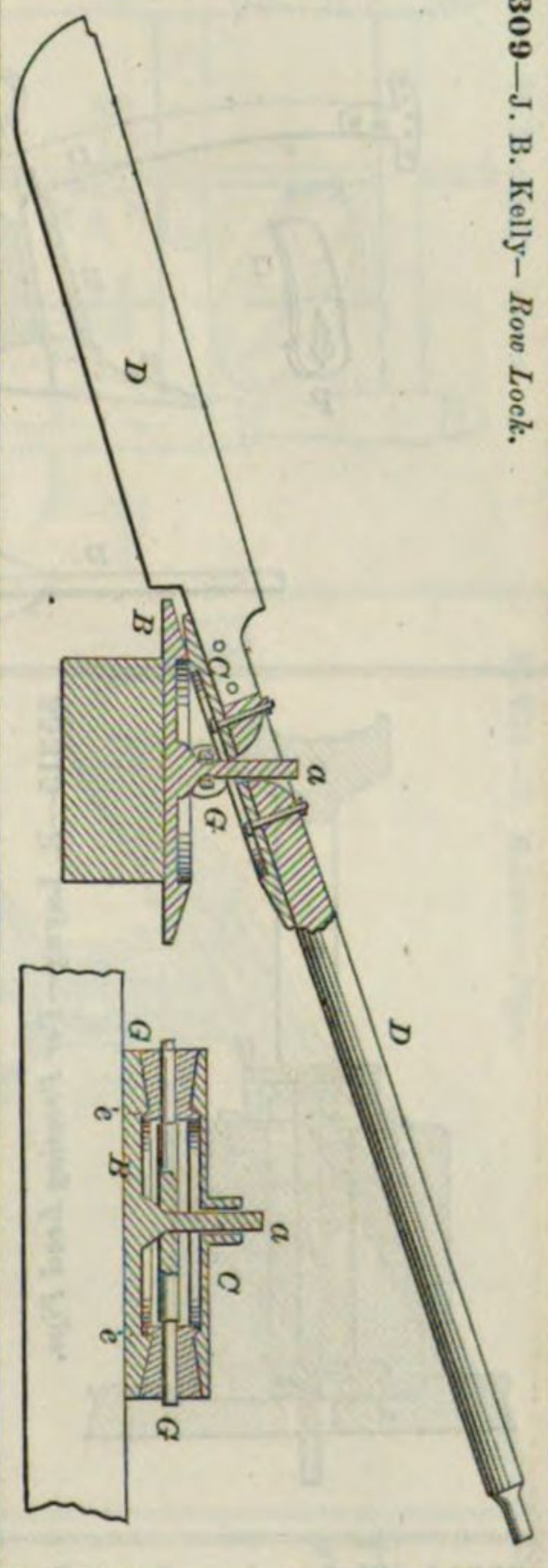
55307—Jenks & Gardner—*Rock Drill*



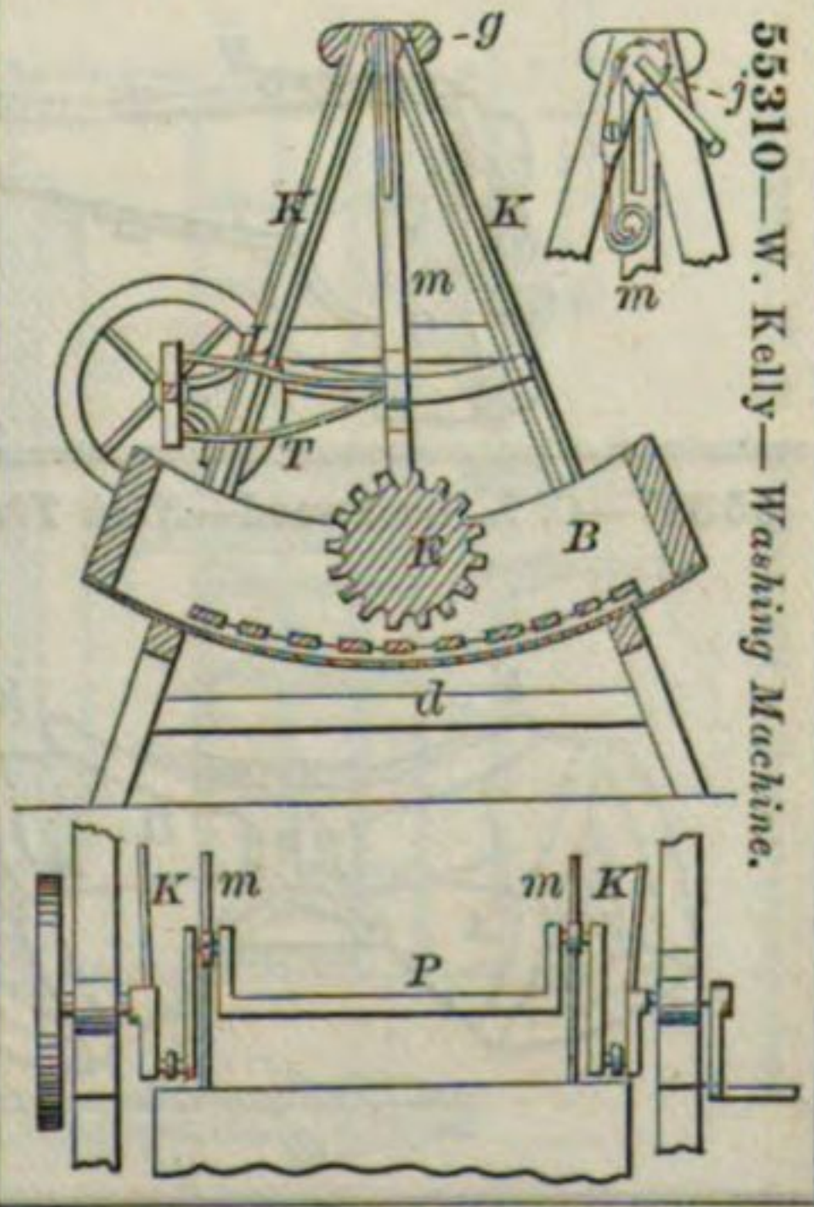
55308—E. Kay—*Stop Motion for Knitting Machines.*



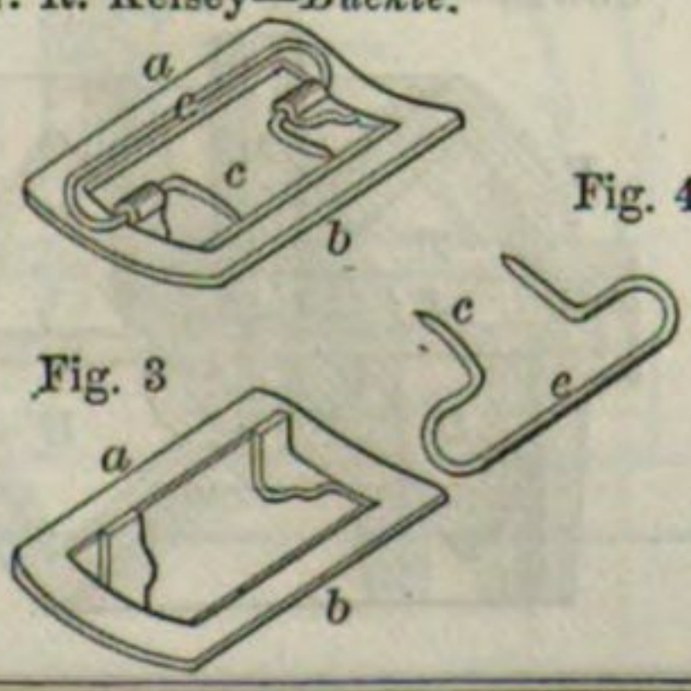
55309—J. B. Kelly—*Row Lock.*



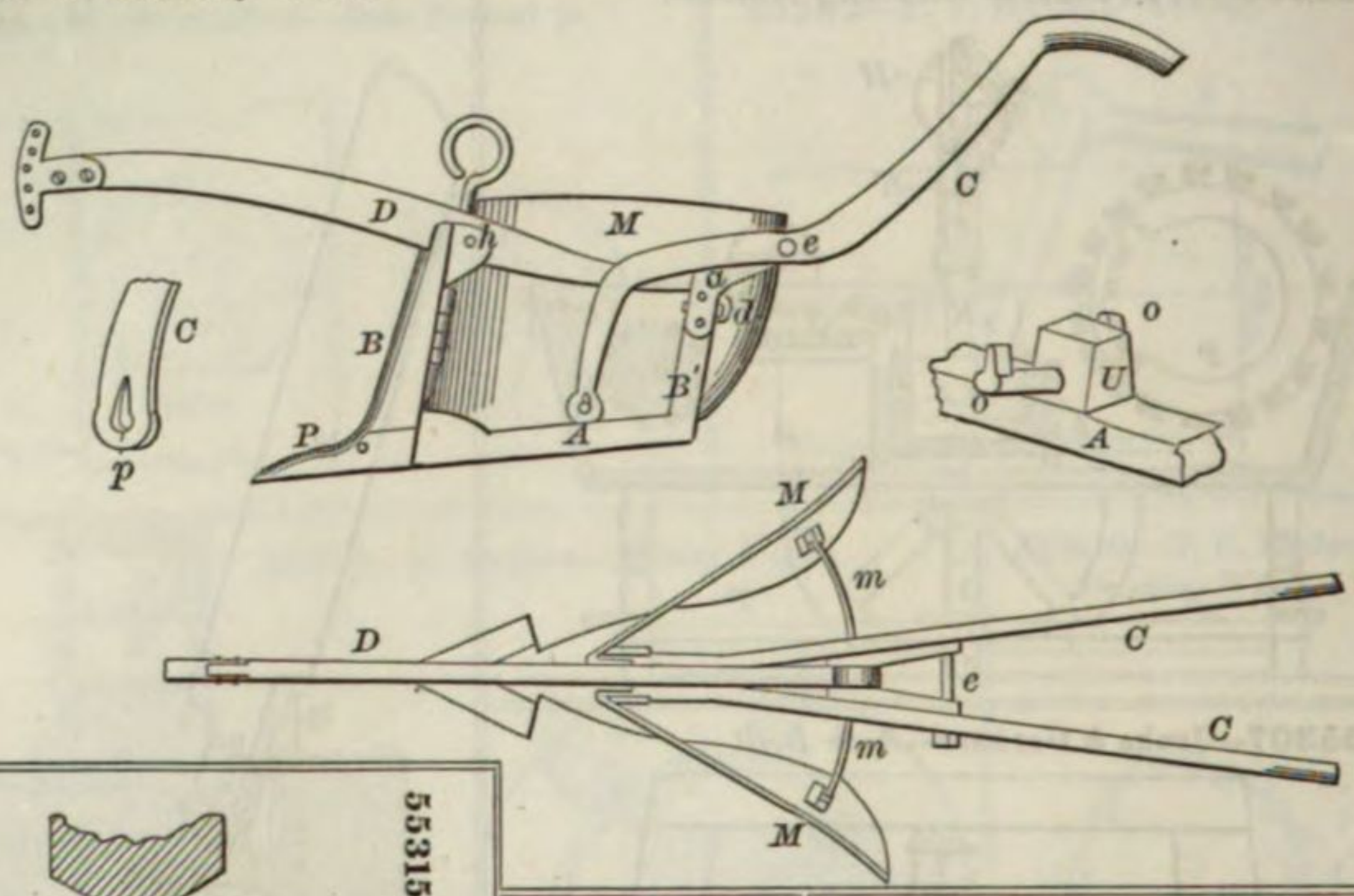
55310—W. Kelly—*Washing Machine.*



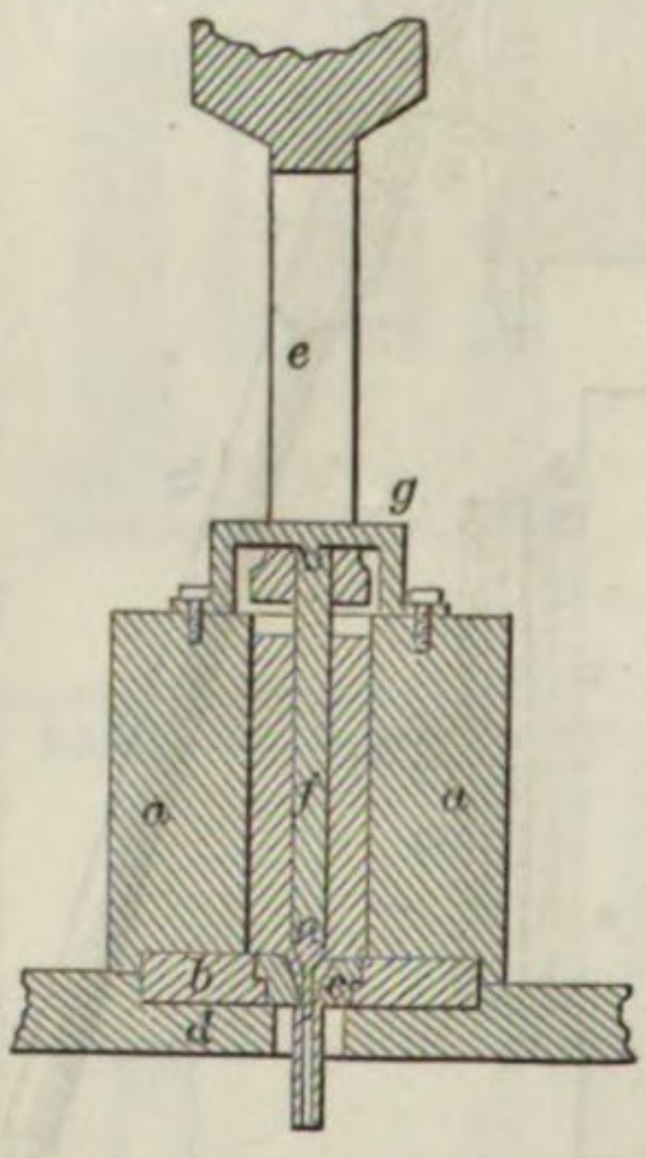
55311—G. R. Kelsey—*Buckle.*



55312—M. Kennedy—*Plow.*

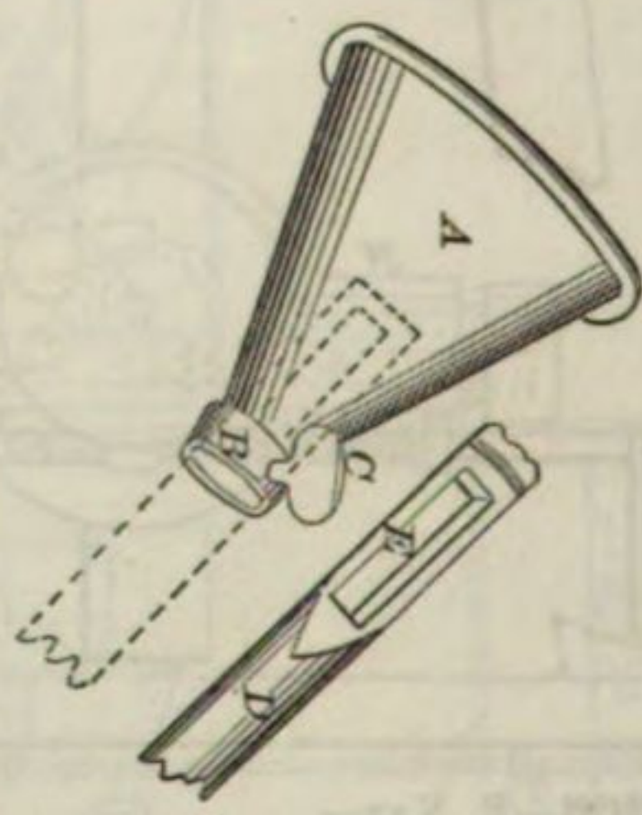


55315—R. Layng—*For Pressing Lead Pipe.*

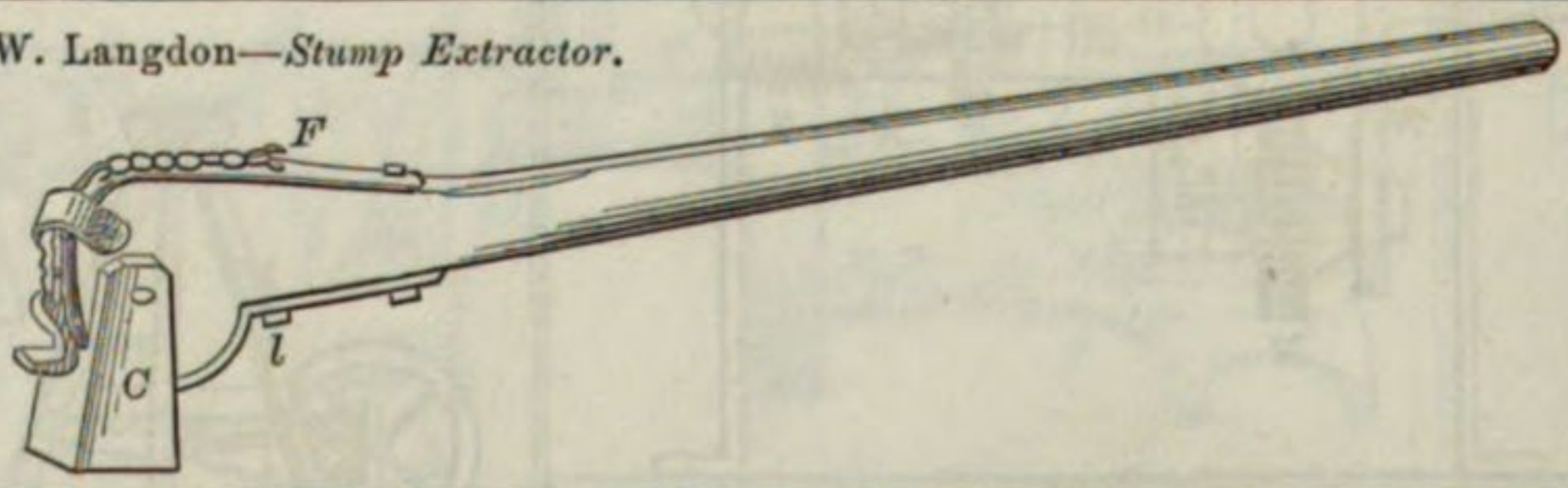


55313—A. Kirlin—*Churn Dasher.*

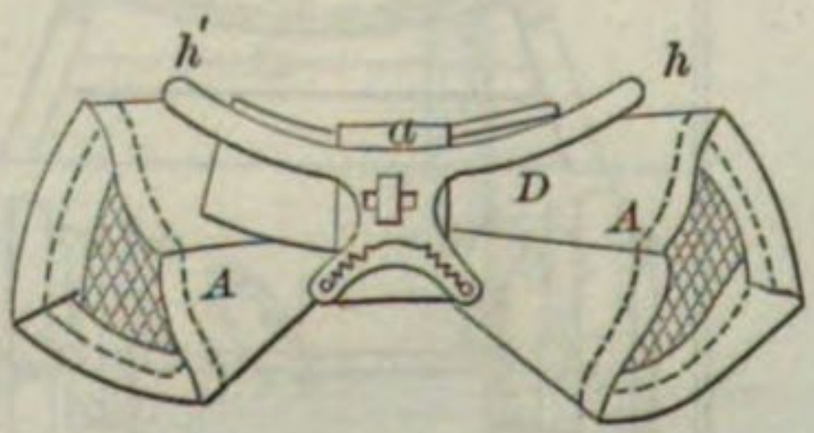
55316—J. Liget—*Broom Head.*



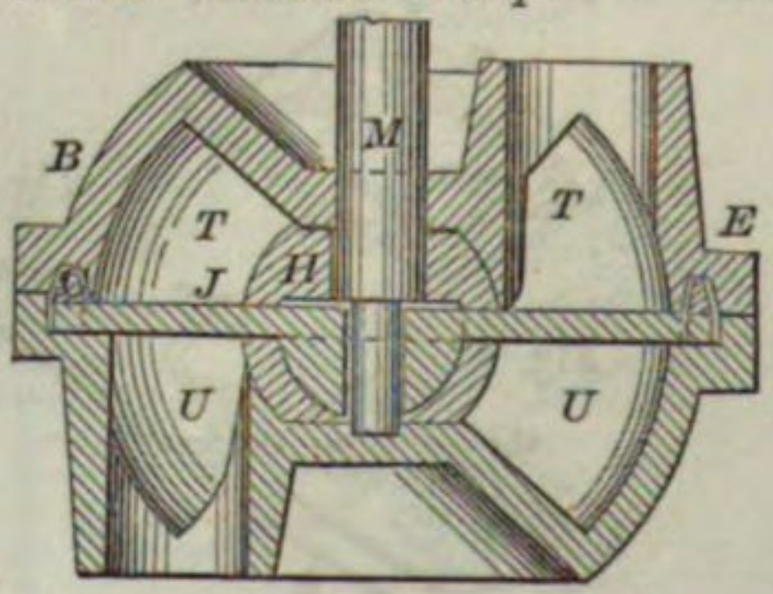
55314—W. Langdon—*Stump Extractor.*



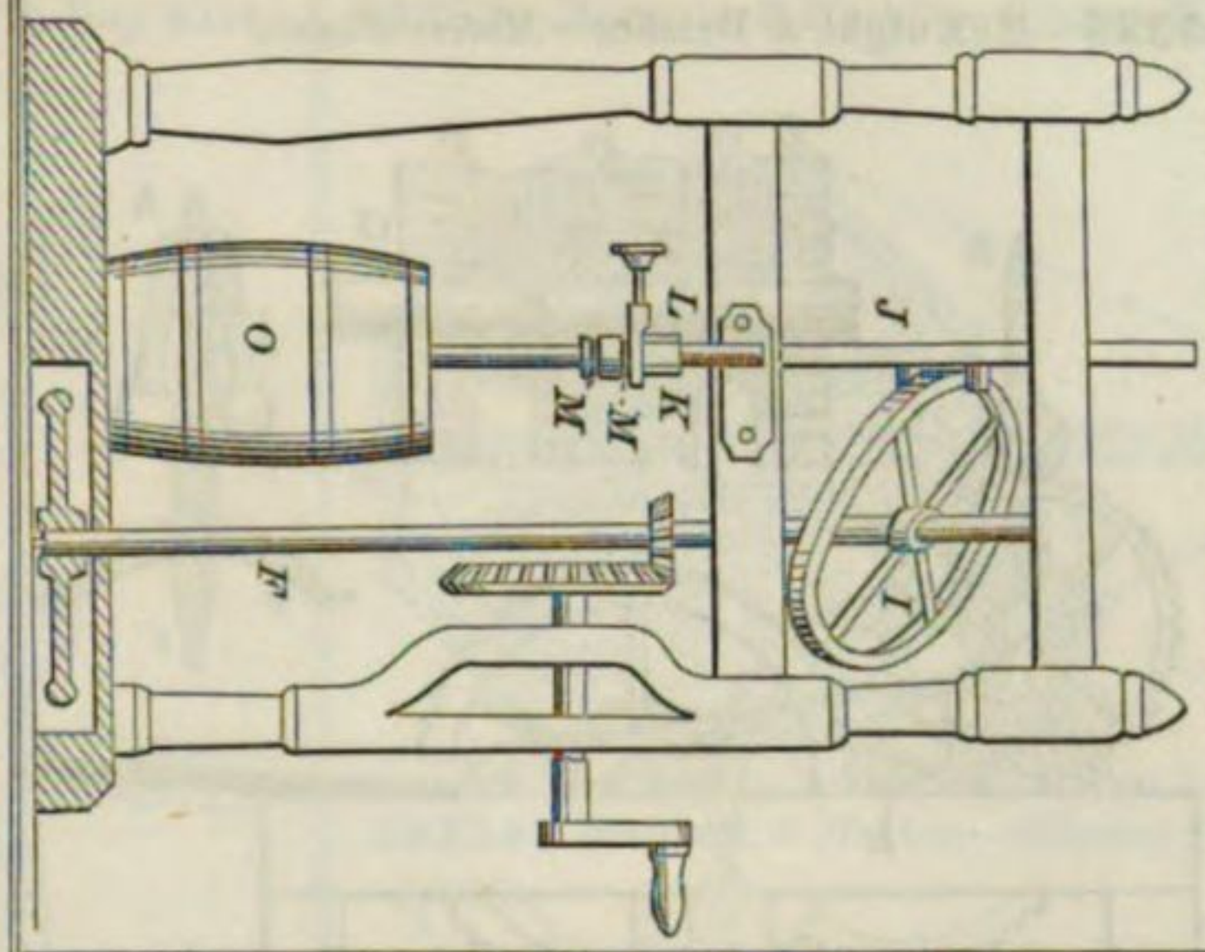
55317—C. L. Lockwood—*Neck Tie Supporter.*



55318—H. Maas—*Pump.*

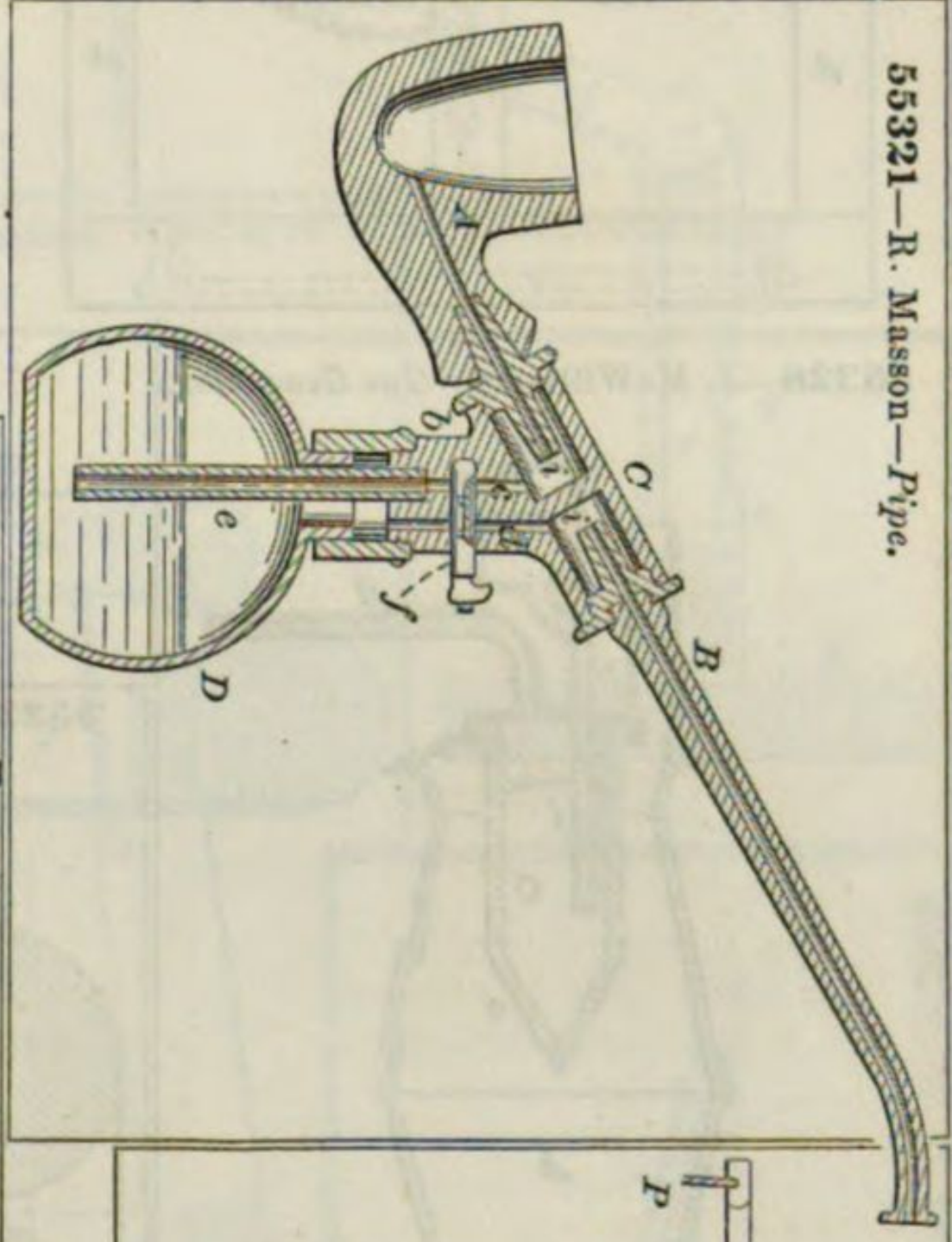


55320—D. Marshall—*Churn.*

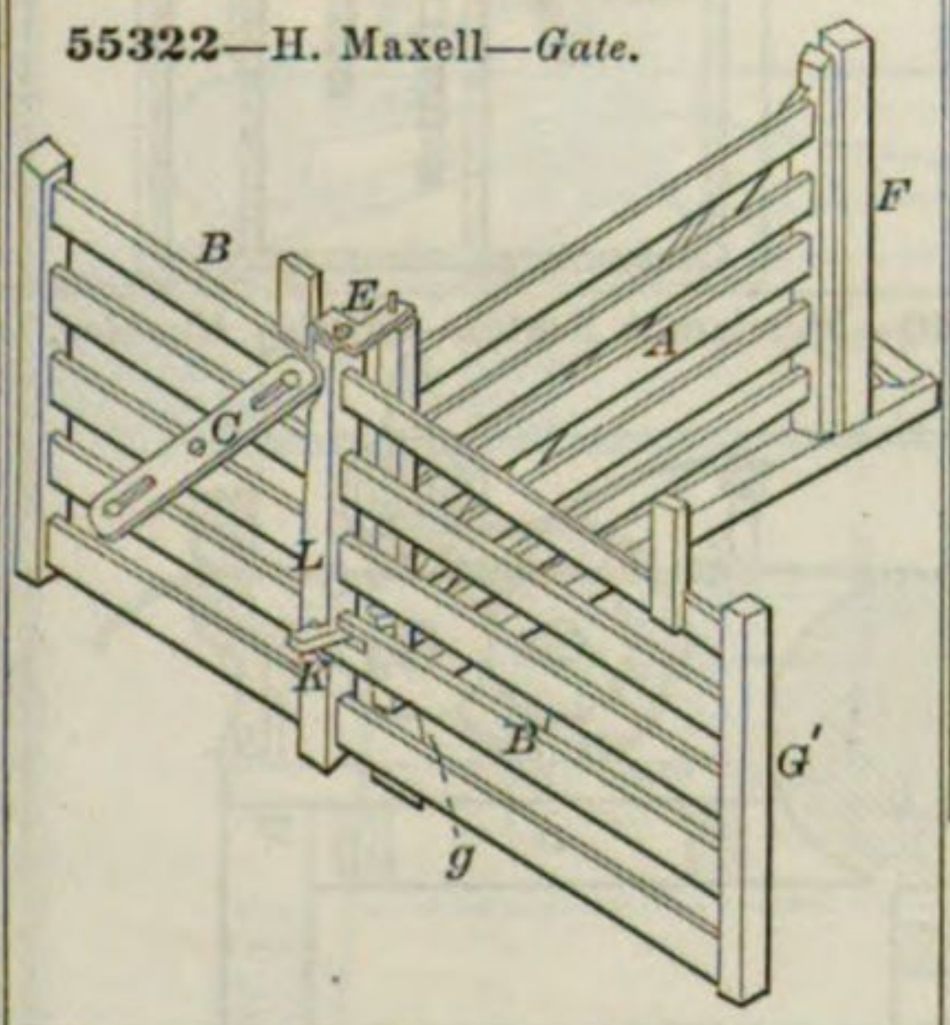


55319—G. S. Manning—*Carriage Spring.*

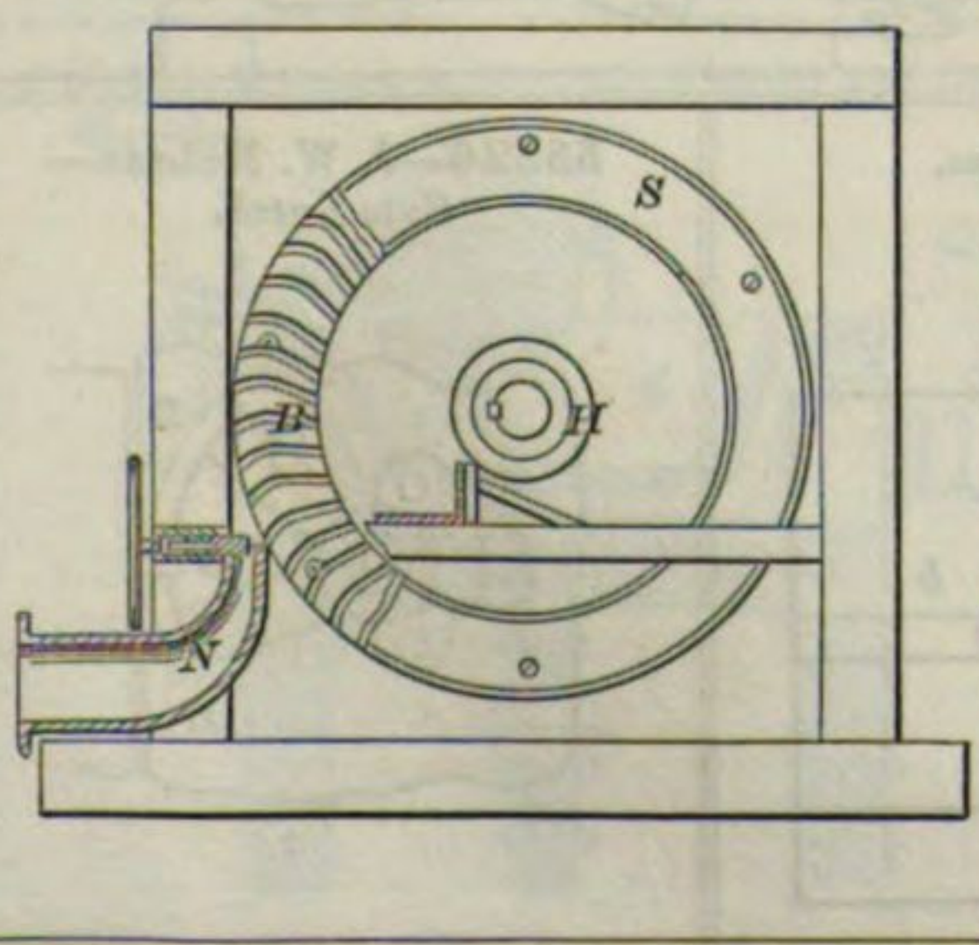
55321—R. Masson—*Pipe.*



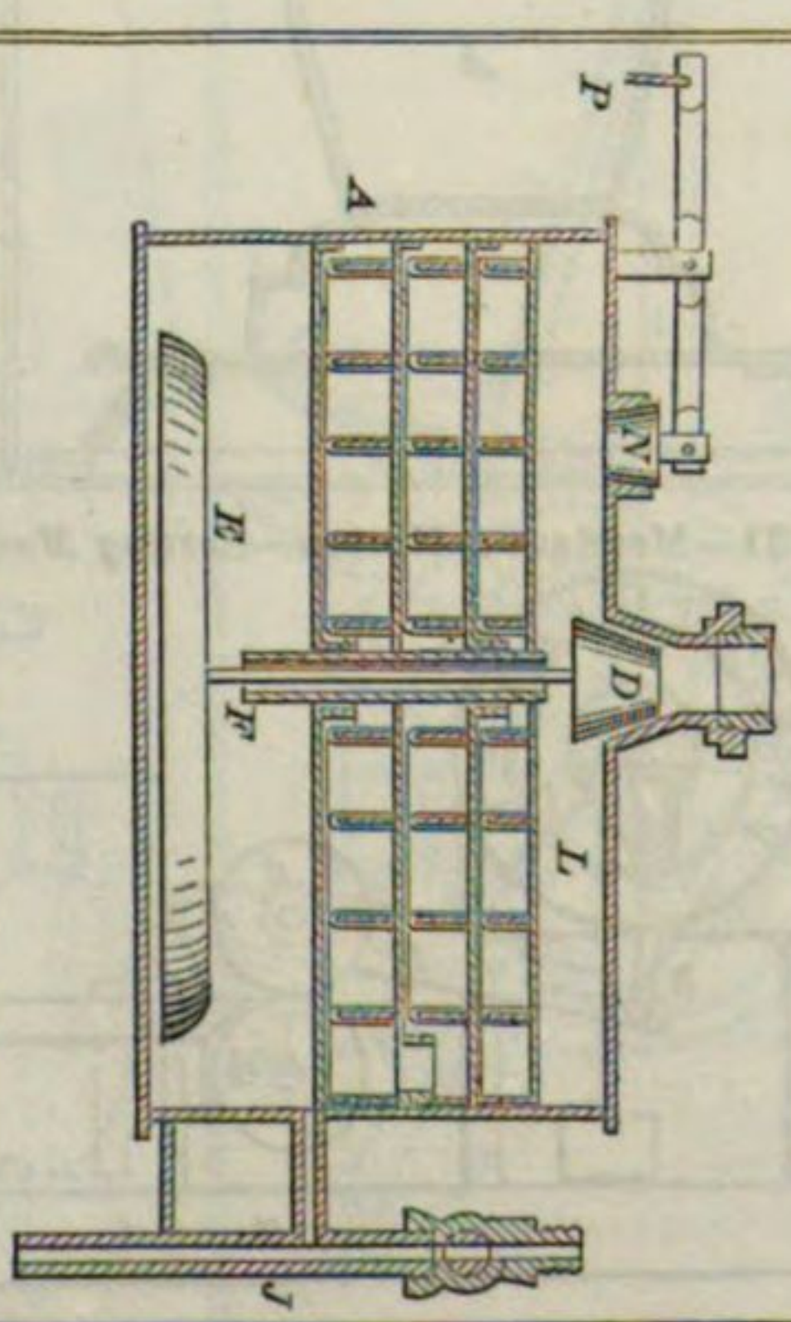
55322—H. Maxell—*Gate.*



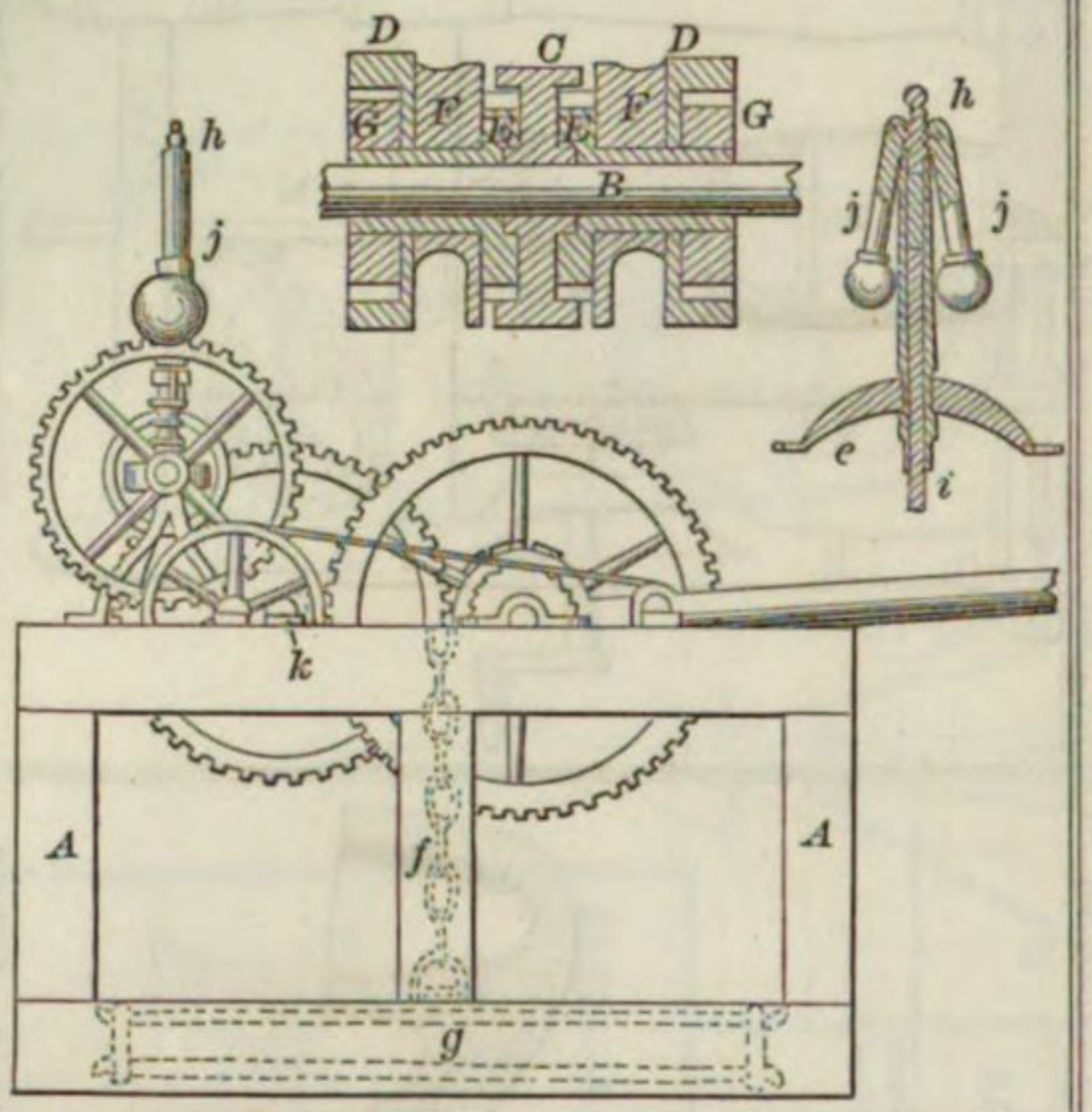
55323—T. McAuley—*Water Wheel.*



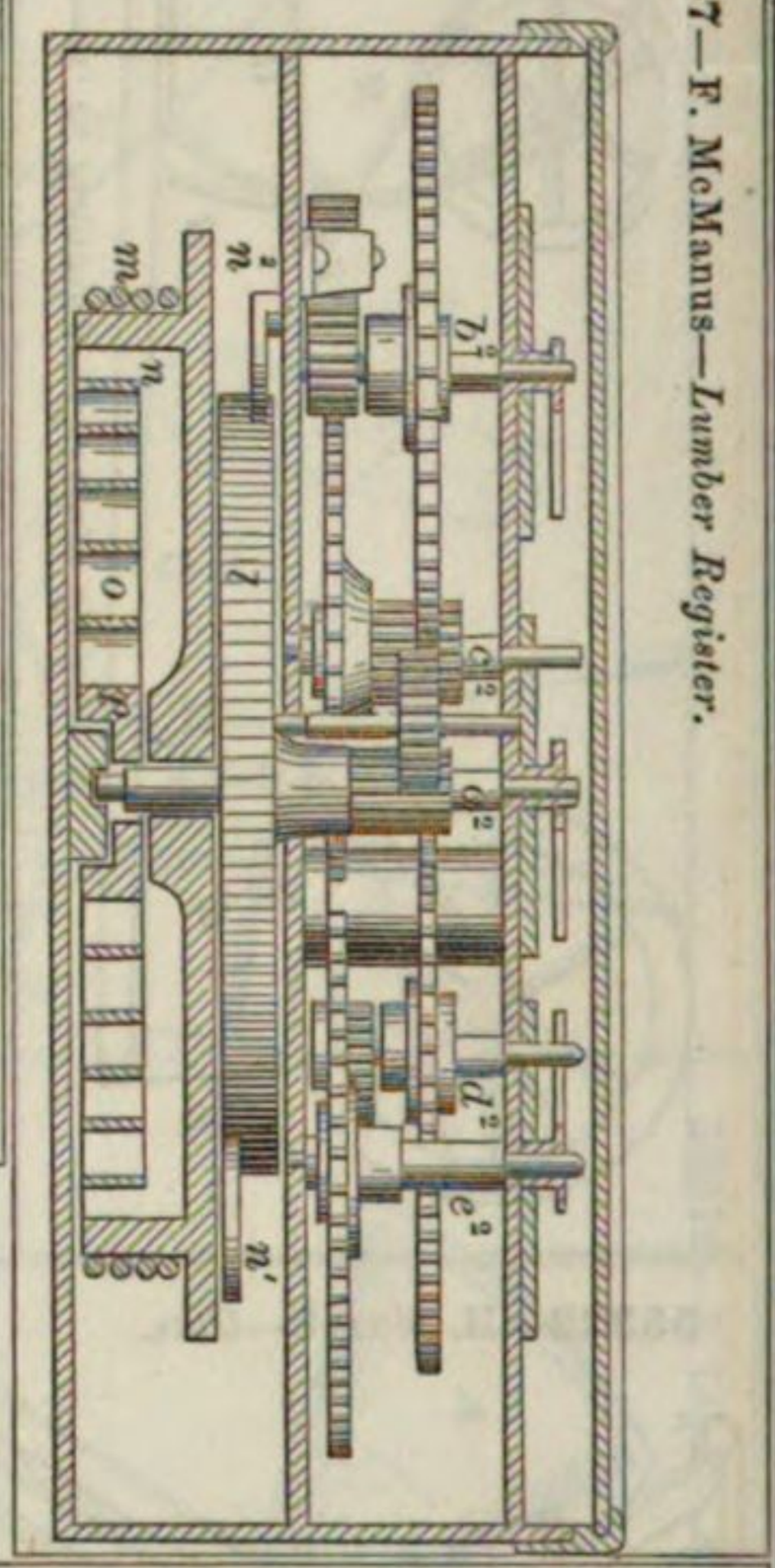
55324—S. T. McDougall—*Carburetting Air.*



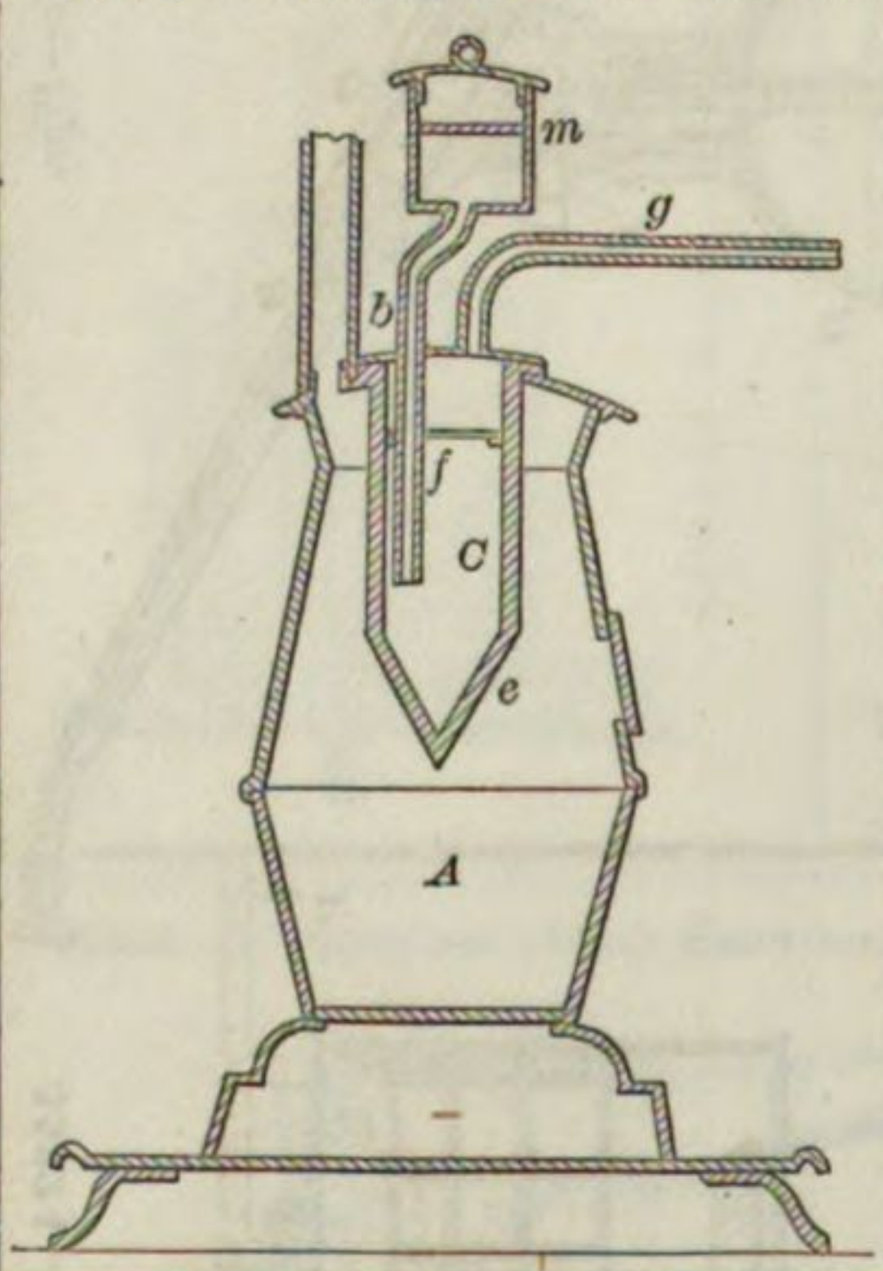
55325—McKnight & Deisher—*Motive Power.*



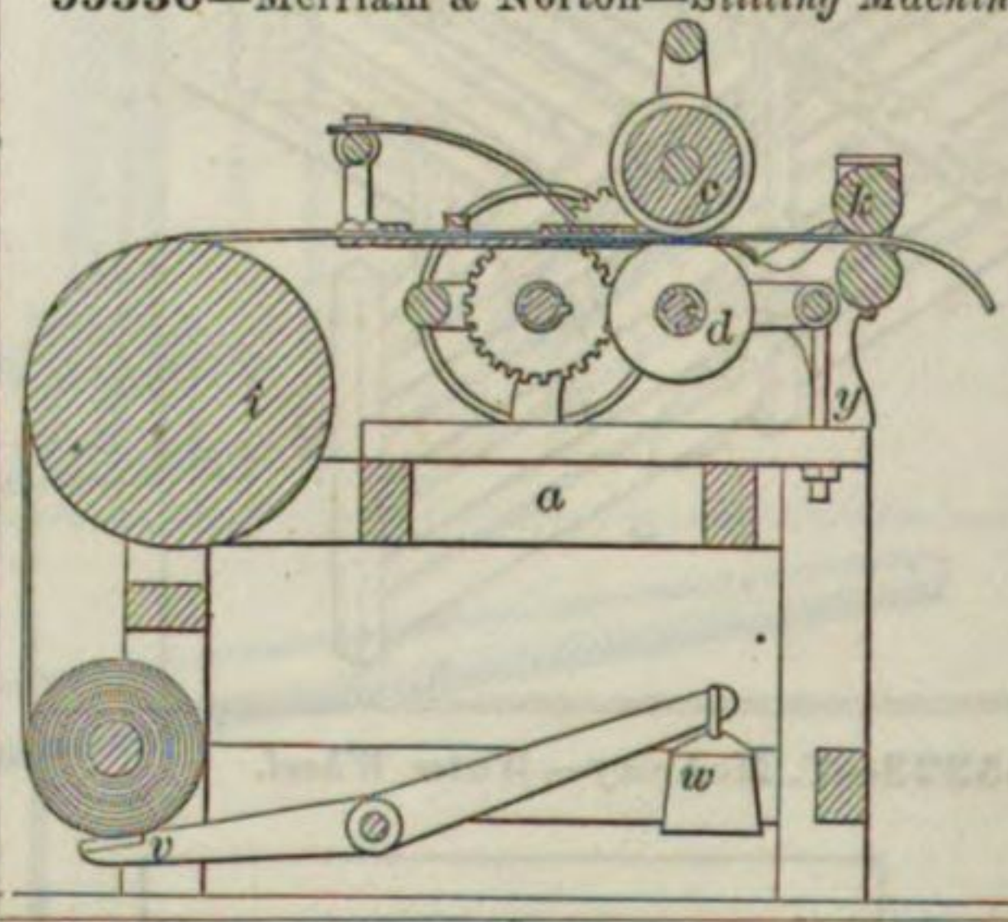
55327—F. McManus—*Lumber Register.*



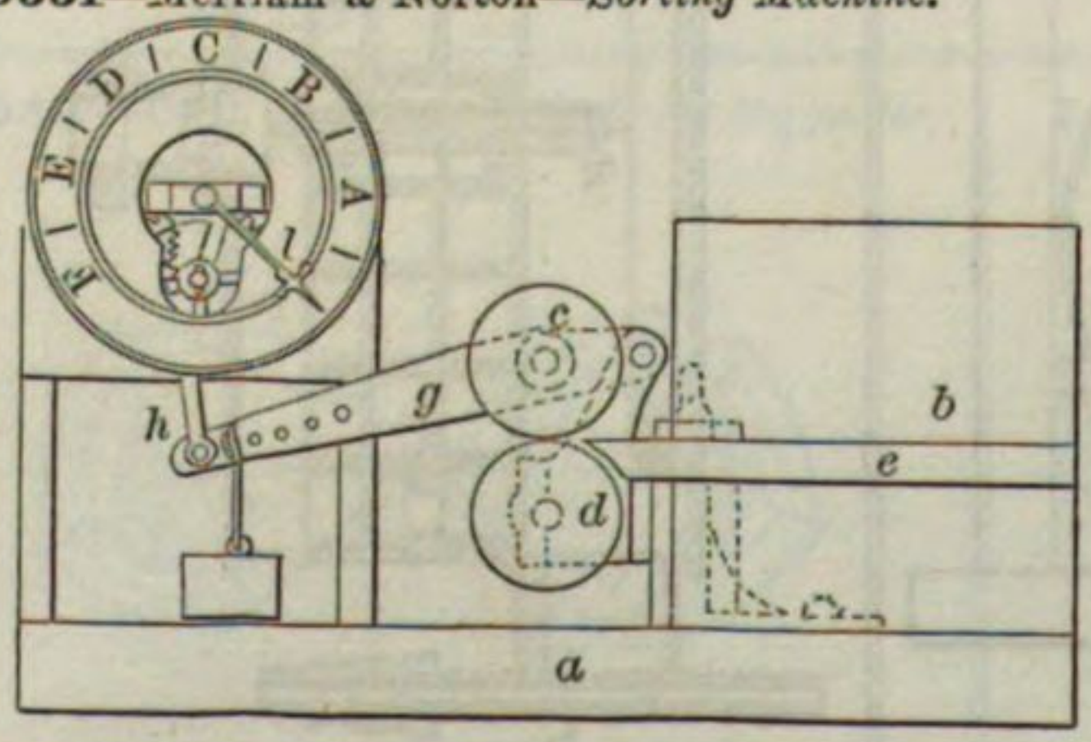
55328—J. McWilliams—*Gas Generator.*



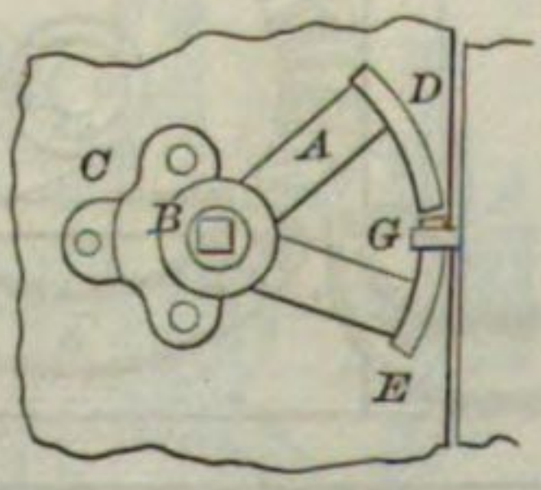
55330—Merriam & Norton—*Slitting Machine.*



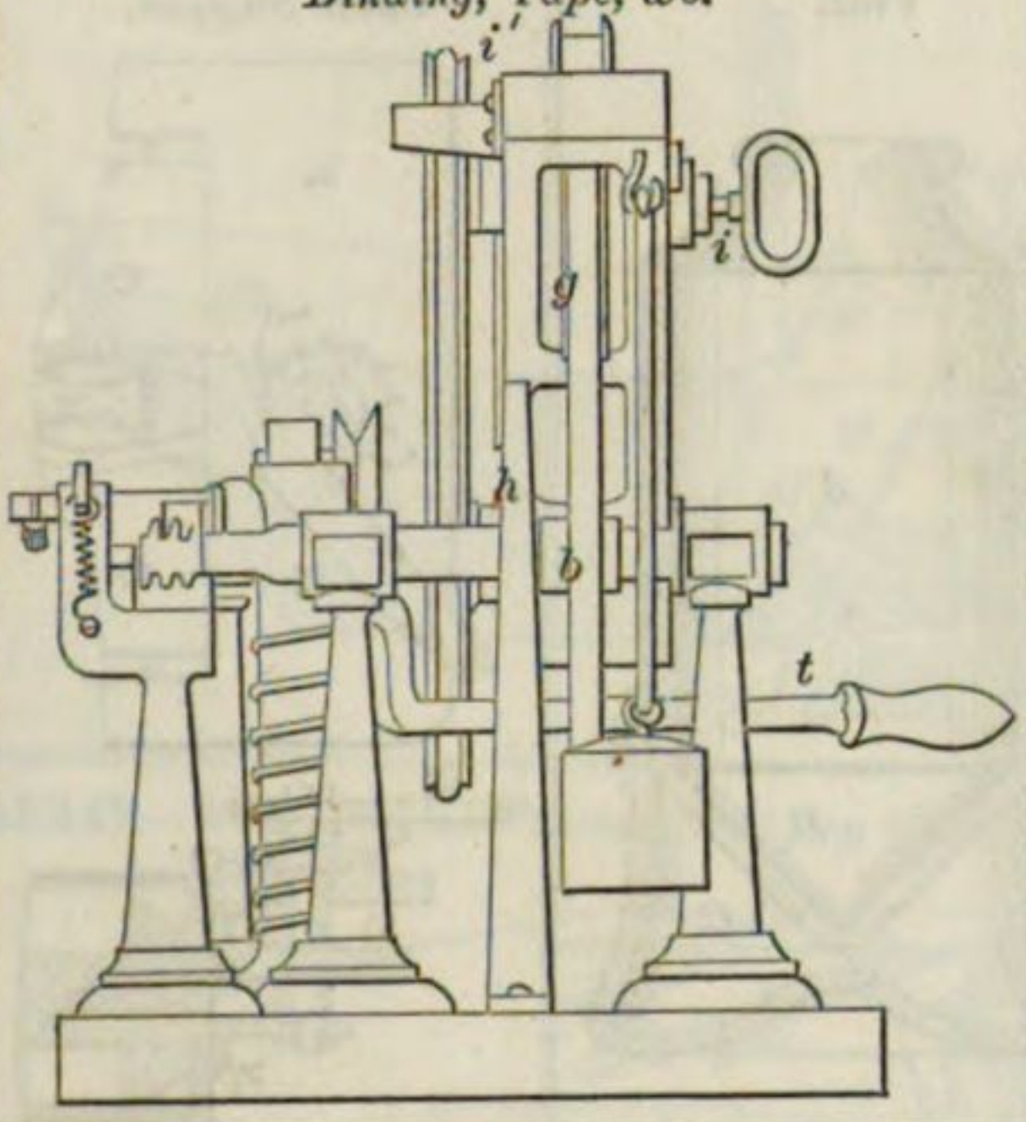
55331—Merriam & Norton—*Sorting Machine.*



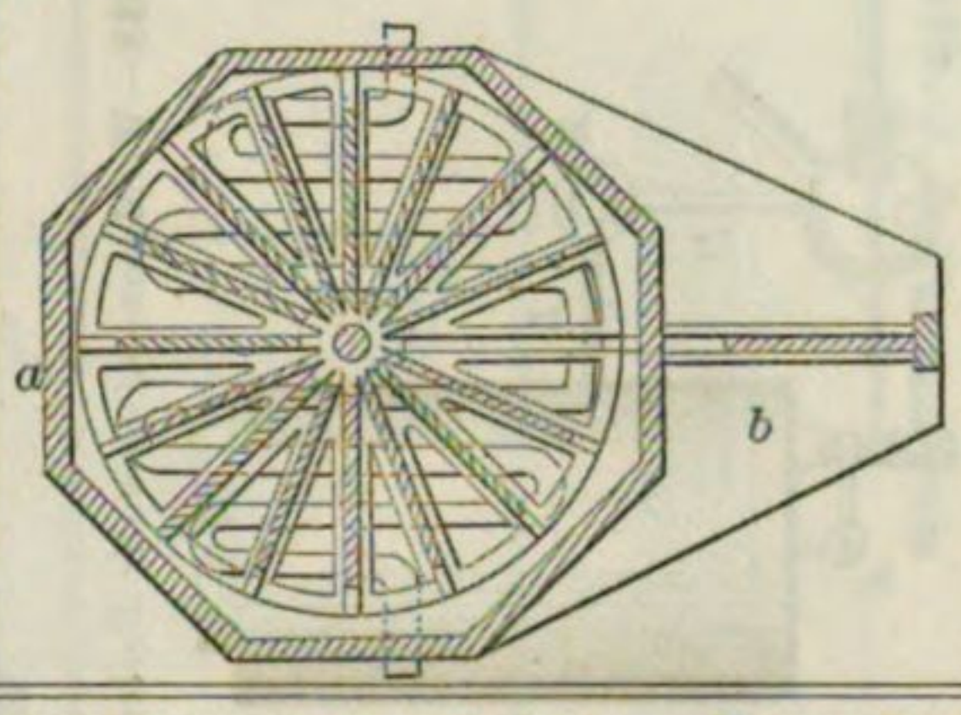
55326—J. W. McLean—
Gate Latch.



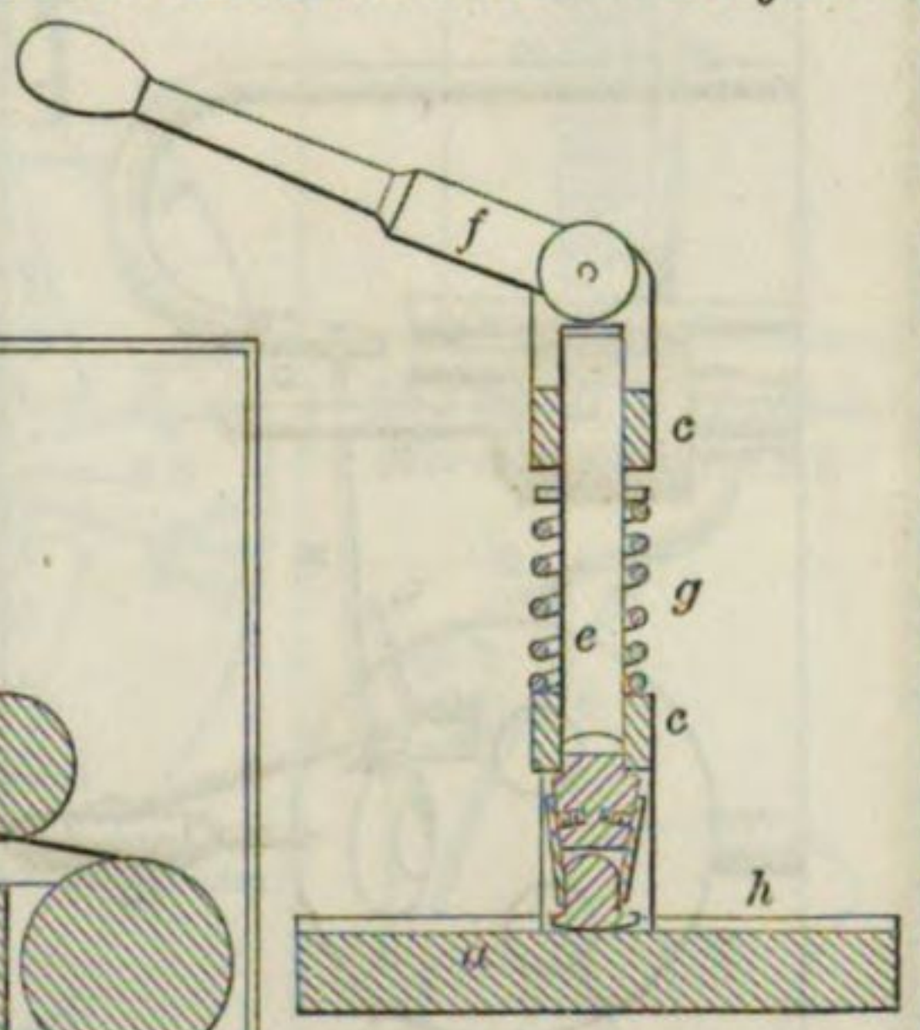
55332—Merriam & Norton—*Winding Shoe Binding, Tape, &c.*



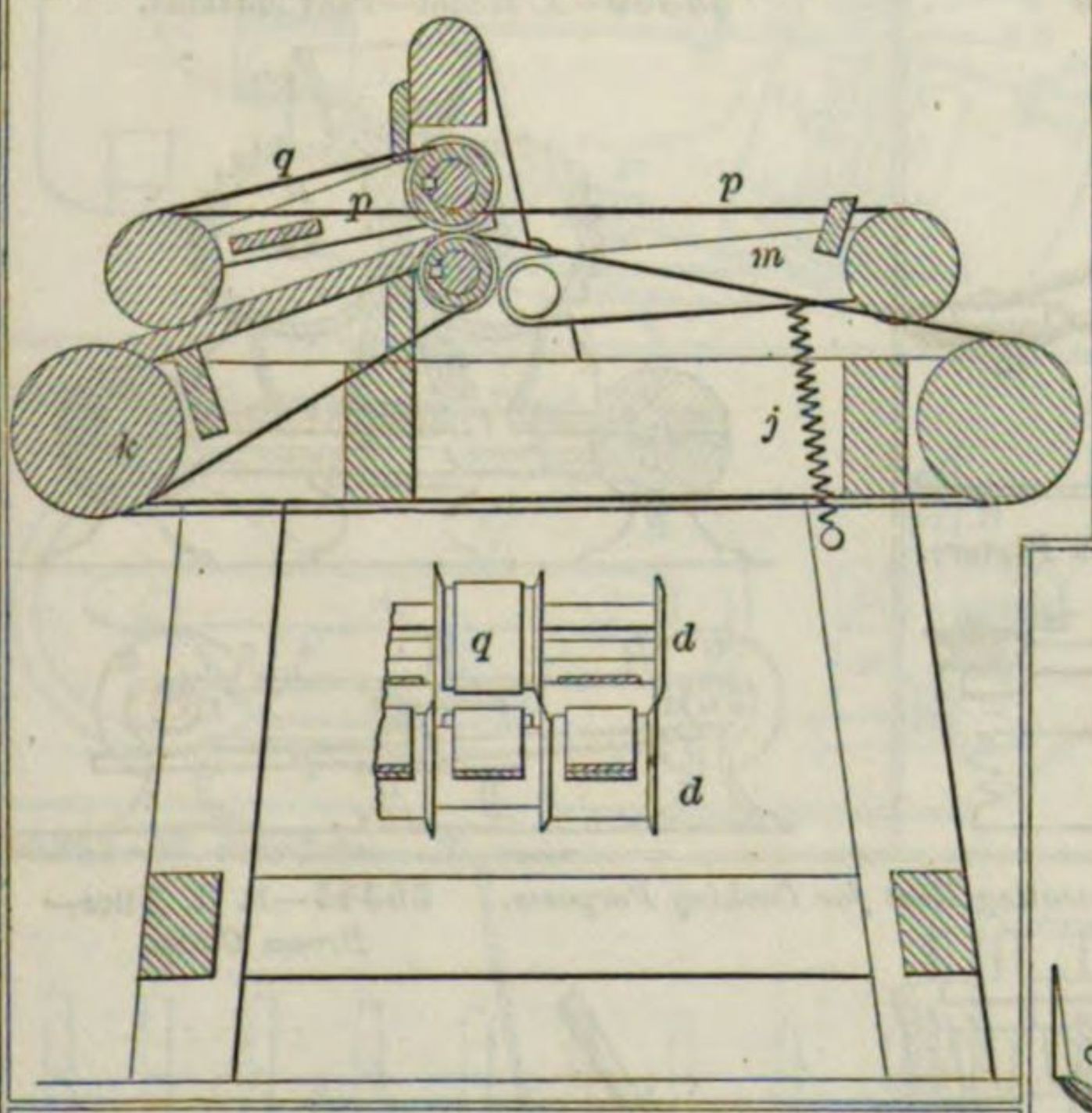
55333—Merriam & Norton—*Drying Hides.*



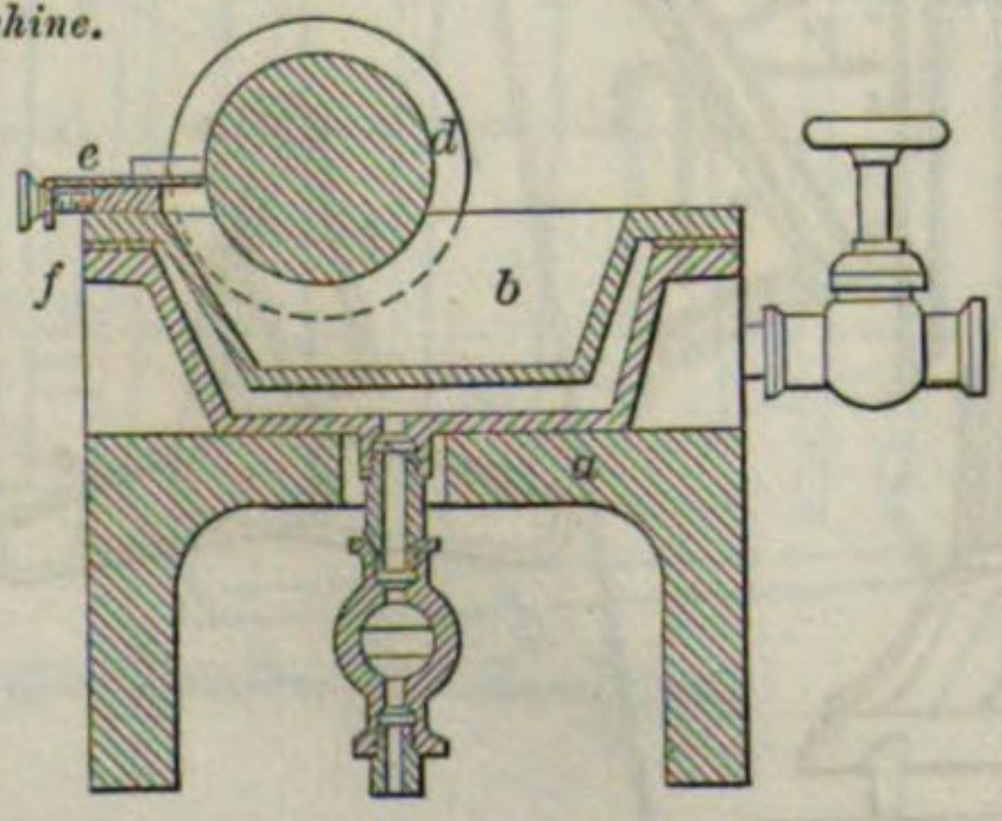
55334—Merriam & Norton—*Glueing Press.*



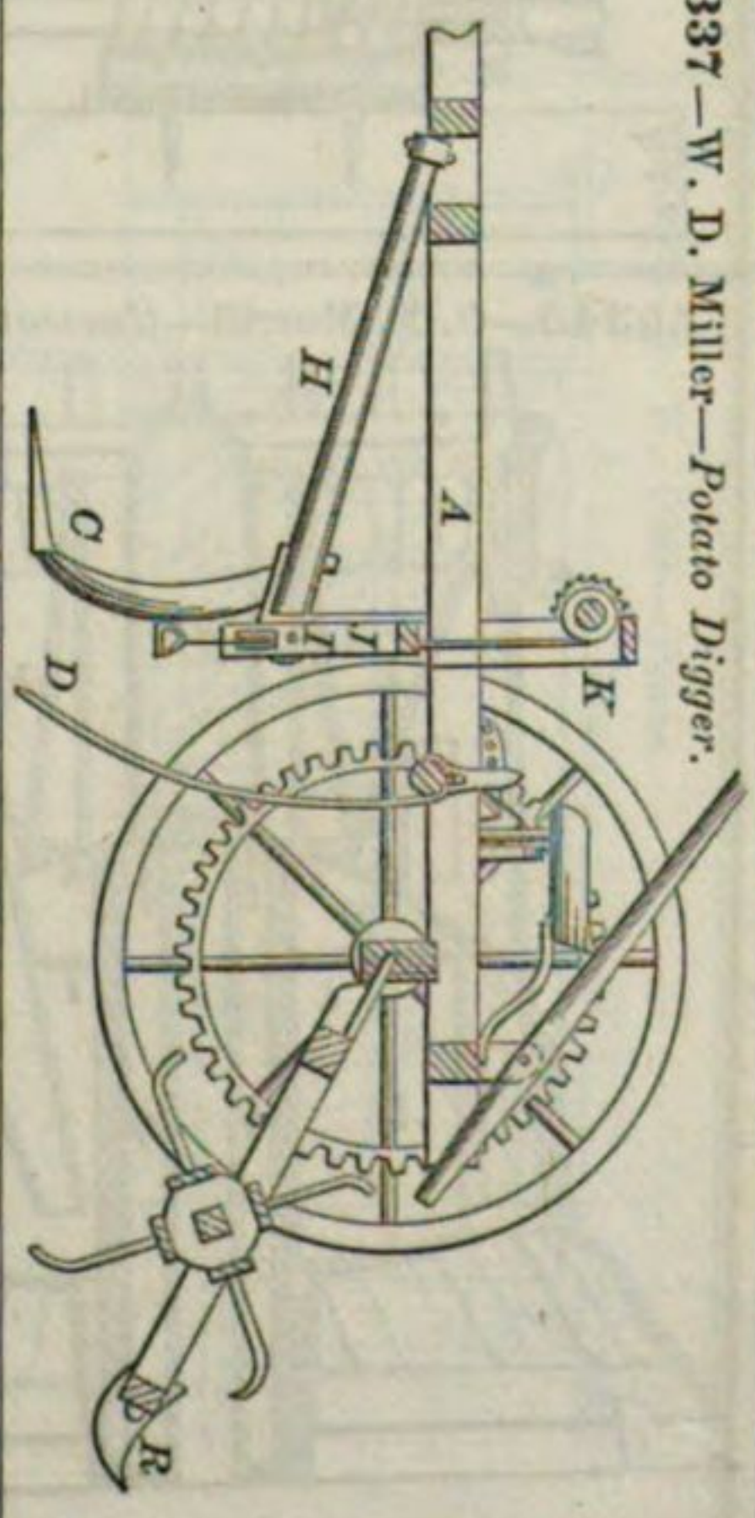
55336—Merriam & Norton—*Cutting Machine.*



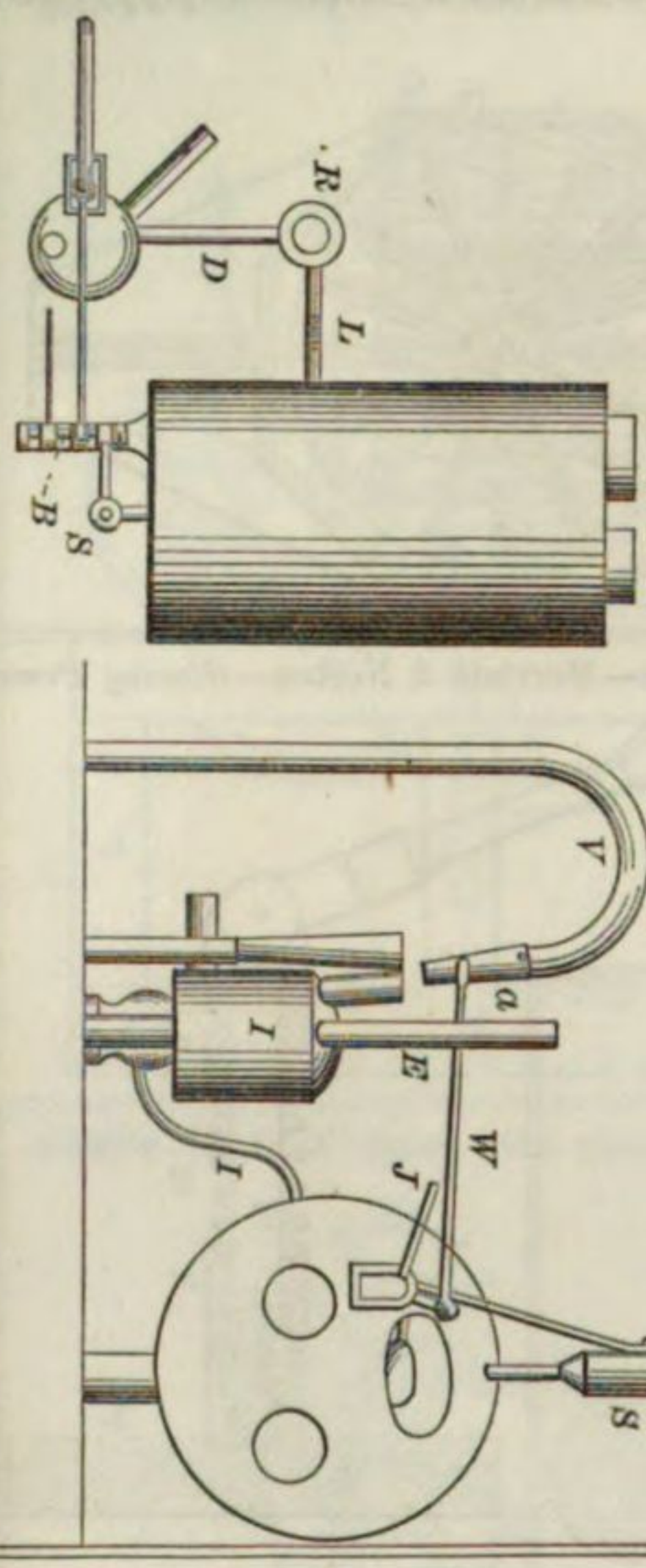
55335—Merriam & Norton—*Glueing and Cementing Machine.*



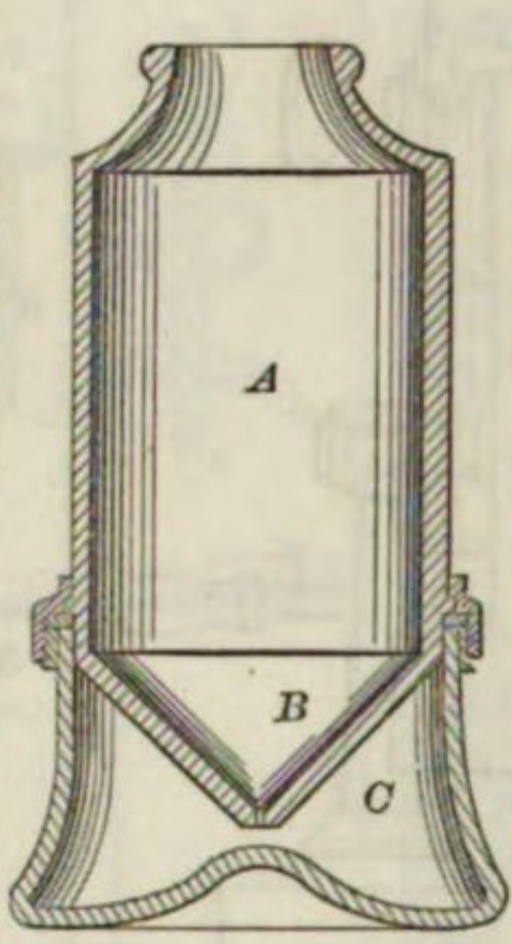
55337—W. D. Miller—*Potato Digger.*



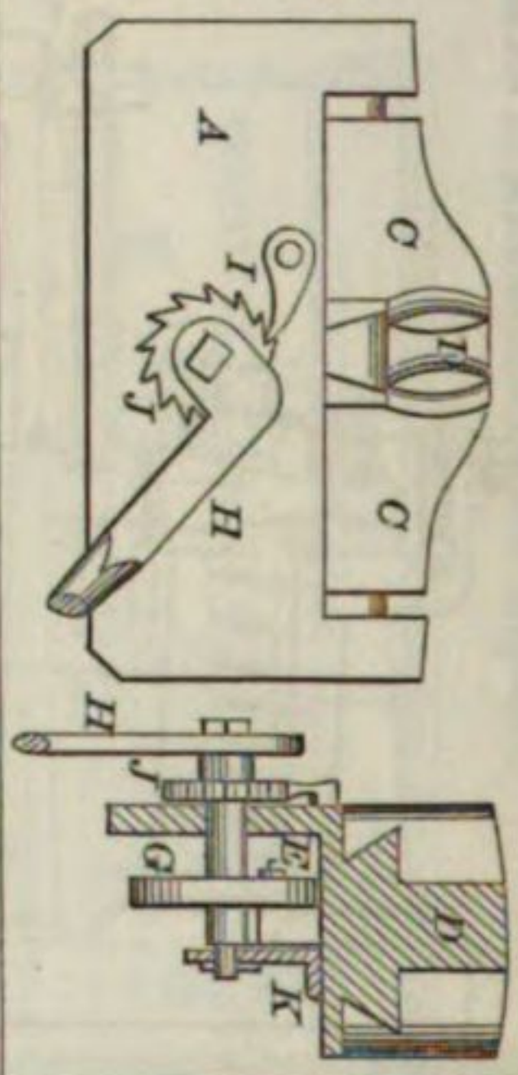
55338—W. Moore—*Automatic Boiler Feeder.*



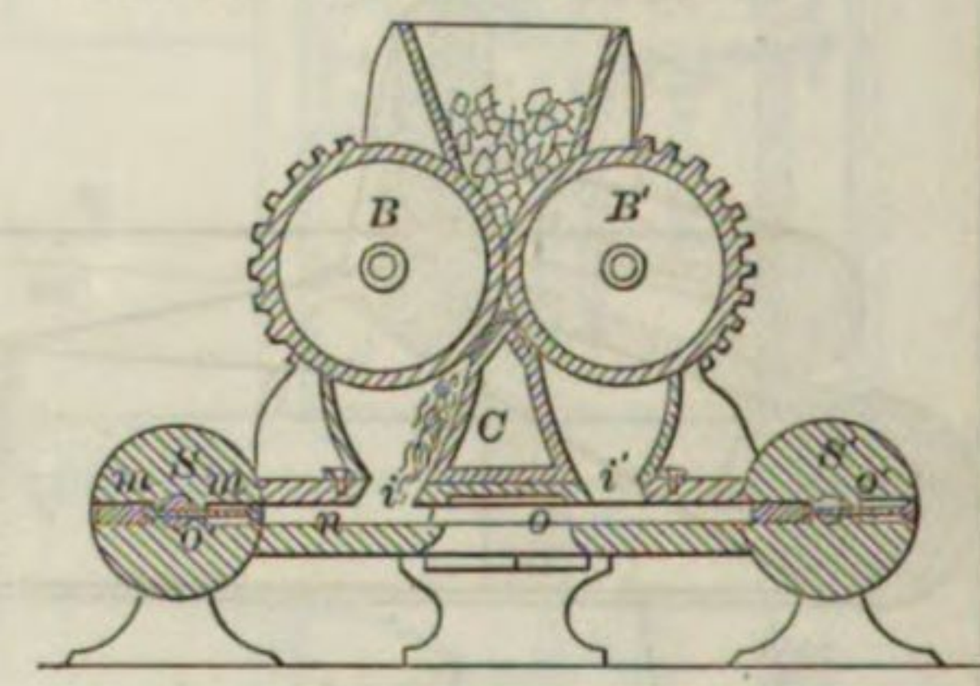
55341—C. H. Morse—*Vial.*



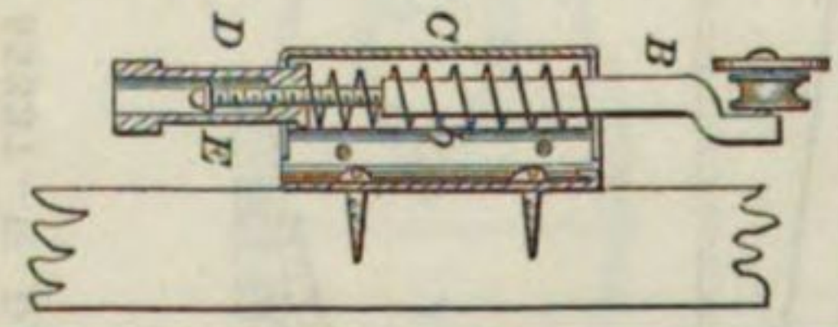
55343—P. Murray—*Cable Stopper.*



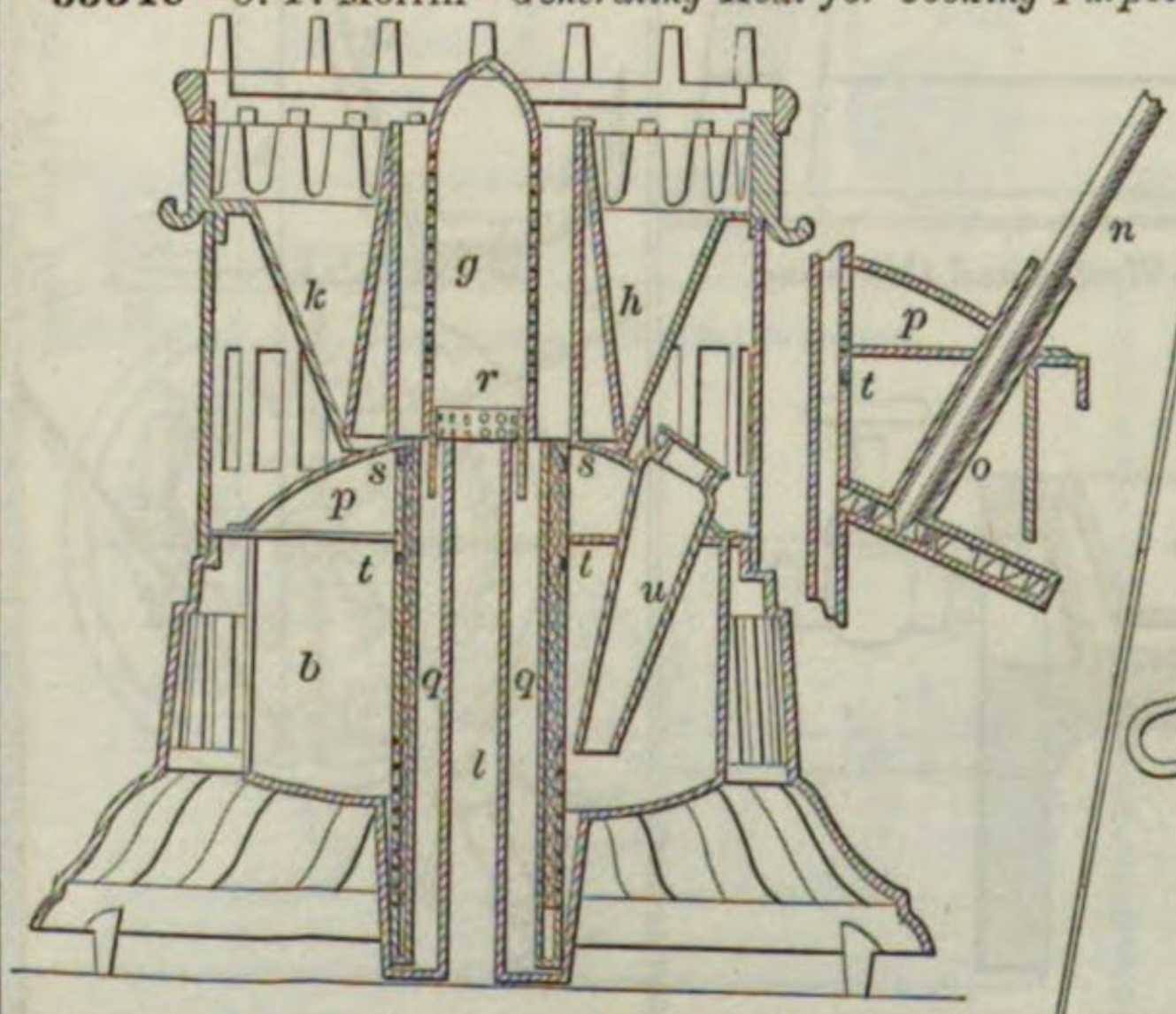
55339—A. Moffat—*Peat Machine.*



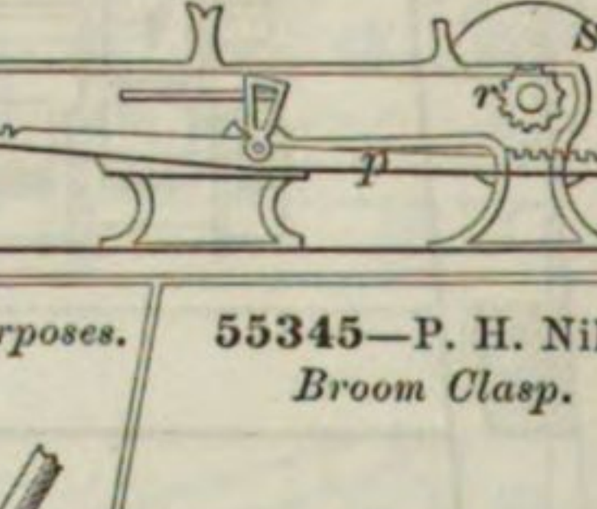
55344—G. W. Nell—*Curtain Fixture.*



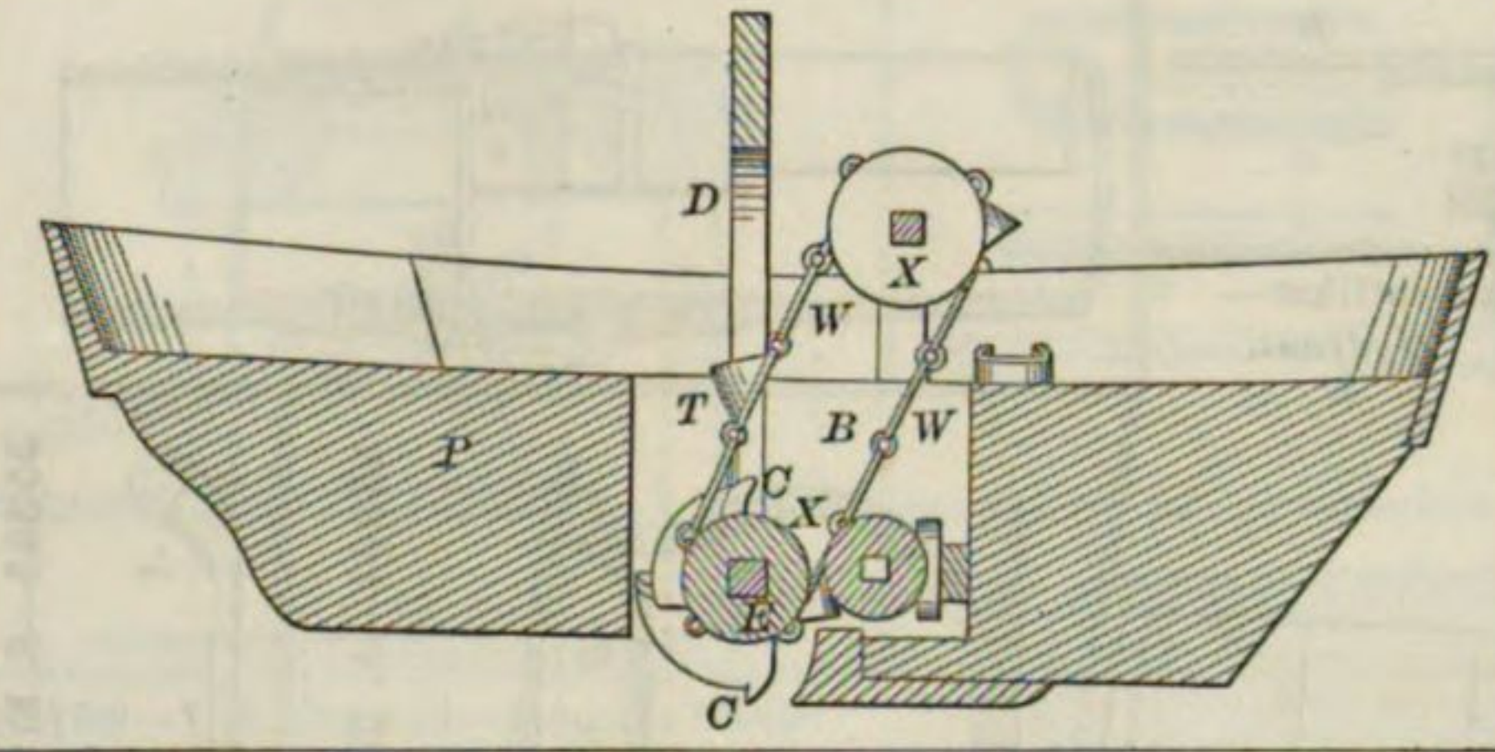
55340—O. F. Morrill—*Generating Heat for Cooking Purposes.*



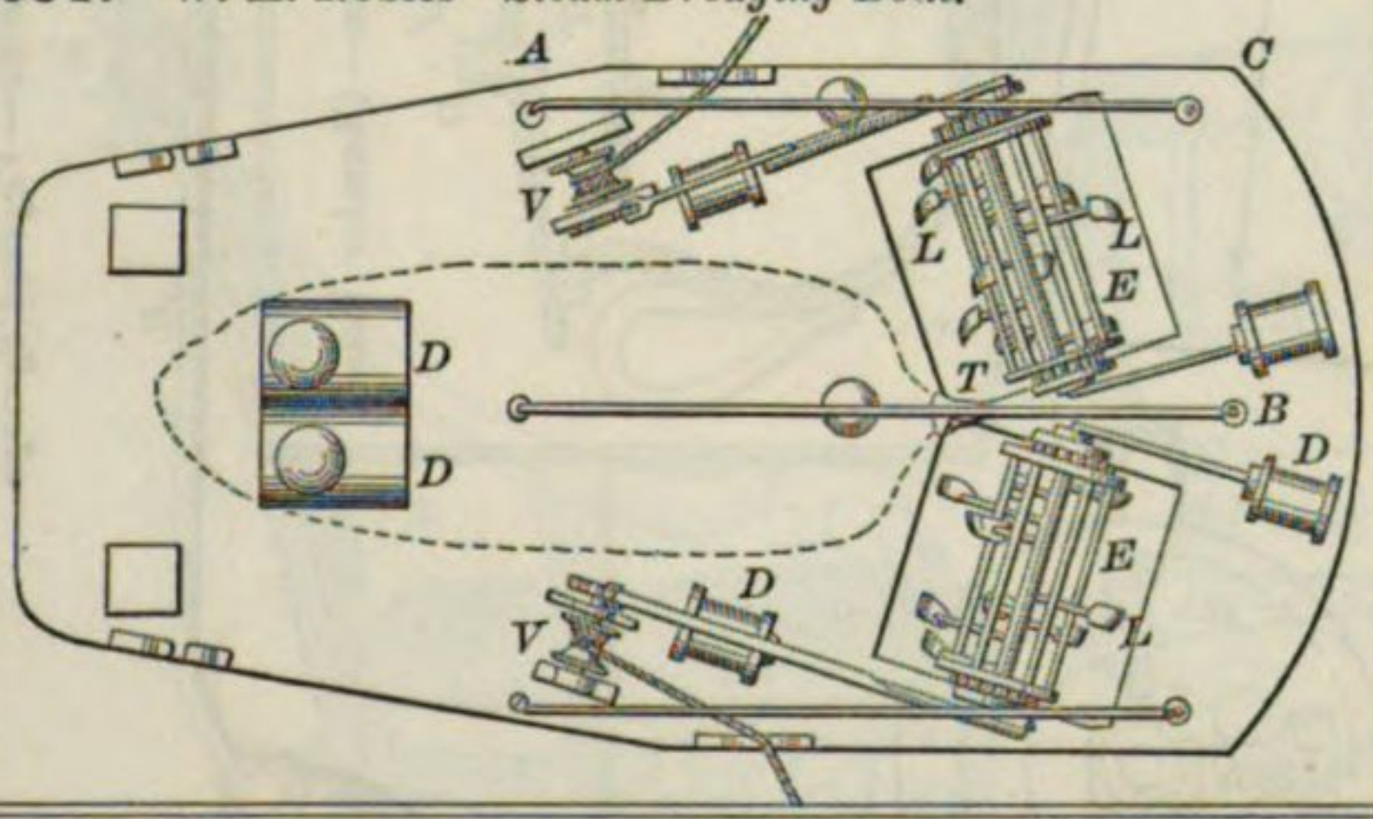
55345—P. H. Niles—*Broom Clasp.*



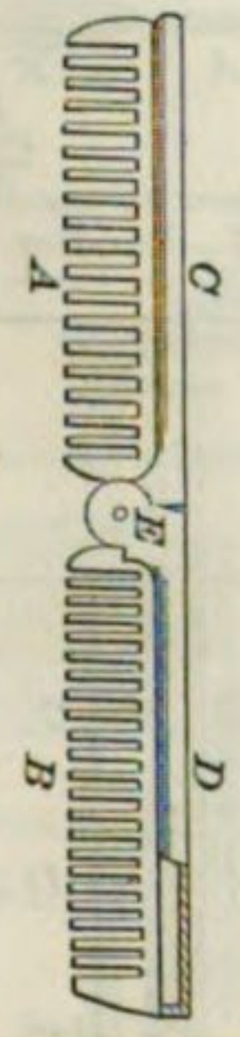
55346—W. H. Nobles—*Dredging Boat.*



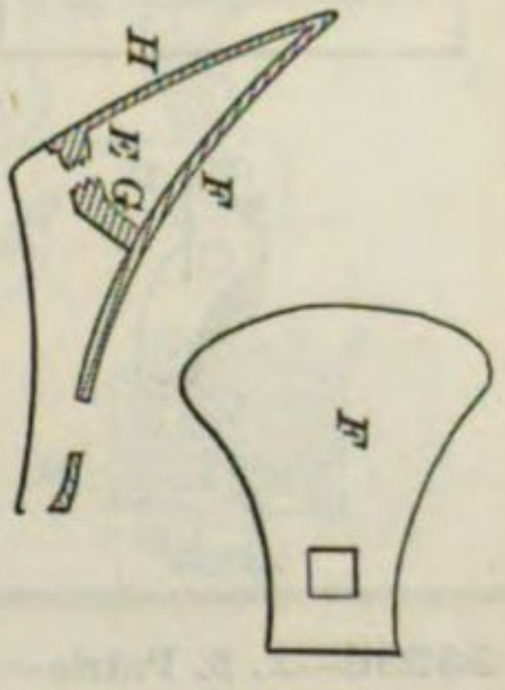
55347—W. H. Nobles—*Steam Dredging Boat.*



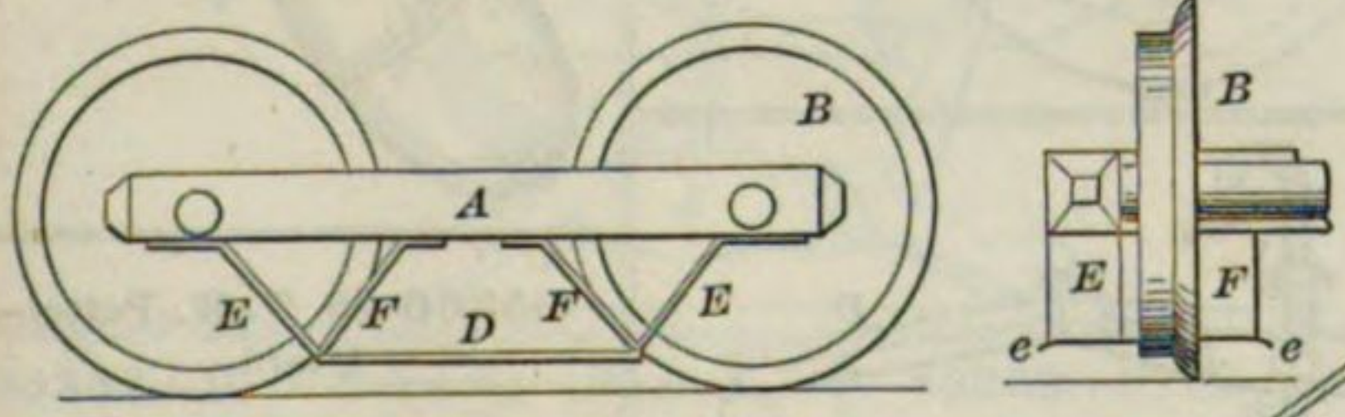
55349—J. P. Noyes—*Comb.*



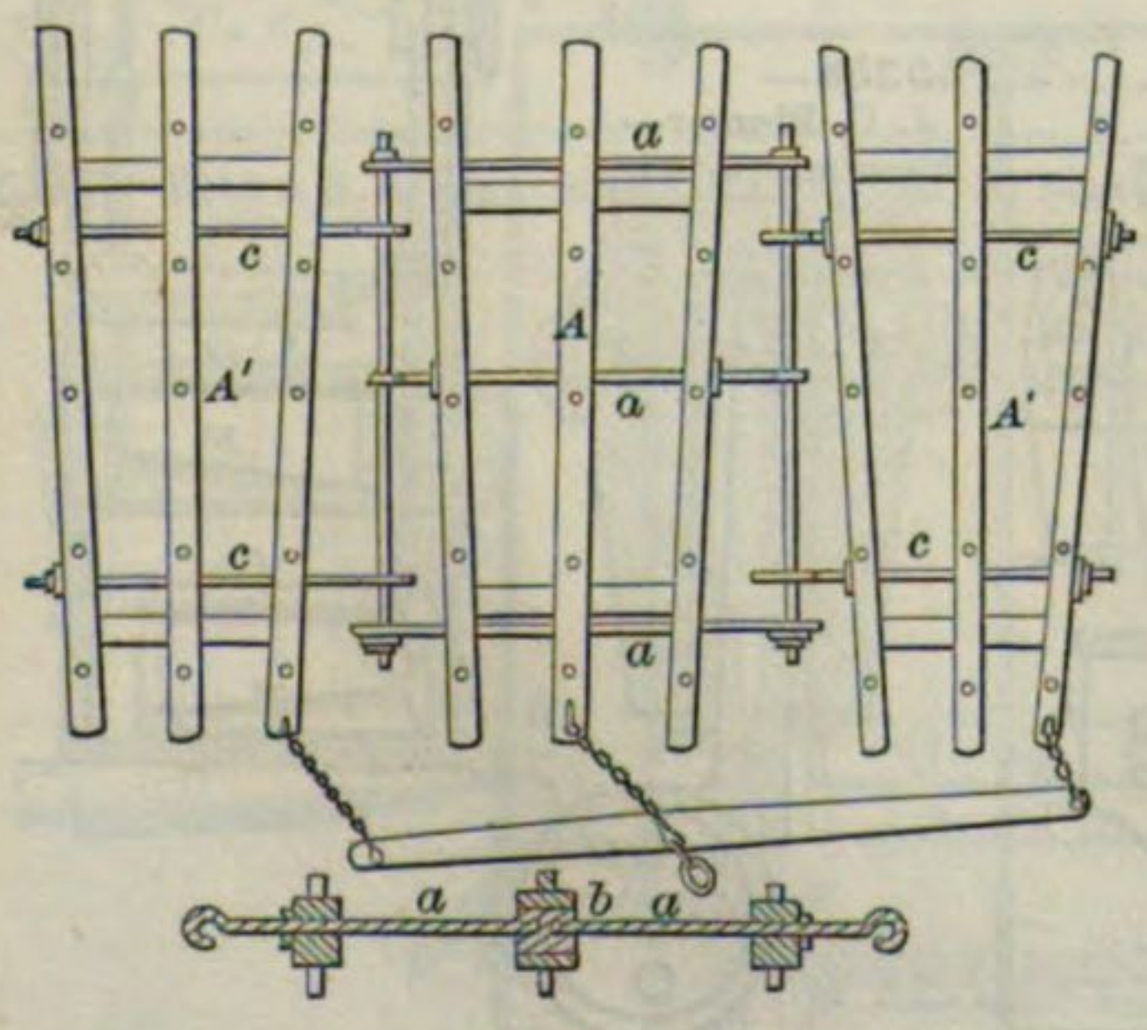
55348—O. B. North—*Harness Saddle Seat.*



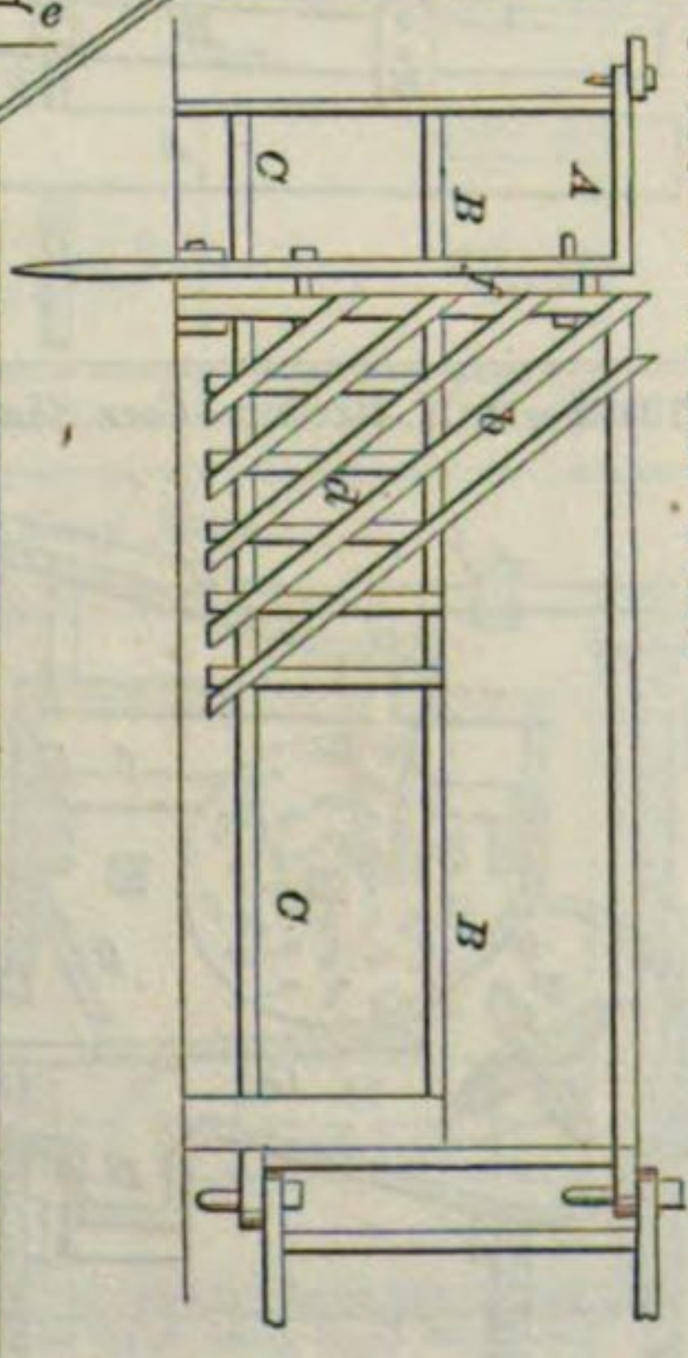
55350—J. Nusbaum—*Car Truck.*



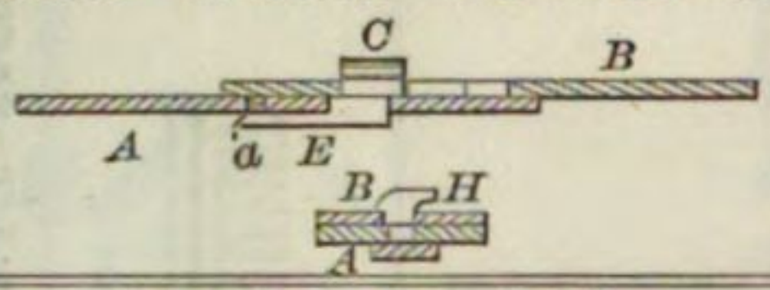
55351—W. S. O'Brien—*Harrow.*



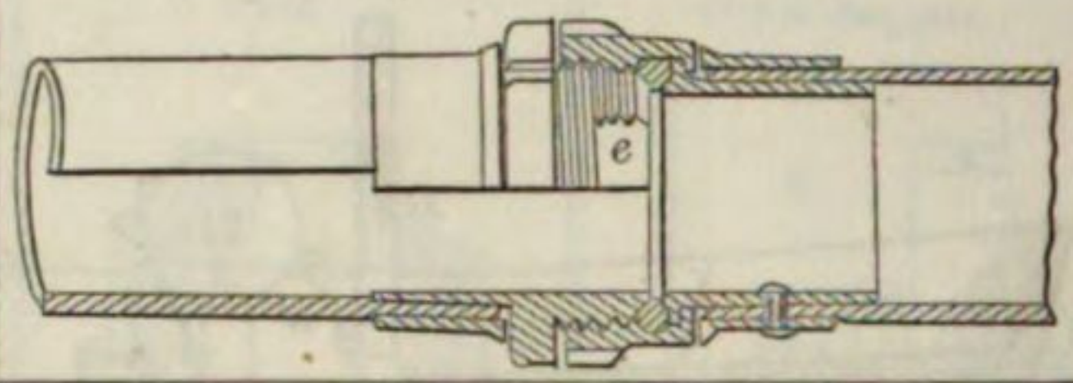
55353—A. W. Olds—*Fence.*



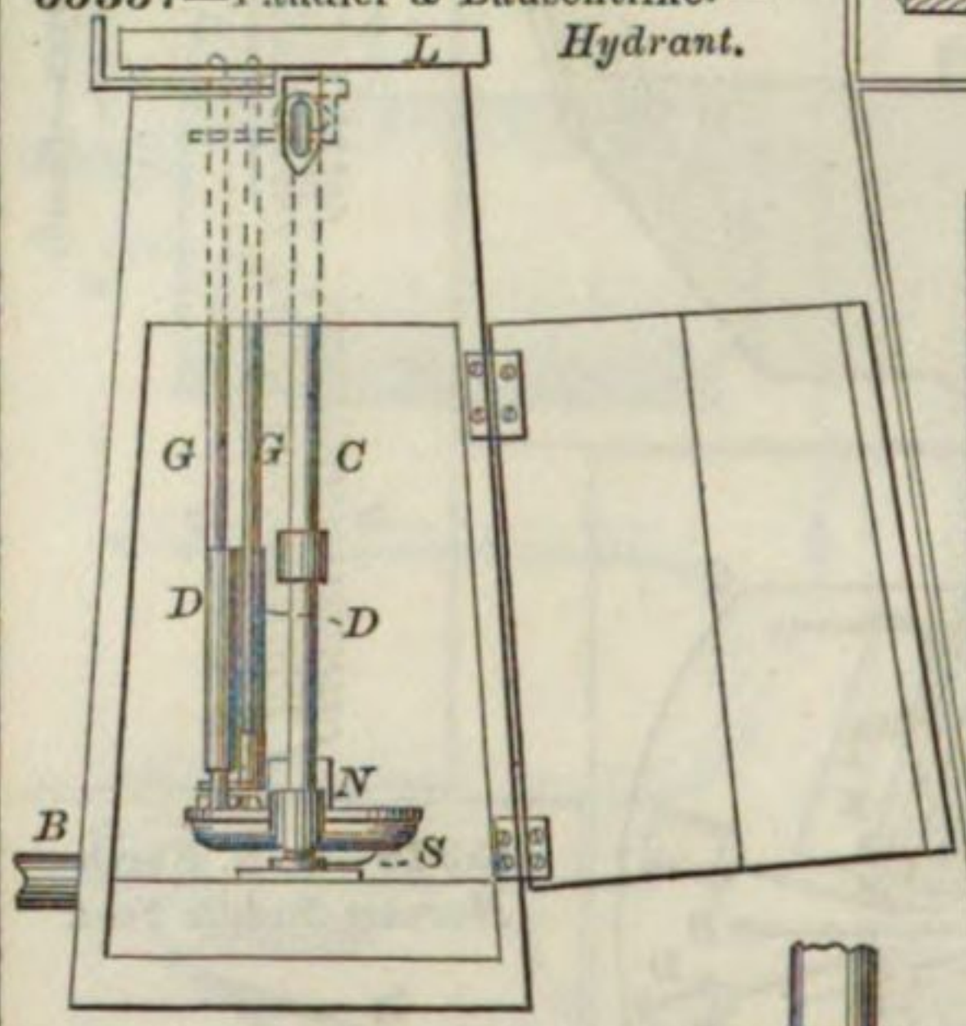
55353—W. Onions—*Cotton Bale Tie.*

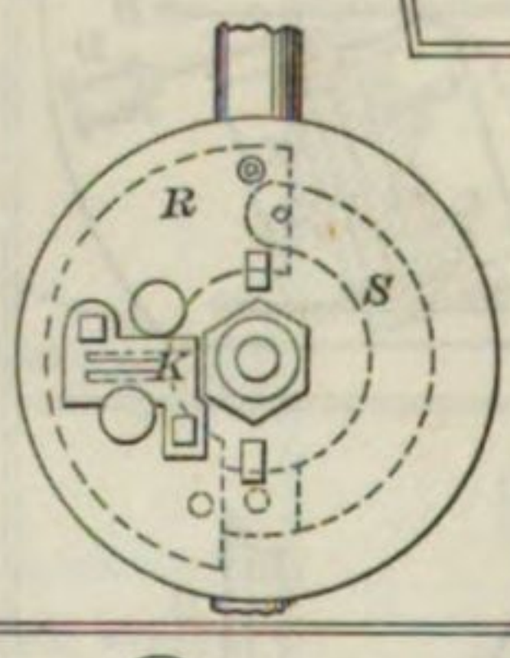


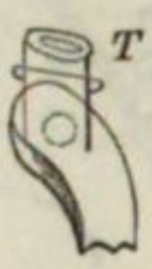
55354—J. C. Osgood—*Hose Coupling.*



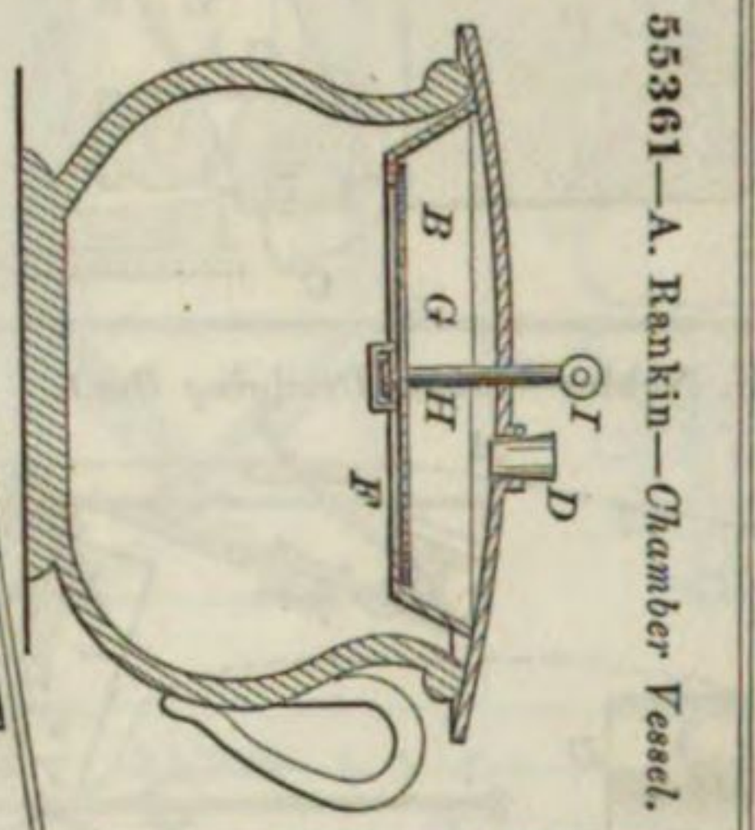
55357—Paudler & Bauschtliker—*Hydrant.*



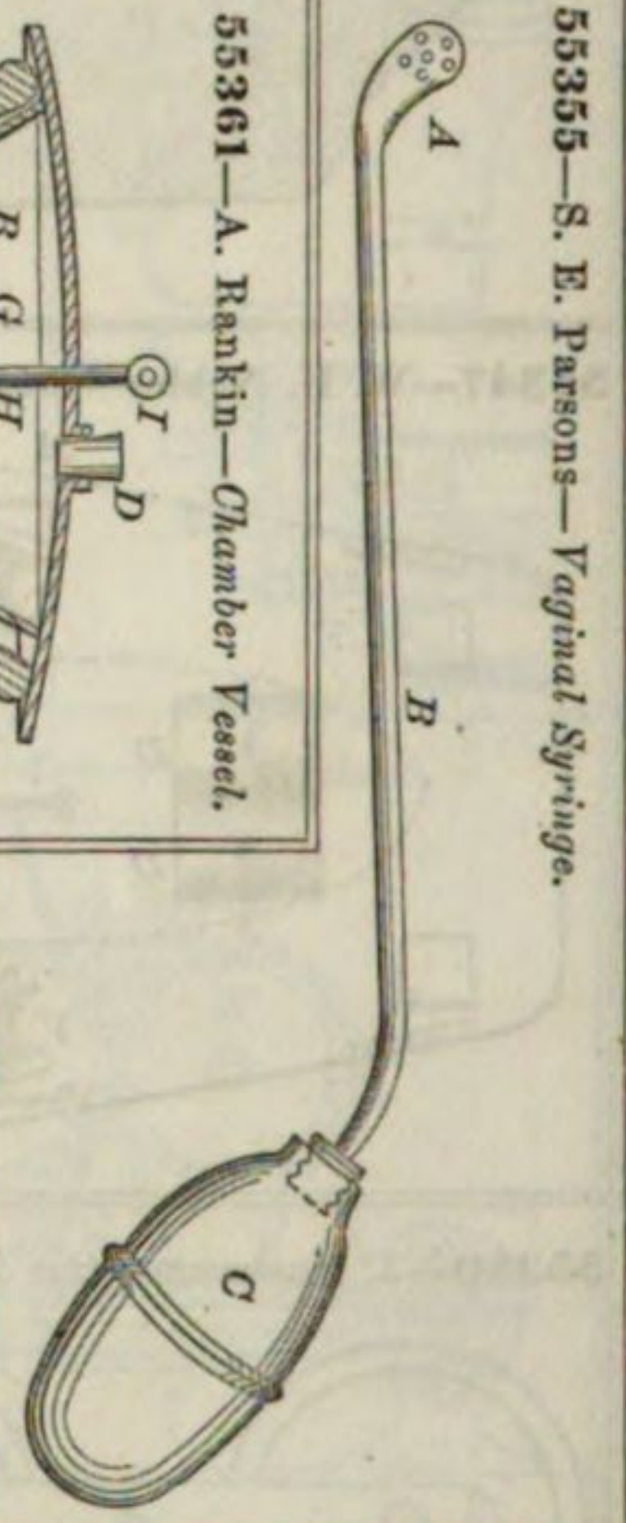




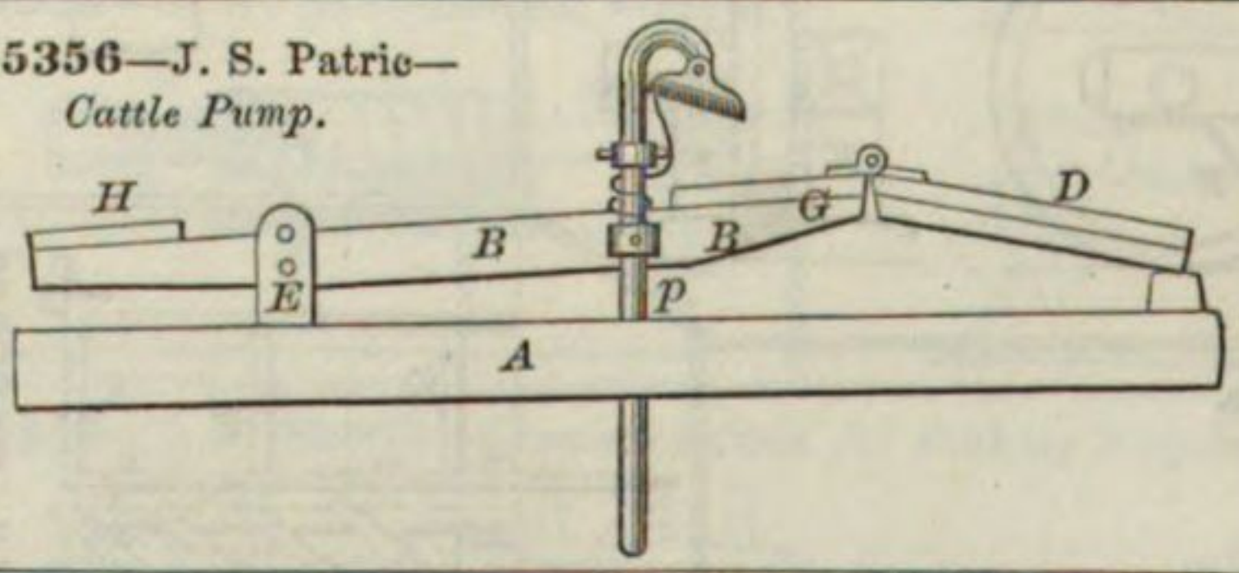
55361—A. Rankin—*Chamber Vessel.*



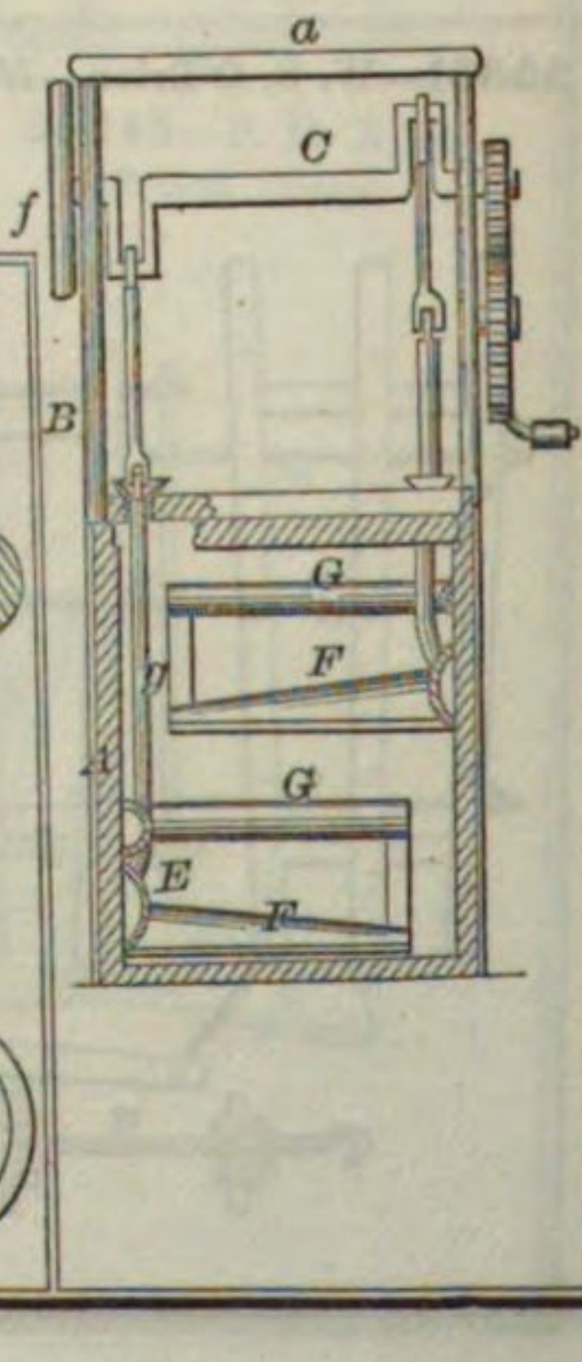
55355—S. E. Parsons—*Vaginal Syringe.*



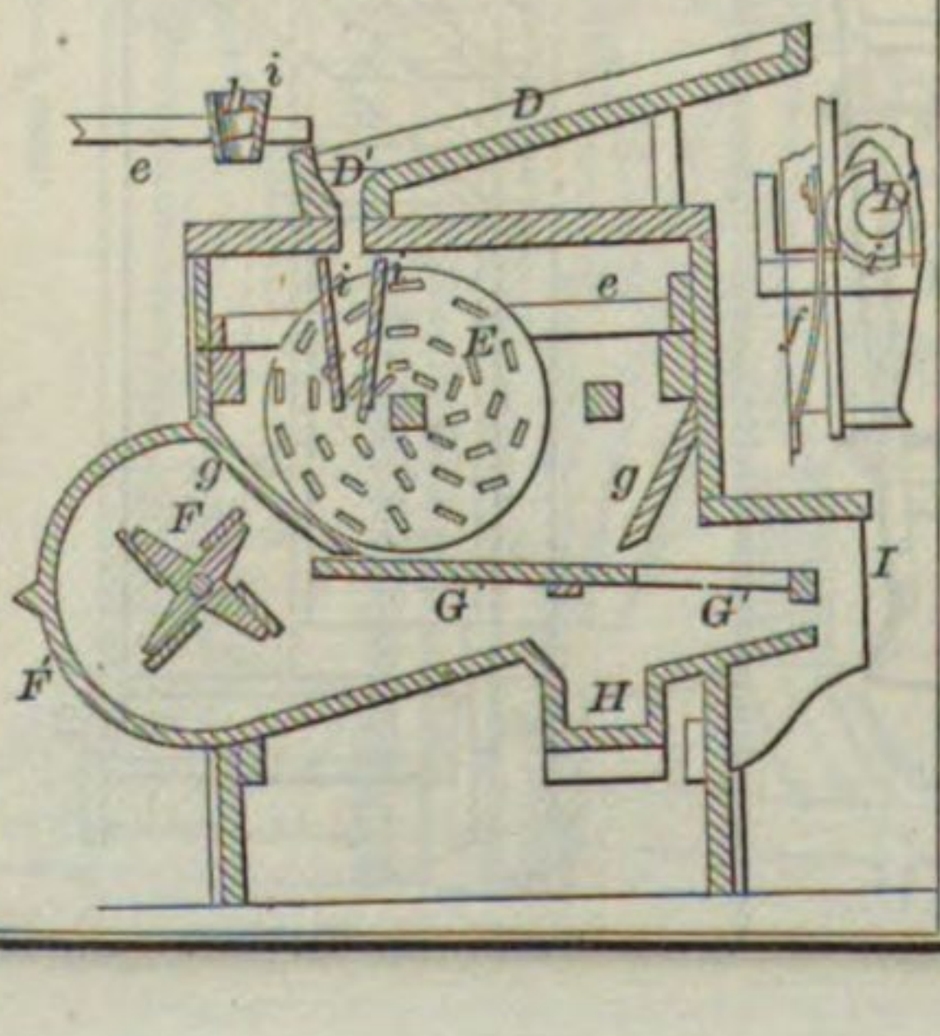
55356—J. S. Patric—*Cattle Pump.*



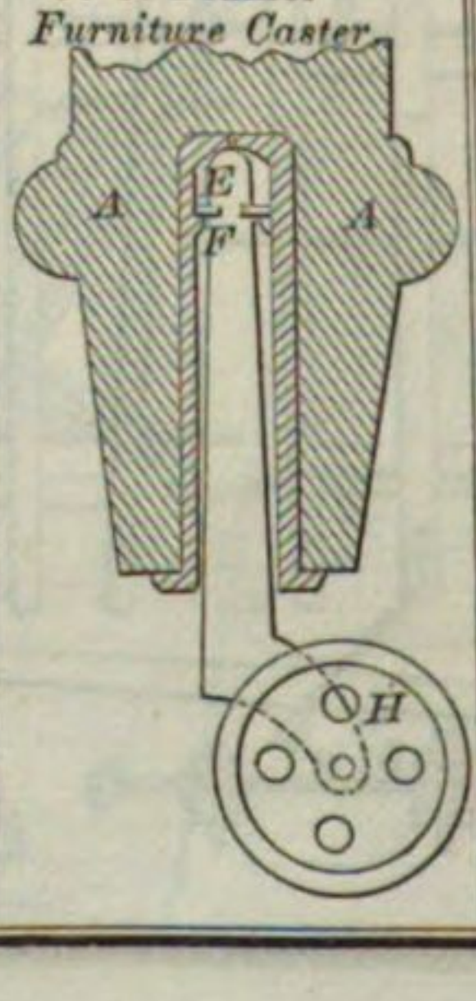
55360—S. T. W. Potter—*Churn.*



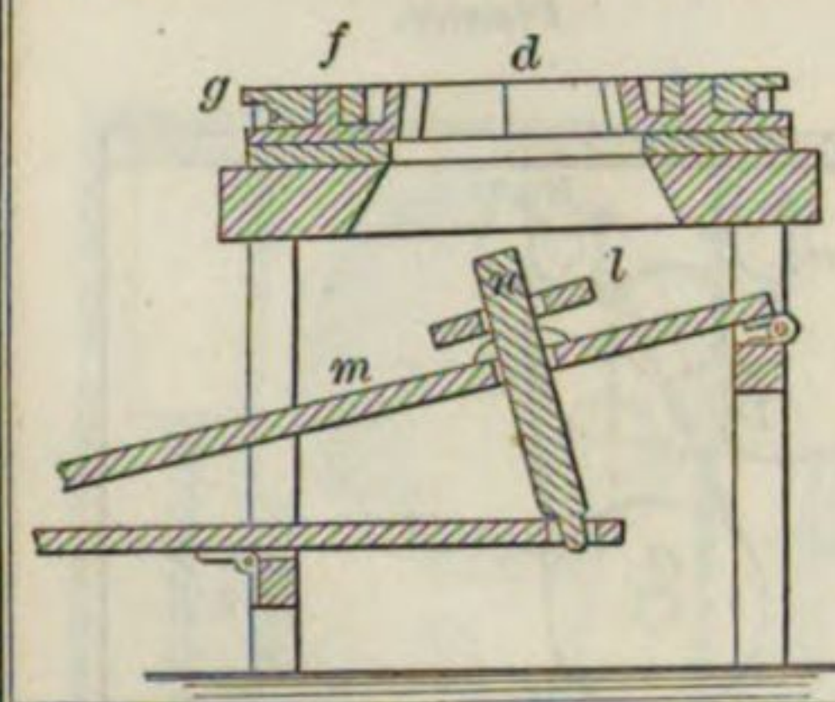
55362—D. K. Reeder—*Corn Sheller.*



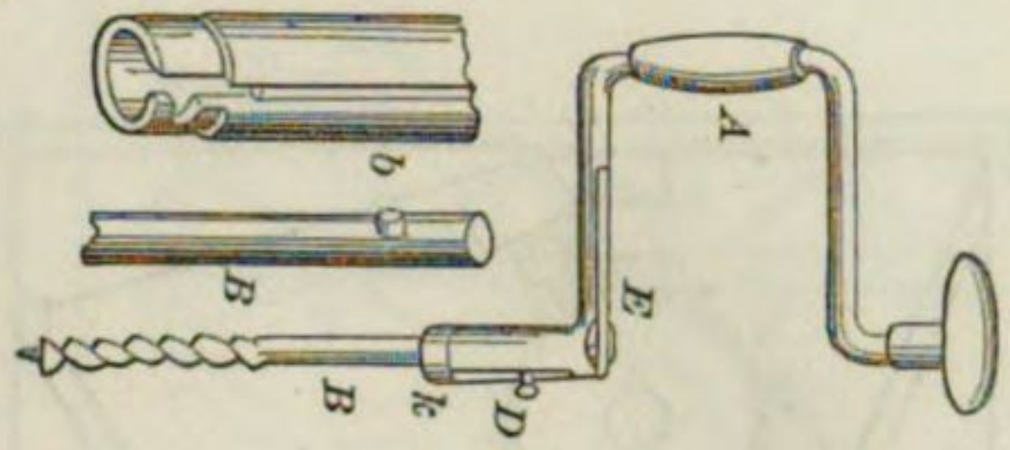
55358—J. C. Plumer—*Furniture Caster.*



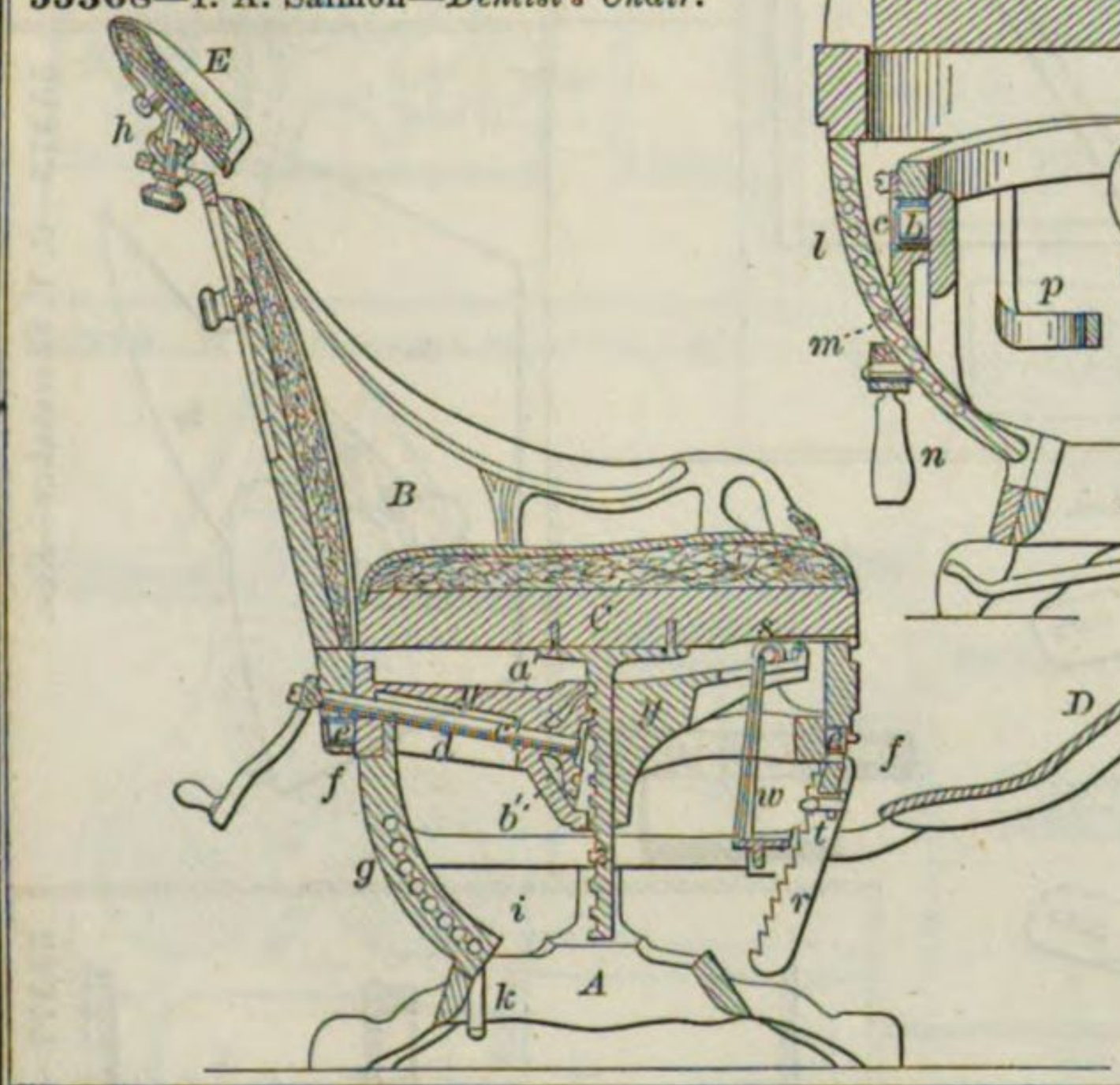
55363—W. Reid—*Barrel Head.*



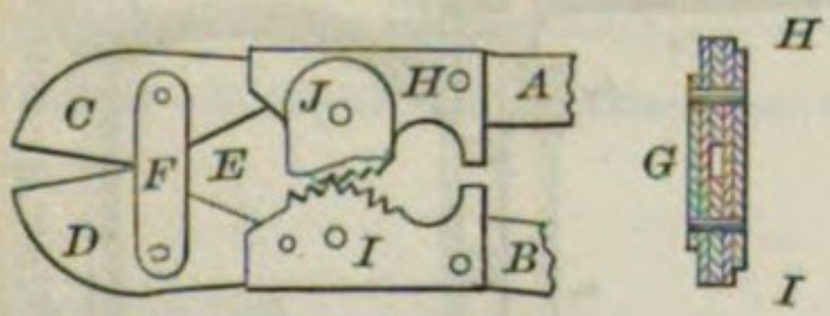
55364—C. O. Richey—*Bit Brace.*



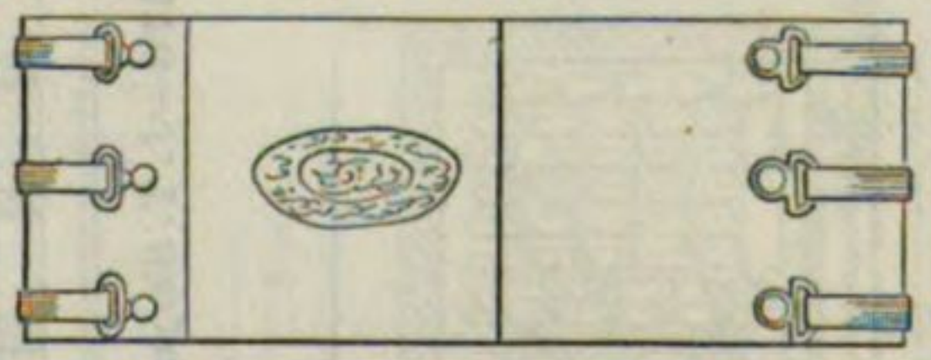
55368—I. A. Salmon—*Dentist's Chair.*



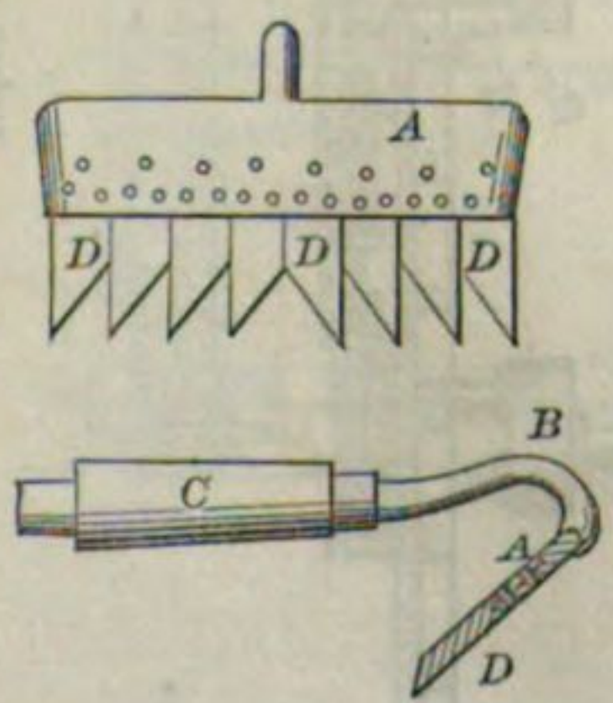
55366—D. D. Robinson—*Rivet or Bolt Cutter.*



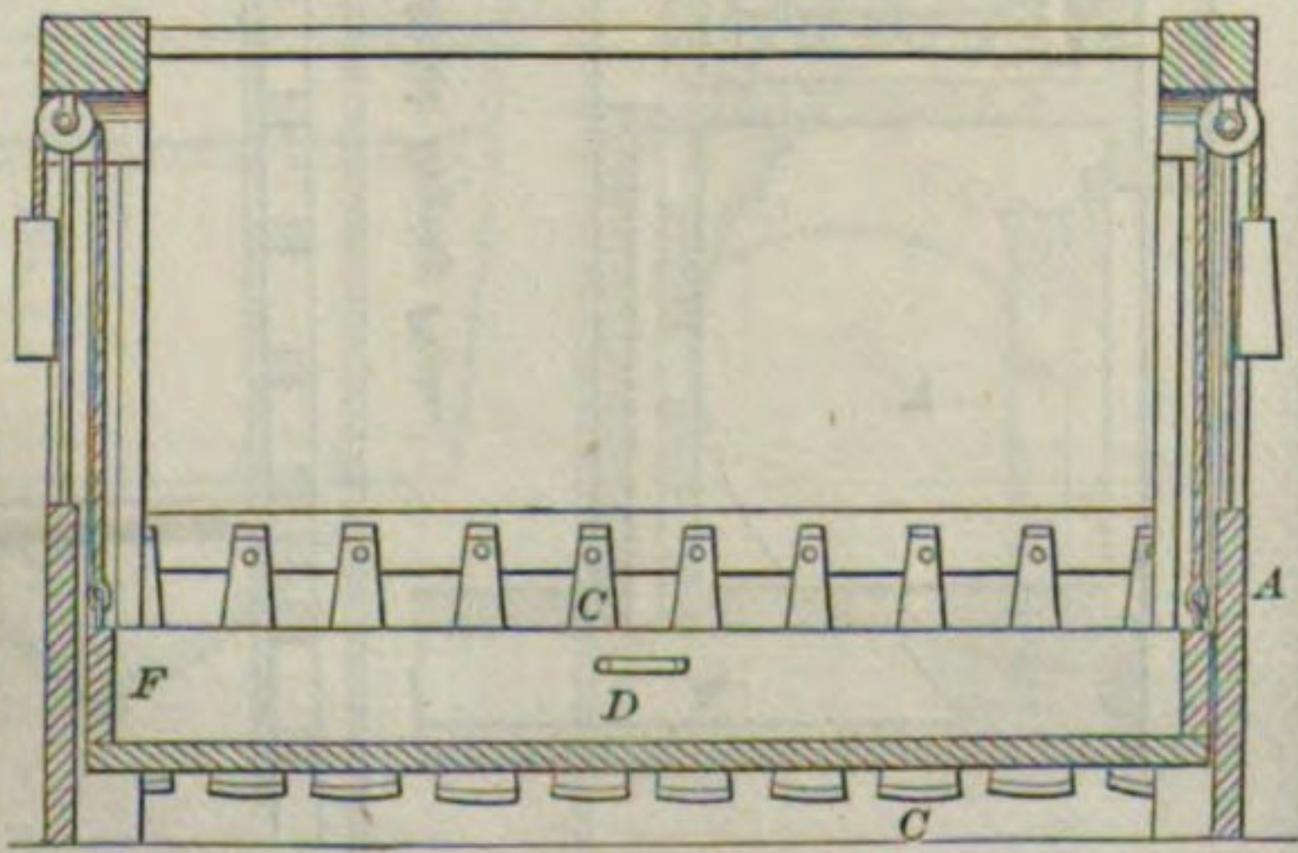
55369—H. Sargent—*Truss.*



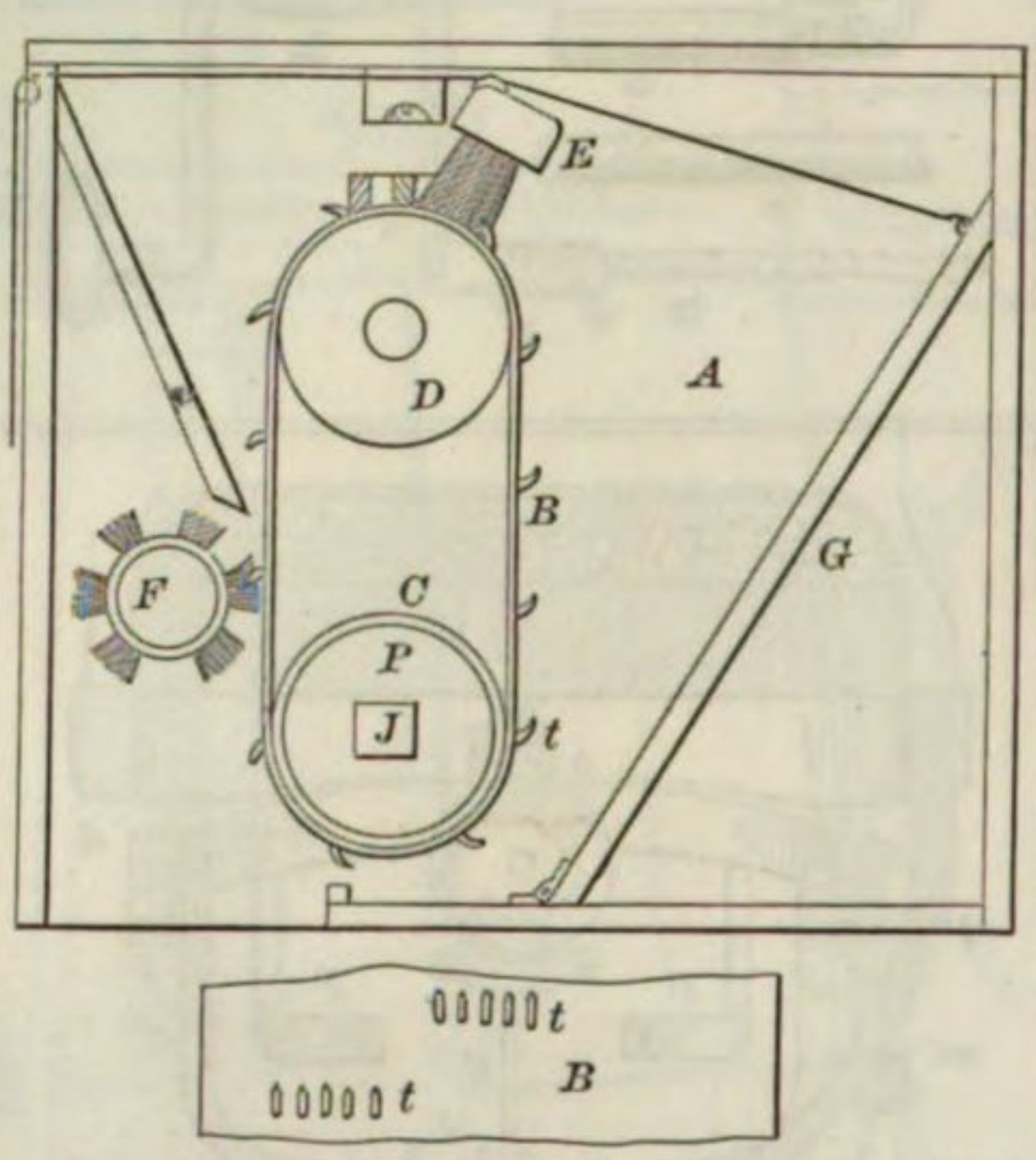
55365—Ritson & Brigg—*Hoe.*



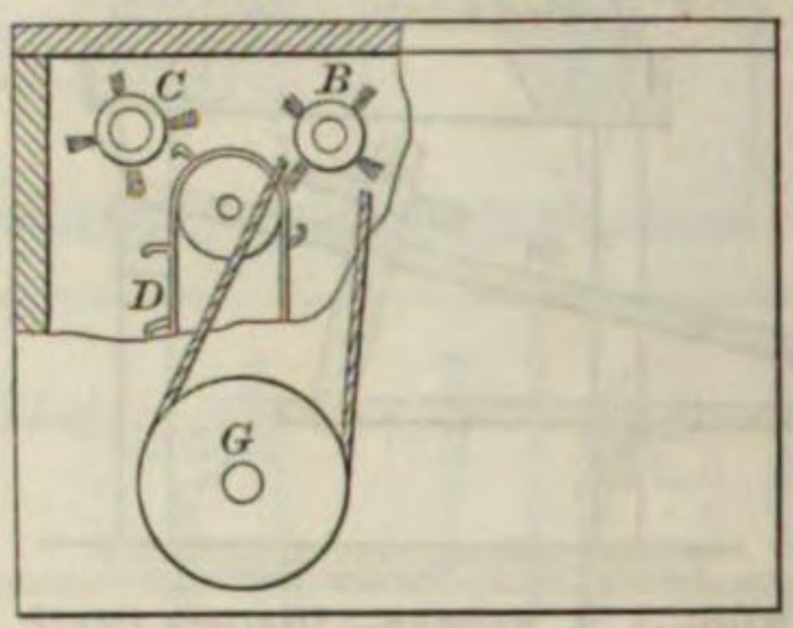
55370—D. F. Sexton—*Sheep Rack.*



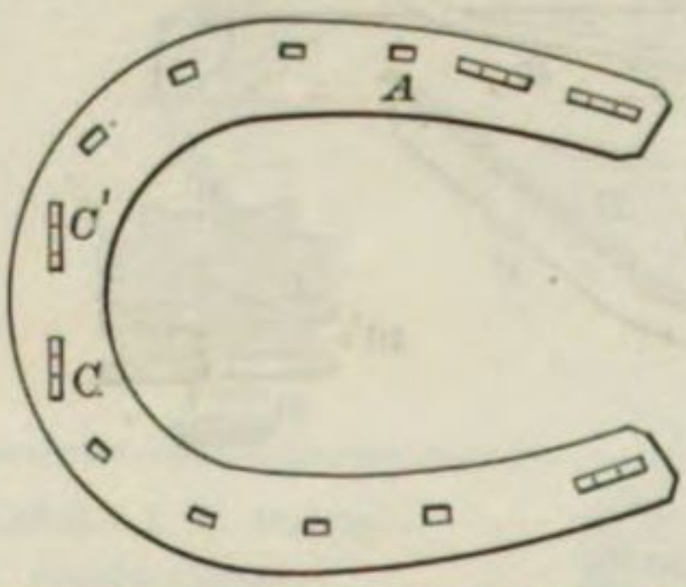
55372—N. B. Sherwood—*Cotton Seed Planter.*



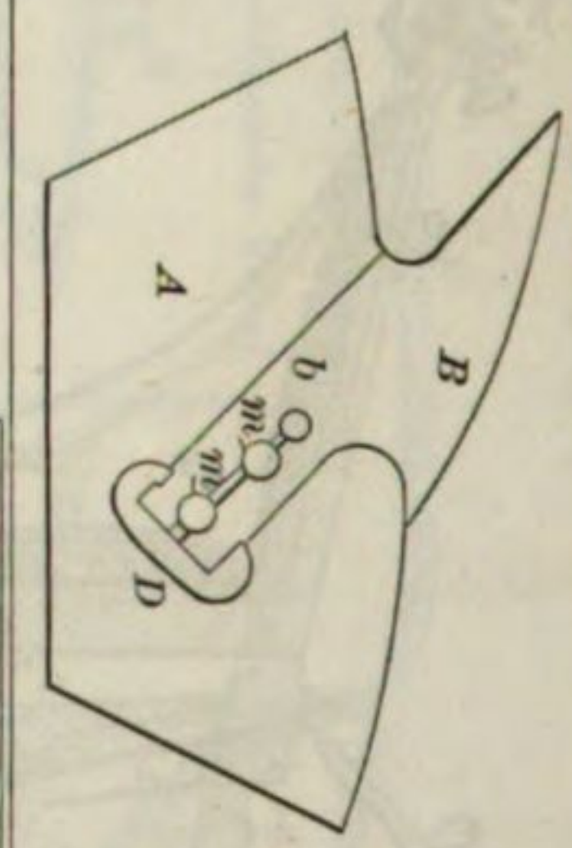
55373—N. B. Sherwood—*Cotton Seed Planter.*



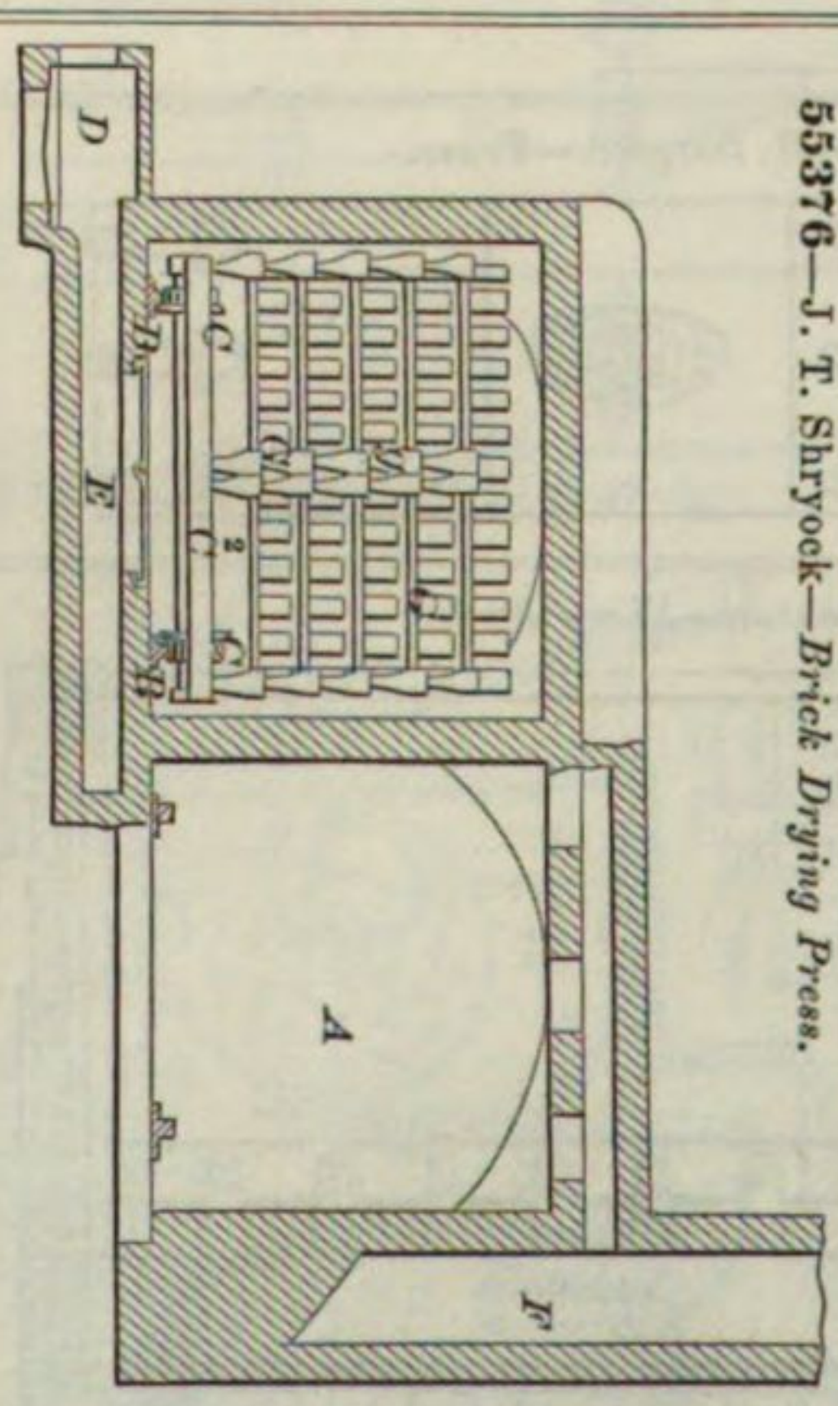
55374—F. Shinn—*Horse Shoe.*



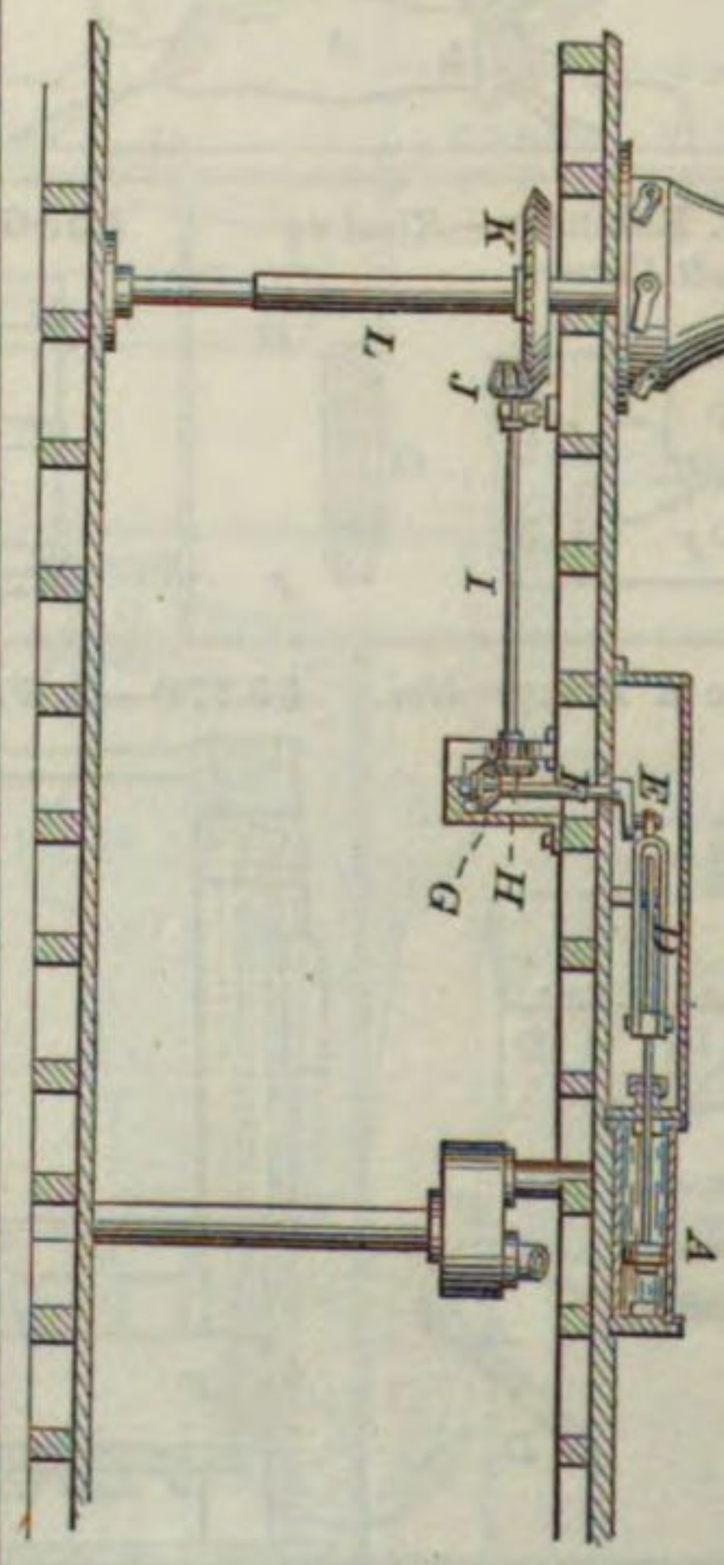
55375—C. T. Shoemaker—*Saw.*



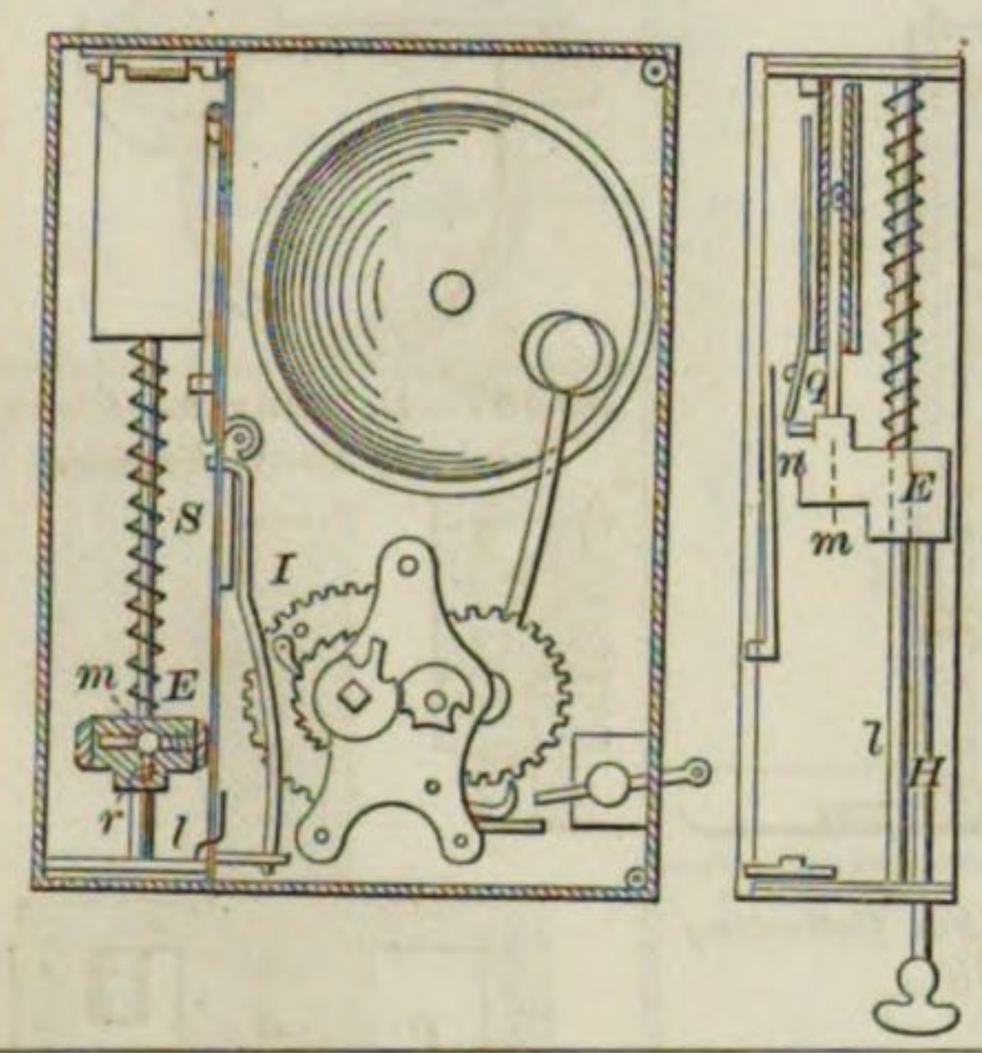
55376—J. T. Shryock—*Brick Drying Press.*



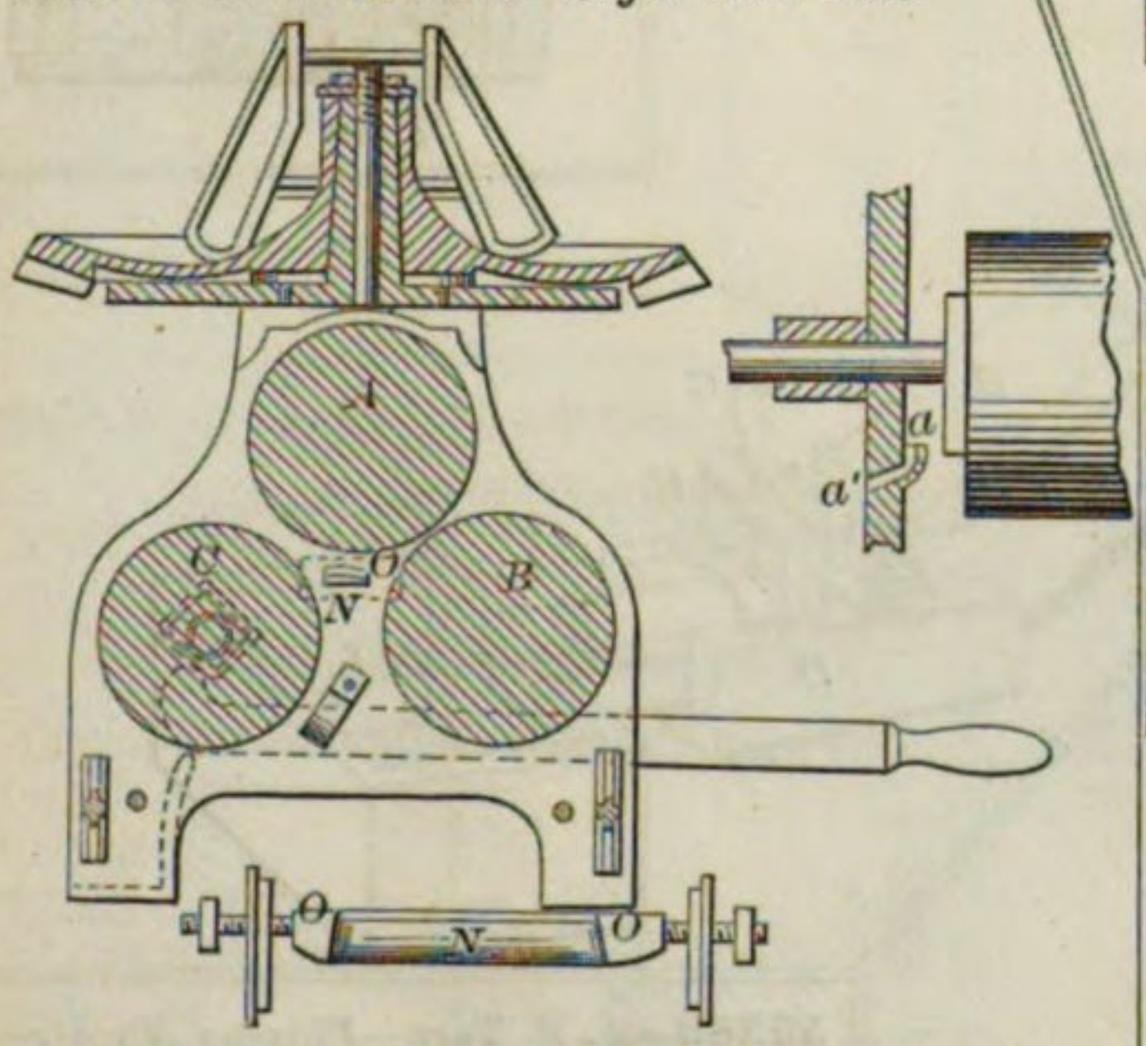
55377—L. Simkins—*Working Ships' Pumps.*



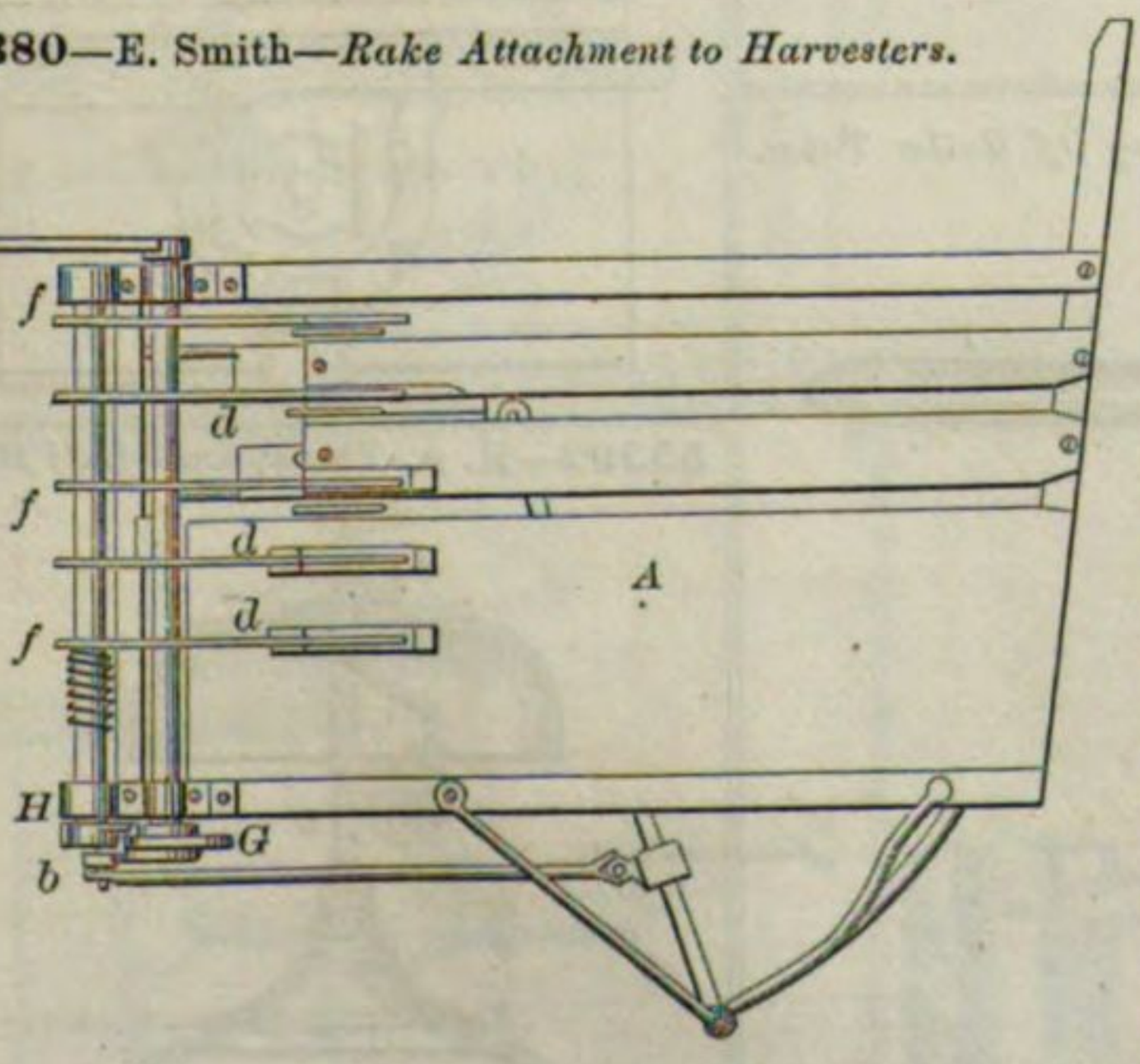
55378—G. Simpson—*Burglar Alarm.*



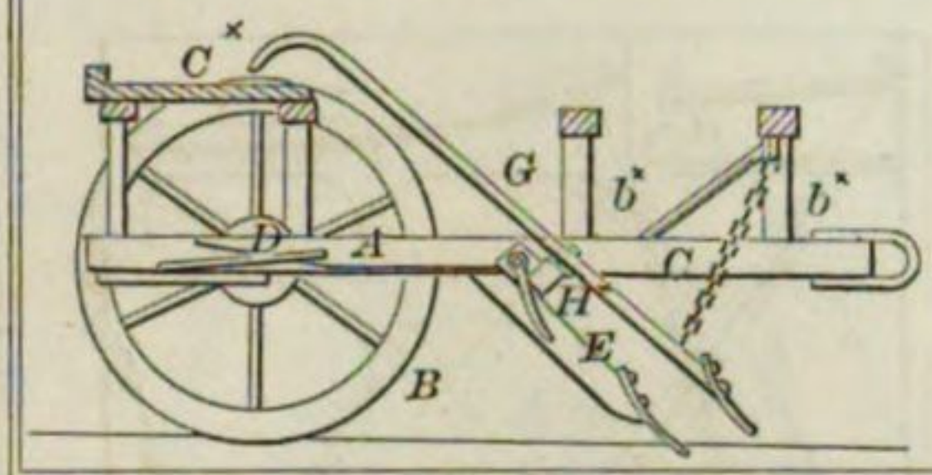
55379—E. W. Skinner—*Sugar Cane Mill.*



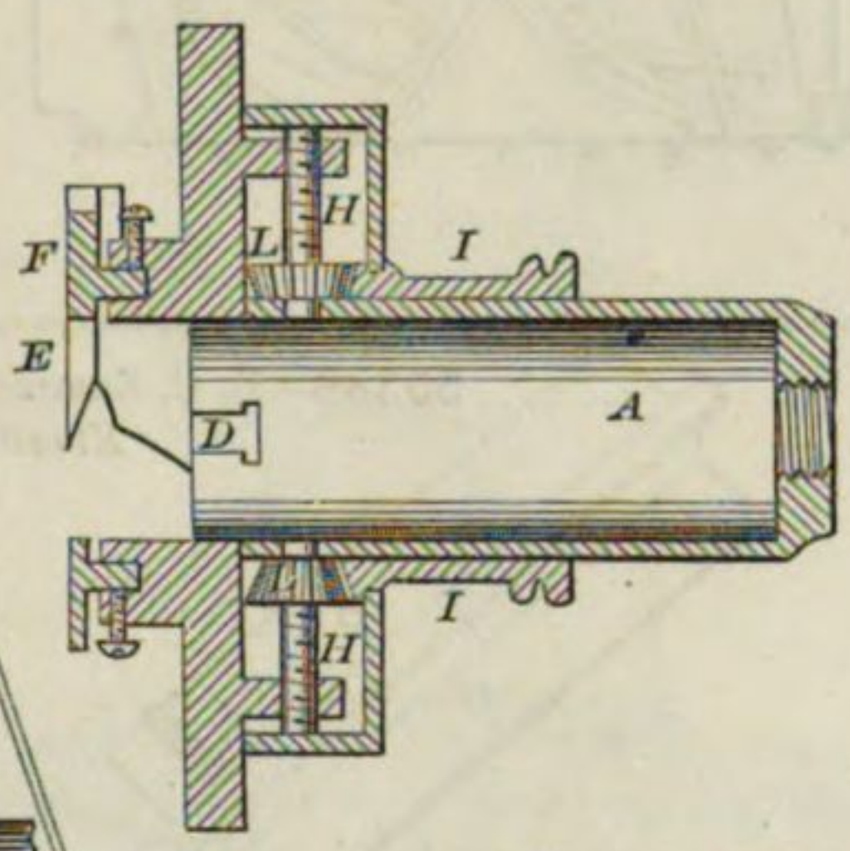
55380—E. Smith—*Rake Attachment to Harvesters.*



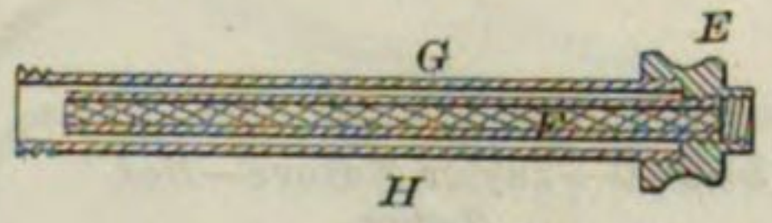
55381—H. B. Smith—*Cultivator.*



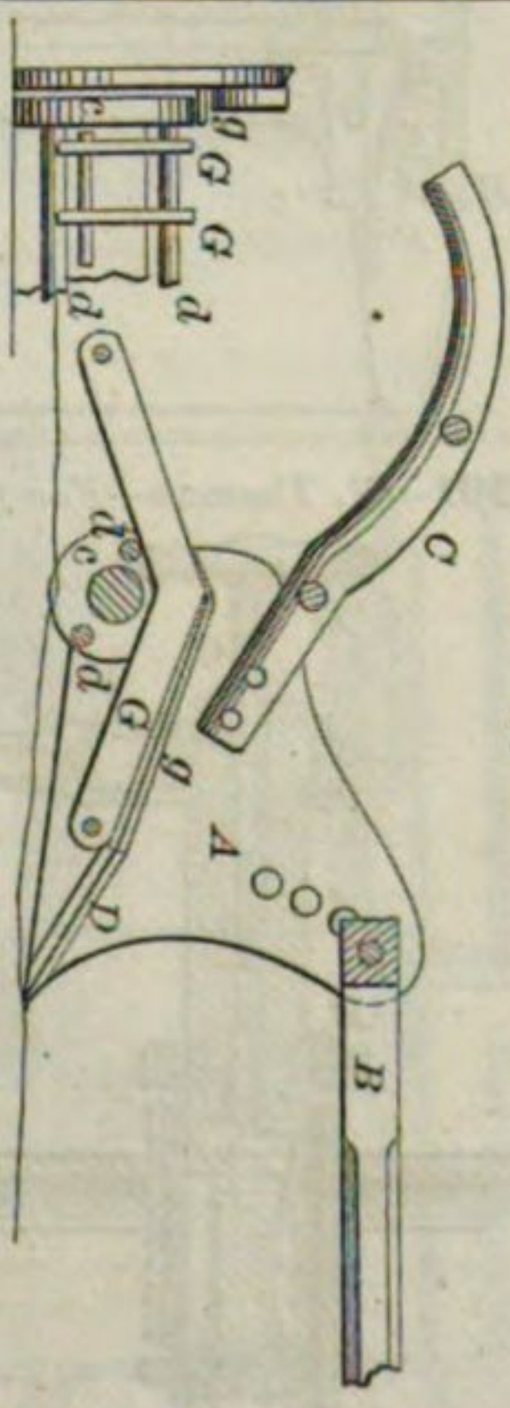
55382—J. M. Smith—*Hollow Auger.*



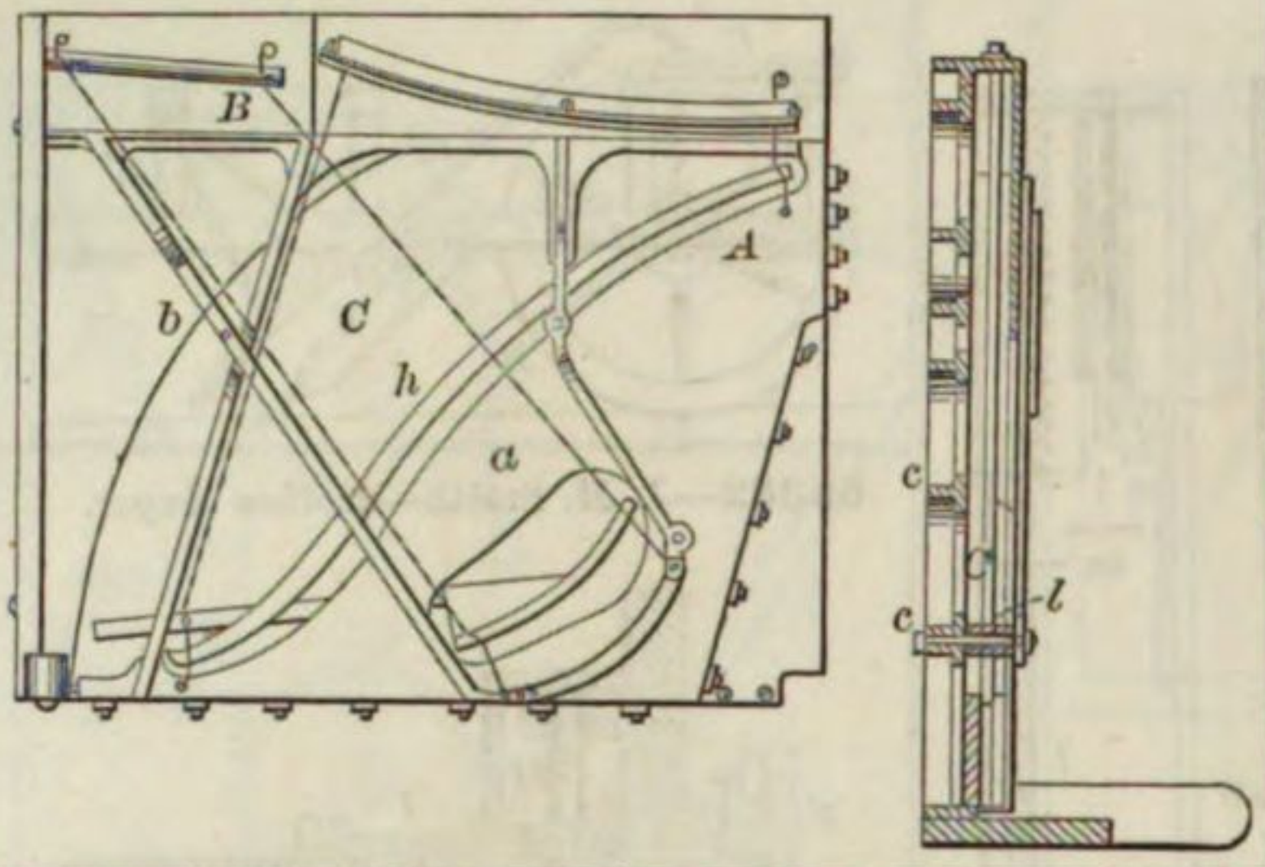
55383—W. H. Smith—*Vapor Burner.*



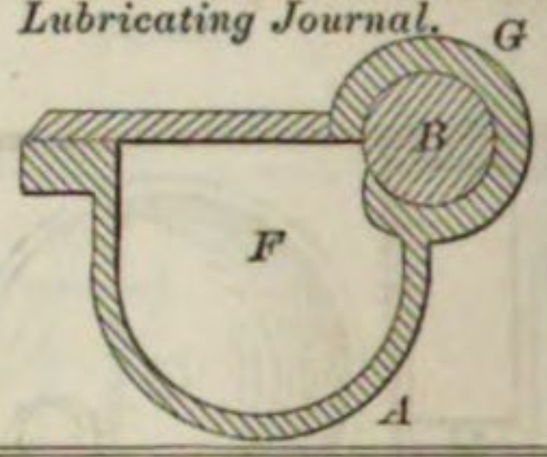
55384—S. Soules—*Potato Digger.*



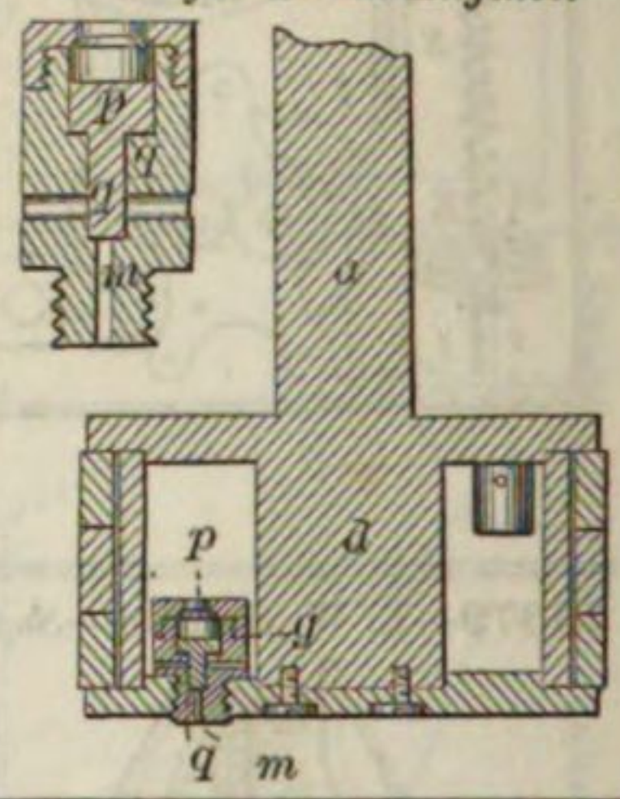
55385—W. Steinway—*Piano Forte.*



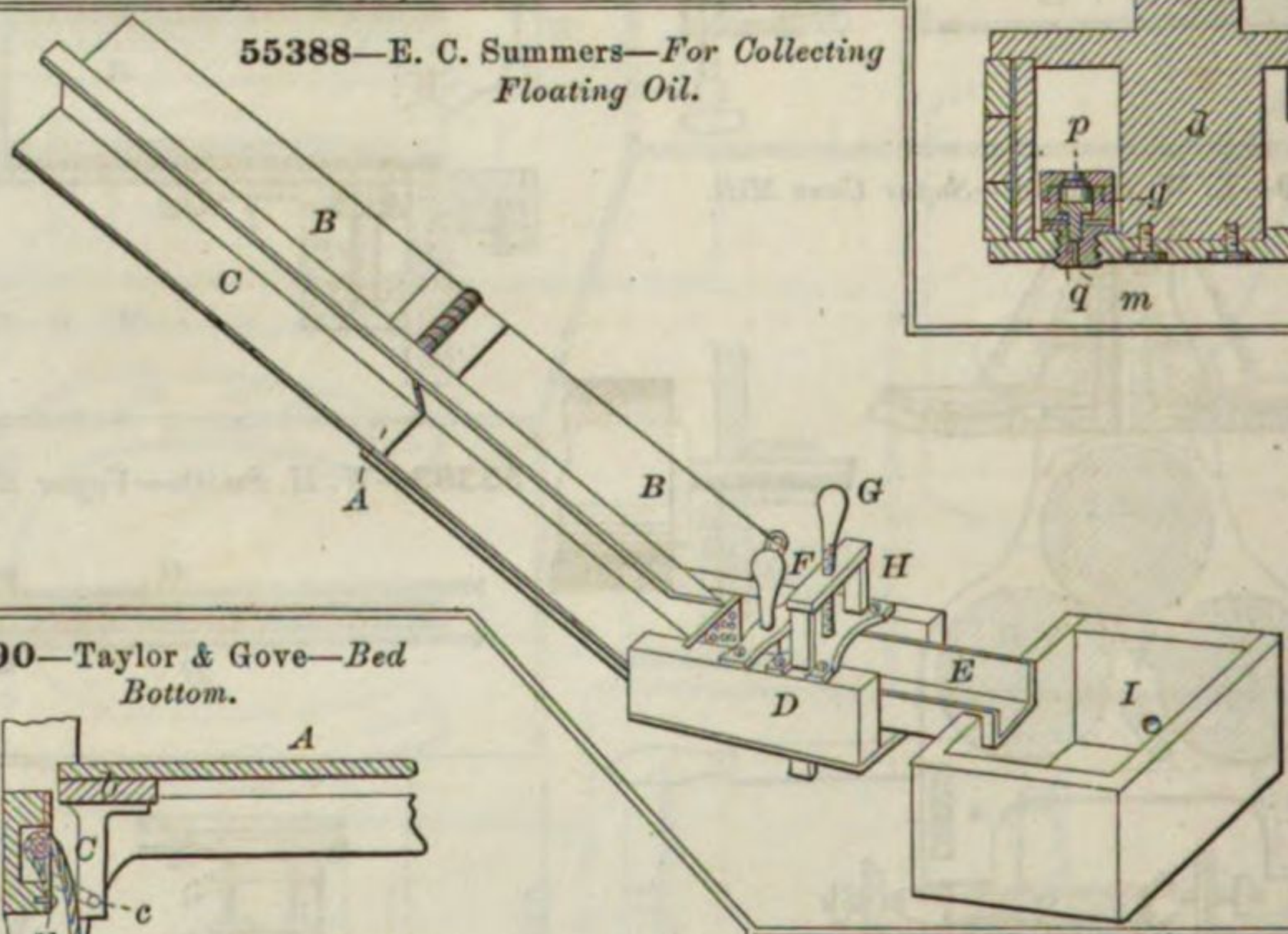
55386—J. J. Stevenson—*Lubricating Journal.*



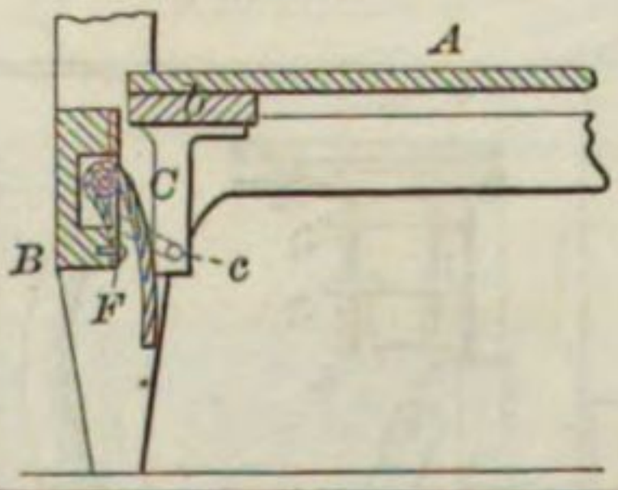
55387—E. Sullivan—*Piston Head for Steam Engines.*



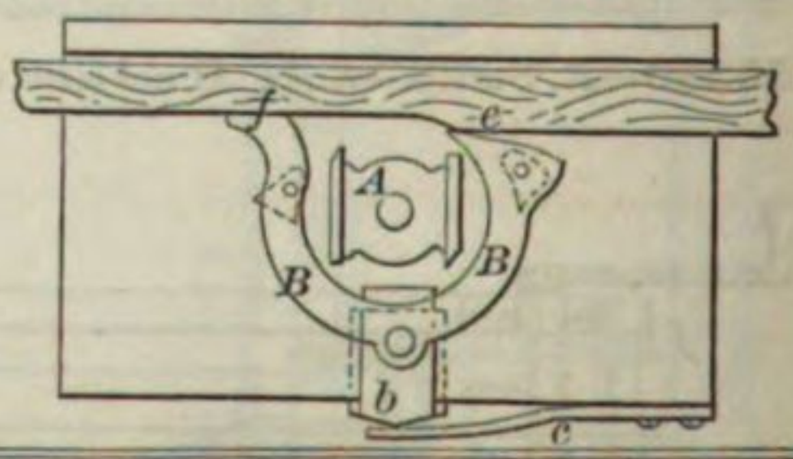
55388—E. C. Summers—*For Collecting Floating Oil.*



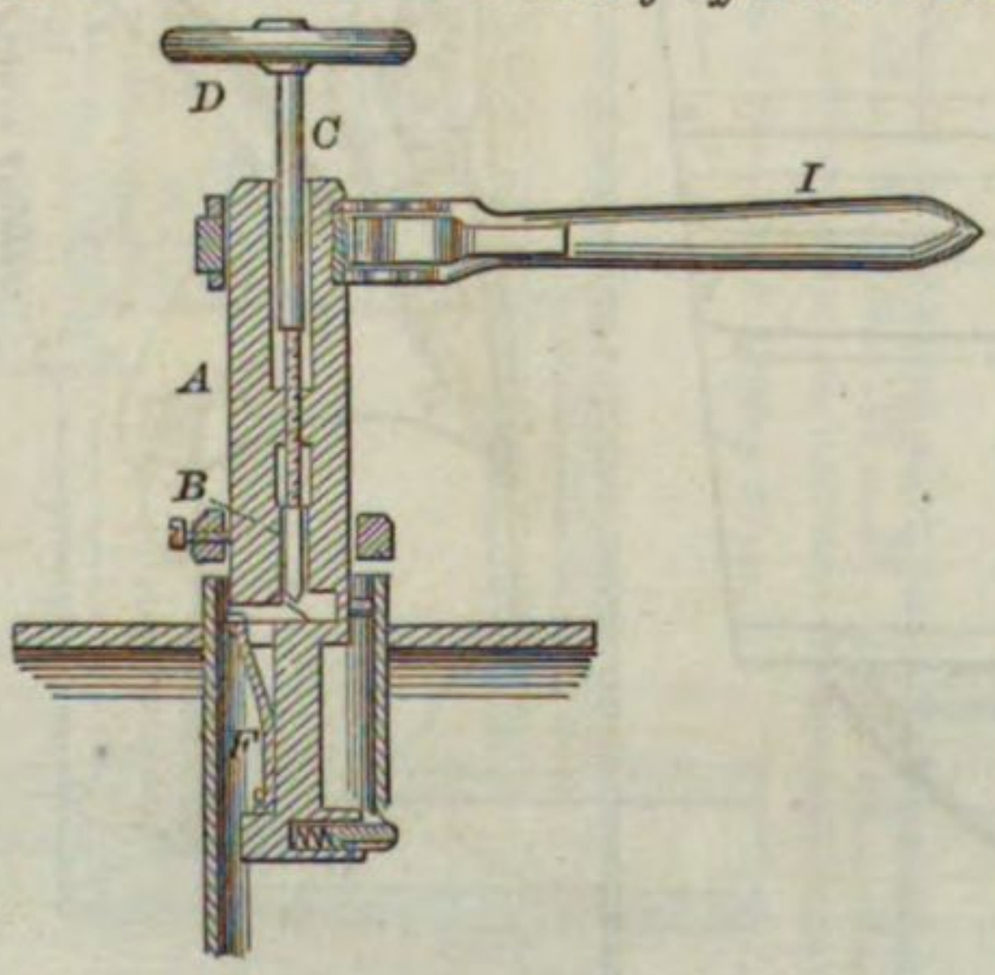
55390—Taylor & Gove—*Bed Bottom.*



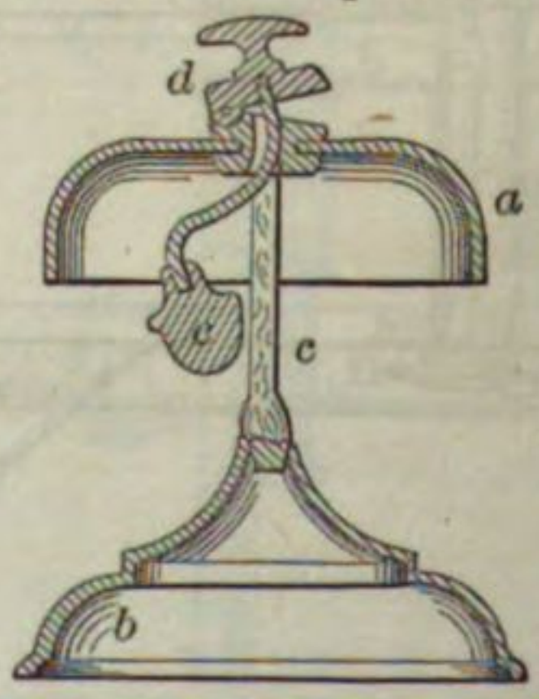
55389—J. B. Tarr—*Planing Machine.*



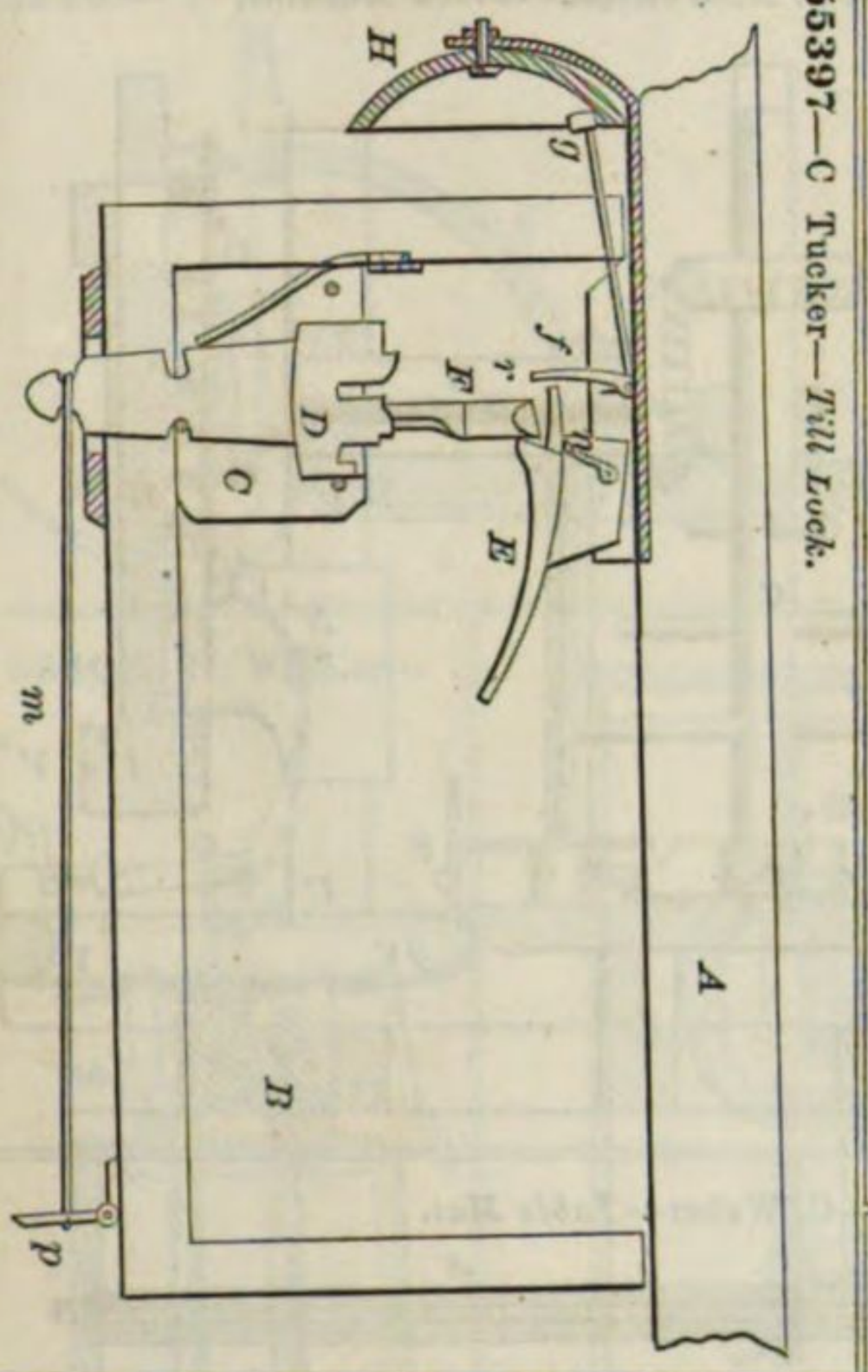
55391—N. Thomas—*For Cutting Off Boiler Tubes.*



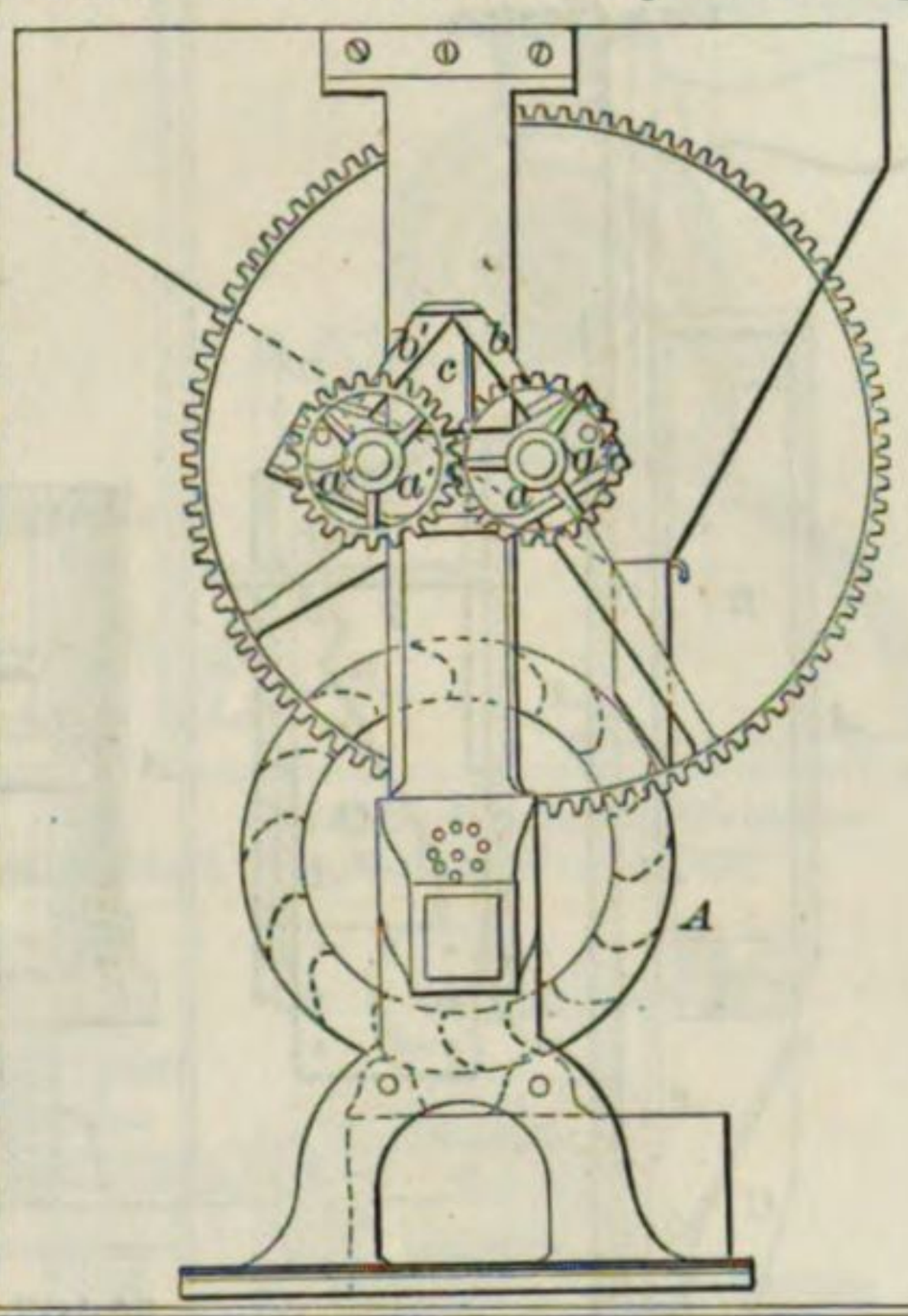
55392—H. A. Thompson—*Call Bell.*



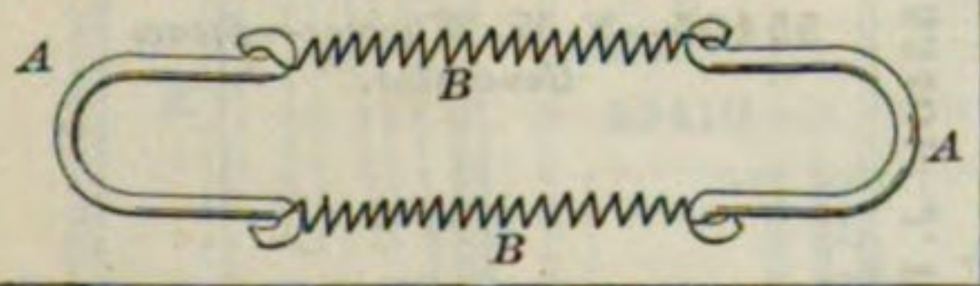
55397—C Tucker—*Till Lock.*



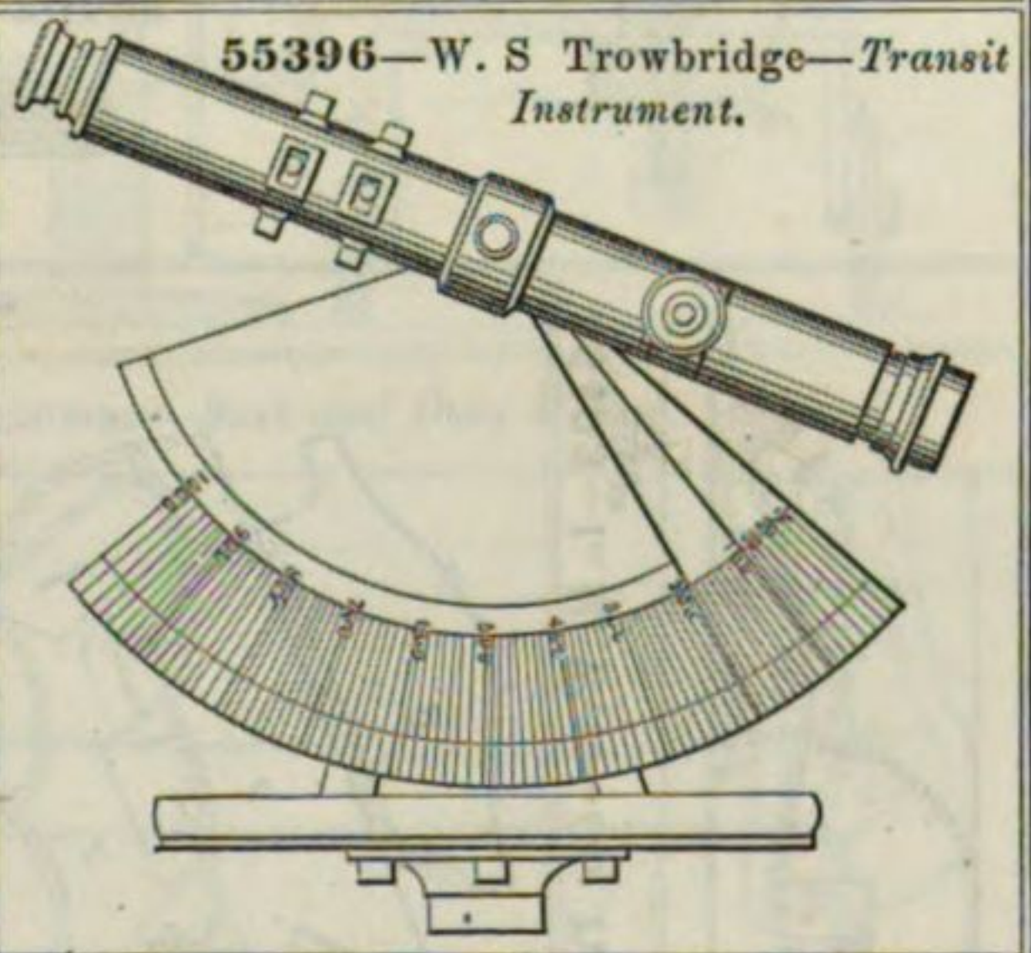
55393—R. H. Thurston—*Magnesium Lamp.*



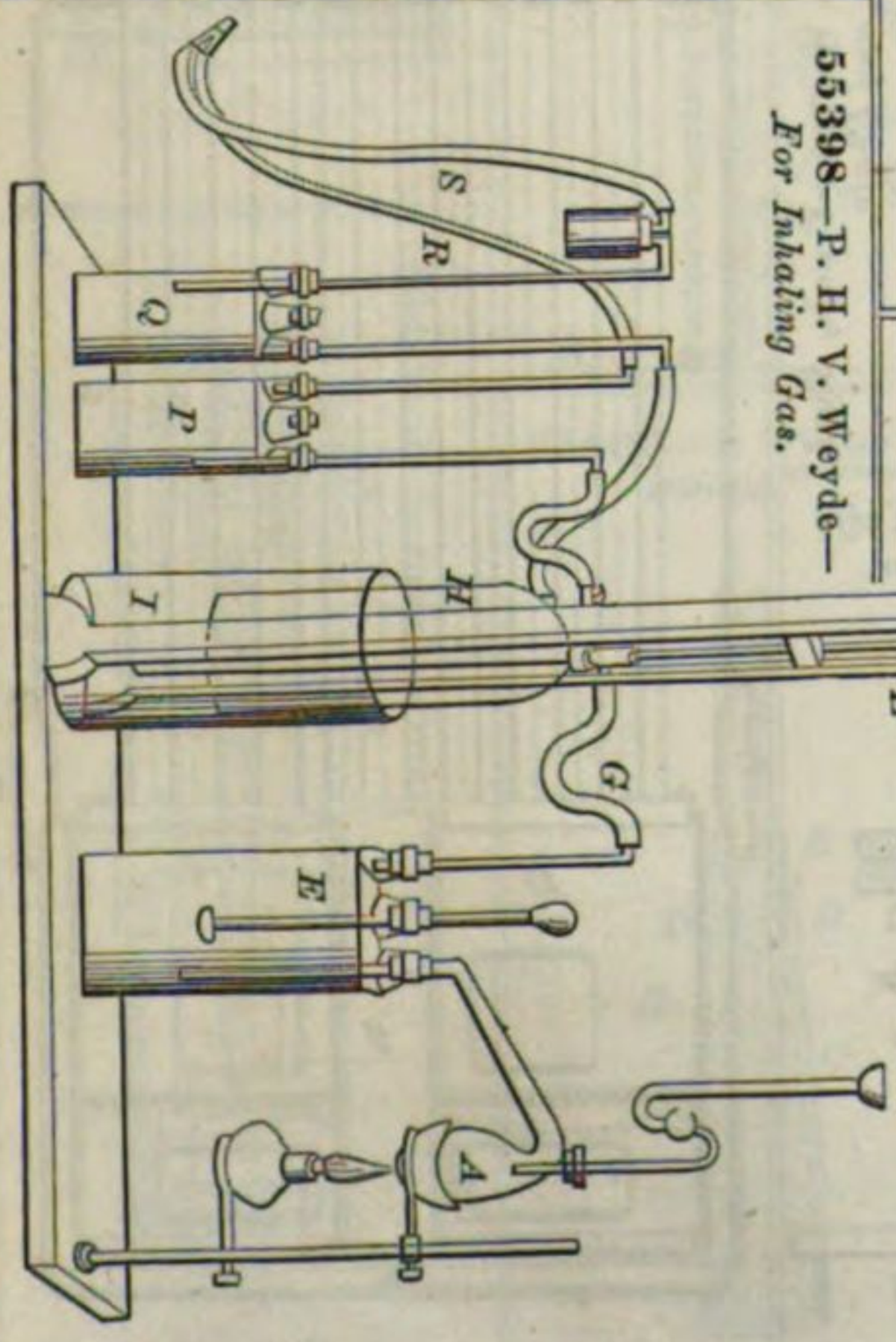
55394—H. Tilden—*Broom Clasp.*



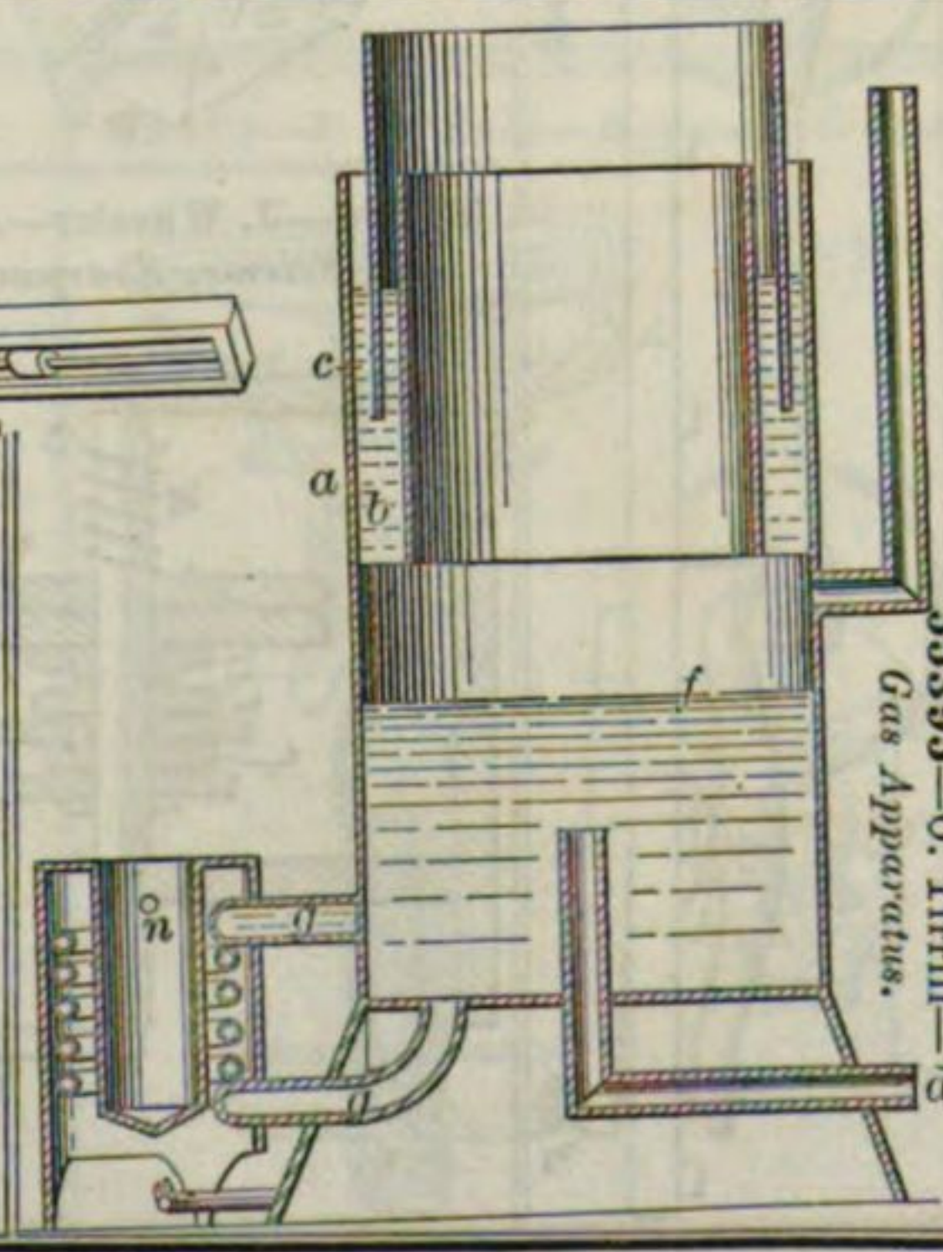
55396—W. S Trowbridge—*Transit Instrument.*



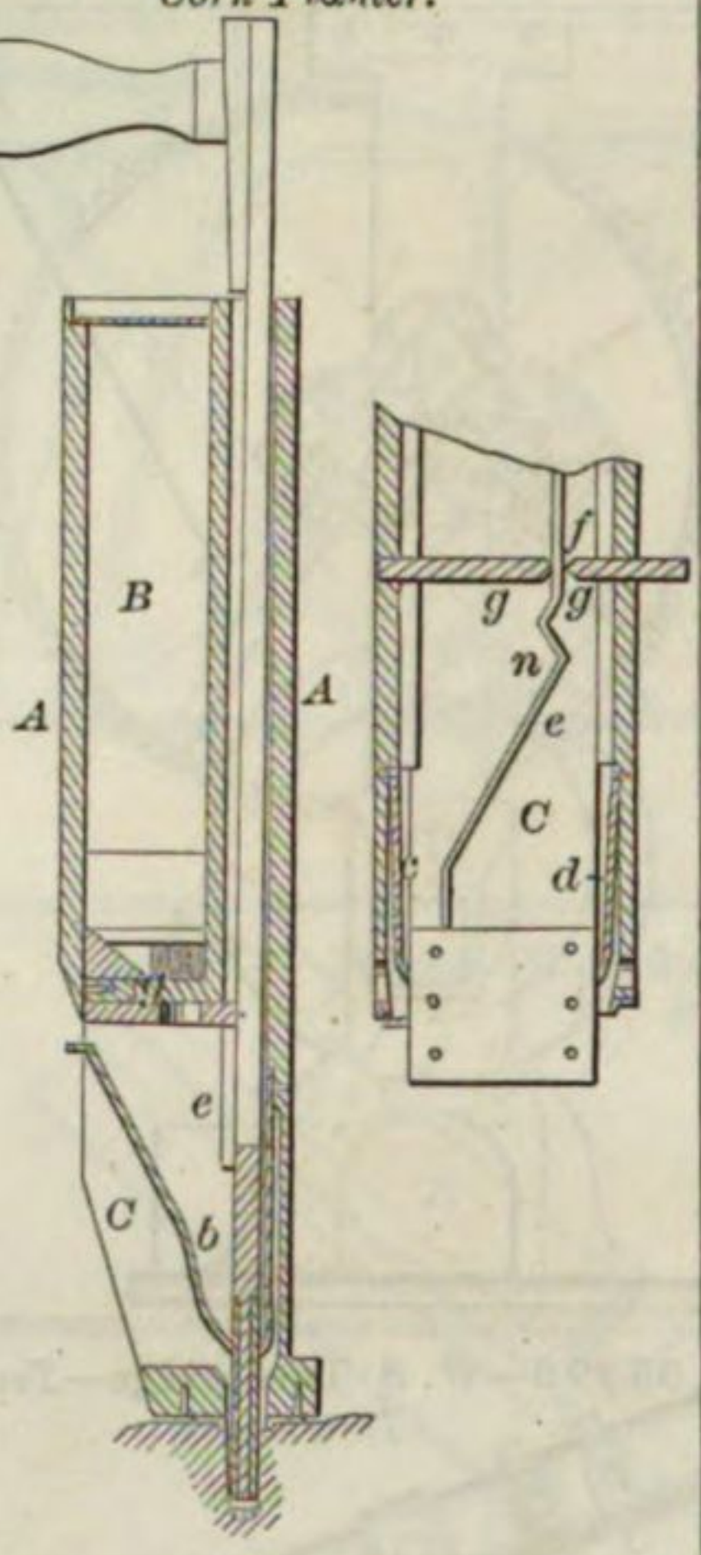
55398—P. H. V. Weyde—*For Inhaling Gas.*



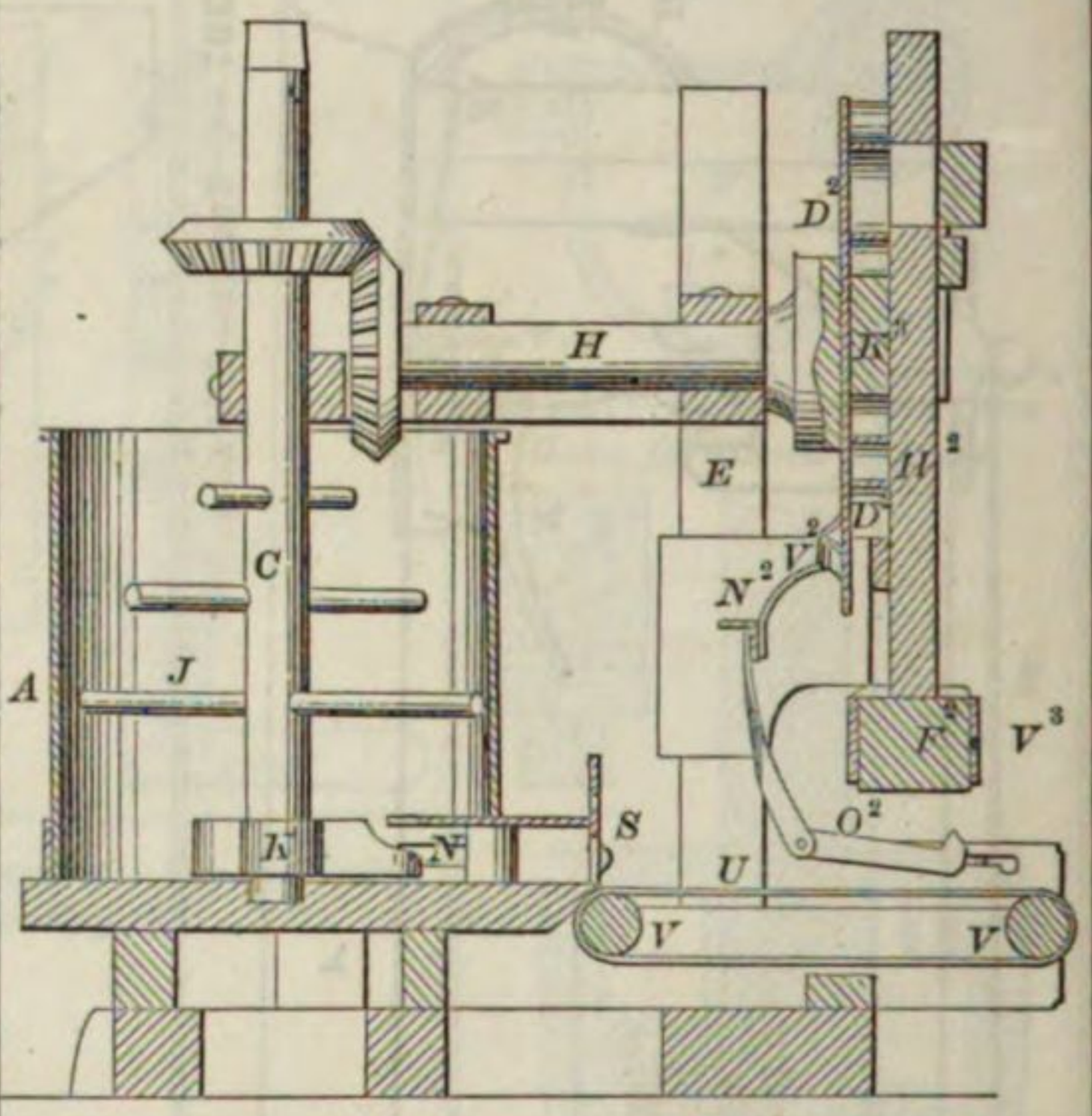
55395—O. Tirrill—*Gas Apparatus.*



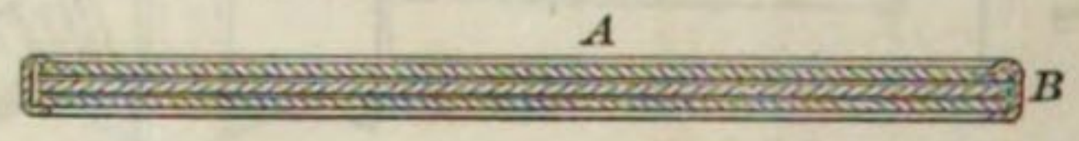
55399—C. A. Wakefield—*Hand Corn Planter.*



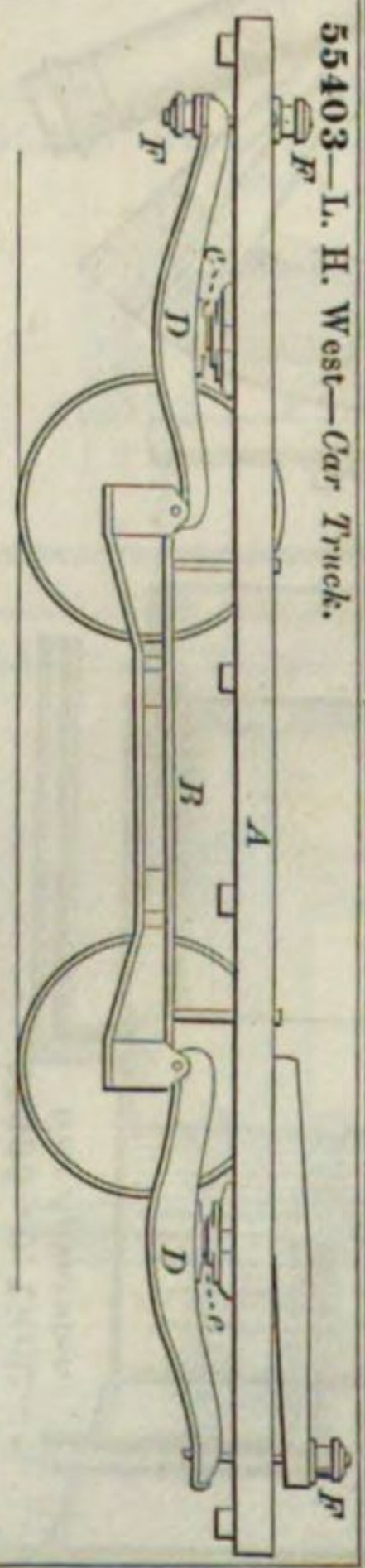
55400—P. N. Woliston—*Brick Machine.*



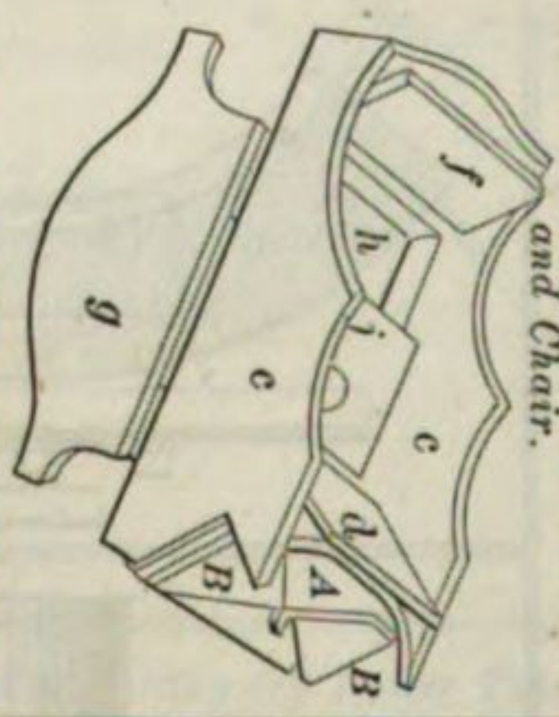
55402—C. Weber—*Table Mat.*



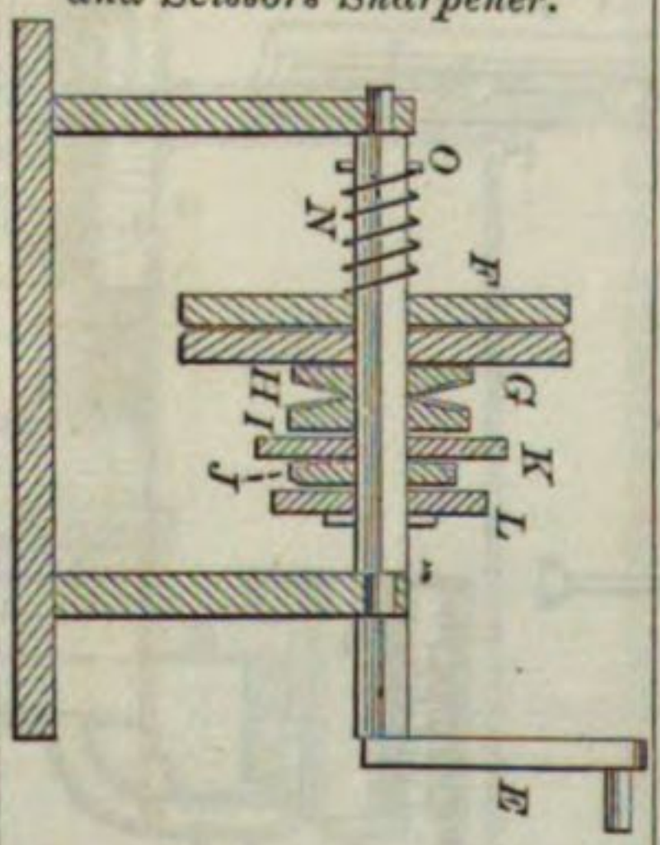
55403—L. H. West—*Car Truck.*



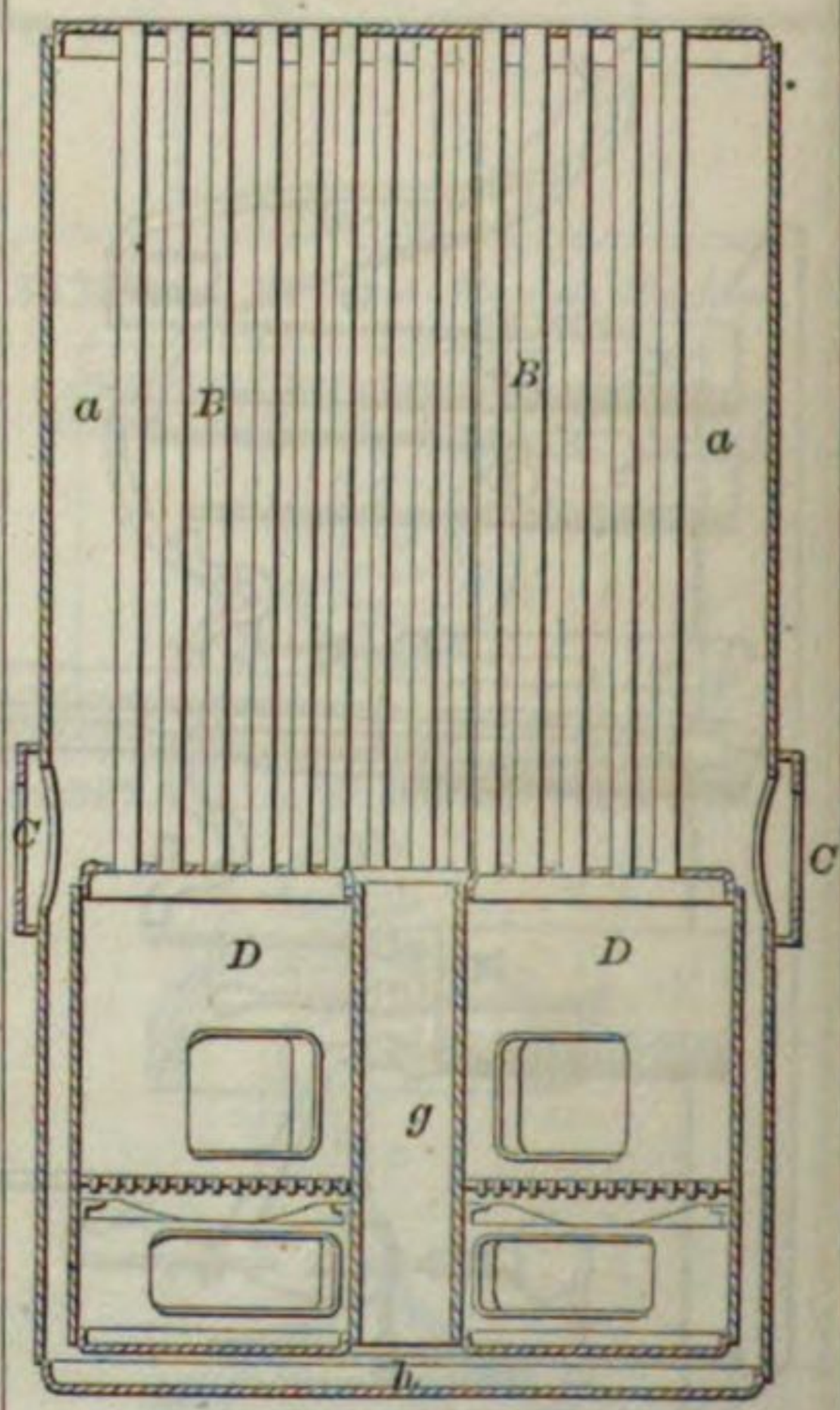
55401—J. B. Warren—*Cradle, Stool, and Chair.*



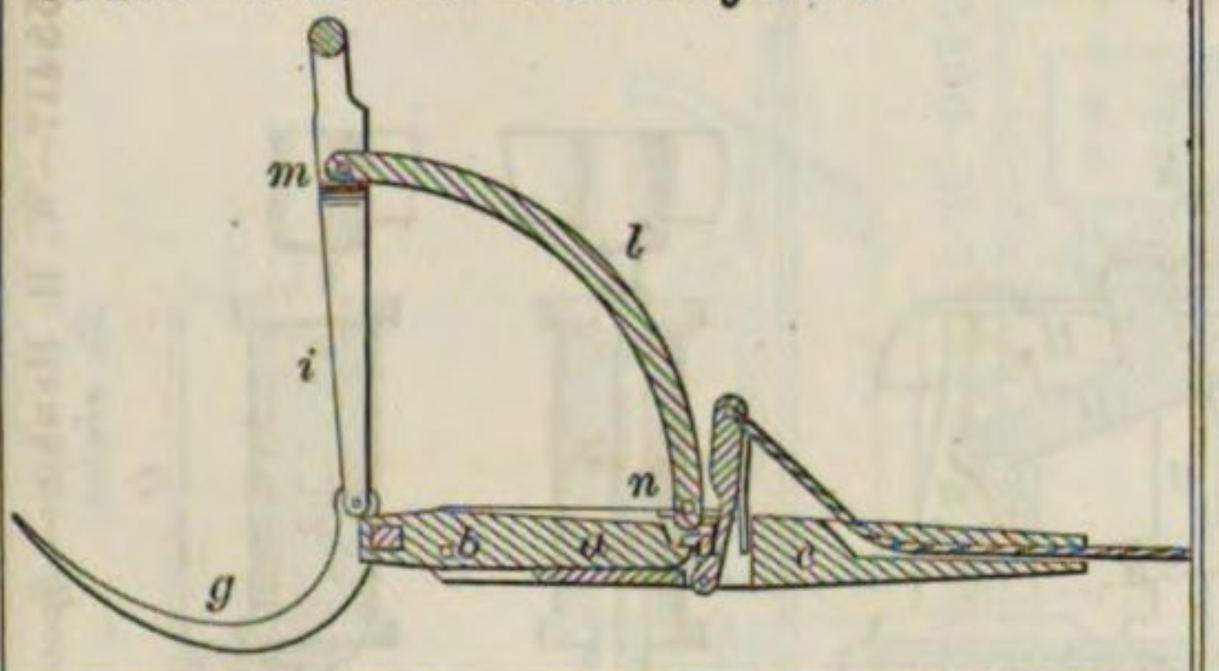
55404—J. Wheeler—*Knife and Scissors Sharpener.*



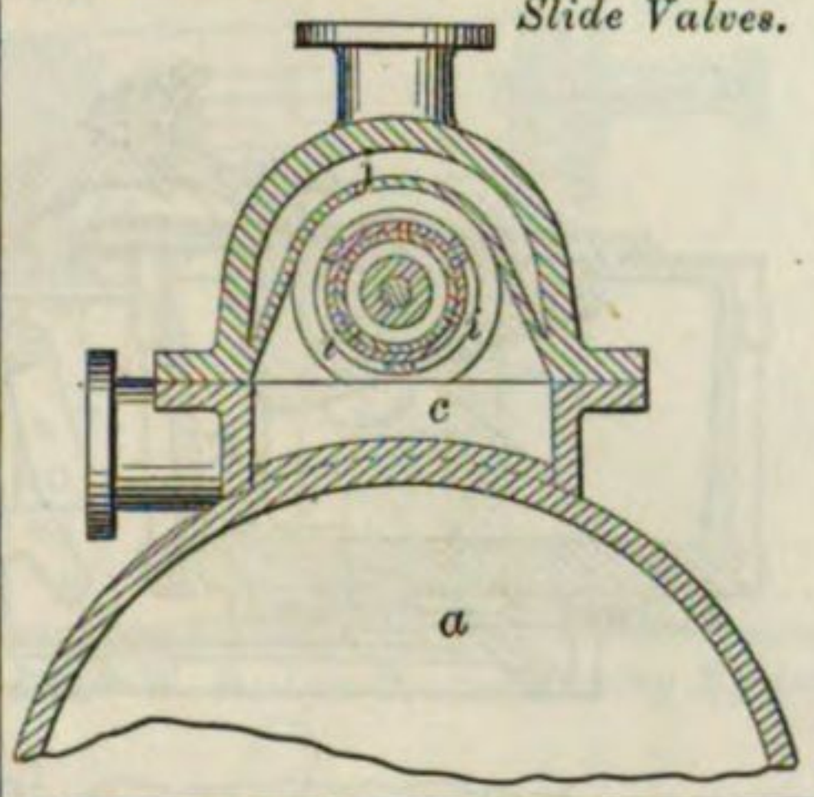
55405—N. W. Wheeler—*Steam Generator.*



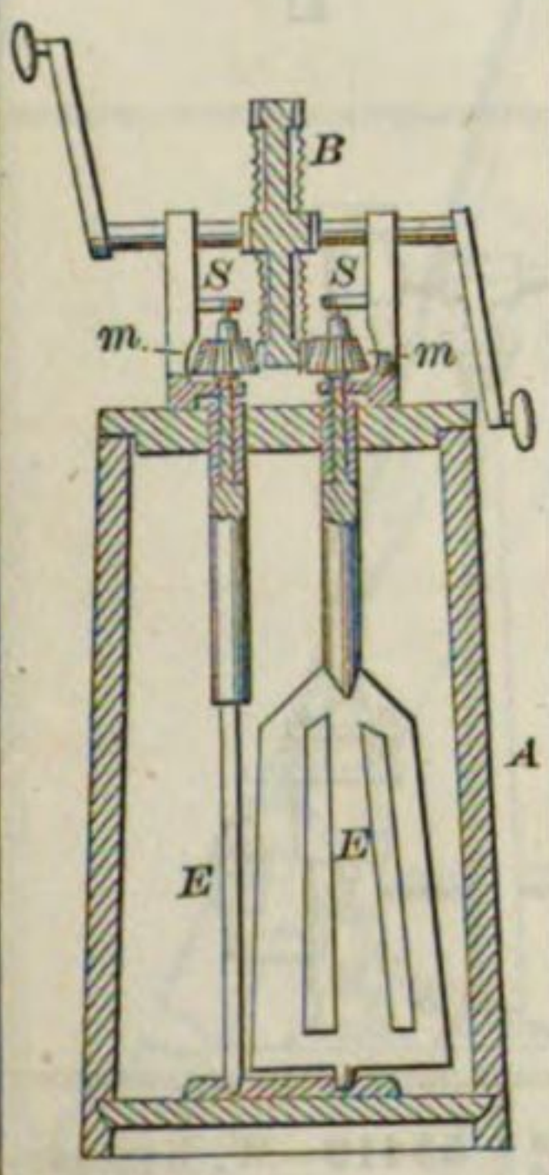
55408—P. A. Wise—*Horse Hay Fork.*



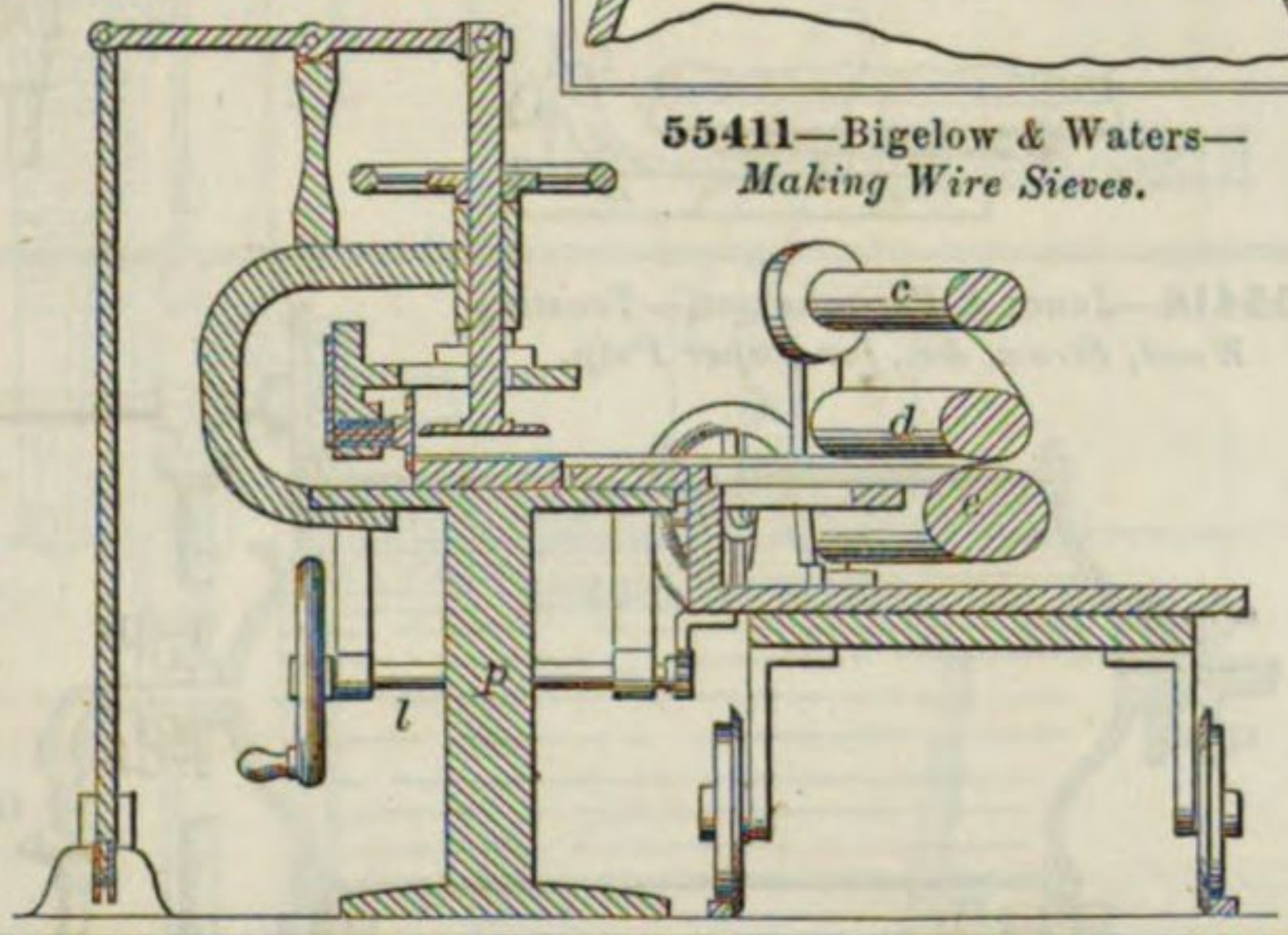
55406—N. W. Wheeler—*Packing Slide Valves.*



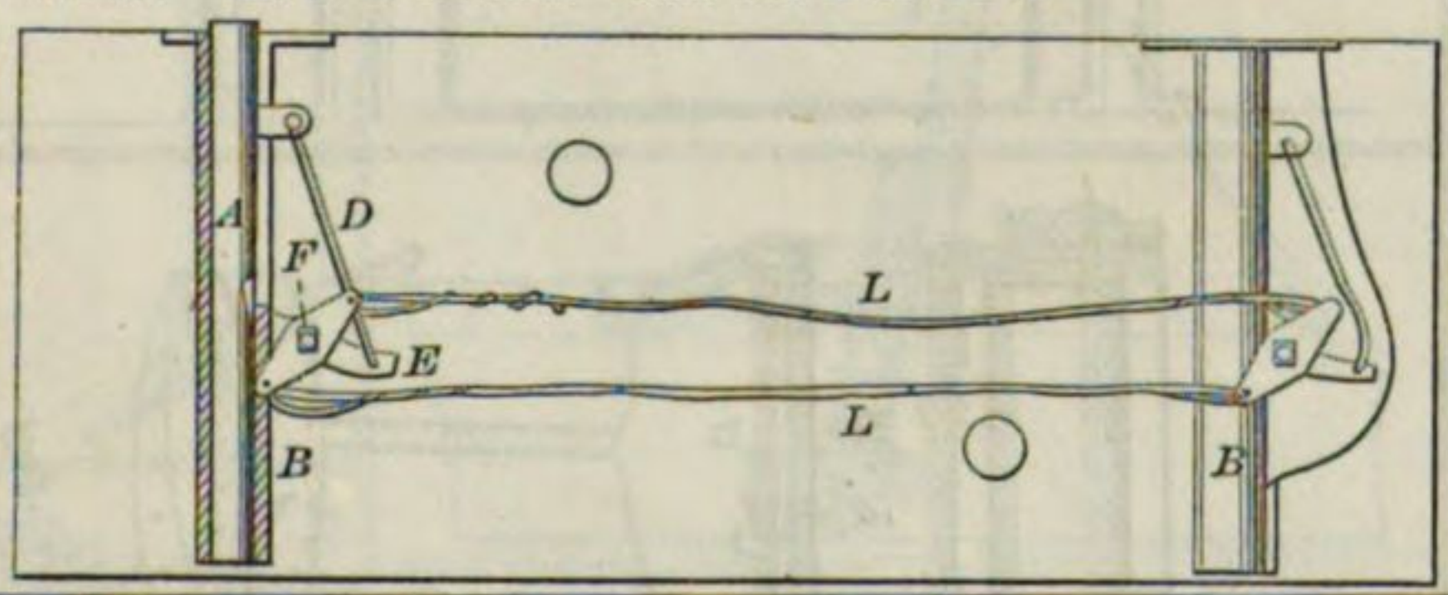
55407—H. Whisler—*Churn.*



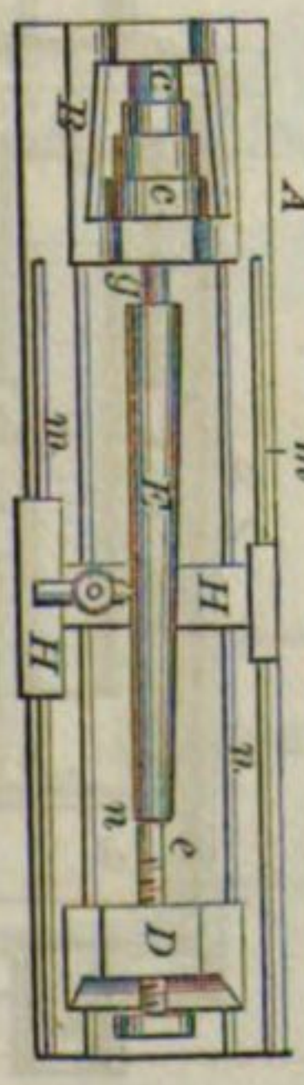
55411—Bigelow & Waters—*Making Wire Sieves.*



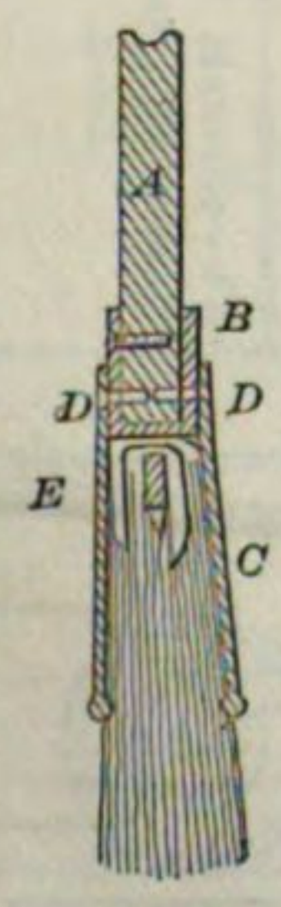
55410—H. T. Woodman—*Sash and Door Bolt.*



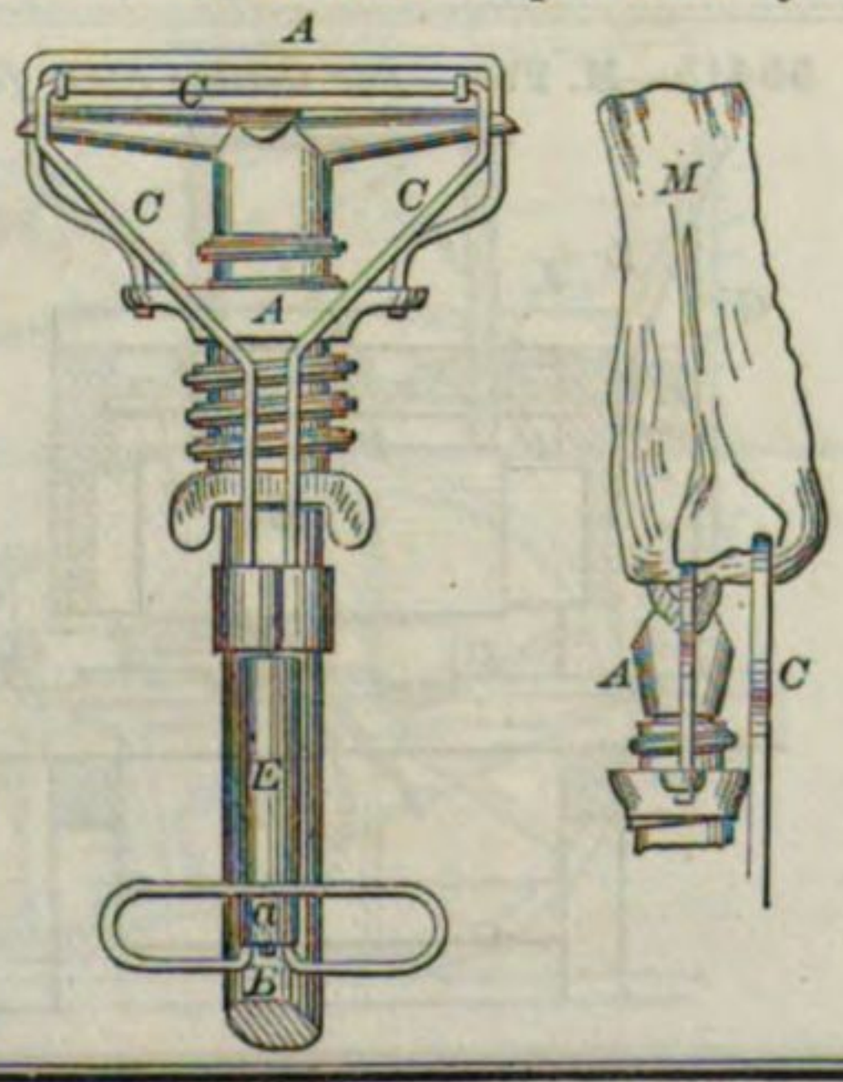
55412—L. L. Crane—*Lathe.*



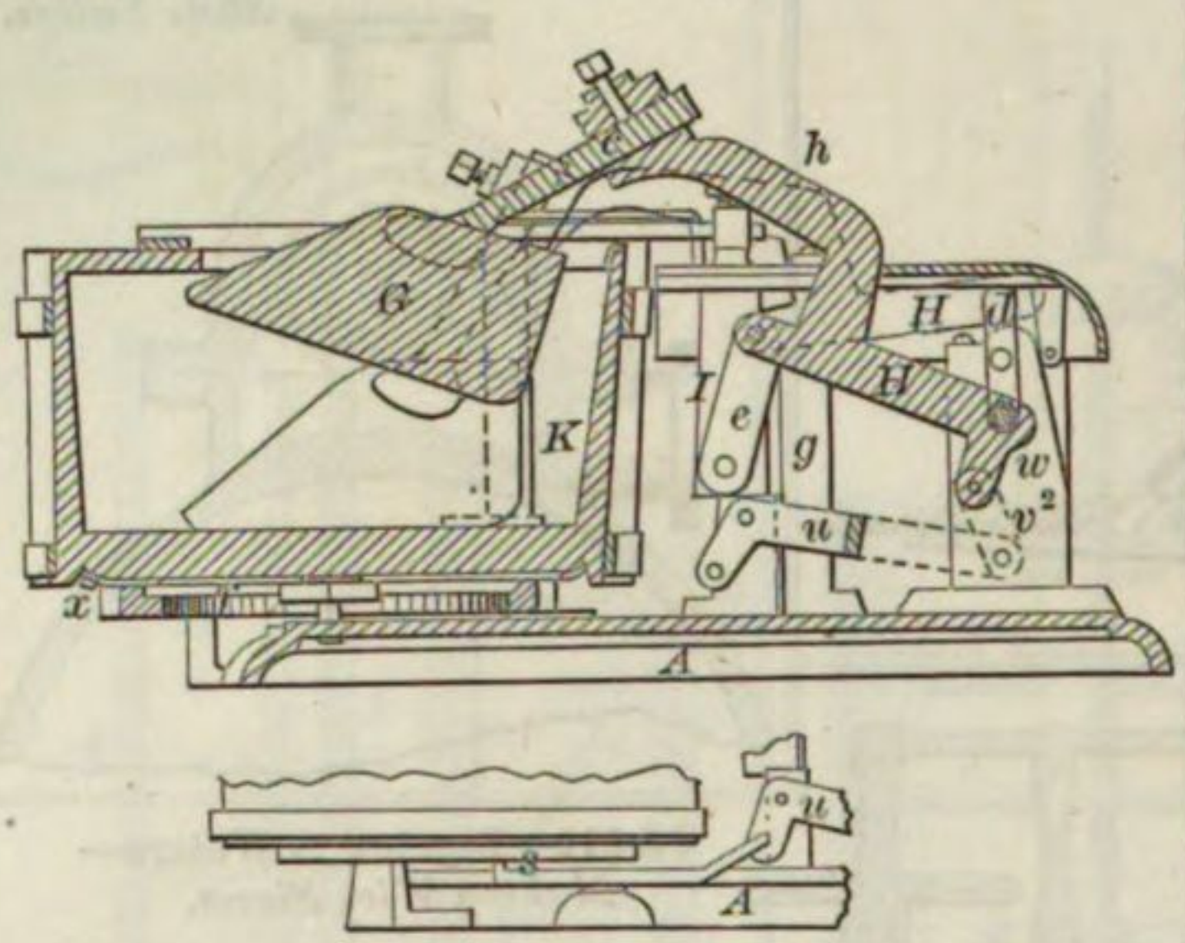
55409—J. Wisner—*Broom.*



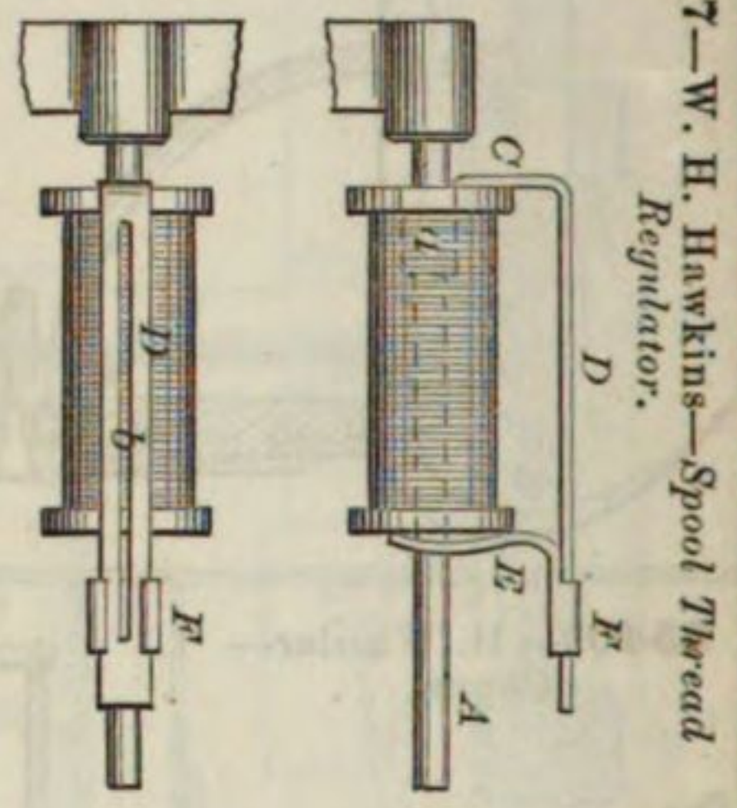
55413—J. M. Enos—*Mop and Wringer.*



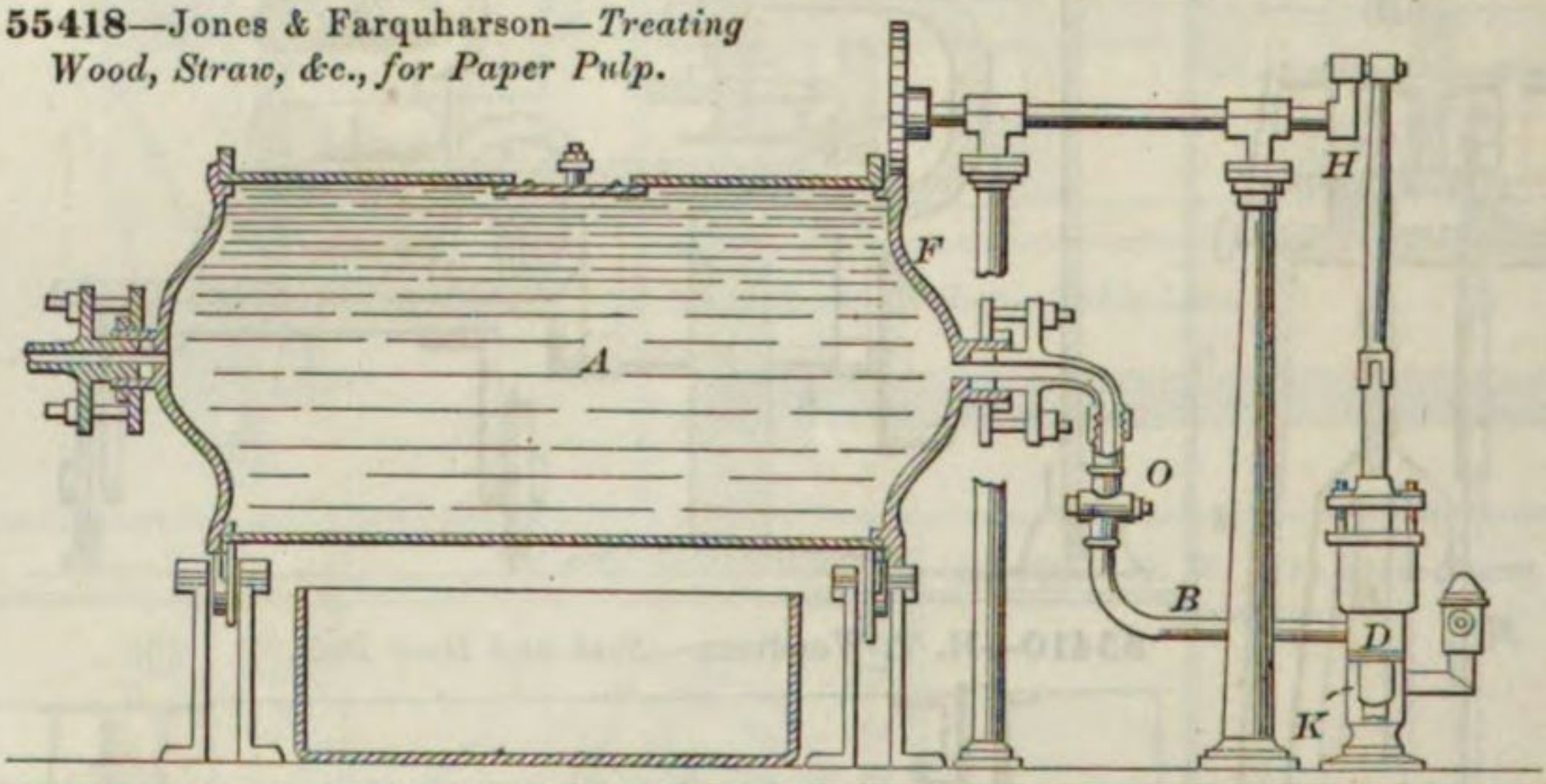
55414—C. A. Foster—*Meat Chopper.*



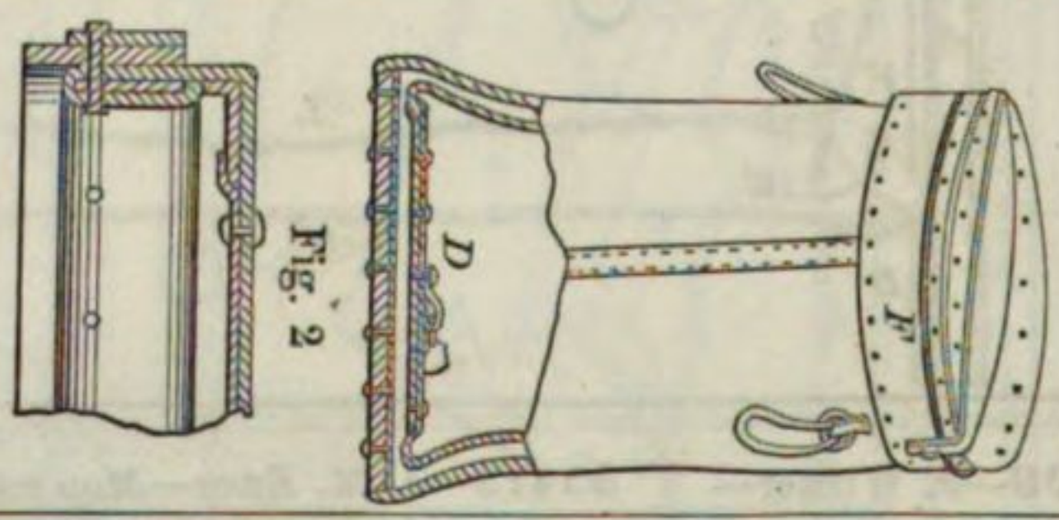
55417—W. H. Hawkins—*Spool Thread Regulator.*



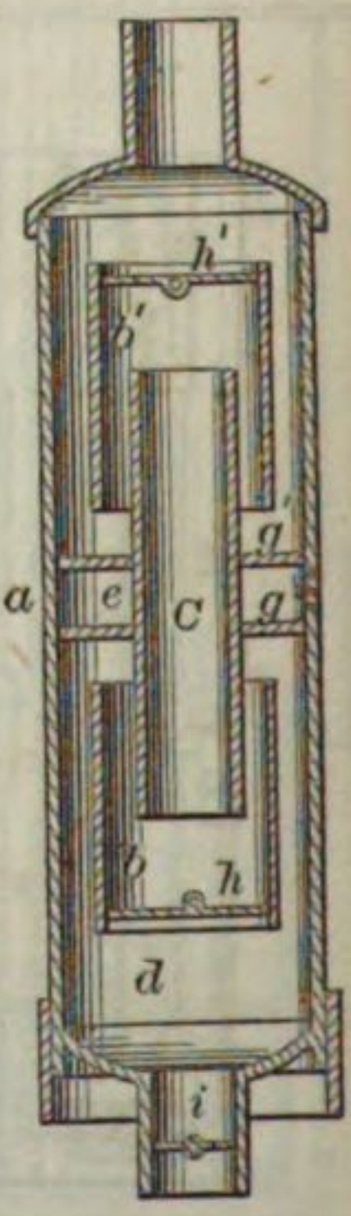
55418—Jones & Farquharson—*Treating Wood, Straw, &c., for Paper Pulp.*



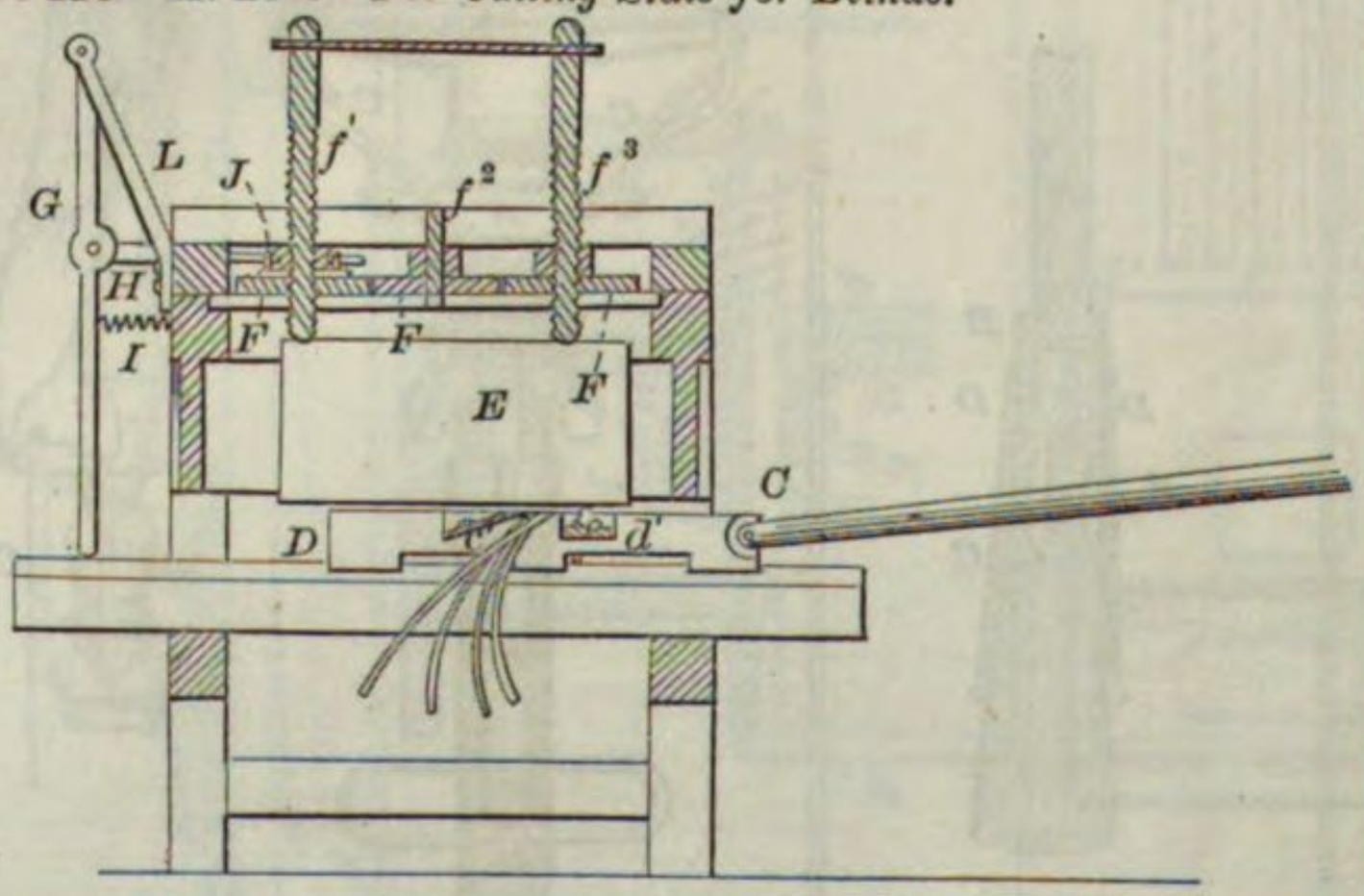
55416—J. Fye—*Mail Bag.*



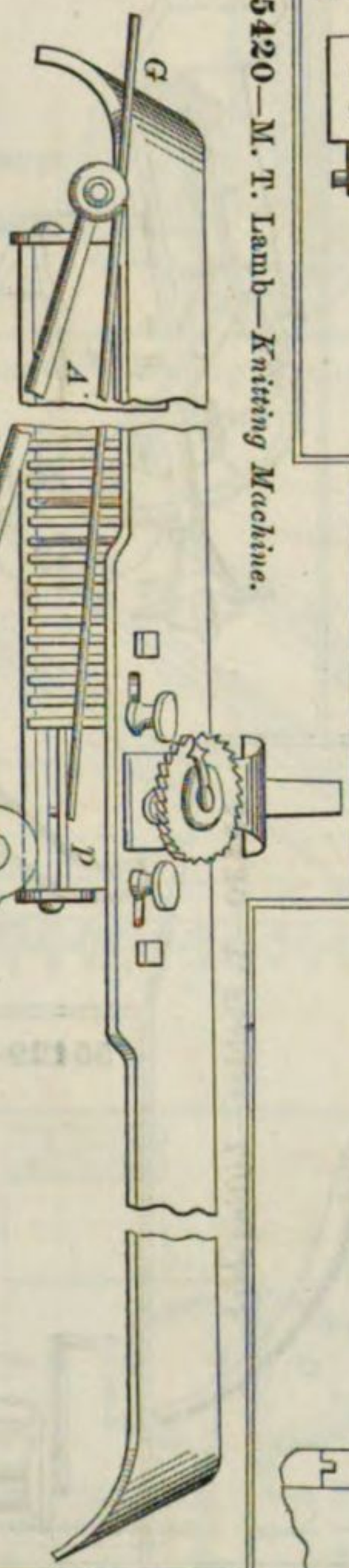
55419—W. Kroeger—*Stove Pipe Drum.*



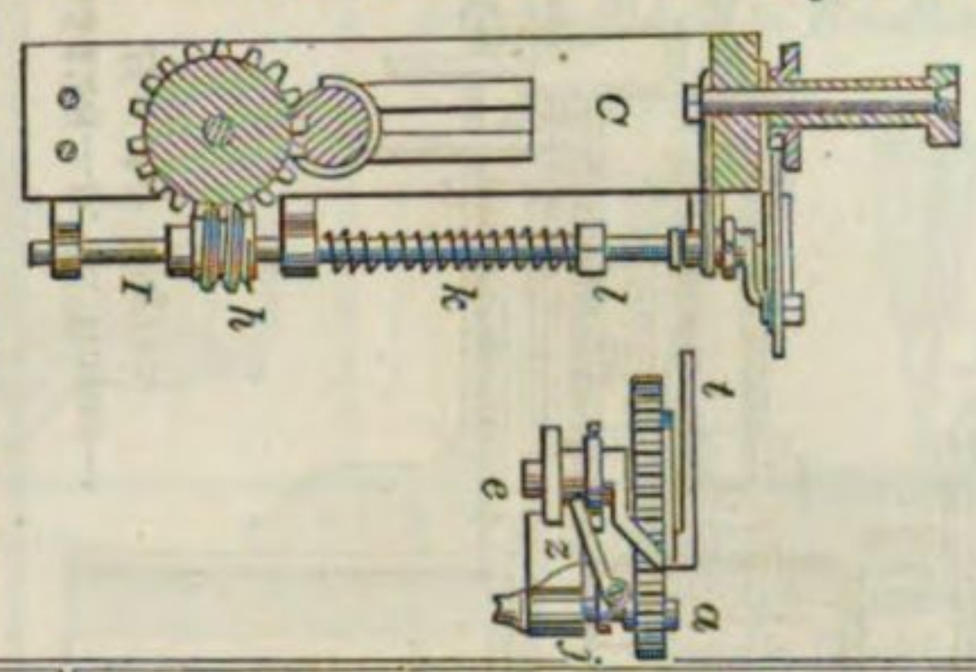
55415—M. Free—*For Cutting Slats for Blinds.*



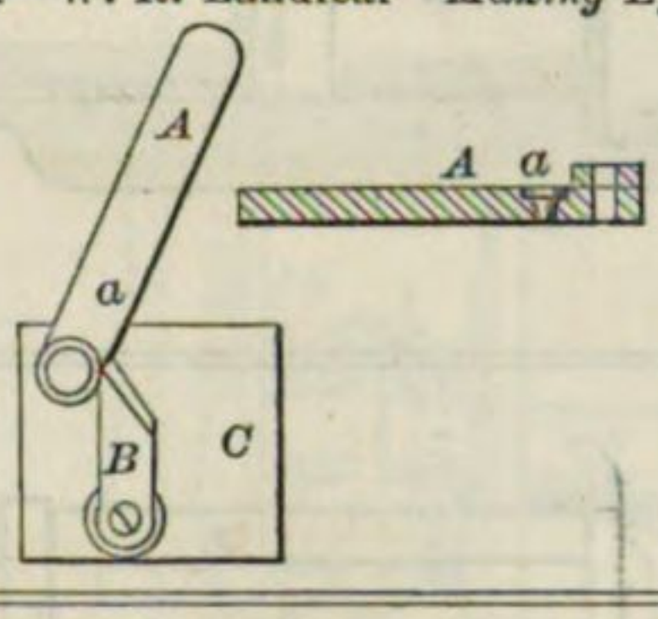
55420—M. T. Lamb—*Knitting Machine.*



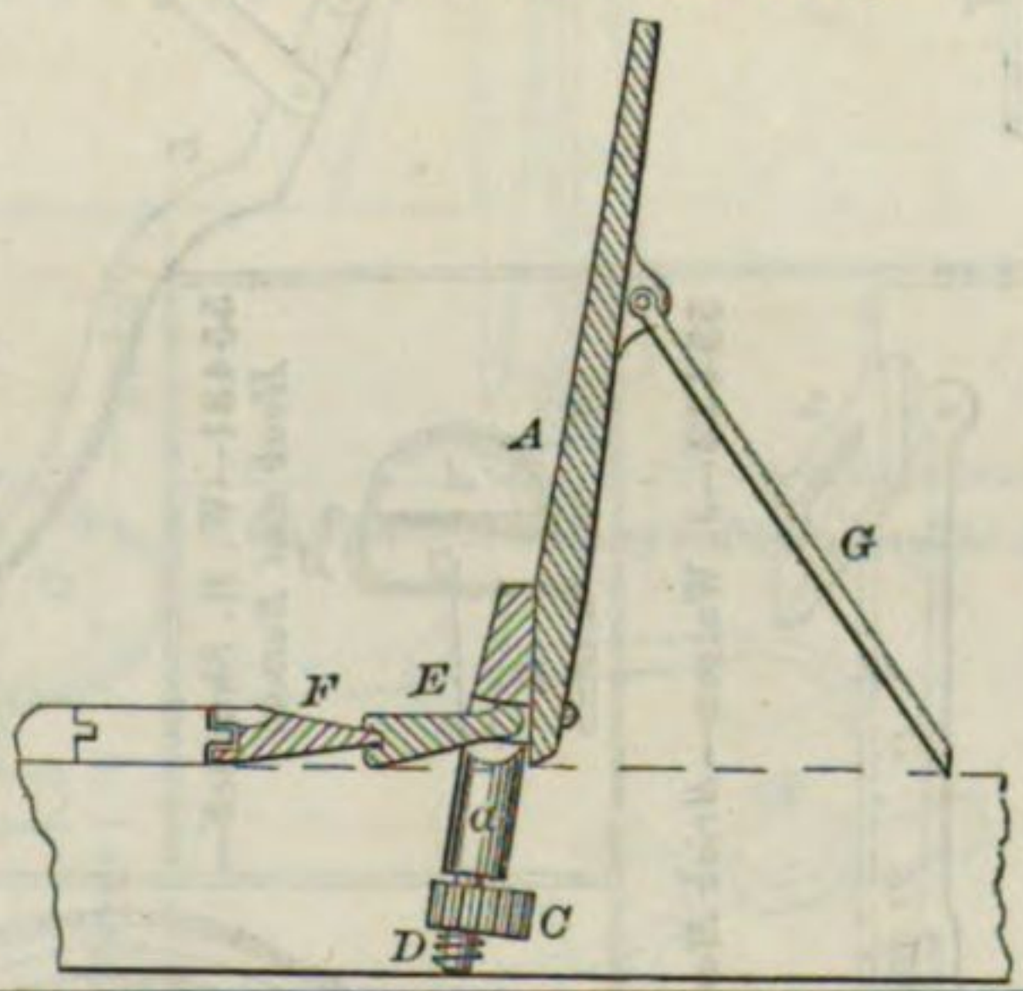
55422—J. Lessels—*Circular Knitting Machine.*



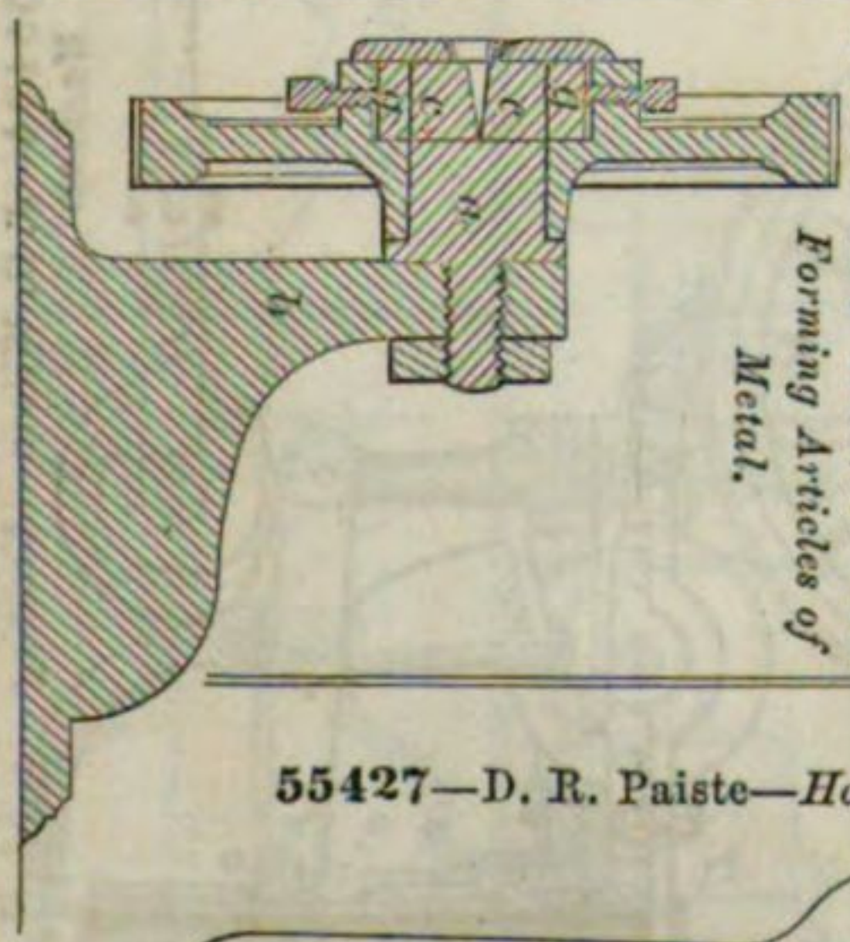
55421—W. R. Landfear—*Making Eyelets.*



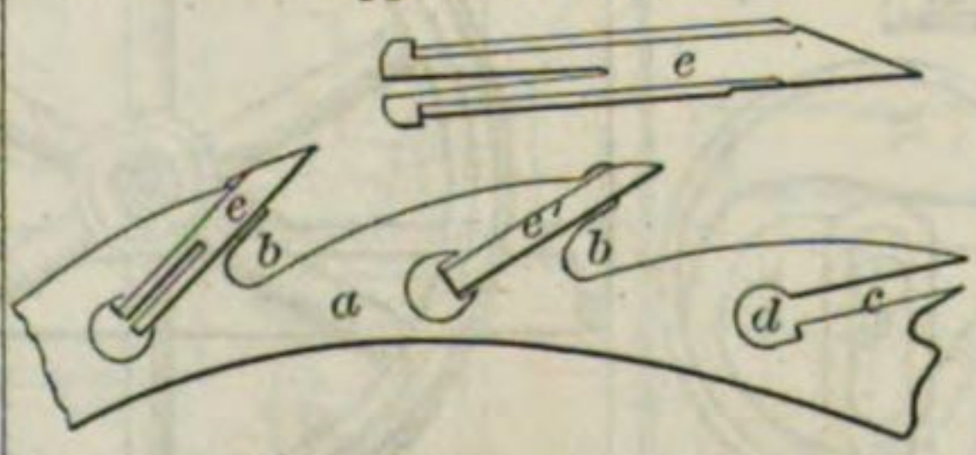
55424—A. Lloyd—*Floor Clamp.*



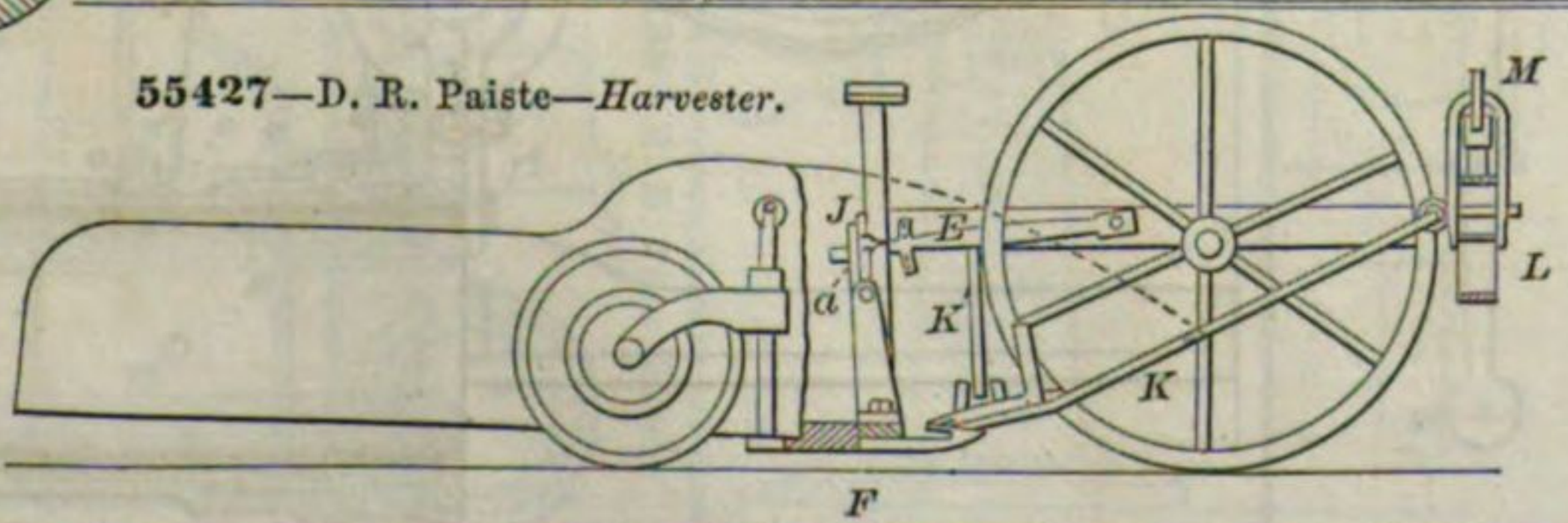
55425—E. J Manville—*Forming Articles of Metal.*



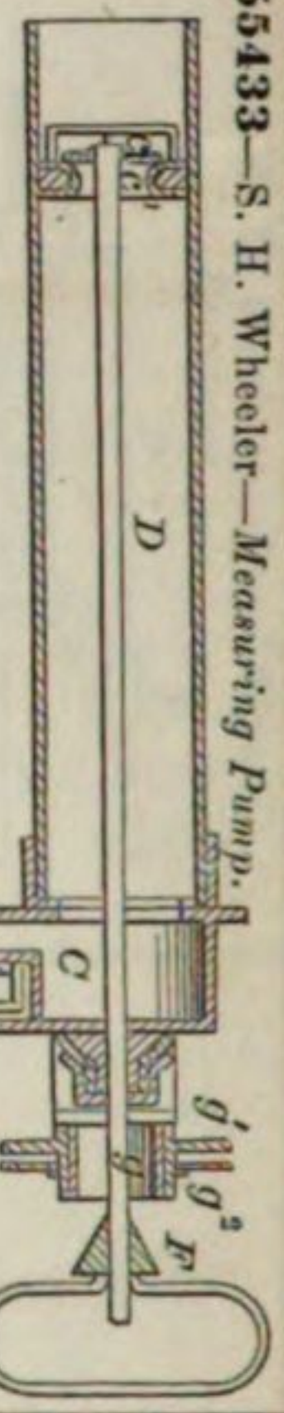
55423—J. Lippincott—*Saw.*



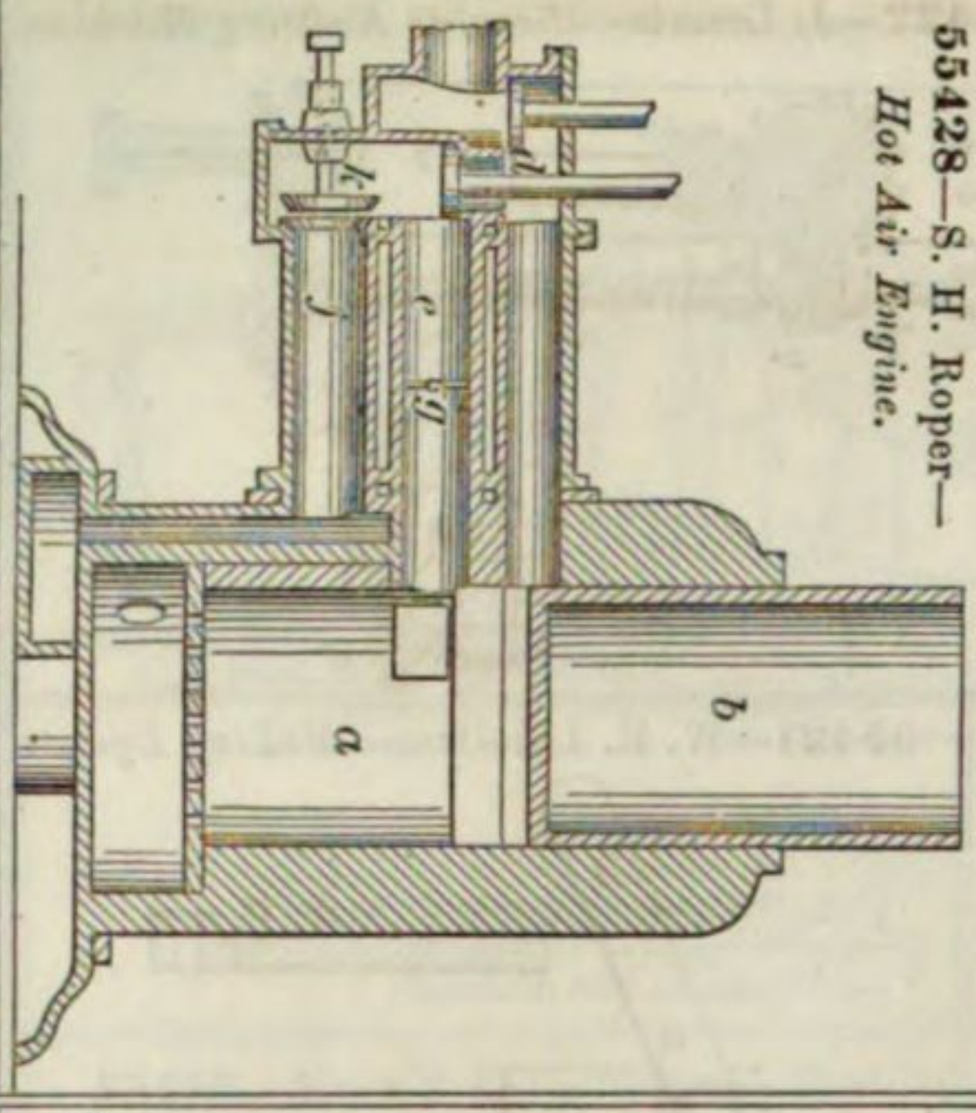
55427—D. R. Paiste—*Harvester.*



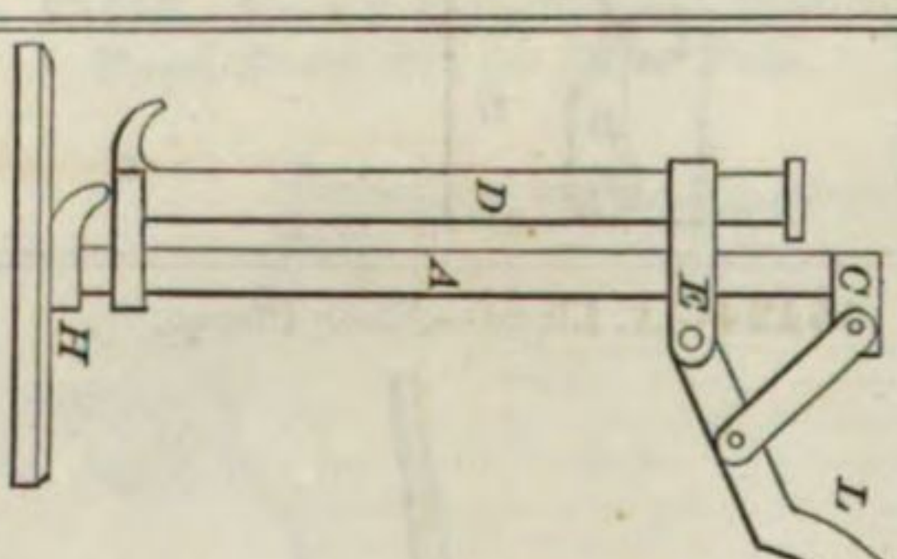
55433—S. H. Wheeler—*Measuring Pump.*



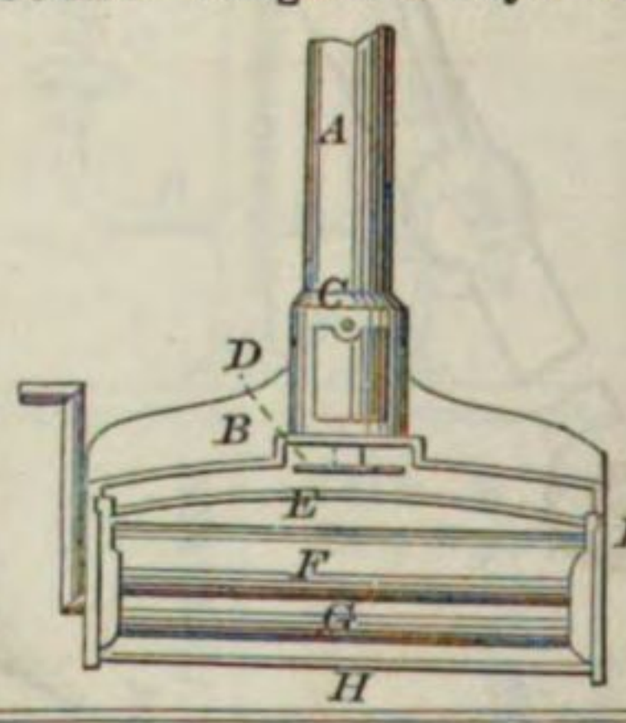
55428—S. H. Roper—*Hot Air Engine.*



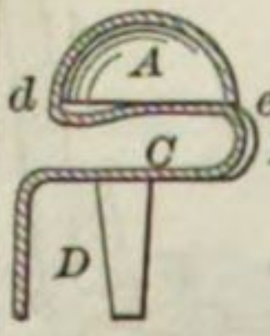
55430—T. Sheldon—*Lifting Jack.*



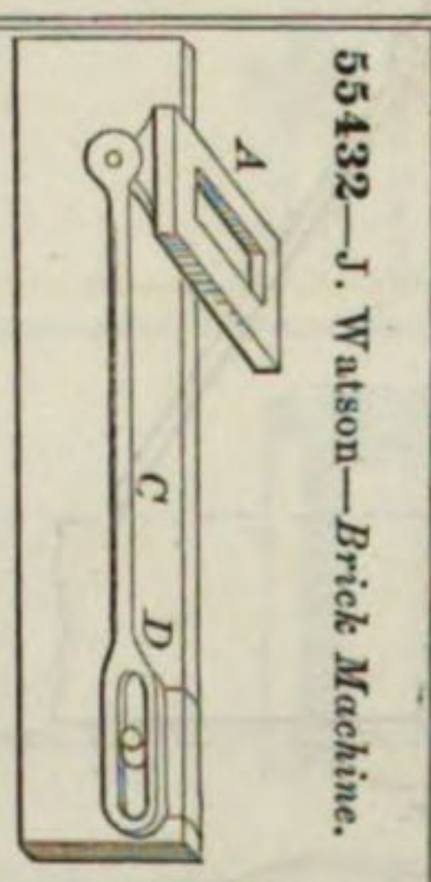
55429—Sangster & Boyd—*Mop.*



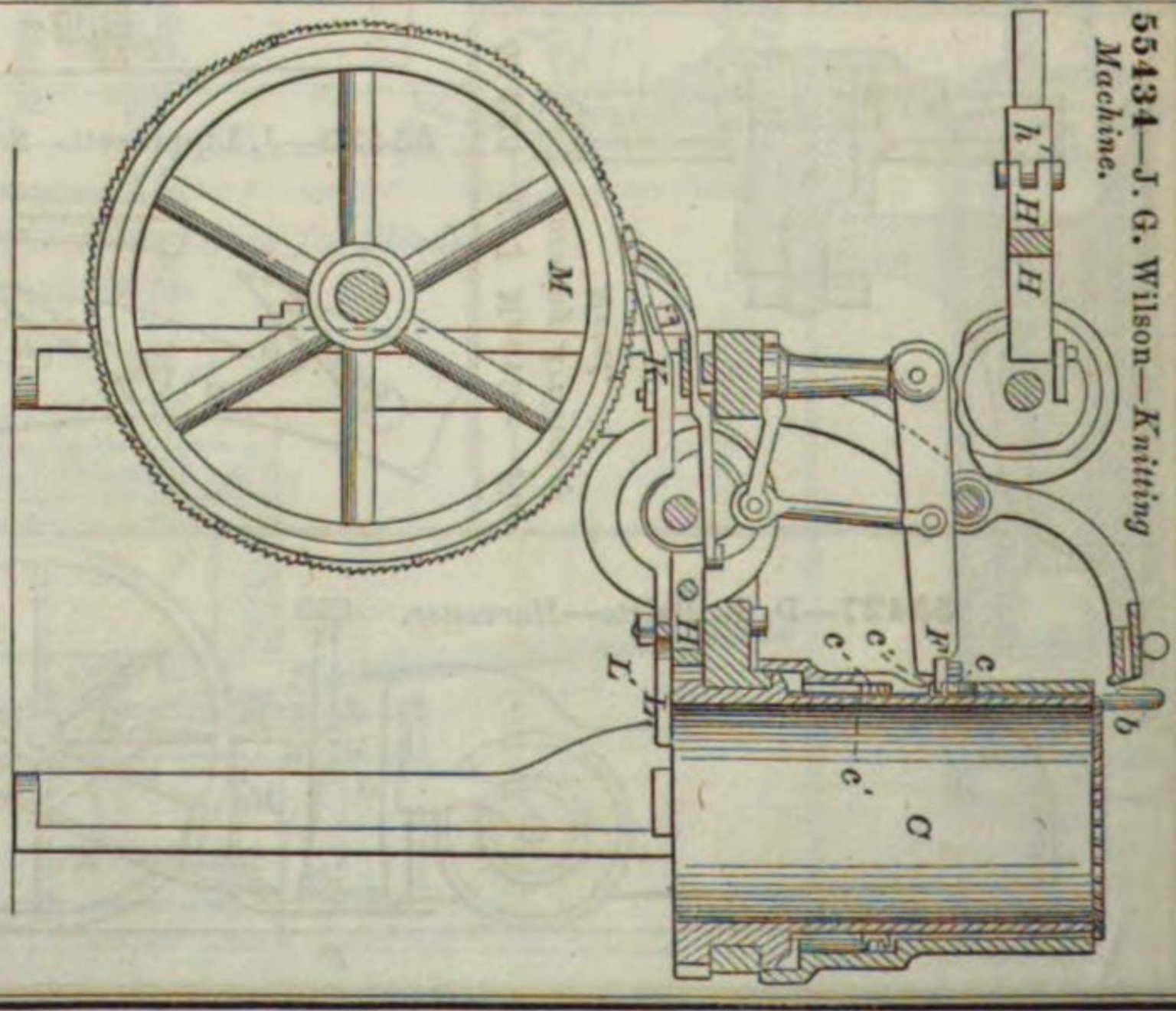
55431—W. H. Shurtleff—*Hook and Button.*



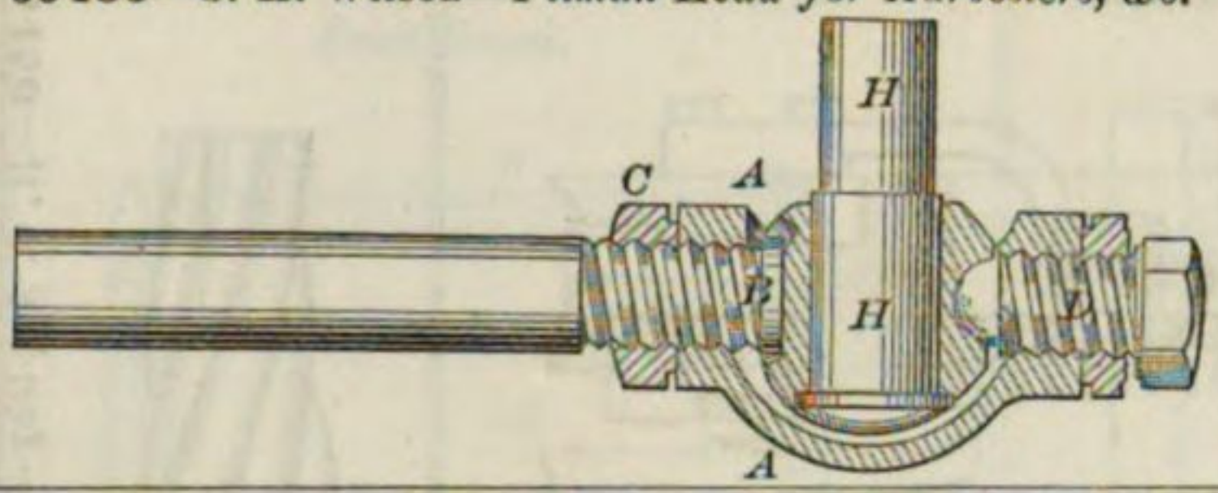
55432—J. Watson—*Brick Machine.*



55434—J. G. Wilson—*Knitting Machine.*

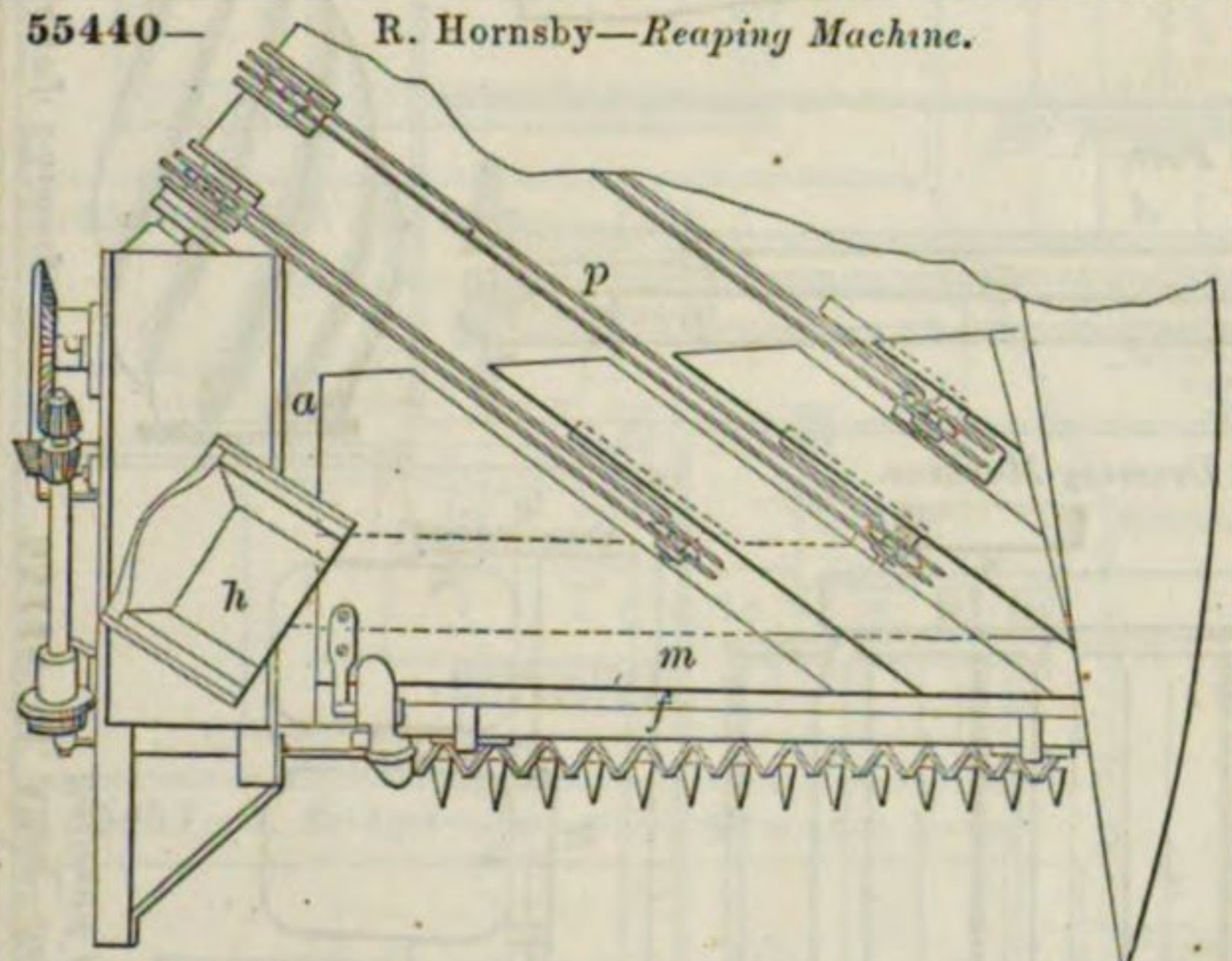


55435—S. H. Wilson—*Pitman Head for Harvesters, &c.*

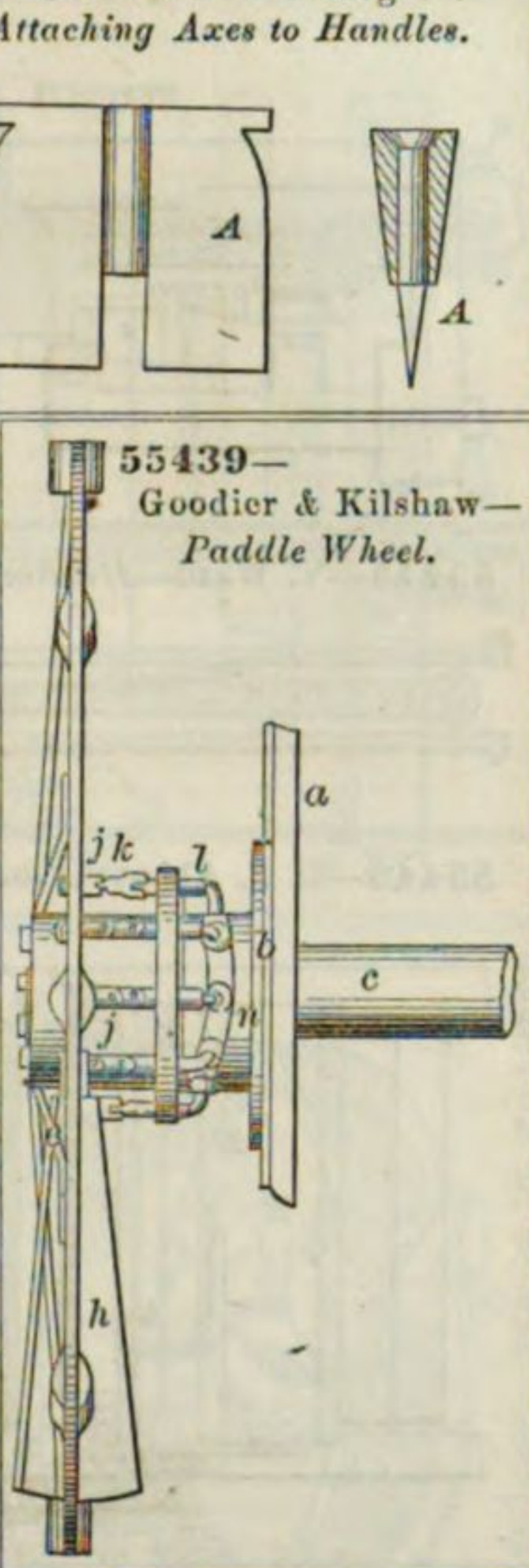


55437—H. C. Wooding—
Attaching Axes to Handles.

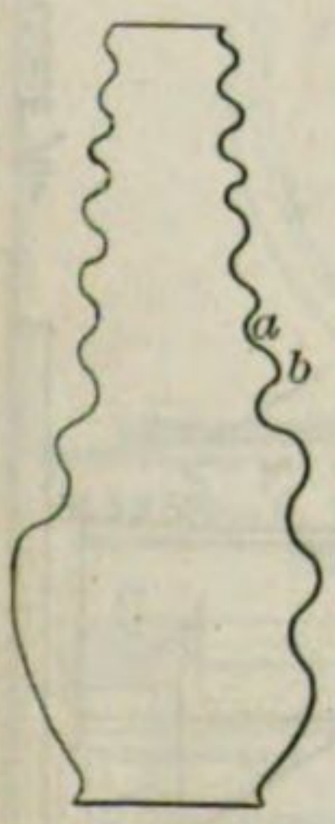
55440—R. Hornsby—*Reaping Machine.*



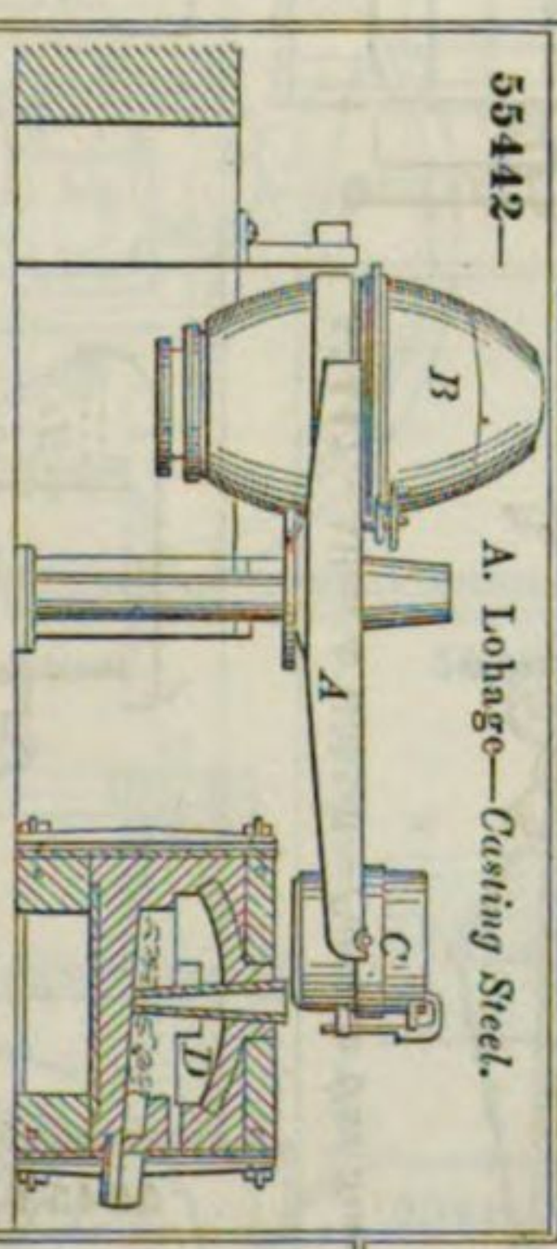
55439—Goodier & Kilshaw—
Paddle Wheel.



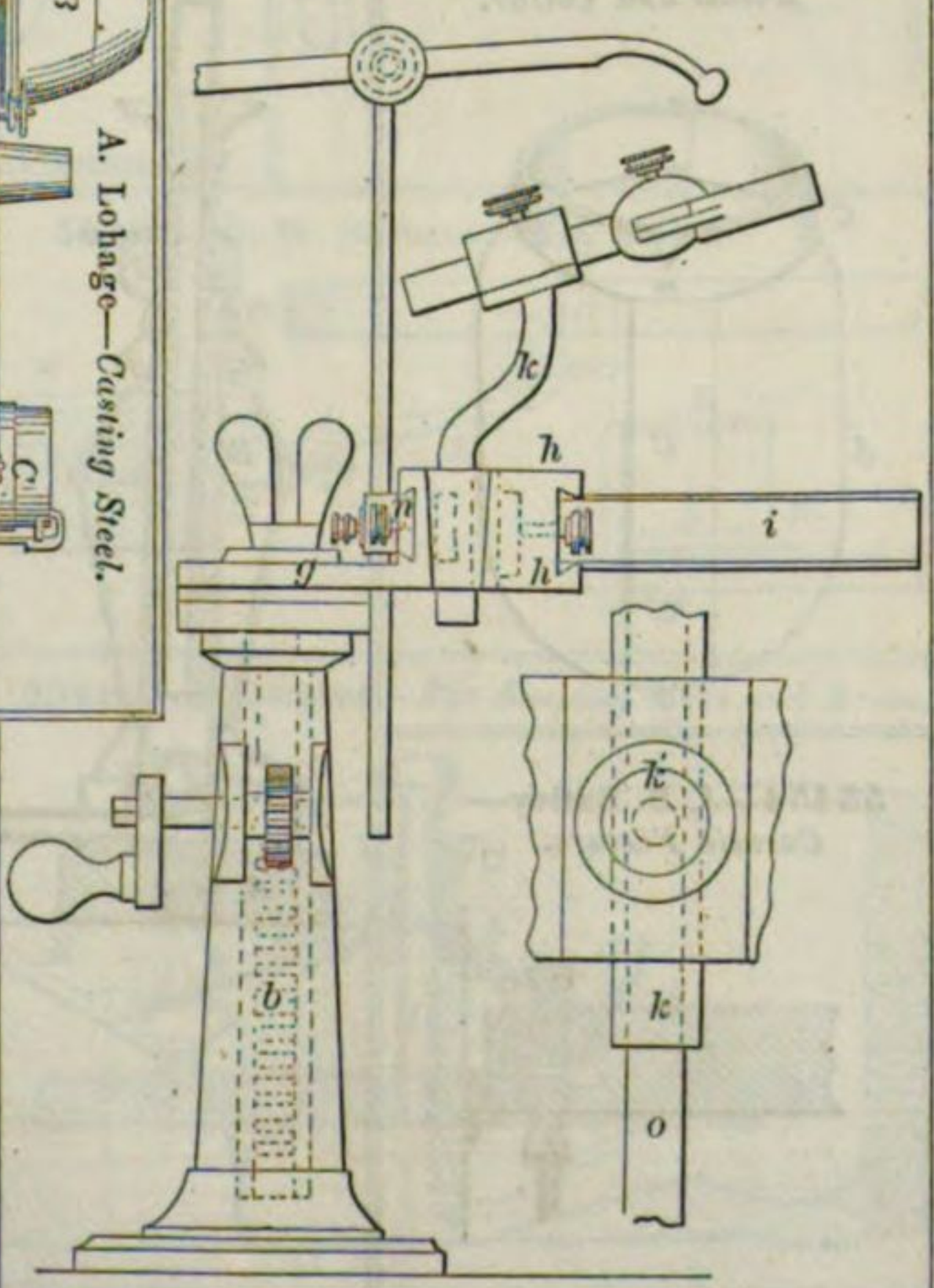
55436—G. L. Witsil—*Lamp Chimney.*



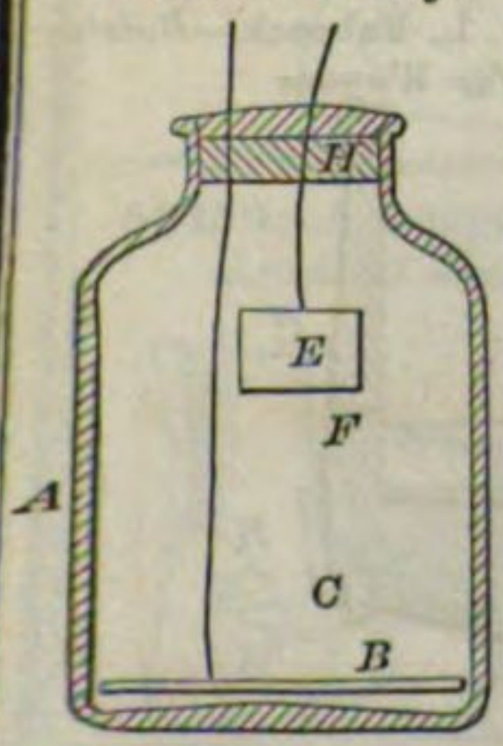
55442—A. Lohage—*Casting Steel.*



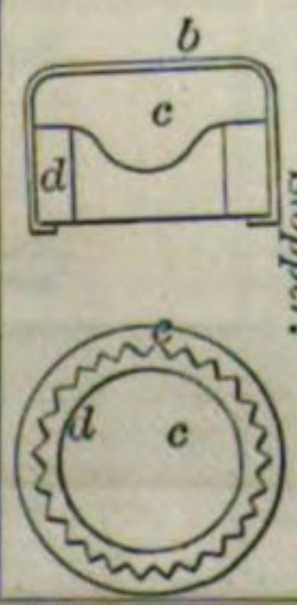
55443—O. Sarony—*Photographic Rest*



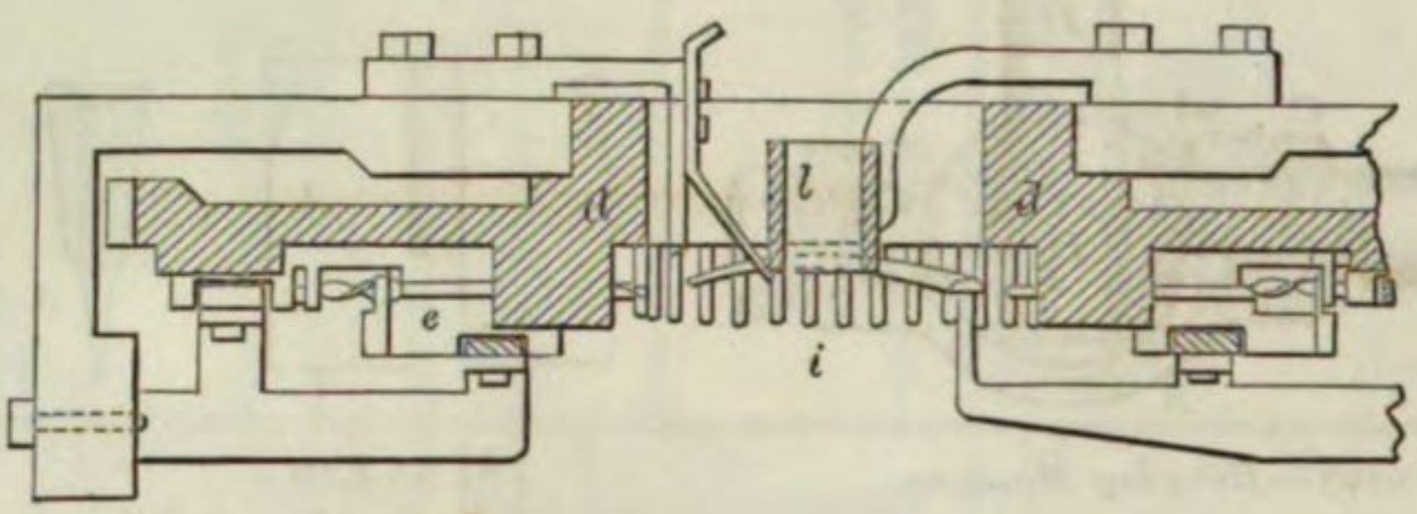
55441—G. L. Leclauché—
Galvanic Battery.



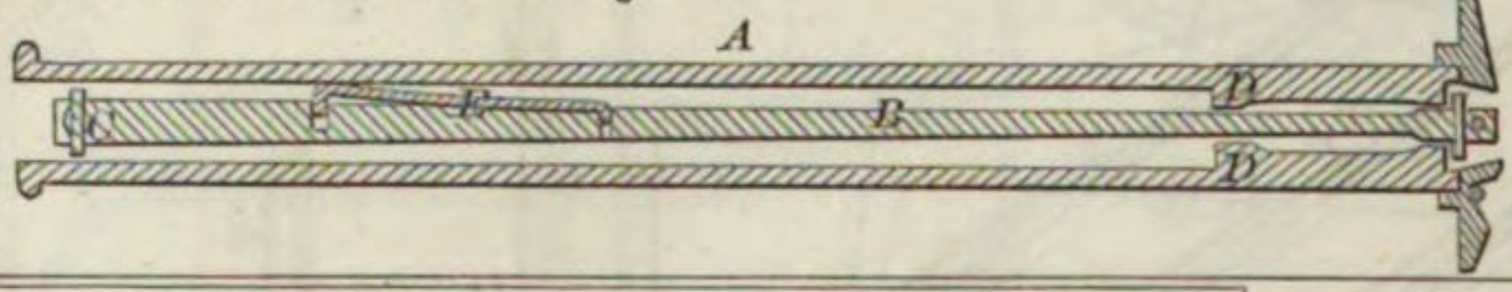
55438—H. B. Fox—*Bottle Stopper.*



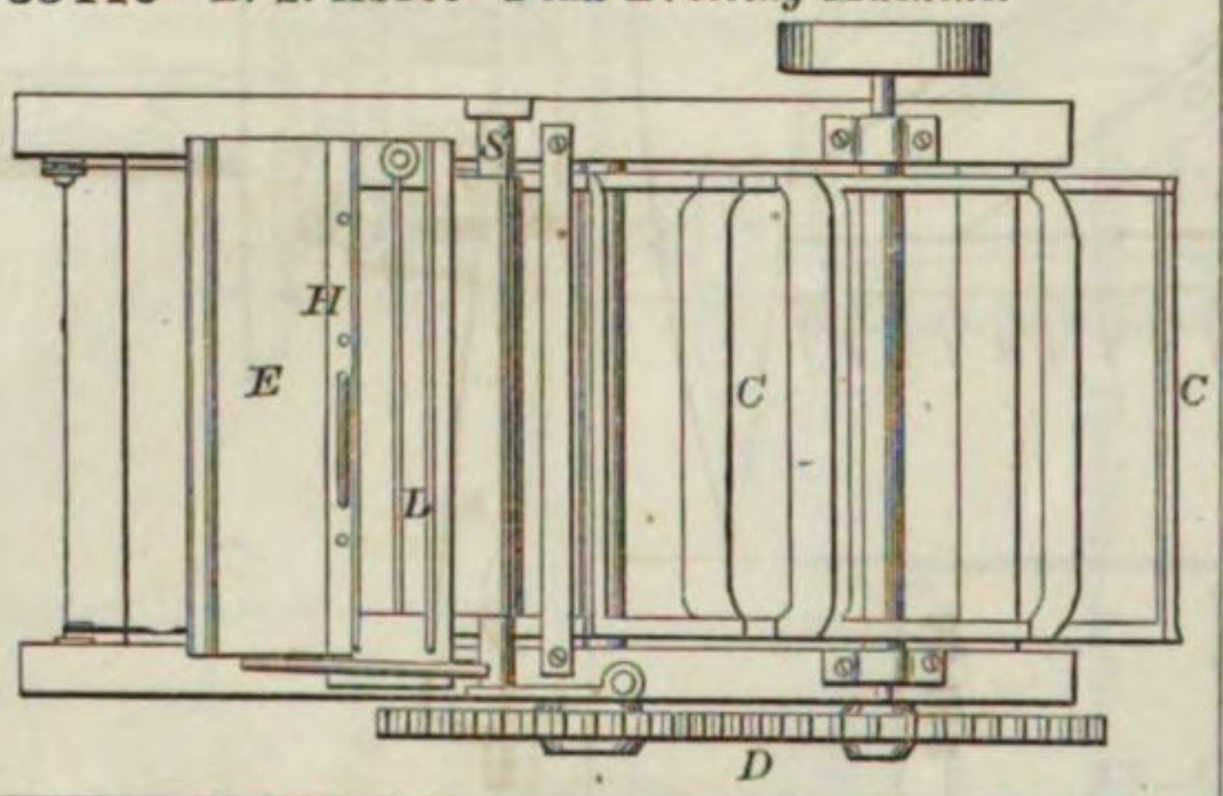
55444—J. & W. Thornton—*Knitting Machine.*



55445—V. Ward—*Hitching Post.*

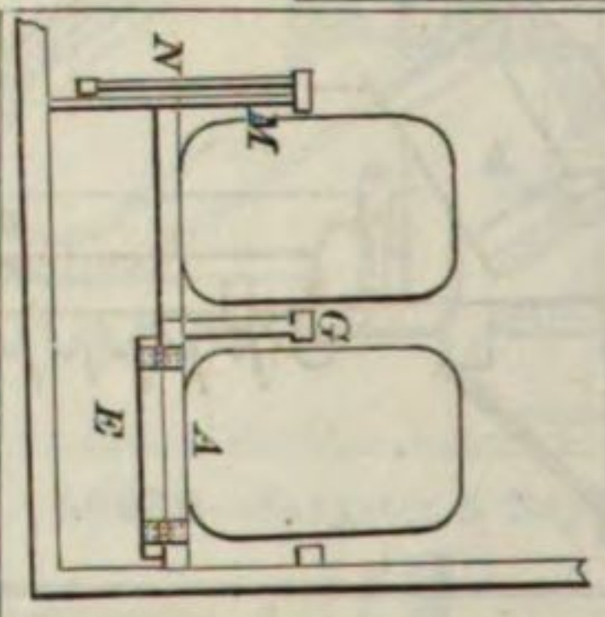


55446—D. S. Abbot—*Flax Dressing Machine.*

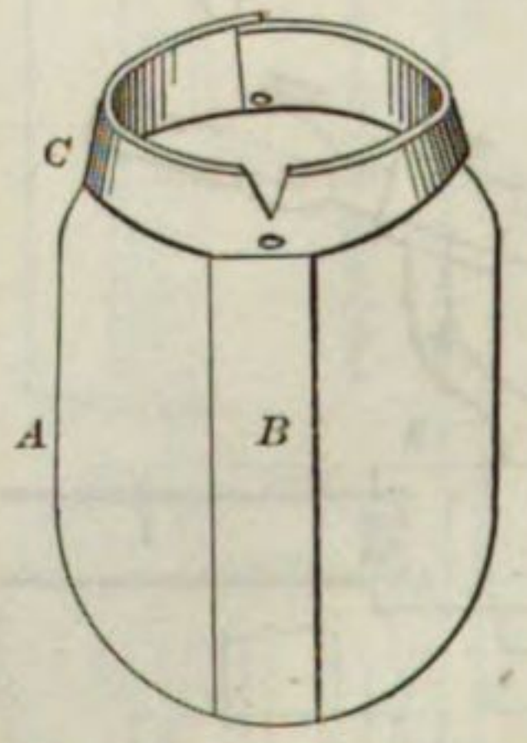


55450—H. C. Appleby—*Lamp Chimney.*

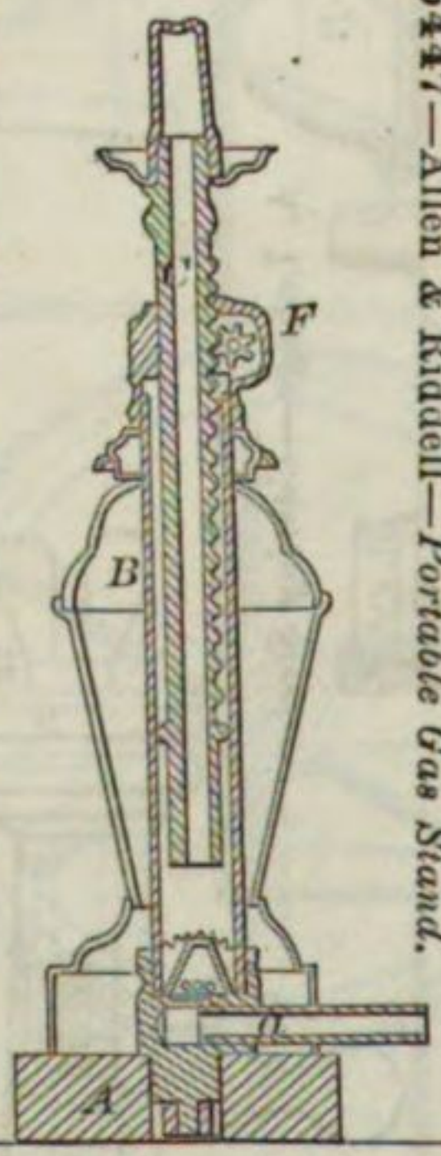
55448—H. Allen—*Seat and Couch for Railroad Cars.*



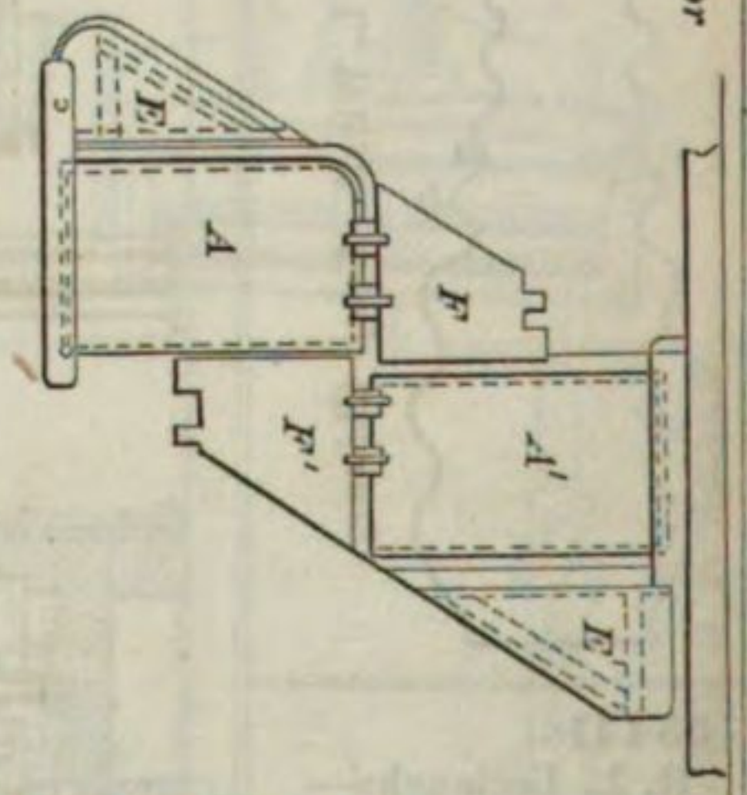
55451—J. C. Arms—*Paper Bosom and Collar.*

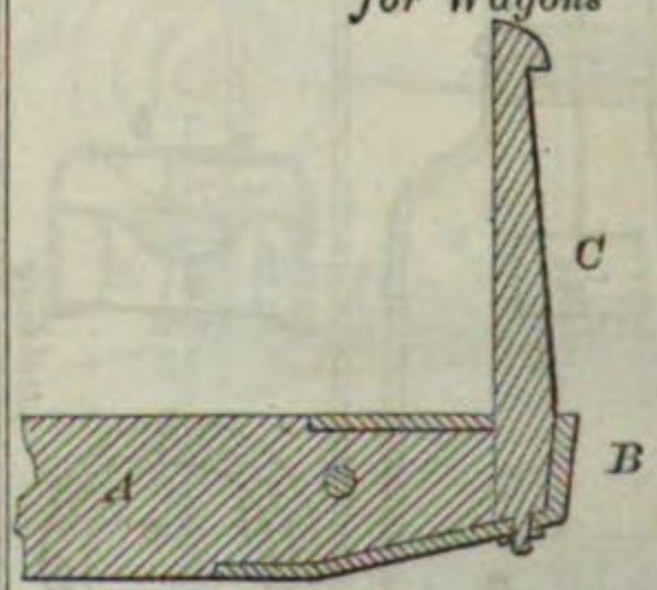


55447—Allen & Riddell—*Portable Gas Stand.*

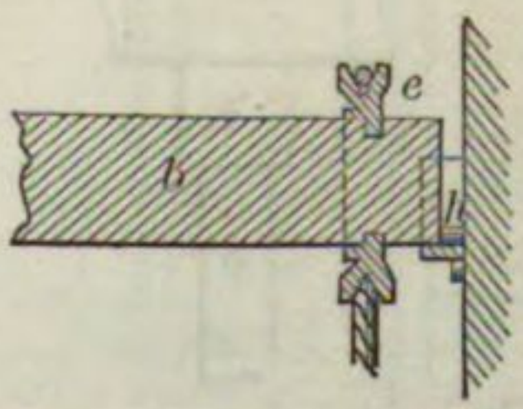


55453—D. L. Babcock—*Bolster for Wagons*

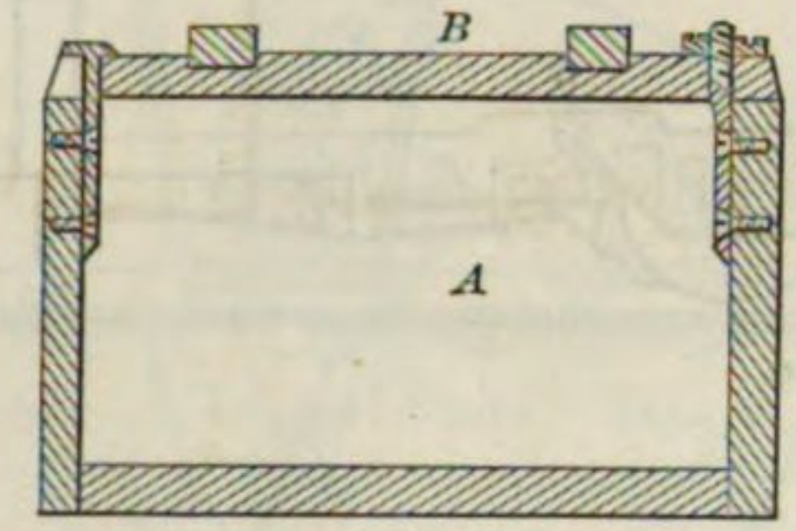




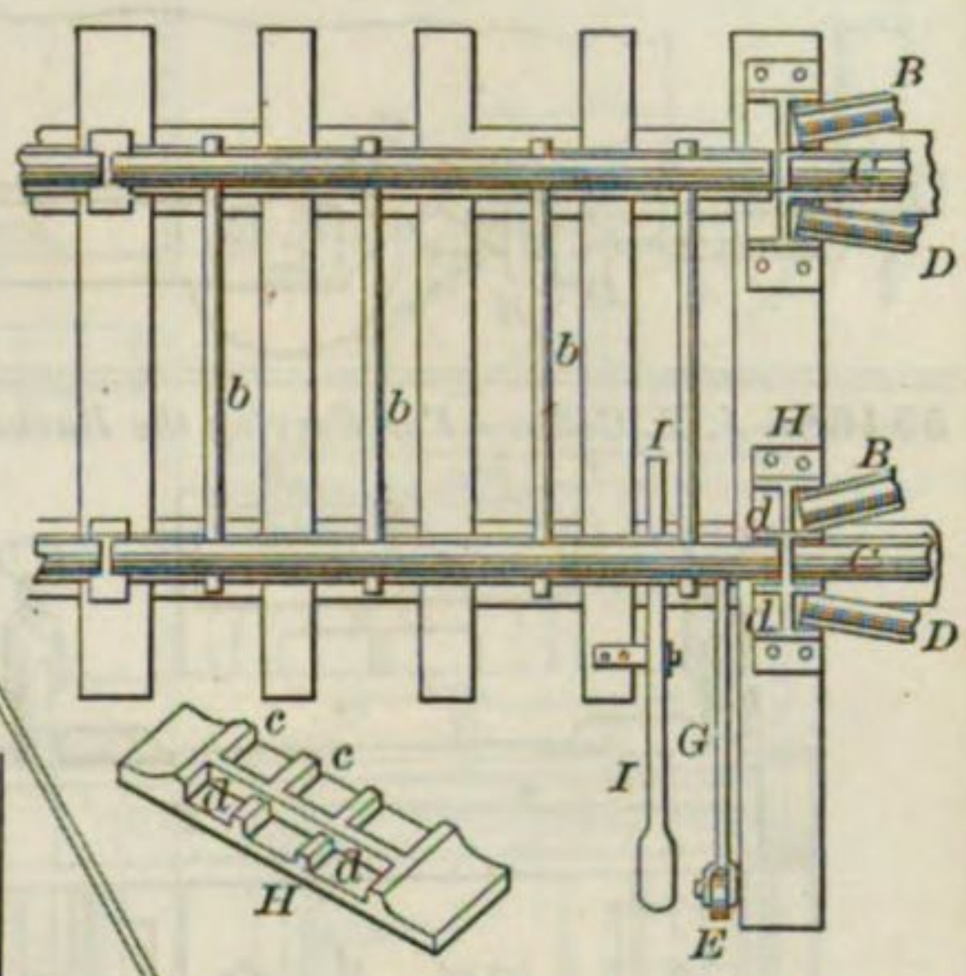
55454—J. B. Bailey—*Curtain Fixture.*



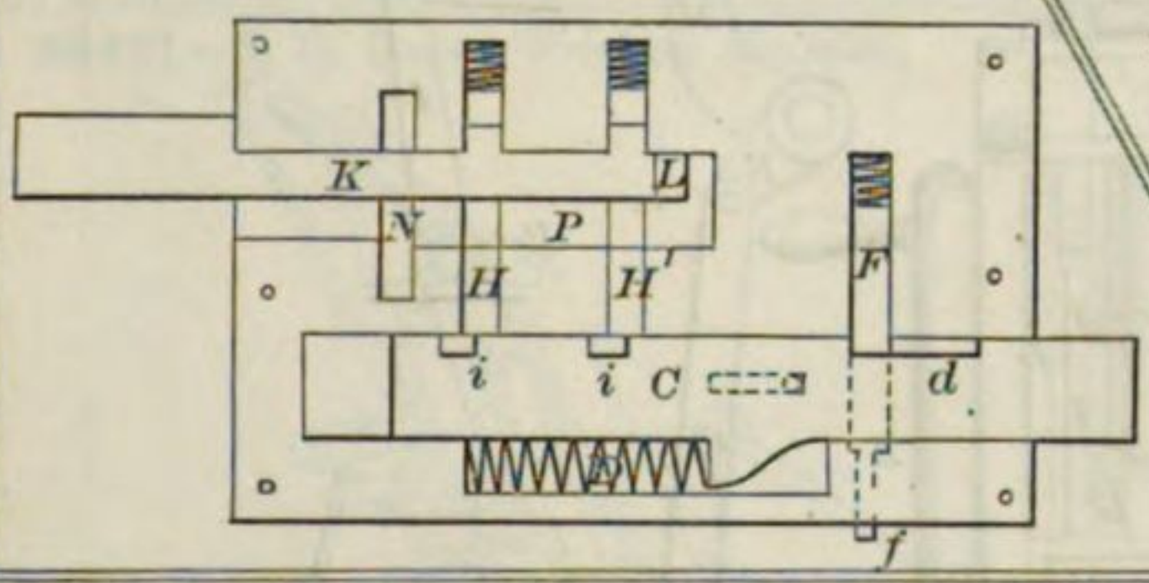
55455—H. T. Barker—*Fastening for Fruit Boxes.*



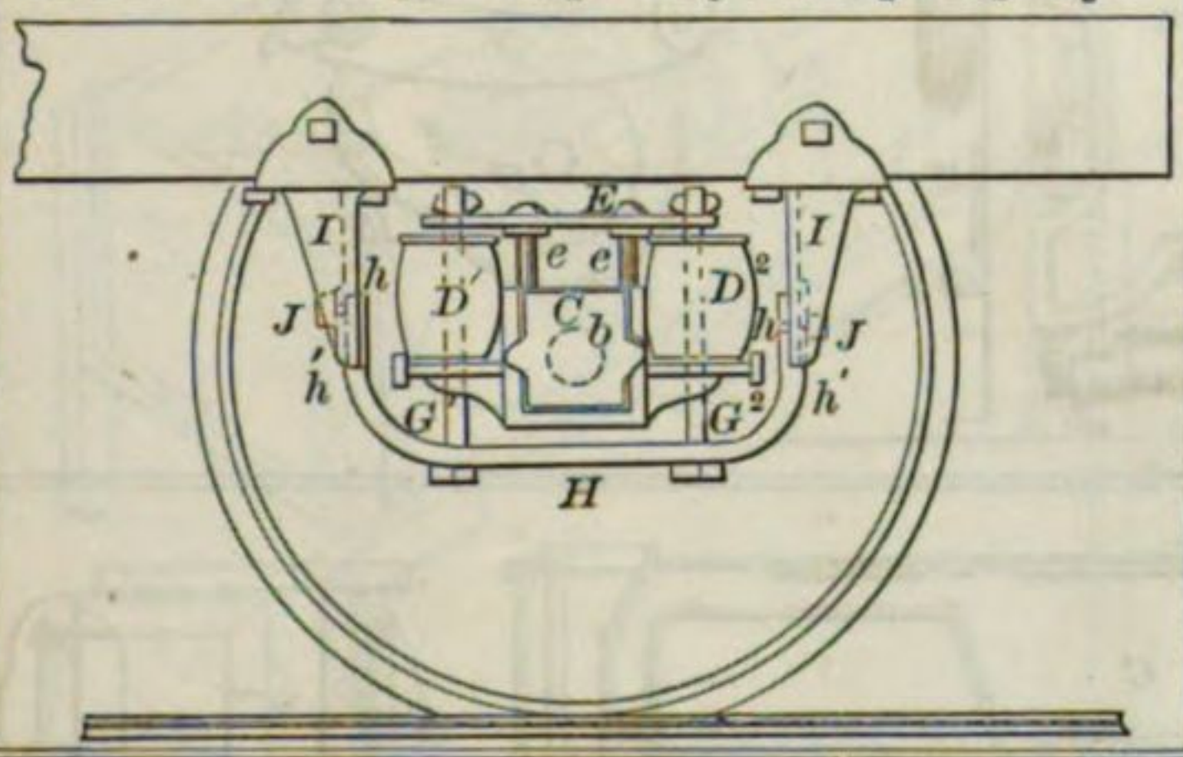
55456—Bradt & Hayes—*Railroad Switch.*



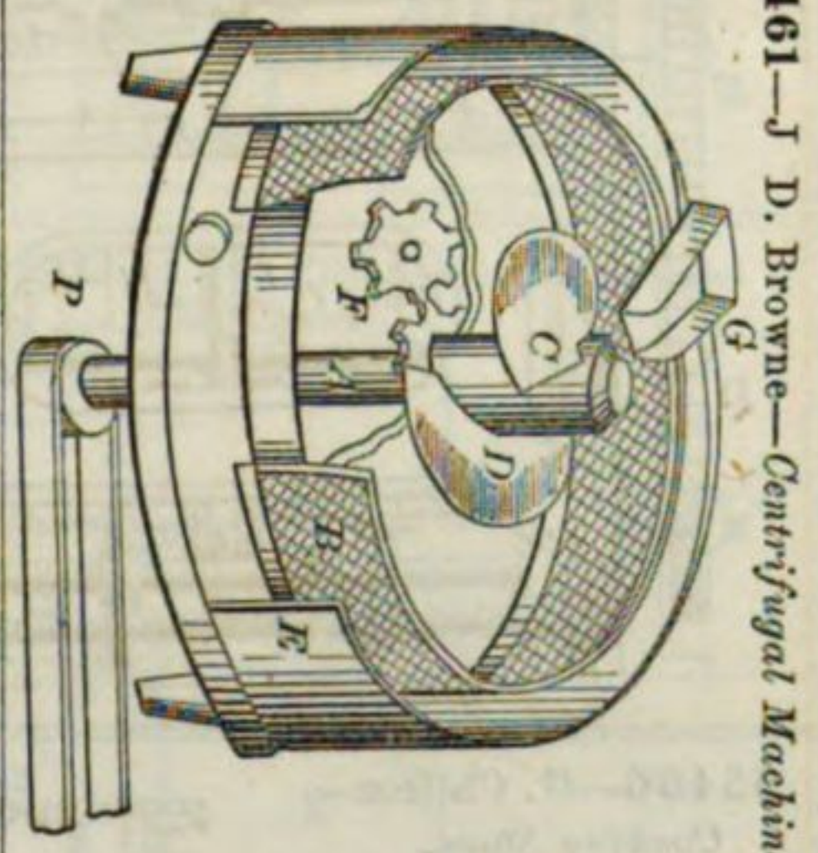
55460—B. V. M. Brouse—*Lock.*



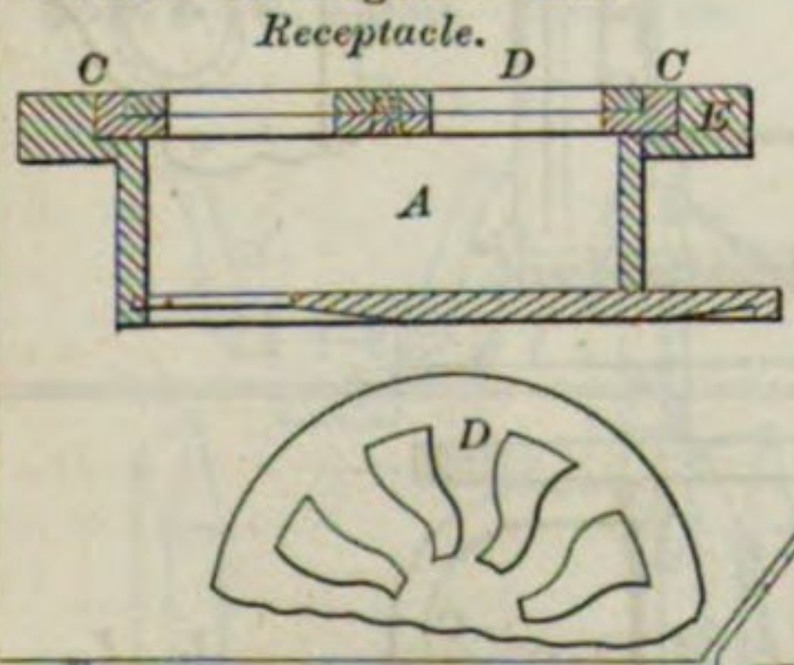
55457—A. Bridges—*Suspending Cars upon Springs.*



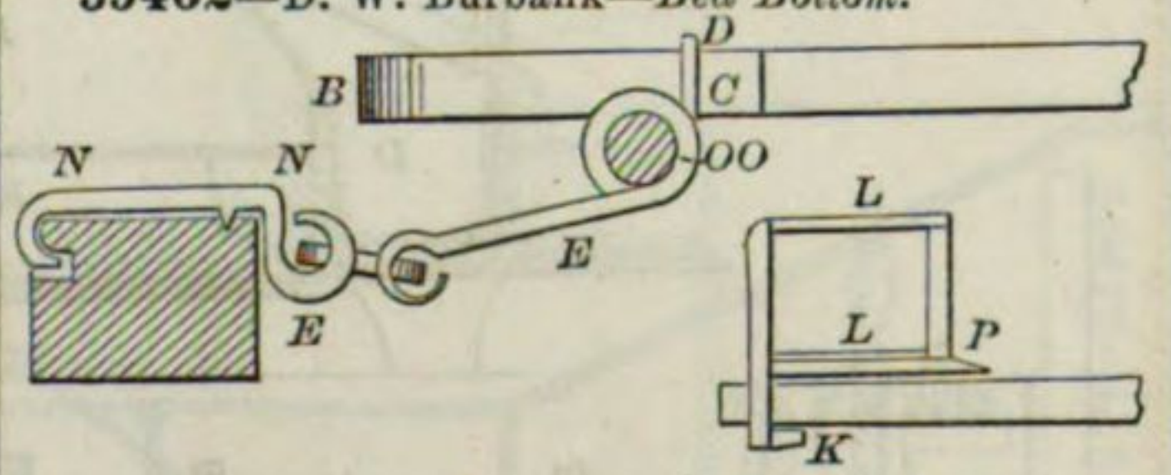
55461—J. D. Browne—*Centrifugal Machine.*



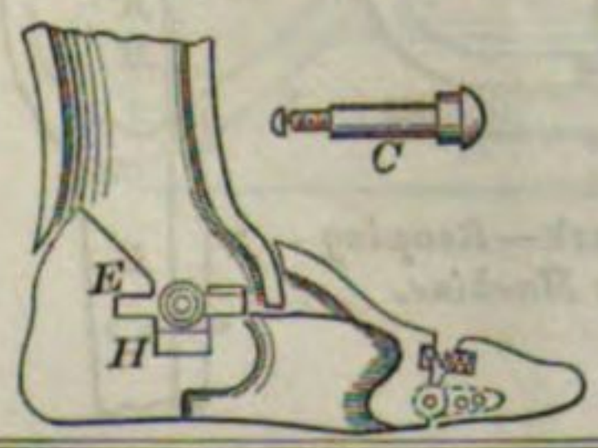
55458—A. Brigham—*Dust Receptacle.*



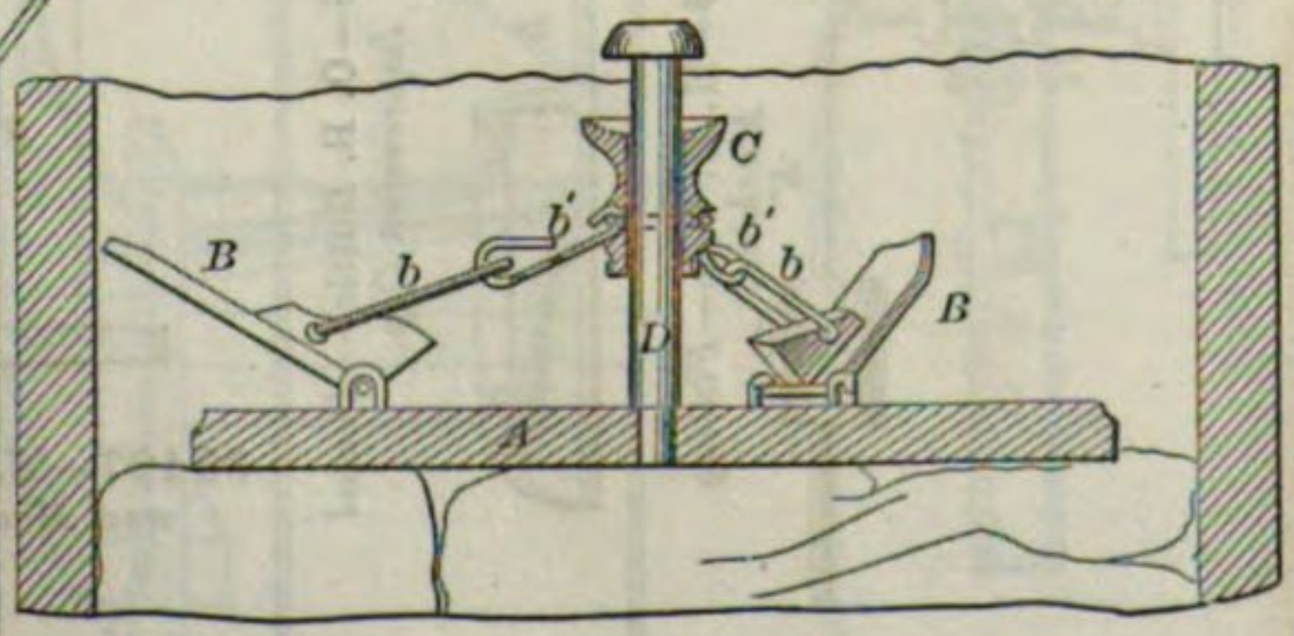
55462—D. W. Burbank—*Bed Bottom.*



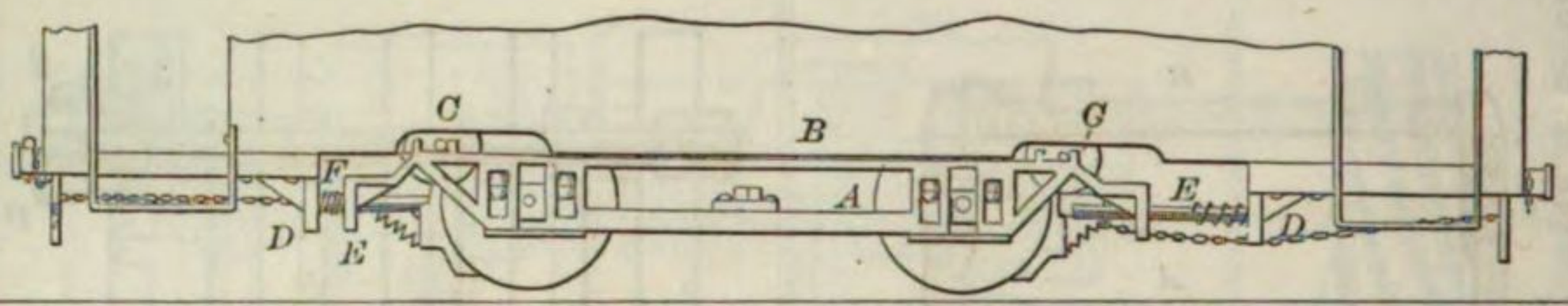
55459—J. Bringhurst—*Artificial Leg.*



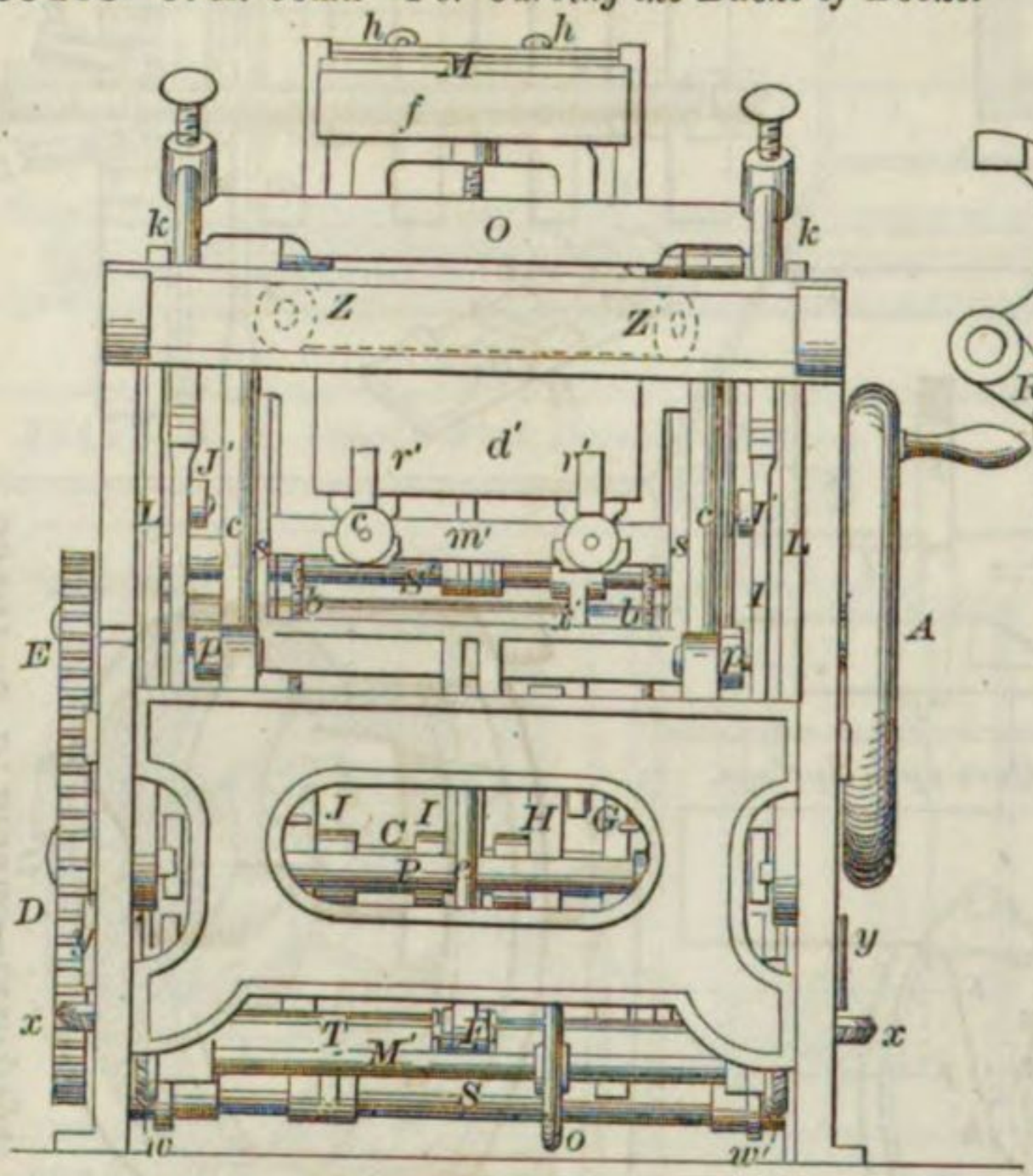
55463—J. Burgum—*For Keeping Meat and Brine.*



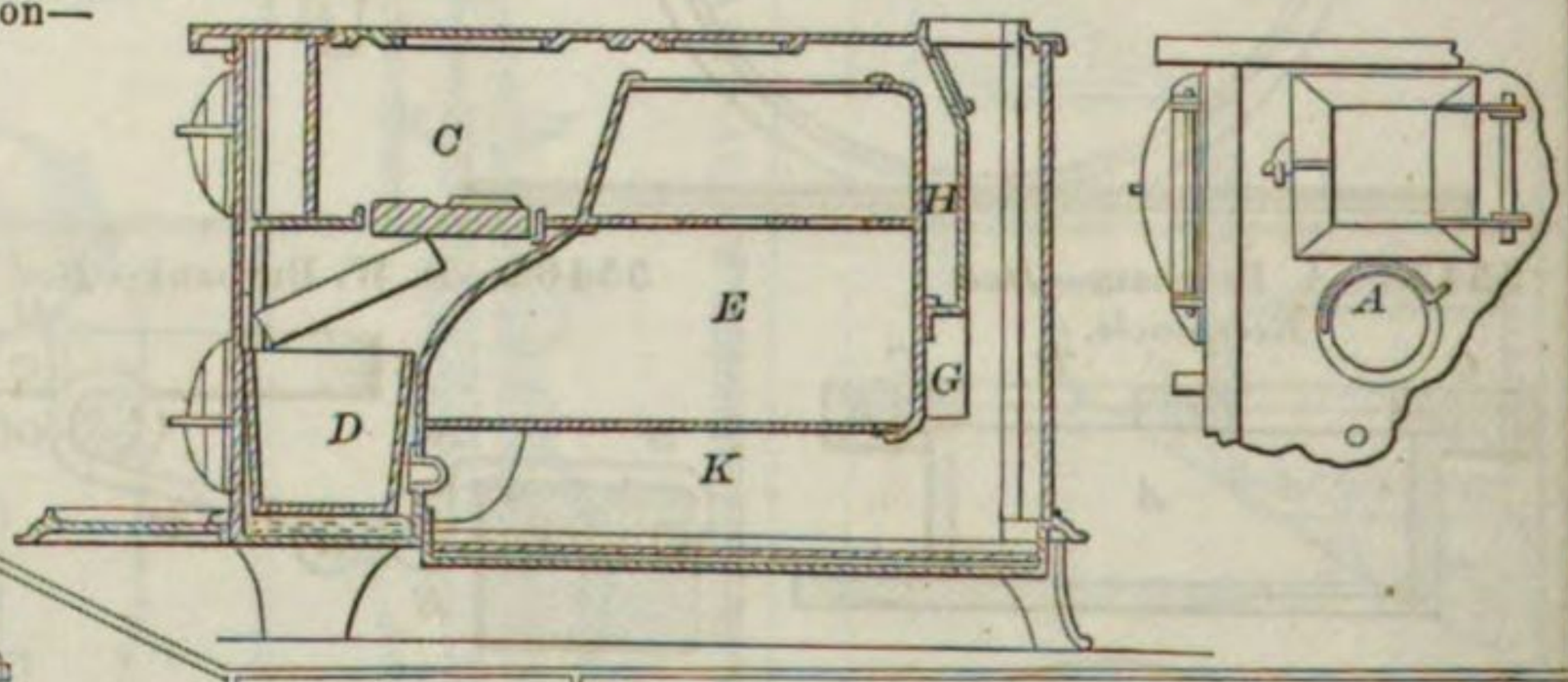
55464—Butler & Hatfield—*Starting Cars.*



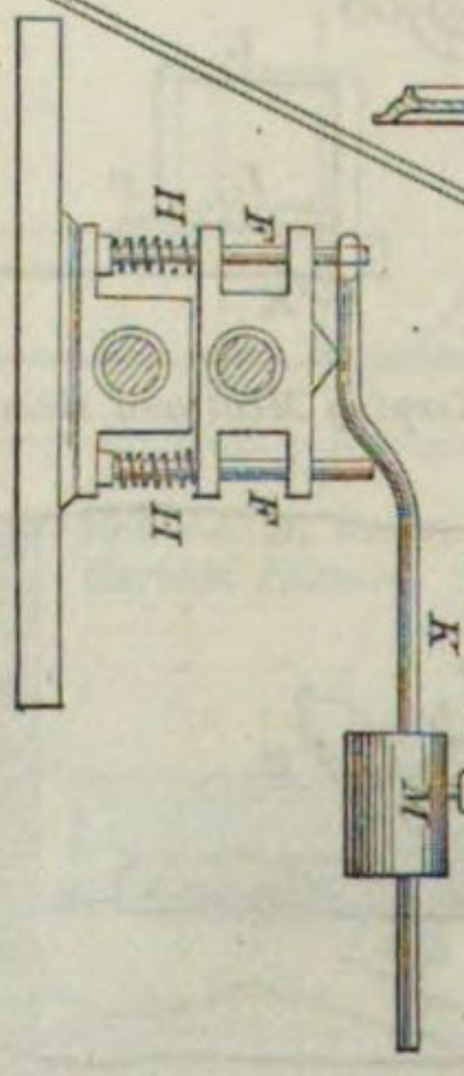
55468—J. E. Coffin—*For Curving the Backs of Books.*



55466—G. Chilson—
Cooking Stove.

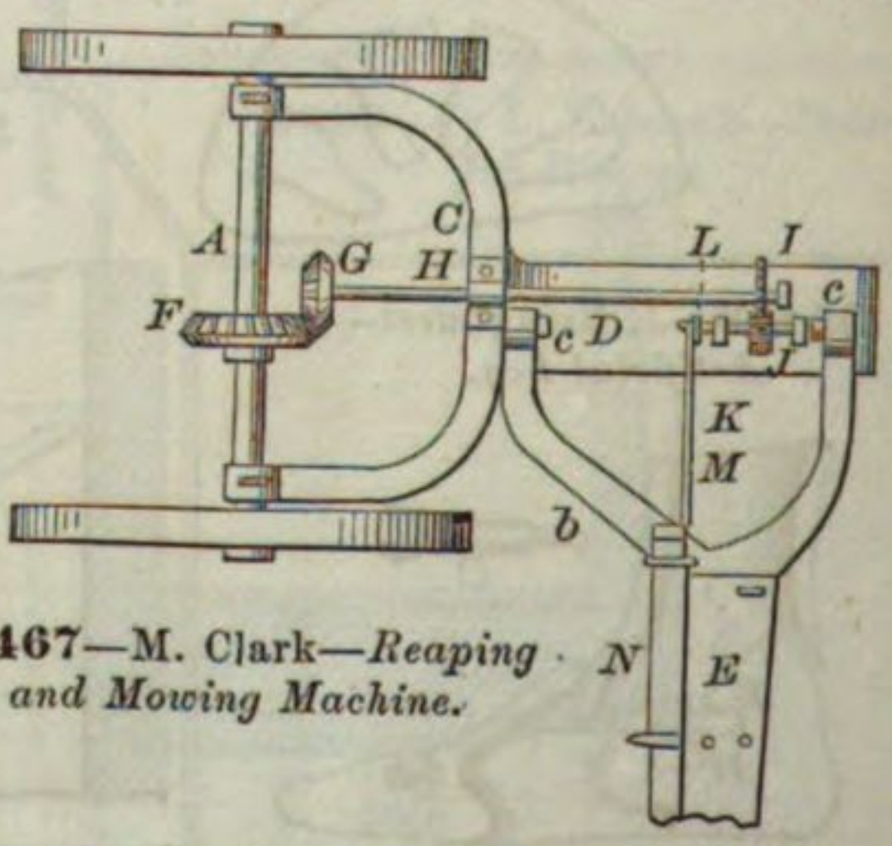


55469—H. H. Cole—*Fluting Machine.*

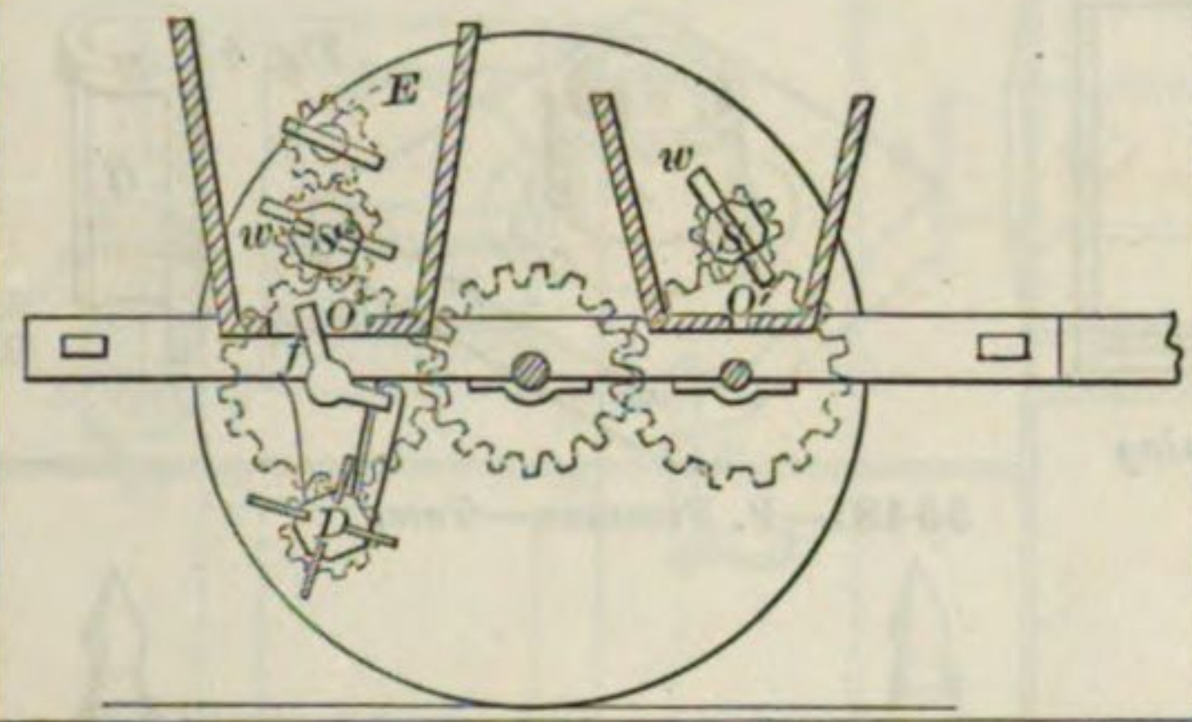


55465—O. B. Buttles—*Dental Impression Cup.*

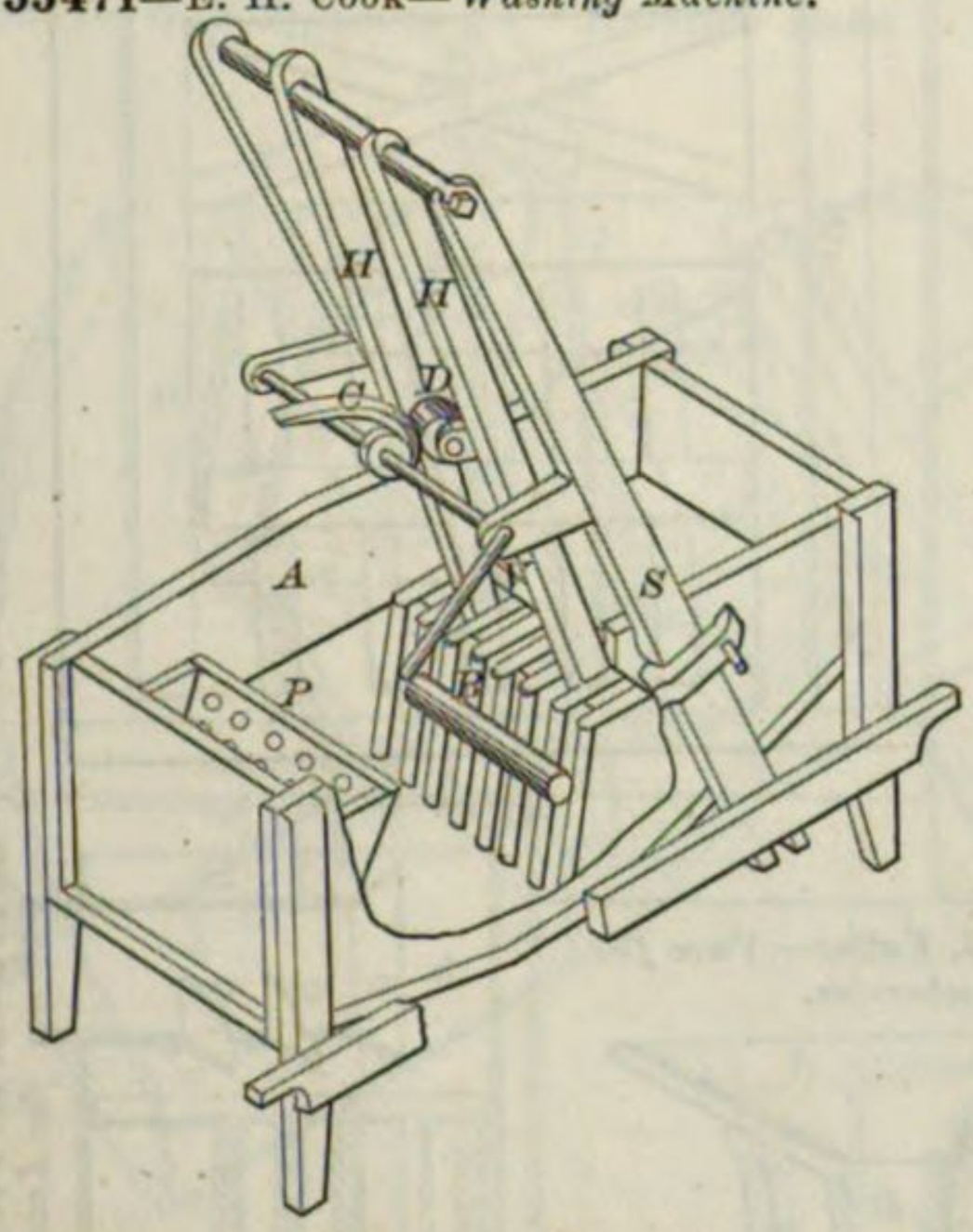
55467—M. Clark—*Reaping and Mowing Machine.*



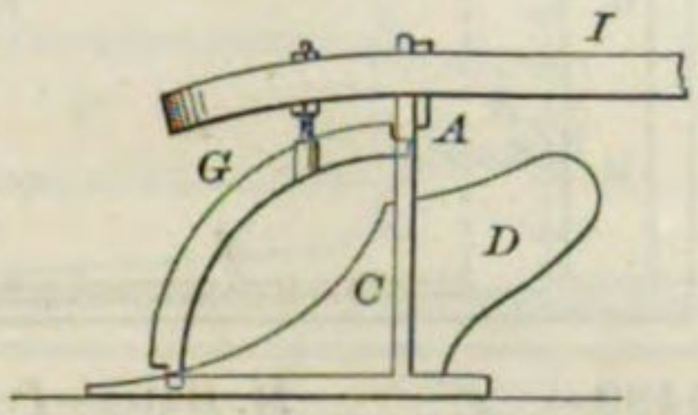
55470—B. D. Cook—*Seeding Machine.*



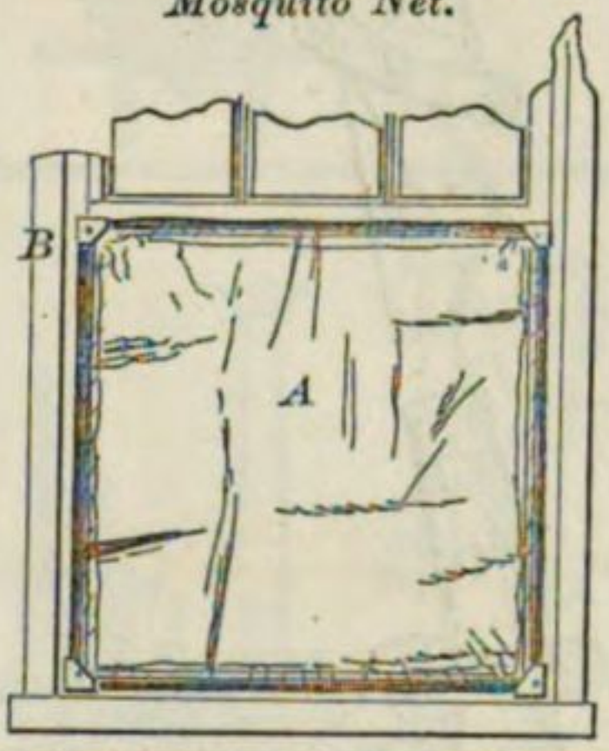
55471—E. H. Cook—*Washing Machine.*



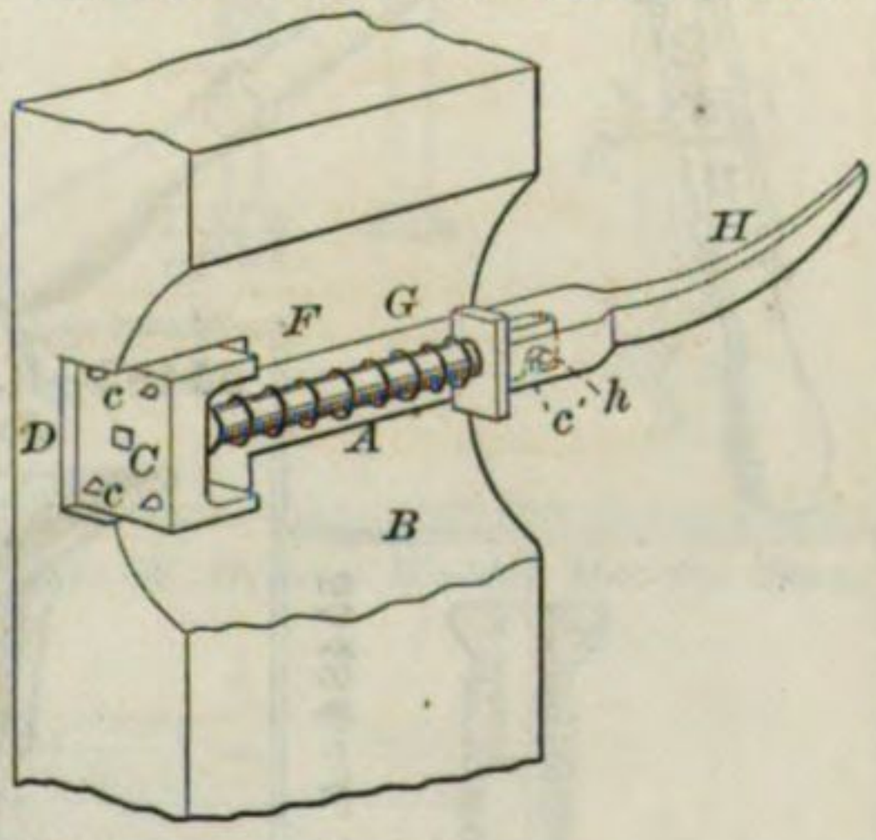
55472—Custer & Rowland—*Plow Cutter.*



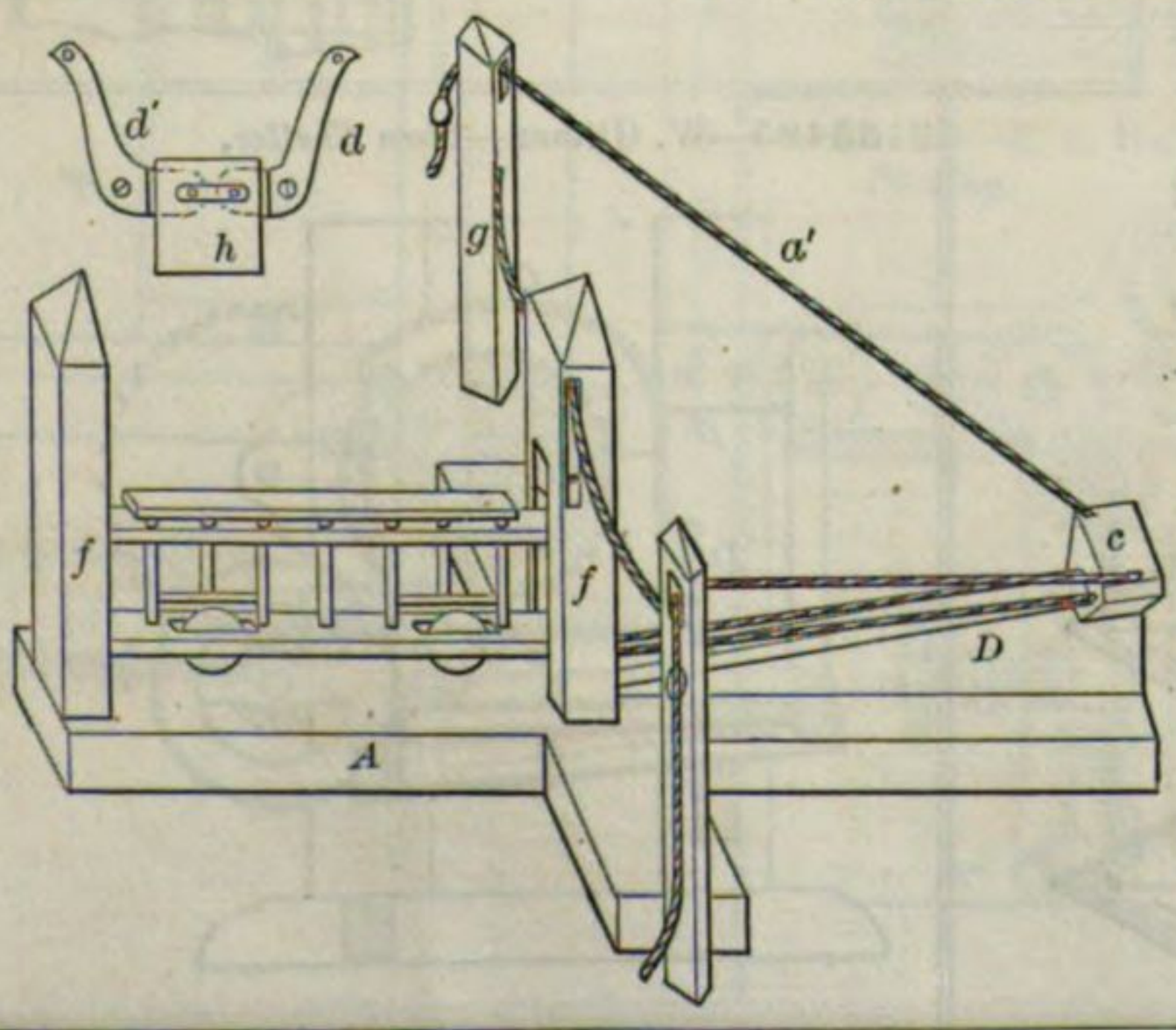
55473—J. G. De Coursey—*Mosquito Net.*



55475—J. W. Elliot—*Sash Fastener.*

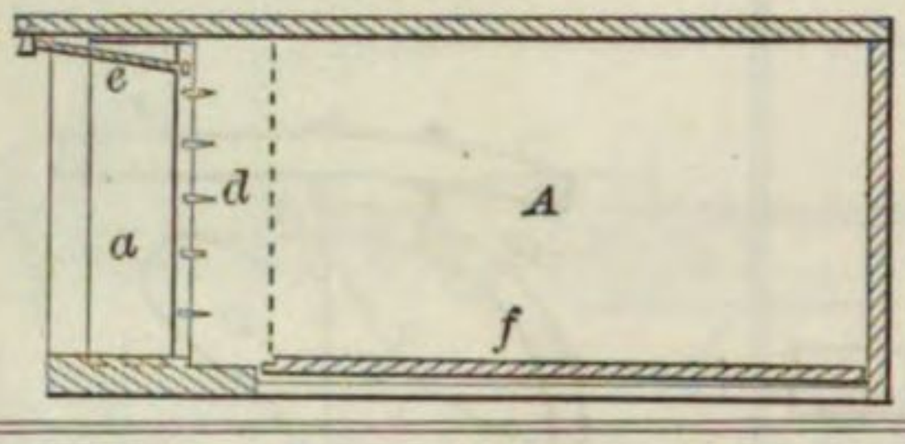


55476—W. Elliott—*Farm Gate.*

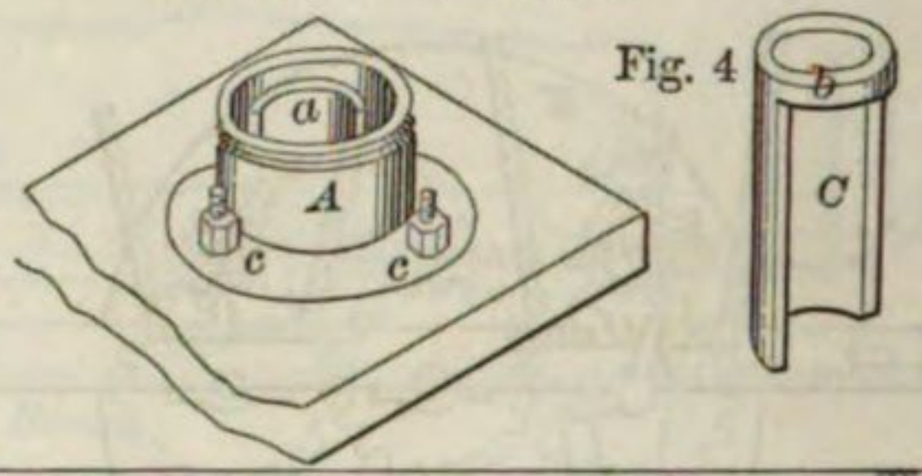


55477—L. S. Enos—*Door Fastening.*

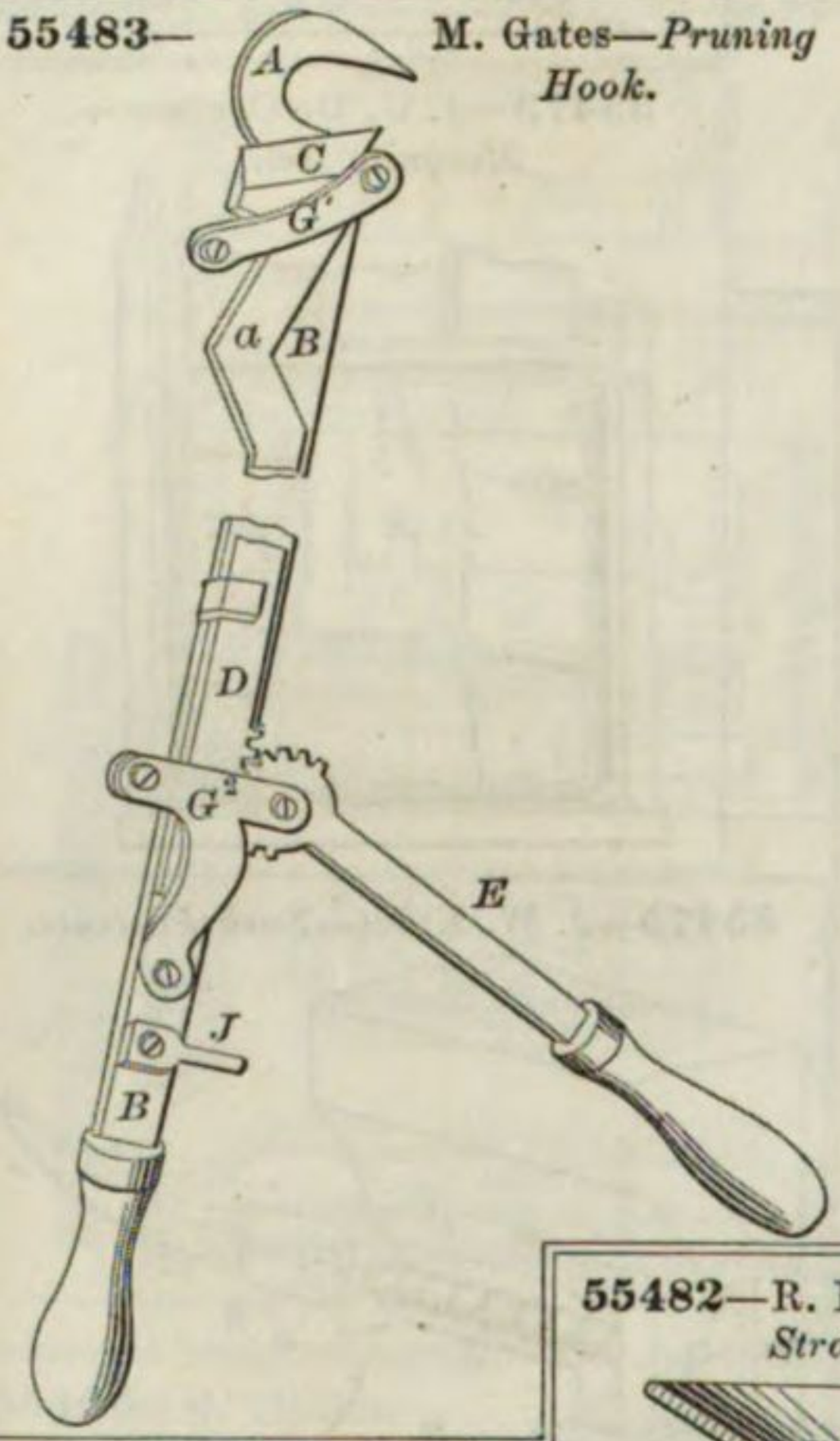
55478—J. B. Fairchild—*Animal Trap.*



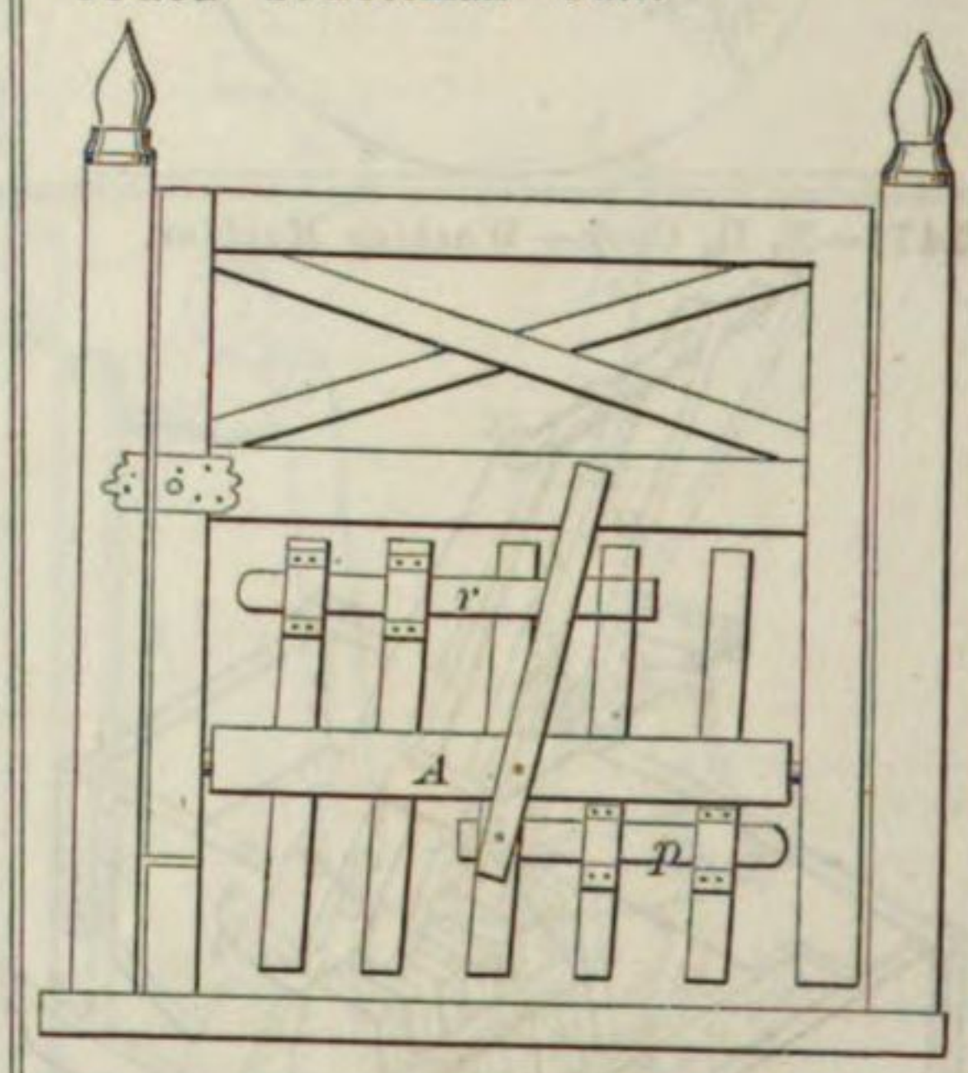
55480—T. W. Fox—*Expelling Water from the Holds of Vessels.*



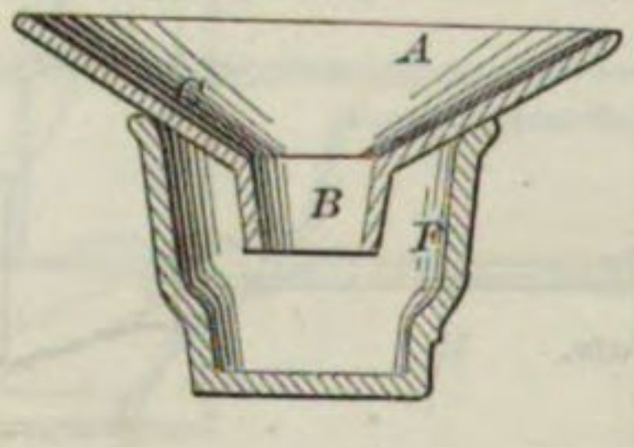
55483—M. Gates—*Pruning Hook.*



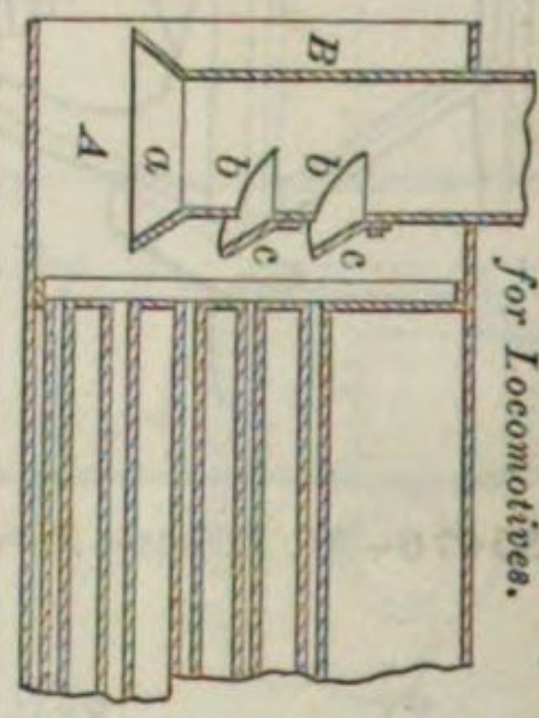
55481—P. Freeman—*Gate.*



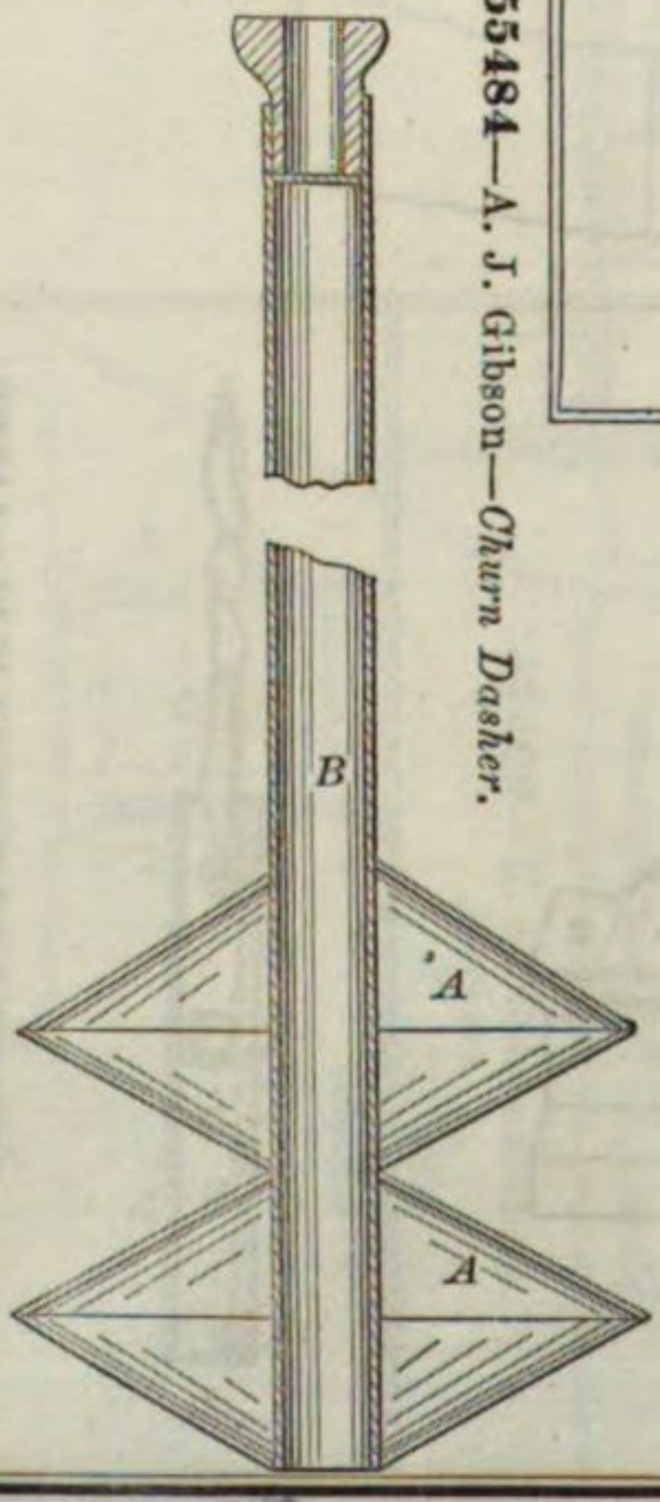
55482—R. B. Fuller—*Vase for Strawberries.*



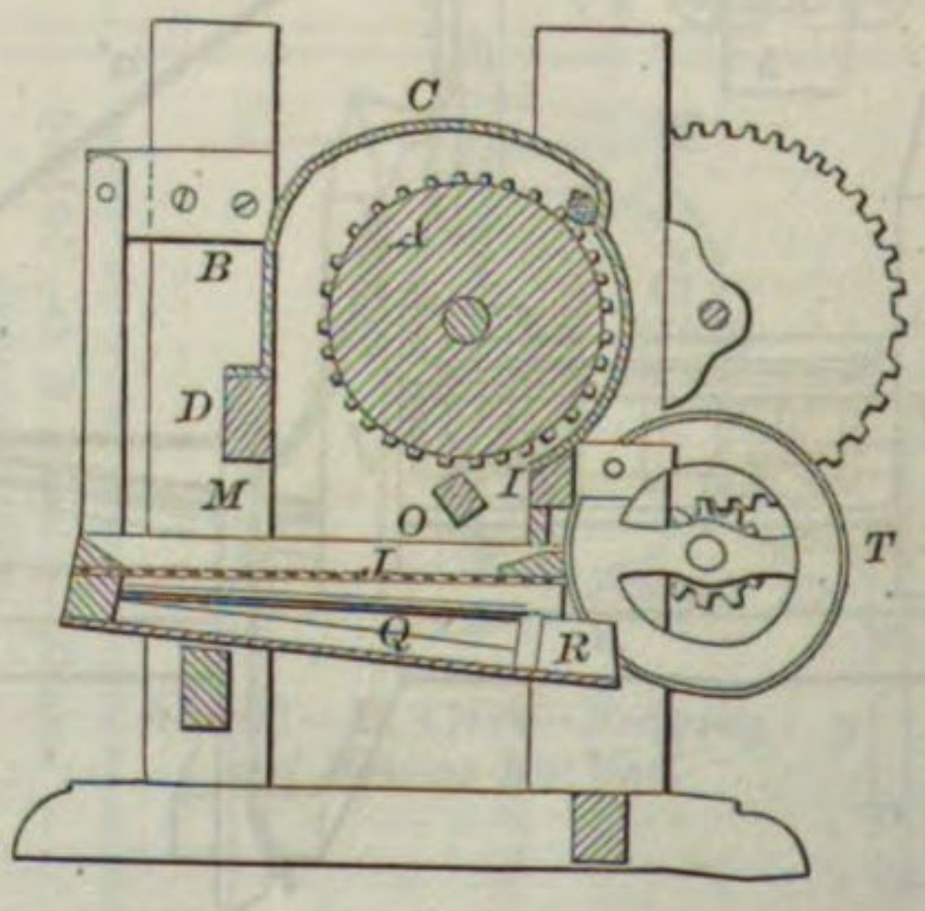
55479—J. M. Foss—*Draft Pipe for Locomotives.*



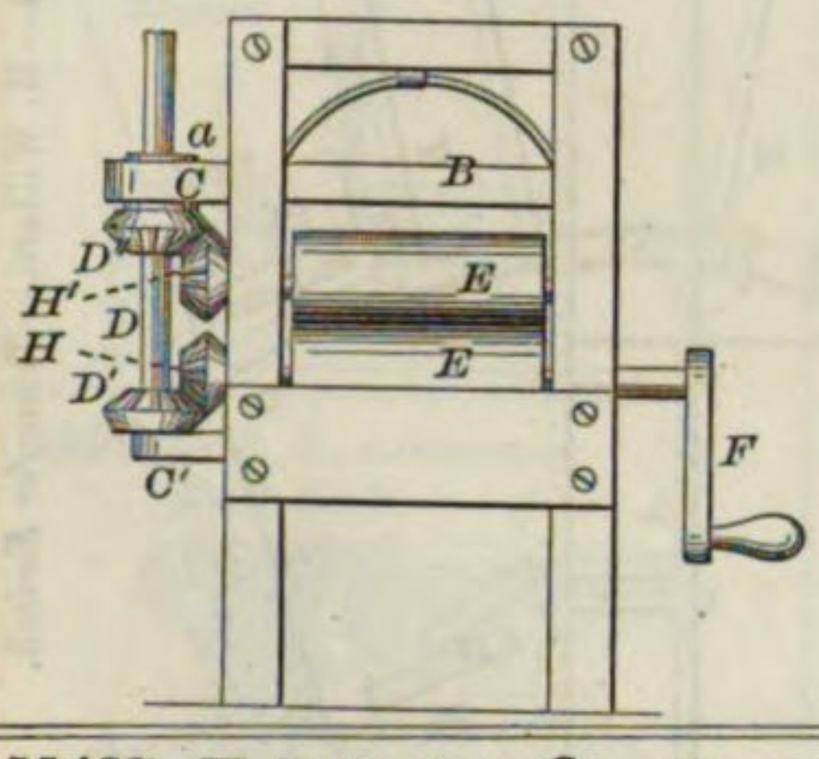
55484—A. J. Gibson—*Churn Dasher.*



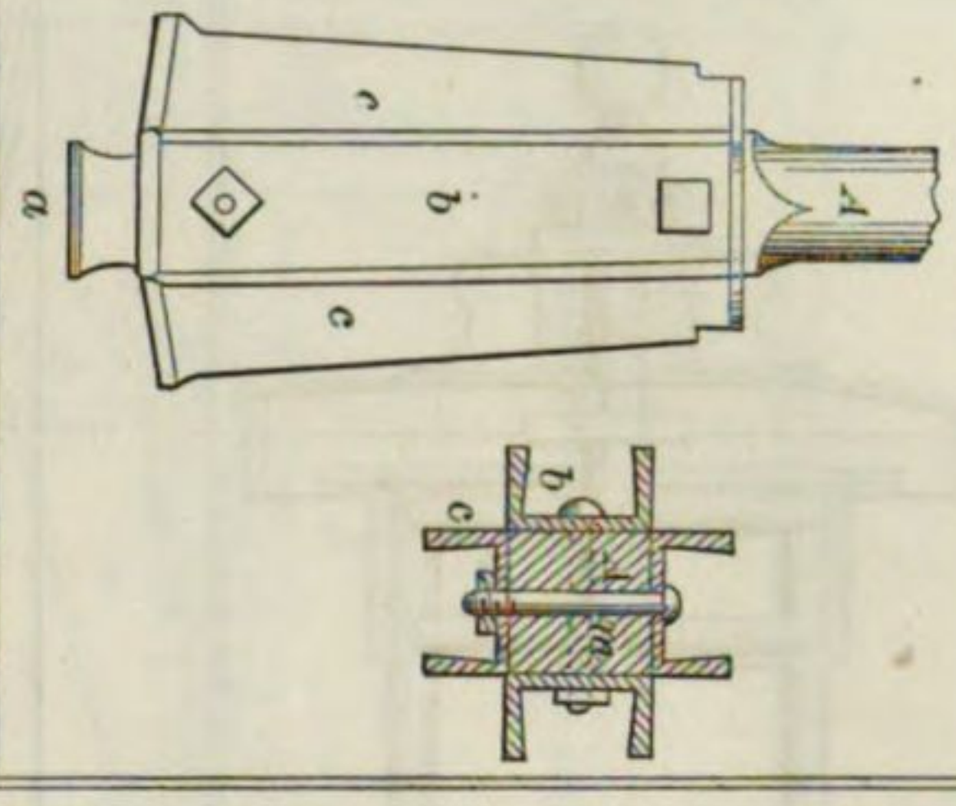
55485—W. Gilman—*Corn Sheller.*



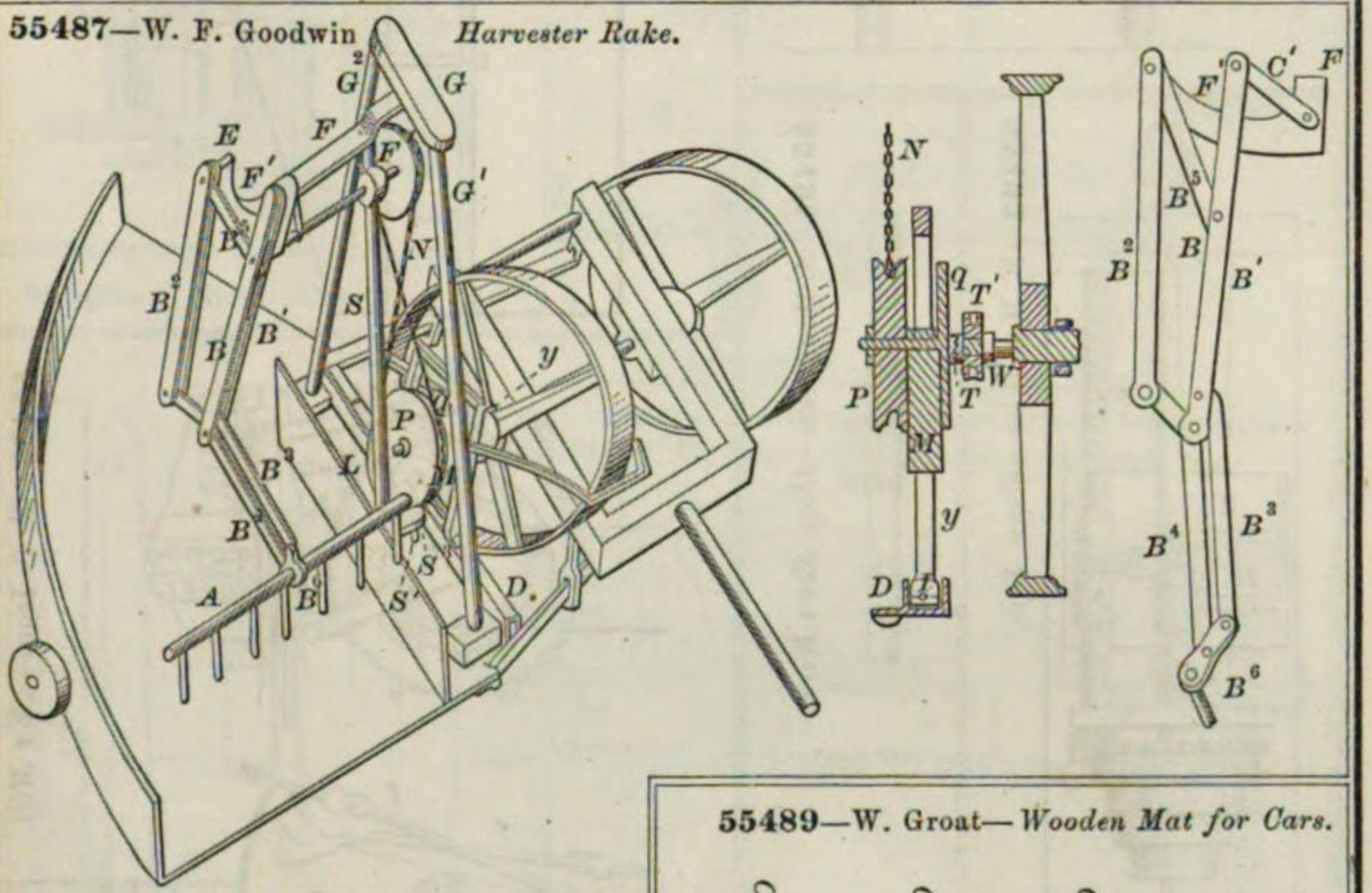
55486—R. Gipson—*Clothes Wringer.*



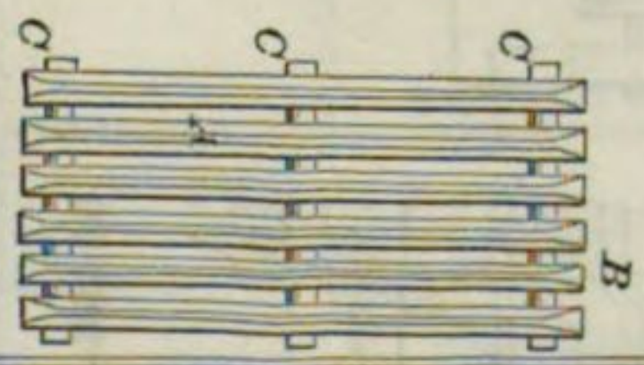
55488—J. Greeves—*Rock Drill.*



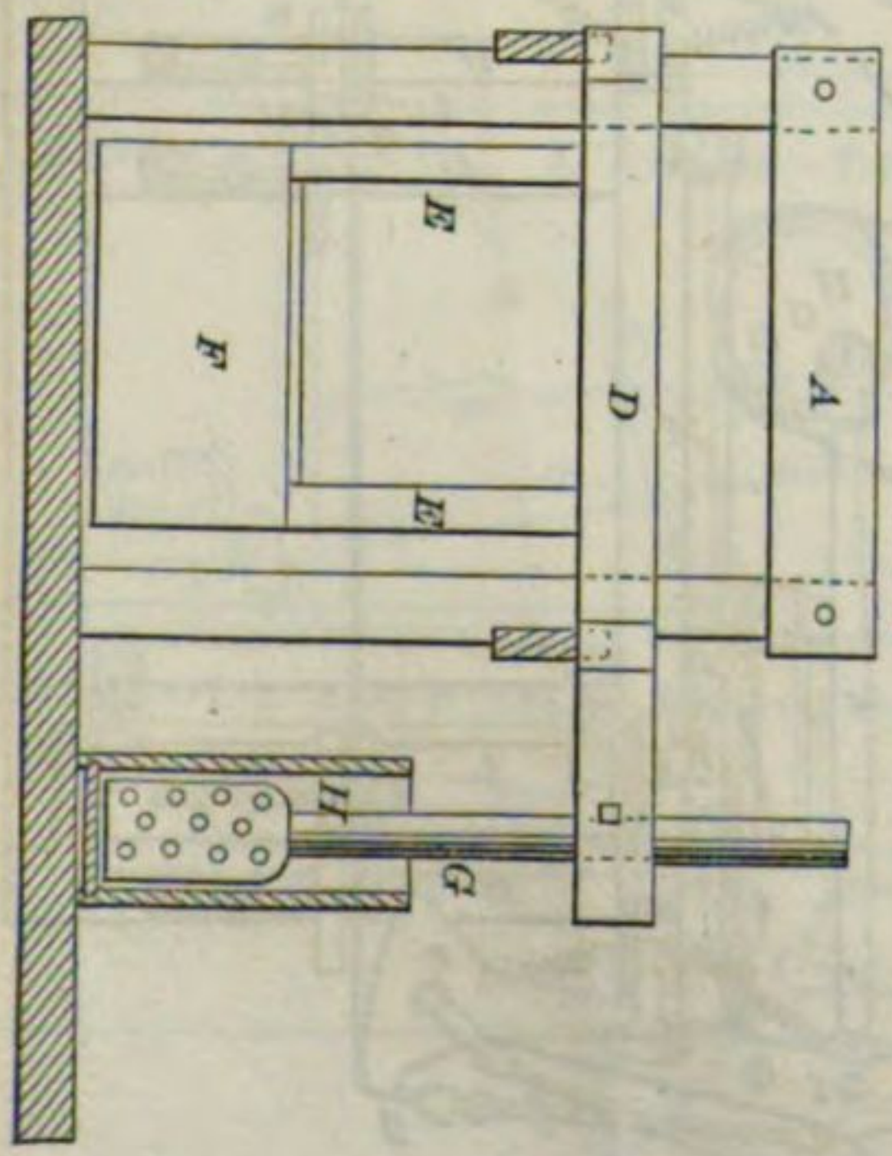
55487—W. F. Goodwin *Harvester Rake.*



55489—W. Groat—*Wooden Mat for Cars.*

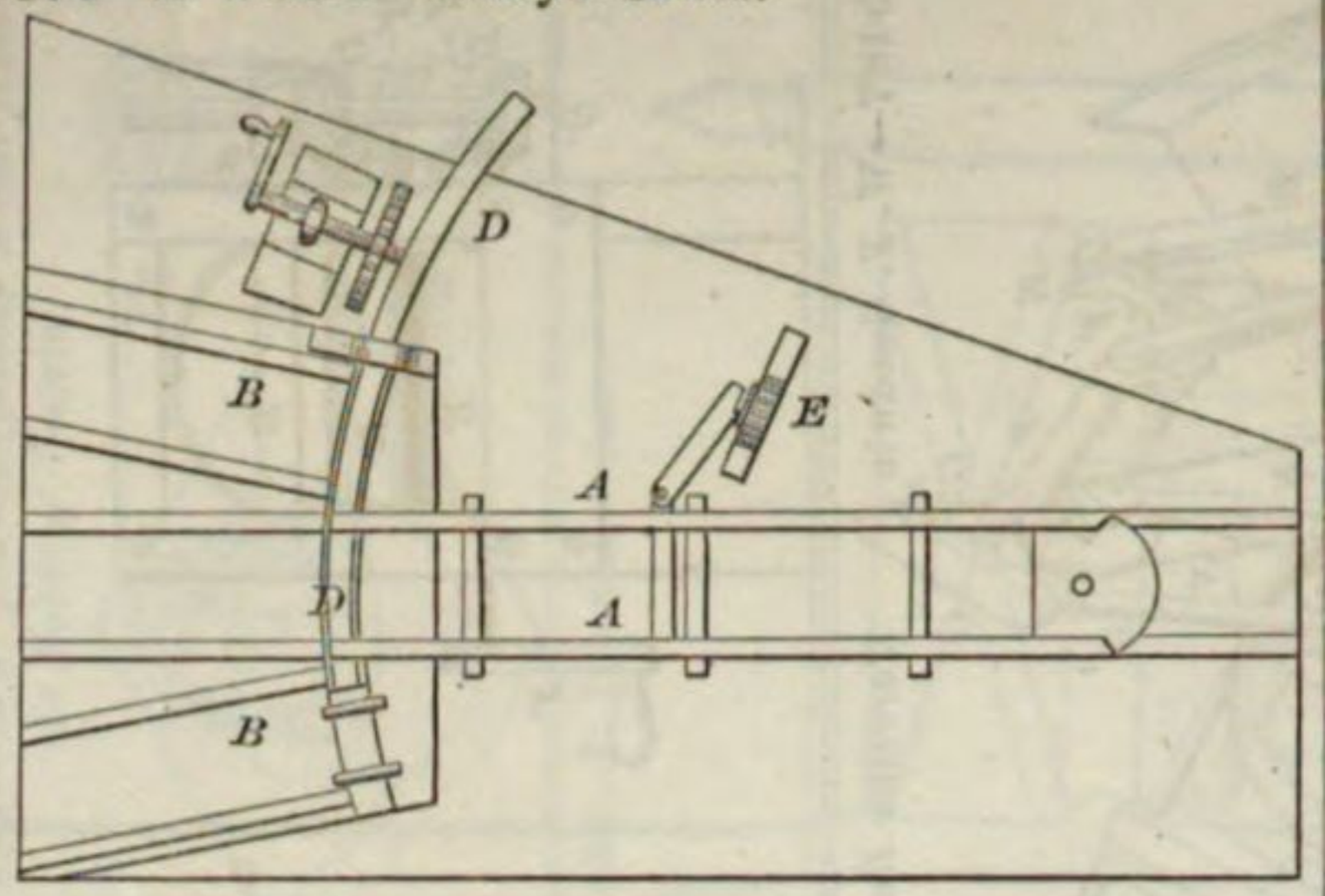


55491—A. W. Hall—*Churn.*

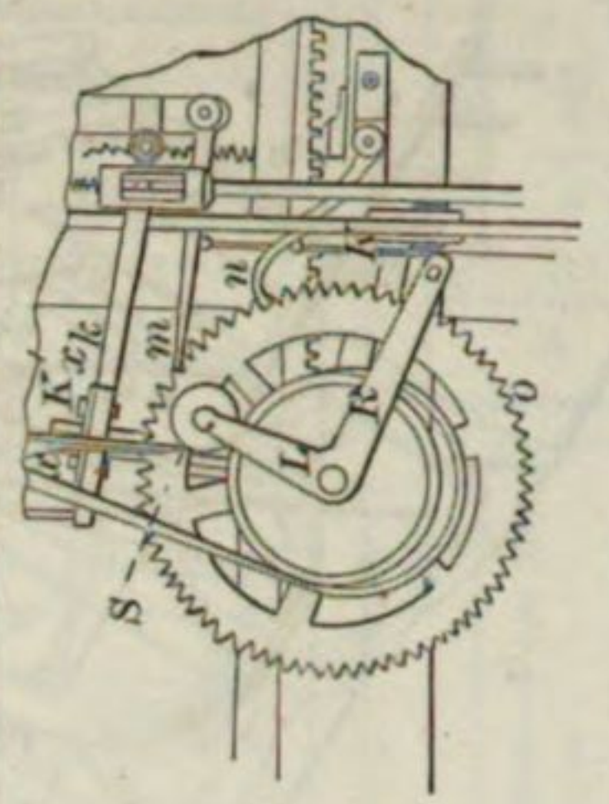


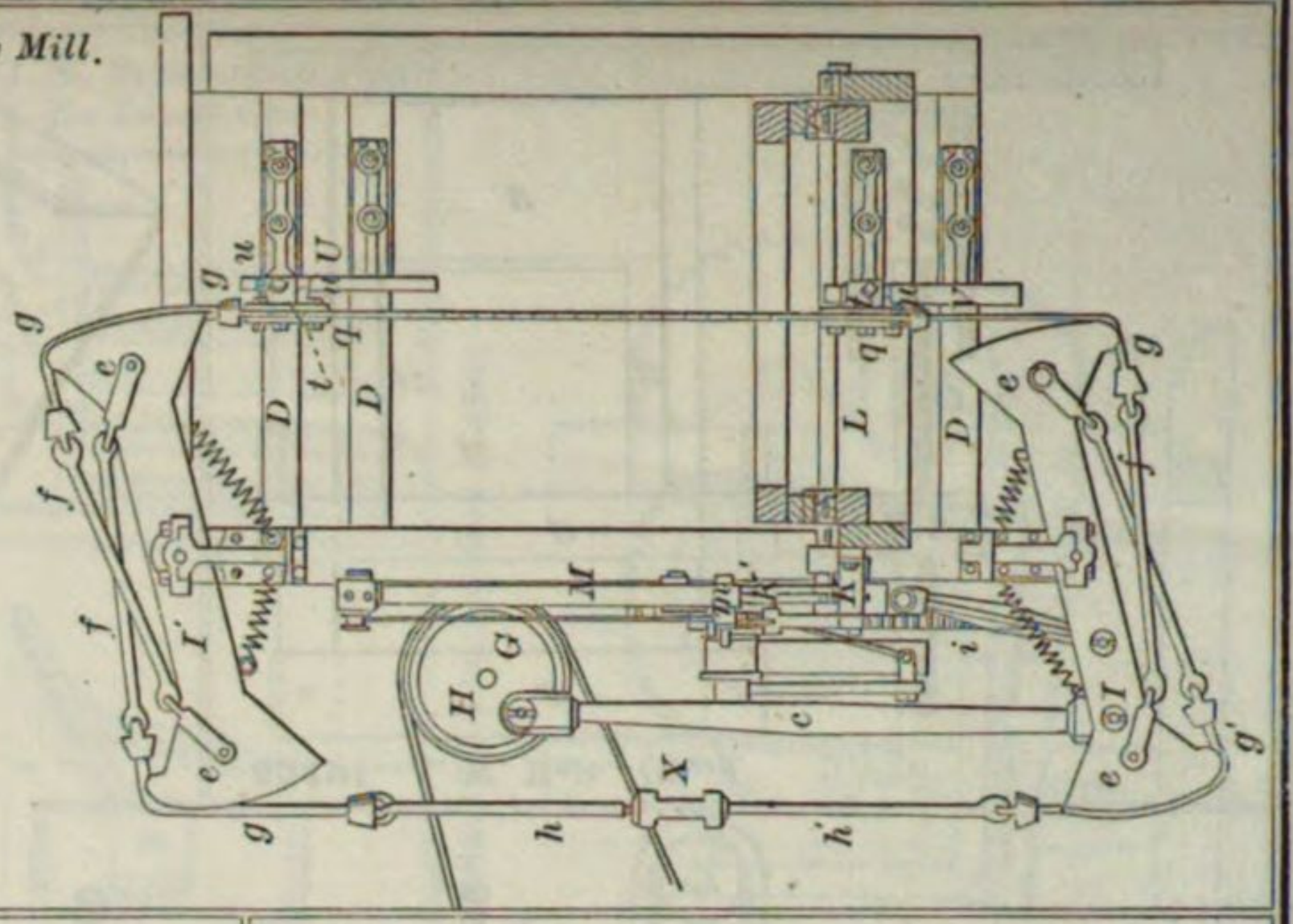
55490—P. S. Haines—*Treating Wool for Picking.*

55494—H. Willard—*Transfer Switch.*

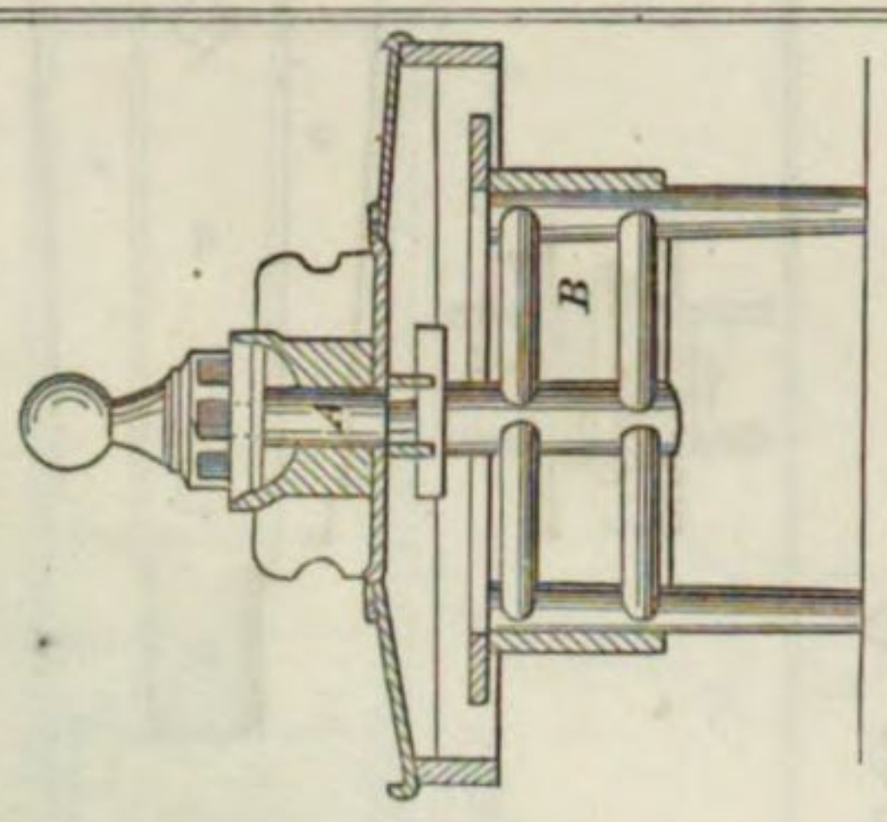


55497—E. P. Irons—*Saw Mill.*

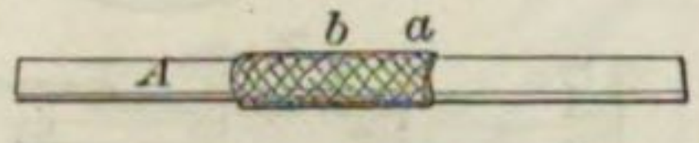




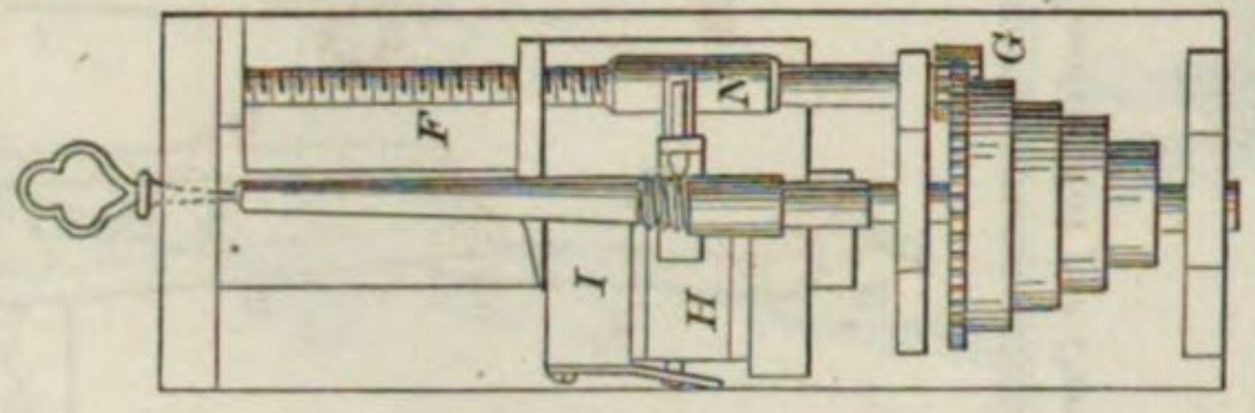
55492—C. Hope—*Revolving Desk.*



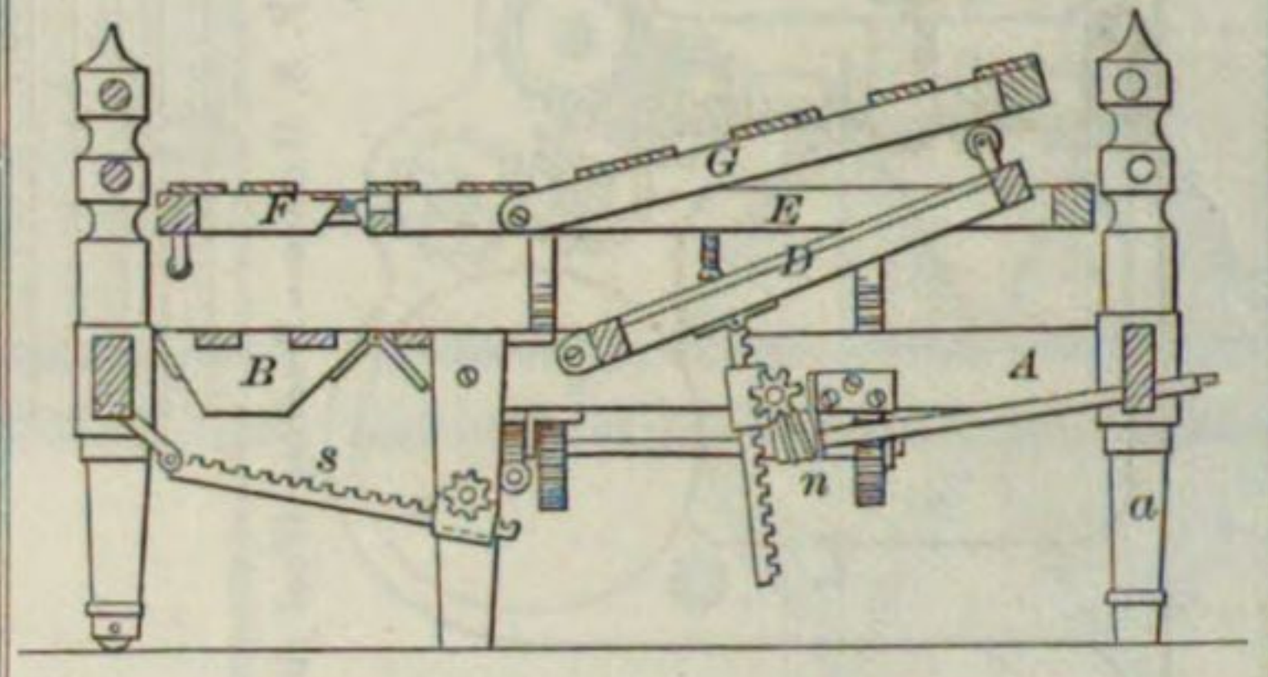
55495—S. Houghton—*Hoop Skirt Wire.*



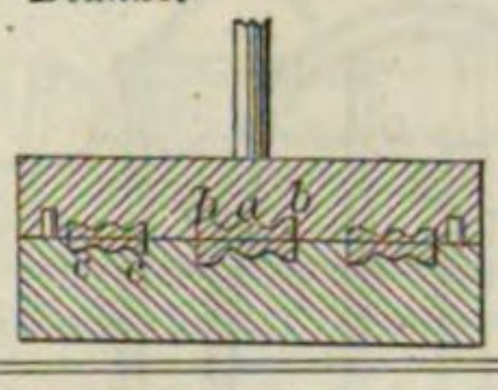
55493—B. Hotchkiss—*Screw Tap.*



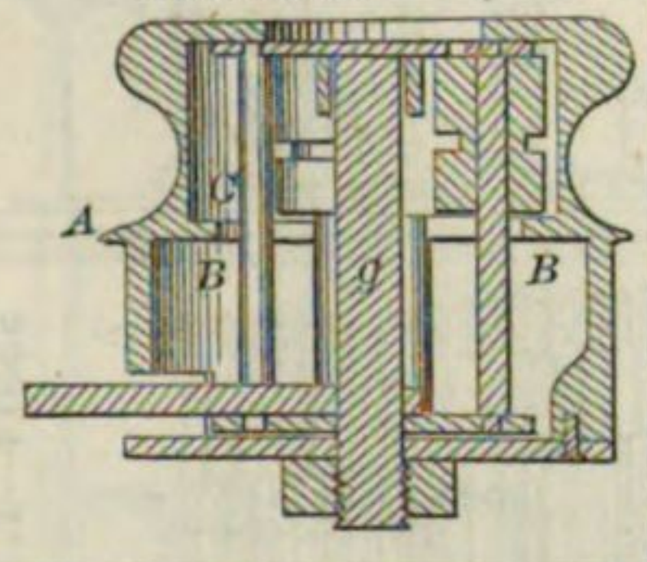
55496—E. Hutchinson—*Invalid Bedstead.*



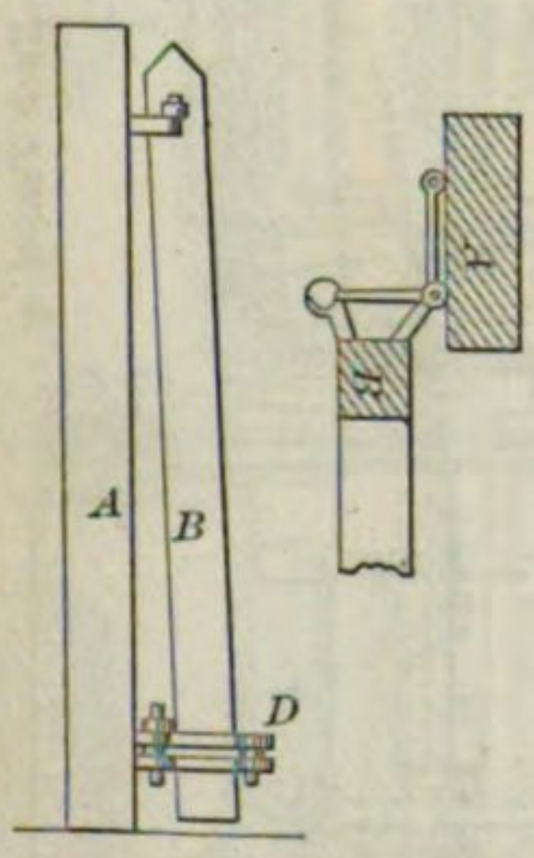
55498—R. Jennings—*For Swaging the Ends of Auger Blanks.*



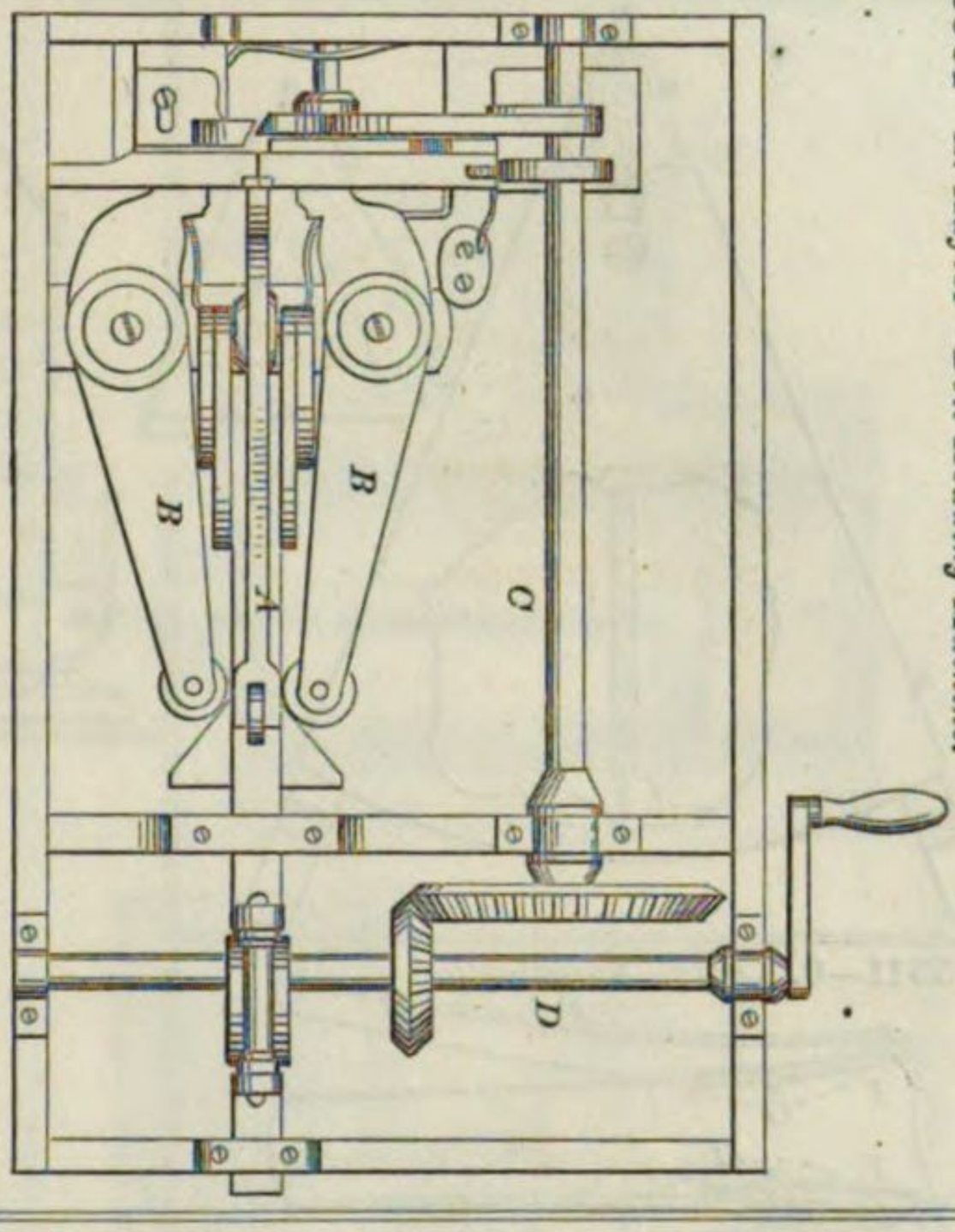
55500—F. G. Johnson—*Knob Lock.*



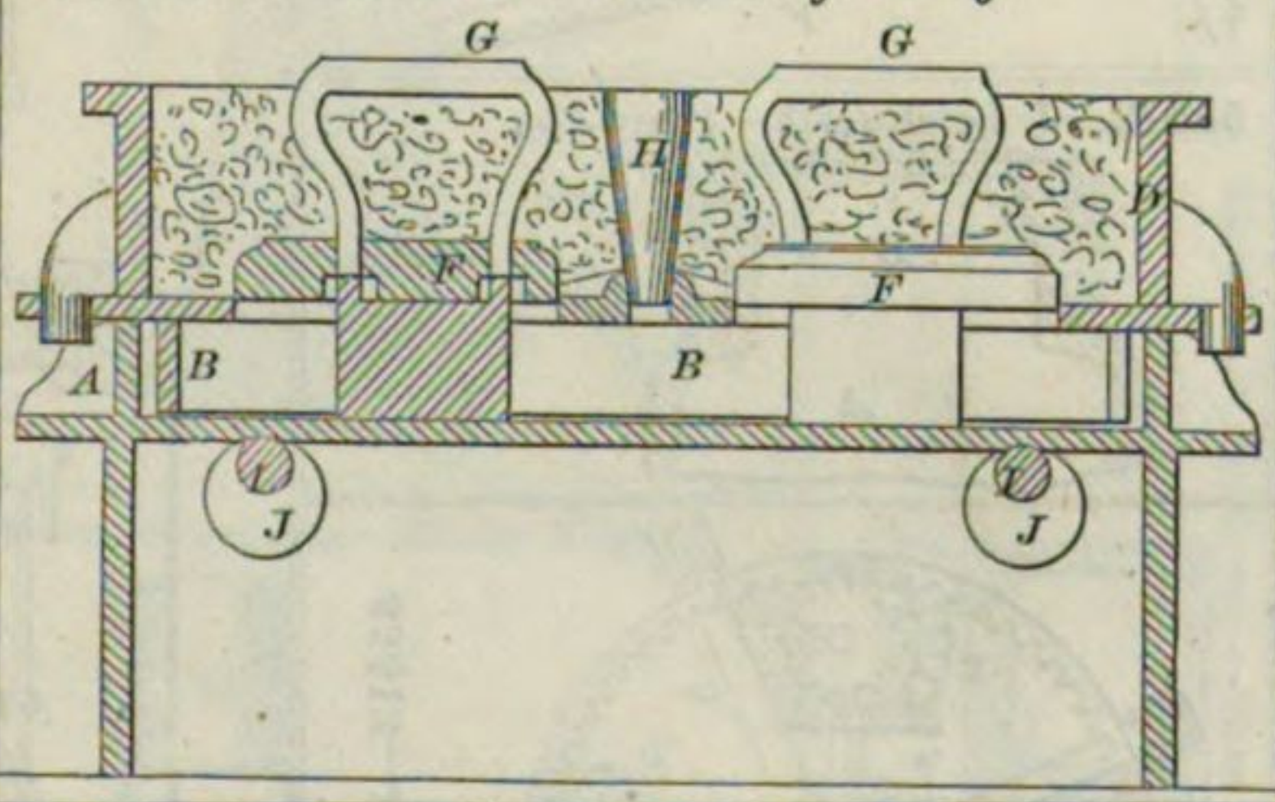
55505—H. Last—*Gate Hinge.*



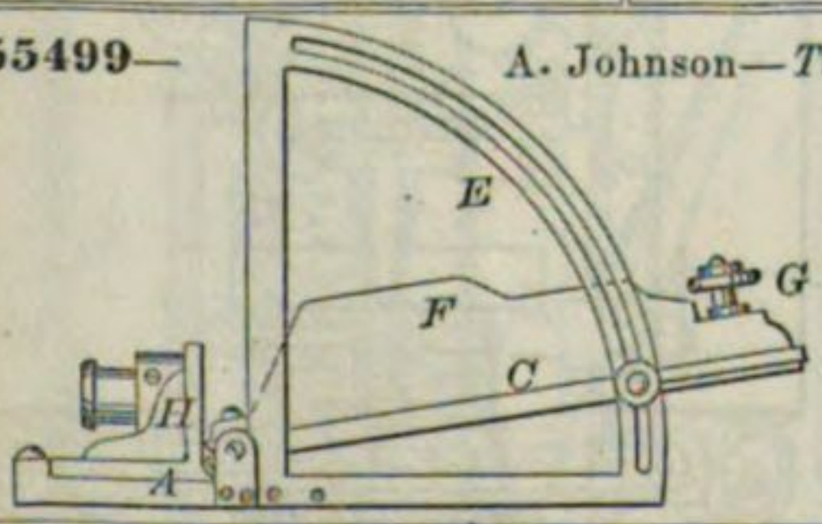
55501—E. Kaylor—*Bolt Heading Machine.*



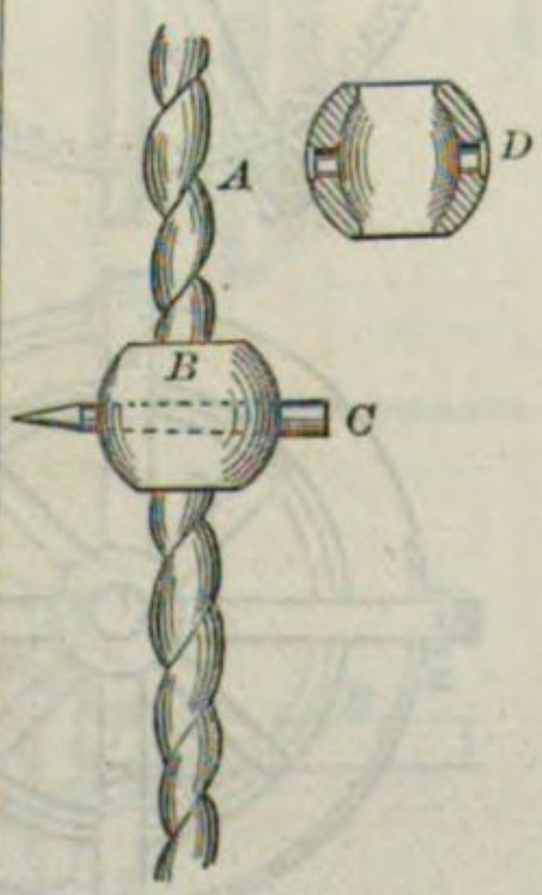
55504—P. W. Lamb—*For Moulding Castings.*



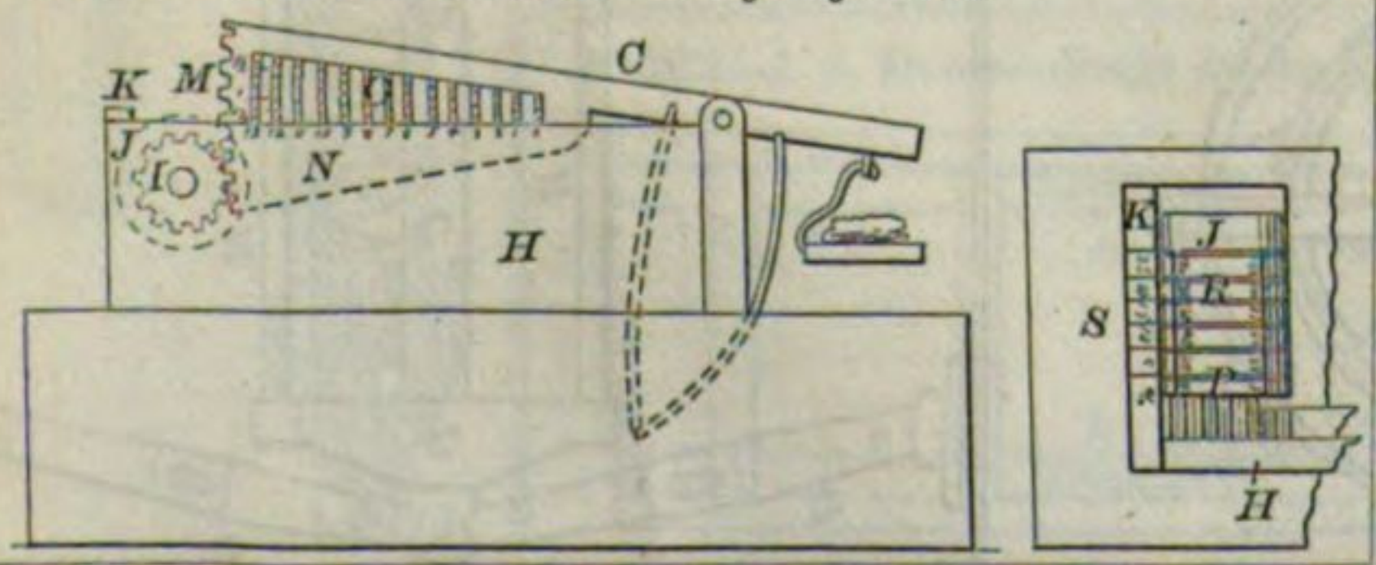
55499—A. Johnson—*Trimming Mitre Joints.*



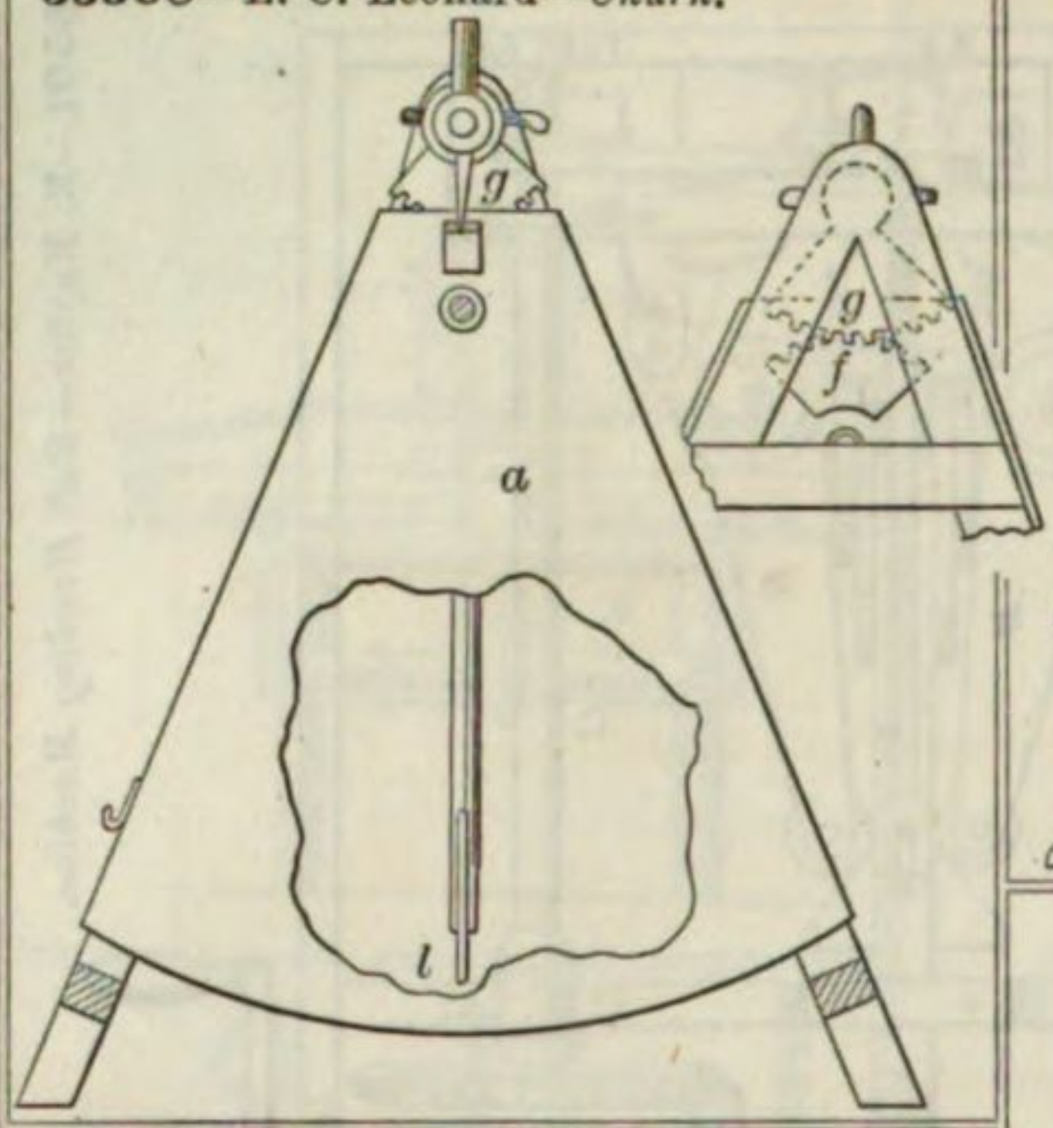
55506—O. B. Latham—*Rope Guard.*



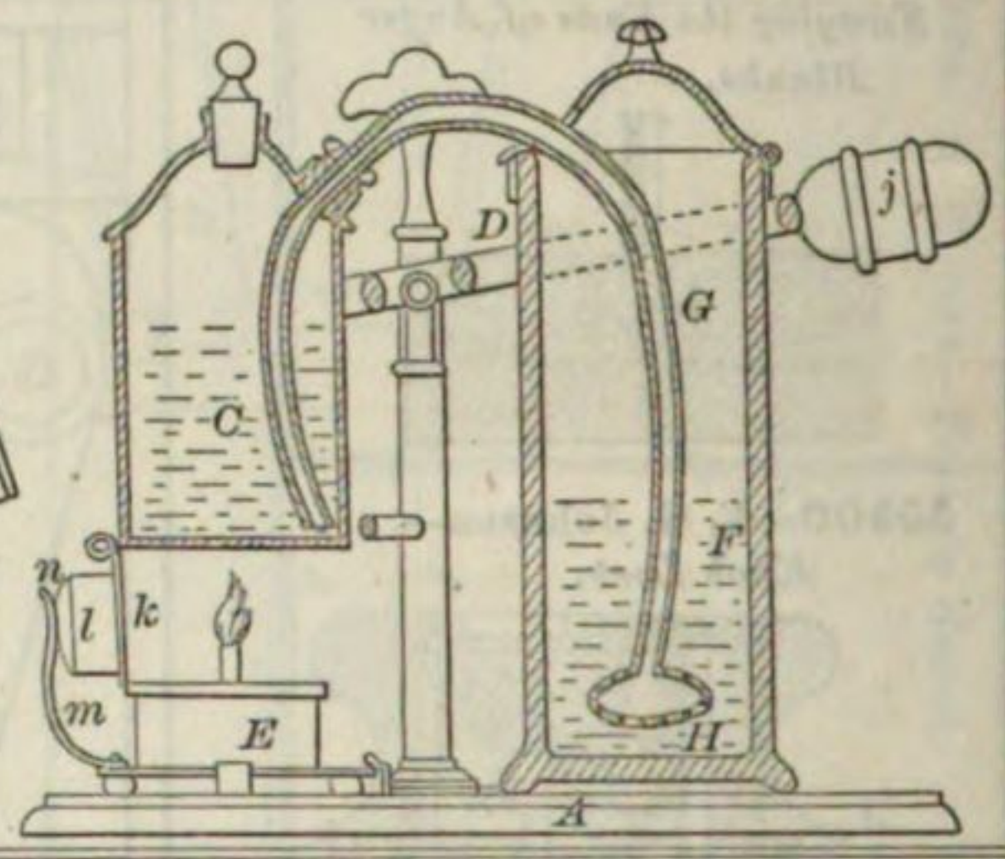
55503—J. S. & E. B. Lake—*Weighing Scale.*



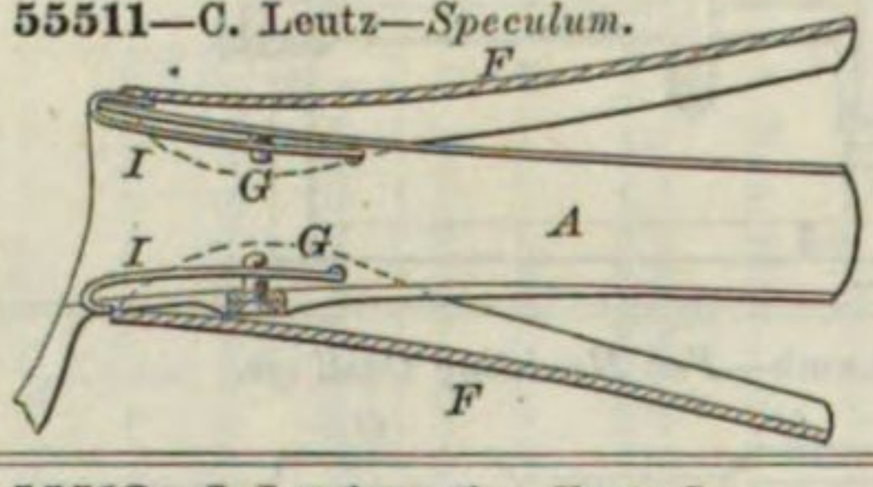
55508—E. C. Leonard—*Churn.*



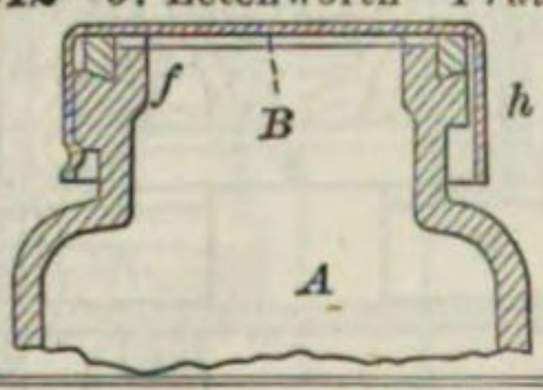
55509—F. Liesche—*For Making Coffee.*



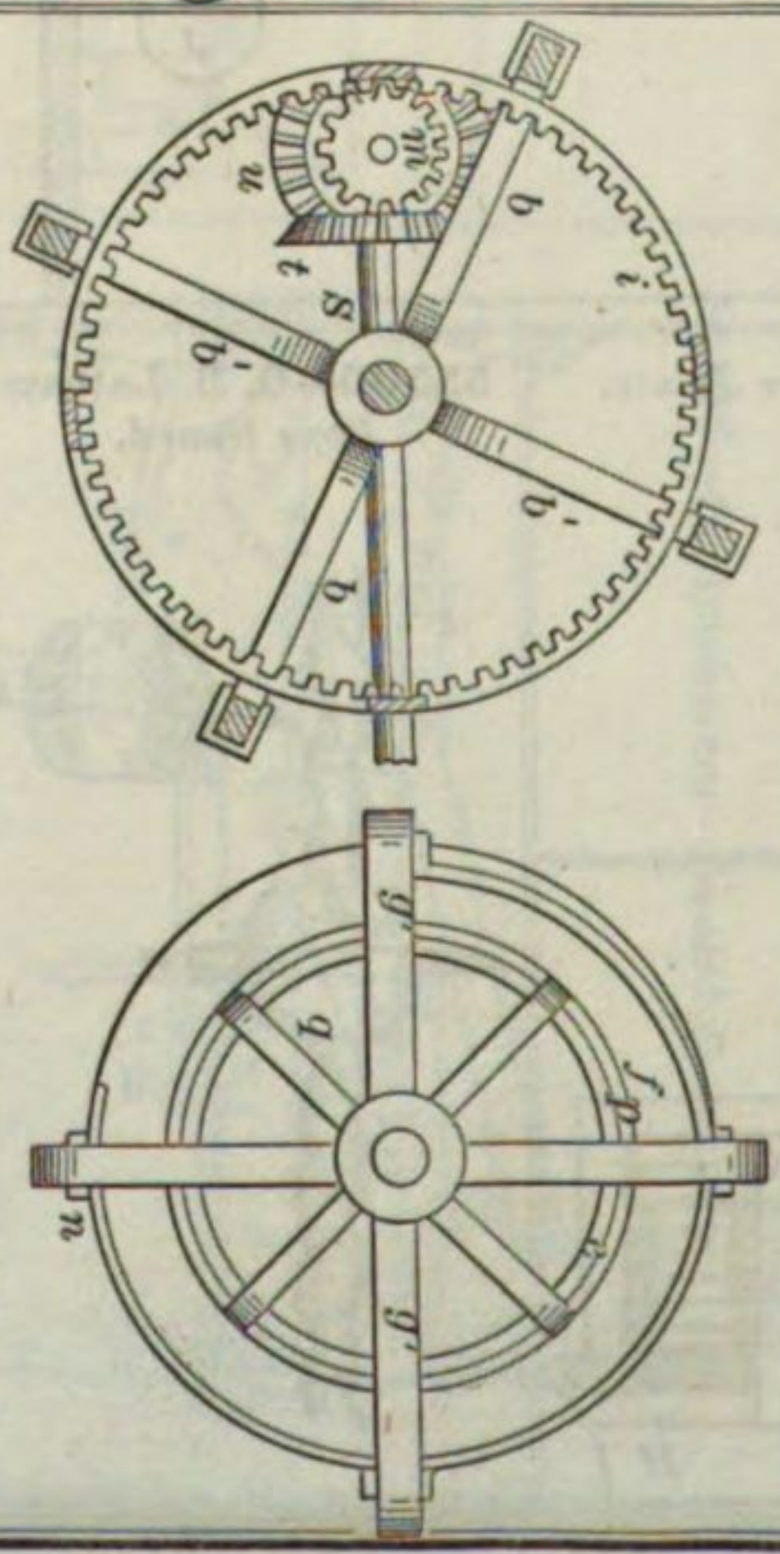
55511—C. Leutz—*Speculum.*



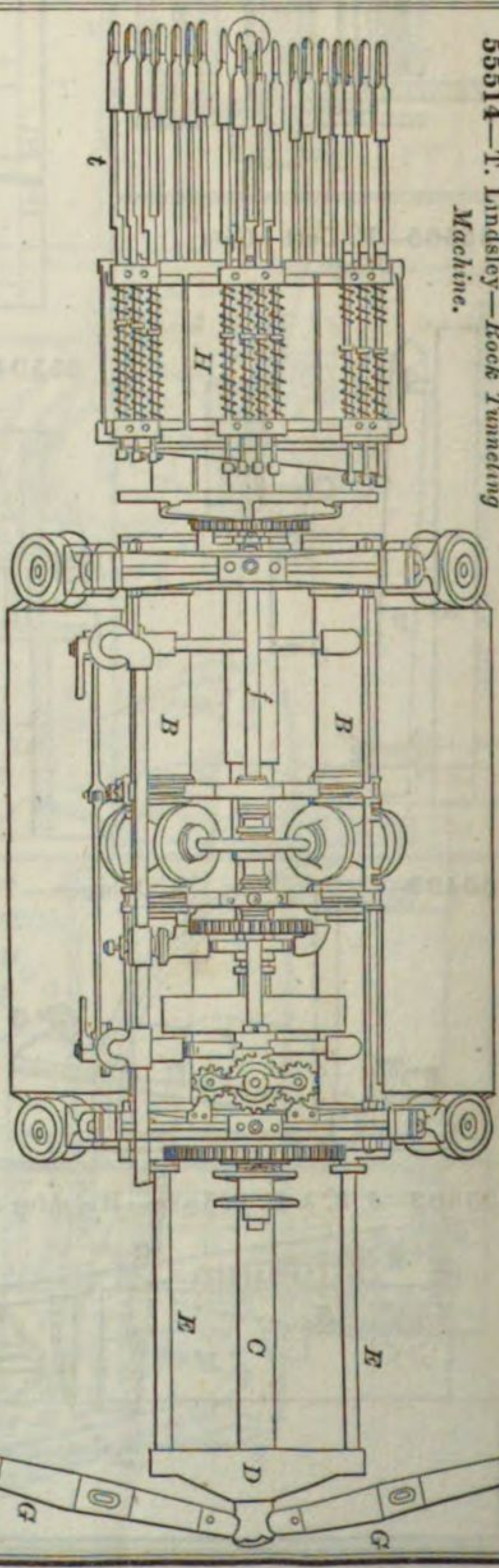
55512—J. Letchworth—*Fruit Jar.*



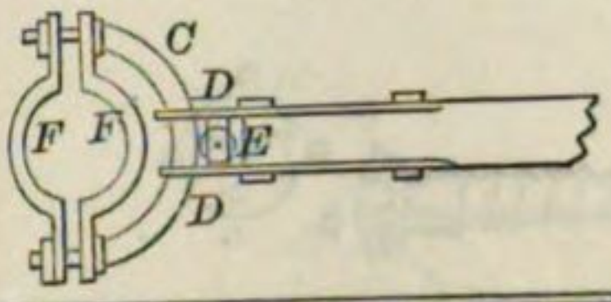
55513—J. Letzkus—*Squeezer.*



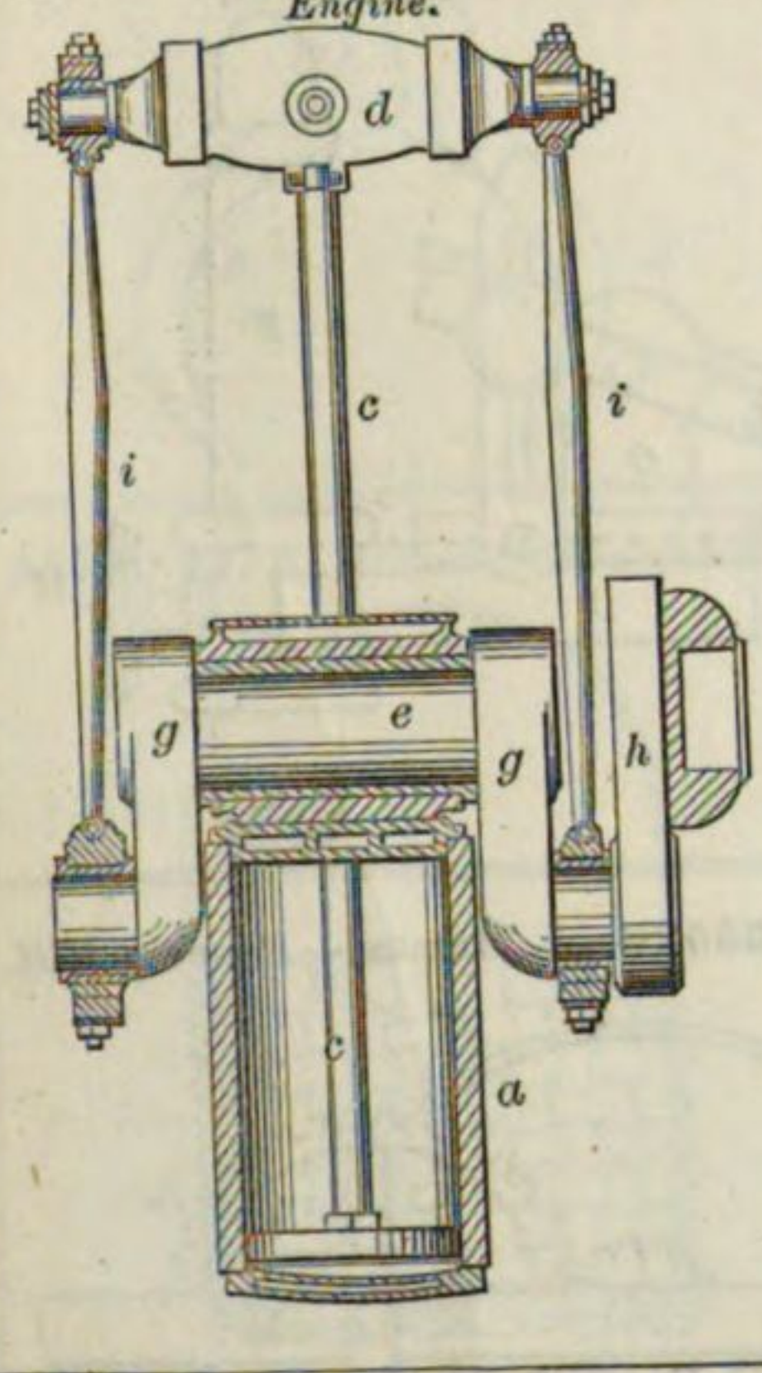
55514—T. Lindsley—*Rock Tunneling Machine.*



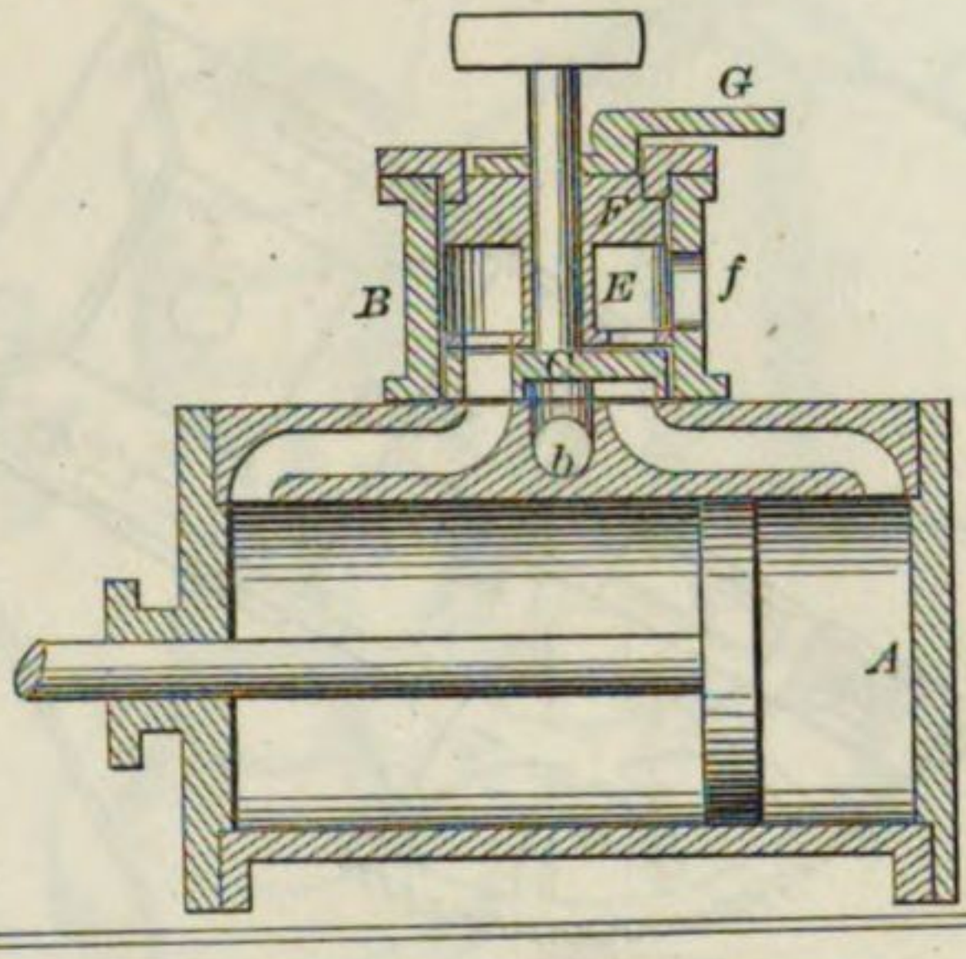
55515—B. McGrath—*Boom Connection for Masts.*



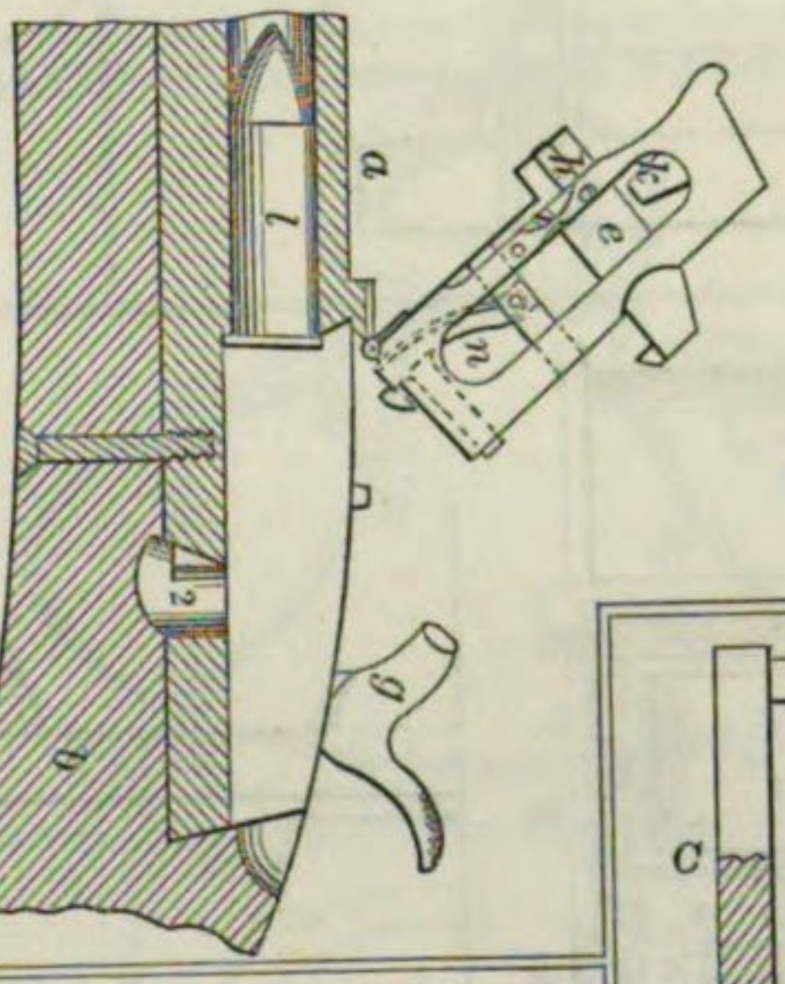
55516—W. L. & T. Winans—*Steam Engine.*



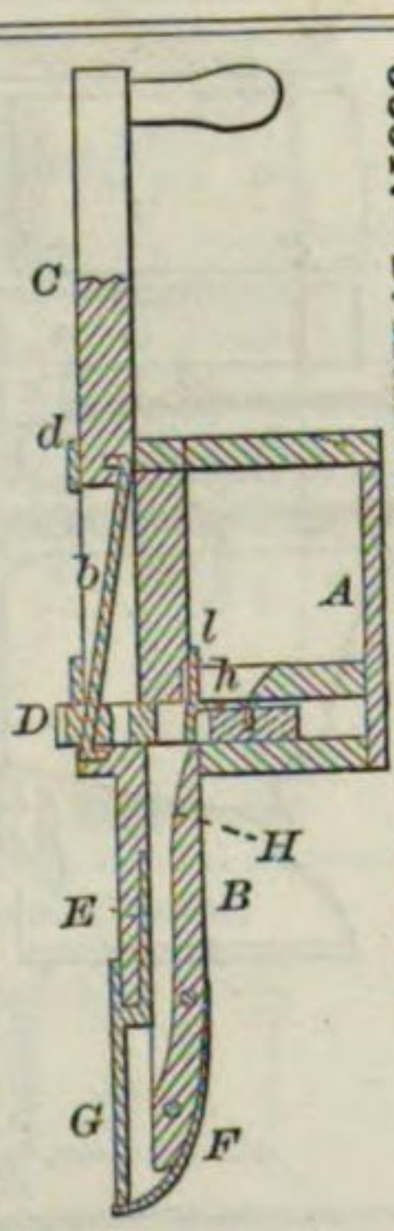
55518—B. F. McKinley—*Balanced Cut-off Valve.*



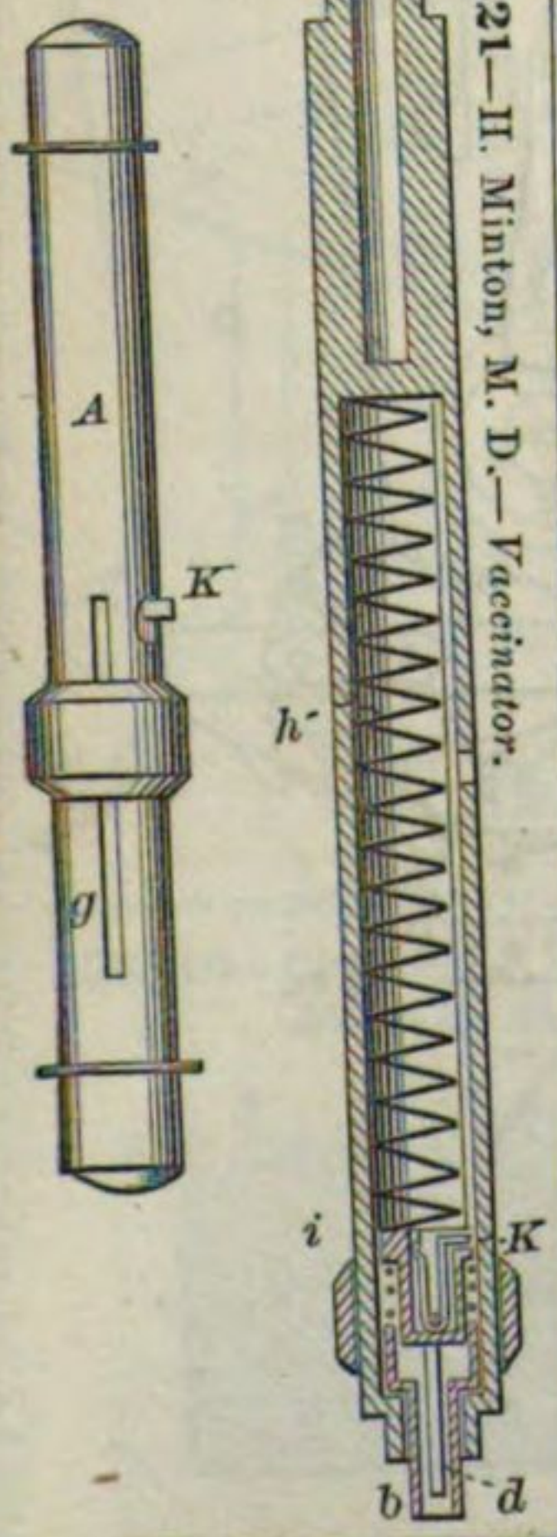
55520—I. M. Milbank—*Breech-Loading Fire Arm.*



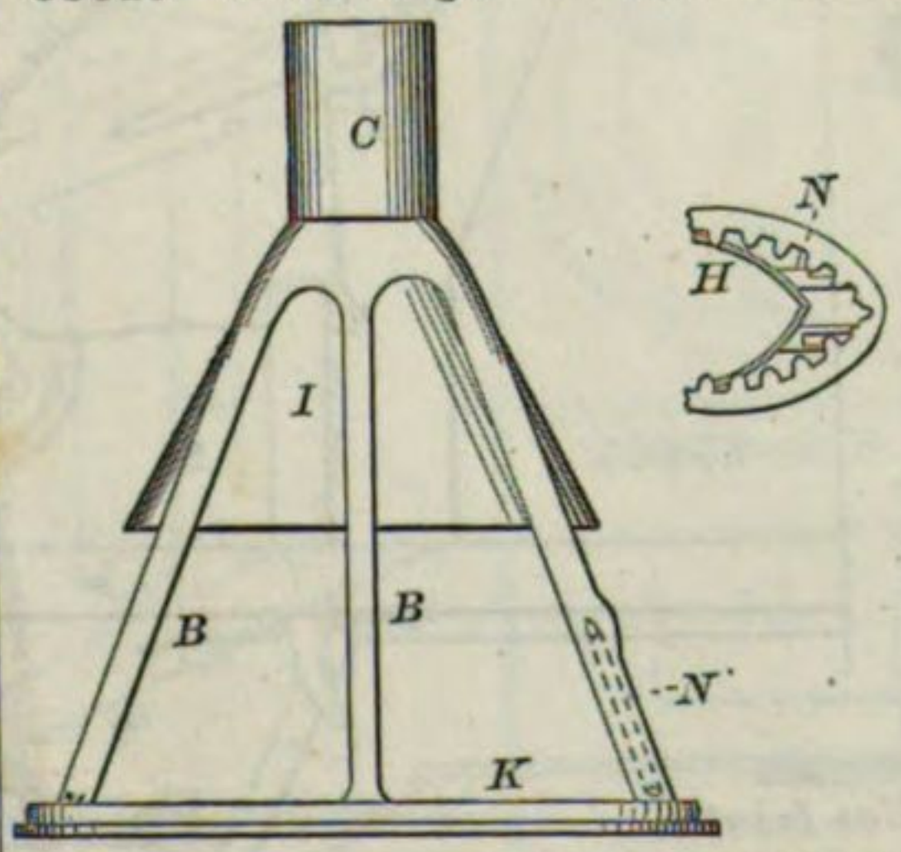
55517—D. McKanna—*Hand Corn Planter.*



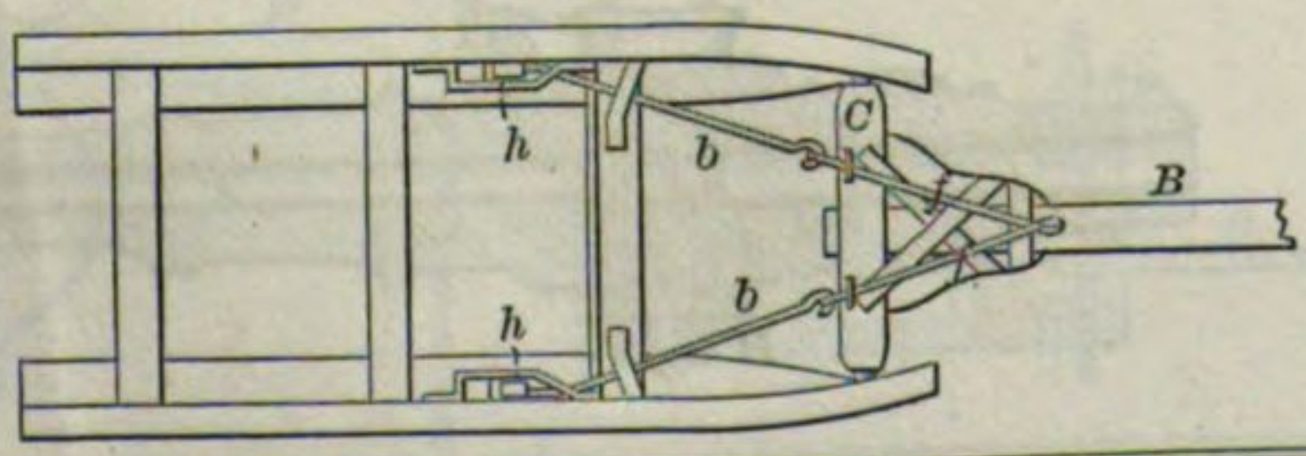
55521—H. Minton, M. D.—*Vaccinator.*



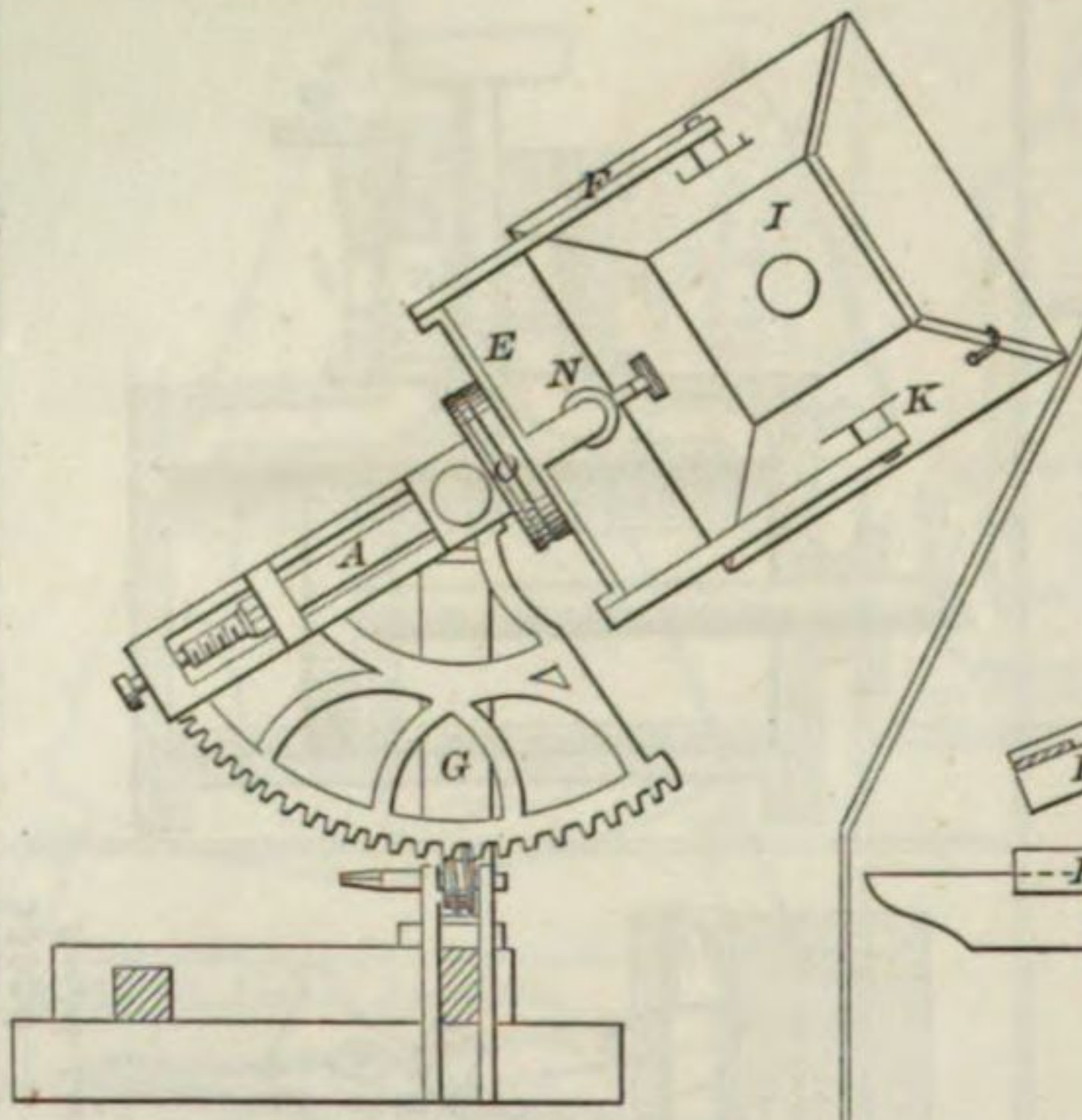
55519—C. Messenger—*Broom Head.*



55522—J. J. Moore—*Sleigh Brake.*

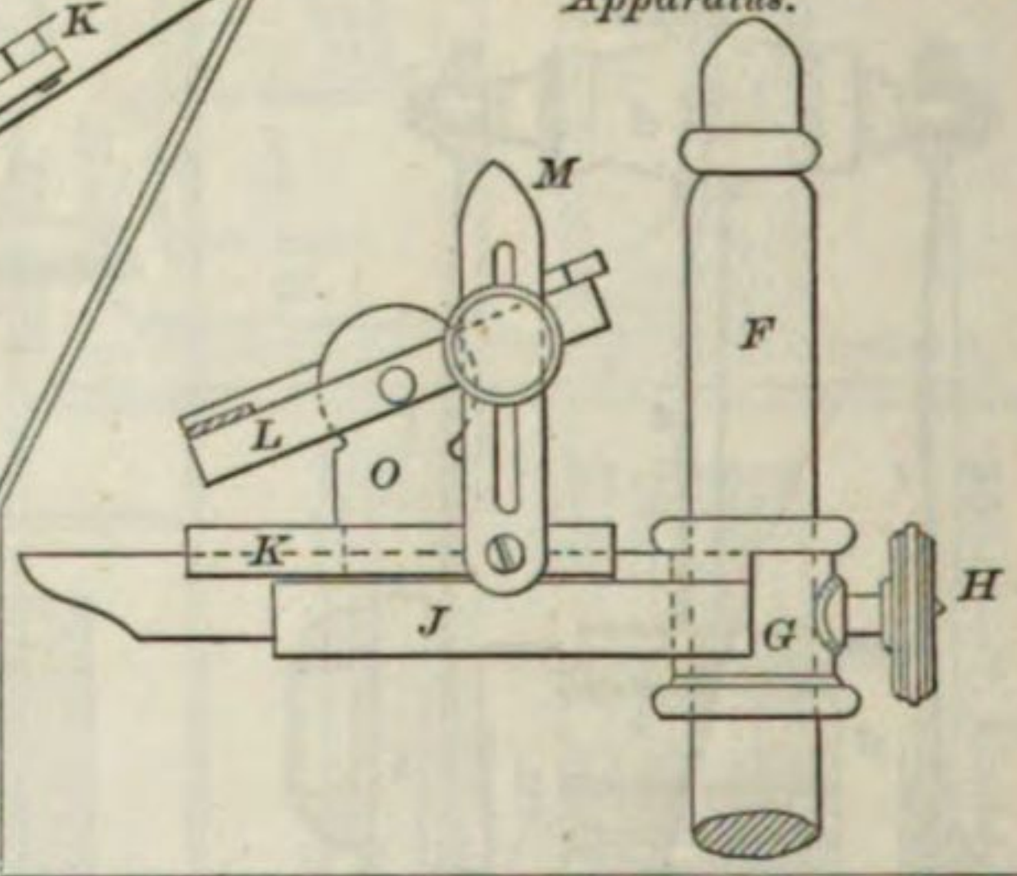


55523—Morawetz & Volkmar—*Automatic Heliotrope.*

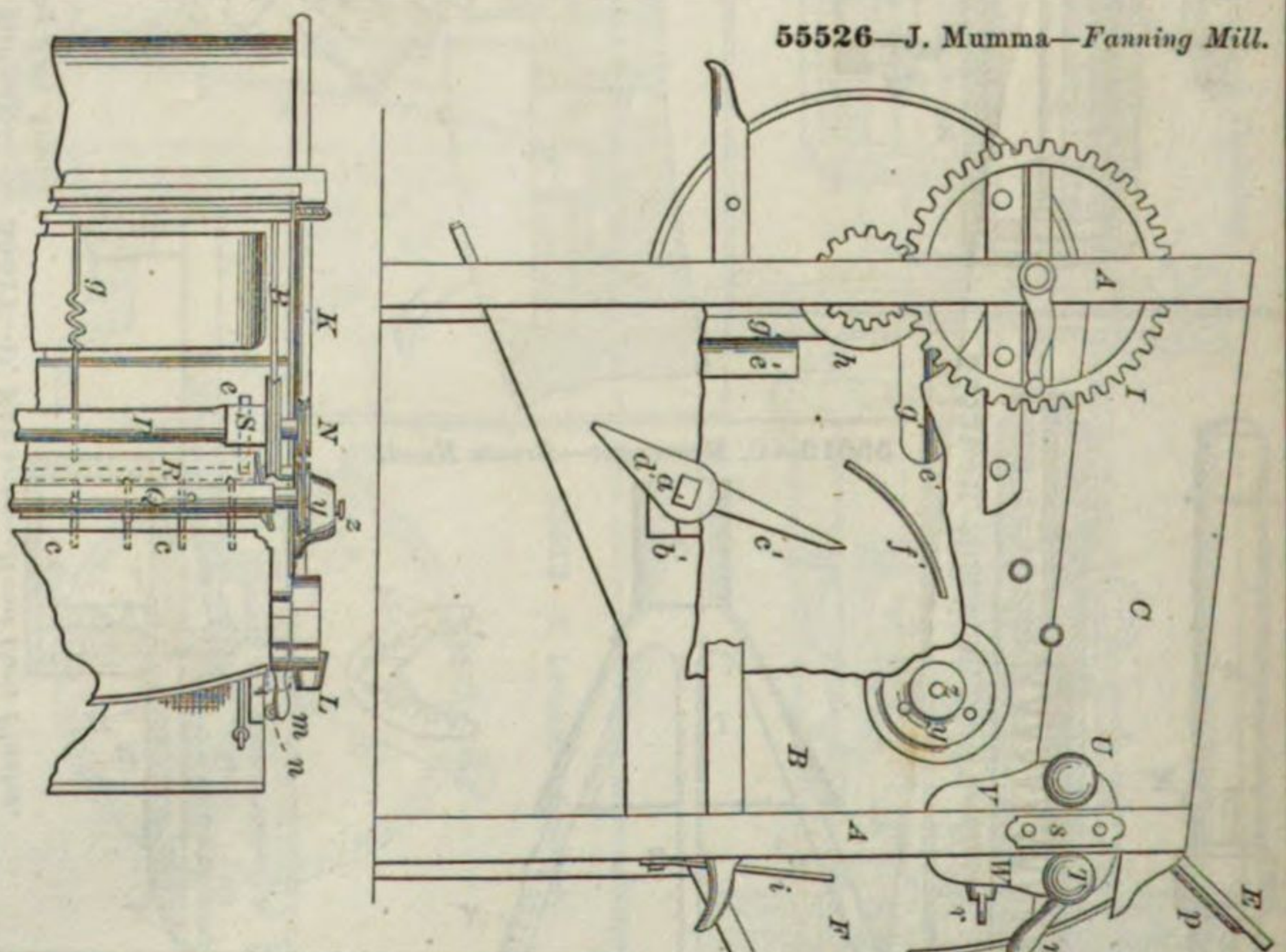


55524—G. L. Morris—*Nicking Screw Heads.*

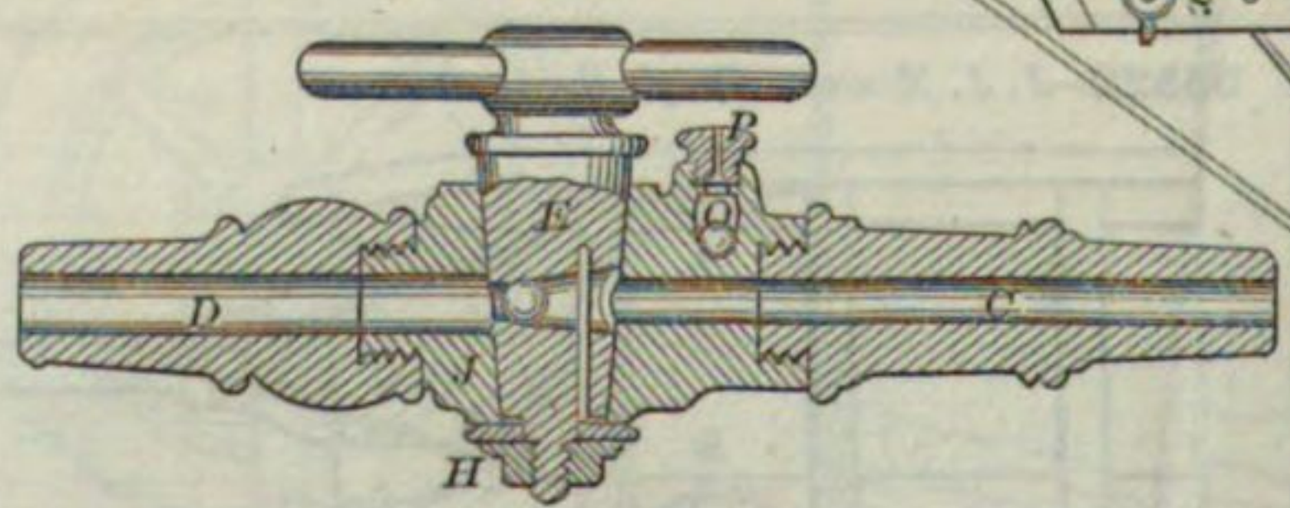
55525—E. Müller—*Photographic Apparatus.*



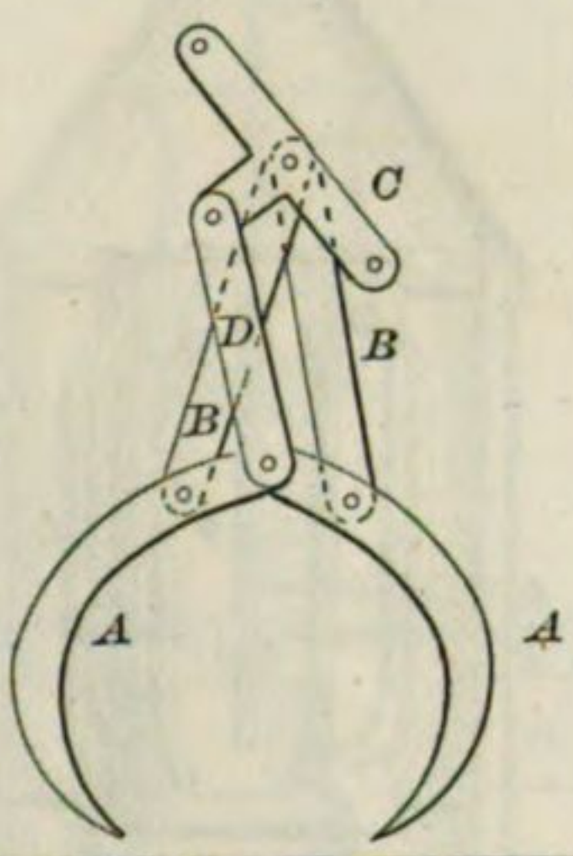
55526—J. Mumma—*Fanning Mill.*



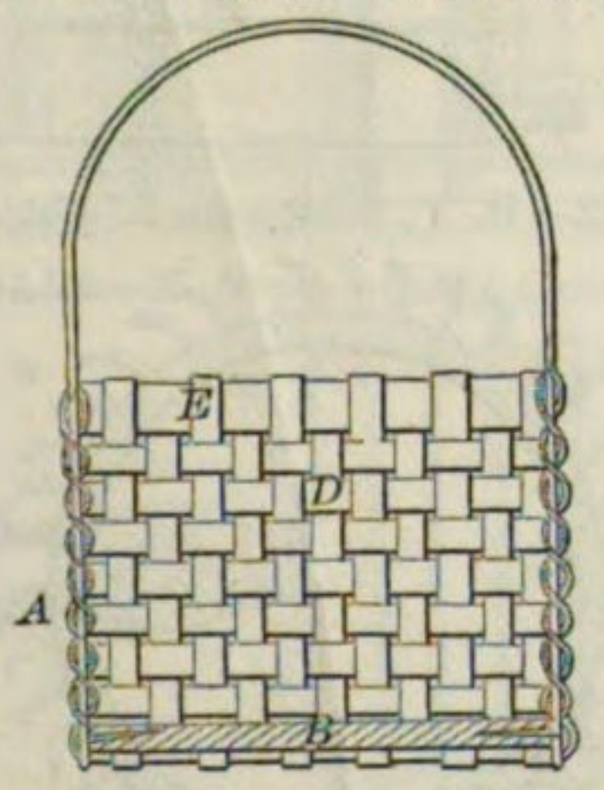
55527—C. L. Munns—*Gas Inhaler.*



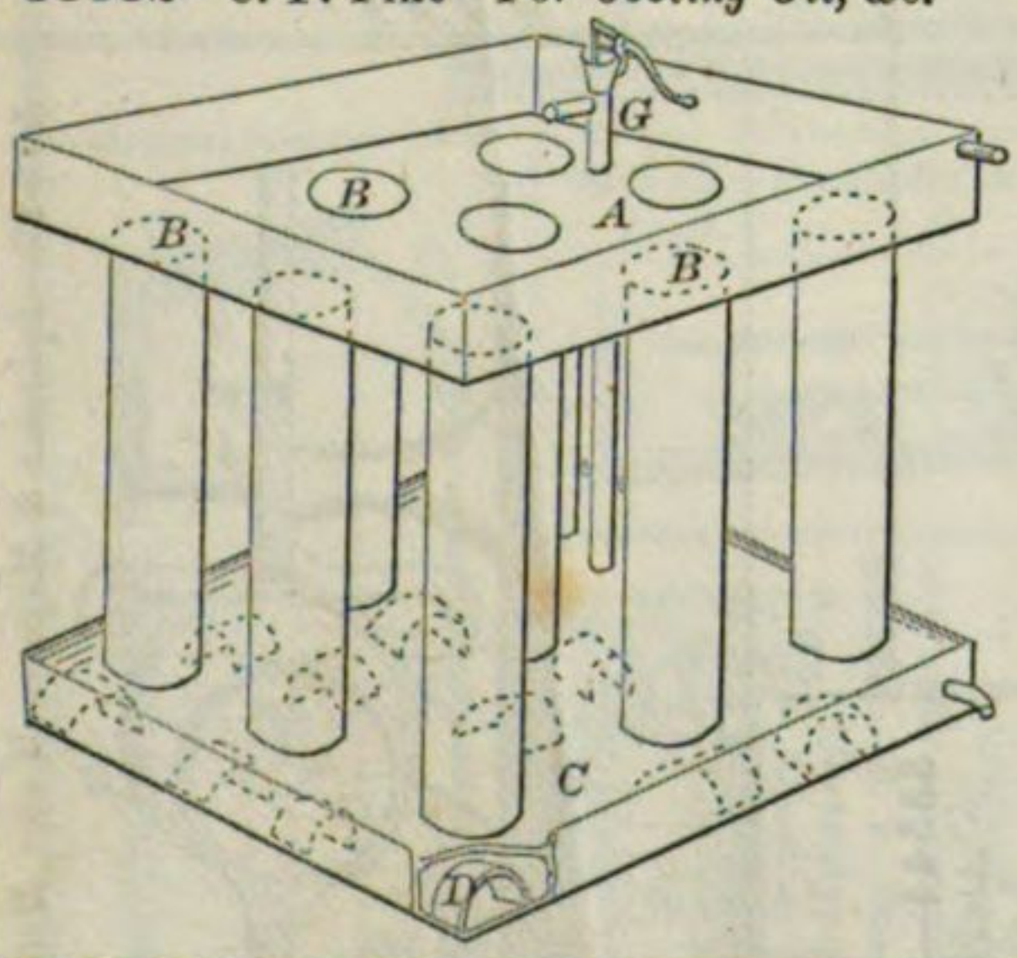
55528—J. K. O'Neil—*Horse Hay Fork.*



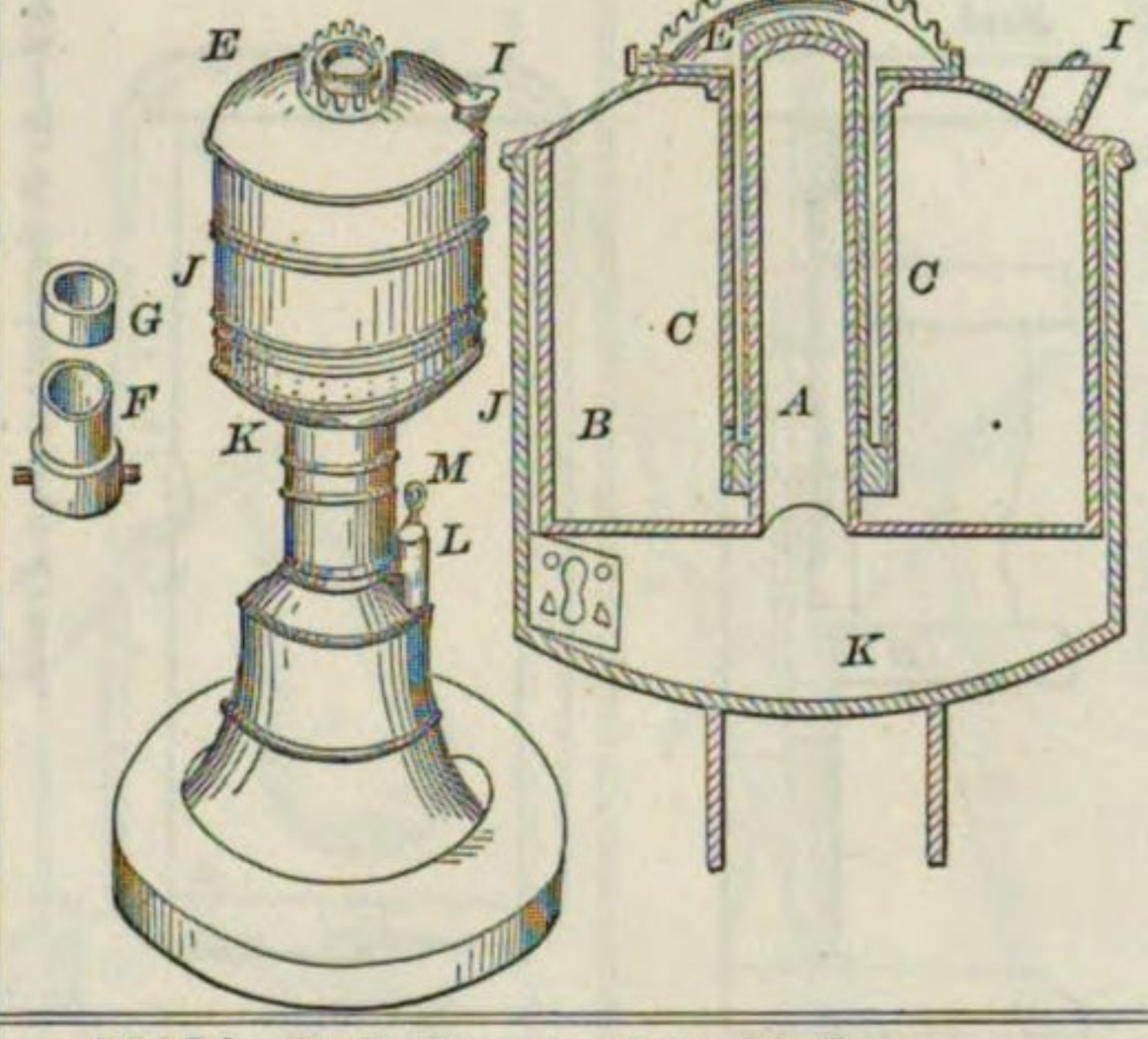
55530—J. K. Park—*Fruit Basket.*



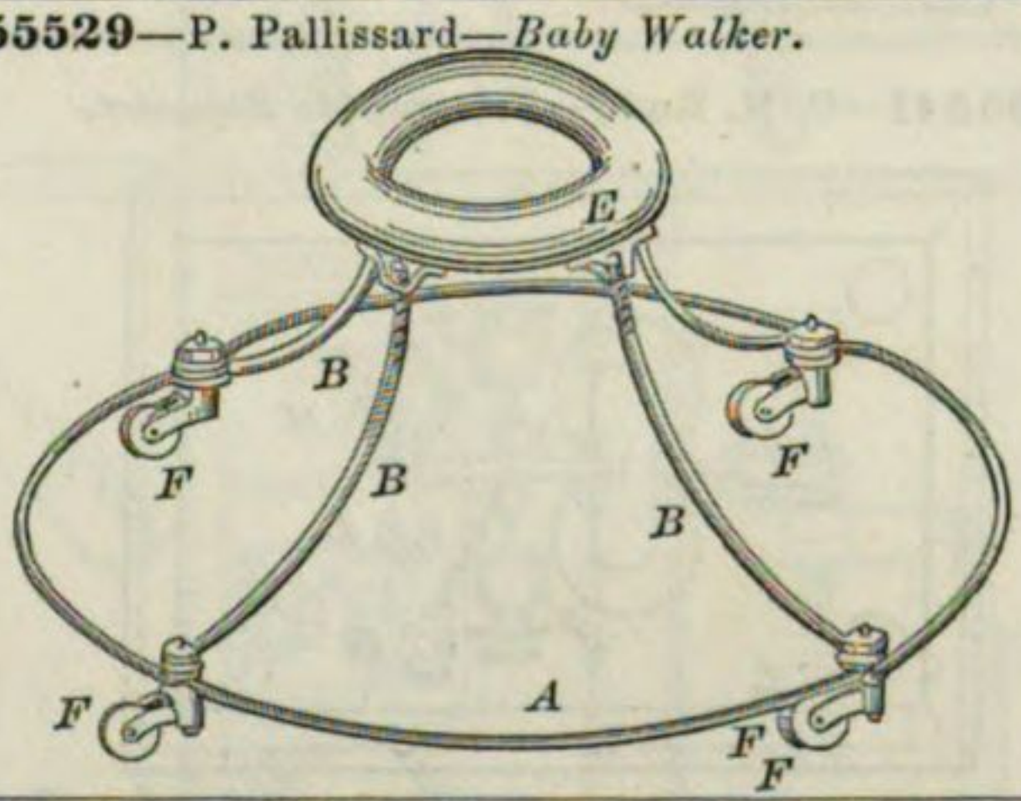
55532—C. F. Pike—*For Cooling Oil, &c.*



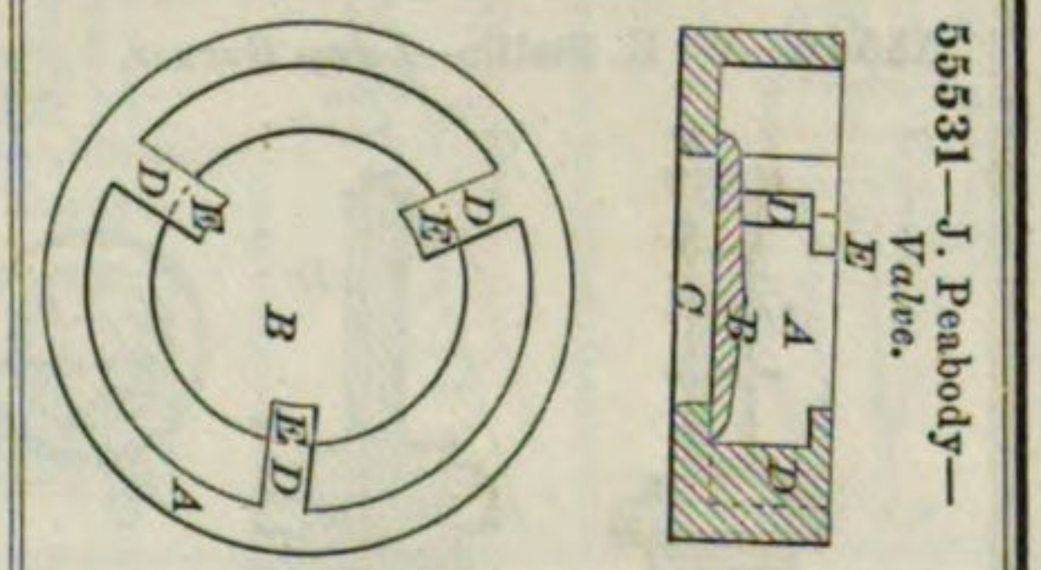
55535—C. F. Rees—*Lard Lamp.*



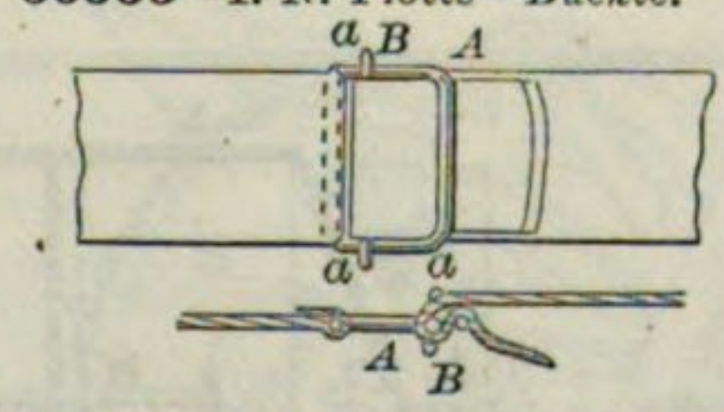
55529—P. Pallissard—*Baby Walker.*



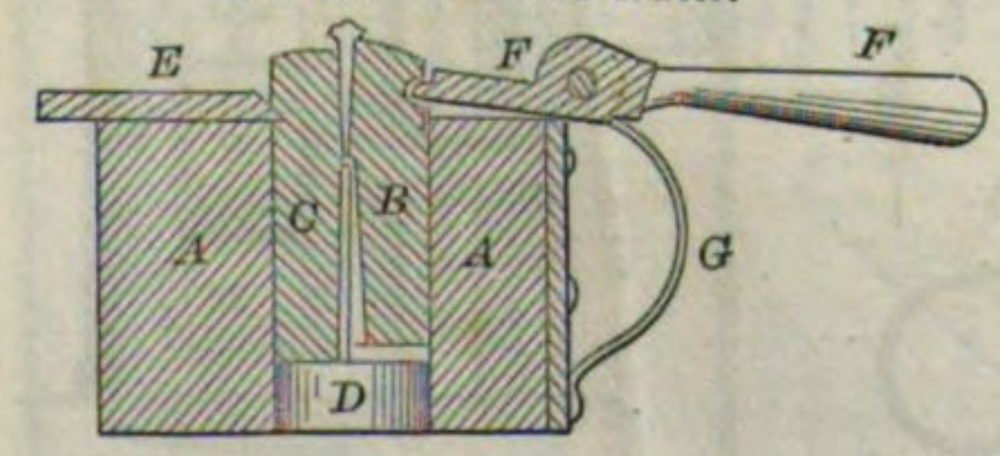
55531—J. Peabody—*Valve.*



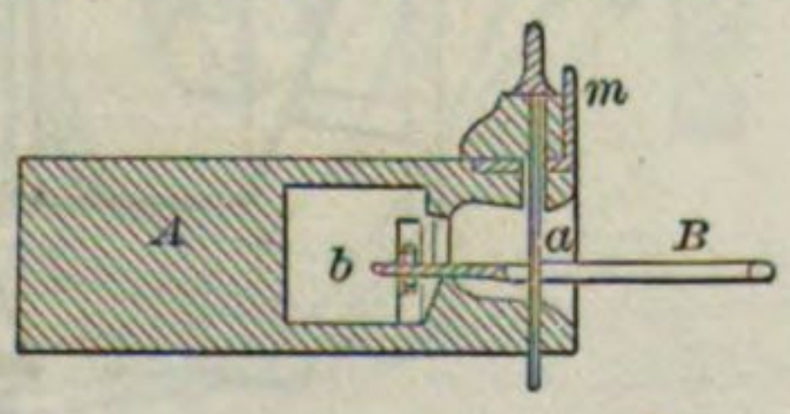
55533—I. N. Plotts—*Buckle.*



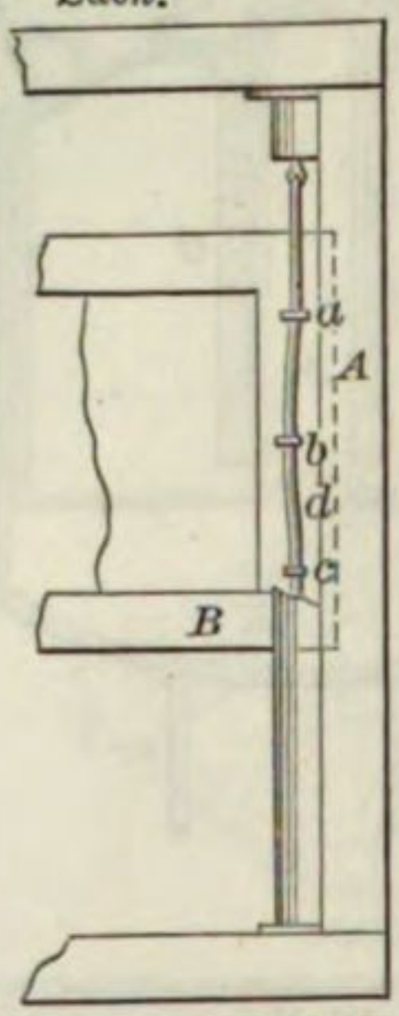
55536—Reynolds & Hilbright—*For Forming Heads on Harness Nails.*



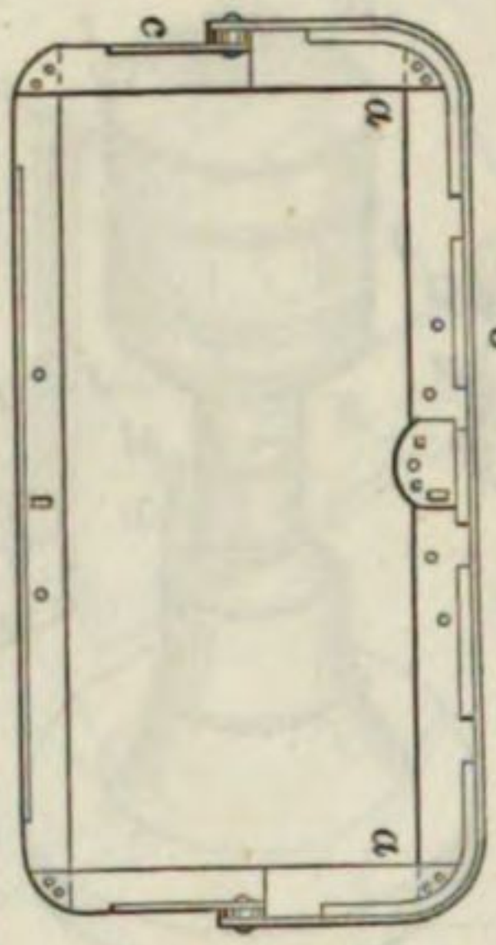
55537—N. Robbins, Jr.—*Car Coupling.*



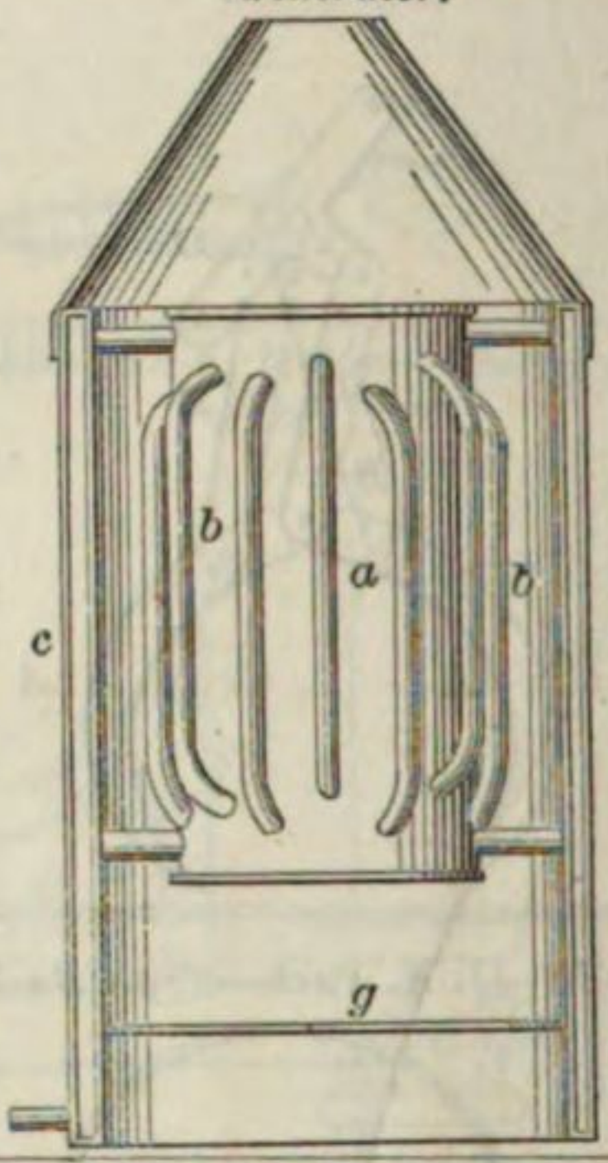
55538—A Roehrig—*Hanging Window Sash.*



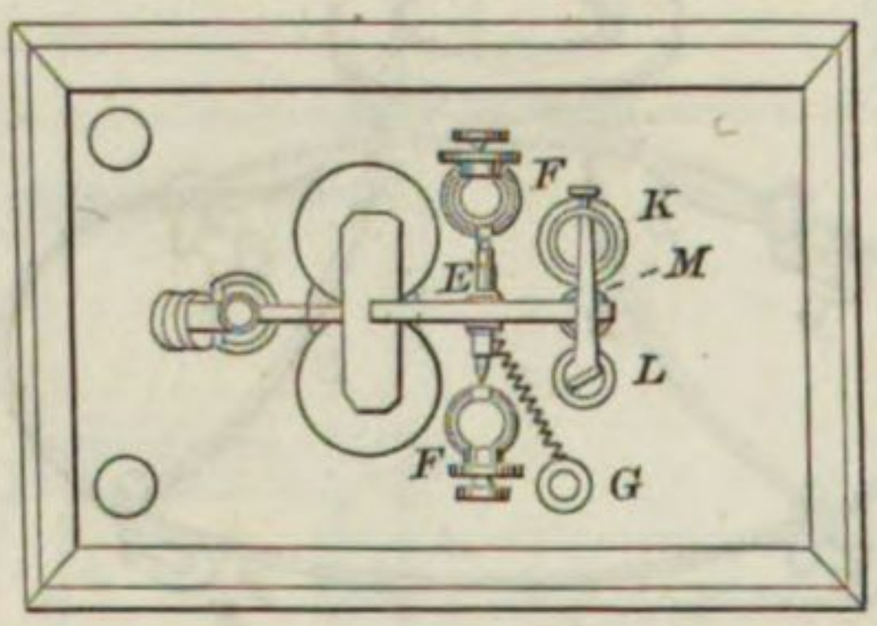
55543—A. J. Sessions—*Bag Frame.*



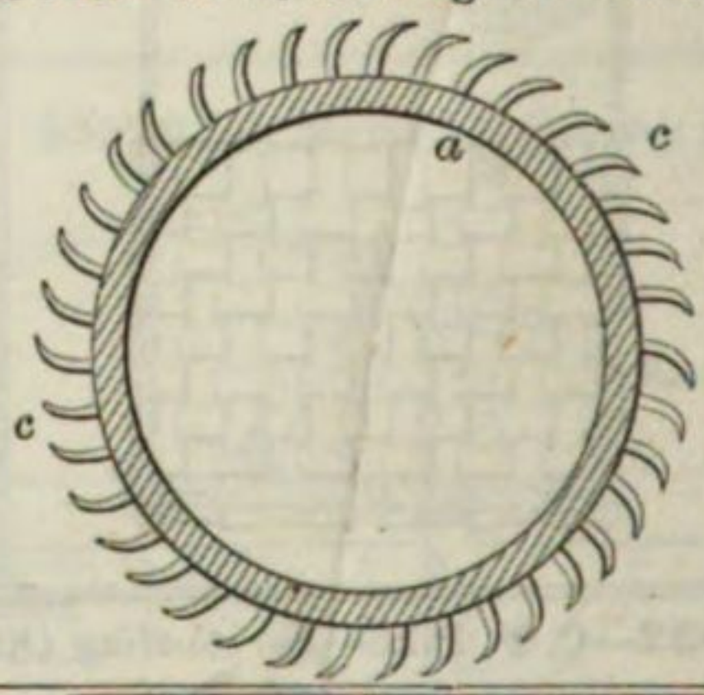
55539—Rogers & Black—*Steam Generator.*



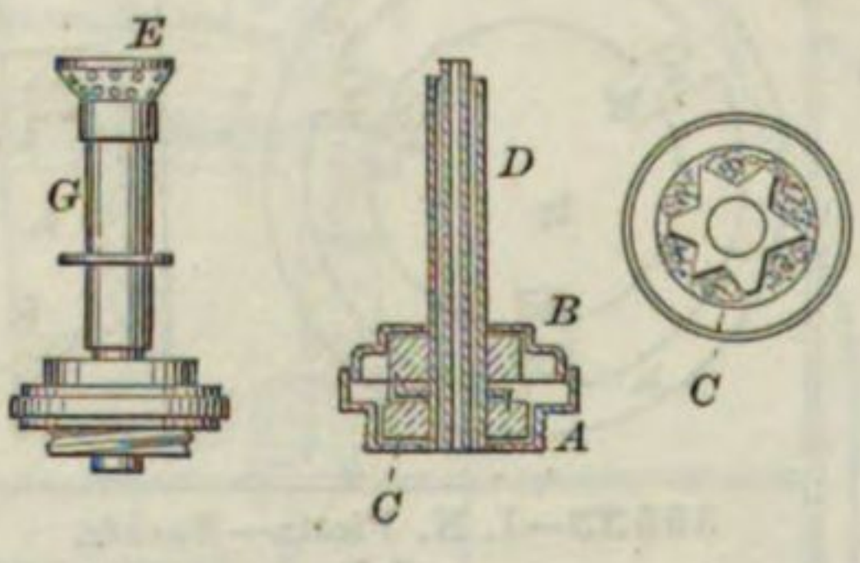
55541—C. H. Rudd—*Telegraphic Repeater.*



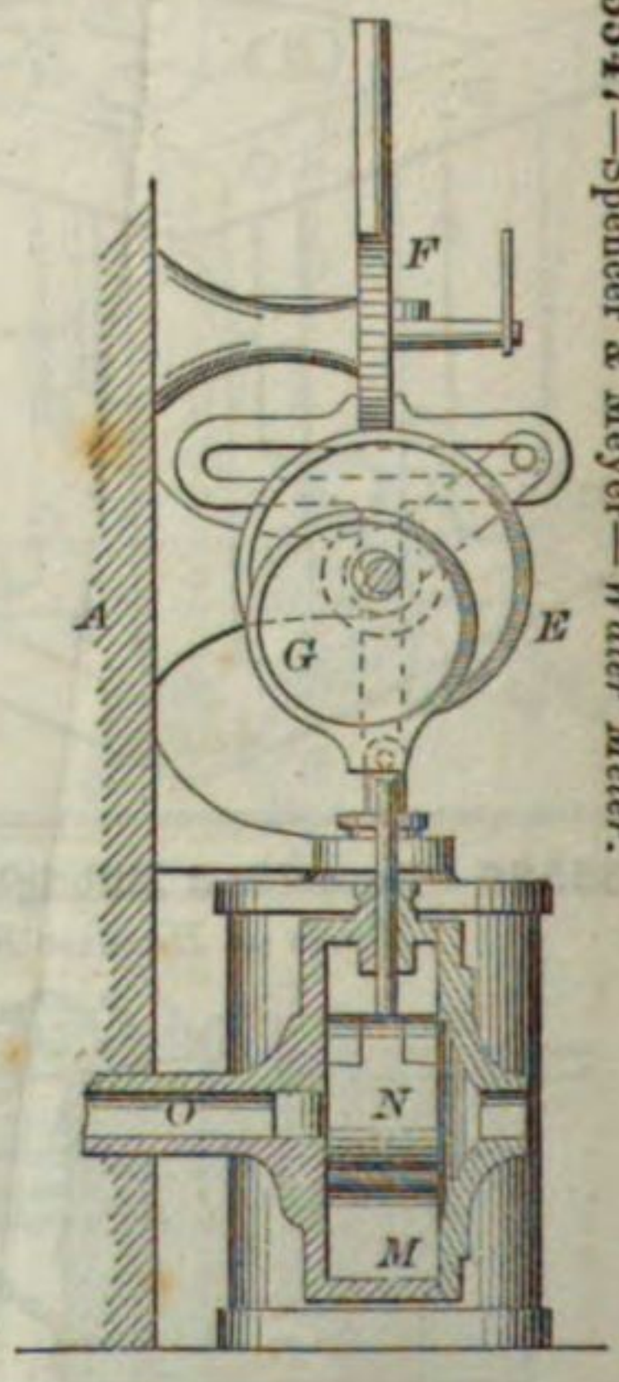
55542—H. V. Scattergood—*Cotton Gin.*



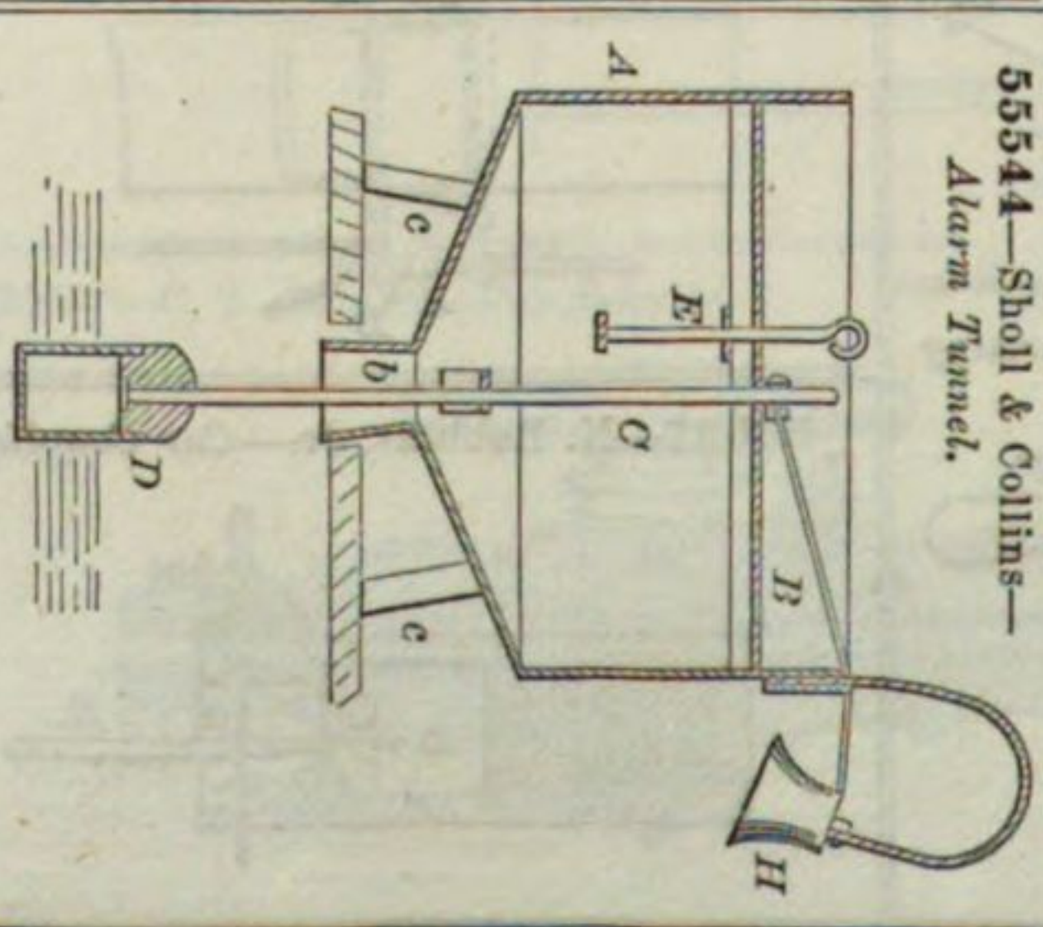
55546—W. H. Smith—*Lamp Burner.*



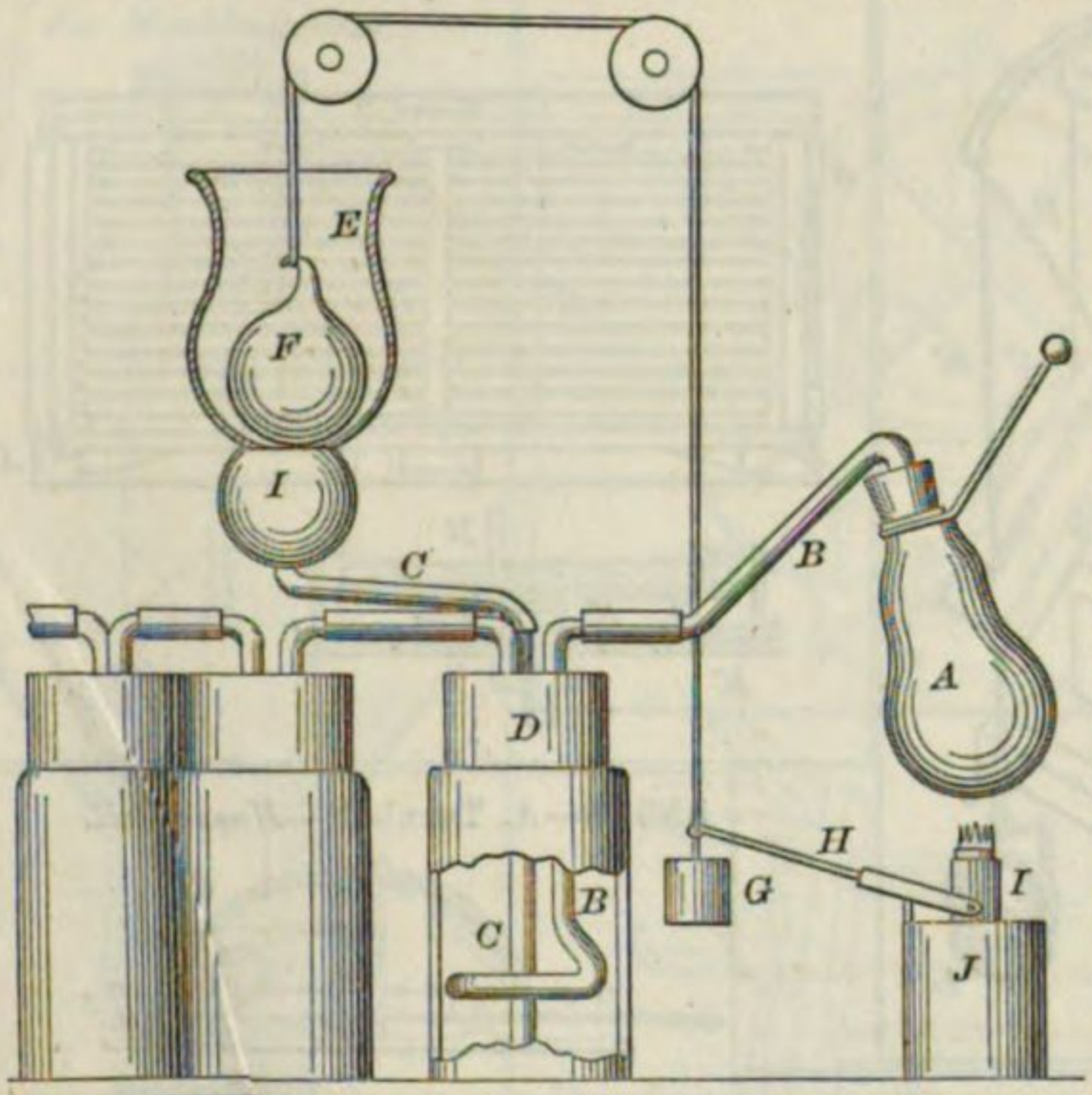
55547—Spencer & Meyer—*Water Meter.*



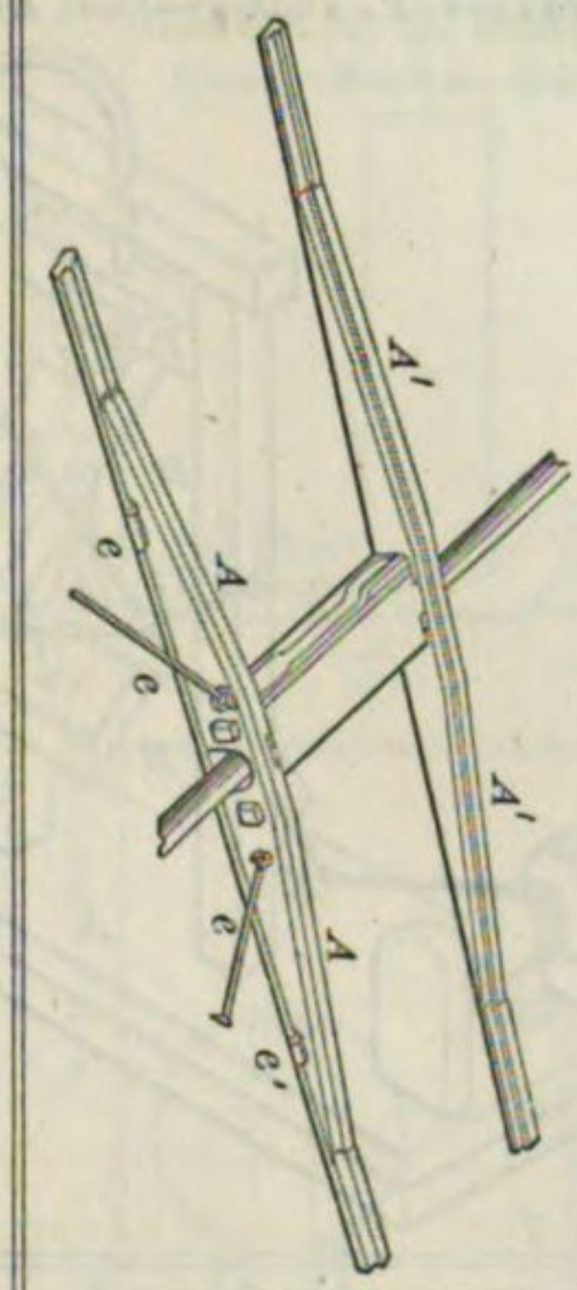
55544—Sholl & Collins—*Alarm Tunnel.*



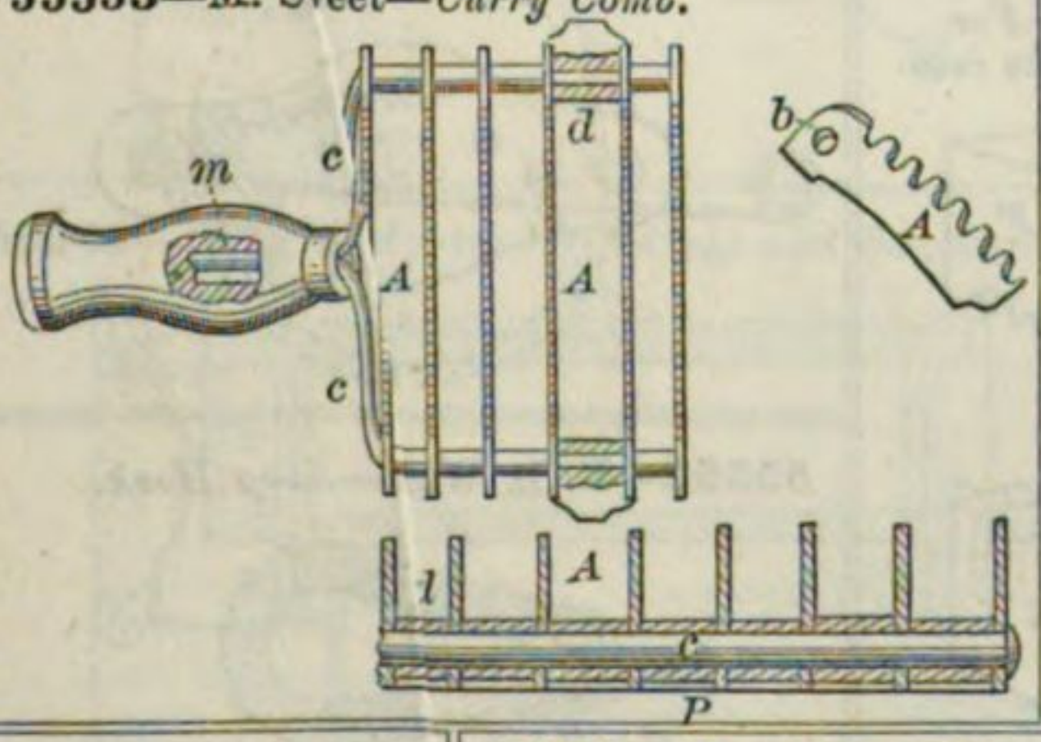
55548—A. W. Sprague—*Generating Gas for Inhalation.*



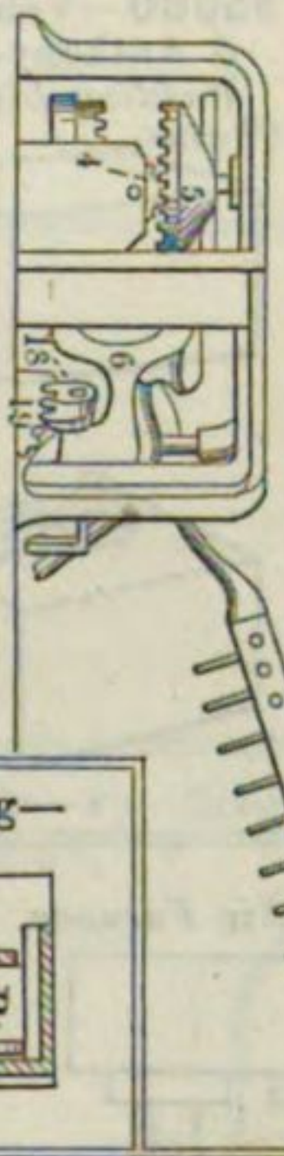
55550—I. H. Stone—*Hose Protector.*



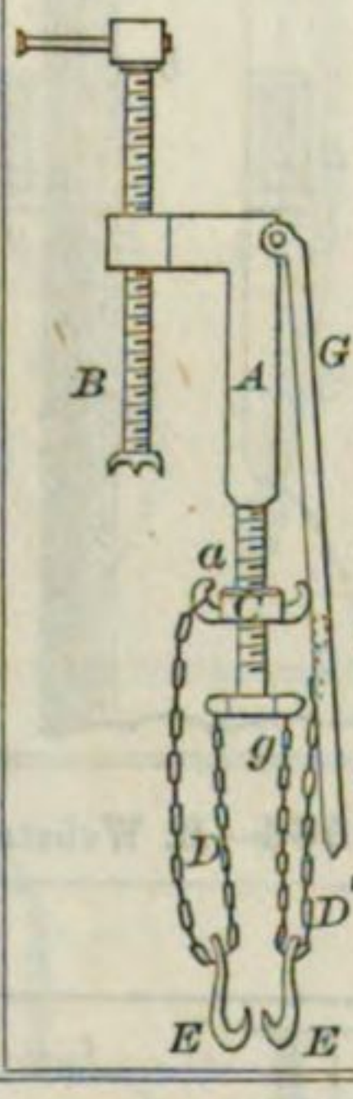
55553—M. Sweet—*Curry Comb.*



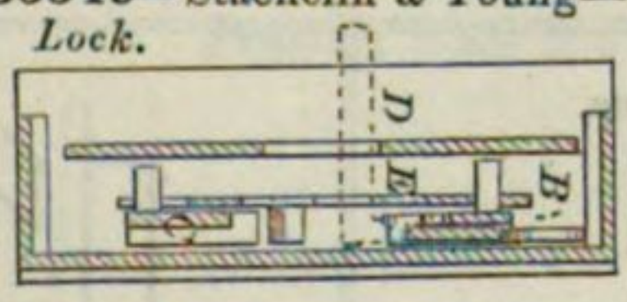
55551—O. O. Storle—*Harvester Rake.*



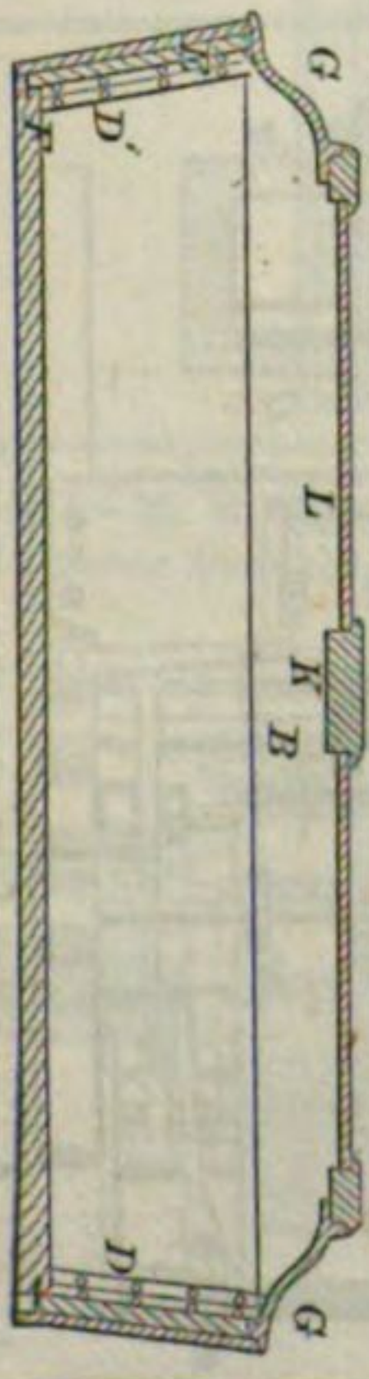
55554—J. C. Thomas—*Planking Clamp.*



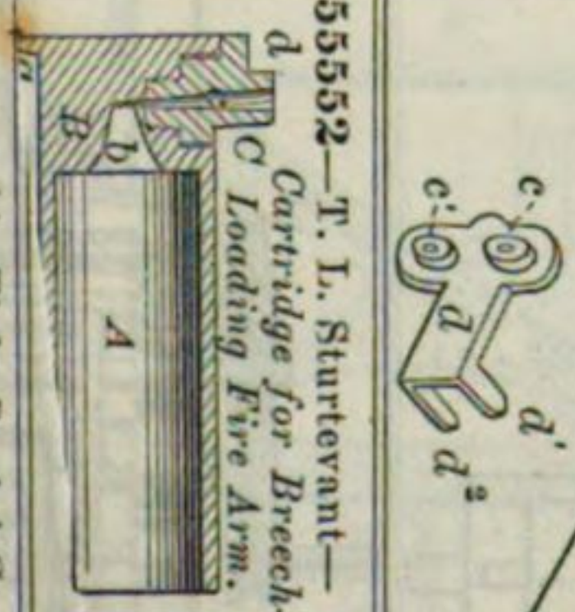
55549—Stachelin & Young—*Lock.*



55555—C. Timmerman—*Air Tight Burial Case.*

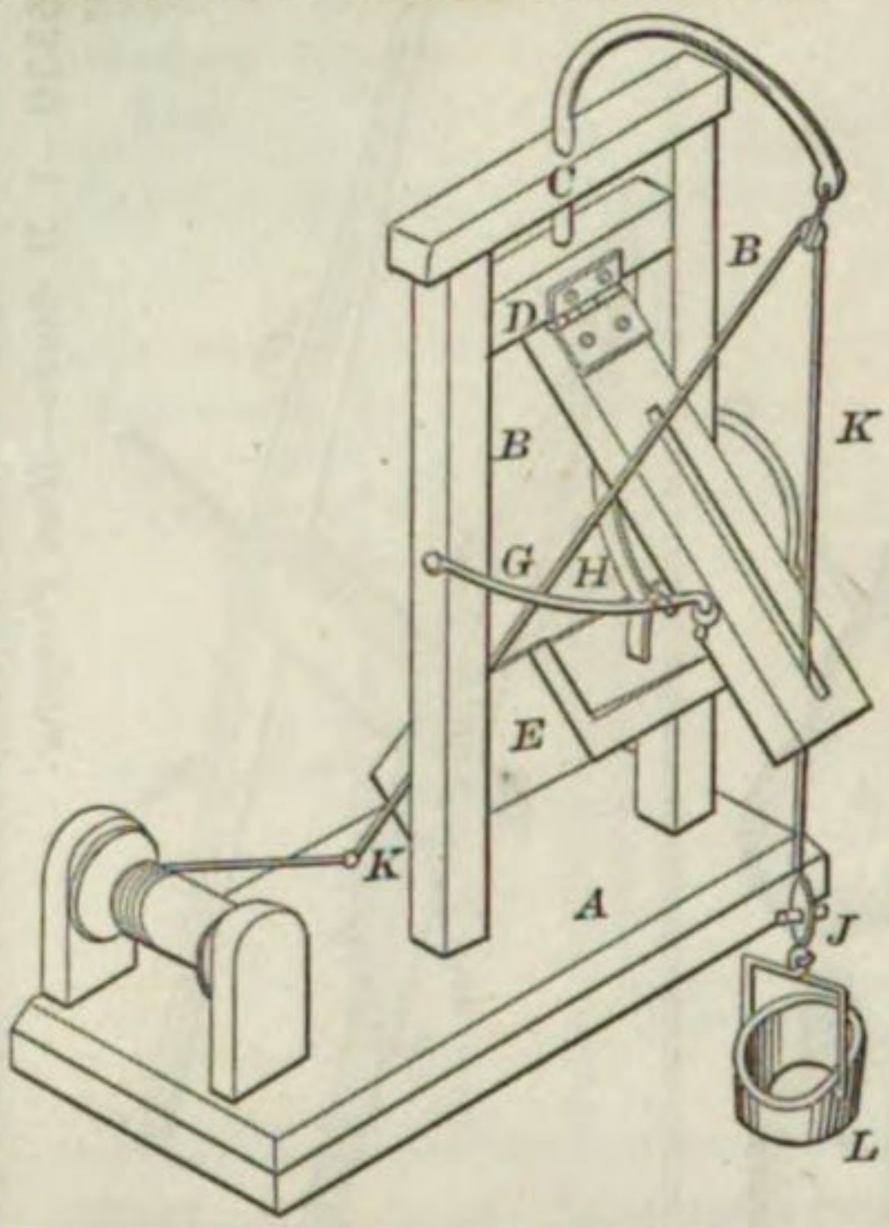


55552—T. L. Sturtevant—*Cartridge for Breech-Loading Fire Arm.*

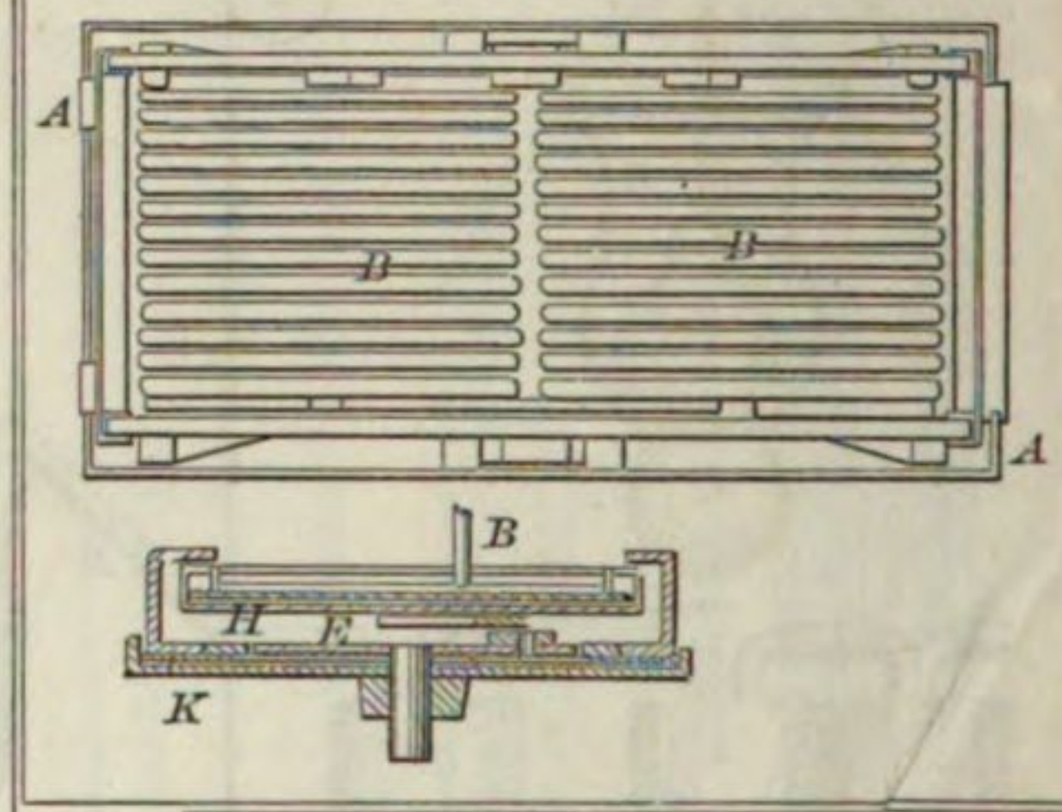


55556—F. Traxler—*Dog Churn.*

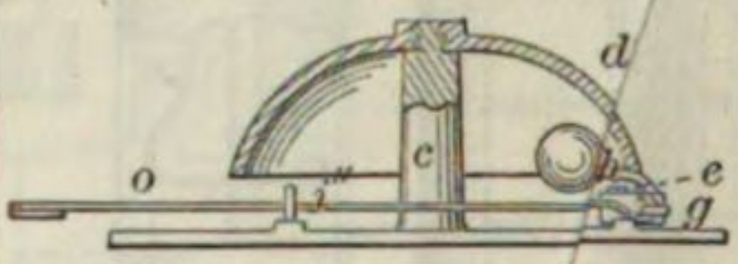
55557—J. P. Tucker—*Coal Elevator.*

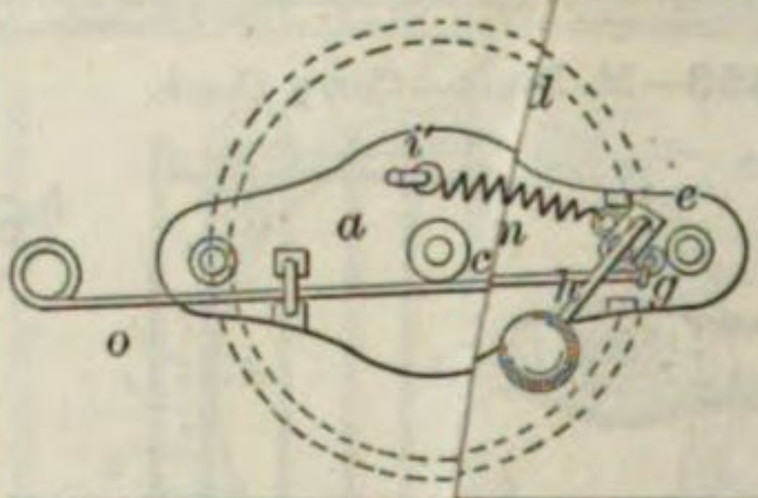


55561—W. Walker—*Picture Holder.*



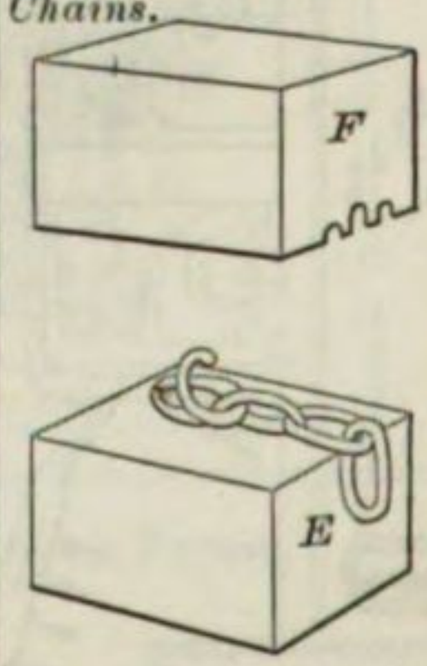
55558—A. Turnbull—*House Bell.*



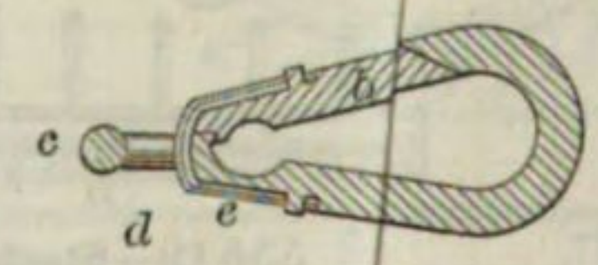


55559—J. B. Van Deusen—*Steering Apparatus.*

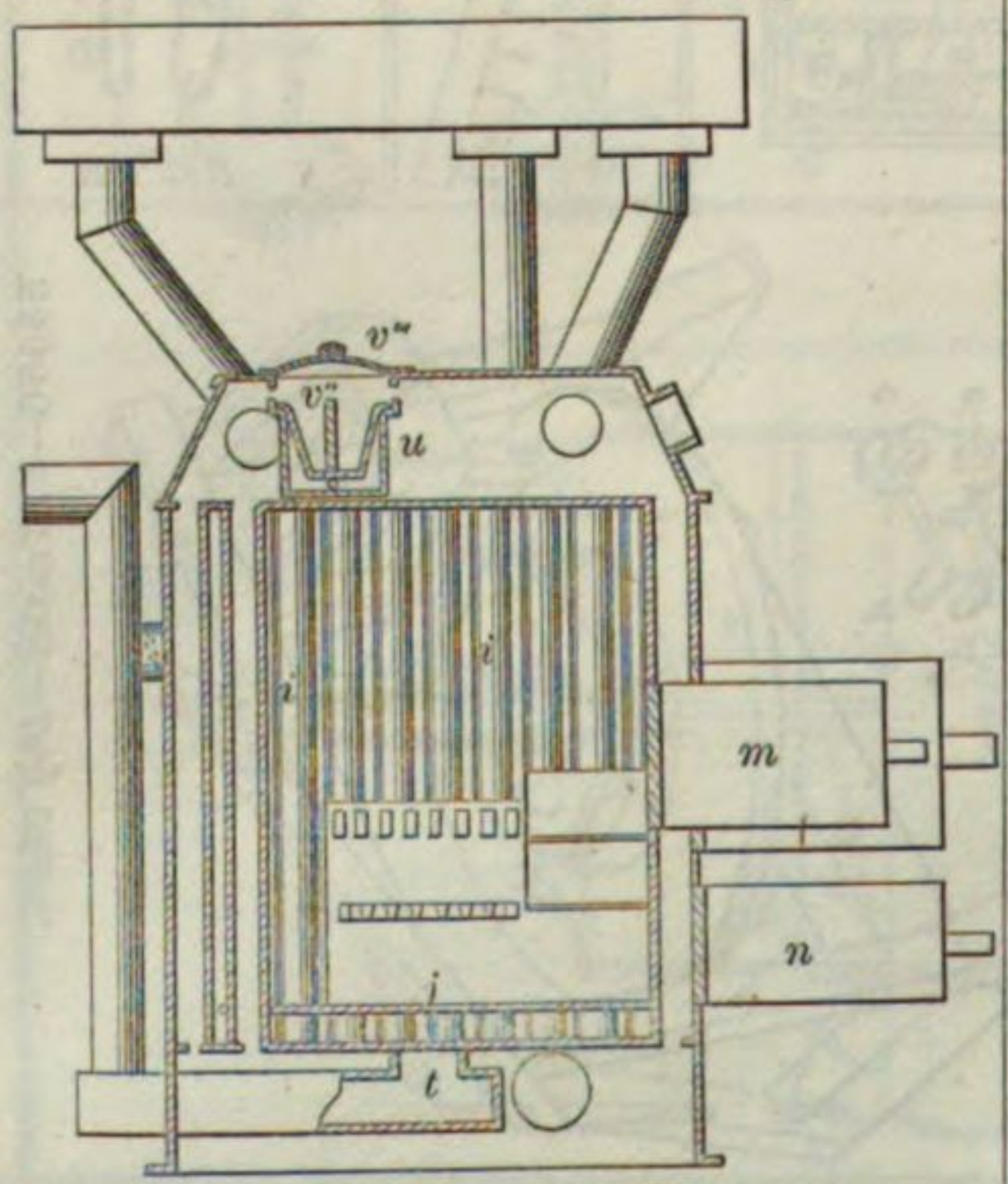
55560—Van Patten & Anthony—*For Welding Links into Chains.*



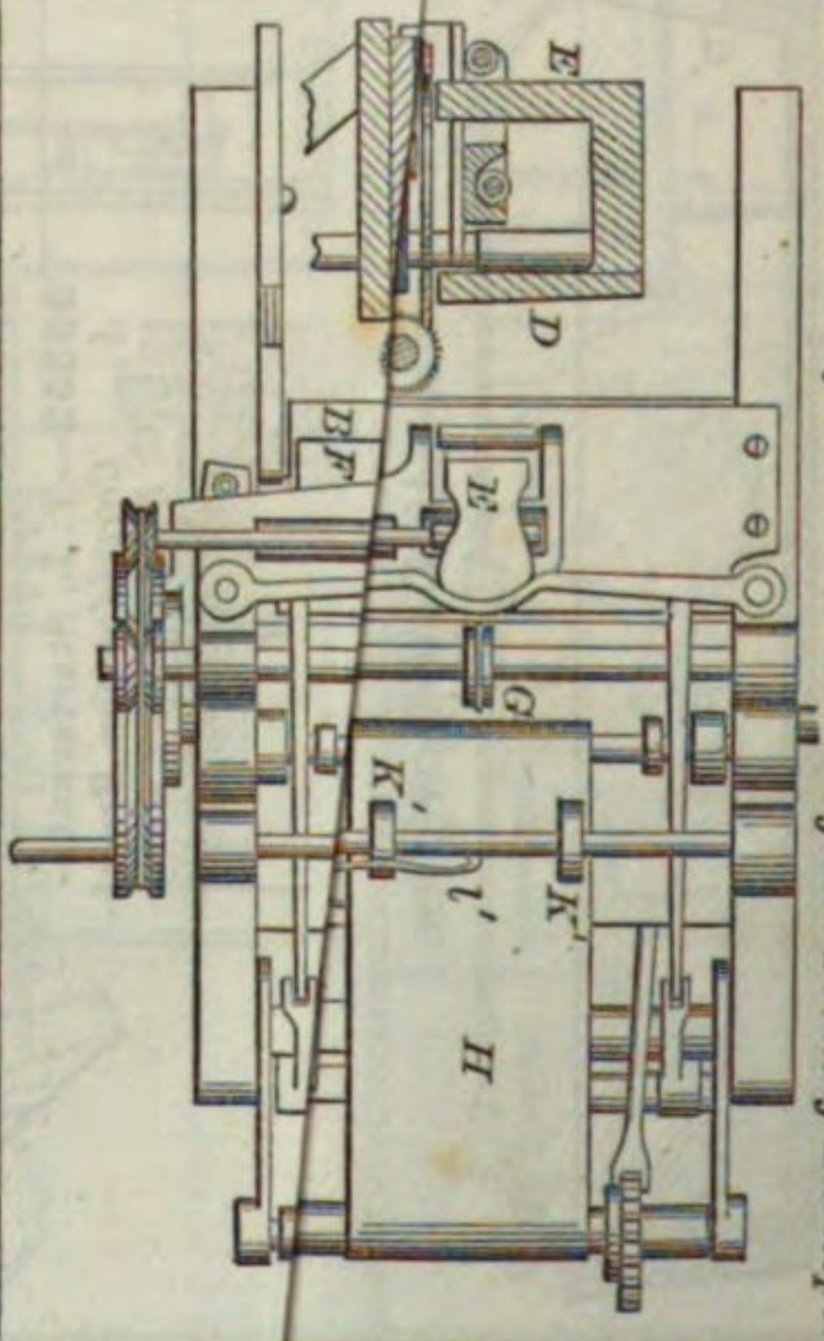
55563—R. L. Web—*Snap Hook.*



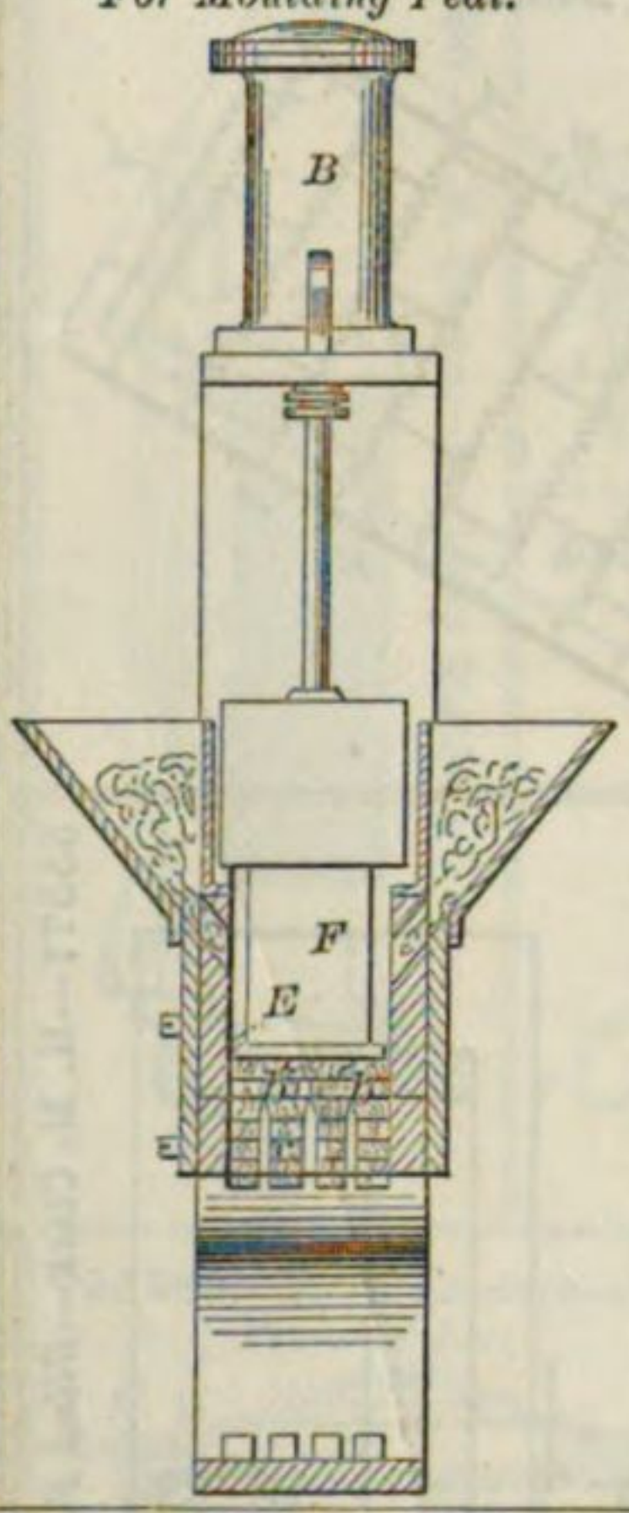
55564—E. Webster—*Hot Air Furnace.*



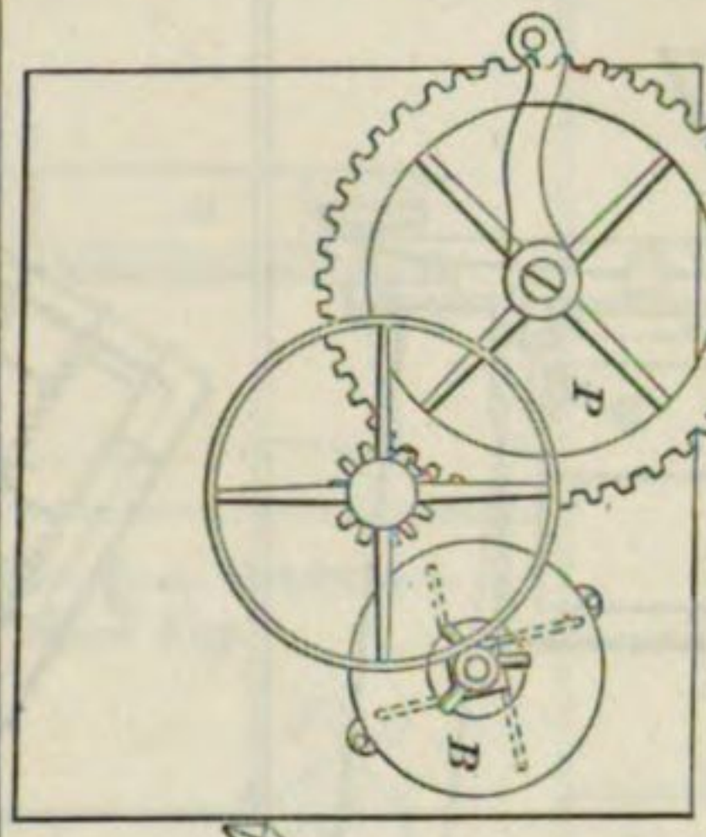
55562—T. V. Waymouth—*For Gumming and Printing Envelopes.*

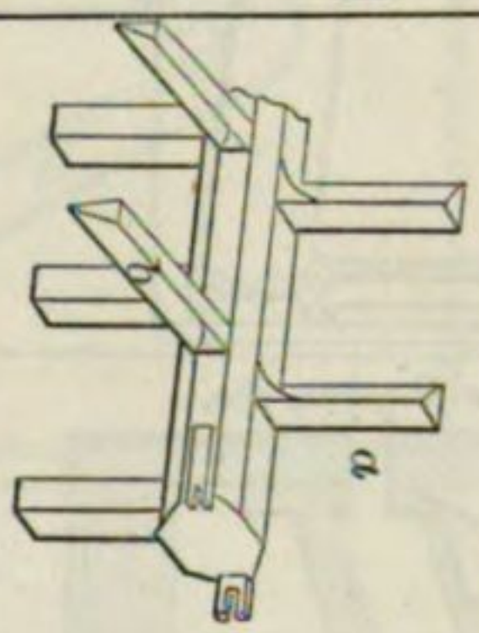


55565—E. Weissenberg—
For Moulding Peat.

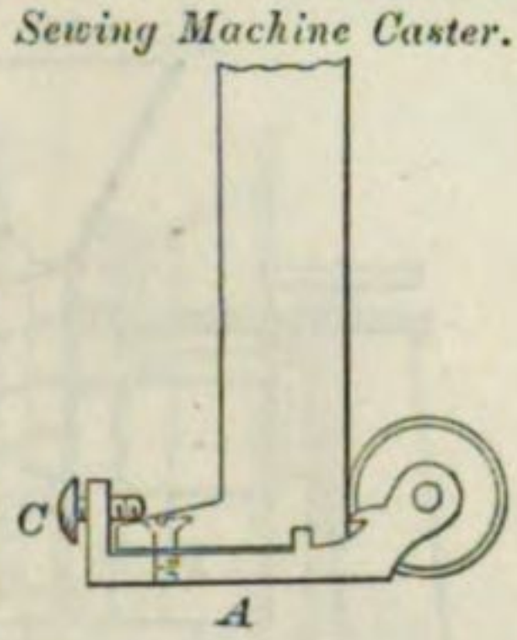


55566—A. Westcott—*Churn.*

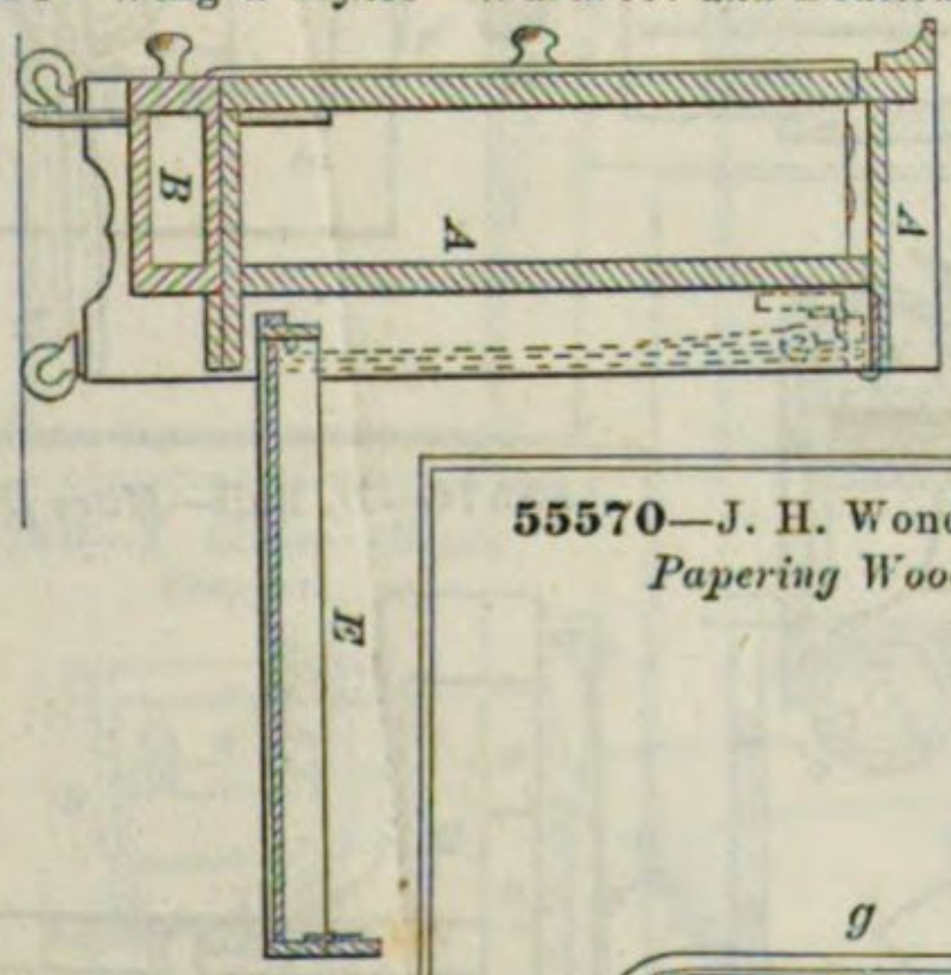




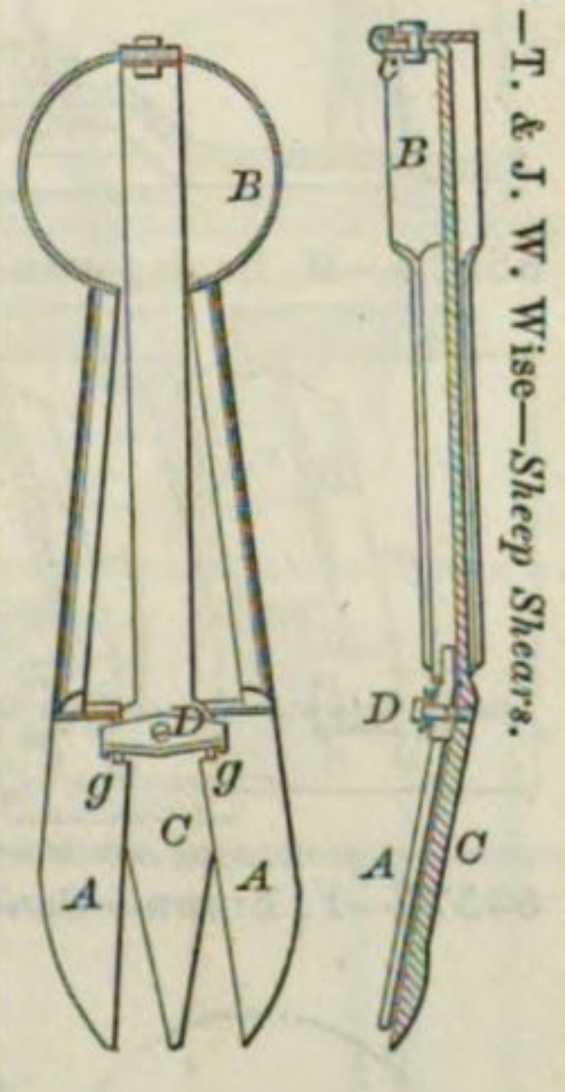
55567—J. N. Wilkins—
Sewing Machine Caster.



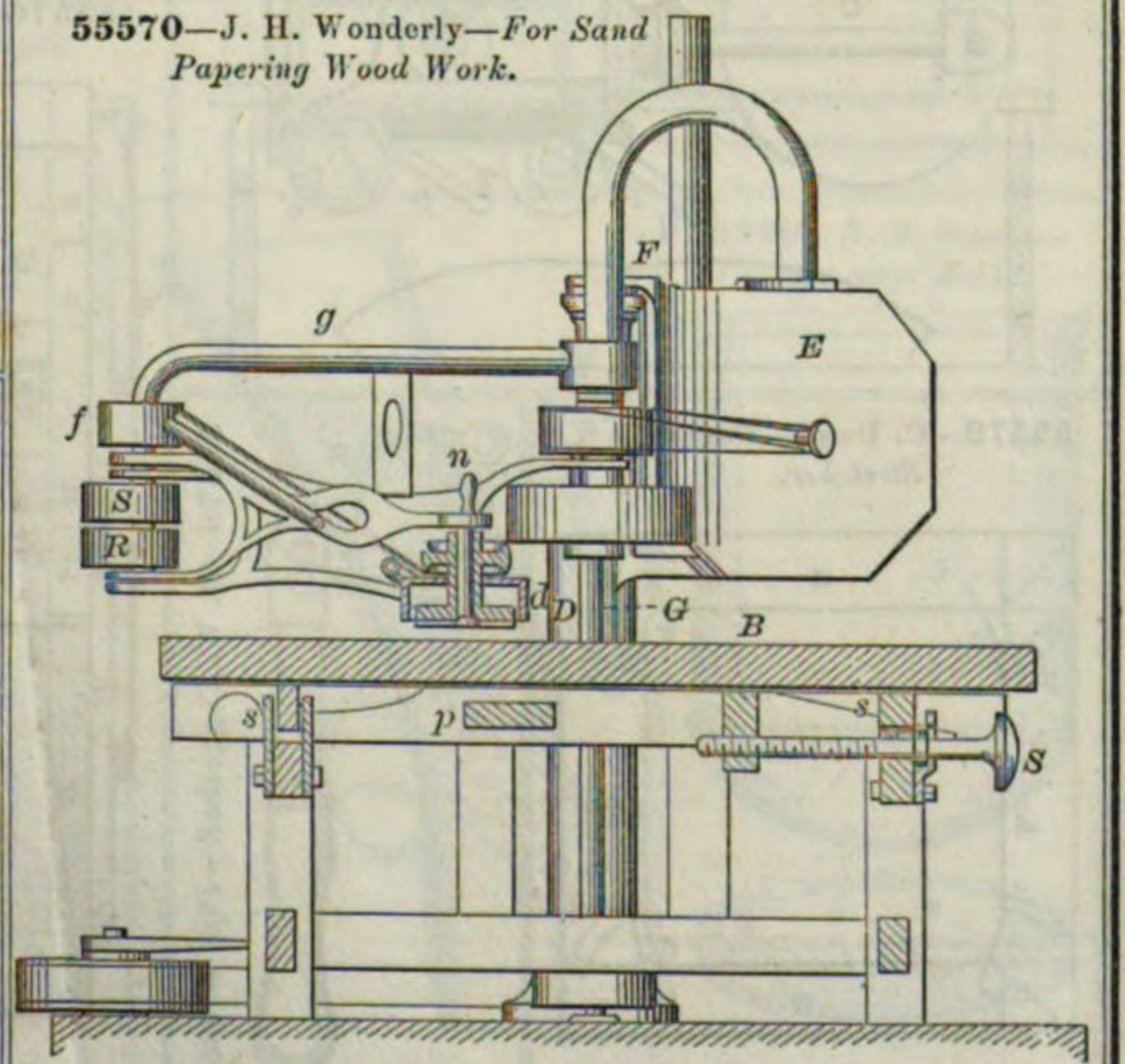
55568—Wing & Myers—*Wardrobe and Bedstead.*



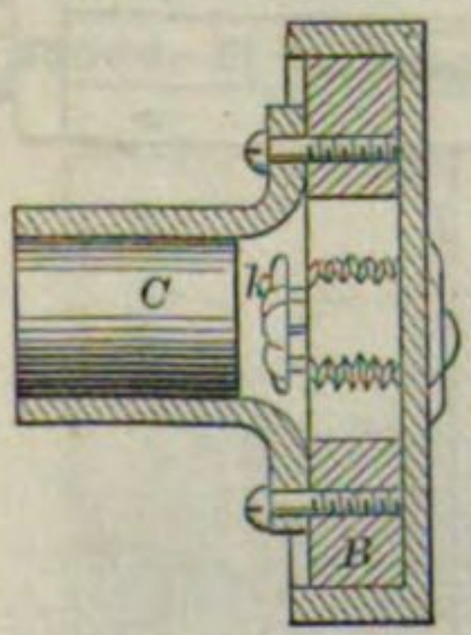
55569—T. & J. W. Wise—*Sheep Shears.*



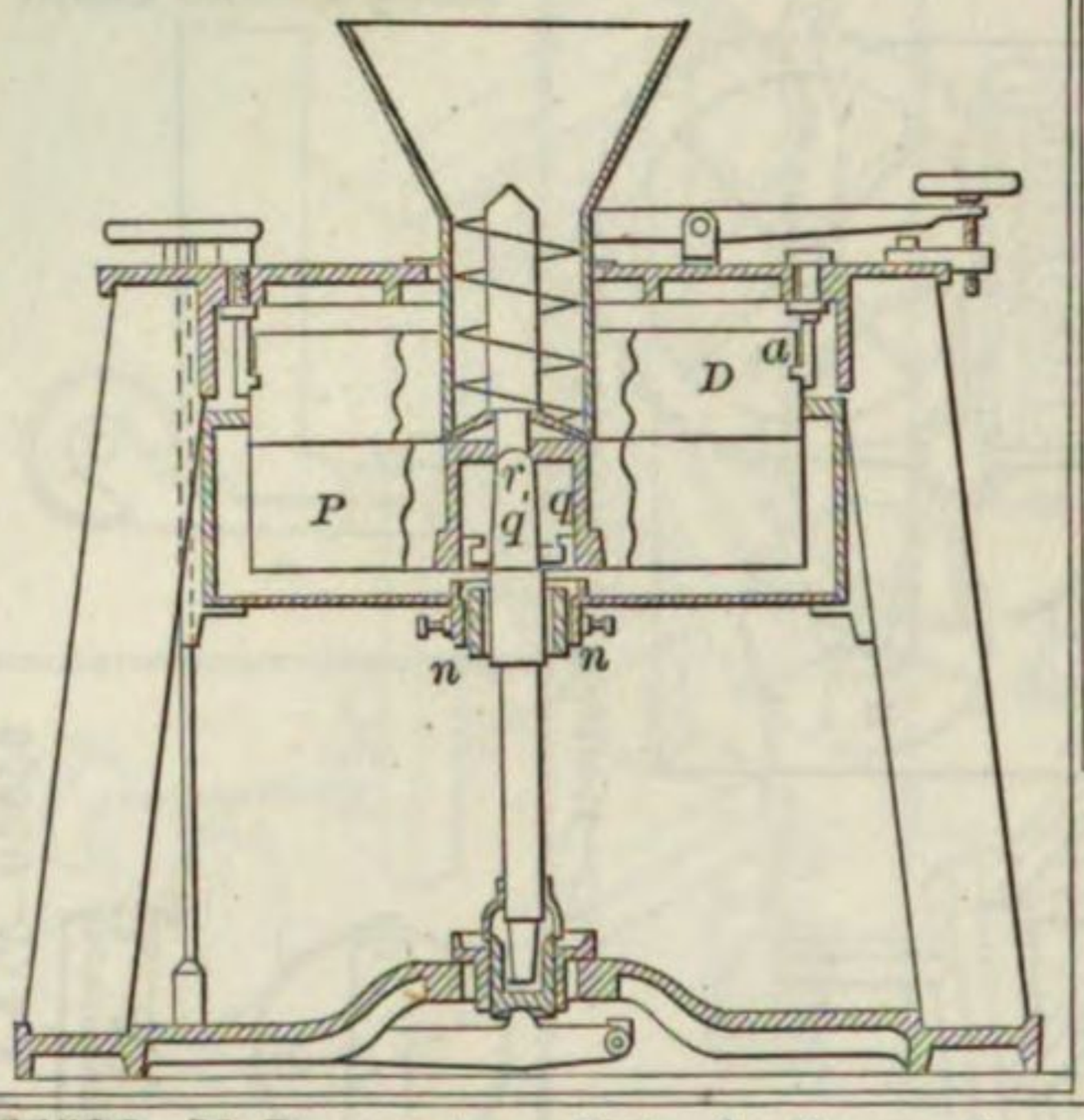
55570—J. H. Wonderly—*For Sand Papering Wood Work.*



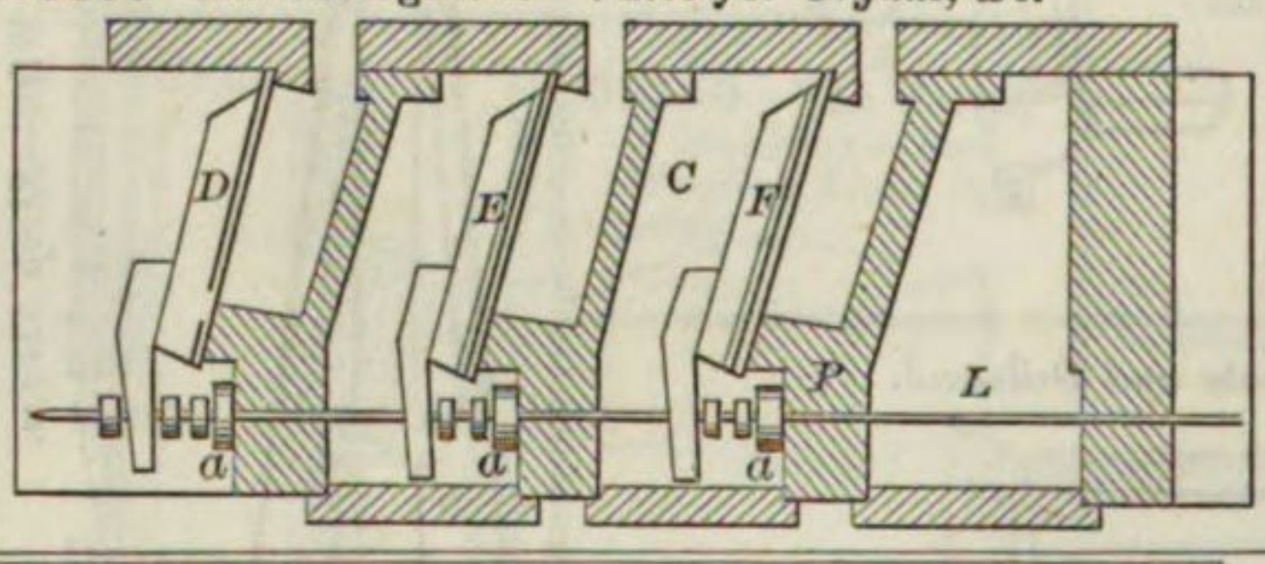
55571—M. M. Young—
Screw Cutter.



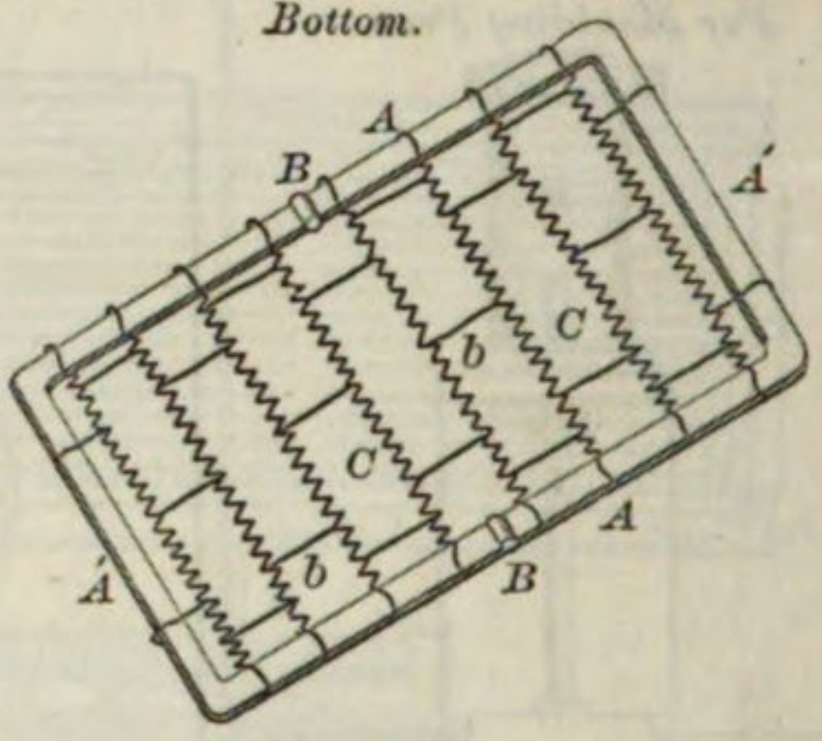
55572—G. P. Zindgraf—*Paint Mill.*



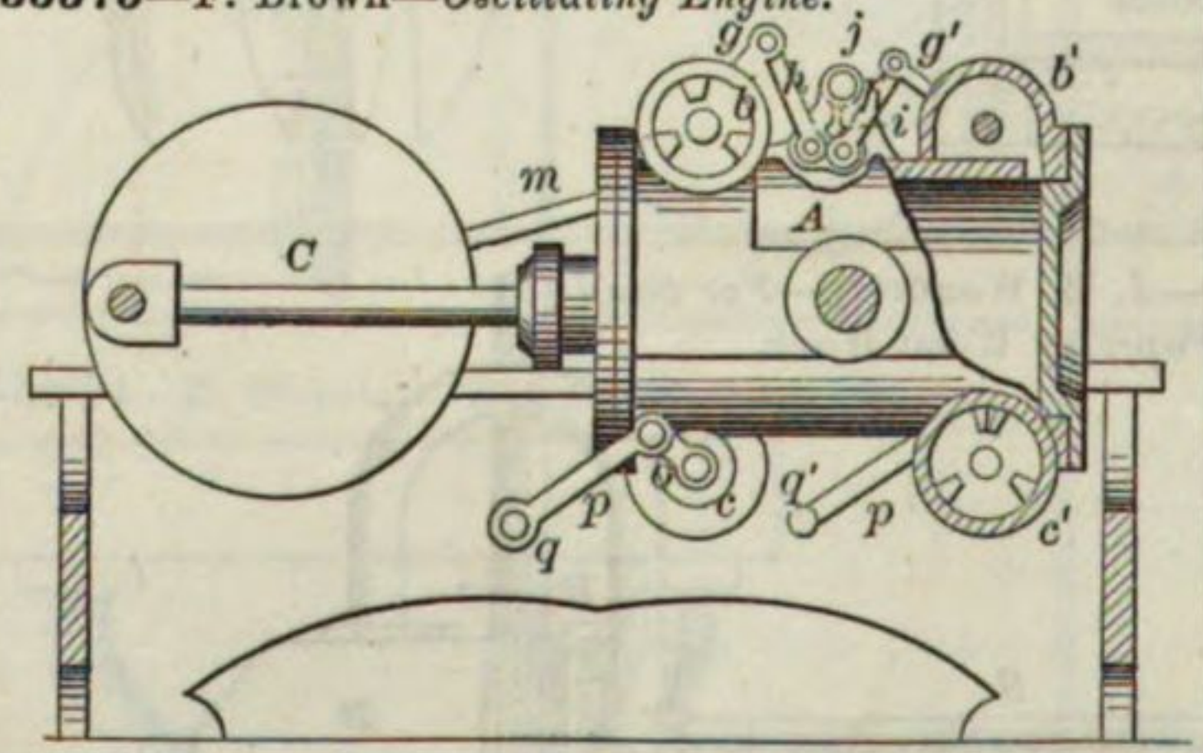
55573—M. Baumgarten—*Valve for Organs, &c.*



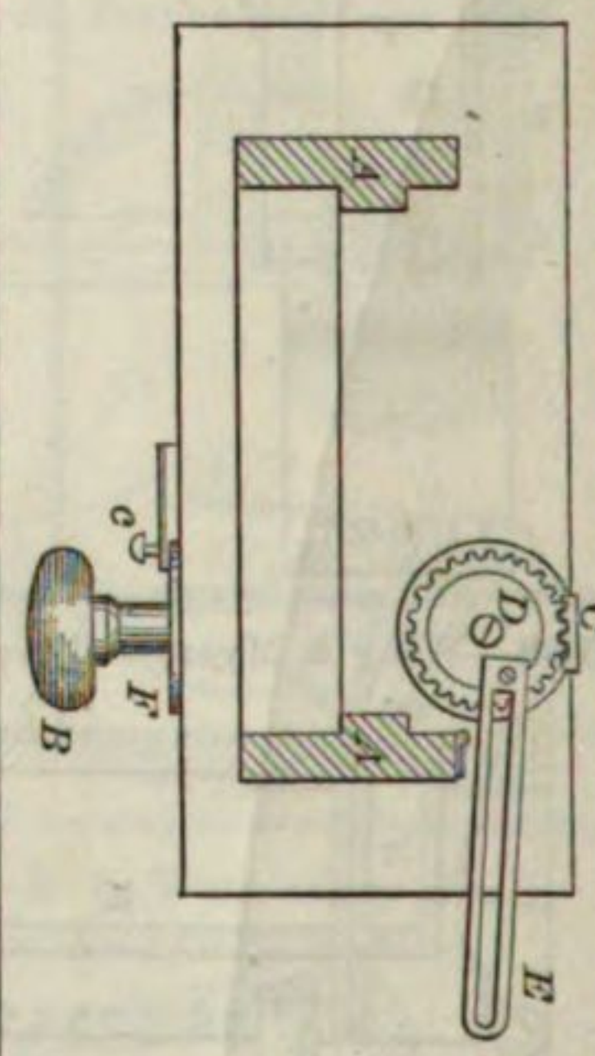
55574—C. B. Brlstol—*Spring Bed Bottom.*



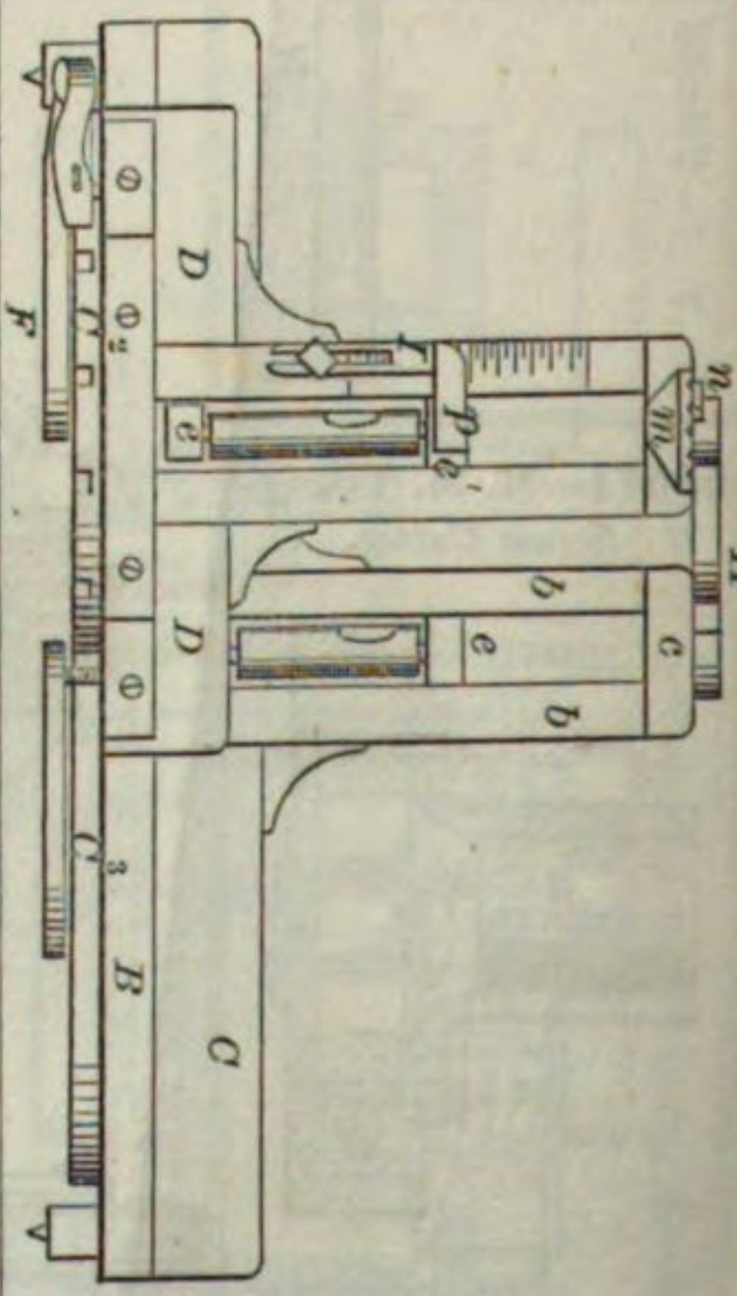
55575—F. Brown—*Oscillating Engine.*



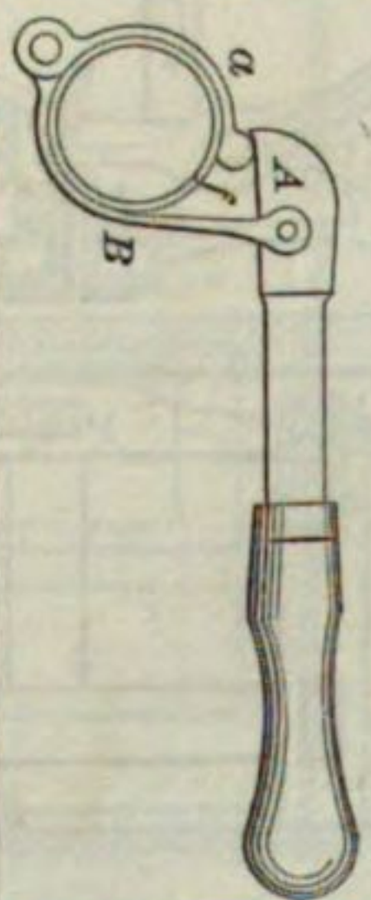
55577—H. M. Clark—*Blind Fastener.*



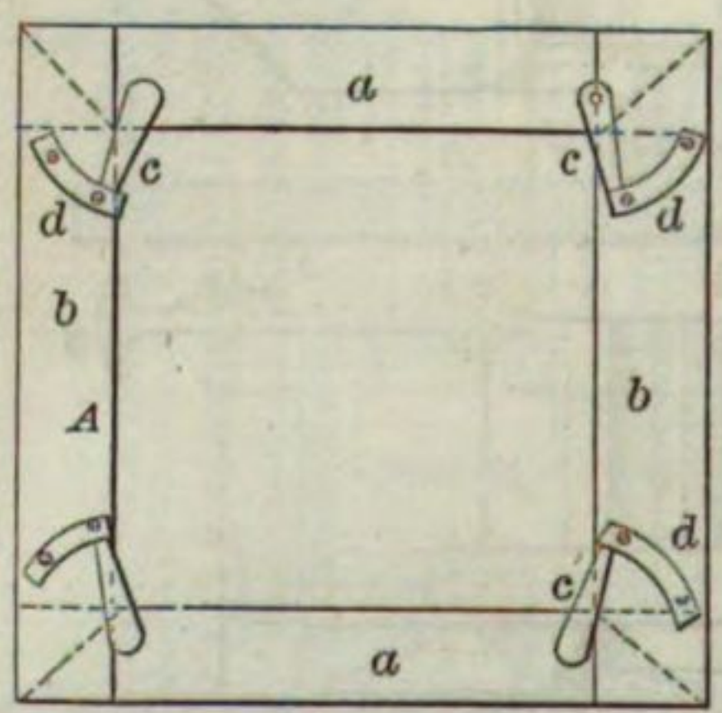
55576—D. Bull—*Mitre Box.*



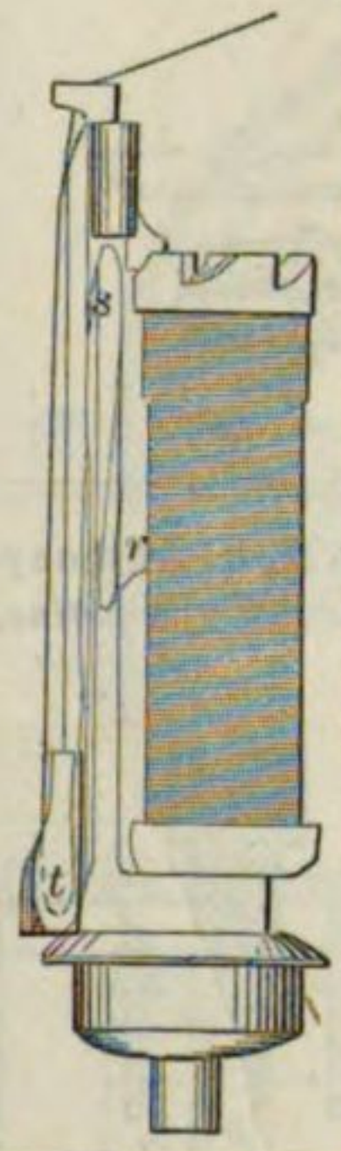
55578—D. W. Coggeshall—*Pipe Wrench.*



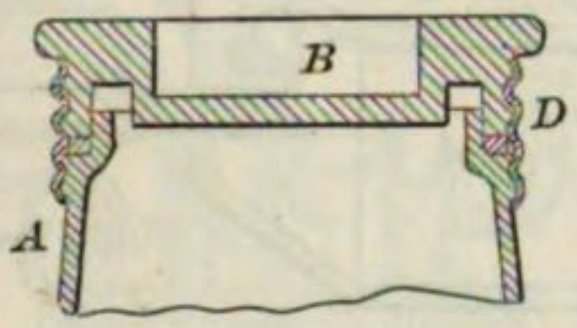
55579—C. Dowd—*Canvas Stretcher.*



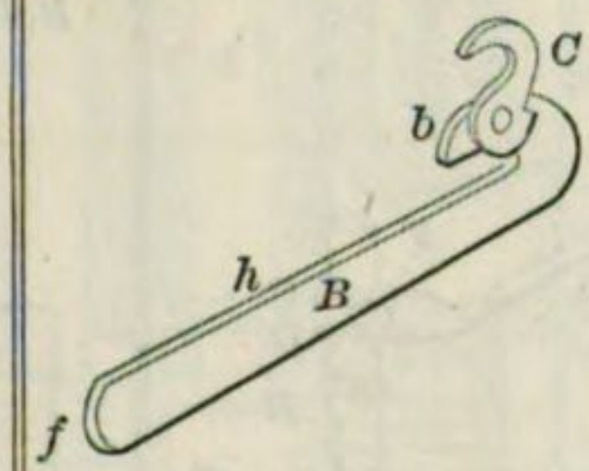
55580—O. E. Brown—*Braiding Machine.*



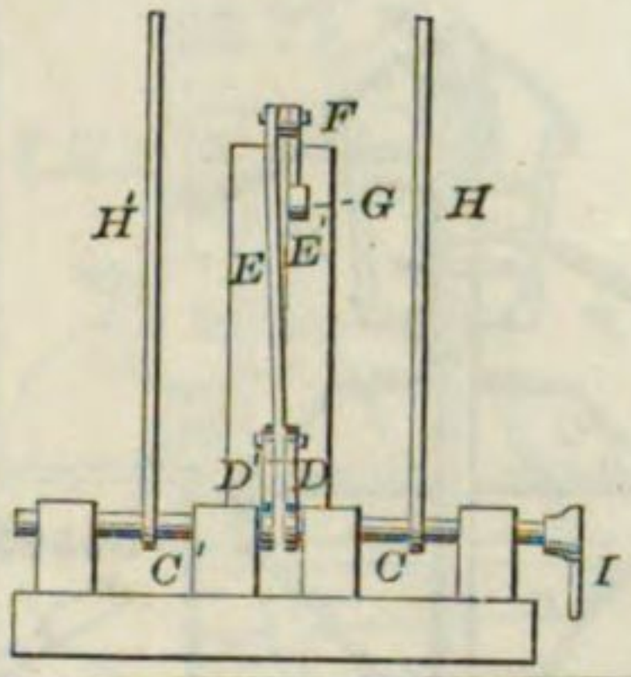
55581—J. Focer—*Fruit Jar.*



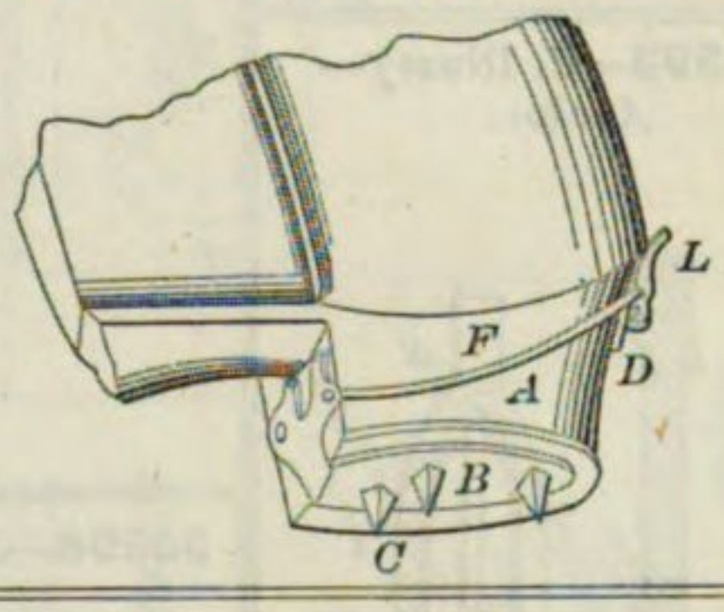
55582—P. A. Gladwin—*Lock Key.*



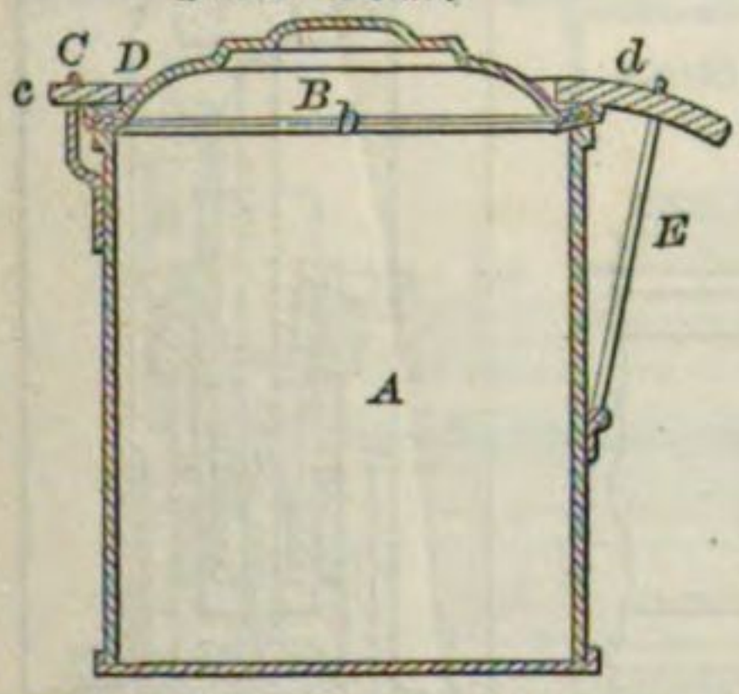
55583—Gregg & Green—*Brick Machine.*



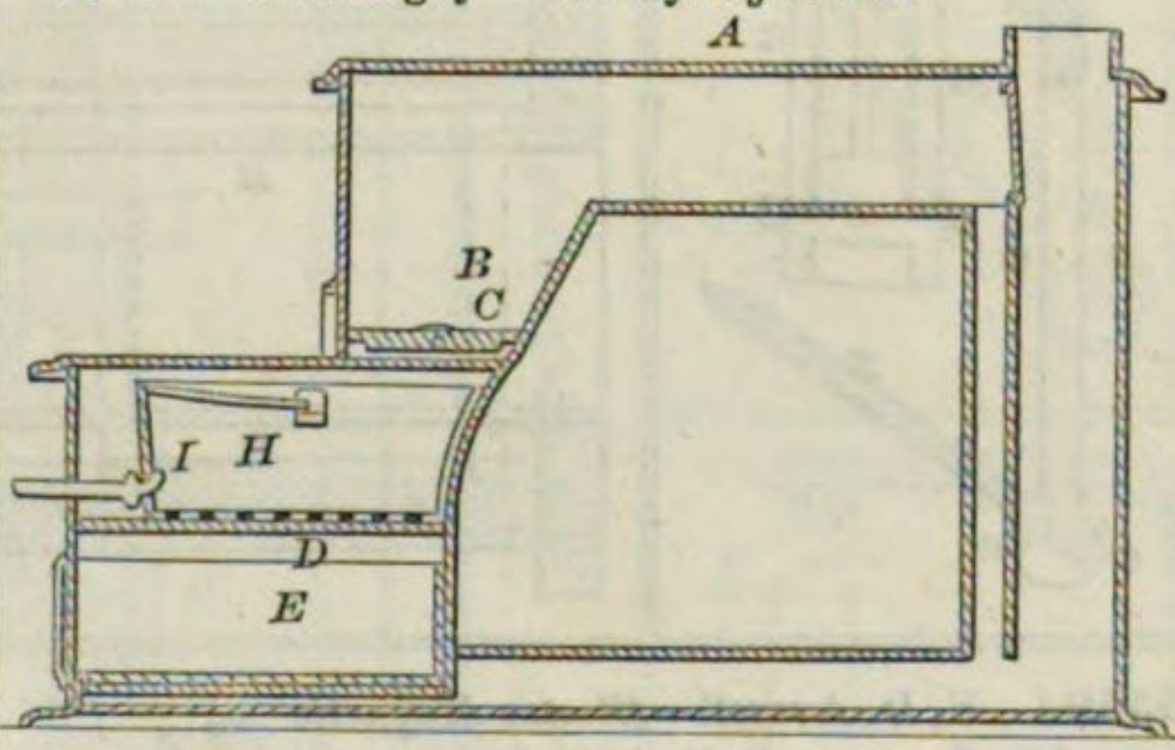
55584—A. S. Hadaway—*Ice Creeper.*



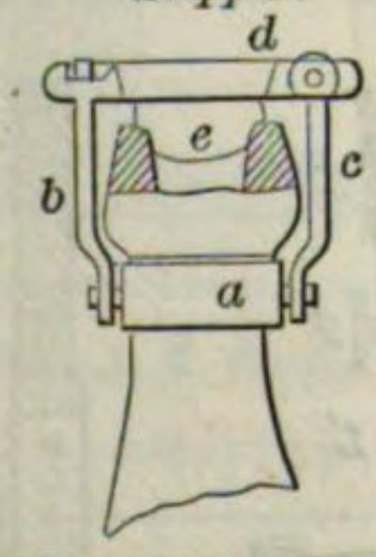
55585—F. H. Lauterbach—*Preserve Jar.*



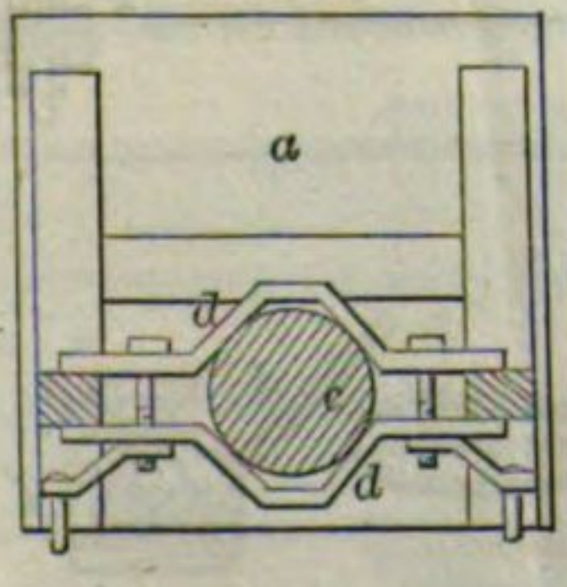
55587—E. Mingay—*Ash Sifting Device.*



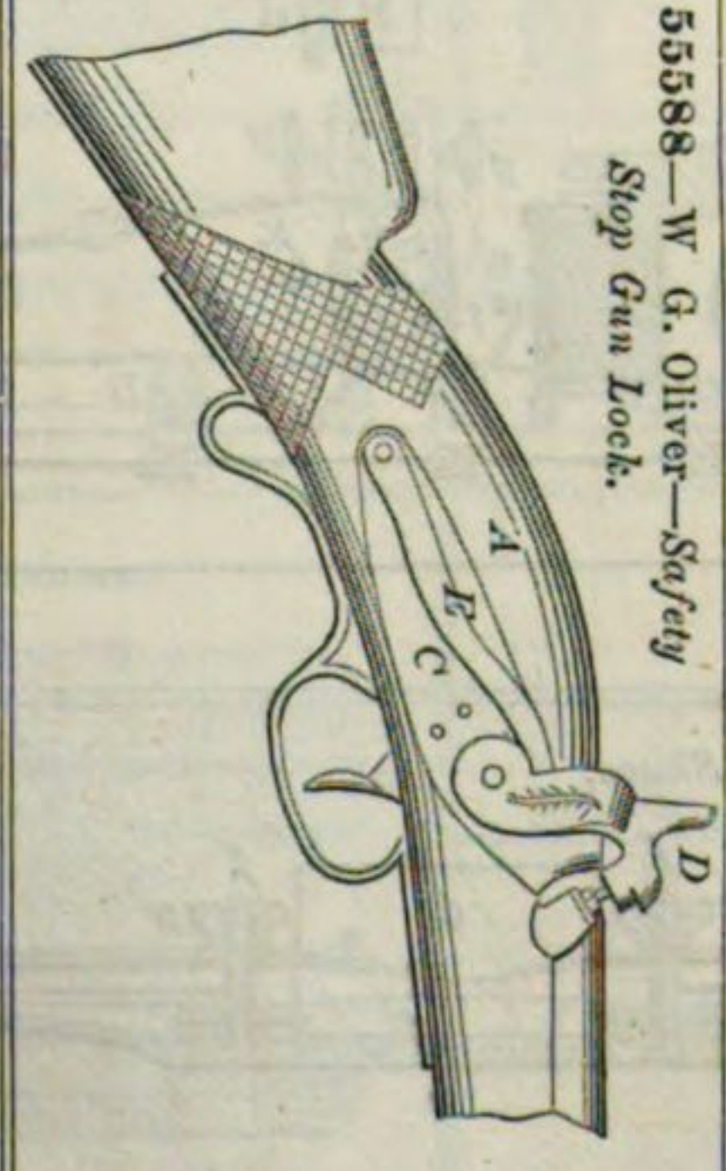
55589—T. Pimer—*Bottle Stopper.*



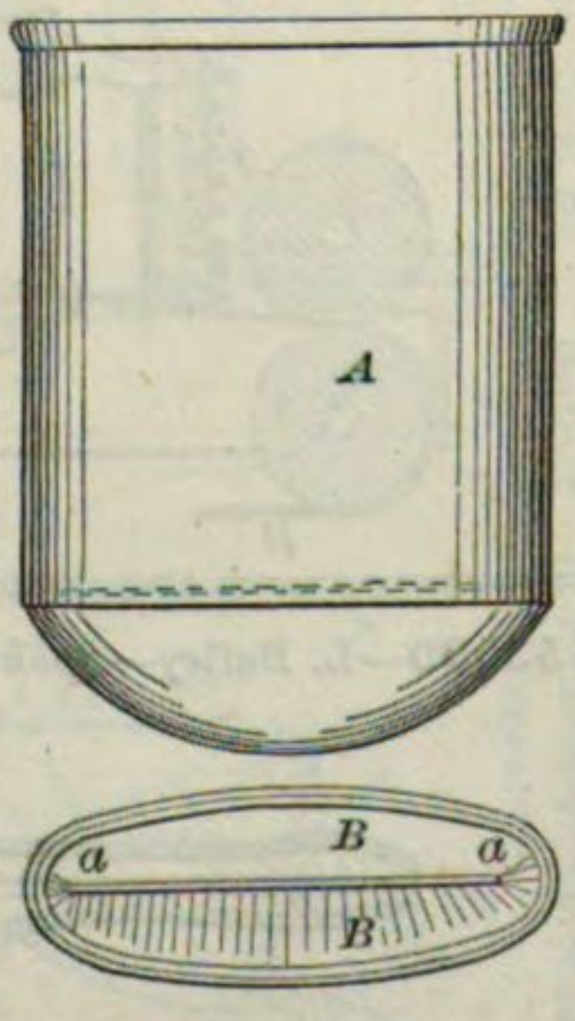
55586—J. McClay—*Driving Piles.*



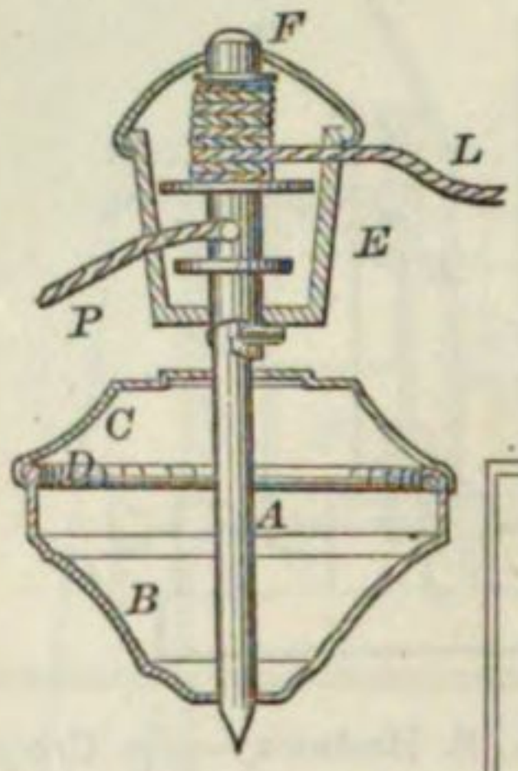
55588—W. G. Oliver—*Safety Gun Lock.*



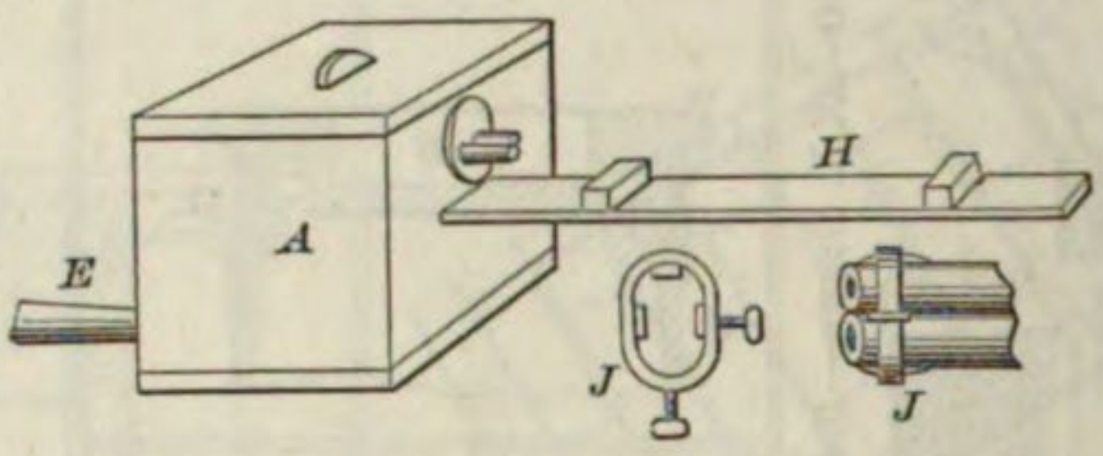
55590—R. E. Sisson—*Photographic Bath.*



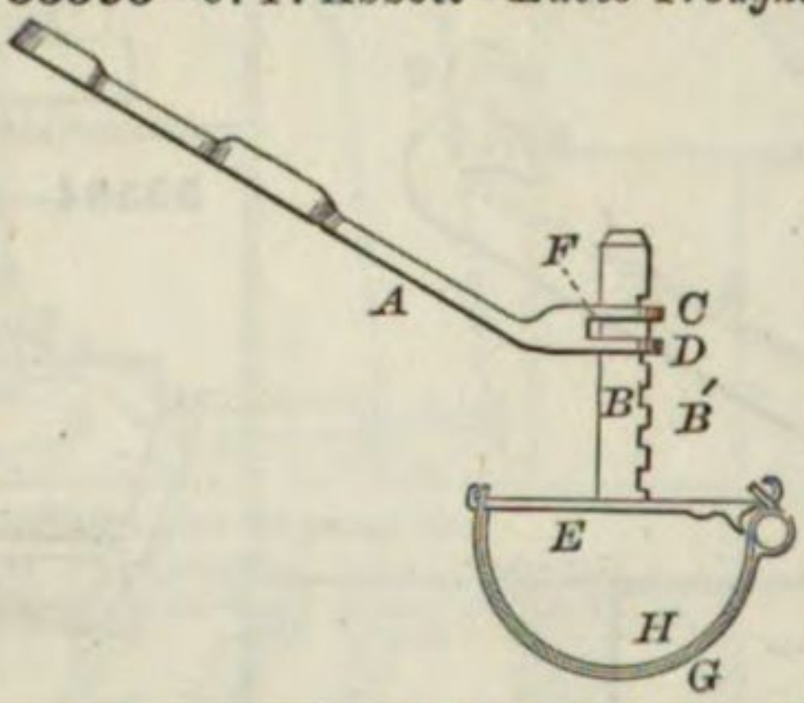
55591—F. O. & W. W. Tucker—*Toy Top.*



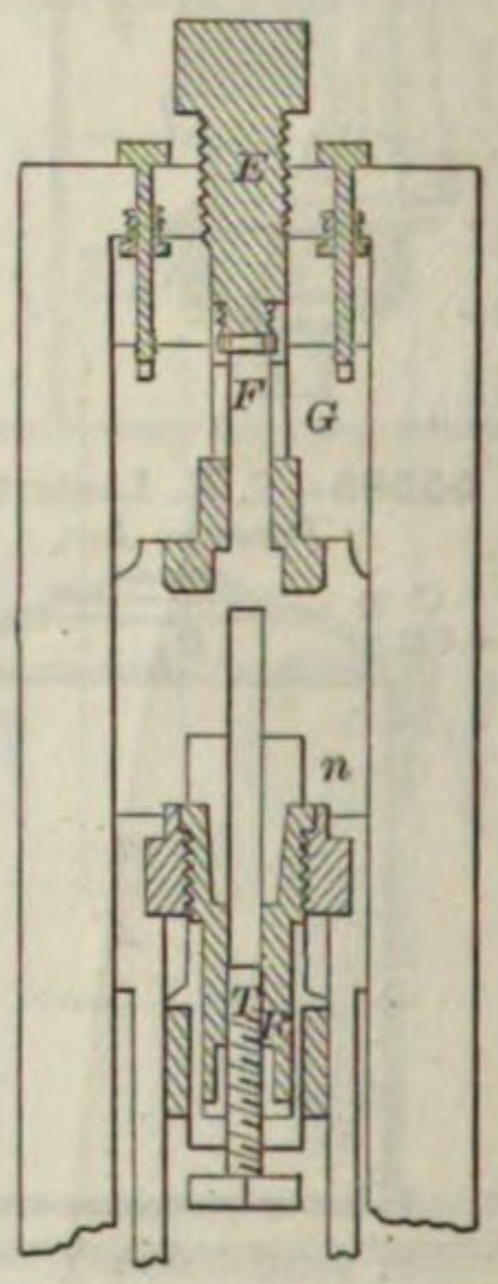
55596—E. Allen—*Heating and Soldering Gun Barrels.*



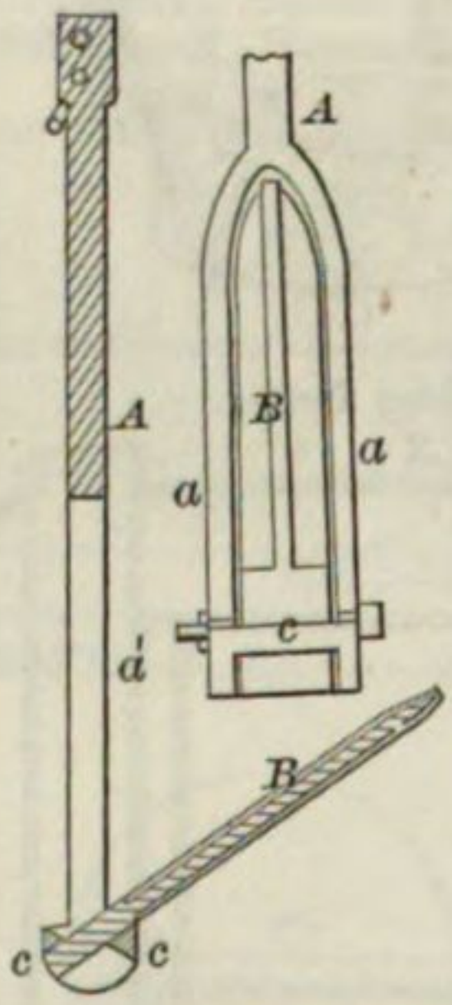
55595—J. P. Abbott—*Eaves Trough.*



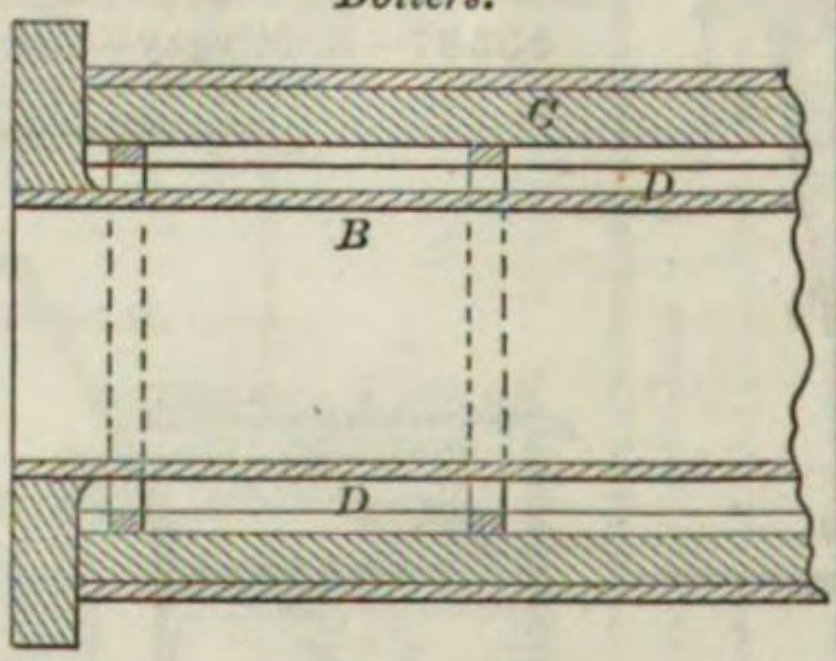
55597—H. E. Anthony—*Bolt Heading Machine.*



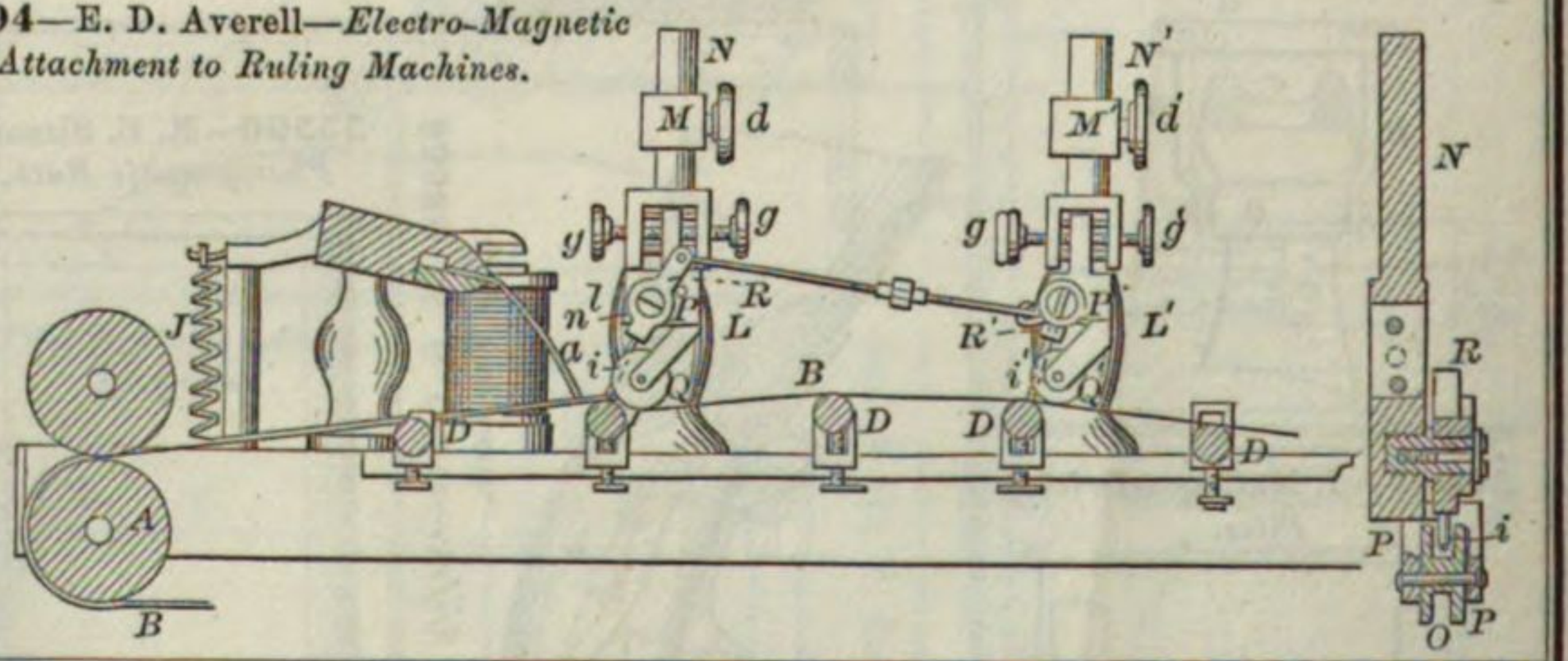
55593—P. Dinzey—*Anchor.*



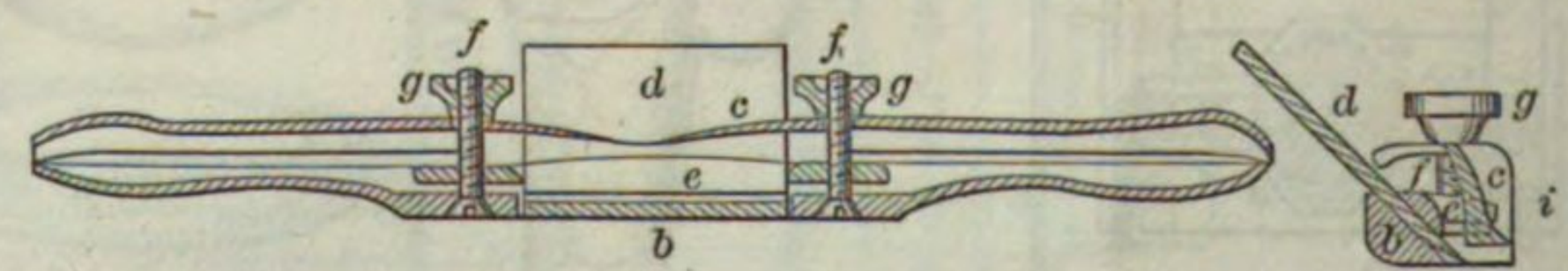
55598—J. Ashcroft—*Covering Steam Boilers.*



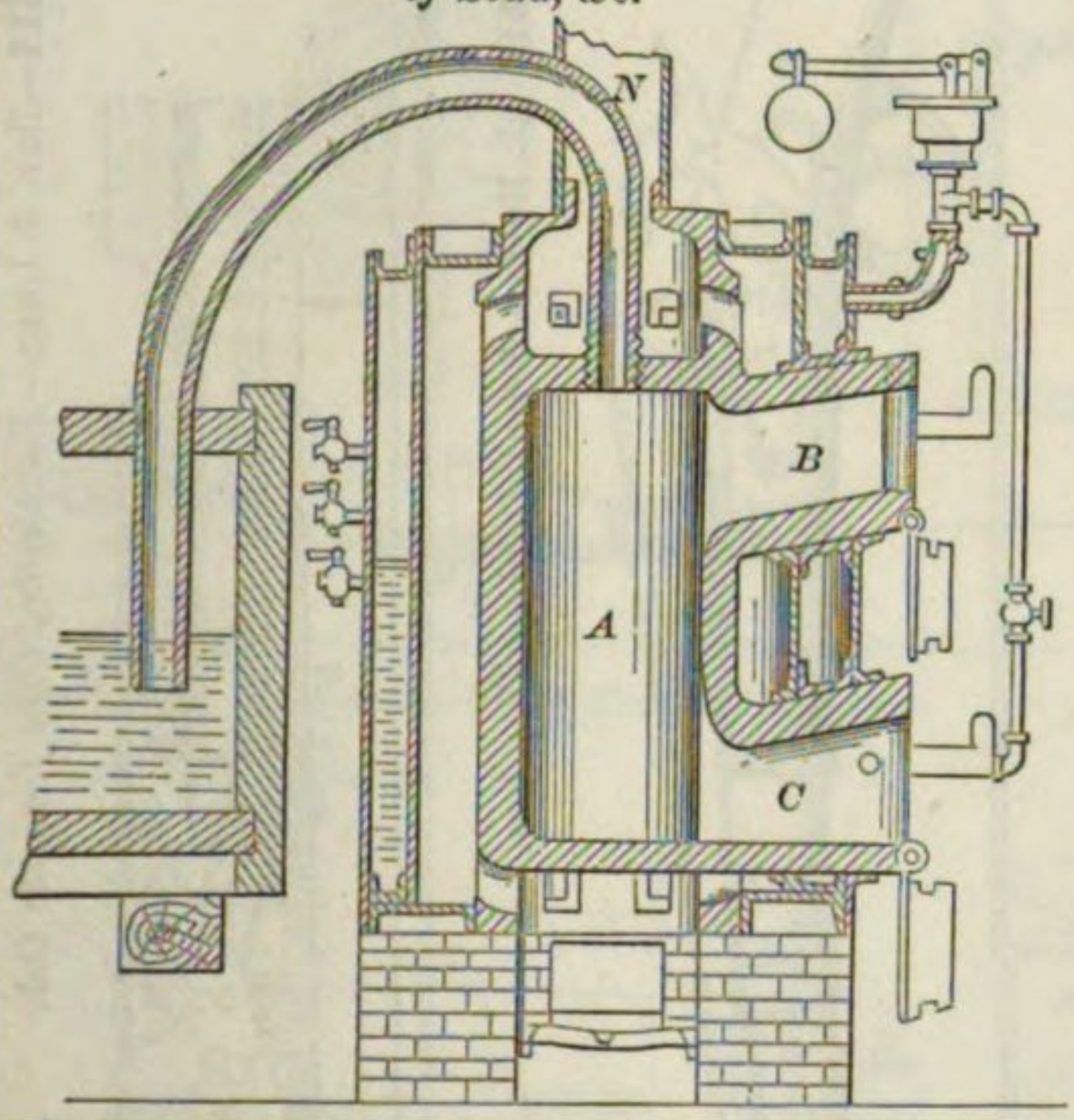
55594—E. D. Averell—*Electro-Magnetic Attachment to Ruling Machines.*



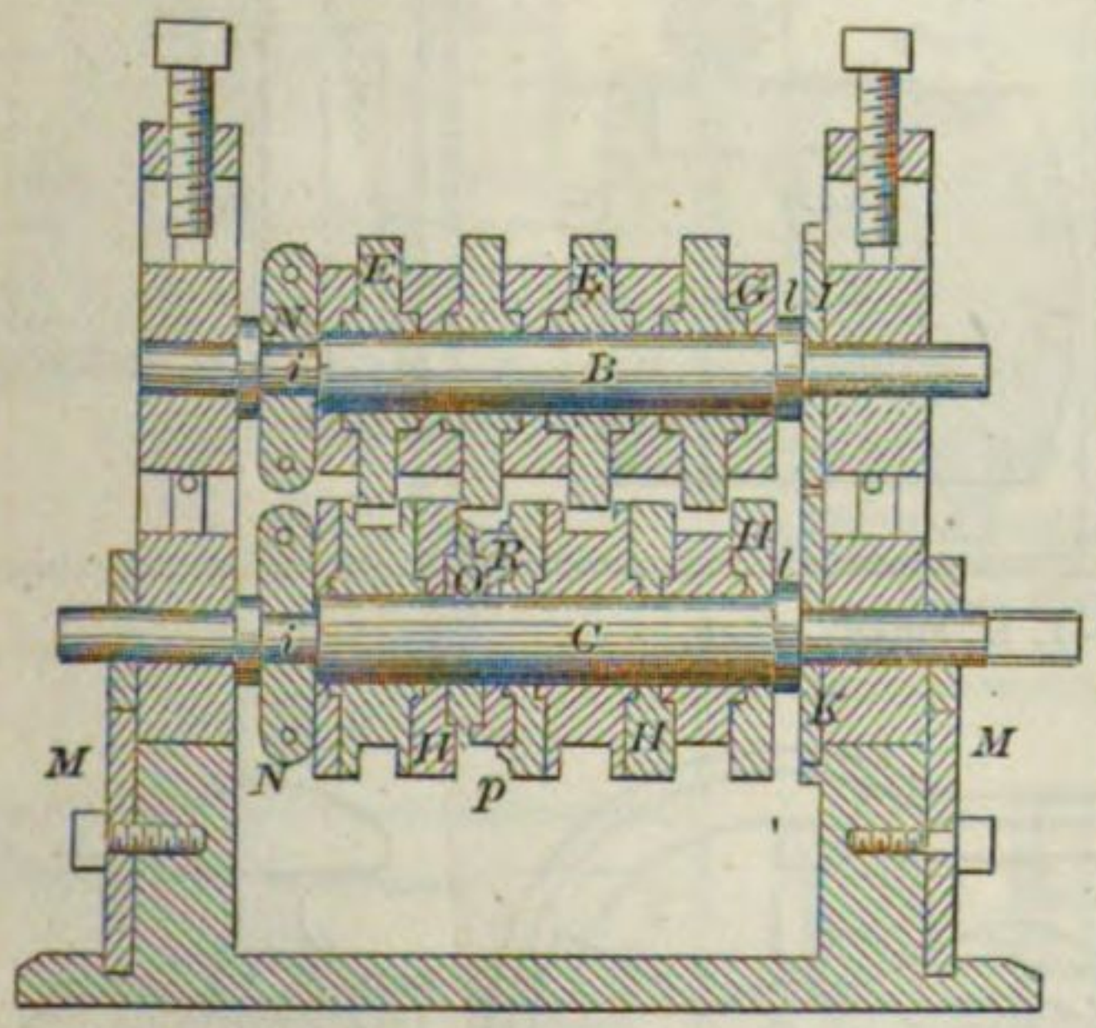
55599—L. Bailey—*Spoke Shave.*



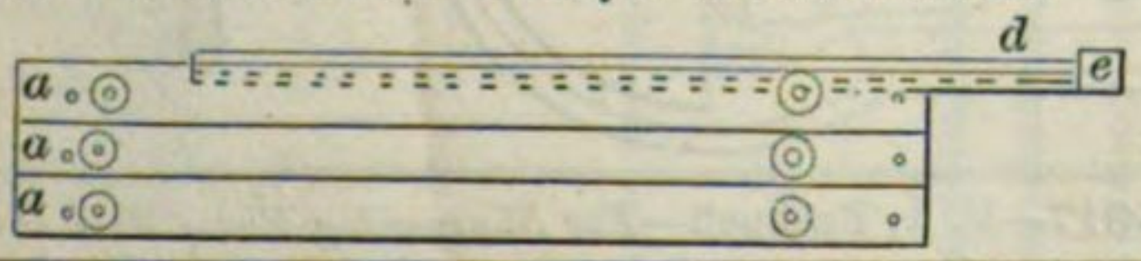
55600—H. M. Baker—*Manufacture of Carbonate of Soda, &c.*



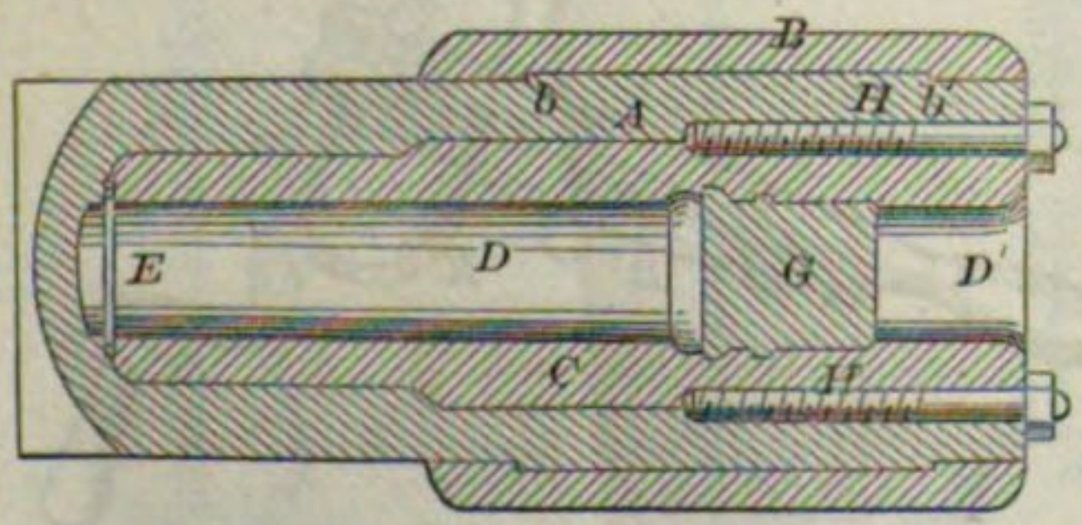
55602—H. J. Batchelder—*Horse Shoe Machine.*



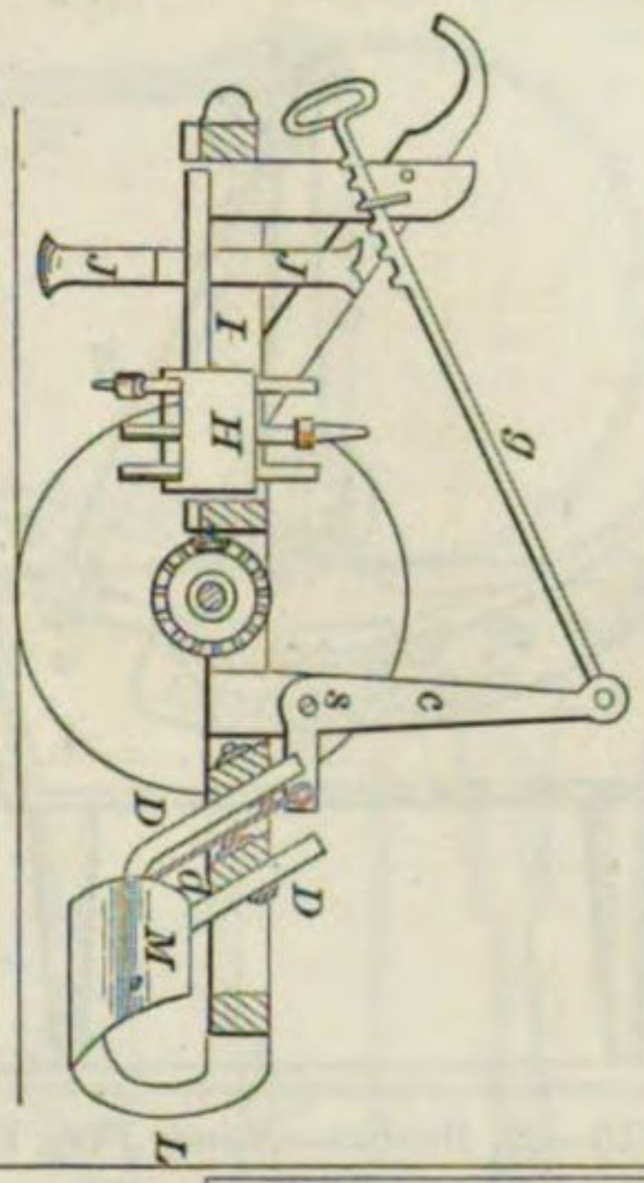
55606—J. F. Birchard—*Slide for Extension Tables.*



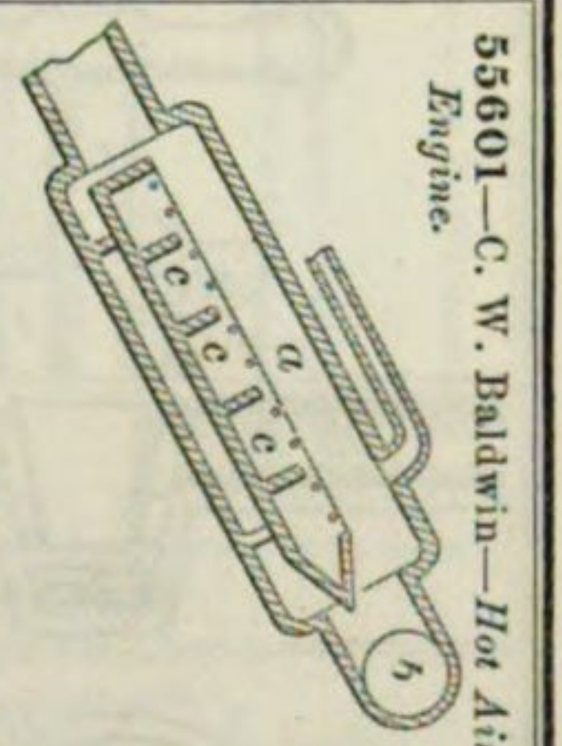
55609—L. W. Broadwell—*Ordnance.*



55607—W. W. Blair—*Cotton Cultivator.*

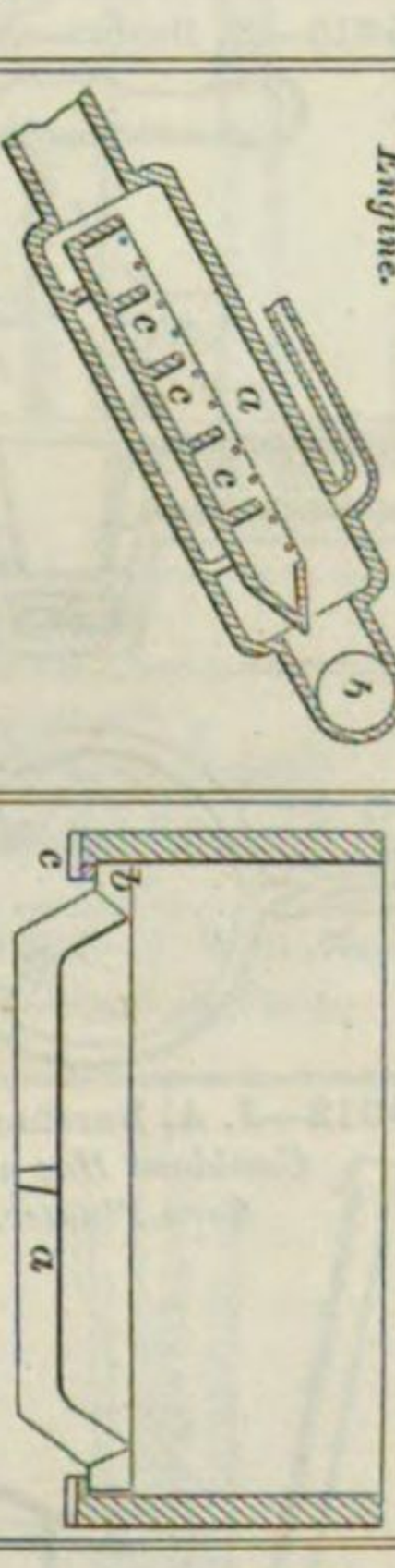


55601—C. W. Baldwin—*Hot Air Engine.*

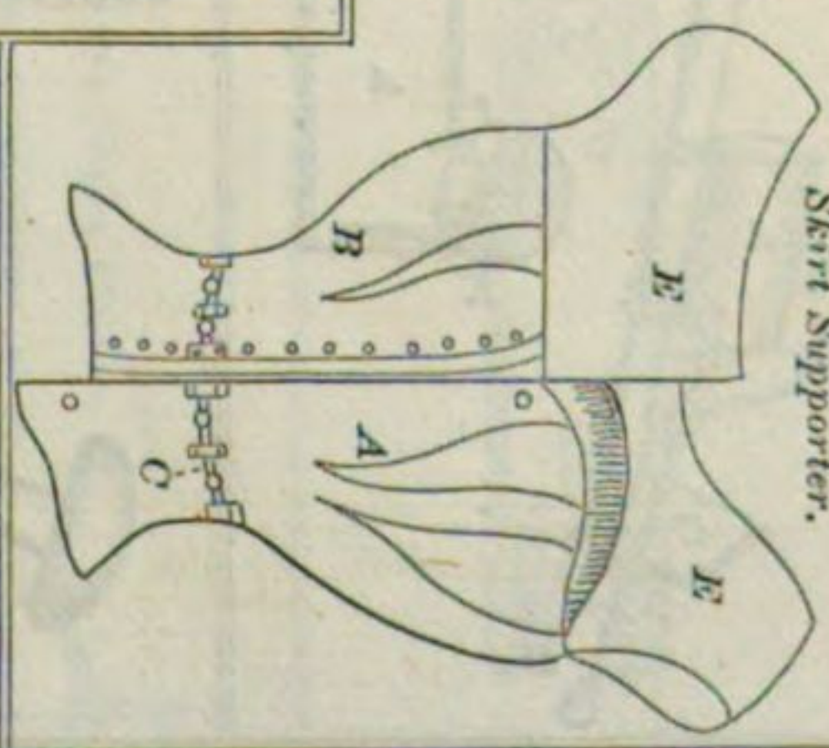


55605—A. Bingham—*Chair Seat.*

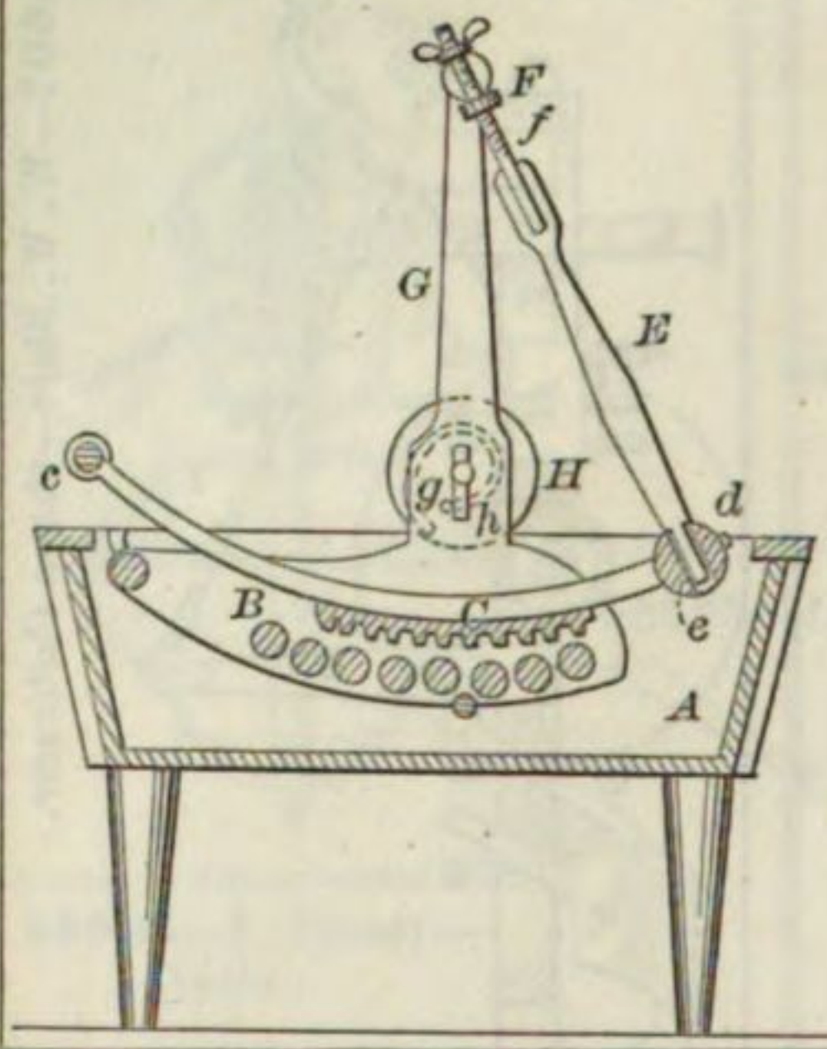
55603—H. K. Bates—*Grate Bar.*



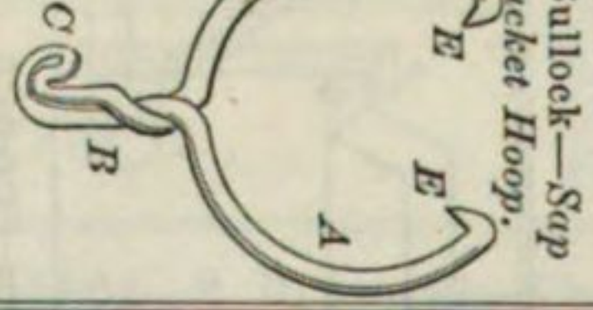
55608—E. Blakeslee—*Corset and Skirt Supporter.*



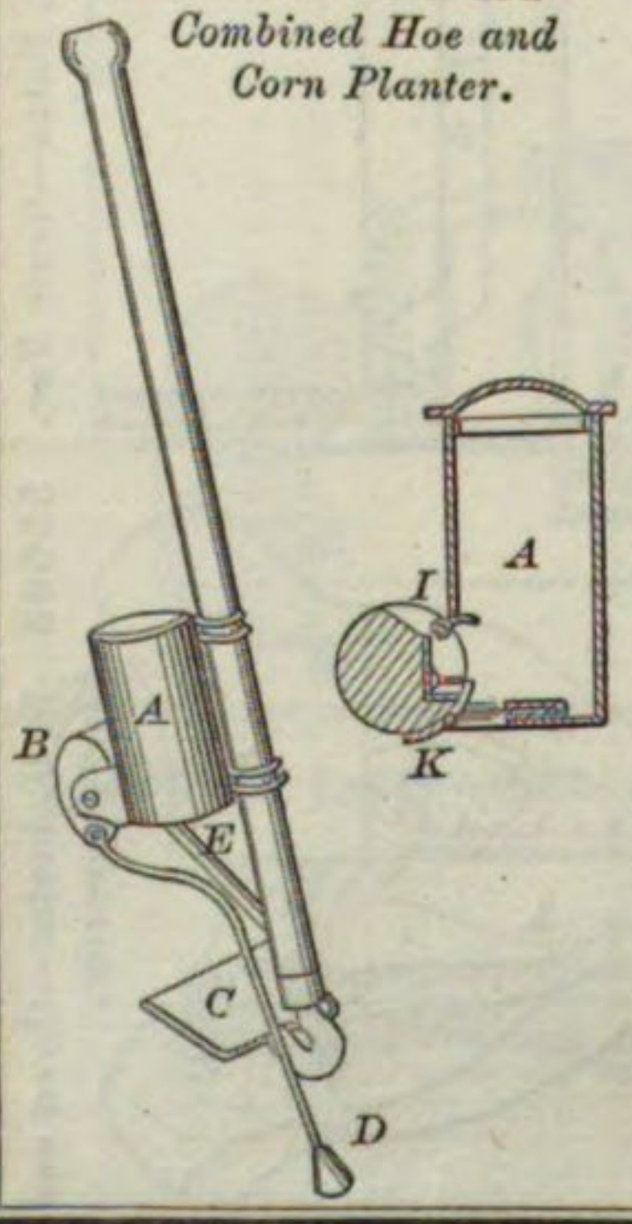
55610—H. Bucknall—*Washing Machine.*



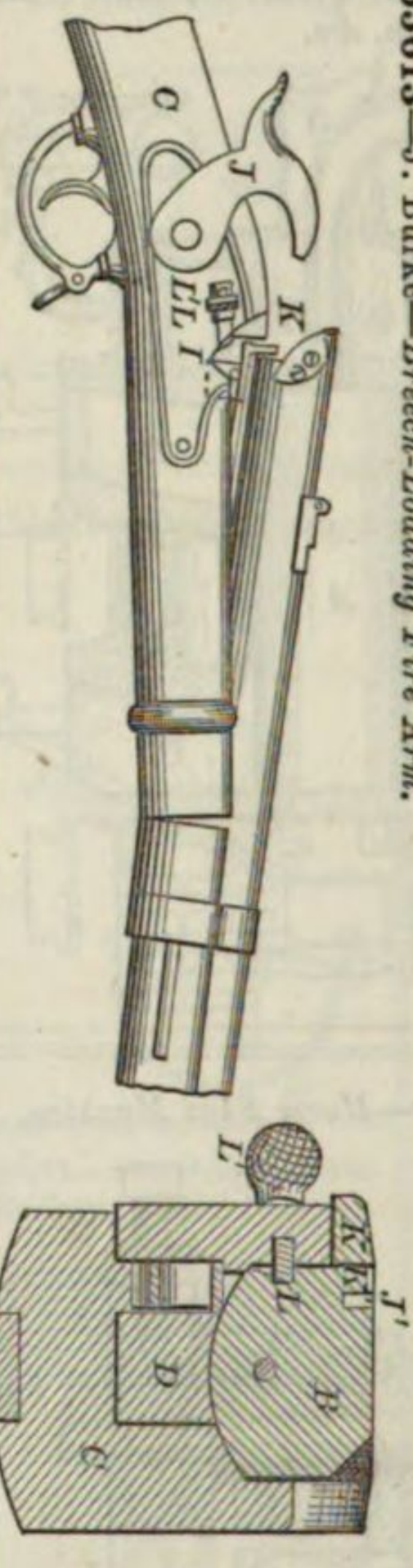
55611—J. Bullock—*Sap Bucket Hoop.*



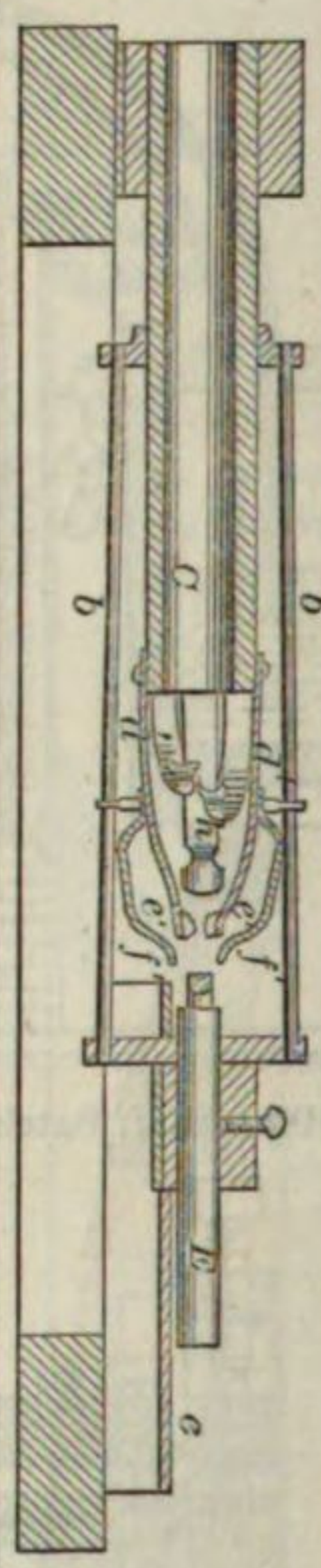
55612—J. A. Burchard—*Combined Hoe and Corn Planter.*



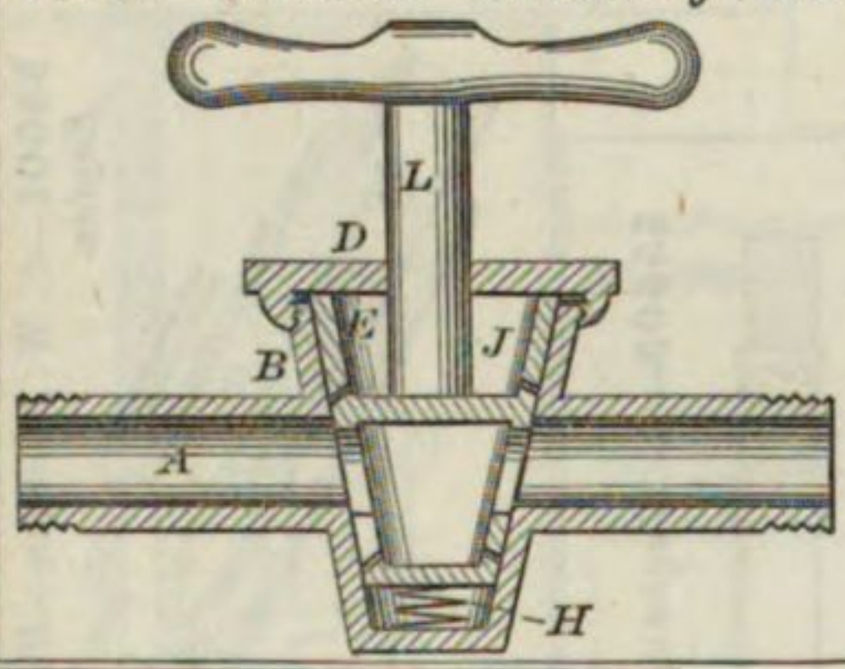
55613—J. Burke—*Breech-Loading Fire Arm.*



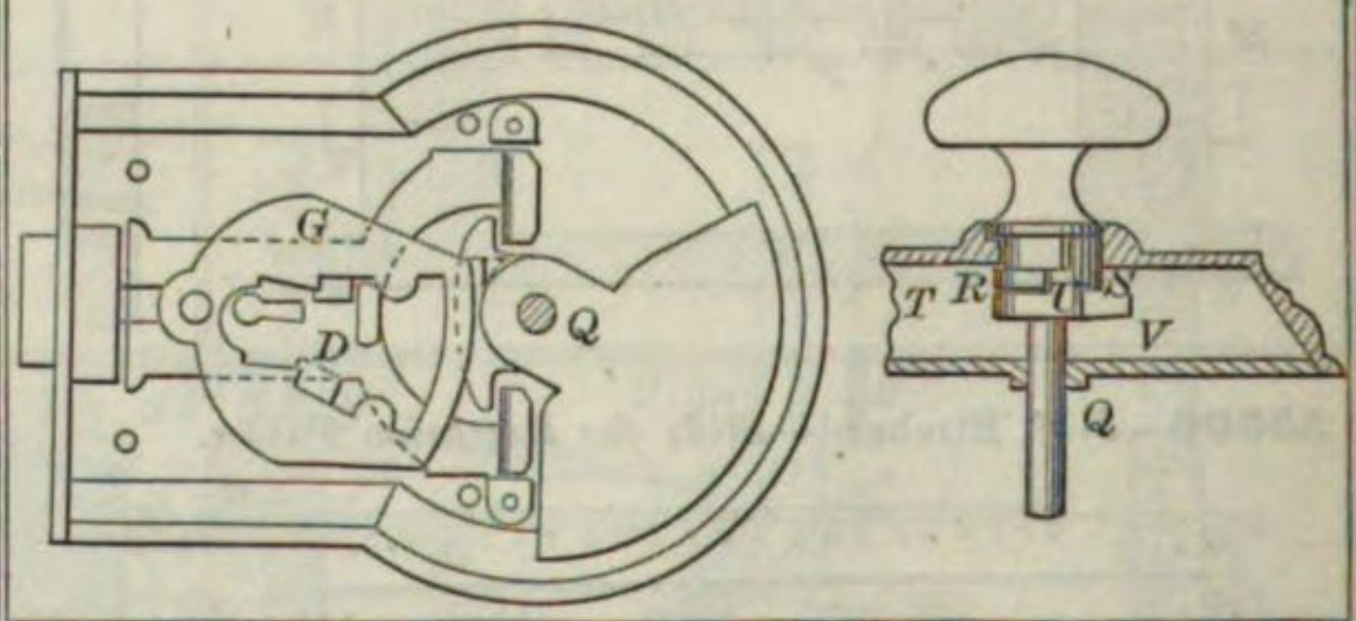
55614—Burt & Dunn—*For Cutting Corn from the Cob.*



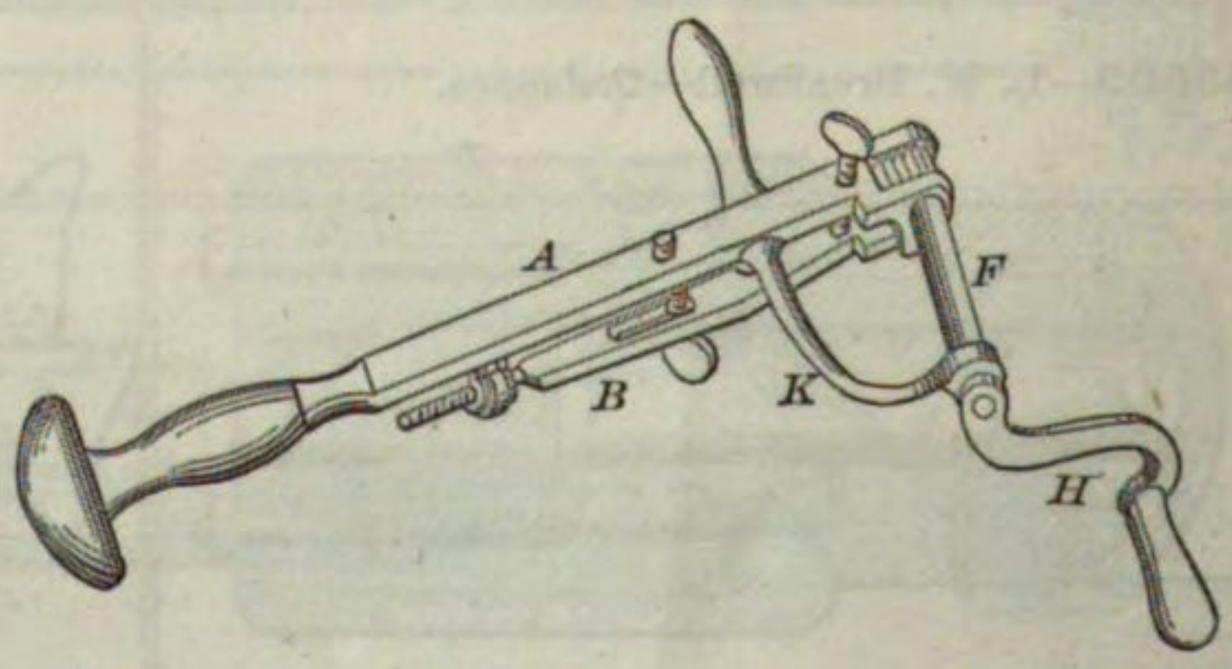
55615—R. Burton—*Steam Plug Valve.*



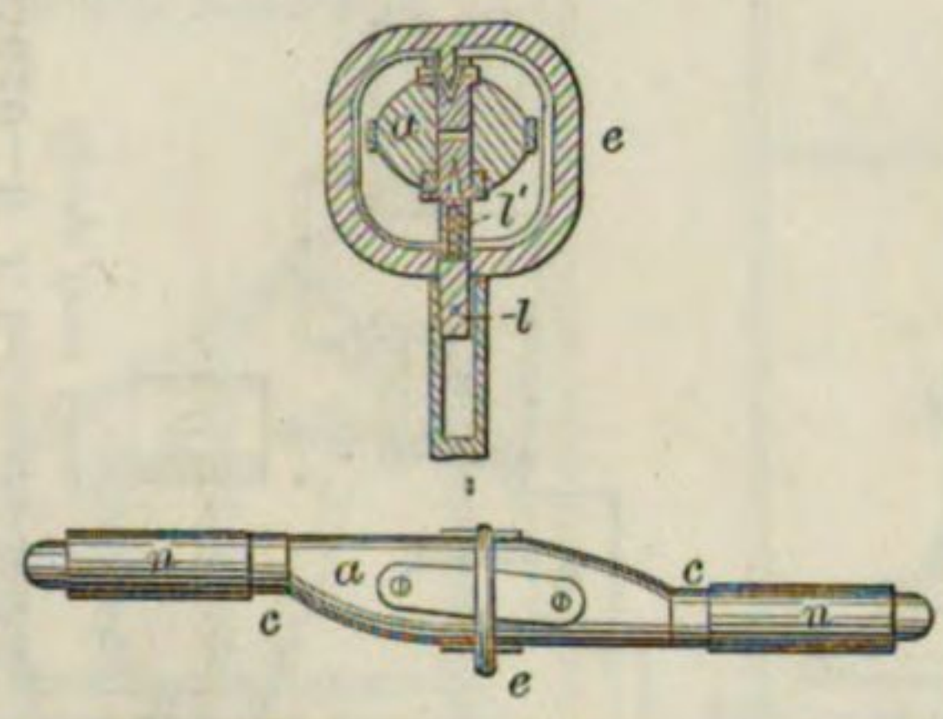
55616—I. D. Bush—*Lock.*



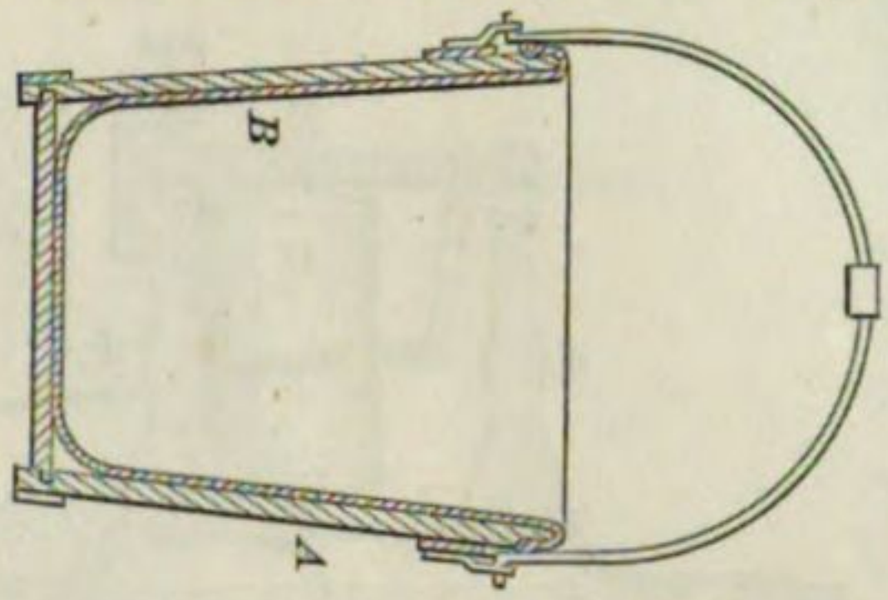
55617—E. A. Bushnell—*For Sharpening Horse Shoe Calks.*



55618—D. P. Butler—*Lifting Bar.*

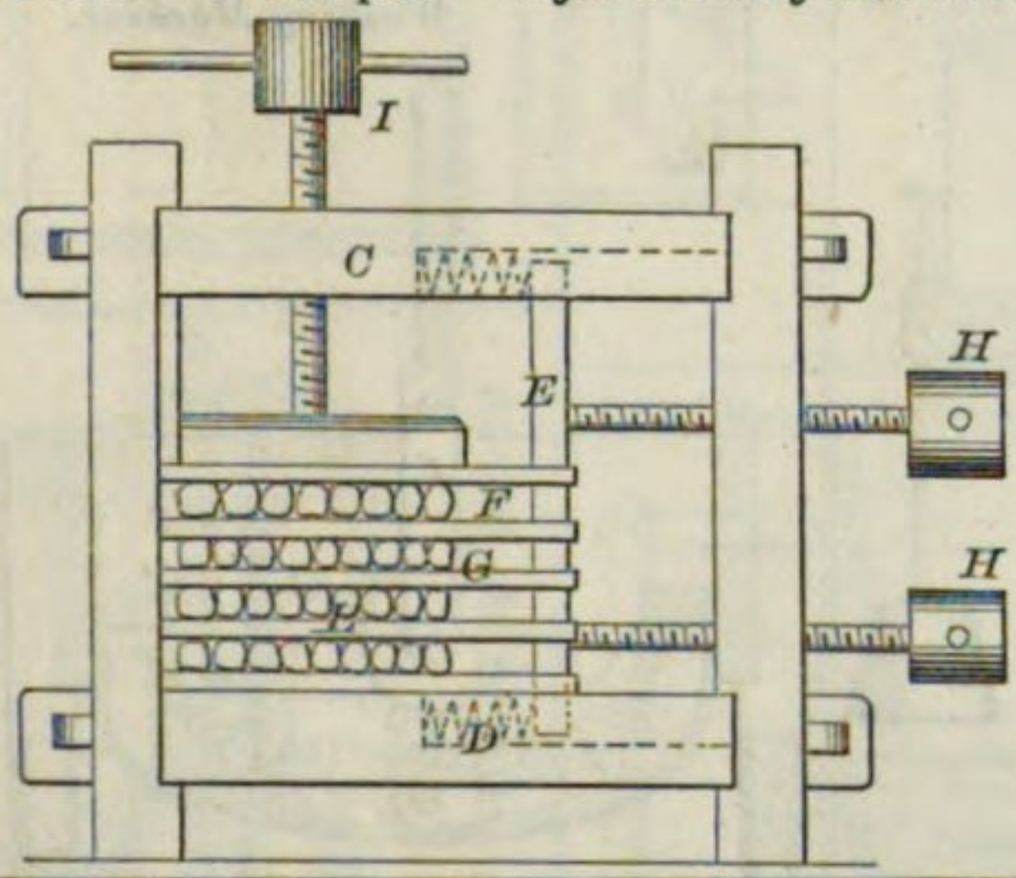


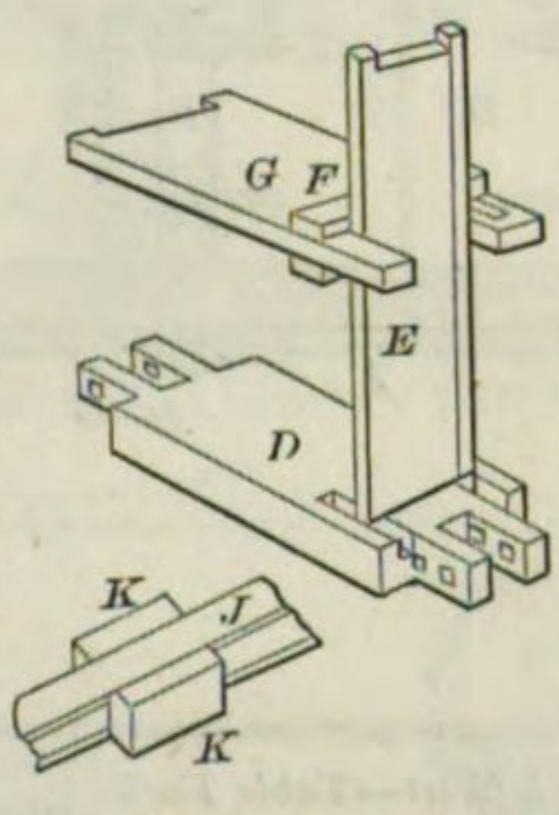
55621—Carton & Ralph—*Milk Pail.*



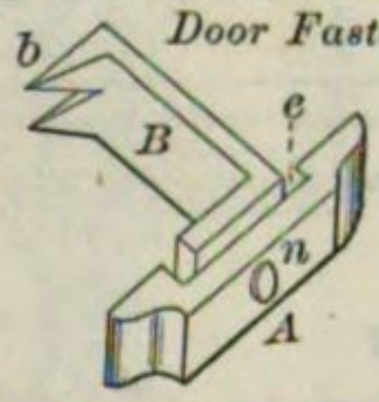
55623—R. Collier—*Pruning Instrument.*

55619—J. Campbell—*Cigar Pressing Machine.*

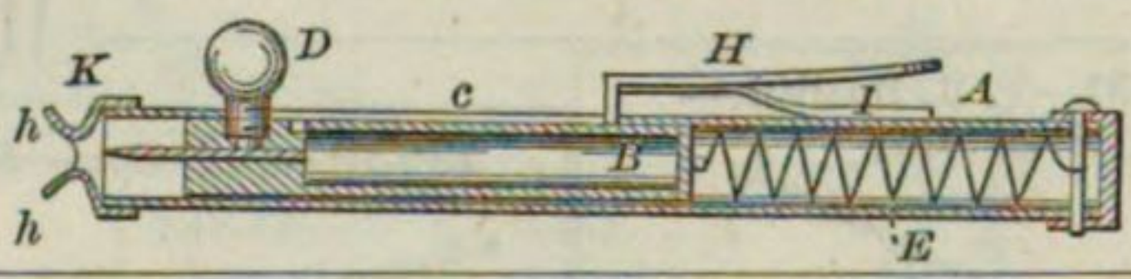




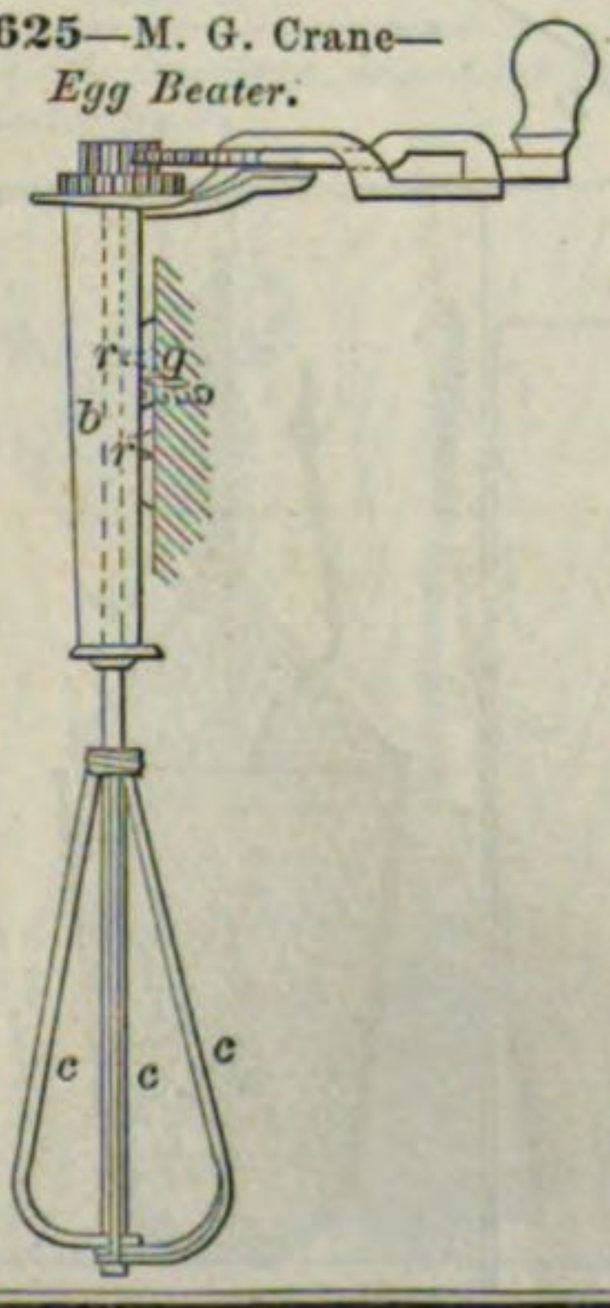
55624—D. Conborn—*Portable Door Fastening.*



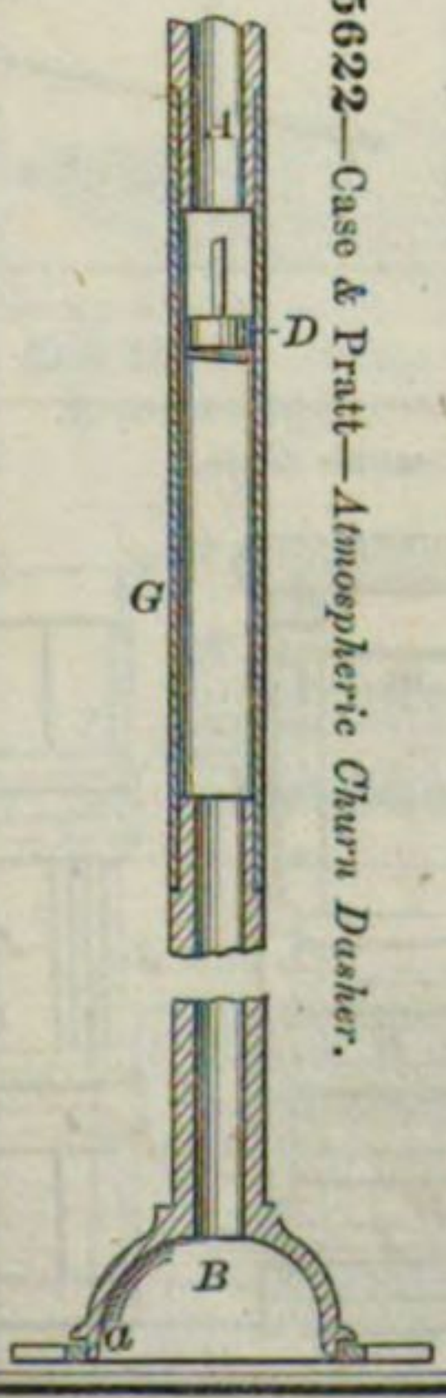
55620—G. J. Capewell—*Spring Lancet.*



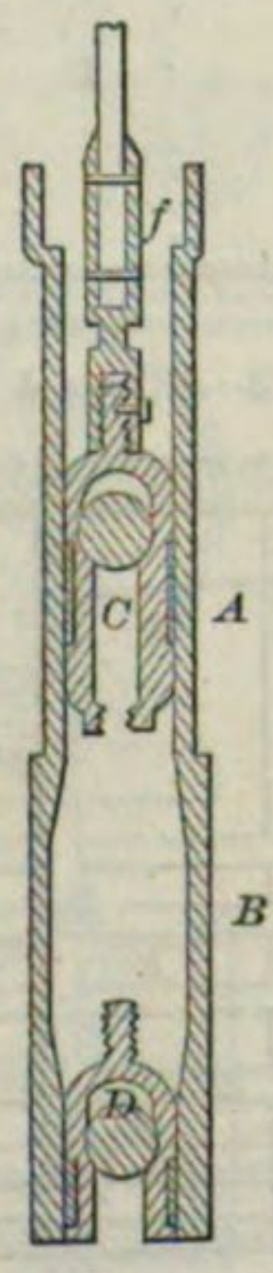
55625—M. G. Crane—*Egg Beater.*



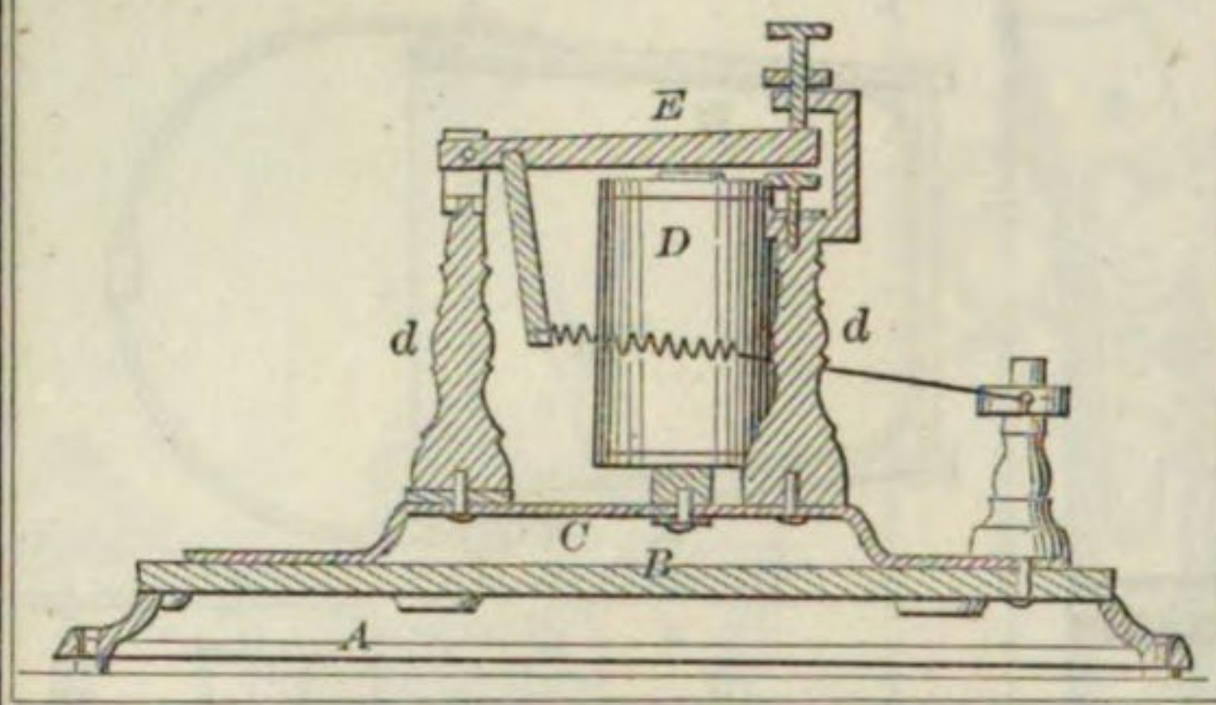
55622—Case & Pratt—*Atmospheric Churn Dasher.*



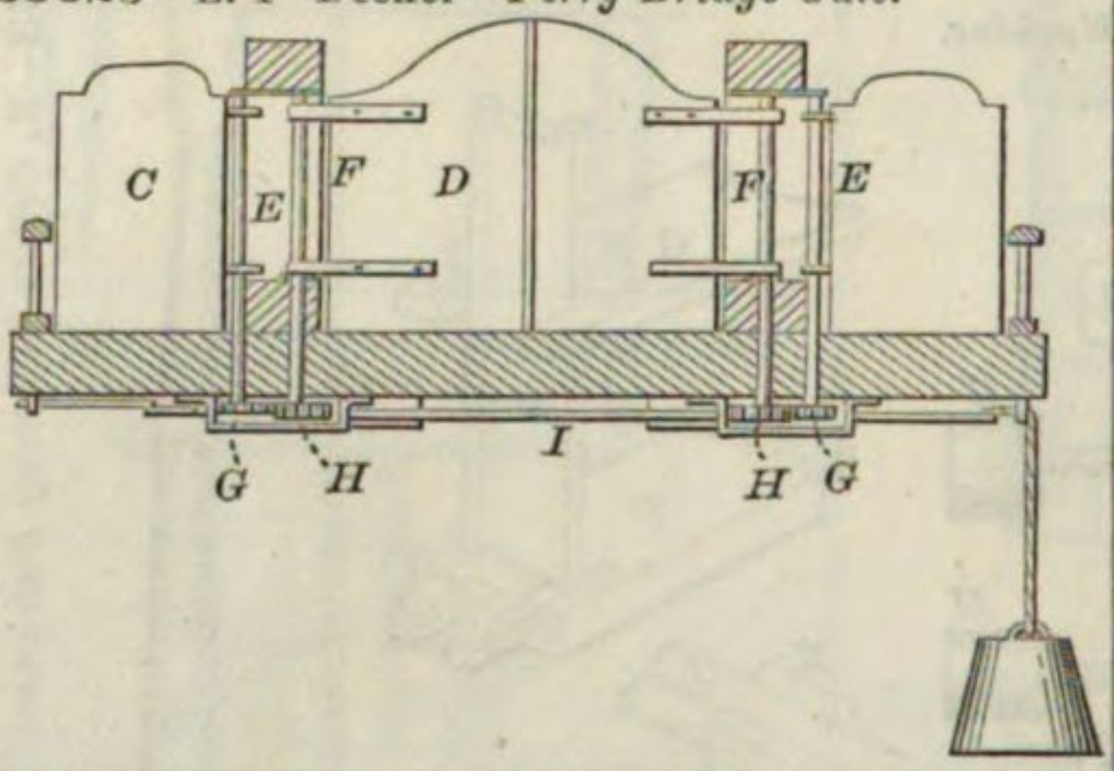
55626—J. H. Davis—*Deep Well Pump.*



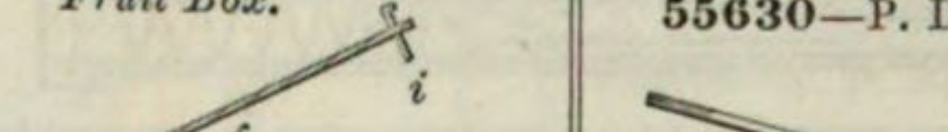
55627—S. F. Day—*Sounder Magnet.*



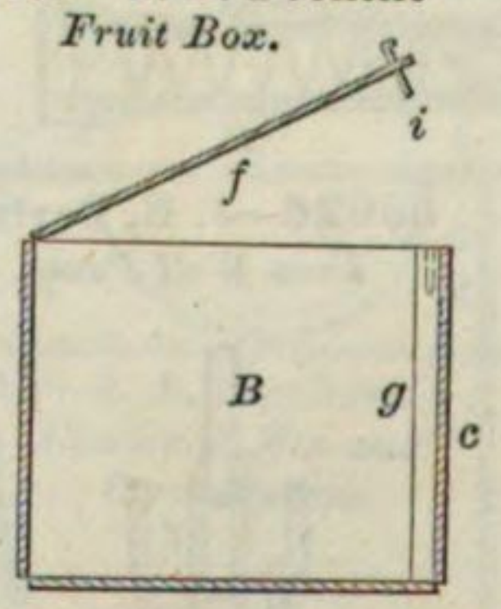
55628—L. P Decker—*Ferry Bridge Gate.*



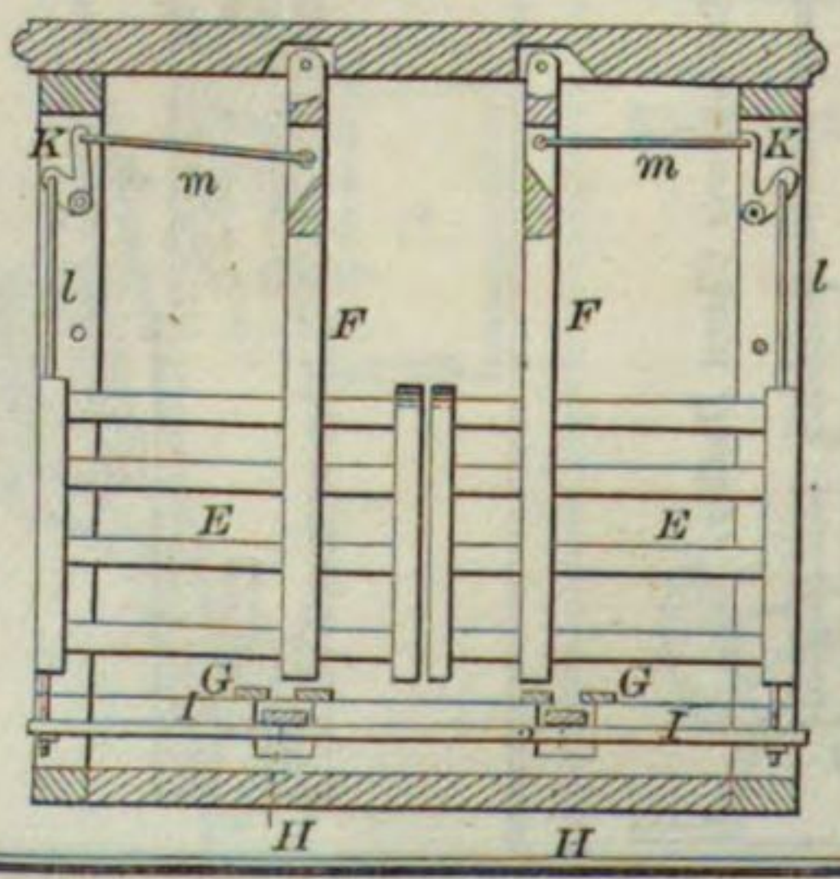
55632—Edmond & Wirt—*Table Fork.*

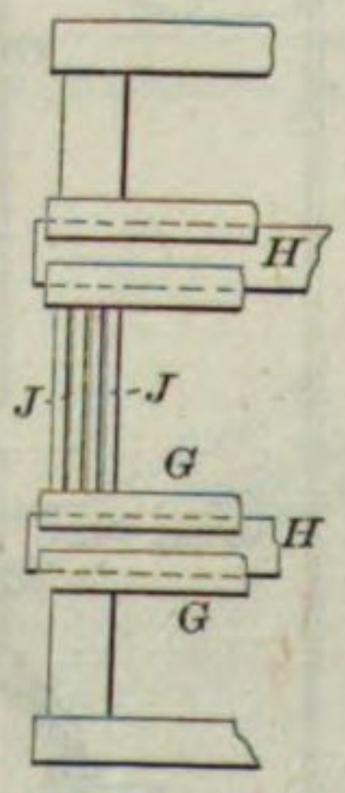


55631—T. B. Doolittle—*Fruit Box.*

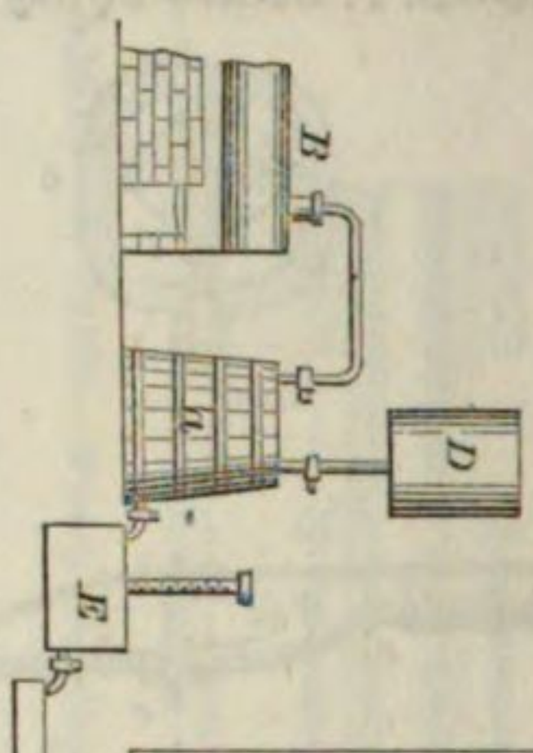


55633—Elkins & Green—*Automatic Gate.*

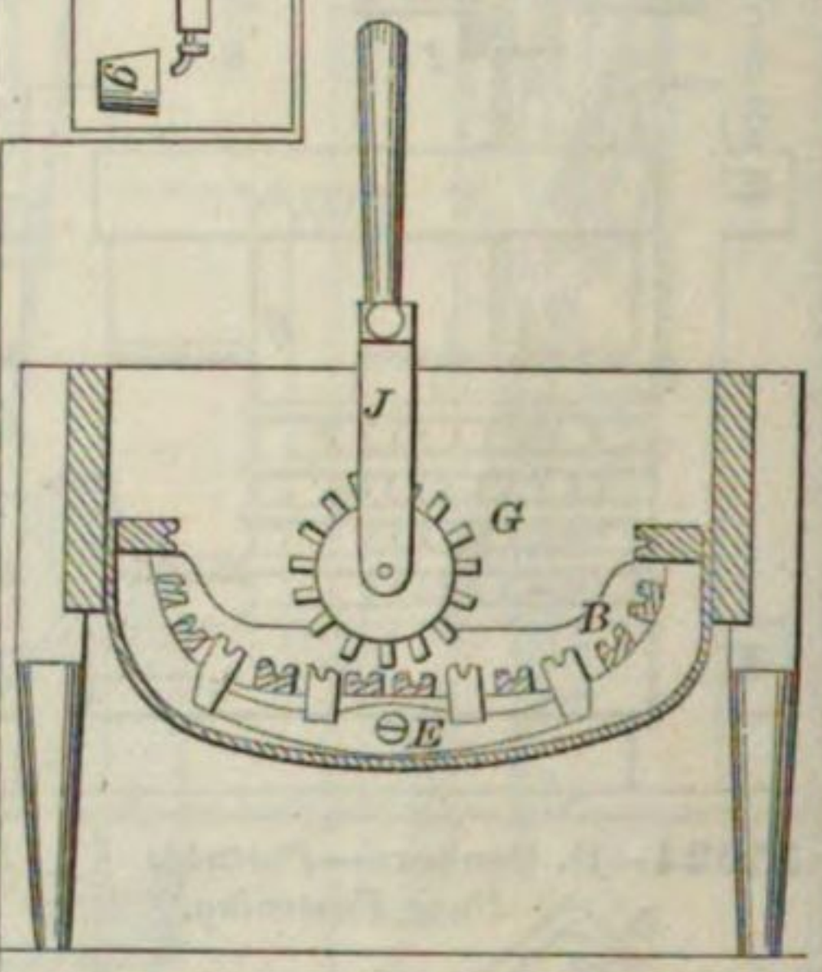




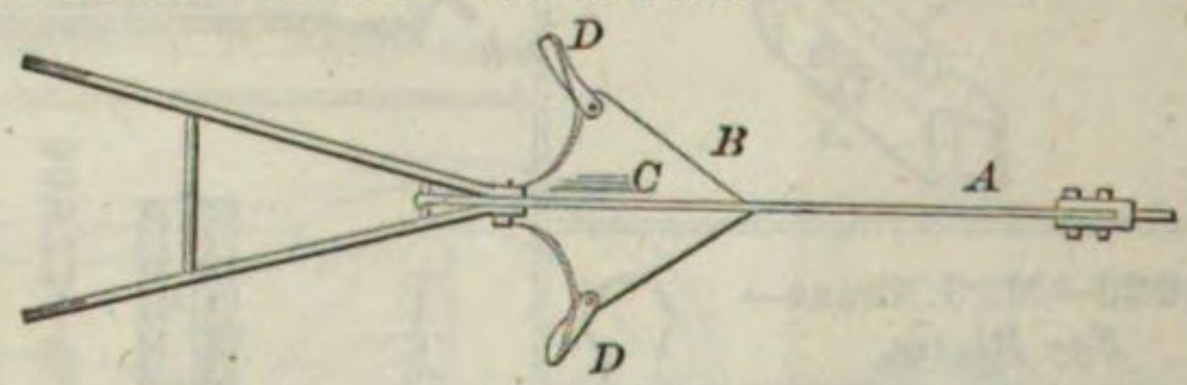
55629—H J. Deissner—*Making Syrup from Corn.*



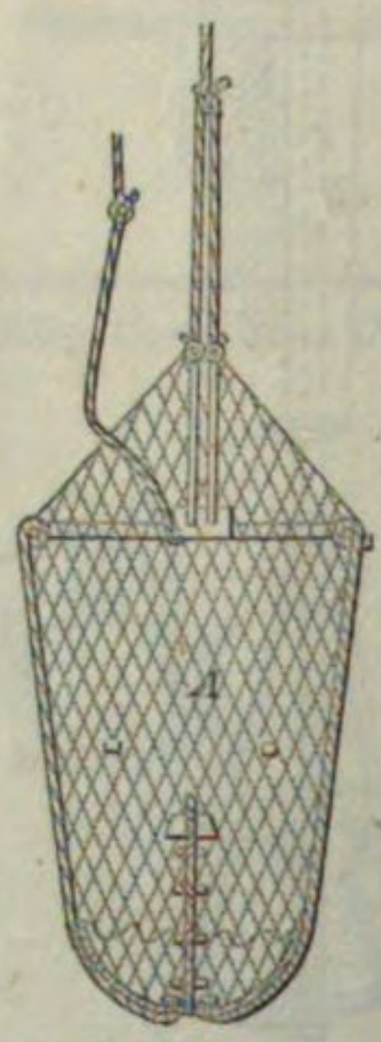
55634—J. C. Fellows—*Washing Machine.*



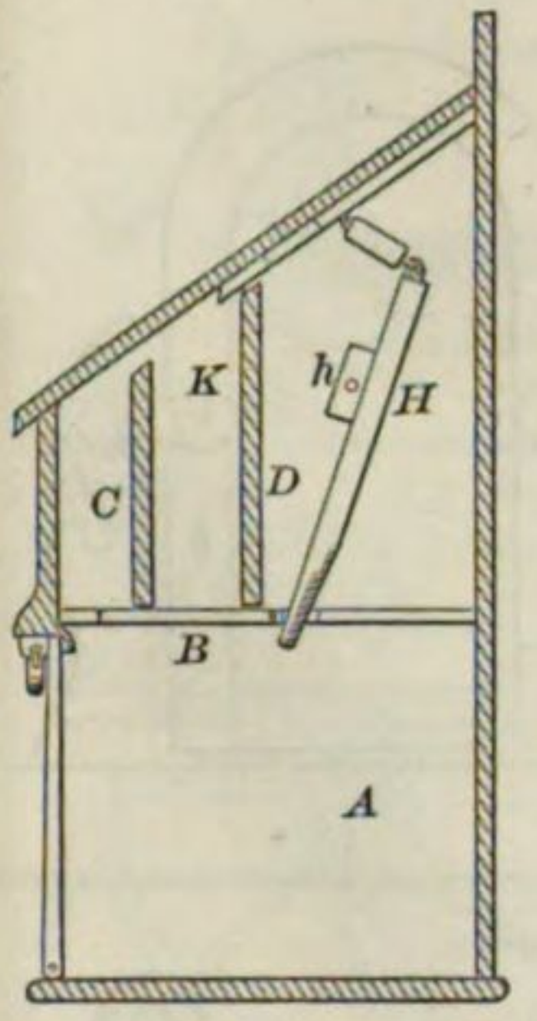
55630—P. Dennis—*Shovel Plow.*



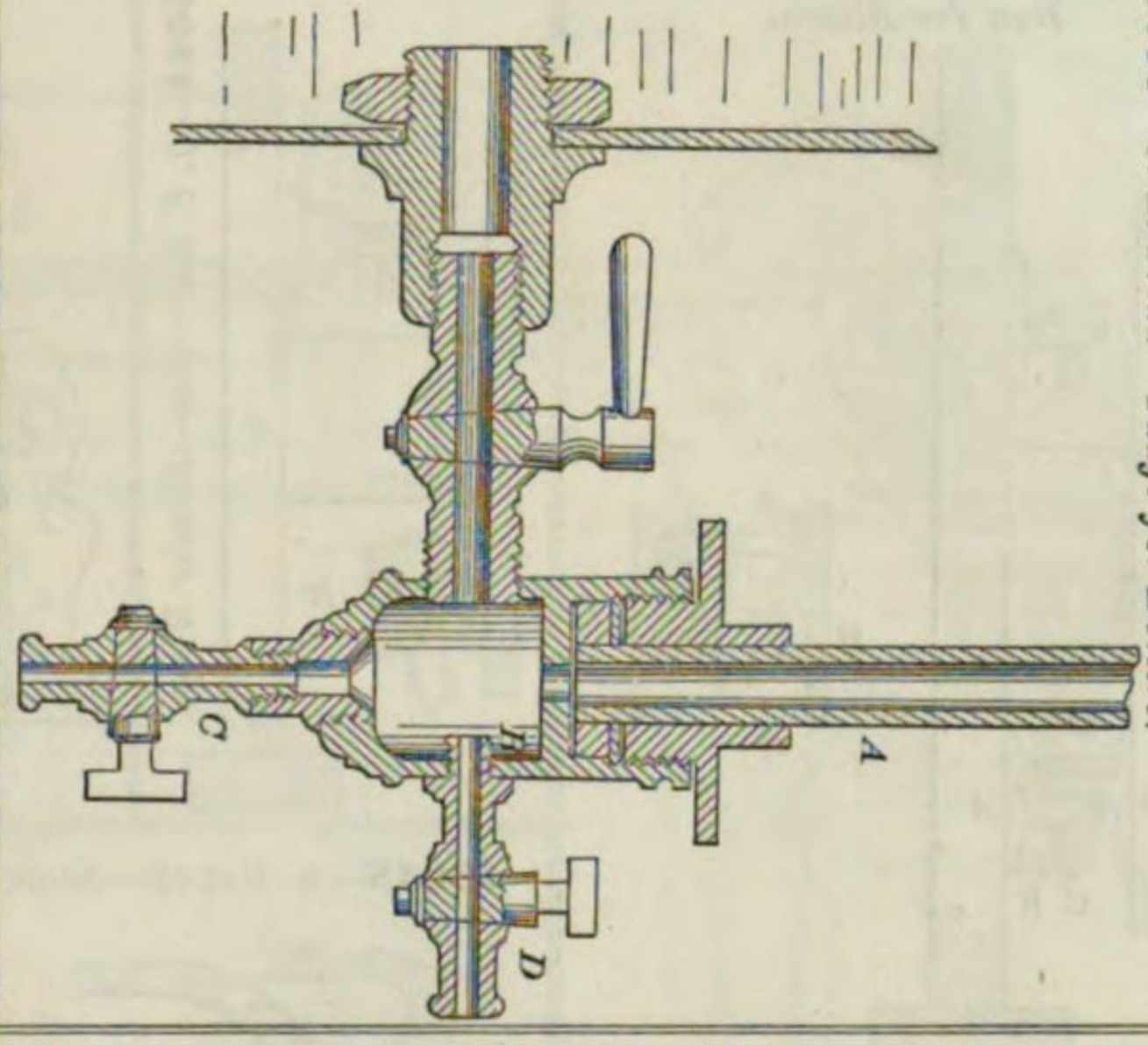
55635—E. A. Field—*Fishing Net.*



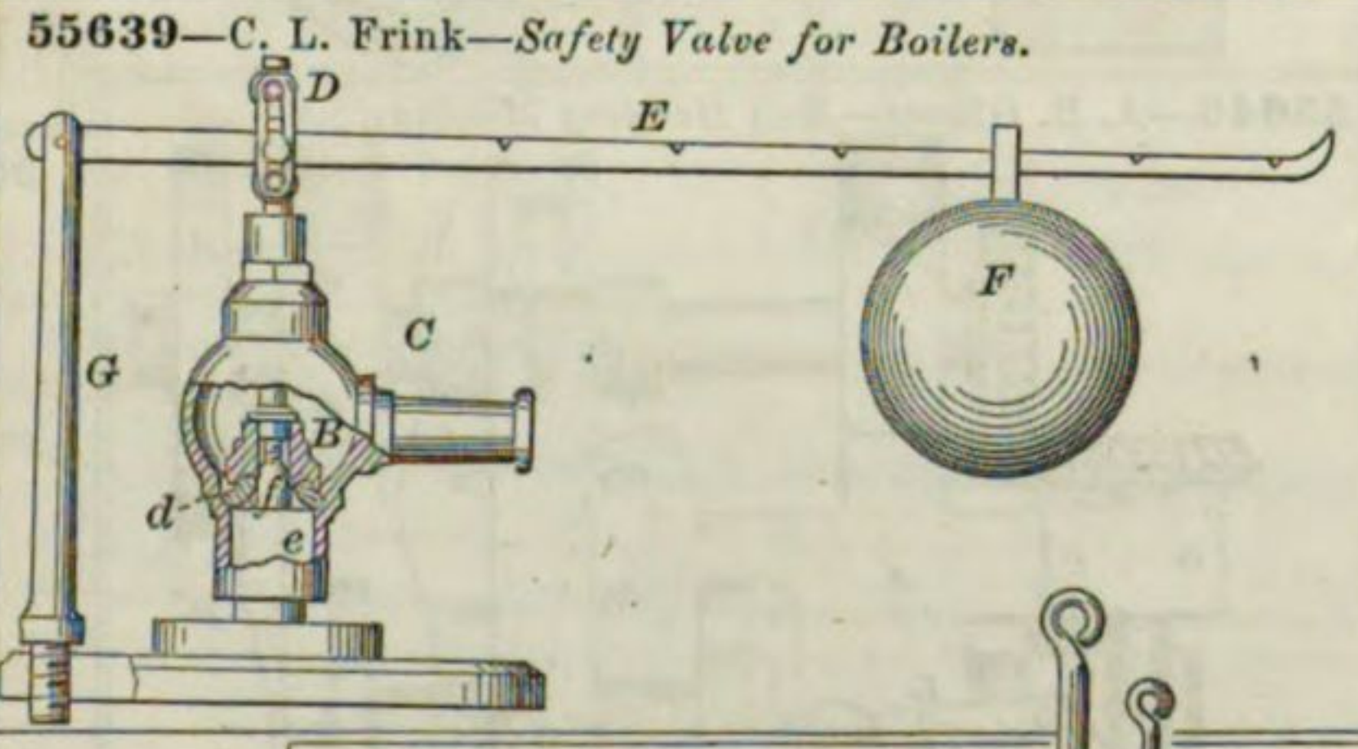
55636—D. D. Foley—
Portable Letter Box.



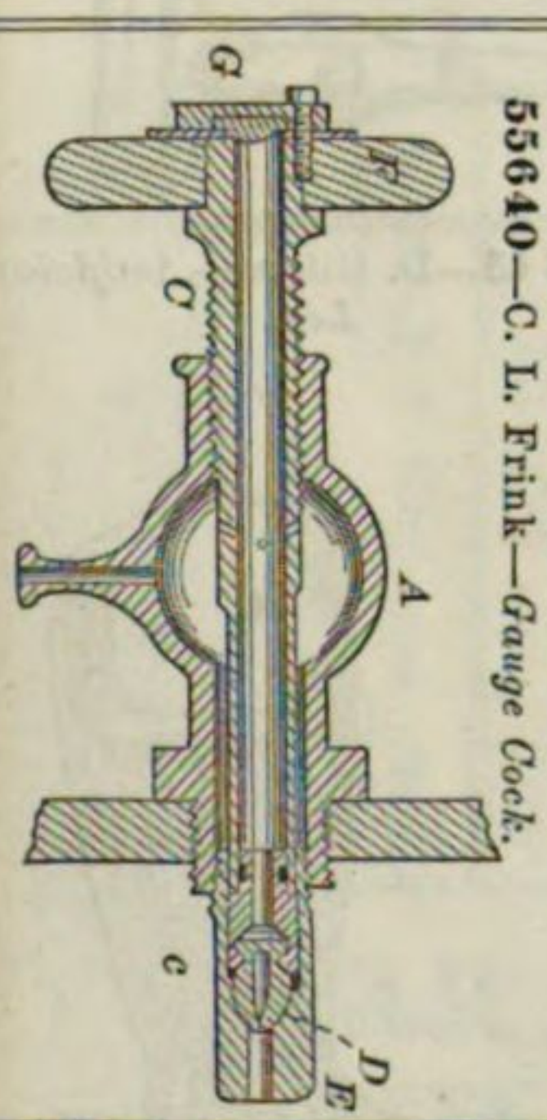
55638—C. L. Frink—*Gauge for Boilers.*



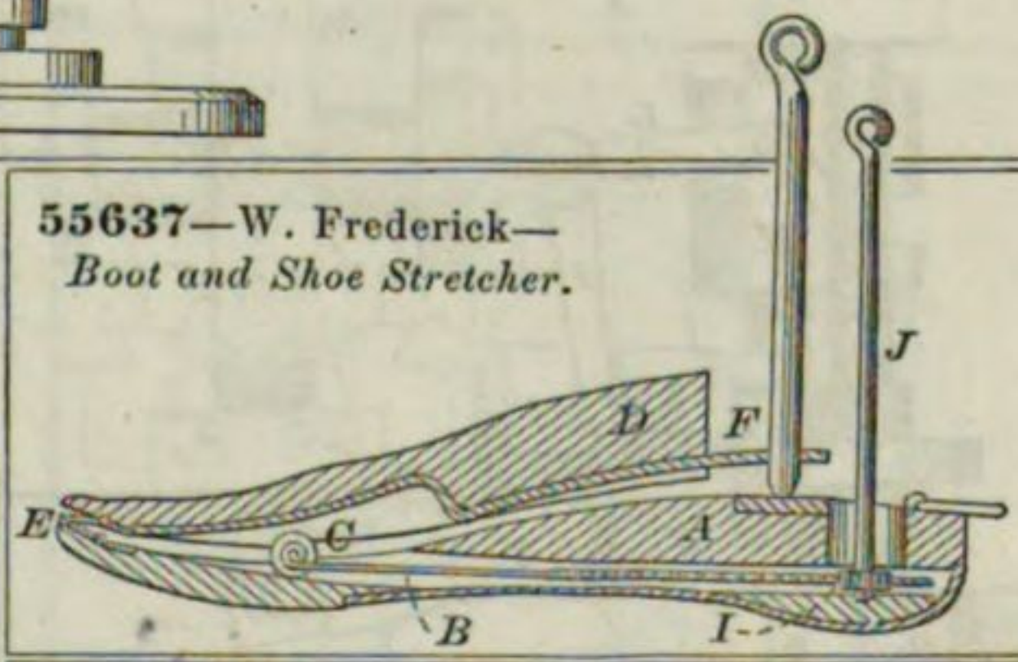
55639—C. L. Frink—*Safety Valve for Boilers.*



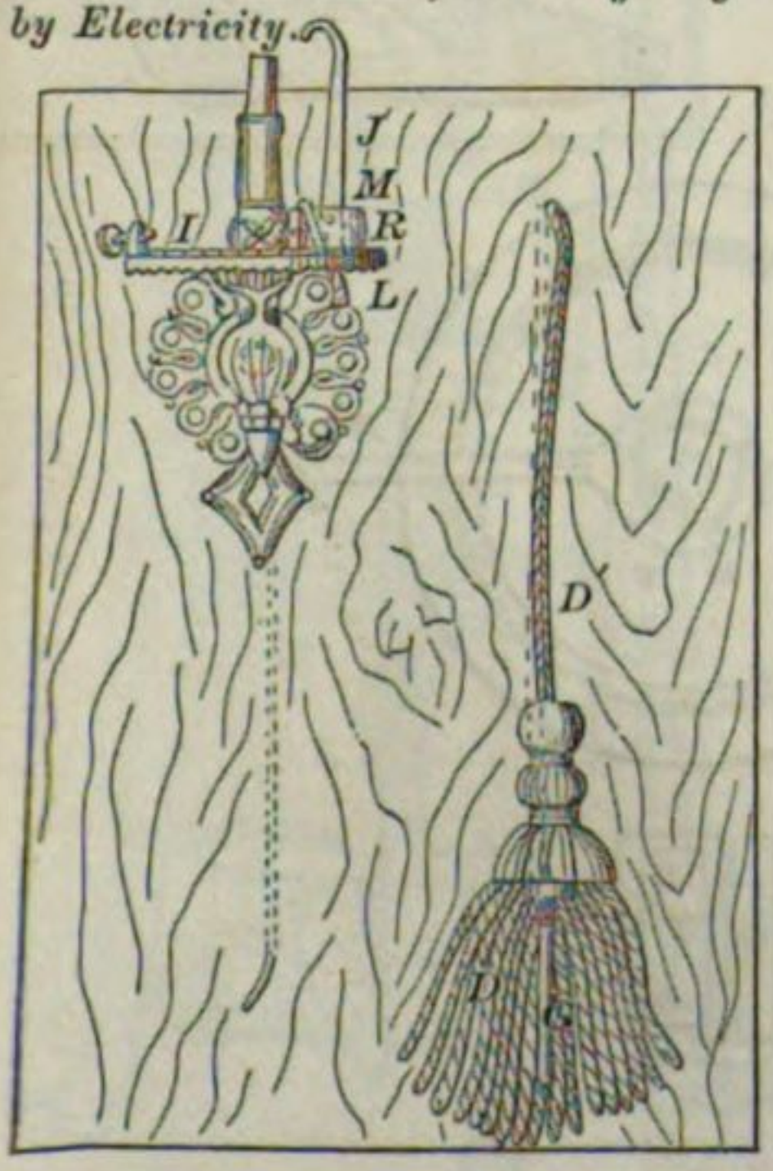
55640—C. L. Frink—*Gauge Cock.*



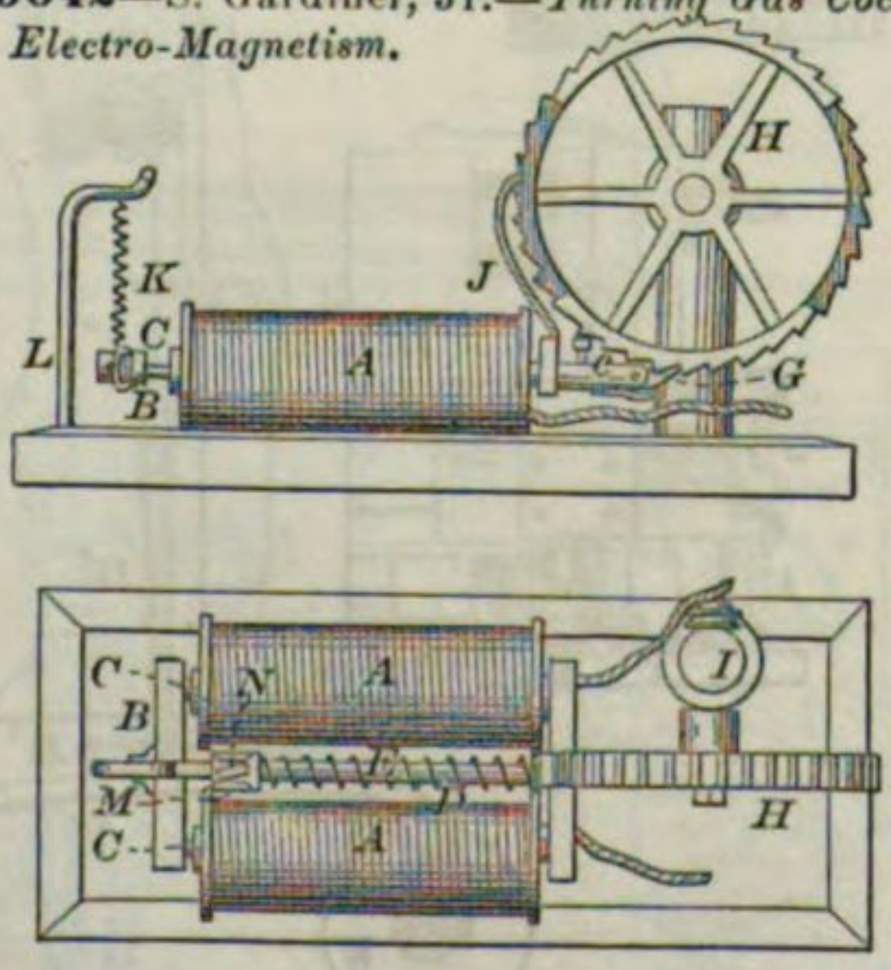
55637—W. Frederick—
Boot and Shoe Stretcher.



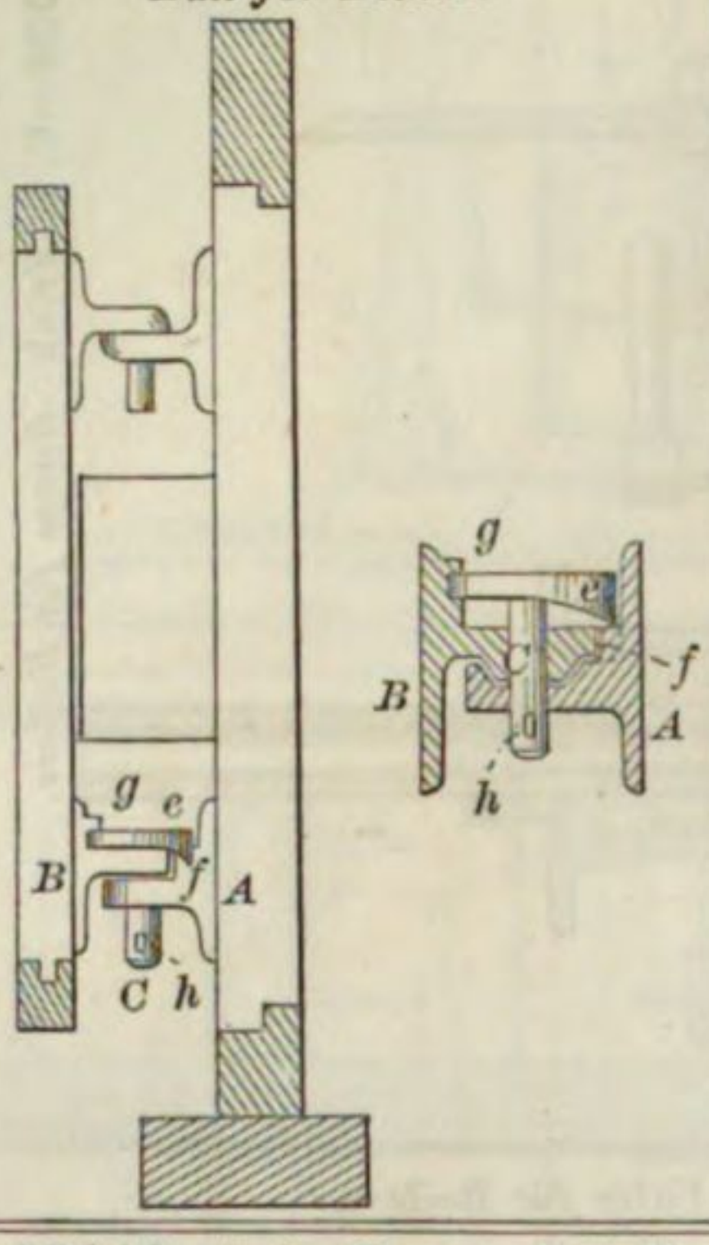
55641—S. Gardiner, Jr.—*Lighting Gas by Electricity.*



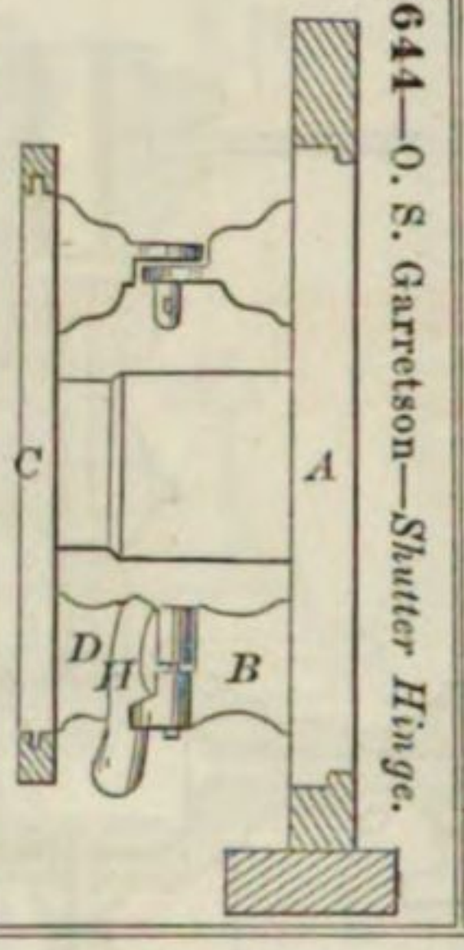
55642—S. Gardiner, Jr.—*Turning Gas Cocks by Electro-Magnetism.*



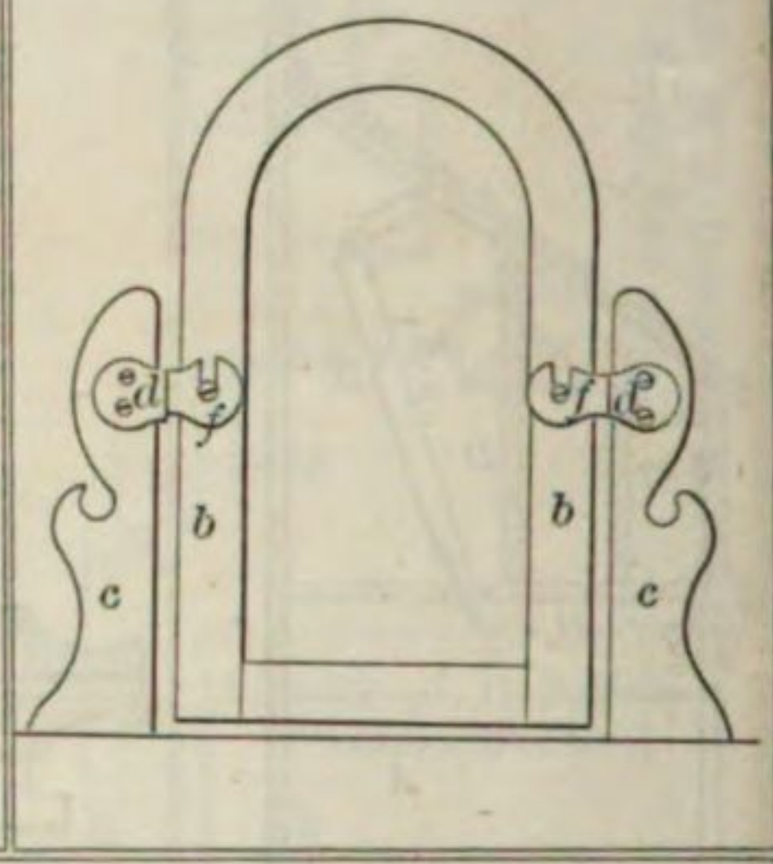
55643—O. S. Garretson—*Butt for Blinds.*



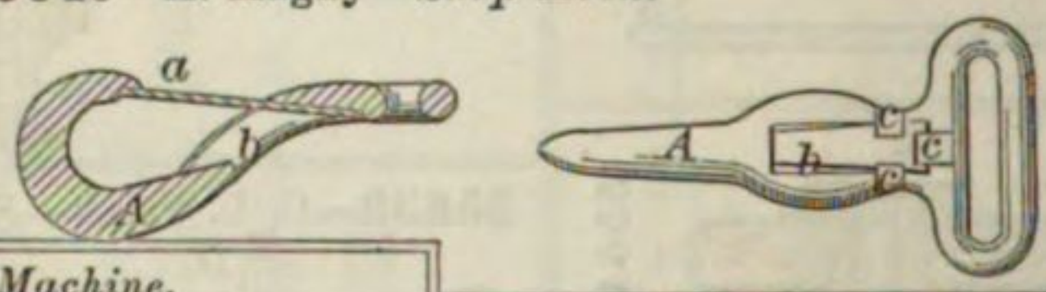
55644—O. S. Garretson—*Shutter Hinge.*



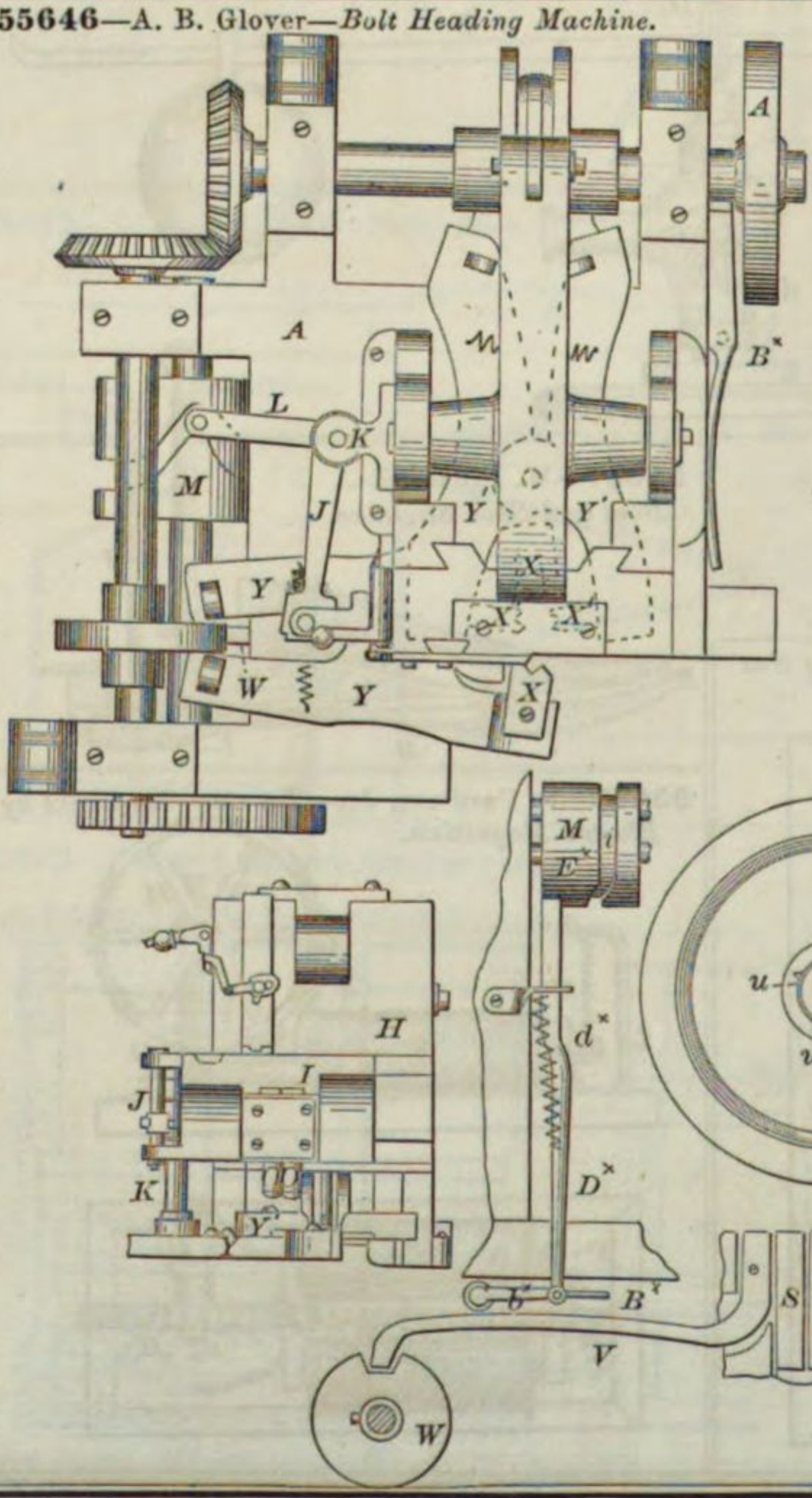
55647—J. S. & H. F. Gray—*For Hanging Mirrors.*



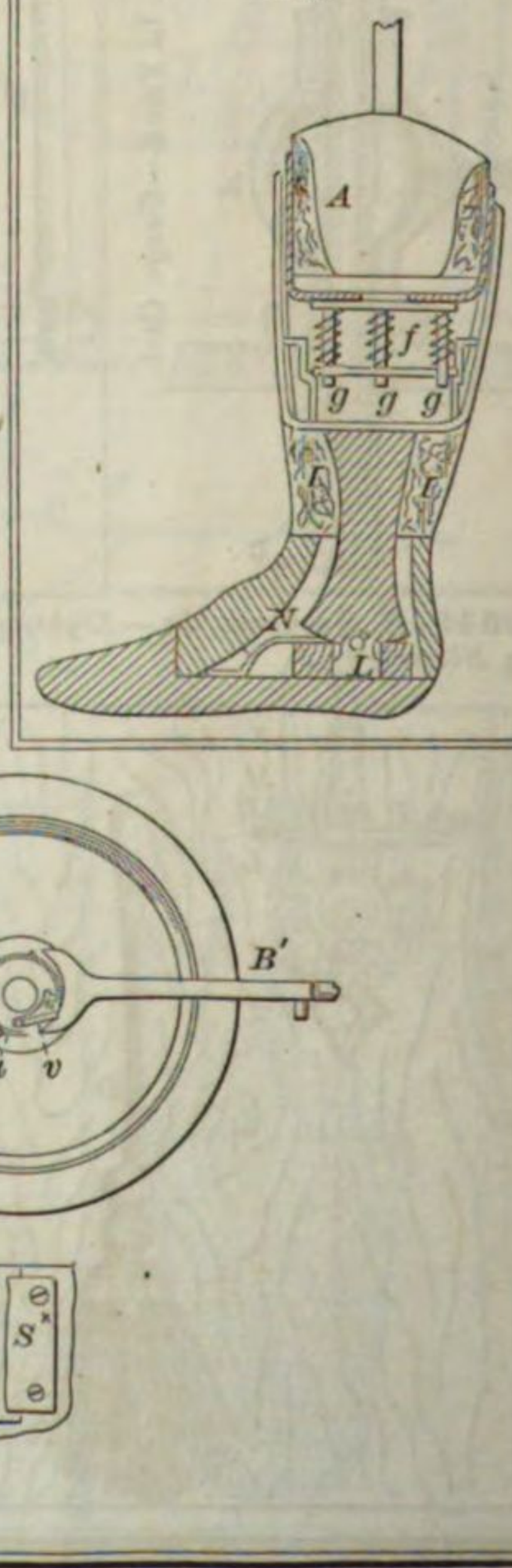
55648—A. Hagny—*Snap Hook.*



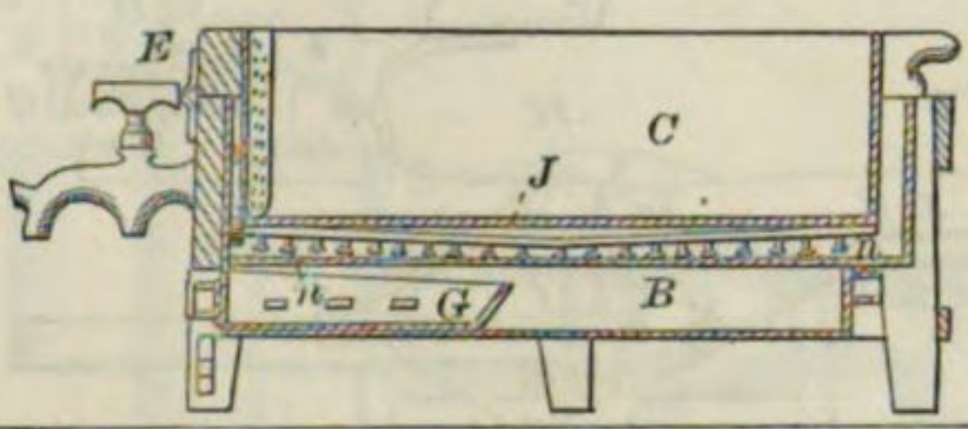
55646—A. B. Glover—*Bolt Heading Machine.*



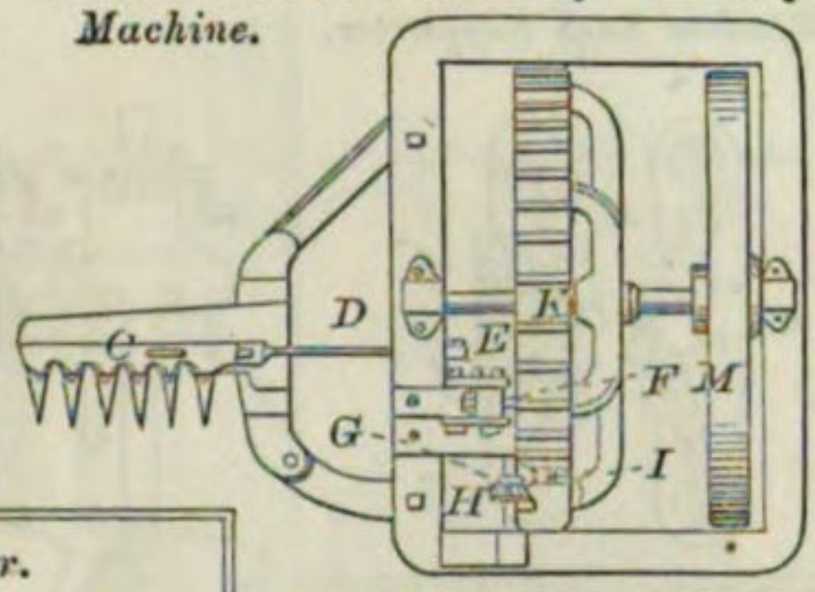
55645—D. Gilson—*Artificial Leg.*



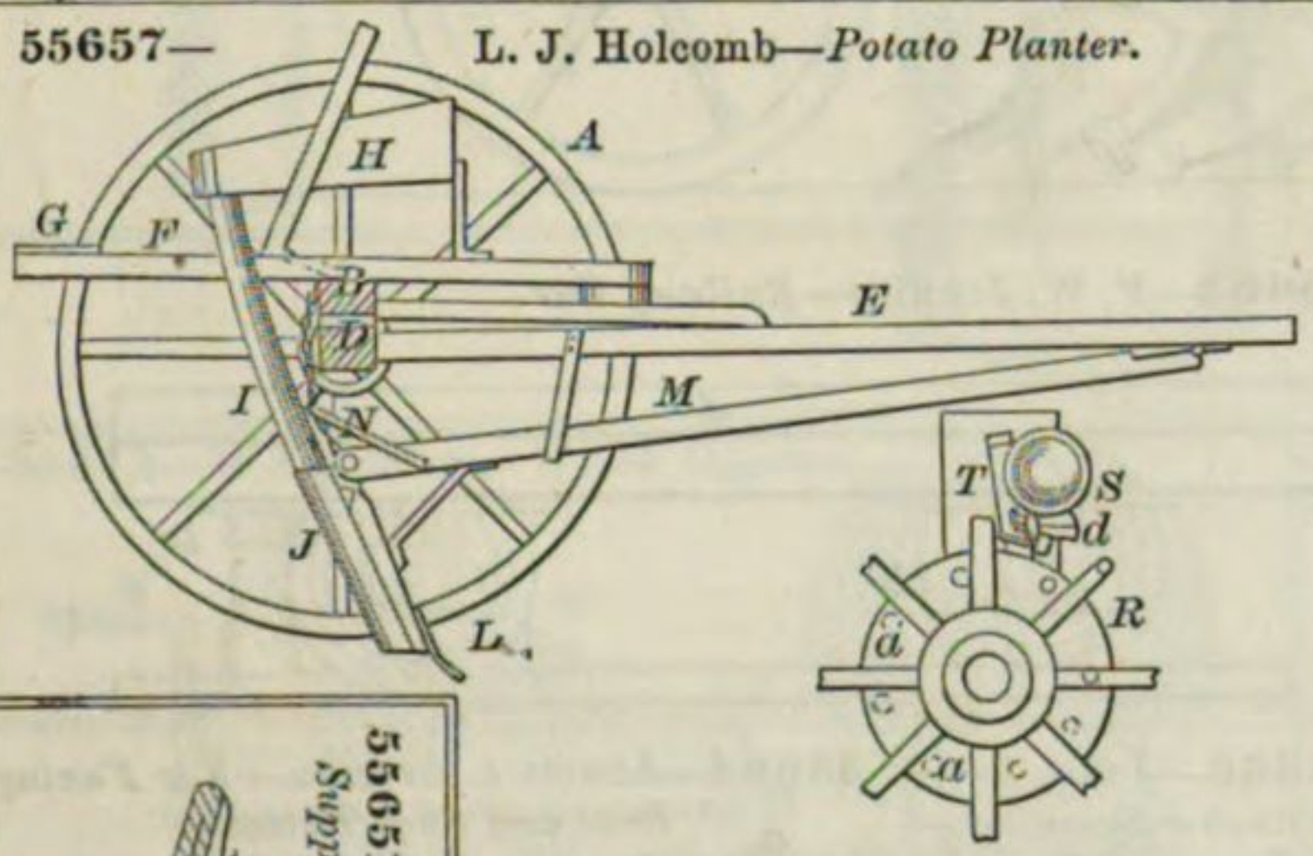
55649—L. C. Hains—*Cheese Vat.*



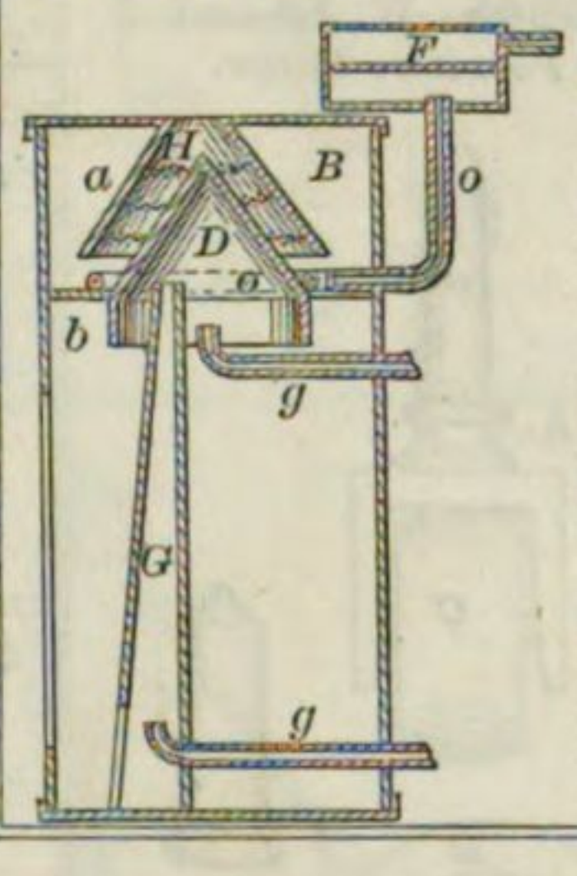
55654—E. & D. Hinchley—*Mowing Machine.*



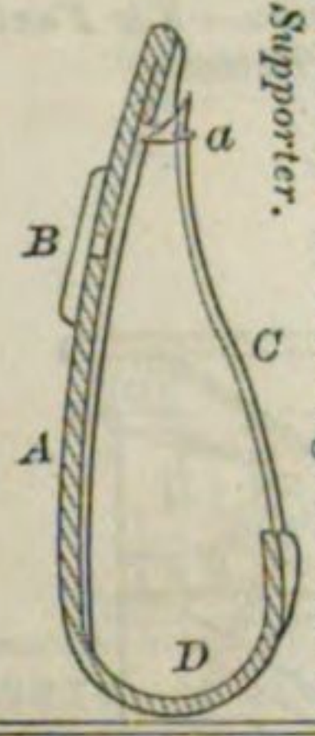
55657—L. J. Holcomb—*Potato Planter.*



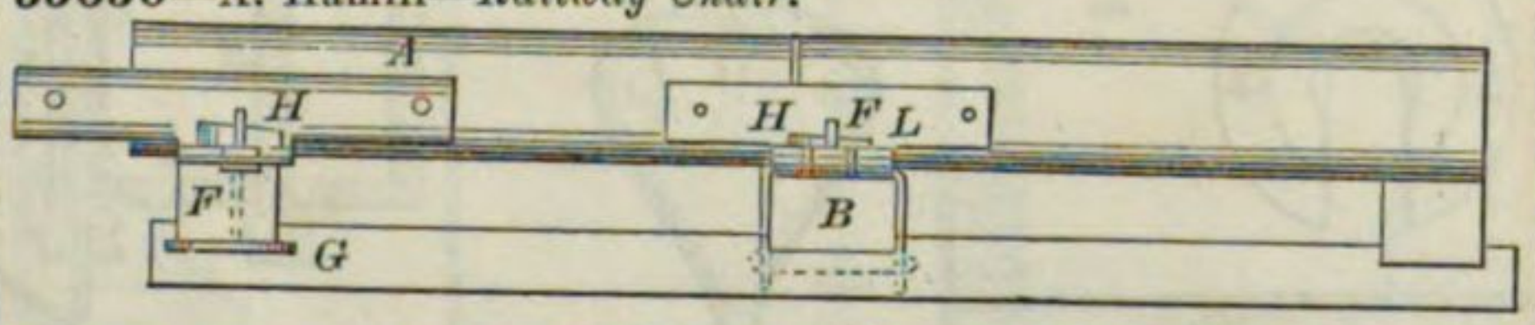
55652—D. G. Haskins—*Gas Stove.*



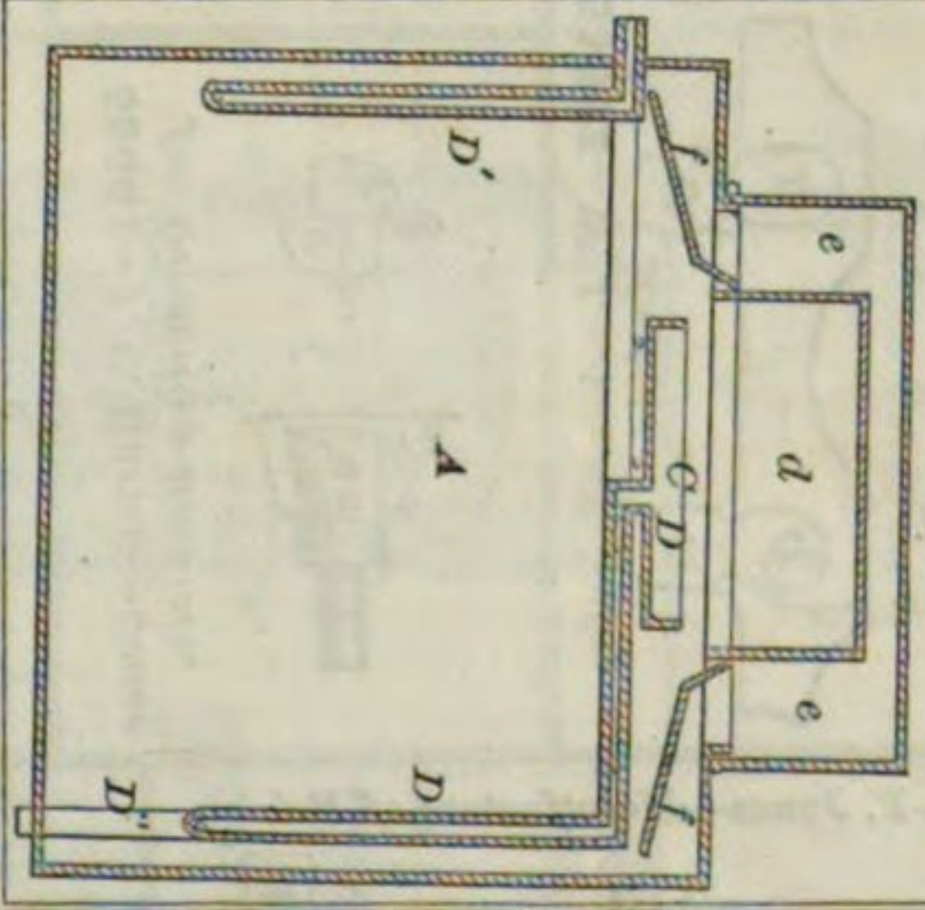
55651—P. V. Harrington—*Skirt Supporter.*



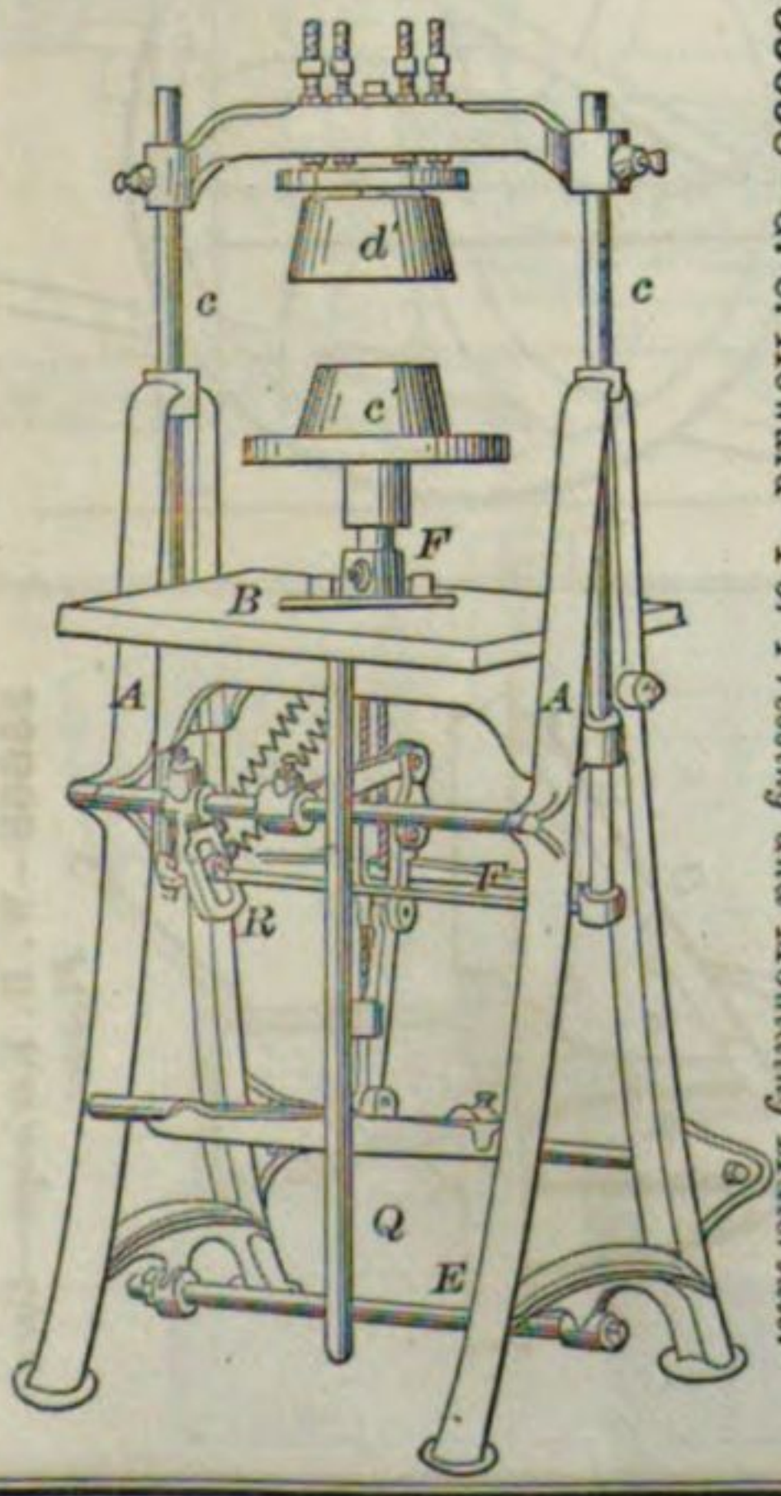
55650—A. Hamill—*Railway Chair.*



55655—A. A. Hinkley—*Refrigerator.*

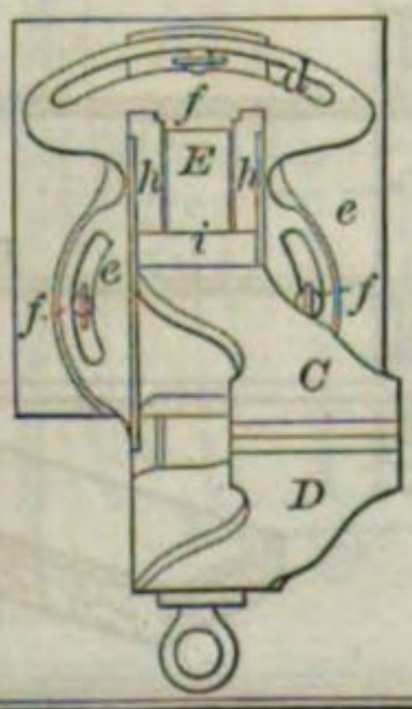


55658—G. C. Howard—*For Pressing and Moulding Materials.*

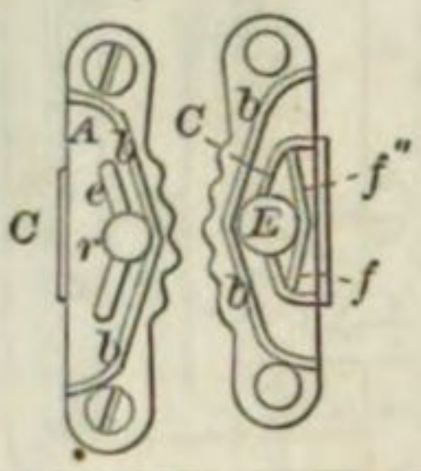


55653—A. Hatch—*Fishing Reel.*

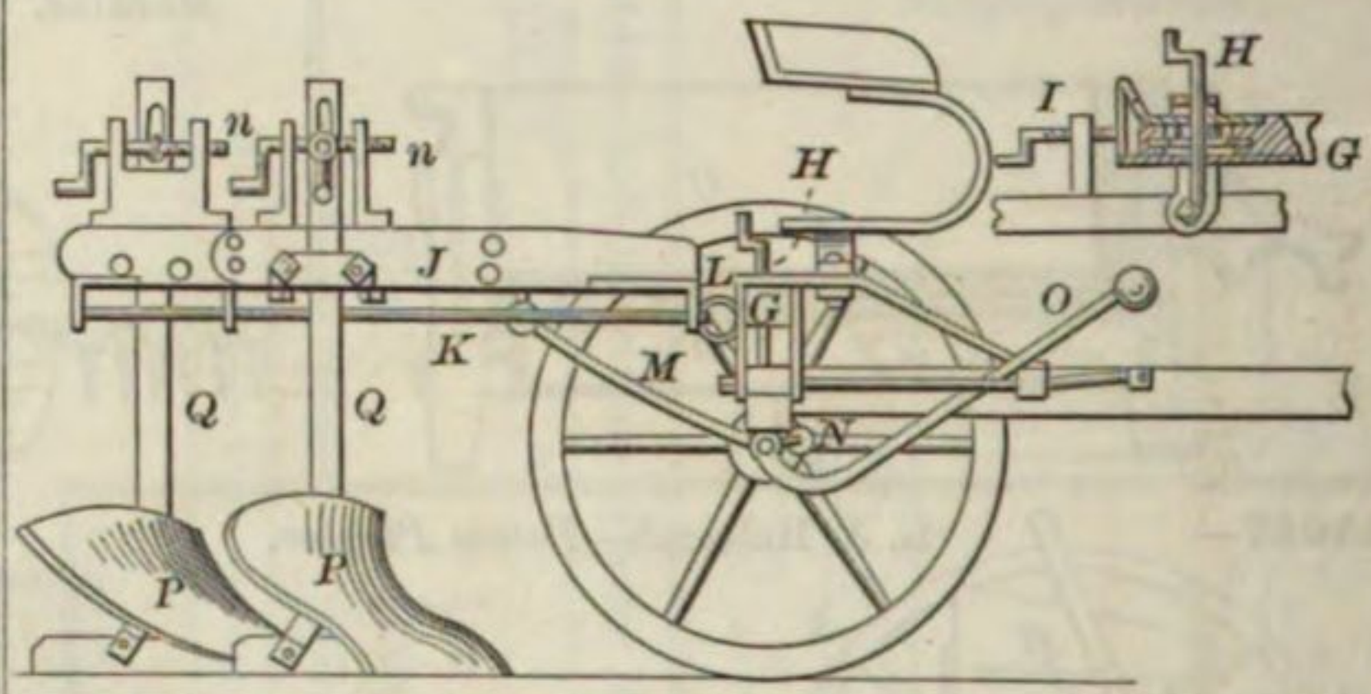
55656—J. S. Hoar—*Bench Vise.*



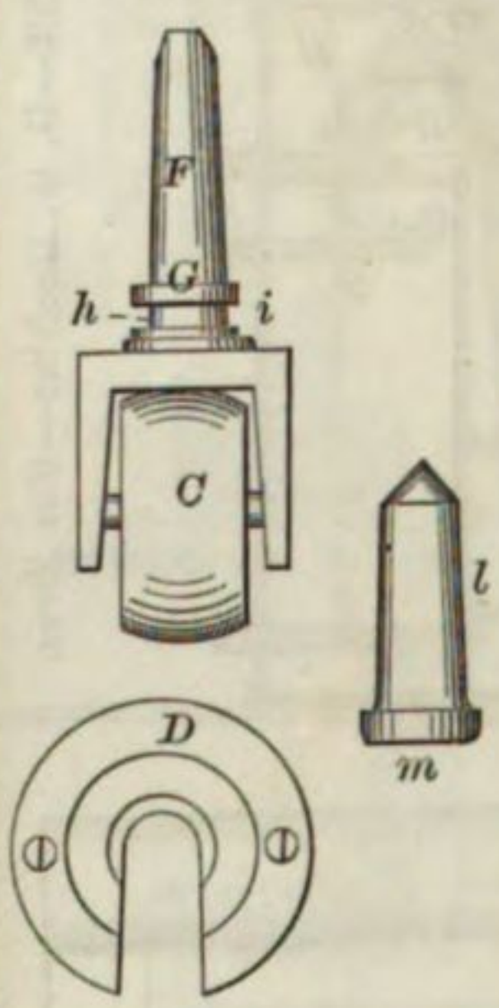
55659—H. C. Hunt—*Window Sash Supporter.*



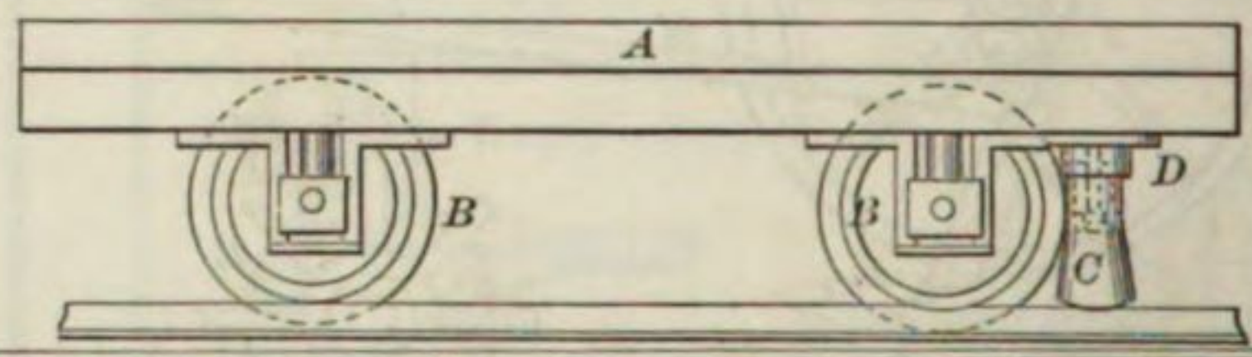
55660—J. B. Hunter—*Gang Plow.*



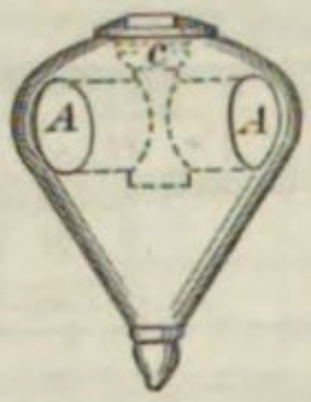
55665—W. Johnson—*Furniture Caster.*



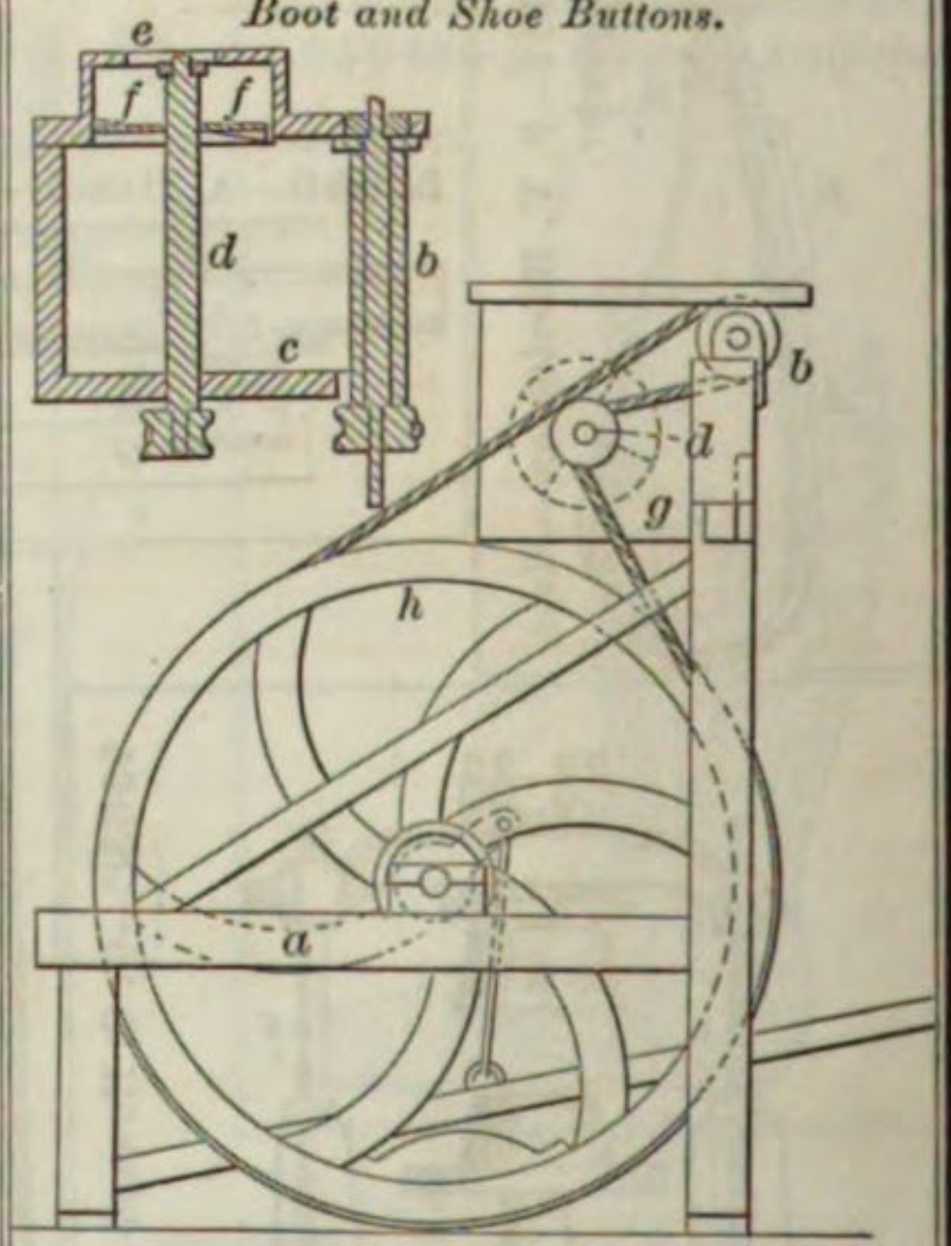
55663—F. W. Jenkins—*Railway Car.*



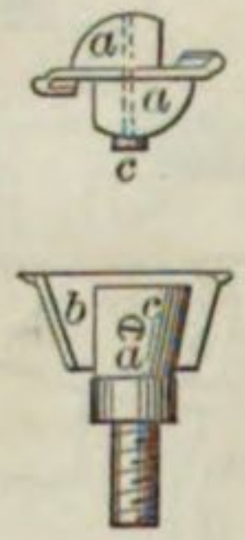
55666—Jones & Kitson—*Spinning Top.*



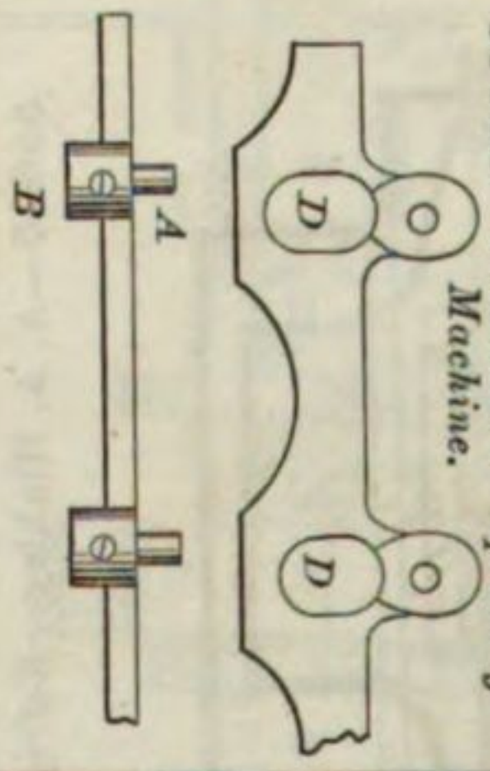
55664—Jewett & Everson—*For Facing Boot and Shoe Buttons.*



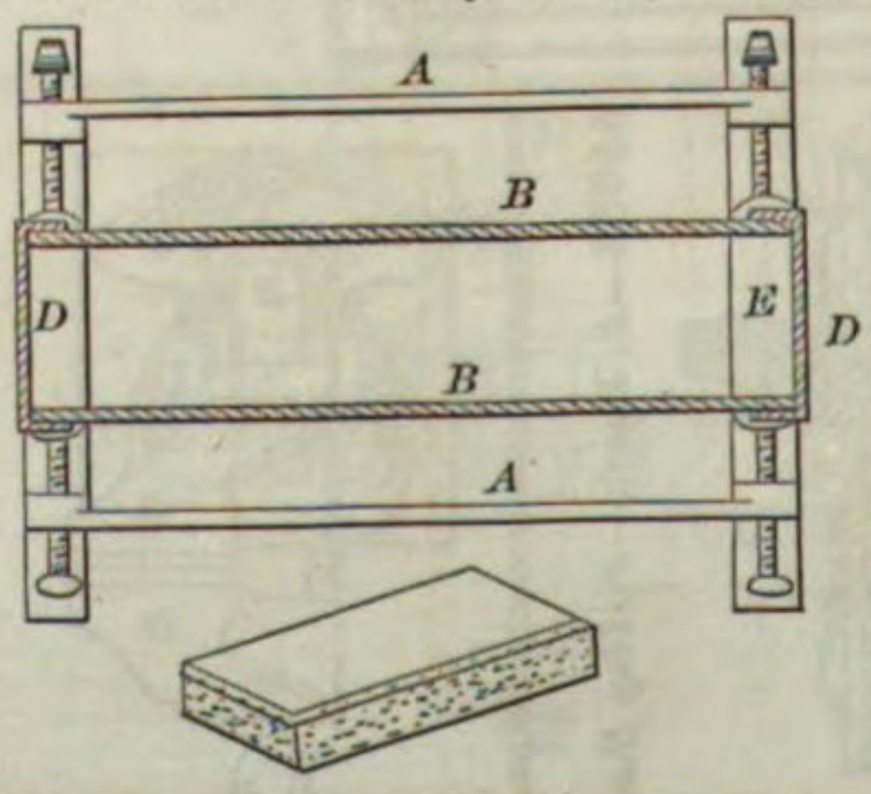
55661—J. C. Hursell—*Cutter for Dovetailing Machines.*



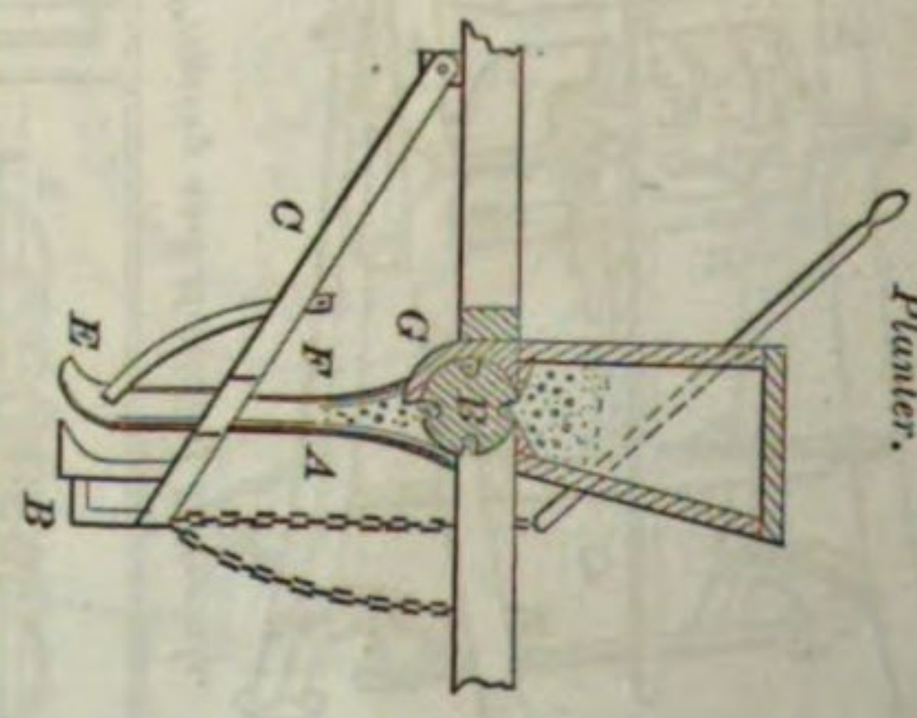
55662—W. Jenckes—*Spinning Machine.*



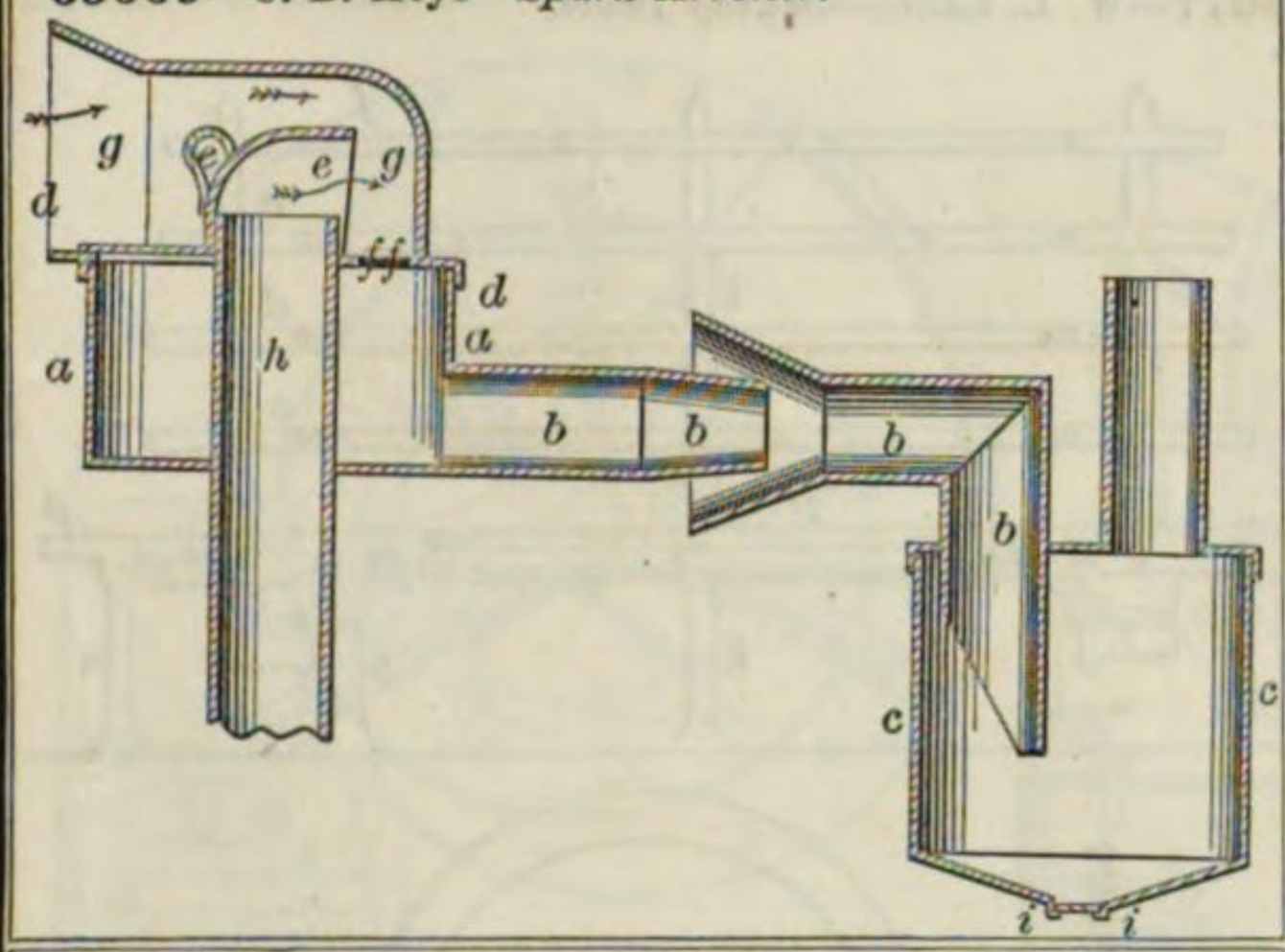
55667—F. Jones—*Manufacture of Bricks.*



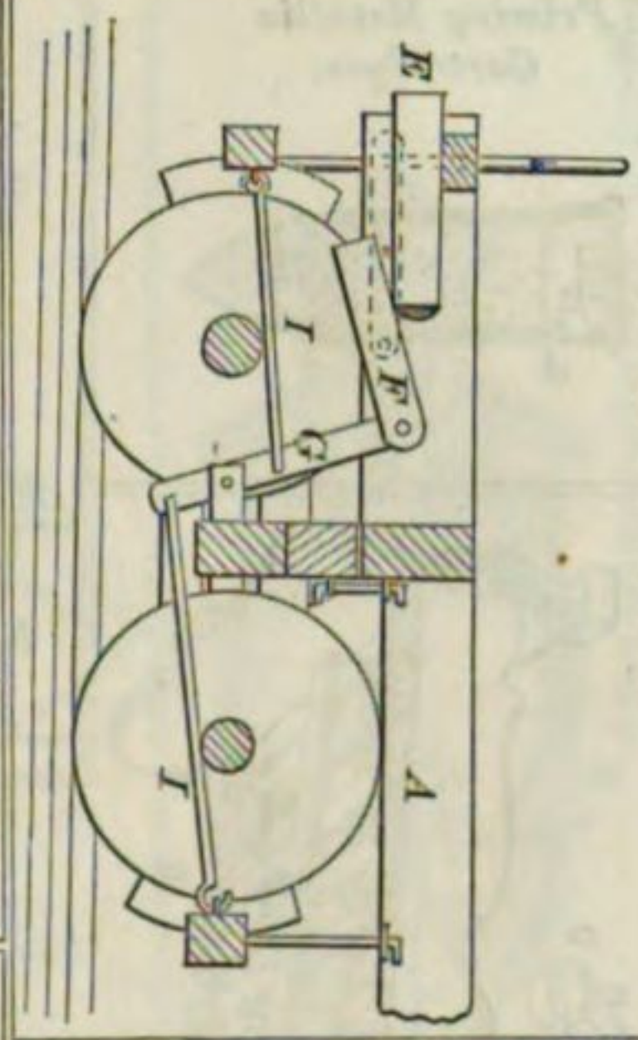
55668—W. H. Karicope—*Corn Planter.*



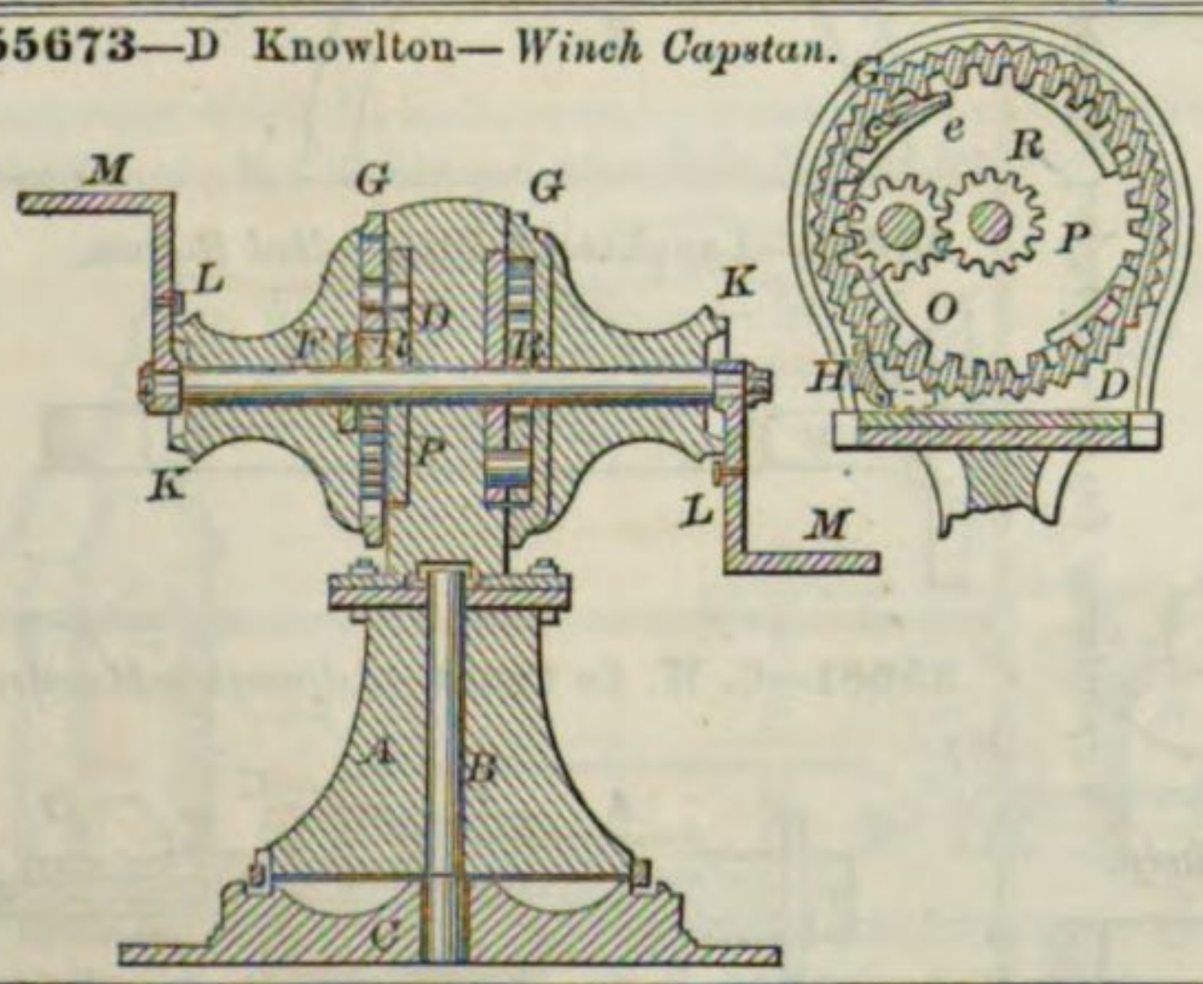
55669—C. B. Keys—*Spark Arrester.*



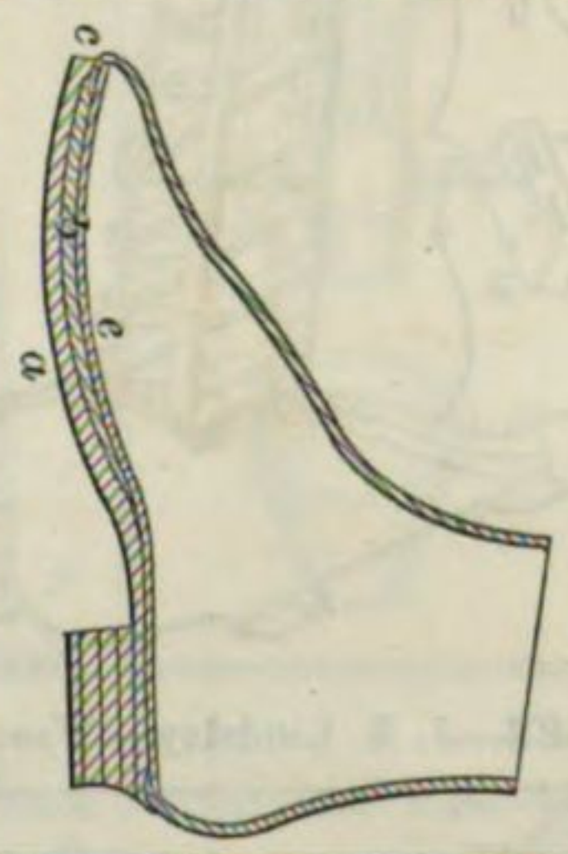
55670—W. H Kilburn—*Car Brake.*



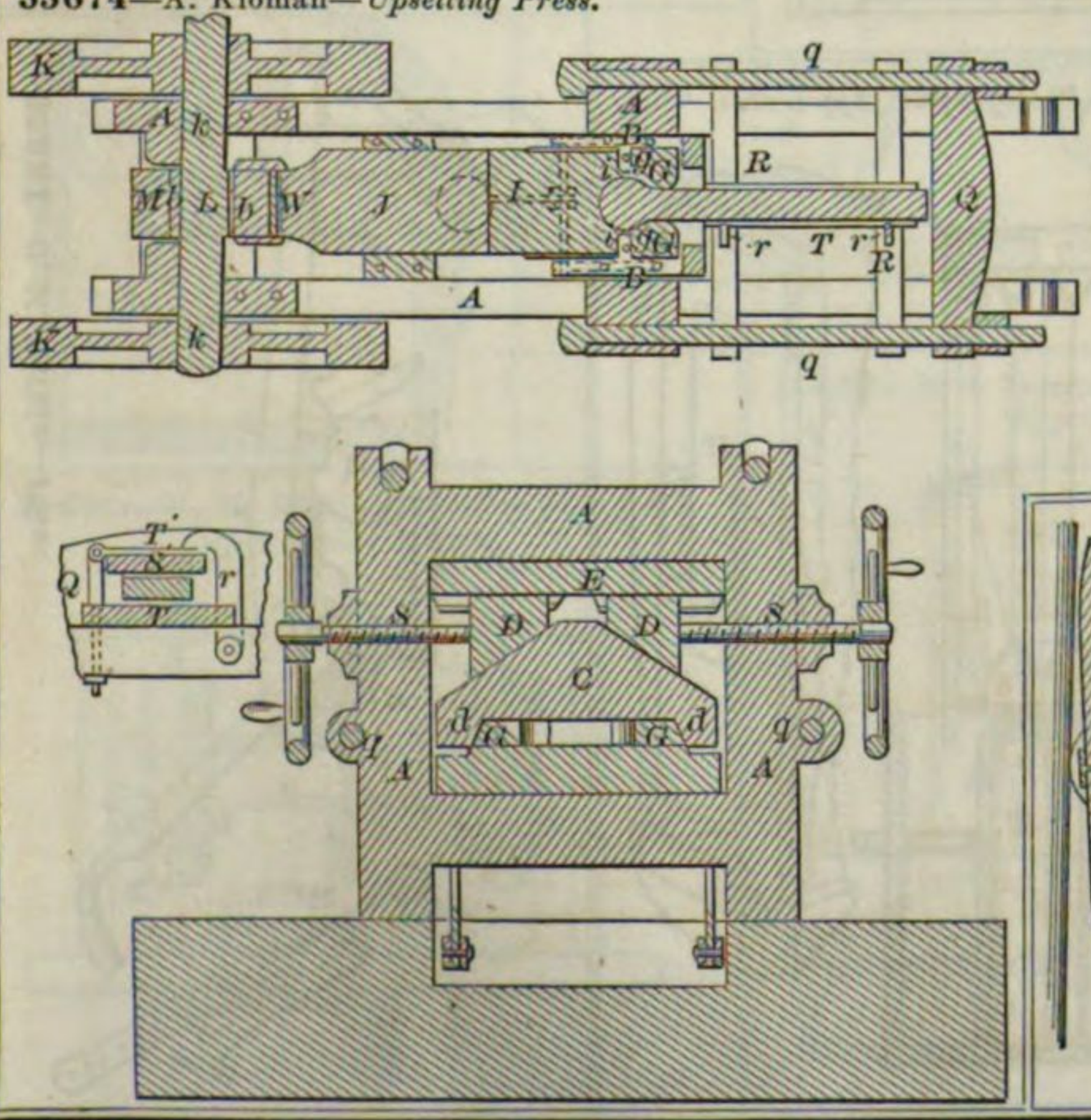
55673—D Knowlton—*Winch Capstan.*



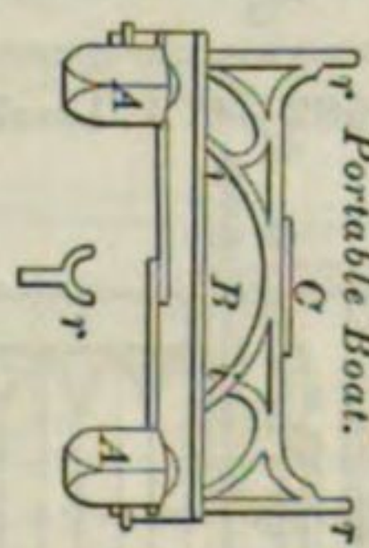
55671—J. Kimball—*Boots and Shoes.*



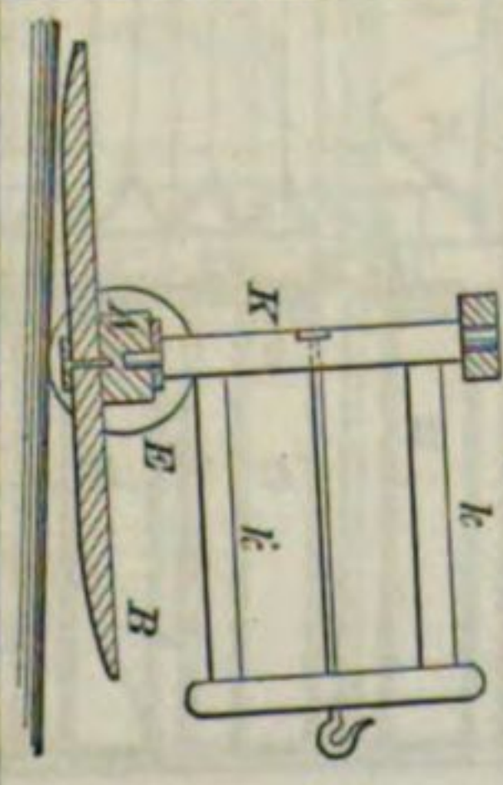
55674—A. Kloman—*Upsetting Press.*



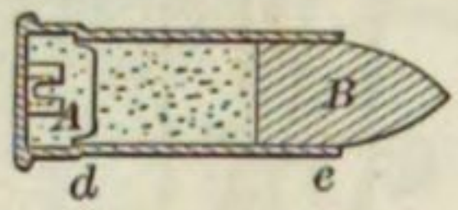
55675—Knudsen & Lassoe—*Portable Boat.*



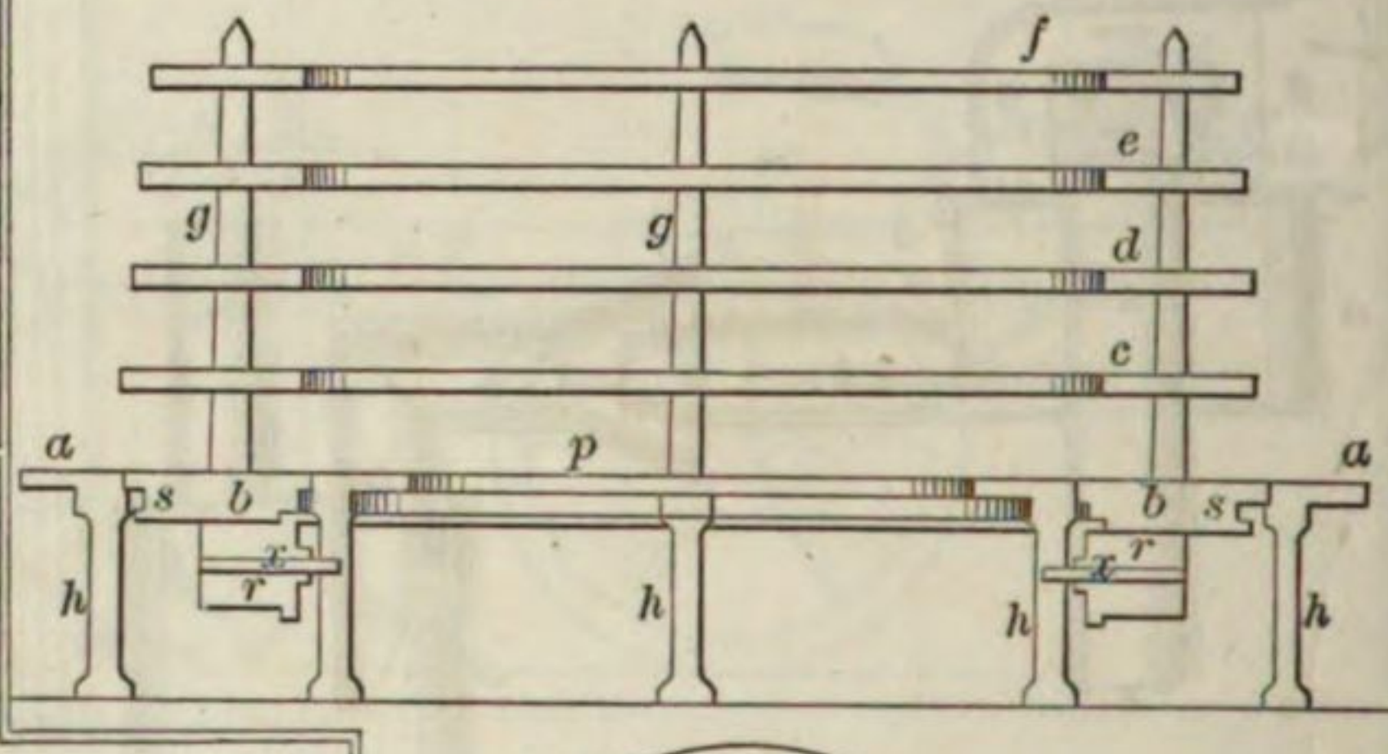
55672—J. King—*Horse Rake.*



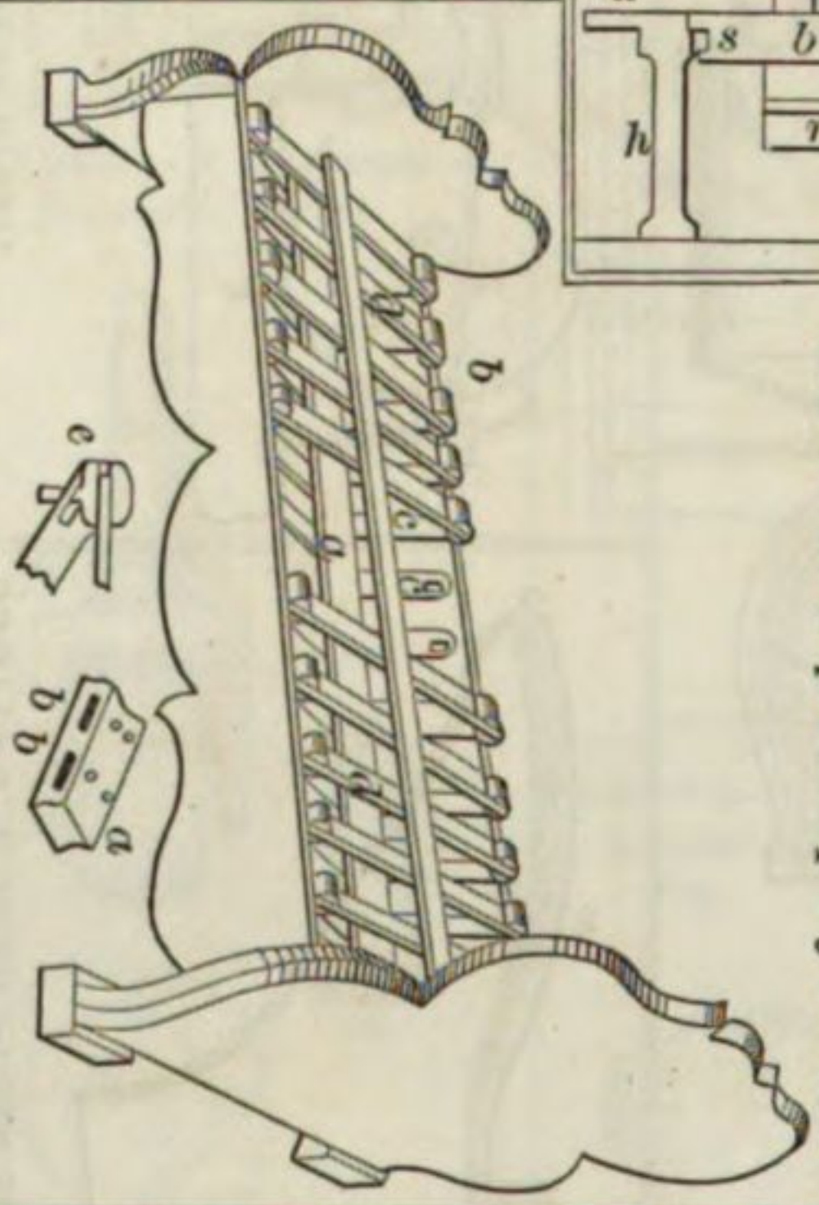
55676—T. T. S. Laidley—*Priming Metallic Cartridges.*

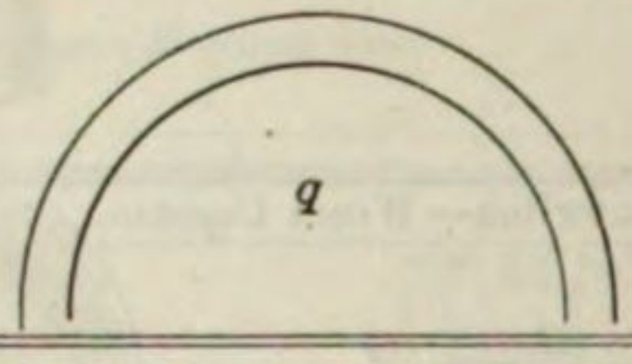


55677—W. L. Lance—*Sewing Table.*

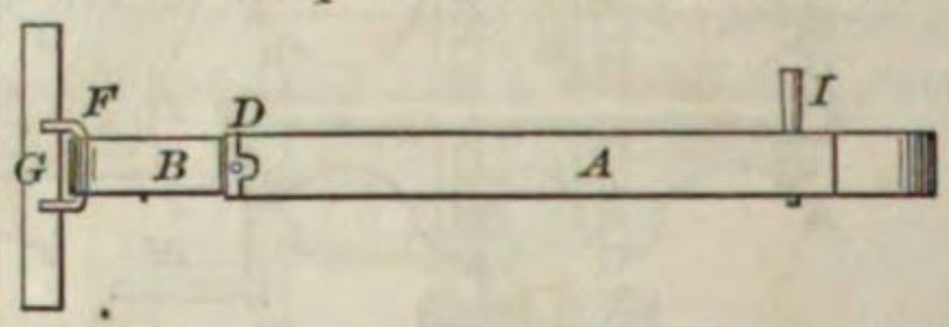


55680—R. Lapham—*Spring Bedstead.*

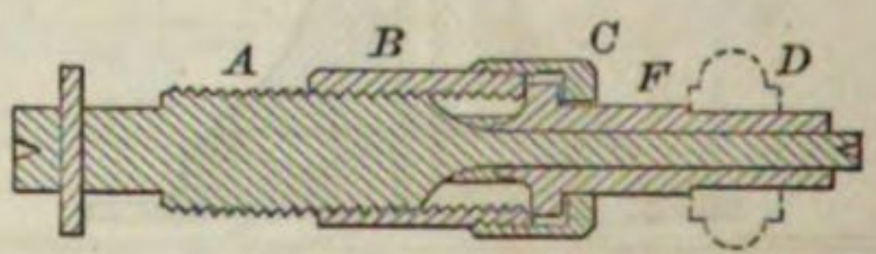




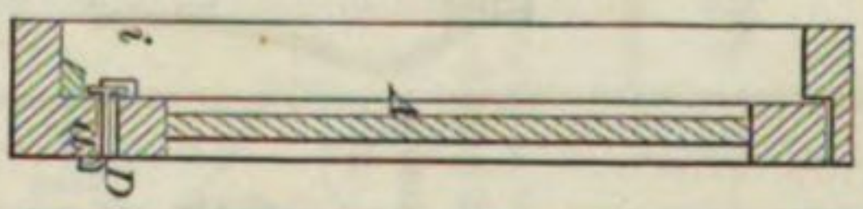
55678—Lauphear & Blair—*Bed Bottom.*



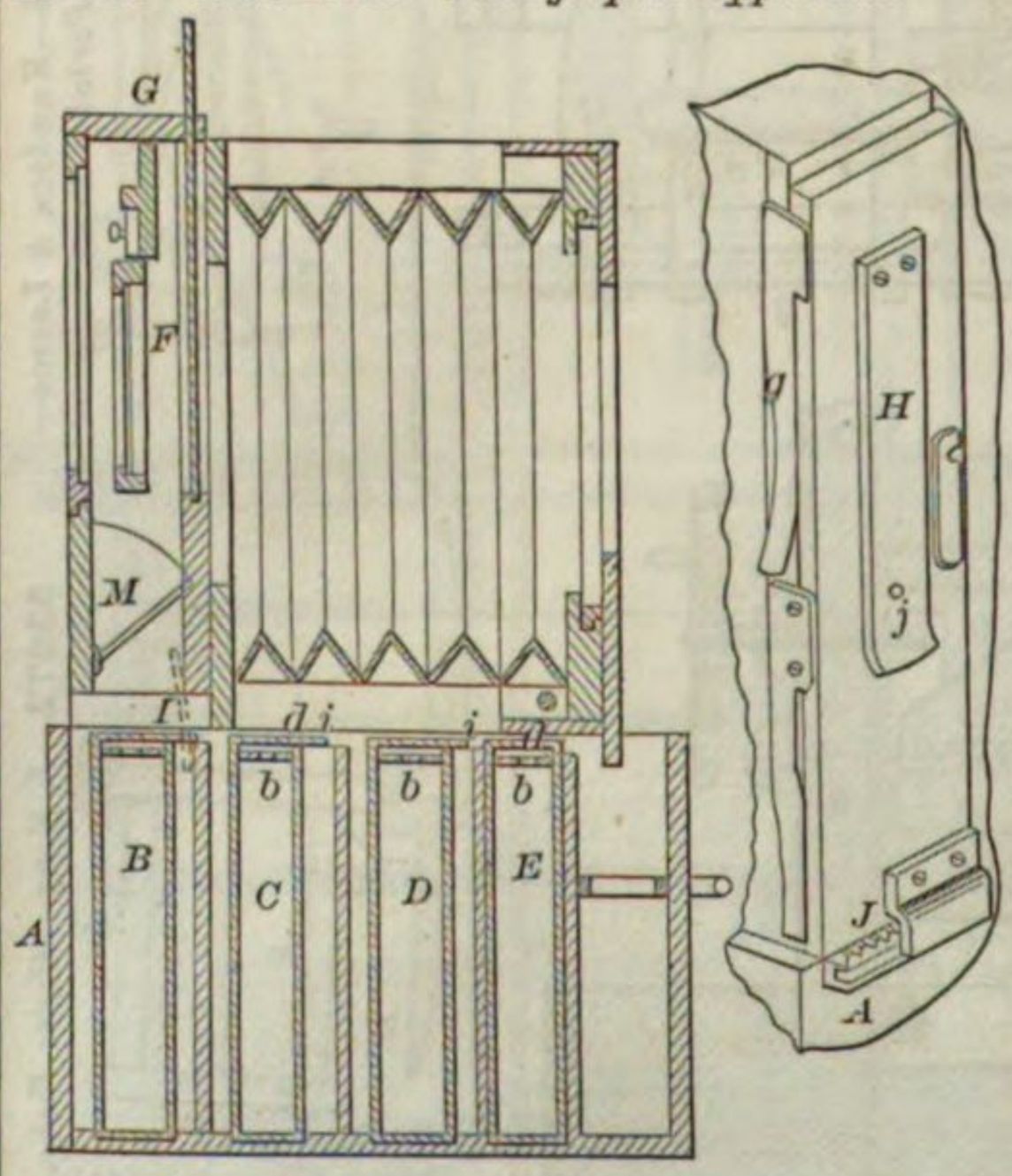
55681—C. W. Le Count—*Adjustable Mandrel.*



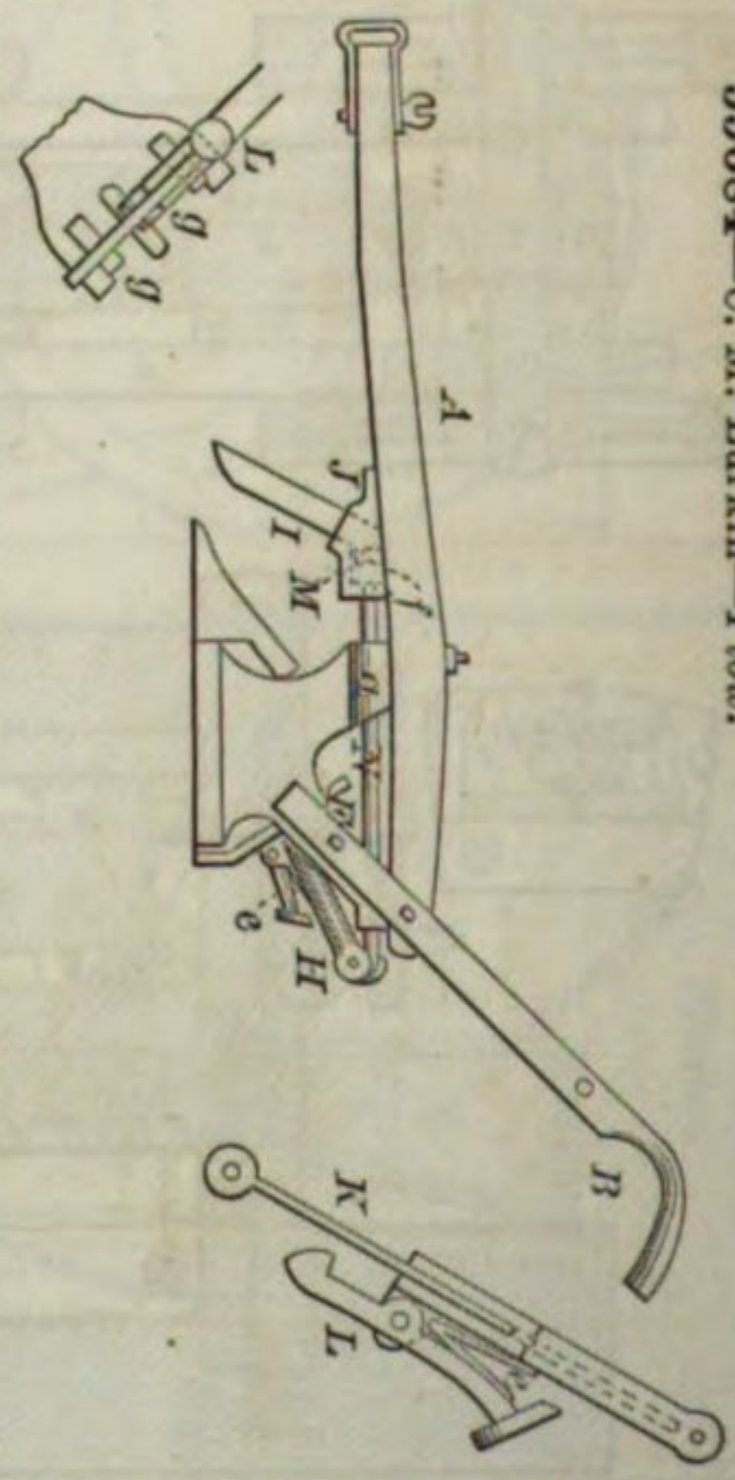
55683—J. E. Lindsley—*Weather Strip.*



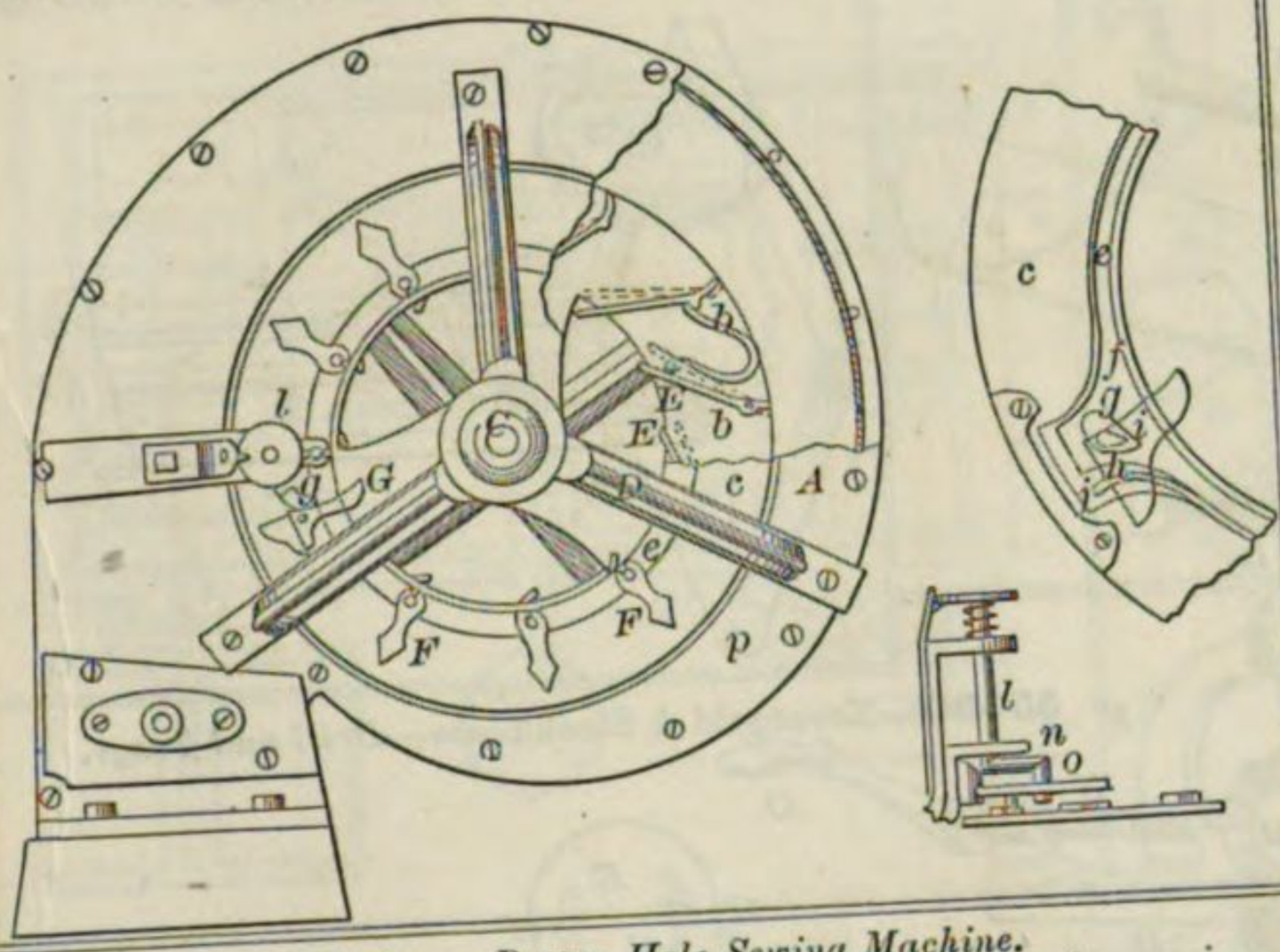
55682—C. A. Leech—*Photographic Apparatus.*



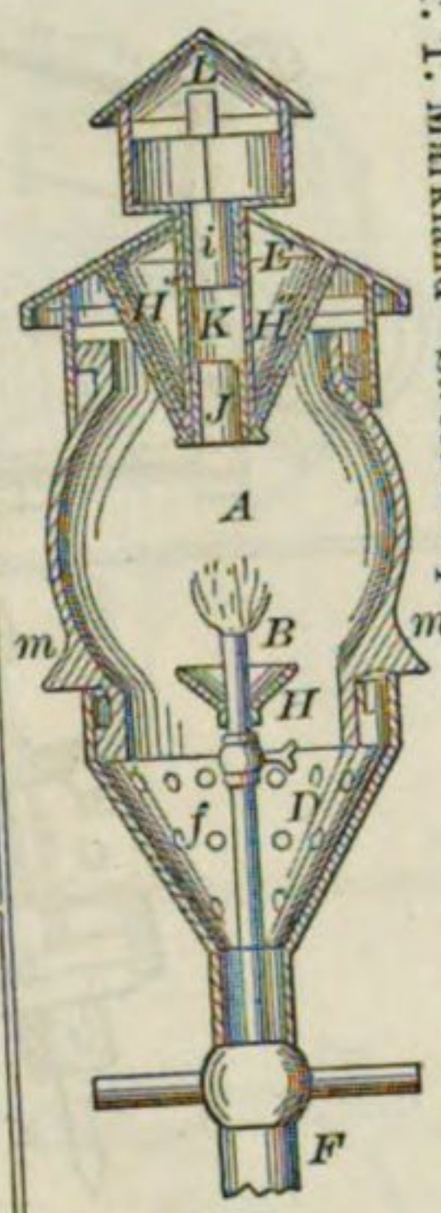
55684—C. M. Lufkin—*Plow.*



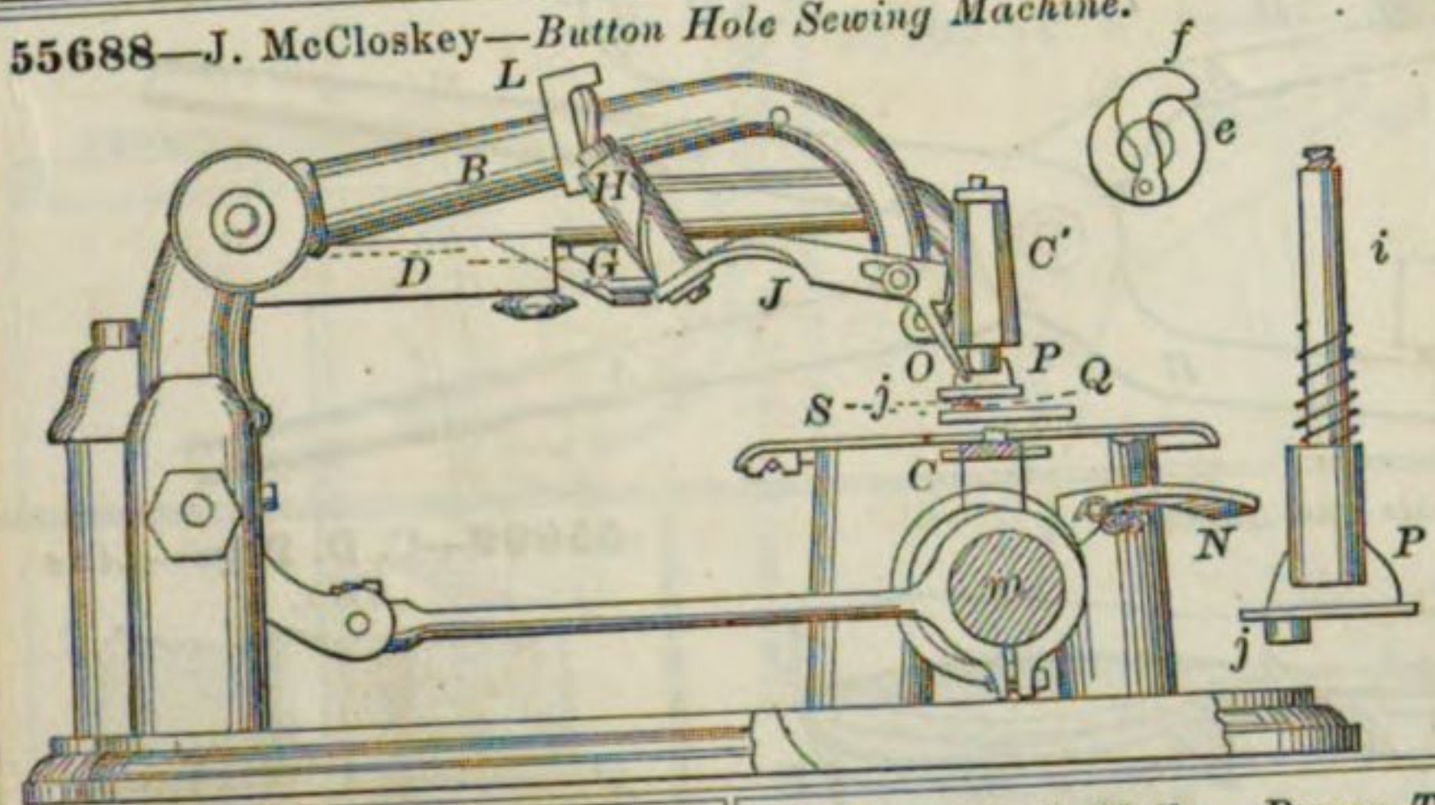
55685—T. H. Mahler—*Water Wheel.*

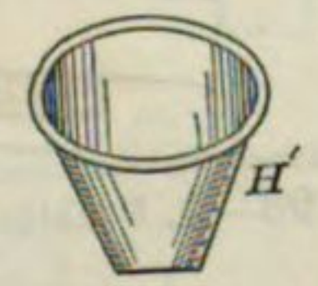


55686—T. T. Markland—*Street Lamp.*

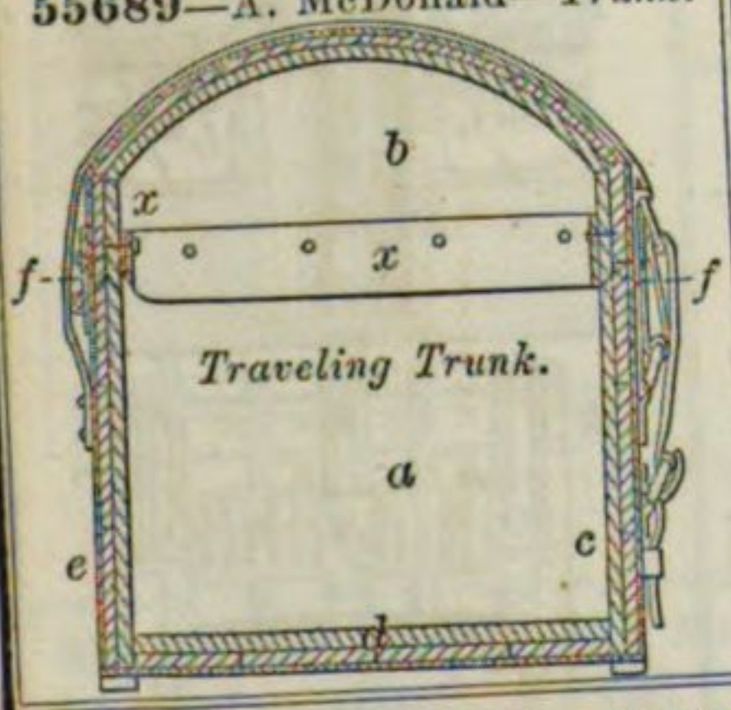


55688—J. McCloskey—*Button Hole Sewing Machine.*

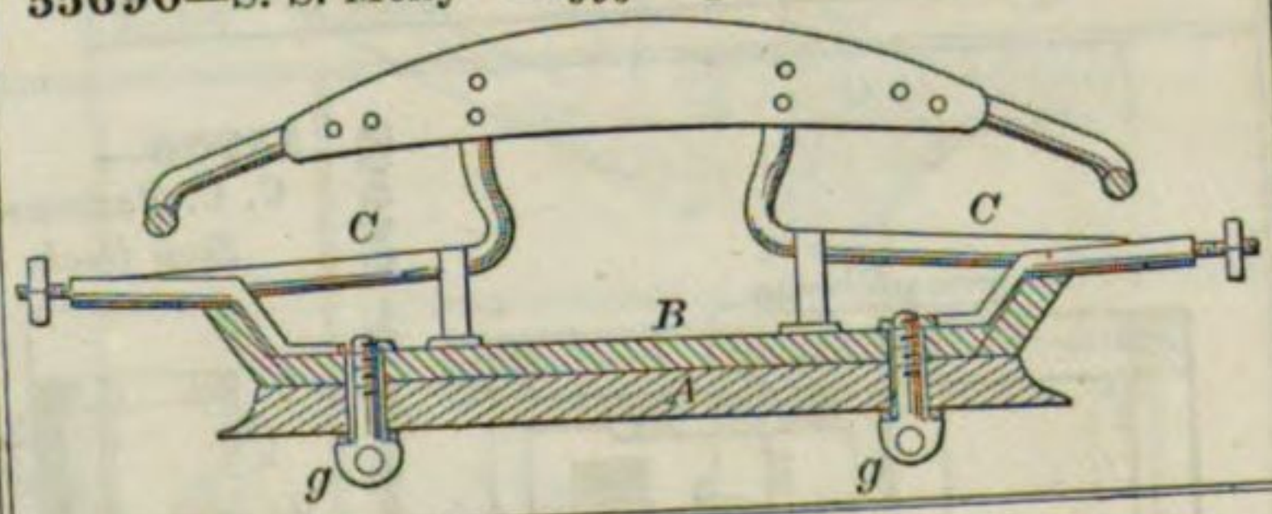




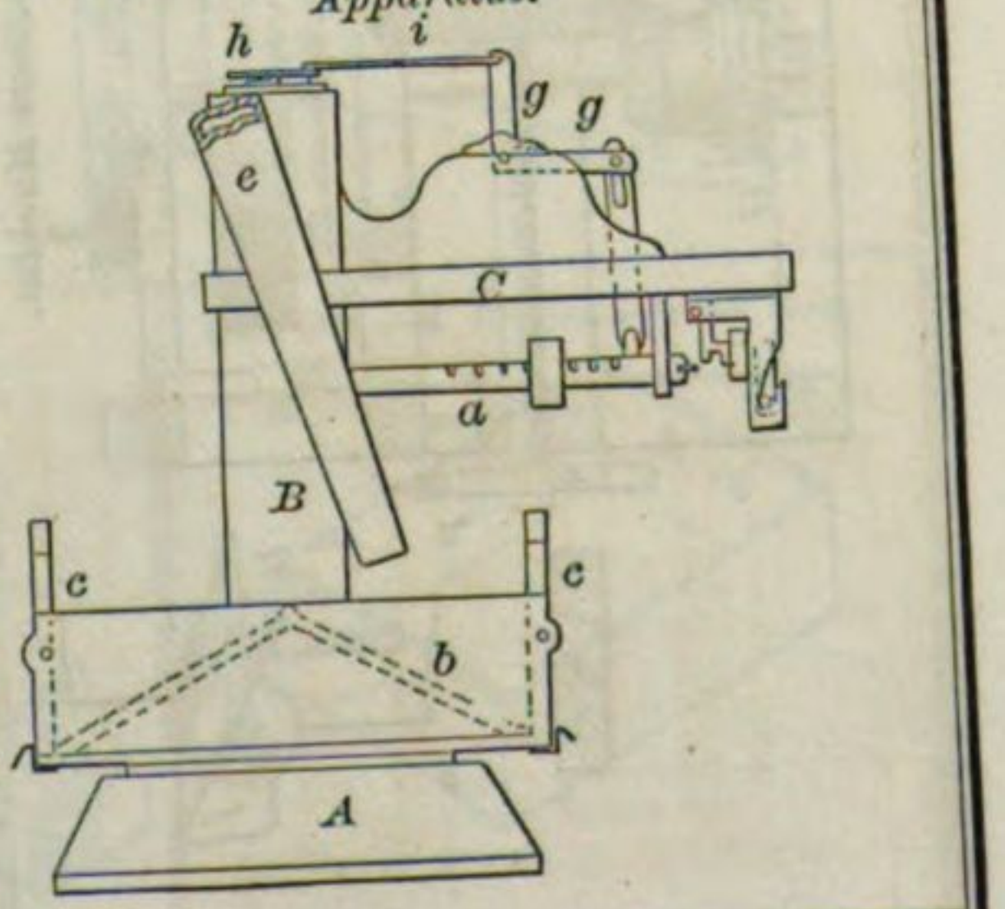
55689—A. McDonald—*Trunk.*



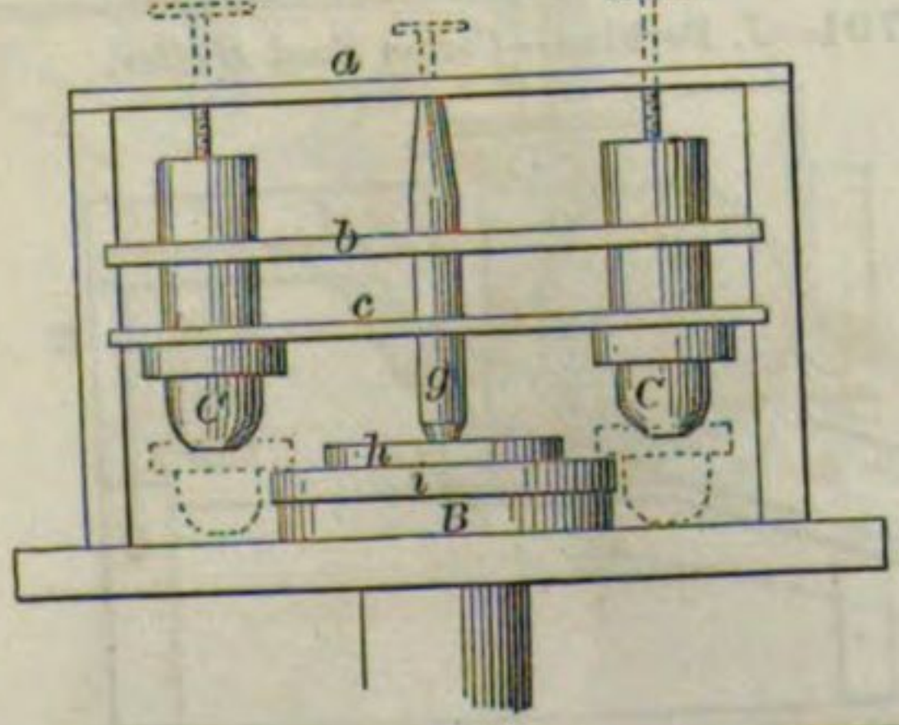
55690—S. S. Meily—*Buggy Top.*



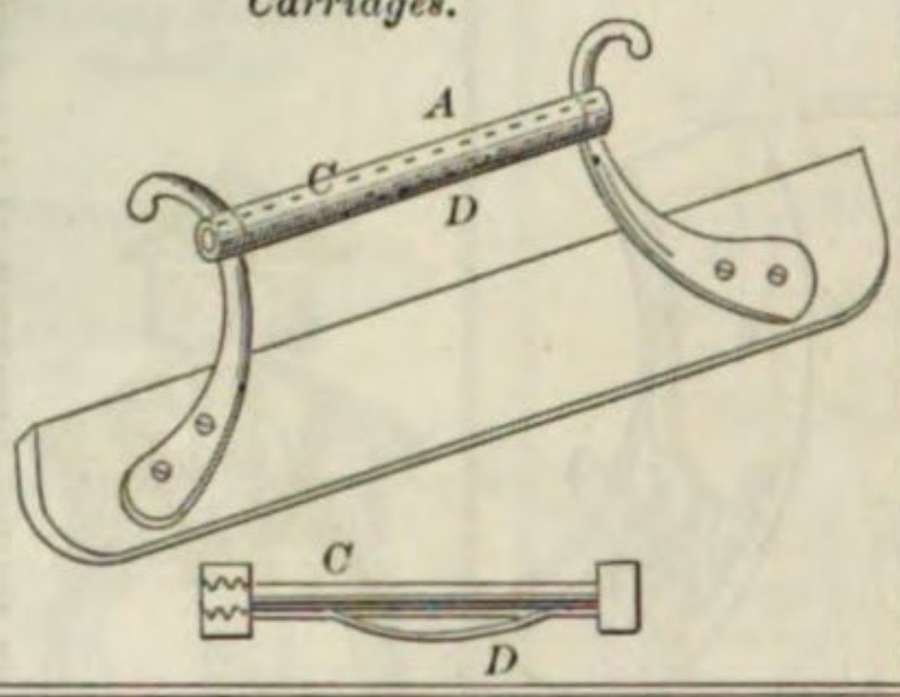
55691—R. S. Morrison—*Grain Weighing Apparatus.*



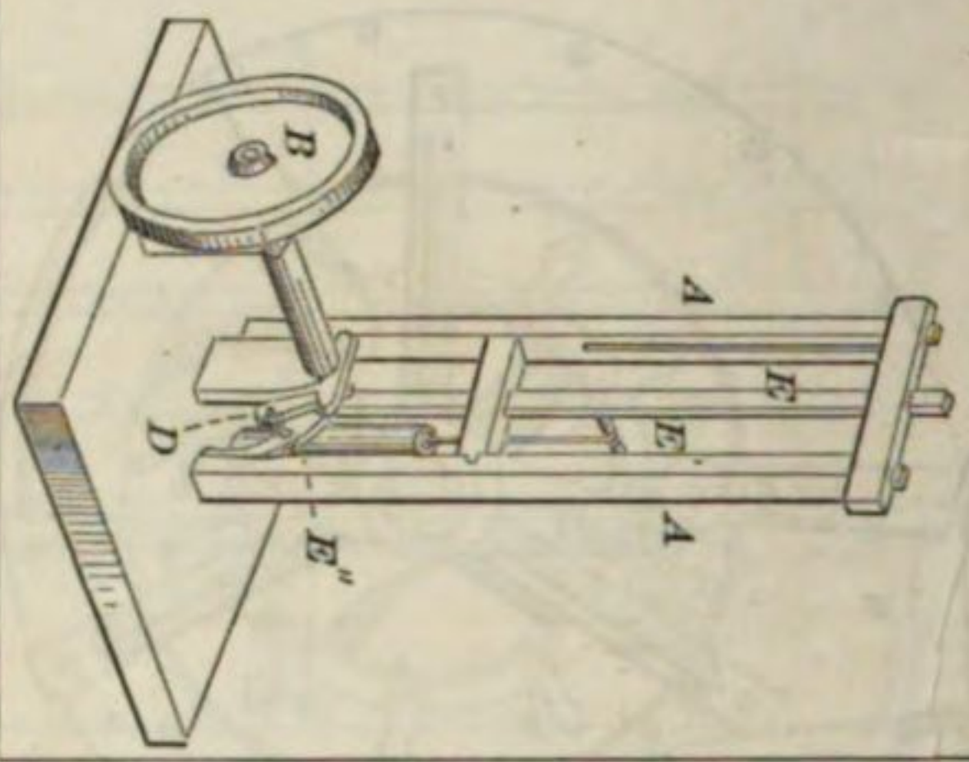
55687—W. W. Martin—*Bending Flanges upon Boiler Heads.*



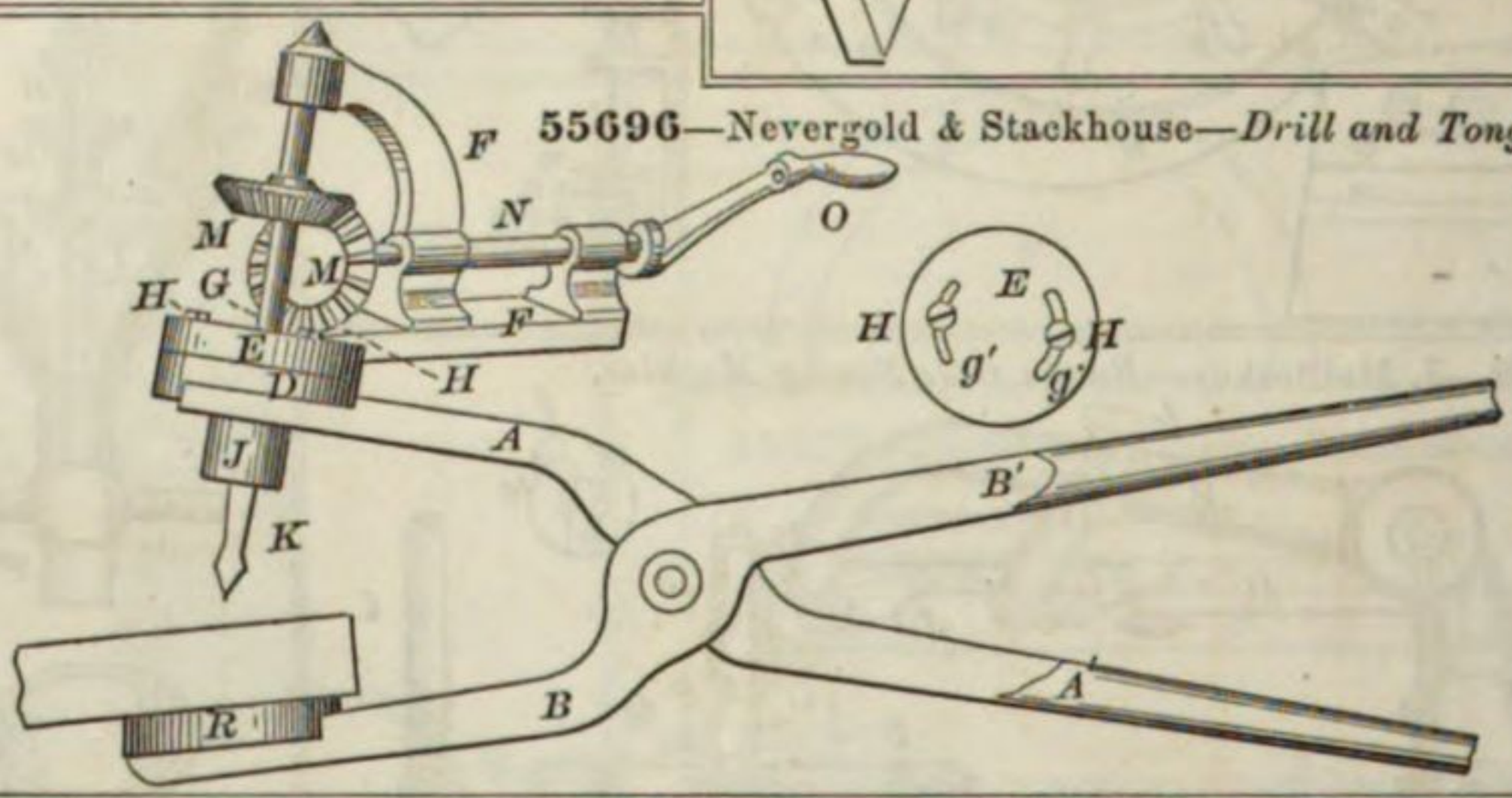
55692—F. B. Morse—*Rub Iron for Carriages.*



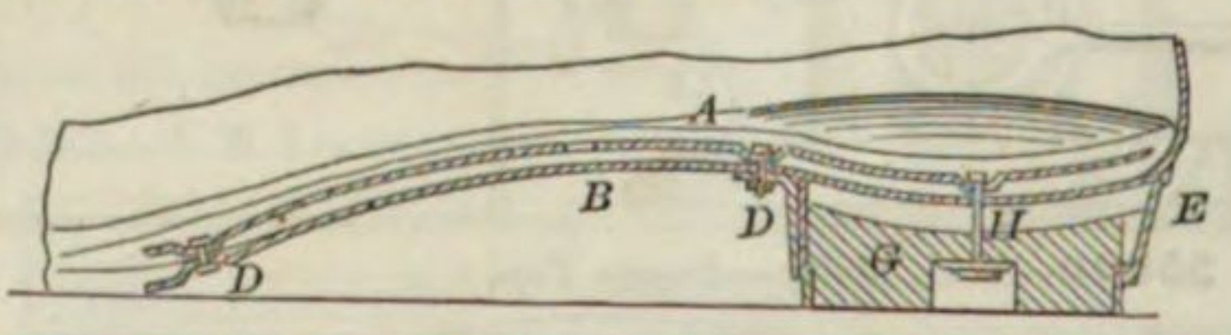
55693—G. Mott—*Well Drilling Machine.*



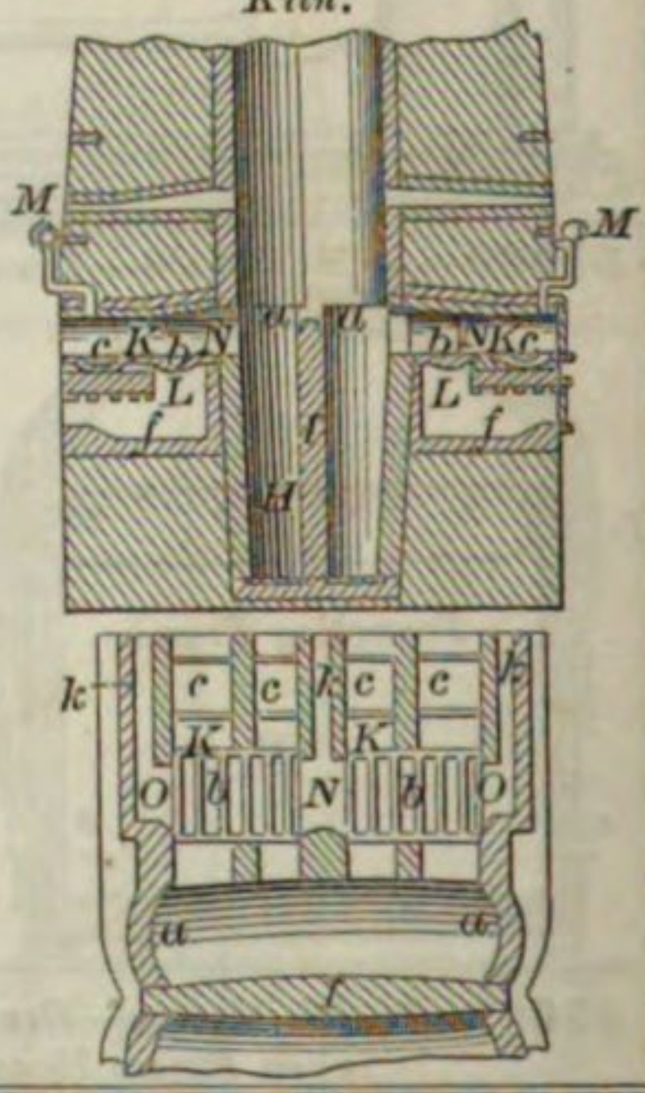
55696—Nevergold & Stackhouse—*Drill and Tongs.*



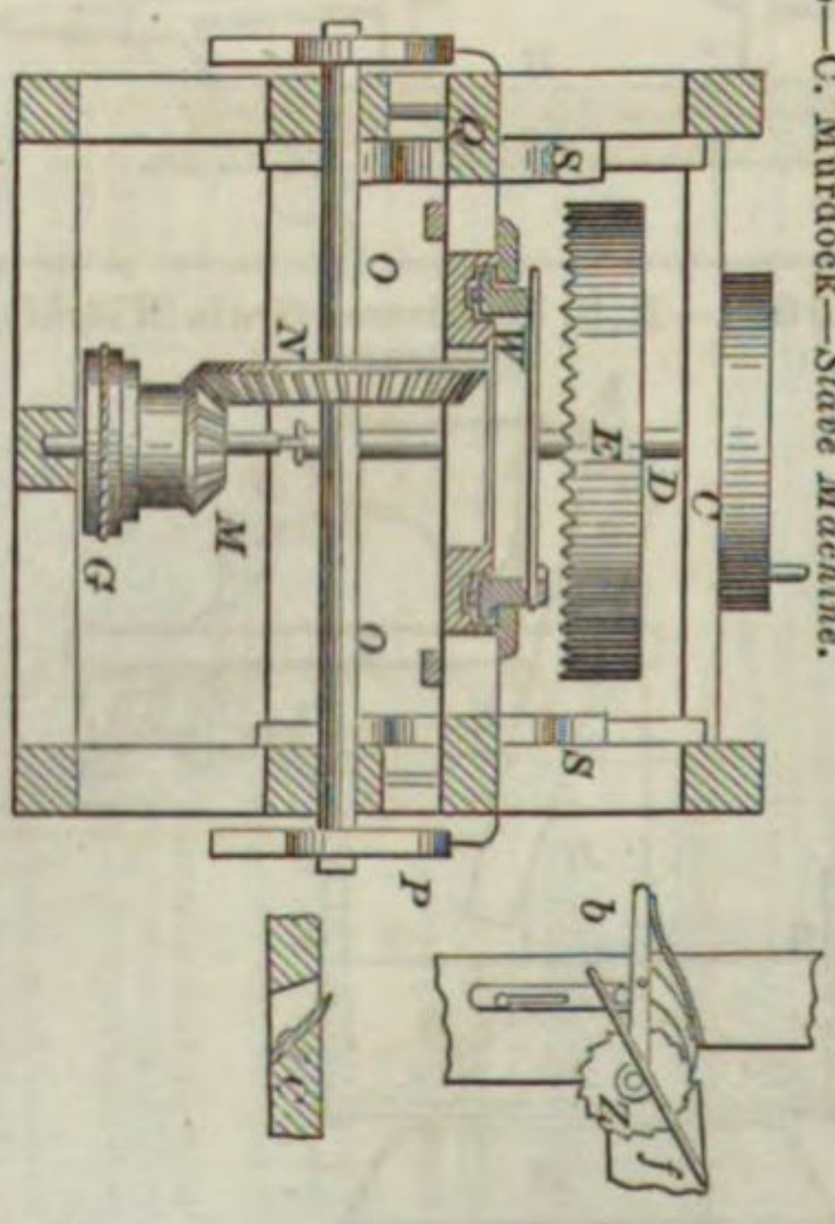
55698—O. Pacalin—*Boots and Shoes.*



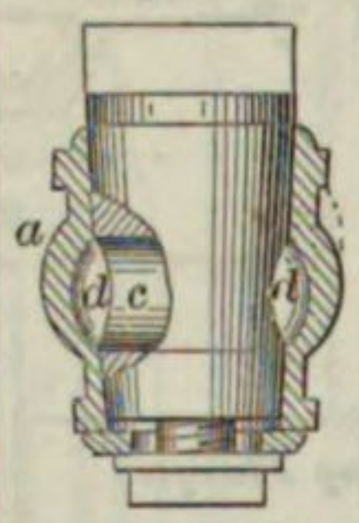
55699—C. D. Page—*Lime Kiln.*



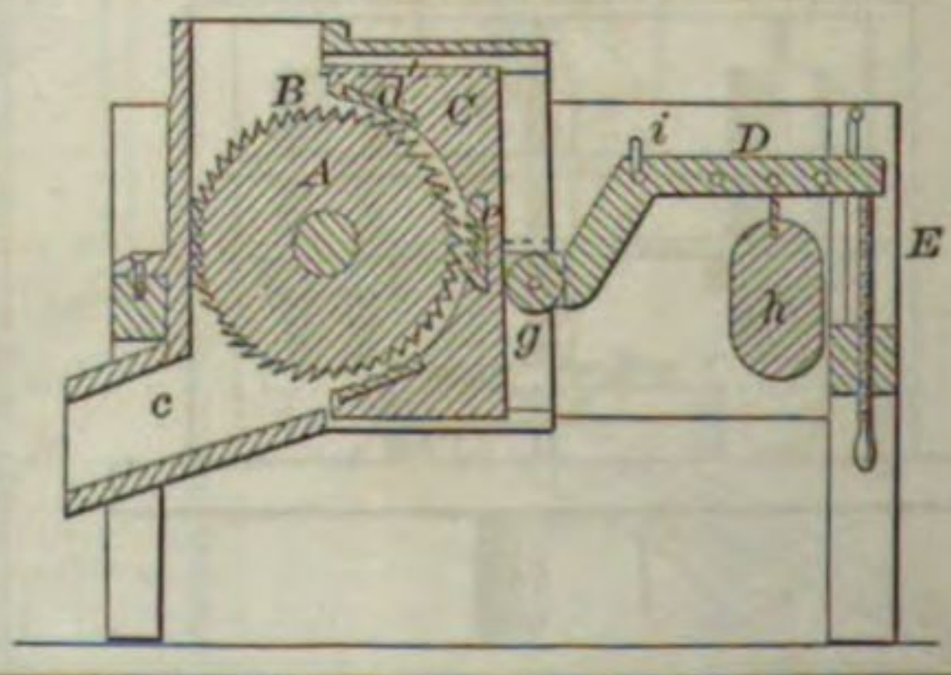
55695—C. Murdock—*Stave Machine.*



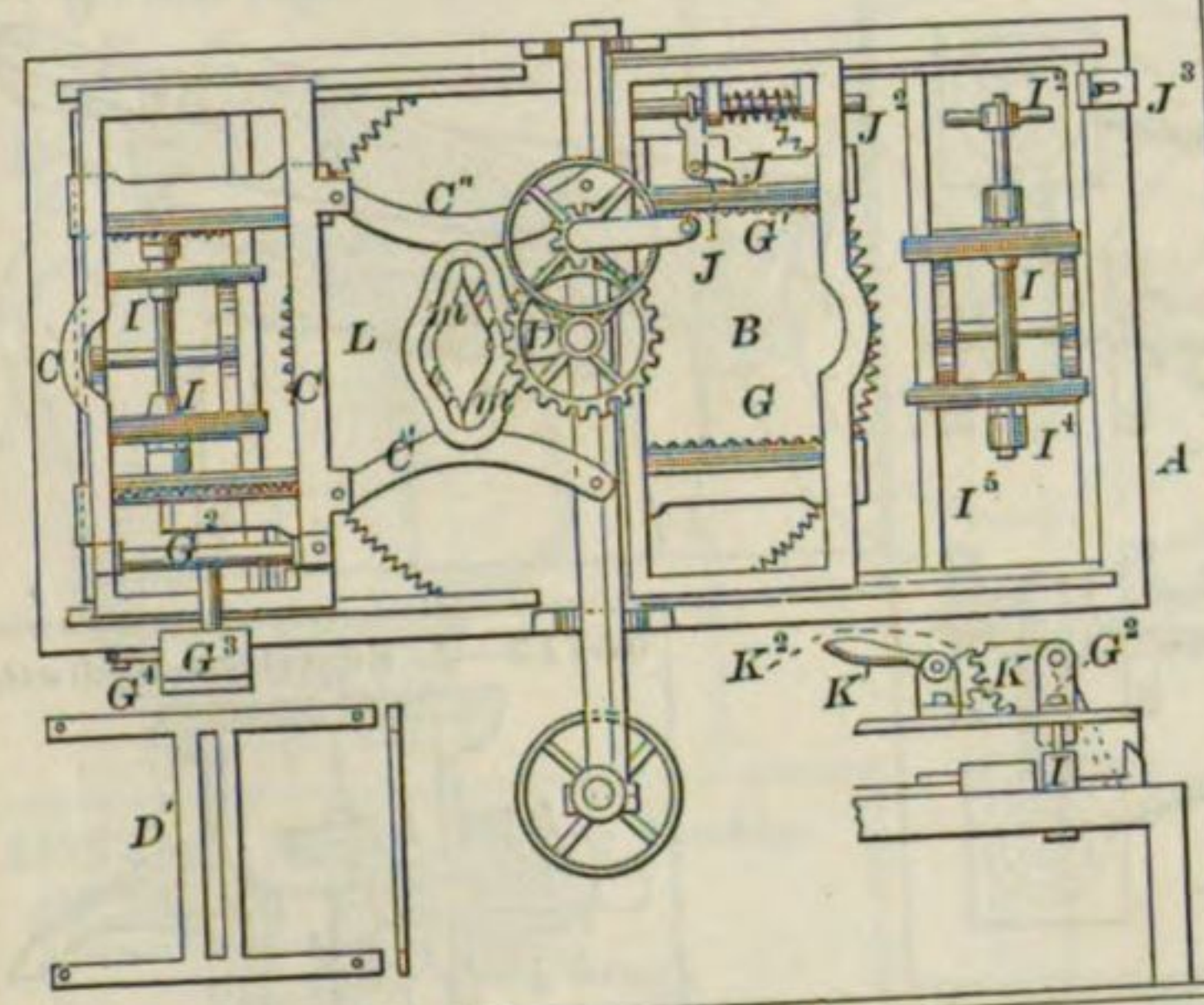
55700—C. C. Parsons—*Stop Cock.*



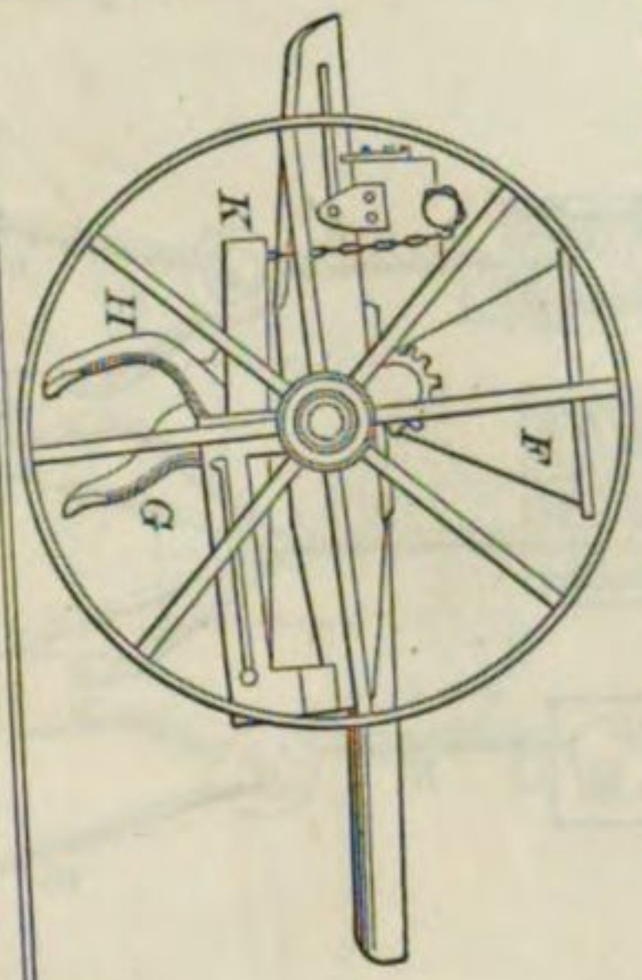
55701—J. Perkins—*Cotton Seed Huller.*



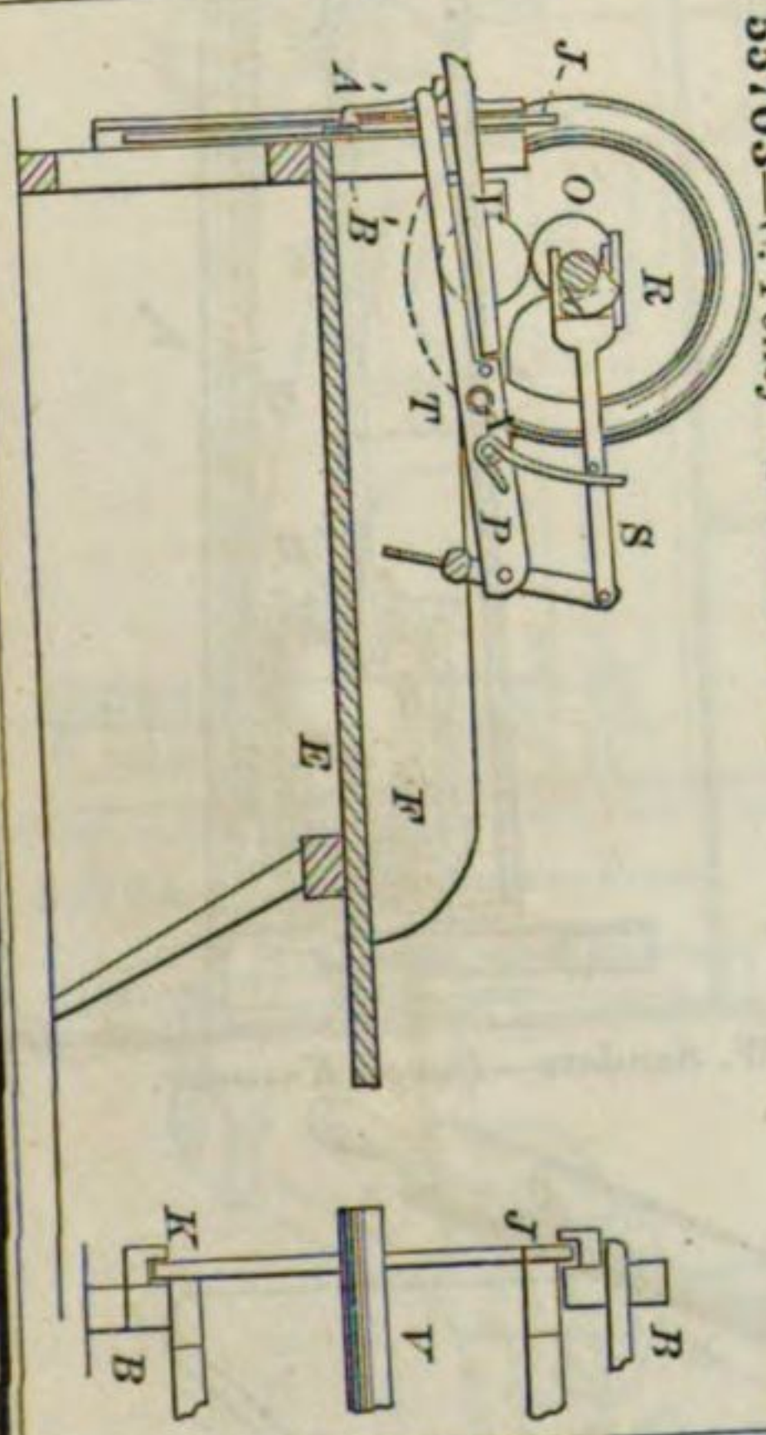
55702—C. L. Pierce—*Shingle Machine.*



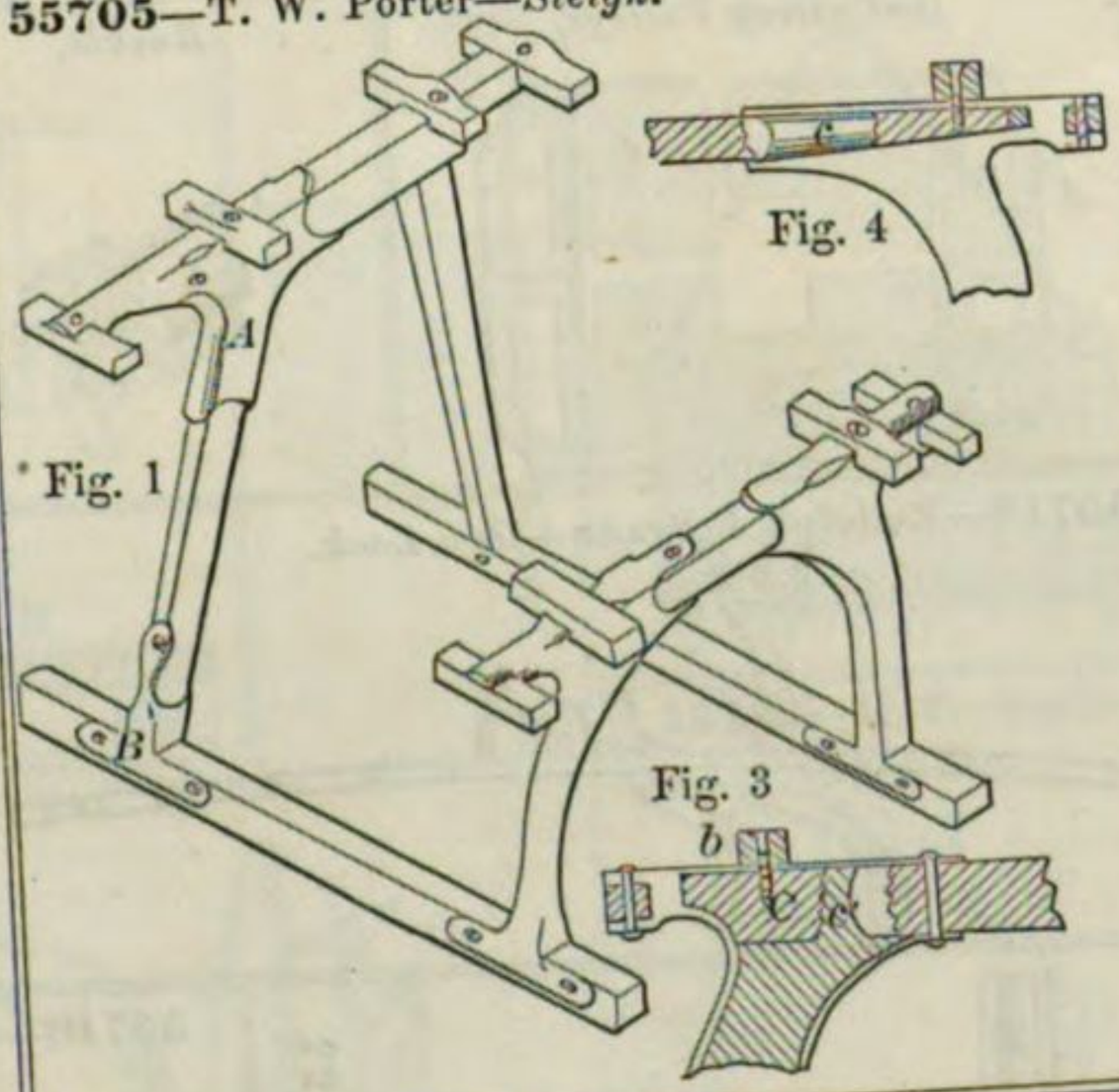
55707—A. Putnam—*Grain Drill.*



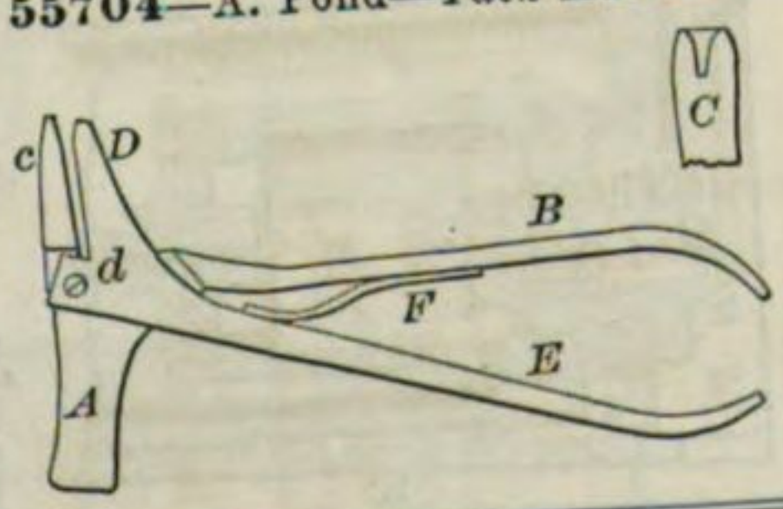
55703—C. Polley—*Straw Cutter.*



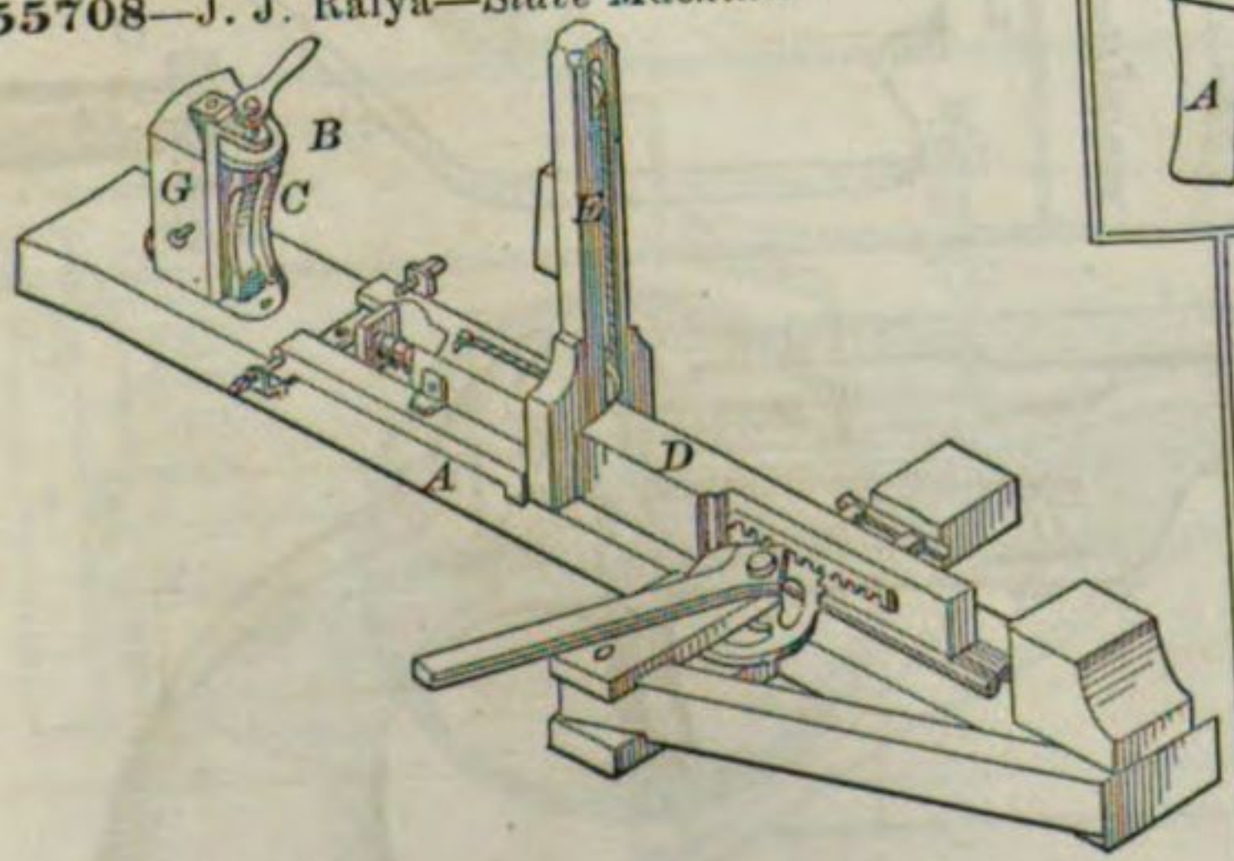
55705—T. W. Porter—*Sleigh.*



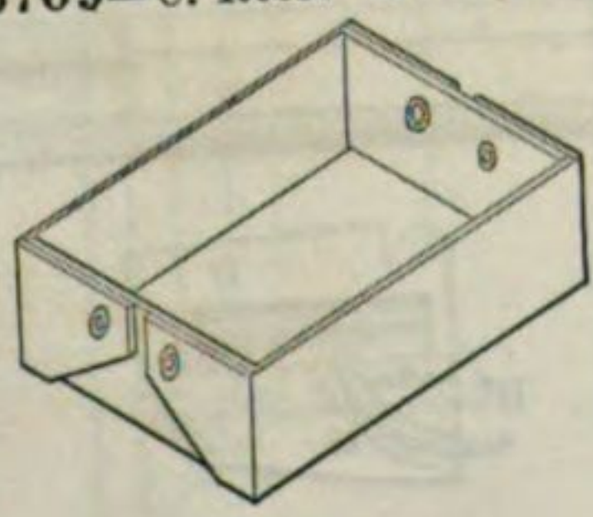
55704—A. Pond—*Tack Hammer.*



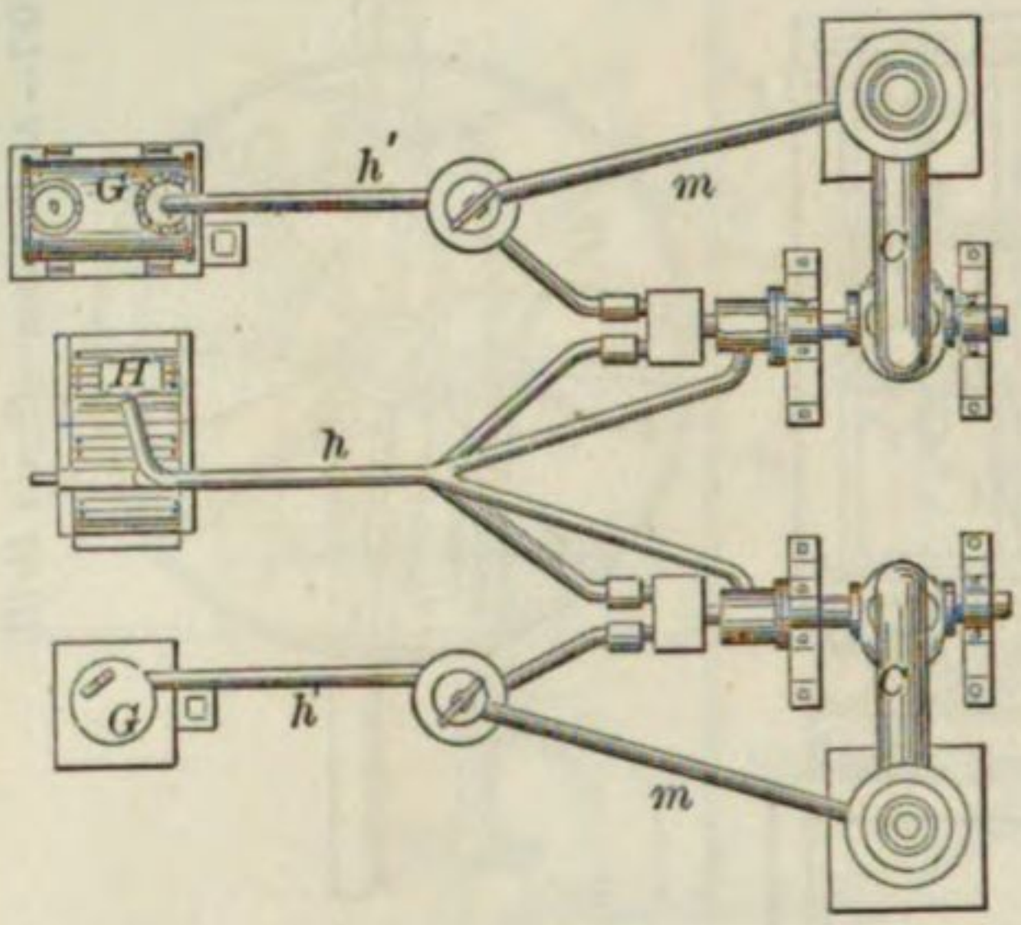
55708—J. J. Ralya—*Stave Machine.*



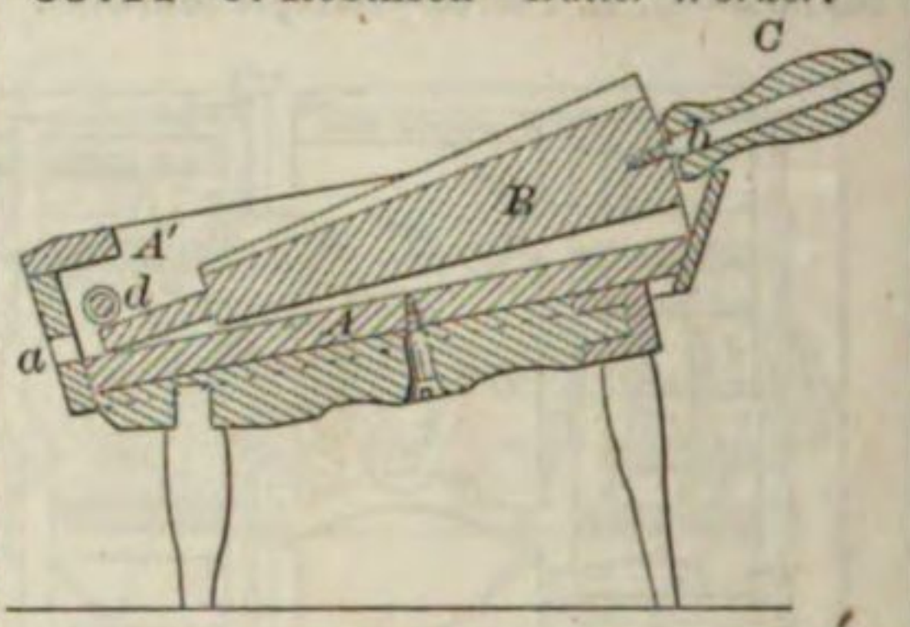
55709—C. Reese—*Fruit Box.*



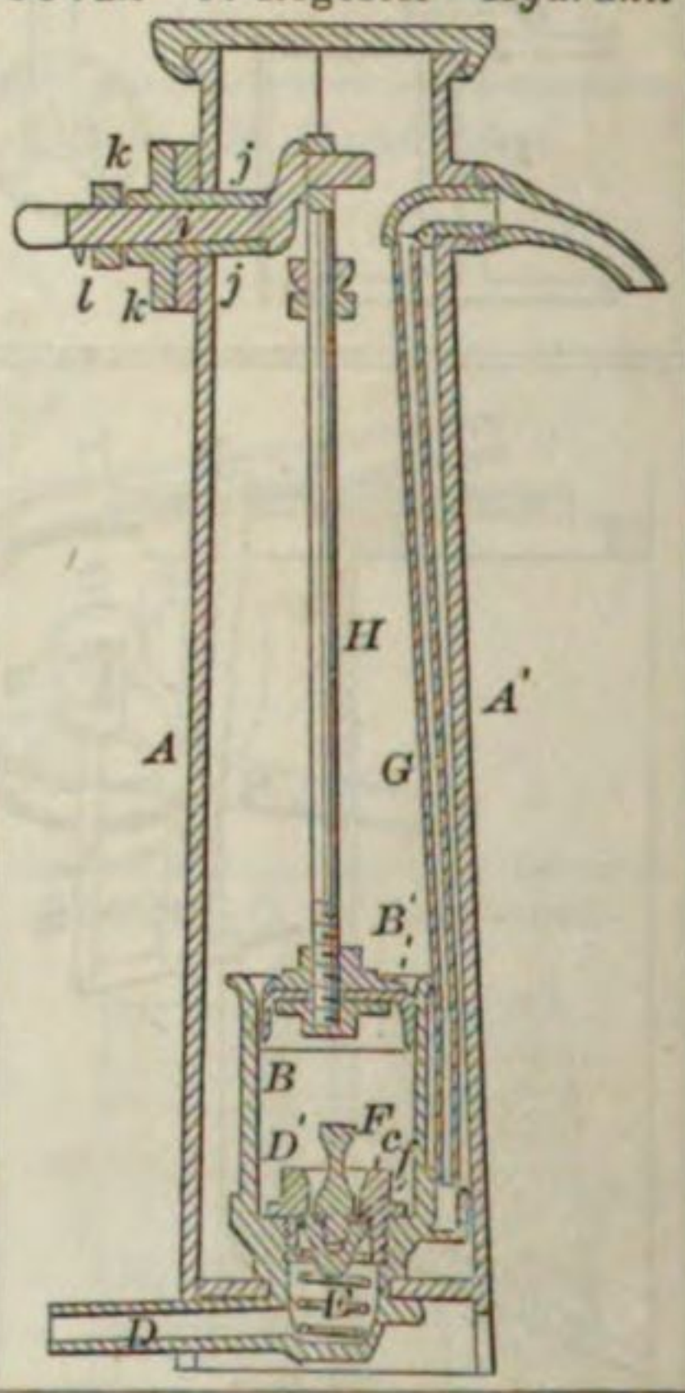
55710—J. Reese—*Reducing Metallic Oxides.*



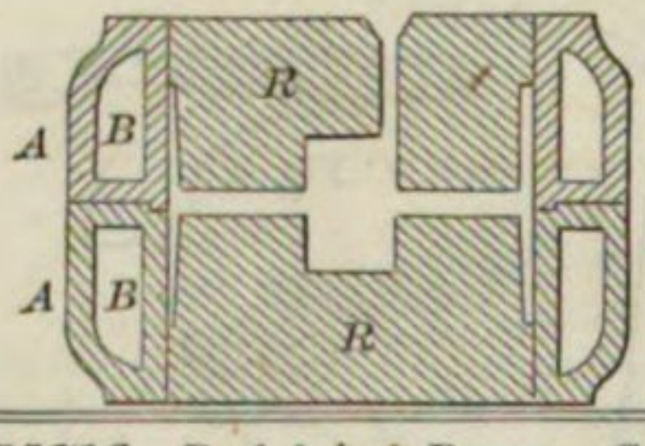
55714—J. Robinson—*Butter Worker.*



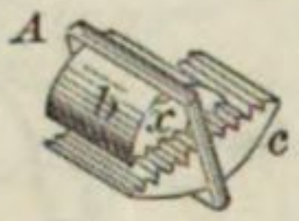
55712—J. Regester—*Hydrant.*



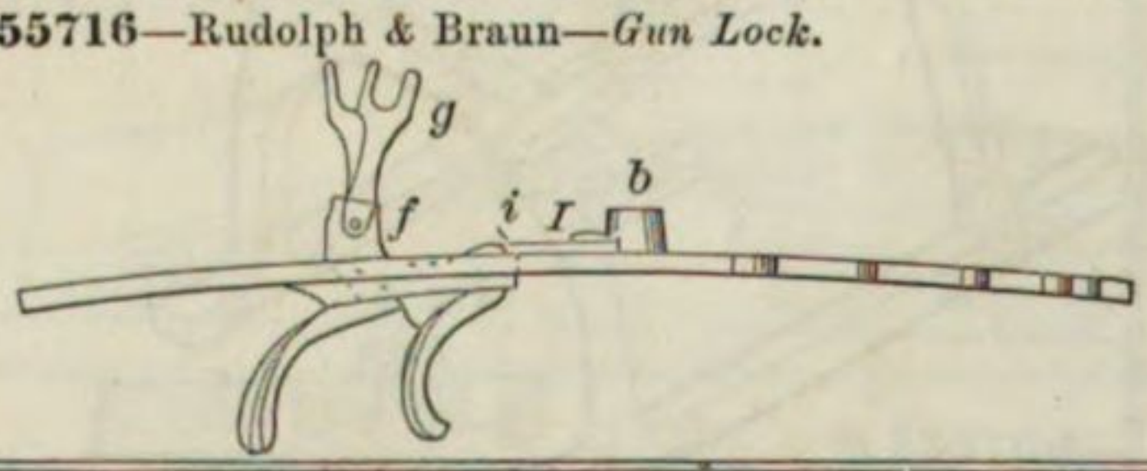
55713—W. D. Rinehart—*Mould for Casting Pulleys.*



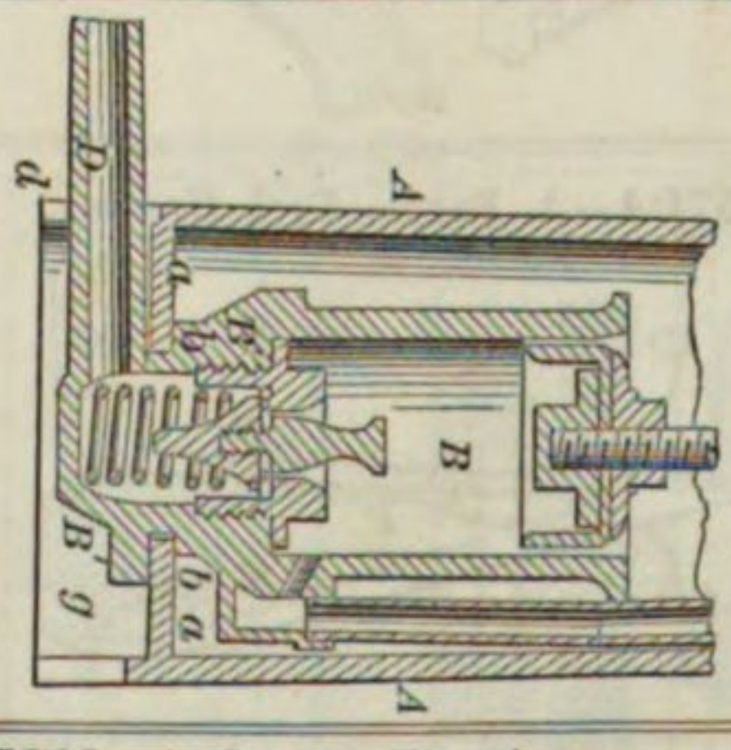
55717—L. W. Russell—*Buckle.*



55716—Rudolph & Braun—*Gun Lock.*



55711—J. Regester—*Hydrant.*



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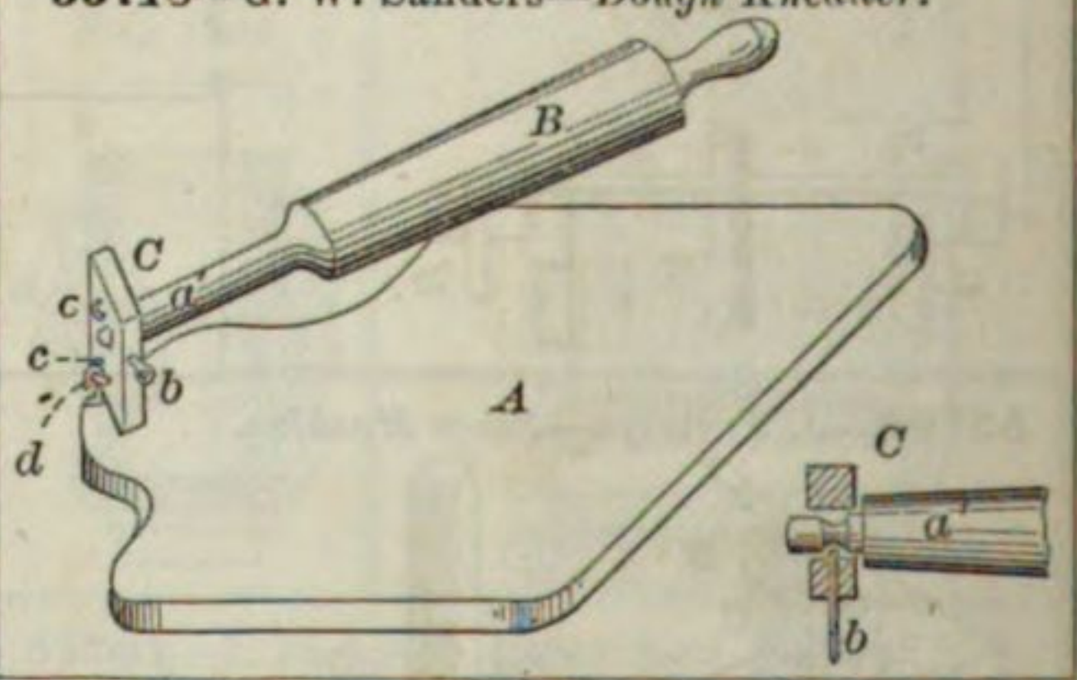
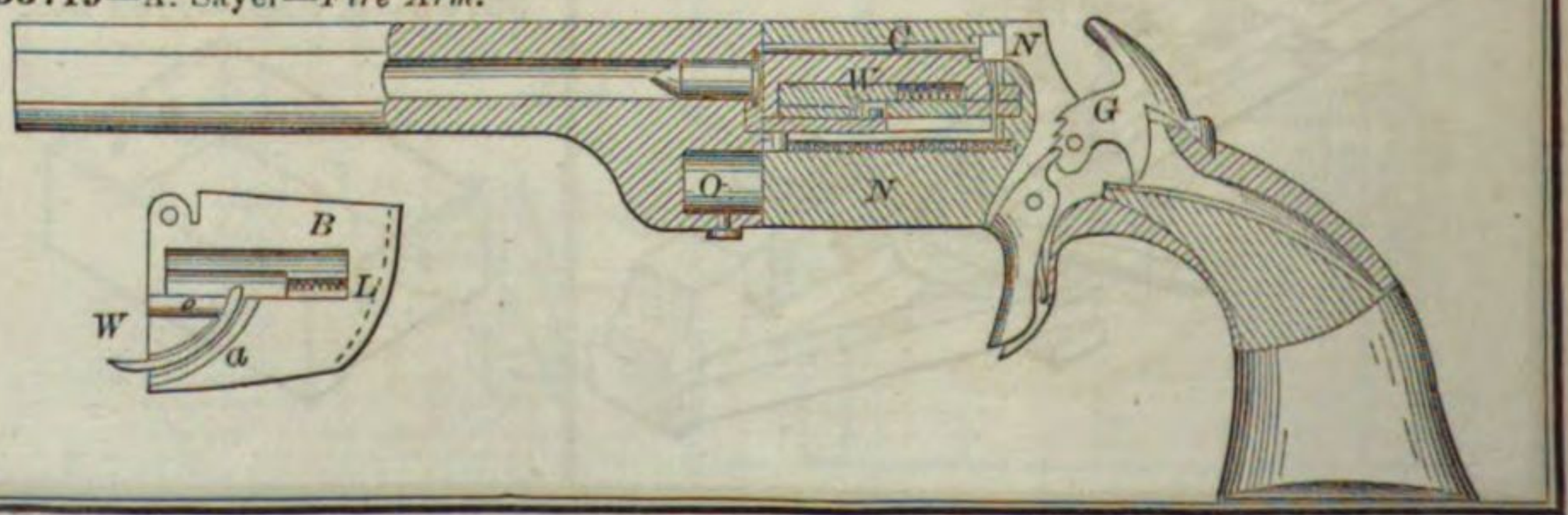
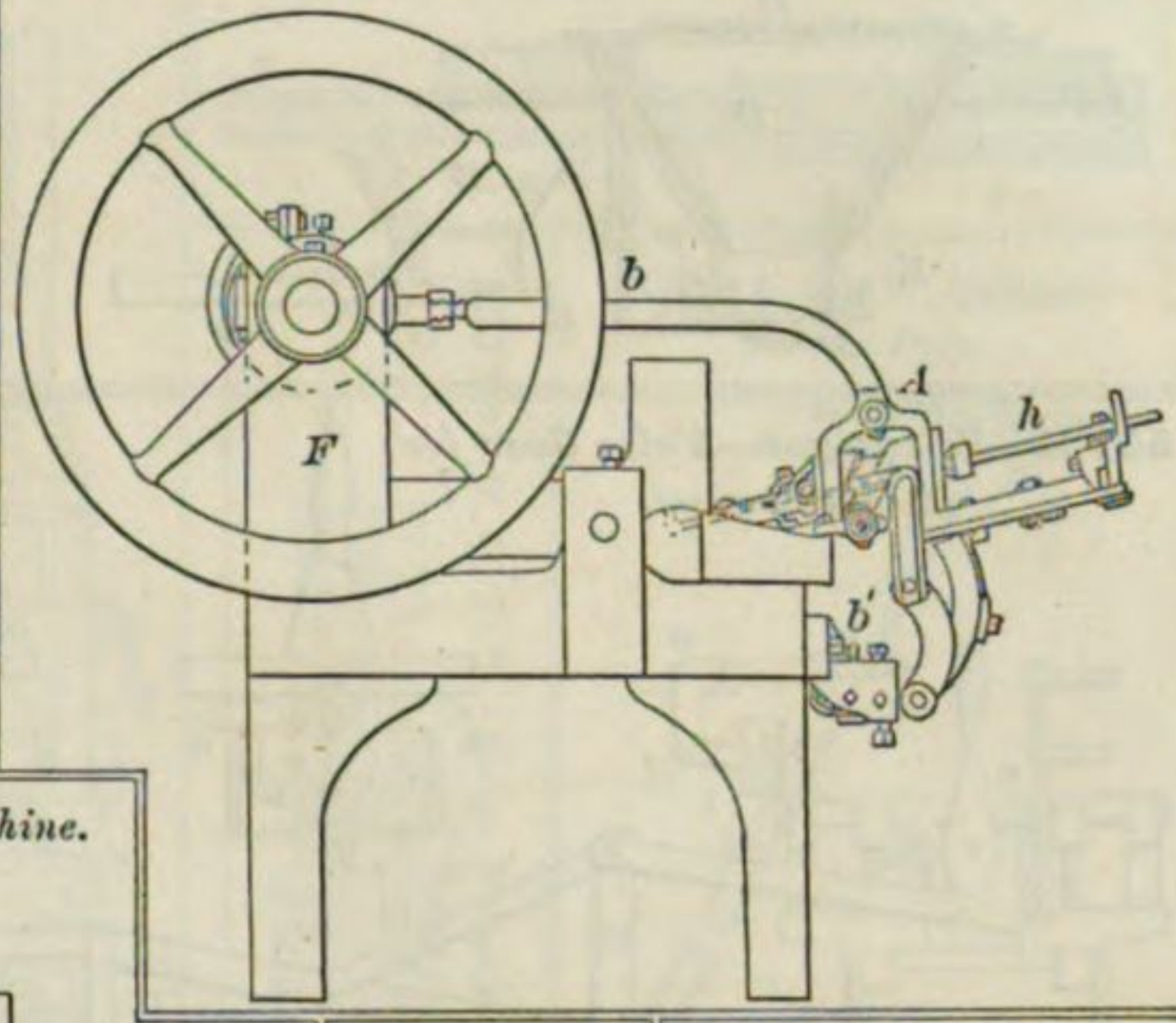


55719—A. Sayer—*Fire Arm.*

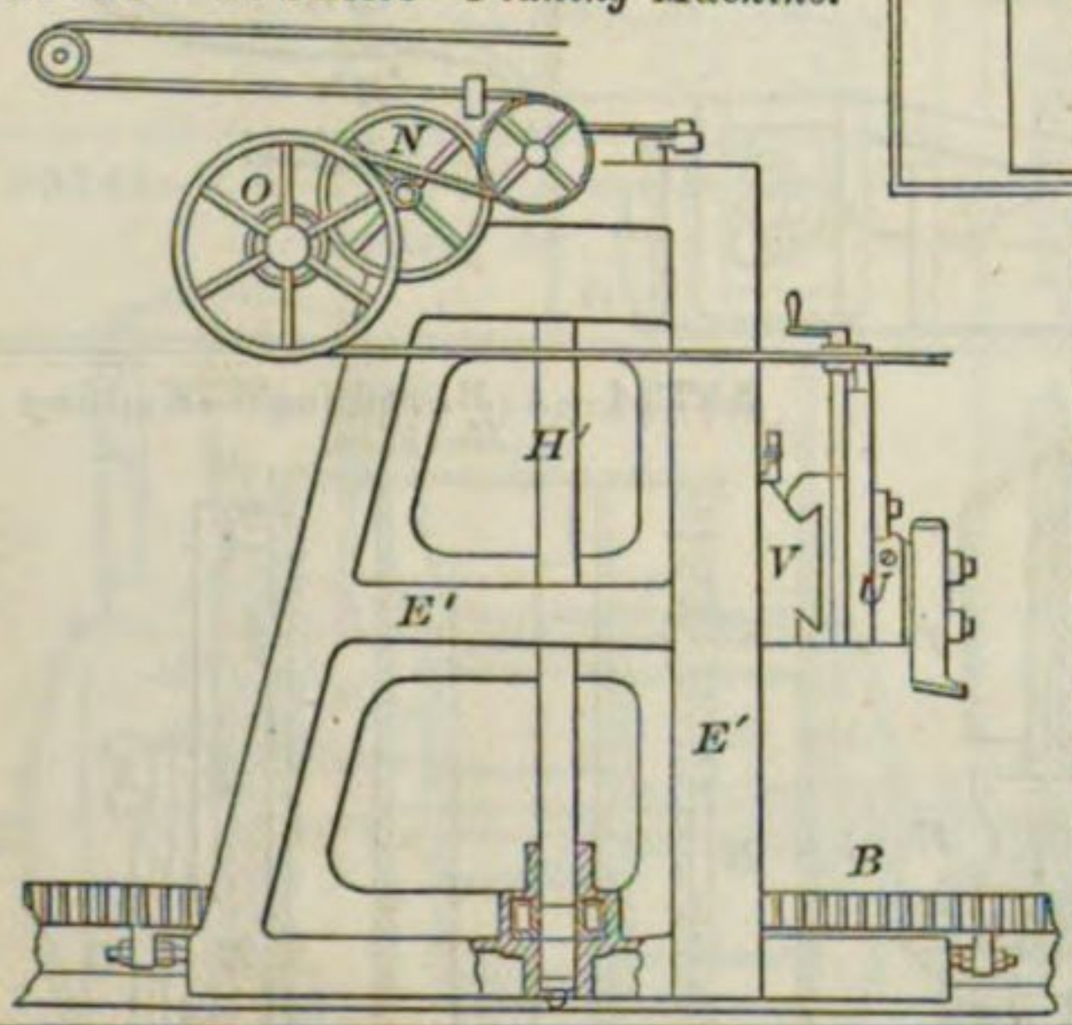


55720—P. G. H. Schaeffer—*Tea and Coffee Pot.*

55722—T. A. Searle—*Nail Plate Feeder.*

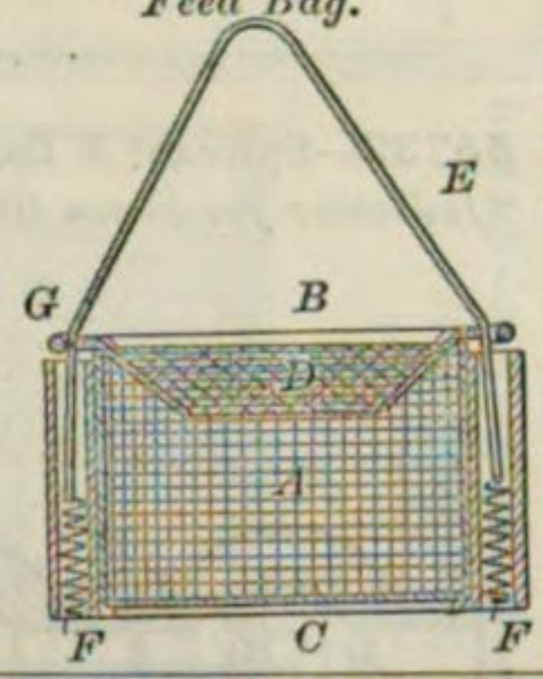


55723—W. Sellers—*Planing Machine.*

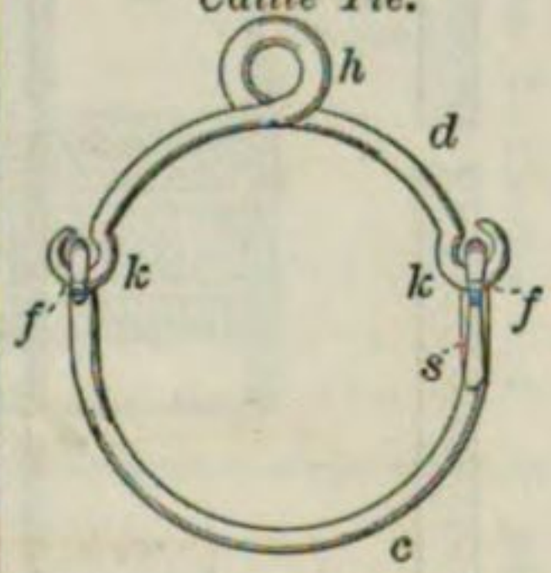


55721—P. Schouller—*Billiard Table.*

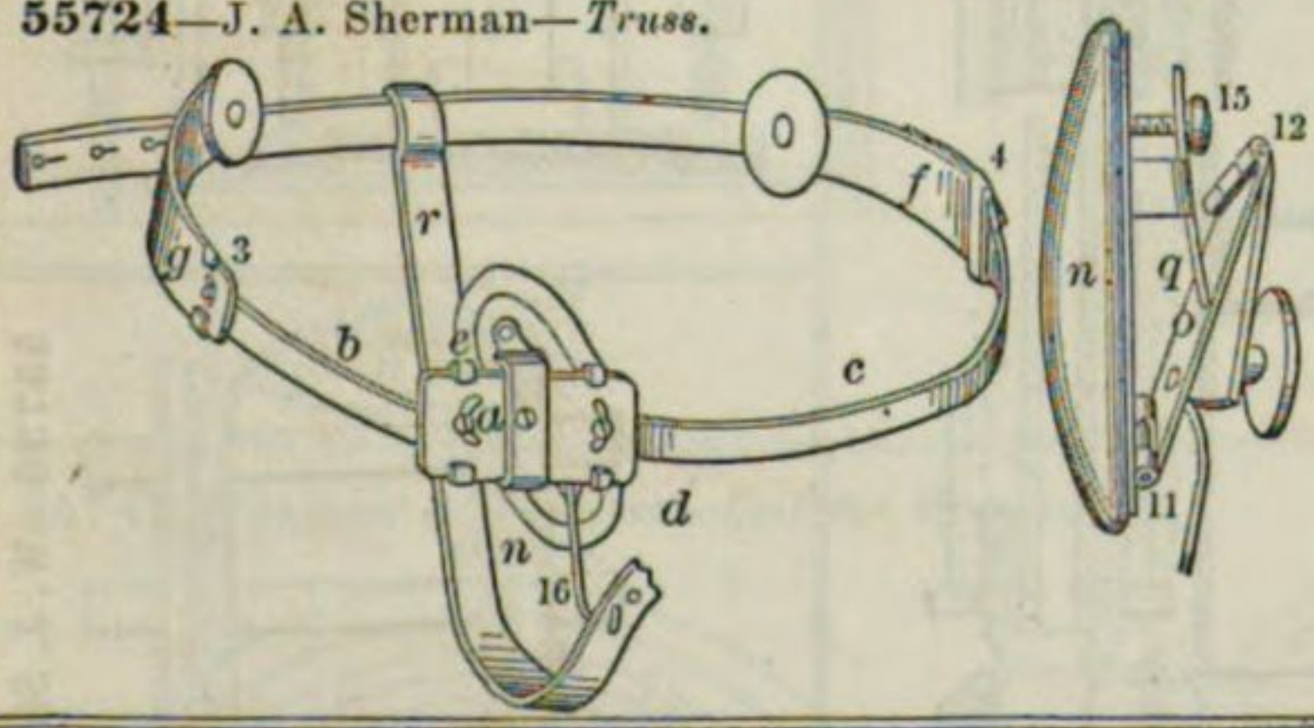
55726—F. J. Simeon—*Feed Bag.*



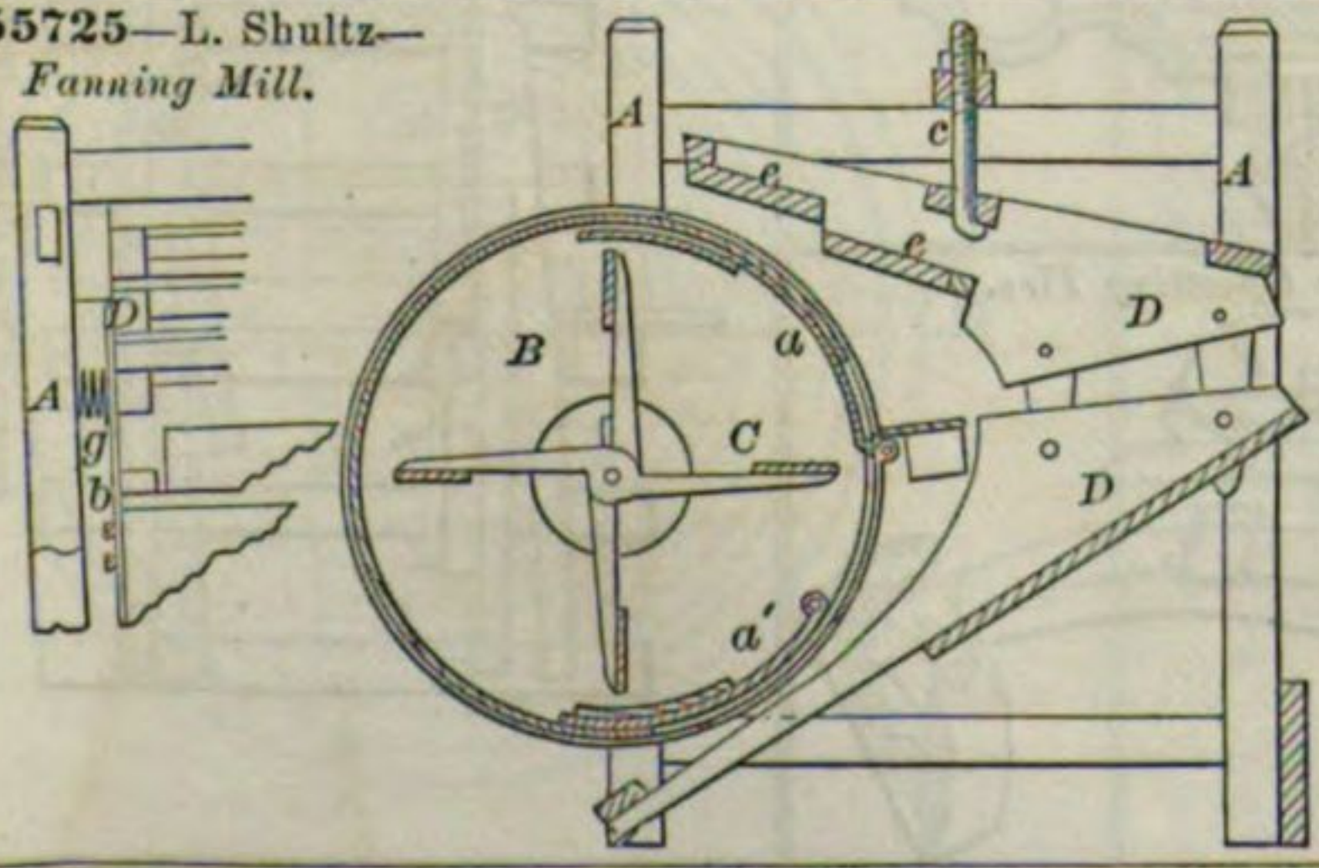
55727—H. C. Small—*Cattle Tie.*



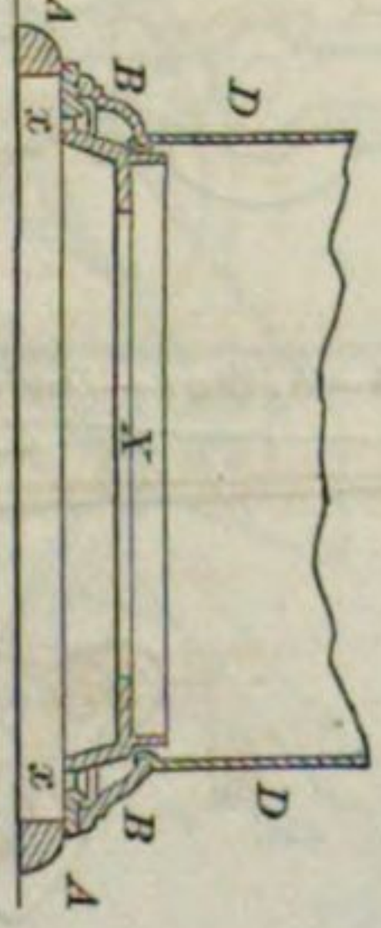
55724—J. A. Sherman—*Truss.*



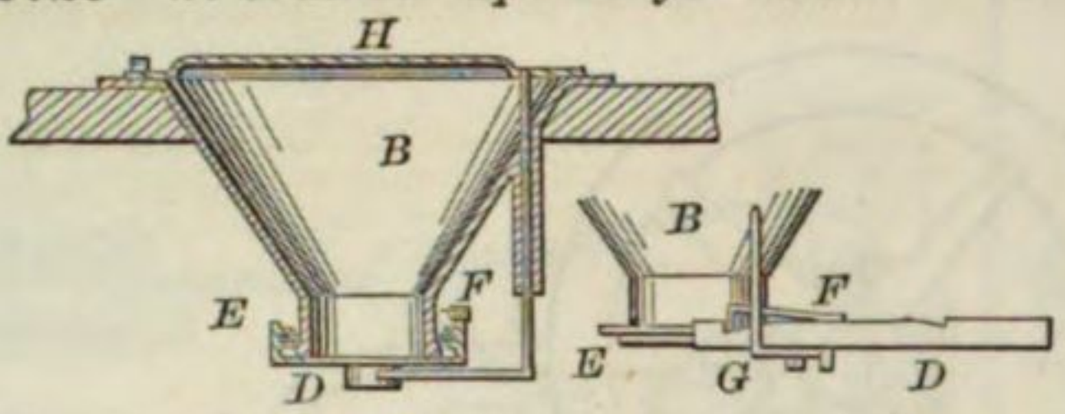
55725—L. Shultz—*Fanning Mill.*



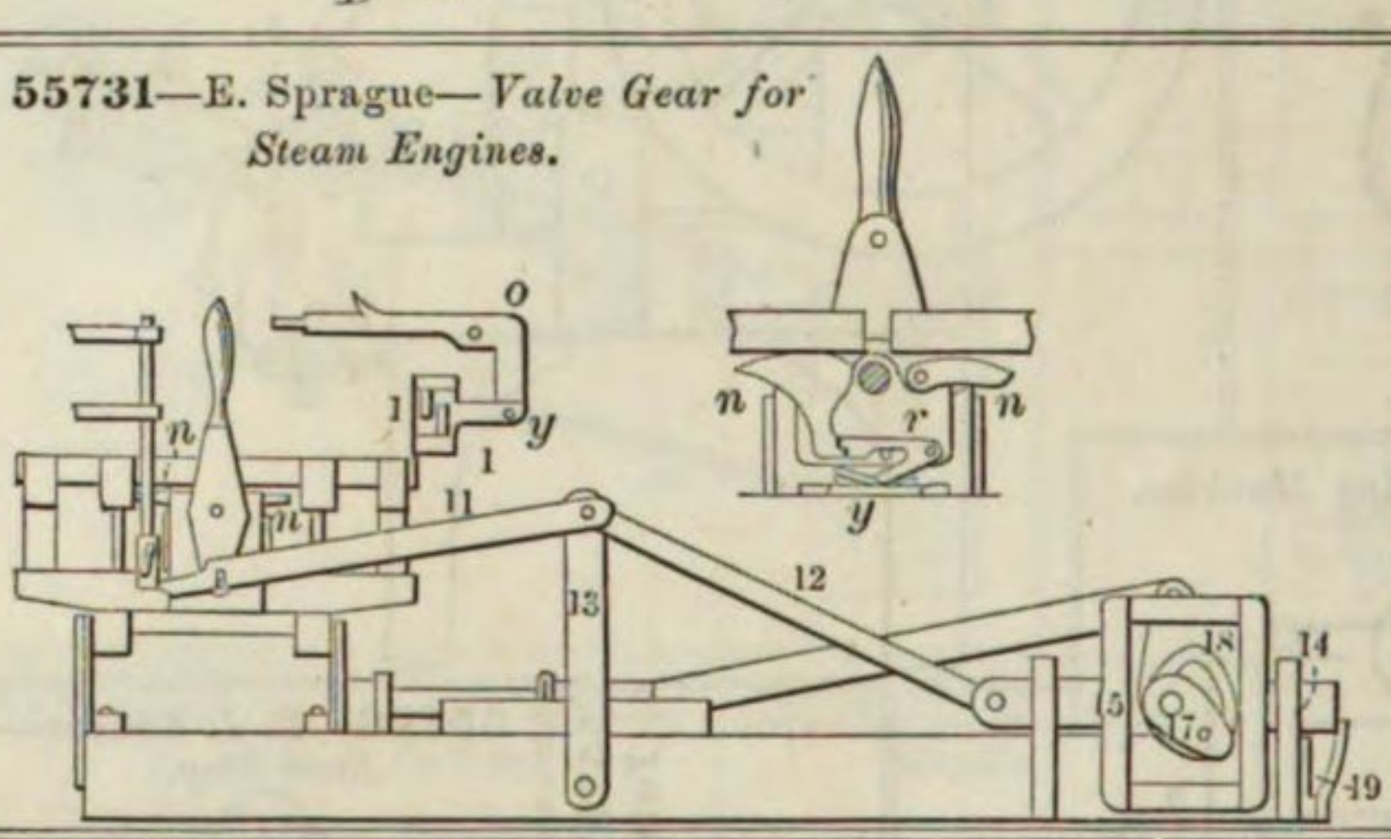
55728—S. Smith—*Heating Stove.*



55729—W. G. Smith—*Spittoon for Cars.*

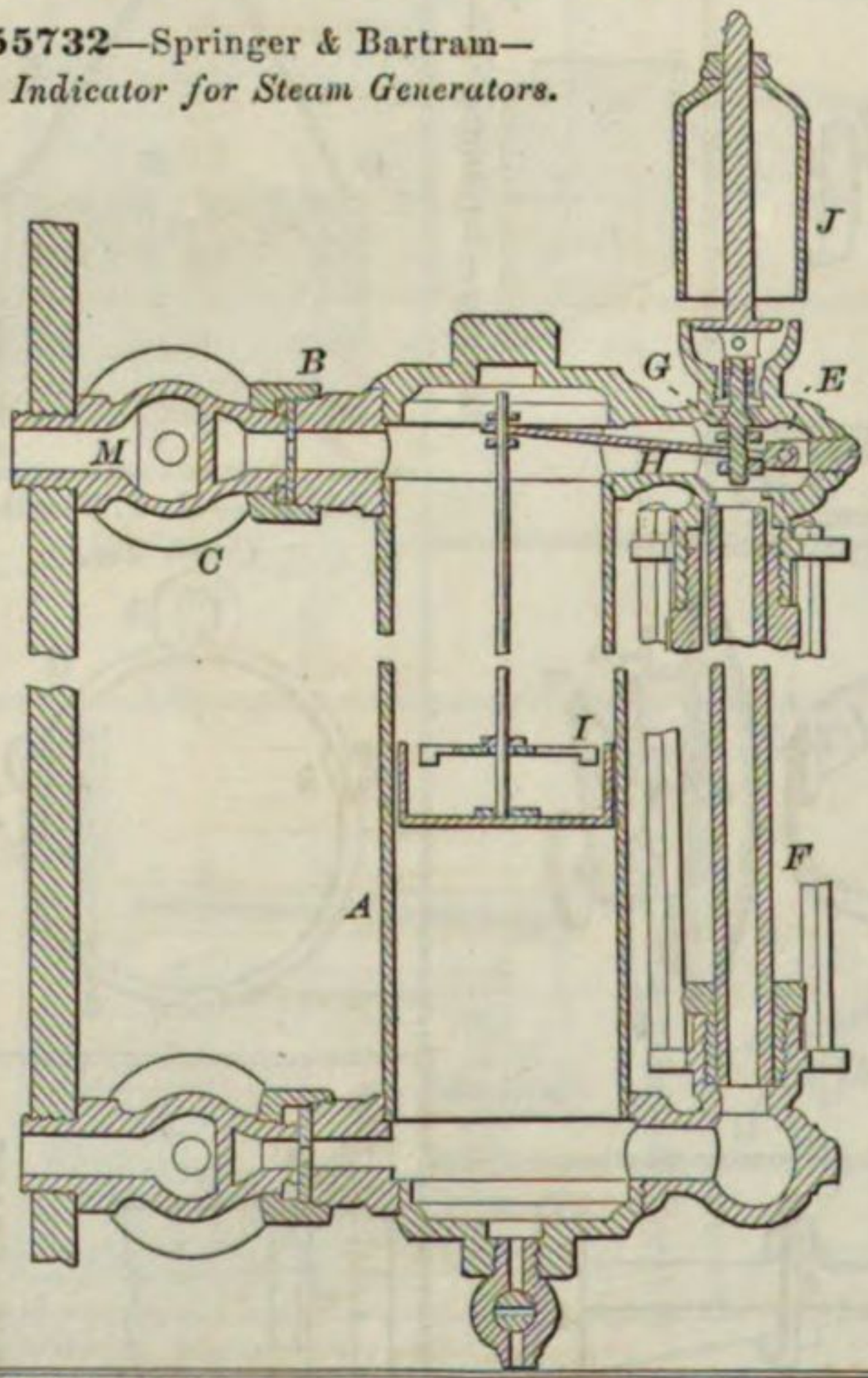


55731—E. Sprague—*Valve Gear for Steam Engines.*

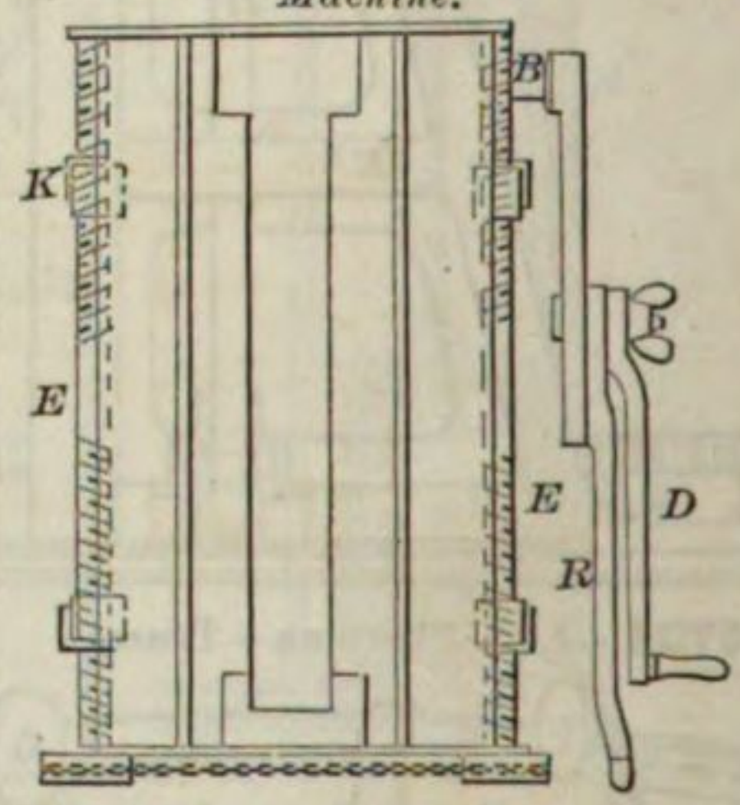


55733—I. Stealy—*Pessary.*

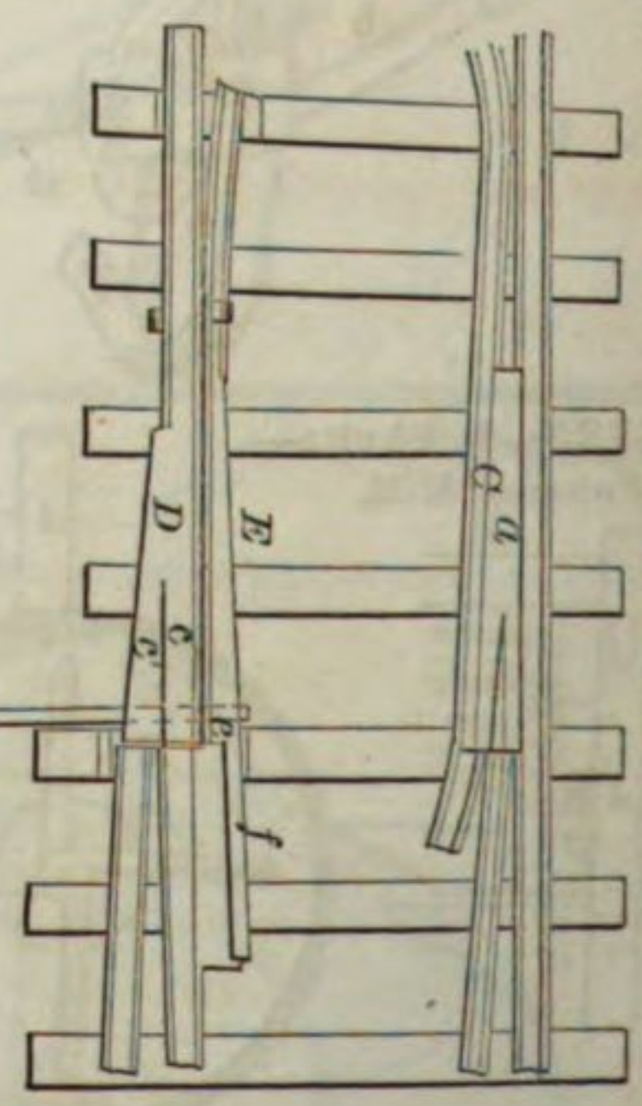
55732—Springer & Bartram—*Indicator for Steam Generators.*



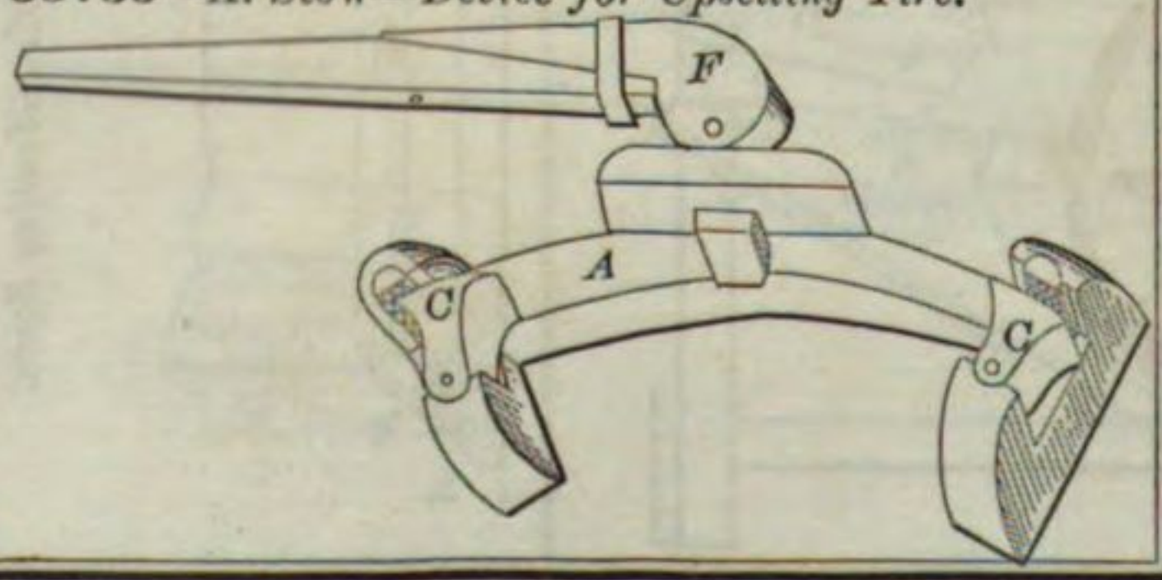
55734—A. B. Stillings—*Knitting Machine.*



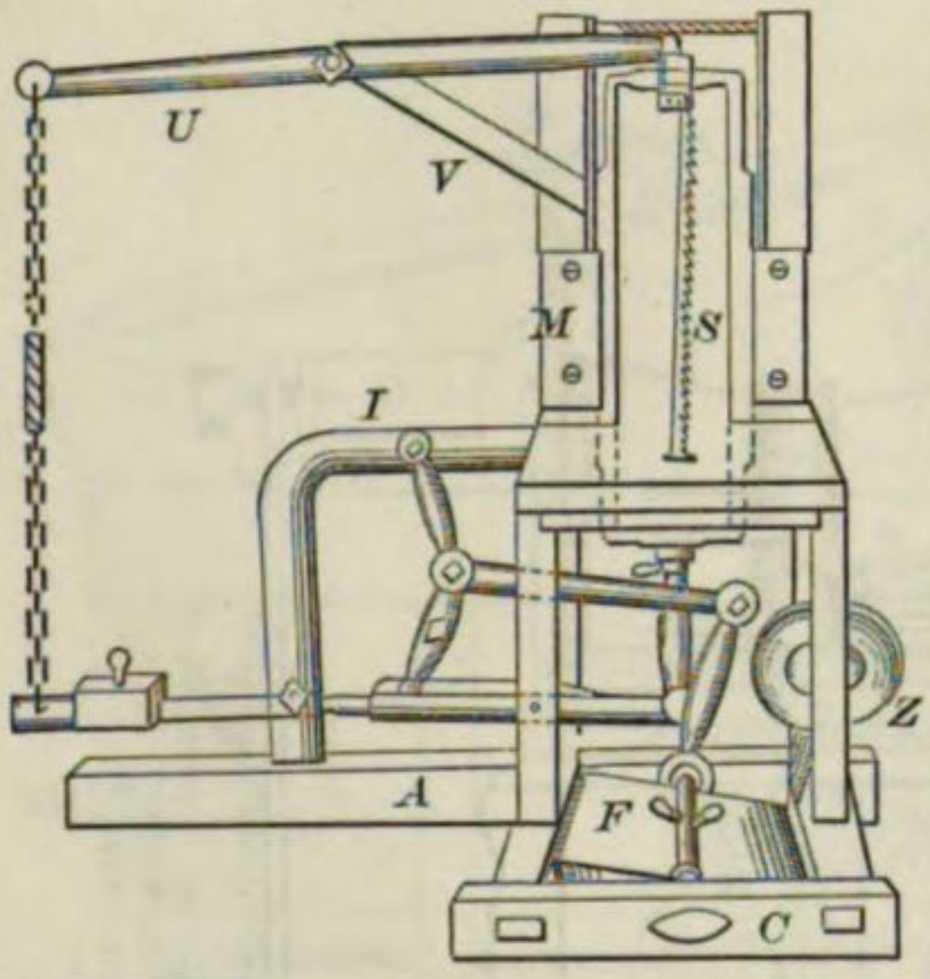
55736—W. J. Stowell—*Railroad Switch.*



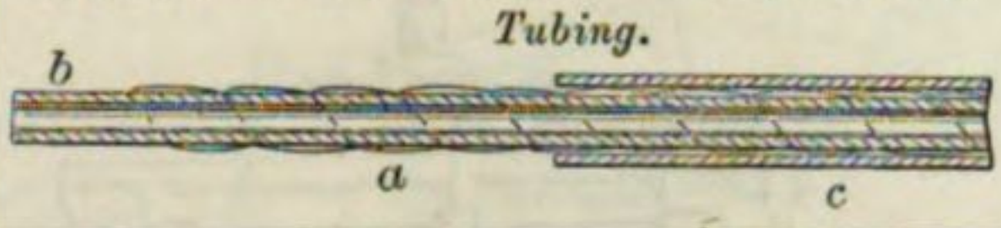
55735—A. Stow—*Device for Upsetting Tire.*



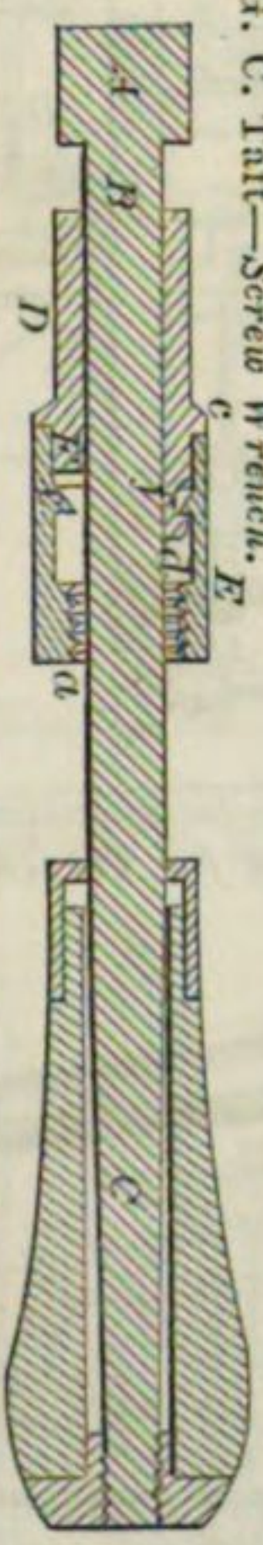
55738—Z. Swope—*Sawing Machine.*



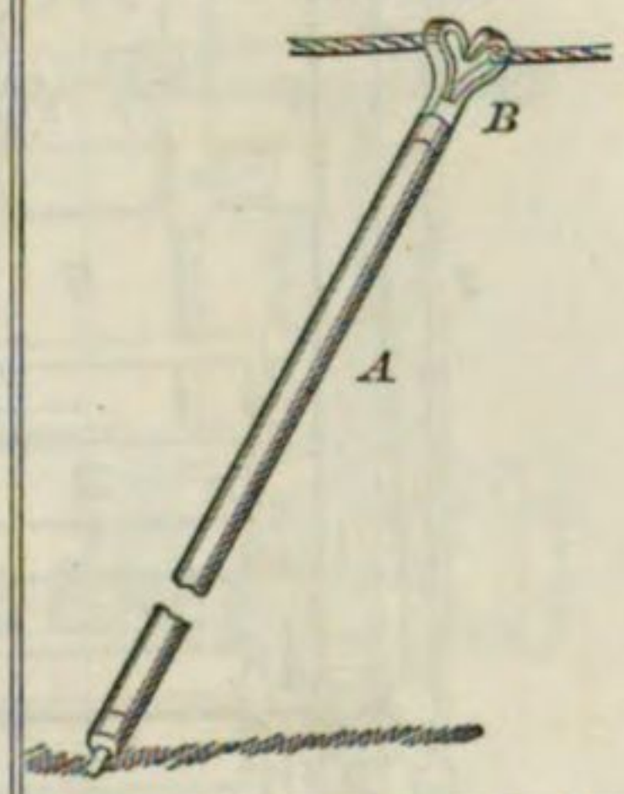
55740—W. B. S. Taylor—*Manufacture of Tubing.*



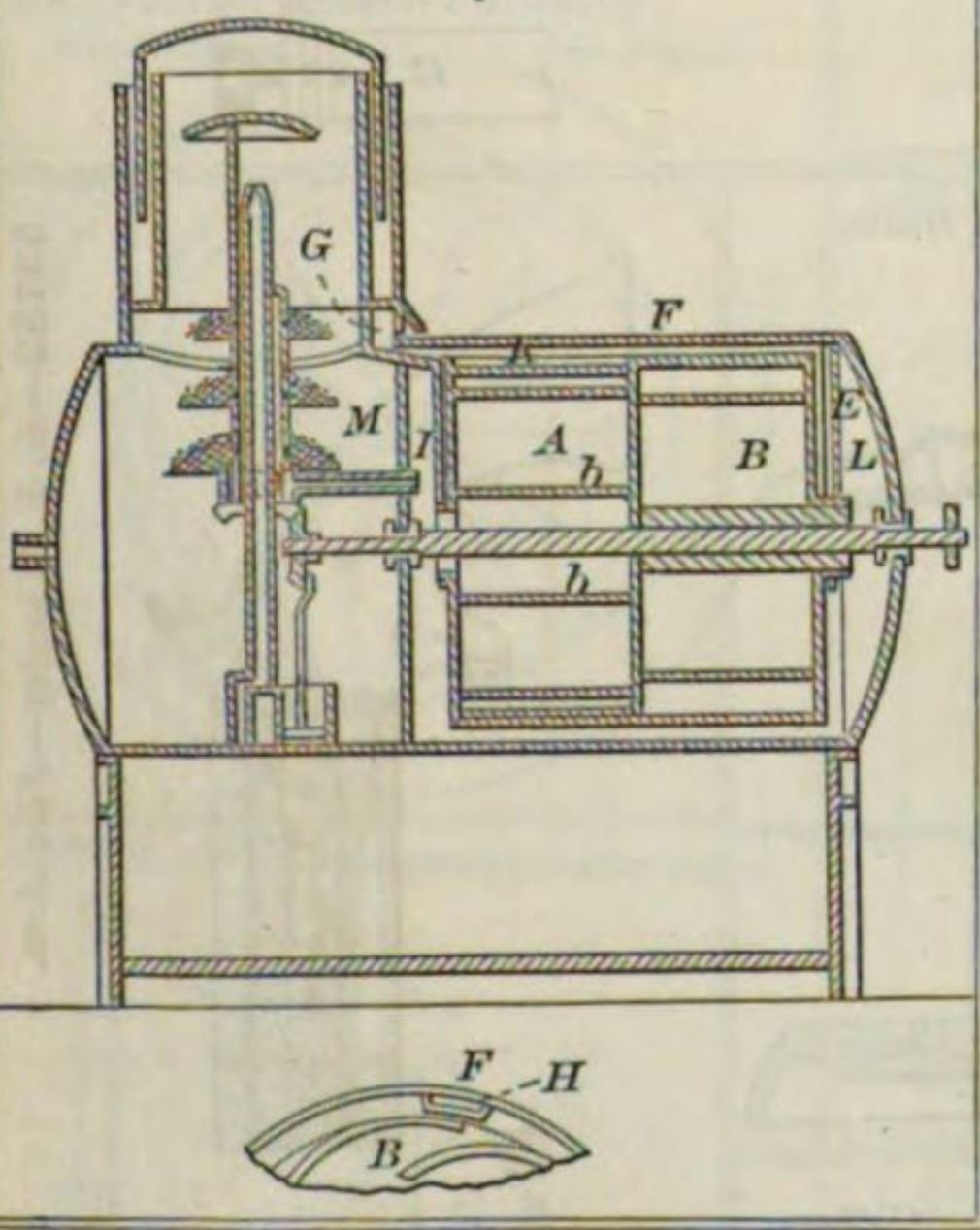
55739—G. C. Taft—*Screw Wrench.*



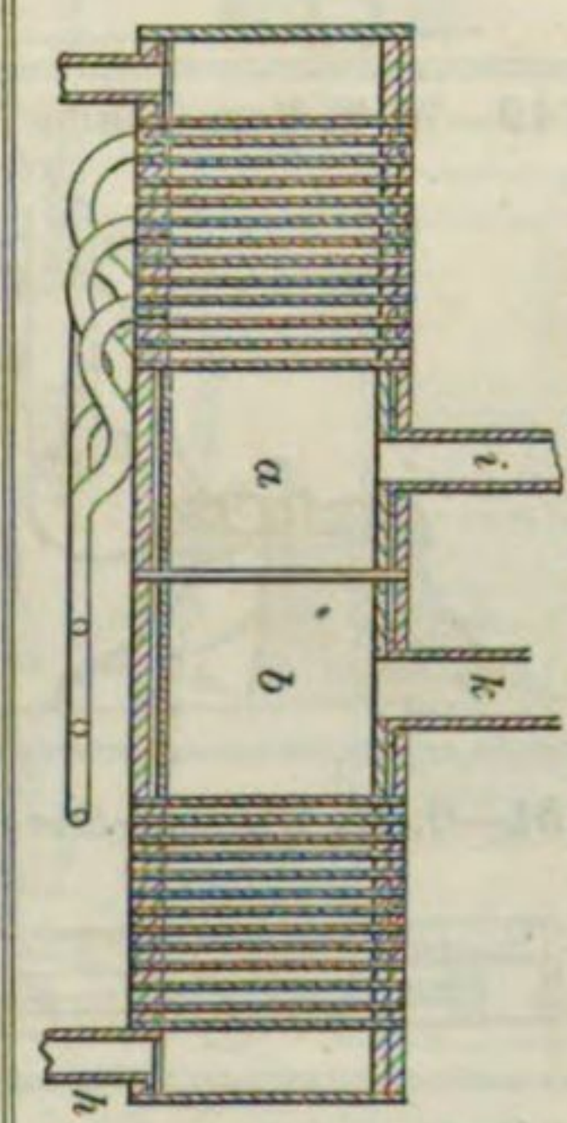
55744—F. W. Tilton—*Clothes Pole.*



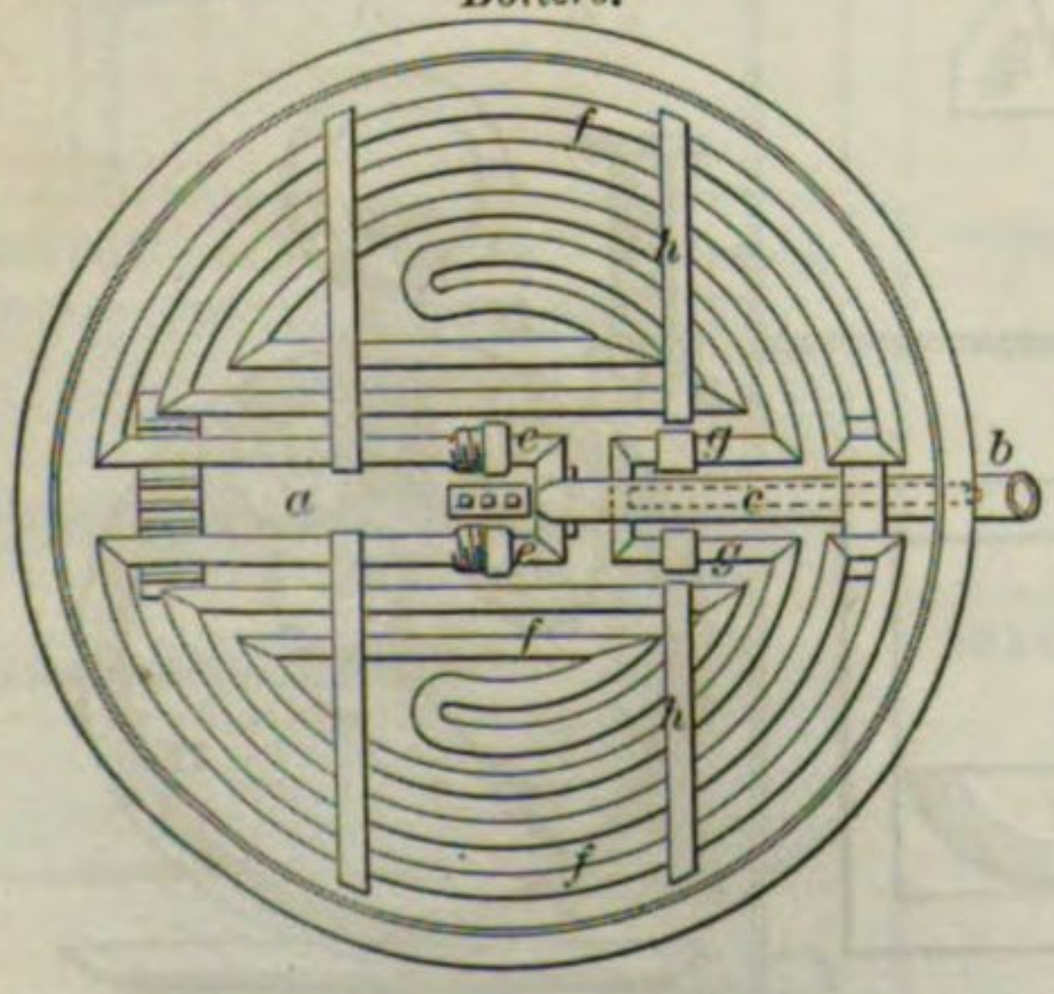
55741—J. B. Terry—*Apparatus for Carburetting Air.*



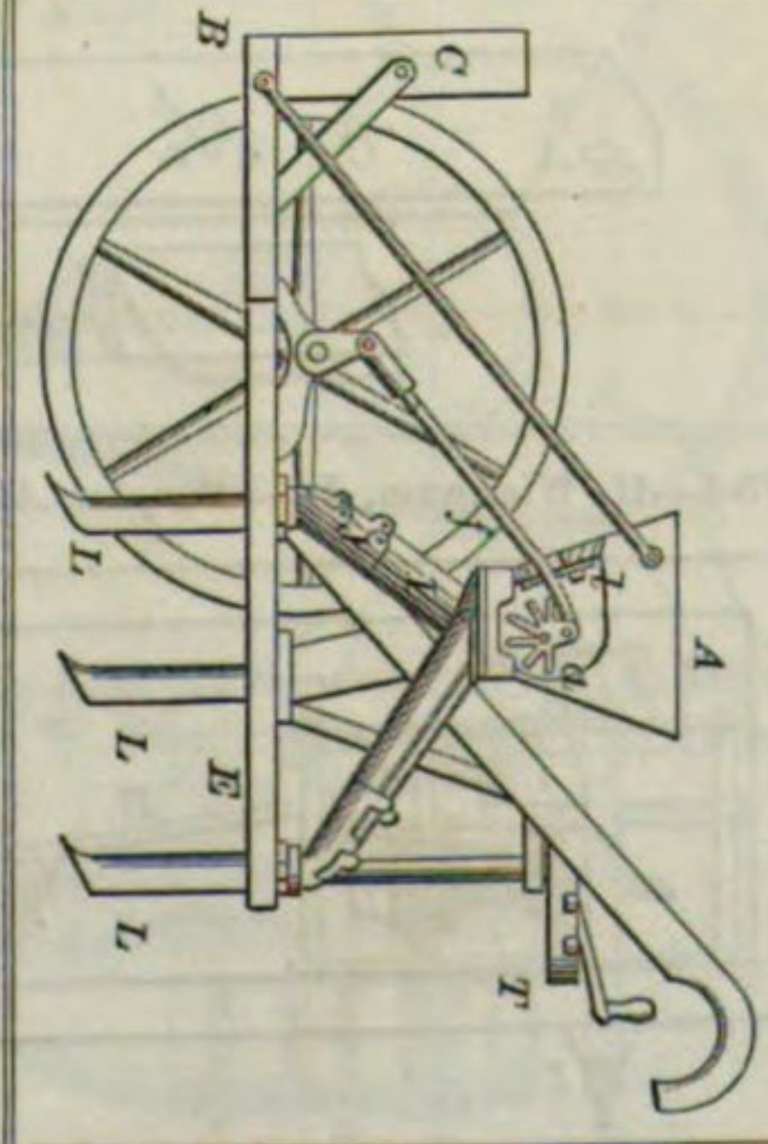
55746—J. Trageser—*Apparatus for Cooling and Condensing Beer, Alcohol, &c.*



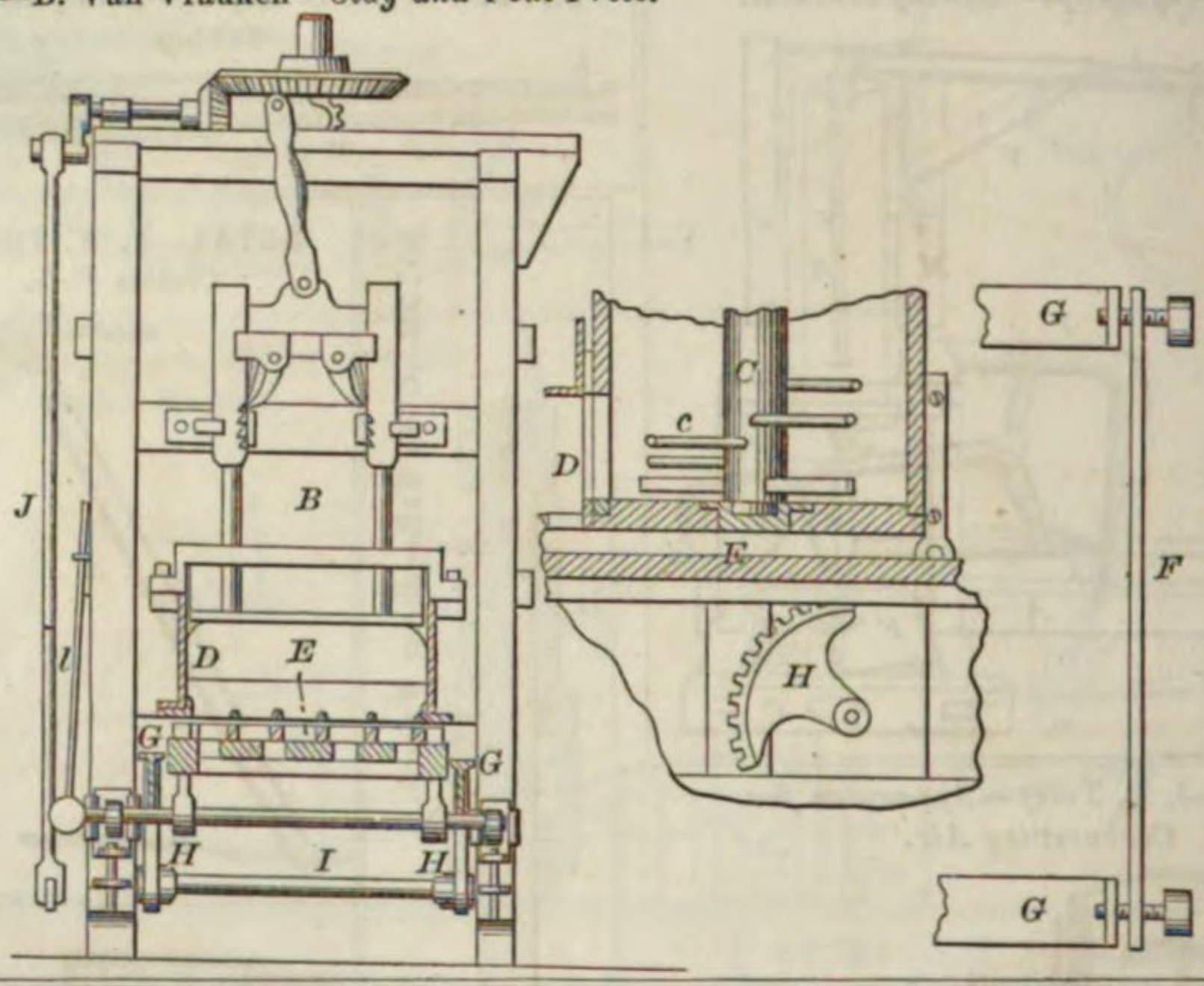
55747—Trageser & Schreiber—*Coil for Brewers' Boilers.*



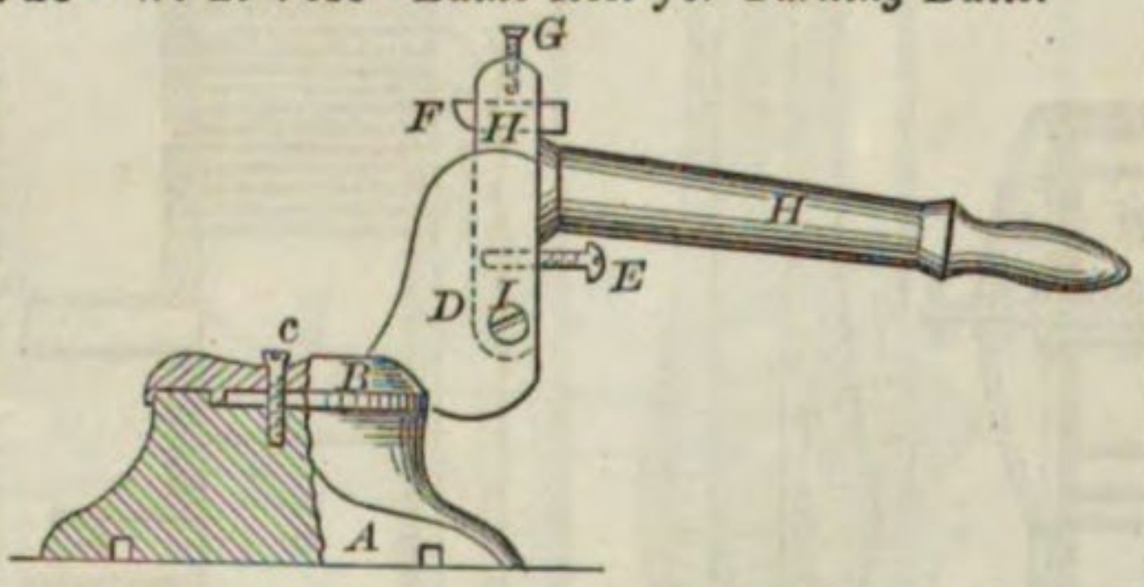
55742—Thomas & Mast—*Grain Drill.*



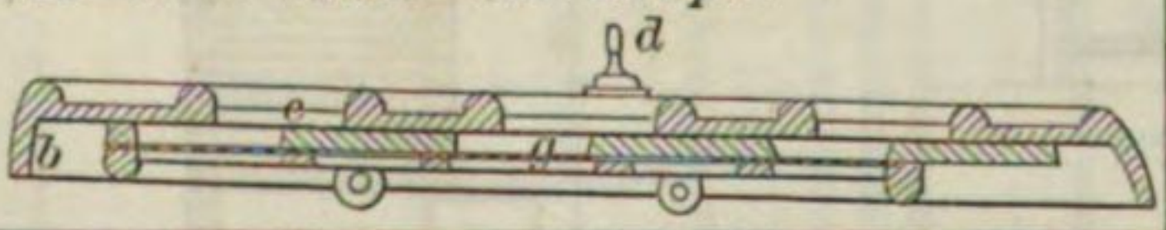
55748—B. Van Vrauken—*Clay and Peat Press.*



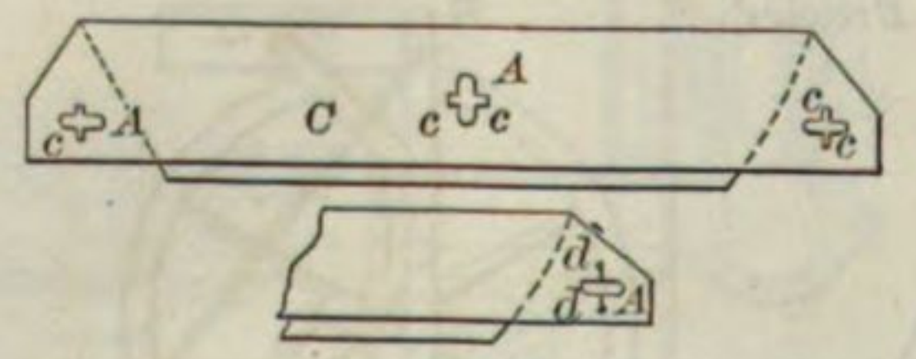
55749—W. T. Vose—*Lathe Rest for Turning Balls.*



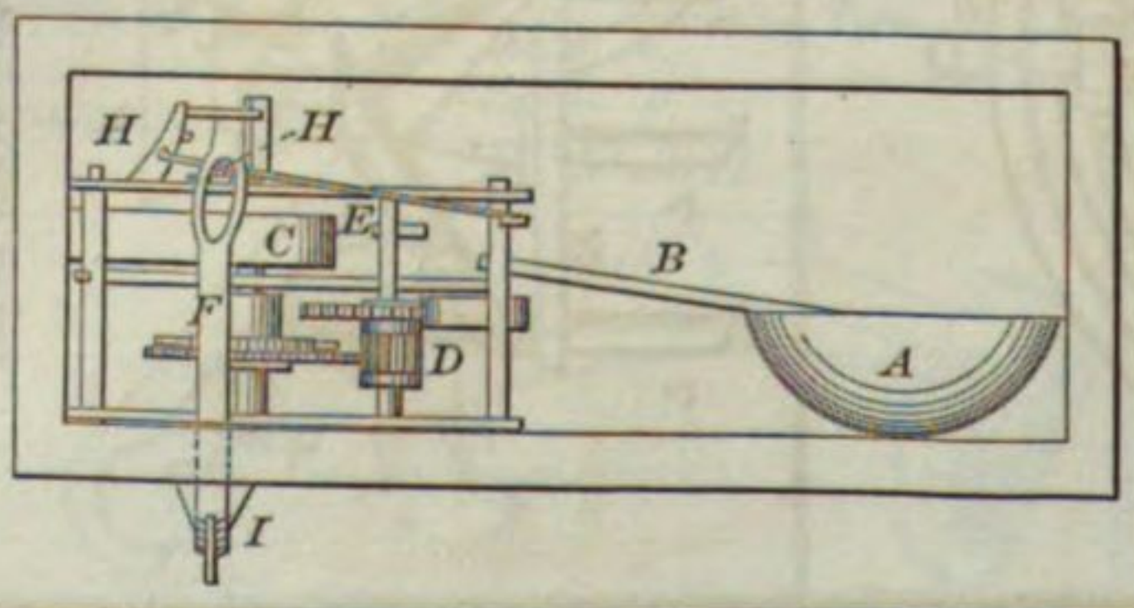
55751—G. W. Walker—*Stove Damper.*



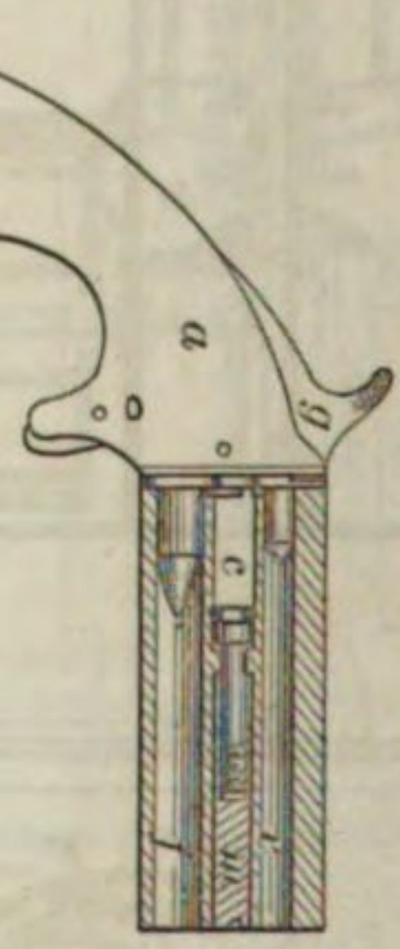
55753—N. F. Whiting—*Button Hole for Paper Collars.*



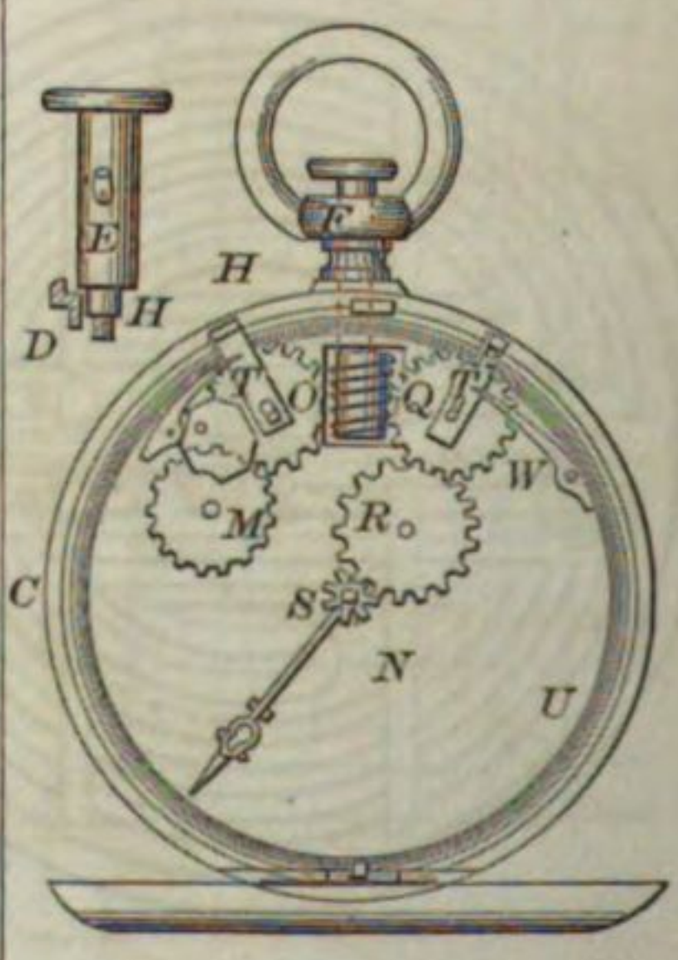
55754—H. Wickham, Jr.—*Burglar Alarm.*



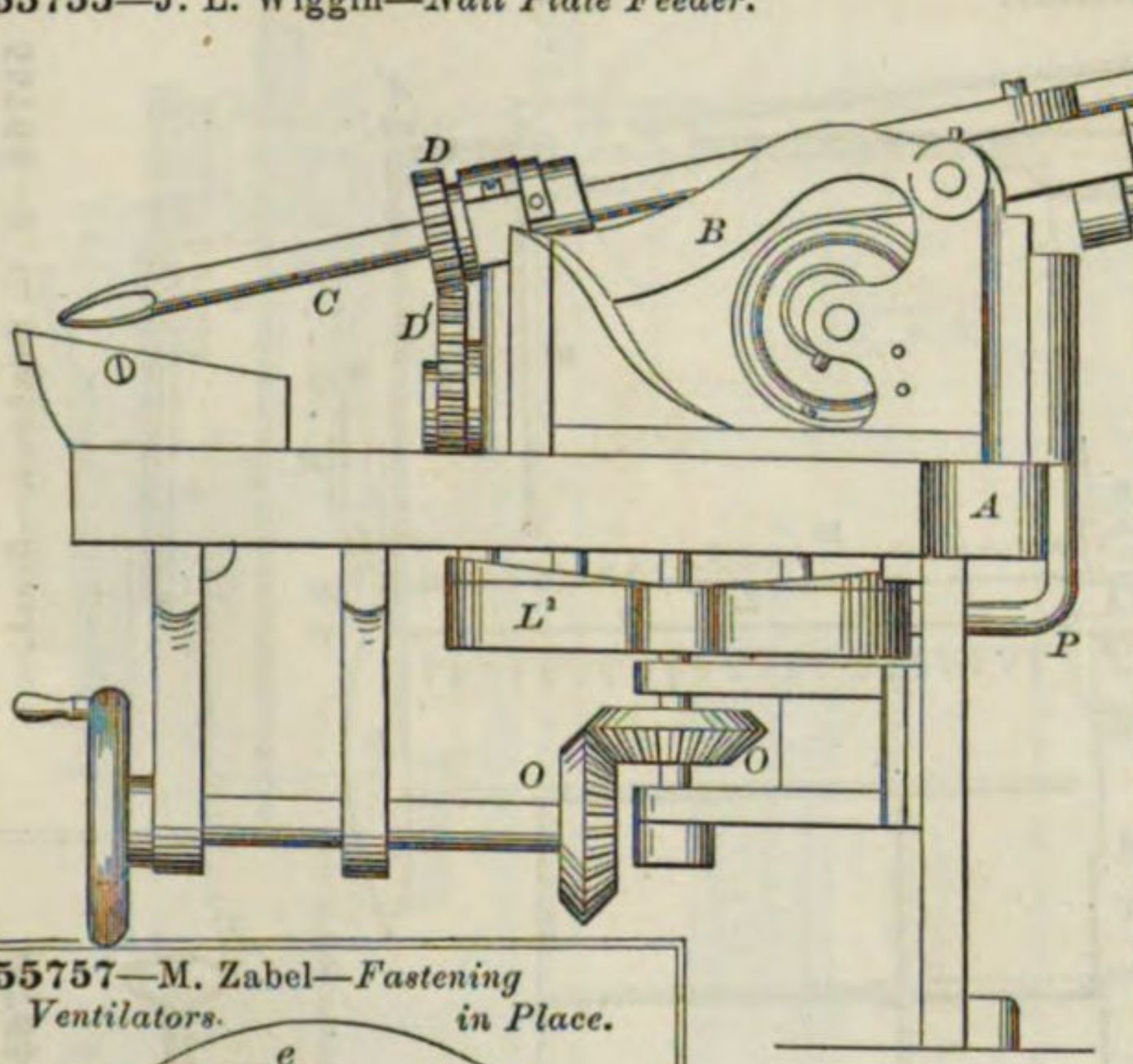
55752—H. F. Wheeler—*Fire Arm.*



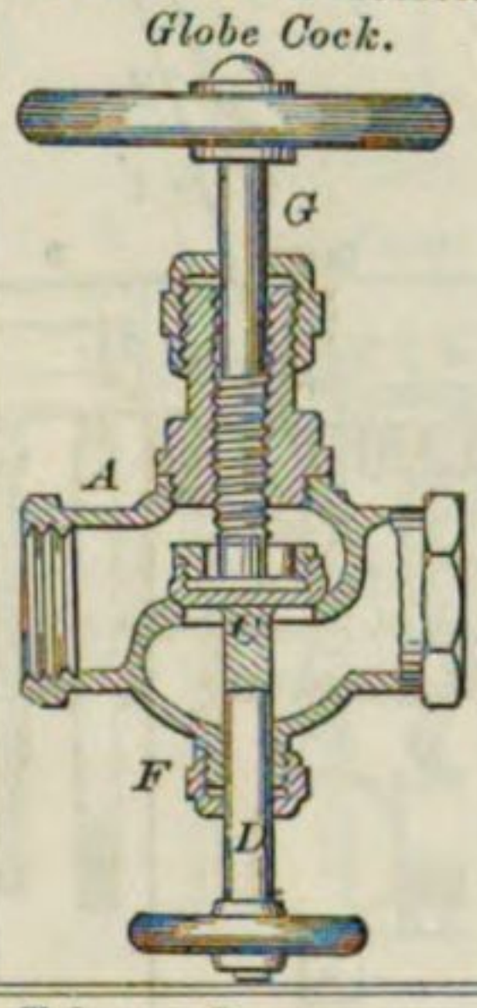
55750—A. Wadsworth—*Watch.*



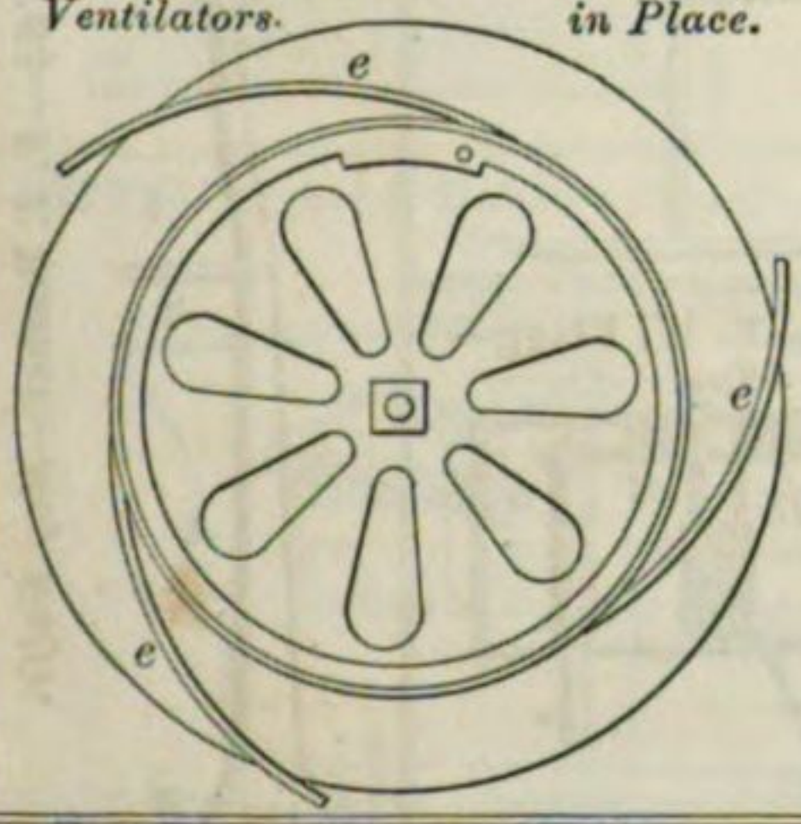
55755—J. L. Wiggin—*Nail Plate Feeder.*



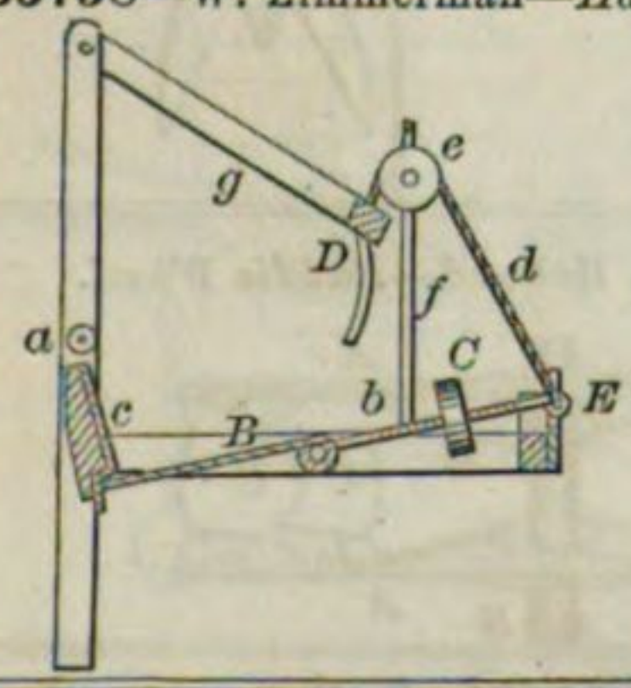
55756—J. Worcester—*Globe Cock.*



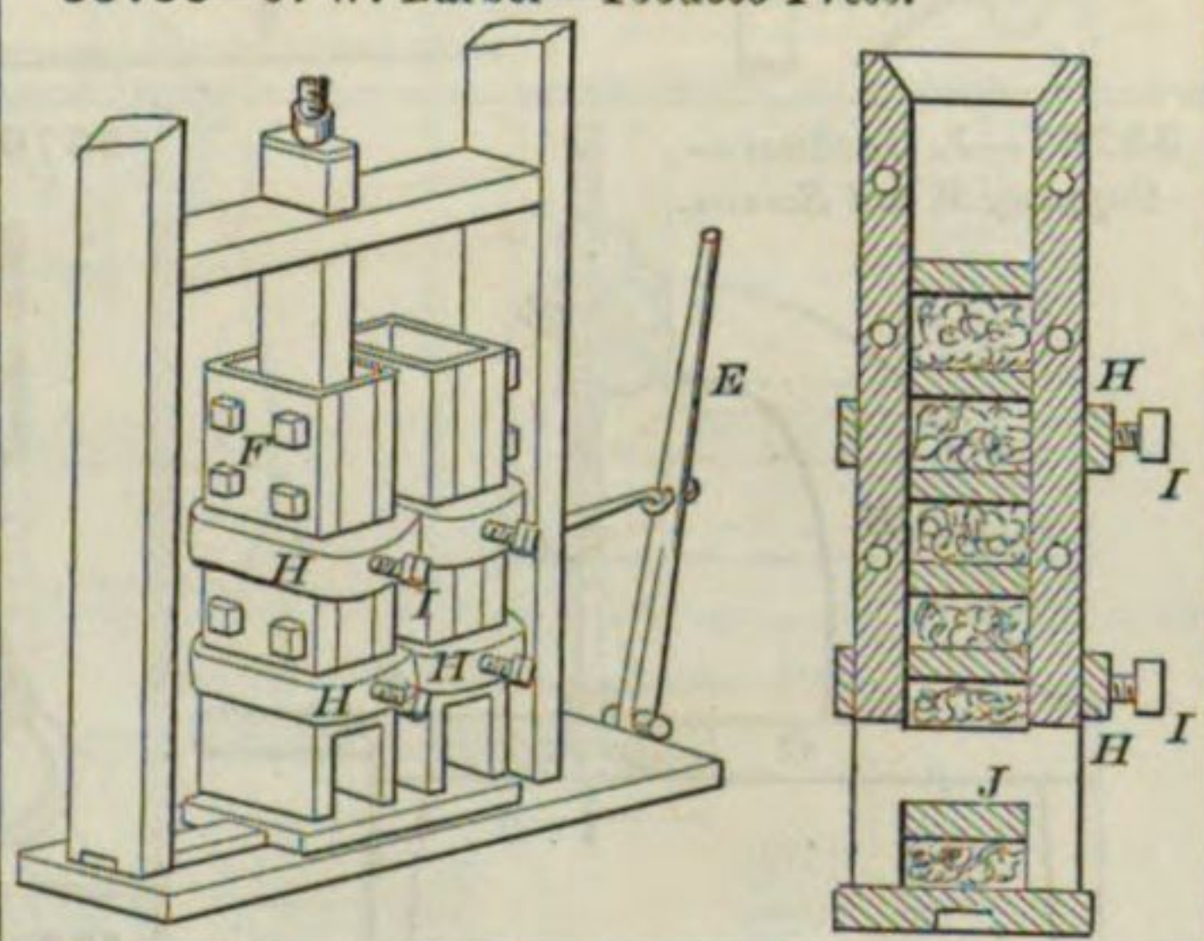
55757—M. Zabel—*Fastening Ventilators in Place.*



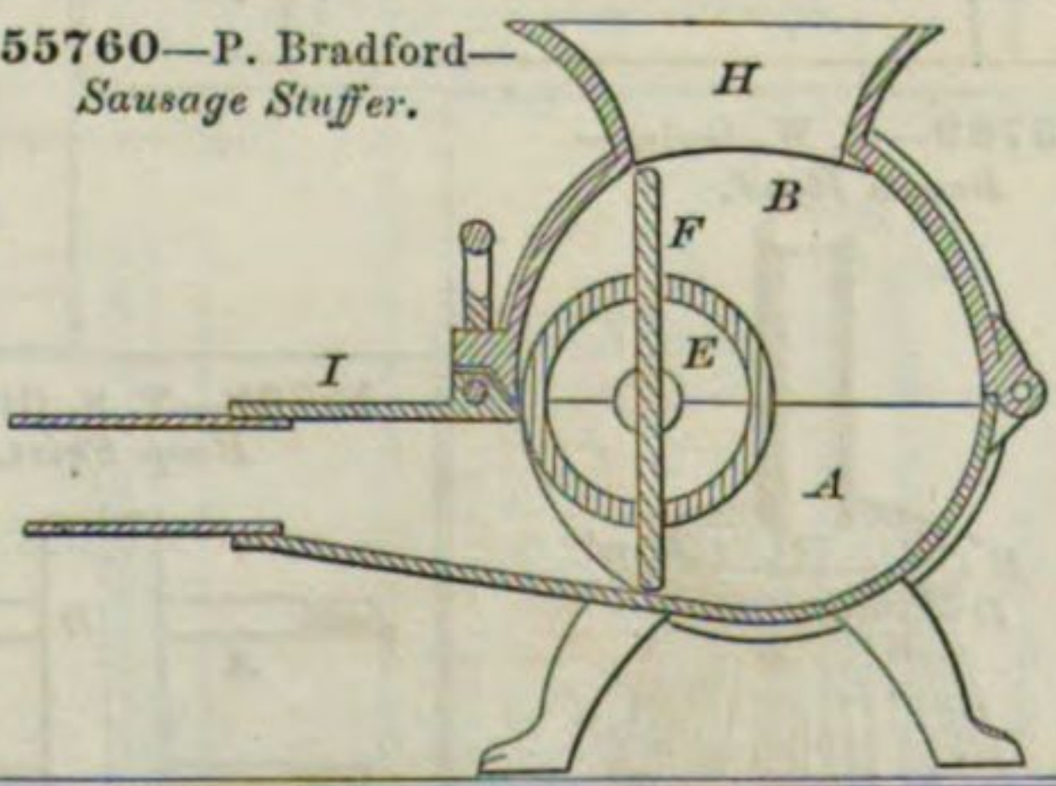
55758—W. Zimmerman—*Harvester.*



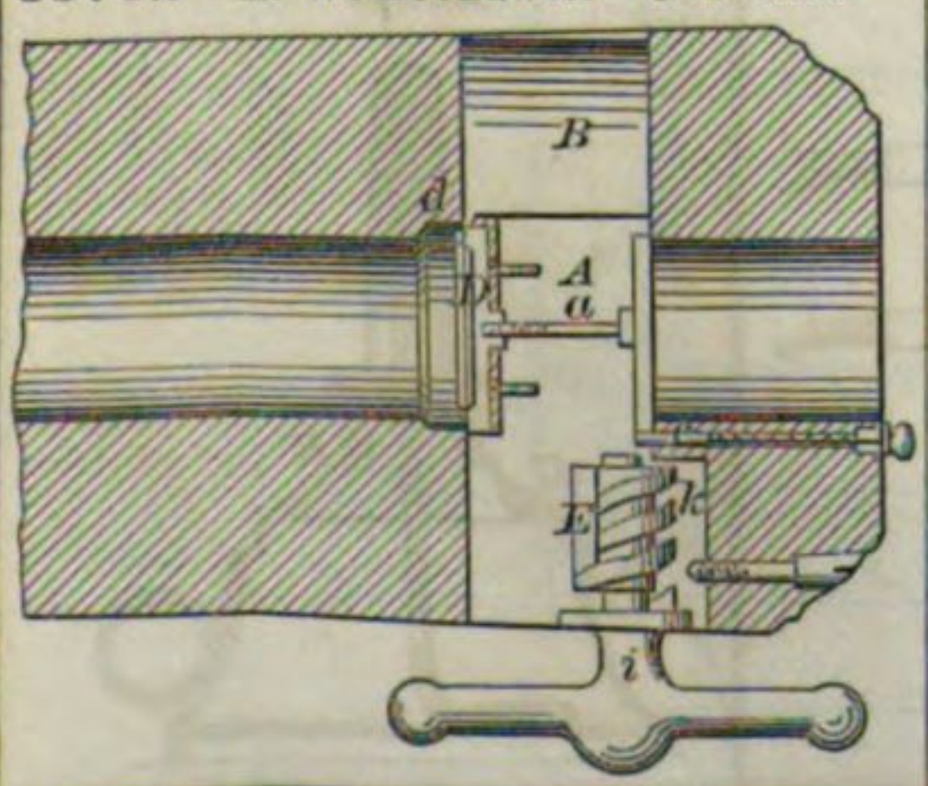
55759—J. W. Barber—*Tobacco Press.*



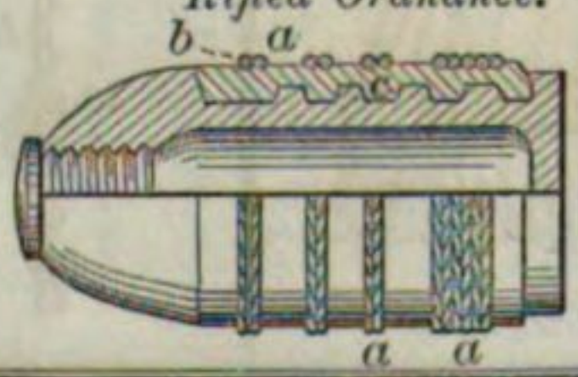
55760—P. Bradford—*Sausage Stuffer.*



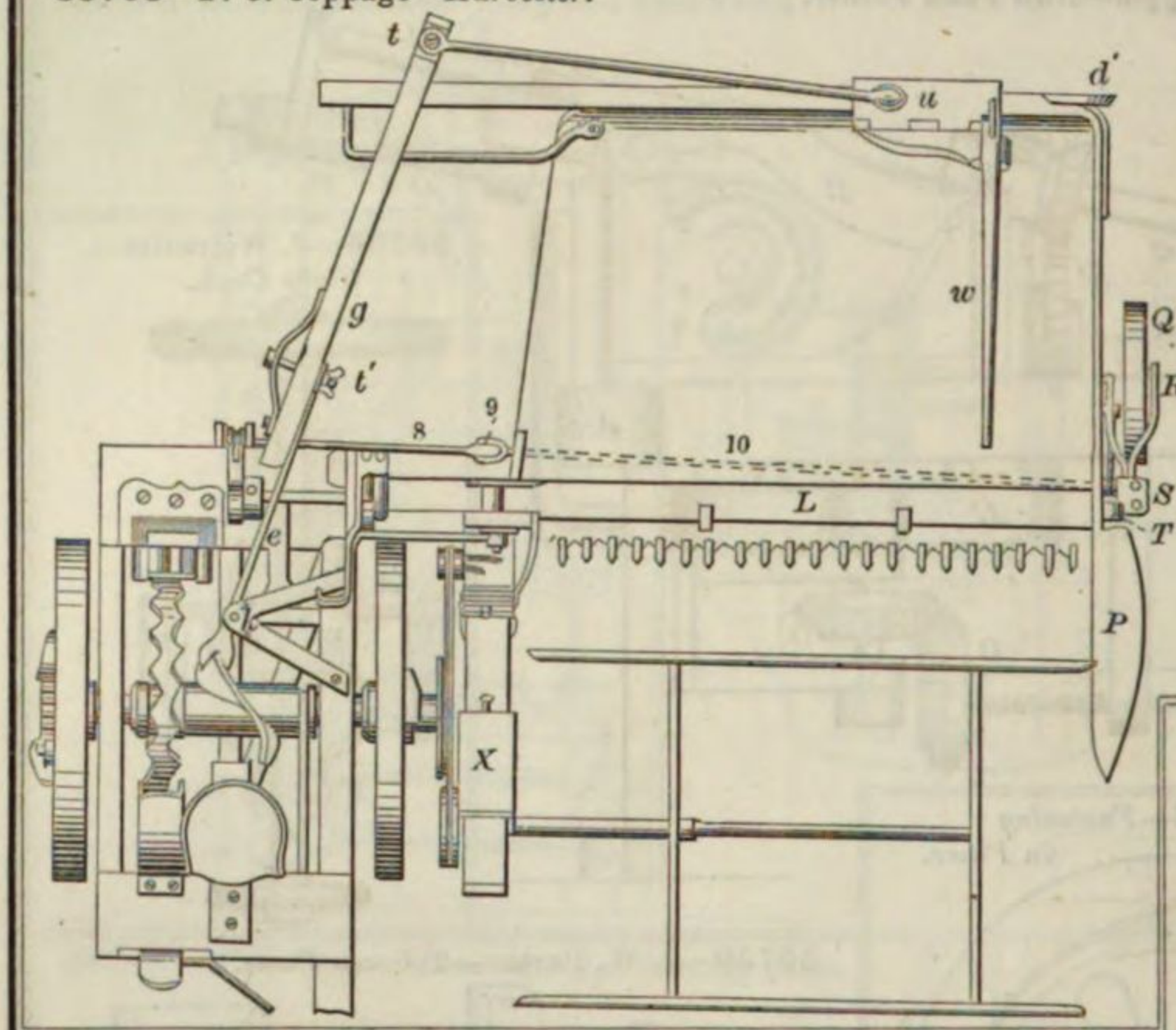
55762—L. W. Broadwell—*Ordnance.*



55761—L. W. Broadwell—*Packing Projectiles for Rifled Ordnance.*



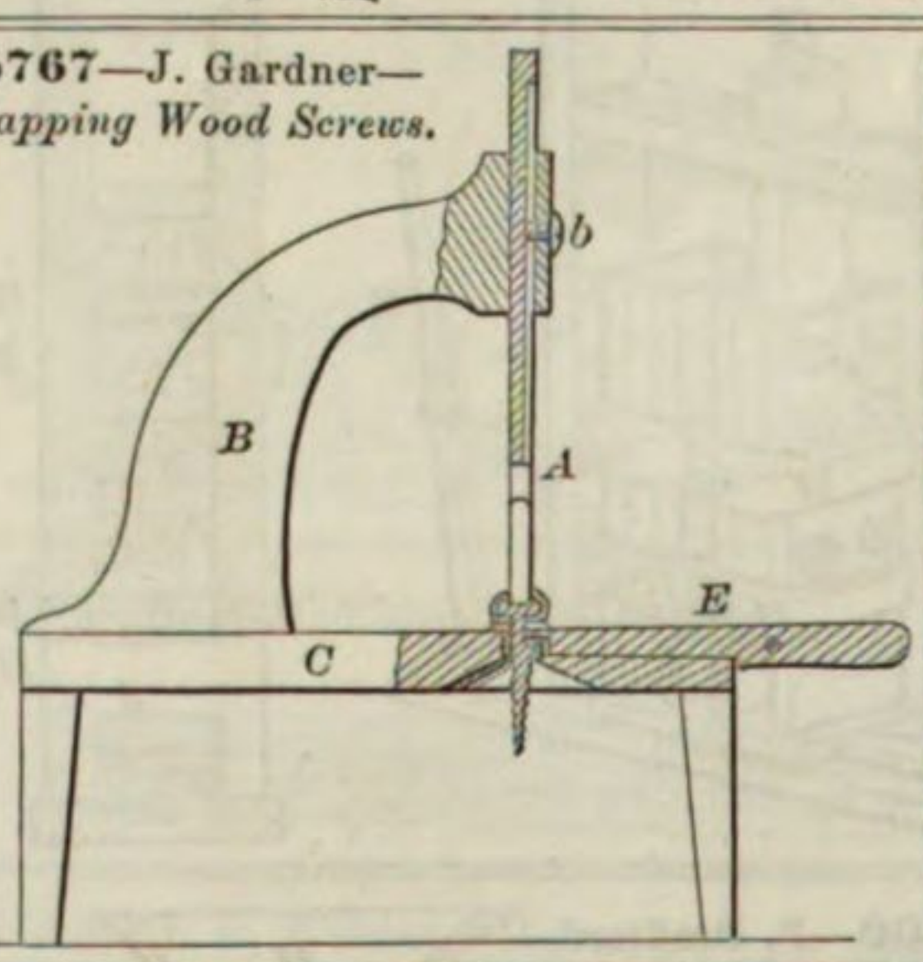
55763—F. C. Coppage—*Harvester.*



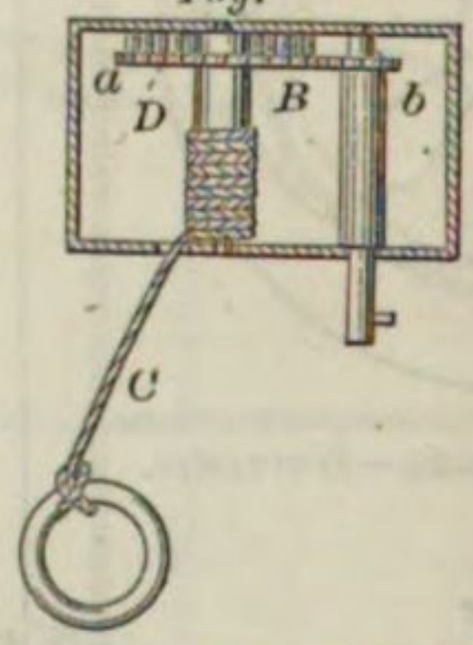
55764—A. C. Estabrook—*Brush.*

55765—F. J. Fischer—*Hay Knife.*

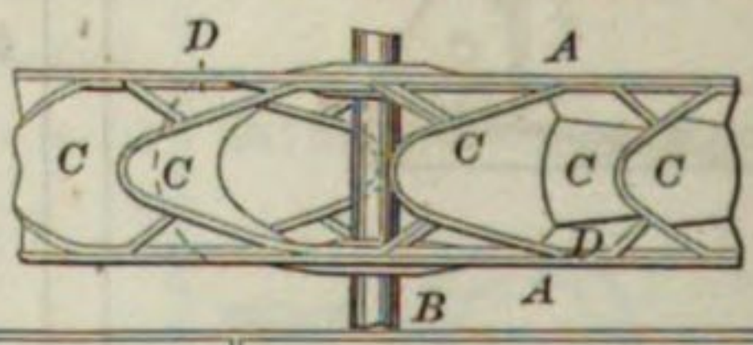
55767—J. Gardner—*Capping Wood Screws.*



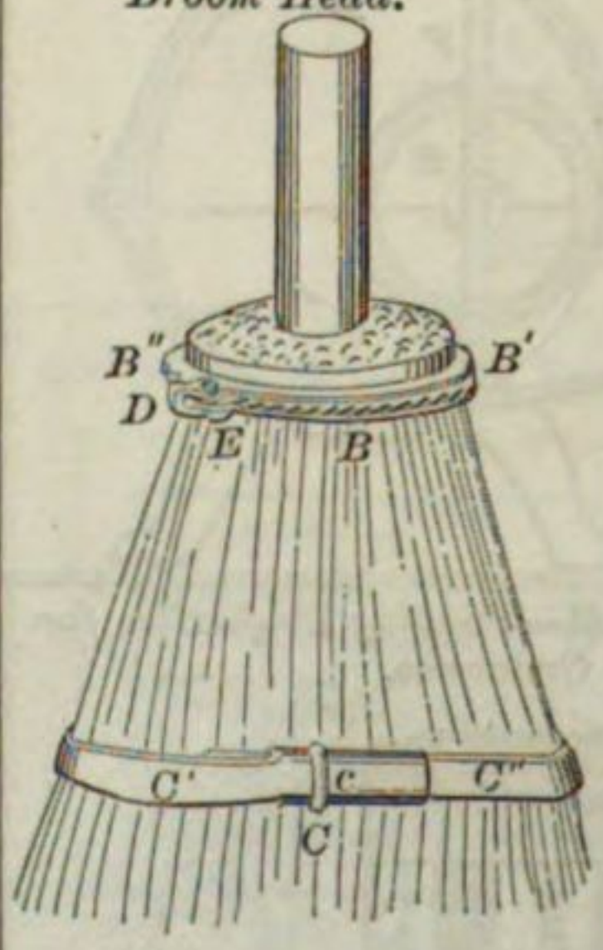
55766—F. W. Flagg—*Toy.*



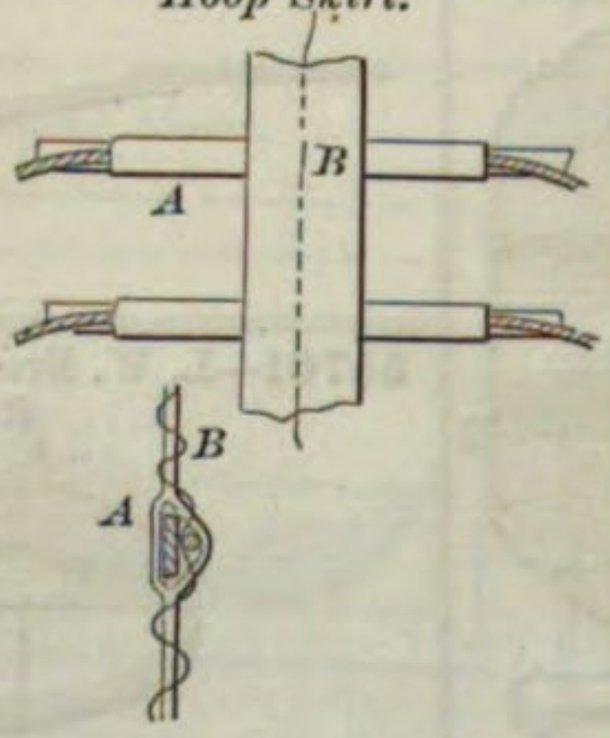
55770—W. H. Holland—*Paddle Wheel.*



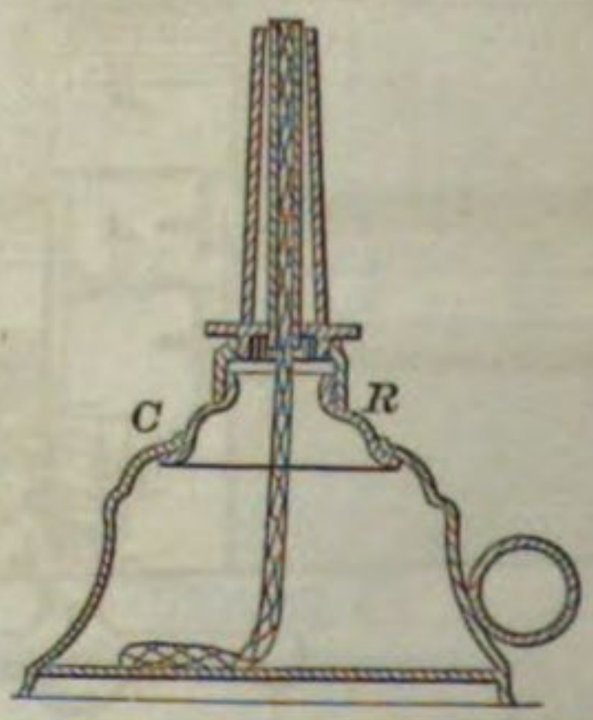
55769—G. W. Golay—*Broom Head.*



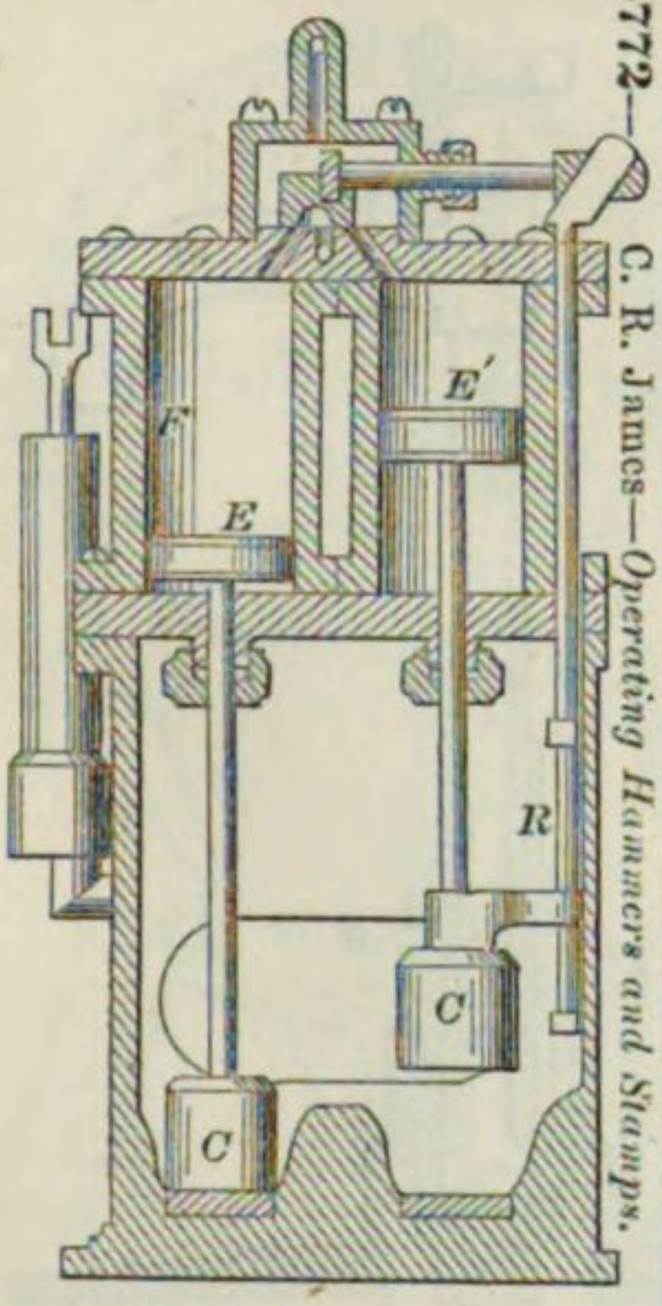
55768—T. S. Gilbert—*Hoop Skirt.*



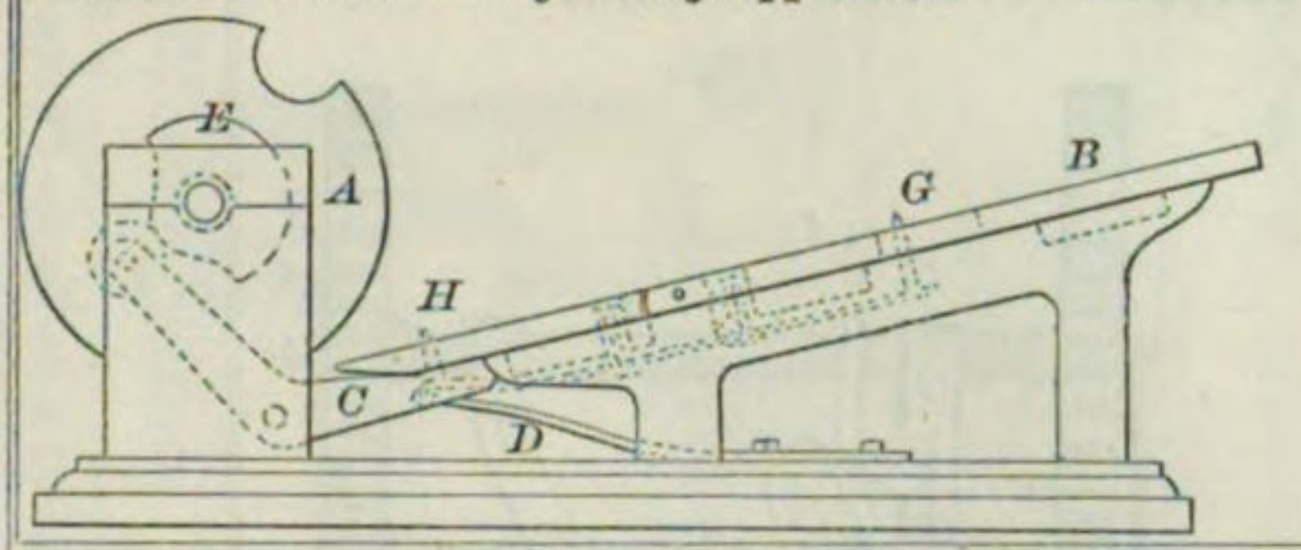
55771—D. Howarth—*Lamp.*



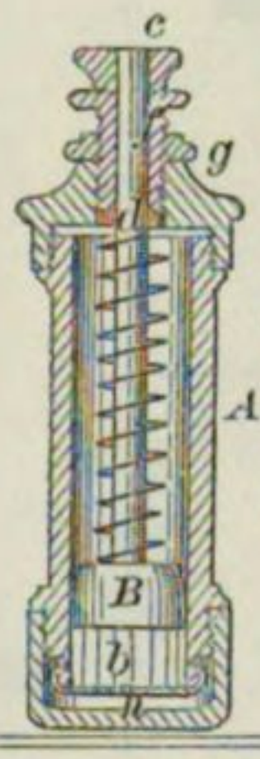
55772—C. R. James—*Operating Hammers and Stamps.*



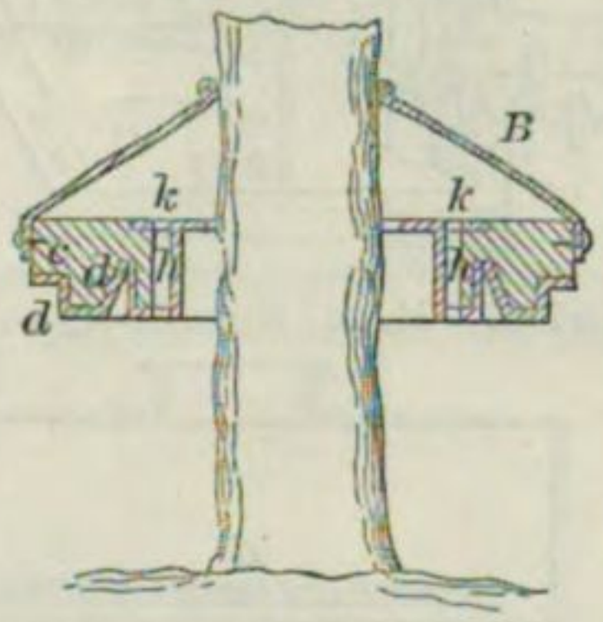
55774—J. Kirk—*Registering Apparatus.*



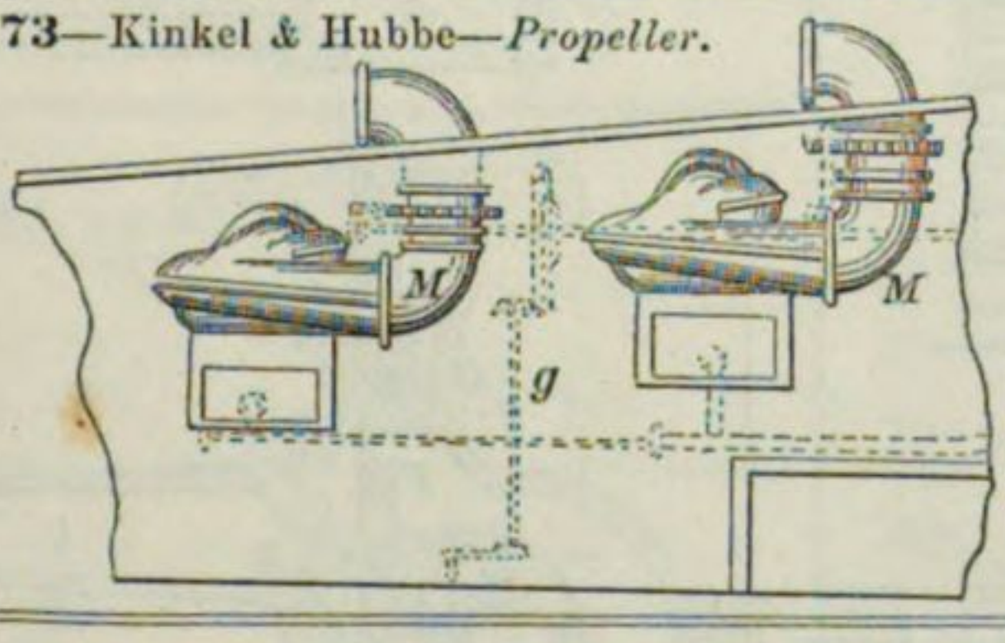
55775—F. Klee—*Instrument for Irritating the Skin.*

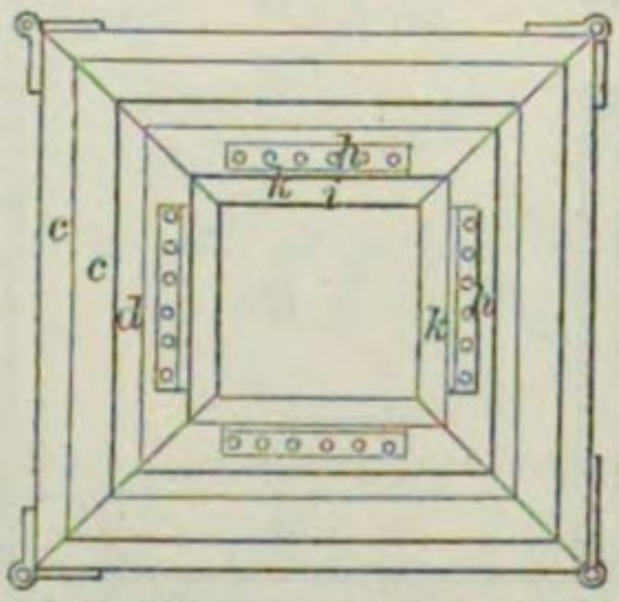


55776—W. & D. McCaine—*Tree Protector.*

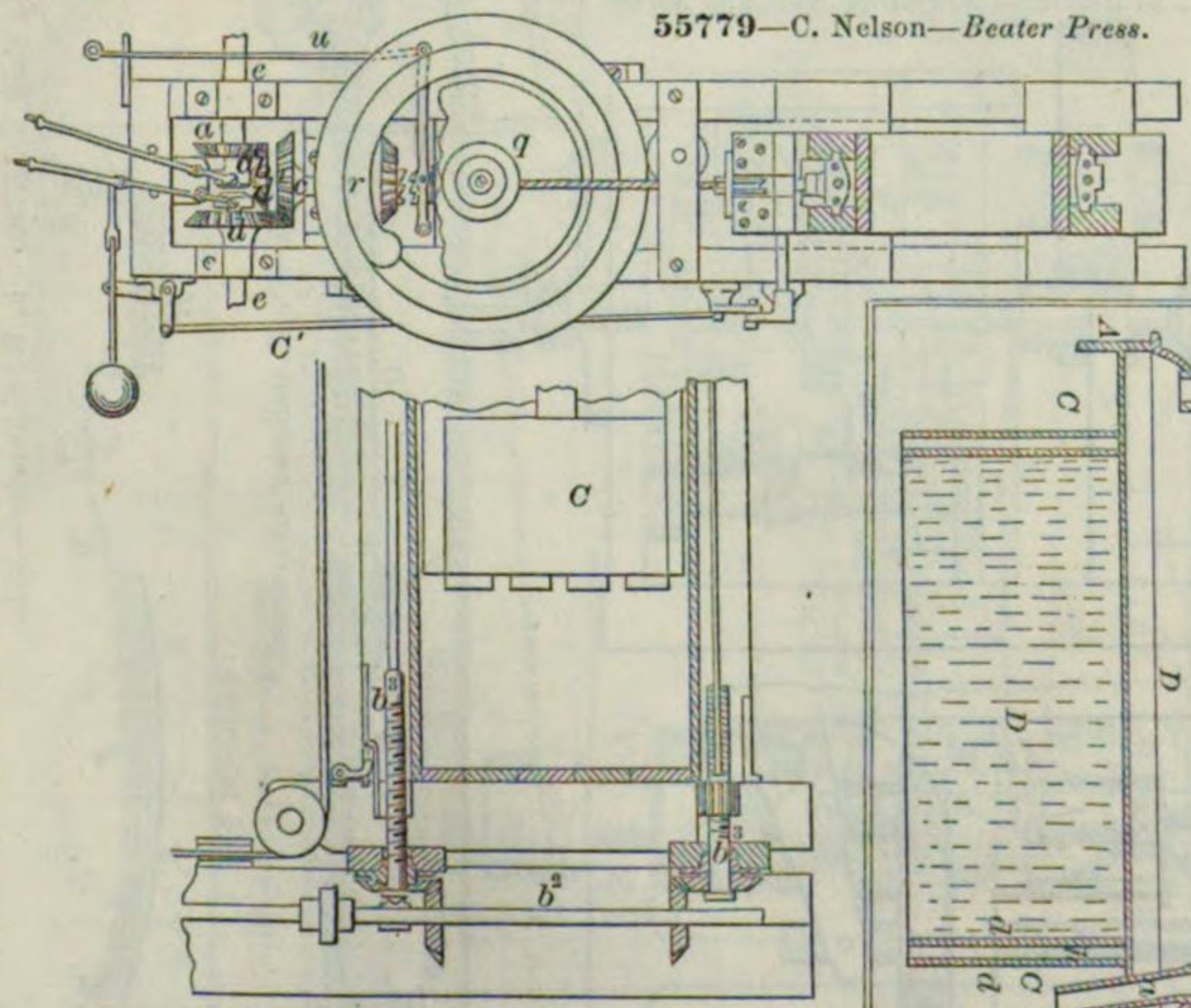


55773—Kinkel & Hubbe—*Propeller.*

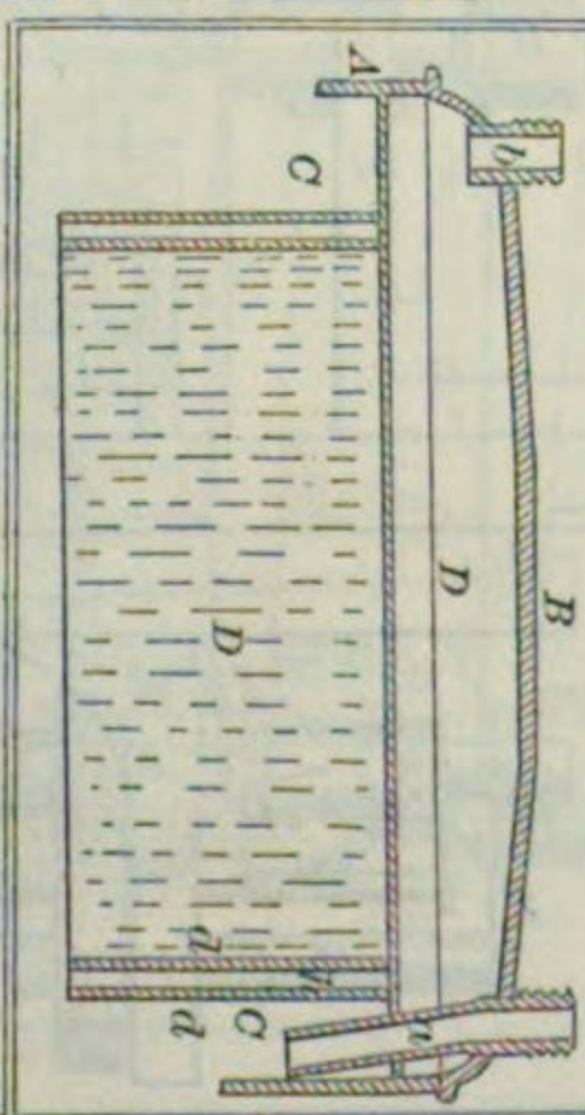




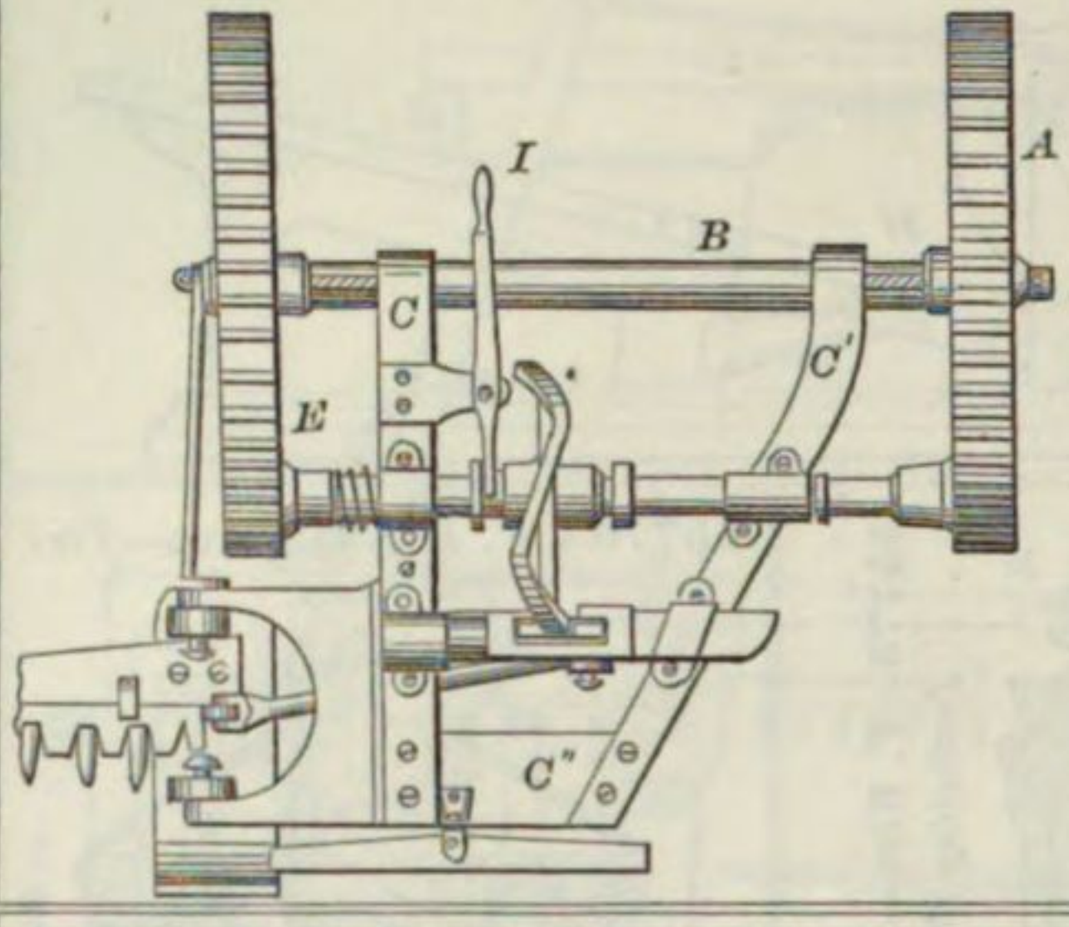
55779—C. Nelson—*Beater Press.*



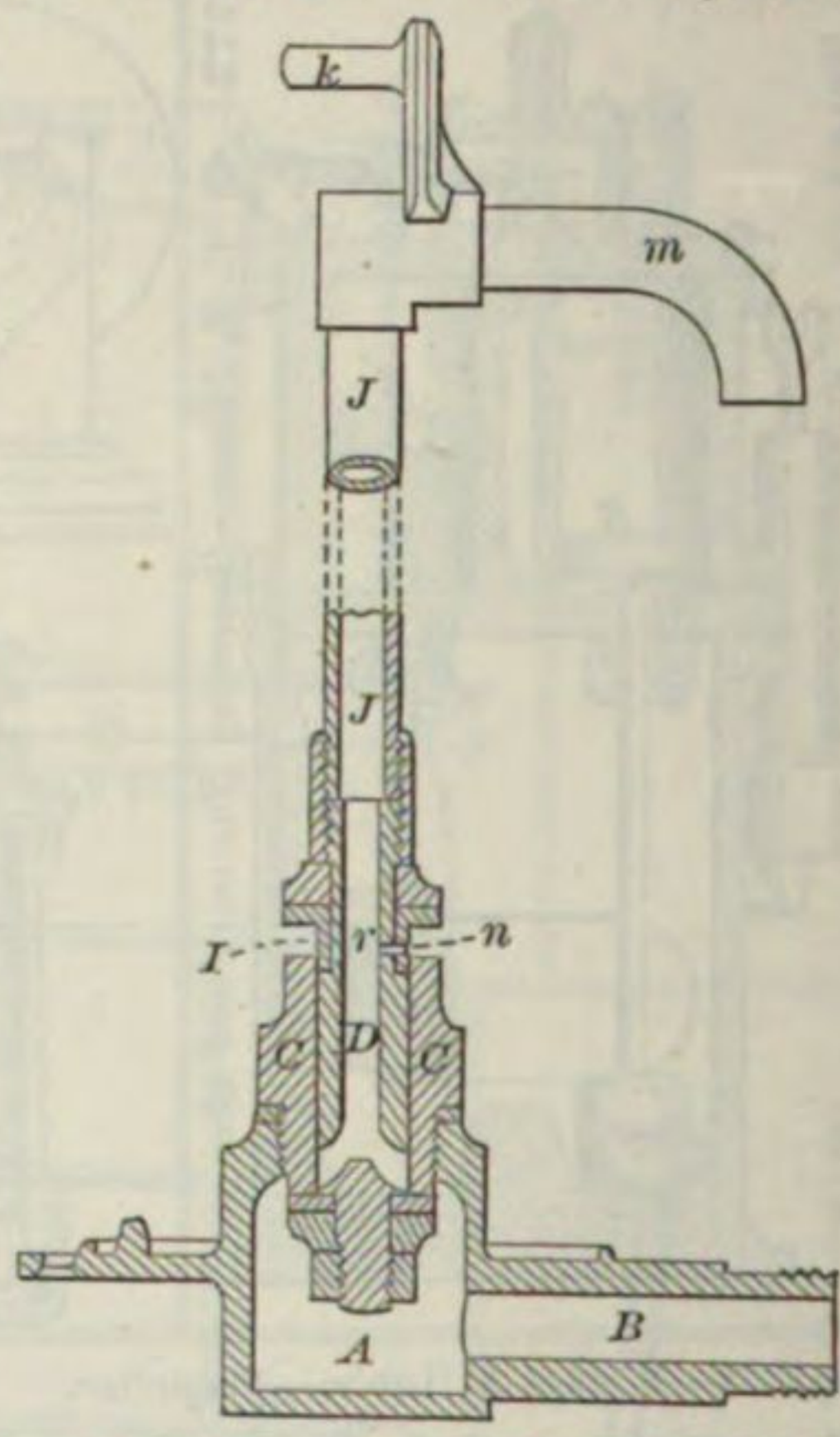
55778—A. C. Messenger—*Apparatus for Carburetting Air.*



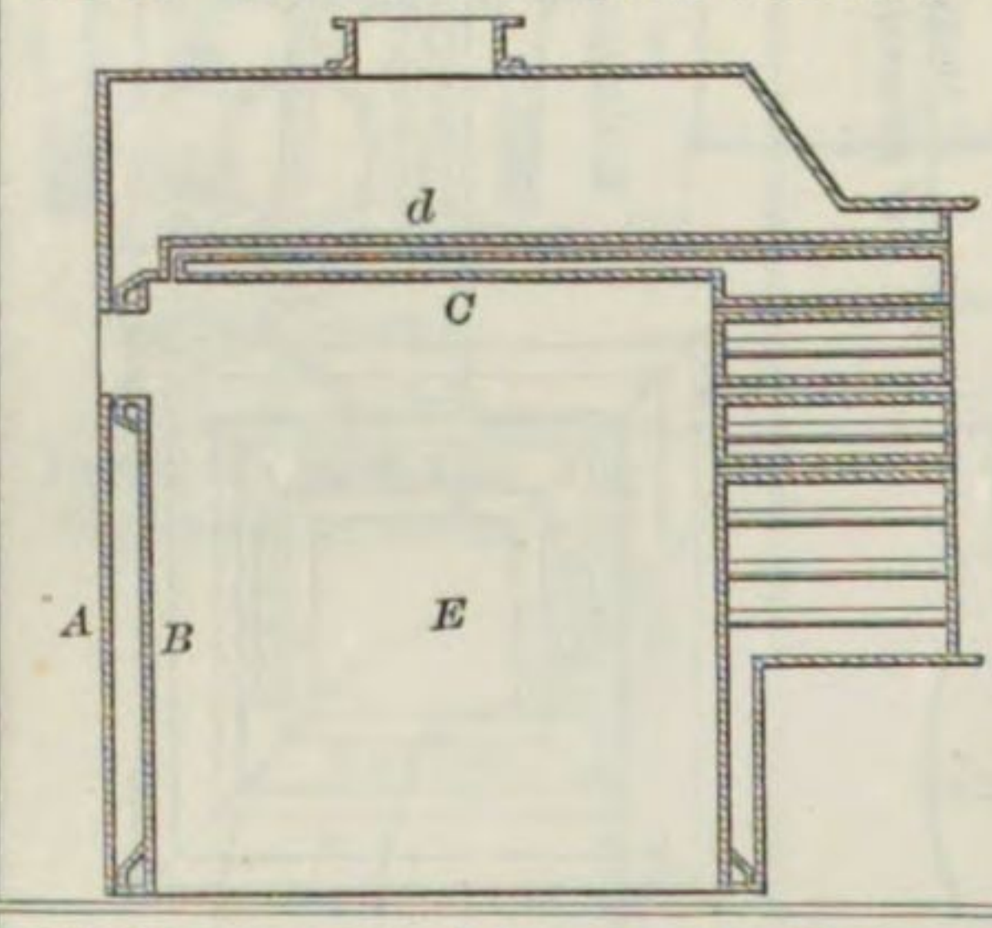
55780—D. G. Norris—*Harvester.*



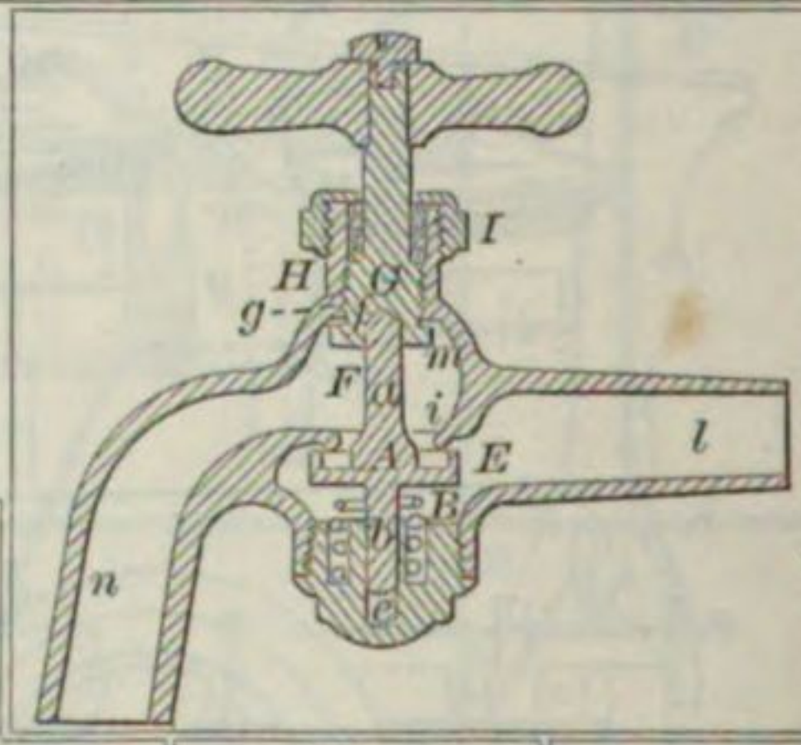
55782—Pixley & Robertson—*Hydrant.*



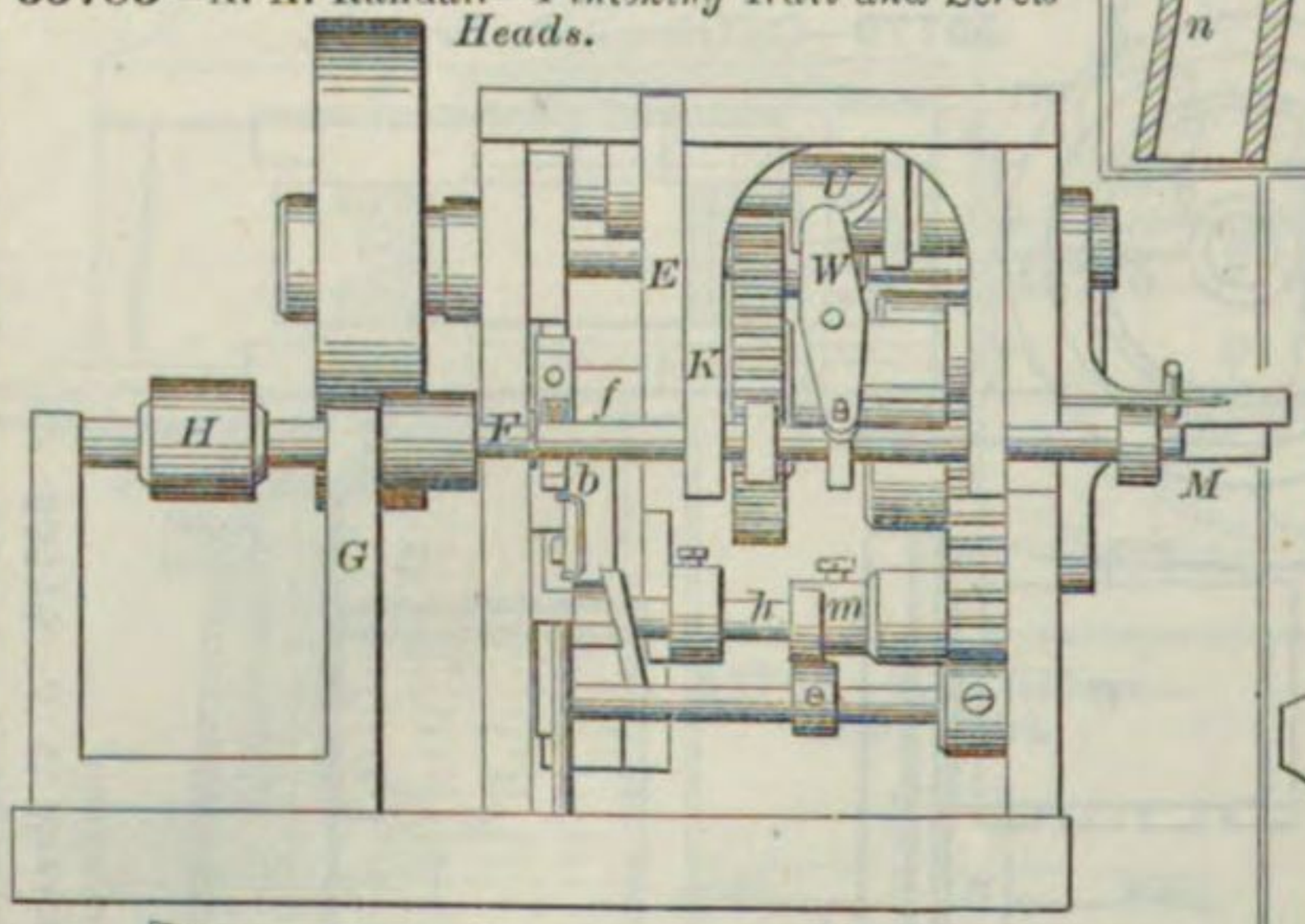
55785—M. M. Rounds—*Steam Generator.*



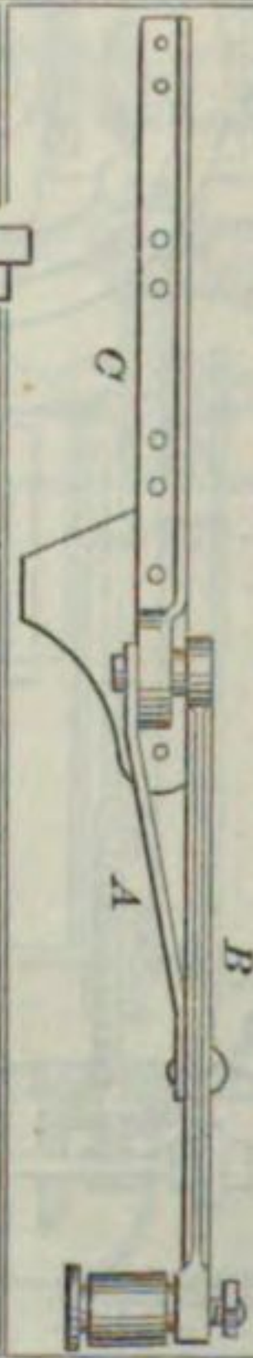
55784—F. Roach—*Stop Cock.*



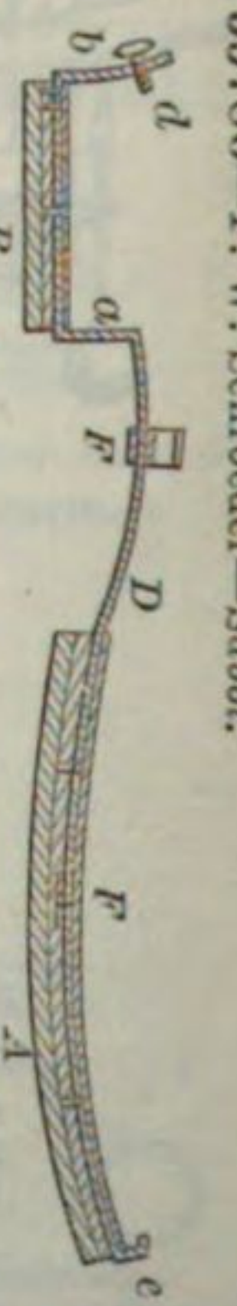
55783—A. A. Randall—*Finishing Nail and Screw Heads.*



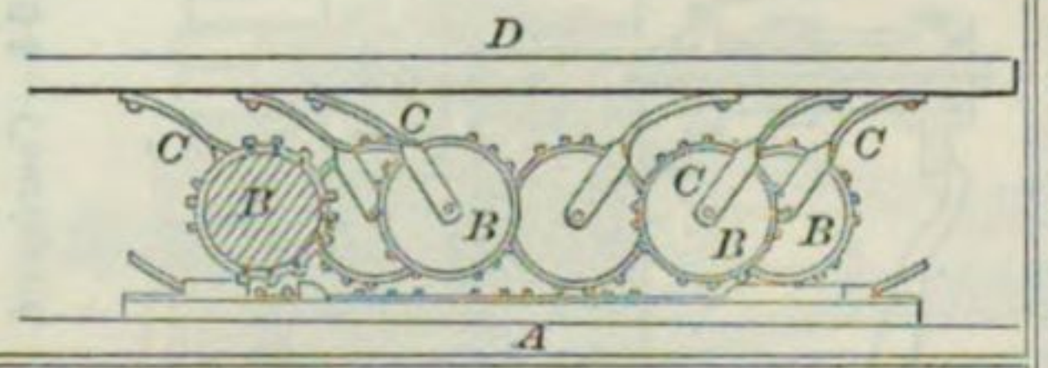
55781—D. M. Osborne—*Harvester.*



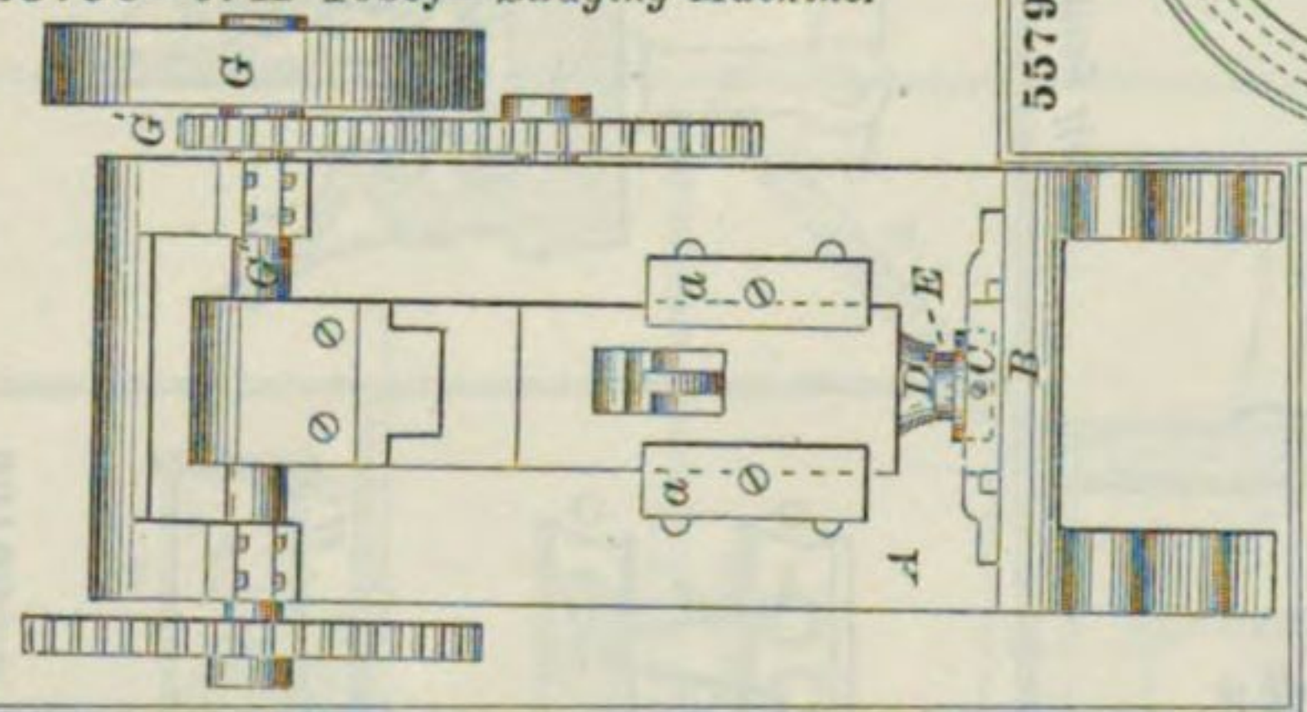
55786—F. W. Schroeder—*Sabot.*



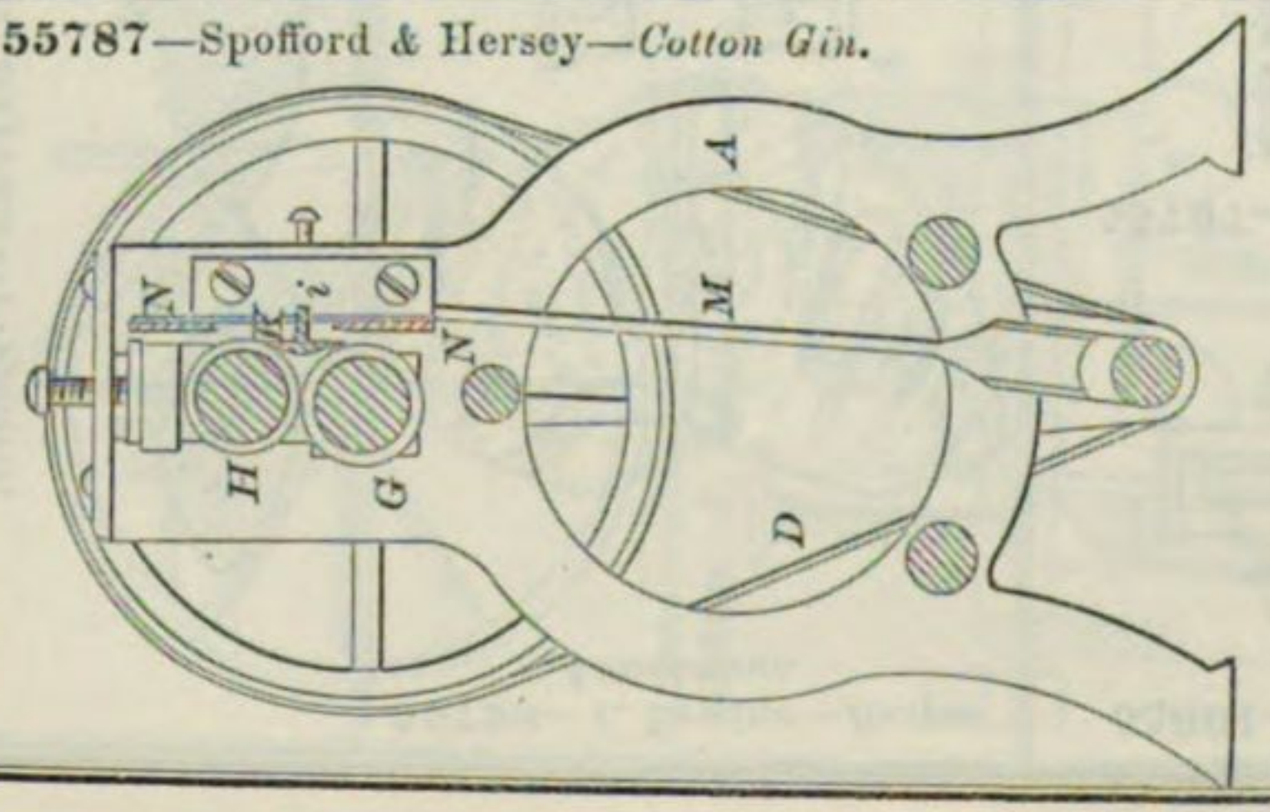
55788—R. C. Swann—*Smut Machine.*



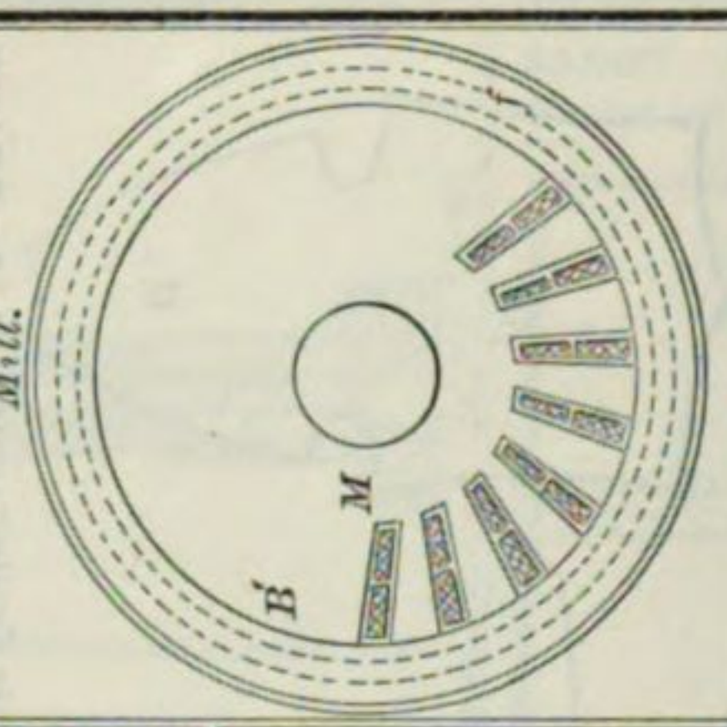
55790—J. H Tobey—*Swaging Machine.*



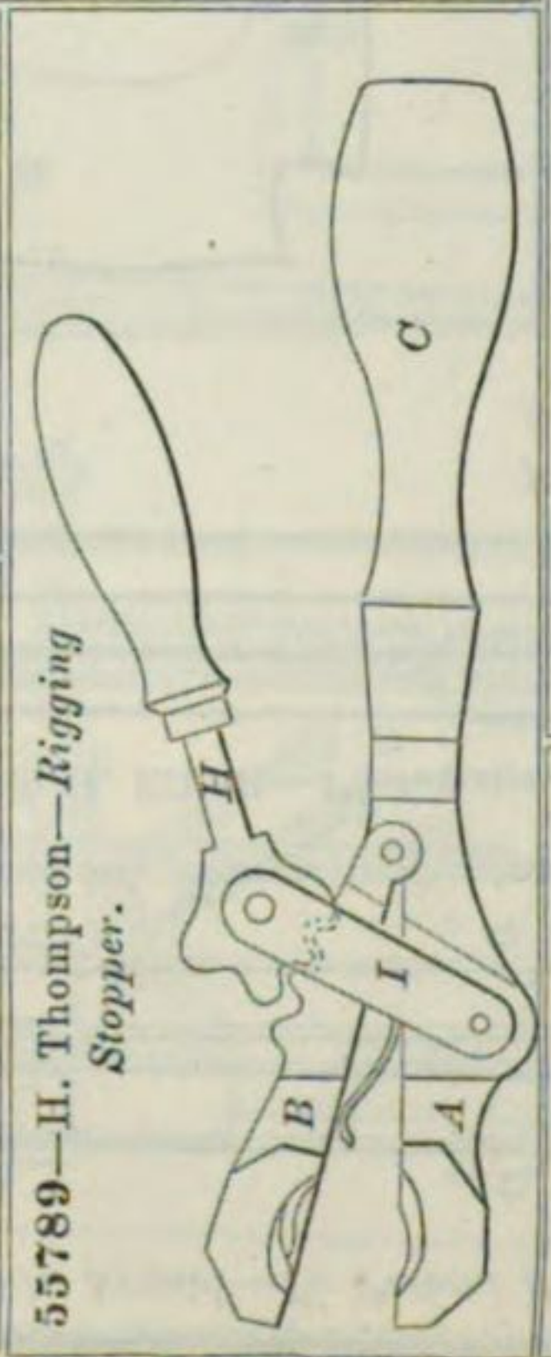
55787—Spofford & Hersey—*Cotton Gin.*



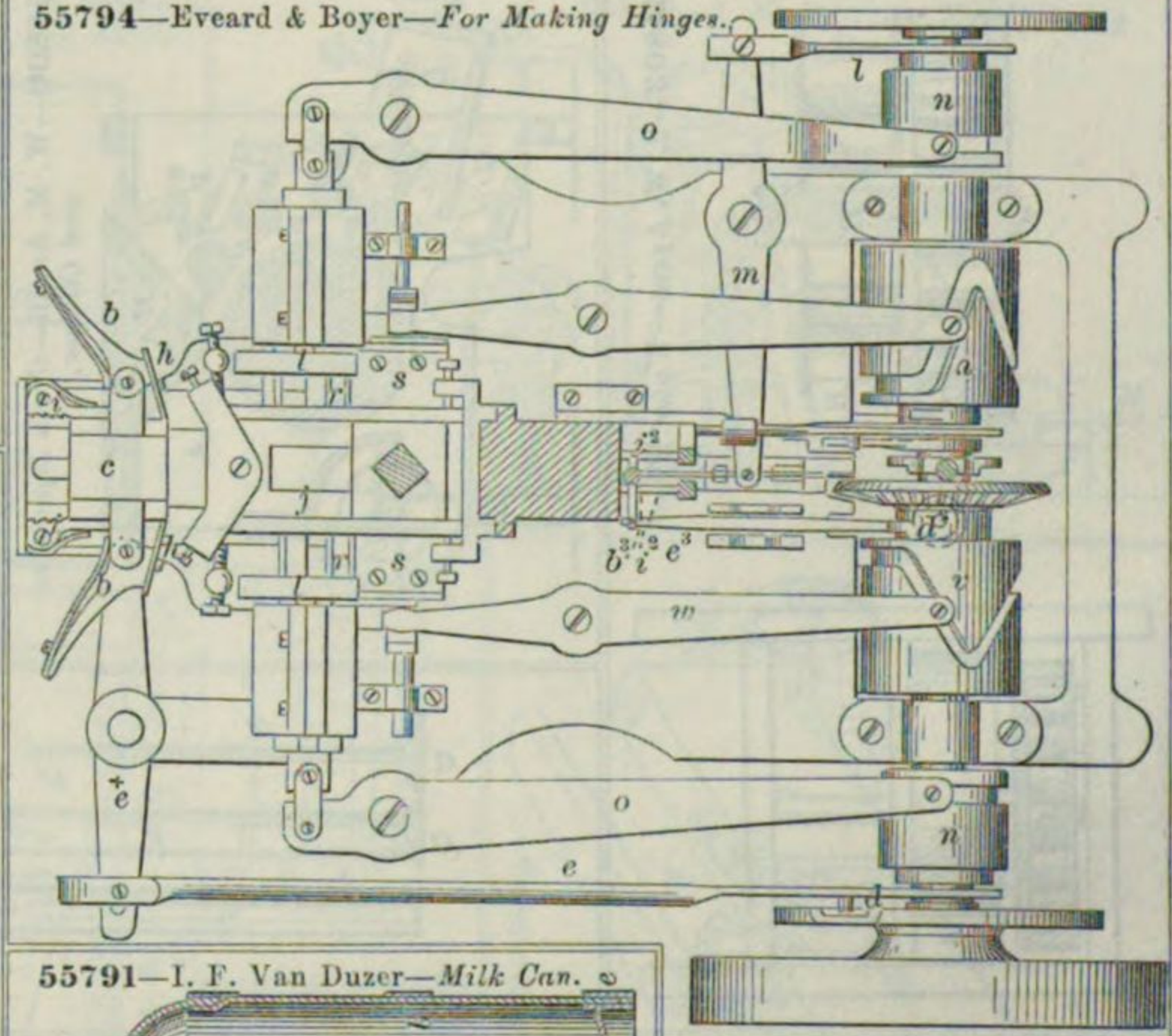
55792—J. Aubin—*Grinding Mill.*



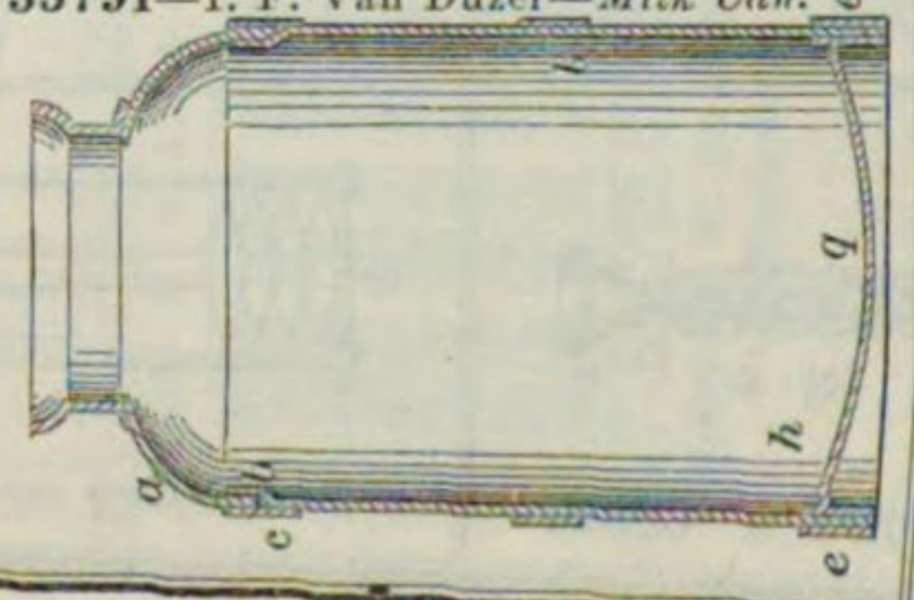
55789—H. Thompson—*Rigging Stopper.*



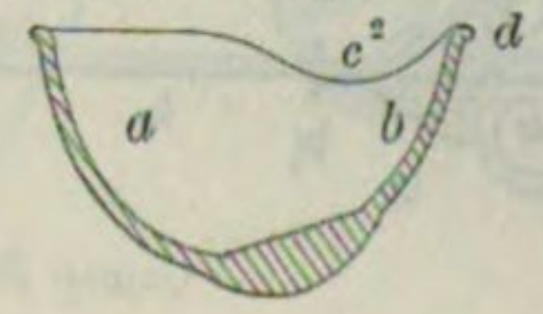
55794—Eveard & Boyer—*For Making Hinges.*



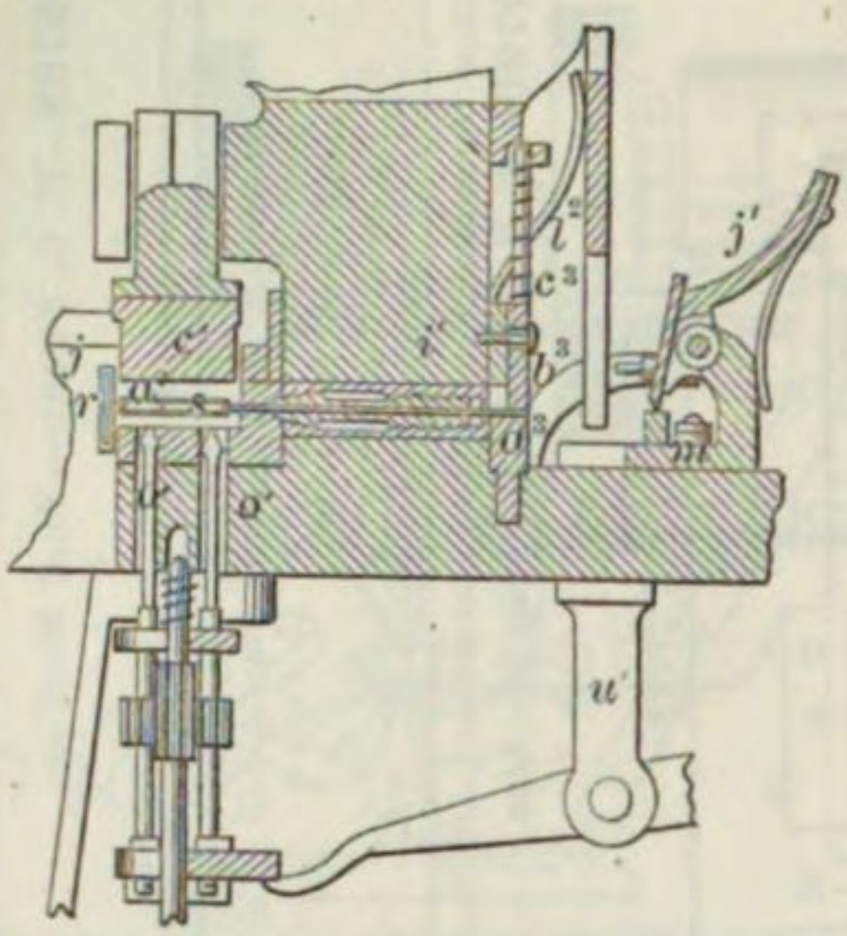
55791—I. F. Van Duzer—*Milk Can.*



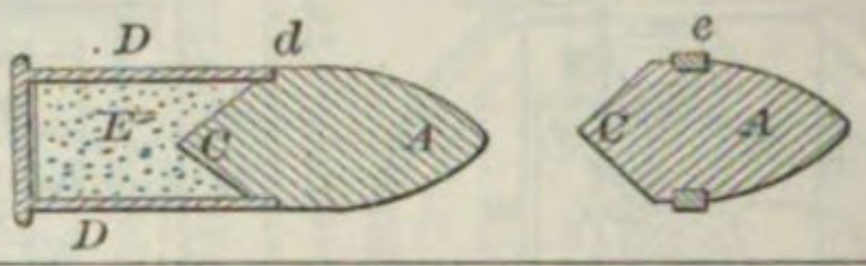
55793—A. Boissonneau—*Artificial Eye.*



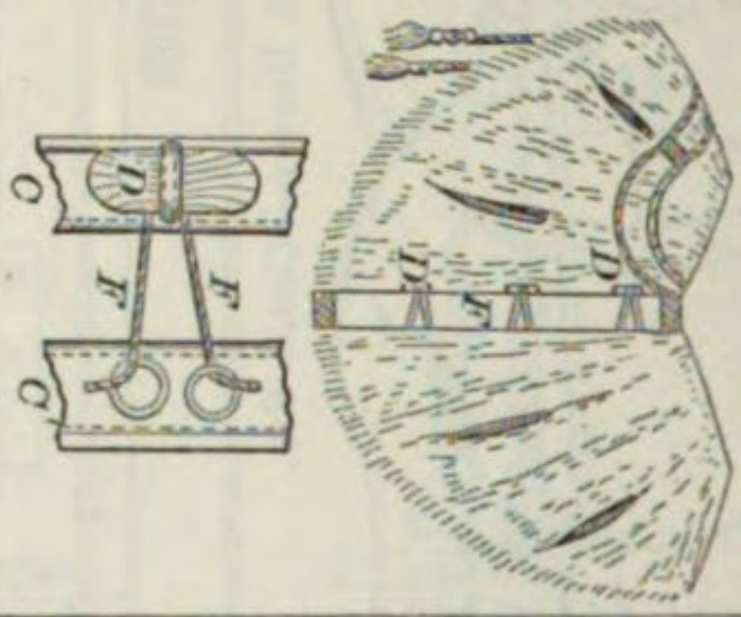
55794—*Continued.*



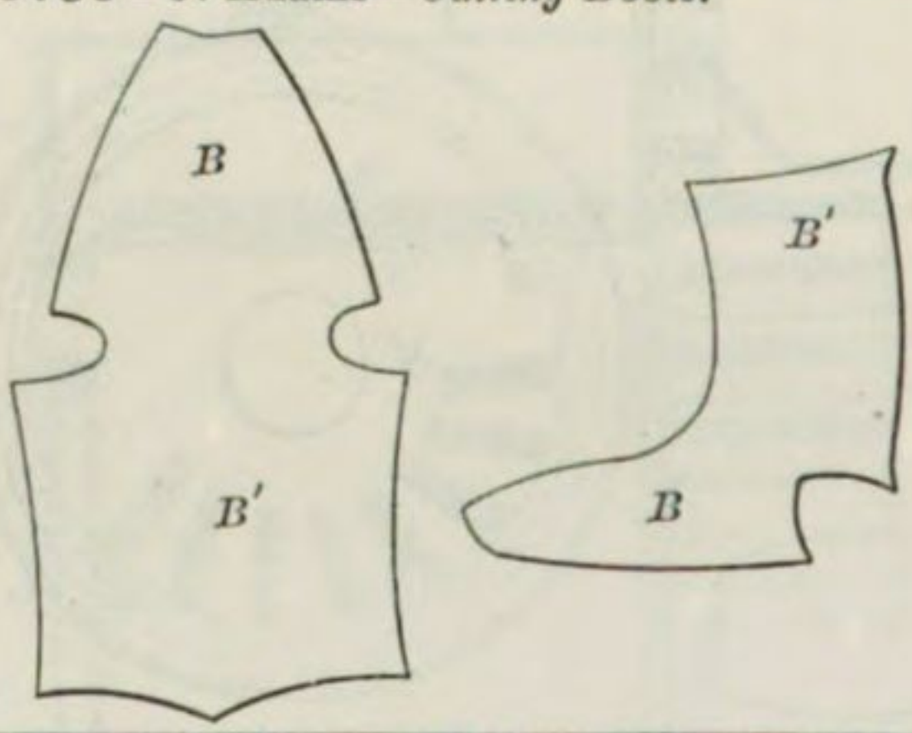
55796—S. H. Haycock—*Projectile.*



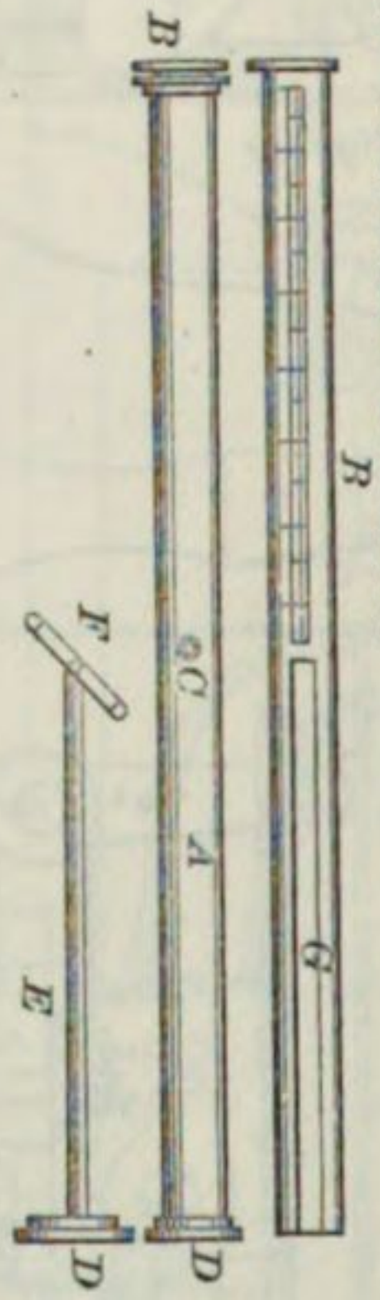
55798—I. Lewine—*Button Attachment.*



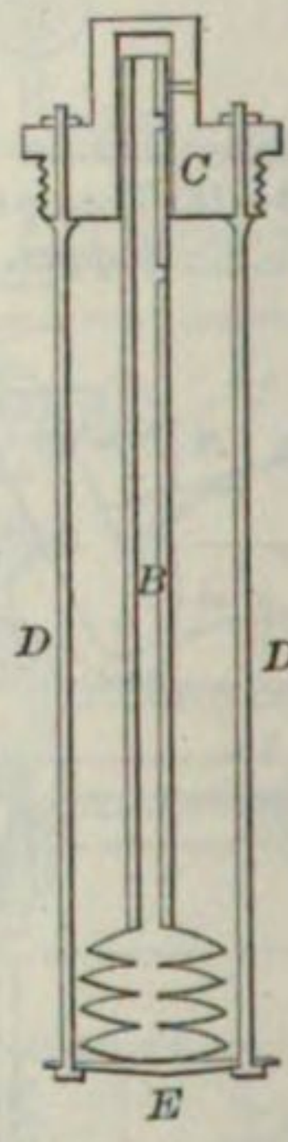
55799—J. Adams—*Cutting Boots.*



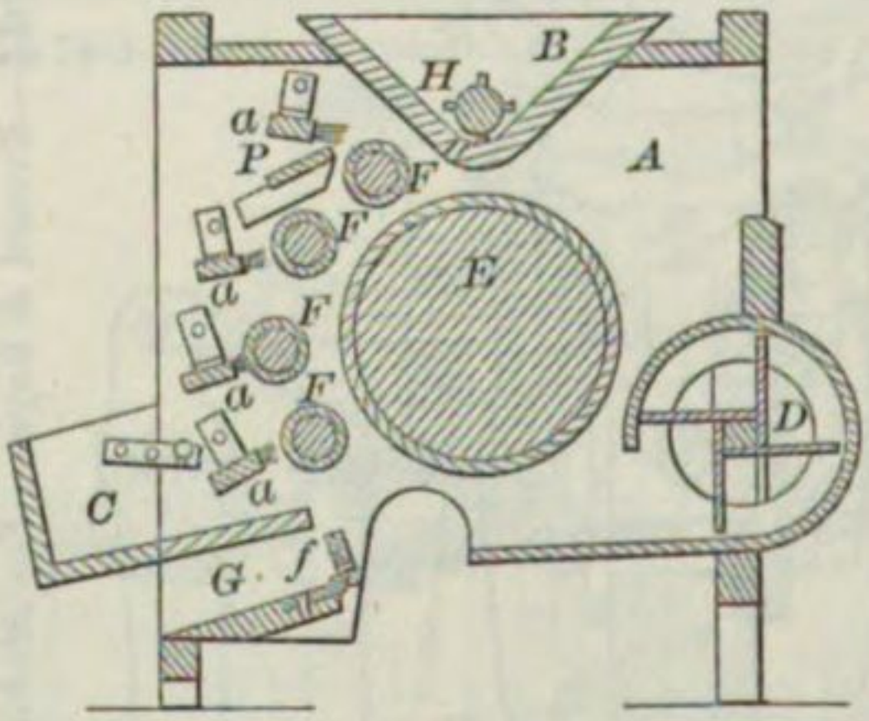
55797—S. G. Elliott—*Photometer.*



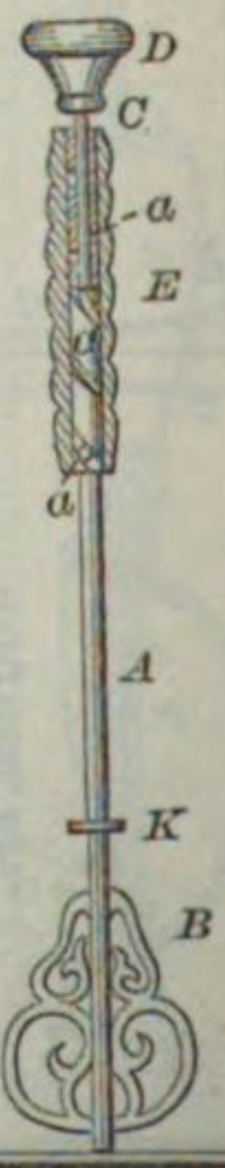
55801—A. Arnold—*To Prevent Boiler Explosions.*



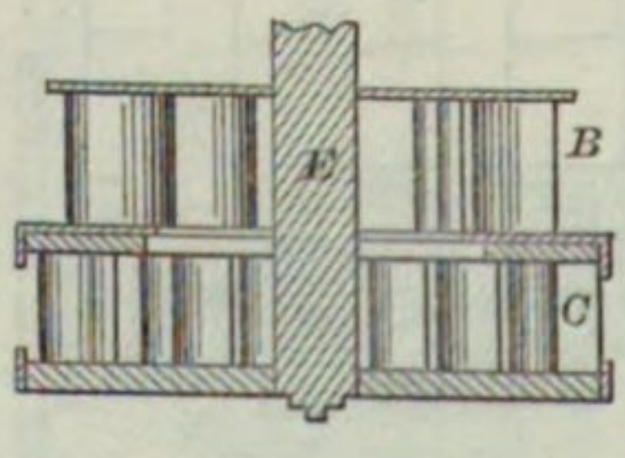
55800—W. M. Arnall—*Grain Separator and Cleaner.*

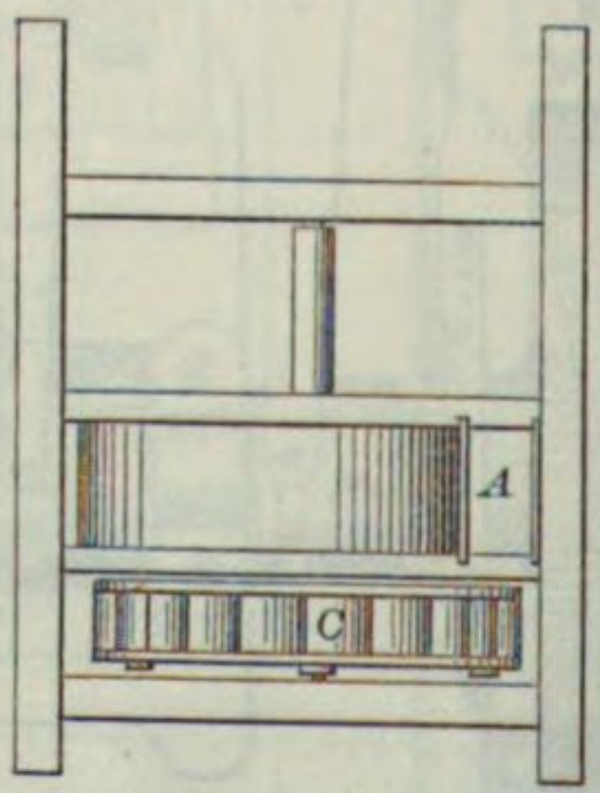


55802—F. Ashley—*Egg Beater.*

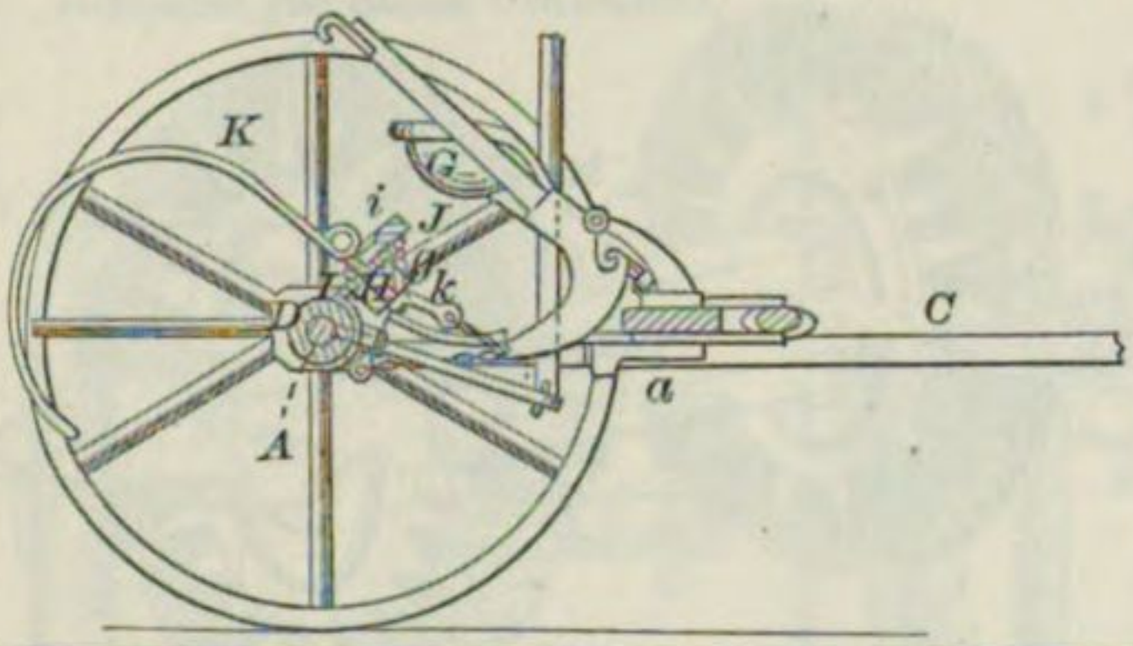


55803—S. W. Ayres—*Water Wheel.*

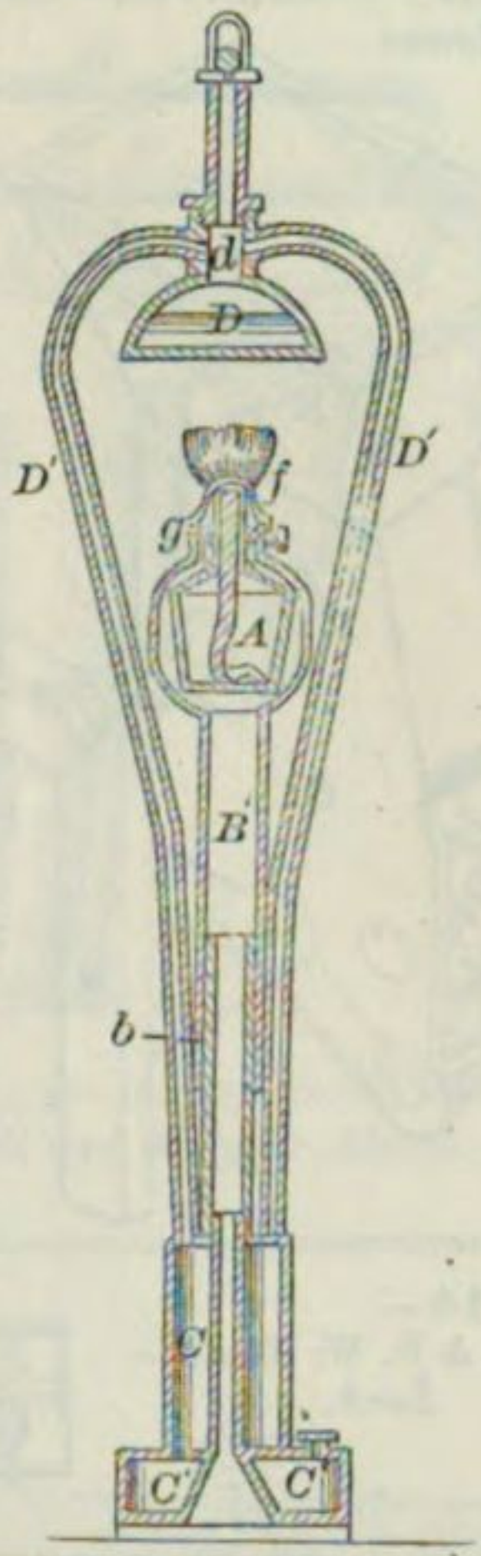




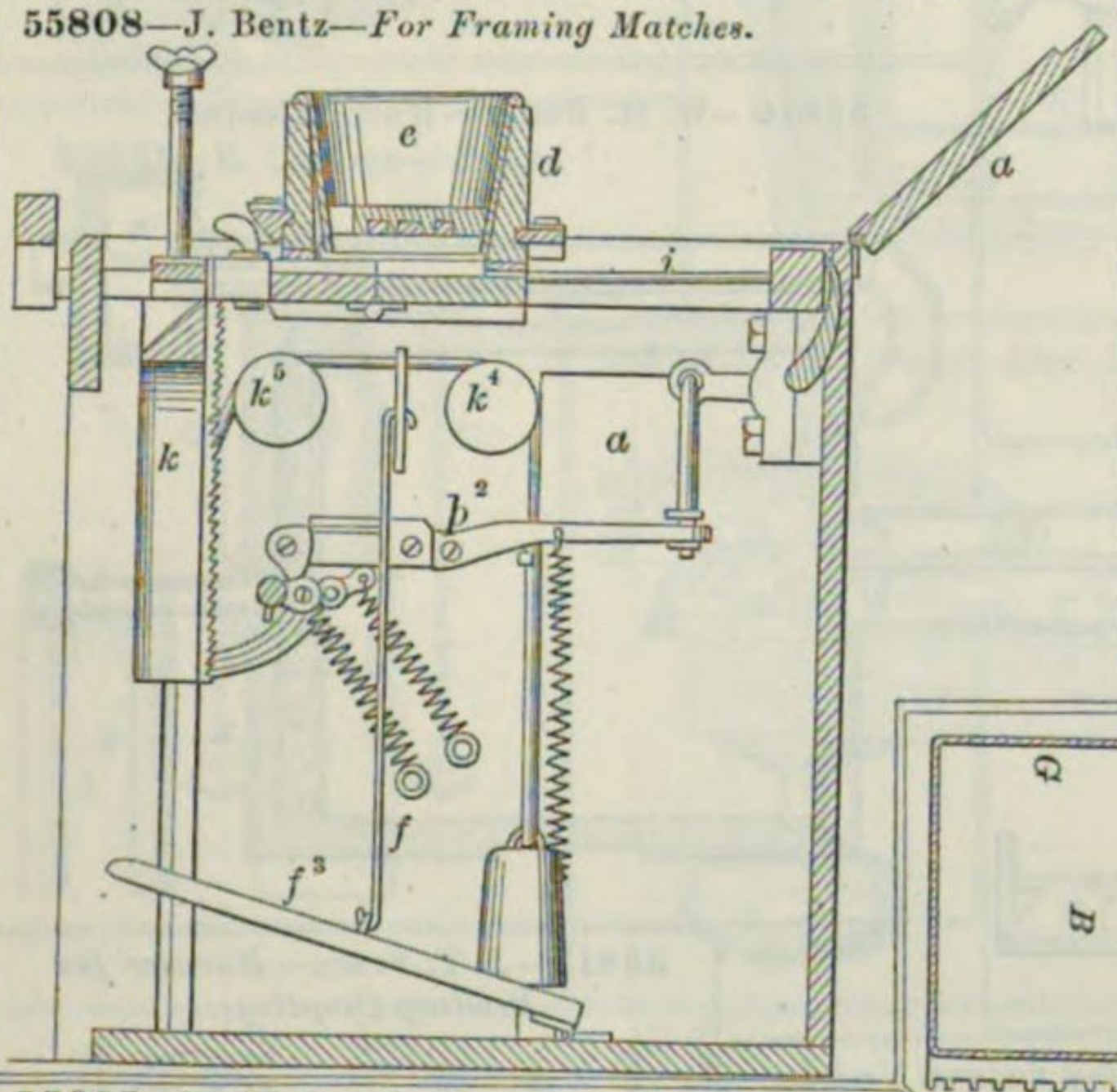
55804—Bailey & Burdick—*Horse Rake.*



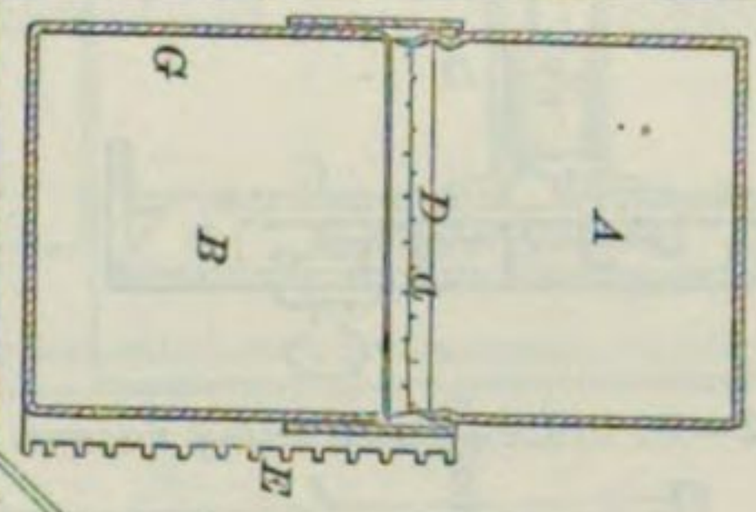
55806—J. H. Beidler—*Lamp.*



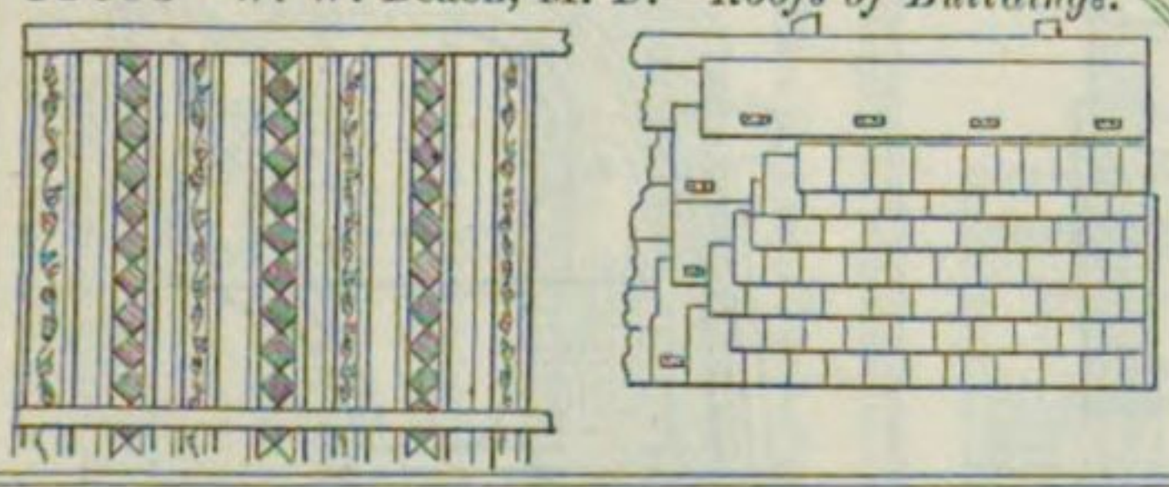
55808—J. Bentz—*For Framing Matches.*



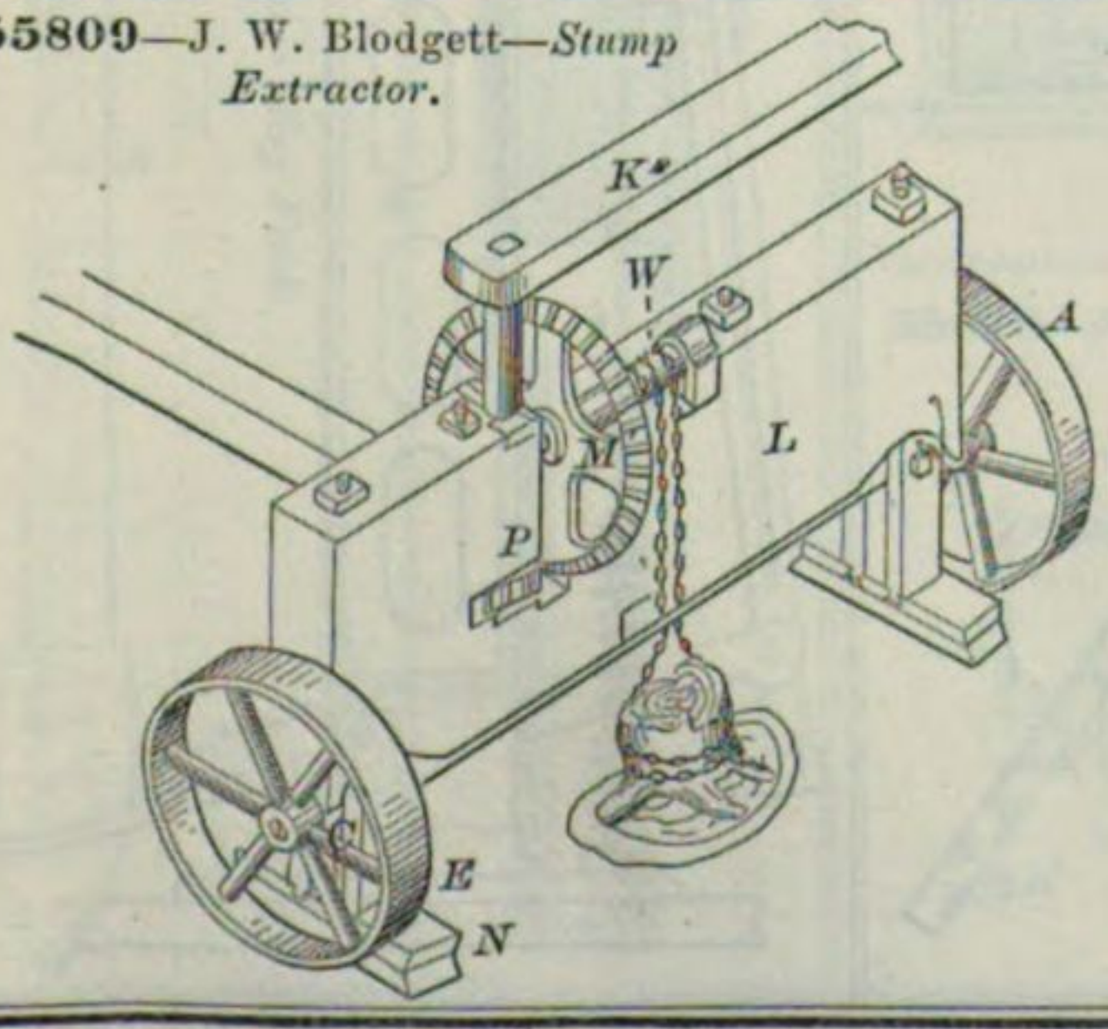
55807—W. A. Bemis—*Grater and Egg Beater.*



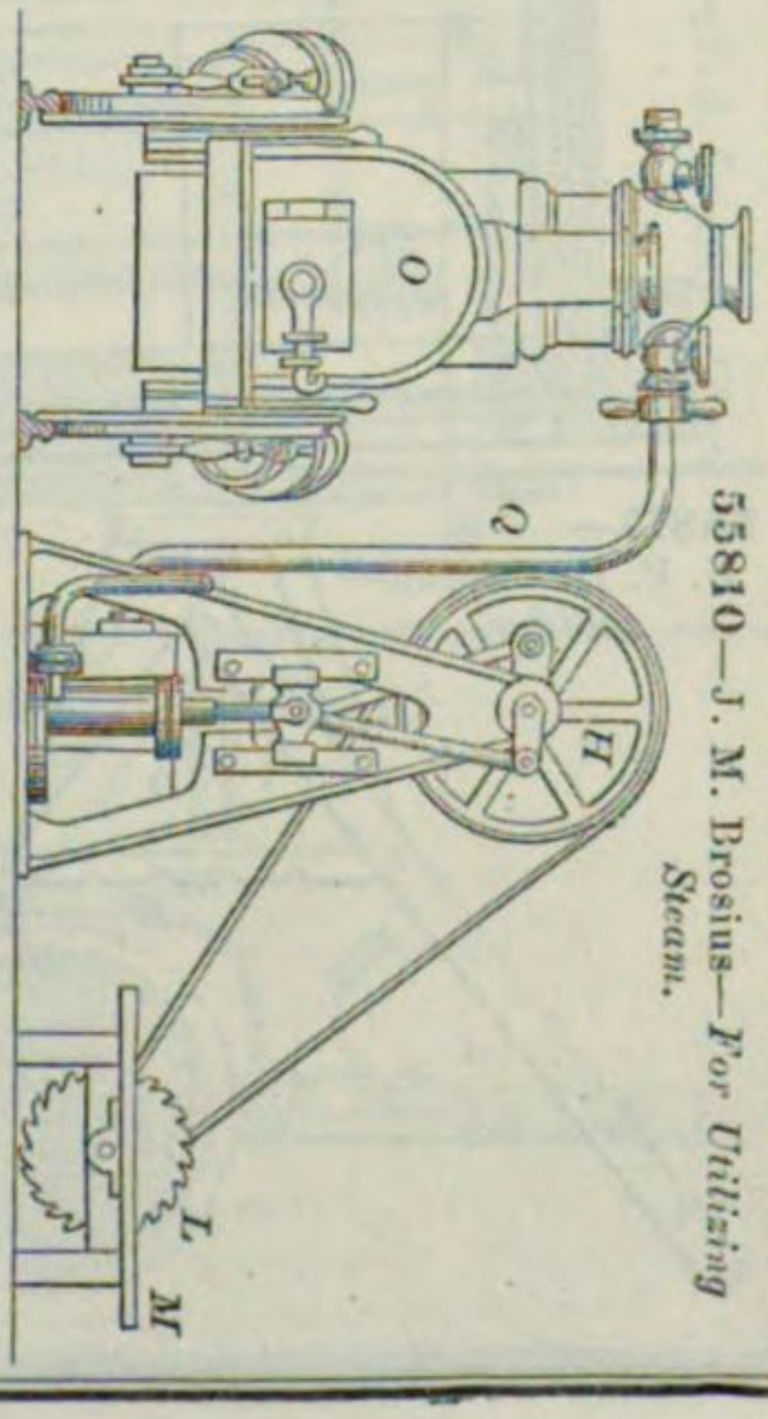
55805—W. W. Beach, M. D.—*Roofs of Buildings.*



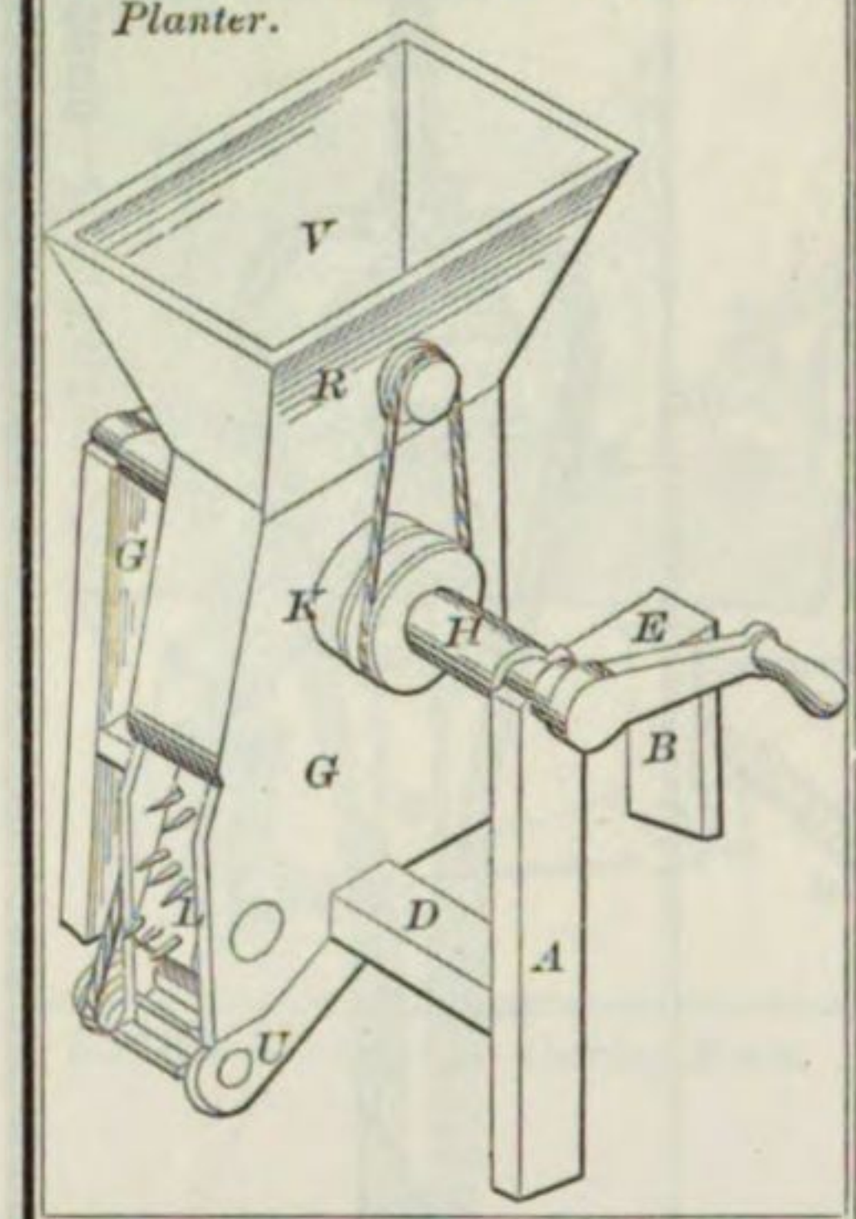
55809—J. W. Blodgett—*Stump Extractor.*



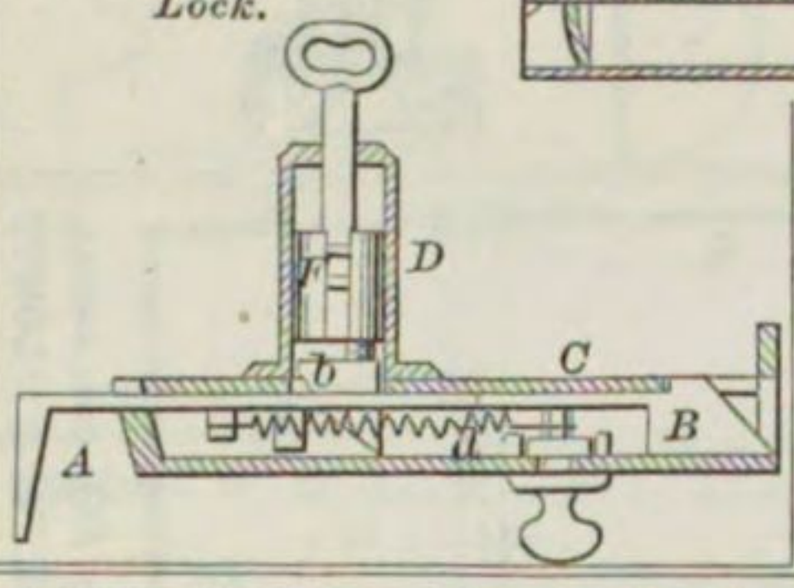
55810—J. M. Brosius—*For Utilizing Steam.*



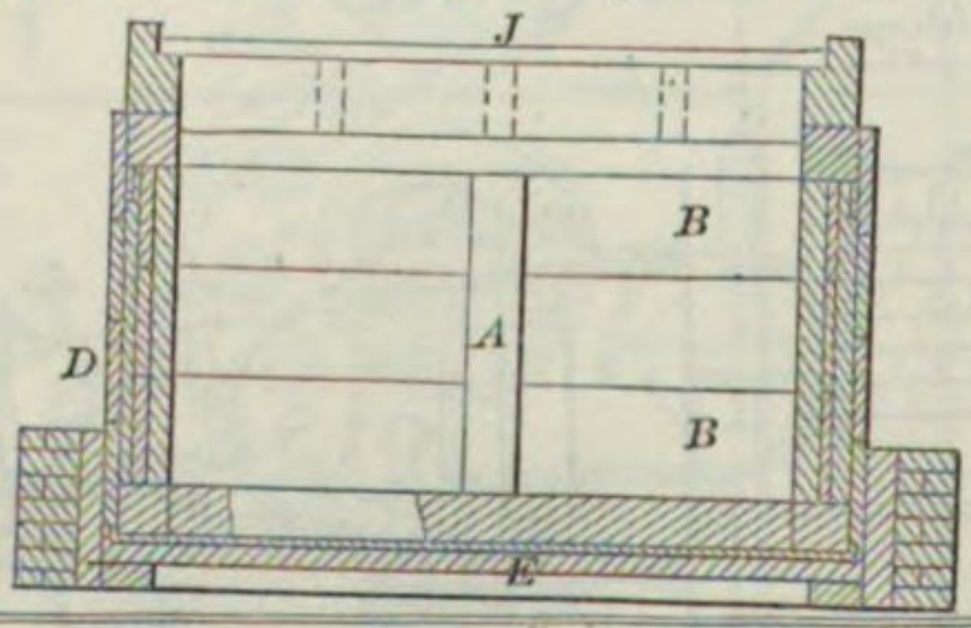
55811—F. H. Brown—*Cotton Seed Planter.*



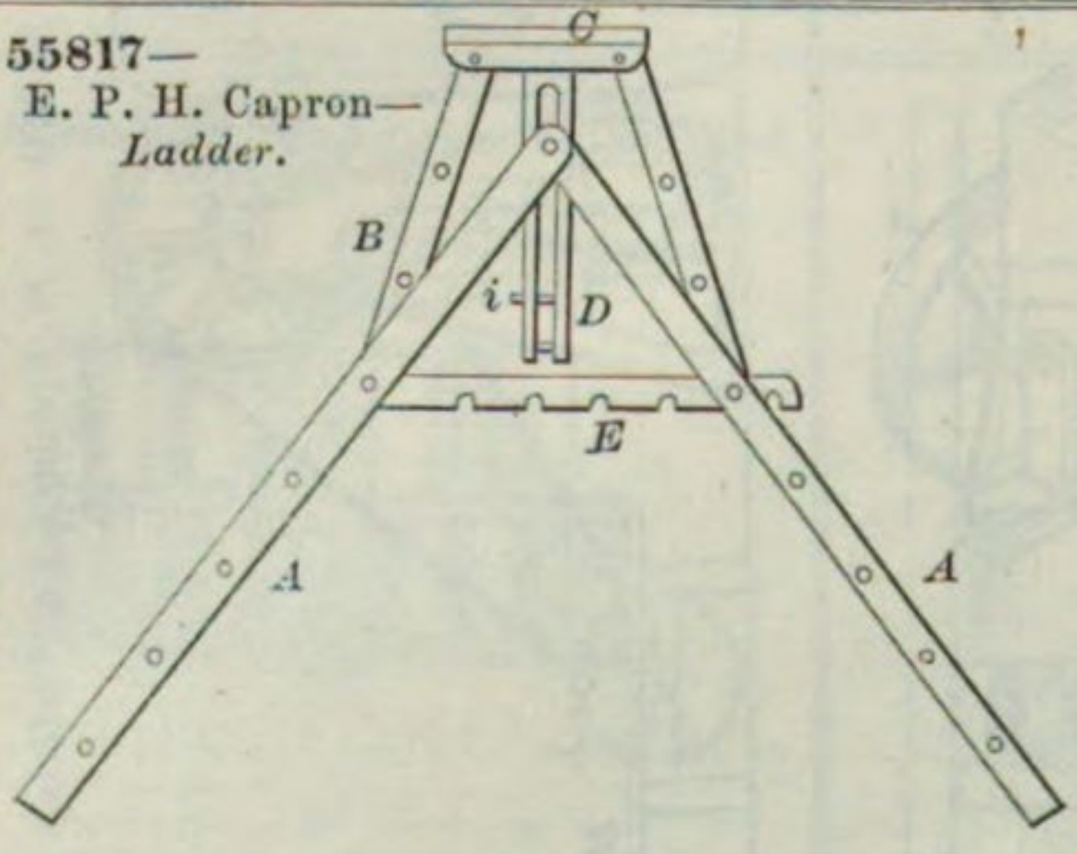
55814—H. & S. W. Budd—*Lock.*



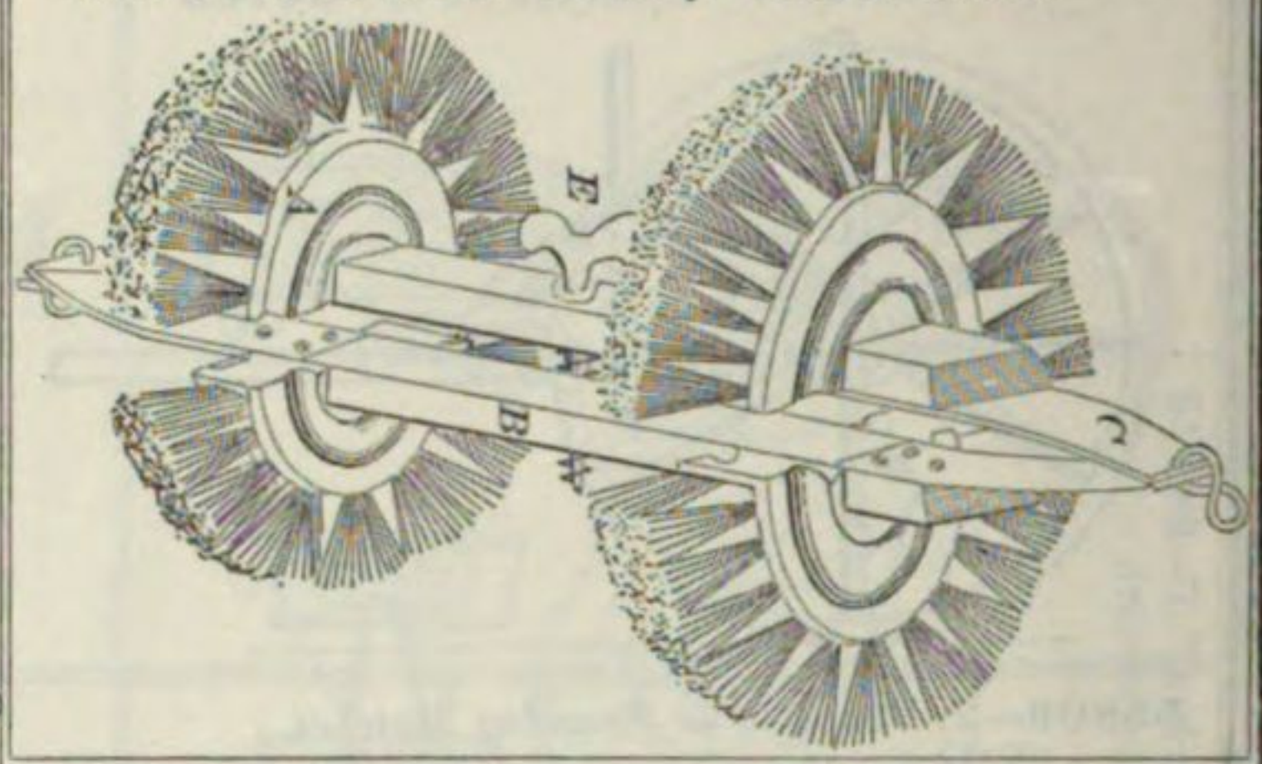
55812—D. Bruce—*Constructing Vacuum Vessels.*



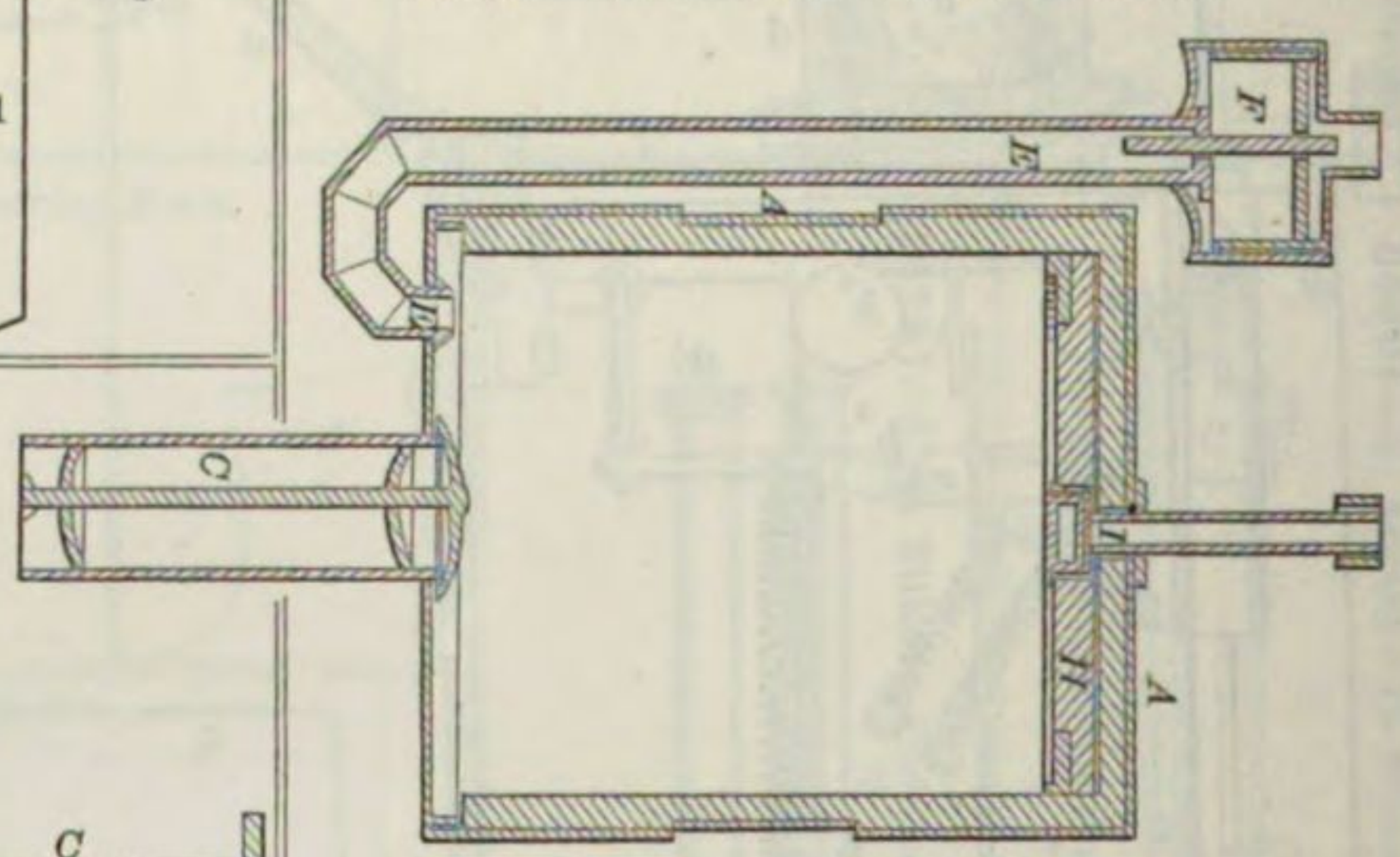
55817—E. P. H. Capron—*Ladder.*



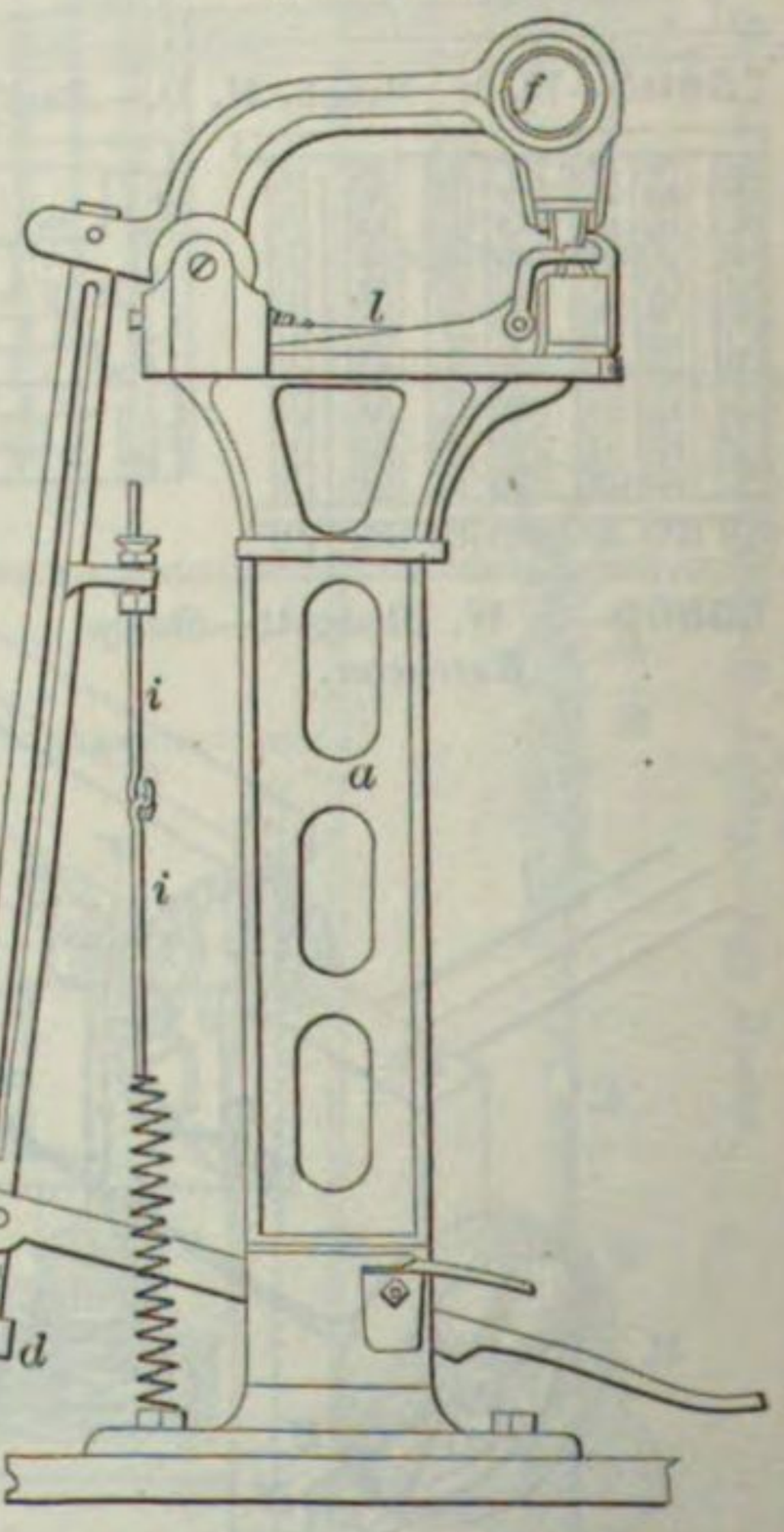
55815—C. H. Bush—*Brush for Boiler Flues.*



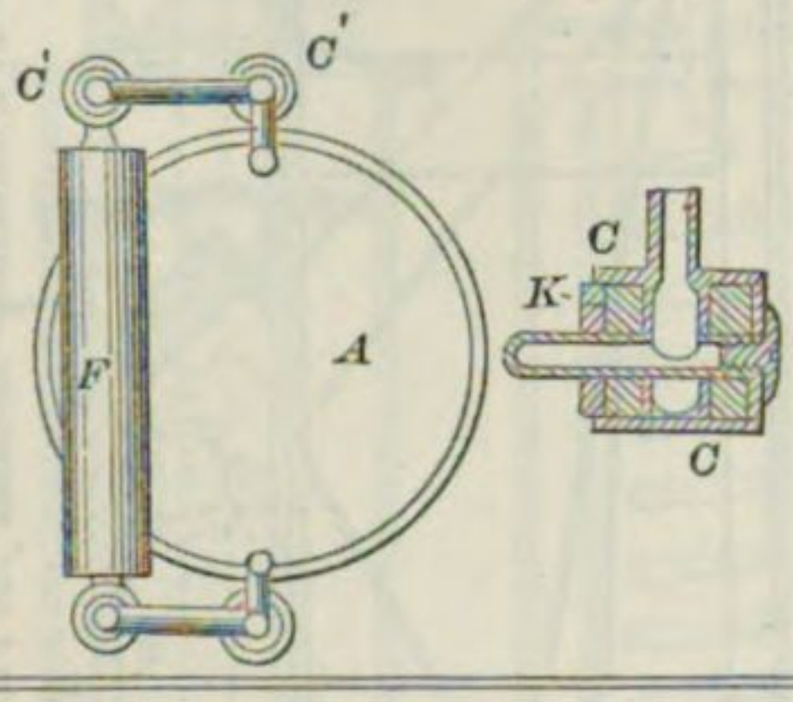
55816—W. H. Butler—*Water Elevator.*



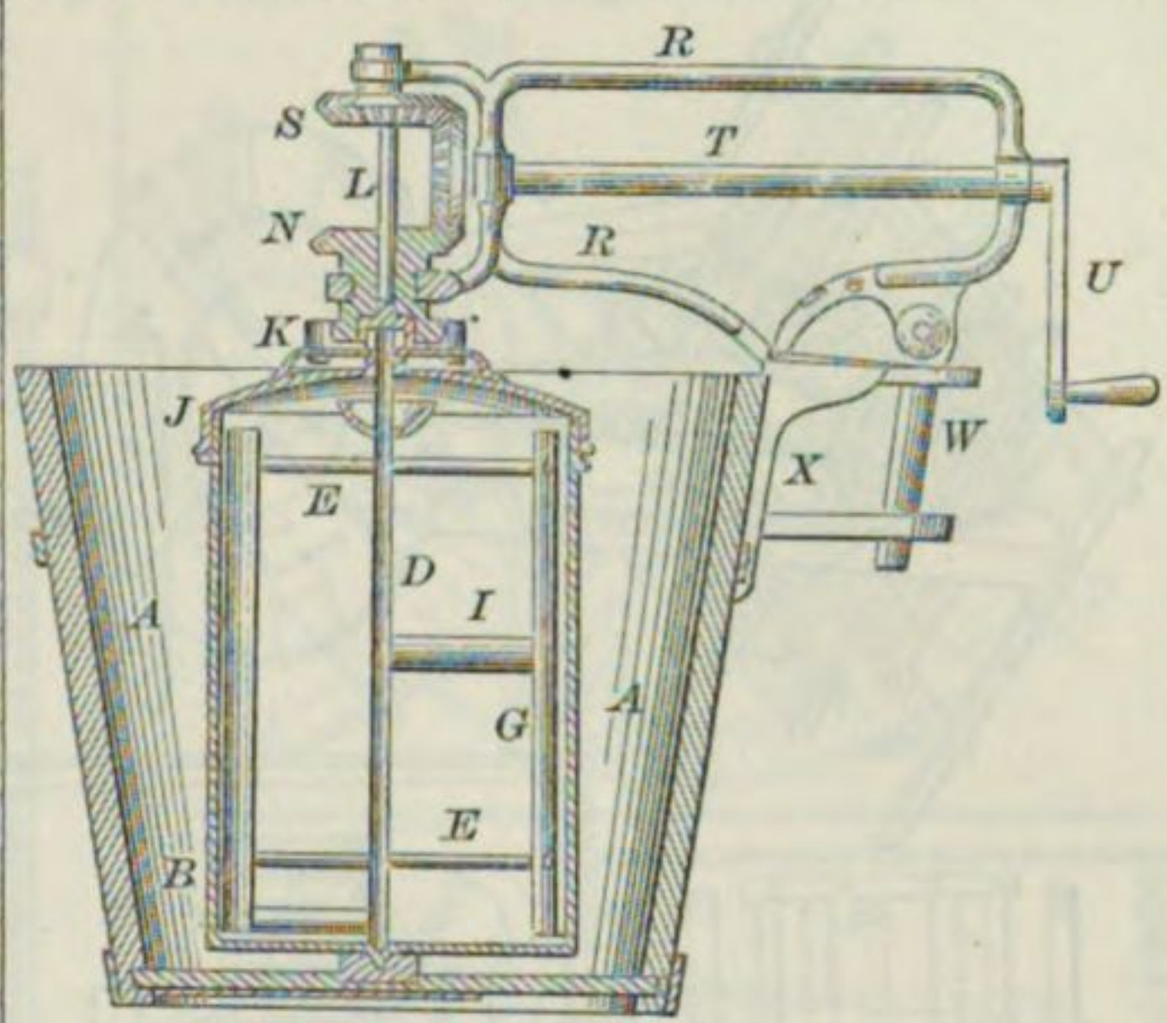
55813—J. T. Bruen—*Hammer for Bending Couplings.*



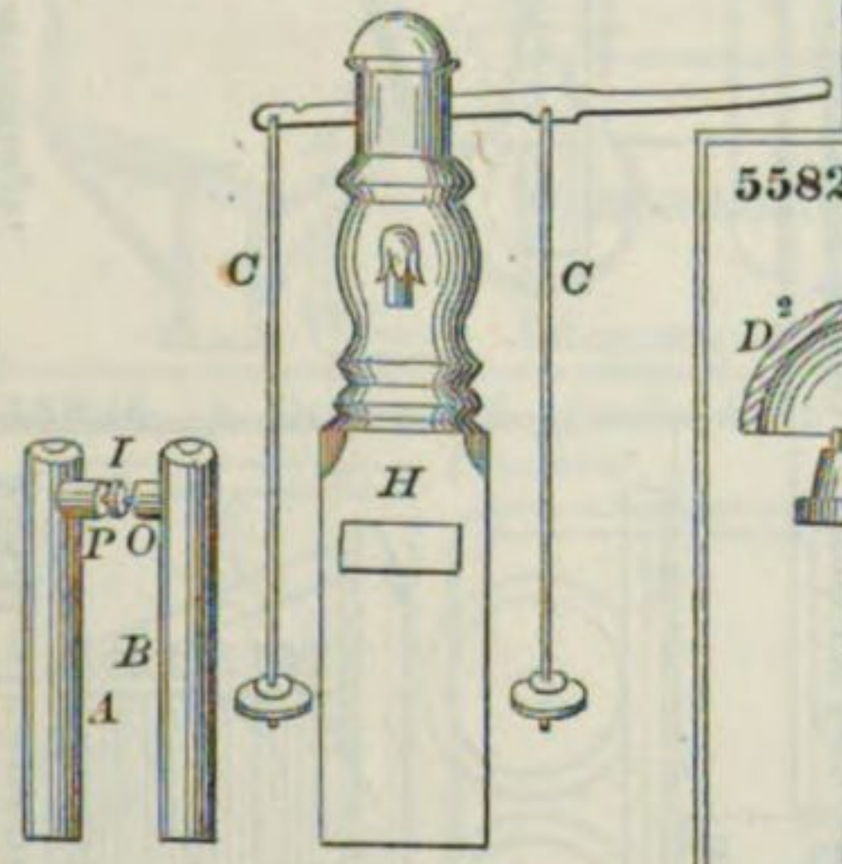
55819—F. Chalfant— *Water Indicator for Steam Generators.*



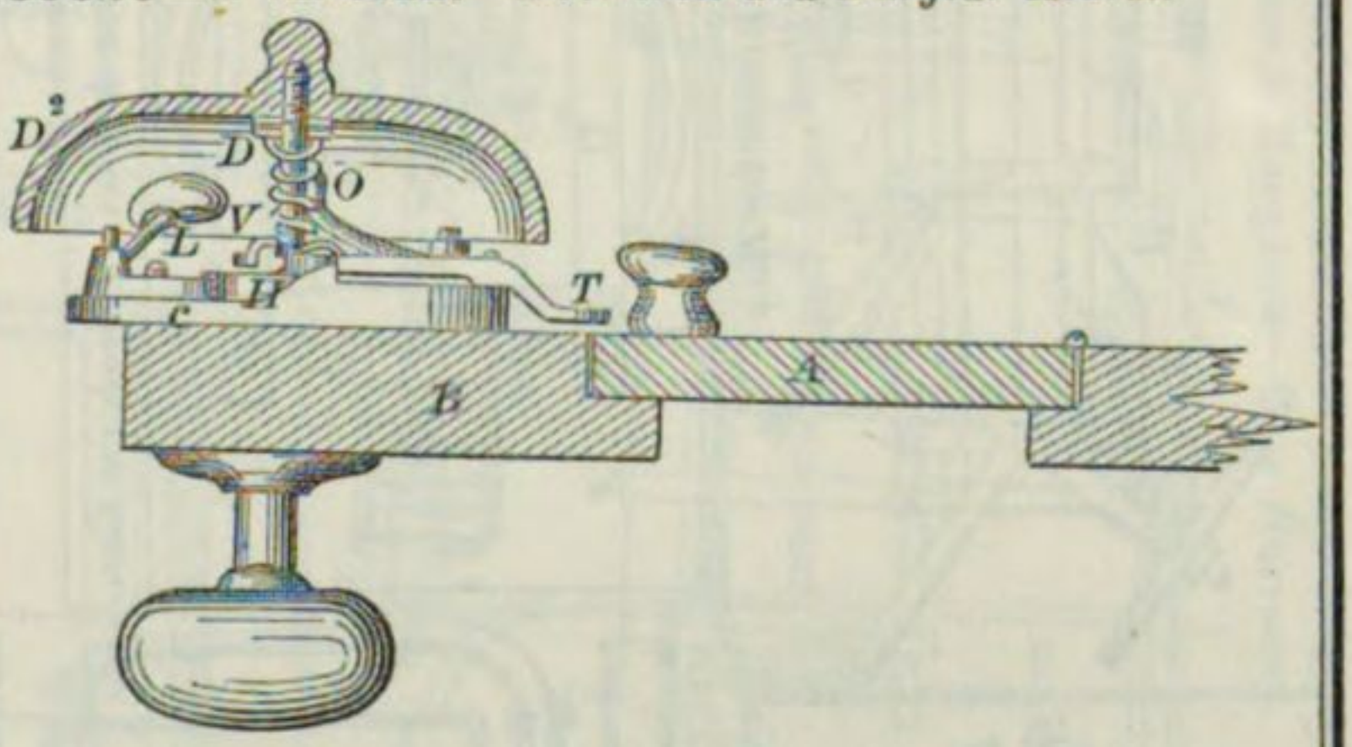
55820—J. R. Champlin— *Cream Freezer.*



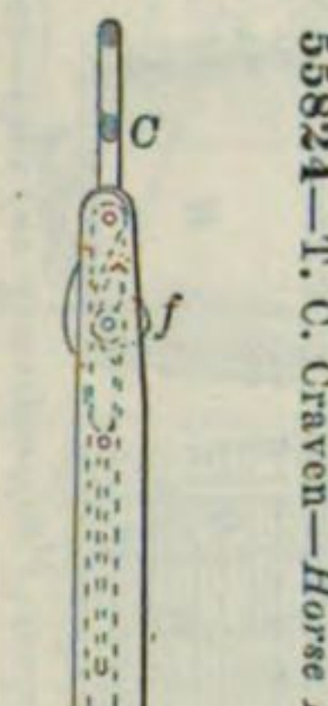
55821—R. Cochran—*Pump.*



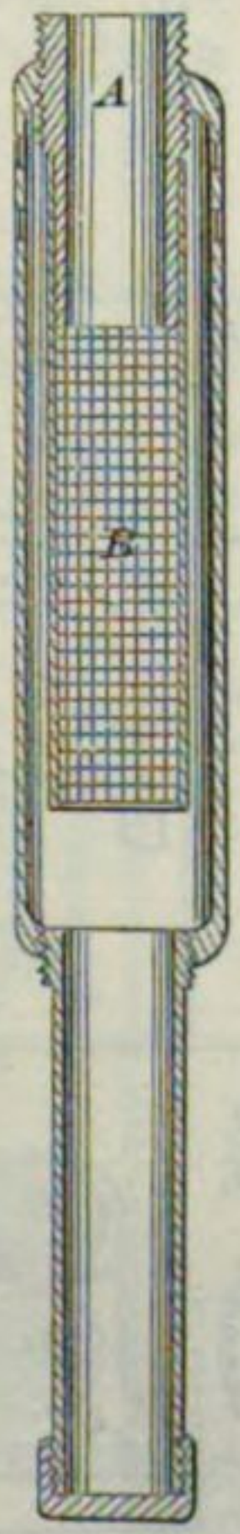
55823—E. H. Crane—*Door Bell and Burglar Alarm.*



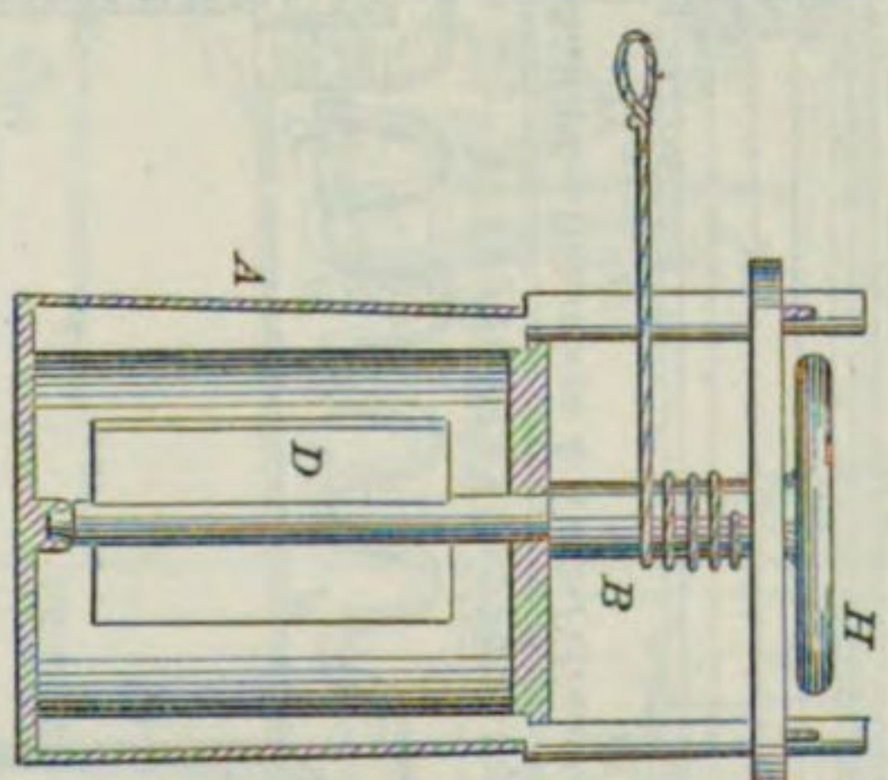
55824—T. C. Craven—*Horse Hay Fork.*



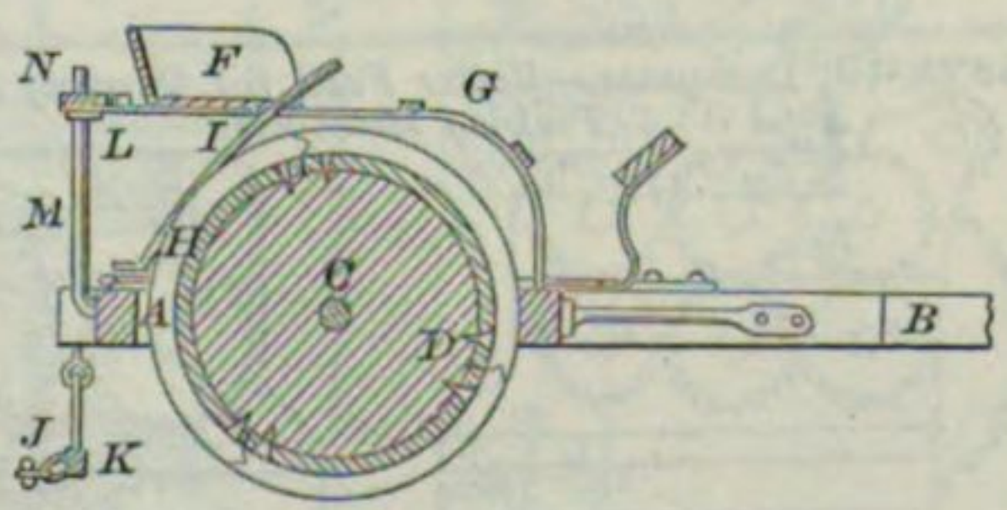
55822—R. Cornelius—*Pump.*



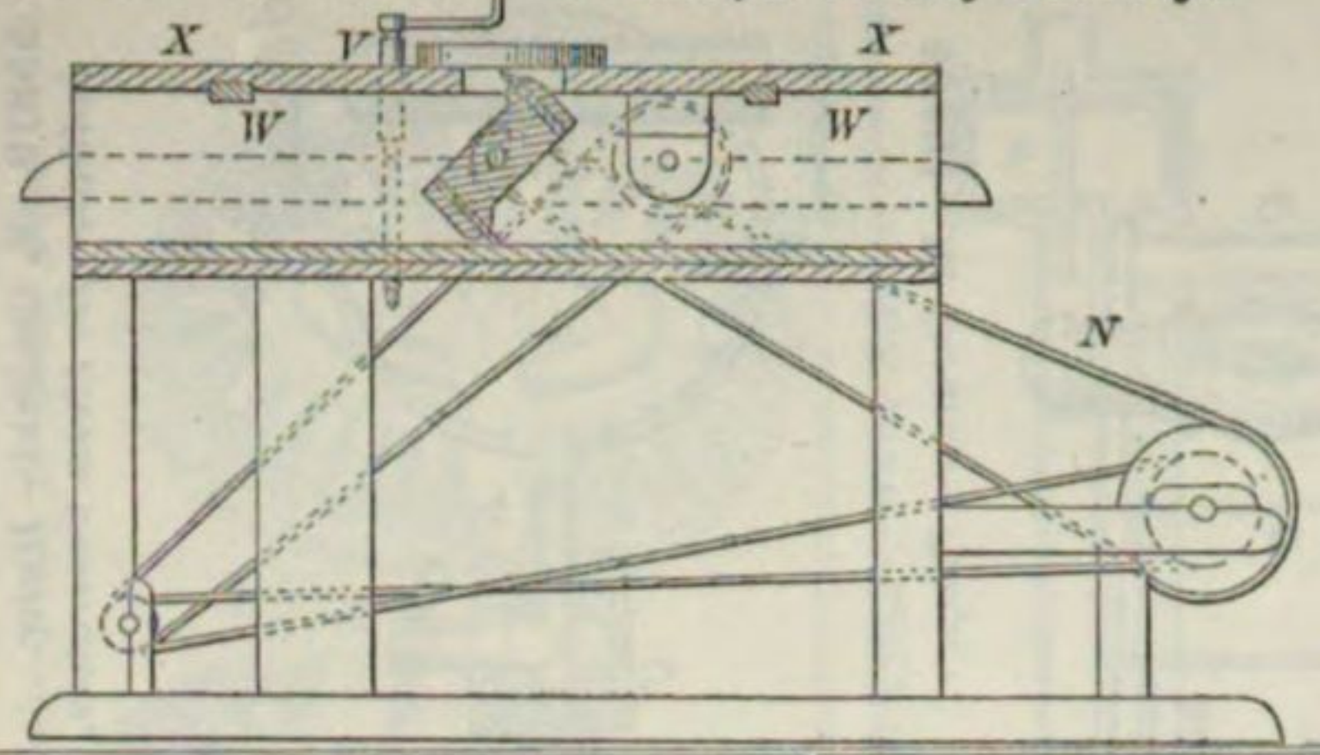
55825—F. J. Crissey—*Churn.*



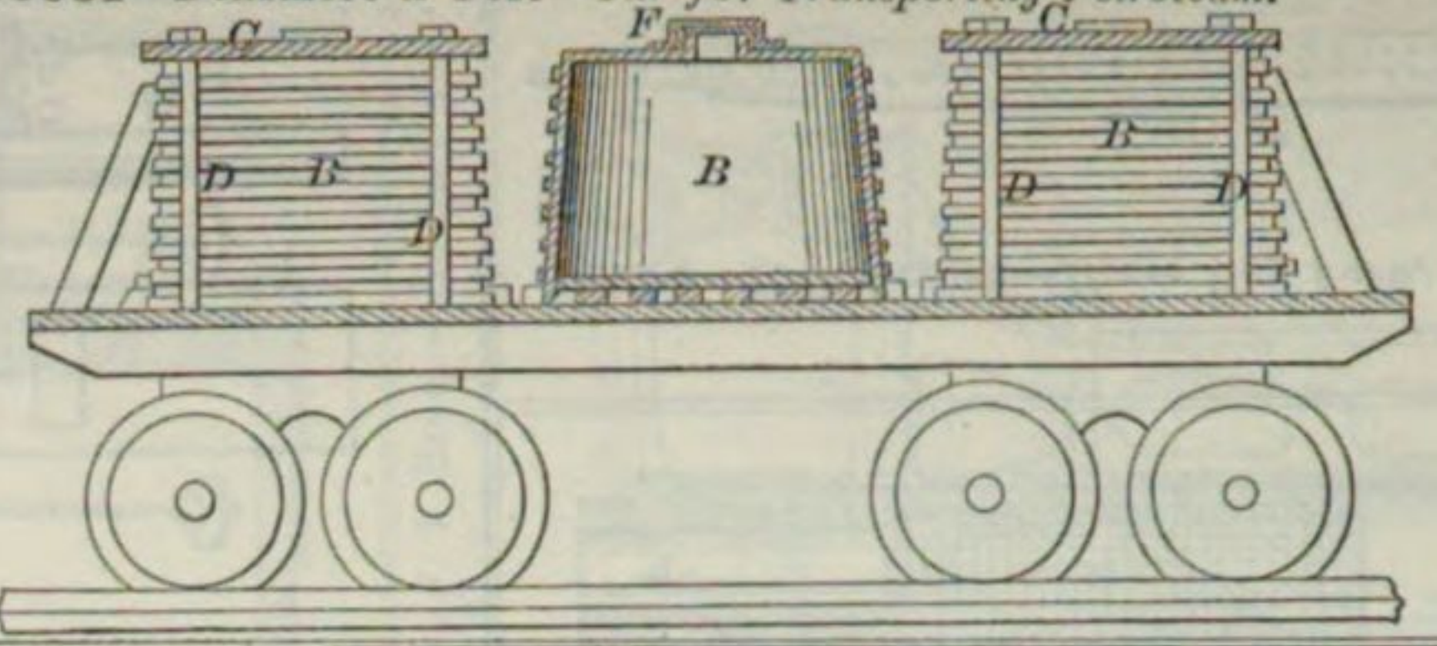
55826—J. Custer—*Cultivator.*



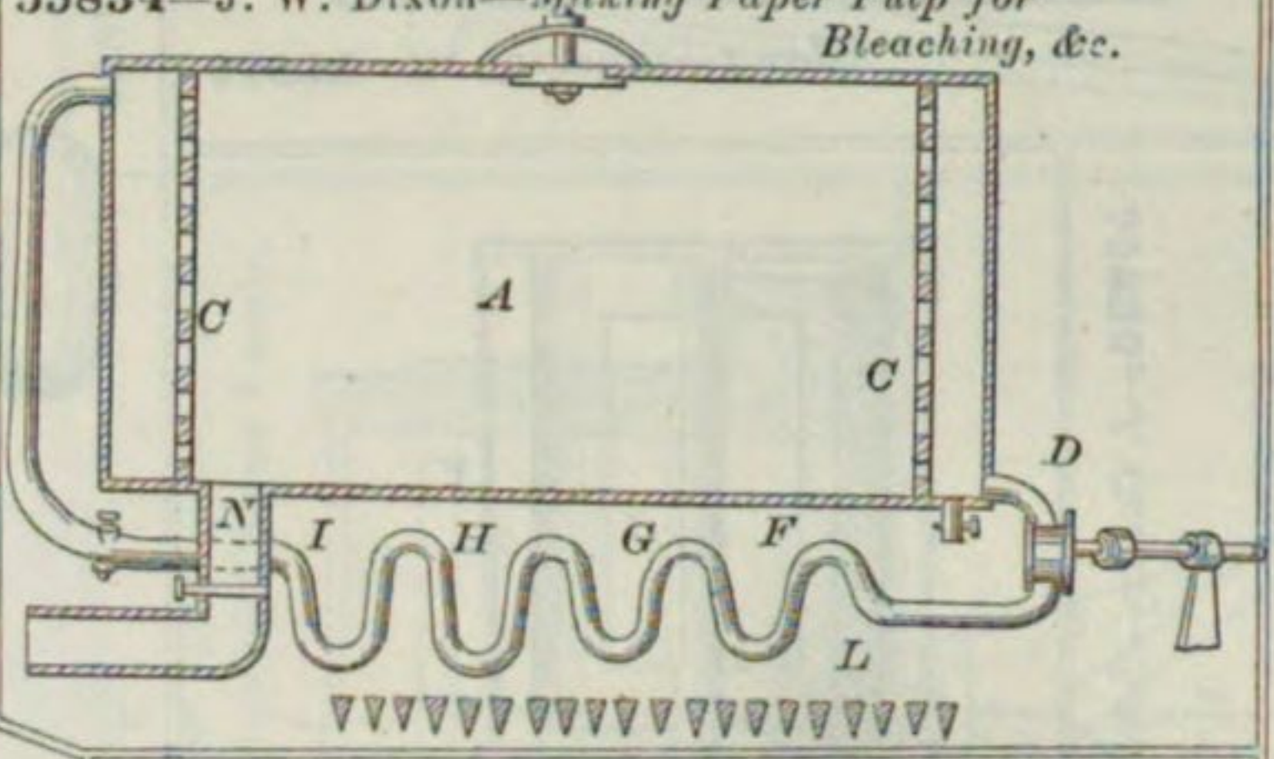
55833—T. Dickinson—*Machine for Planing Mouldings.*



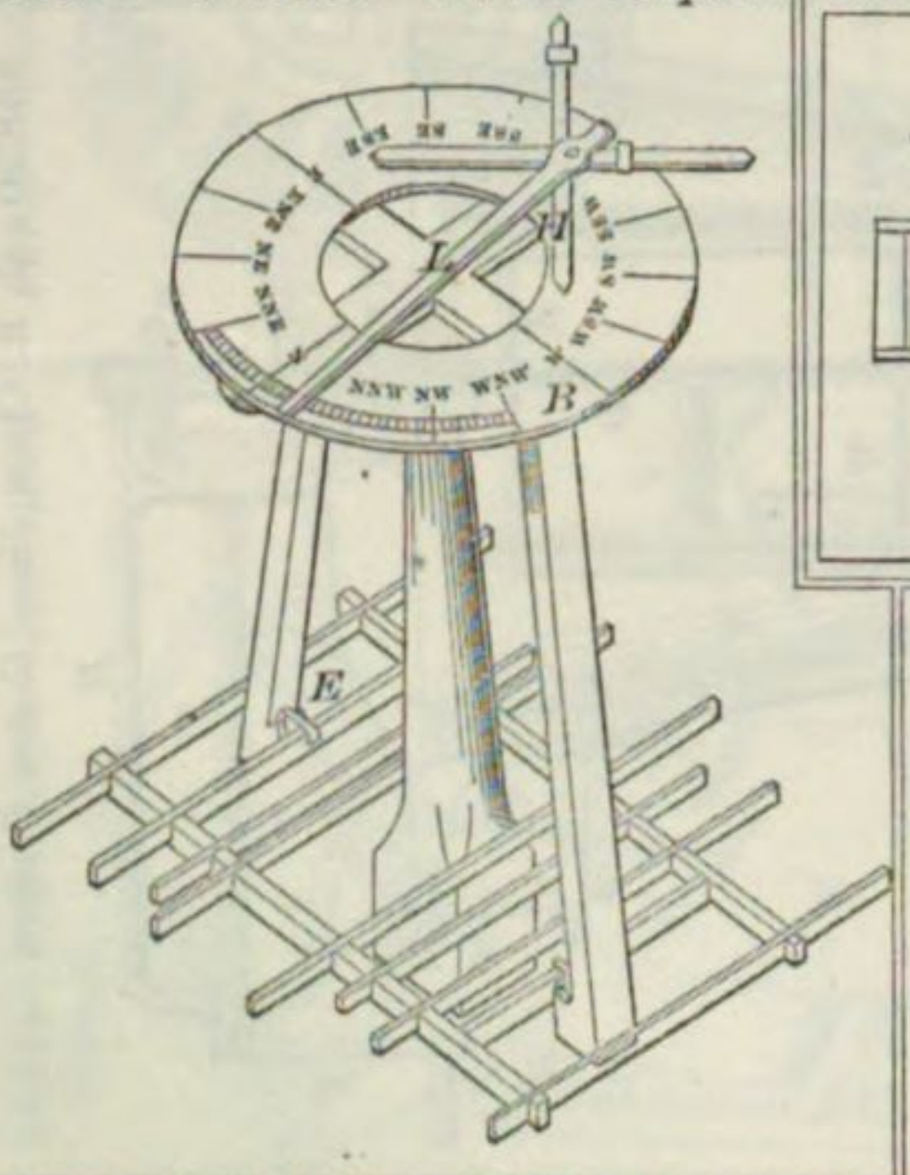
55831—Densmore & Yost—*Car for Transporting Petroleum.*



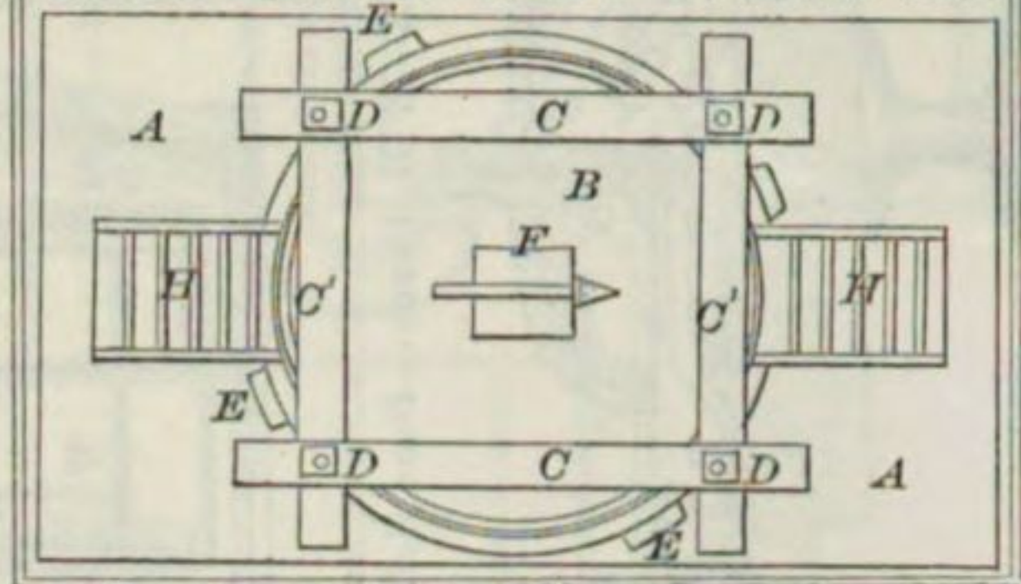
55834—J. W. Dixon—*Making Paper Pulp for Bleaching, &c.*



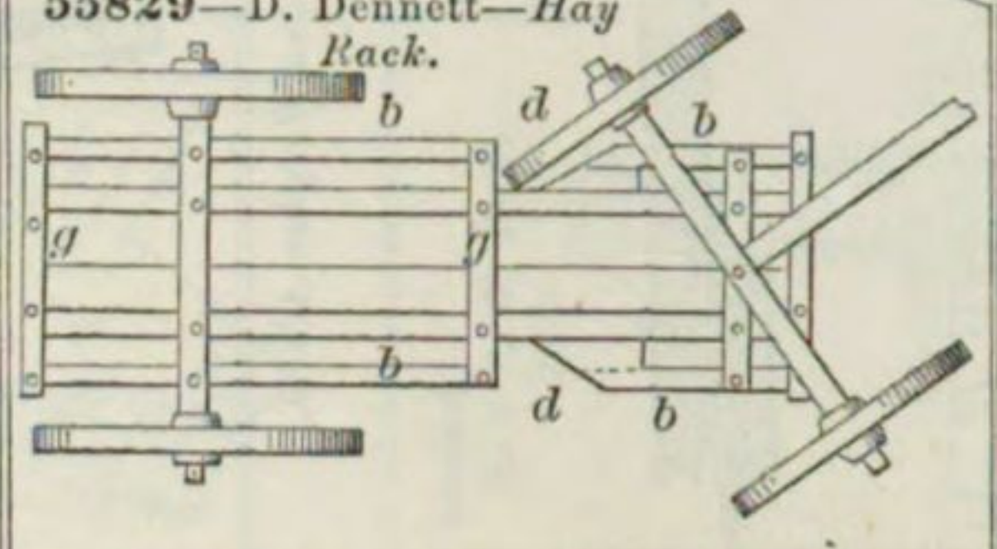
55827—S. Custer—*Marine Compass.*



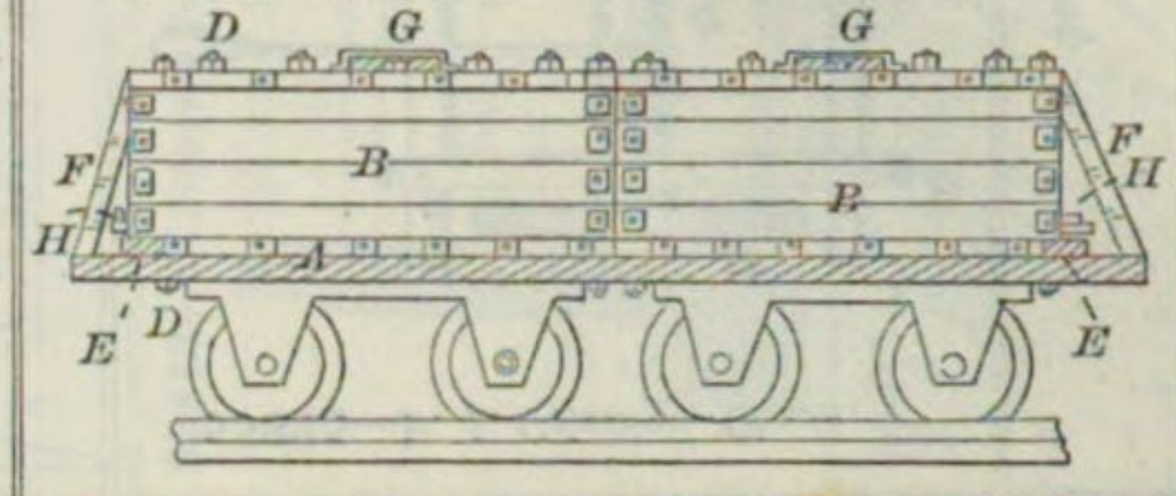
55830—Densmore & Yost—*Petroleum Car.*



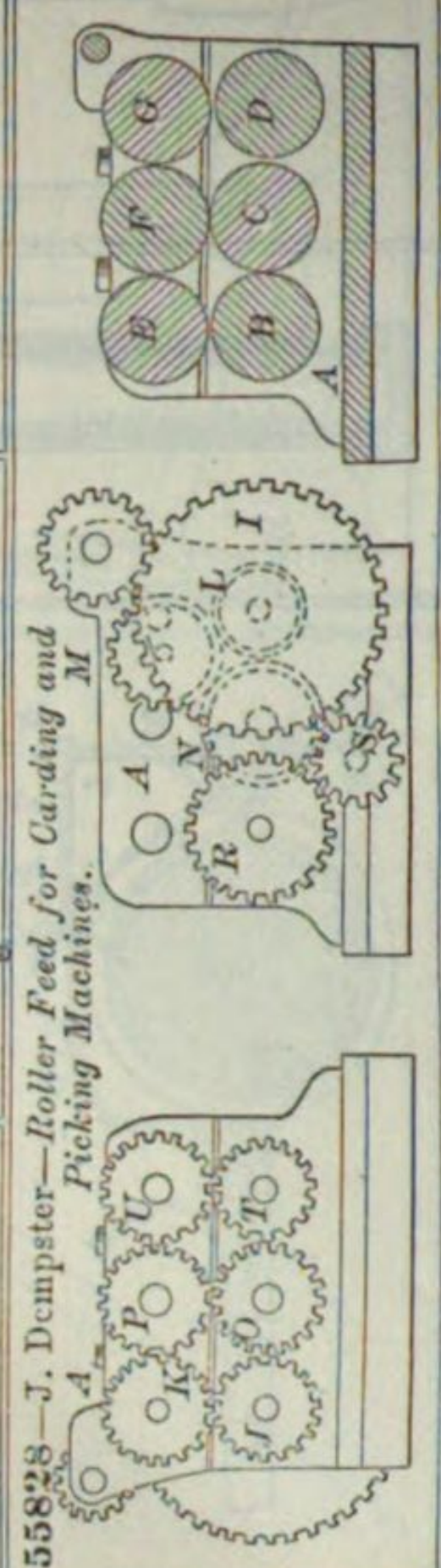
55829—D. Dennett—*Hay Rack.*



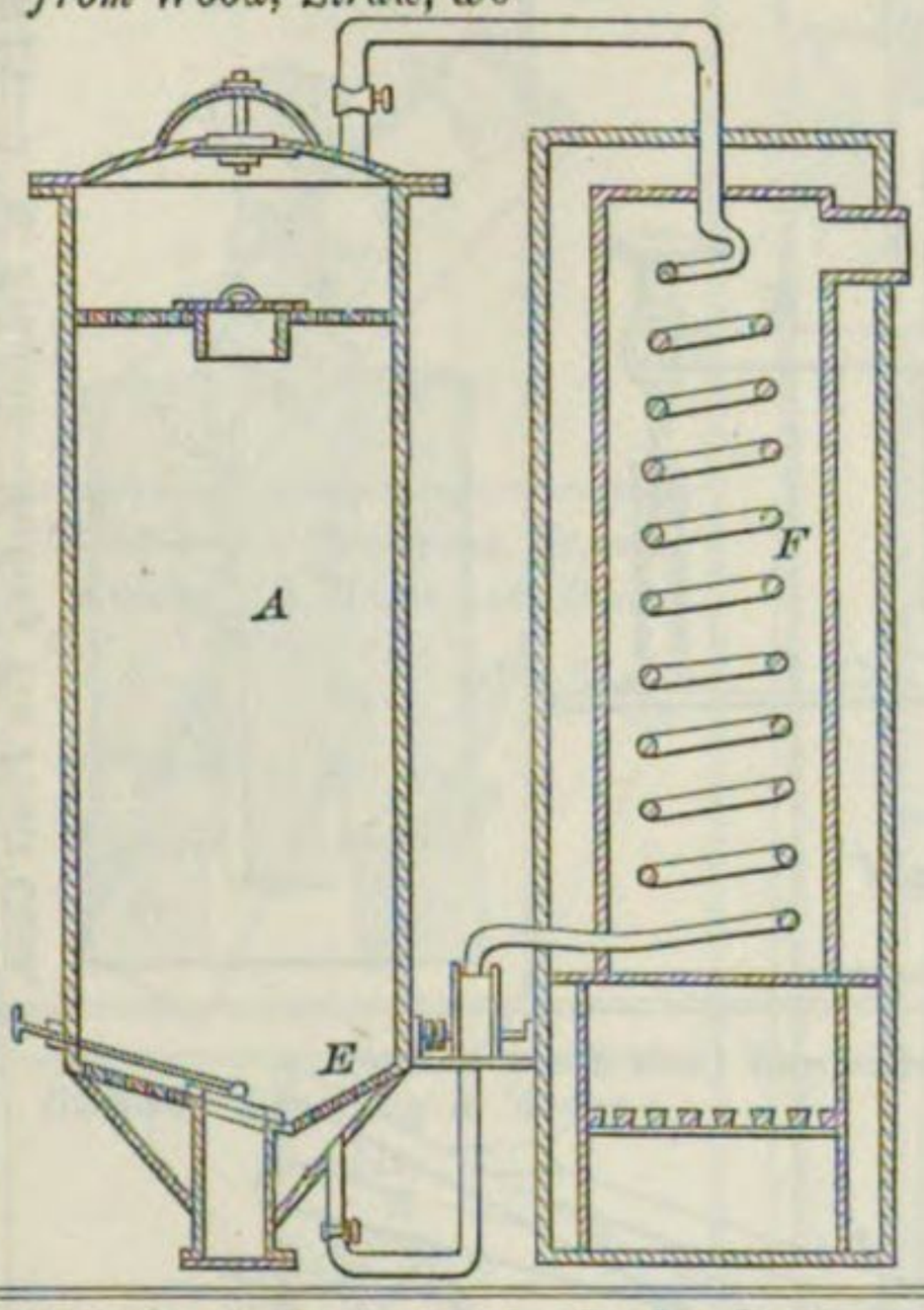
55832—Densmore & Yost-*Petroleum Car.*



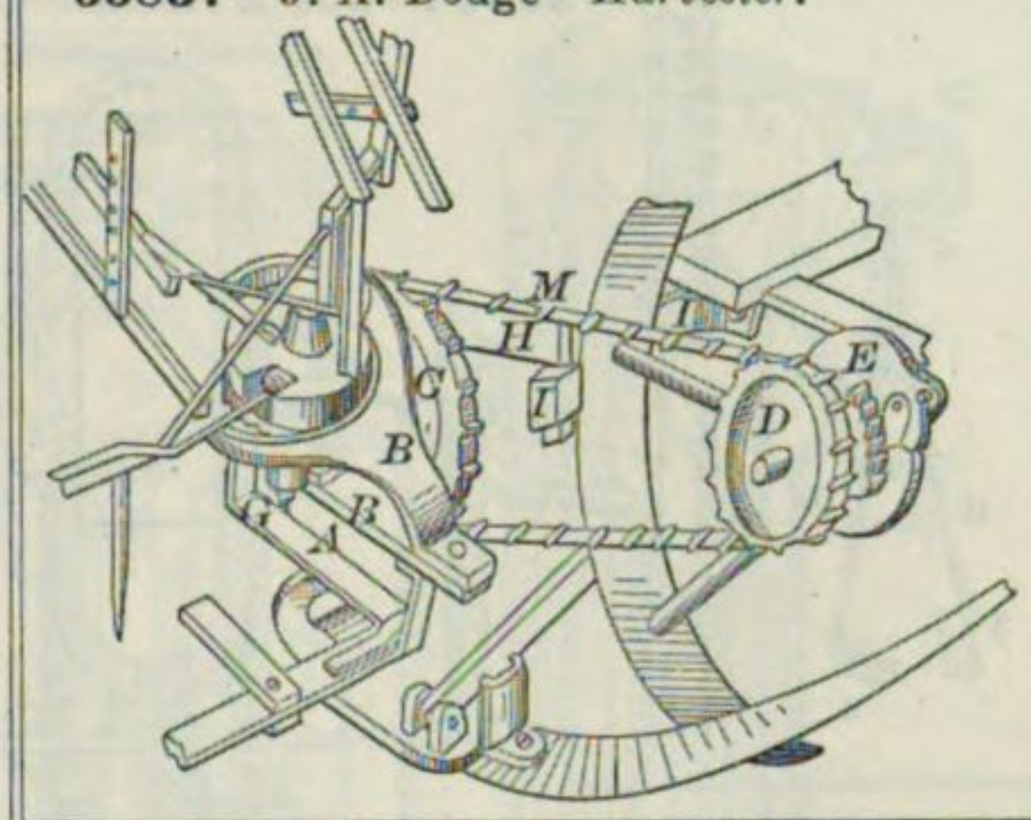
55828—J. Dempster—*Roller Feed for Carding and Picking Machines.*



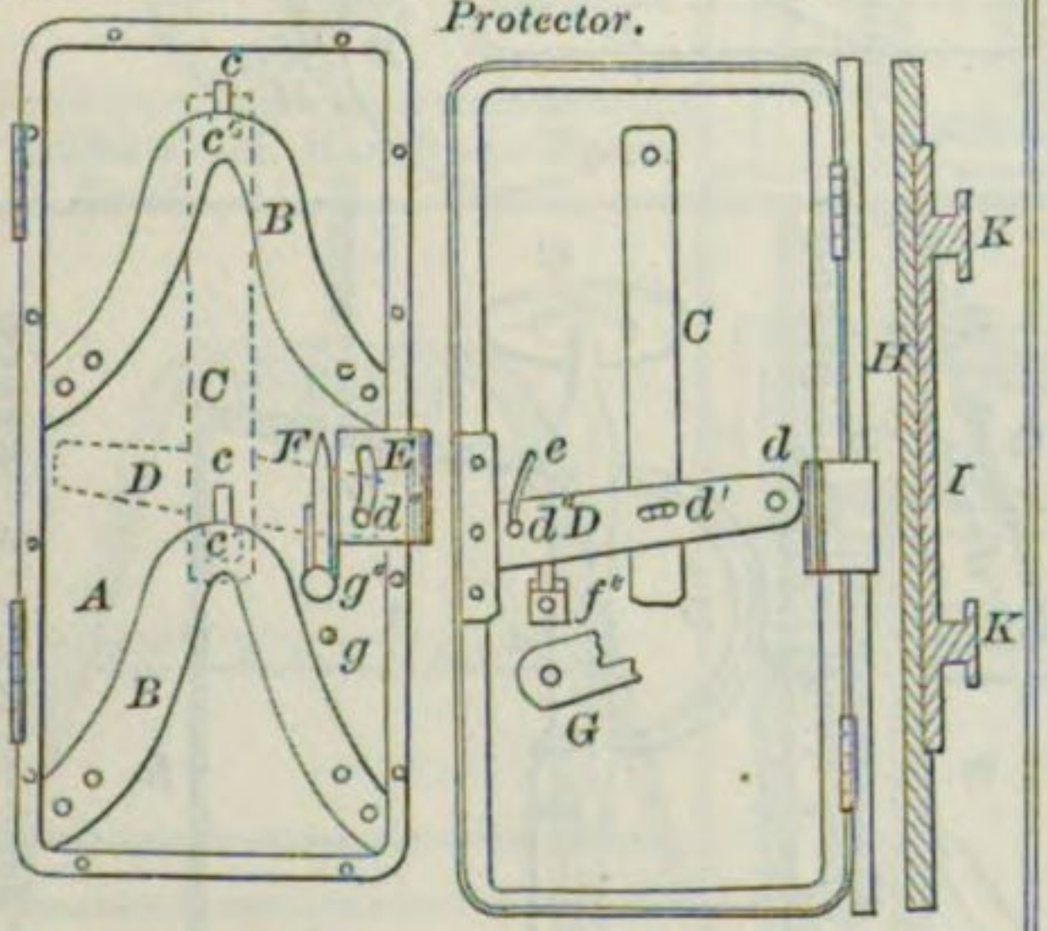
55835—J. W. Dixon—*Making Paper Pulp from Wood, Straw, &c*



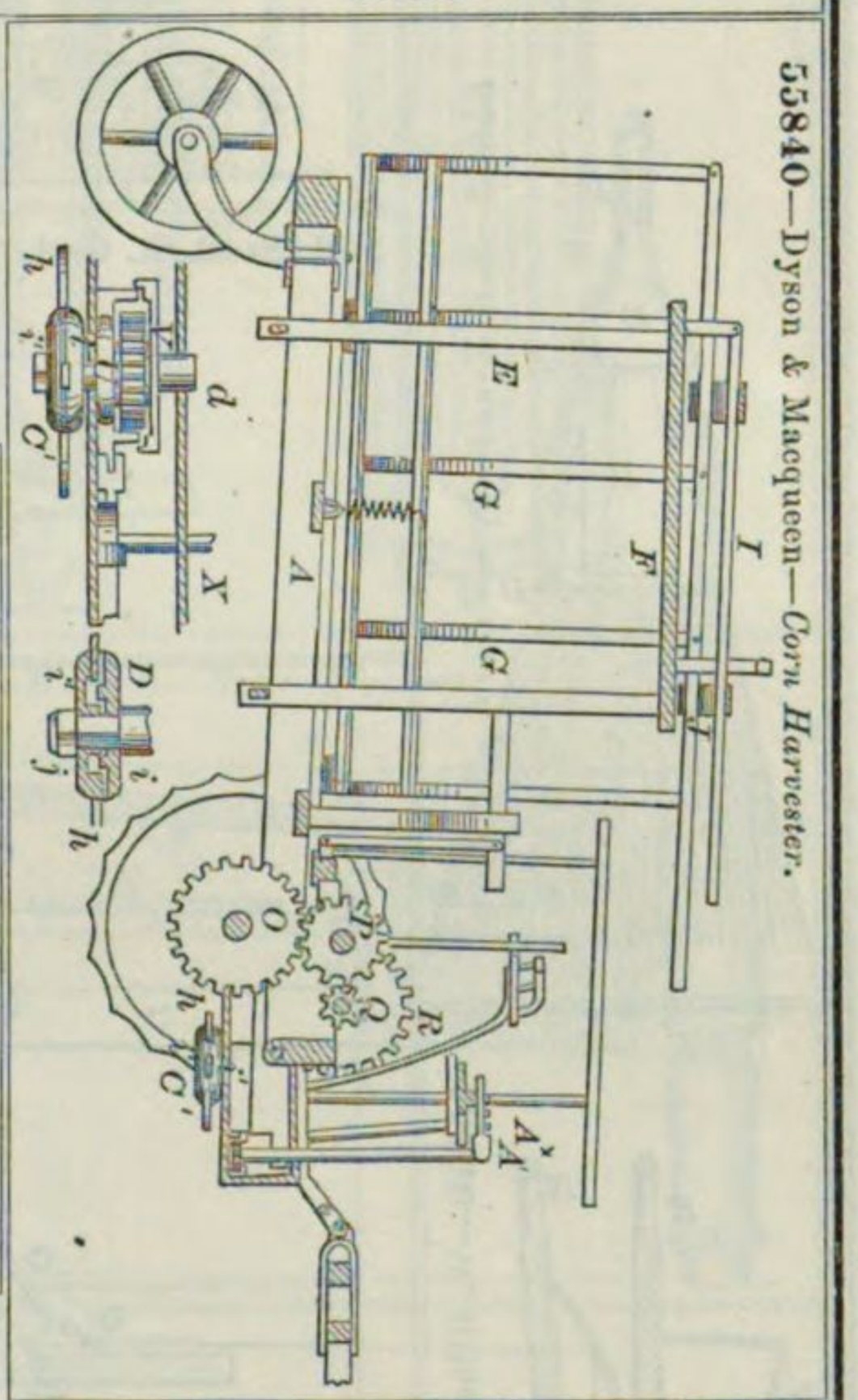
55837—J. A. Dodge—*Harvester.*



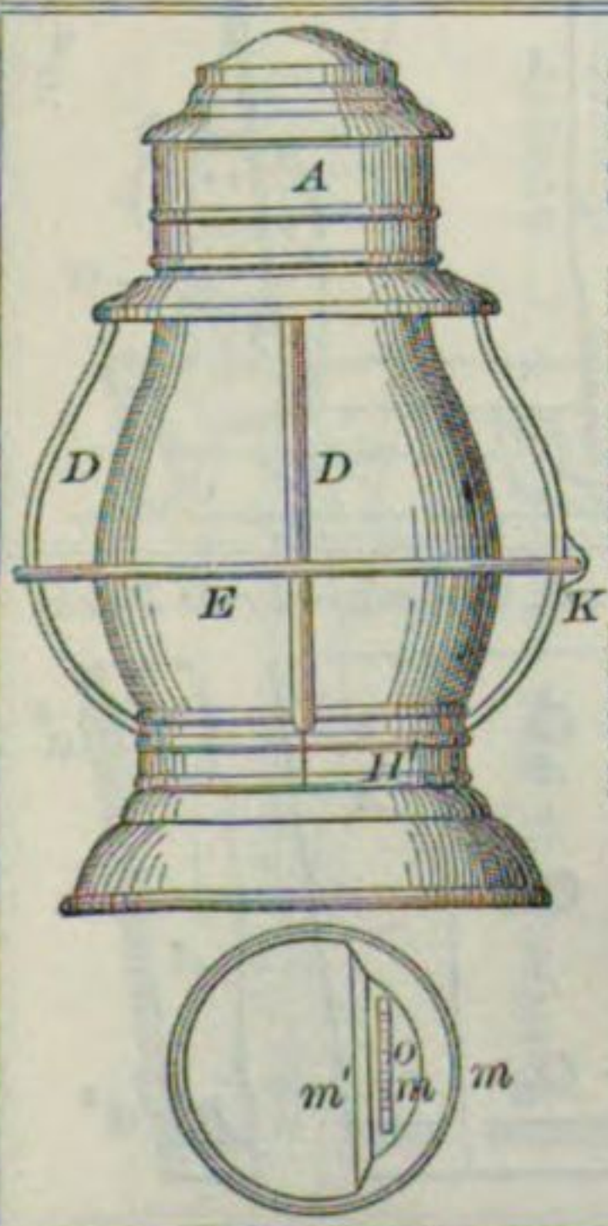
55838—A. Drummond—*Pocket Book Protector.*



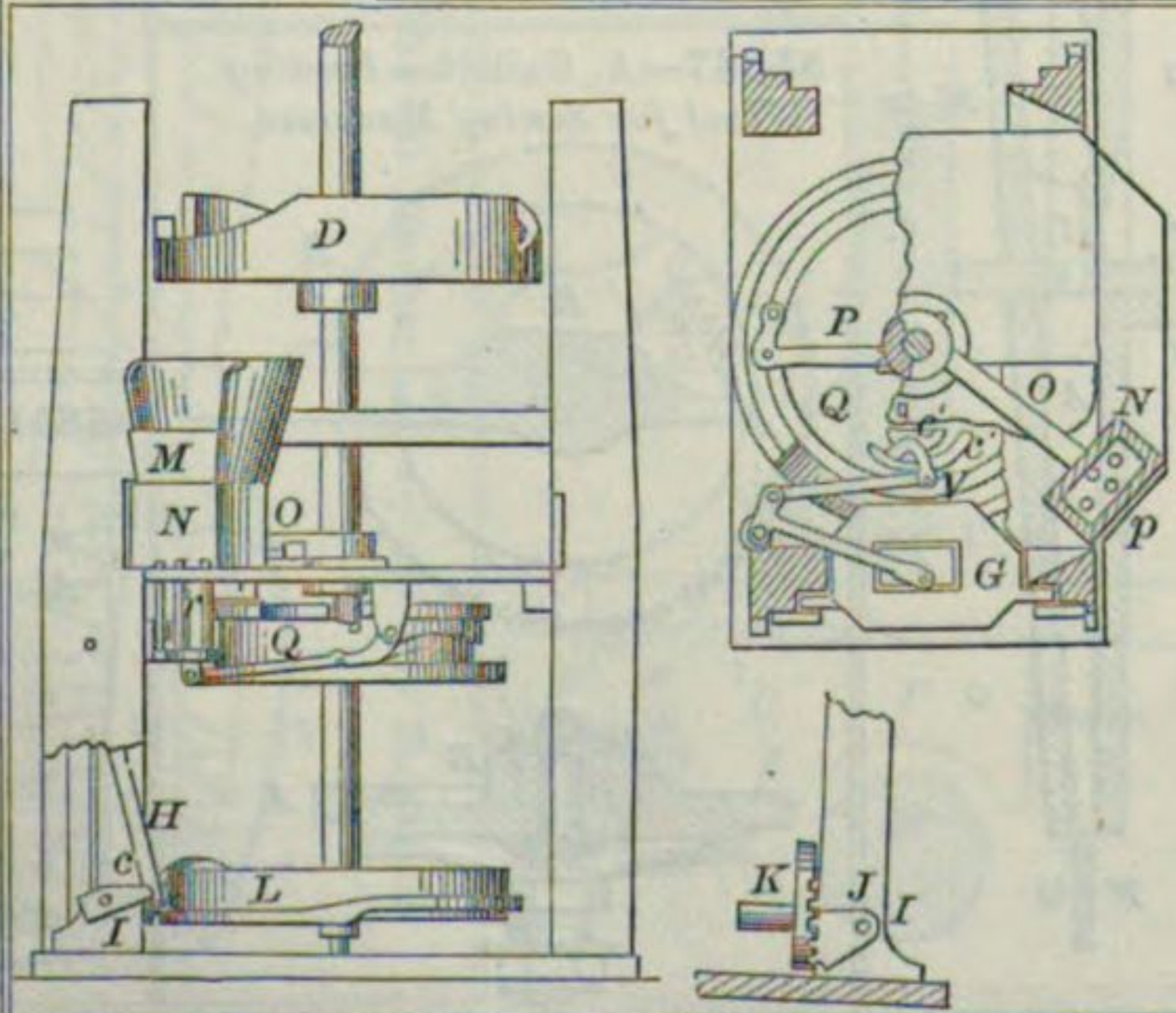
55840—Dyson & Macqueen—*Corn Harvester.*



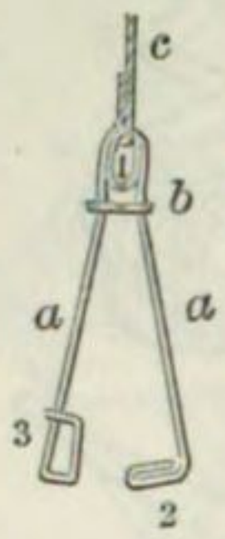
55839—A. M. Duburn—*Lantern.*



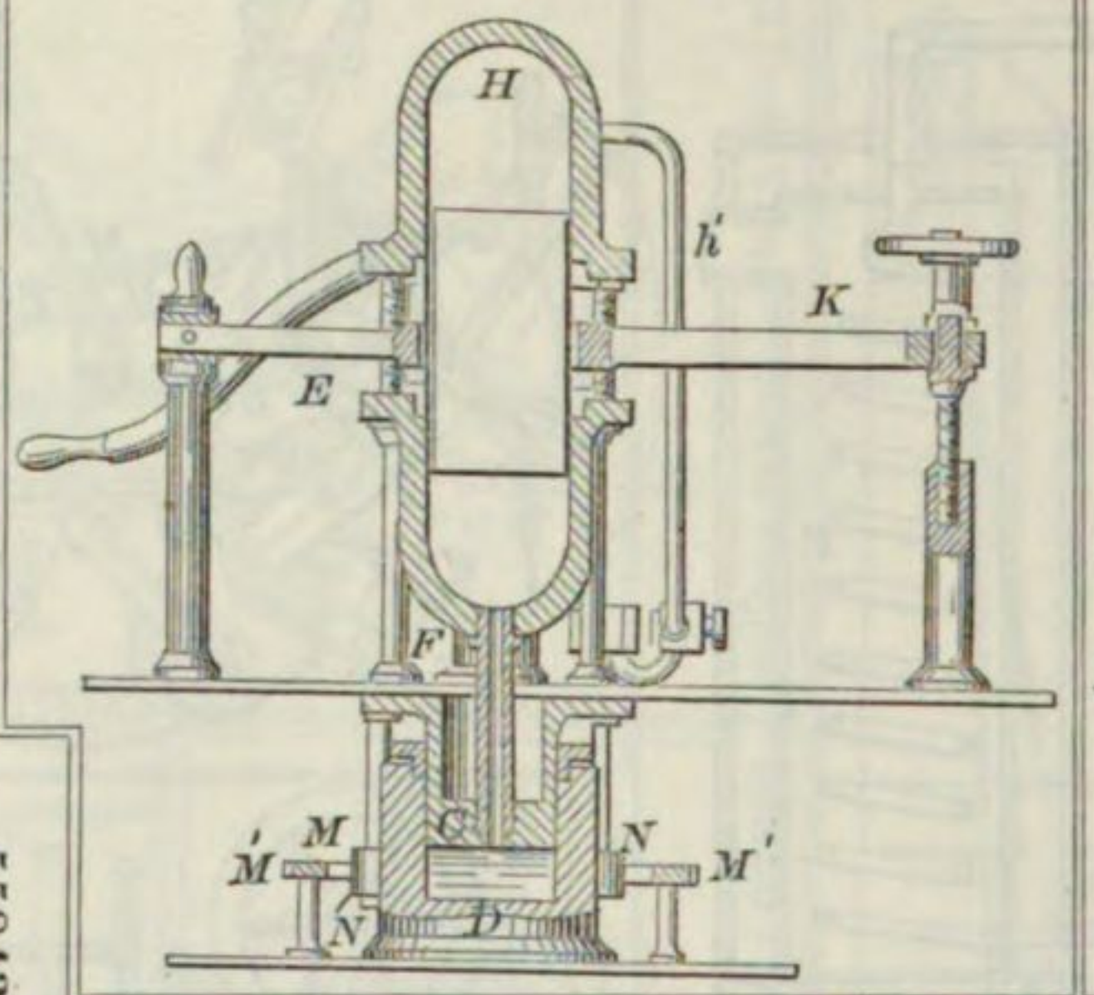
55841—J. S. Elliott—*Brick Machine.*



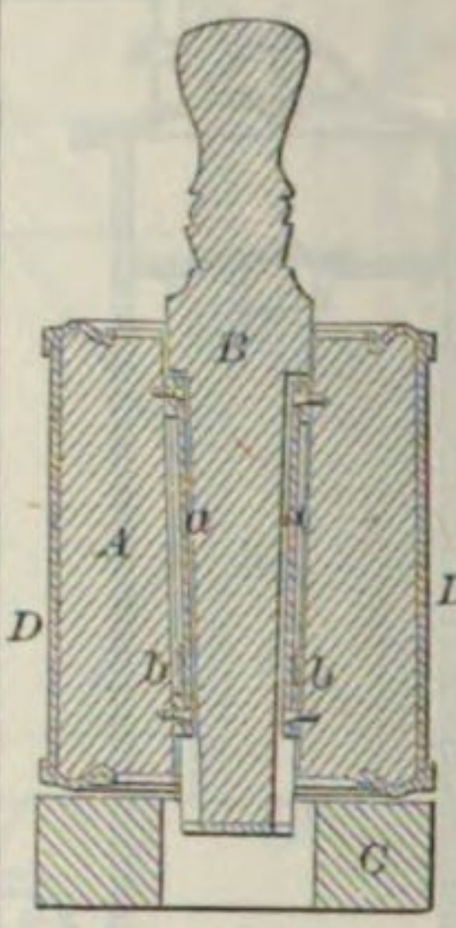
55842—Essex & Johnson—*Dress Elevator*



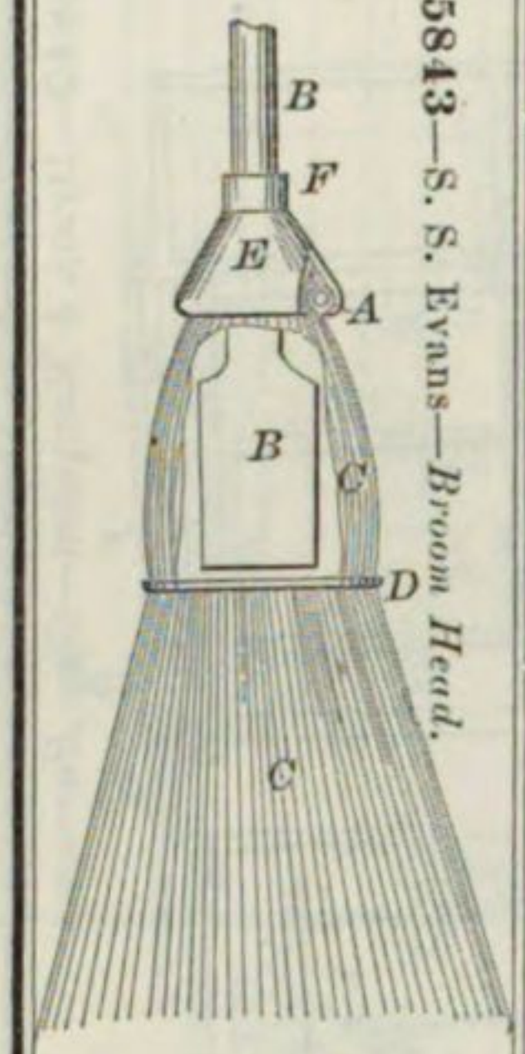
55844—Fox & Herthel—*Draw Bridge.*



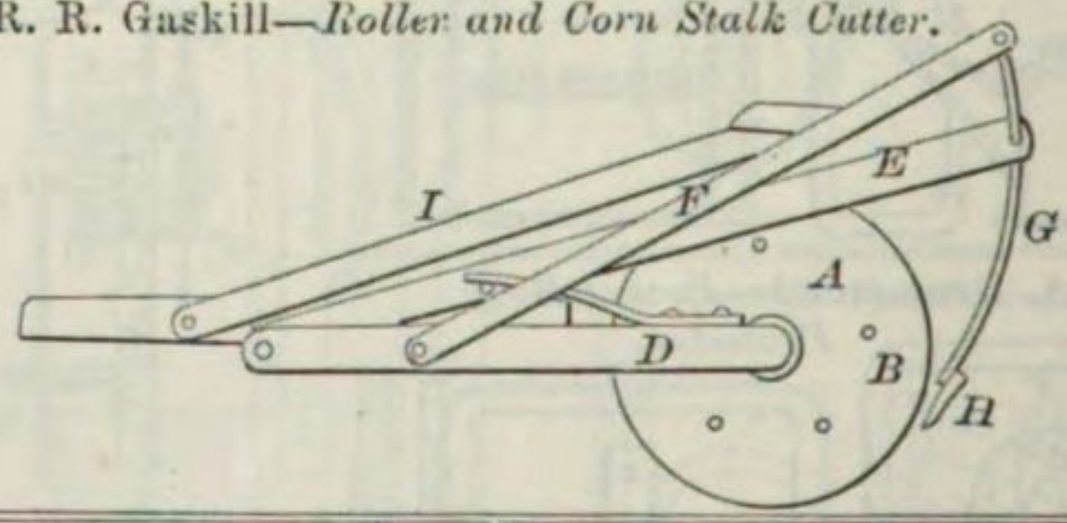
55845—J. M. Francis—*Making Tin Fruit Cans.*



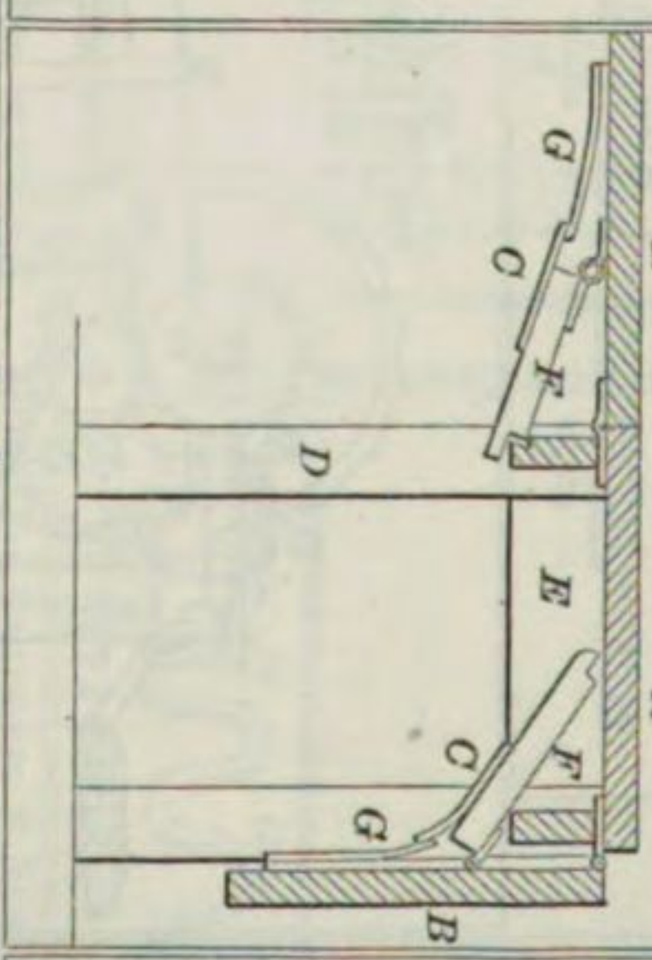
55843—S. S. Evans—*Broom Head.*



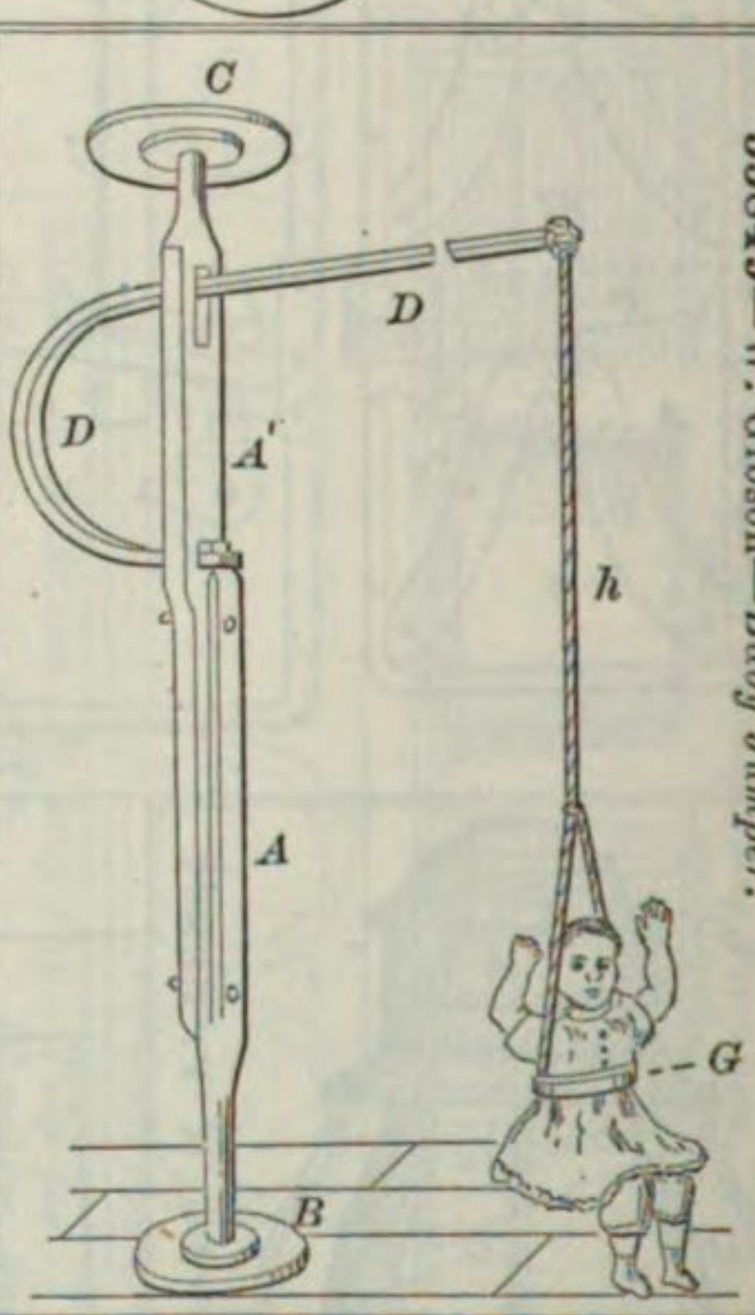
55848—R. R. Gaskill—*Roller and Corn Stalk Cutter.*



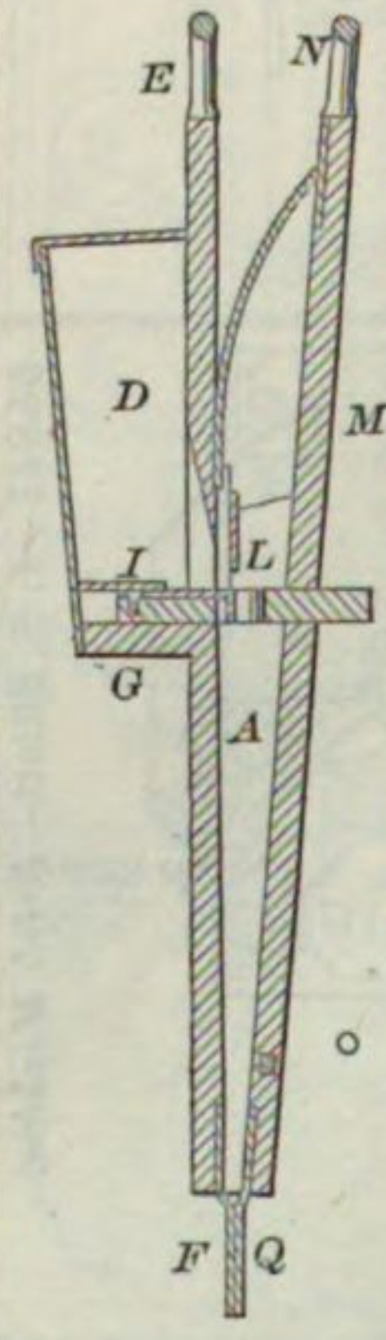
55846—G. Fyfe—*Table Leaf Support.*



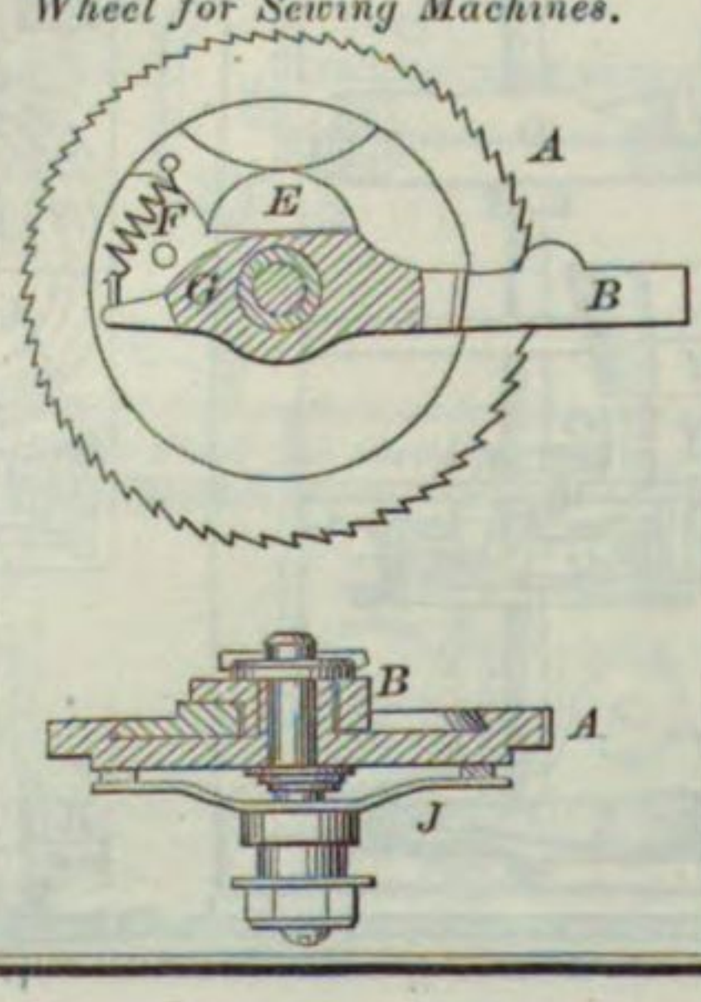
55849—W. Gibson—*Baby Jumper.*



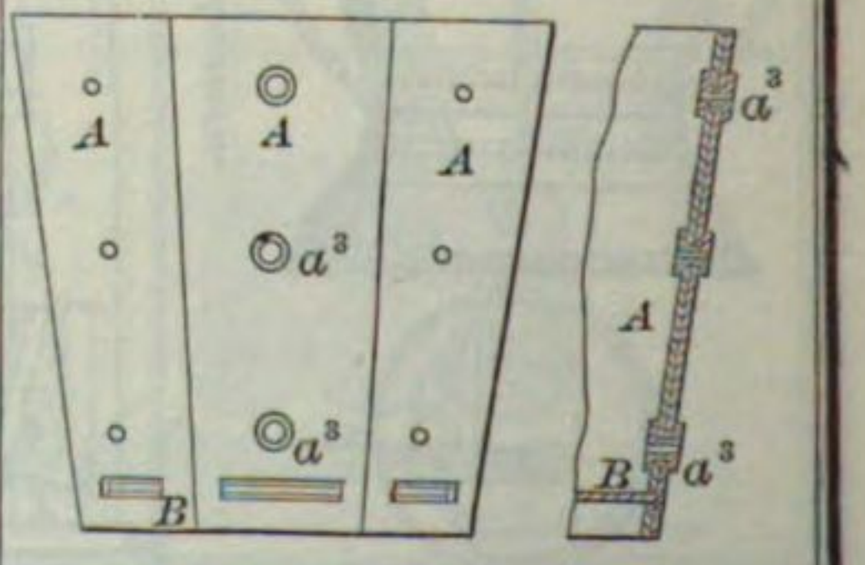
55850—W. Gilbert—*Hand Corn Planter.*



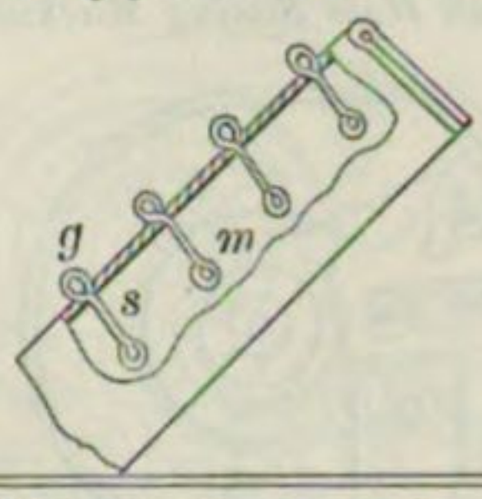
55847—A. Galleth—*Feeding Wheel for Sewing Machines.*



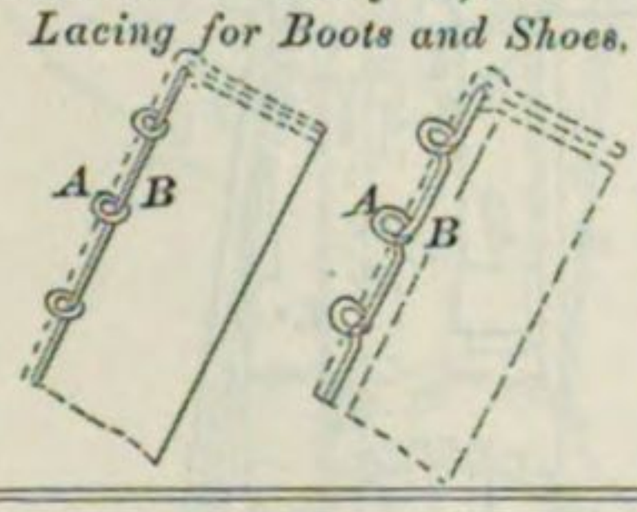
55851—I. C. Gleason—*Fruit Basket*



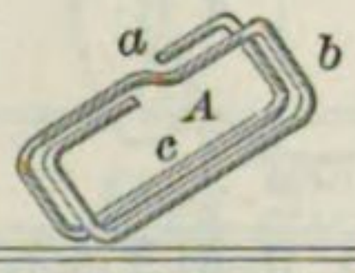
55852—C. Goodyear, Jr.—*Lacing for Boots and Shoes.*



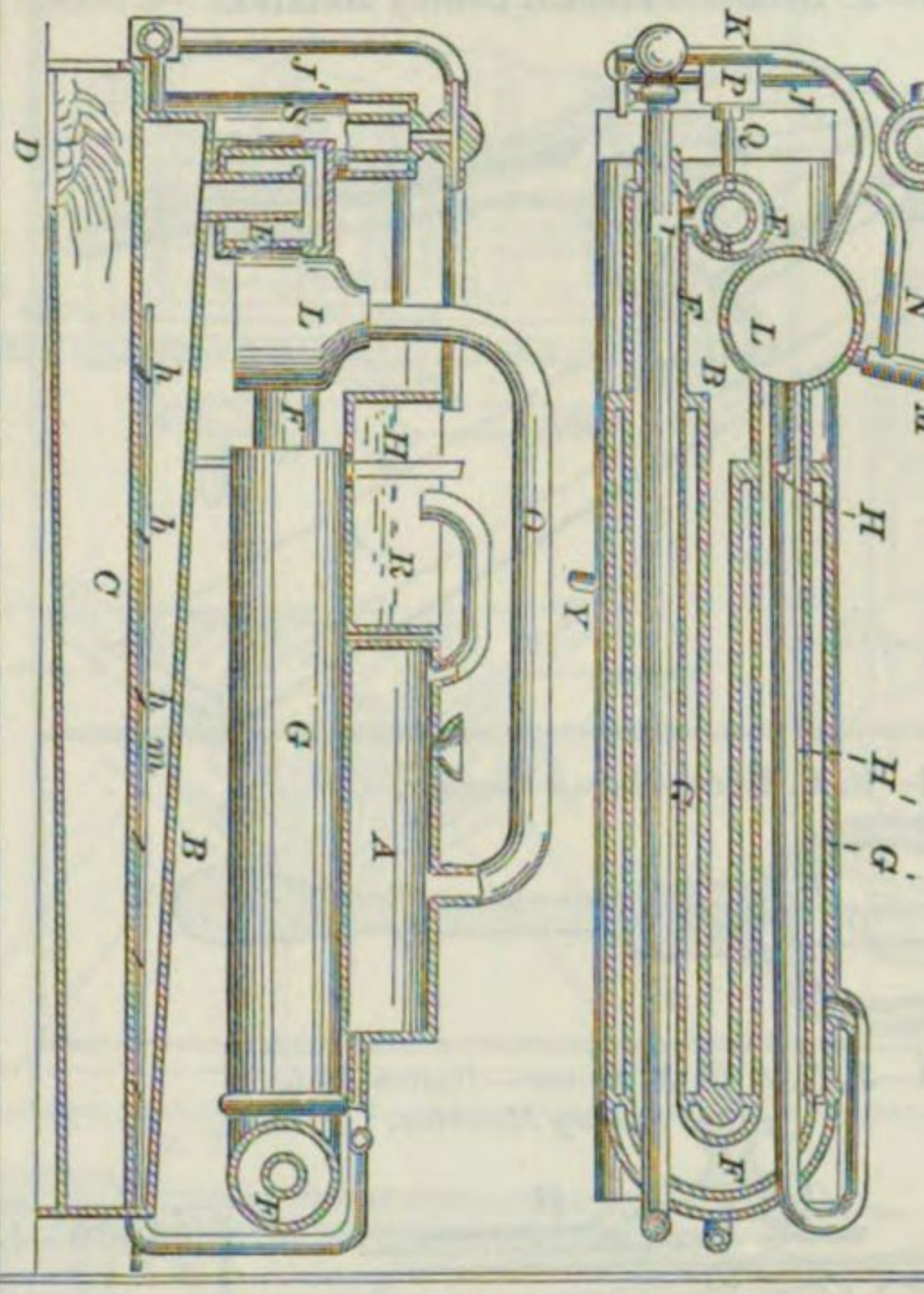
55853—C. Goodyear, Jr.—*Lacing for Boots and Shoes.*



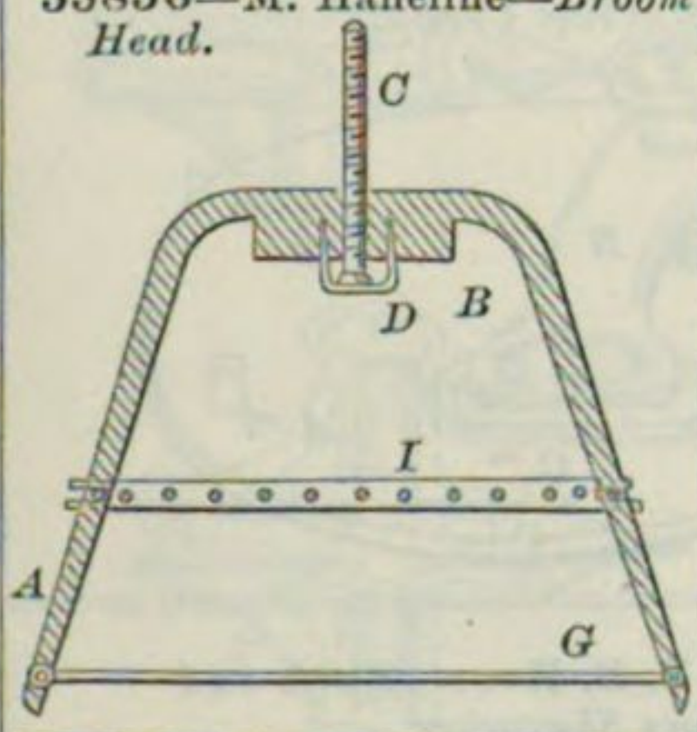
55854—Gunning & Meyer—*Buckle.*



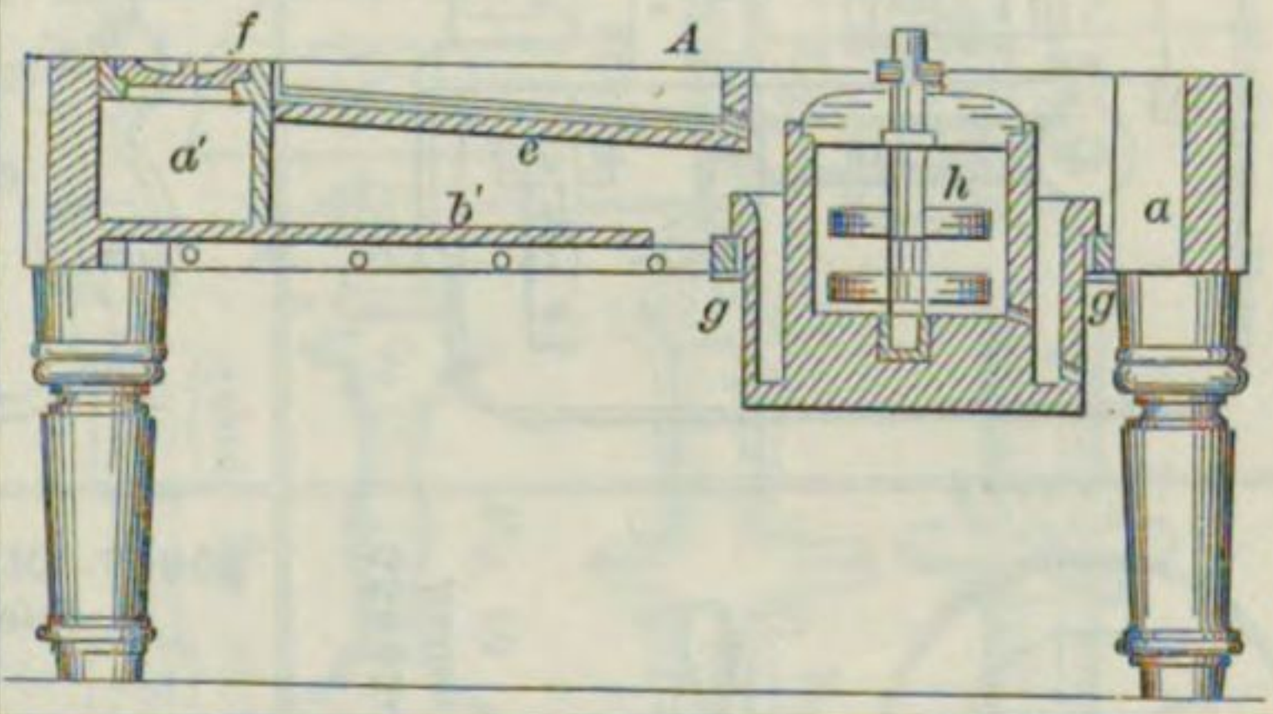
55855—C. H. Hall—*Distilling Petroleum.*



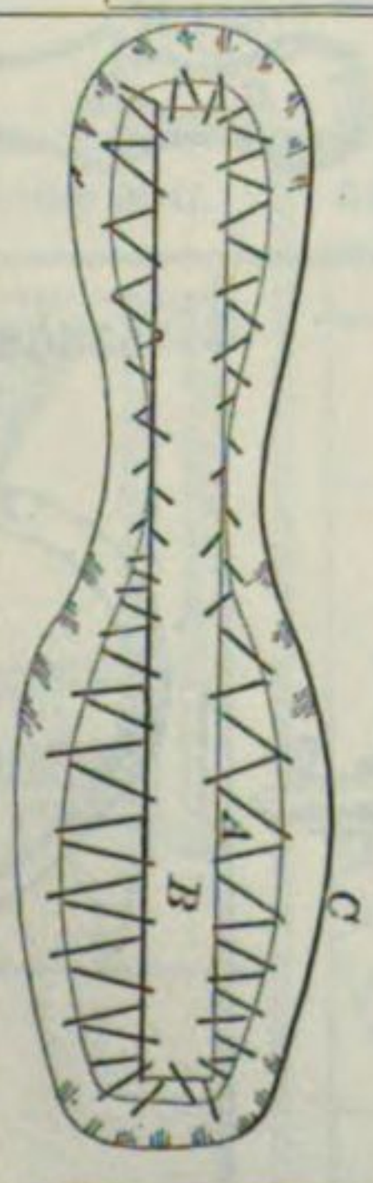
55856—M. Haneline—*Broom Head.*



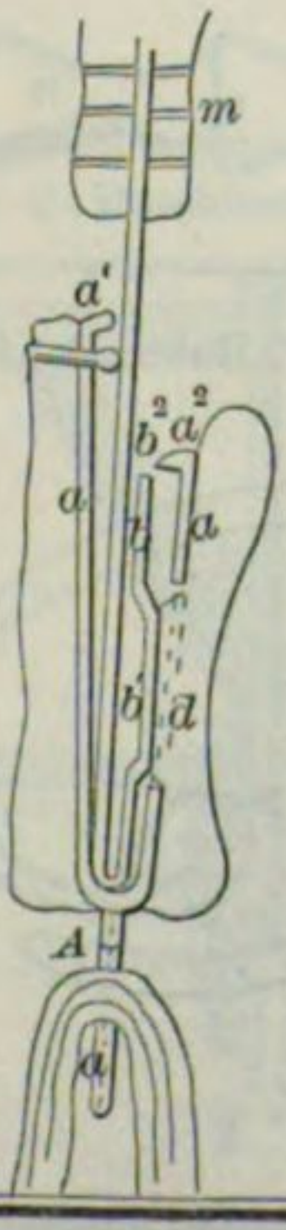
55857—W. H. Hart—*Butter Worker.*



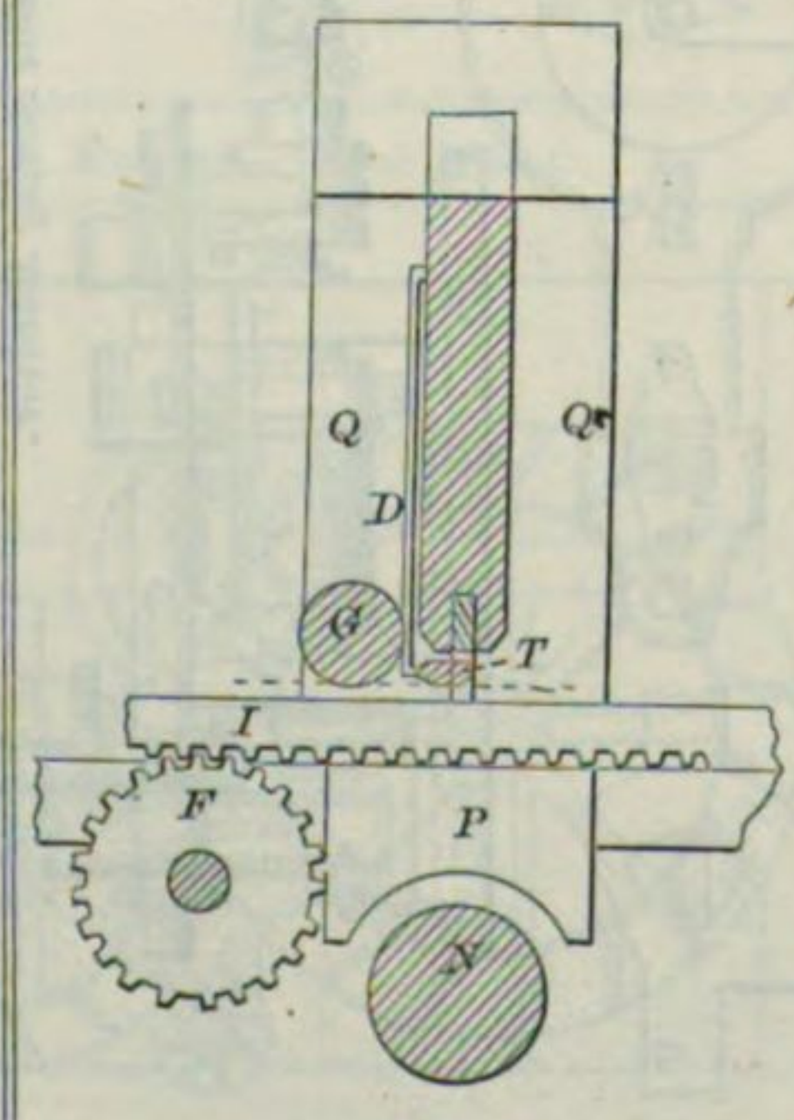
55858—G. Hawkes—*Manufacture of Boots and Shoes.*



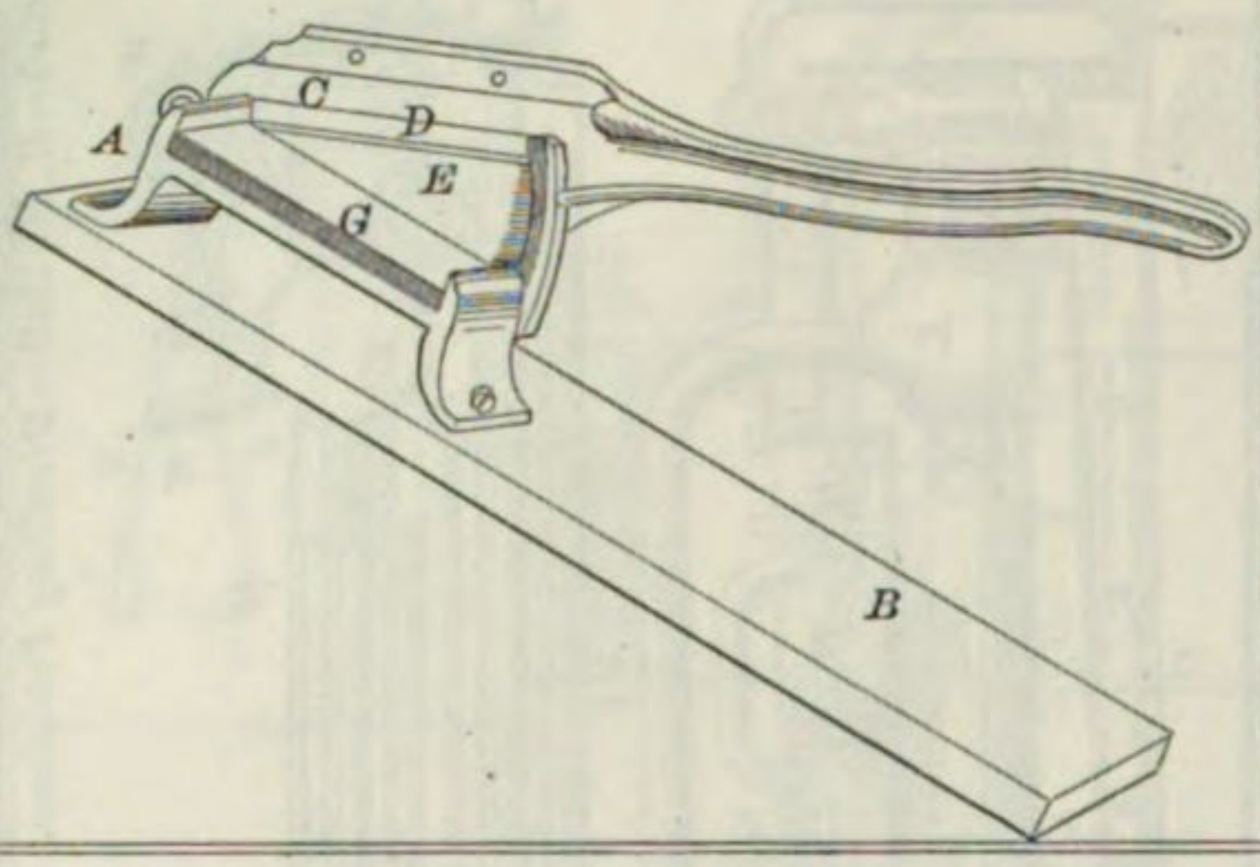
55859—J. G. Hitchcock—*Neck Tie Fastening.*



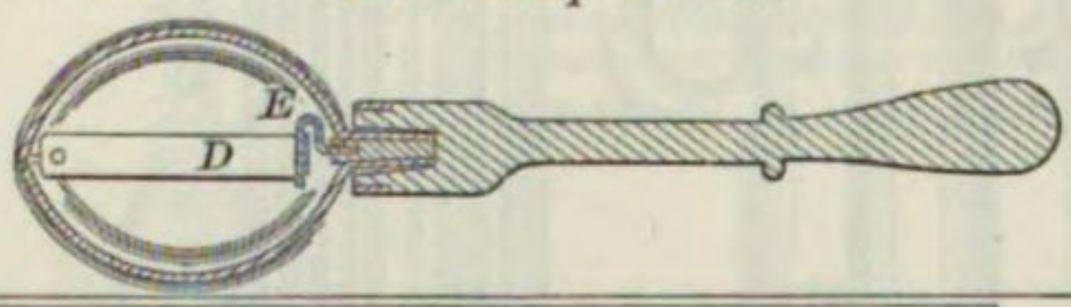
55860—A. D. Hoffman—*For Cutting Fly Nets.*



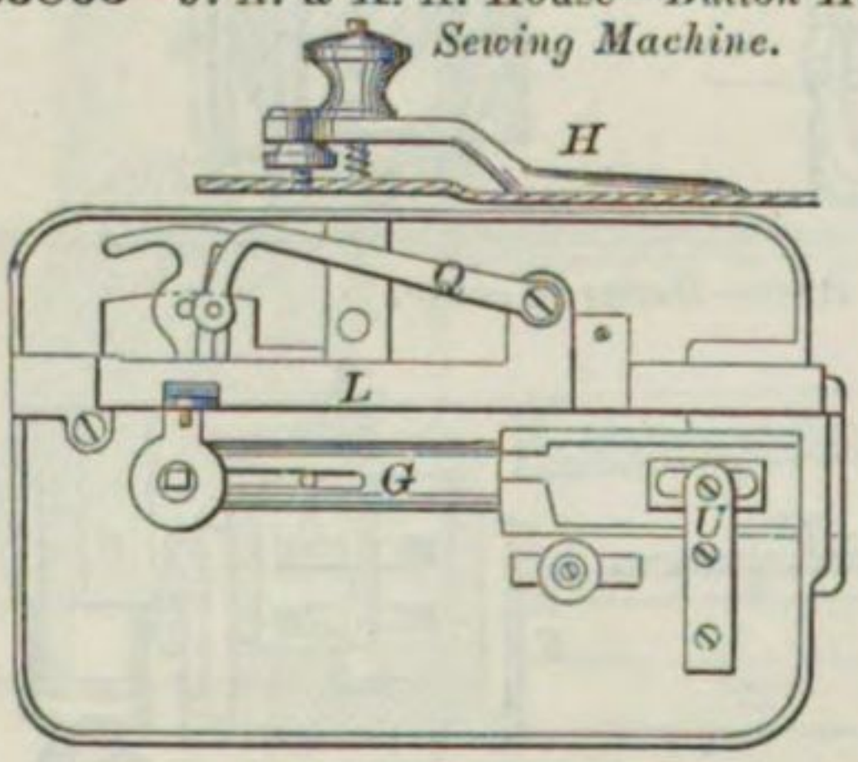
55861—E. Holmes—*Tobacco Cutting Machine.*



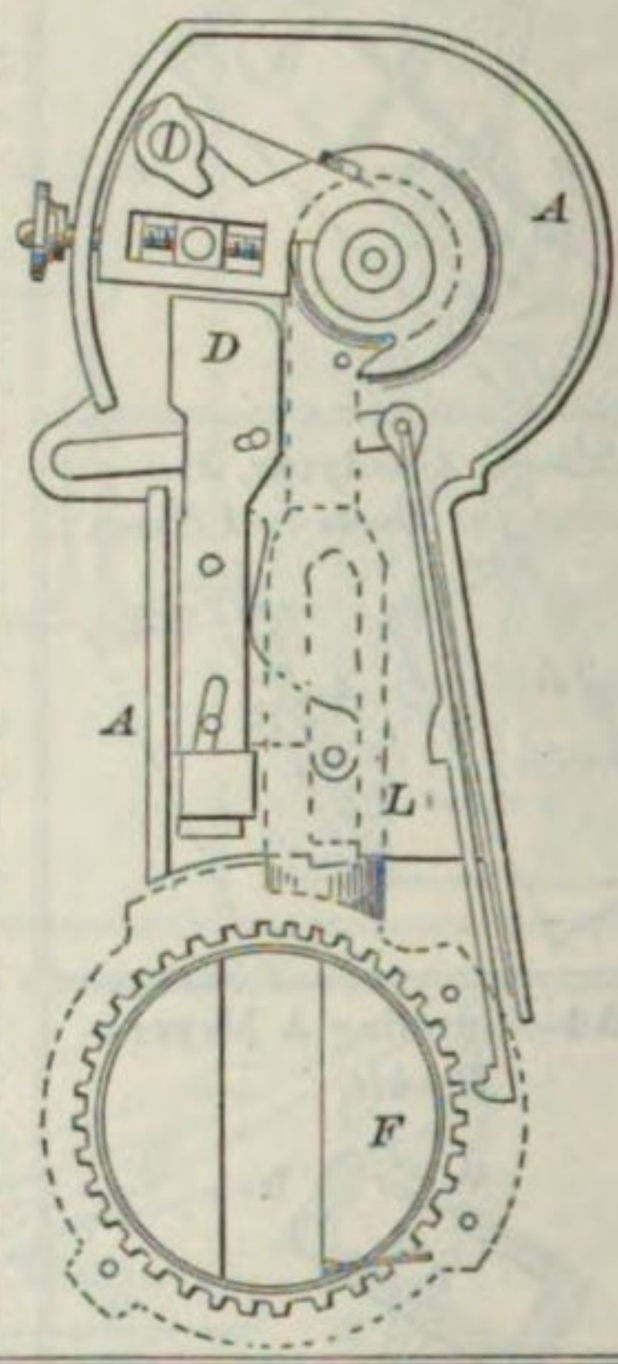
55862—B. F. Horn—*Lamp Cleaner.*



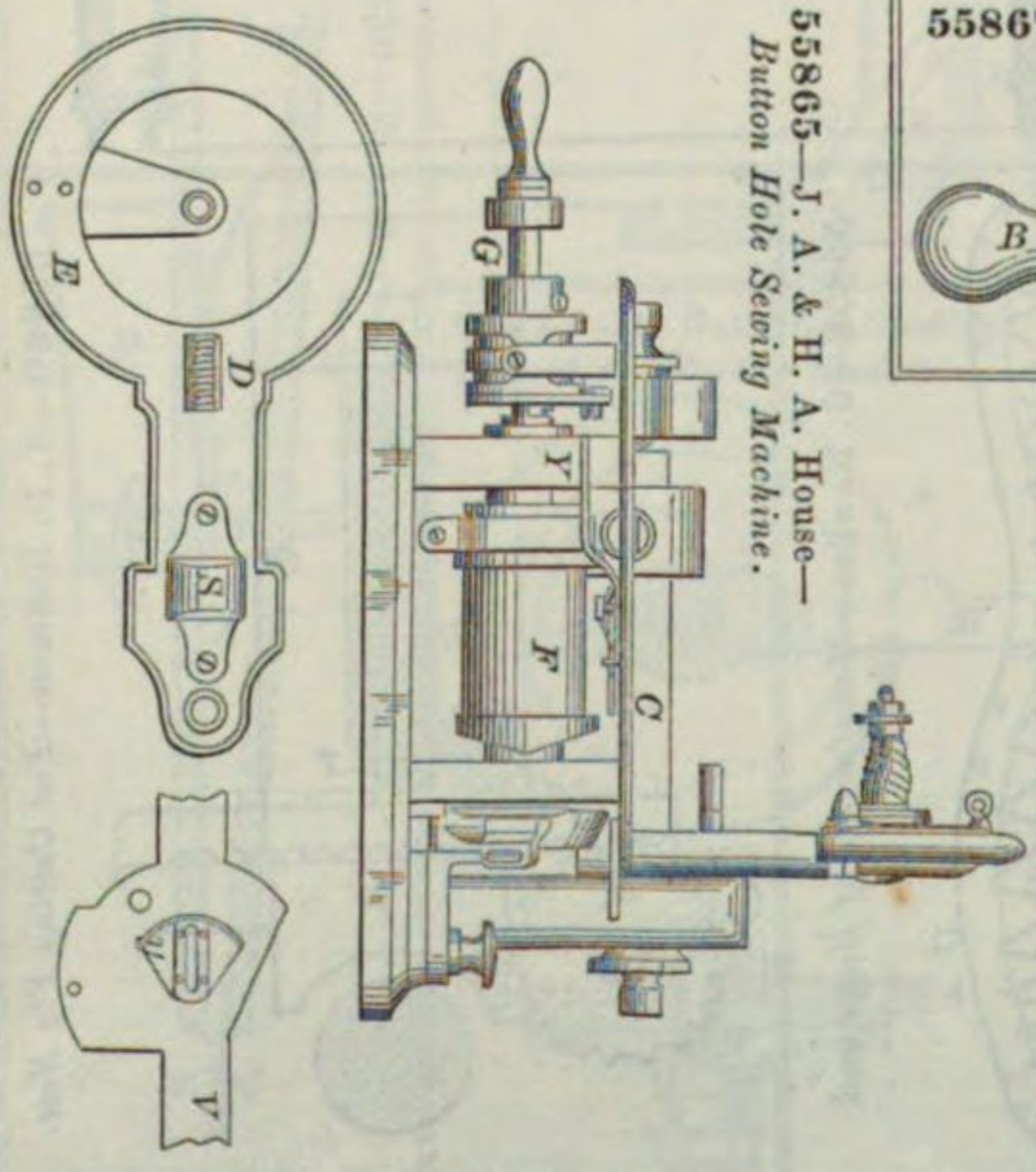
55863—J. A. & H. A. House—*Button Hole Sewing Machine.*



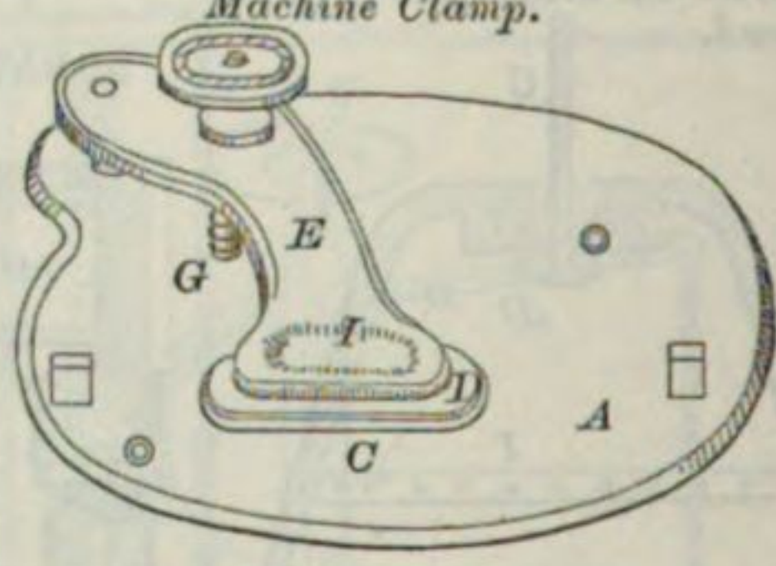
55864—J. A. & H. A. House—*Button Hole Sewing Machine.*



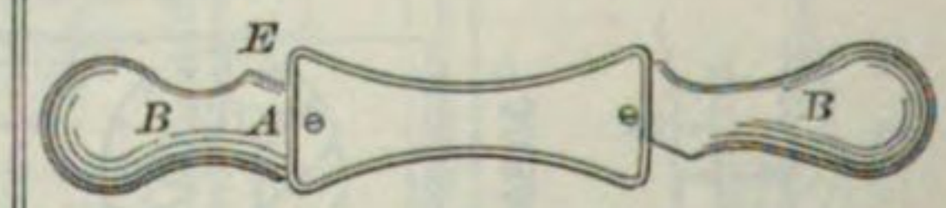
55865—J. A. & H. A. House—*Button Hole Sewing Machine.*



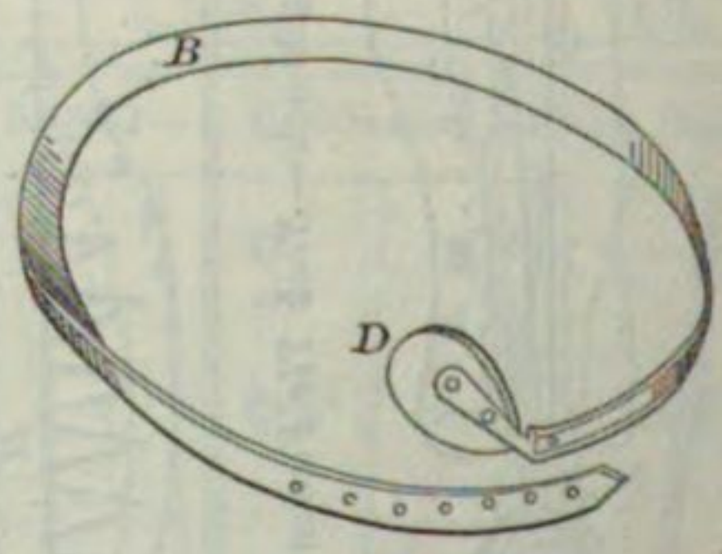
55866—J. A. & H. A. House—*Sewing Machine Clamp.*



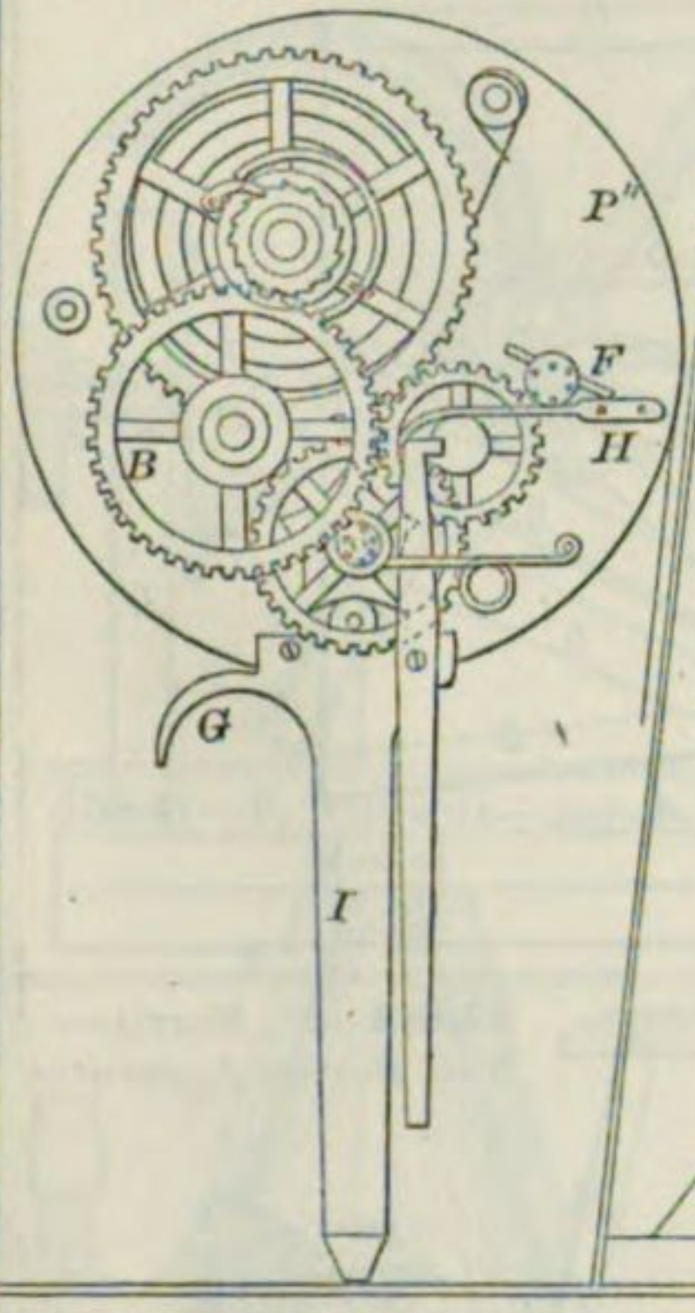
55867—M. V. B. Howe—*Knife and Scissors Sharpener.*



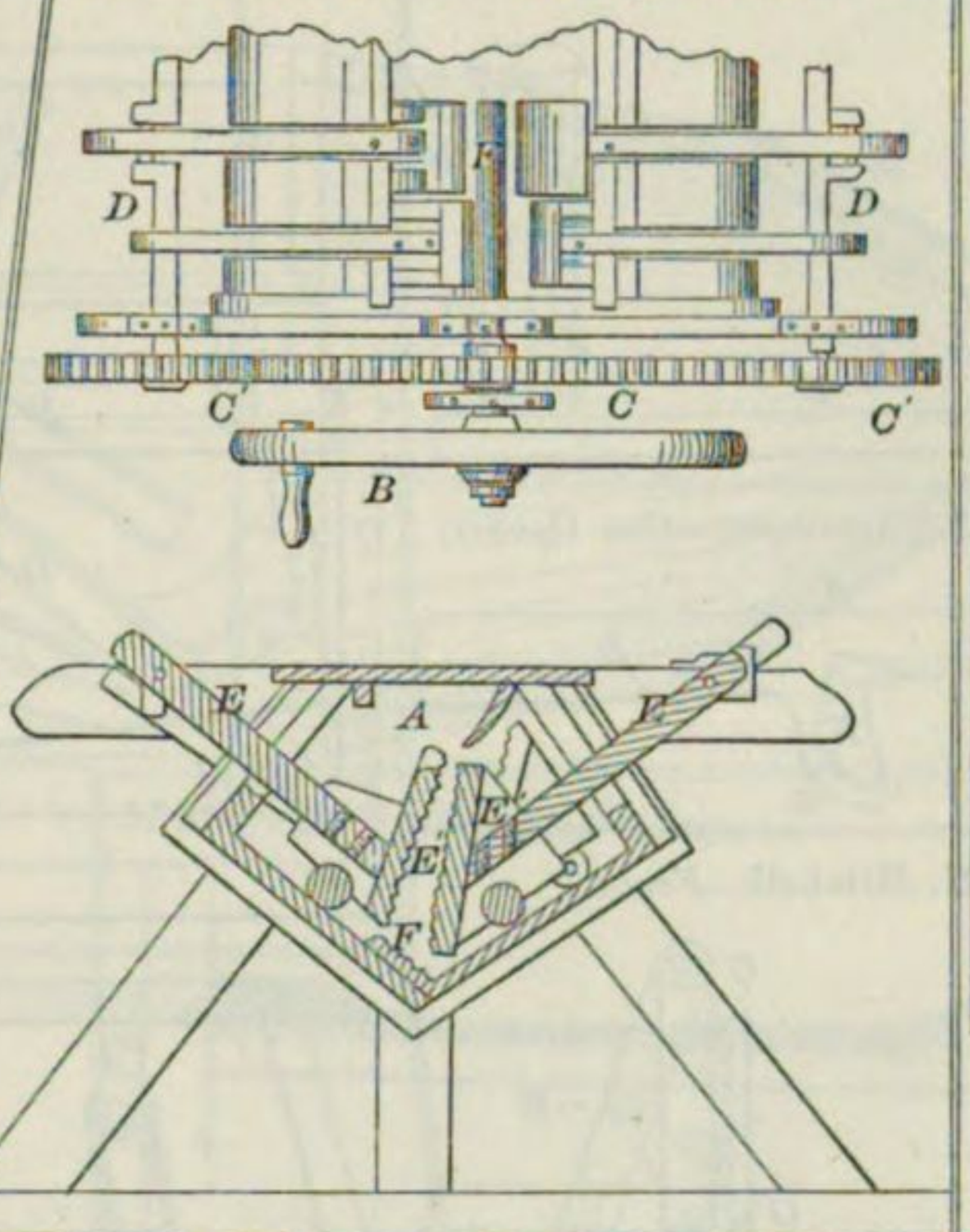
55868—N. W. Hubbard—*Truss.*



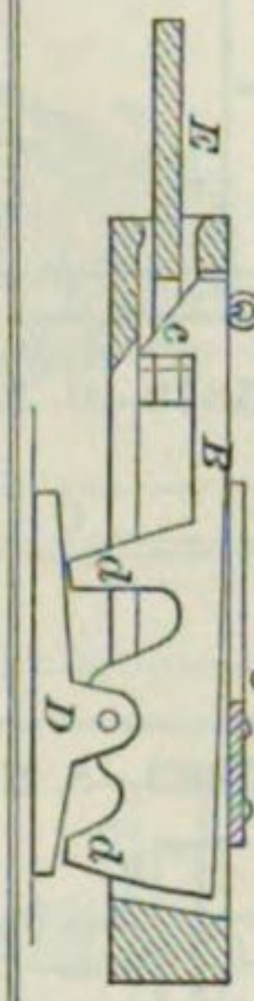
55869—S. Huffman—*For Making Patterns.*



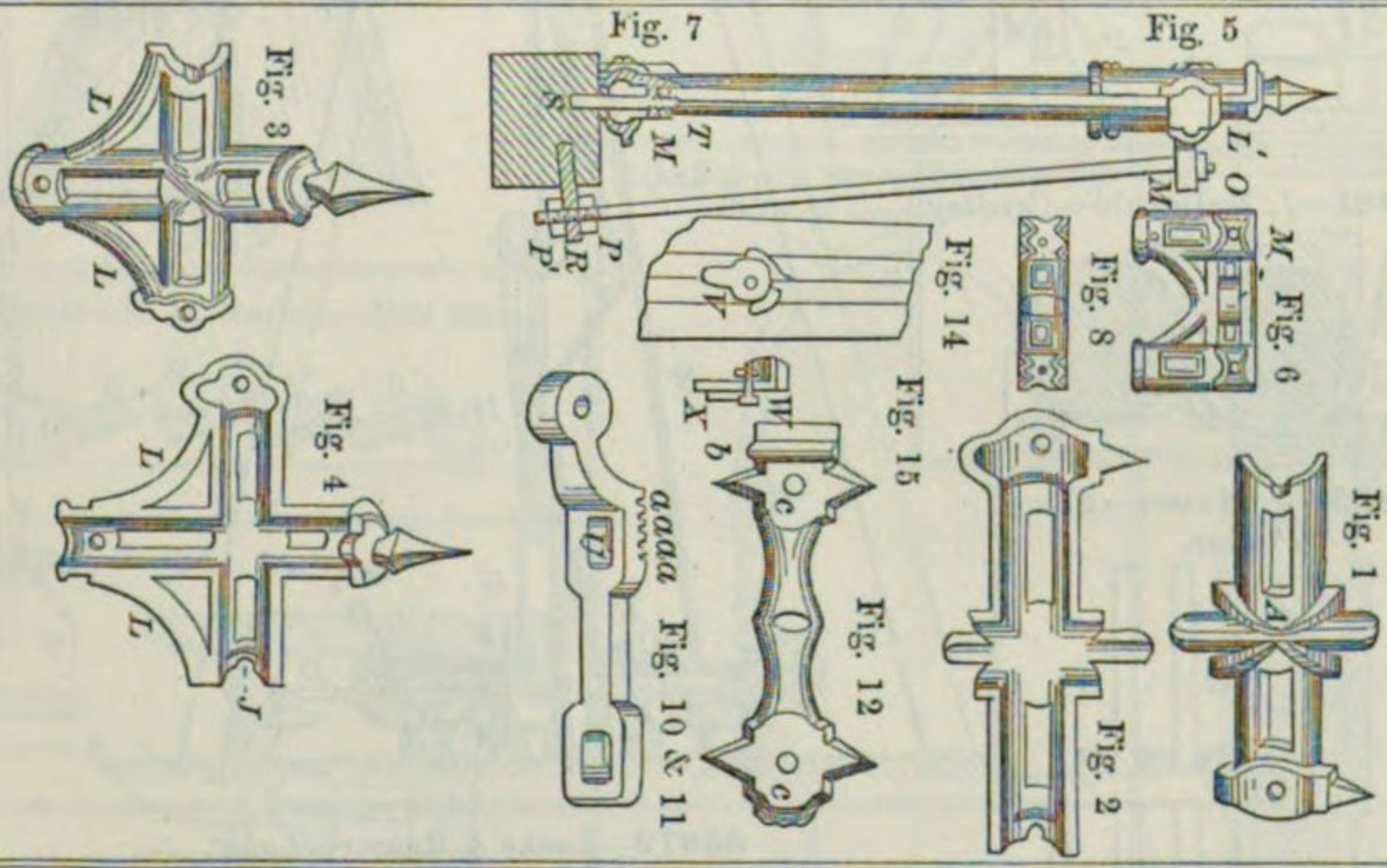
55873—A. Irion—*Washing Machine.*



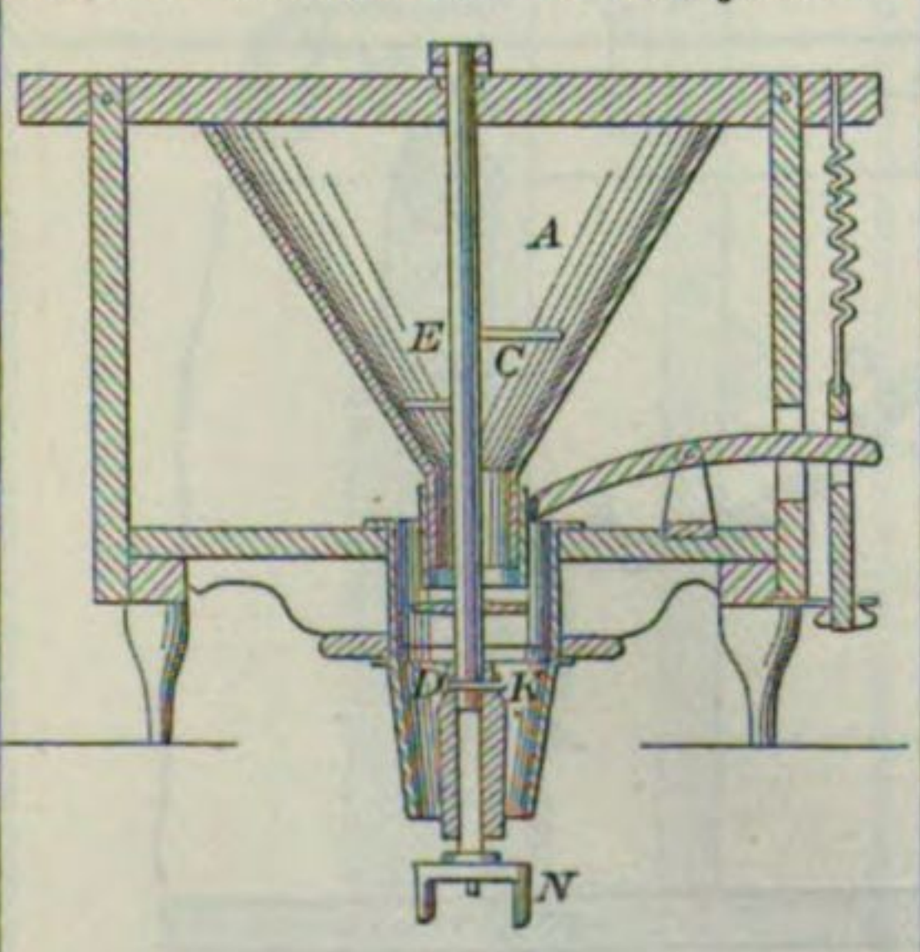
55870—H. Hughes—*Car Coupling.*



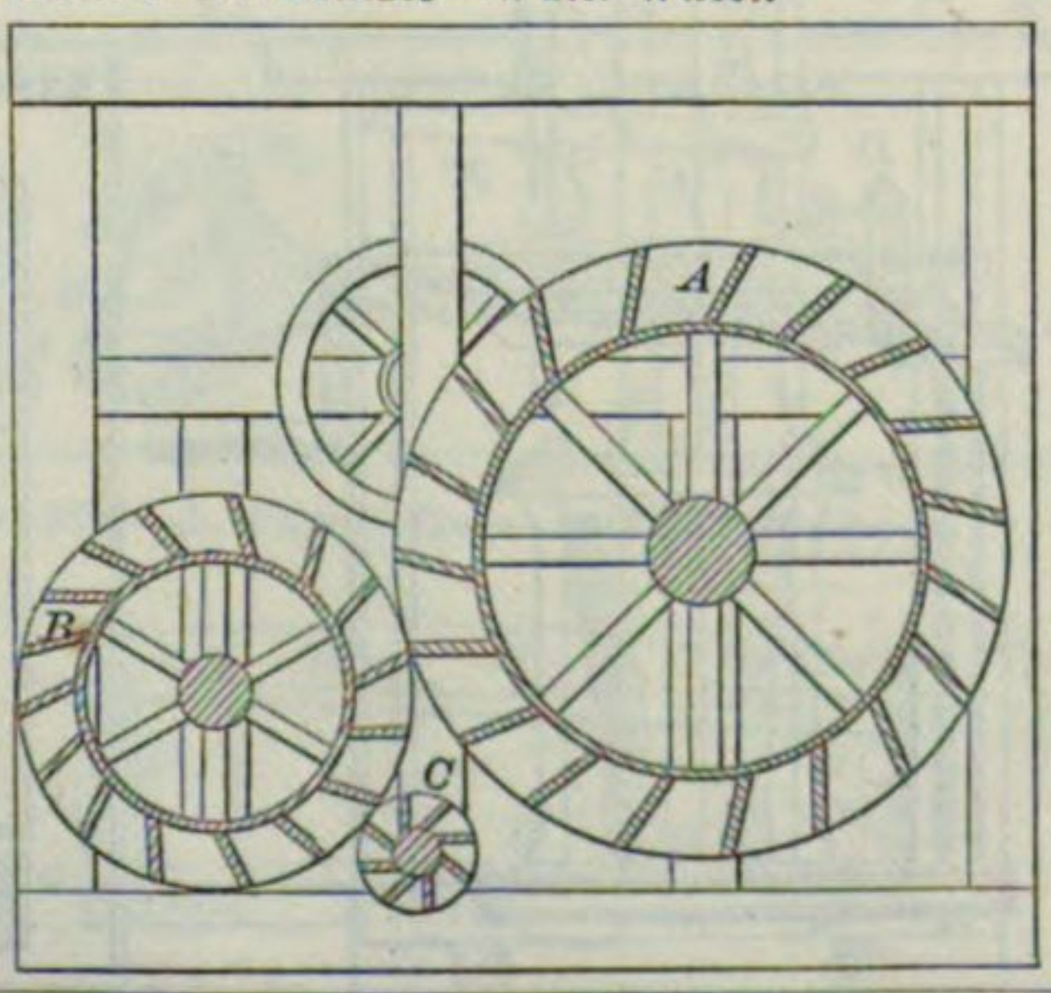
55874—T. E. King—*Fence.*



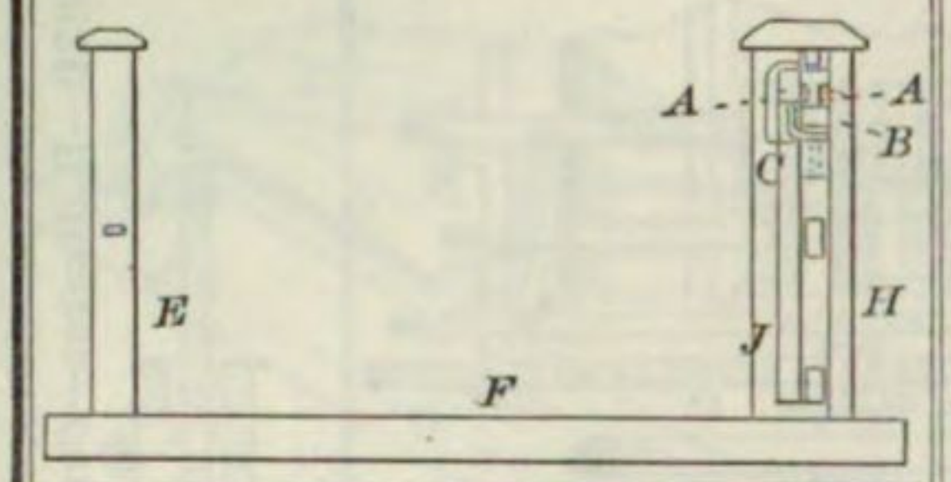
55872—J. Hutchison—*Grinding Mill.*



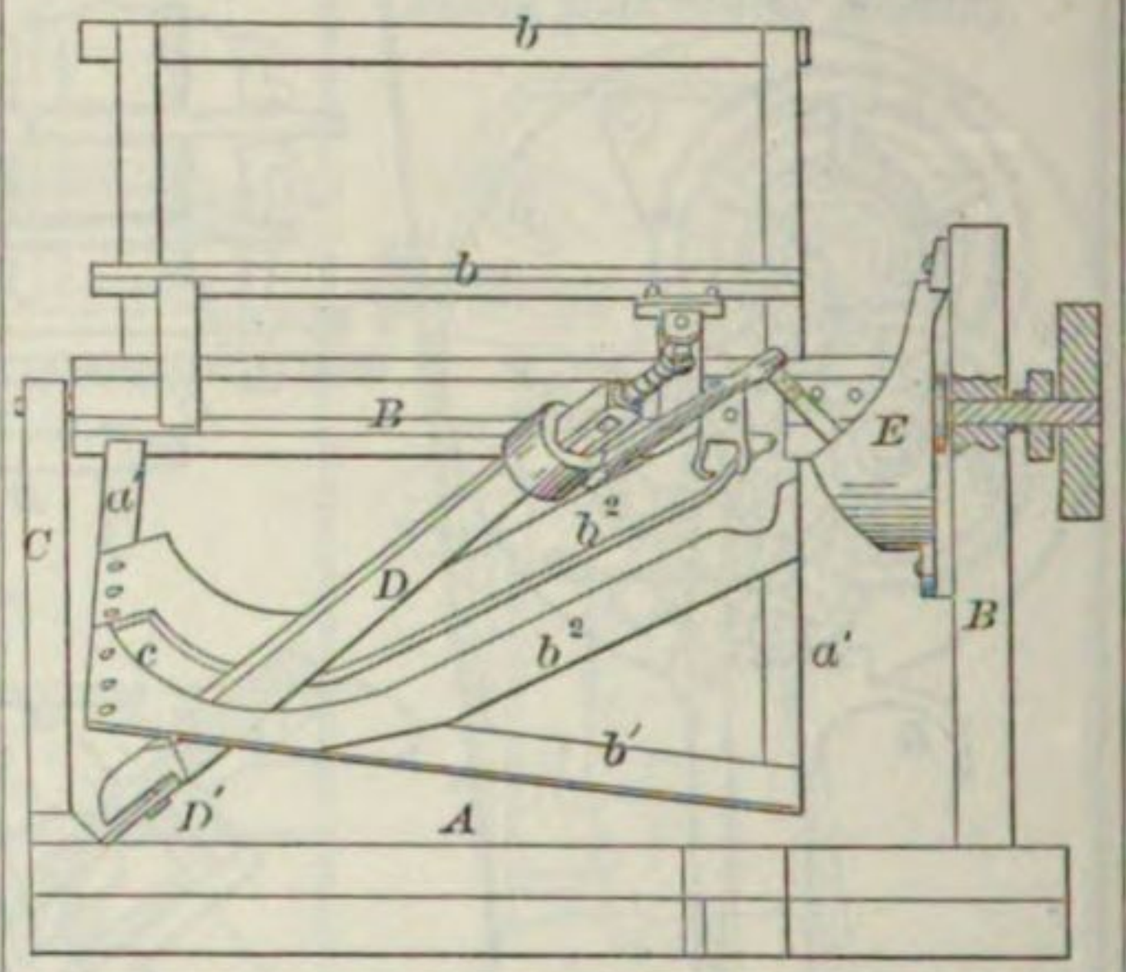
55875—L. Kratzer—*Water Wheel.*



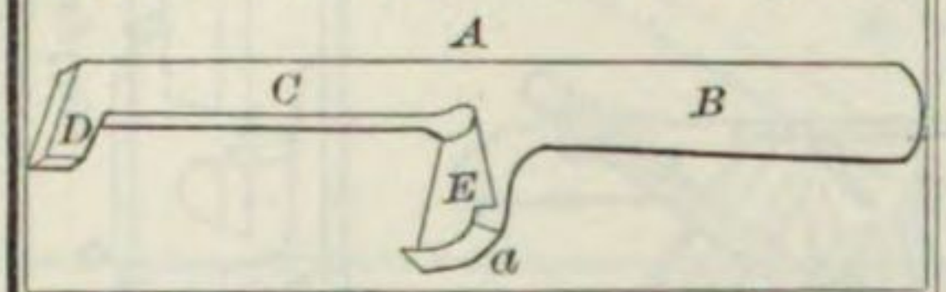
55876—J. Lee—*Farm Gate.*



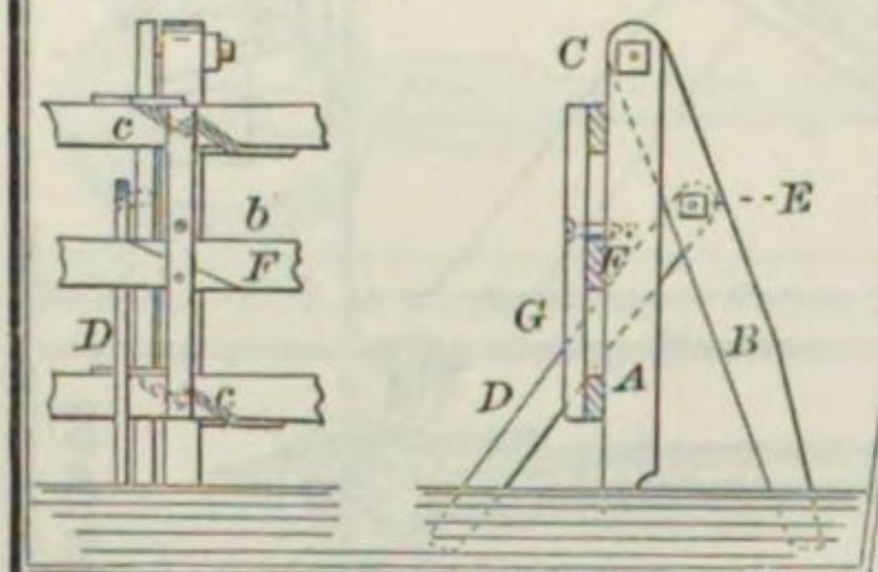
55877—E. J. Leyburn—*Harvester Rake.*



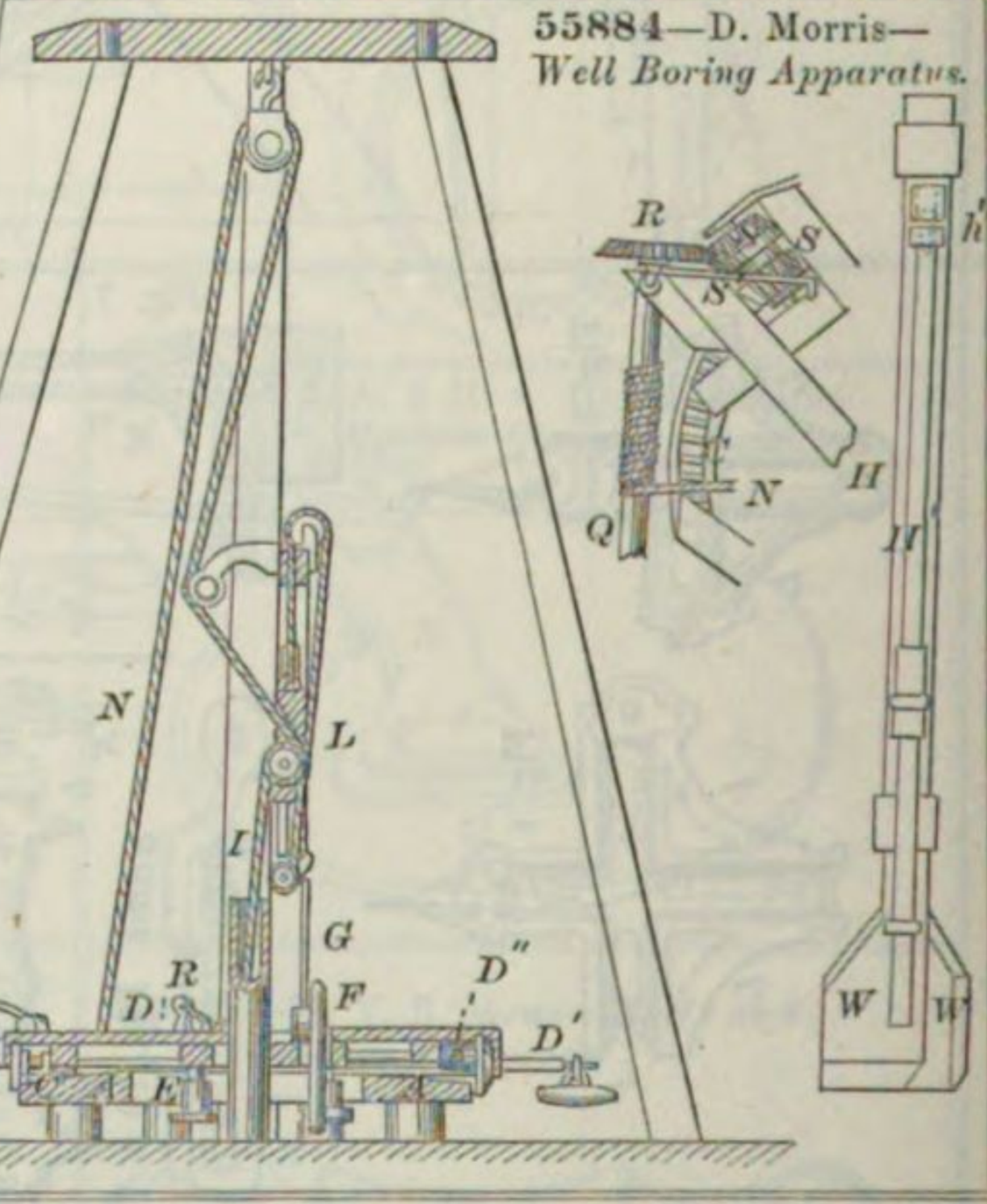
55878—O. J. Livermore—*Can Opener.*



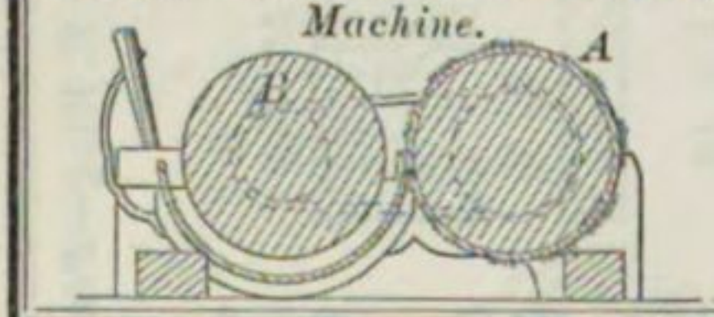
55883—S. H. Mitchell—*Fence.*



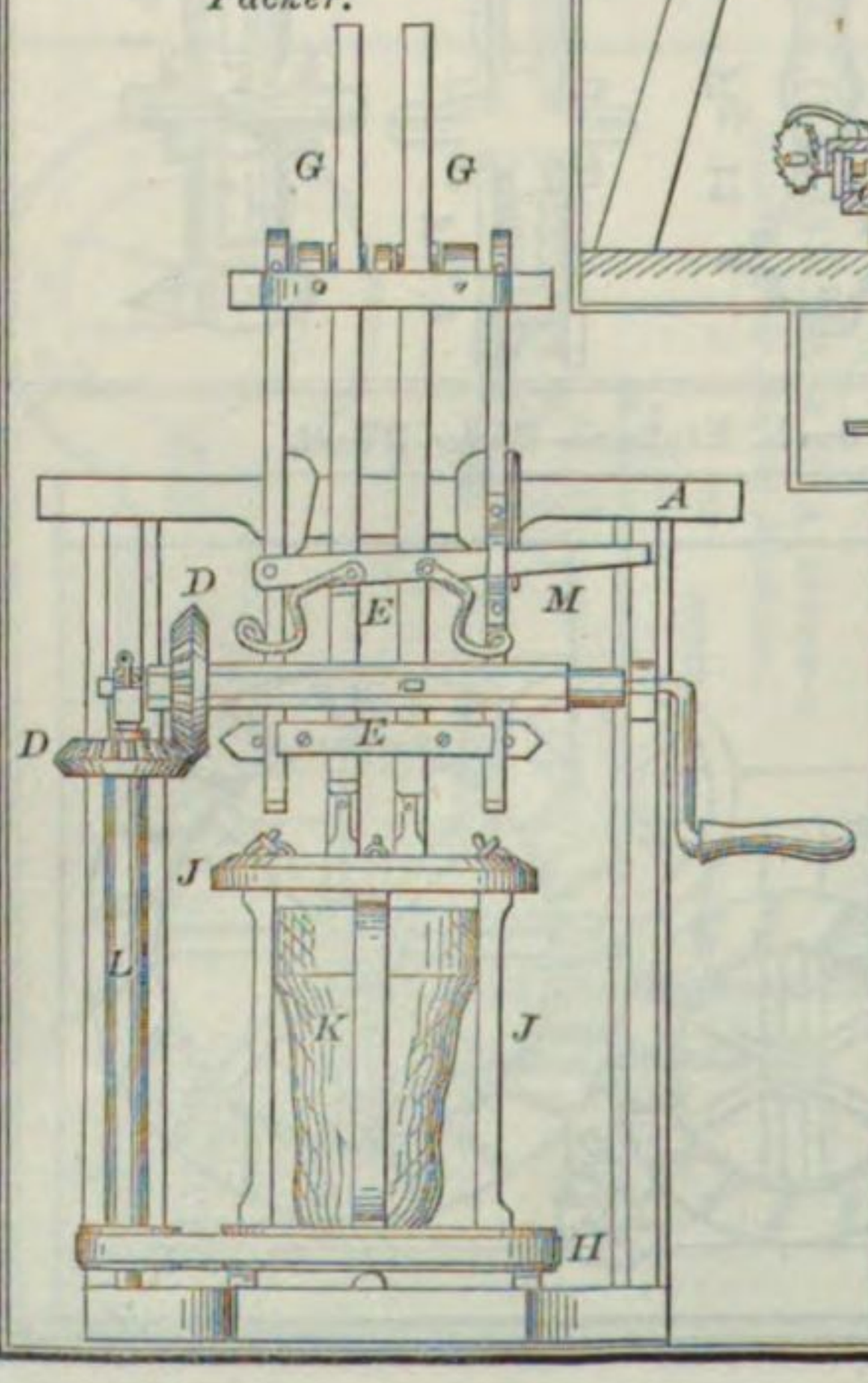
55884—D. Morris—*Well Boring Apparatus.*



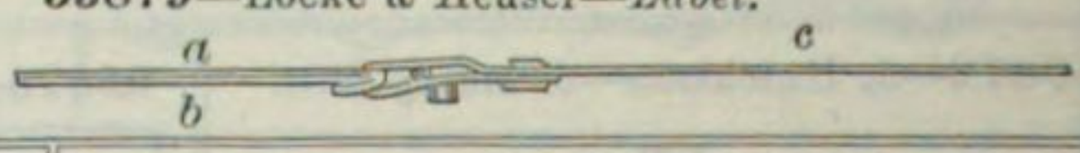
55881—J. McDonald—*Carding Machine.*



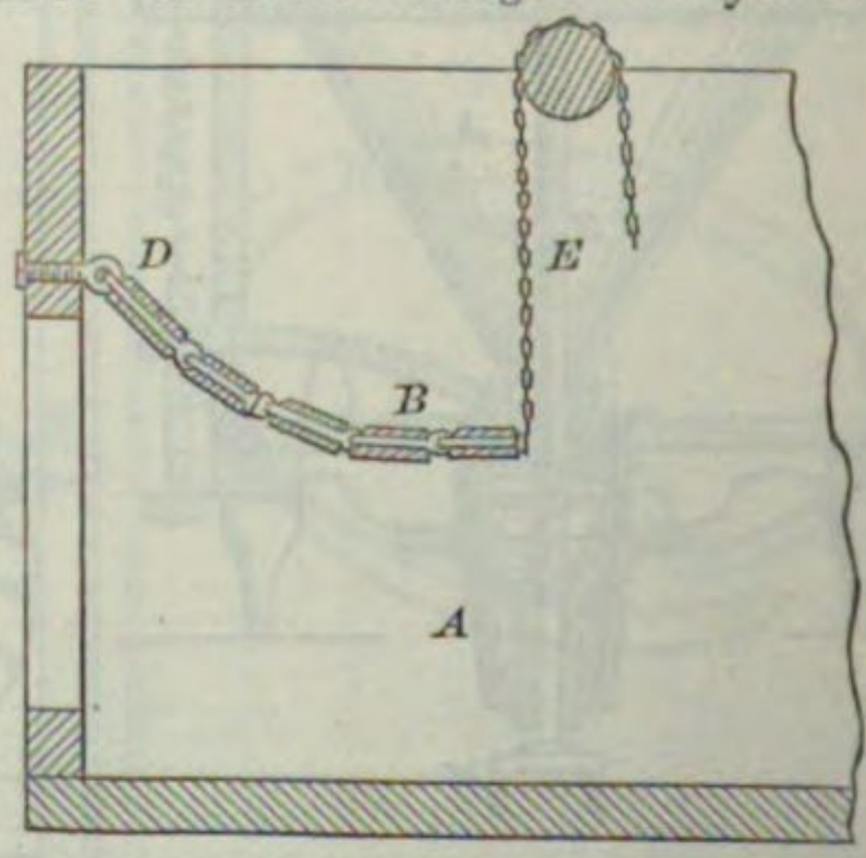
55885—J. Musser—*Flour Packer.*



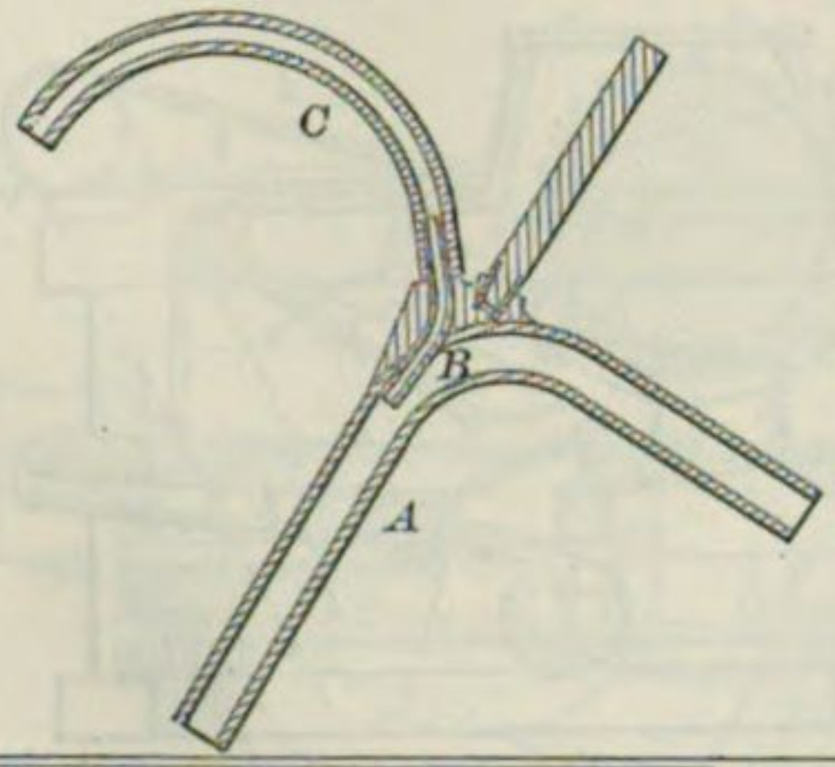
55879—Locke & Heuser—*Label.*



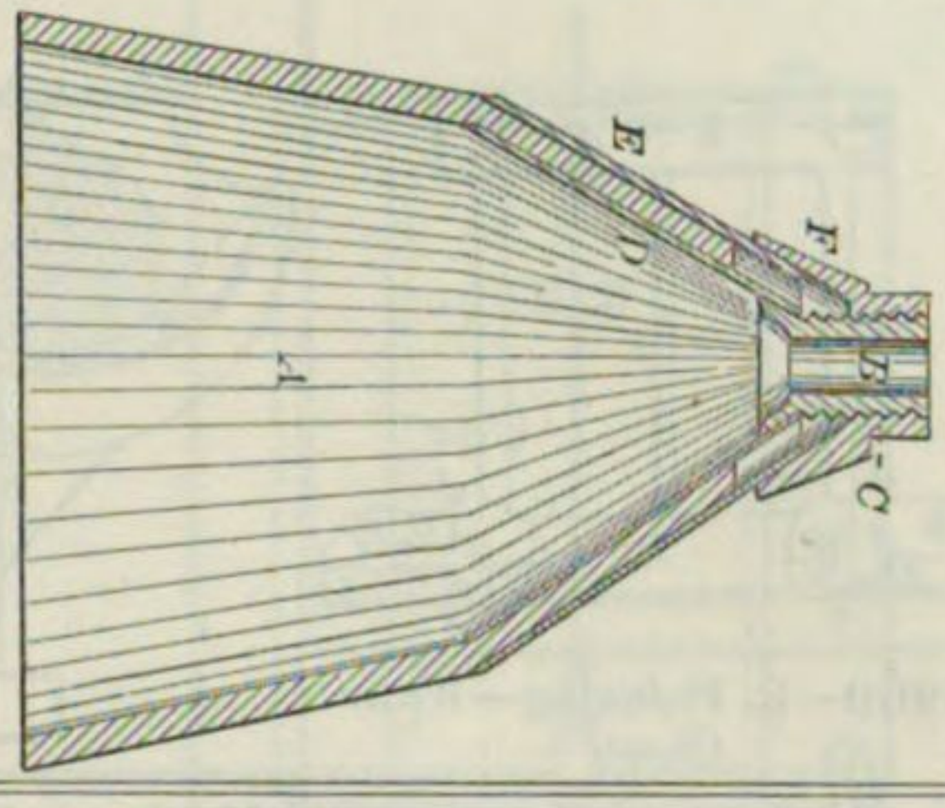
55882—Meeker & Cortright—*Gate for Forebay.*



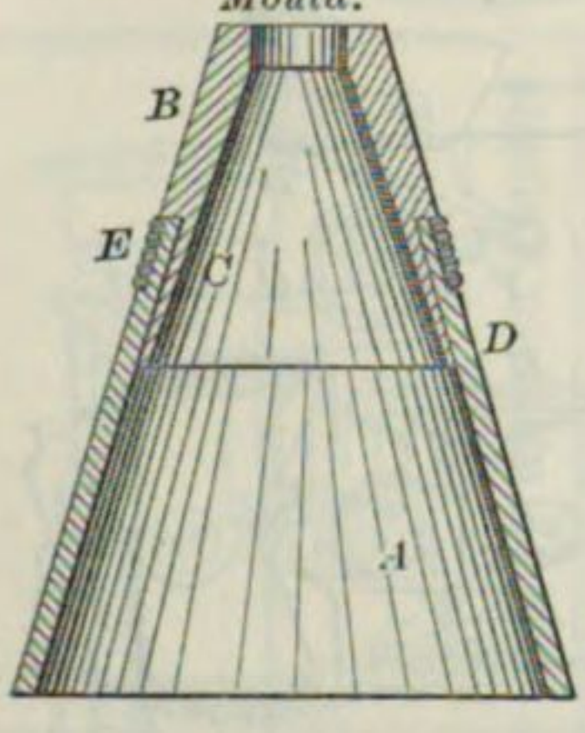
55886—G. Nebeker—*Agitating and Heating Apparatus.*



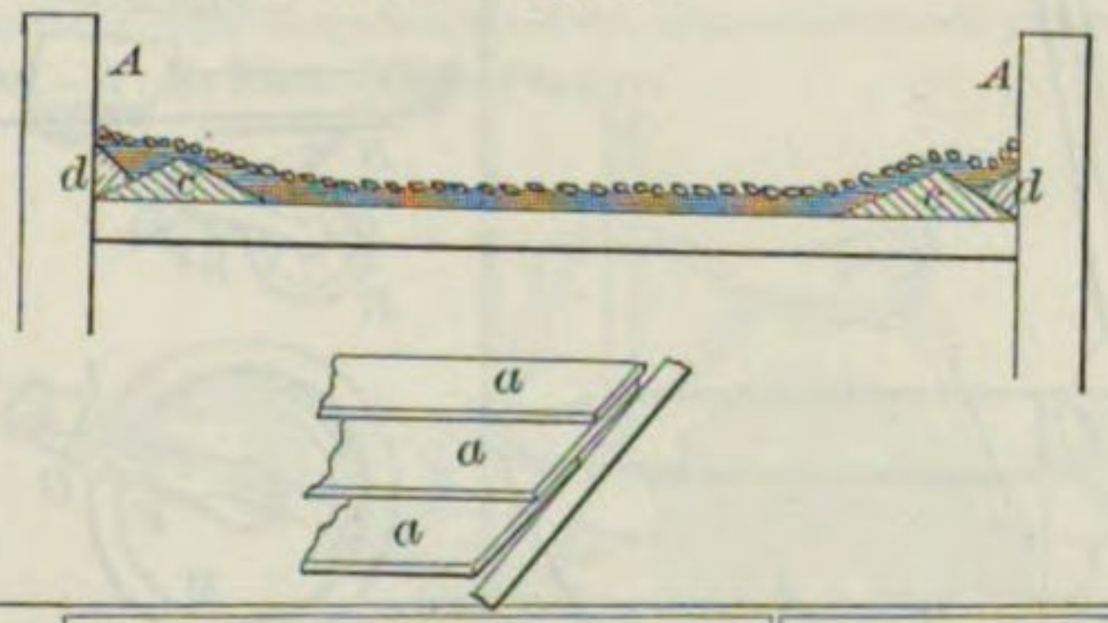
55888—F. Nishwitz—*Sugar Mould Tip.*



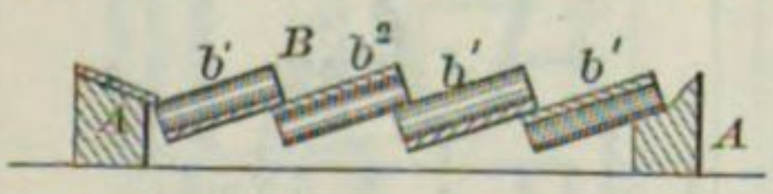
55887—F. Nishwitz—*Sugar Mould.*



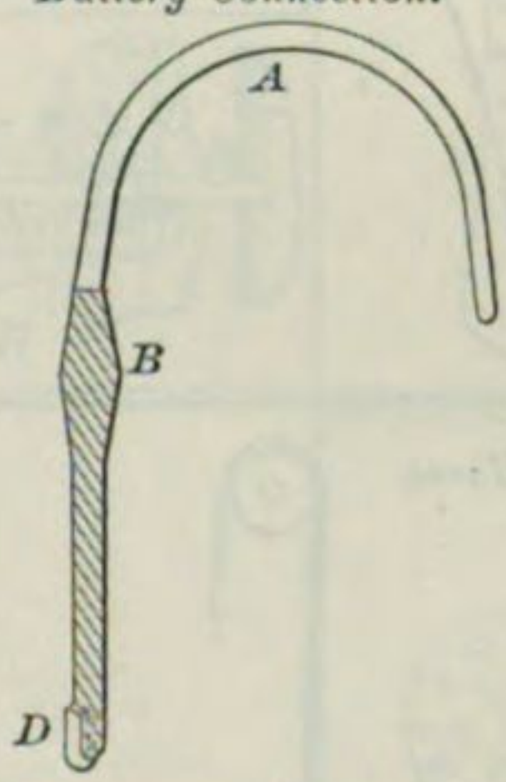
55891—R. Norwood—*Roofing.*



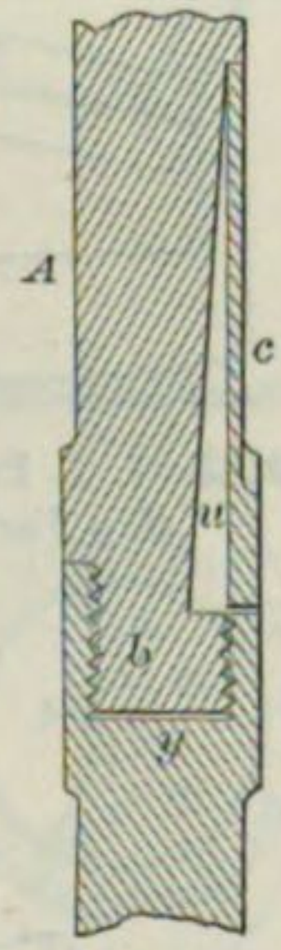
55890—E. D. Norton—*Mill Sieve.*



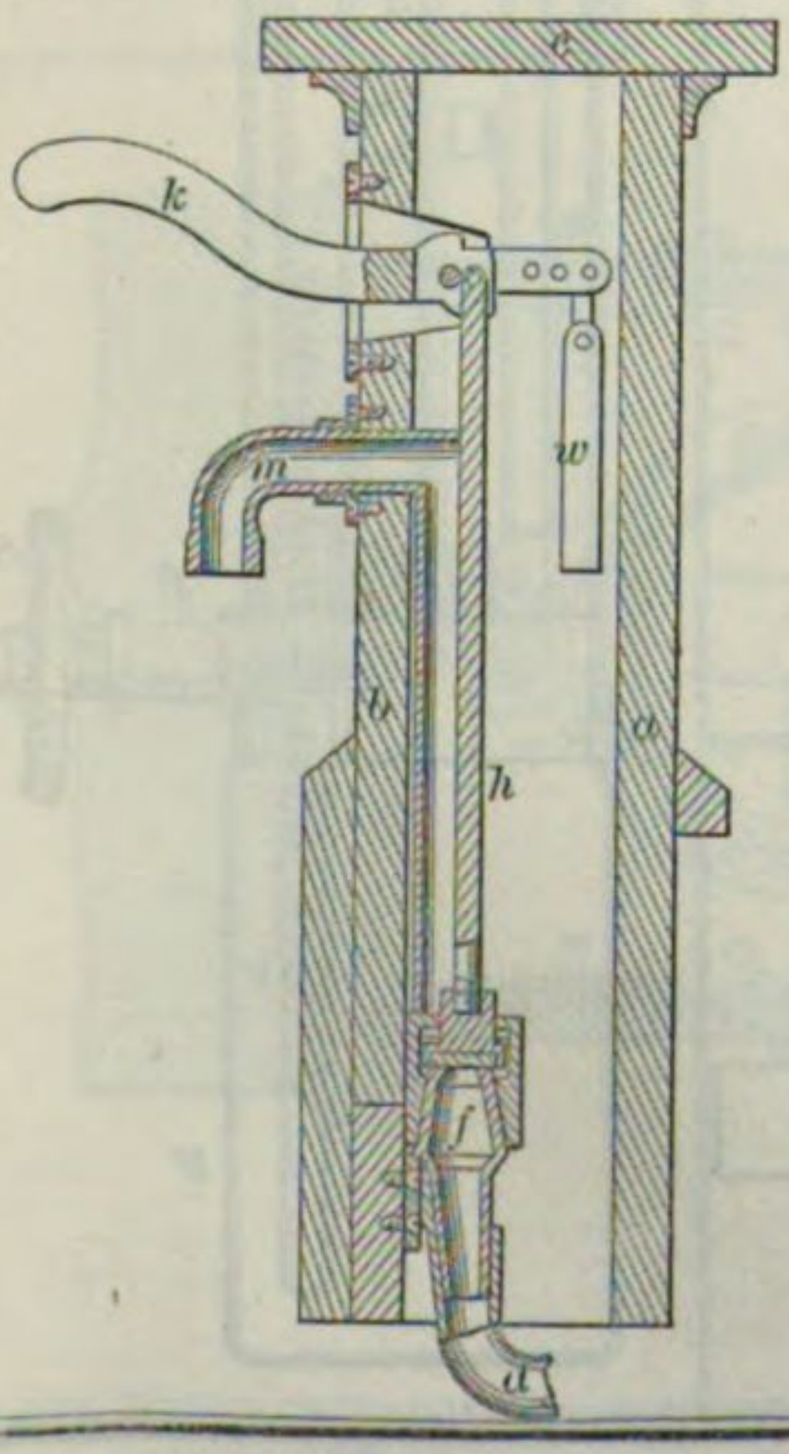
55892—A. S. Ogden—*Carbon Battery Connection.*



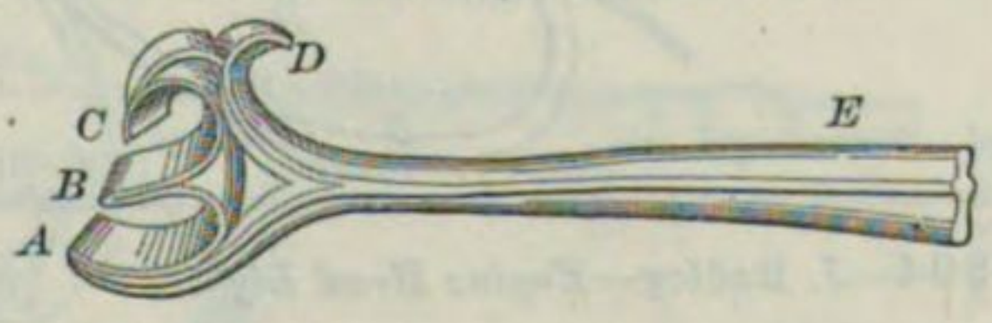
55895—E. E. & C. T. Packer—*Drill Coupling.*



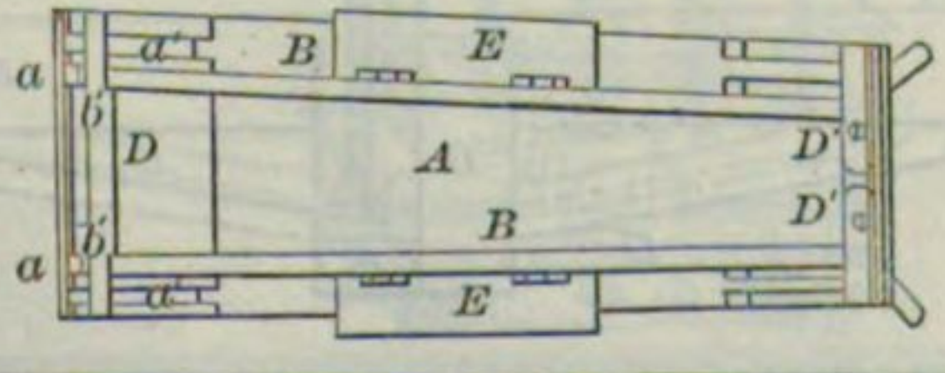
55893—J. Old—*Hydrant.*



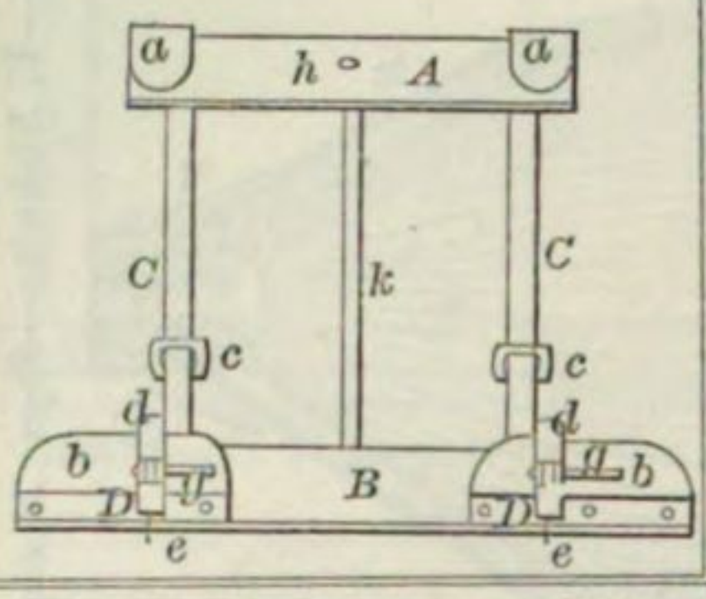
55894—J. Old—*Lifter for Stove Covers.*



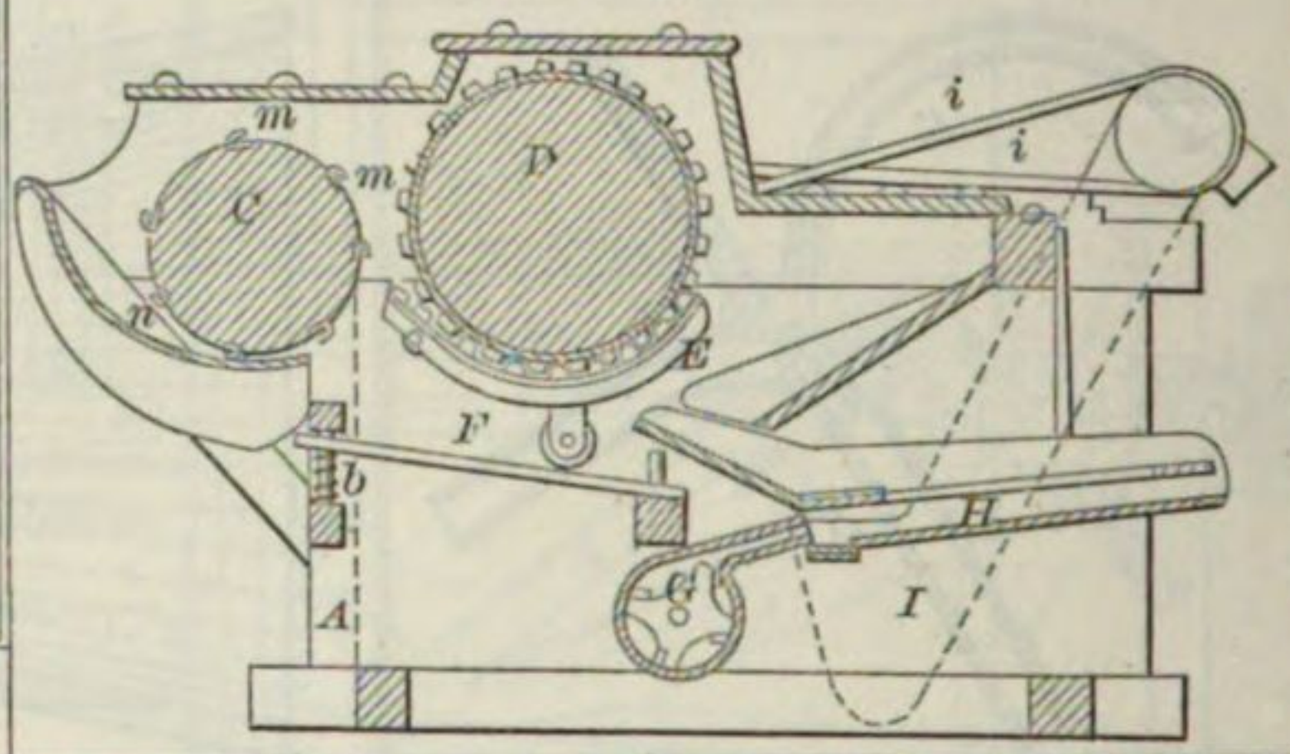
55896—L. Page—*Sheep Rack and Holder.*



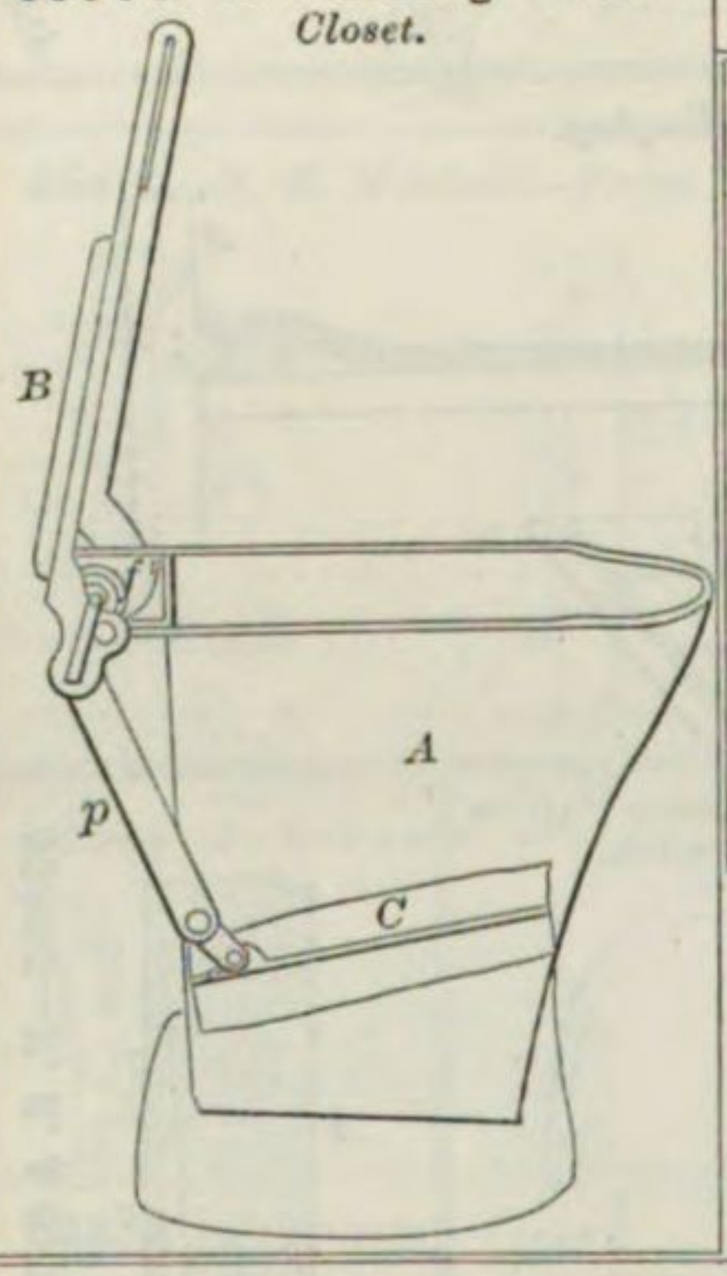
55897—O. B. Parker—*Book Holder.*



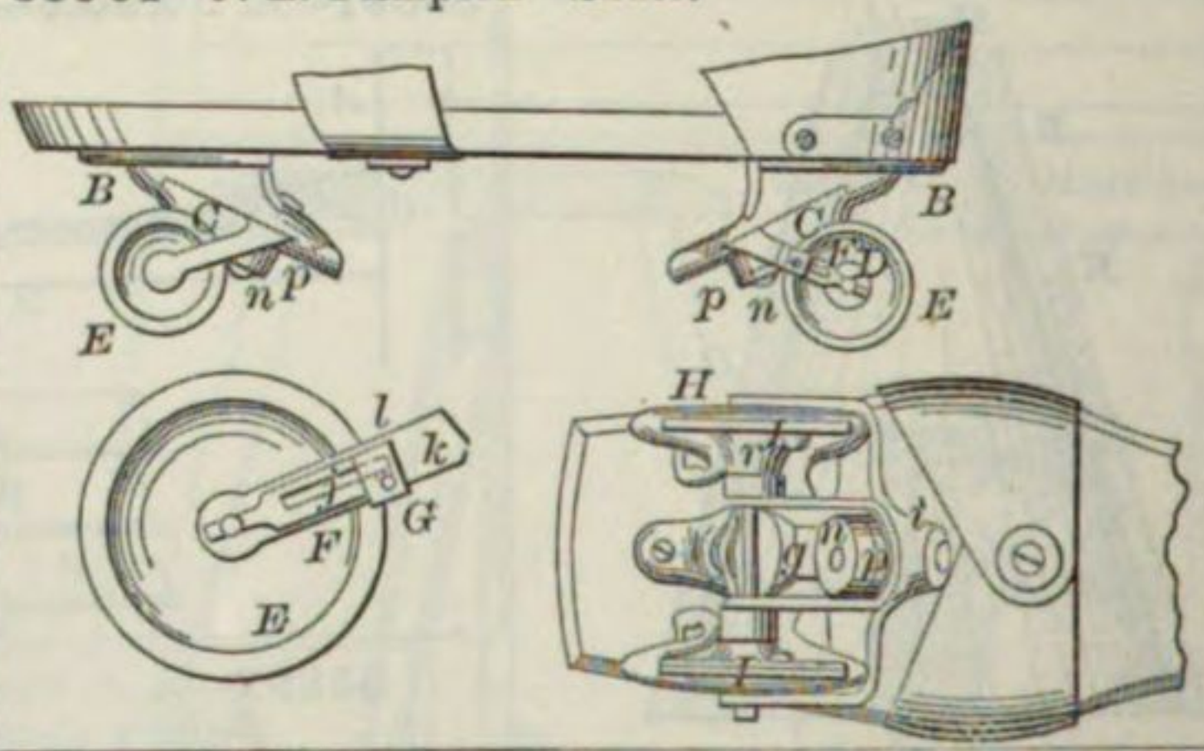
55899—B. P. Pendexter—*Corn Sheller and Bean Thresher.*



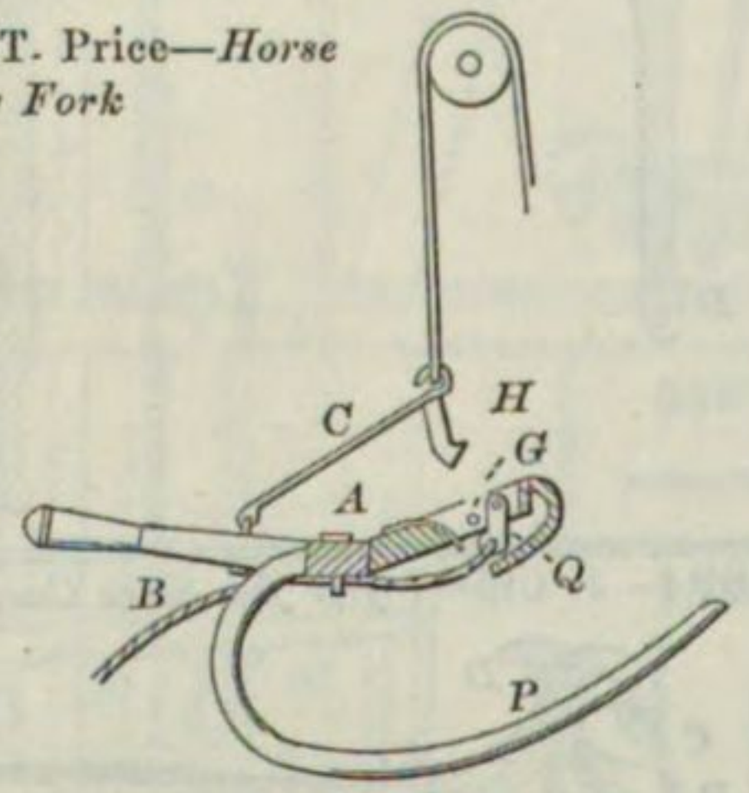
55900—B. Pickering—*Water Closet.*



55901—J. L. Plimpton—*Skate.*

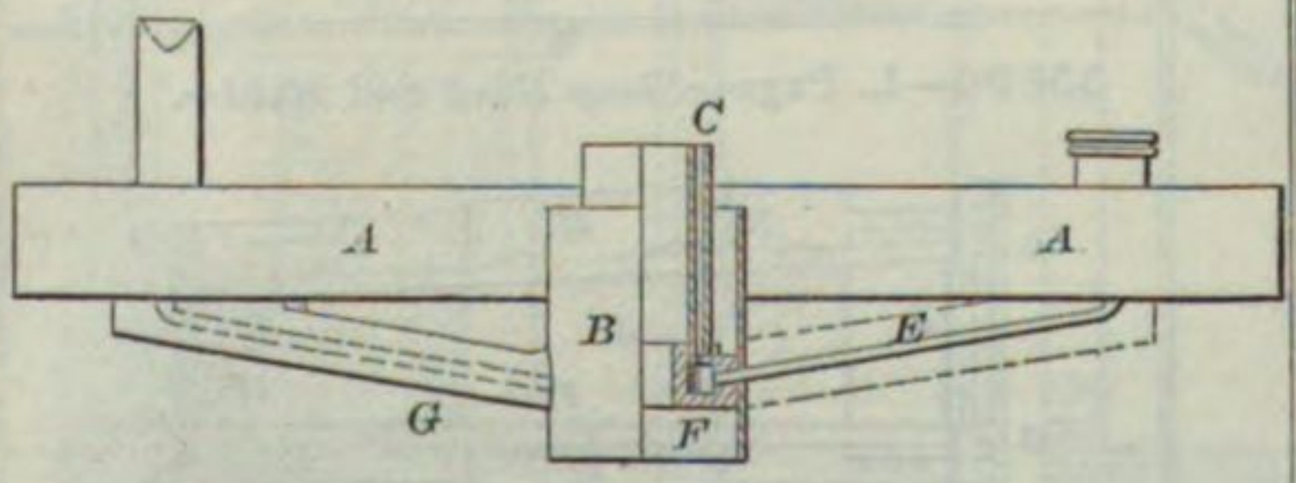


55902—I. T. Price—*Horse Hay Fork*

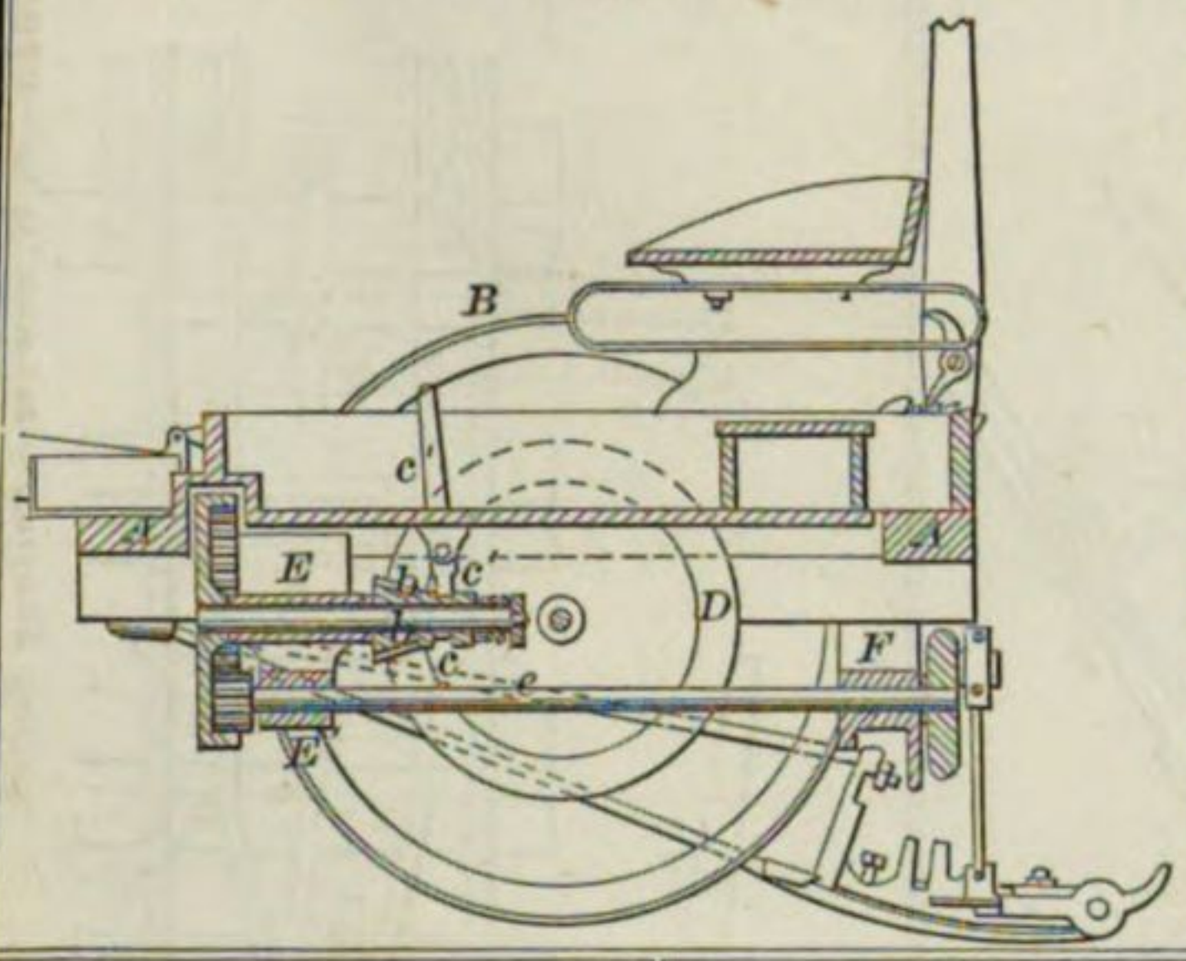


55903—J. Radley—*Locomotive Lamp.*

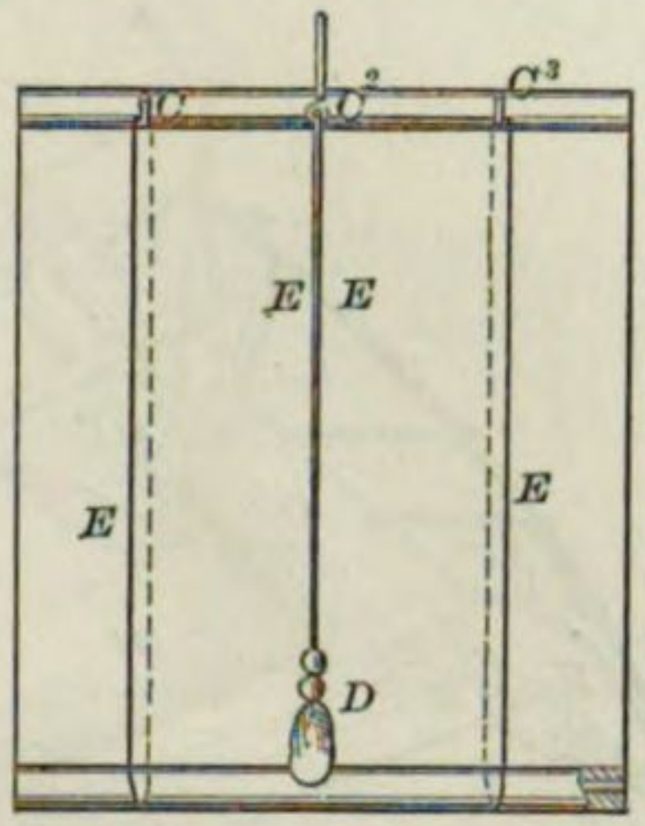
55904—J. Radley—*Engine Head Light.*



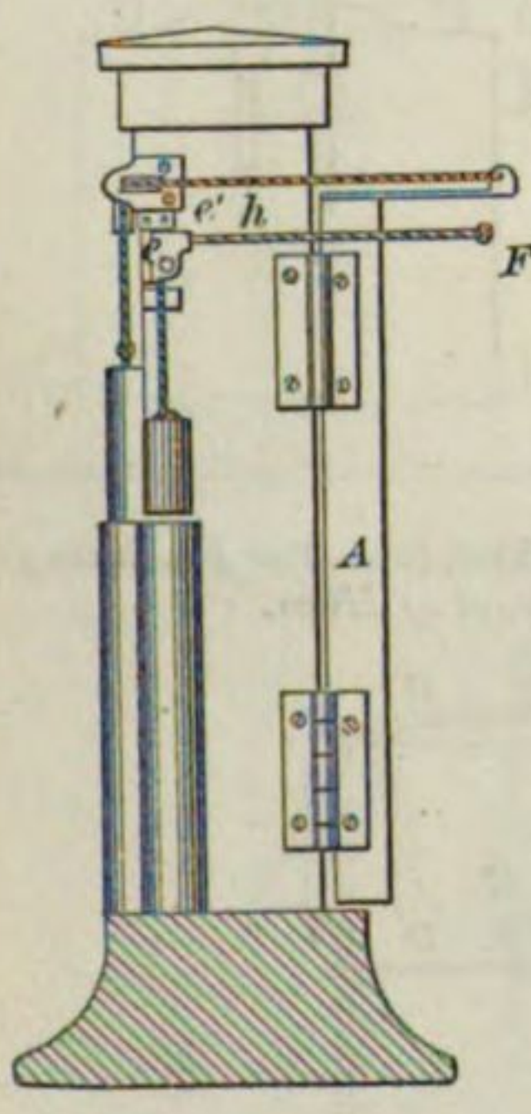
55905—A. Rank—*Mowing Machine.*



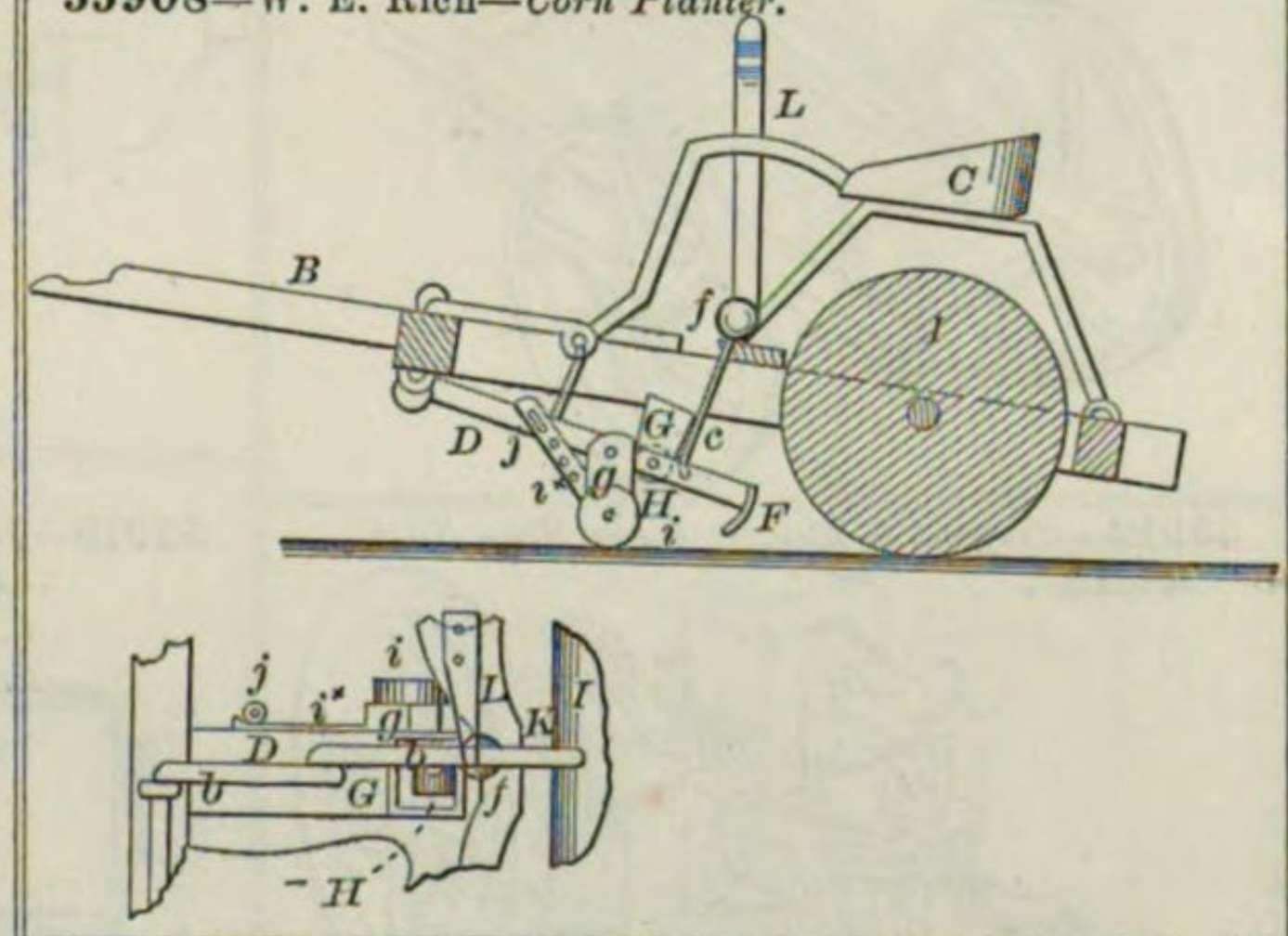
55907—H. Read—*Window Shade.*



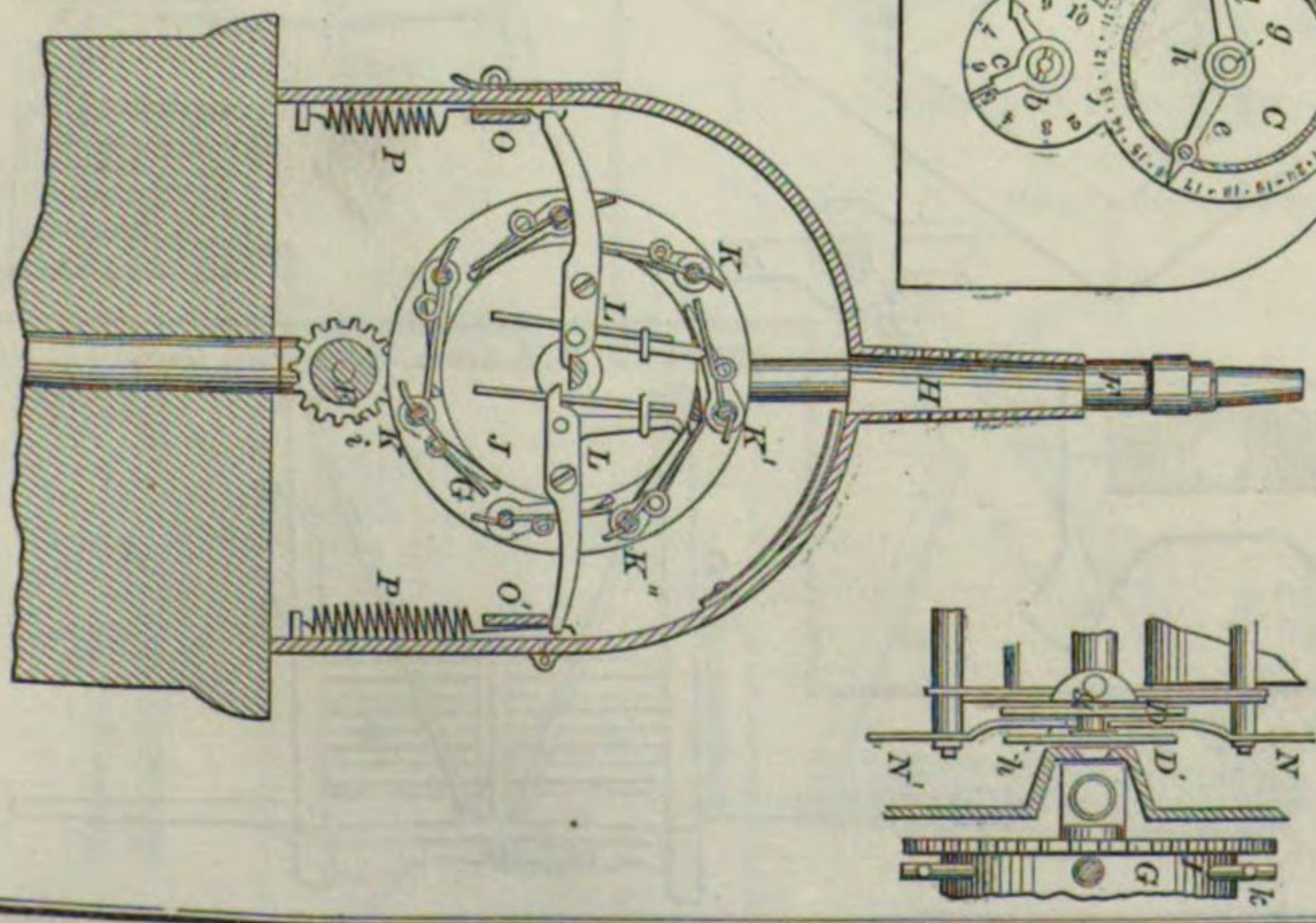
55906—Raymond & Miller—*Fence Gate.*



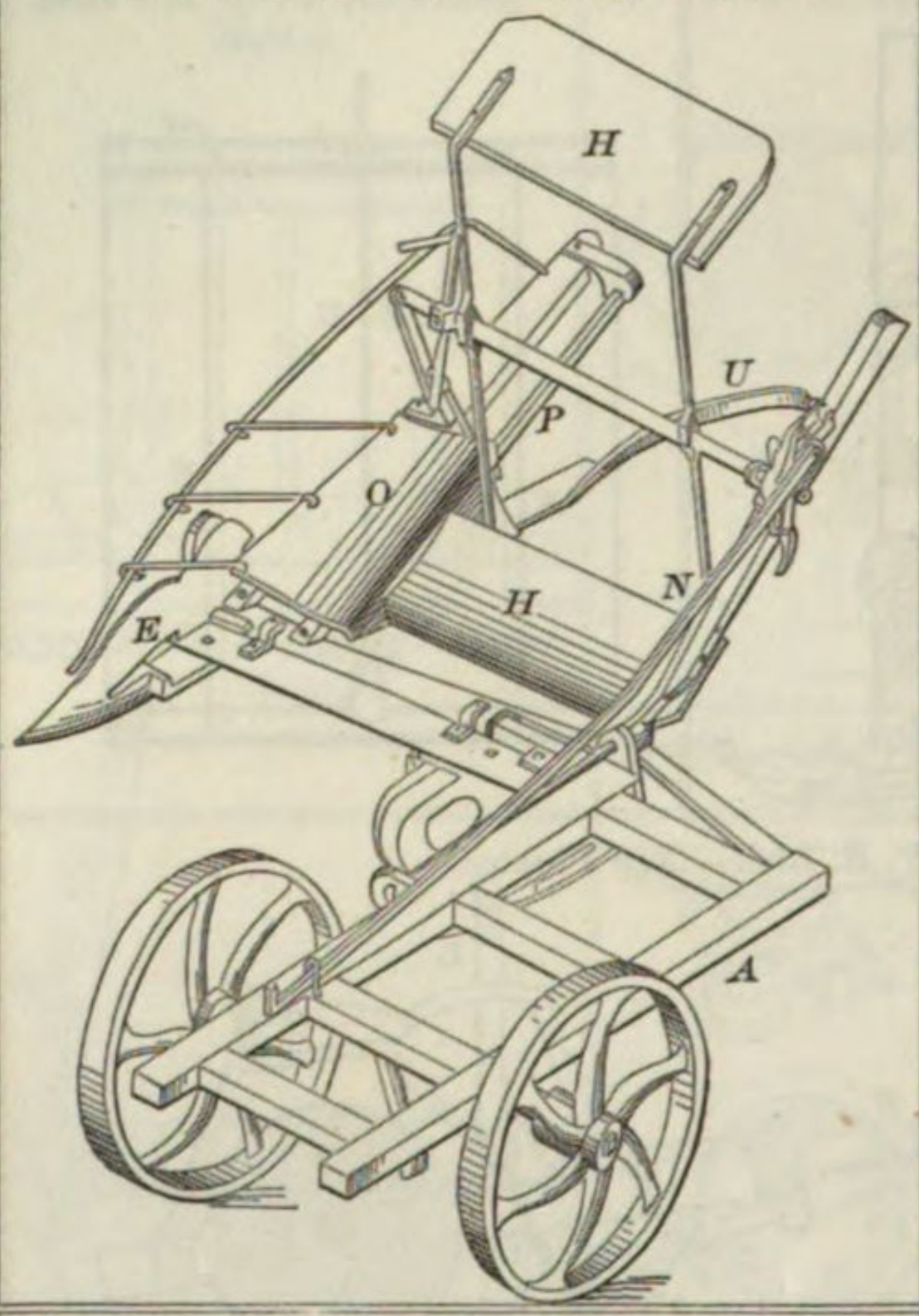
55908—W. E. Rich—*Corn Planter.*



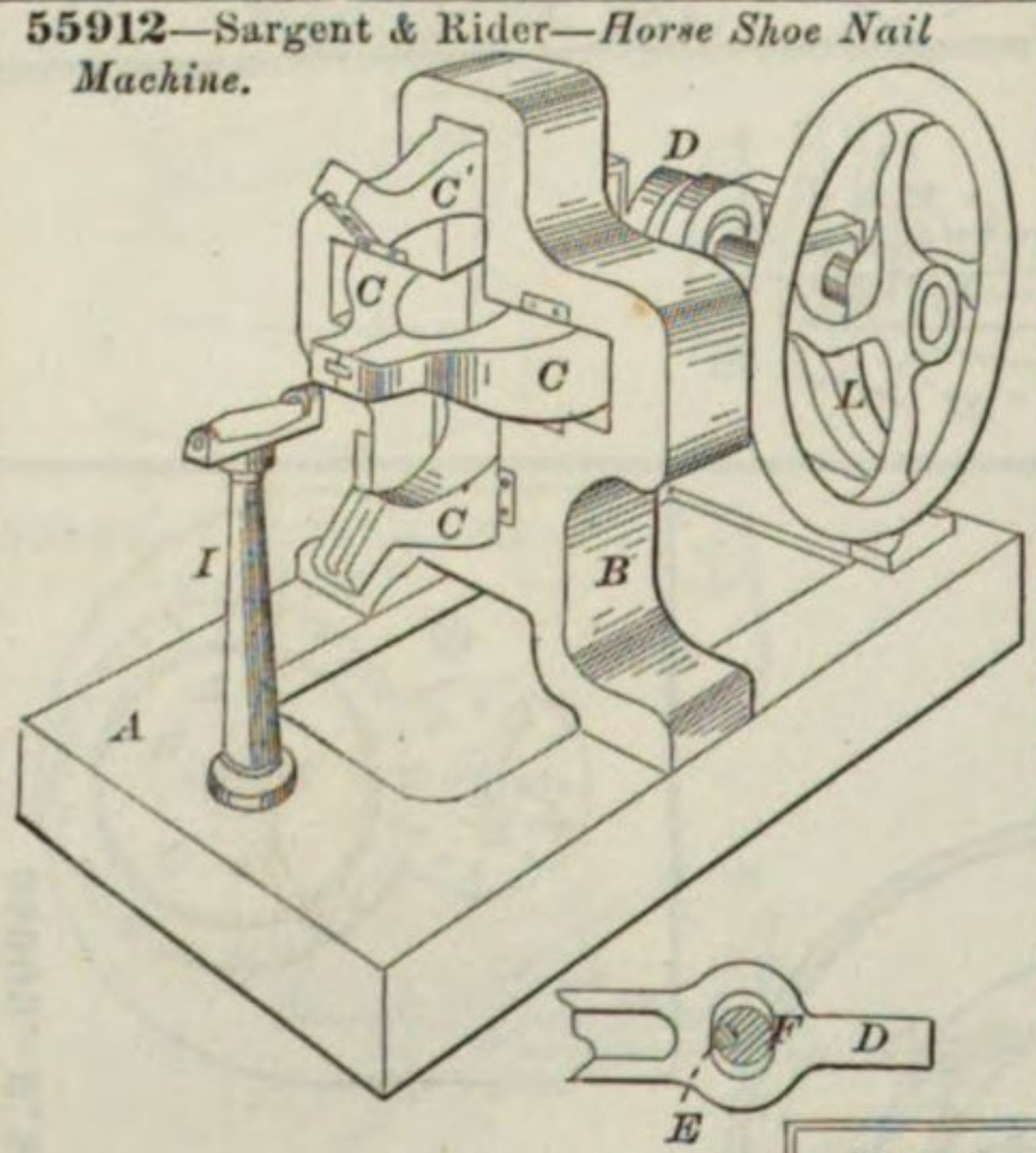
55909—H. S. Richardson—*Gas Lighting Machine.*



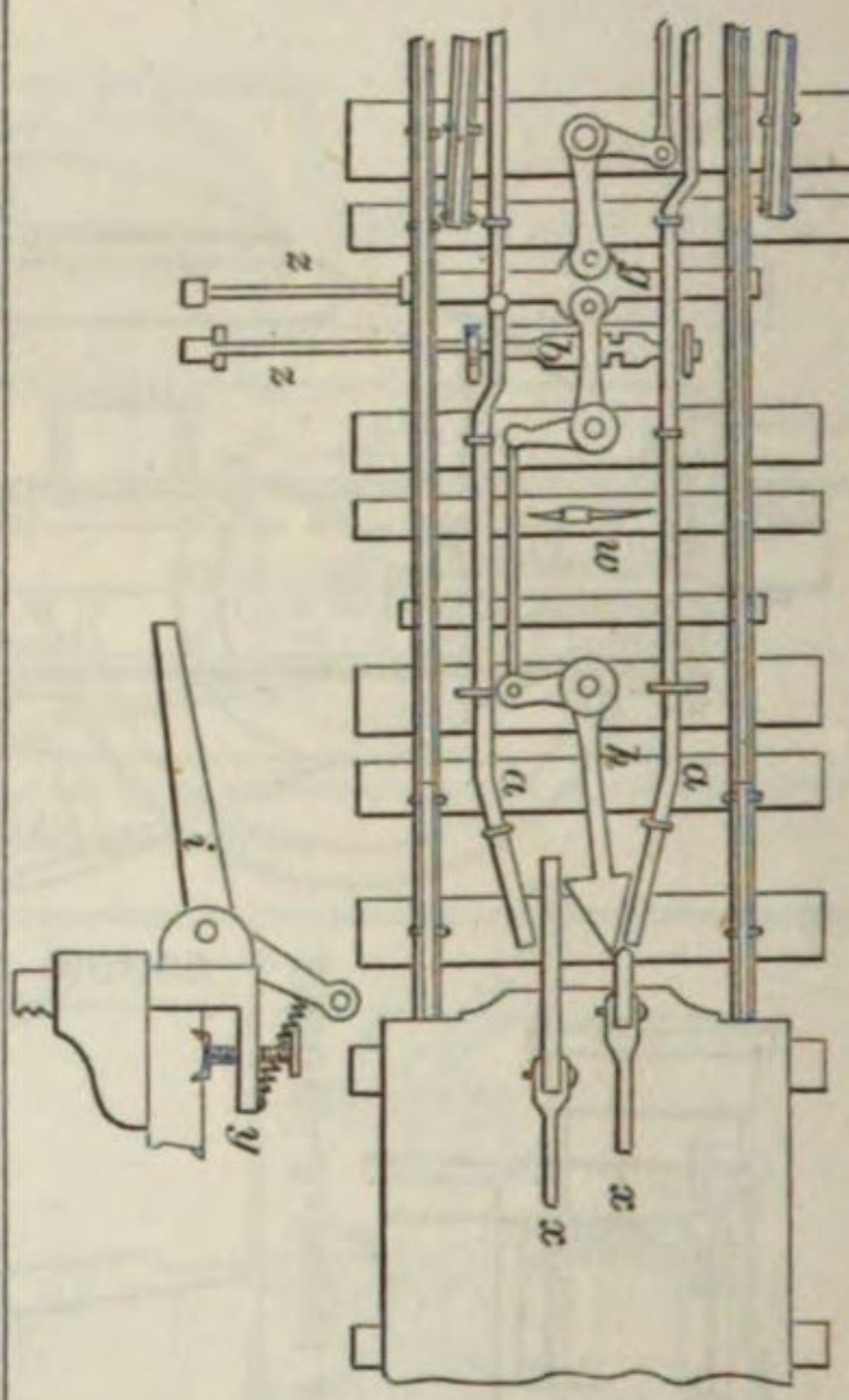
55910—E. P. Russell—*Reaping Machine.*



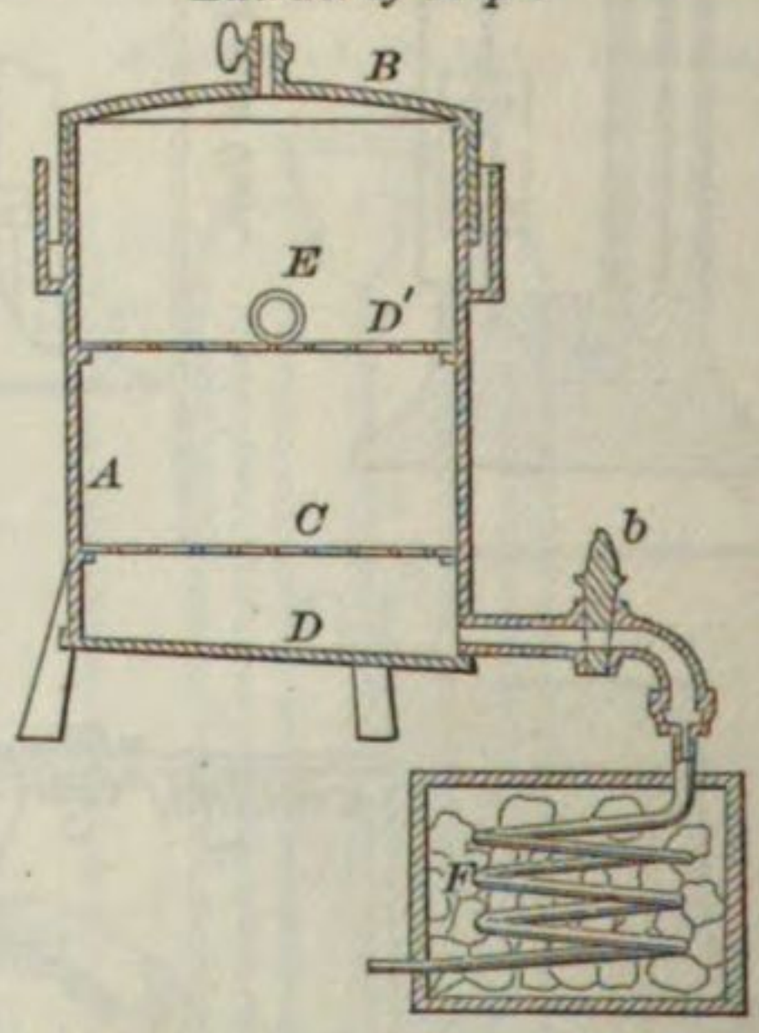
55912—Sargent & Rider—*Horse Shoe Nail Machine.*



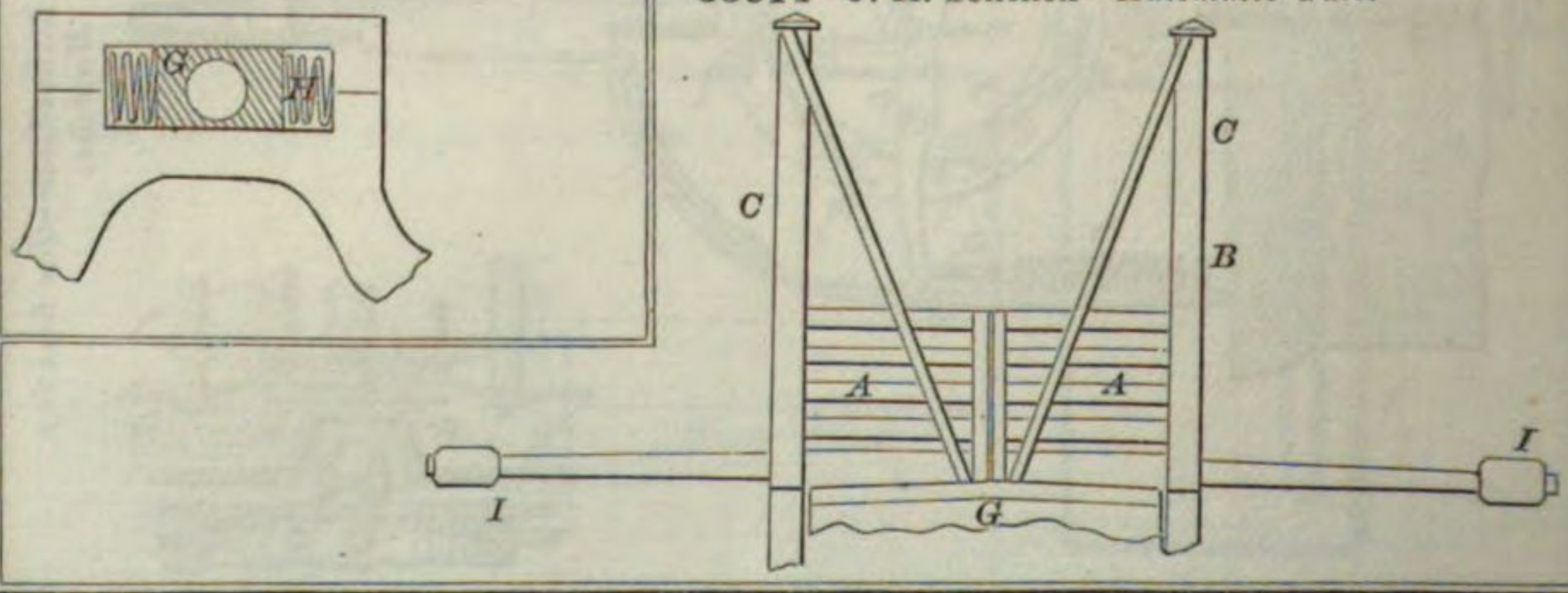
55913—C. H. Sawyer—*Railway Switch.*



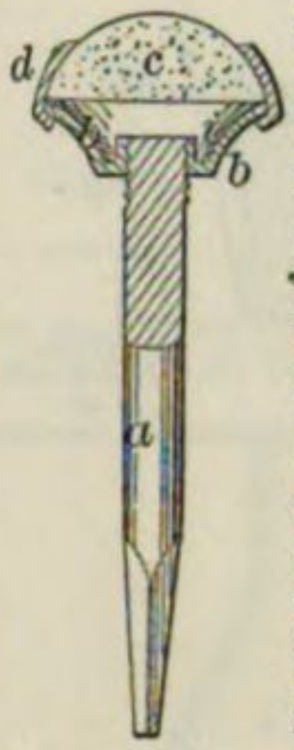
55915—J. Schneider—*For Producing Extract of Hops.*



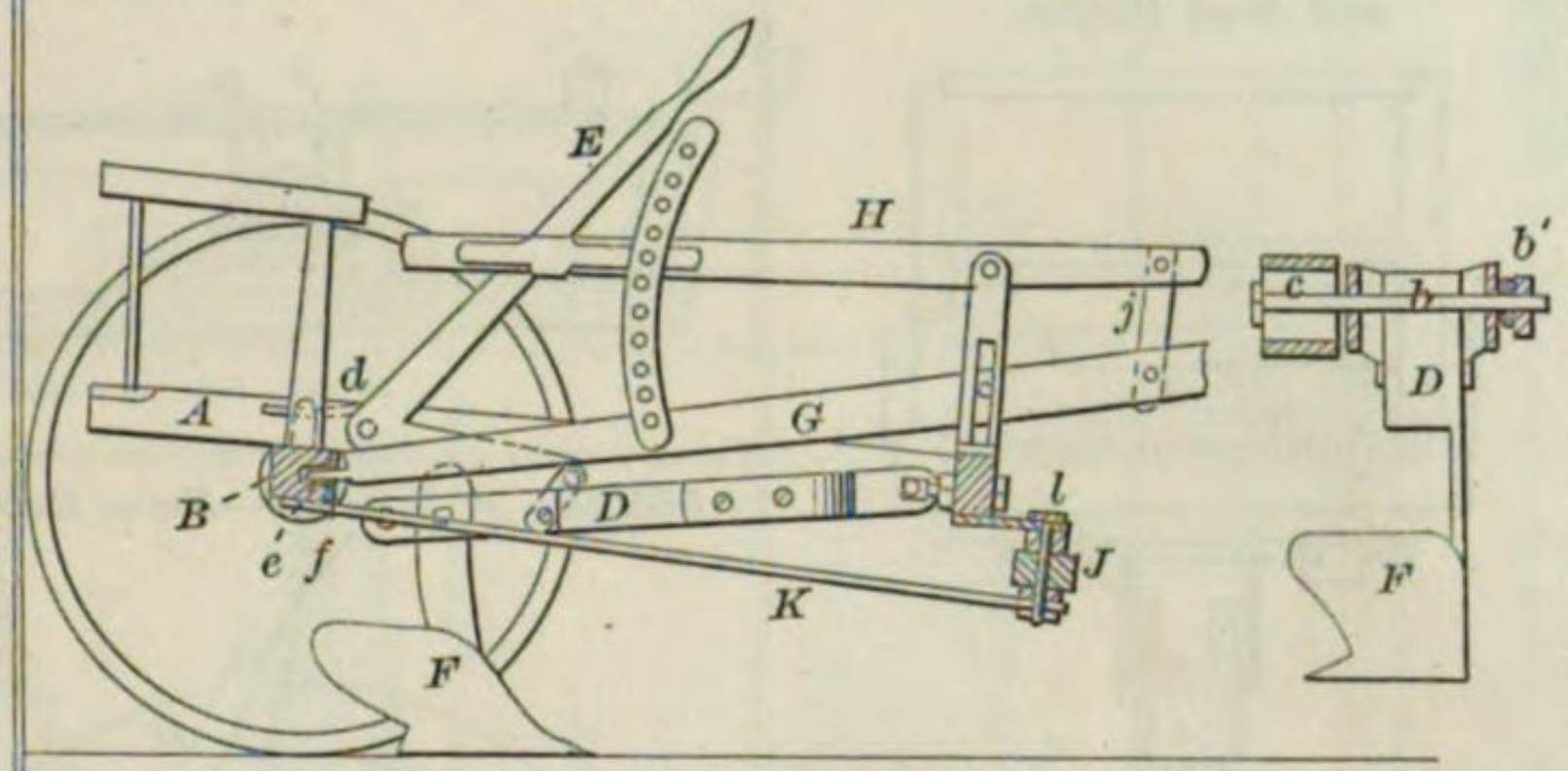
55914—J. H. Schenck—*Automatic Gate.*



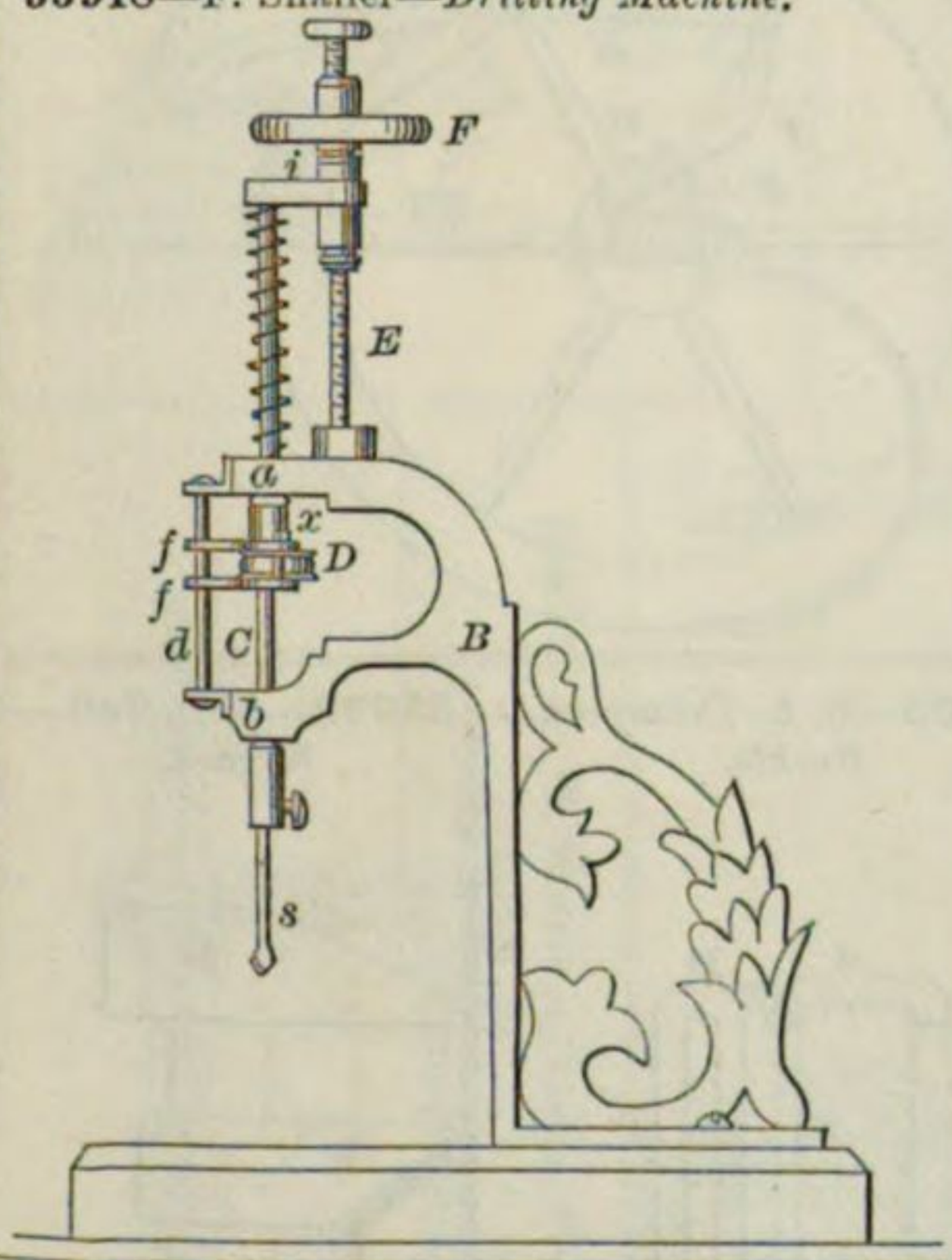
55917—F. J. Seymour—*Picture Nail.*



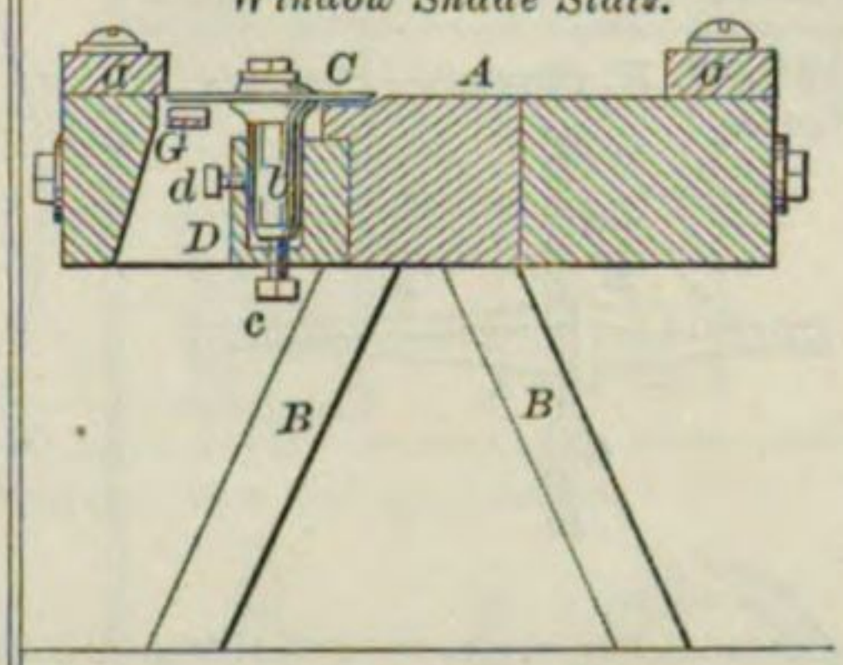
55921—J. D. Smith—*Gang Plow.*



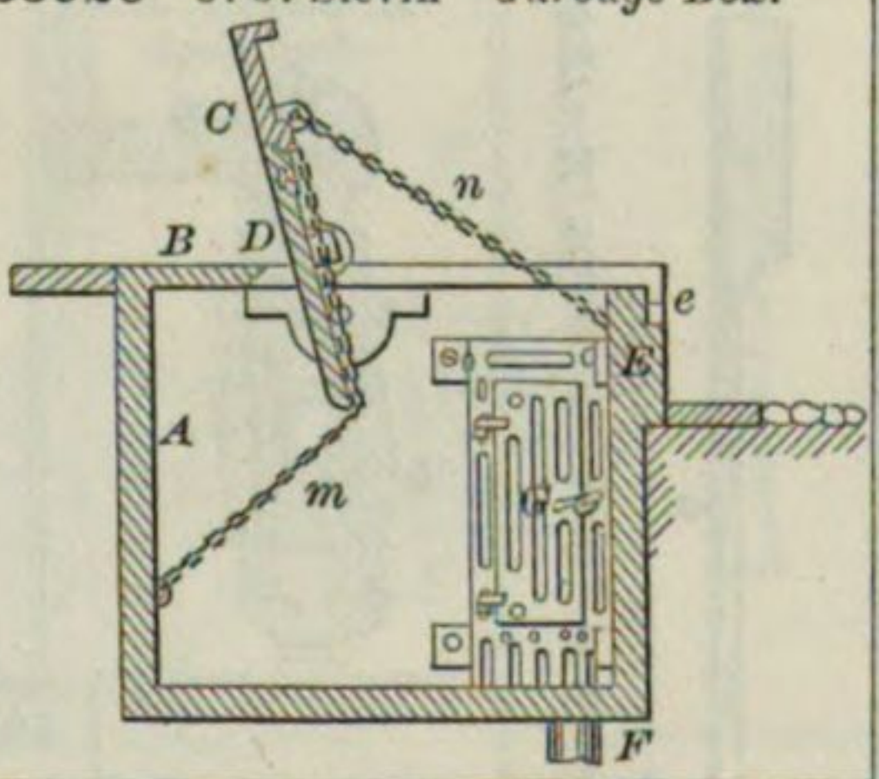
55918—F. Shaller—*Drilling Machine.*



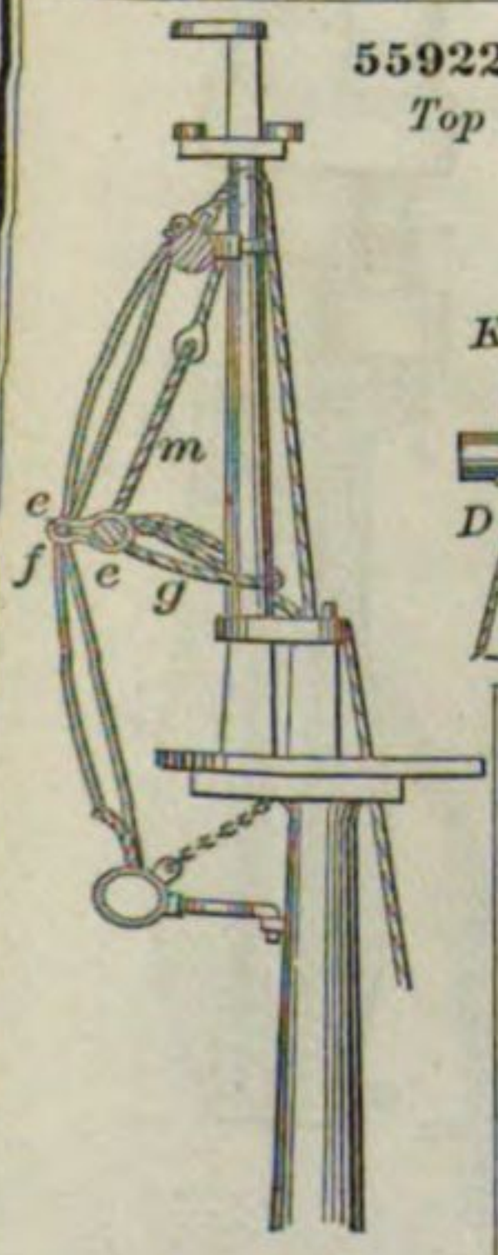
55919—P. P. Simmons—*For Cutting Window Shade Slats.*

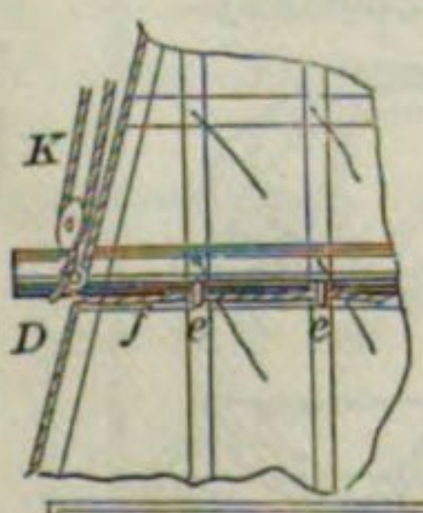


55920—J. J. Slevin—*Garbage Box.*

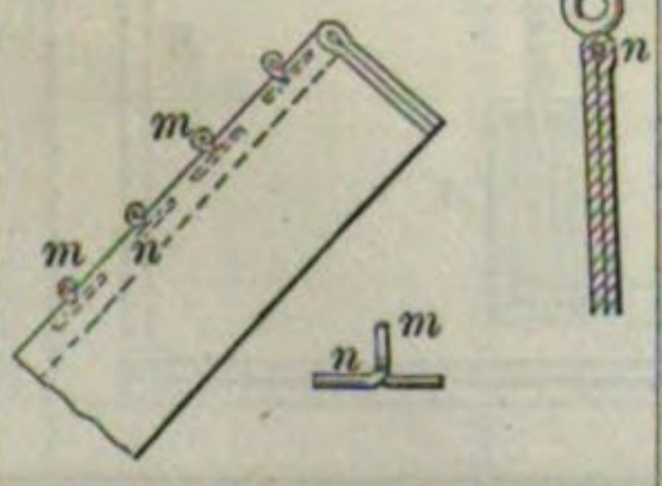


55922—Smith & Hooper—*Top Sail Reefing Rig.*

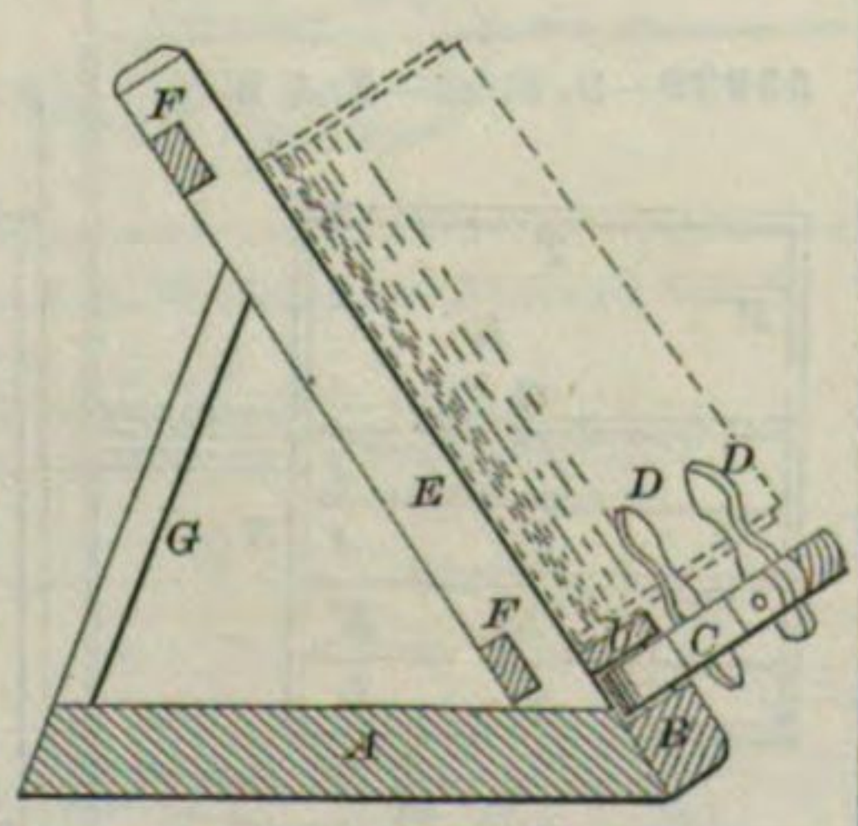




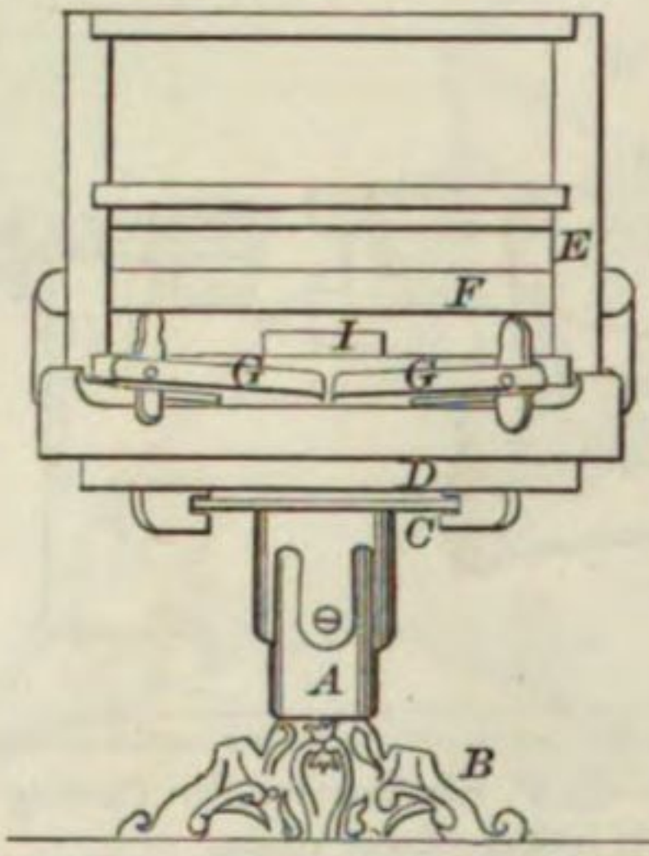
55923—L. A. Sprague—*Boot and Shoe Lacing.*



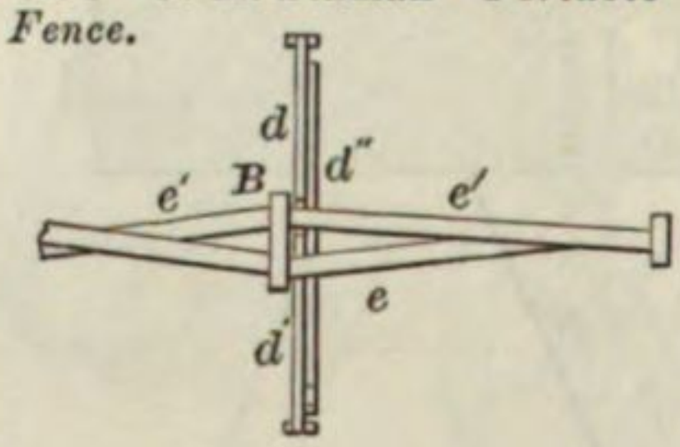
55924—D. I. Stagg—*Book Holder.*



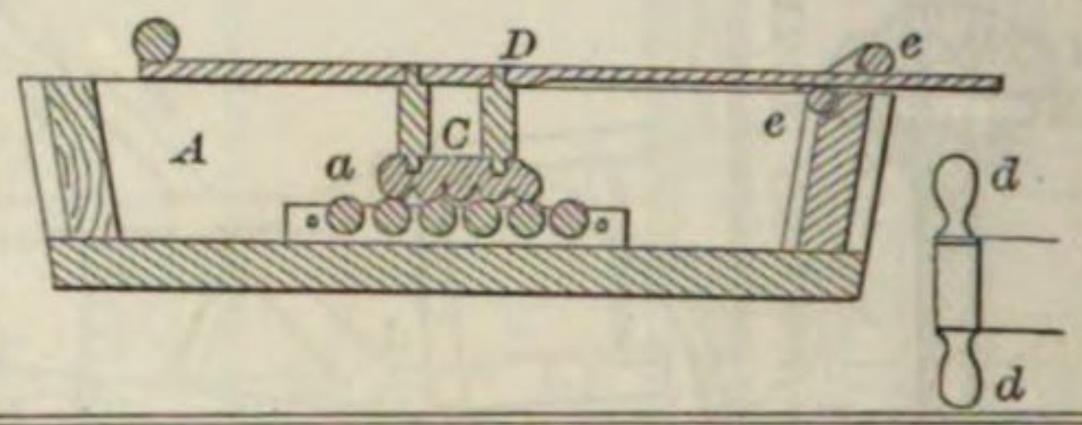
55925—D. I. Stagg—*Stand, Desk, and Book Holder.*



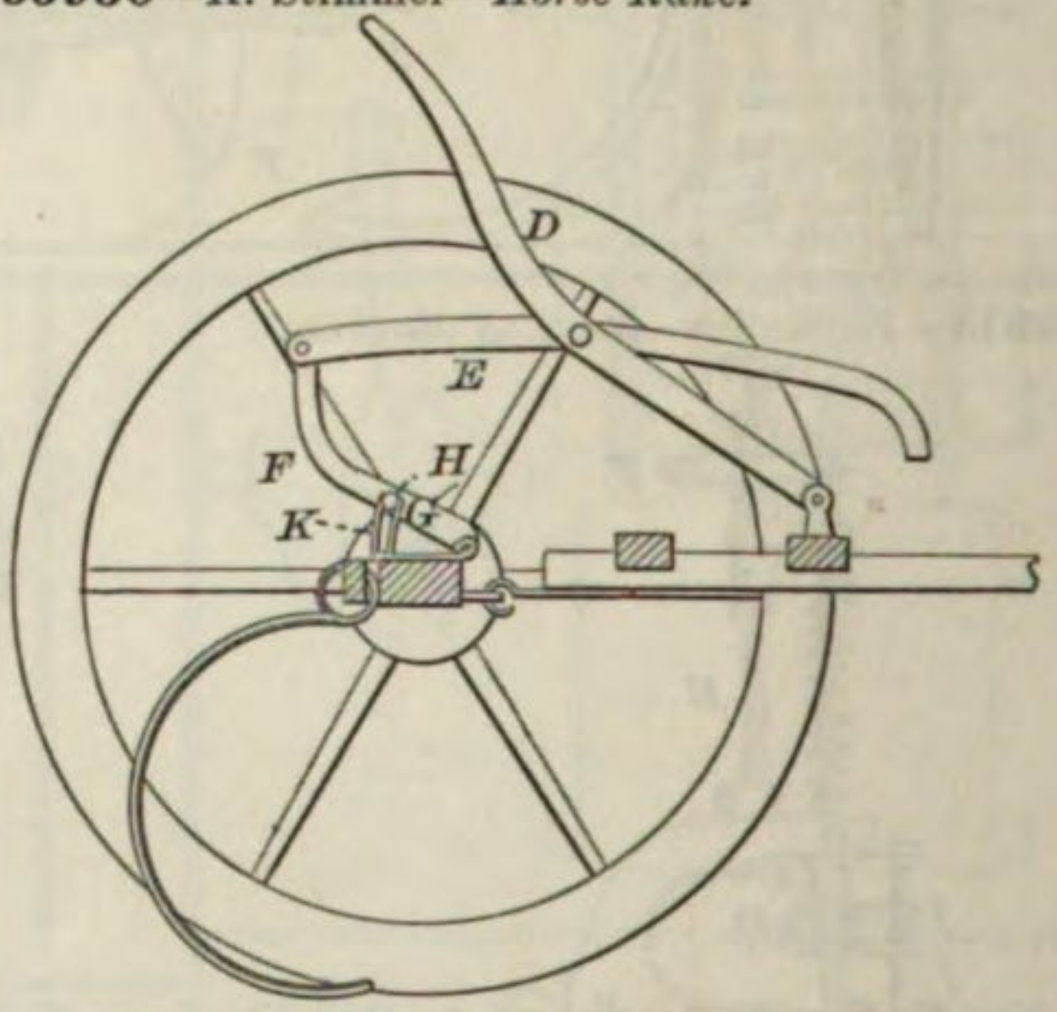
55926—J. K. Staman—*Portable Fence.*



55928—H. H. Staples—*Washing Machine.*

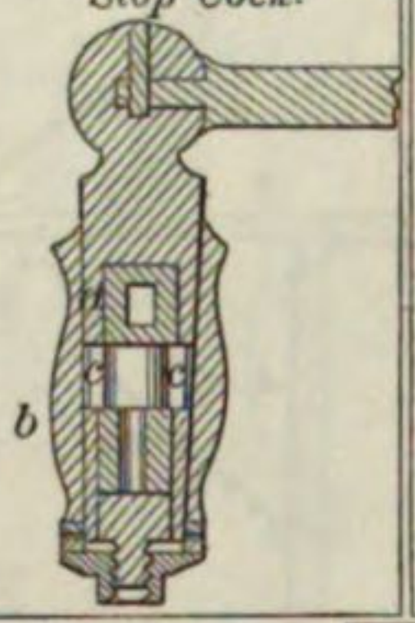


55930—H. Stimmel—*Horse Rake.*

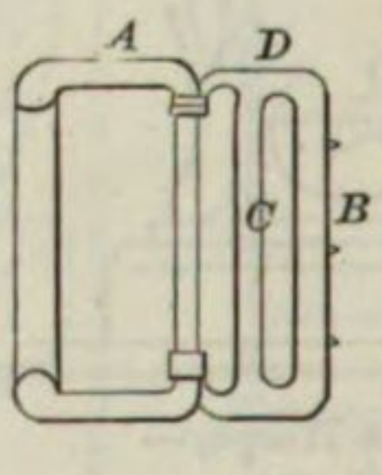


55927—M. Stannard—*Sewing Machine Needle.*

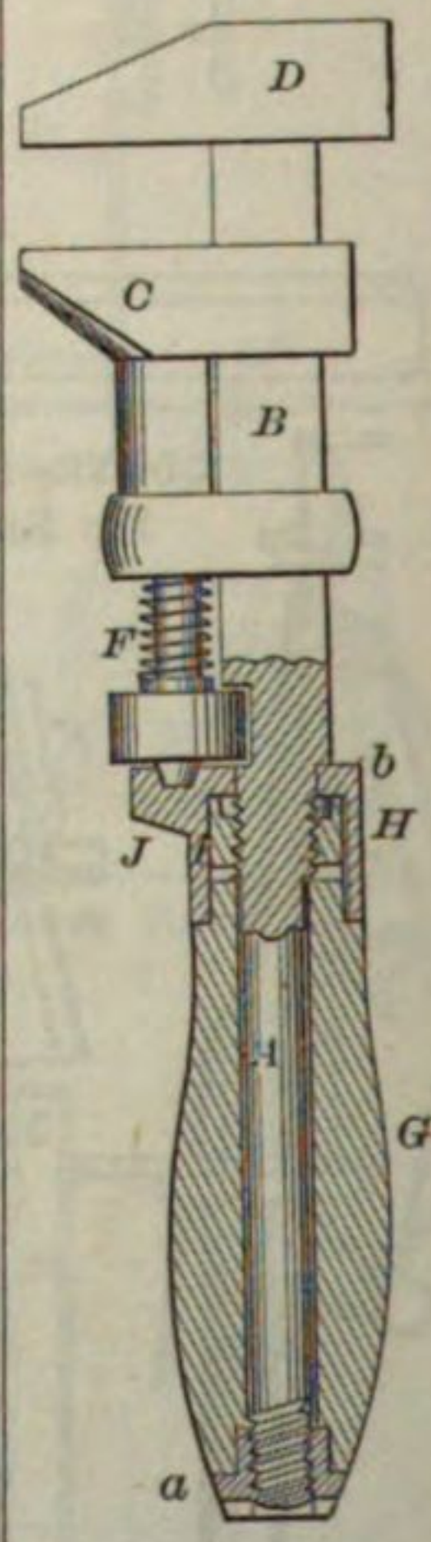
55931—H. Strater, Jr.—*Stop Cock.*



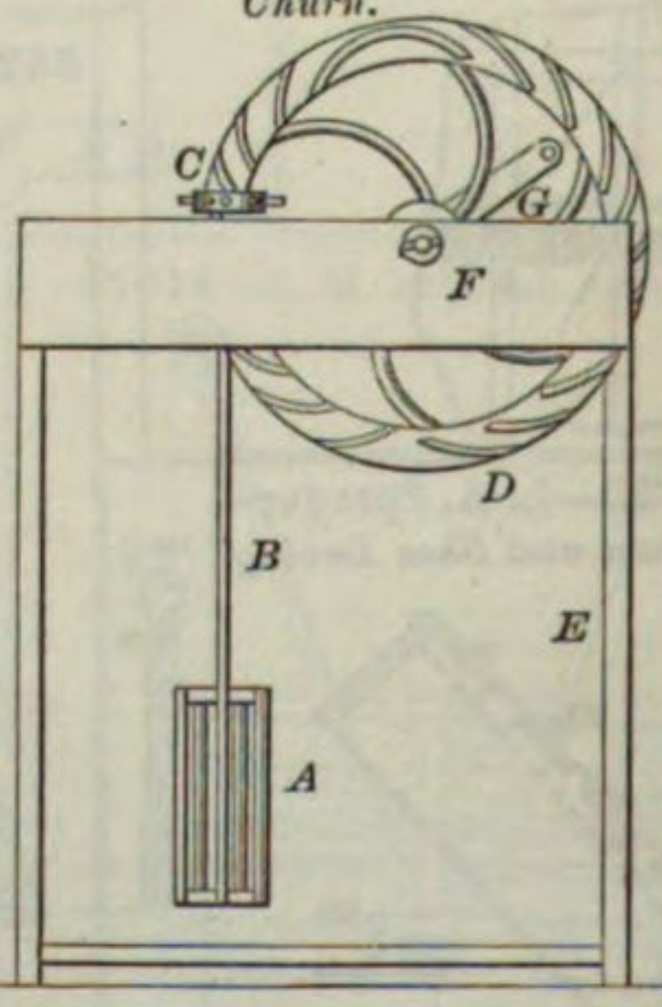
55933—D. S. Thompson—*Buckle.*



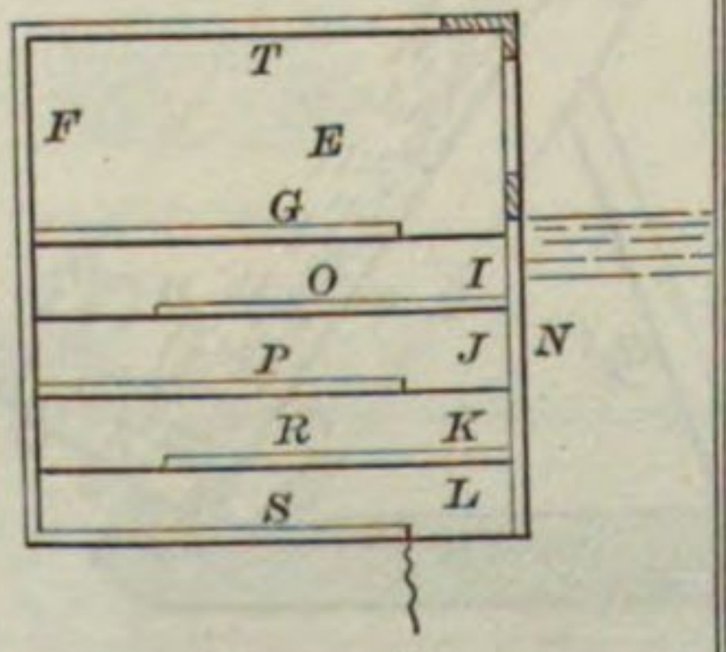
55932—G. C. Taft—*Wrench.*



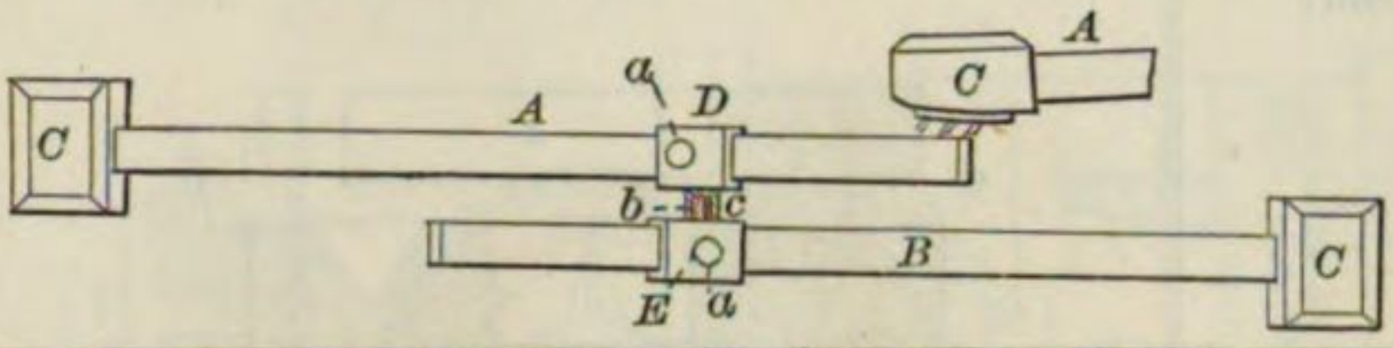
55934—Tillou & Shumway—*Churn.*



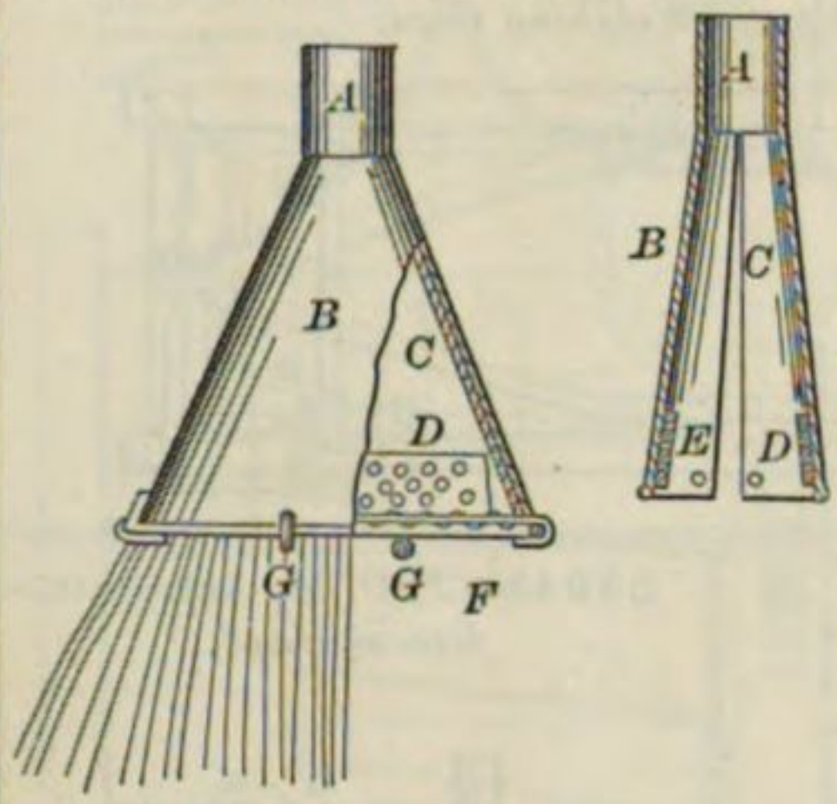
55929—D. Steck—*Fish Way.*



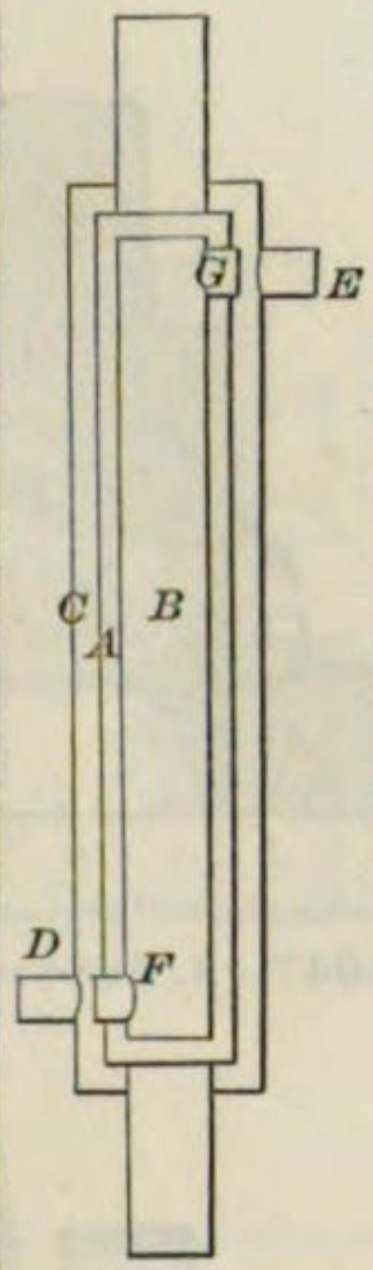
55935—E. W. Twing—*Carpet Stretcher.*



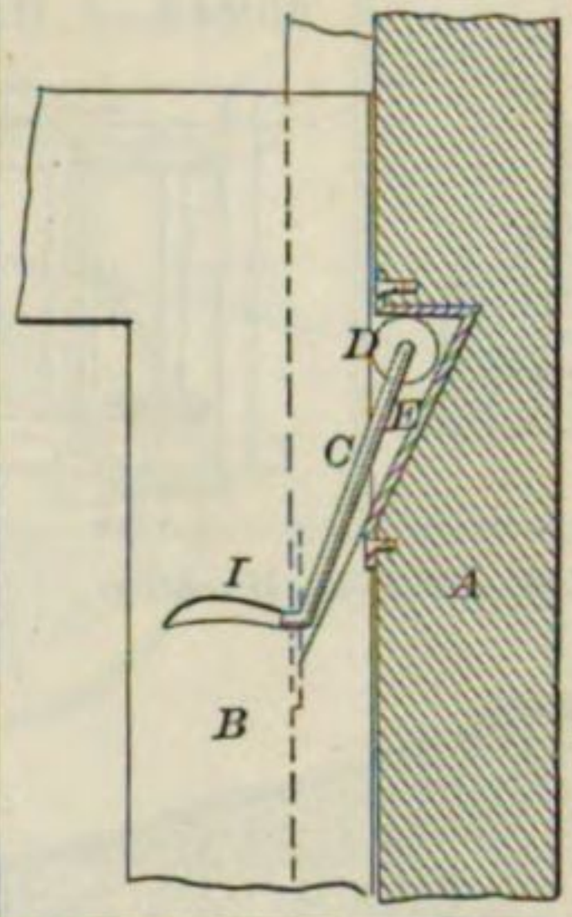
55936—J. Wasson—*Broom Head.*



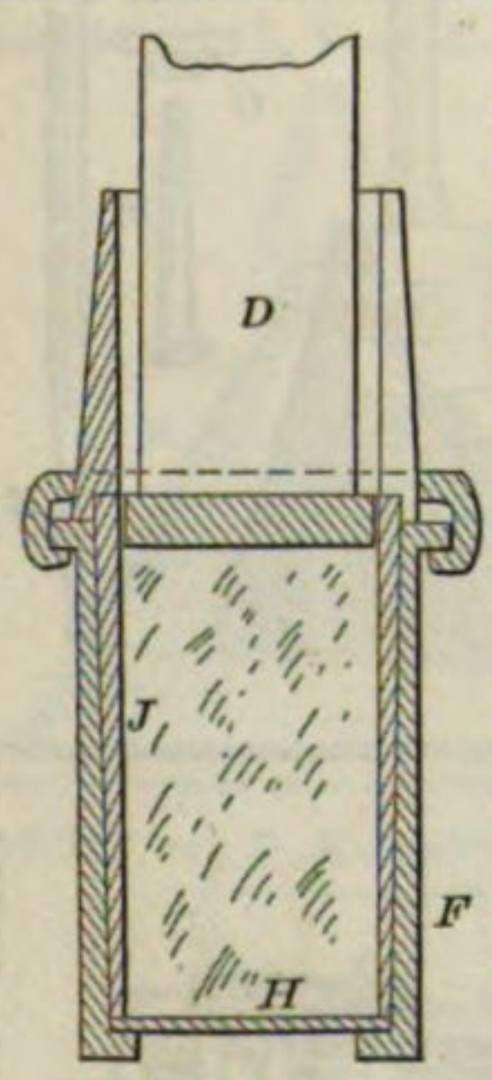
55939—H. G. Whitaker—*Stove Pipe Drum.*



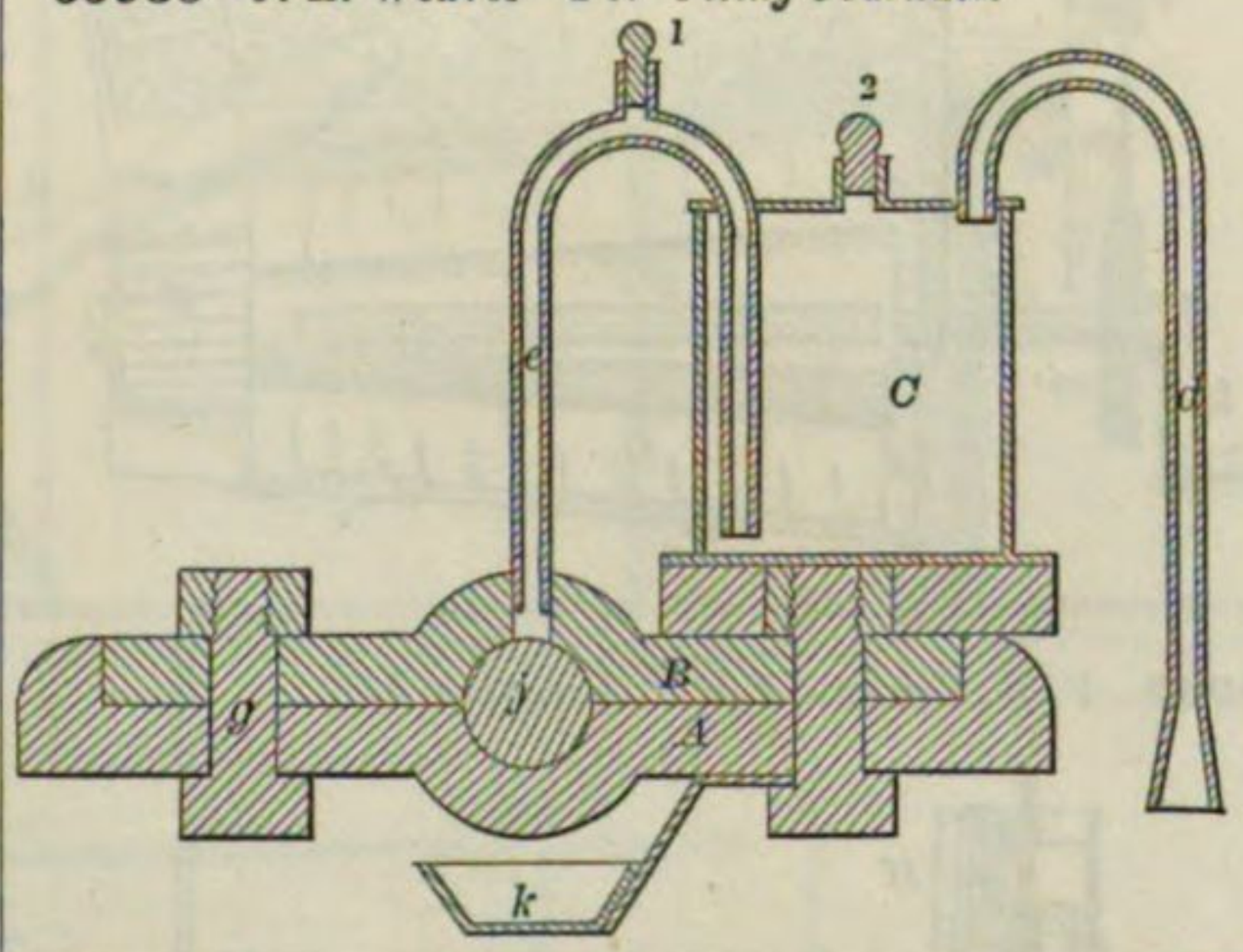
55940—M. V. B. White—*Sash Supporter.*



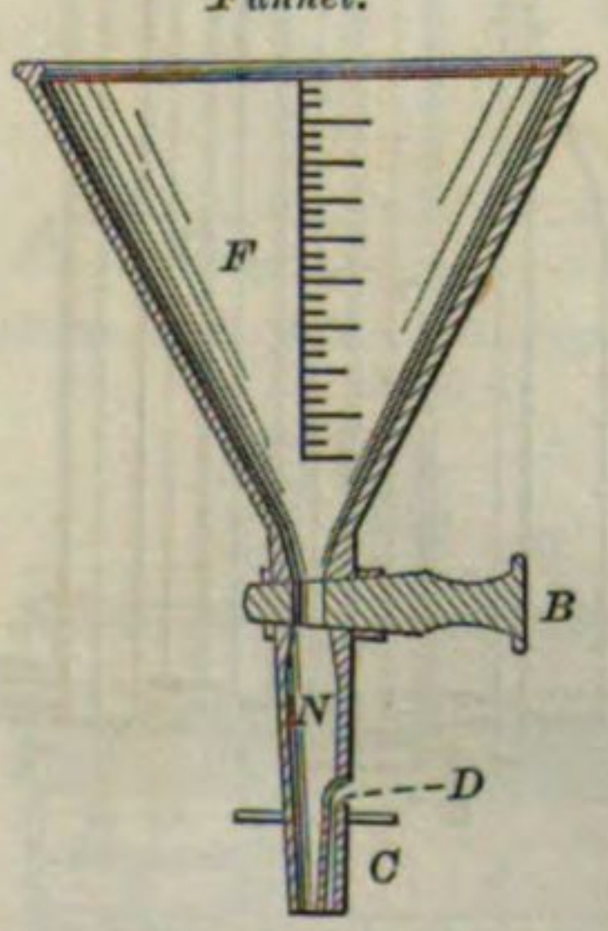
55937—W. H. Watson—*Tobacco Press.*



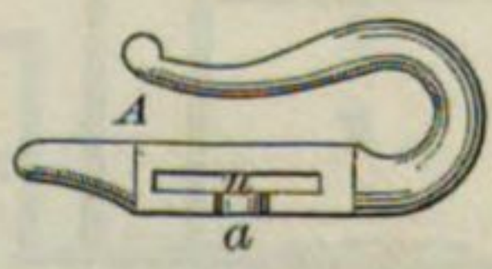
55938—J. E. Weaver—*For Oiling Journals.*



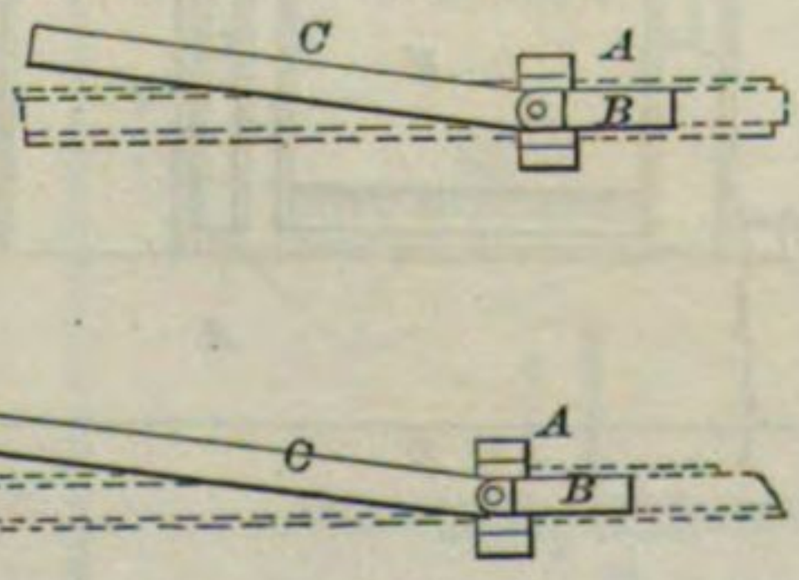
55941—A. H. Whitney—*Measuring Funnel.*



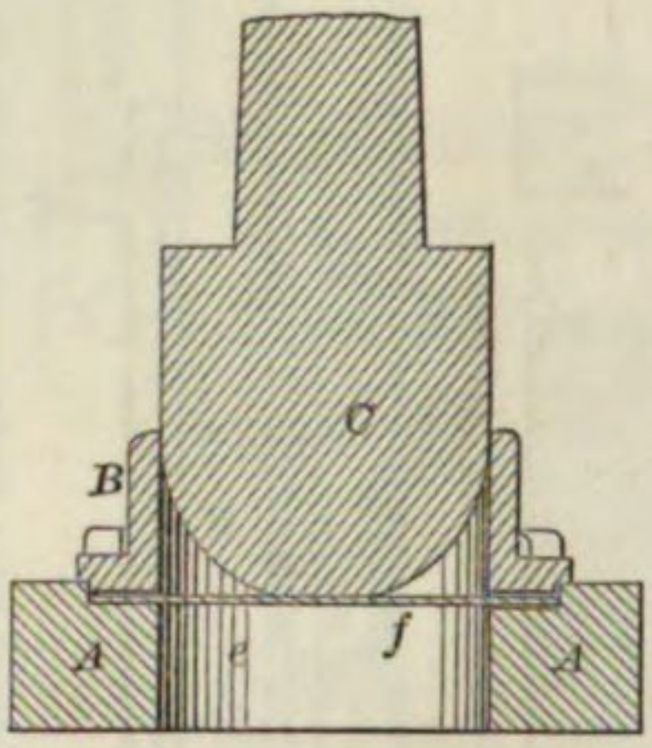
55942—J. J. Wilkins—*Harness Hook*



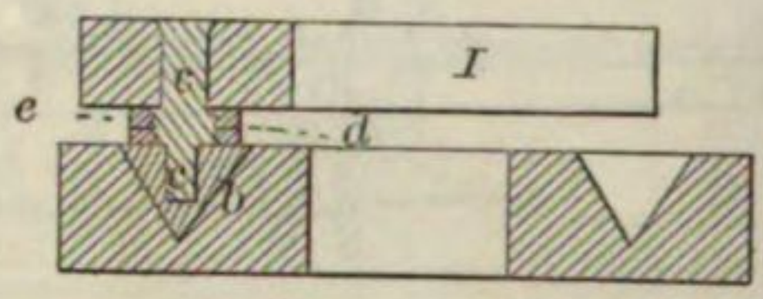
55943—J. A. Williamson—*Railroad Switch.*



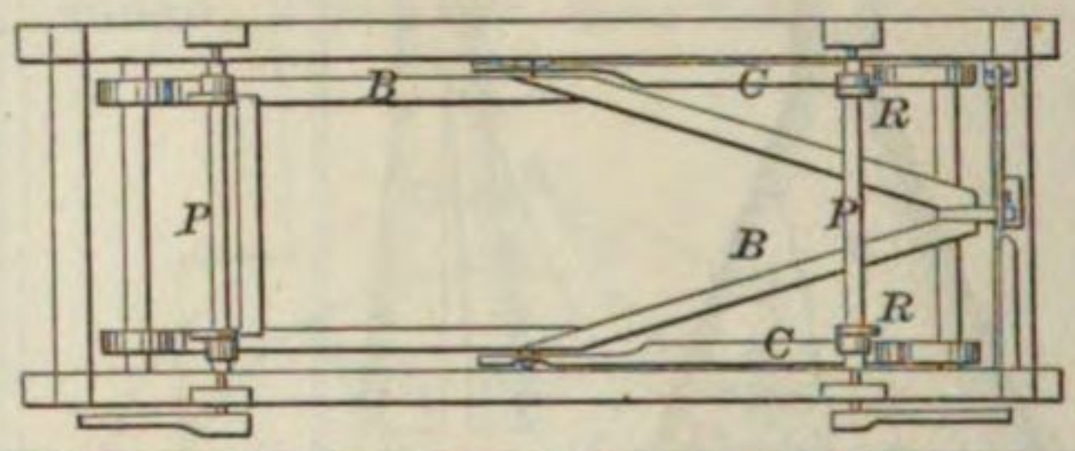
55944—S. R. Wilmot—*Die for Raising Articles of Metal.*



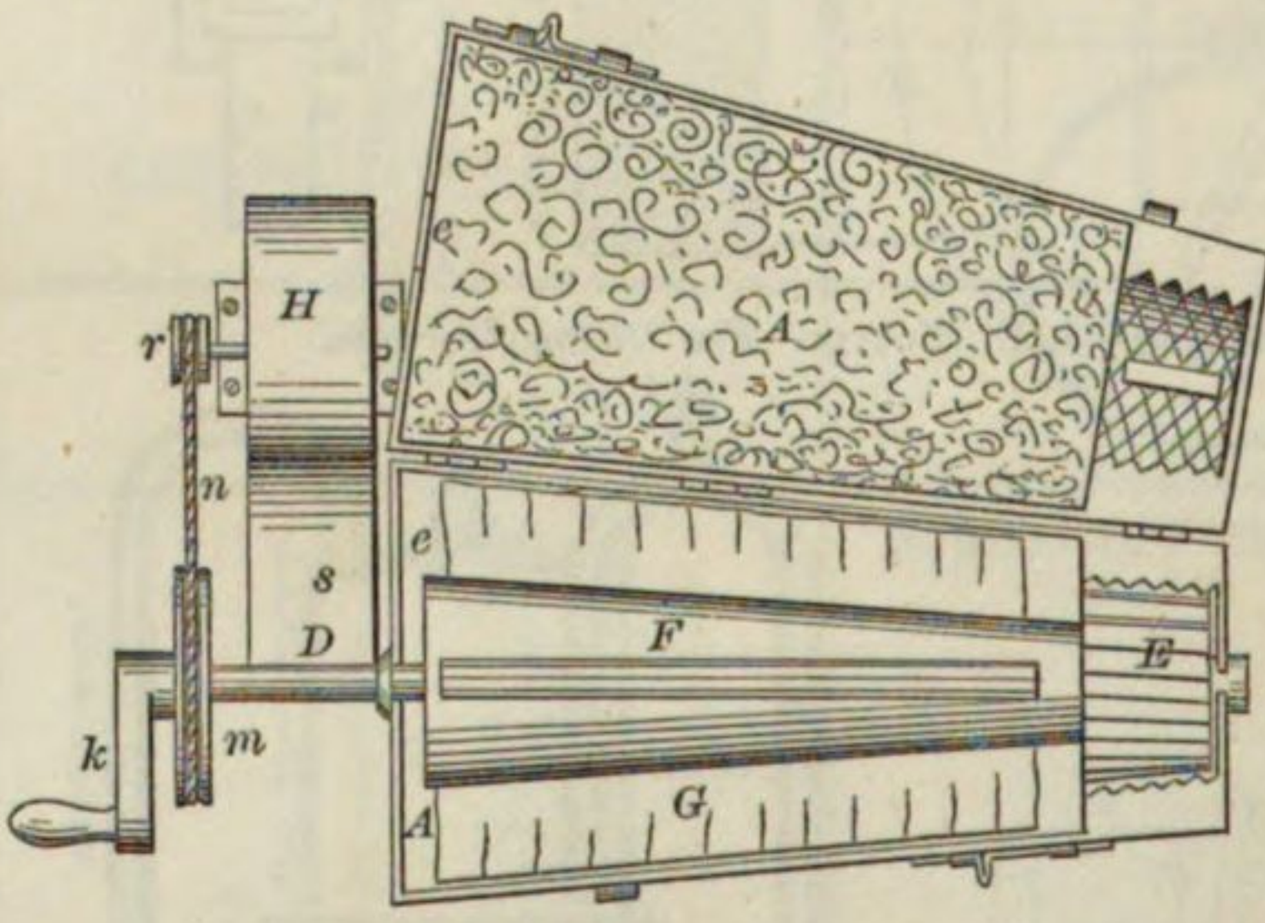
55945—B. F. Young—*Boring Machine.*



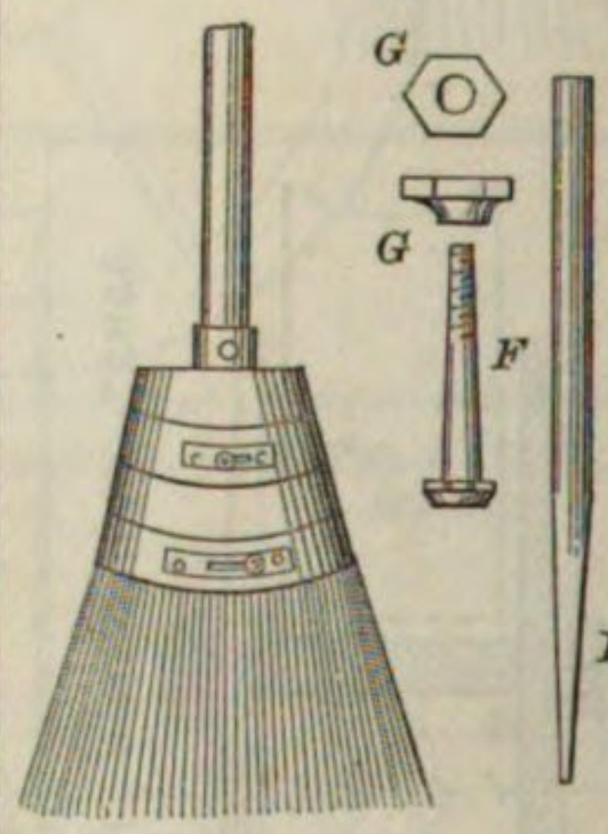
55946—J. H. Zinn—*Weighing Cars.*



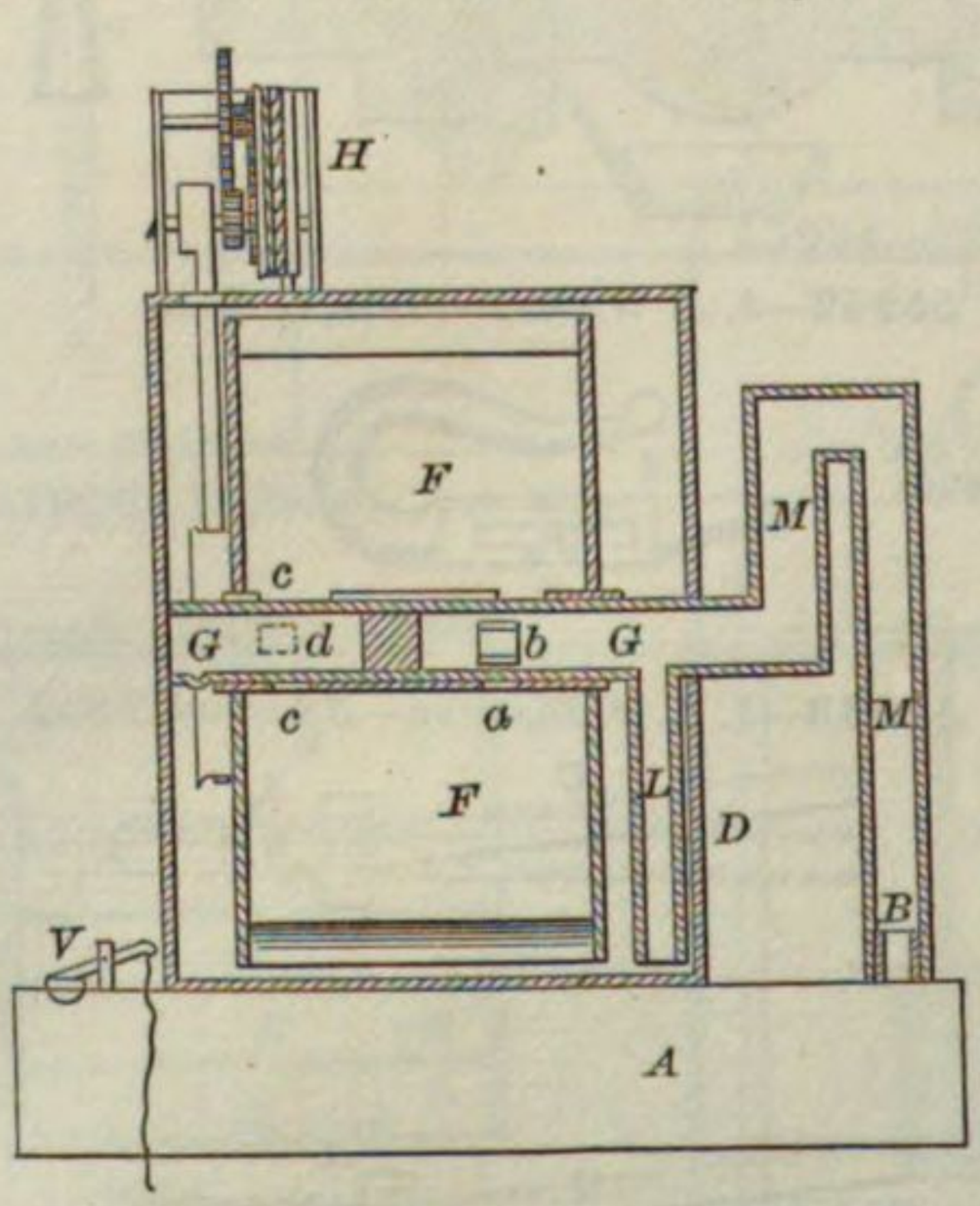
55947—R. Anderson—*Coffee Hulling Machine.*



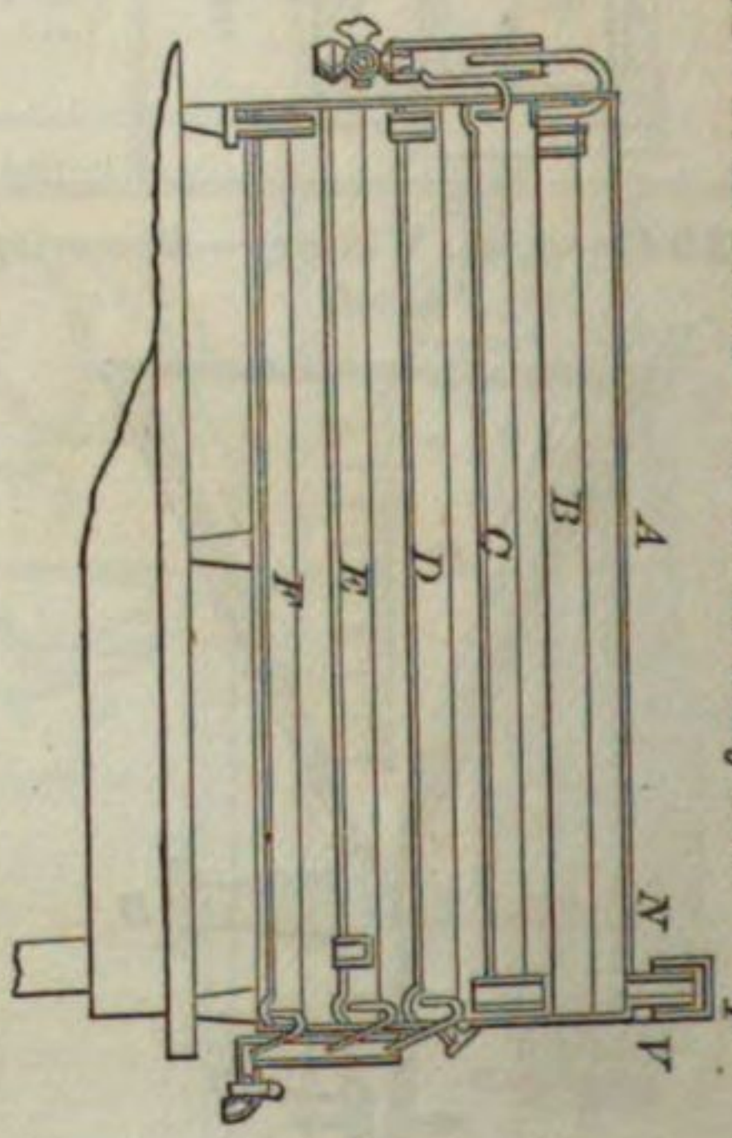
55948—J. D. M. Armbrust—*Broom Head.*



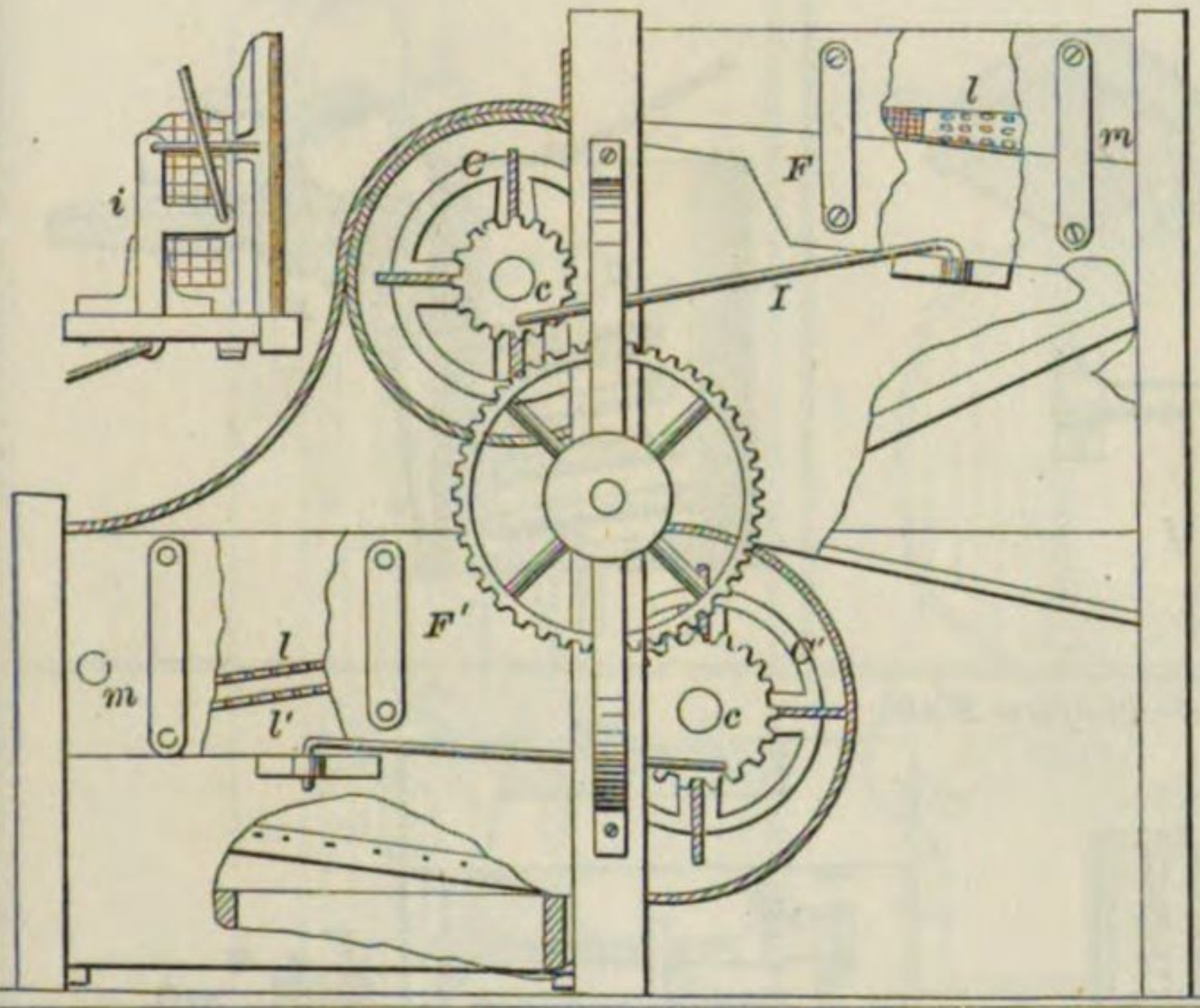
55949—F. H. Brown—*For Carburetting Air.*



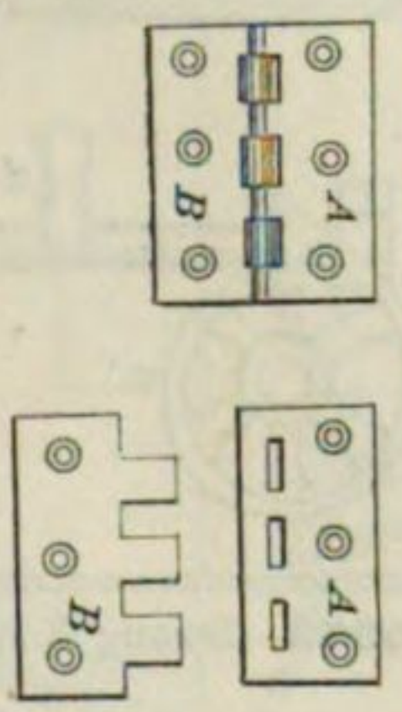
55950—F. H. Brown—*For Carburetting Air.*



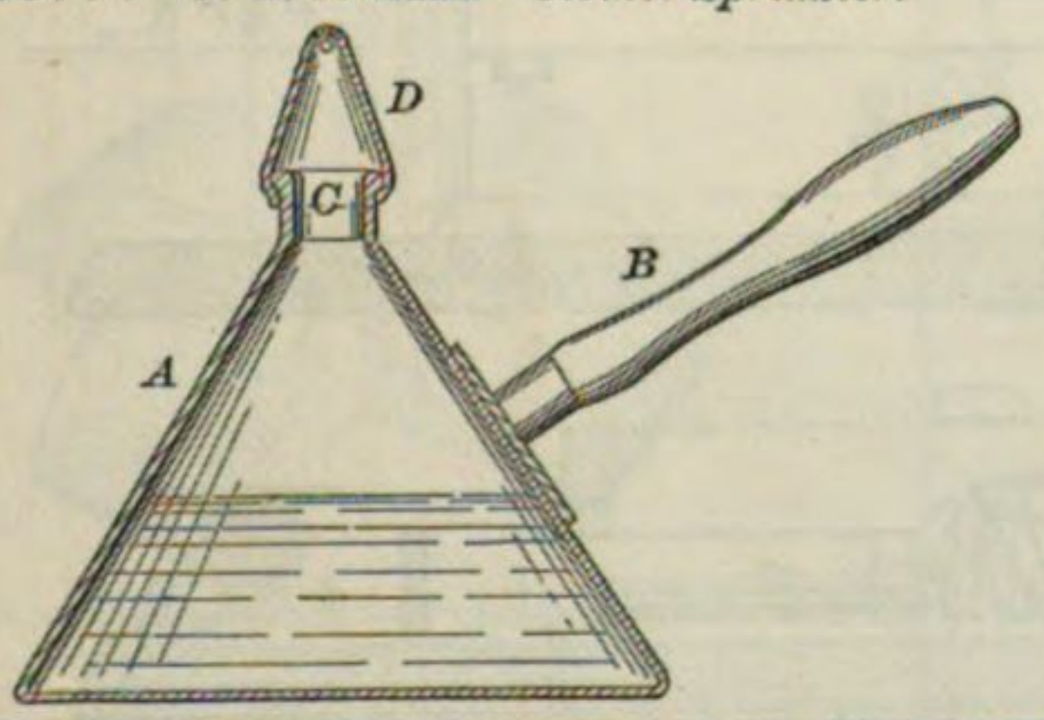
55952—J. Green—*Grain Separator.*



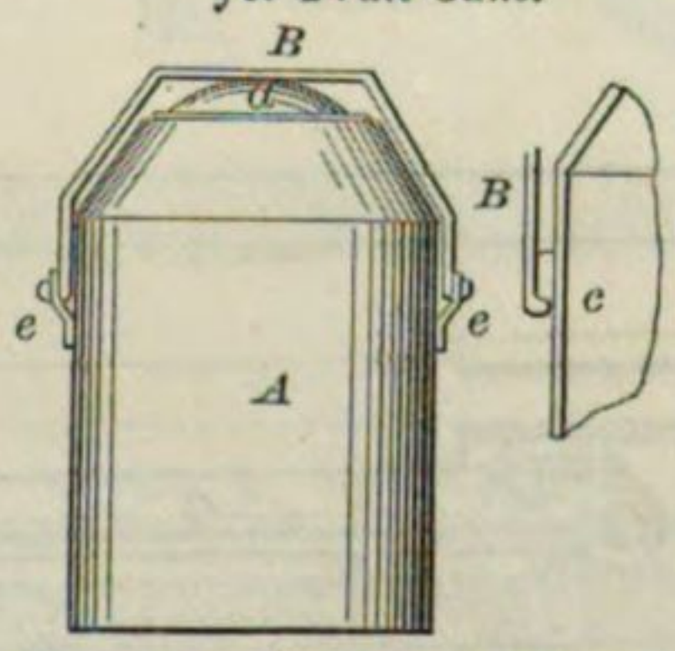
55954—J. C. Hyde—*Butt Hinge.*



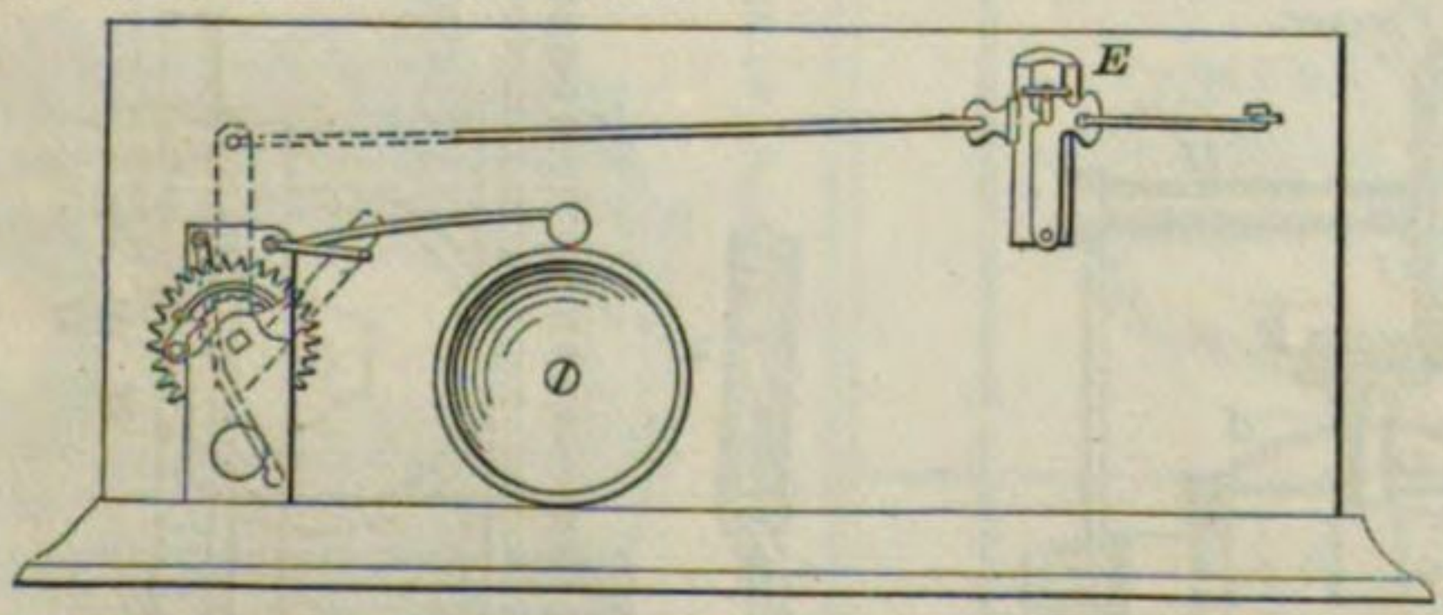
55956—J. L. Kendall—*Clothes Sprinkler.*



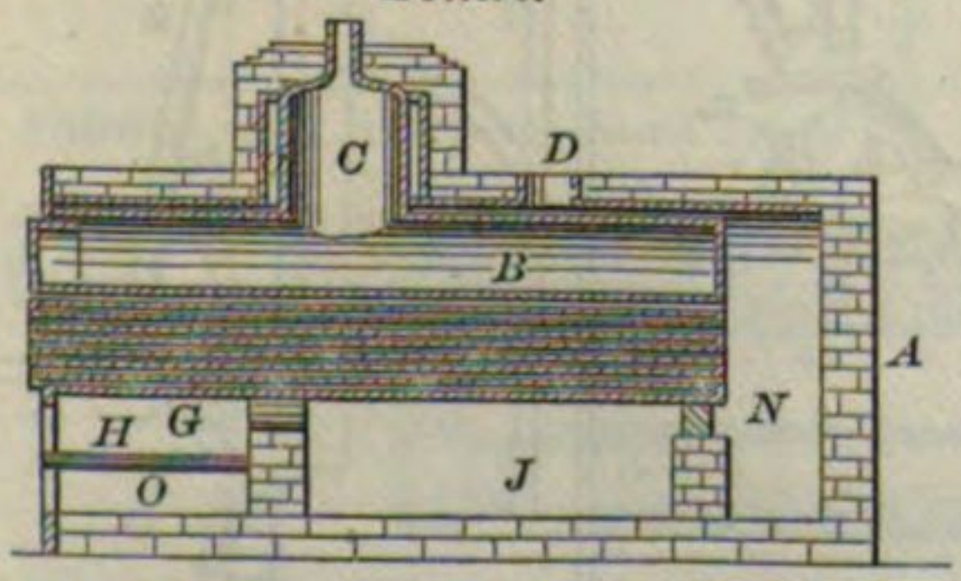
55953—G. H. Hammer—*Fastening for Fruit Cans.*



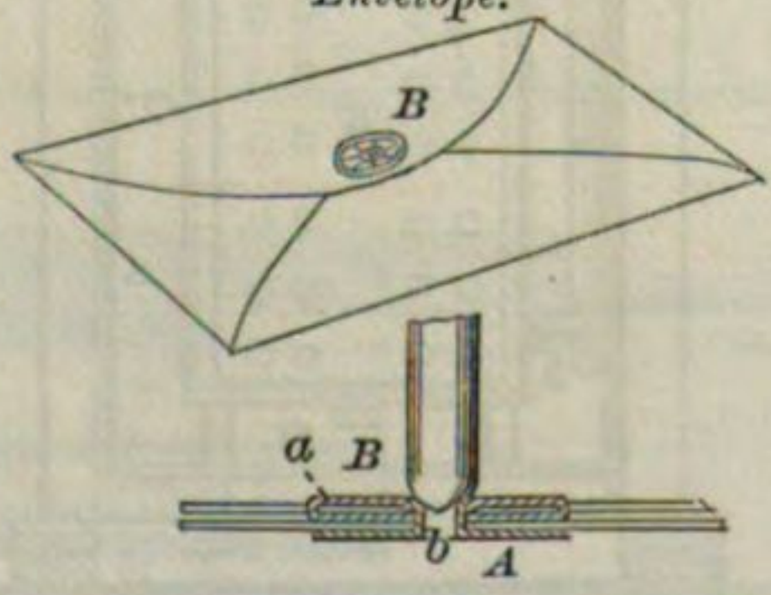
55957—C. D. Kubach—*Fire Alarm.*



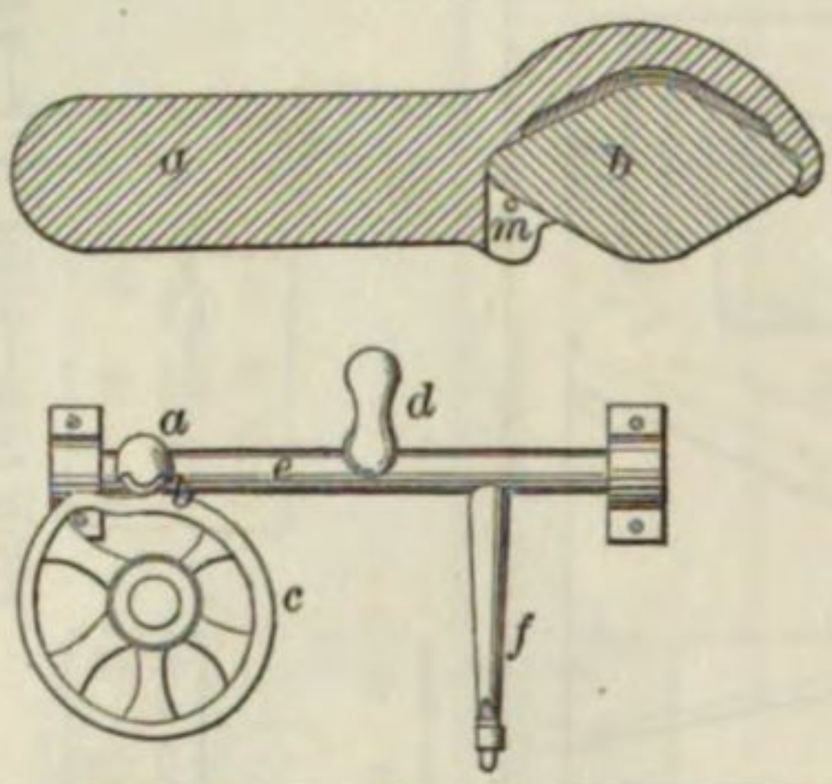
55958—C. S. Nelson—*Setting Stationary Steam Boilers.*



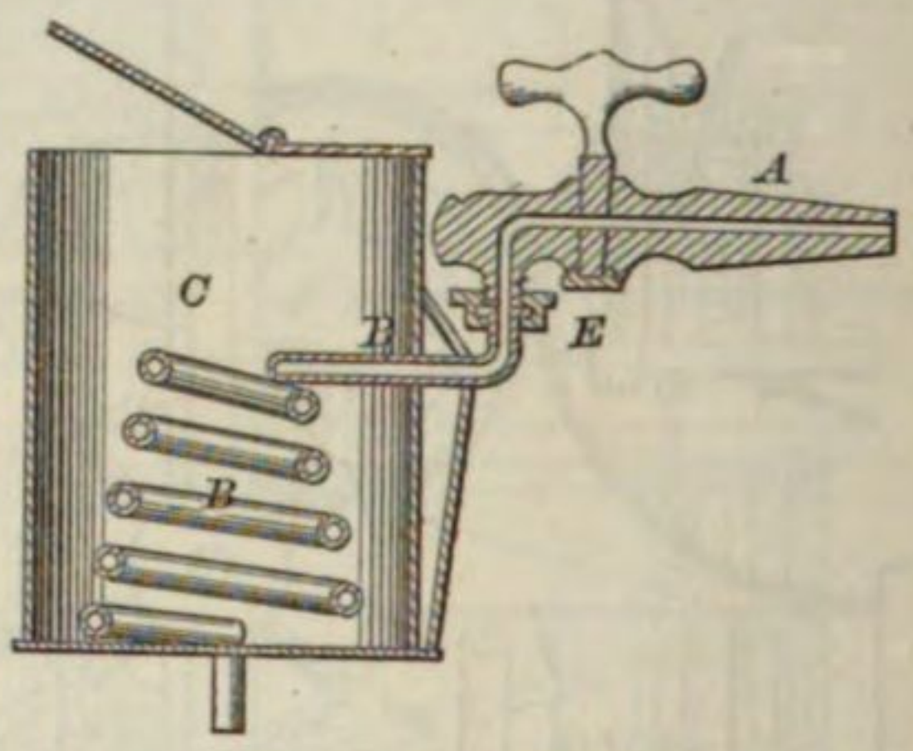
55955—R. S. Jennings—*Metallic Seal Envelope.*



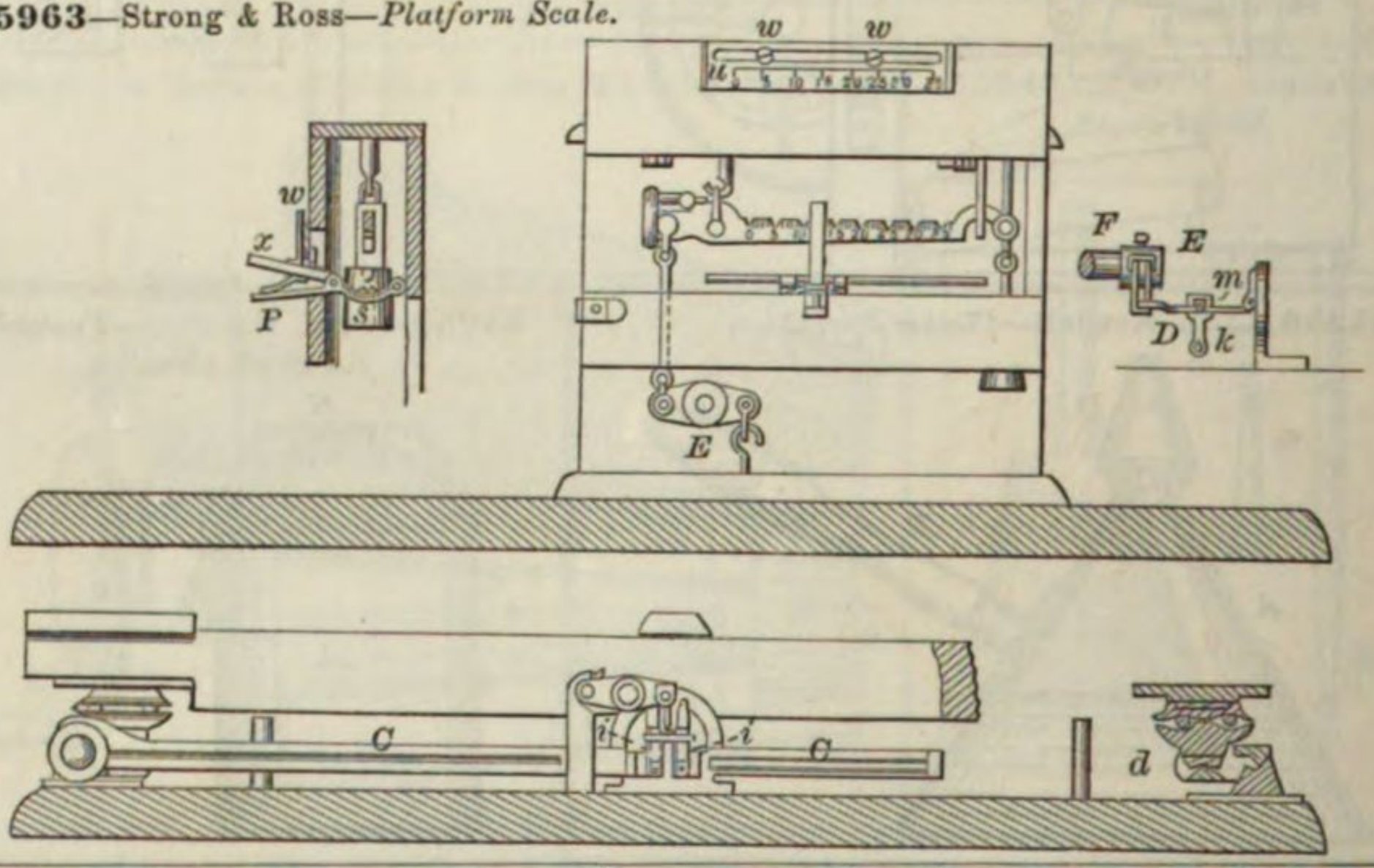
55959—G. W. Patterson—*Picker Arm for Looms.*



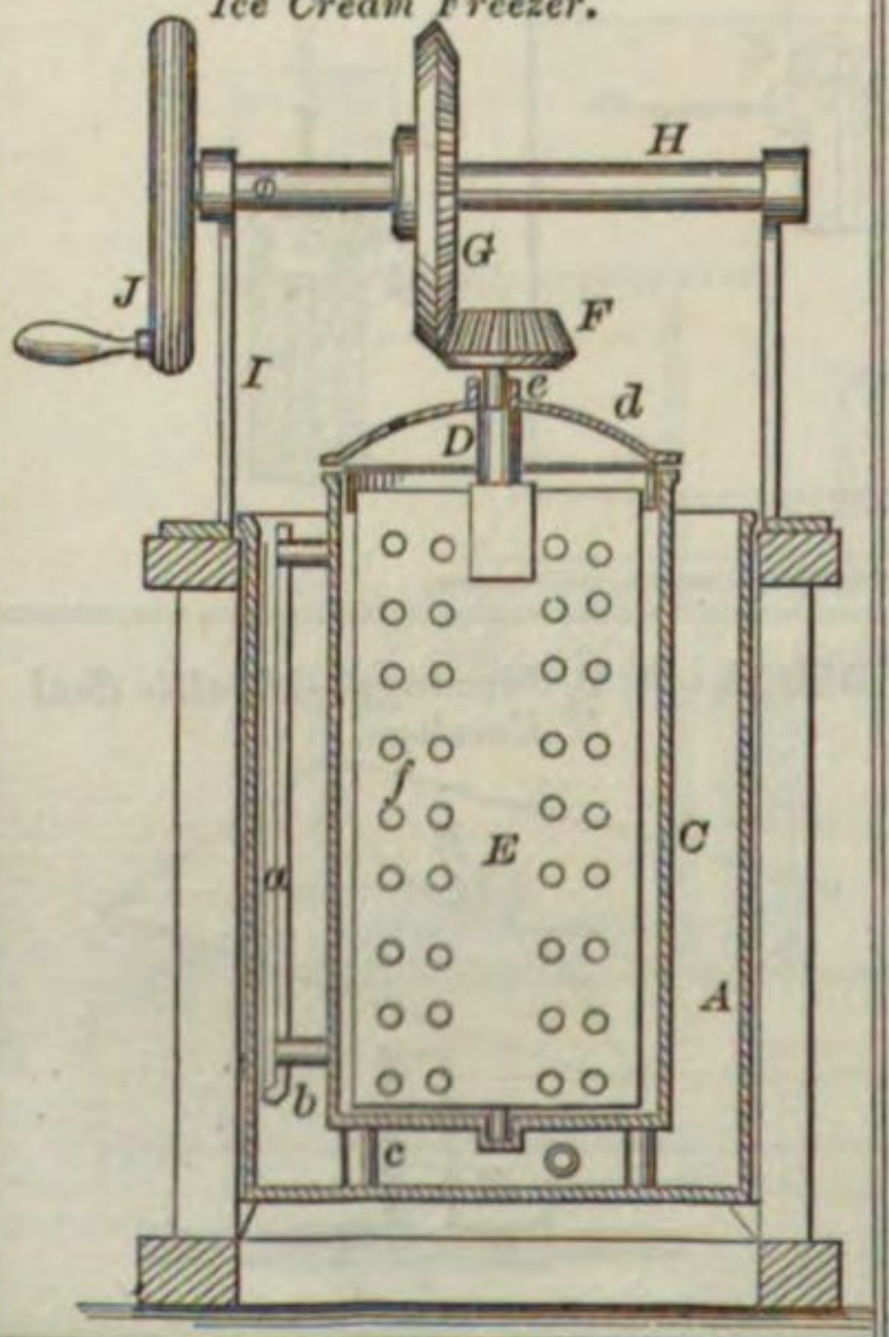
55962—J. R. B. Schwarze—*Liquid Cooler.*



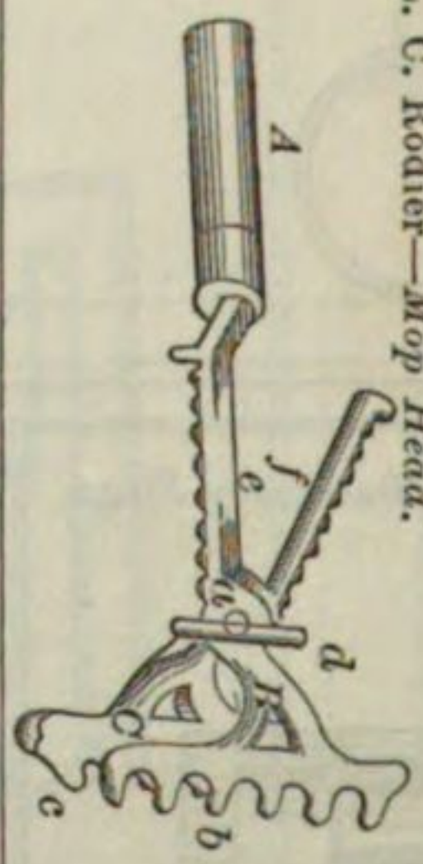
55963—Strong & Ross—*Platform Scale.*



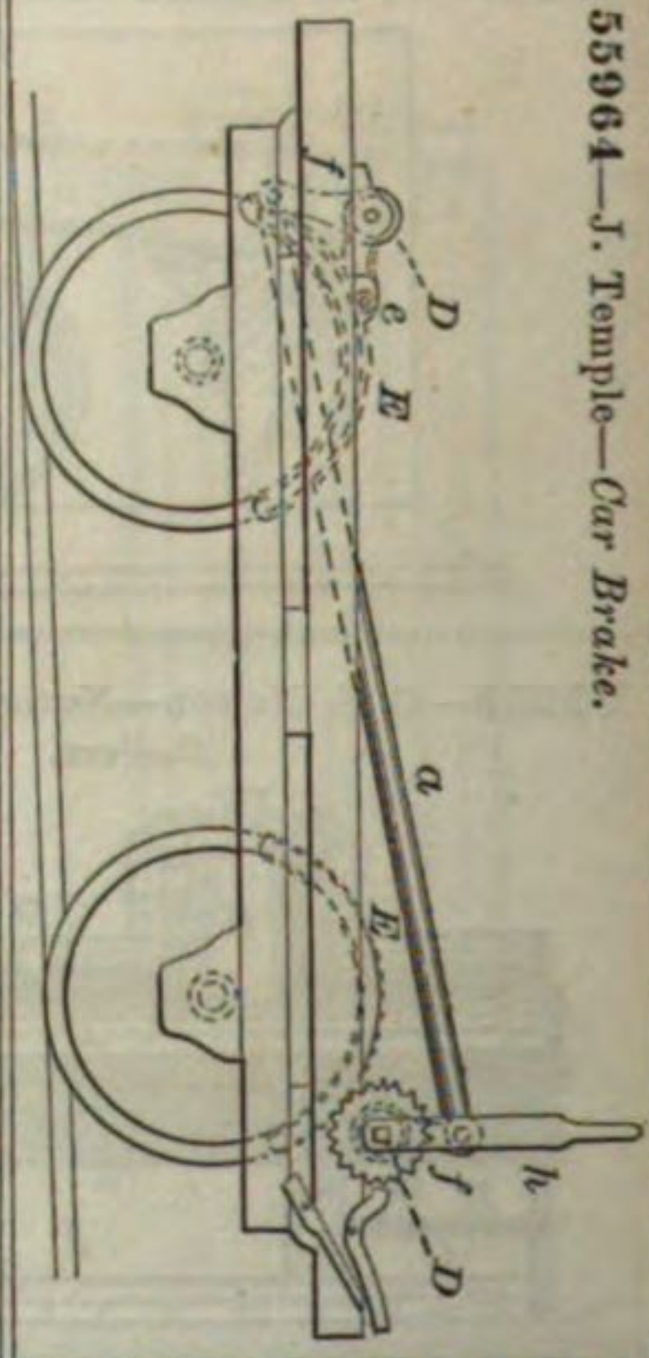
55960—T. W. Pomeroy—*Churn and Ice Cream Freezer.*



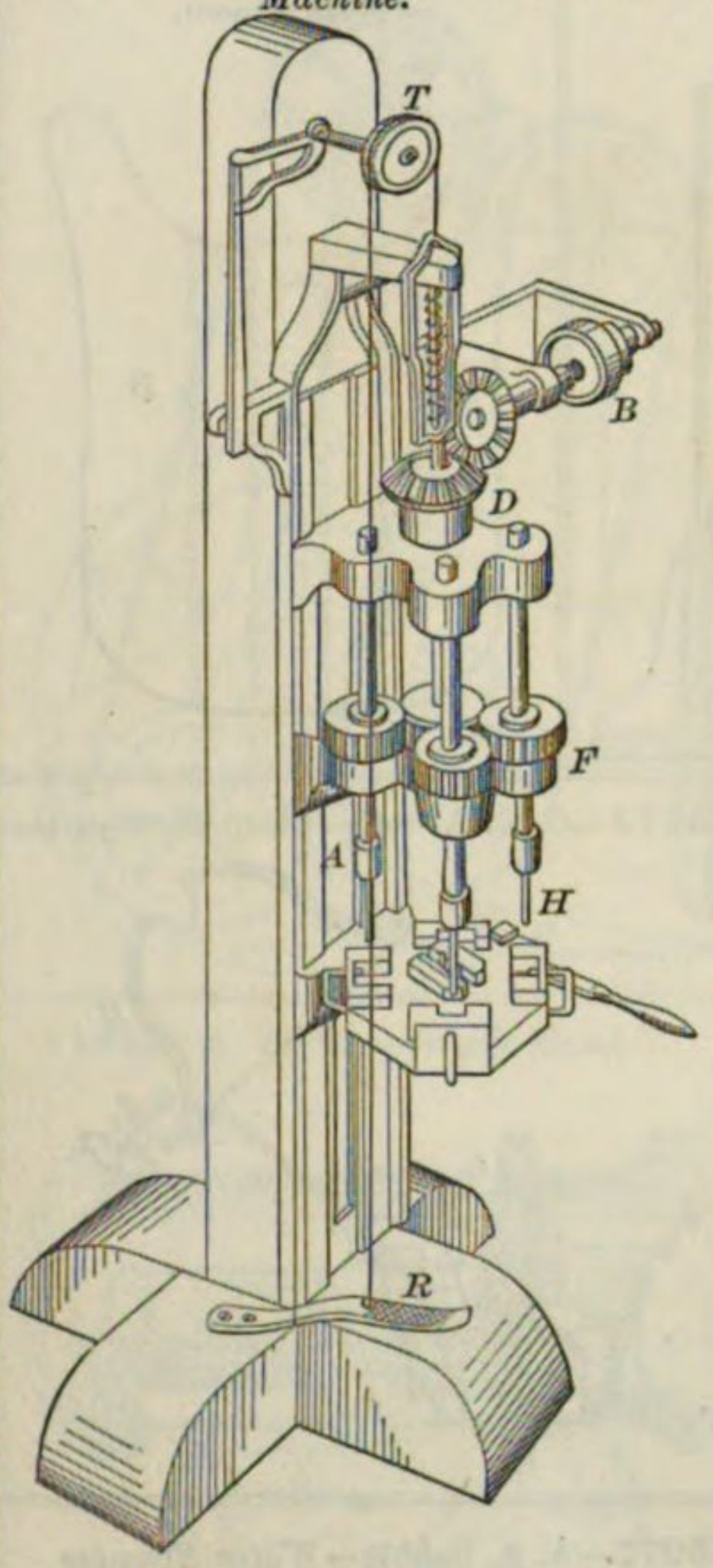
55961—L. C. Rodier—*Mop Head.*



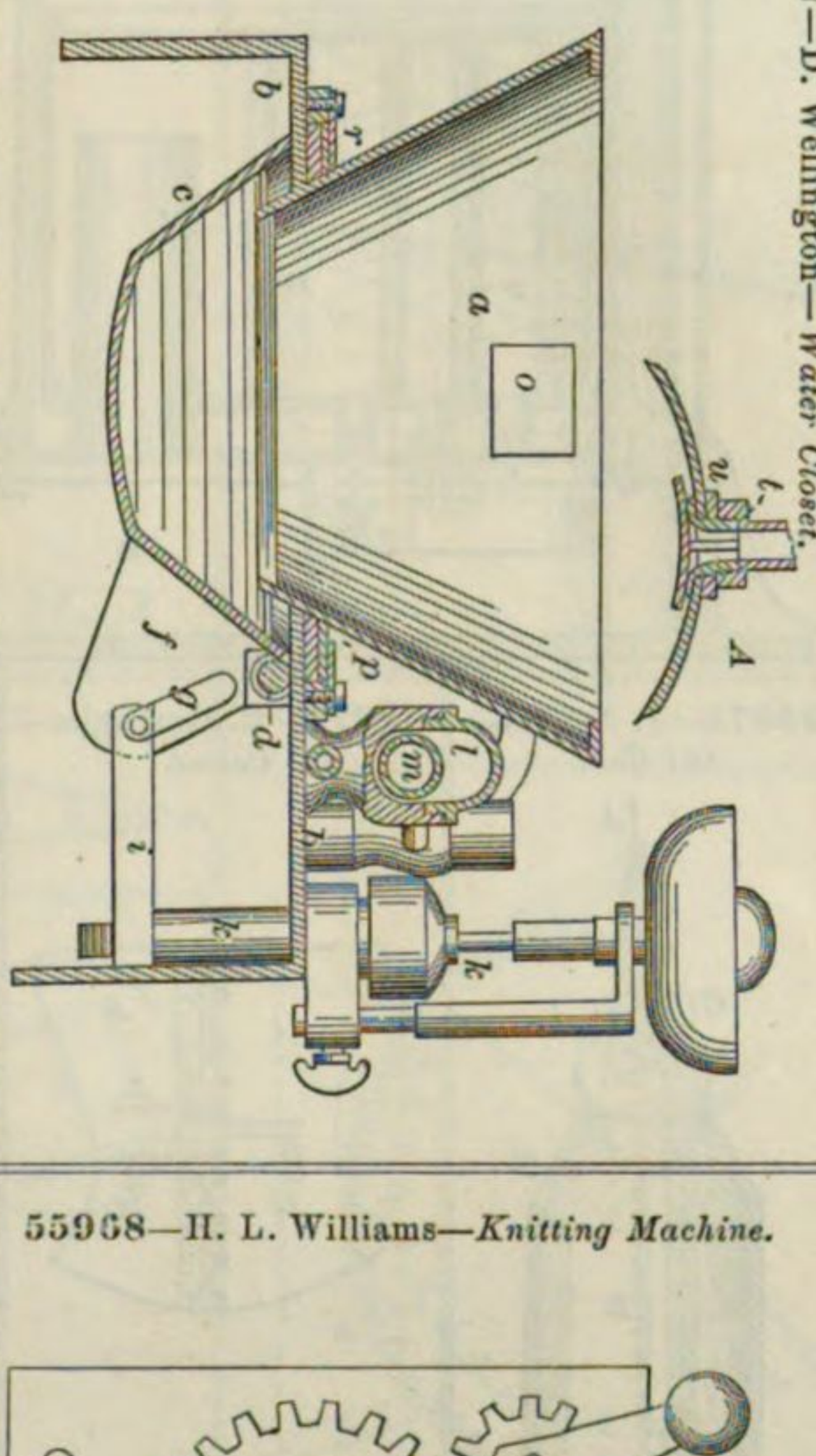
55964—J. Temple—*Car Brake.*



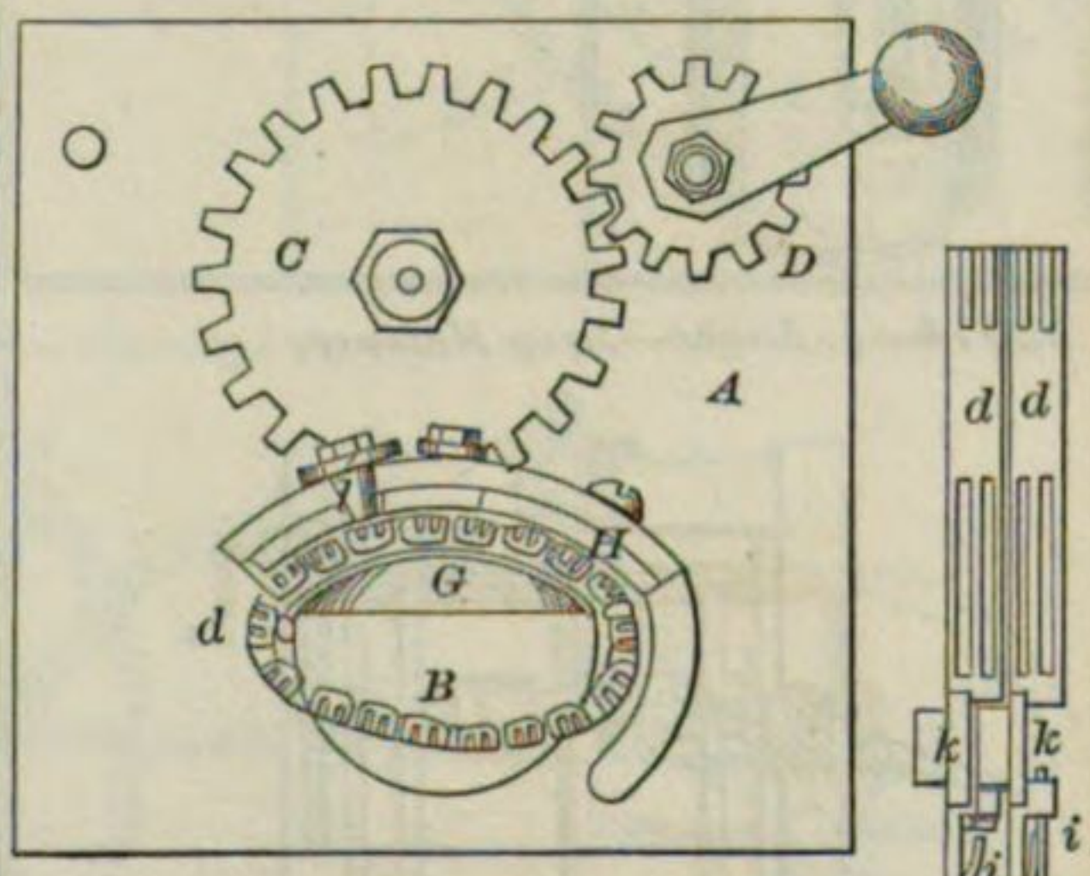
55965—F. Votteler—*Nut Tapping Machine.*



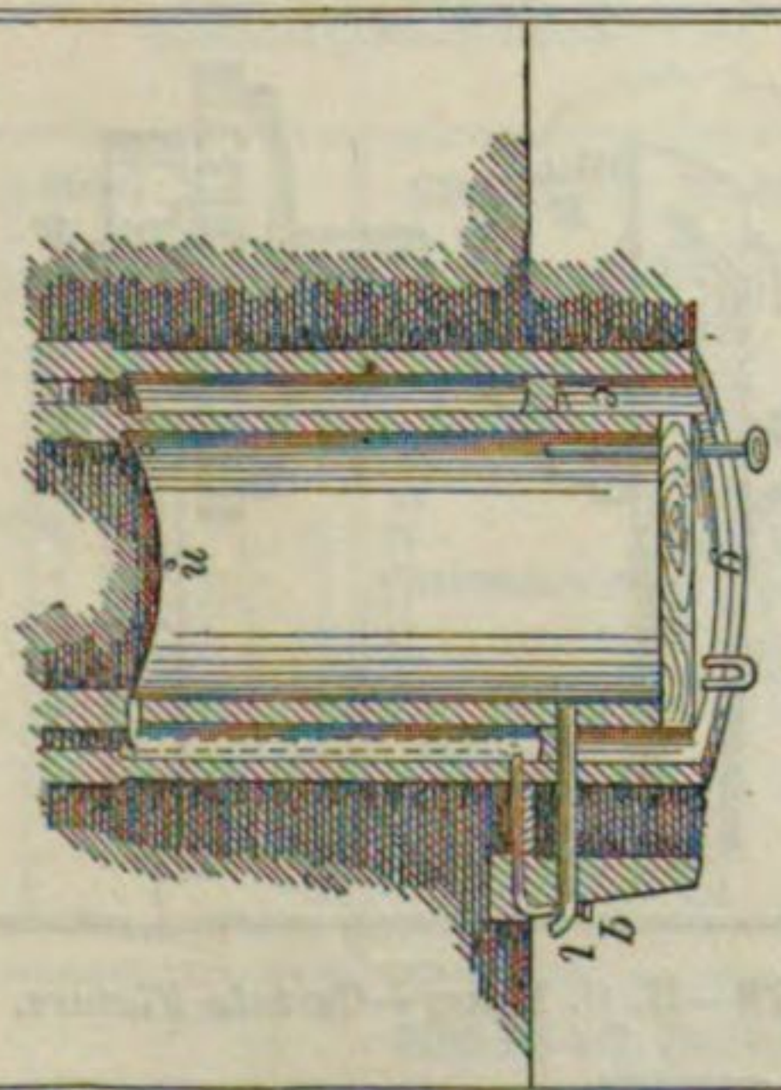
55967—D. Wellington—*Water Closet.*



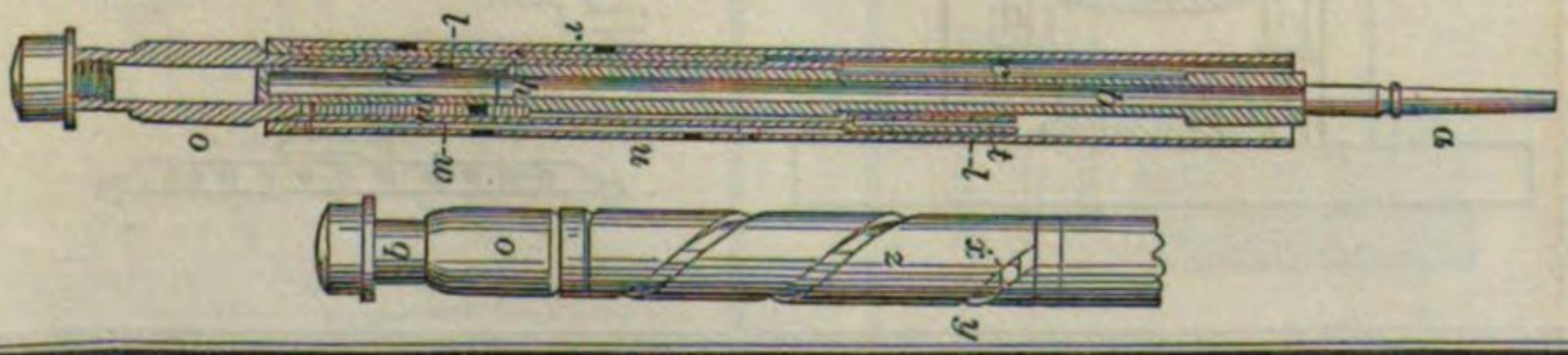
55968—H. L. Williams—*Knitting Machine.*



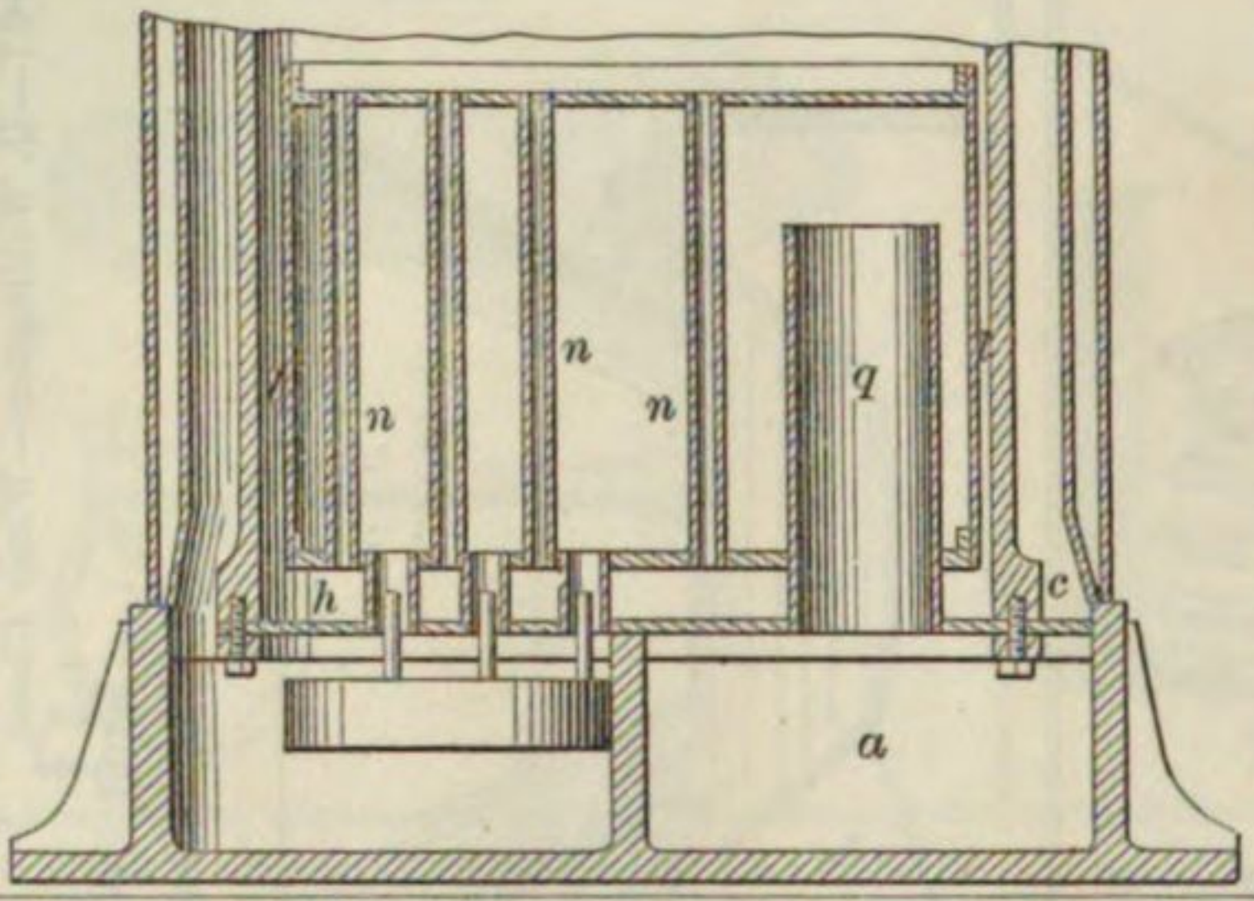
55970—P. Jacovence—*Petroleum Tank.*



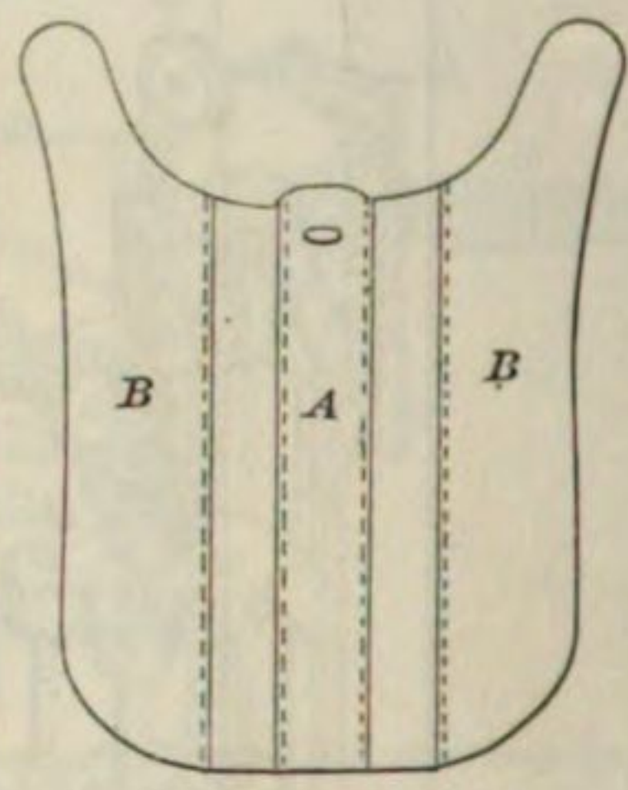
55966—D. T. Warren—*Pencil Case.*



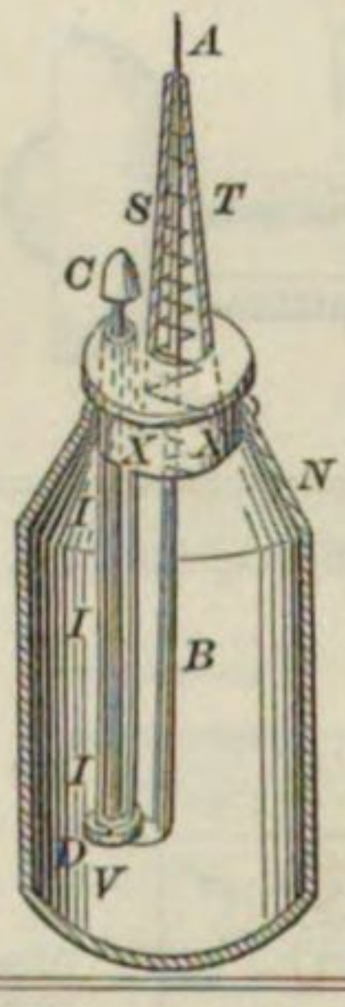
55971—W. Reinlein—*Hot Air Engine.*



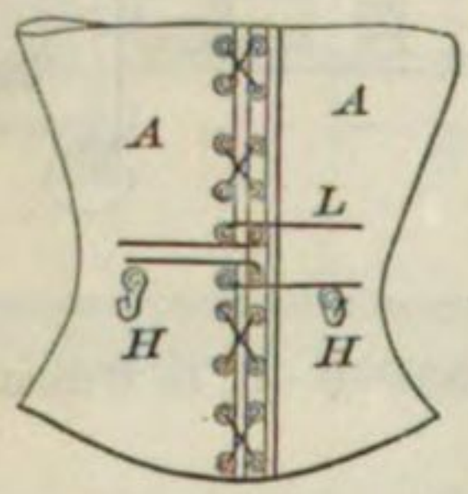
55974—C. Arnold—*Paper Cloth Bosom.*



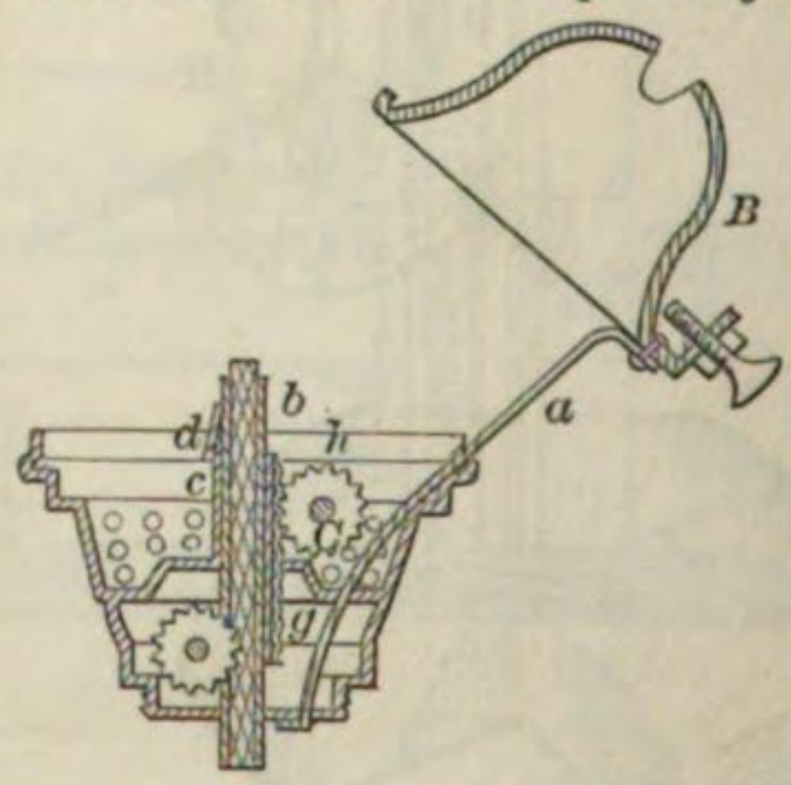
55975—J. Ashton—*Oil Can.*



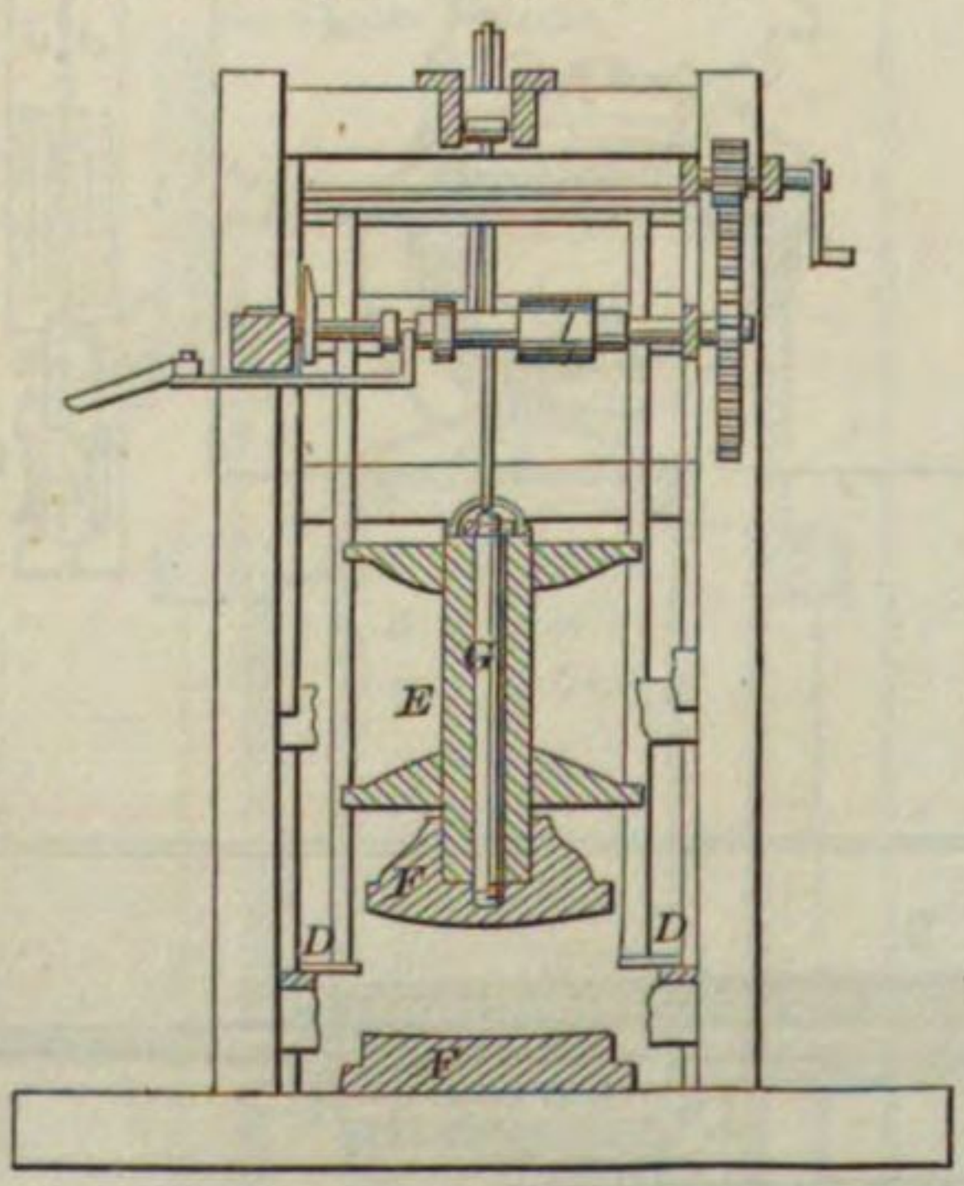
55972—E. Hambyjer—*Corset.*



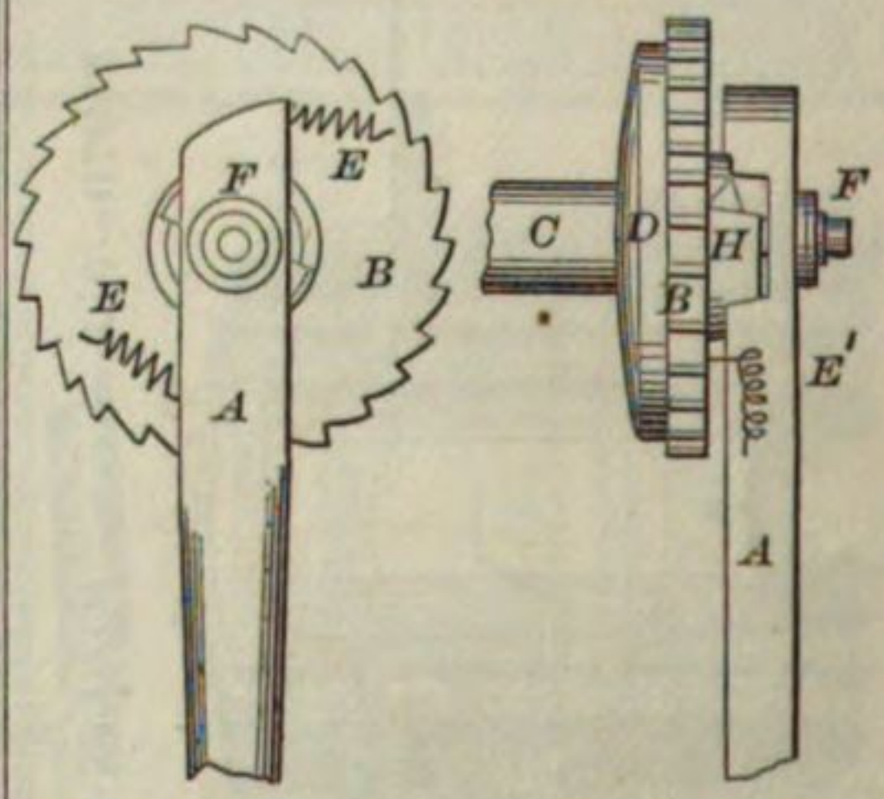
55973—C. E. Abbott—*Lamp Extinguisher.*



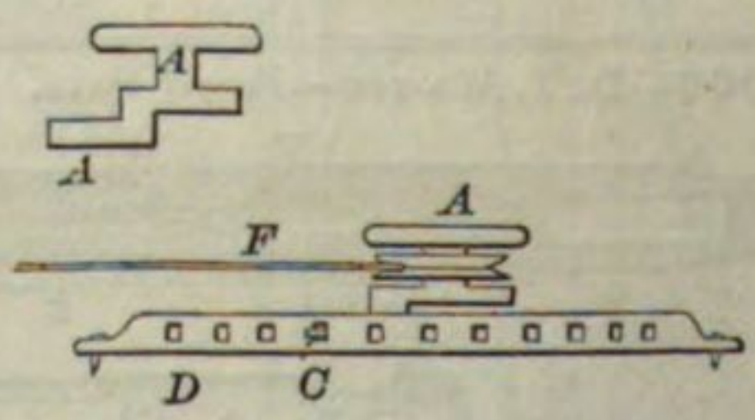
55976—J. Aughe—*Drop Hammer.*



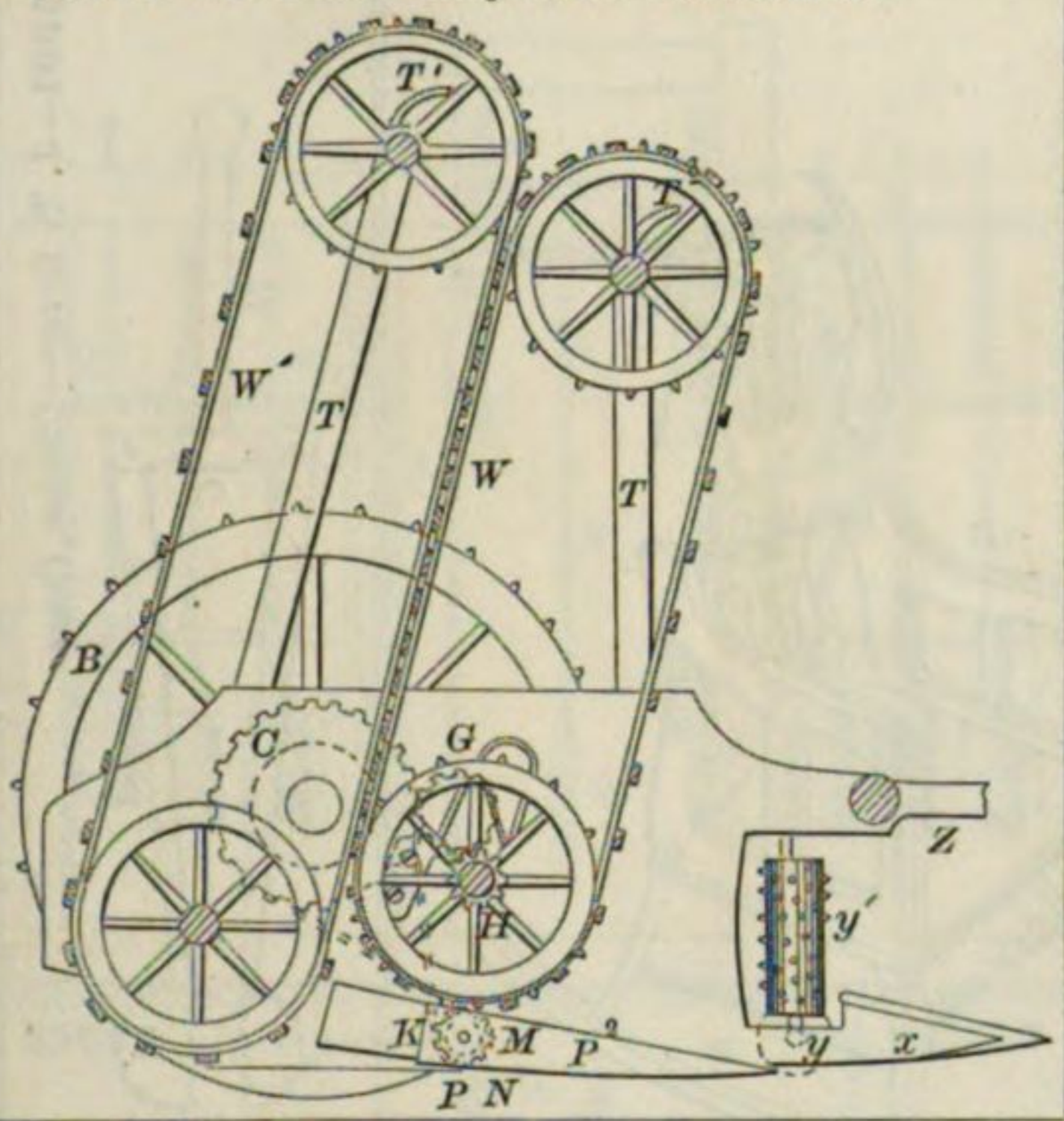
55977—A. S. Babbit—*Water Elevator*



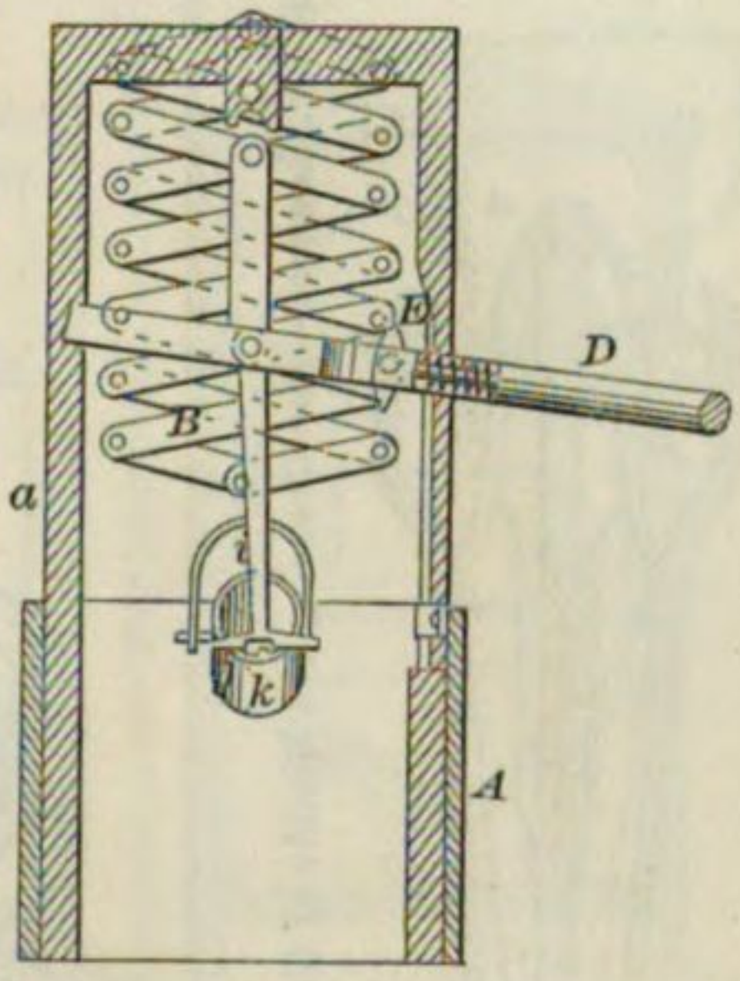
55978—H. O. Baker—*Curtain Fixture.*



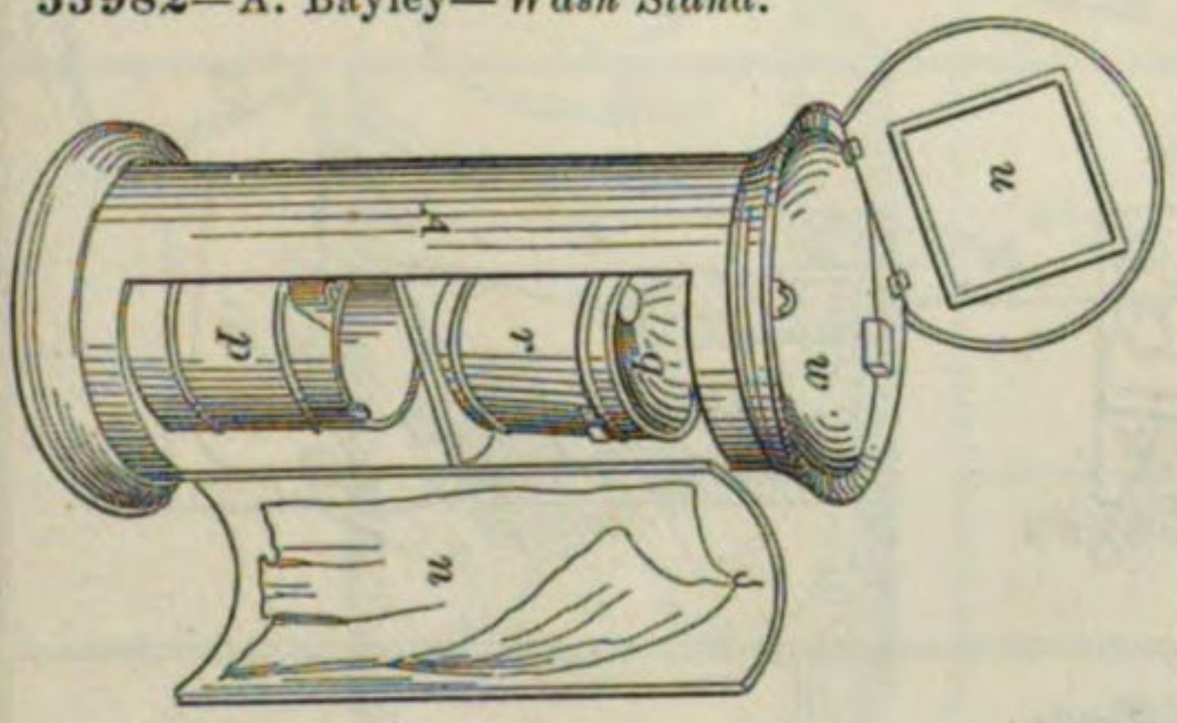
55979—H. Baker—*Hay Raker and Loader.*



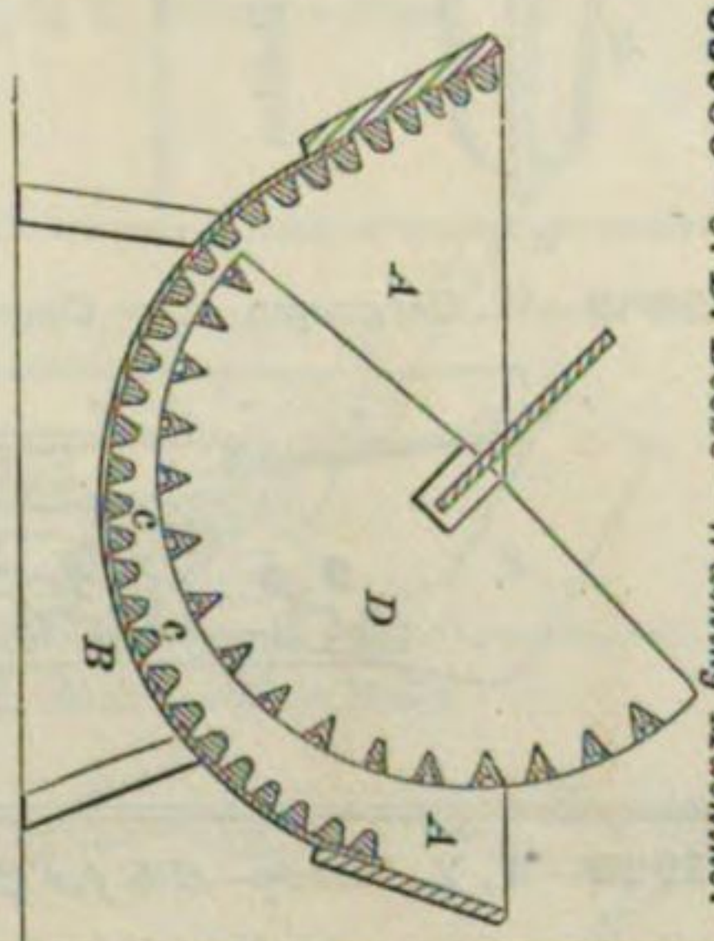
55980—J. C. Barrett—*Water Elevator.*



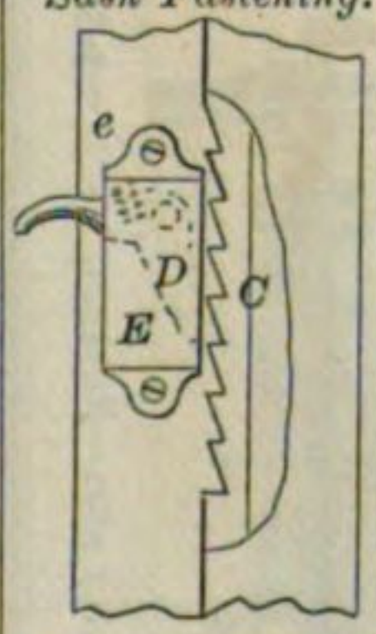
55982—A. Bayley—*Wash Stand.*



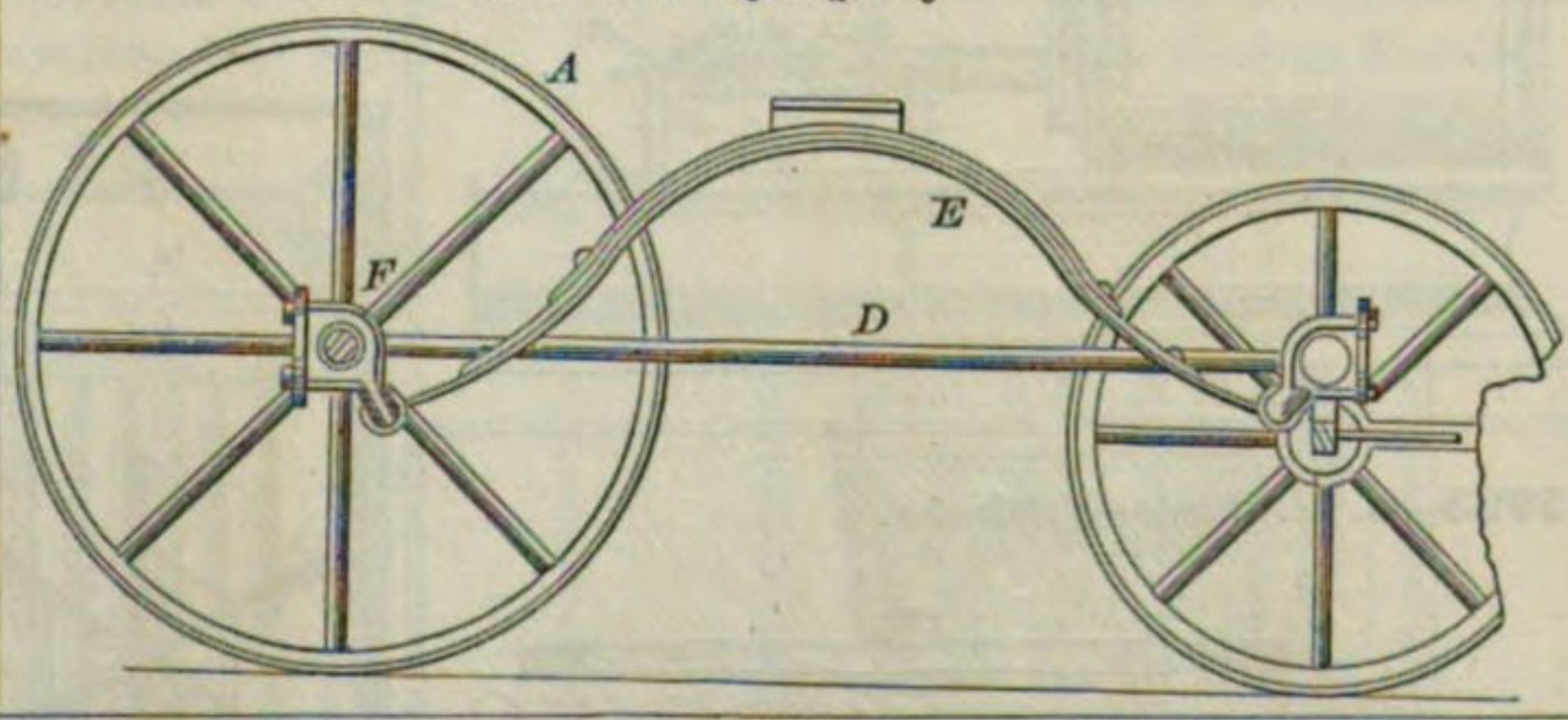
55986—O. D. Beebe—*Washing Machine.*



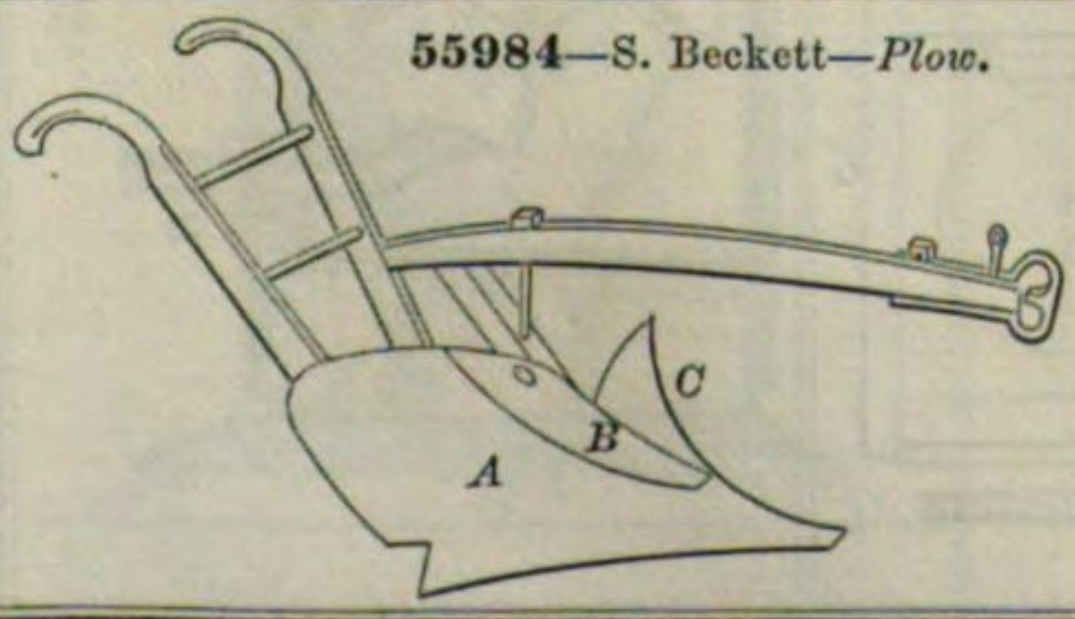
55981
—H. De Baun—
Sash Fastening.



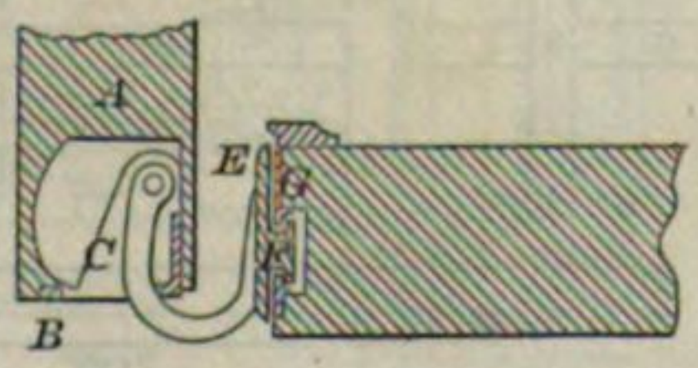
55985—B. M. Beckwith—*Carriage Spring.*



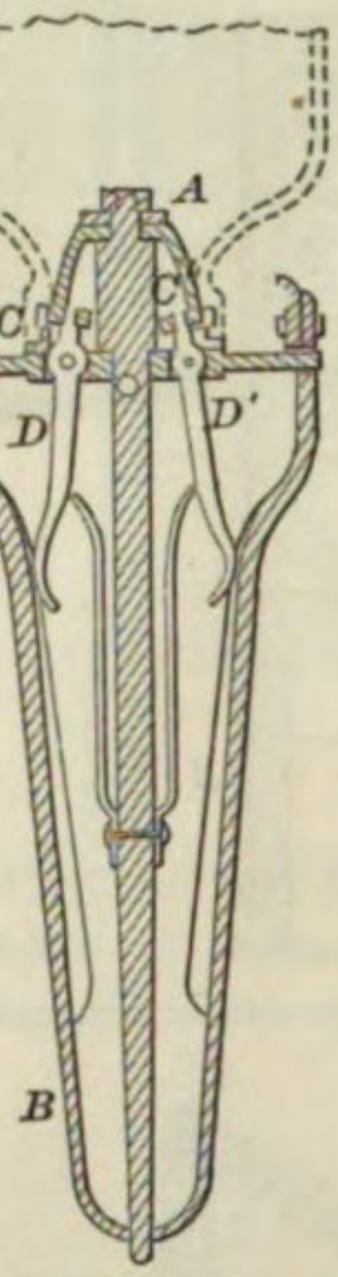
55984—S. Beckett—*Plow.*



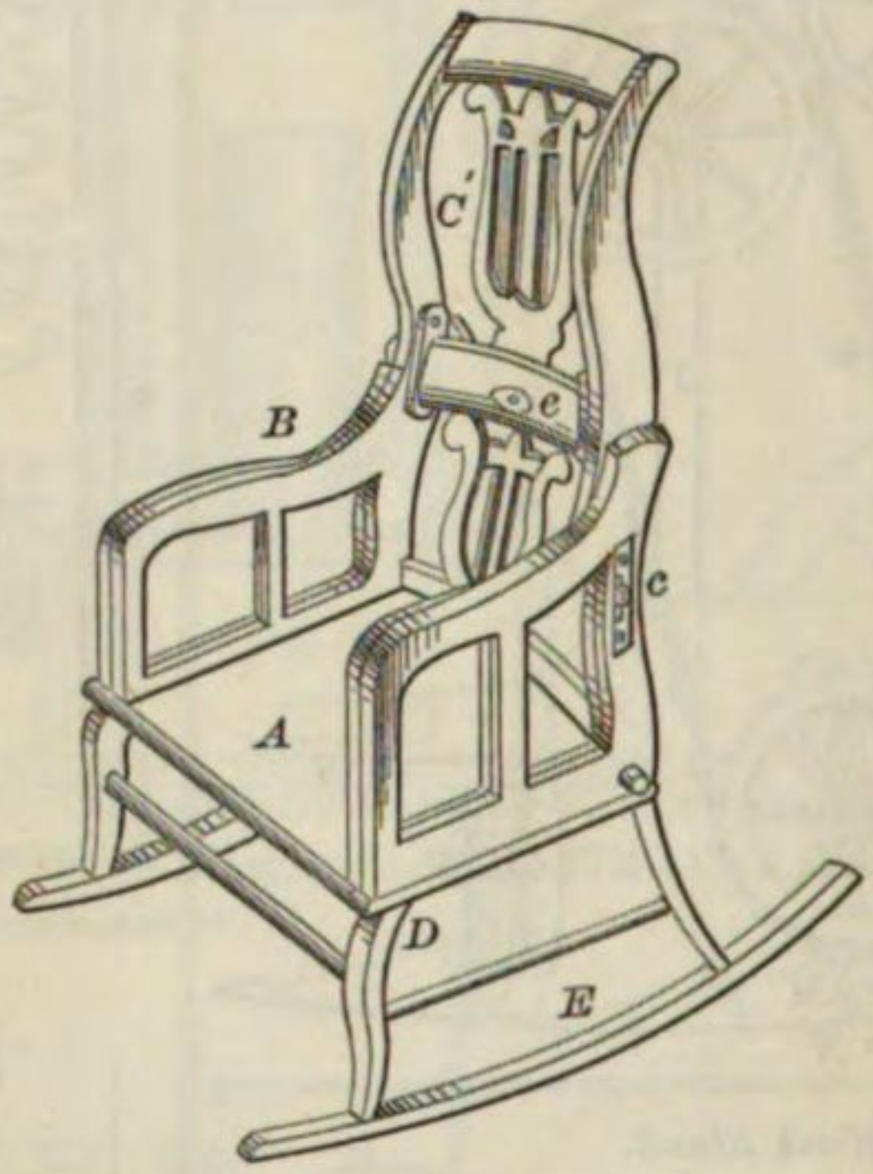
55987—G. W. Beers—*Carriage Hinge.*



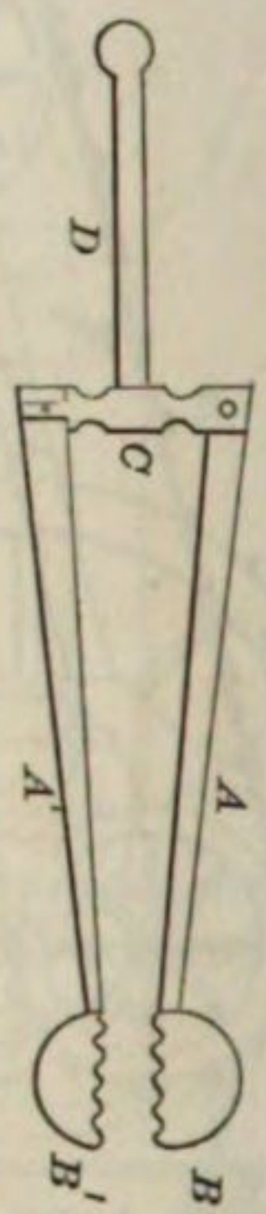
55988—E. Bennett—*For Grooving the Moulds of Glass Bottles.*



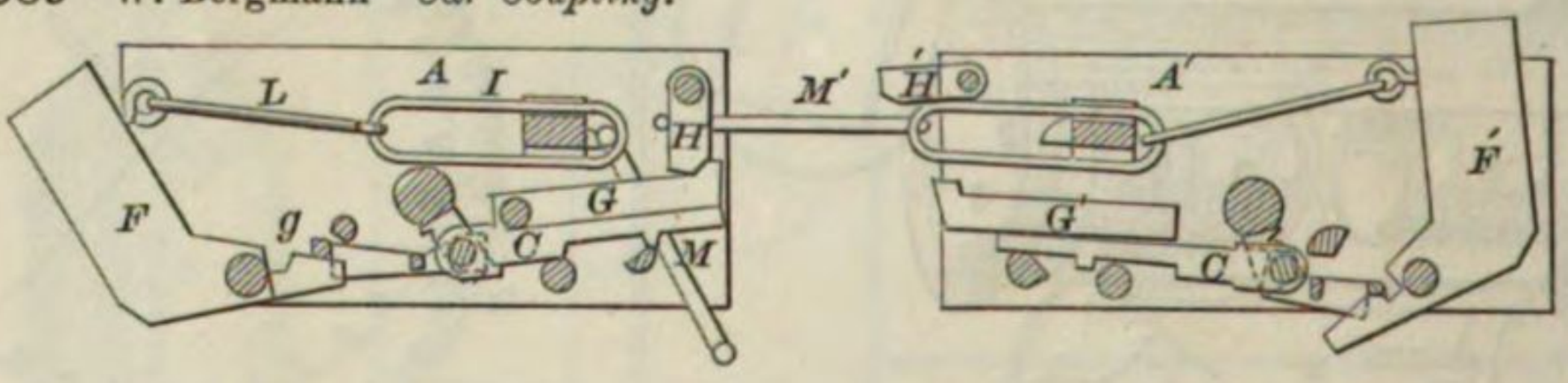
55990—A. Berny—*Cradle and Chair.*



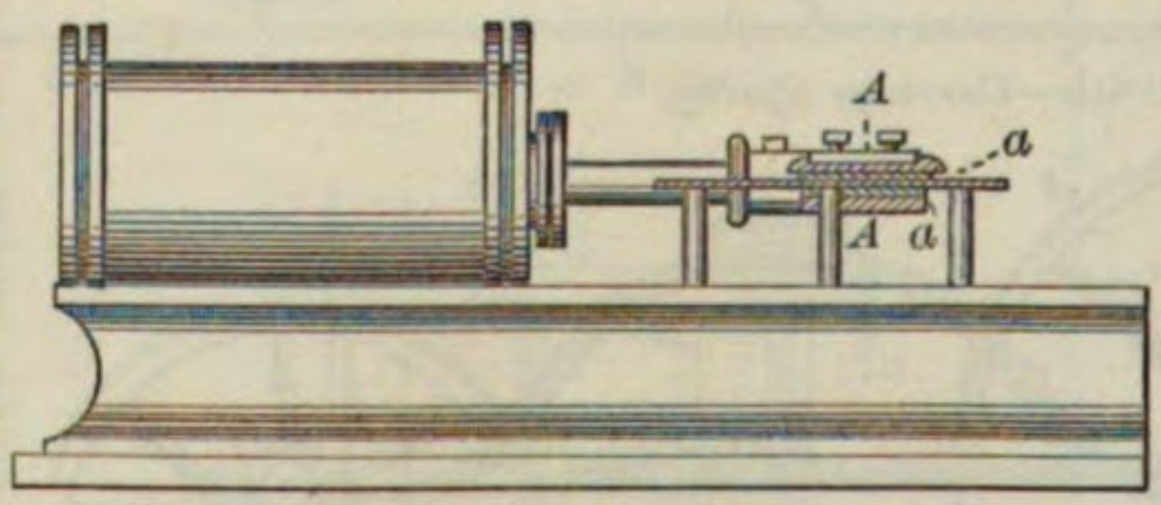
55991—J. T. Bever—*Clothes Tongs.*



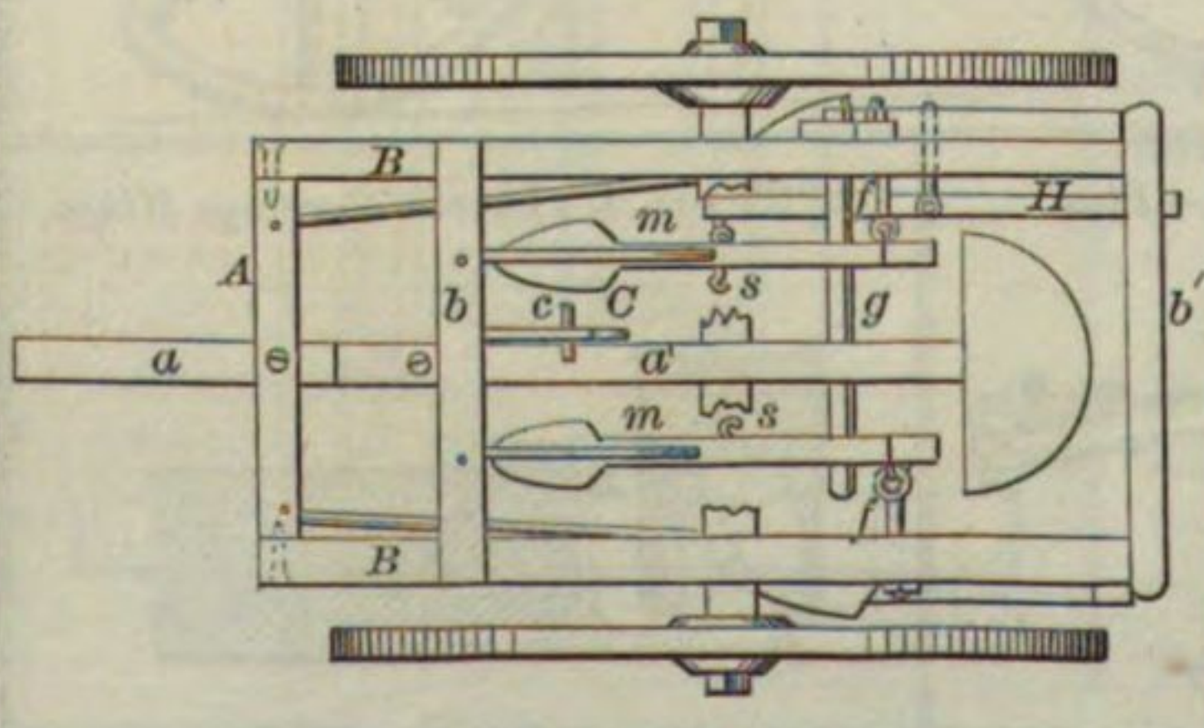
55989—W. Bergmann—*Car Coupling.*



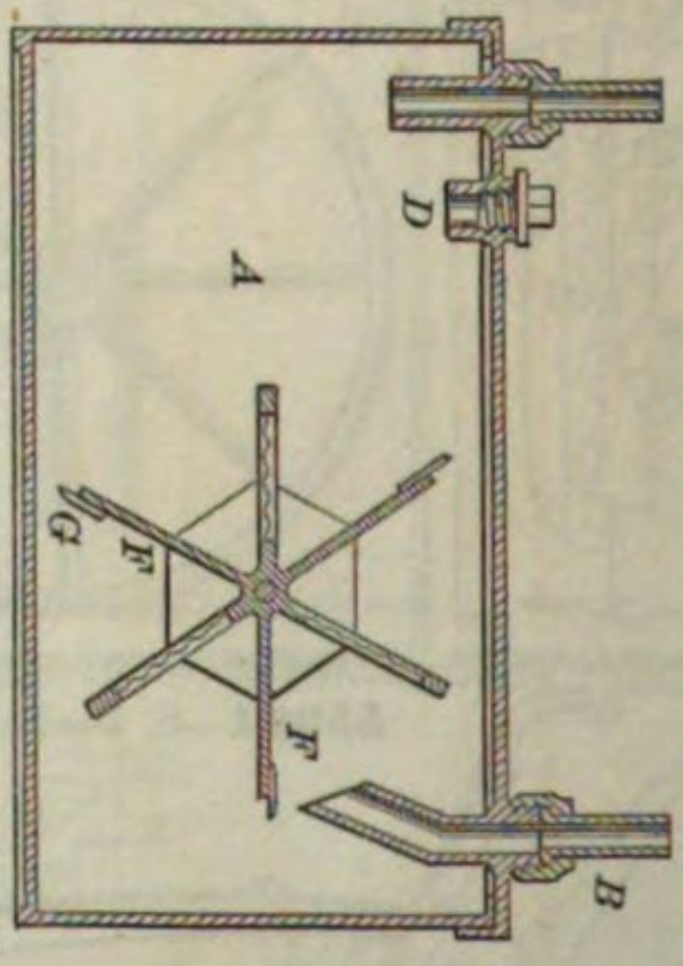
55992—W. R. Bishop—*Gib for Cross Heads.*



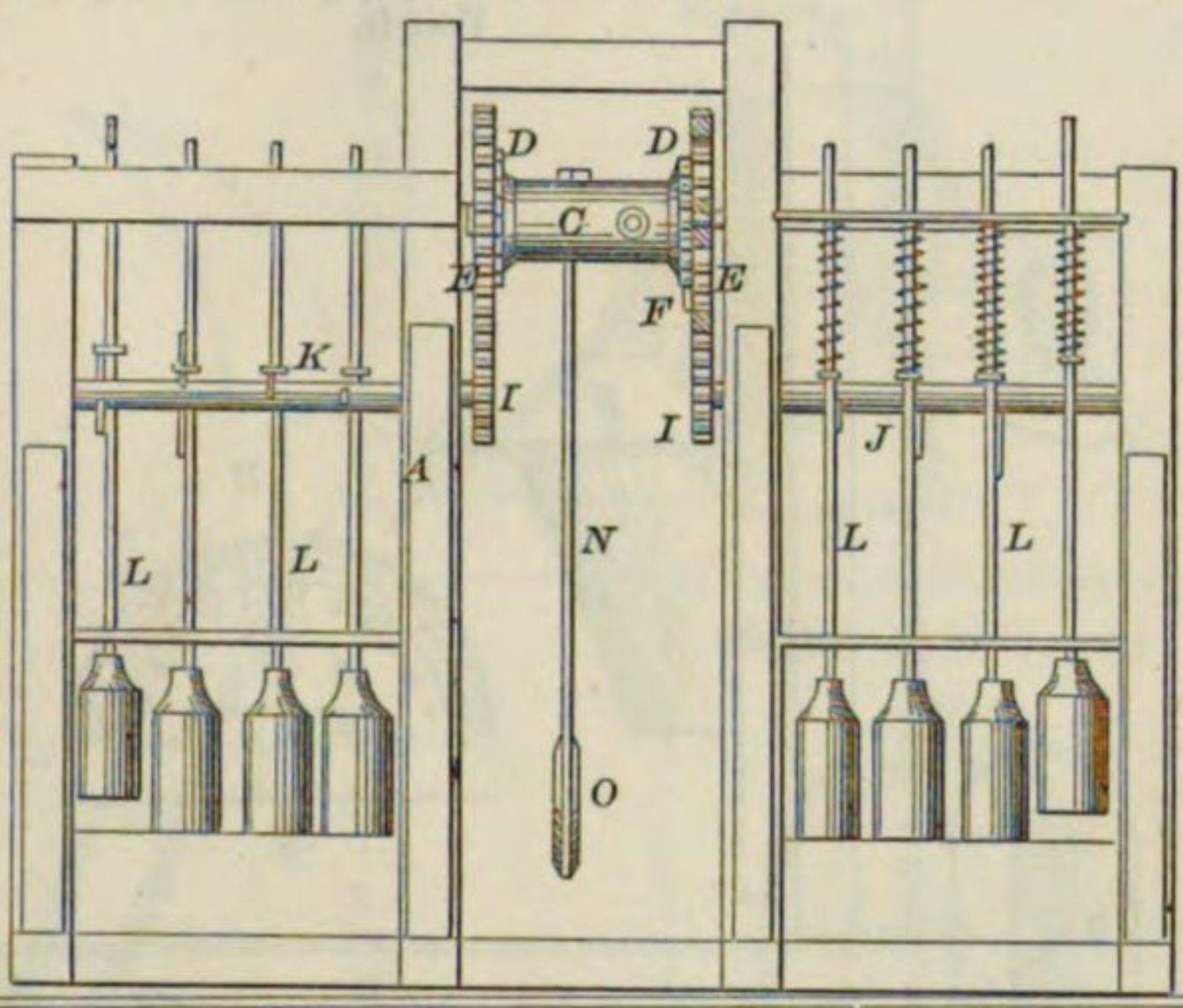
55993—A. M. Black—*Cultivator.*



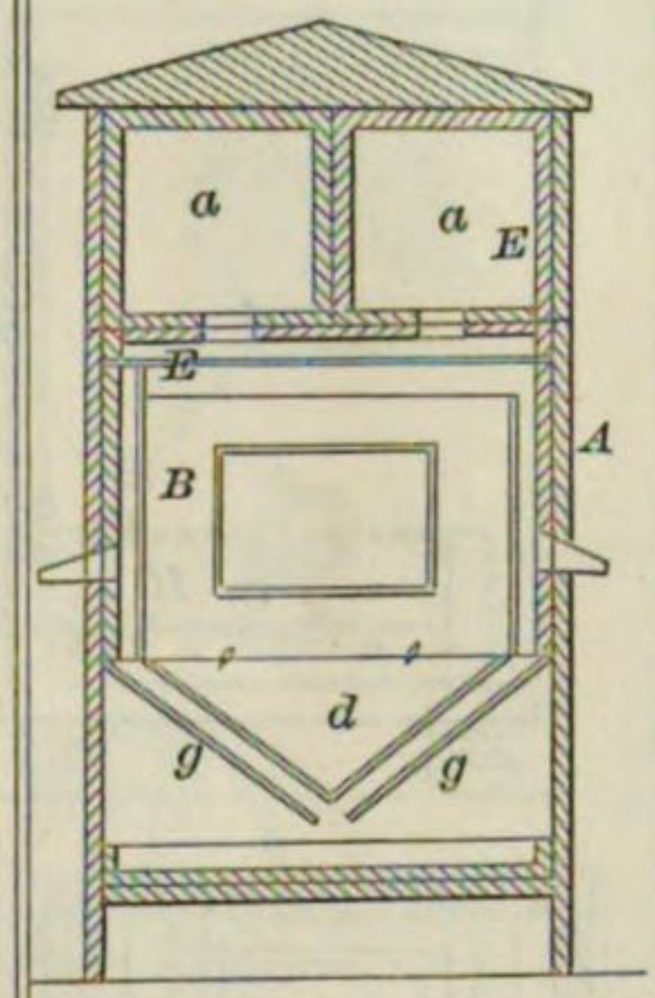
55994—R. C. Bocking—*Gas Purifier.*



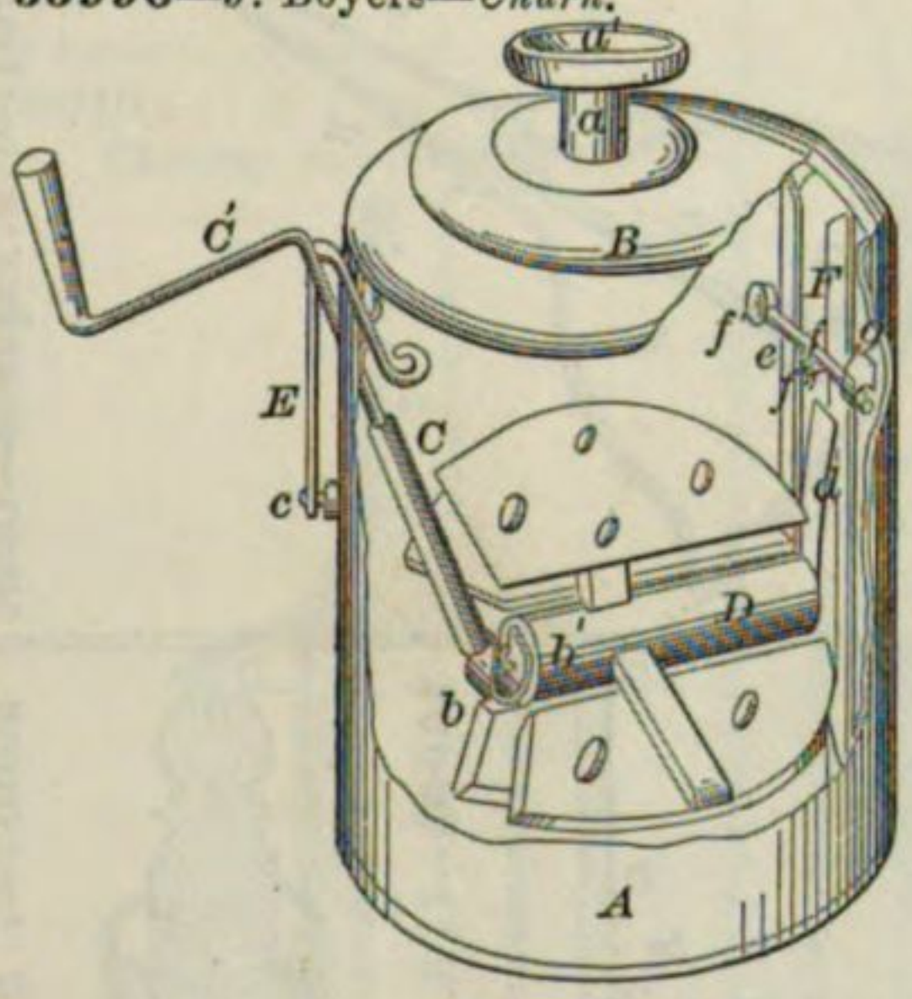
55995—J. T. Bonnell—*Quartz Mill.*



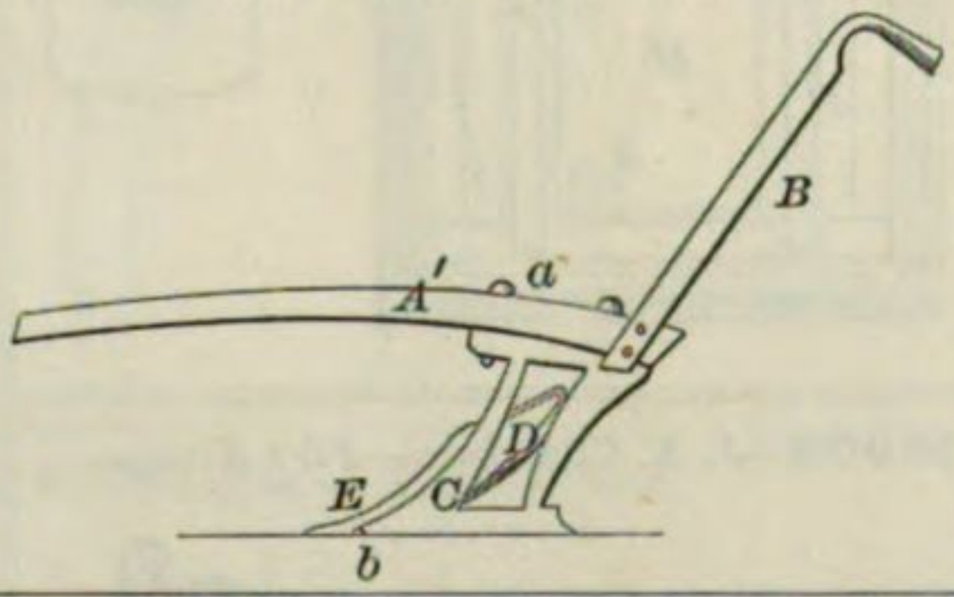
55998—J. Bradt—*Beehive.*



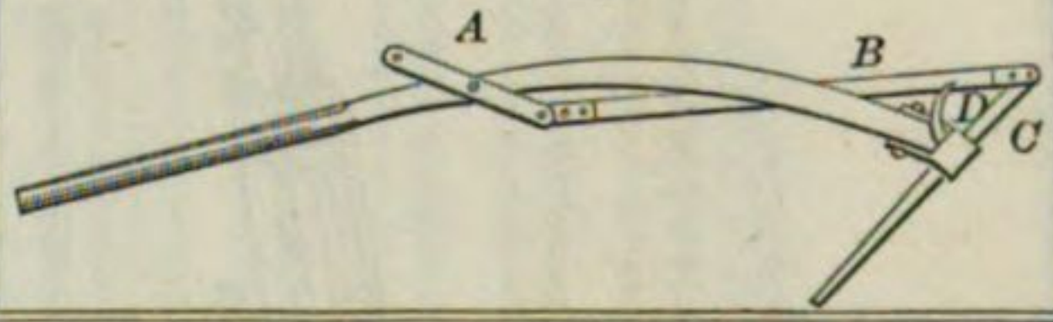
55996—J. Boyers—*Churn.*



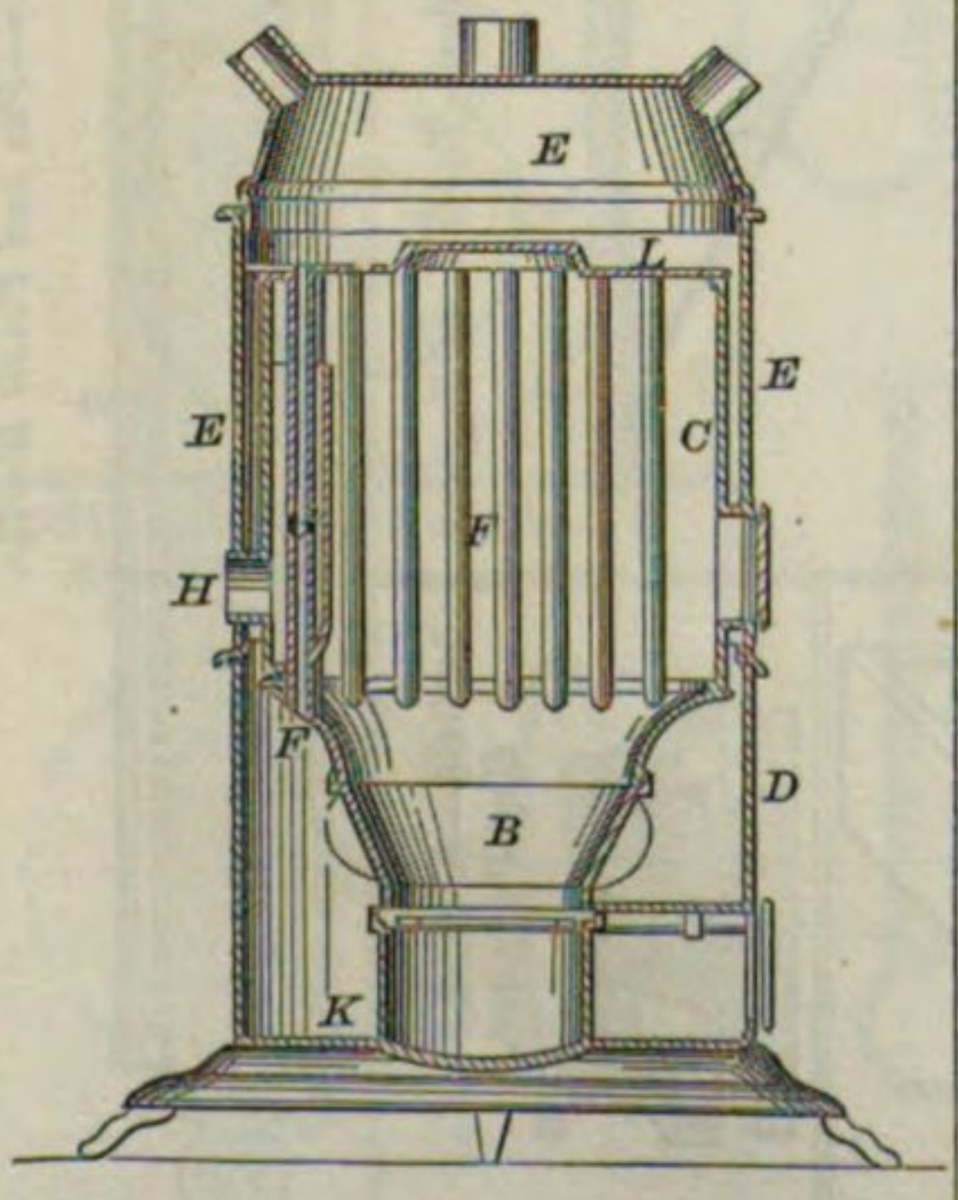
55999—T. E. C. Brimly—*Plow.*



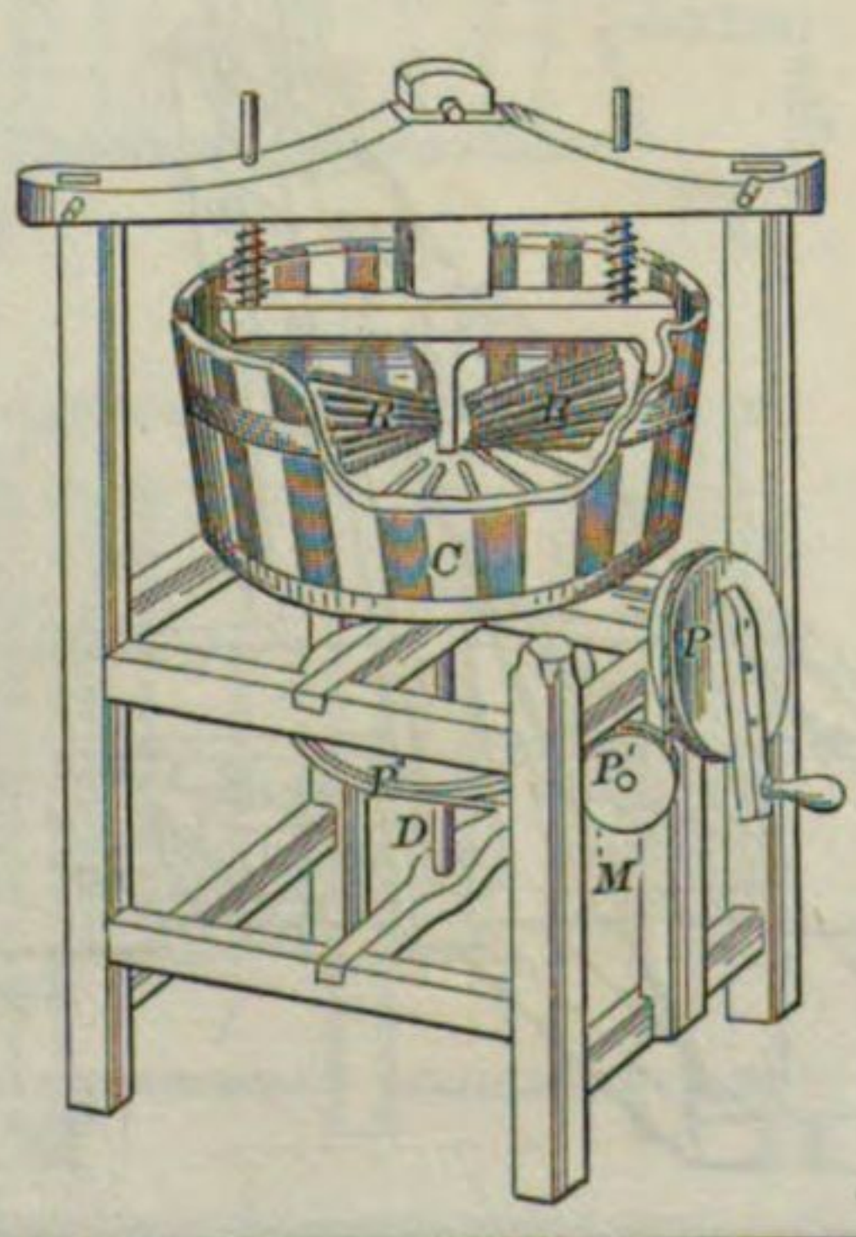
56000—H. Brown—*Hay Rake.*



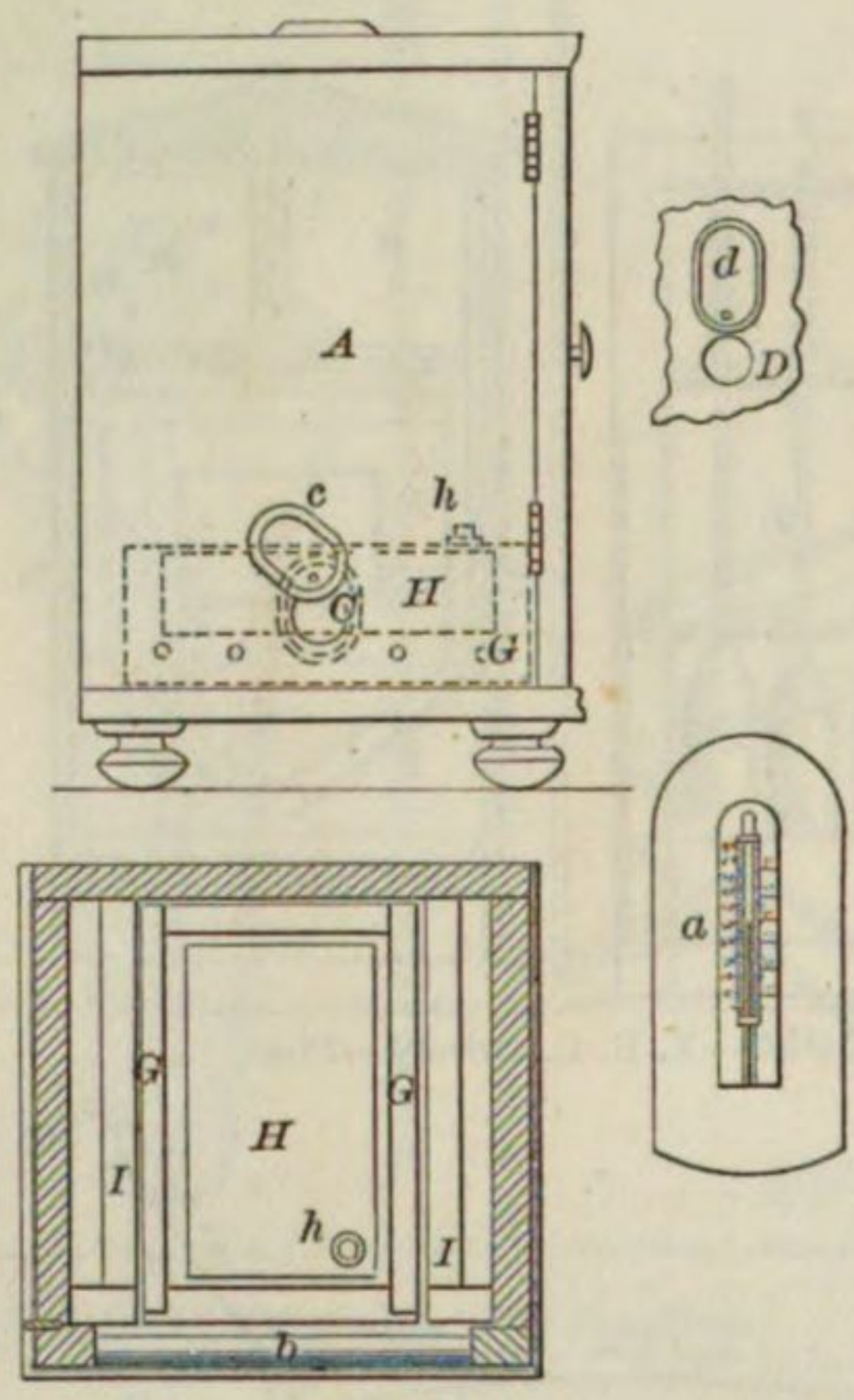
55997—N. A. Boynton—*Coal Stove.*



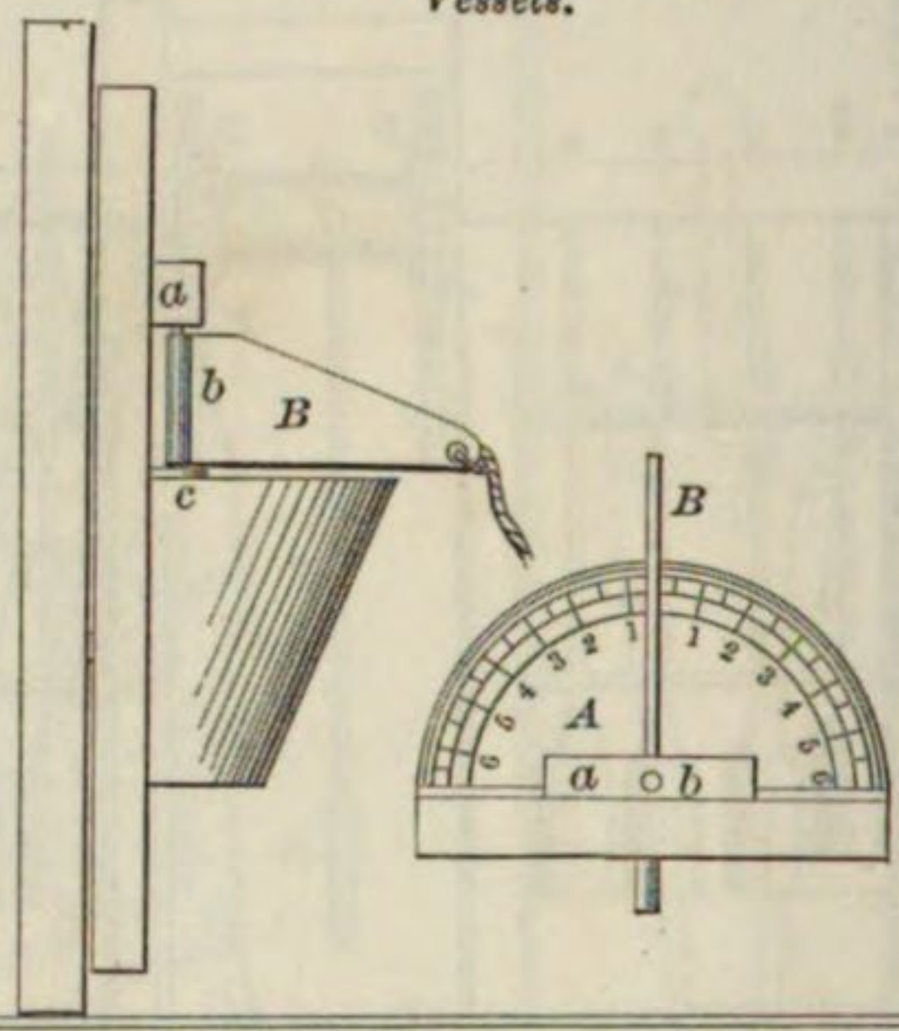
56001—W. Burnham—*Washing Machine.*



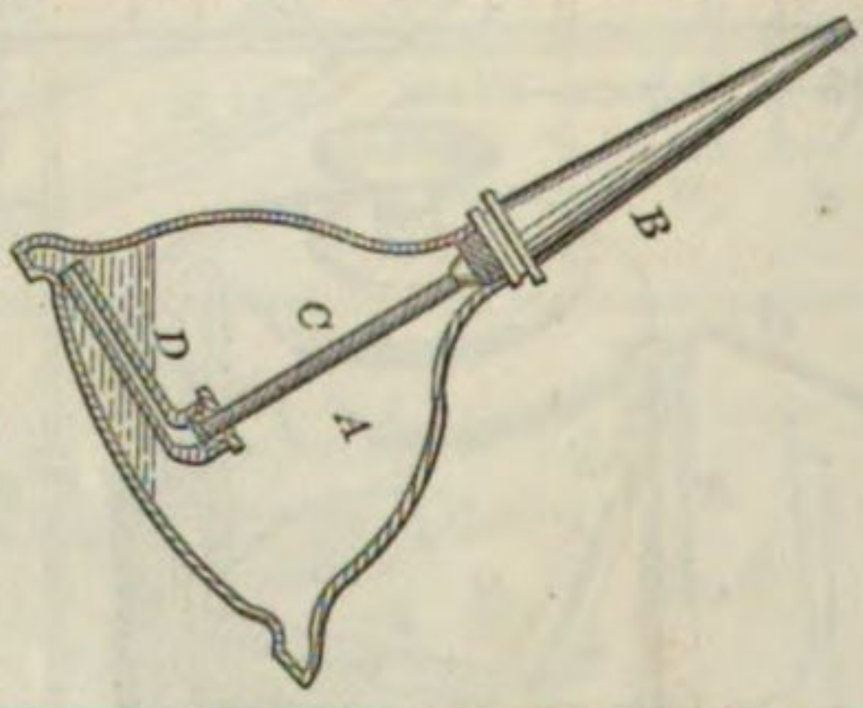
56002—E. Buss—*For Raising Bread.*



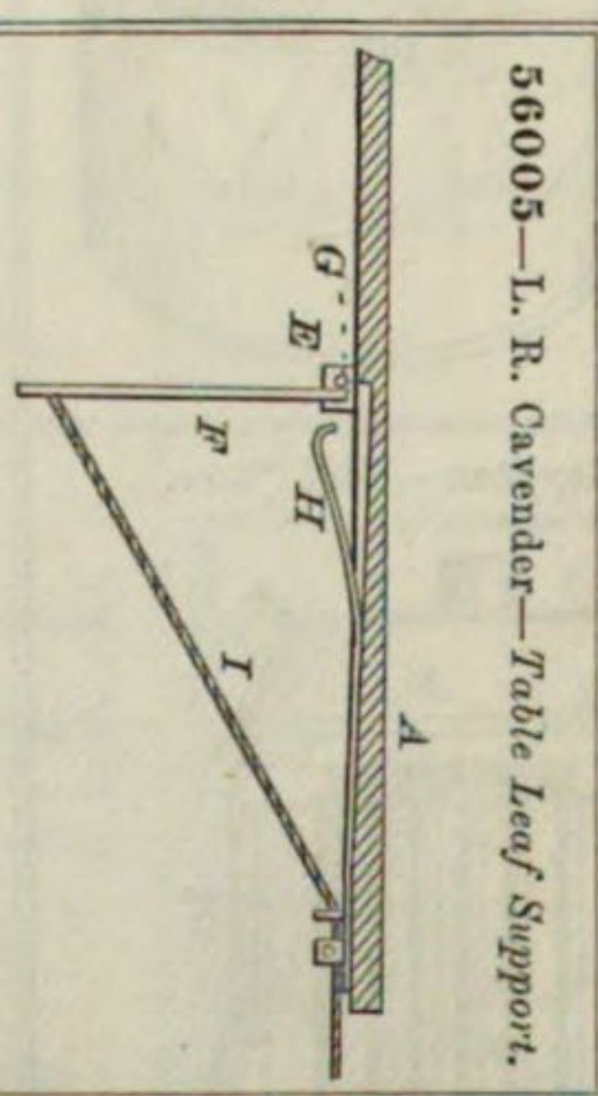
56003—T. Byrne—*Leeway Indicator for Vessels.*



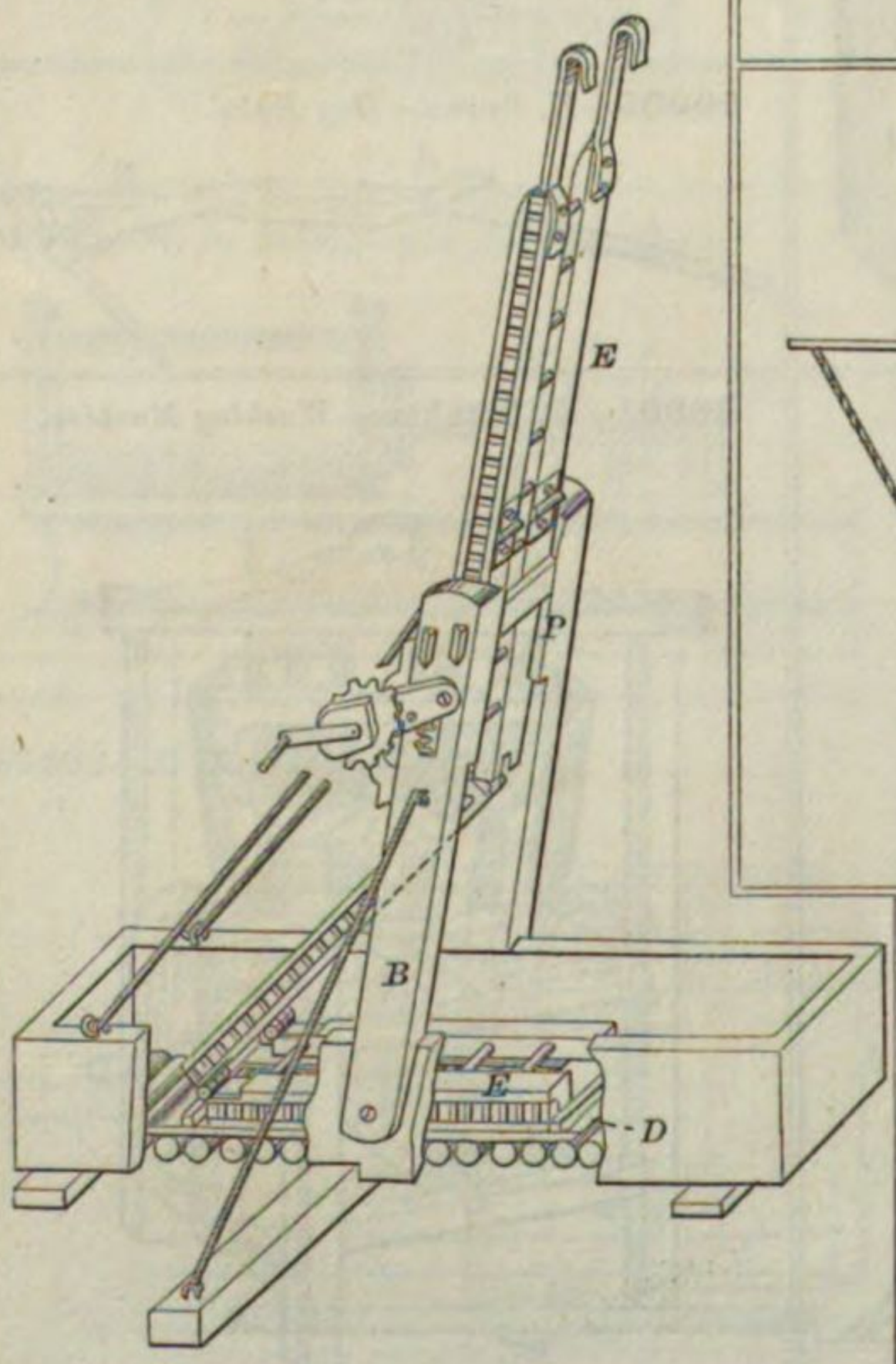
56004—G. J. Capewell—*Oiler.*



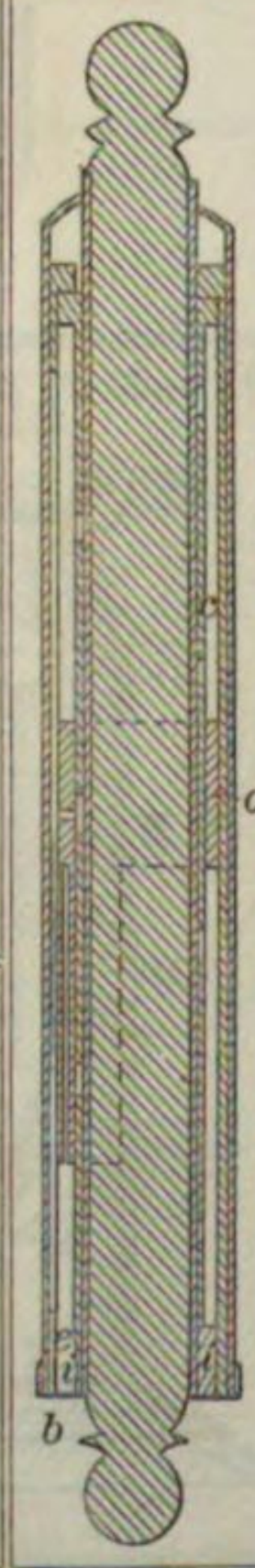
56005—L. R. Cavender—*Table Leaf Support.*



56006—J. A. Chambers—*Fire Escape.*

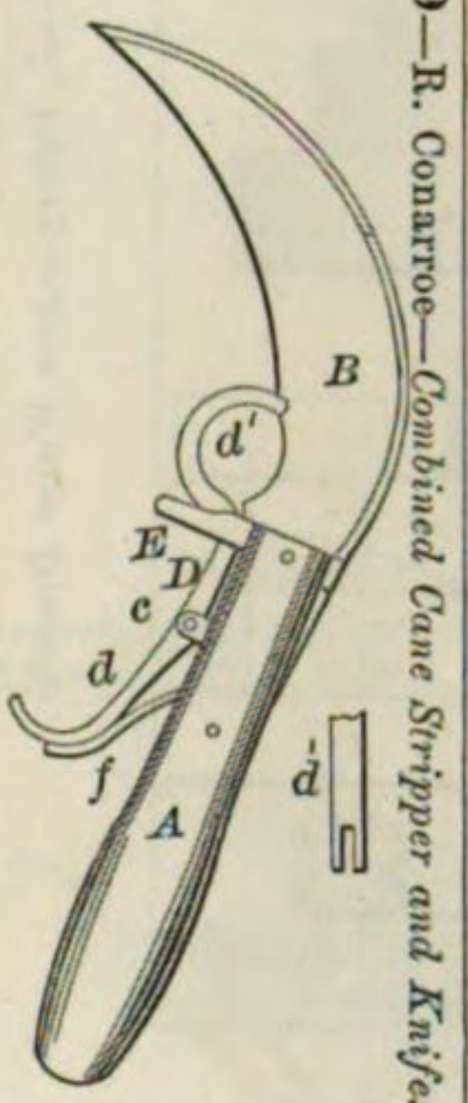


56007—J. M. Clarke—*Pen and Pencil Holder.*

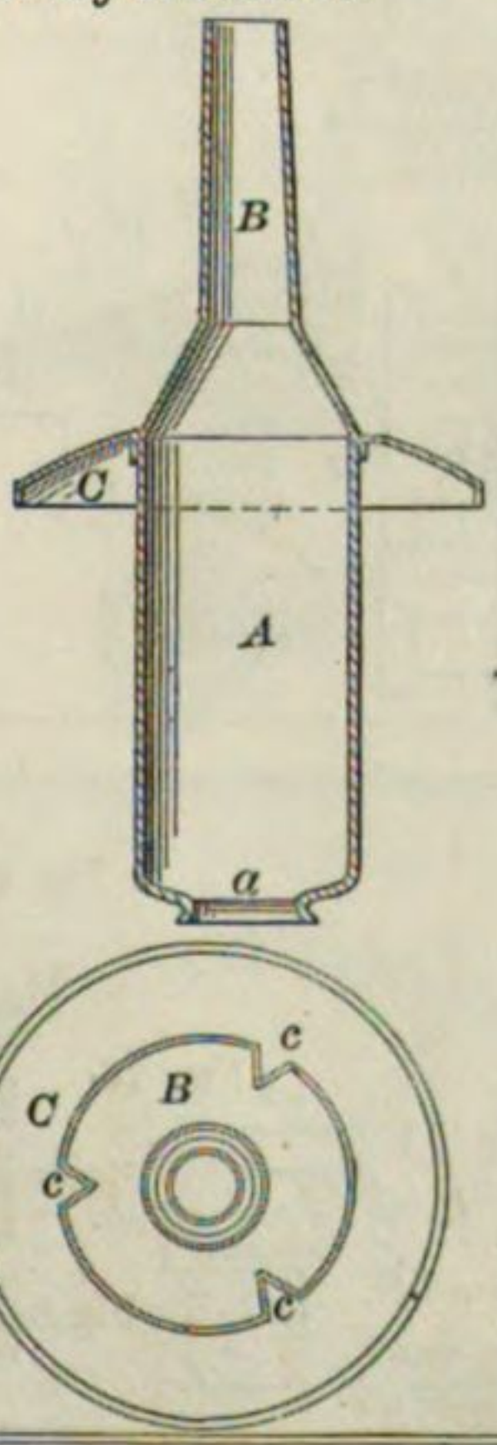


56008—S. Clarke—*Bed Bug Protector.*

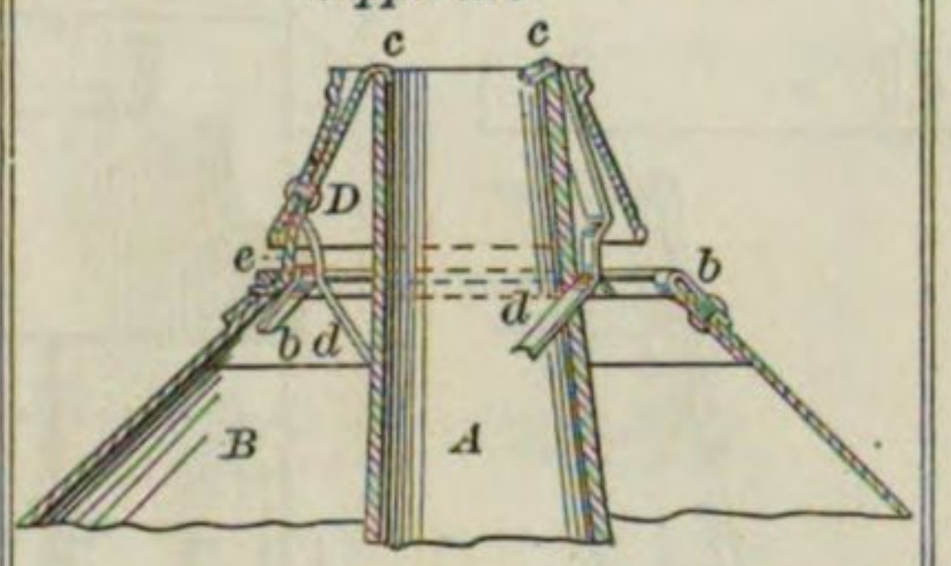
56009—R. Conarroe—*Combined Cane Stripper and Knife.*



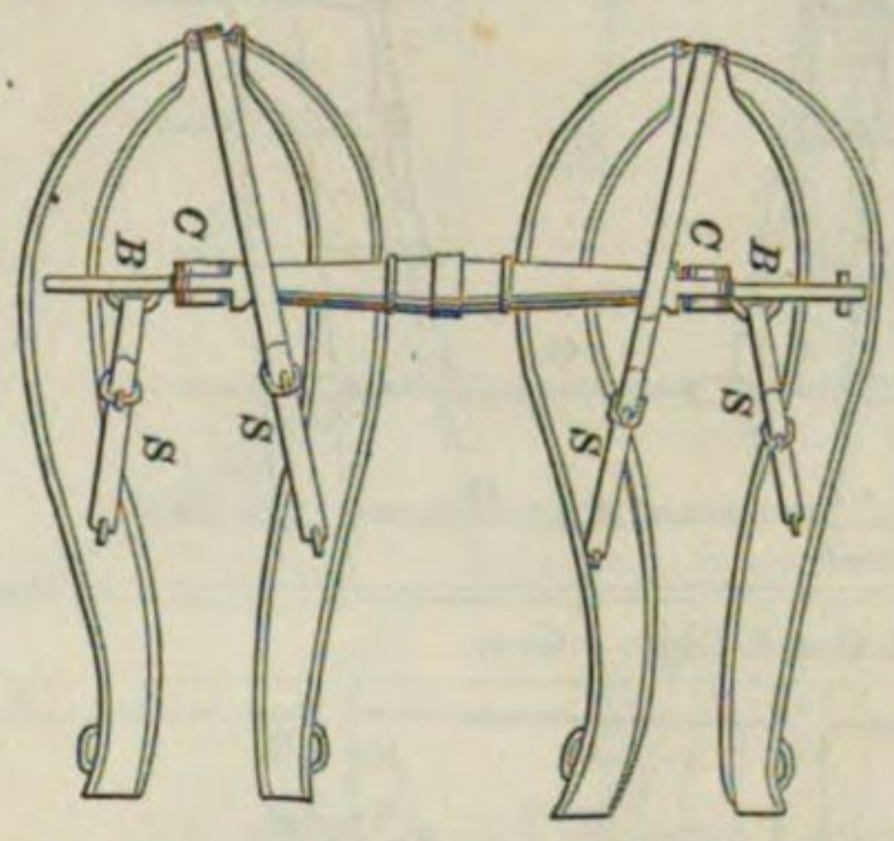
56010—J. H. Connelly—*Lamp Chimney and Shade.*



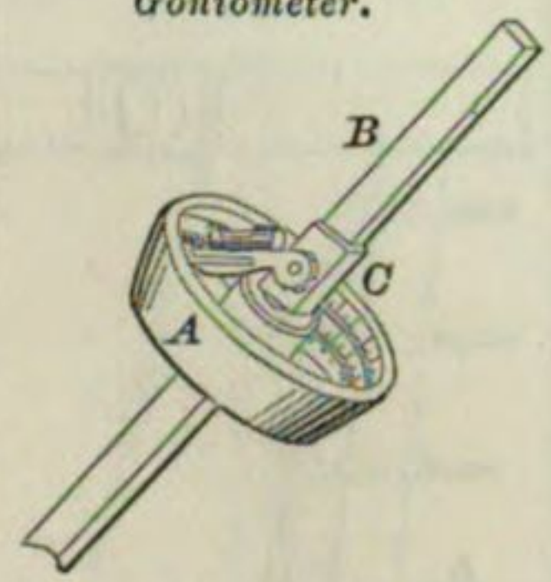
56011—J. H. Connelly—*Lamp Shade Supporter.*



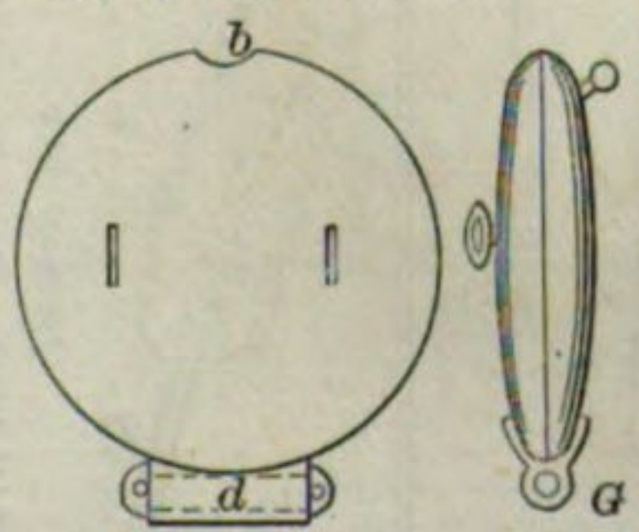
56012—C. W. Conolly—*Draft Attachment.*



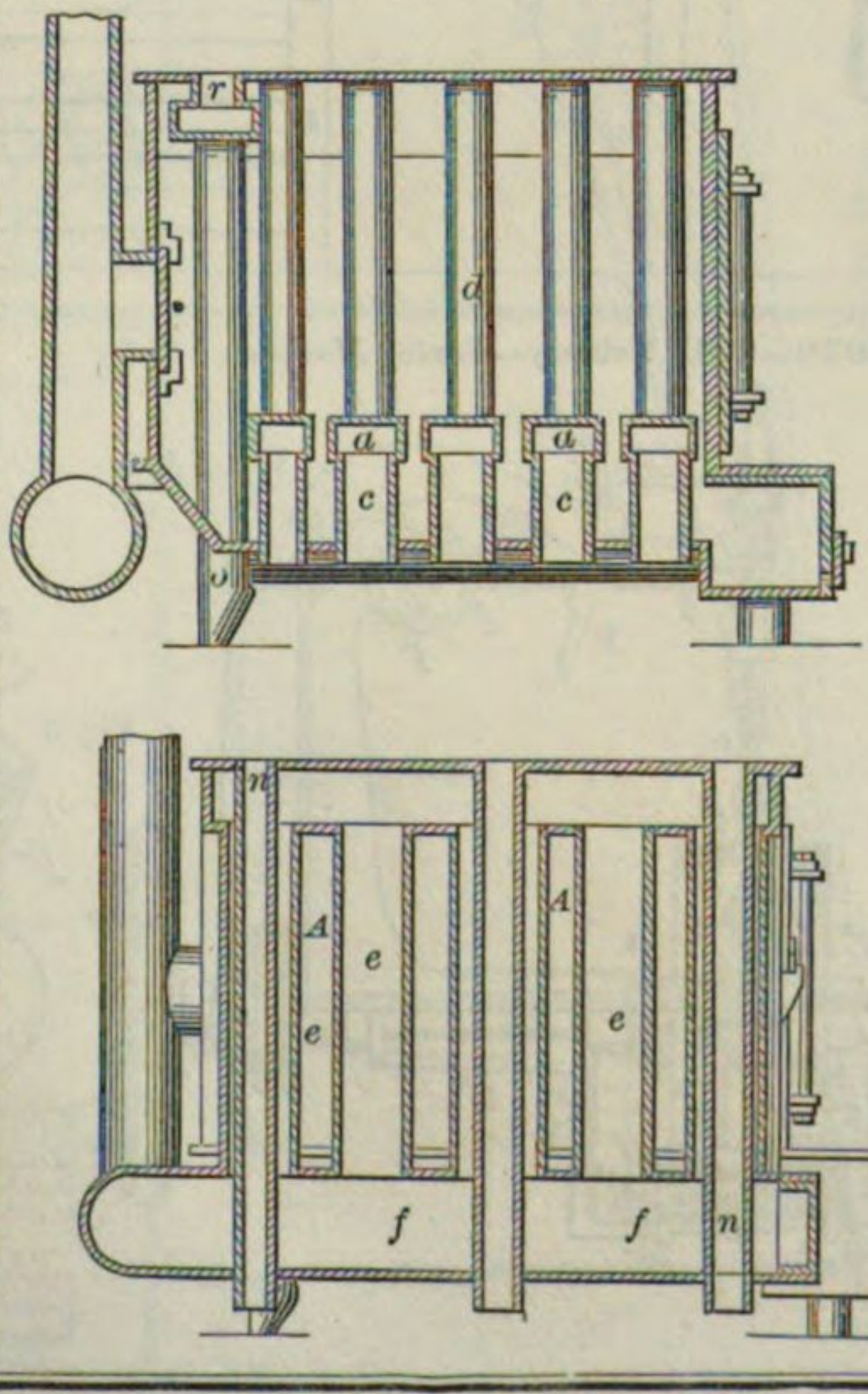
56013—W. W. Cooper—*Goniometer.*



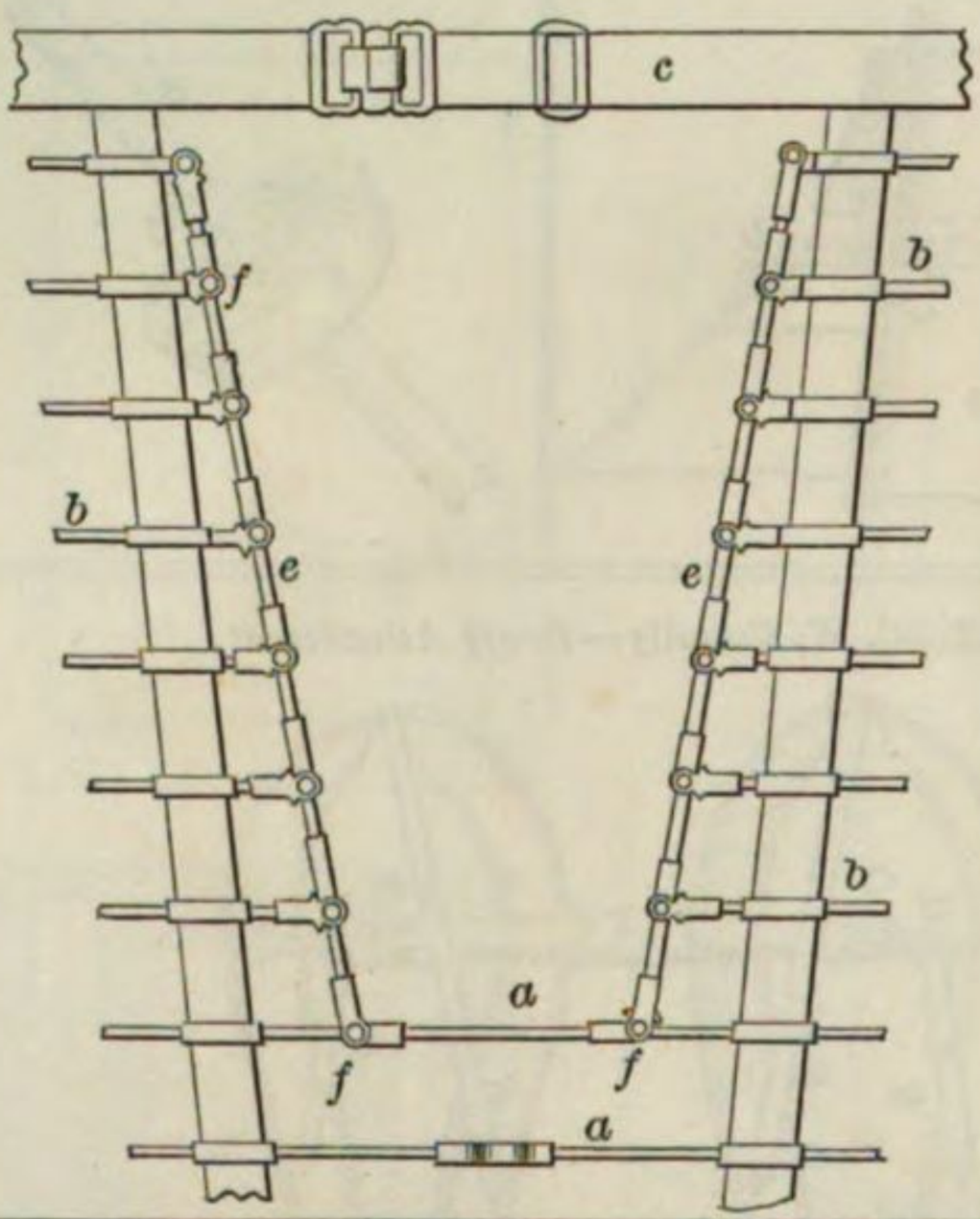
56014—W. W. Covell, Jr.—*Safety Watch Pocket.*



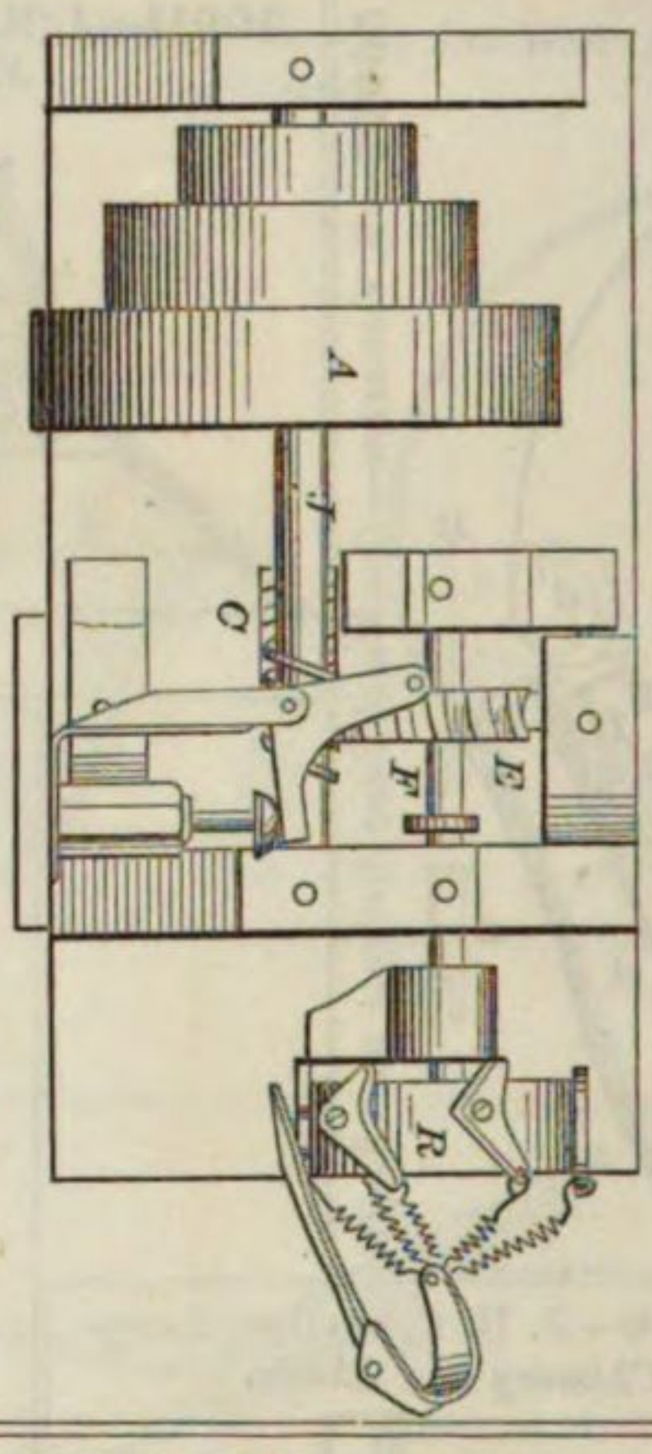
56015—D. M. Cummings—*Heating Stove.*



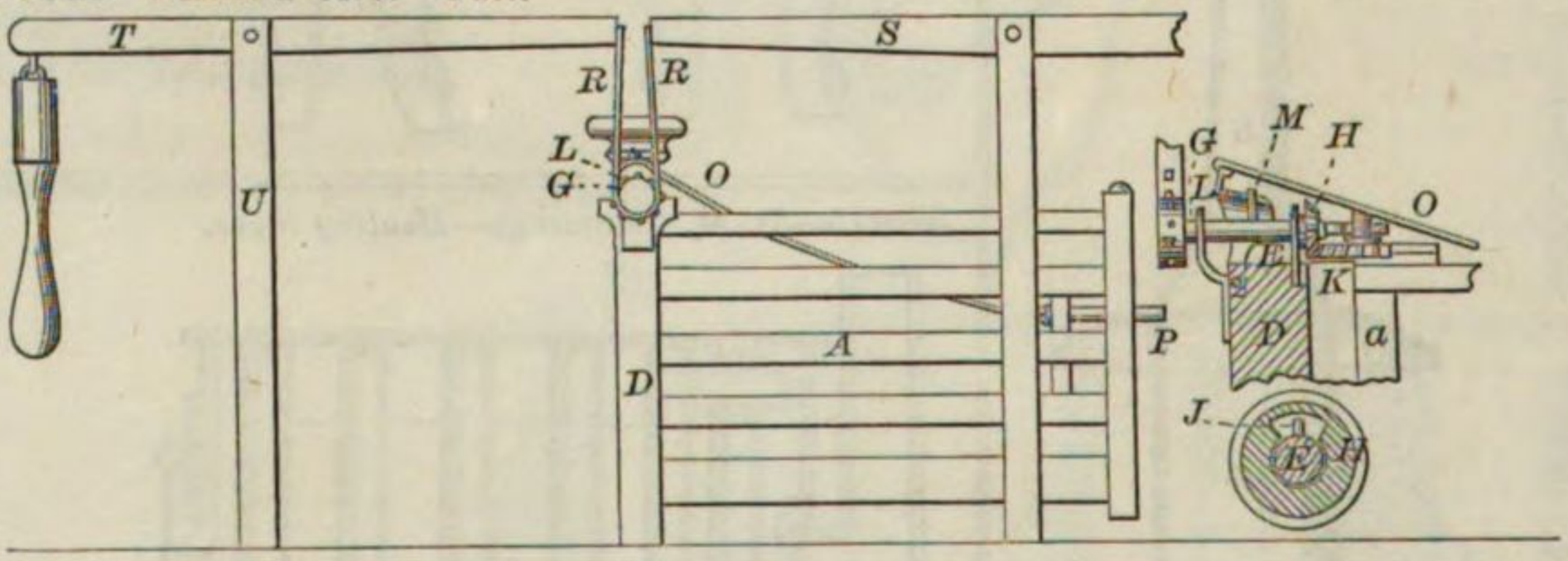
56016—T. D. Day—*Hoop Skirt.*



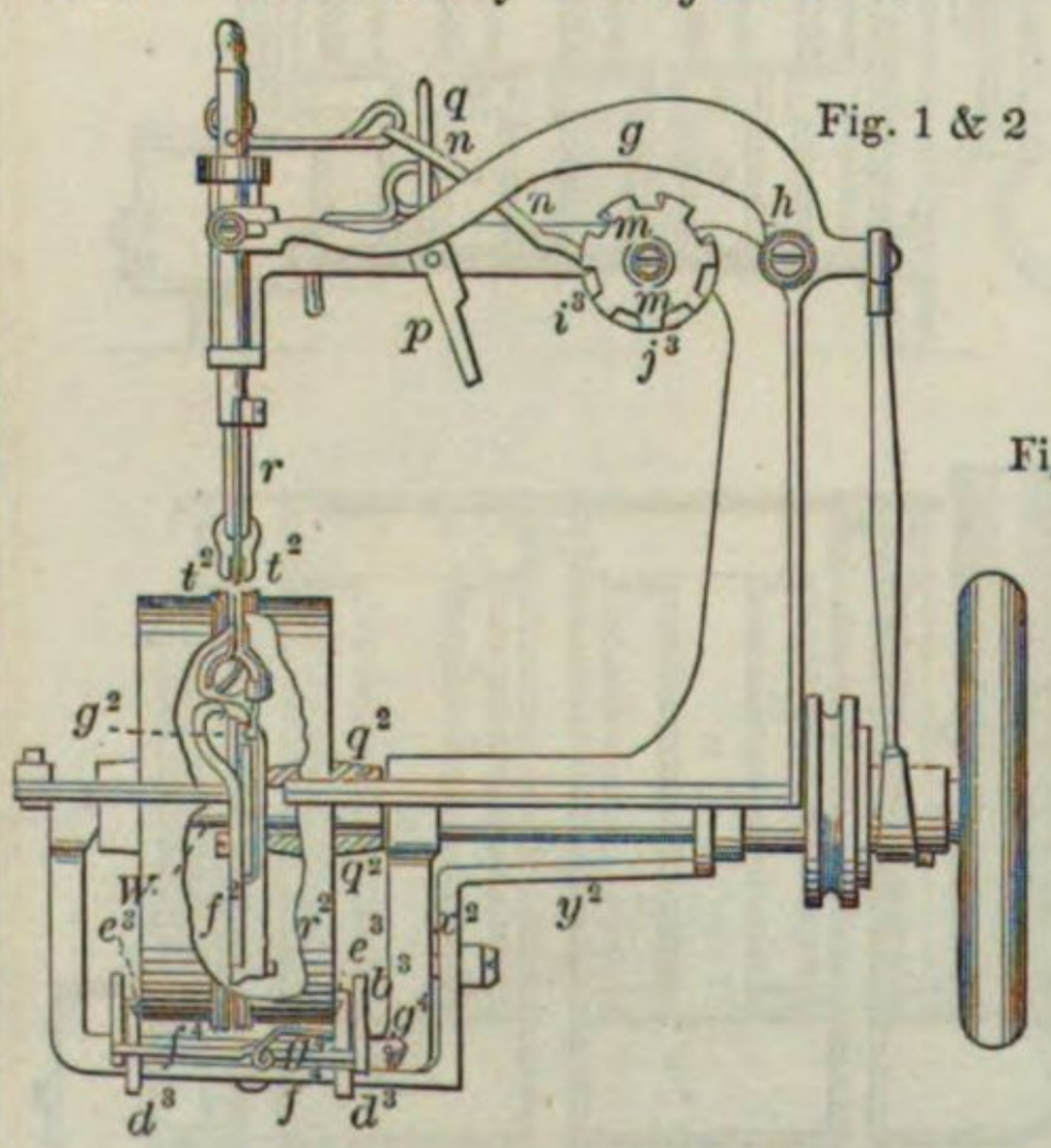
56017—J. Delery—*Low Water Detector.*

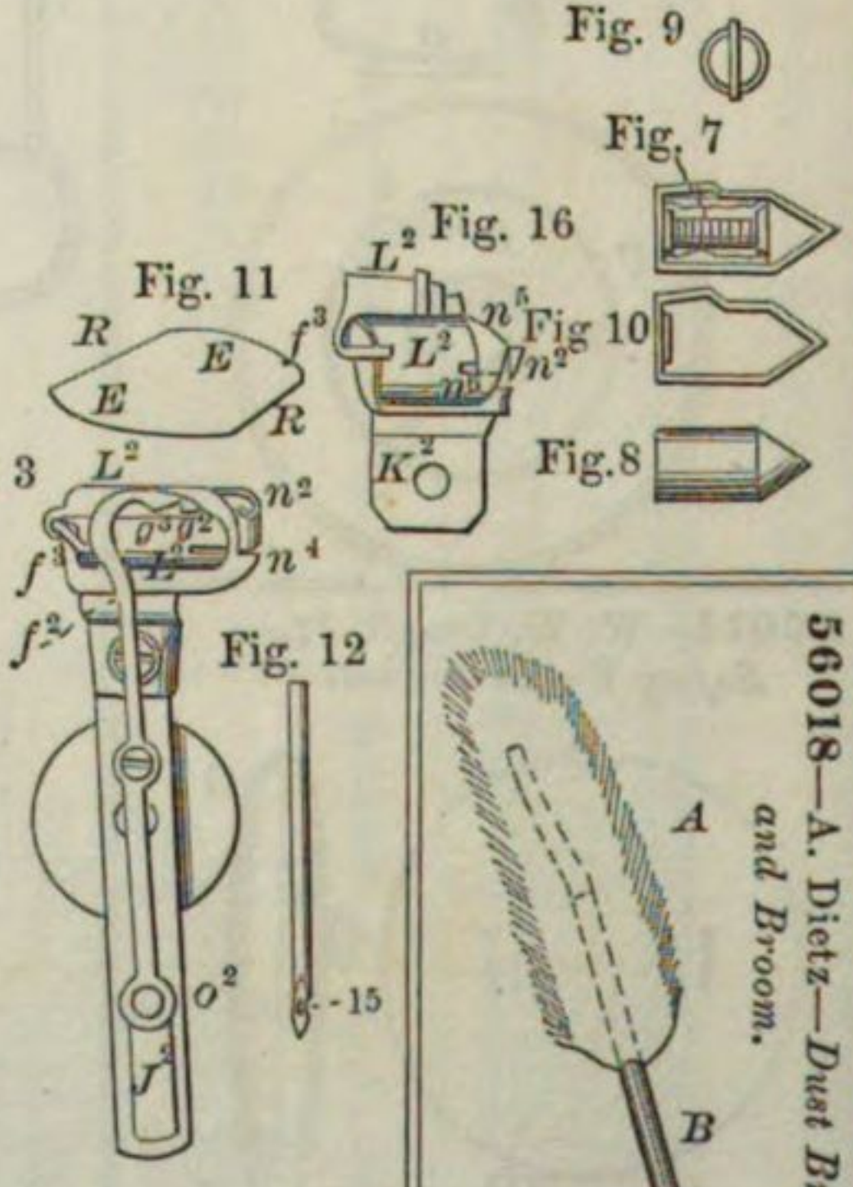


56019—Dixon & Close—*Gate.*

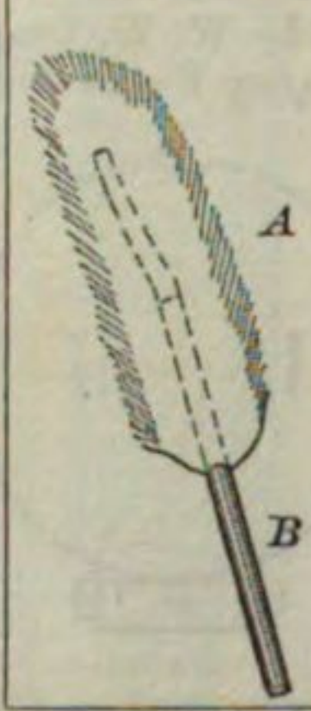


56020—G. L. Dulaney—*Sewing Machine.*

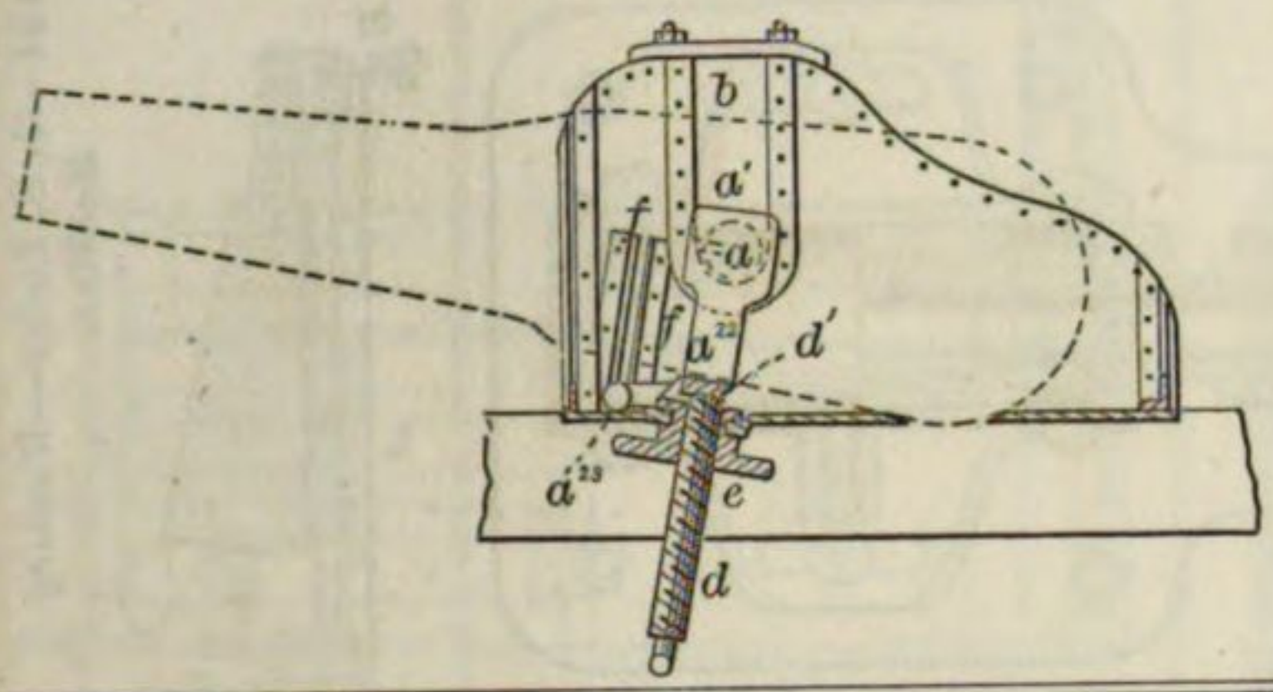




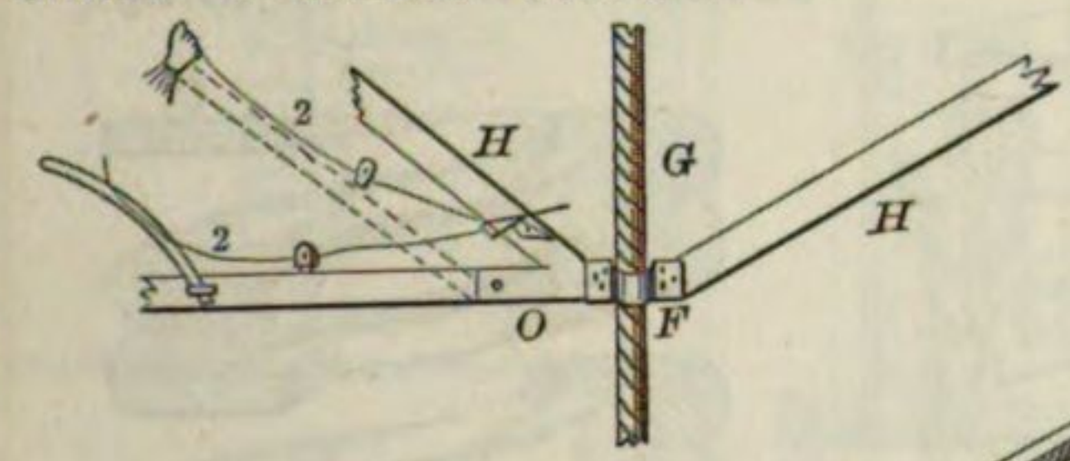
56018—A. Dietz—*Dust Brush and Broom.*

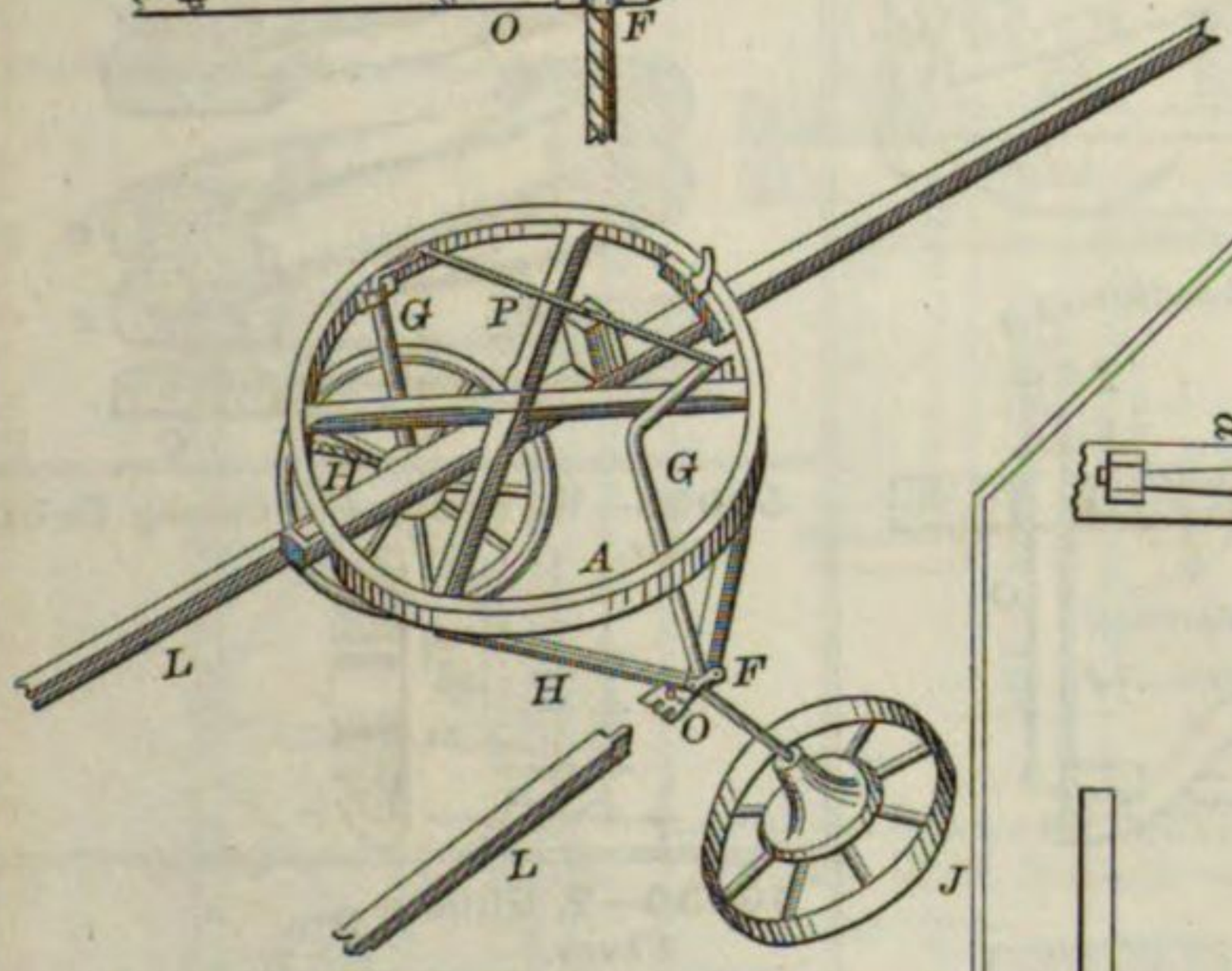


56021—J. B. Eads—*Operatiny Ordnance.*

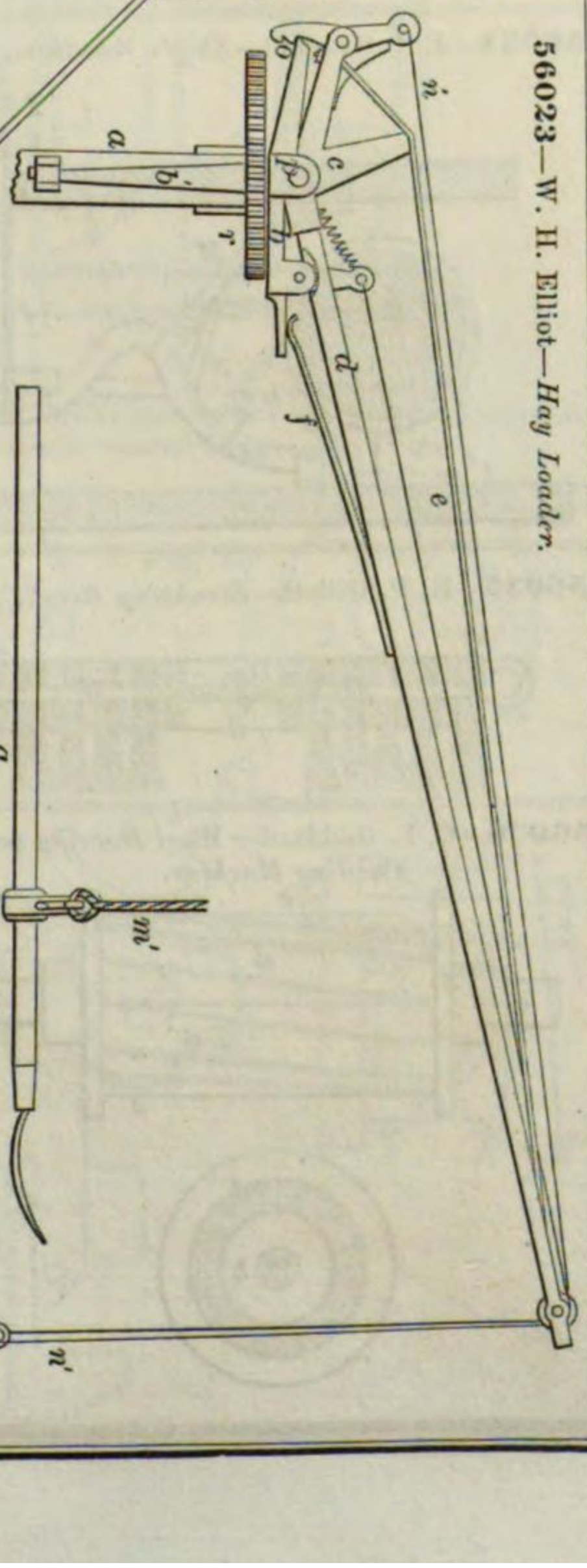


56022—T. E. Ellett—*Cultivator.*

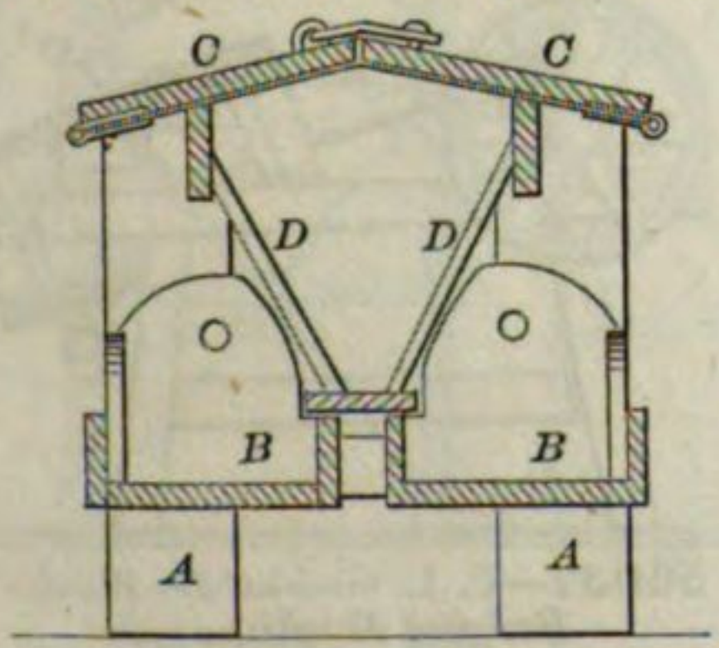




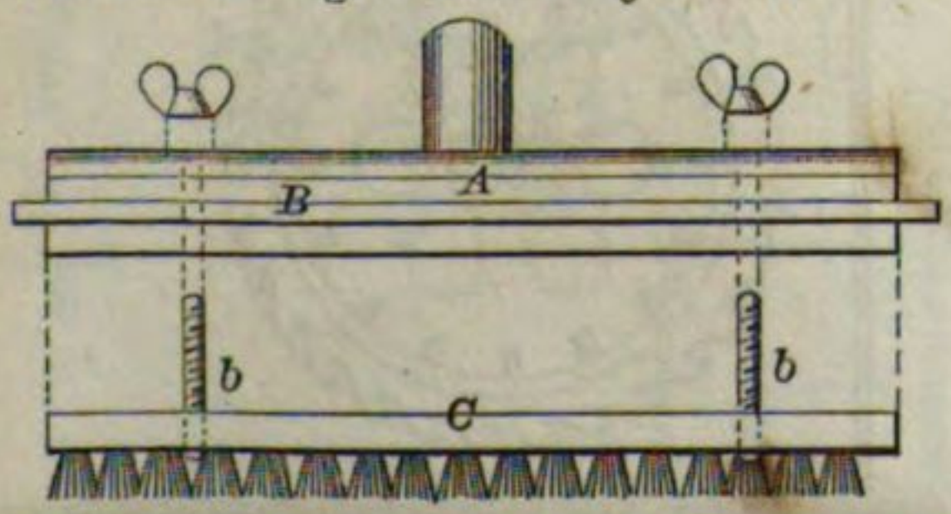
56023—W. H. Elliot—*Hay Loader.*



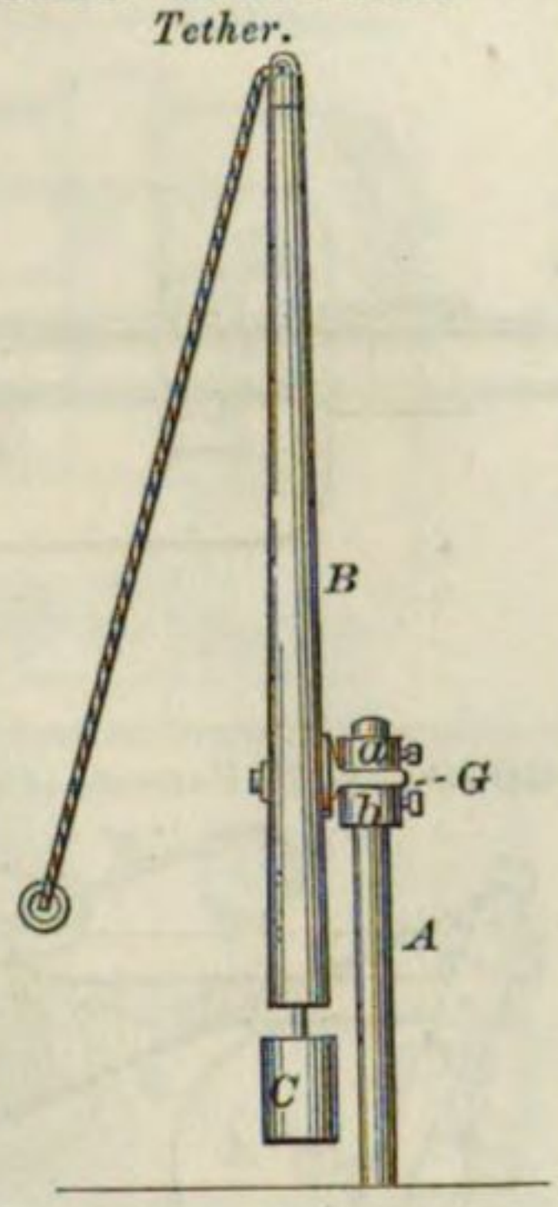
56024—M. S. Every—*Sheep Feeding Rack.*



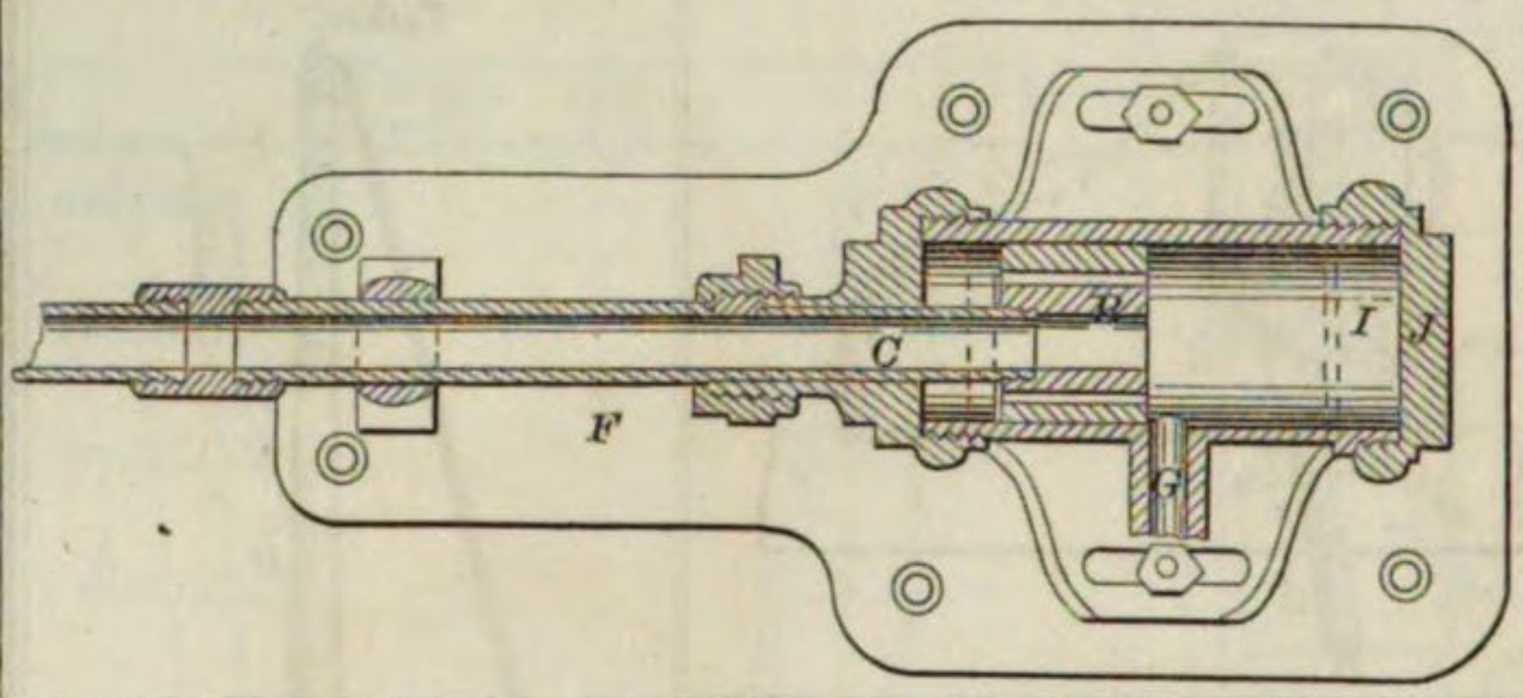
56025—B. Figer—*Scrubbing Brush.*



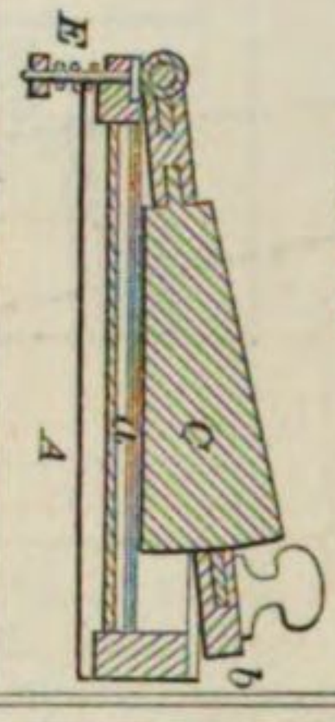
56028—H. L. Folsom—*Tether.*



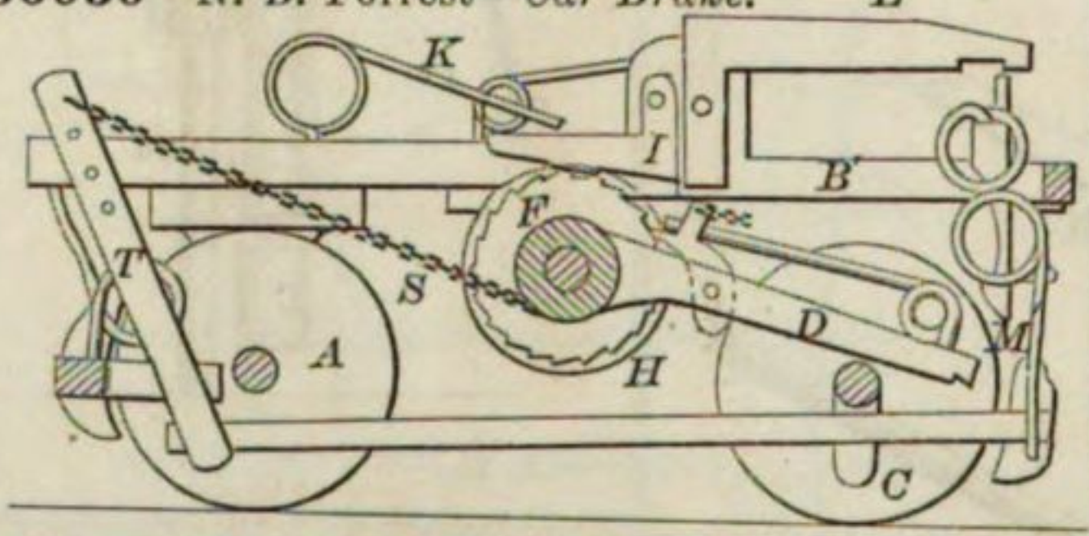
56029—A. M. Force—*Steam Trap.*



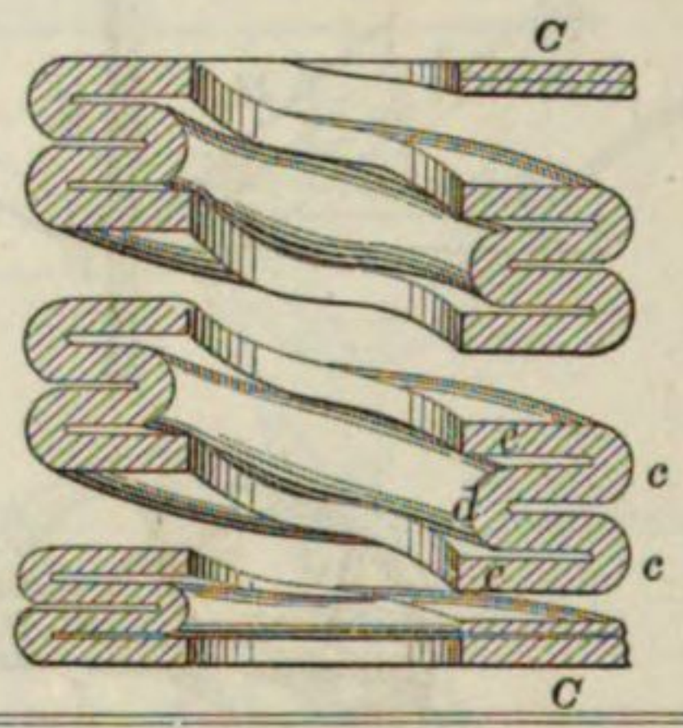
56031—G. S. Foster—*Washing Machine.*



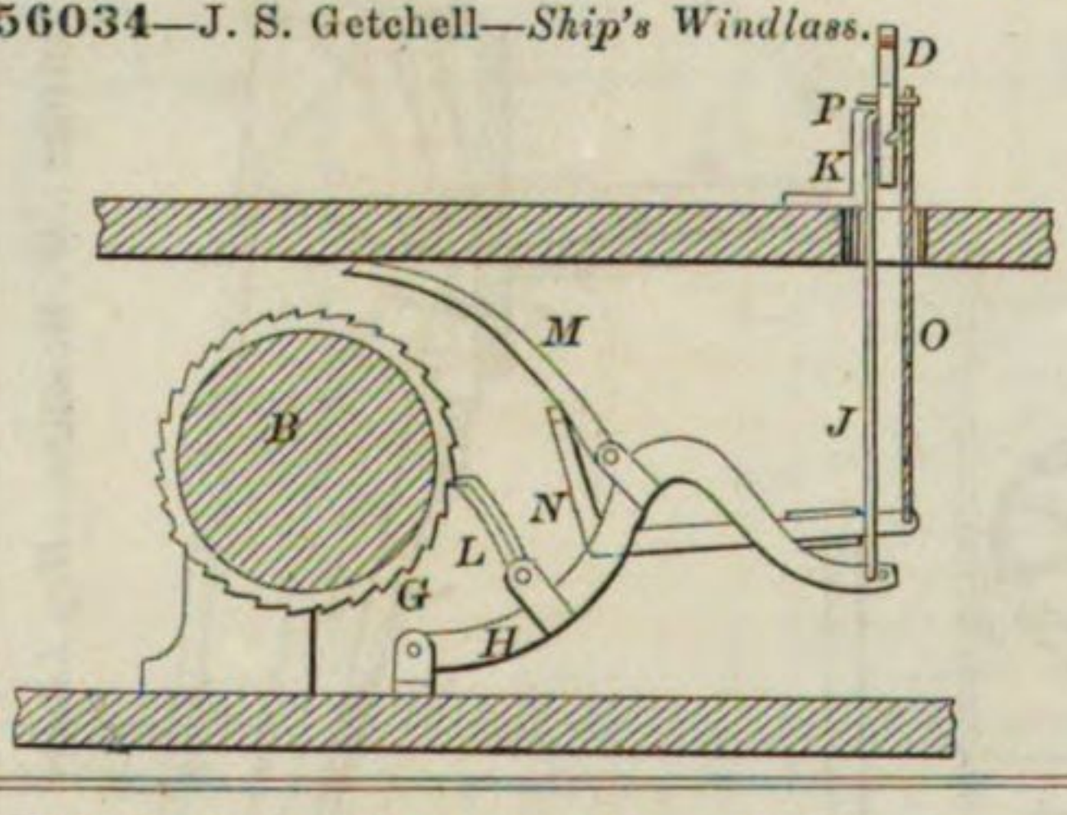
56030—N. B. Forrest—*Car Brake.*



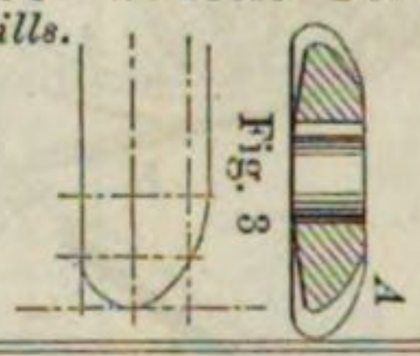
56032—C. French—*Car Spring.*



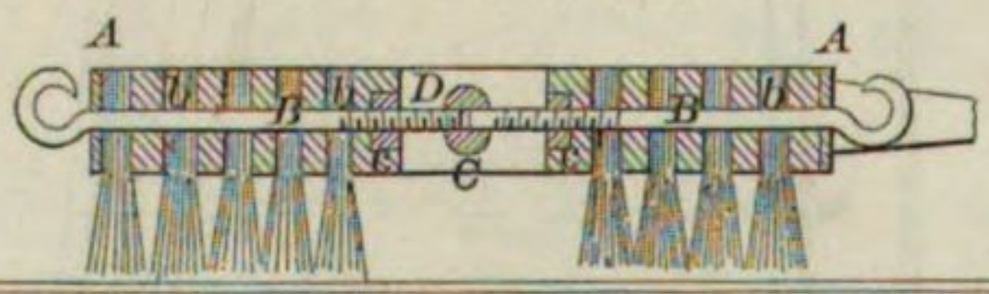
56034—J. S. Getchell—*Ship's Windlass.*



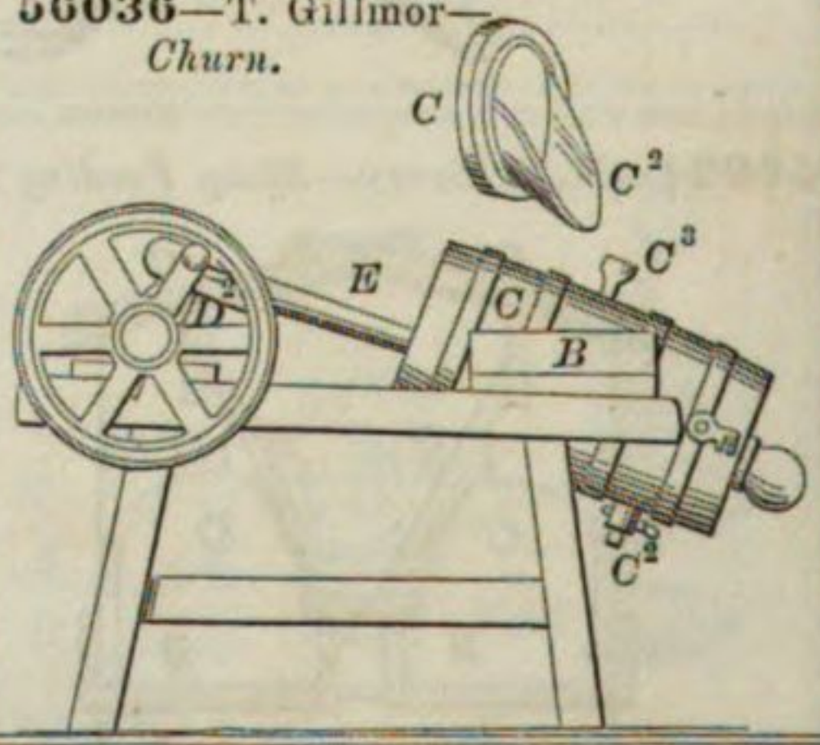
56033—W. Frost—*For Cutting Twist Drills.*



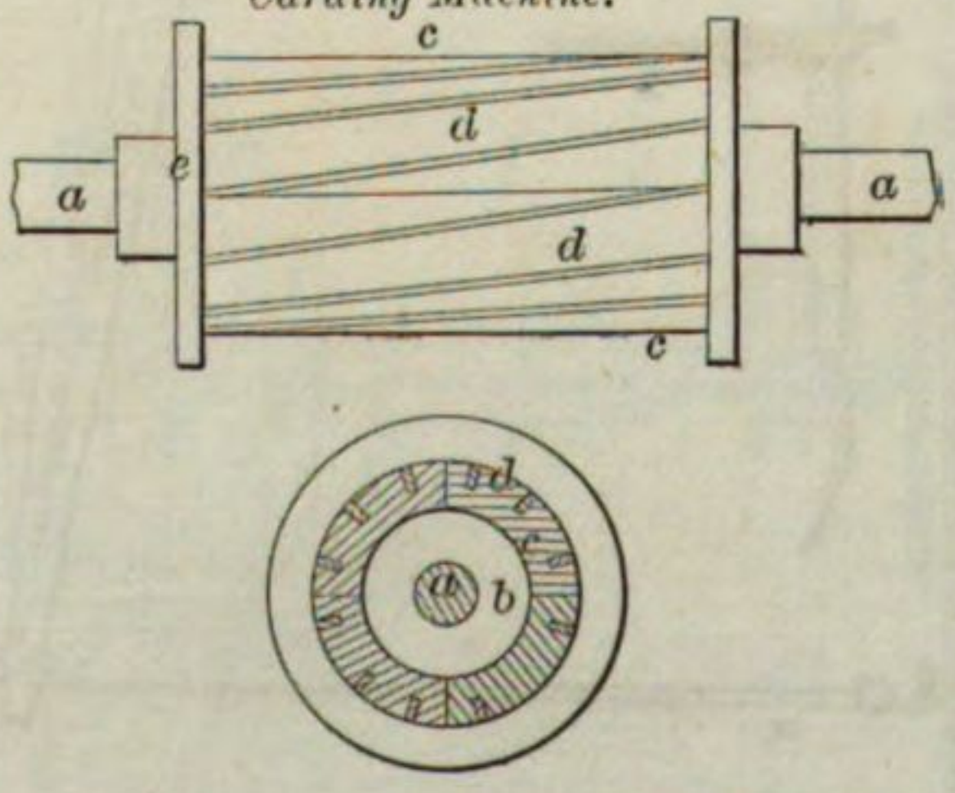
56035—R. P. Gillett—*Scrubbing Brush.*



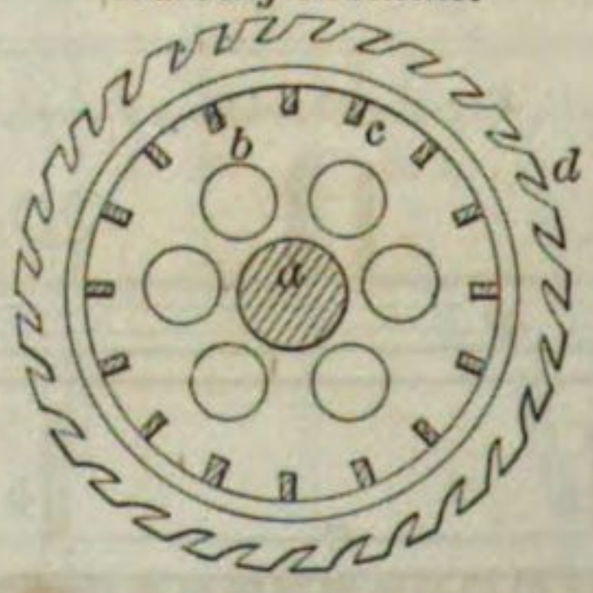
56036—T. Gillmor—*Churn.*



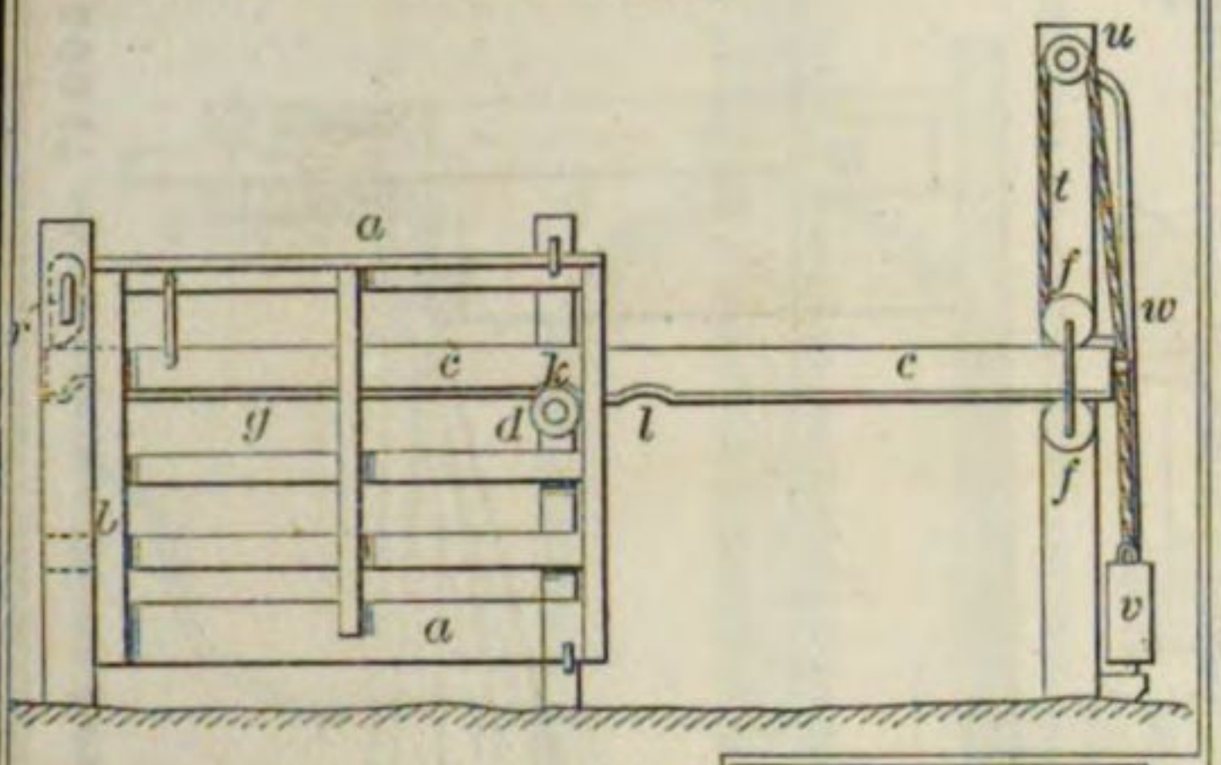
56038—C. L. Goddard—*Wool Burring and Carding Machine.*



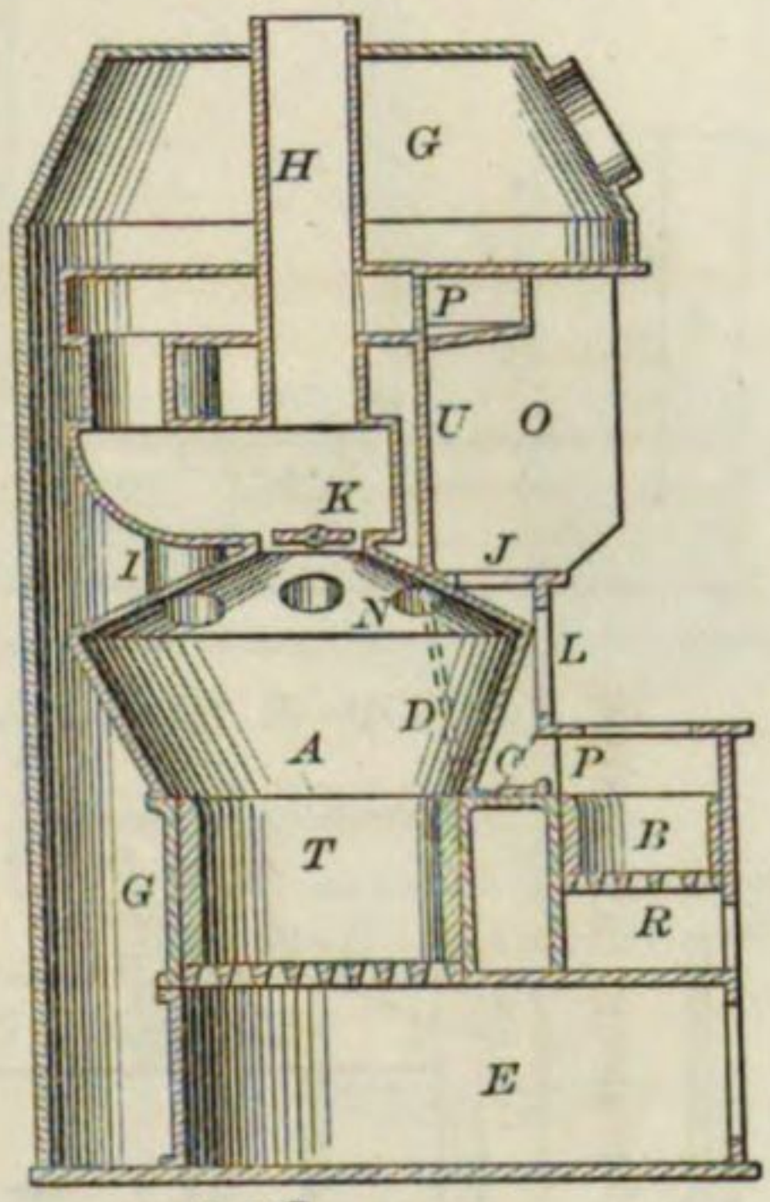
56037—C. L. Goddard—*Wool Burring Machine.*



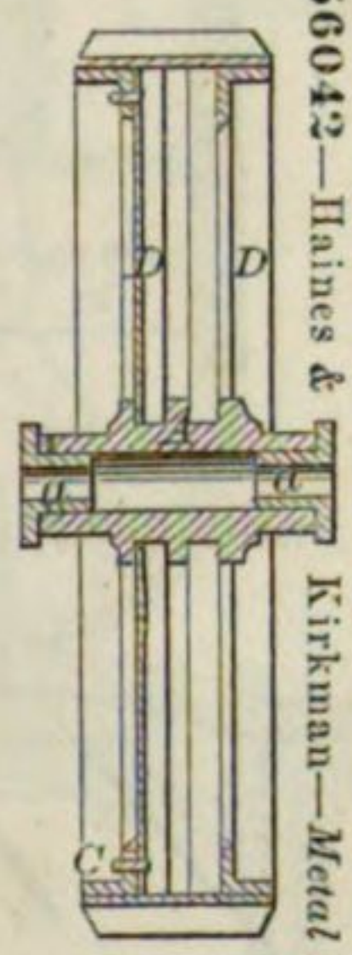
56039—J. H. Graves—*Gate.*

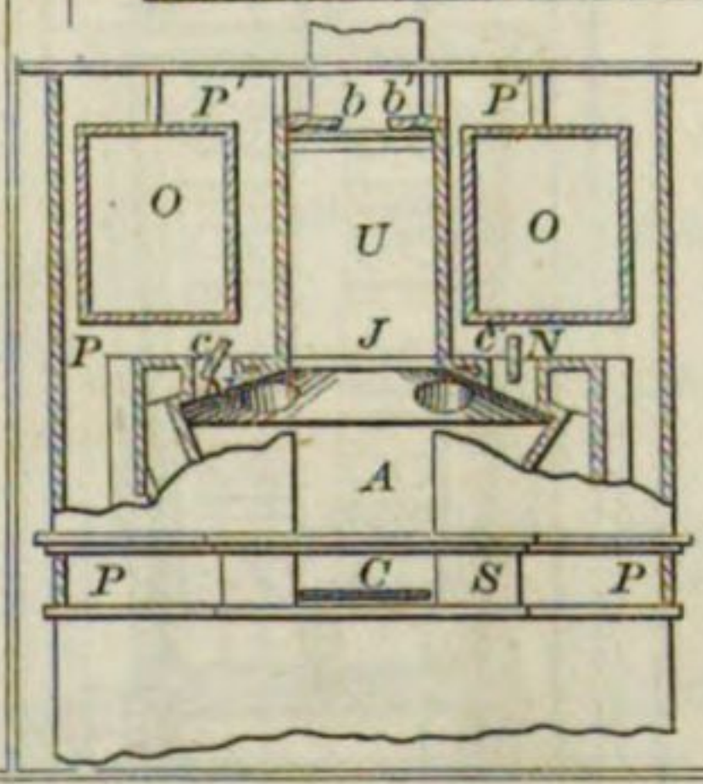


56041—W. A. Greene—*Combined Range and Furnace.*

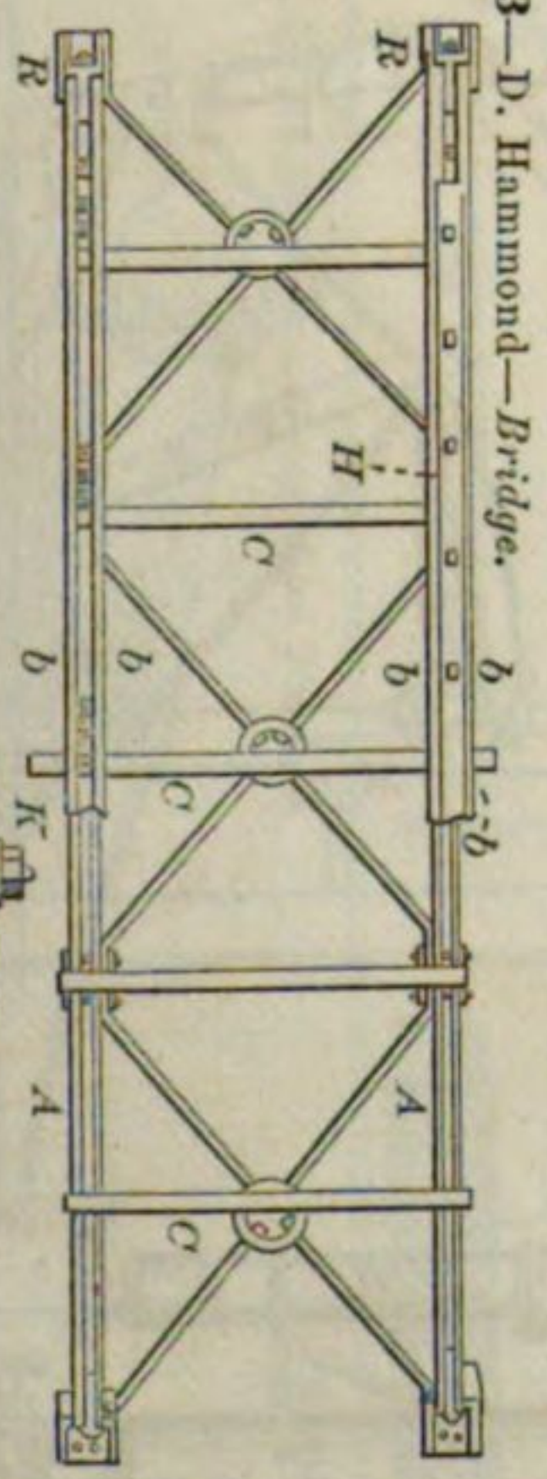


56042—Haines & Kirkman—*Metal Wheel.*





56043—D. Hammond—*Bridge.*



56045—R. F. Hatfield—*Steam Engine, Valve, &c*

Fig. 9 & 13

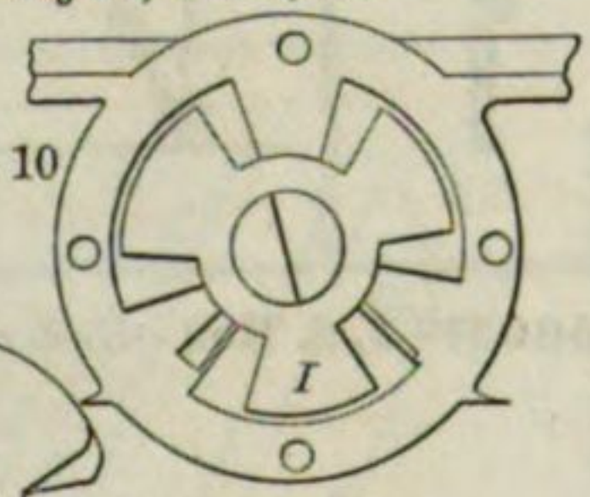


Fig. 10

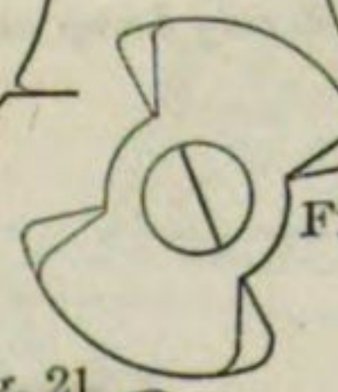


Fig. 14

Fig. 21

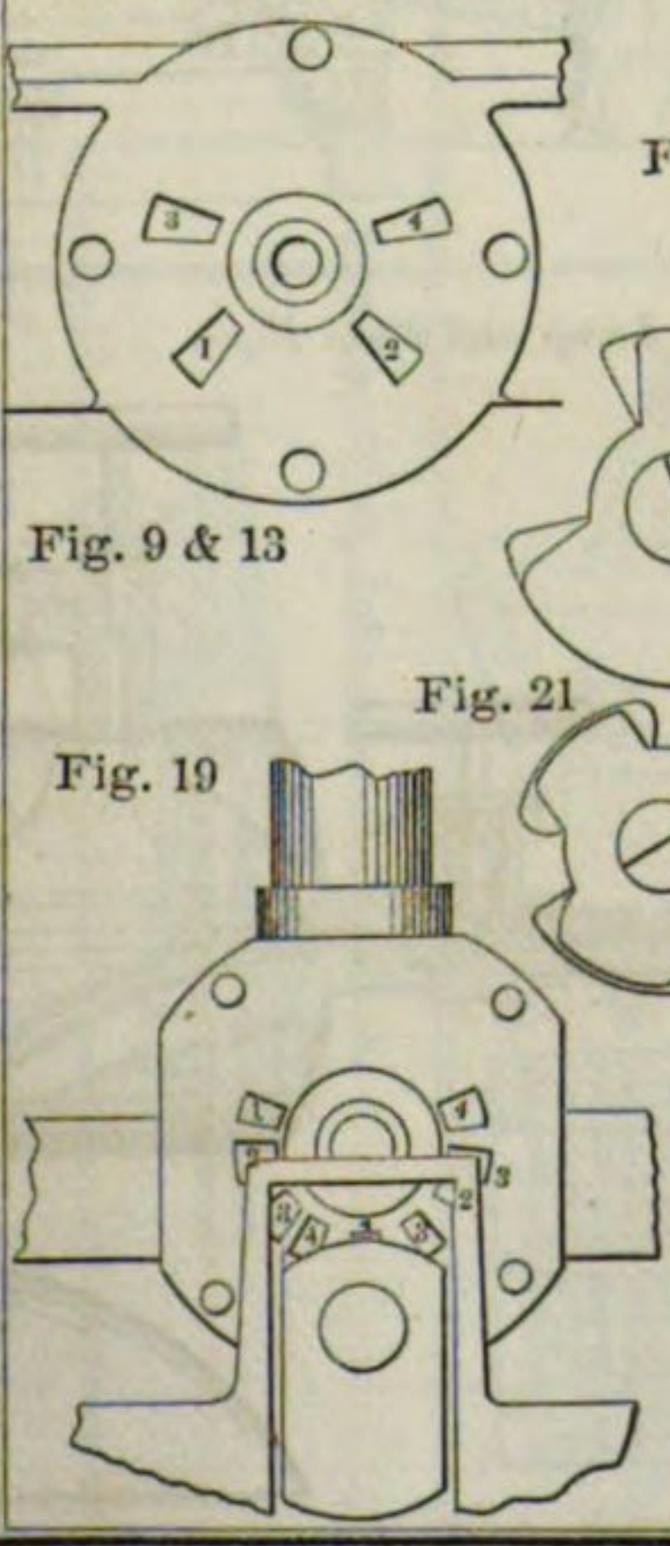
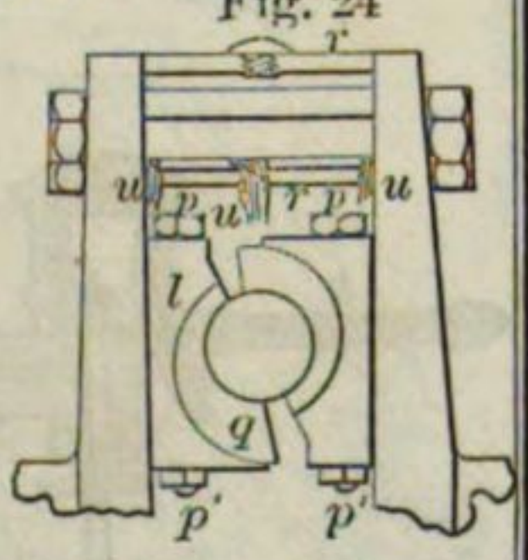
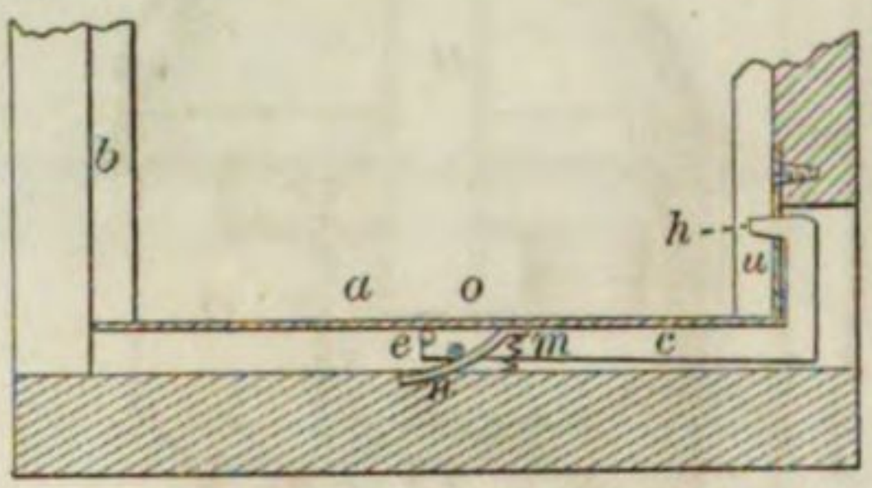


Fig. 19

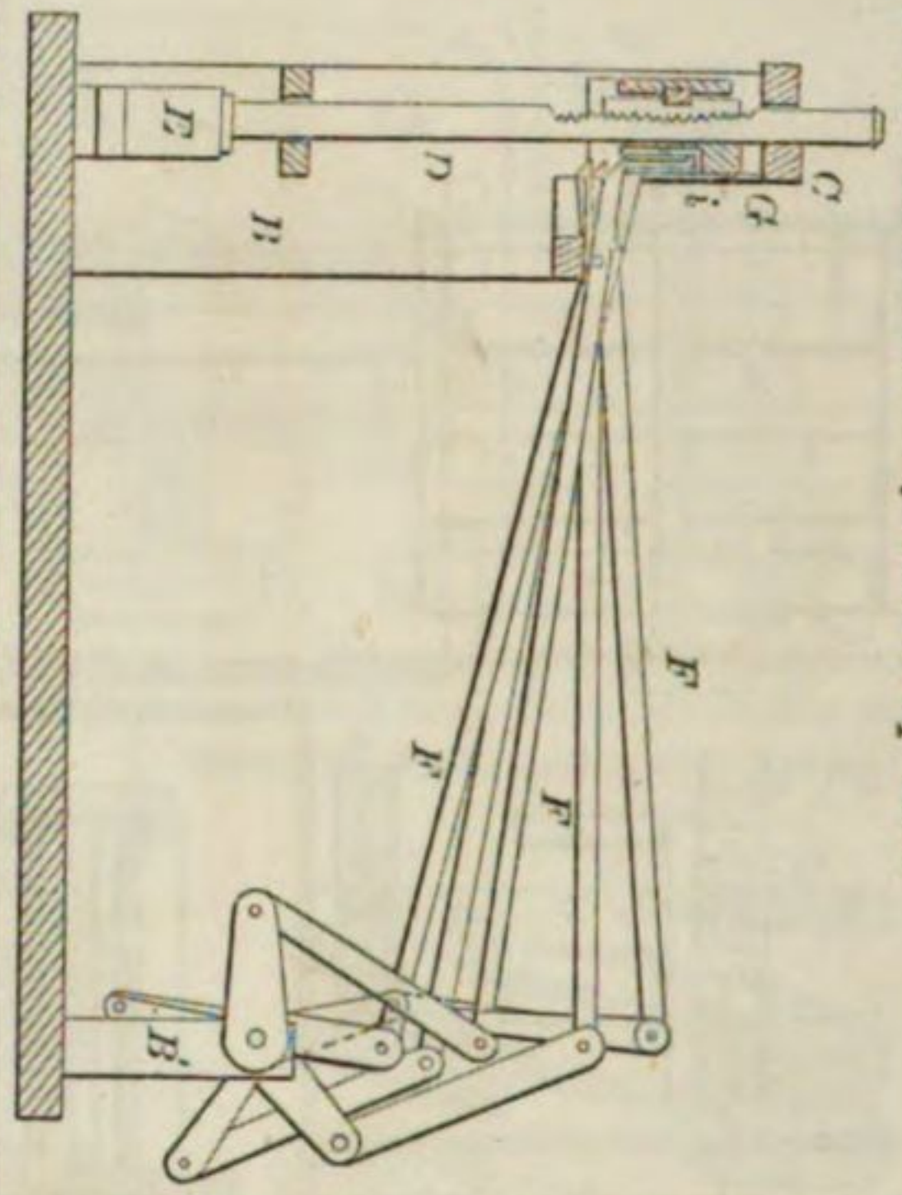
Fig. 24



56046—H. A. Hawkins— *Weather Strip.*

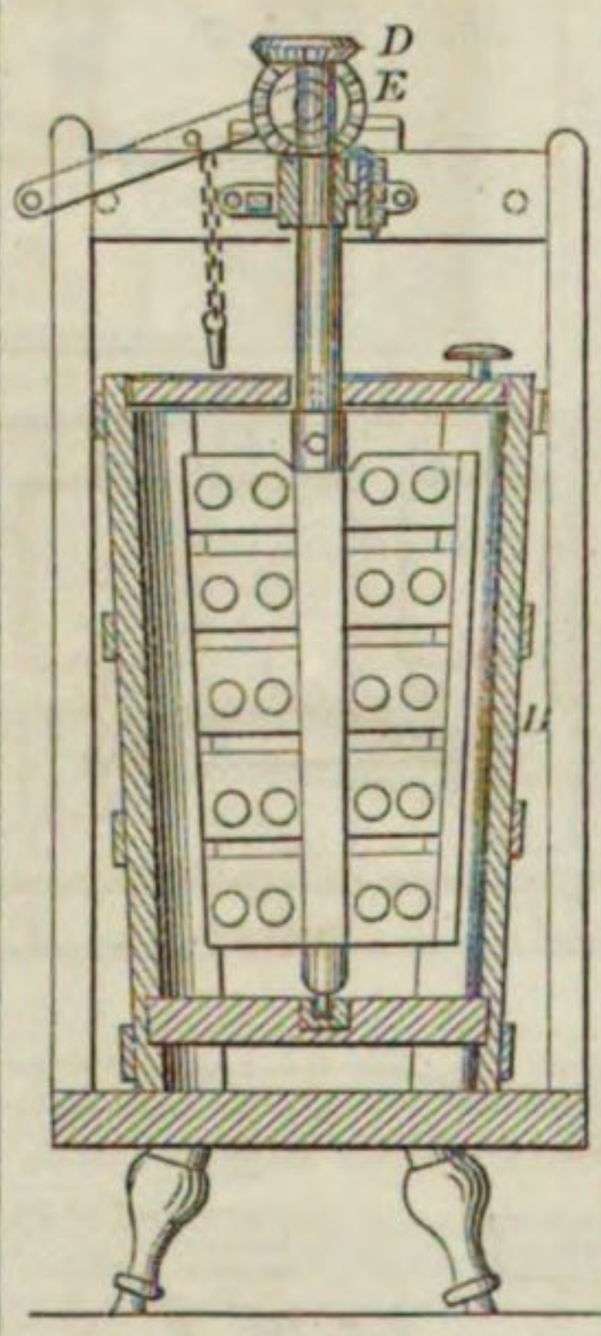


56047—A. Herdlein—*Quartz Stamp Mill.*

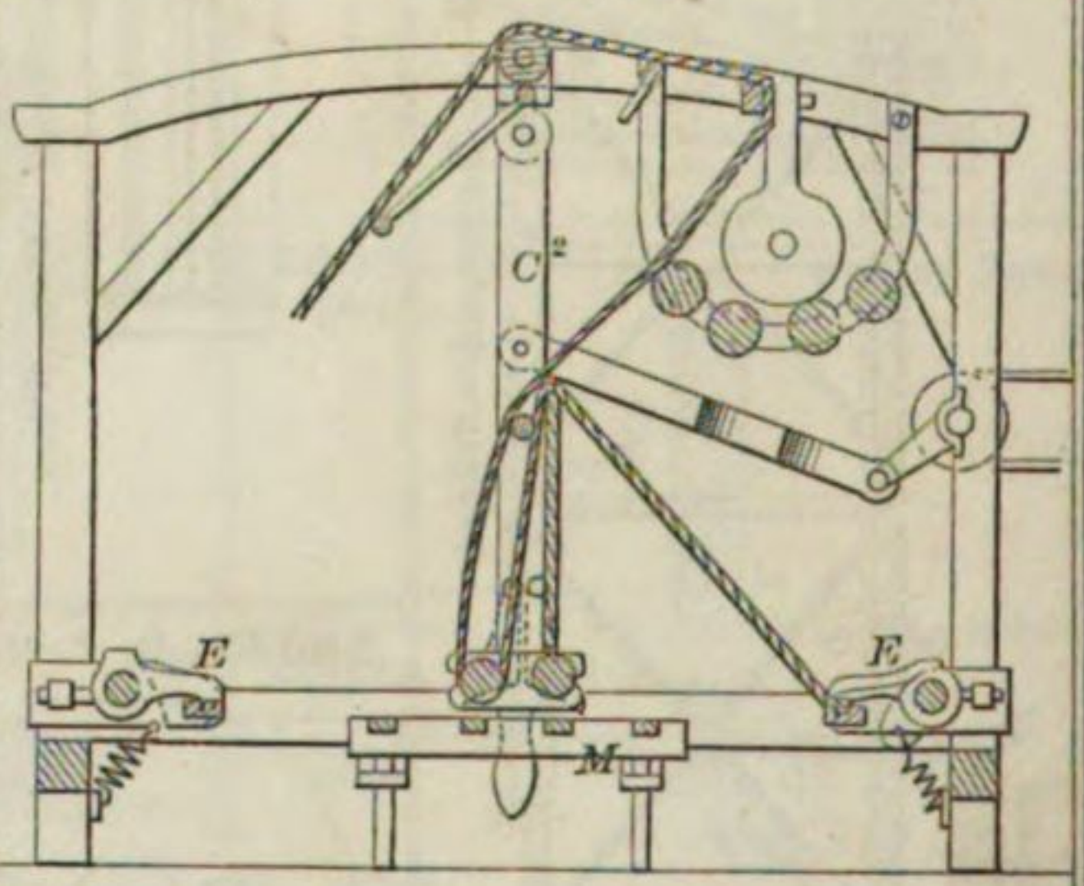


56049—W. Hindhaugh—*Safety Pocket.*

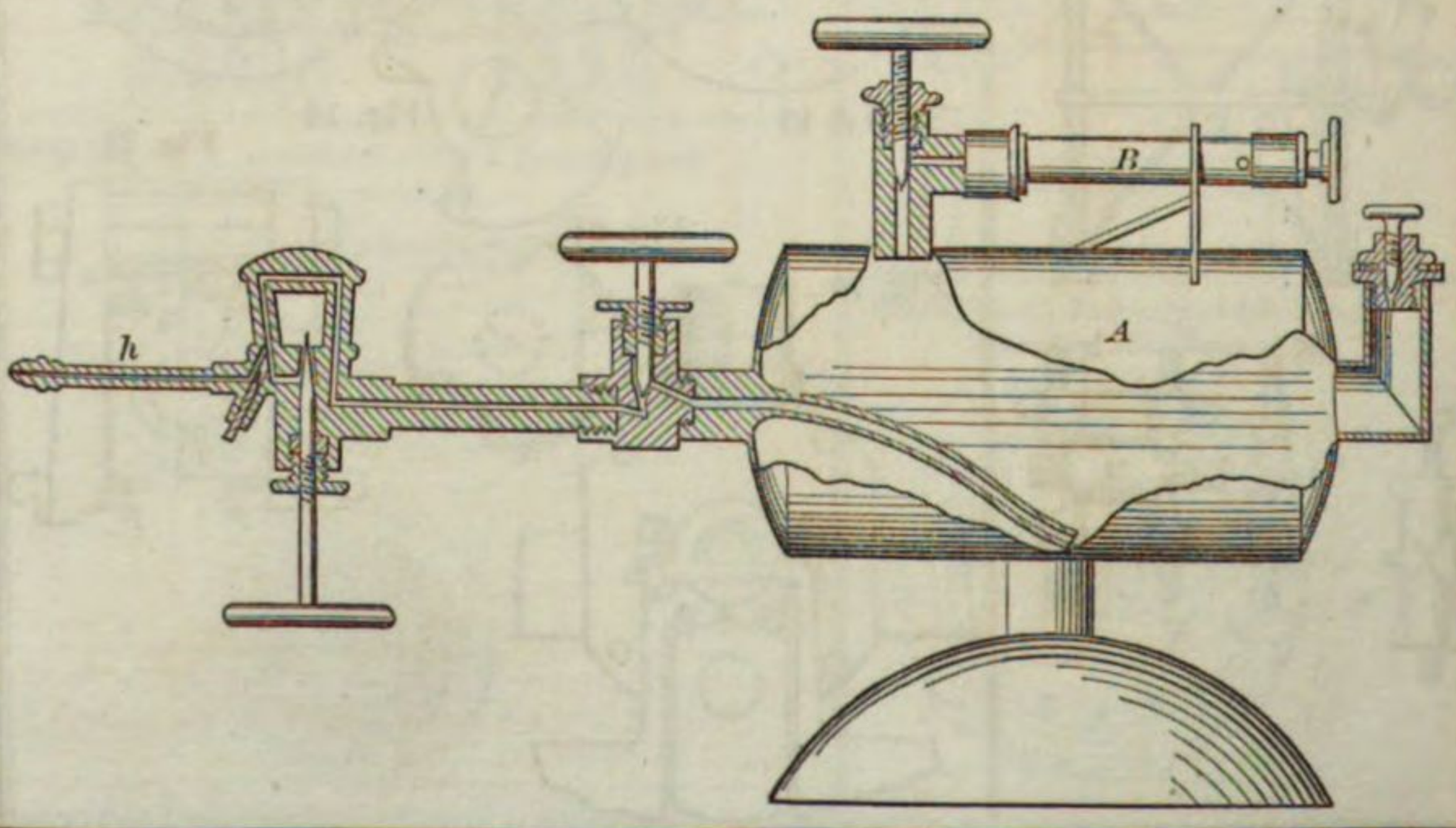
56050—E. Hoyt—*Churn.*



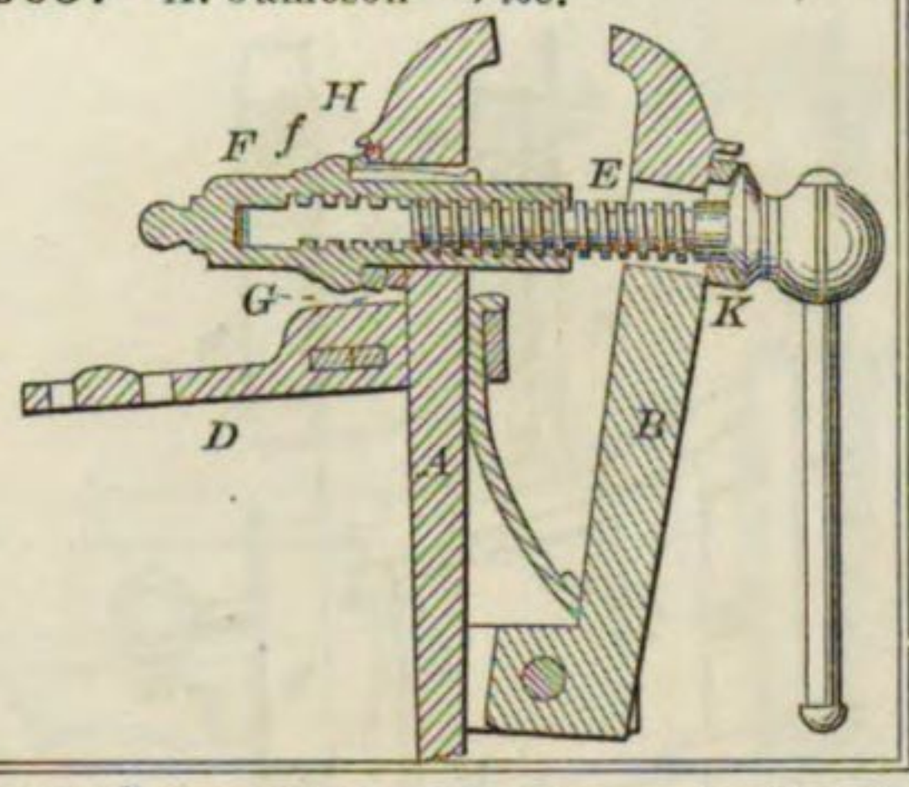
56048—W. F. Heywood—*For Folding Cloth.*



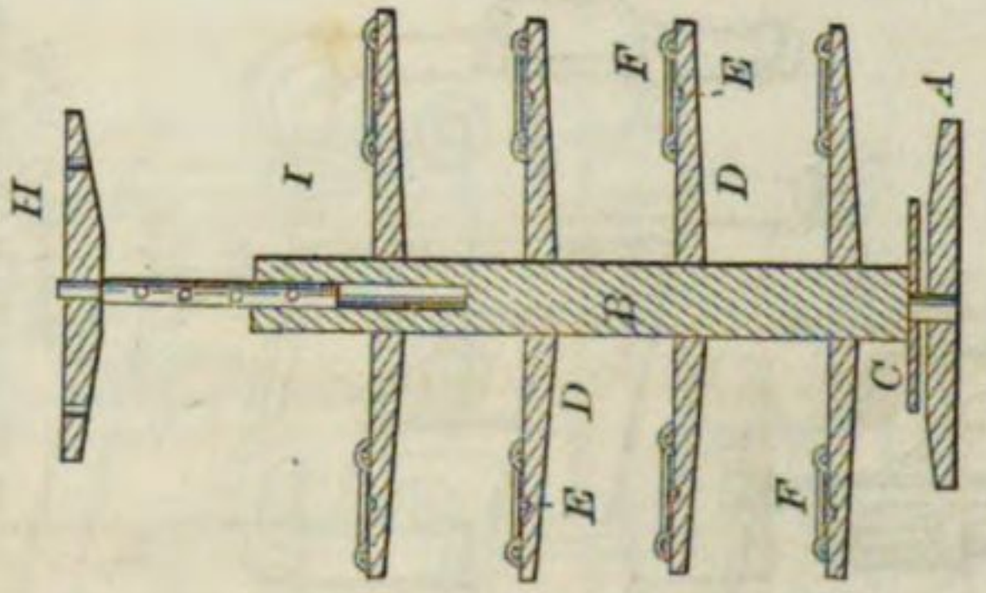
56051—J. S. Hull—*Soldering Lamp and Blow Pipe.*



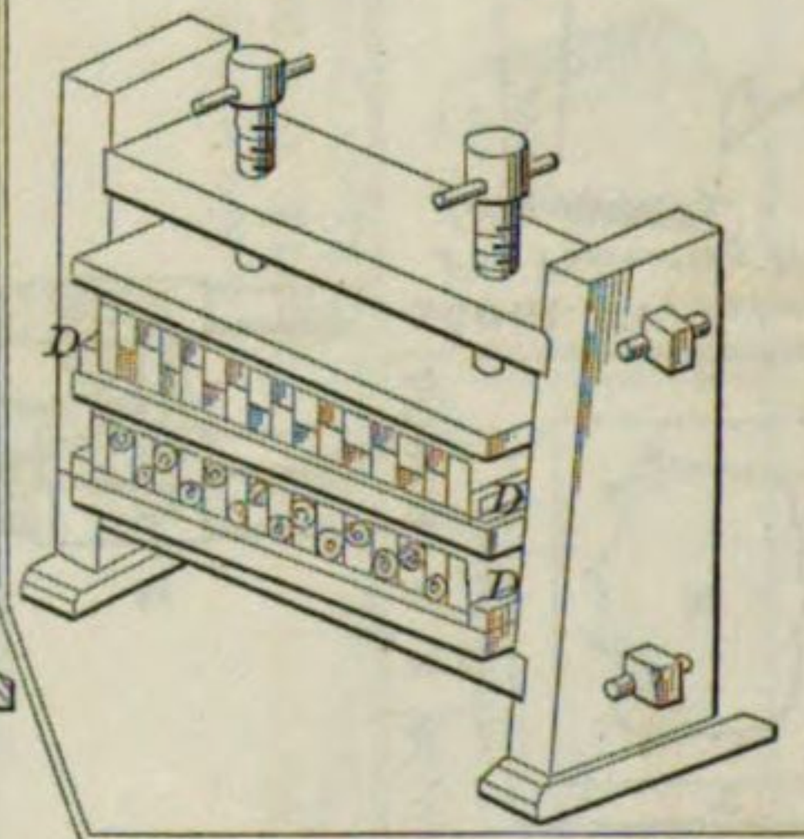
56057—A. Jameson—*Vise.*

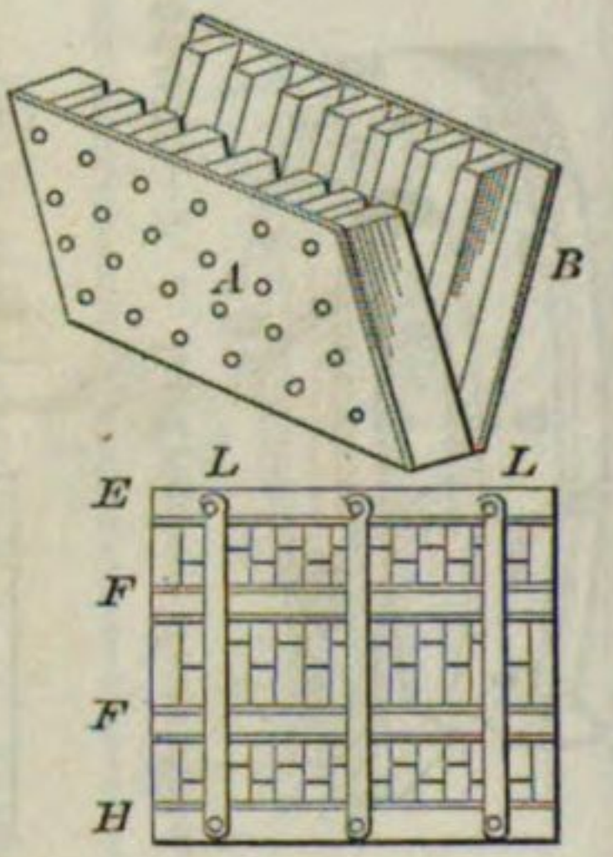


56056—A. Jackson—*Milk Rack.*

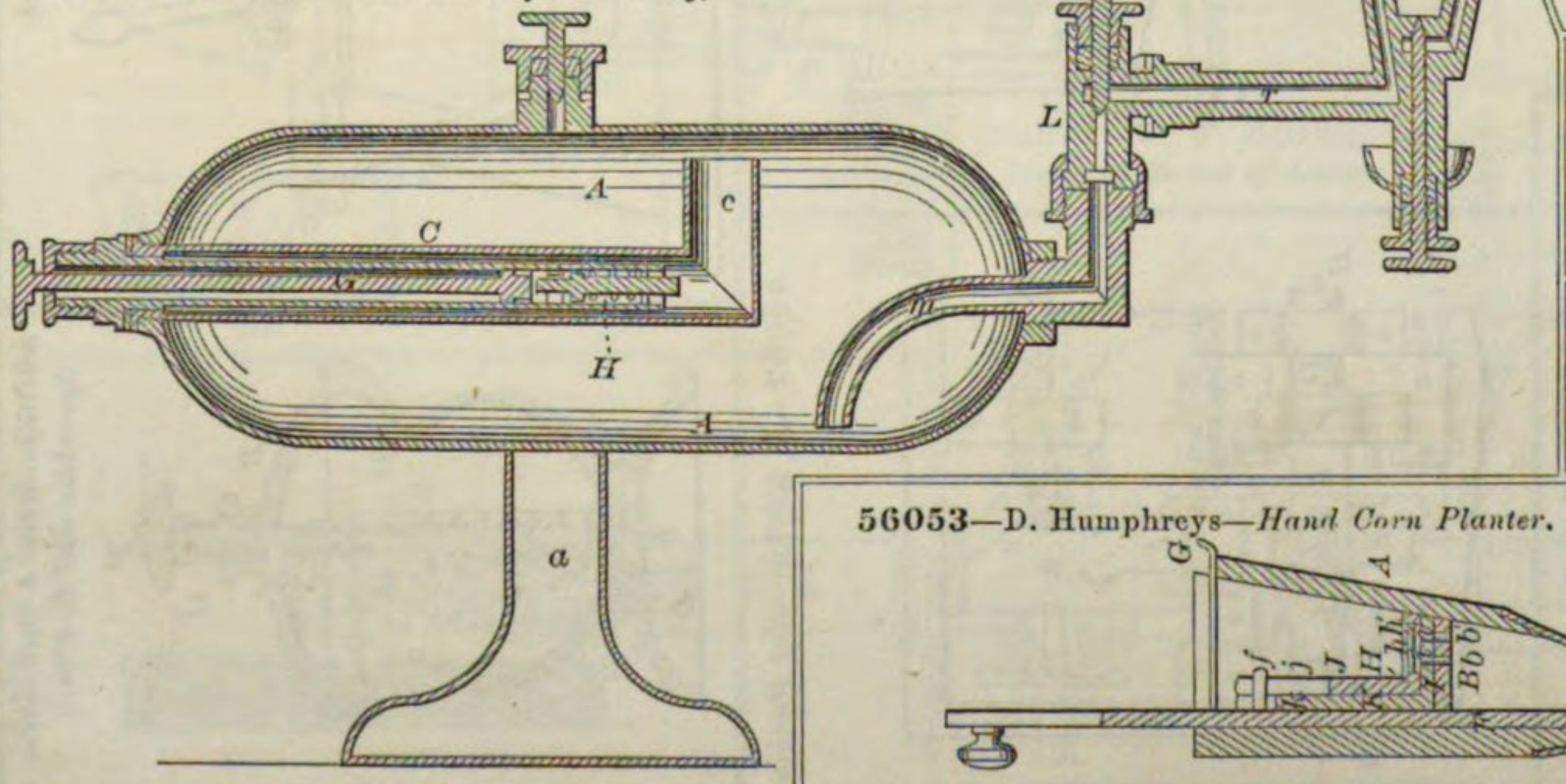


56055—A. Iske—*Cigar Press.*

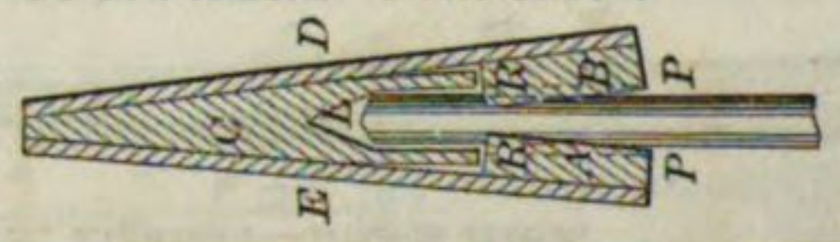




56052—J. S. Hull—*Gas Heater for Cooking, &c.*

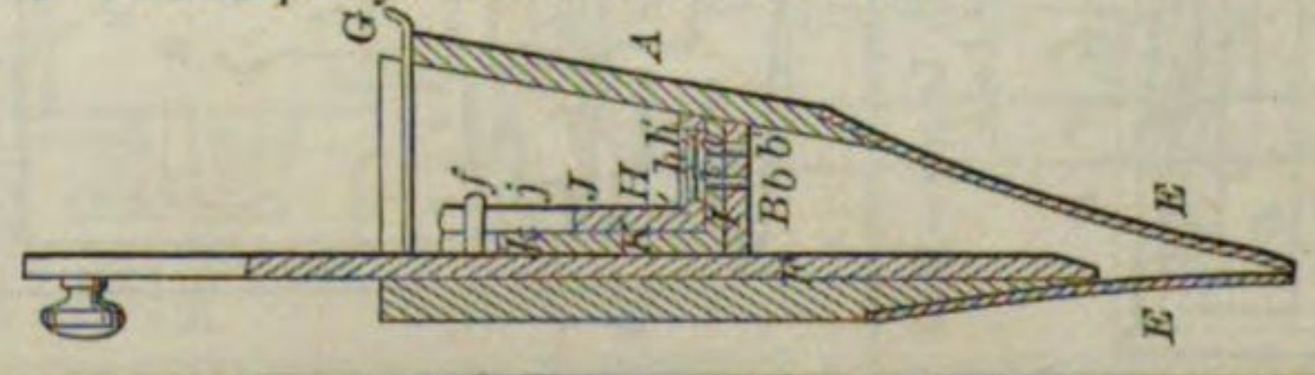


56059—F. G. Johnson—*Drill Chuck.*

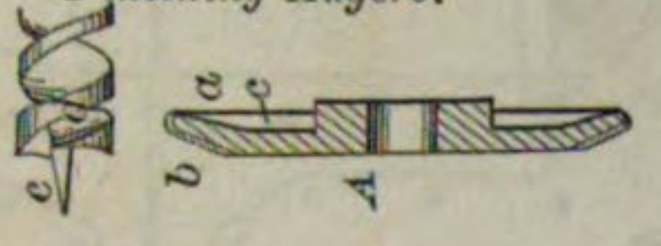


56054—J. L. Husband—*Packing for Steam Engines.*

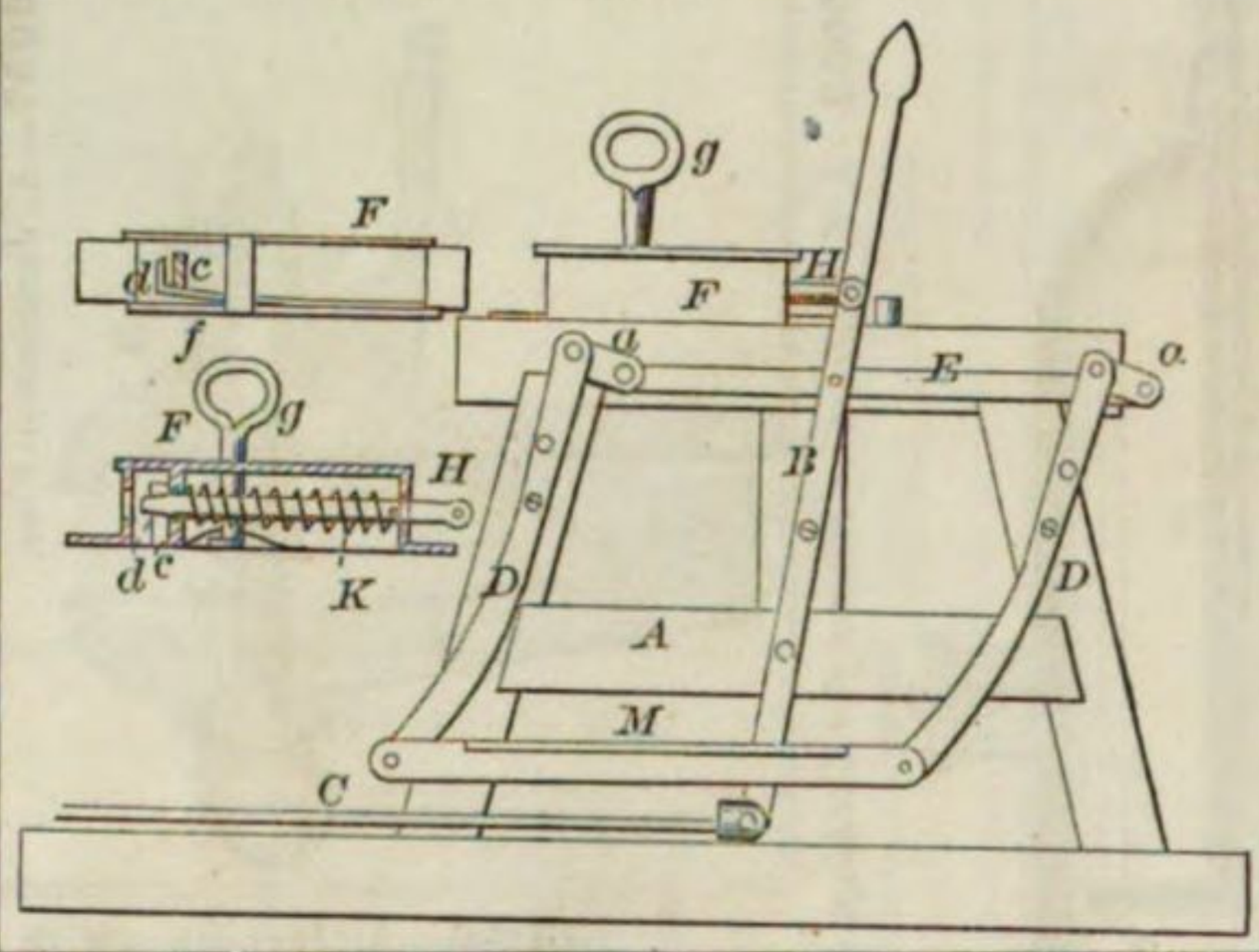
56053—D. Humphreys—*Hand Corn Planter.*



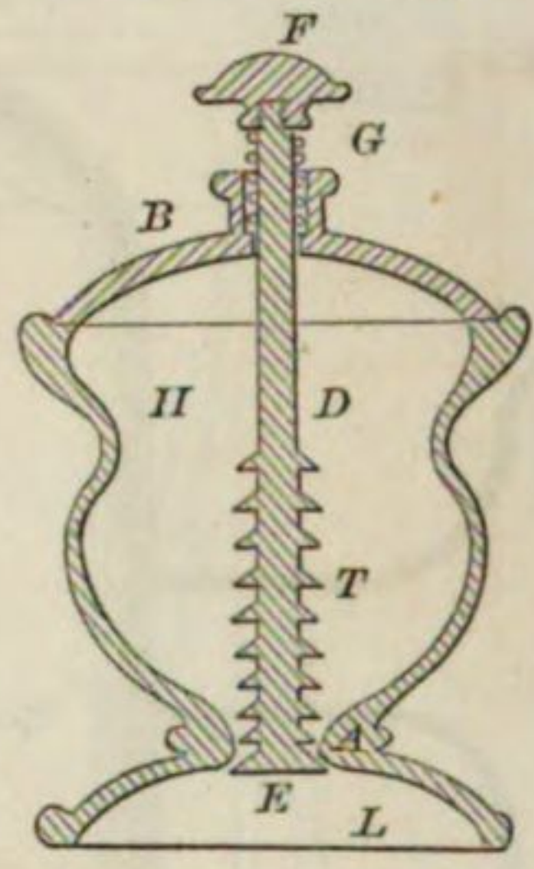
56058—R. Jennings—*Tool for Finishing Augers.*



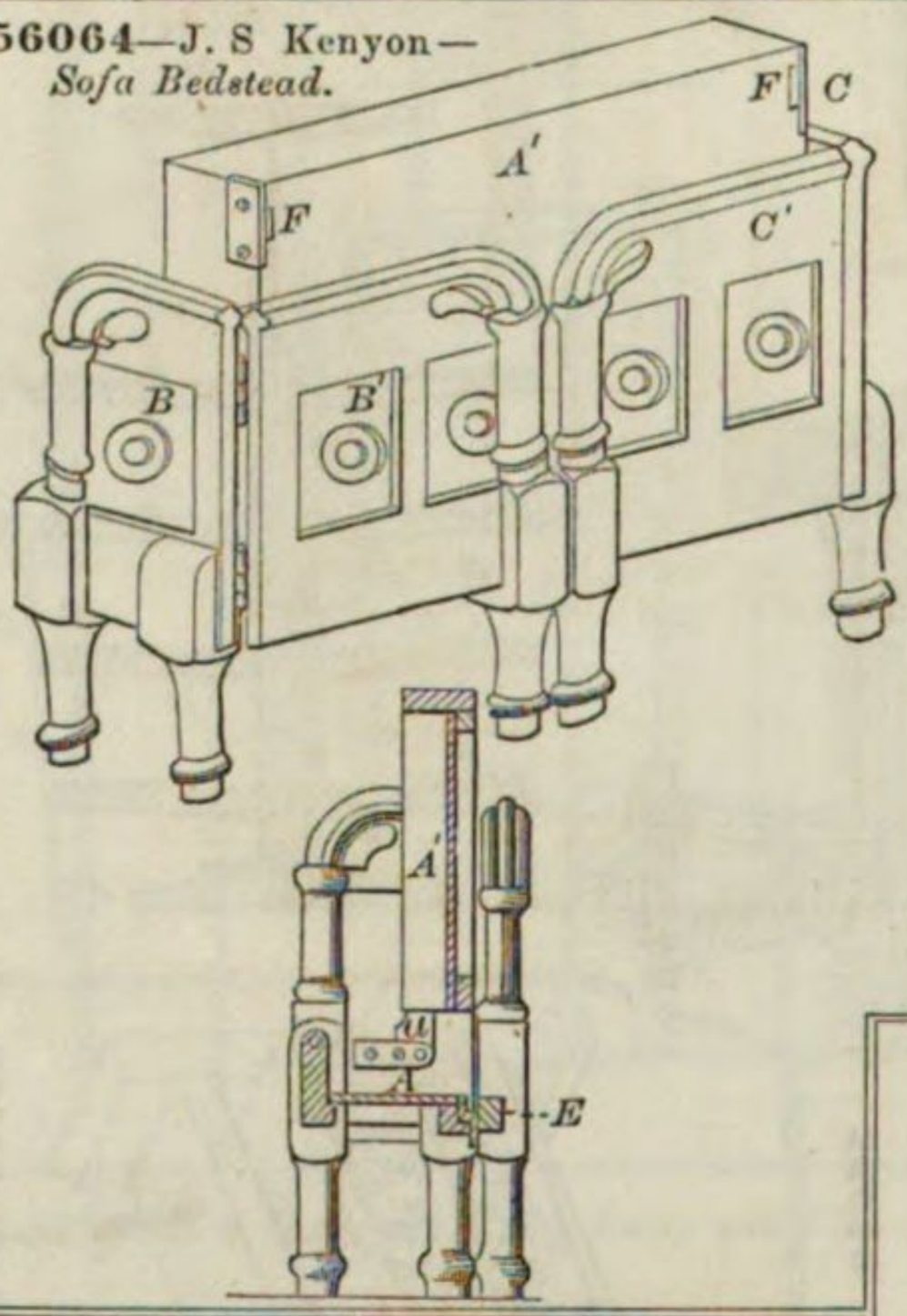
56060—R. V. Jones—*Railroad Switch.*



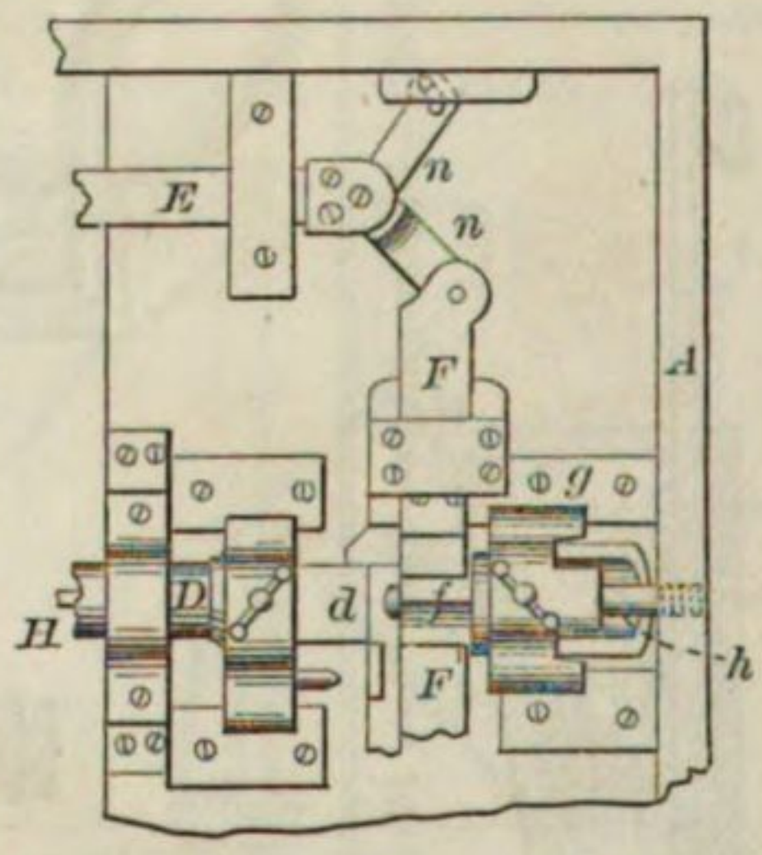
56063—Keep & Dummer—*Sprinkler and Dredger.*



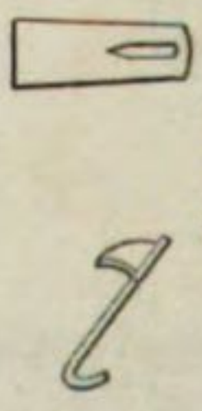
56064—J. S Kenyon—*Sofa Bedstead.*



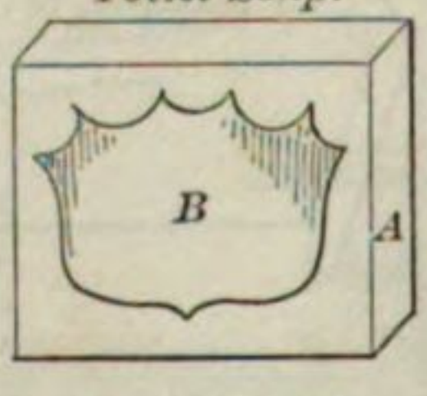
56062—E. Kaylor—*Nut Machine.*



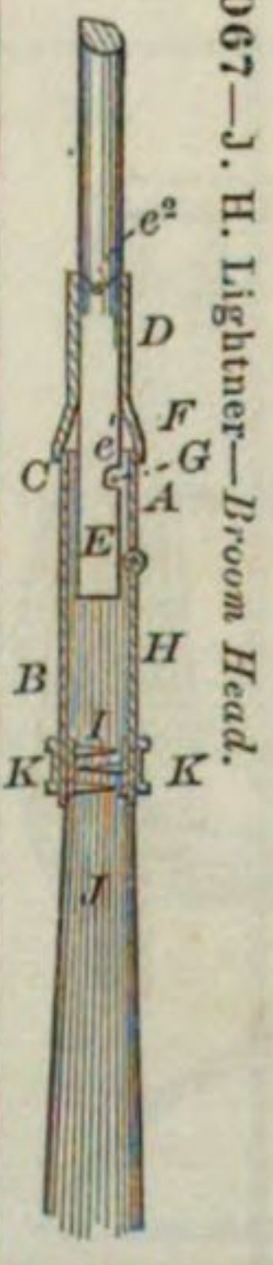
56061—W. Judson—*Hog's For Preventing Hogs from Rooting.*



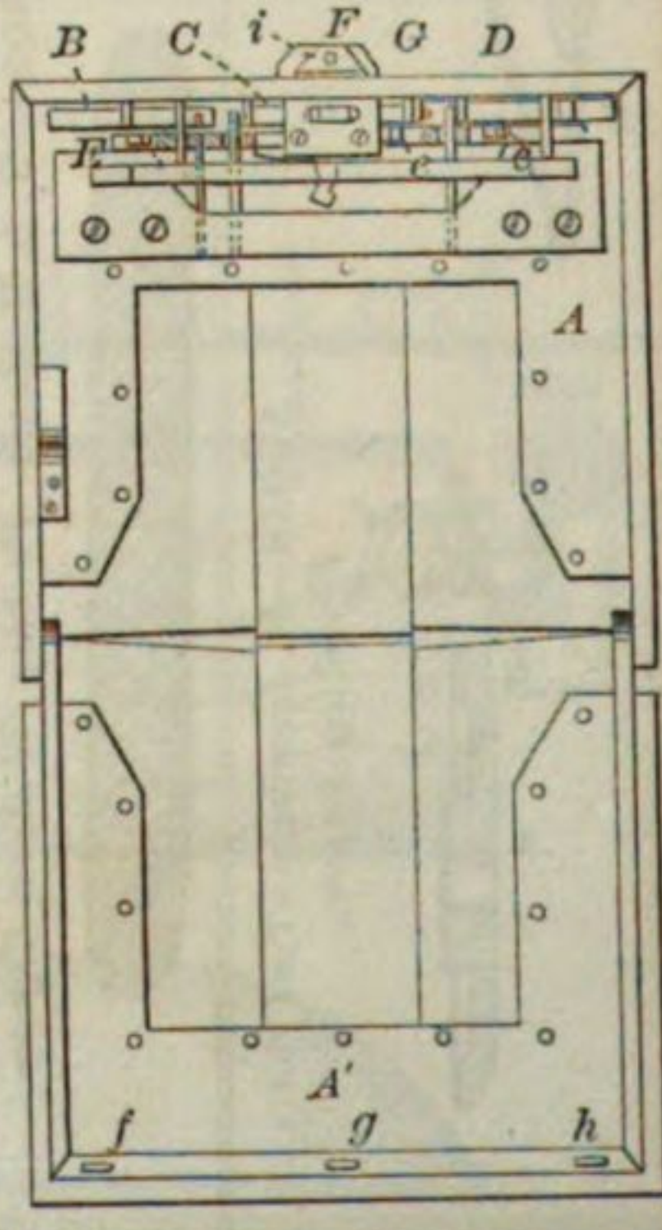
56068—G. H Lincoln—*Toilet Soap.*



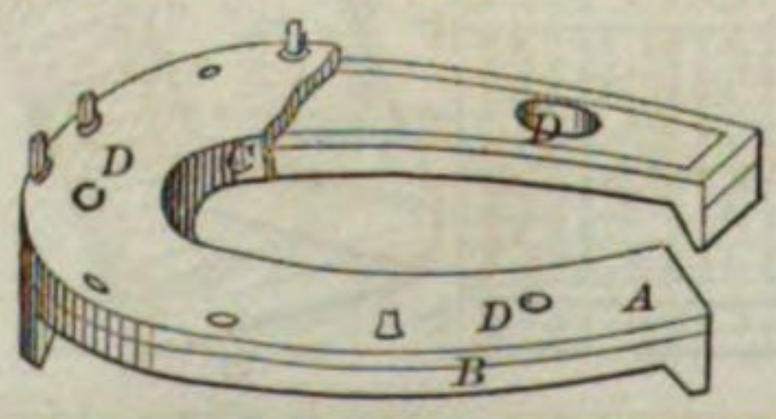
56067—J. H. Lightner—*Broom Head.*



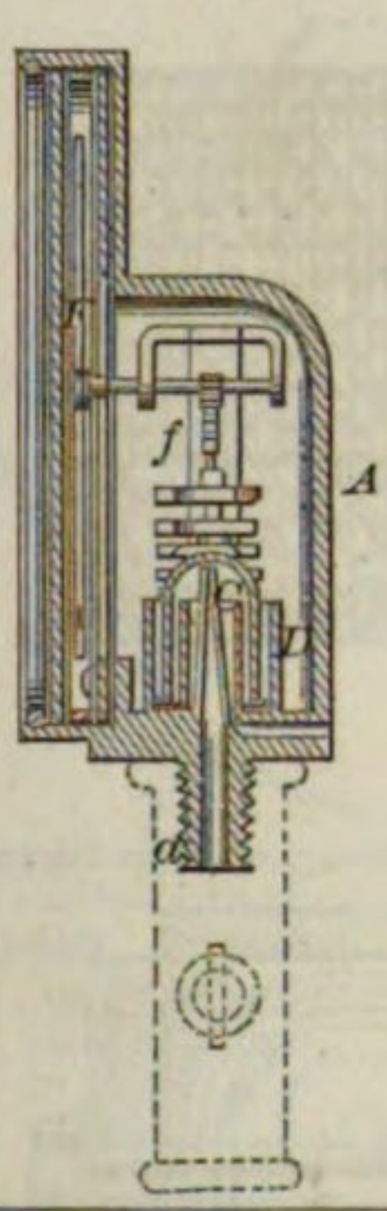
56069—J. P. Logan—*Mail Bag Lock.*

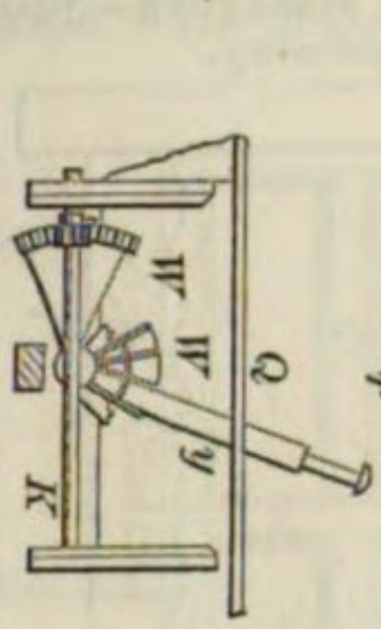


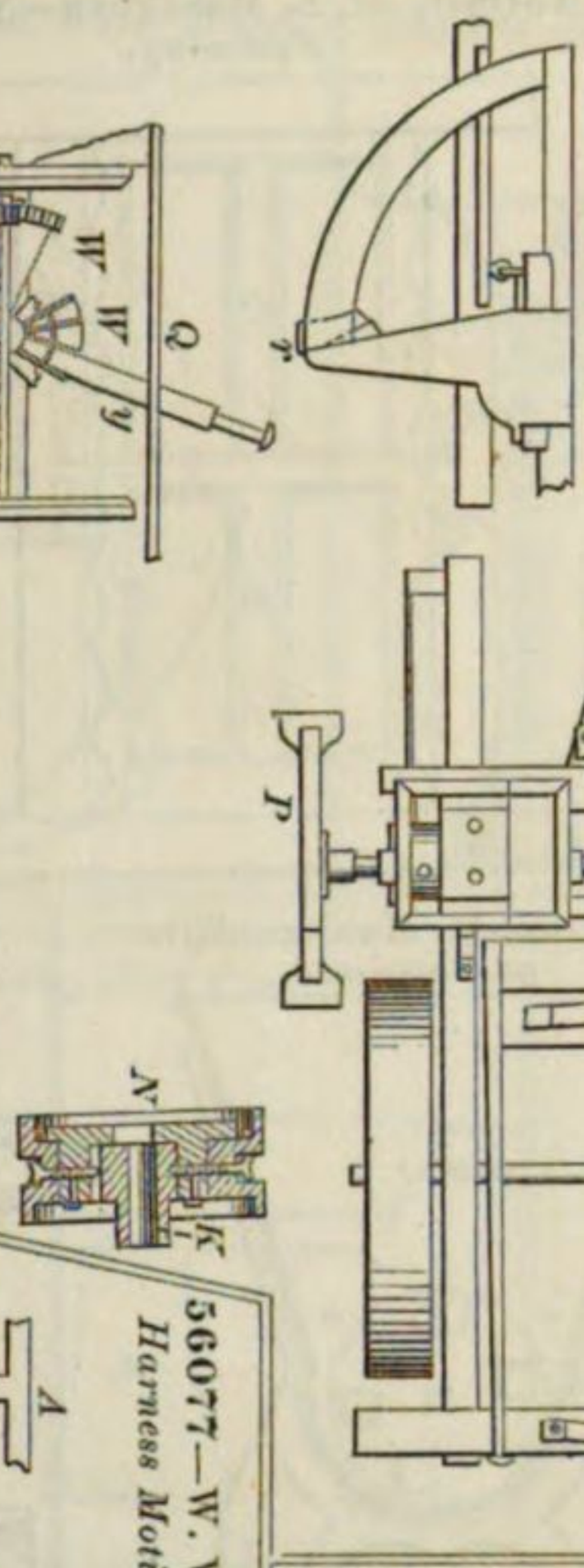
56065—P. A. La France—*Horse Shoe.*



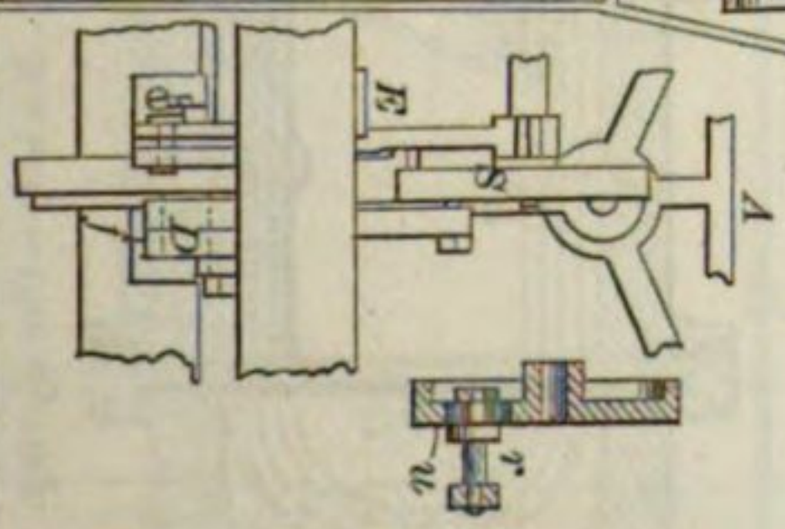
56070—J. Lowe—
Steam Gauge.



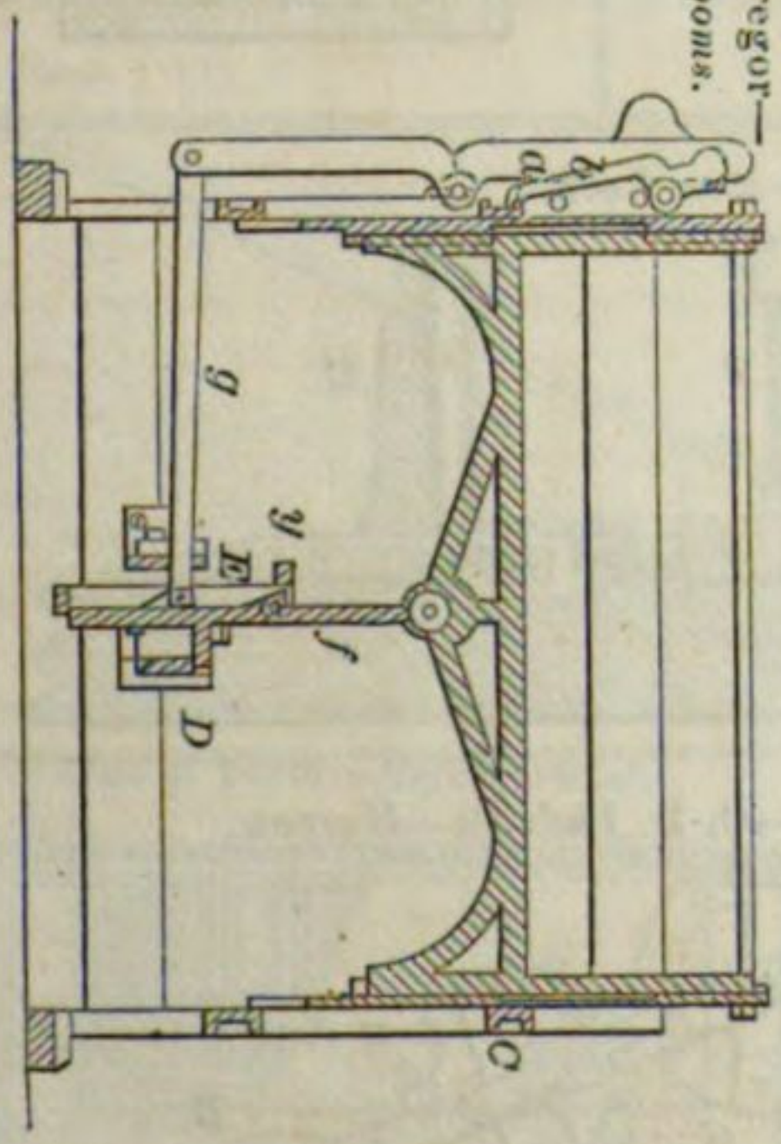


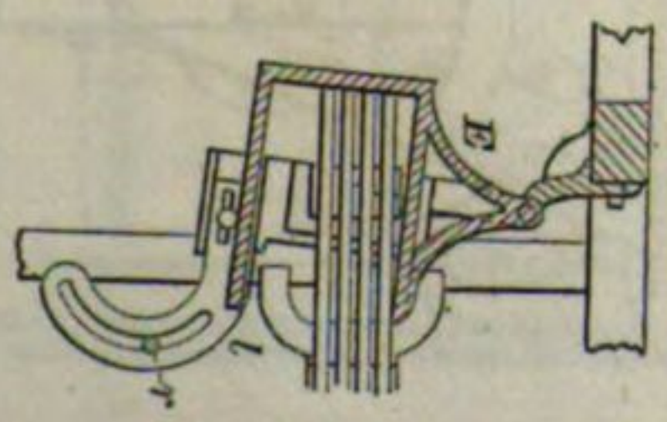


56076—I. W. McGaffey—*Seed Planter.*

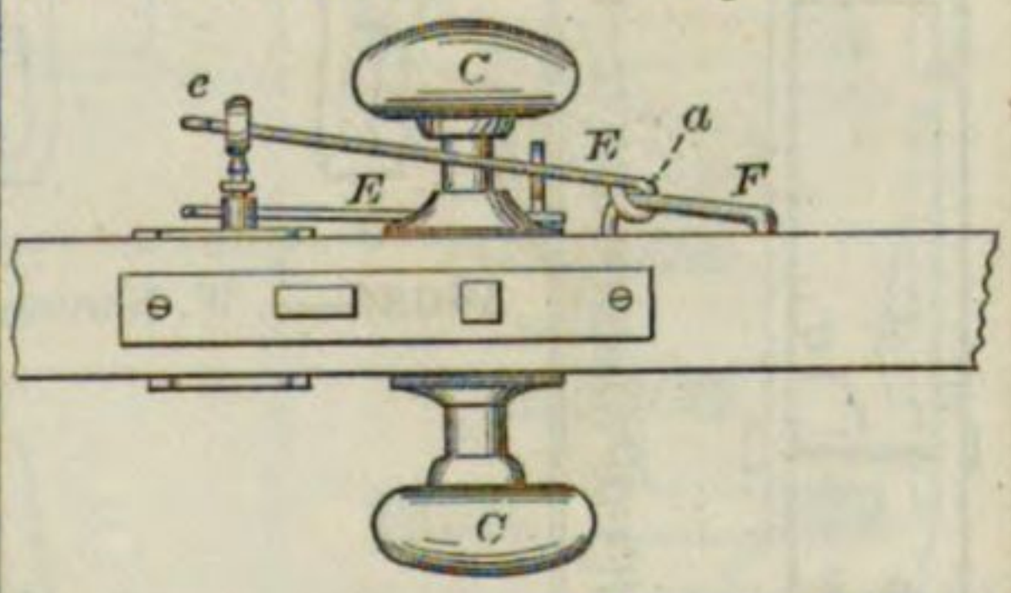


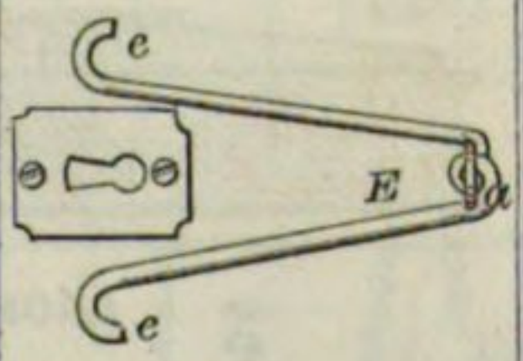
56077—W. W. McGregor—
Harness Motion of Looms.





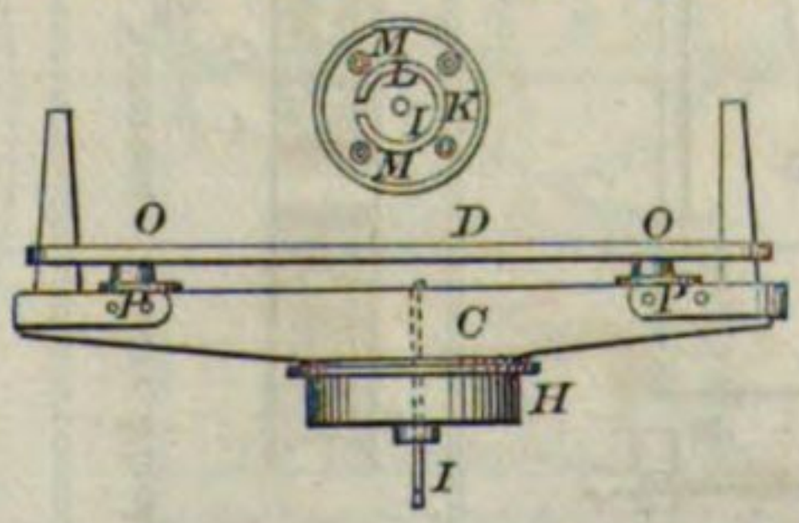
56071—S. Macferran—*Door Key Fastener.*



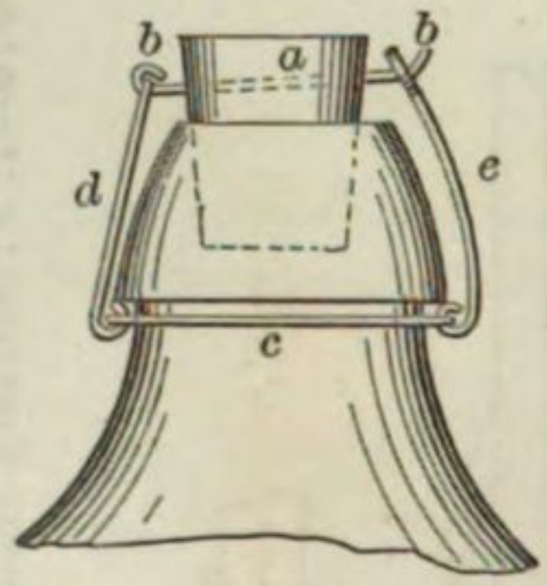


56073—C. S. Martin—
Wagon Spring.

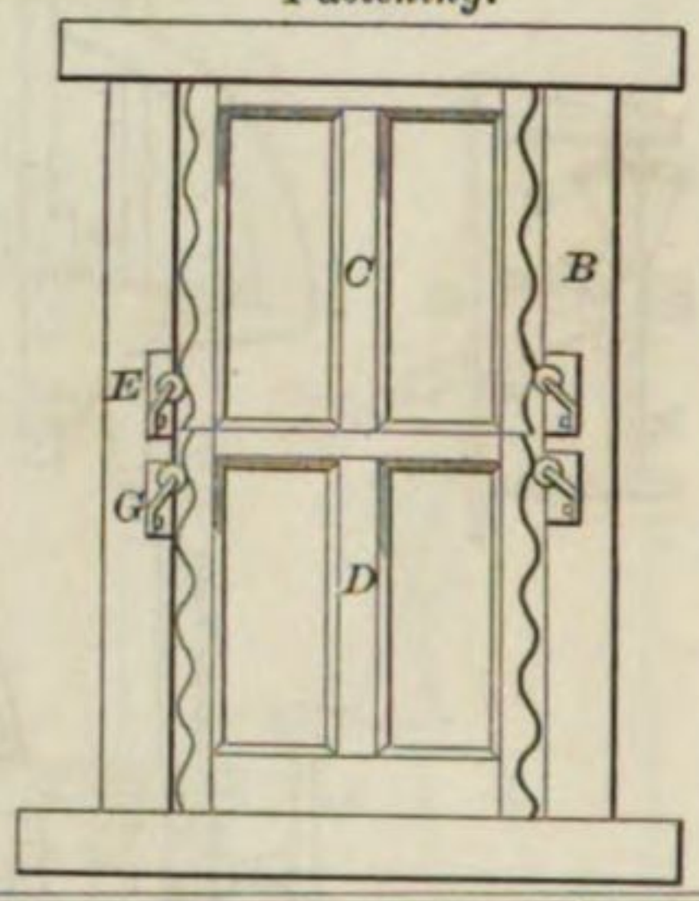
56074—C. S. Martin—*Wagon Spring.*



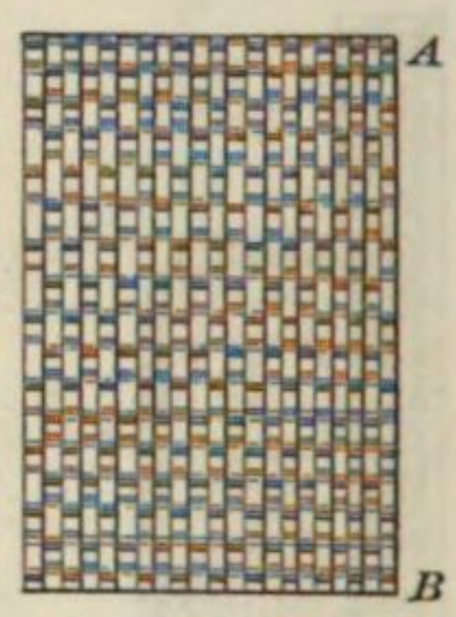
56079—T. W. Mirick—*Bottle Stopper.*



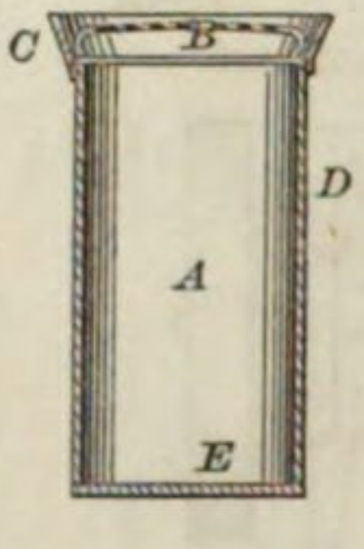
56080—R. E. Monaghan—*Sash Fastening.*



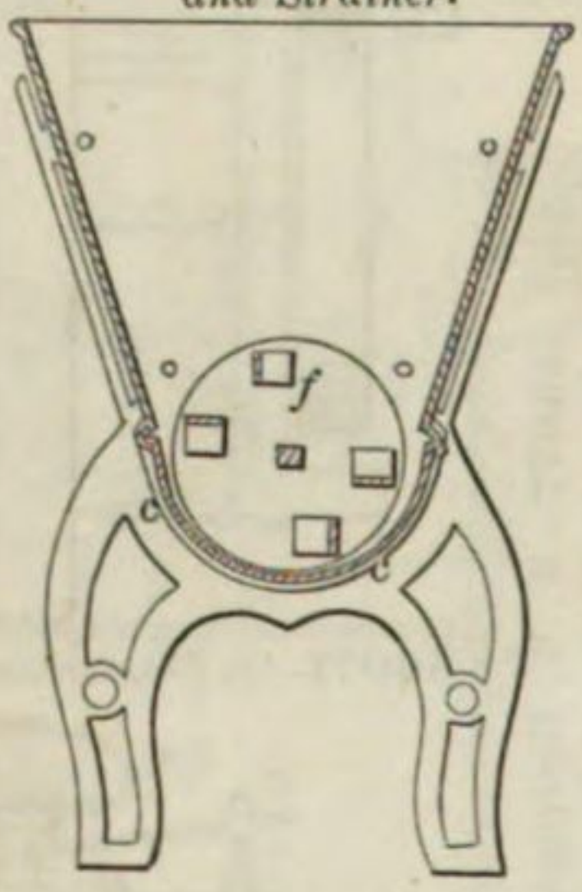
56081—C. Moore, Sr.—*Woven Bag.*



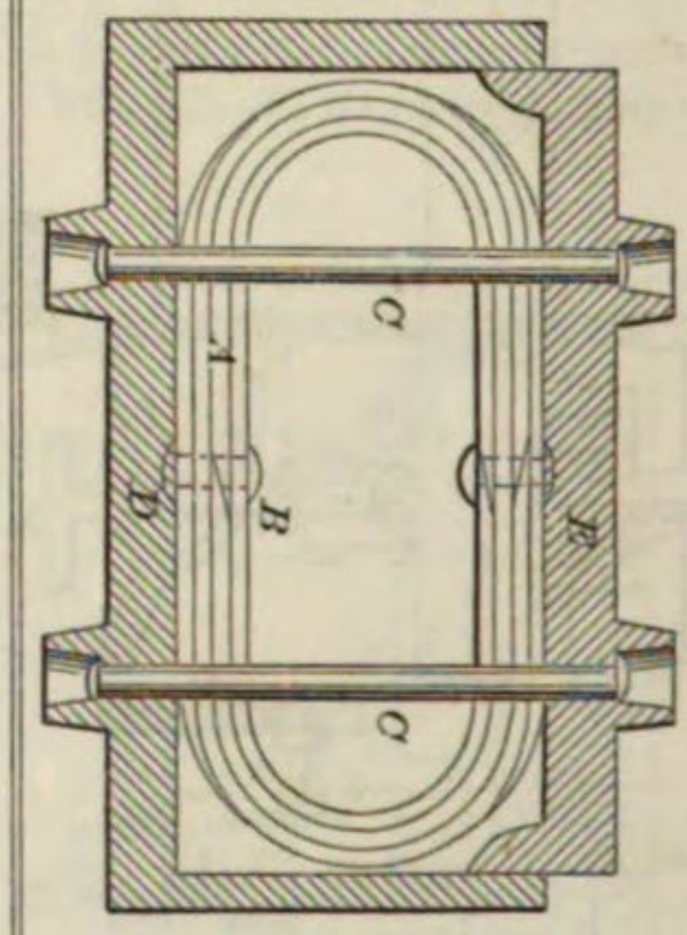
56082—H. A. Morse—*Clothes Sprinkler.*



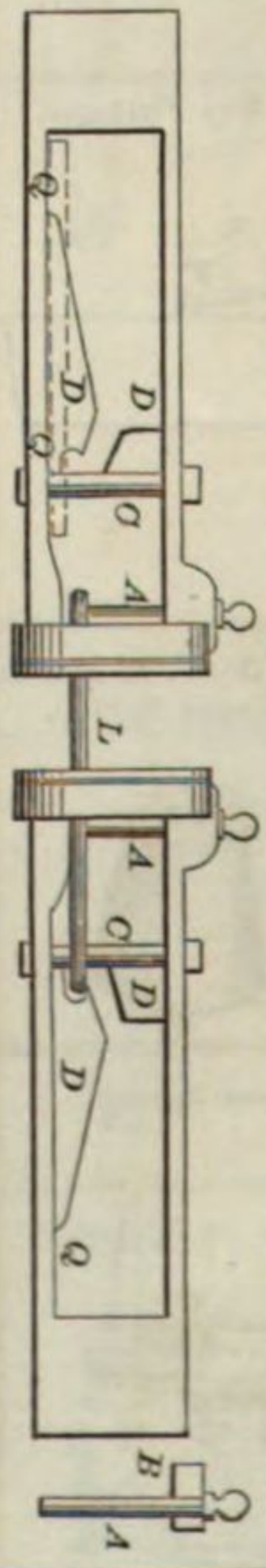
56083—J. M. Muhlig—*Sifter and Strainer.*



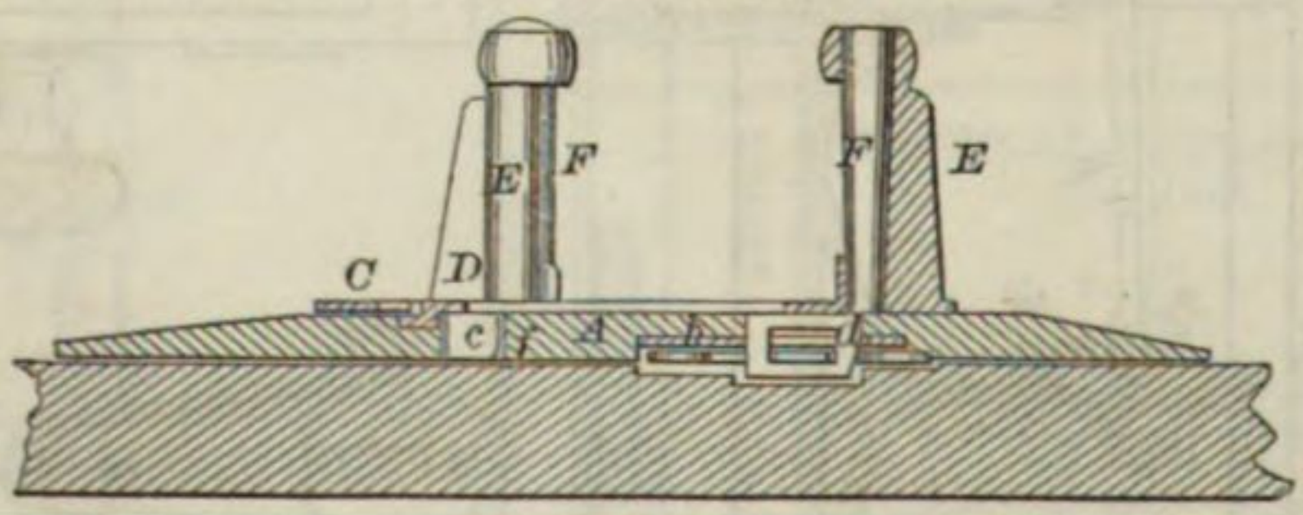
56084—W. R. Nichols—*Car Spring.*



56085—J. A. Niman—*Car Coupling.*

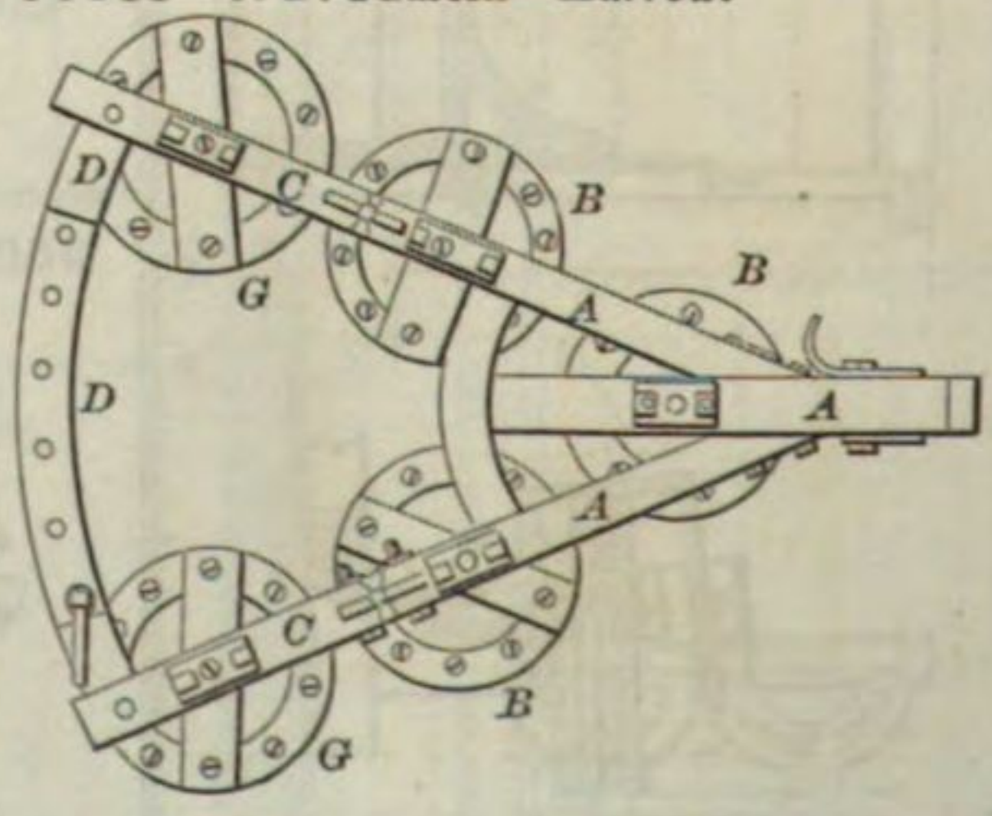


56086—J. W. Norcross—*Row Lock.*

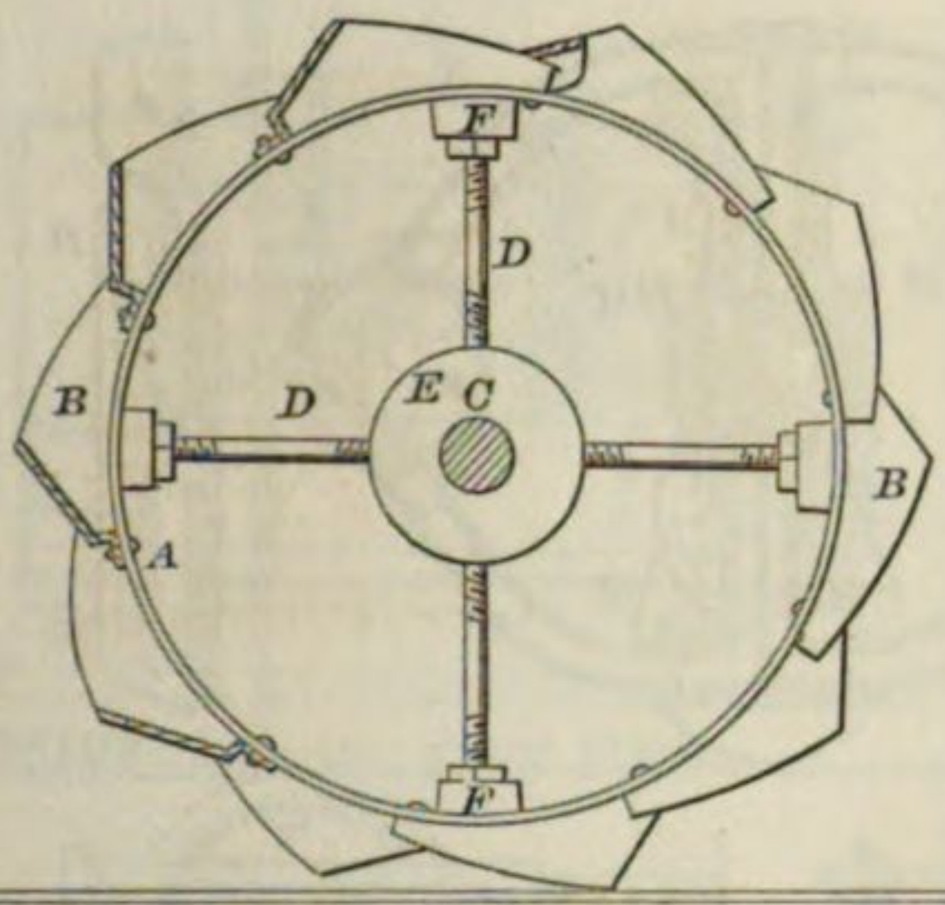


56087—J. W. Norcross—*Tackle Block. Sheave.*

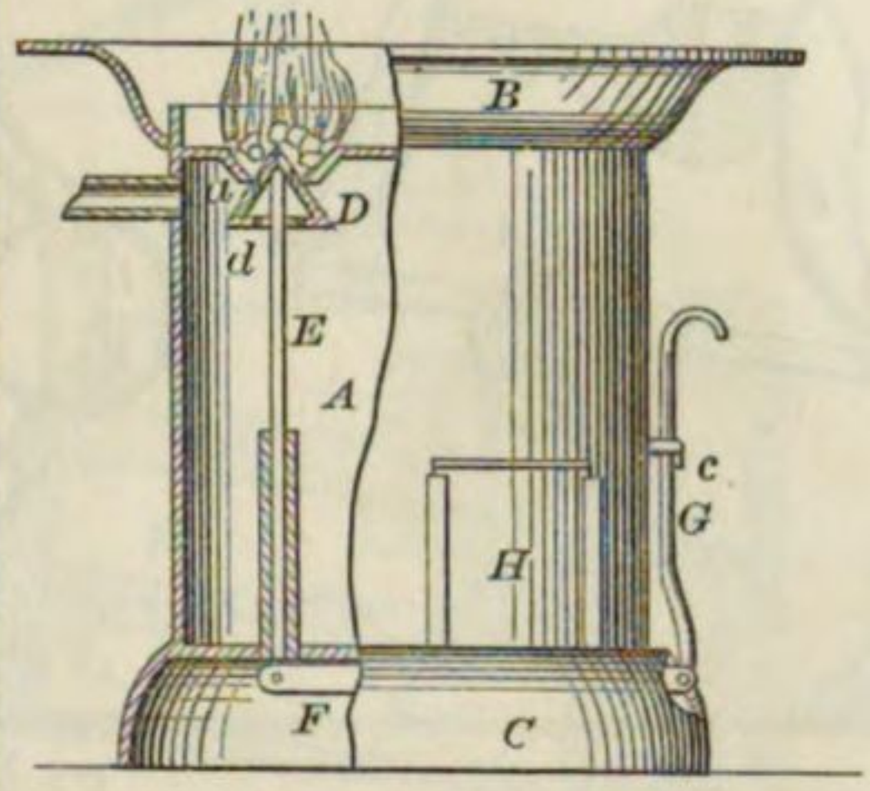
56088—O. D. Padrick—*Harrow.*



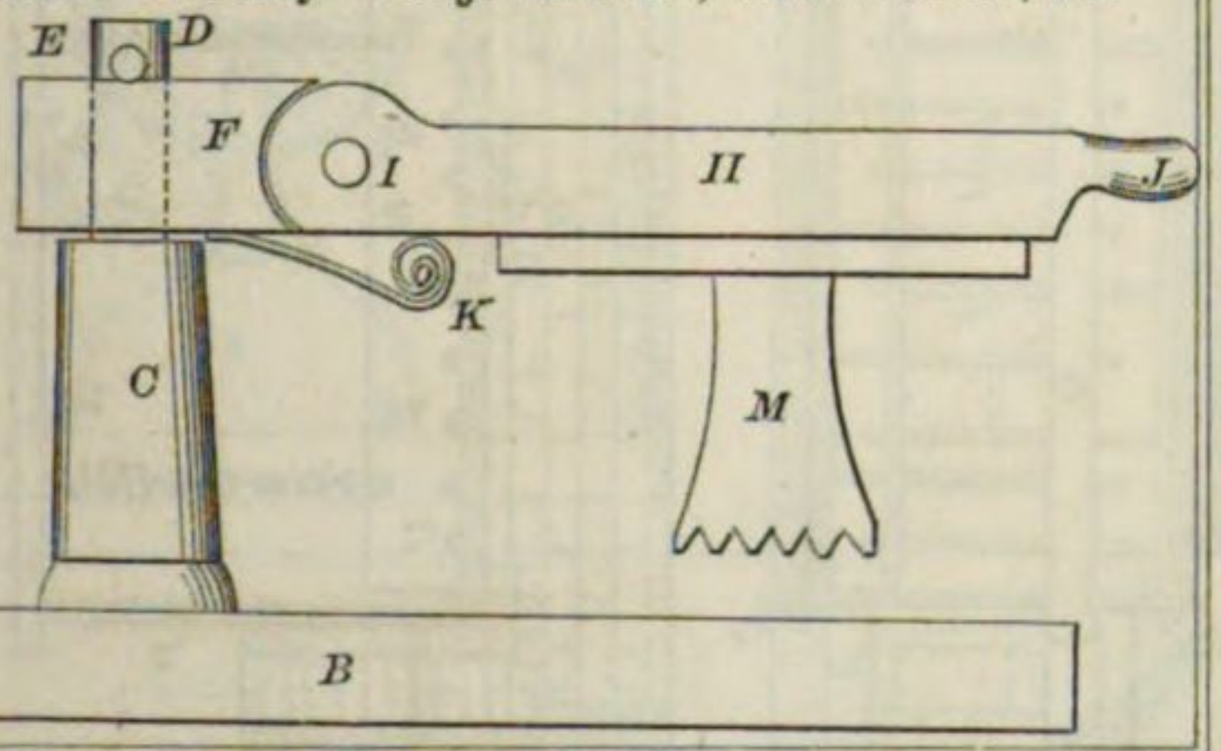
56089—R. Palmer—*Sheet Metal Water Wheel.*



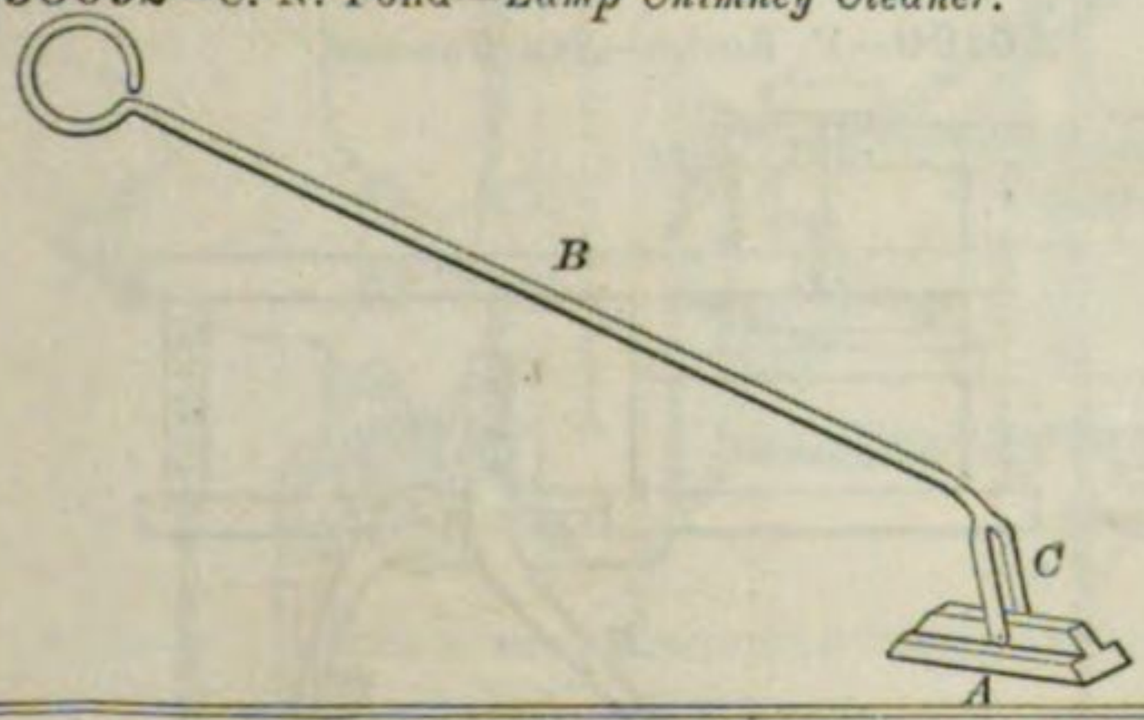
56090—J. Patterson—*Tuyere.*



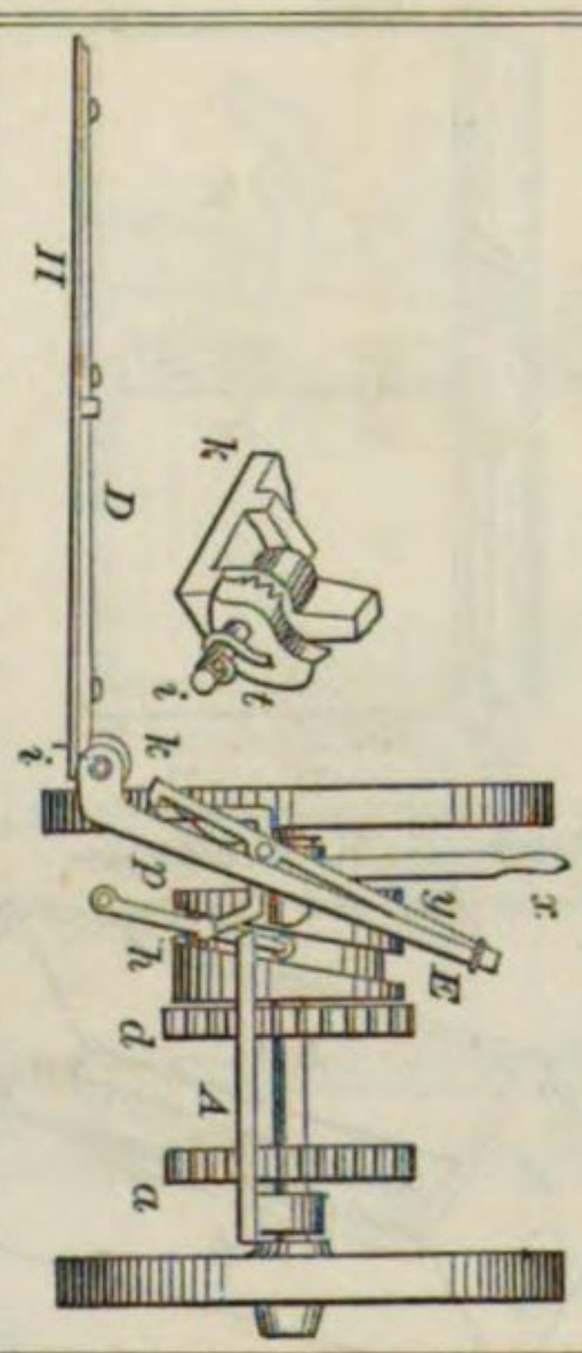
56091—P. Perry—*Dough Kneader, Meat Pounder, &c.*



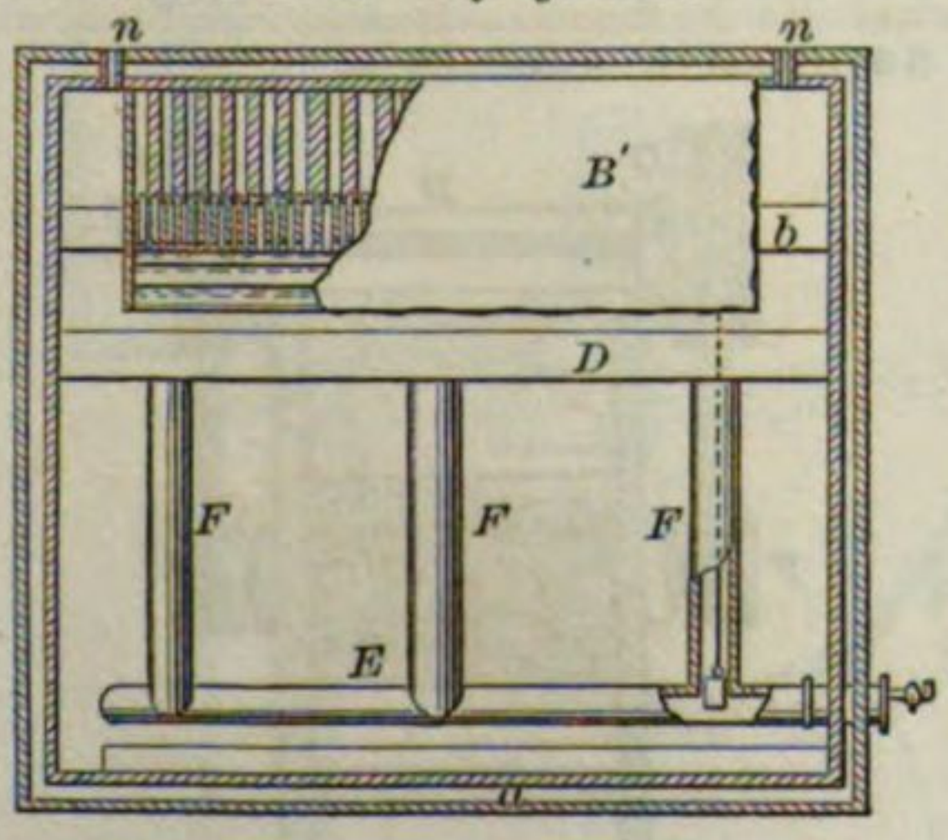
56092—C. N. Pond—*Lamp Chimney Cleaner.*



56093—C. Reed—*Mowing Machine.*

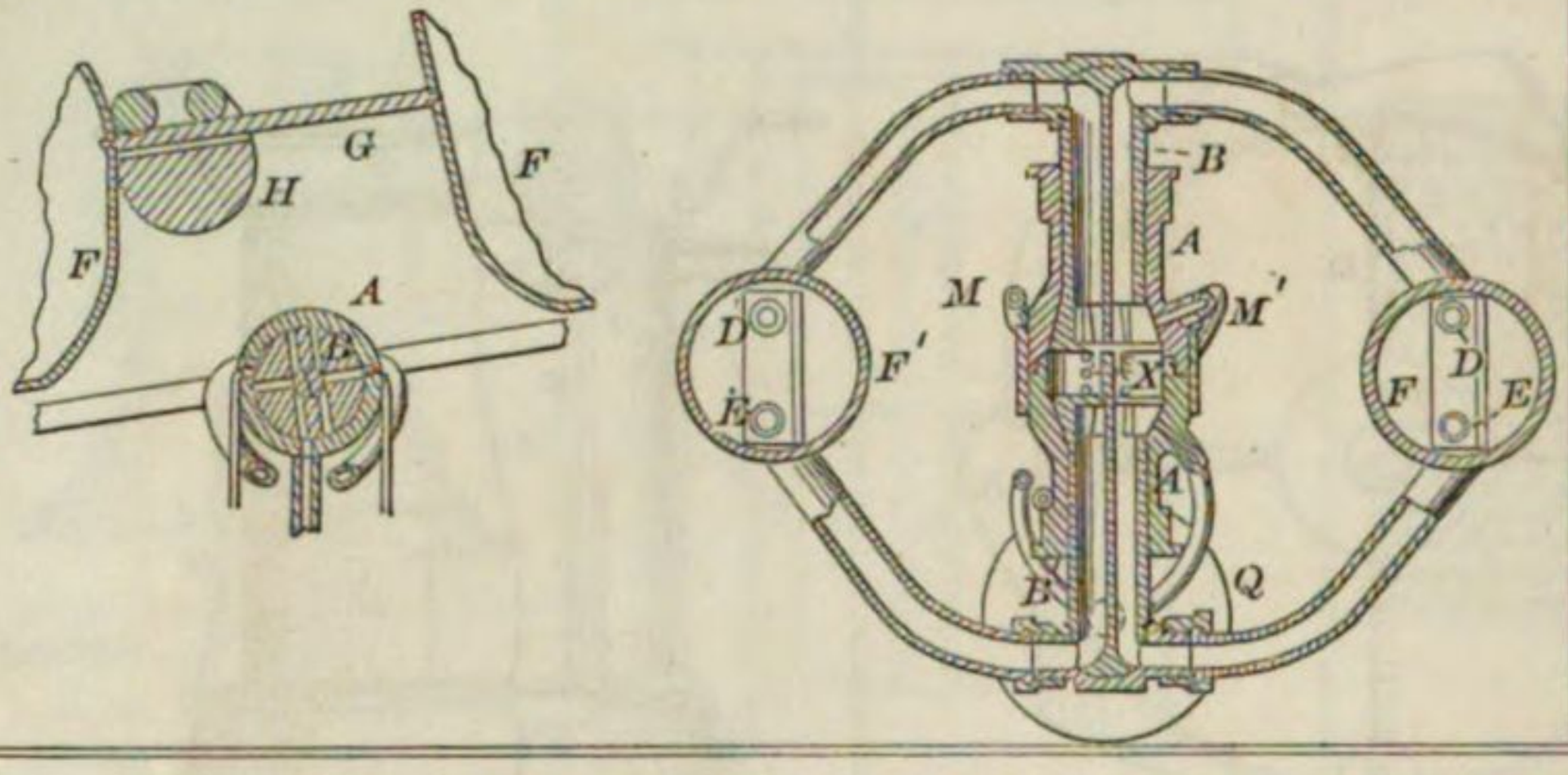


56094—Rees & Tevis—*Refrigerator.*

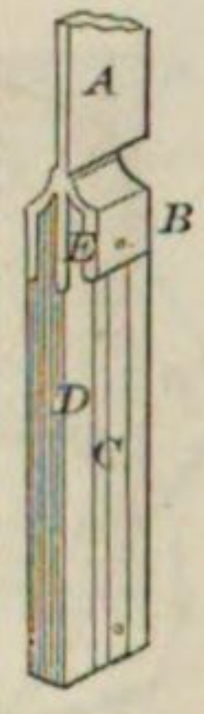


56095—D. Reese—*For Tapping Nuts.*

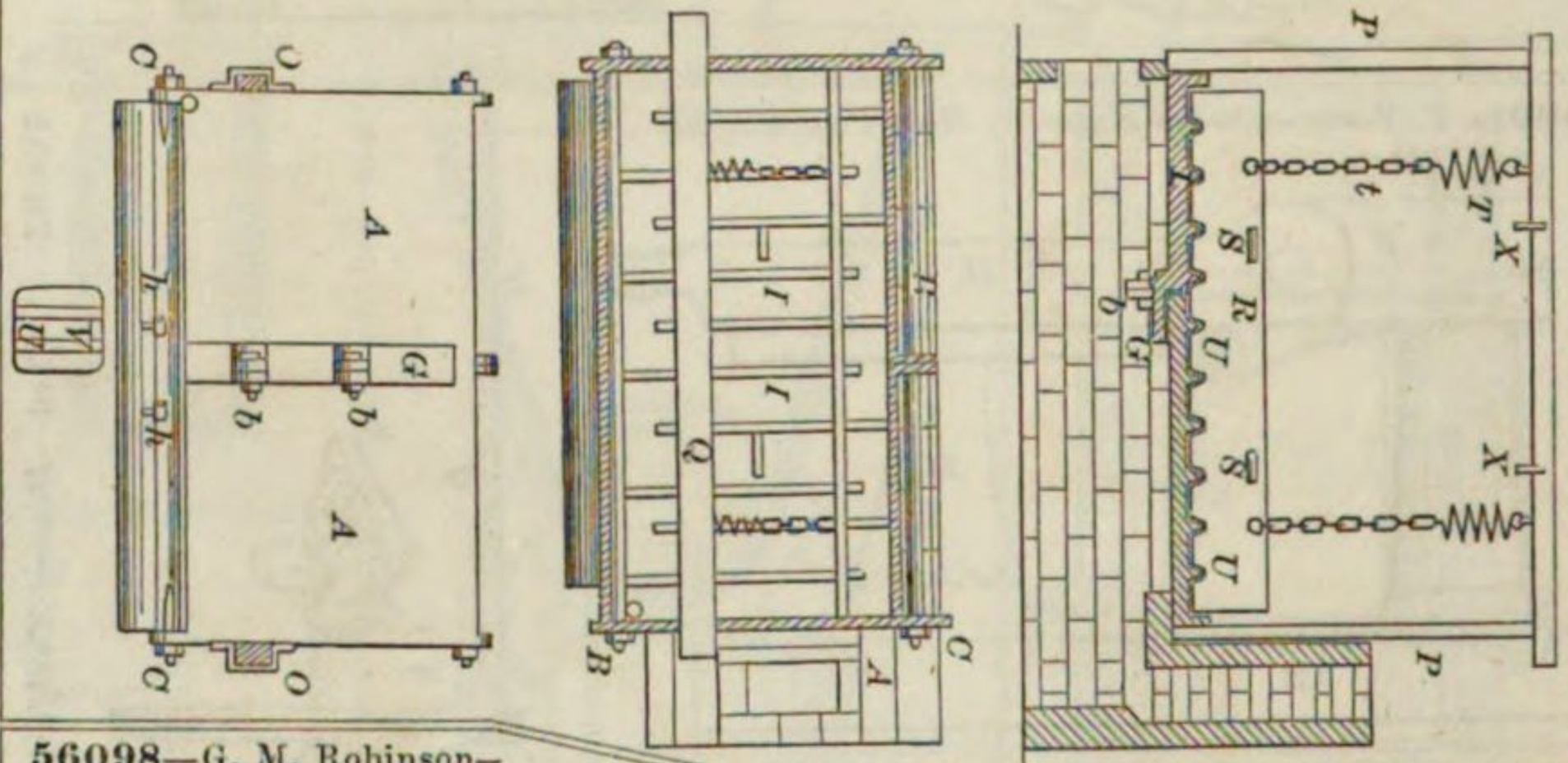
56096—G. A. Riedel—*Automatic Boiler Feeder.*



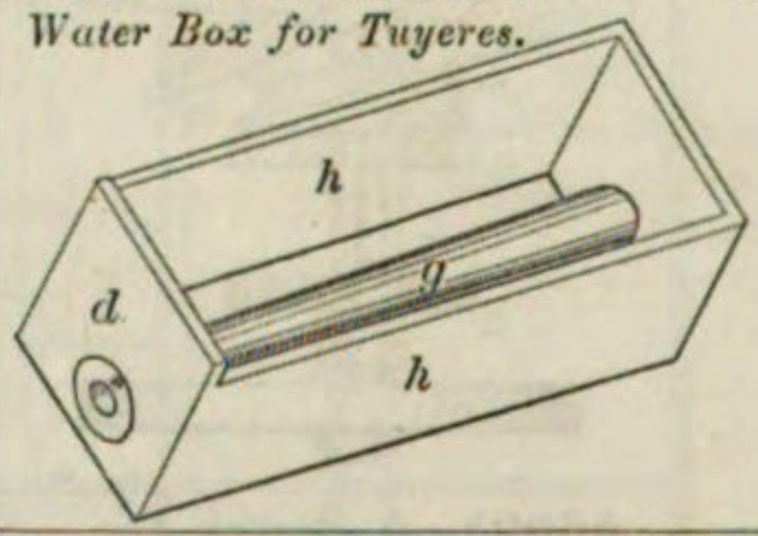
56099—W. W. Robinson—*Cutlery.*



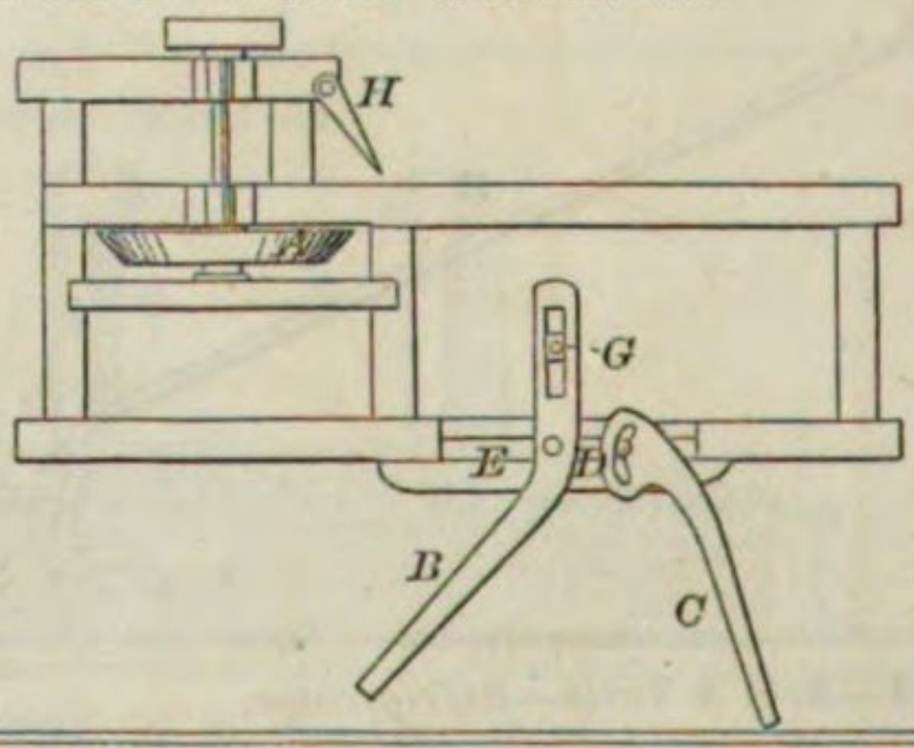
56097—J. F. Riggs—*Evaporator.*



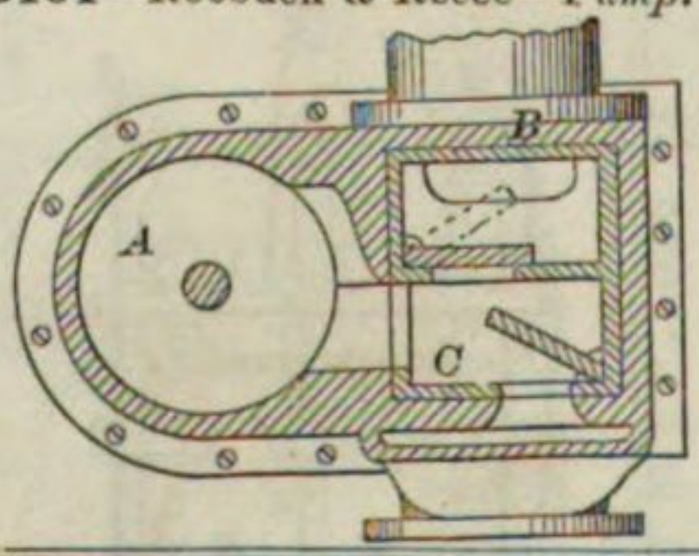
56098—G. M. Robinson—
Water Box for Tuyeres.



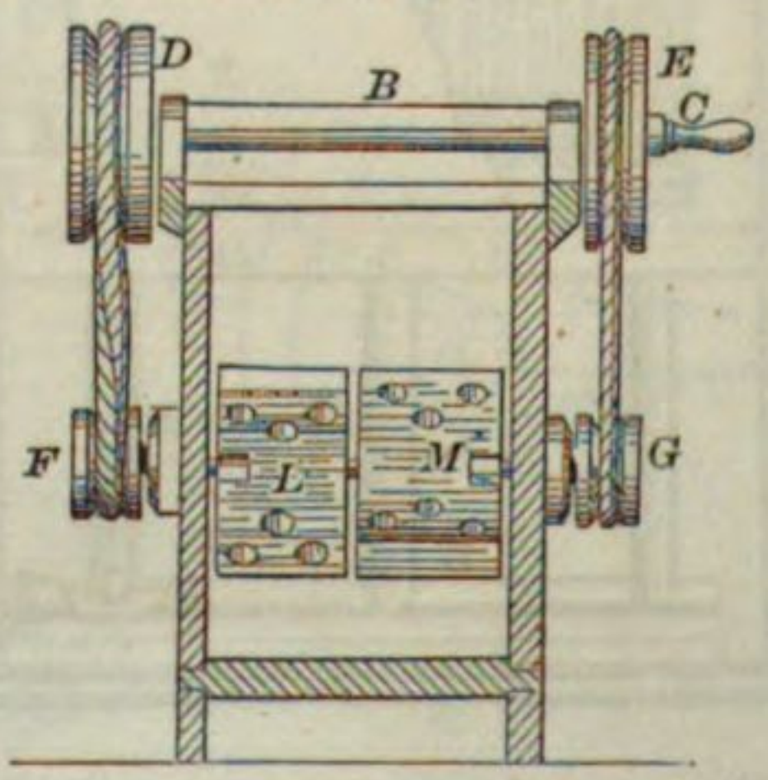
56100—P. Roche—*Saw Gummer.*



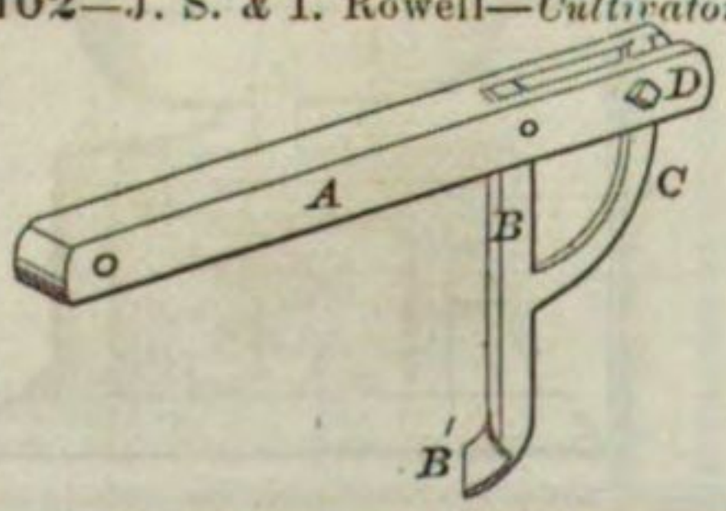
56101—Roebuck & Reece—*Pump.*



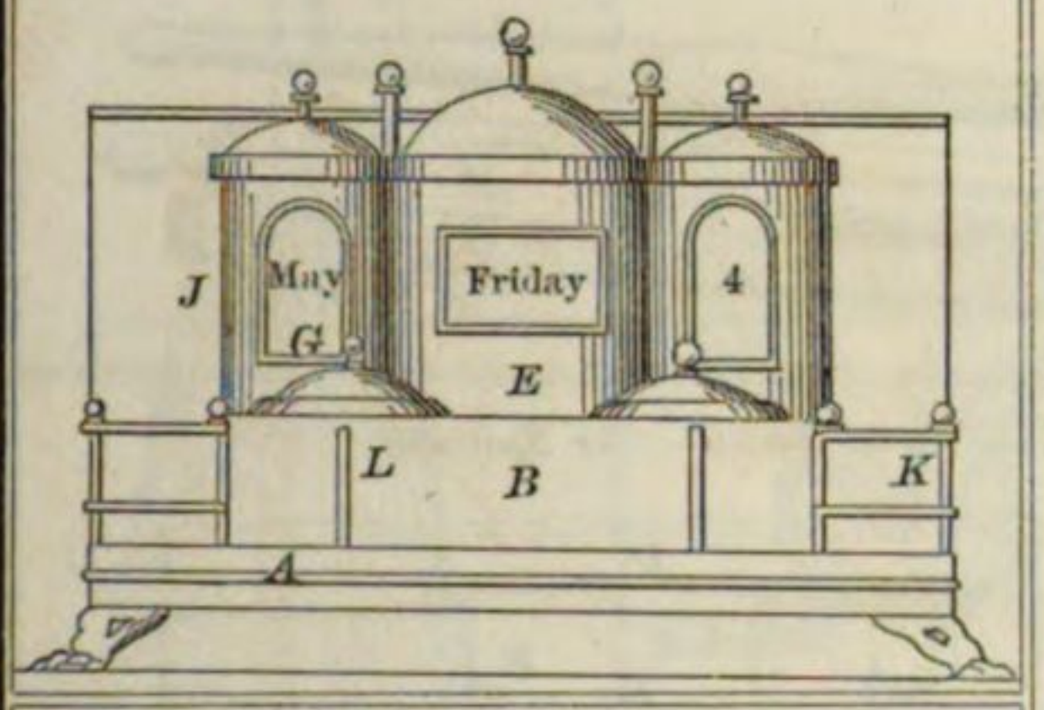
56103—J. L. Rust—*Churn.*



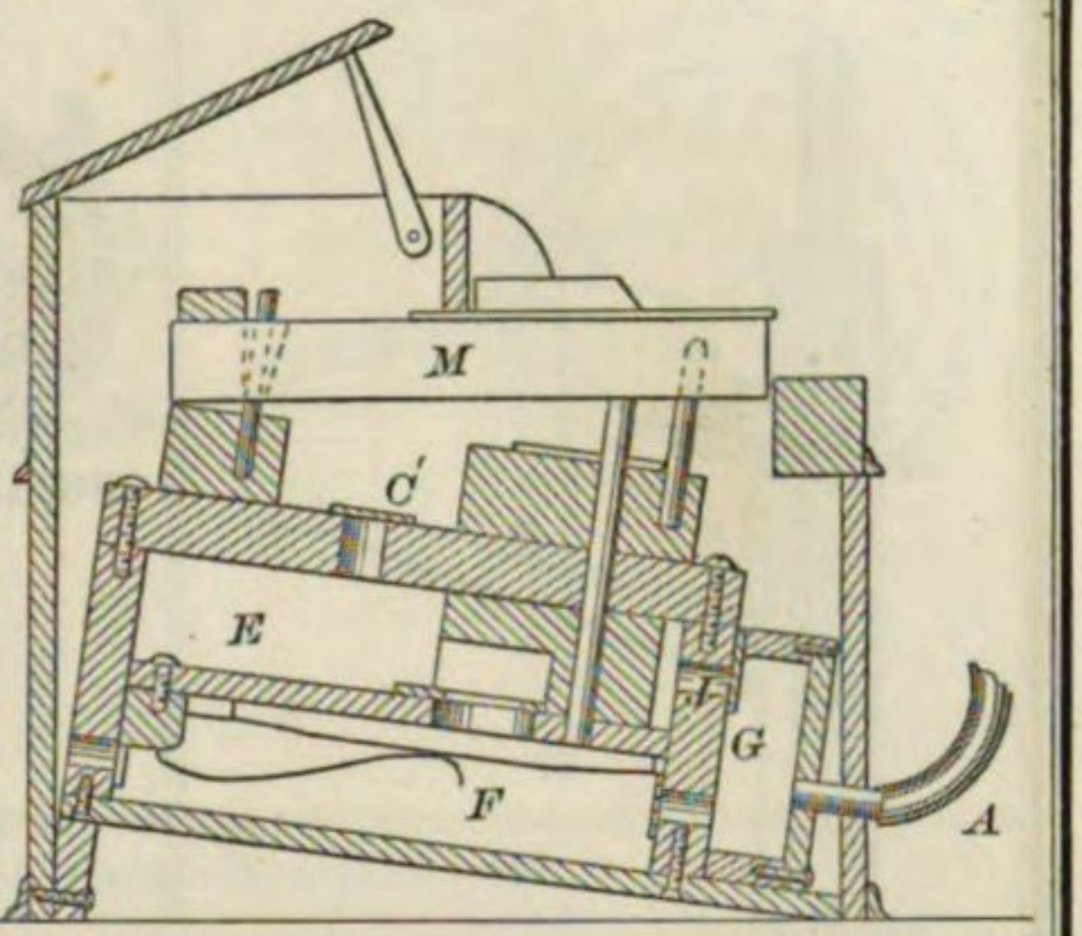
56102—J. S. & I. Rowell—*Cultivator.*



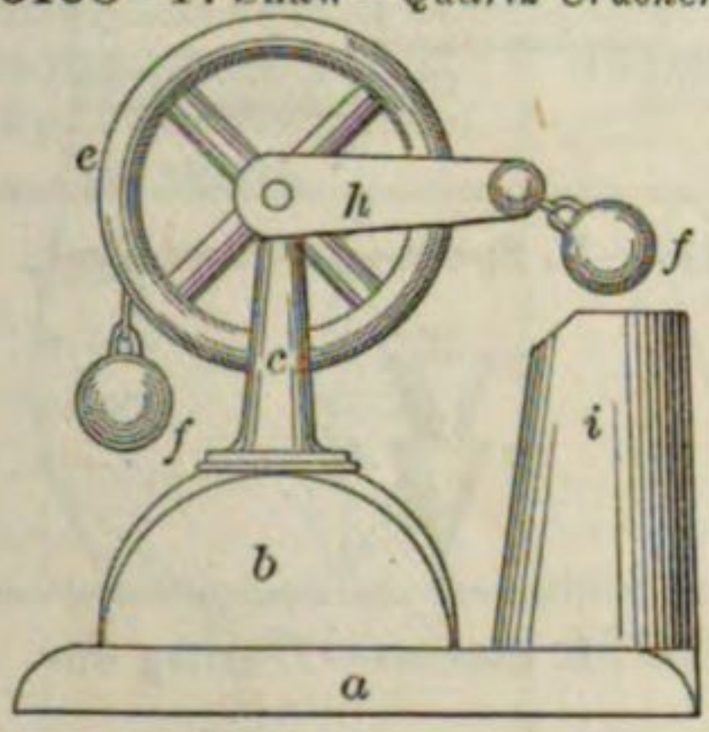
56104—G. Schmidt—*Combined Inkstand, &c.*



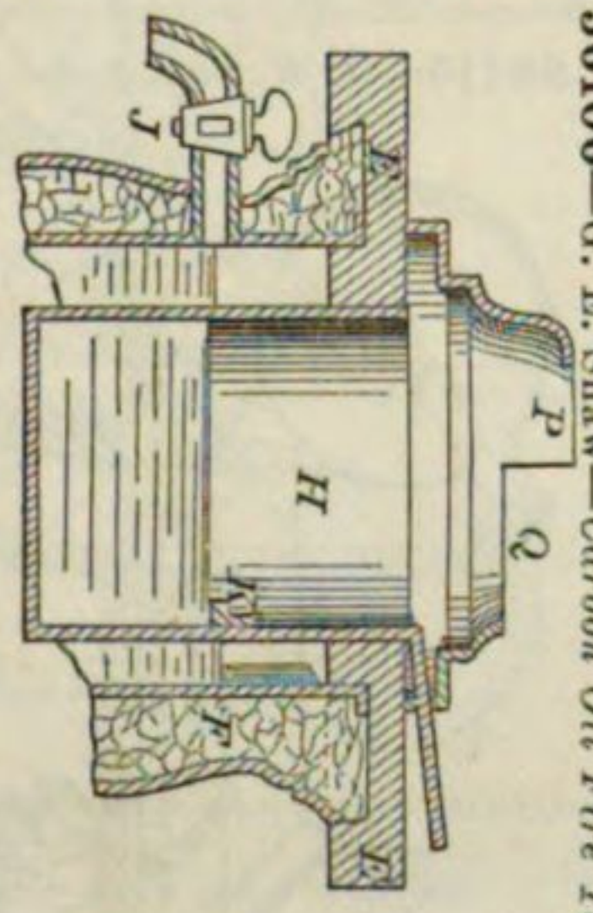
56106—D. Schuyler—*Musical Instrument.*



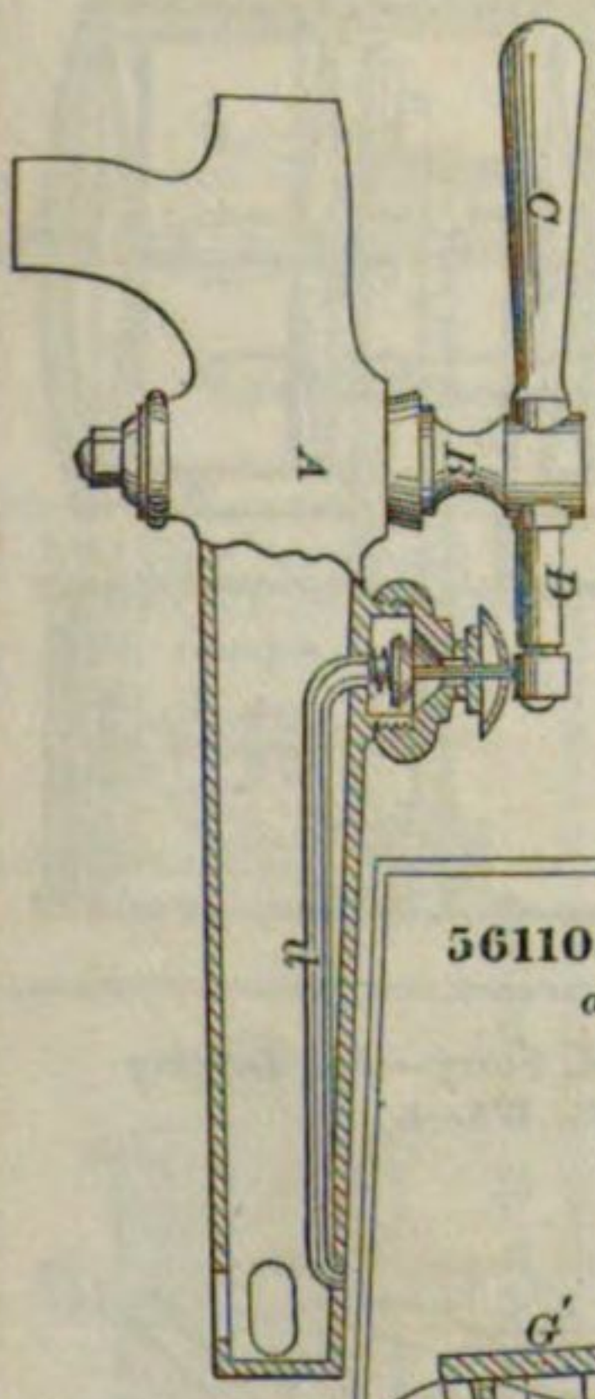
56108—F. Shaw—*Quartz Crusher.*

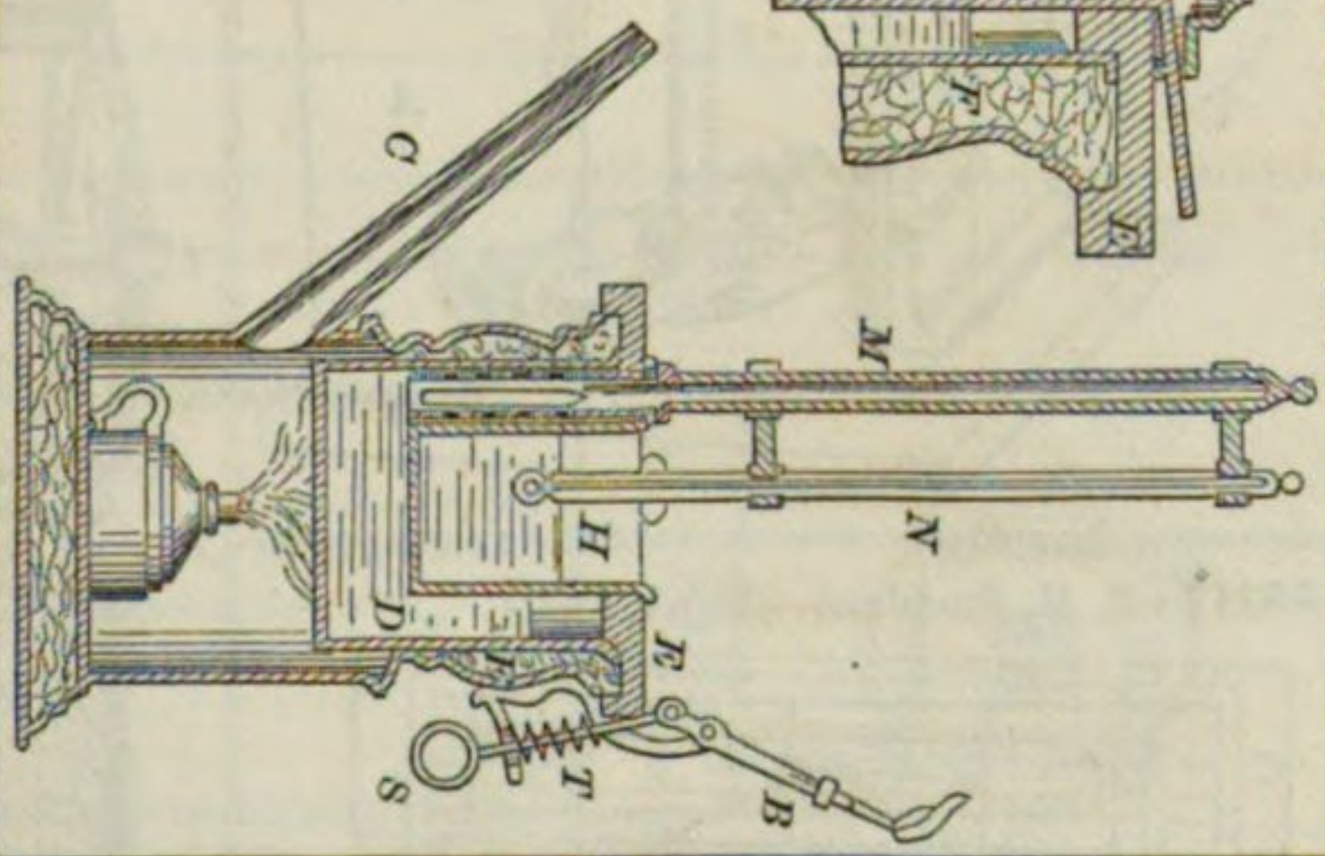


56106—G. E. Shaw—*Carbon Oil Fire Tester.*

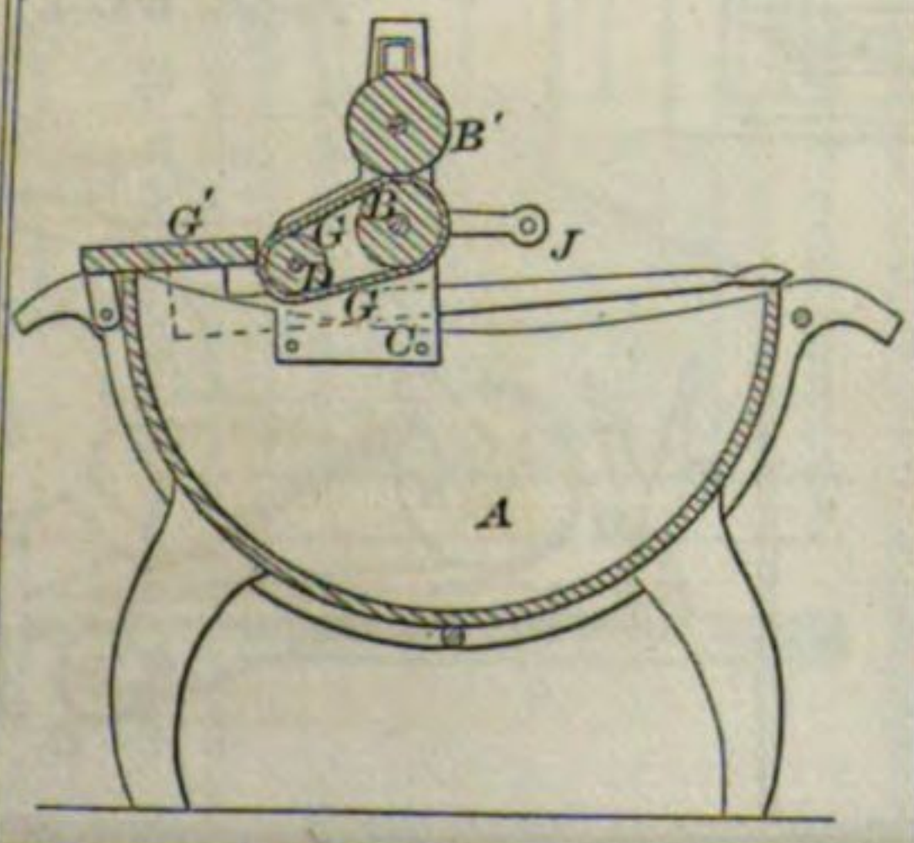


56105—C. Schullian—*Faucet.*

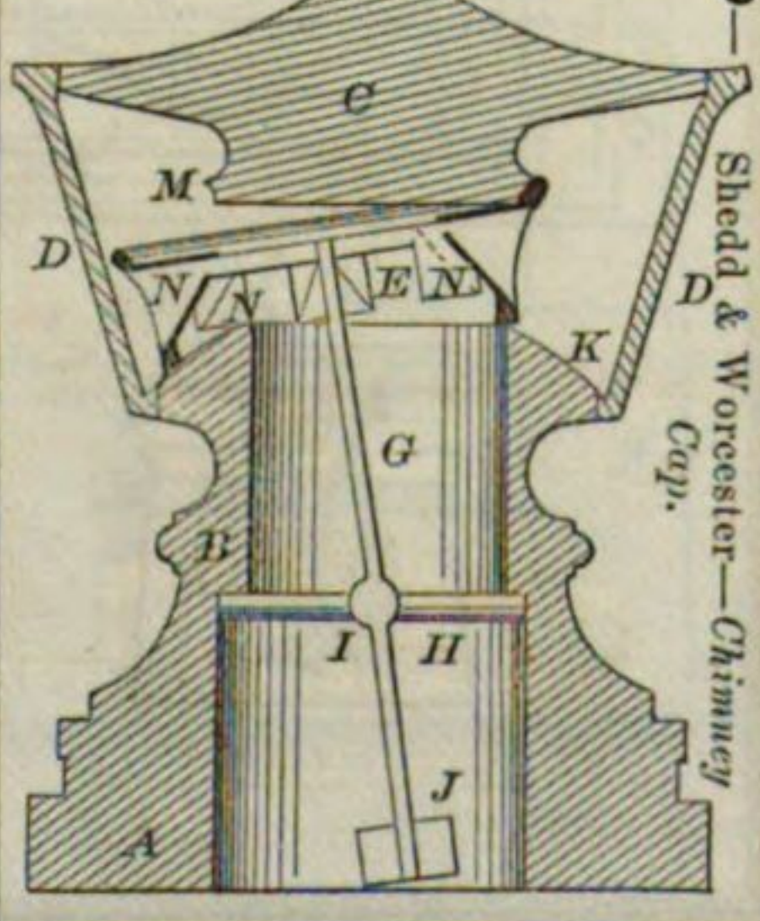




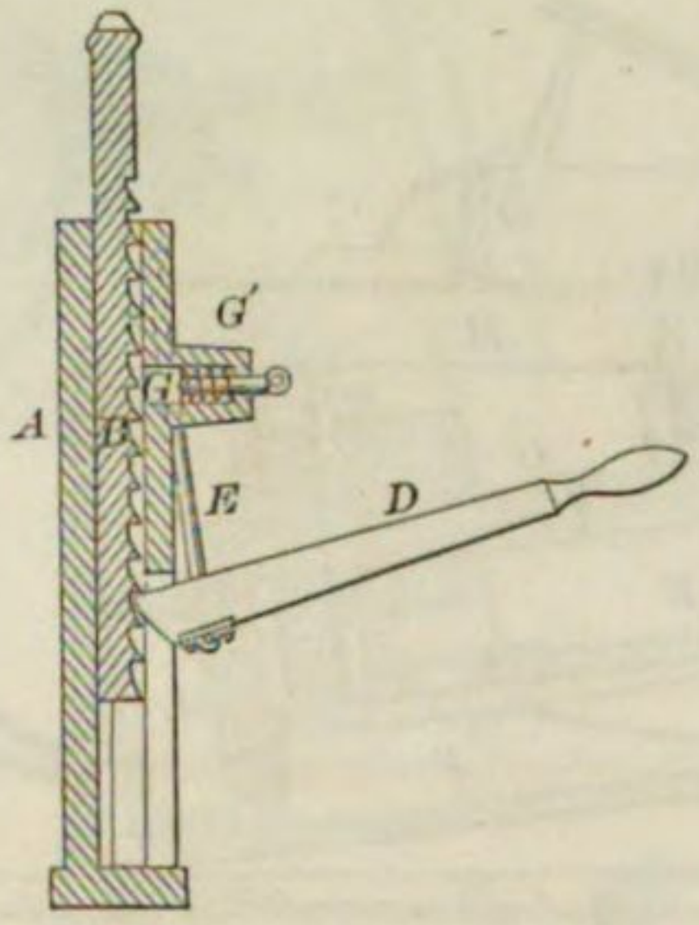
56110—W. S. Shoemaker—*Washing and Wringing Machine.*



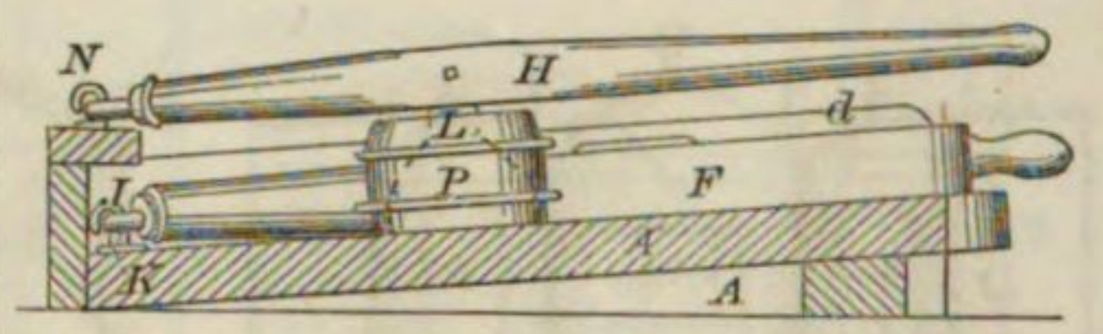
56109—Shedd & Worcester—*Chimney Cap.*



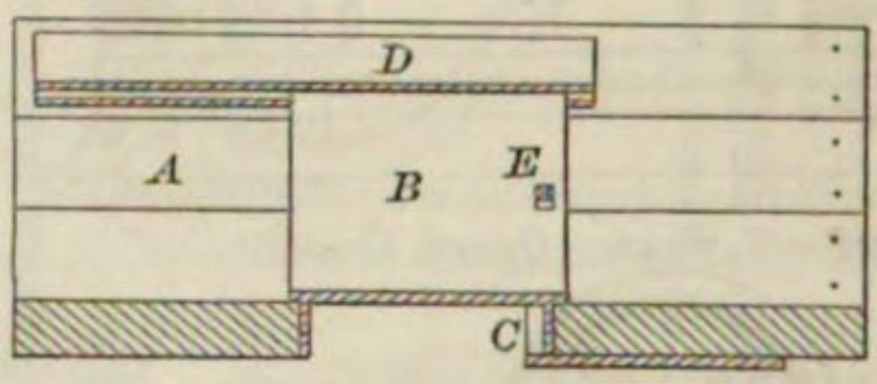
56111—L. Smith—*Lifting Jack.*



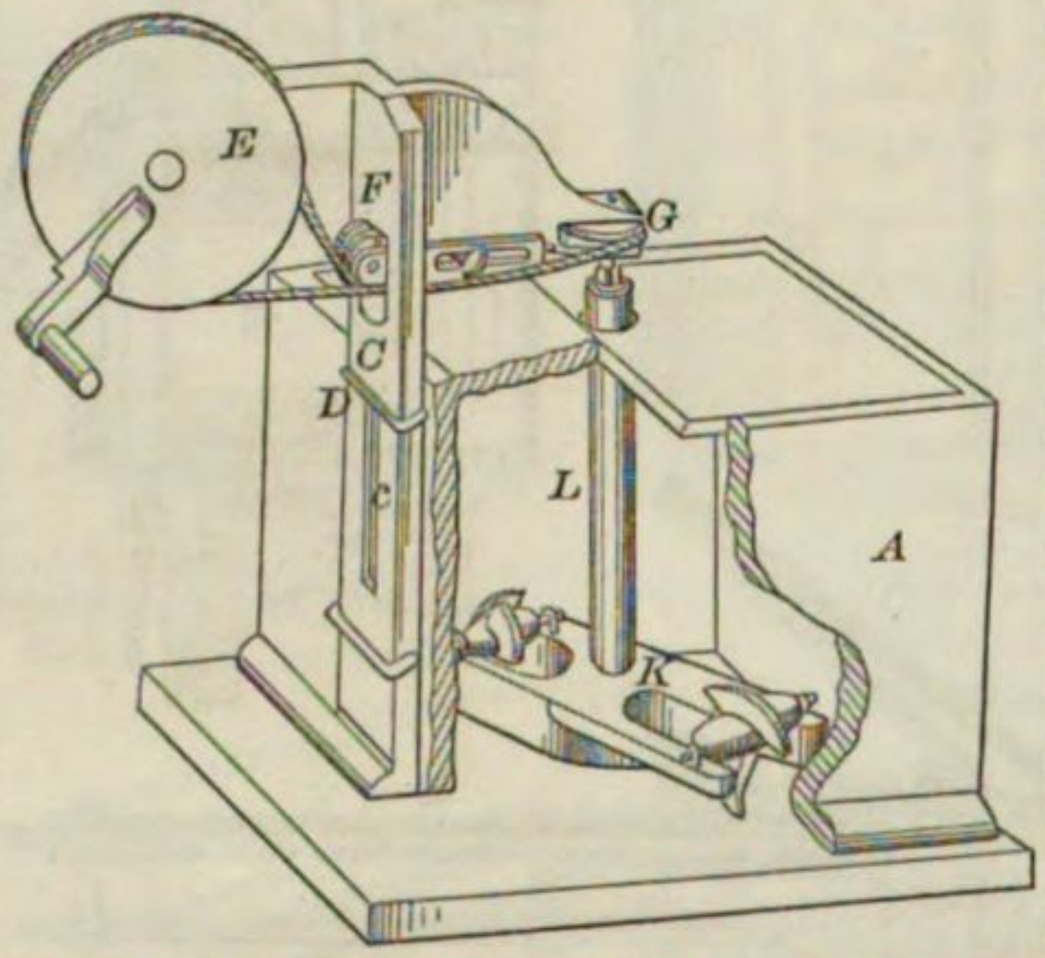
56112—T. D. Smith—*Butter Worker and Mould.*



56113—W. G. Smith—*Car Spittoon.*

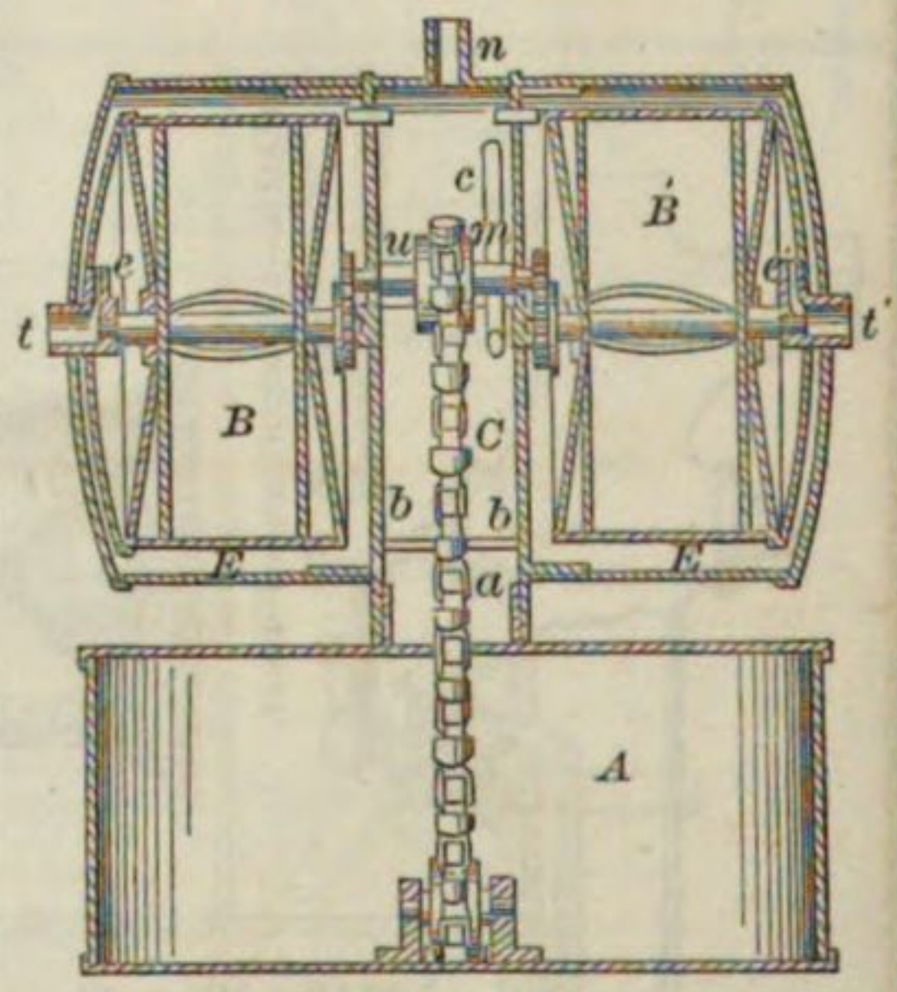


56115—O. W. Stanford—*Churn.*

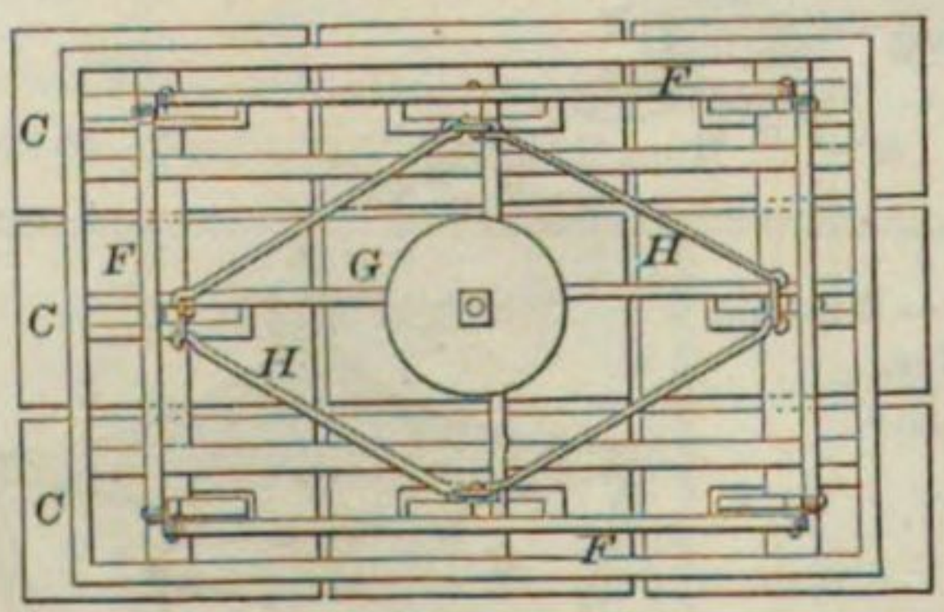


56114—R. Speer—*Nail and Tack.*

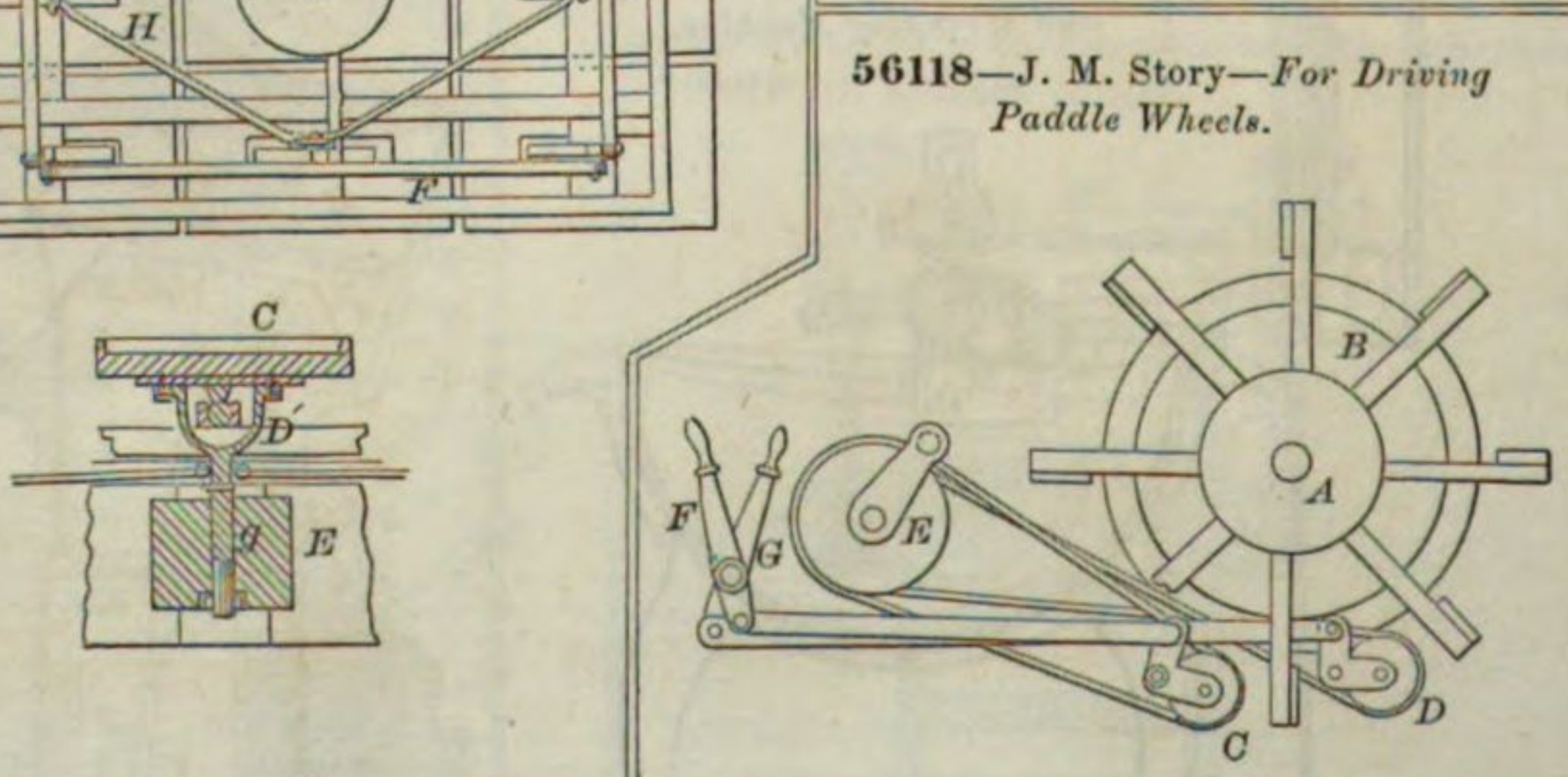
56116—L. Stevens—*Treating Gas.*



56117—I. H. Stoddard—*Ship's Table.*

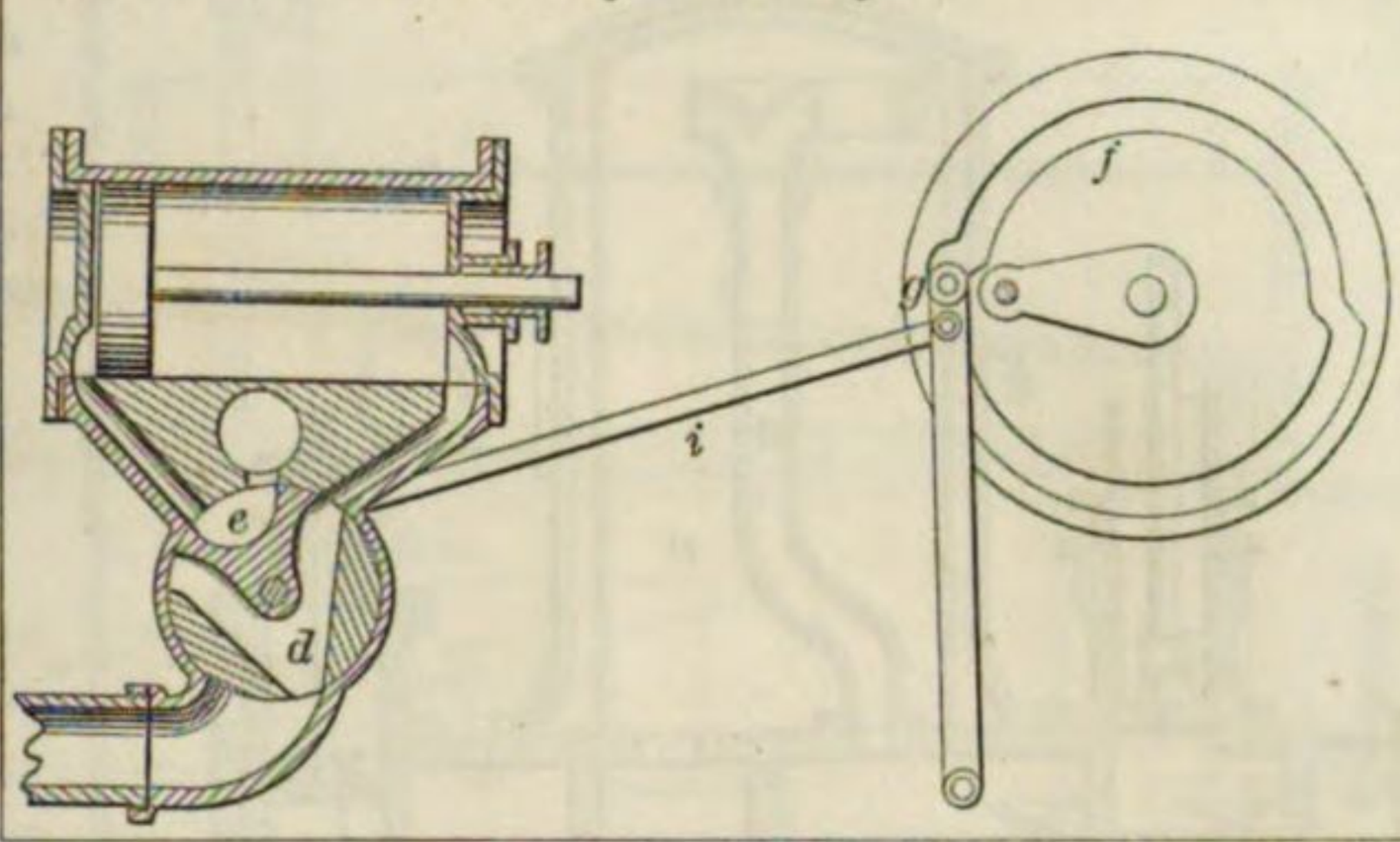


56118—J. M. Story—*For Driving Paddle Wheels.*

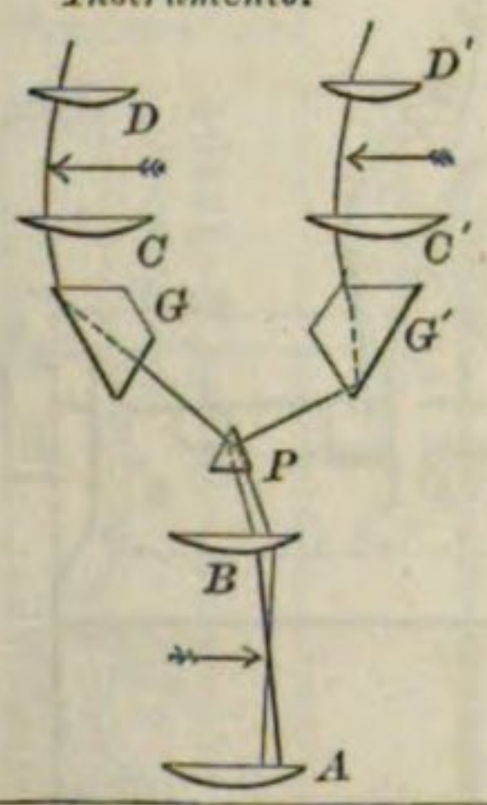


56119—W. D. Stroud—*Broom Head.*

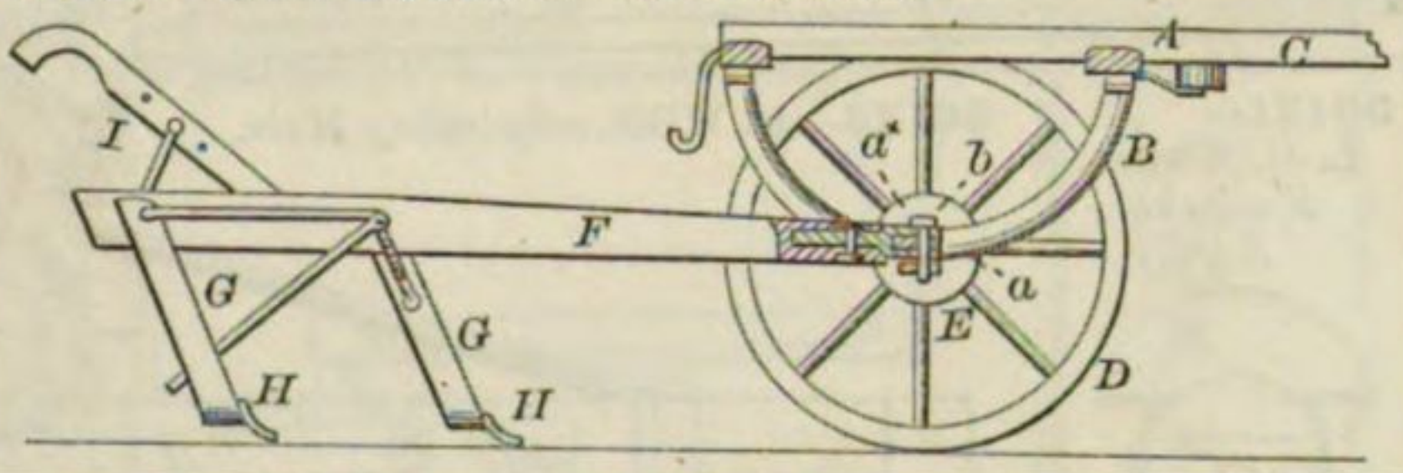
56120—H. H. Stuart—*Hydraulic Engine.*



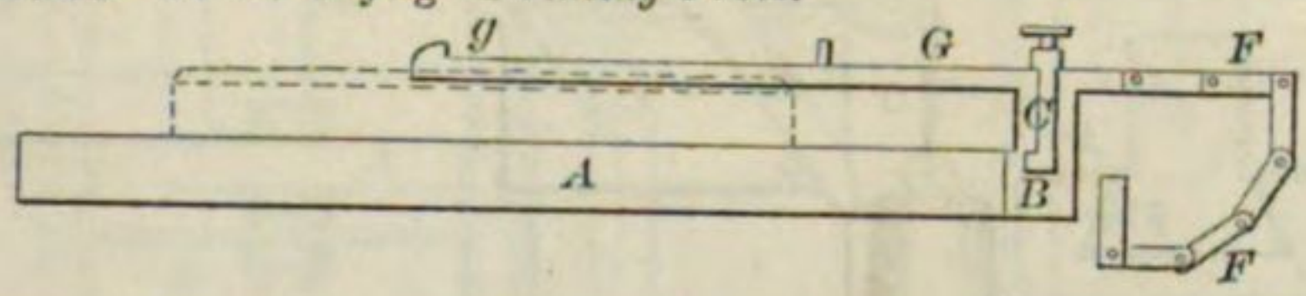
56125—R. B. Tolles—*Eye Piece for Optical Instruments.*



56122—C. W. Taliaferro—*Corn Cultivator.*

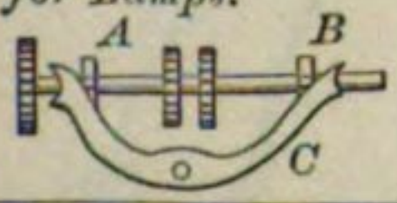


56123—J. W. Thyng—*Printing Press.*

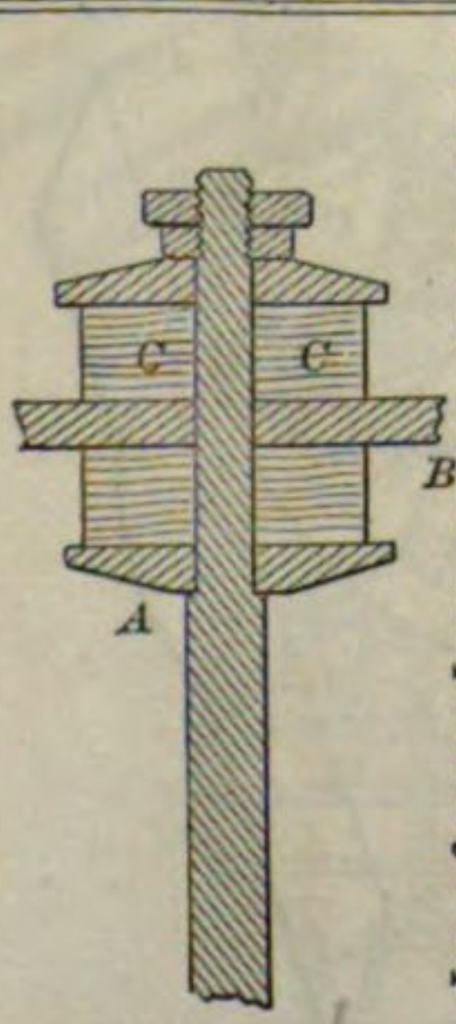


56124—L. Till—*Nut.*

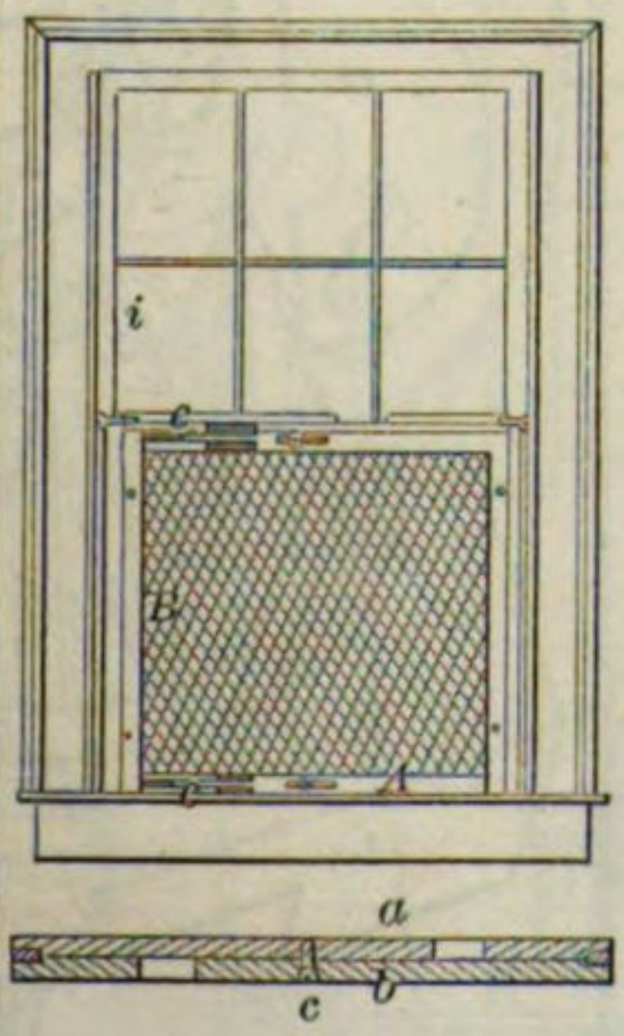
56126—Topping & Gally—*Ratchet Wheel for Lamps.*



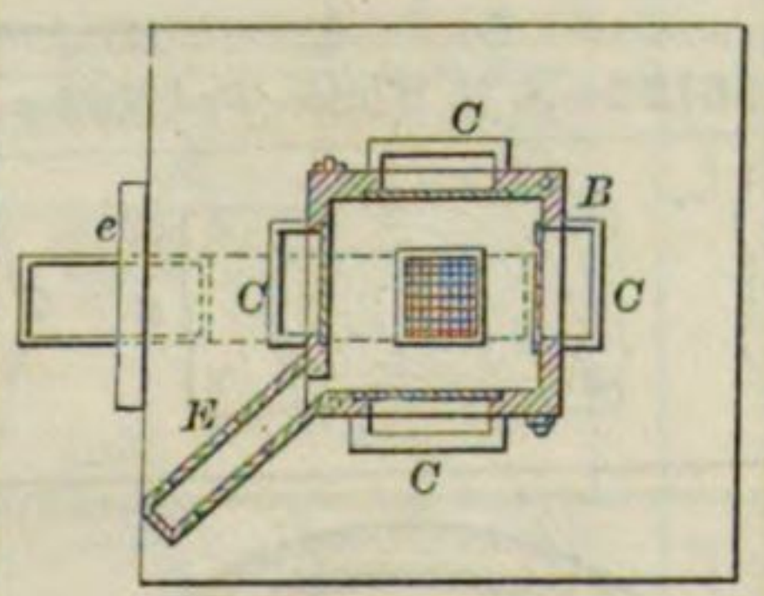
56129—D. M. Weston—*Reciprocating Pump.*



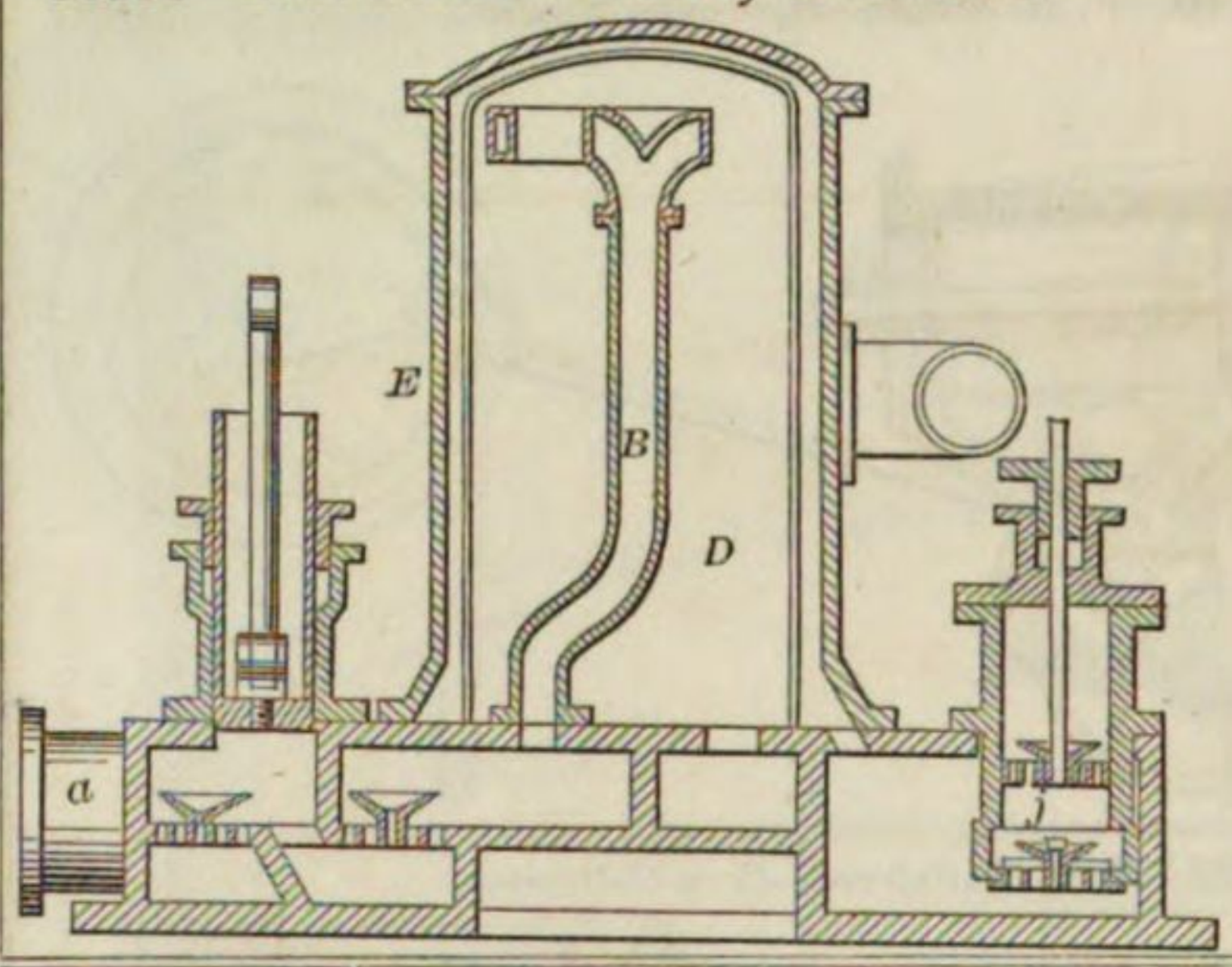
56128—C. L. S. Walker—*Mosquito Bar.*



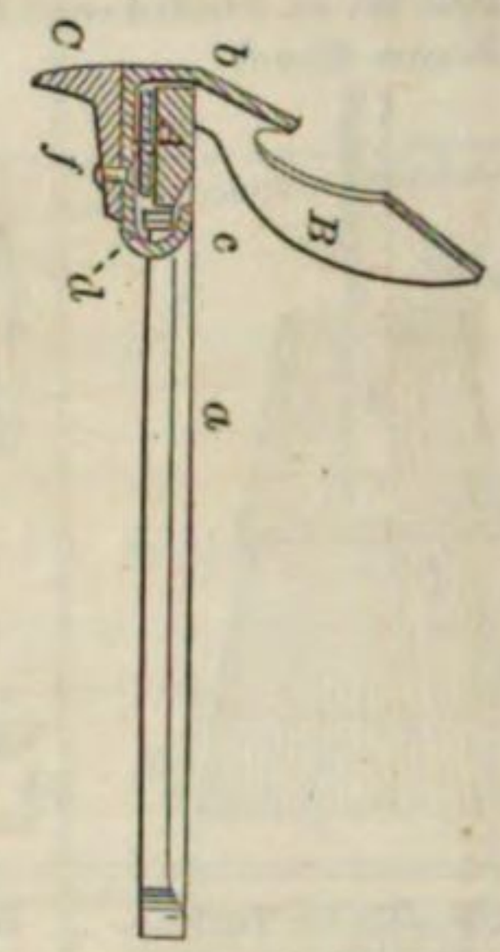
56127—J. Wash—*Beehive.*



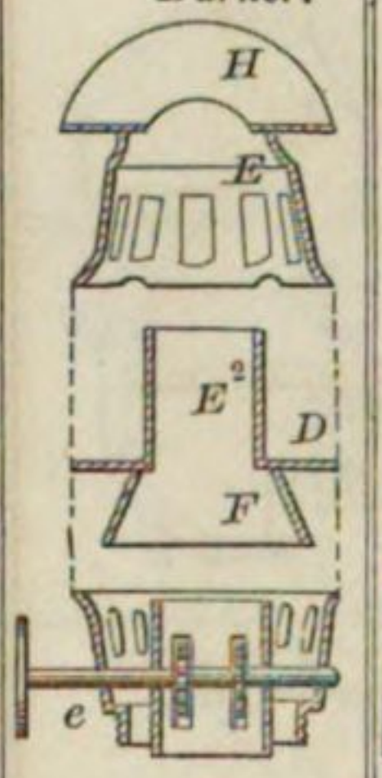
56130—N. P. Wheeler—*Method of Condensation.*



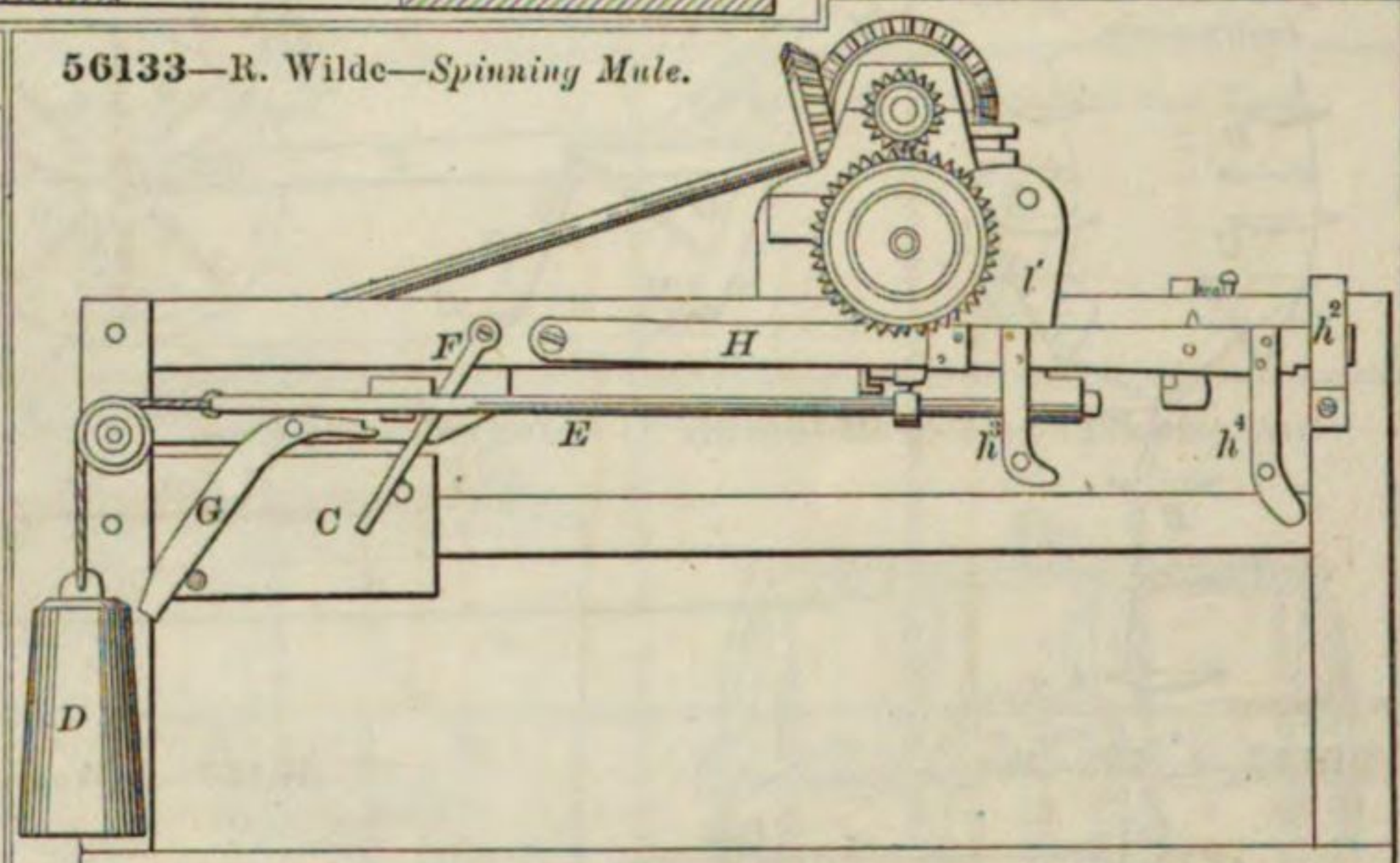
56134—A. S. Wilkinson—*Horse Shoe.*



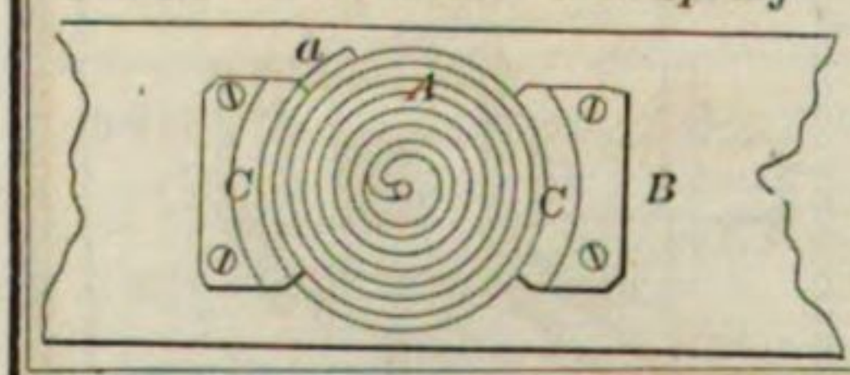
56131—L. C. White—*Kerosene Burner.*



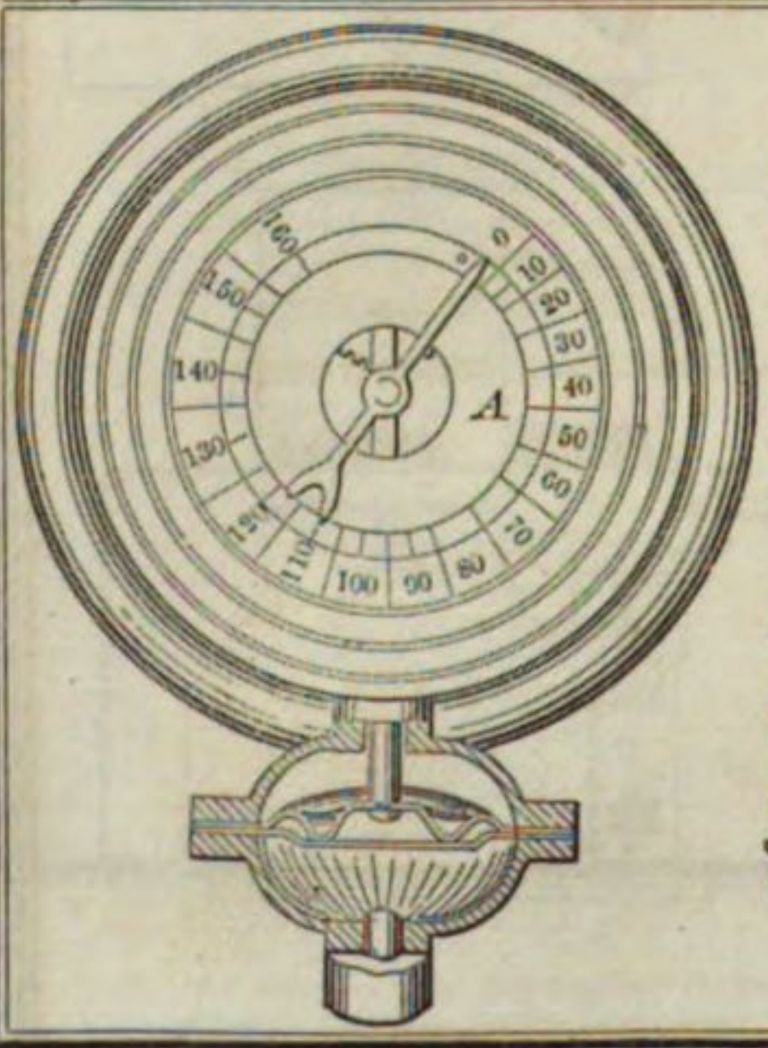
56133—R. Wilde—*Spinning Mule.*



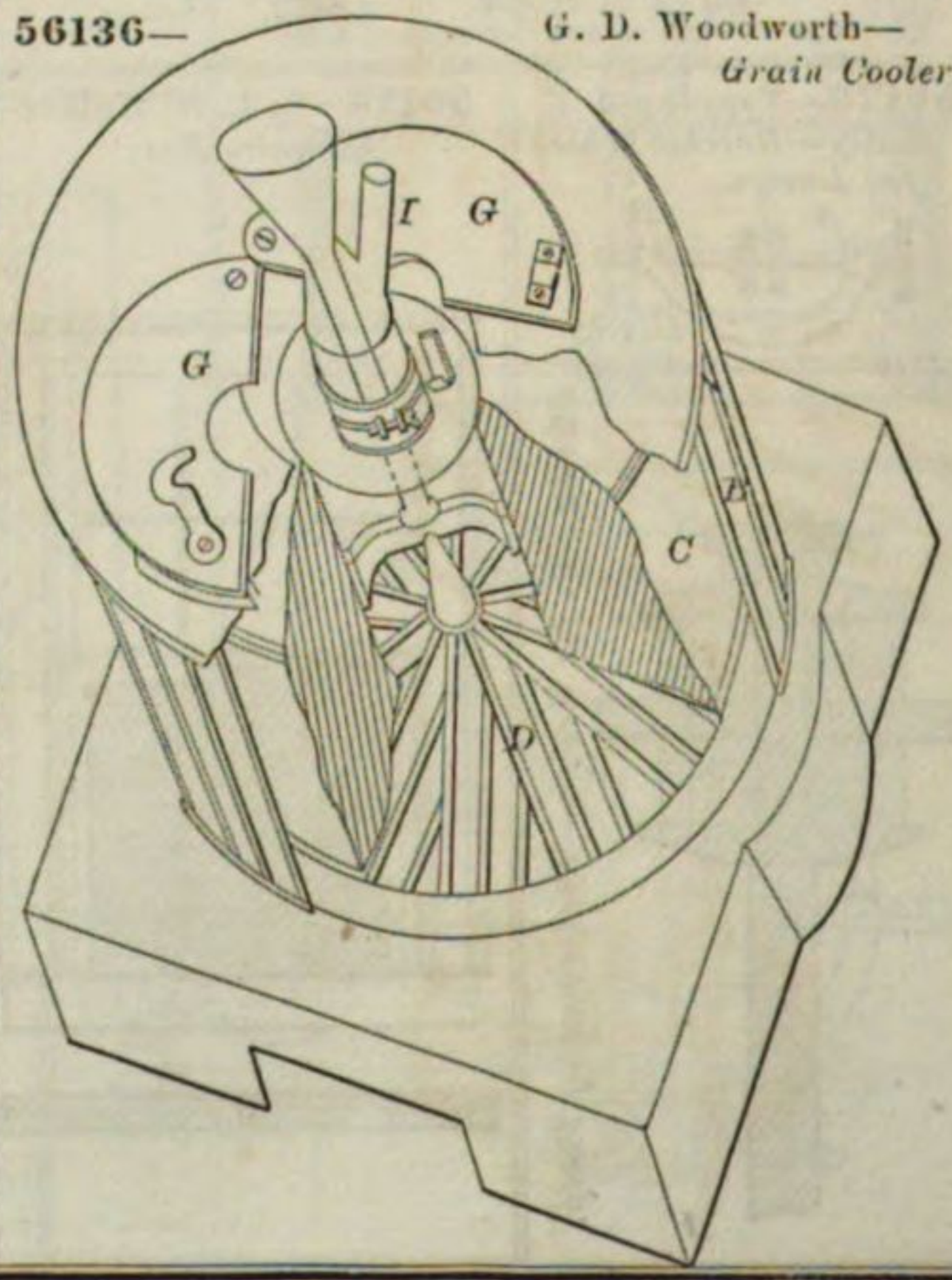
56132—N. B. White—*Bed Spring*



56135—C. A. Wilson—*Steam Gauge.*

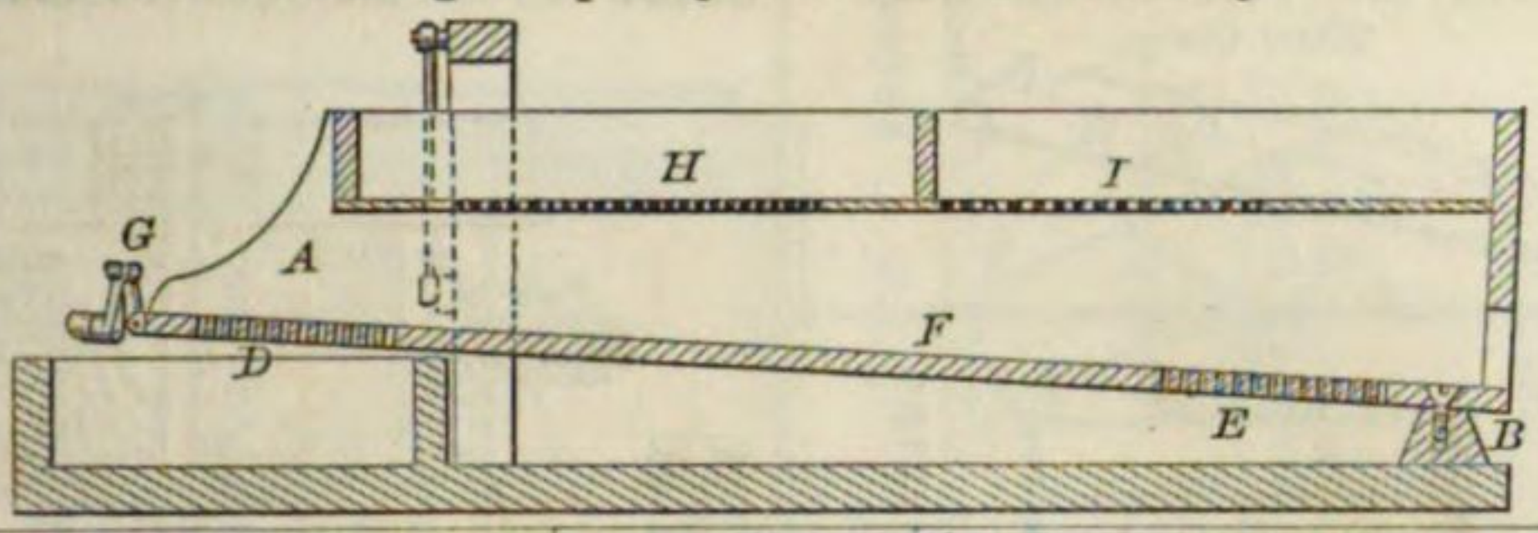


56136—G. D. Woodworth—*Grain Cooler.*

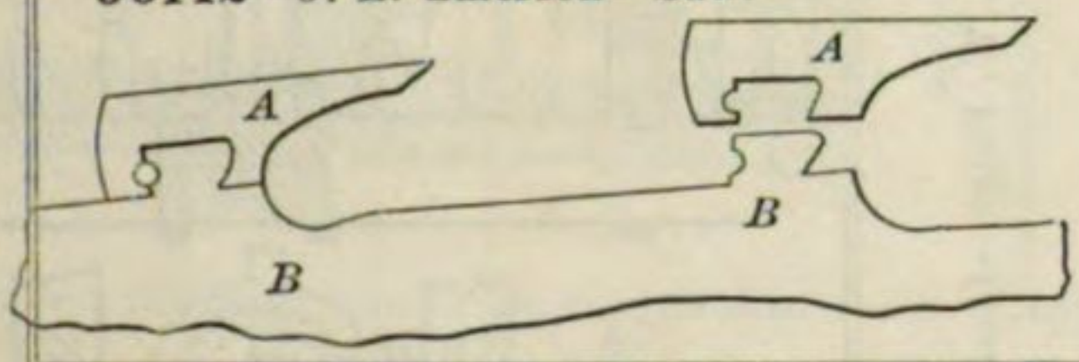


56137—W. G. Wright—*Tubular Well.*

56140—W. Blessing—*Preparing Cotton Seed for Planting.*

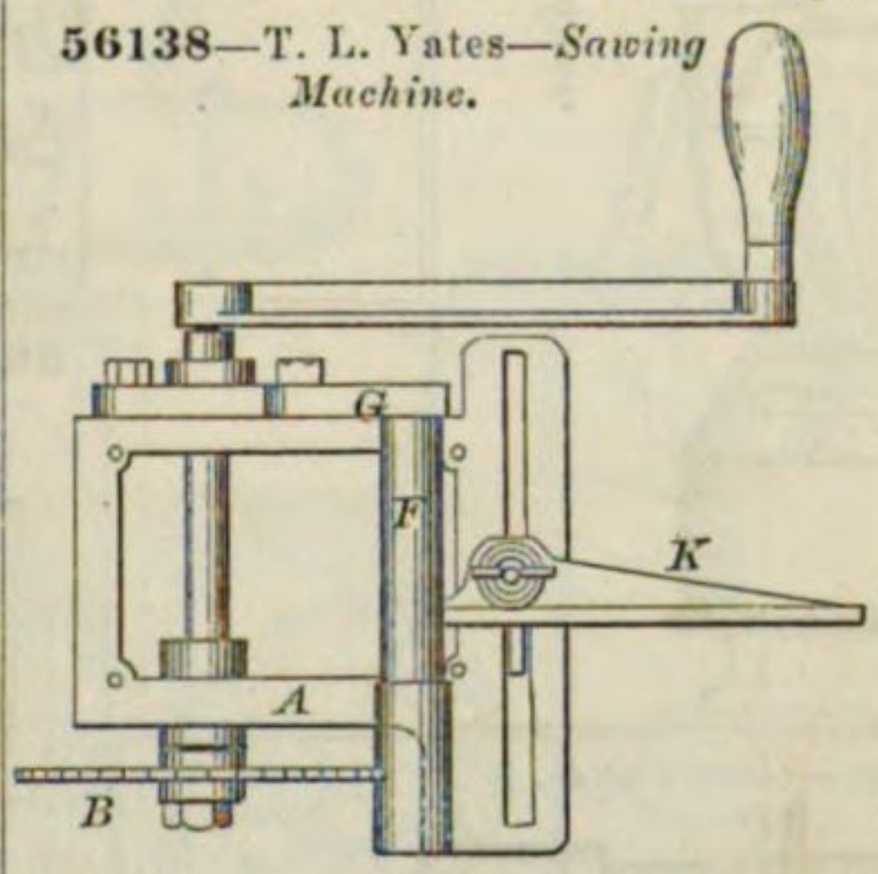


56142—J. E. Emerson—*Saw.*



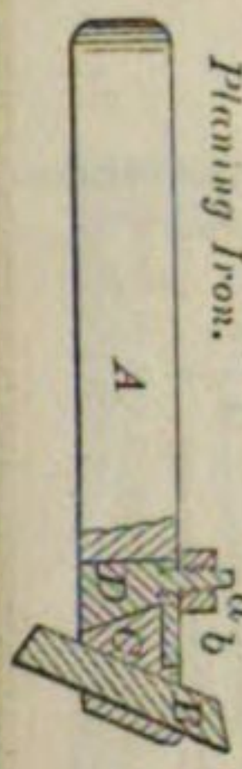
56139—C. H. Bagley—*Safety Pocket.*

56138—T. L. Yates—*Sawing Machine.*

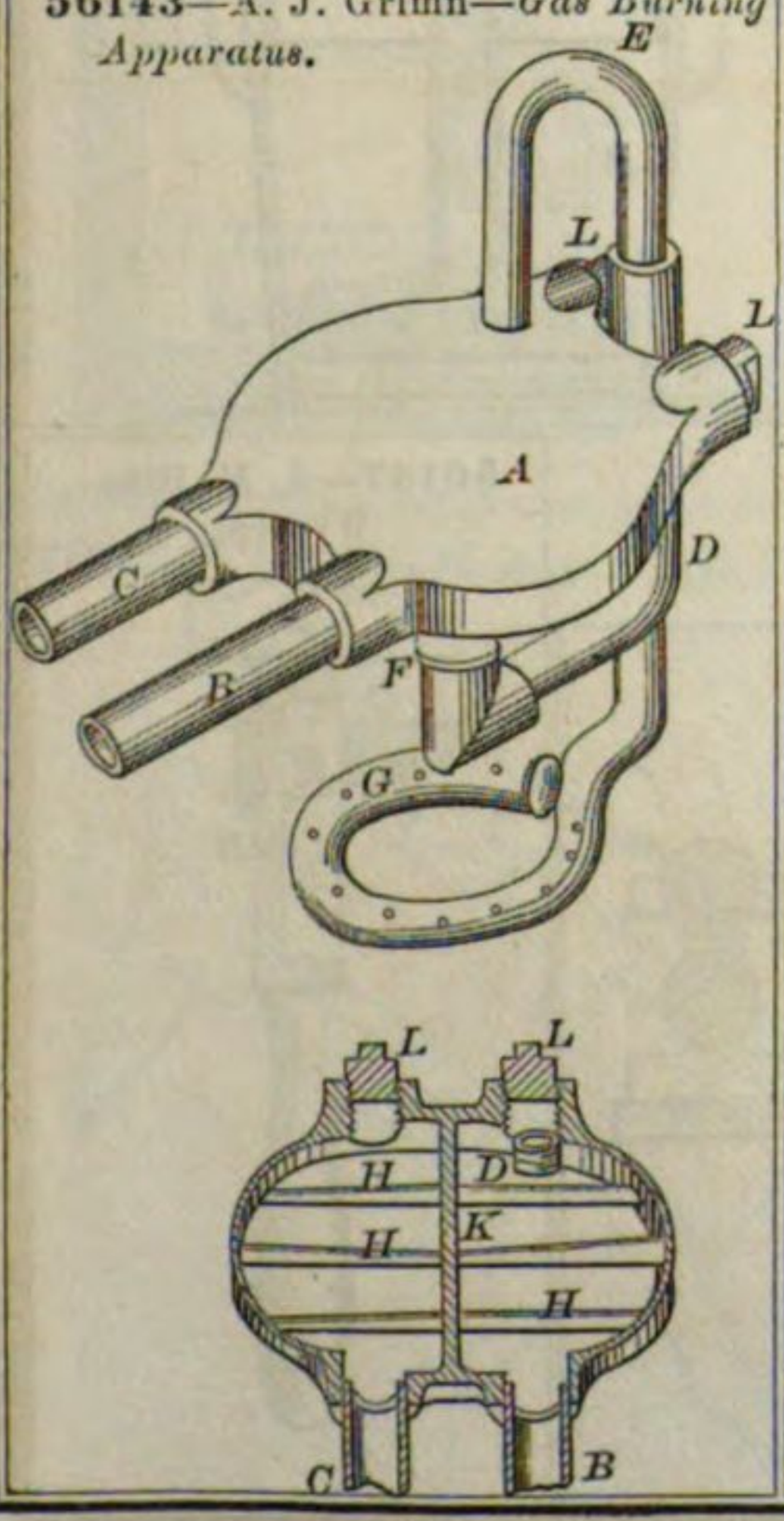


56144—L. Harrington—*Knife for Removing Hair from Hides.*

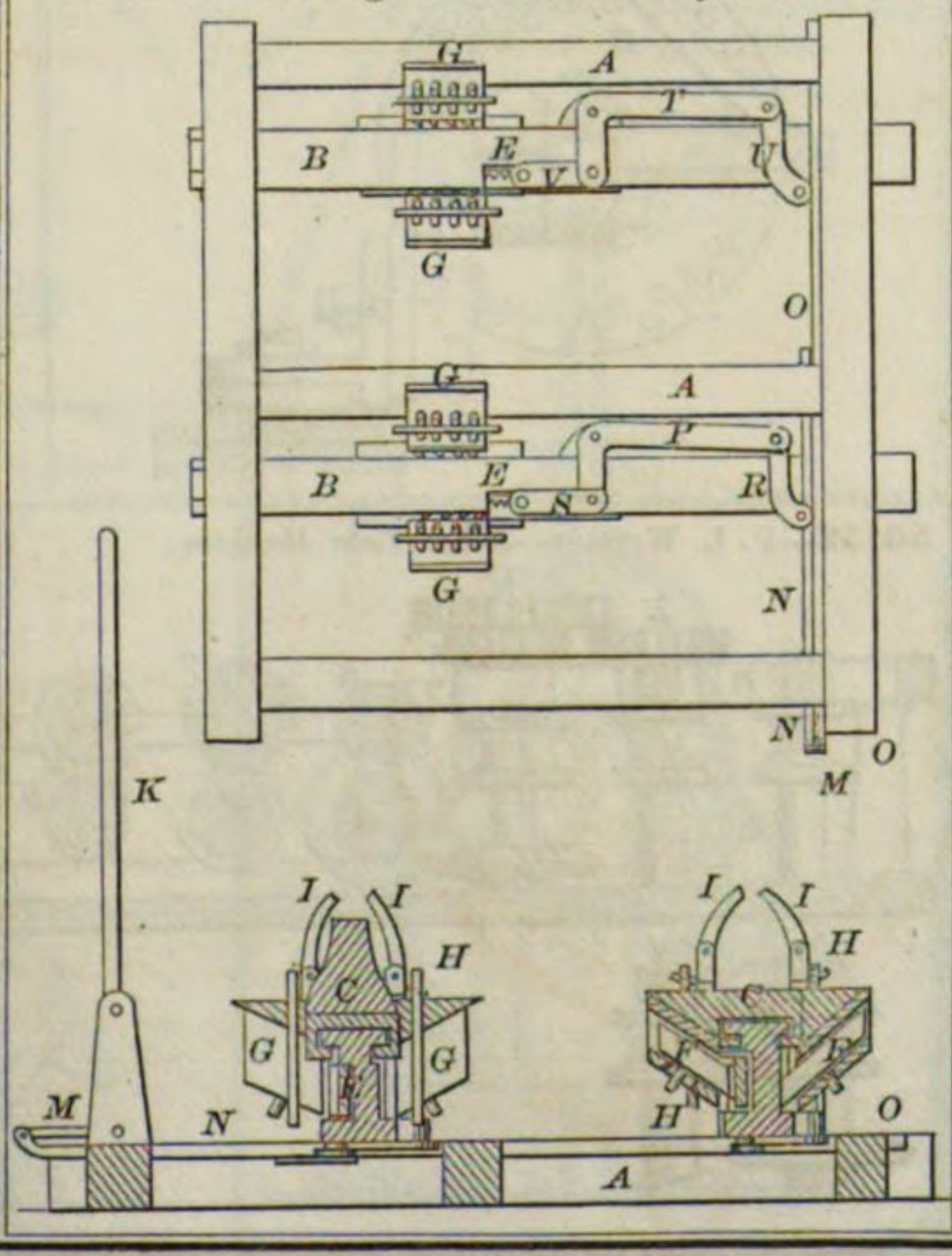
56141—T. Cooper—*Turning or Planing Iron.*



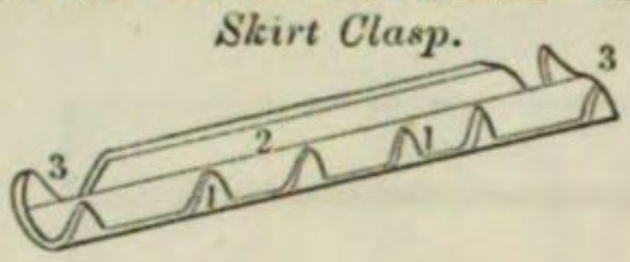
56143—A. J. Griffin—*Gas Burning Apparatus.*



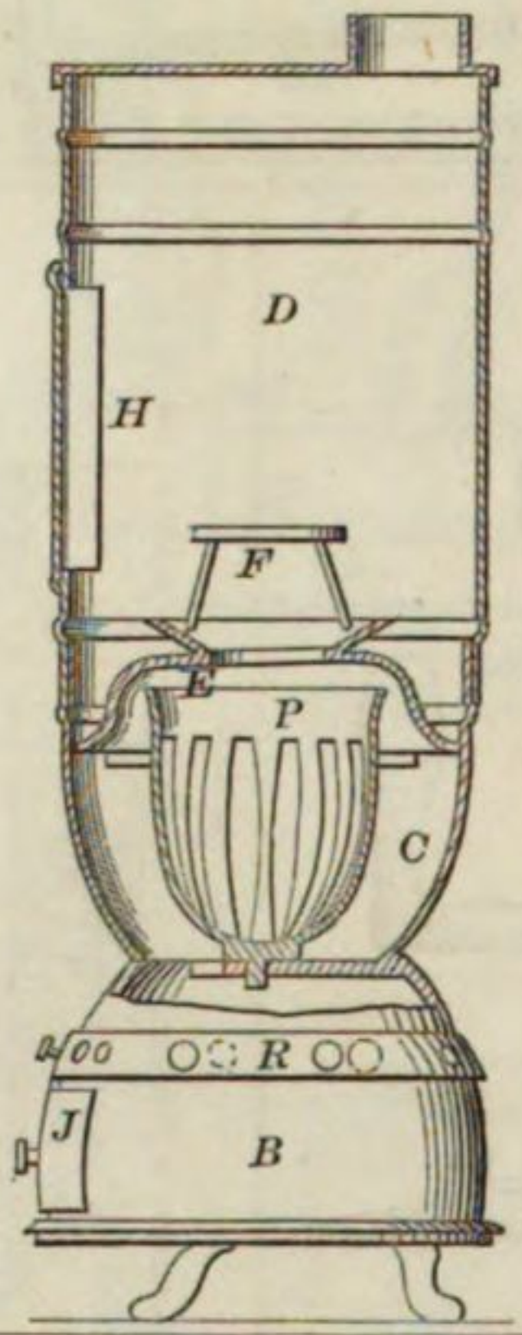
56145—C. Lellingwell—*Head Block for Saw Mills.*



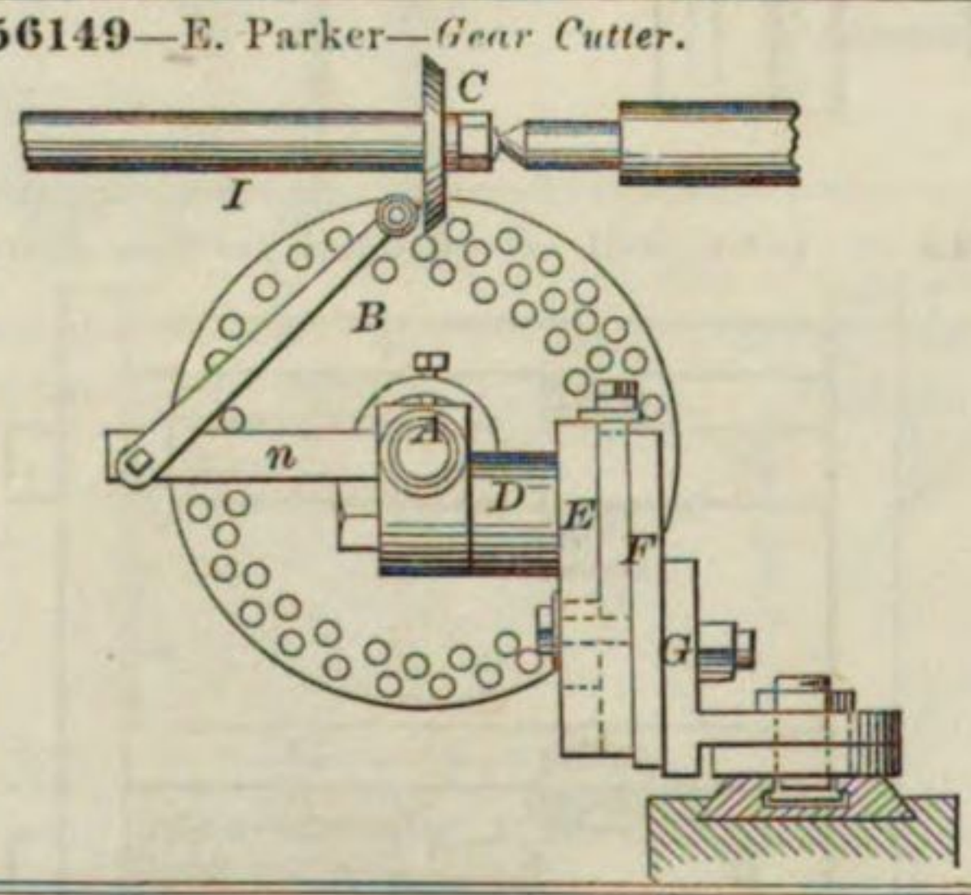
56146—L. W. McFarland—*Hoop Skirt Clasp.*



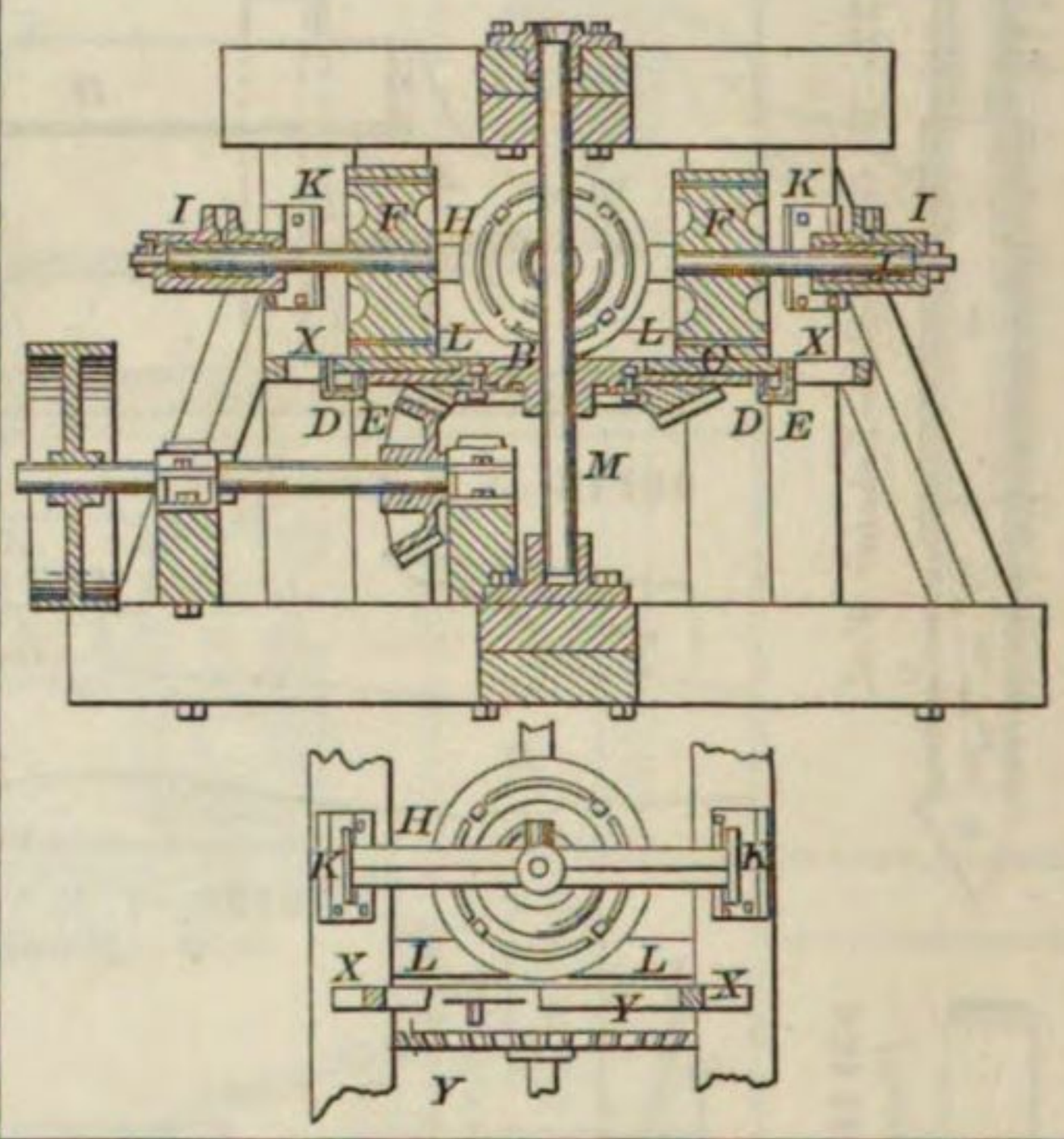
56148—J. W. Paige—*Coal Stove.*



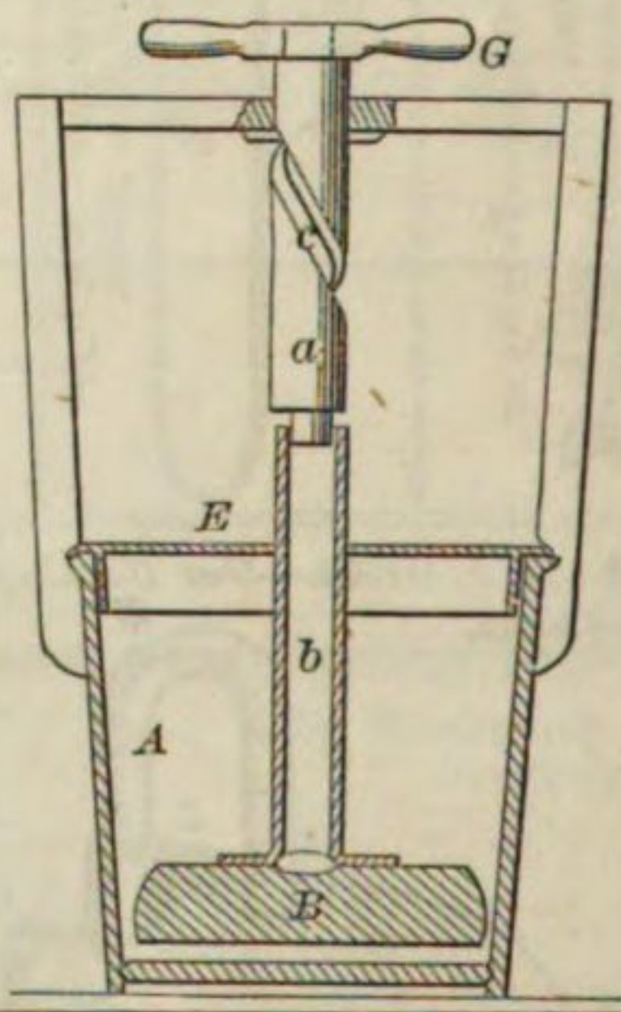
56149—E. Parker—*Gear Cutter.*



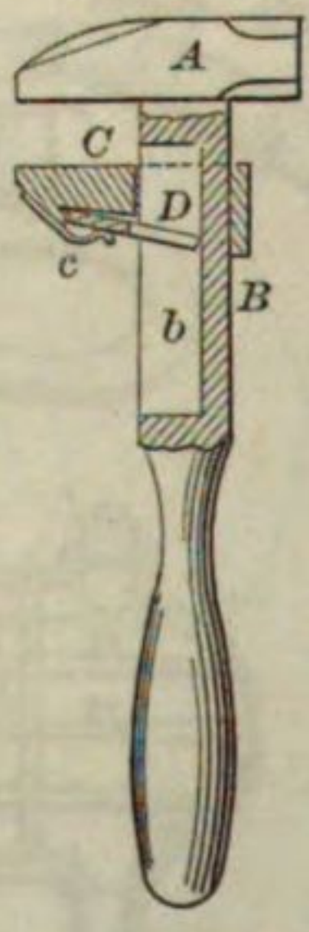
56150—S. B. Pike—*Quartz Crusher.*



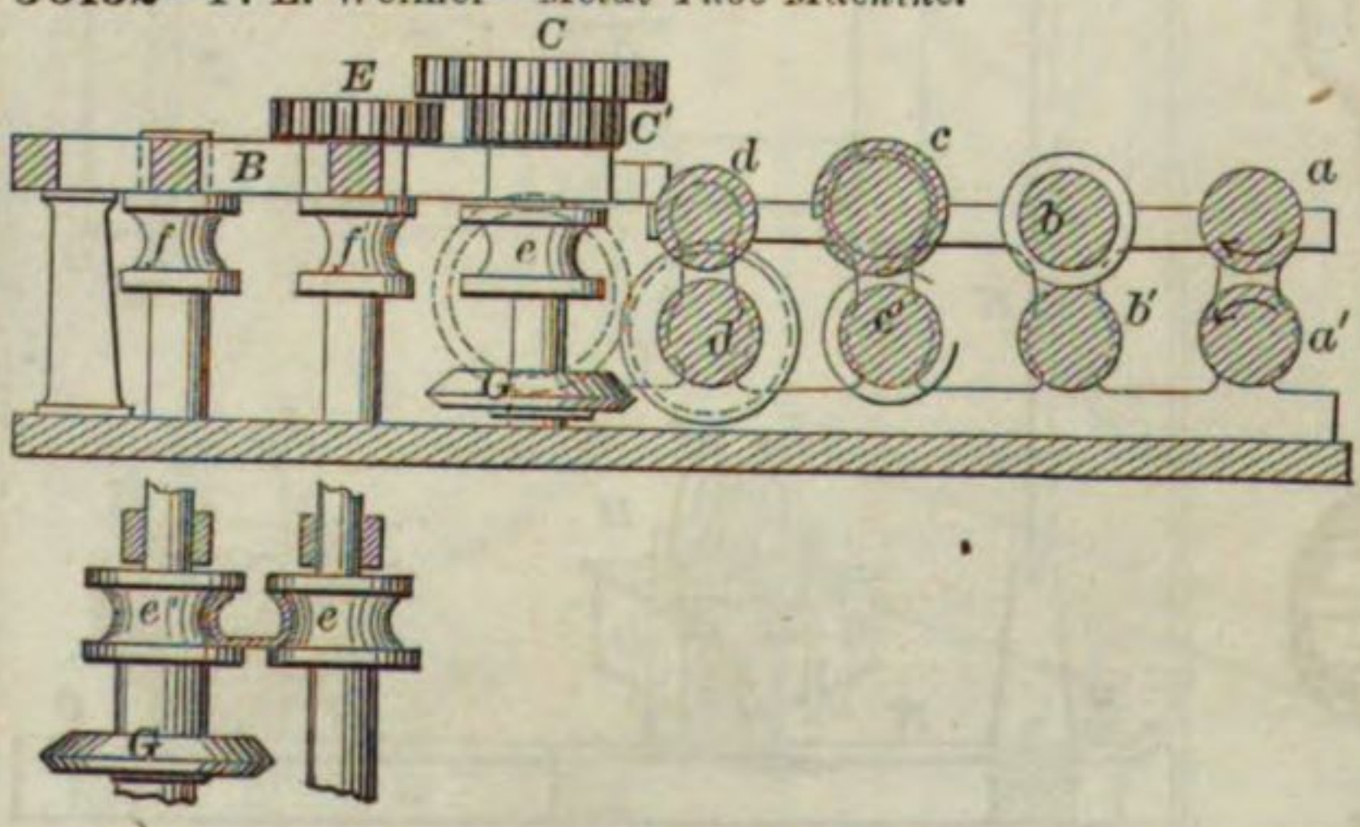
56153—G. L. Witsil—*Churn.*



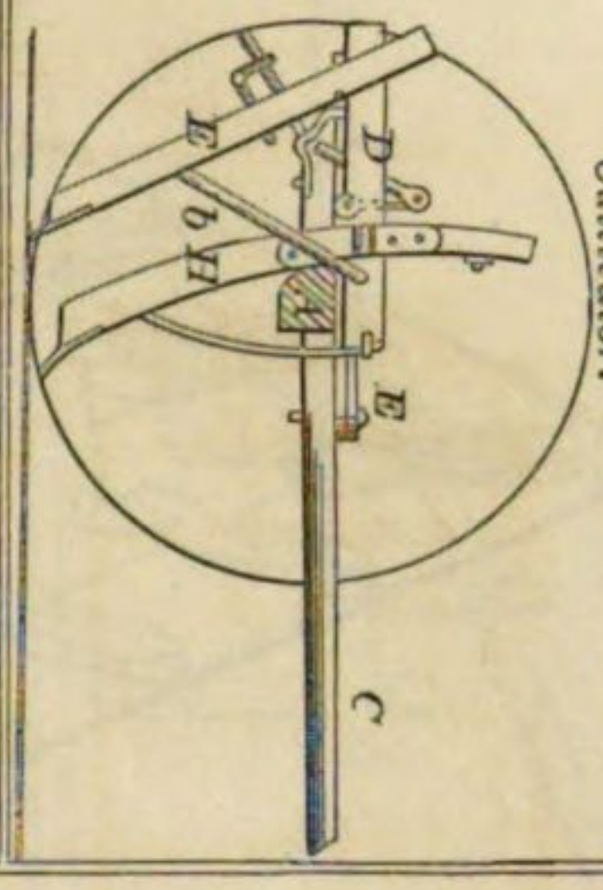
56147—A. M. Olds—*Wrench.*



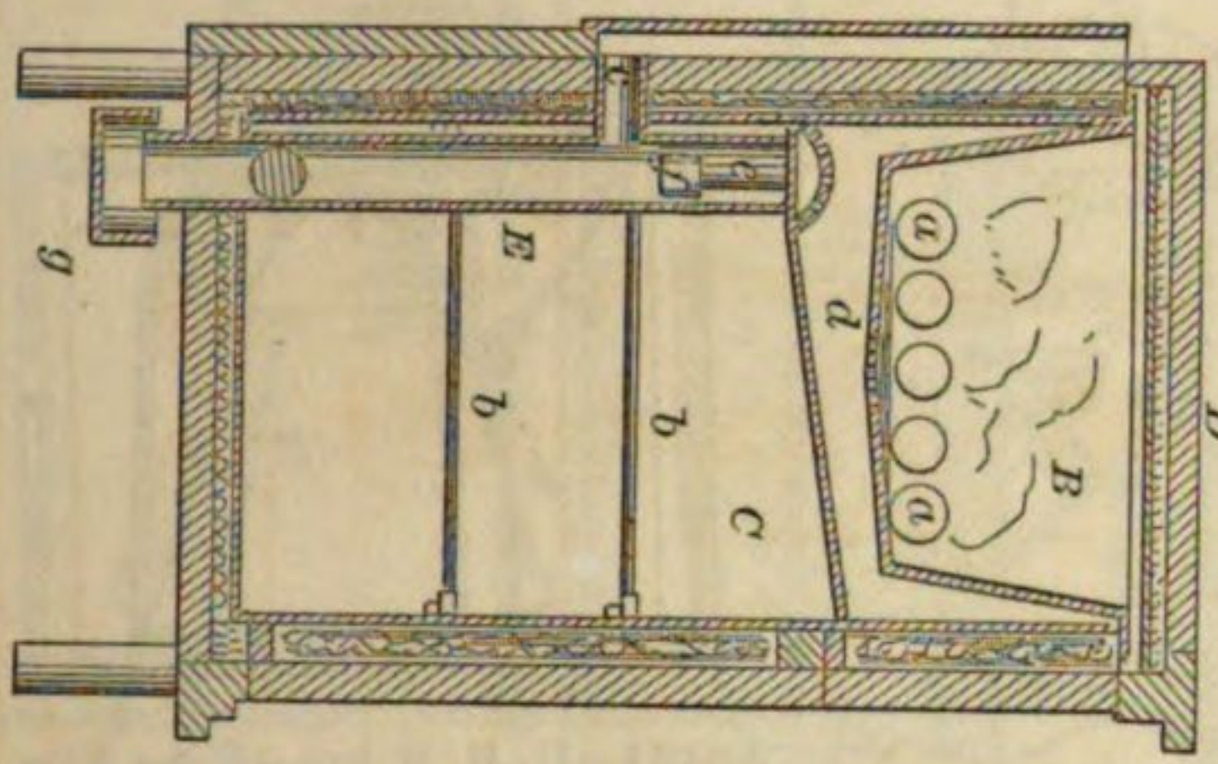
56152—P. L. Weimer—*Metal Tube Machine.*



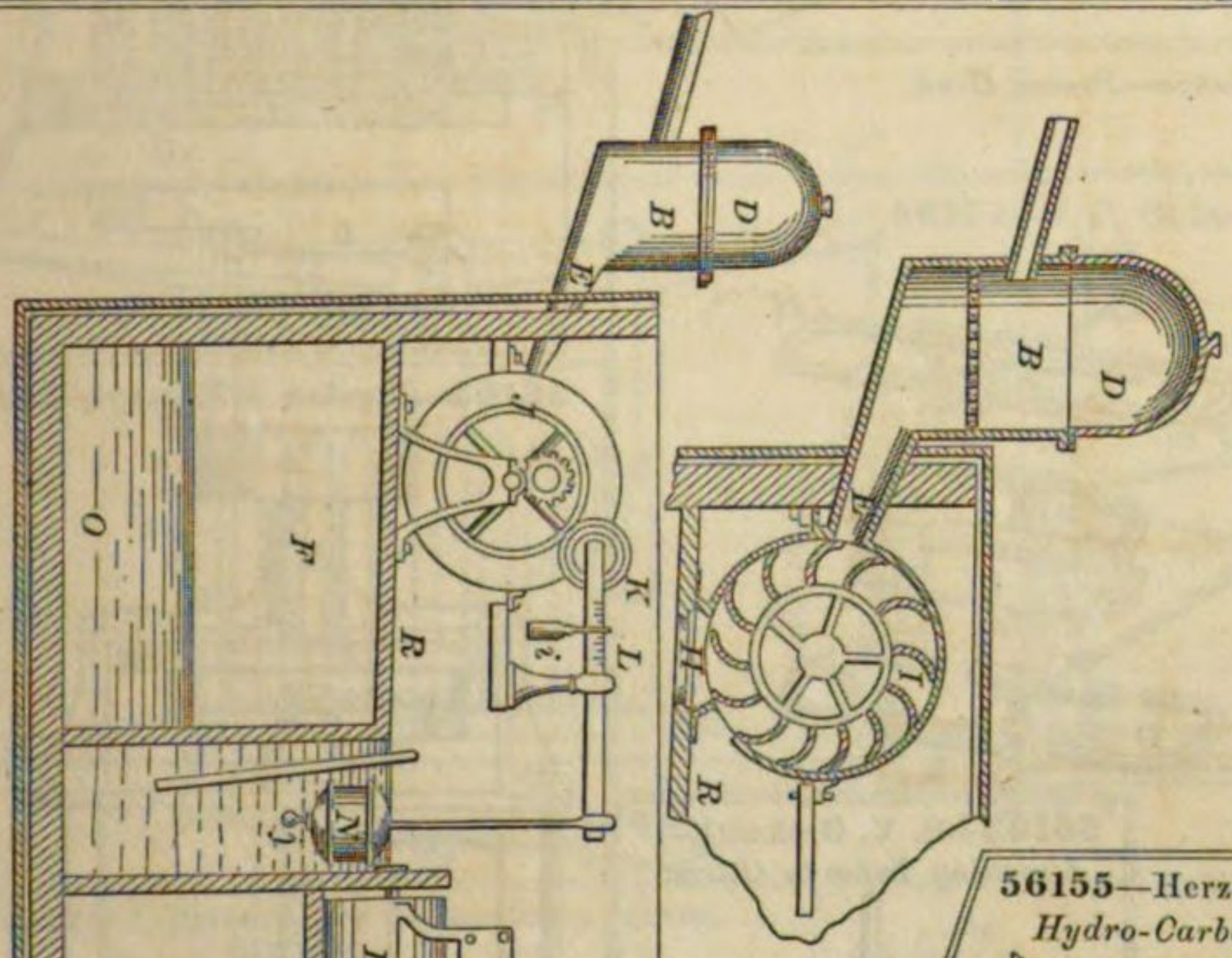
56157—Anderson & Edwards—*Cultivator.*



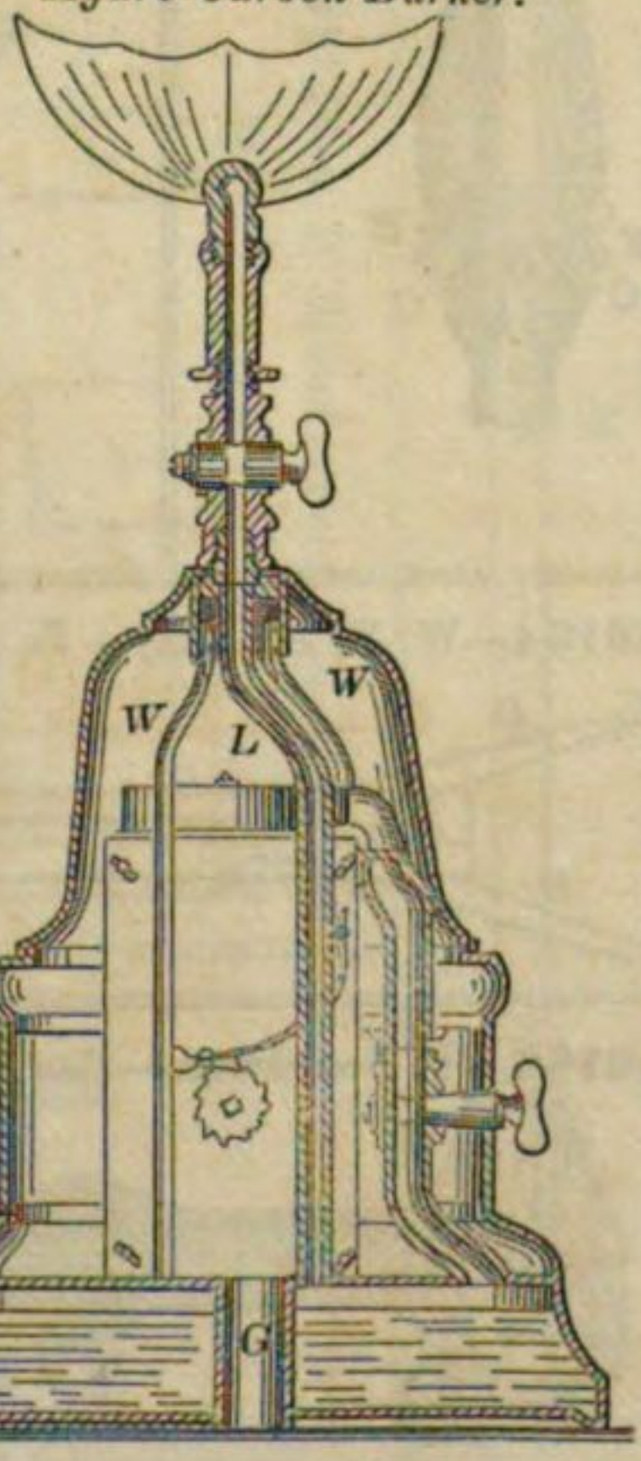
56154—J. Worrall—*Refrigerator.*



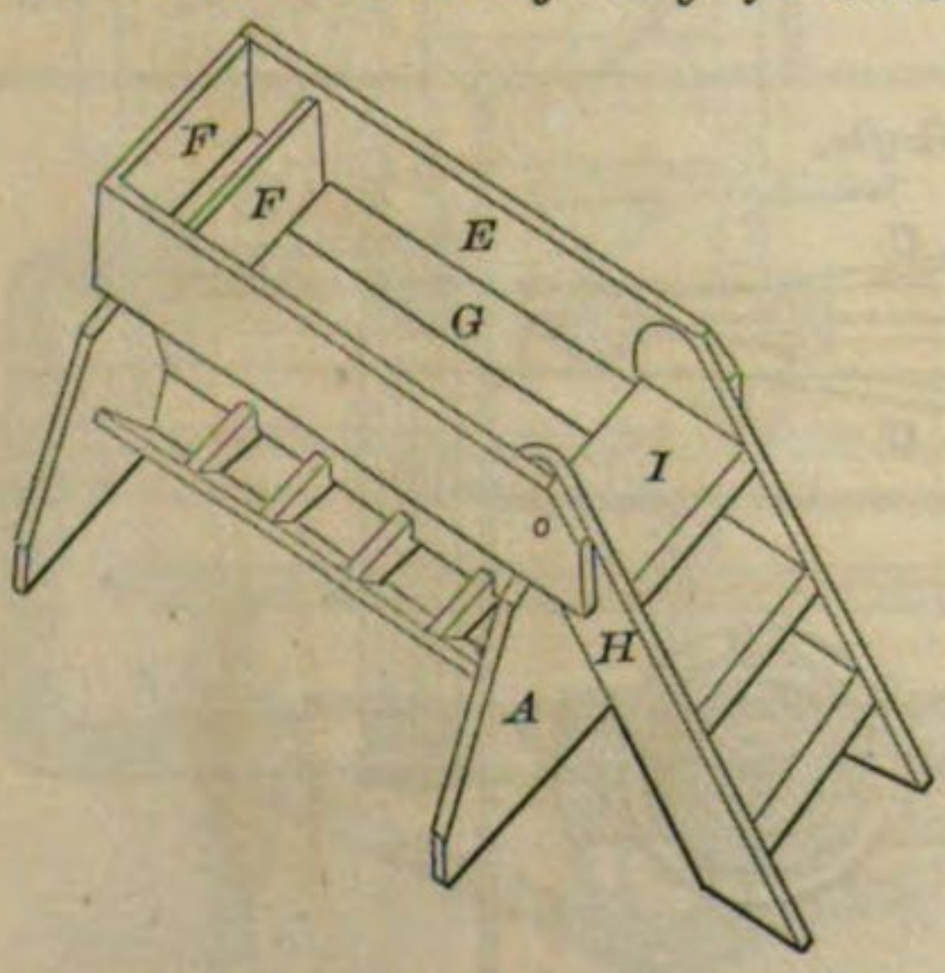
56156—W. Murphy—*Liquid and Spirit Meter.*



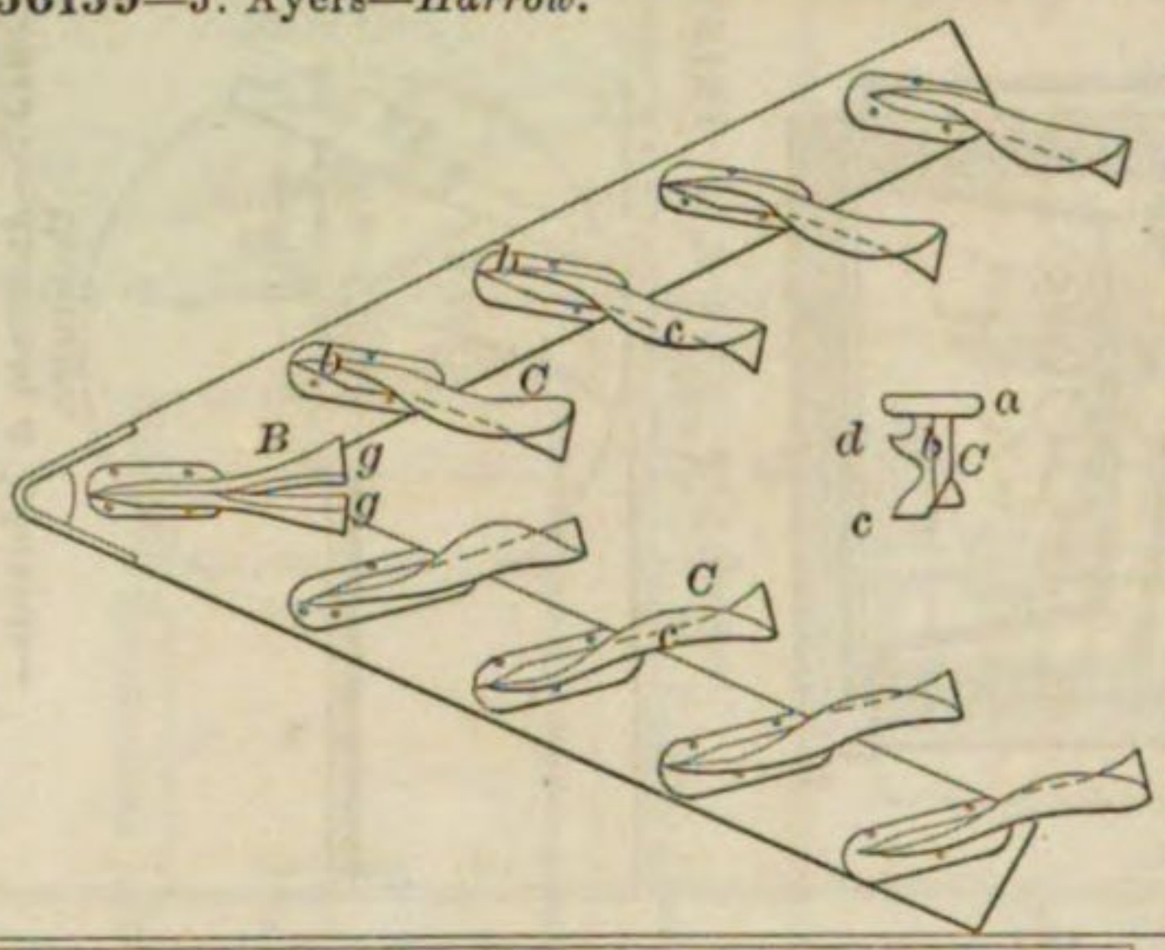
56155—Herzog & Cohn—*Hydro-Carbon Burner.*



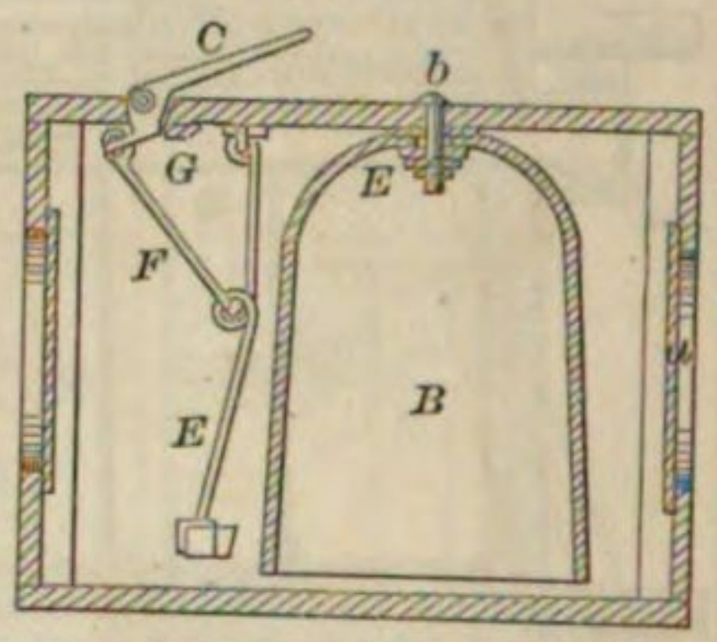
56158—B. Arnold—*Feeding Trough for Stock.*



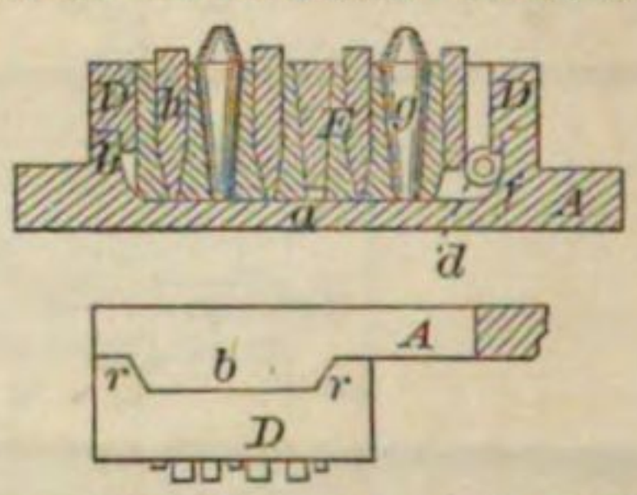
56159—J. Ayers—*Harrow.*



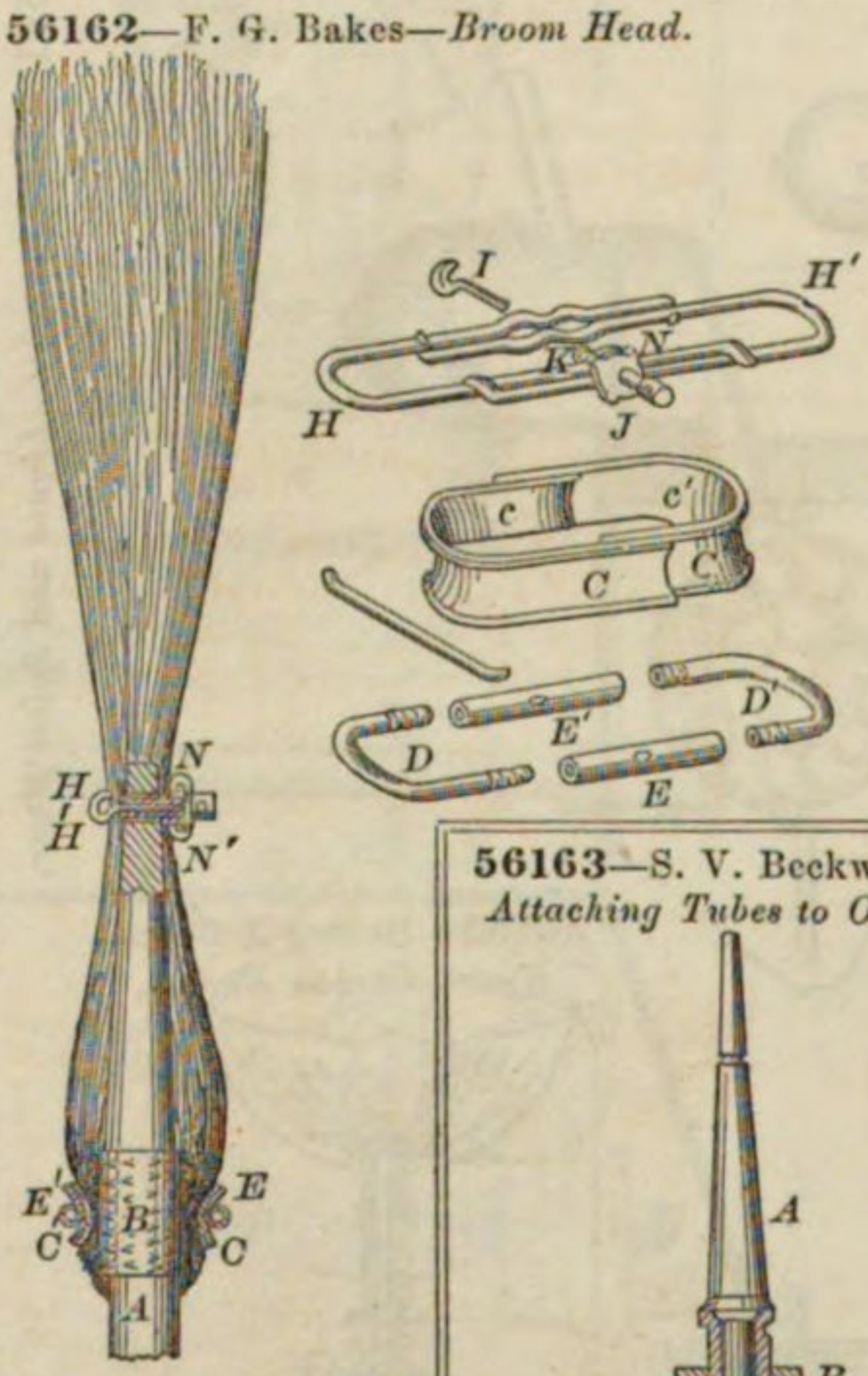
56160 G. E. Baker—*Hanging Bells.*



56161—H. H. Baker—*Horse Shoe.*

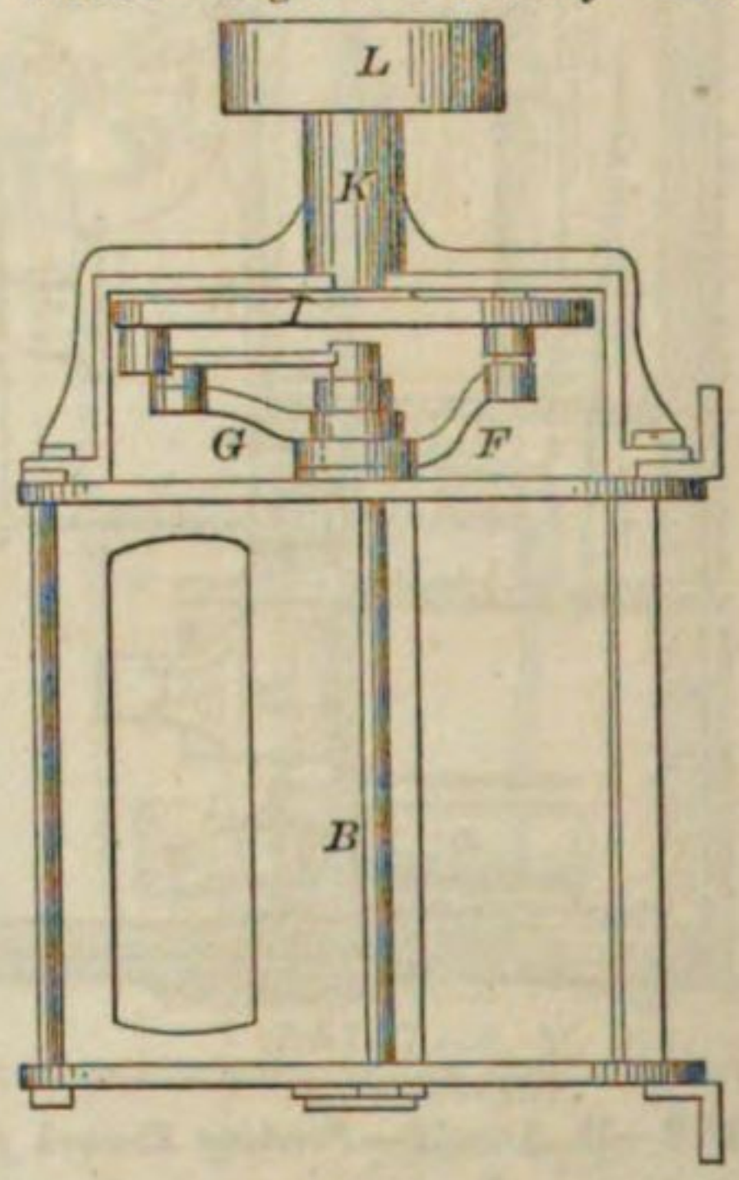


56162—F. G. Bakes—*Broom Head.*

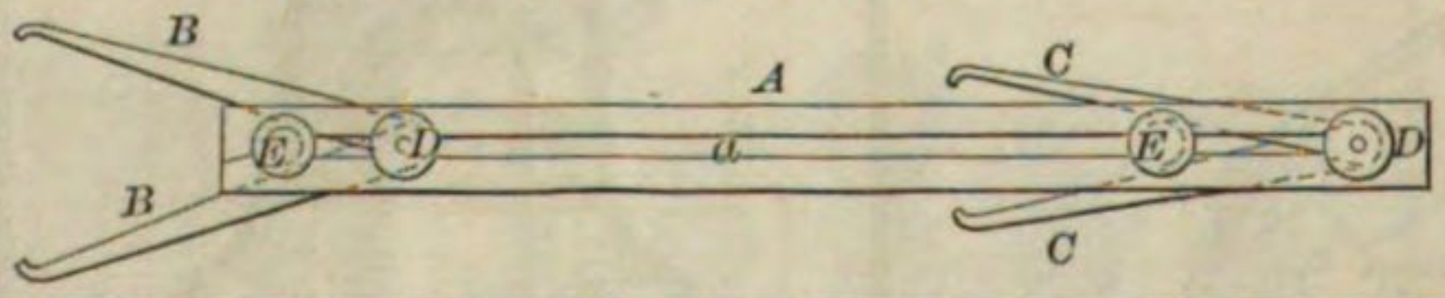


56163—S. V. Beckwith—*Attaching Tubes to Oilers.*

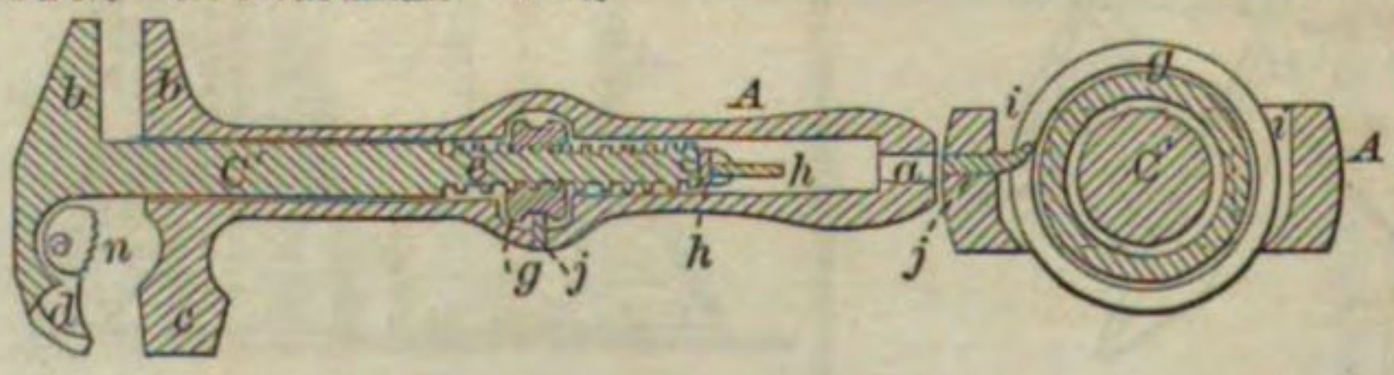
56165—Bigelow & Murray—*Blower.*



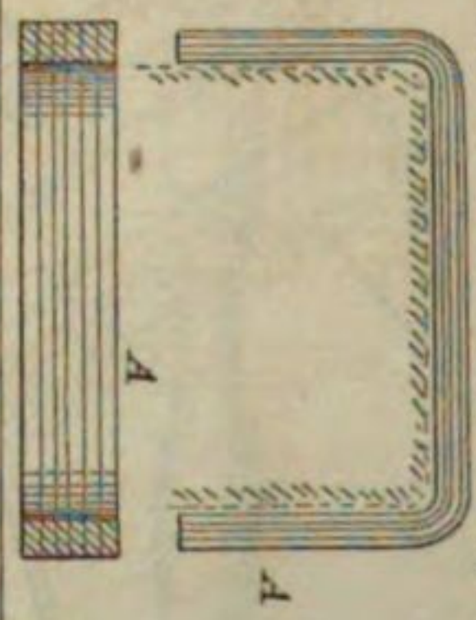
56164—W. N. Berkeley—*To Turn Tapering Shafts.*



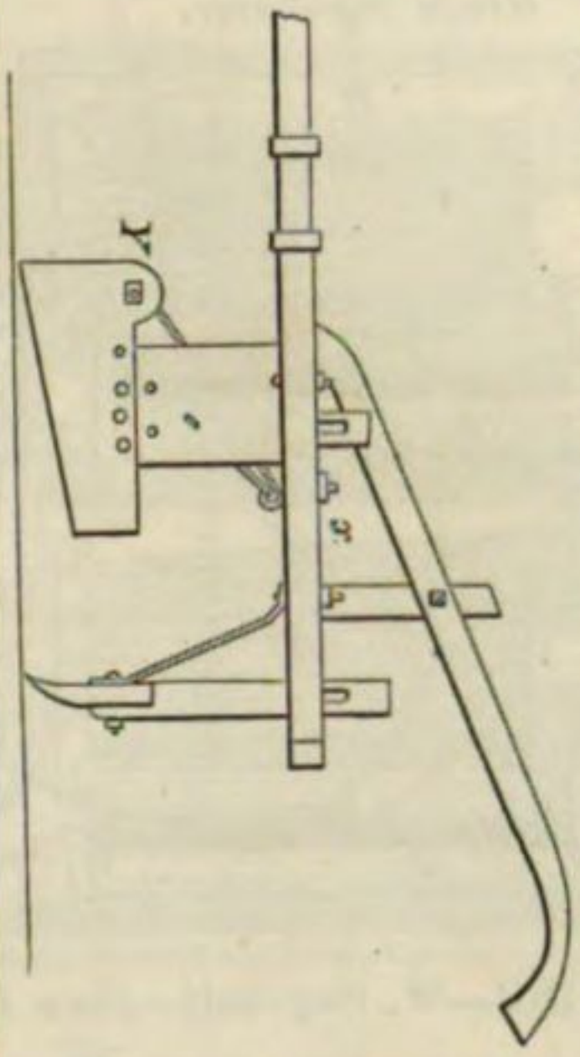
56166—B. Boardman—*Tool.*



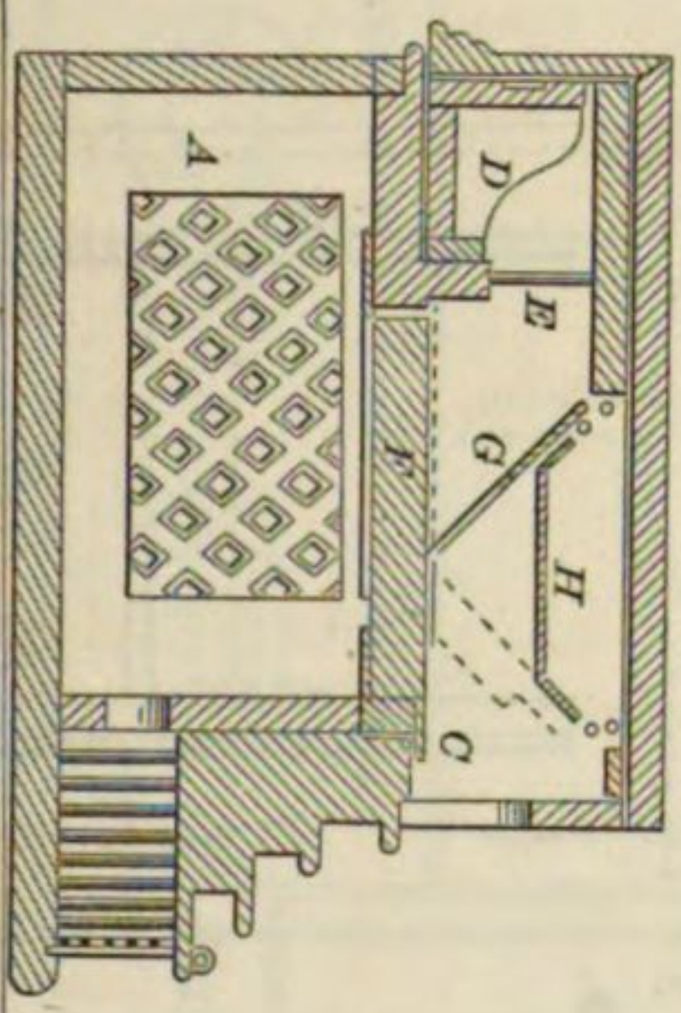
56168—P. Born—*Carpet Bag Frame.*



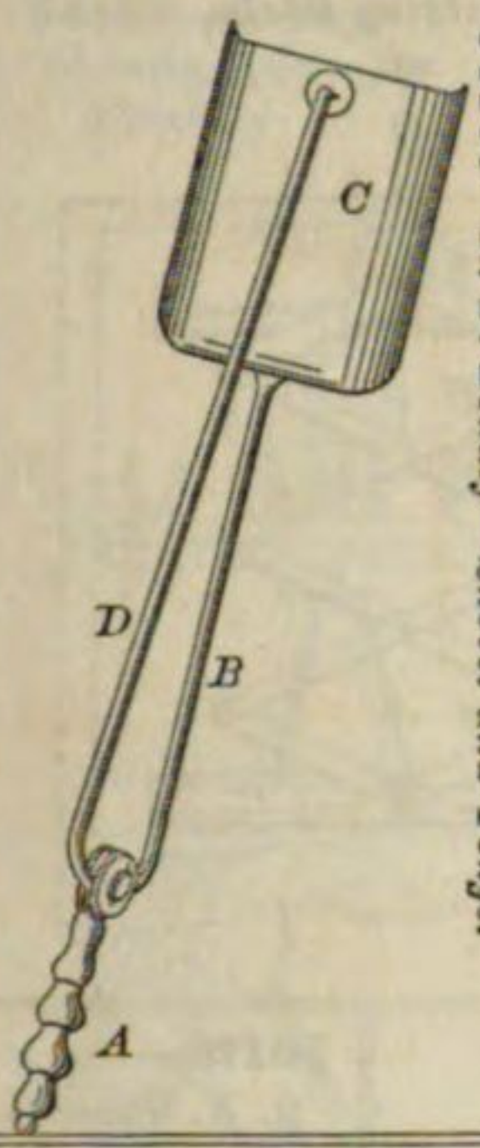
56173—R. Bullock—*Cultivator.*



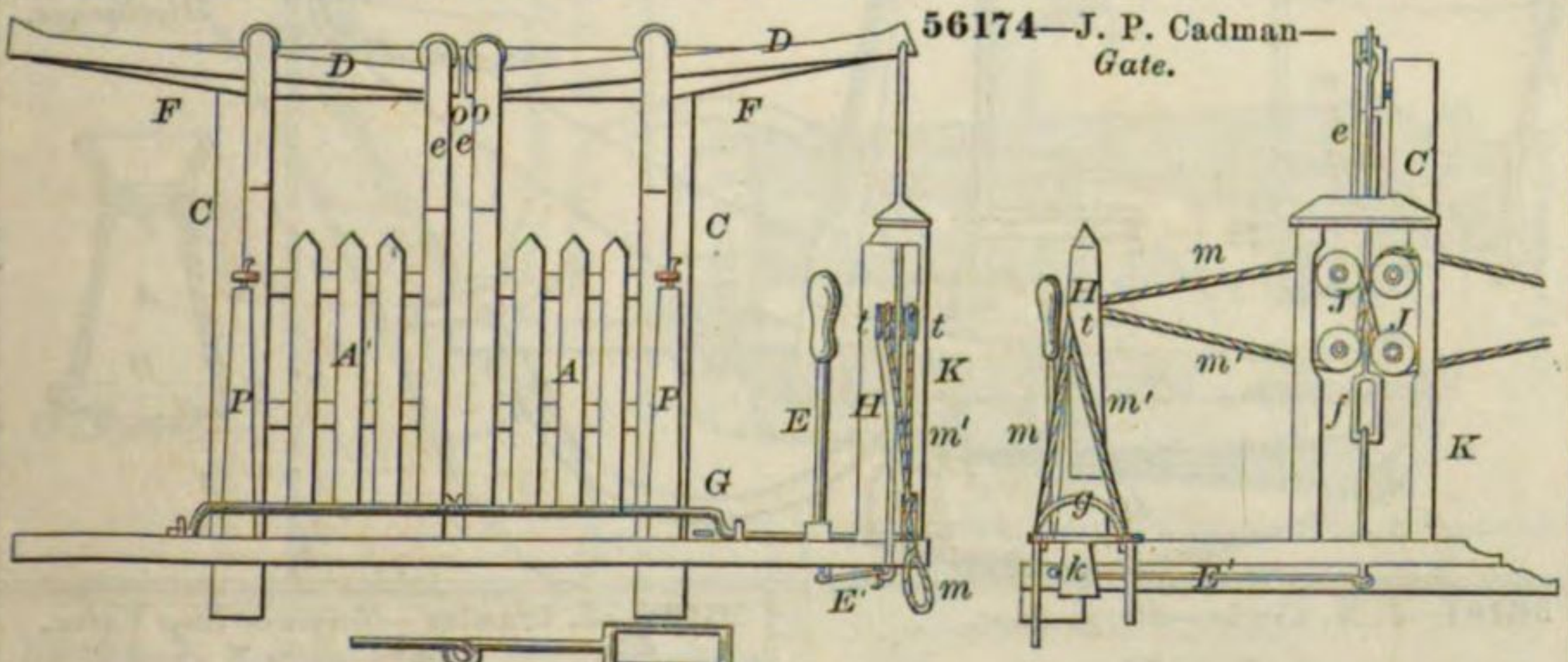
56175—W. H. Campbell—*Animal Trap.*



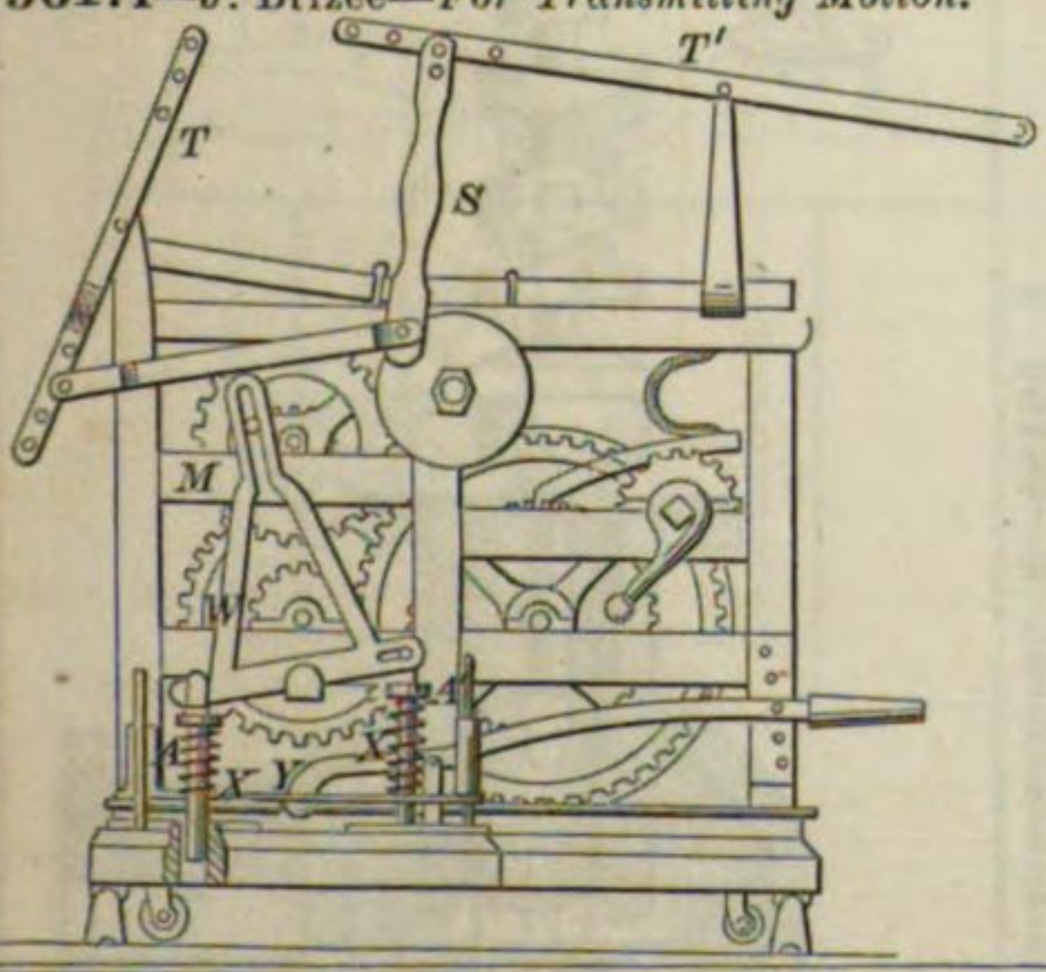
56169—R. D. Bradly—*Shovel and Tongs.*



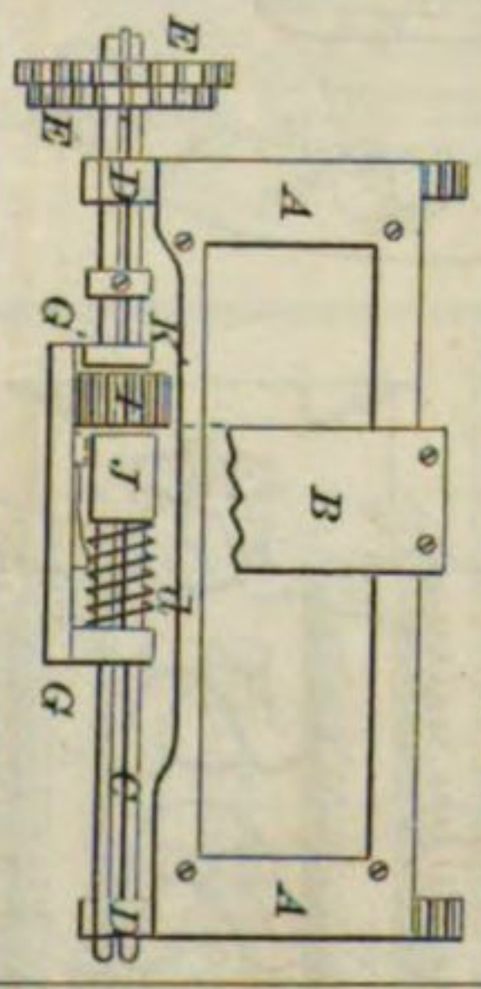
56174—J. P. Cadman—*Gate.*



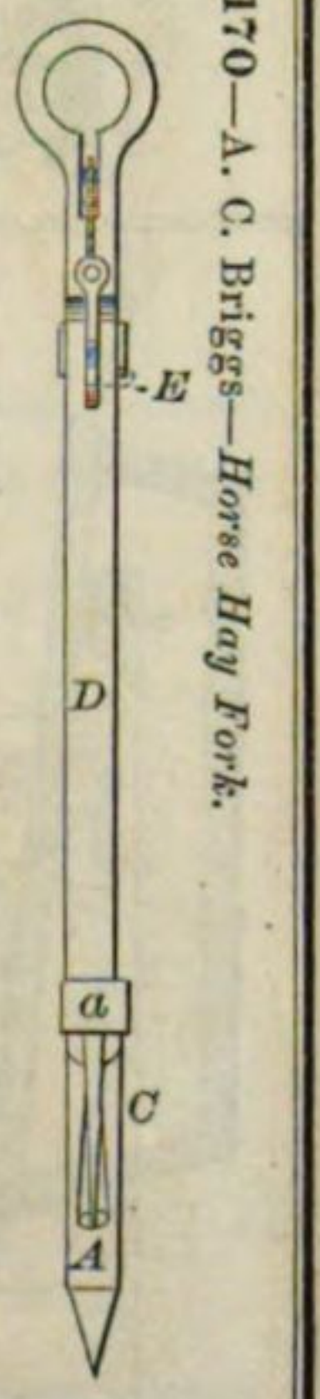
56171—J. Brizee—*For Transmitting Motion.*



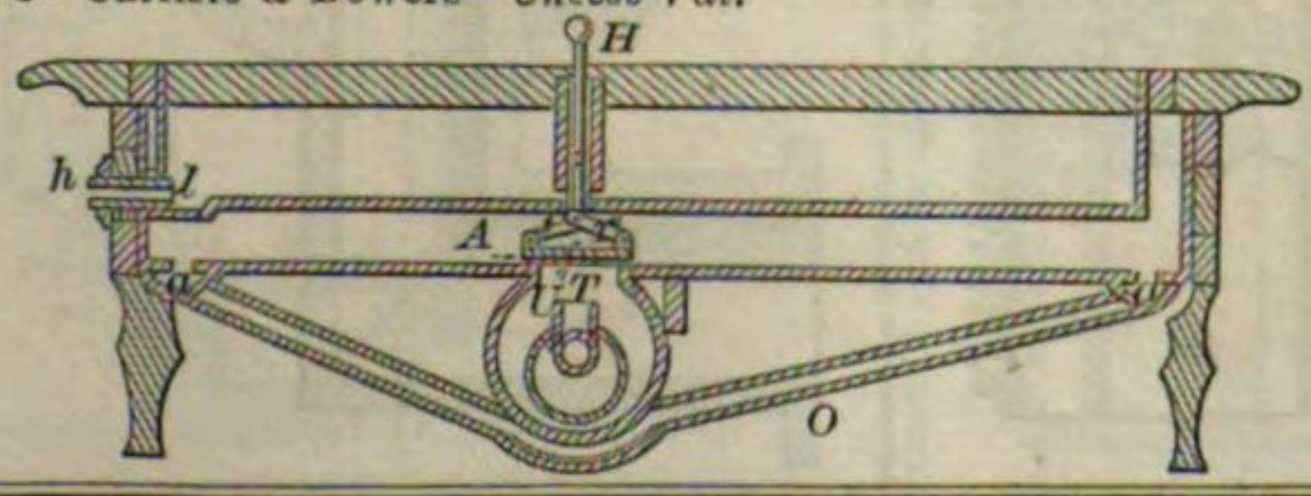
56172—A. P. Brown—*Feed Stop for Lathes.*



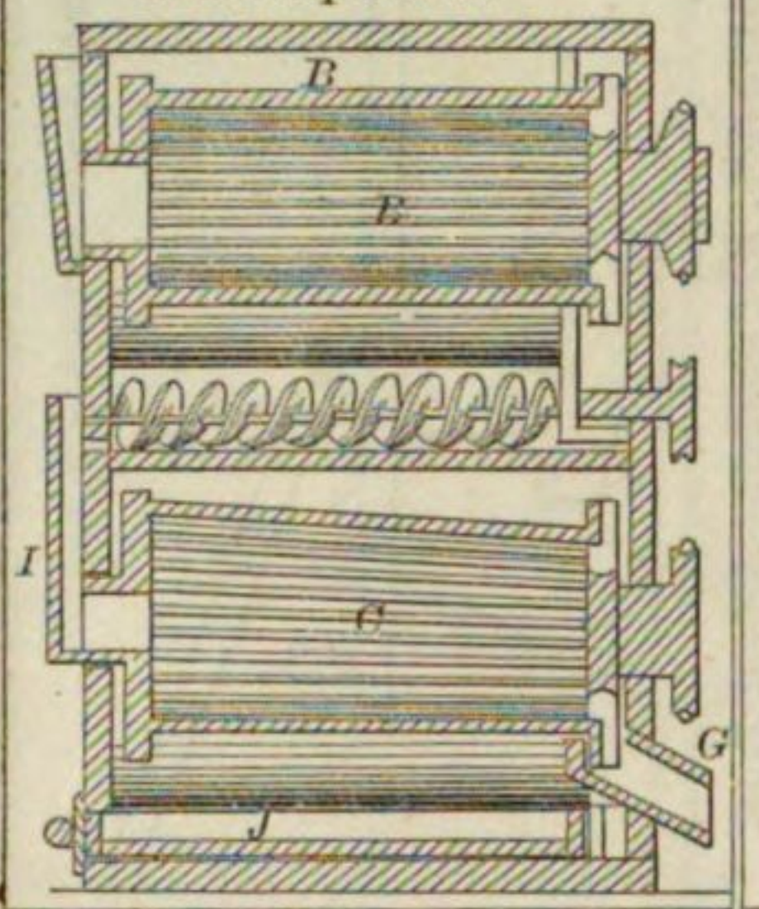
56170—A. C. Briggs—*Horse Hay Fork.*



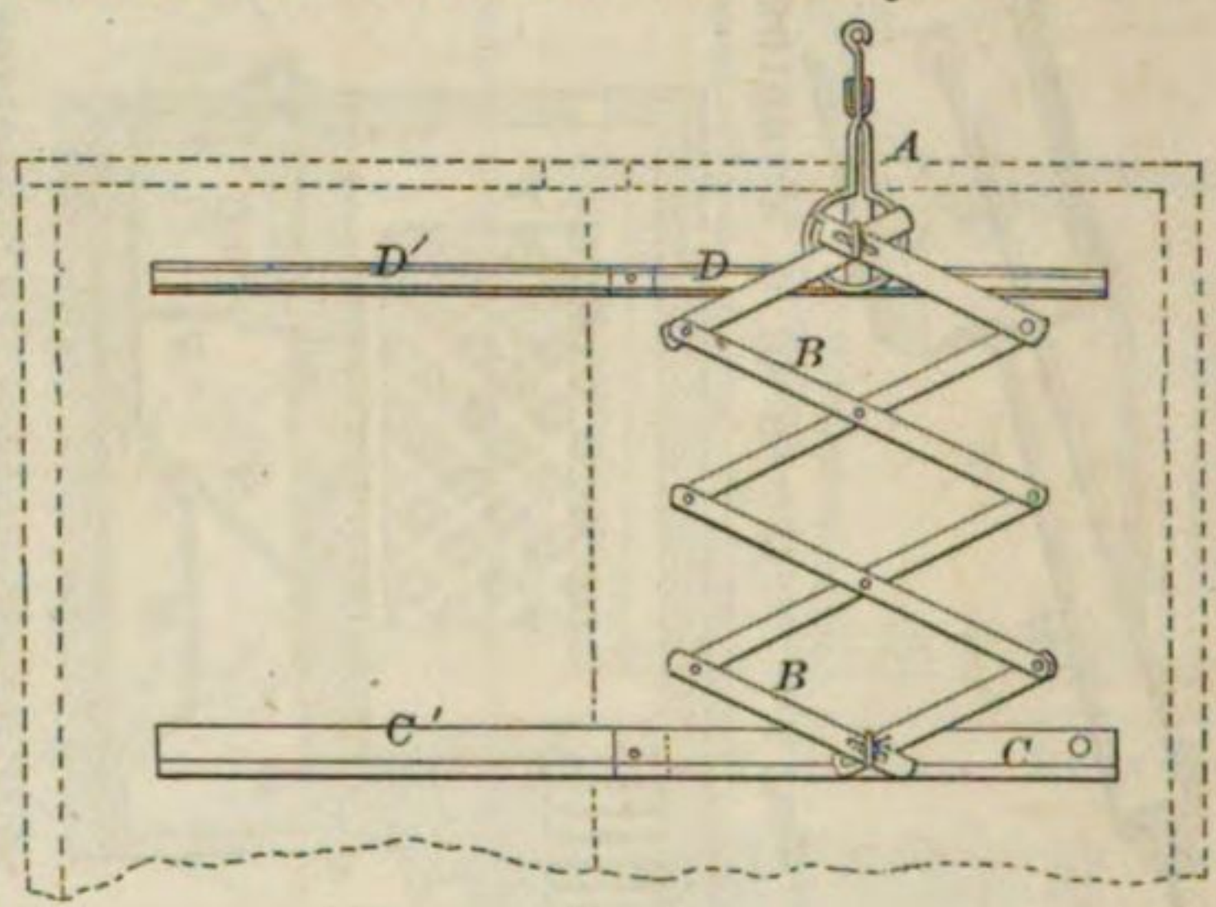
56176—Carlisle & Bowers—*Cheese Vat.*



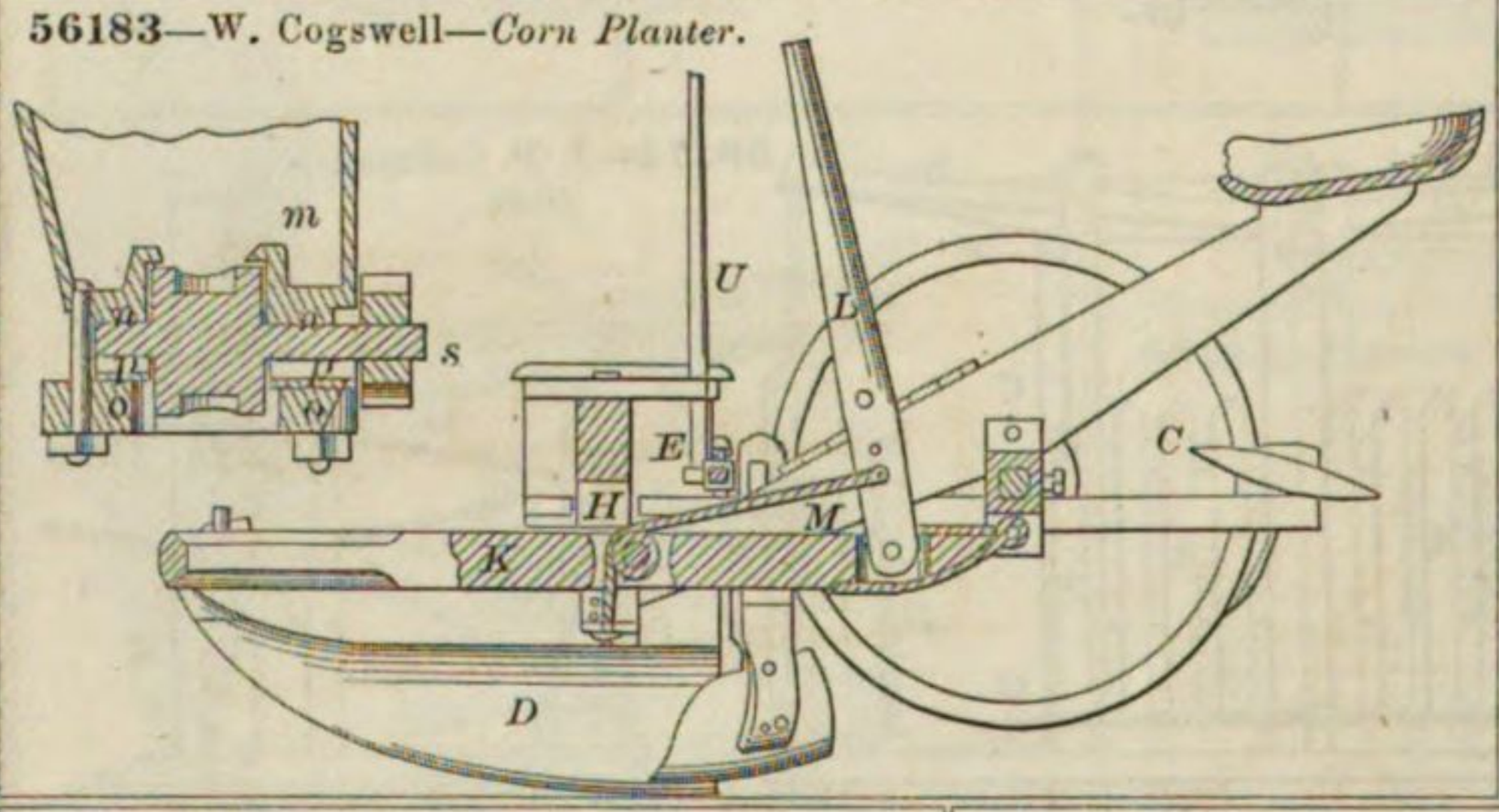
56177—Chase & Tiffany—*Grain Separator.*



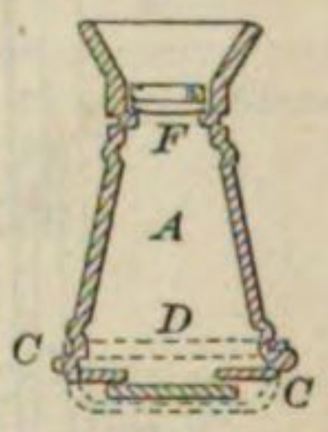
56184—J. E. D. Comstock—*For Holding Books.*



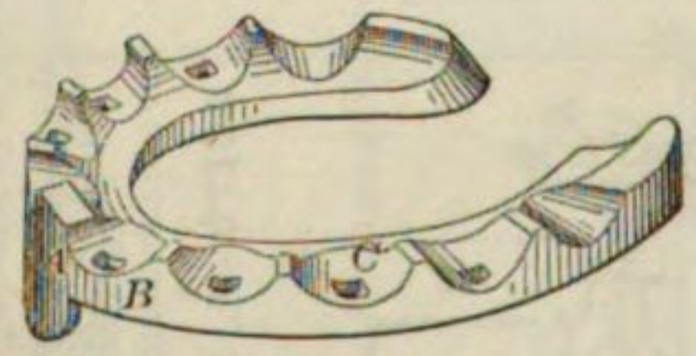
56183—W. Cogswell—*Corn Planter.*



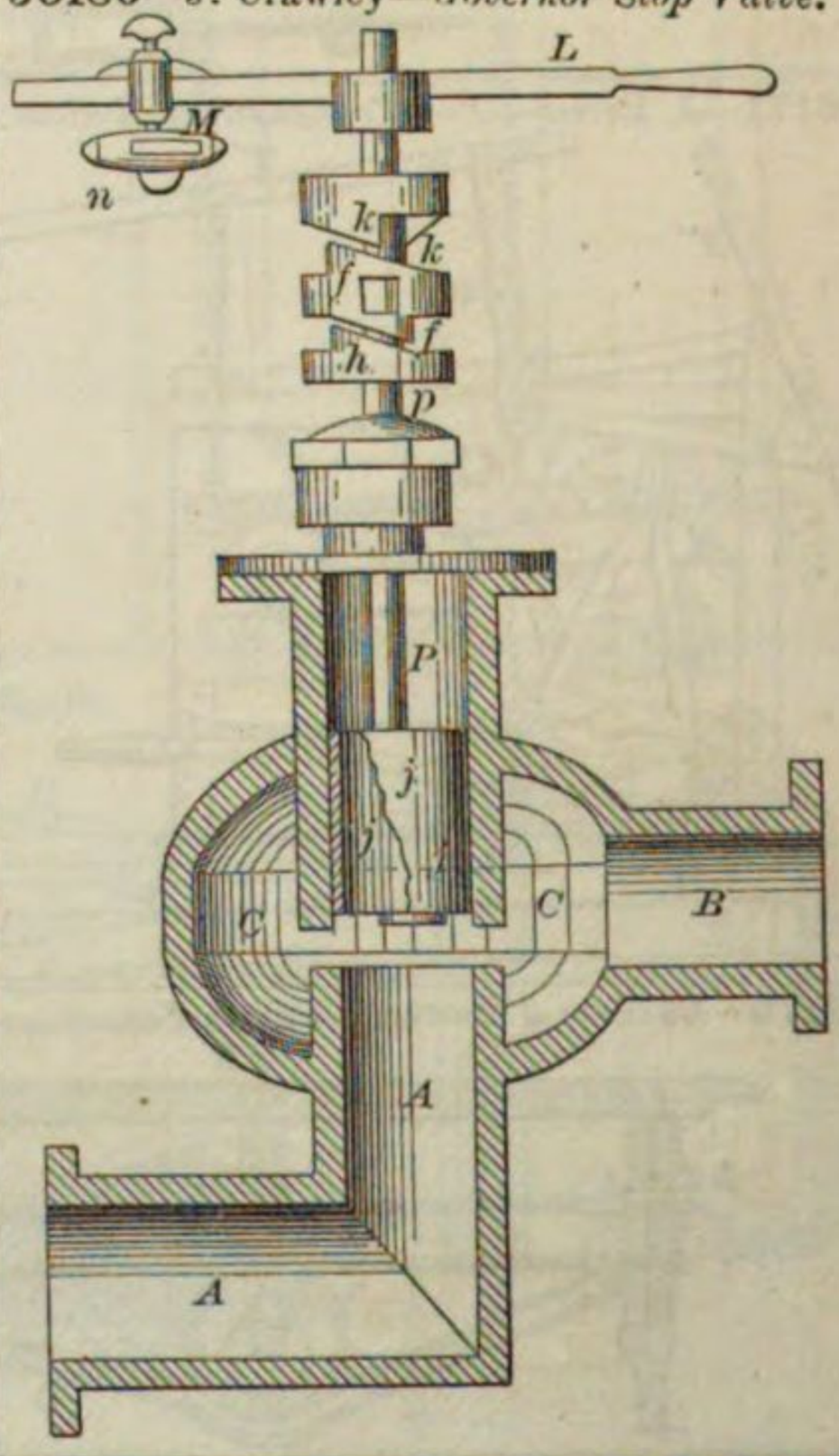
56178—O. N. Chase—*Microscope.*



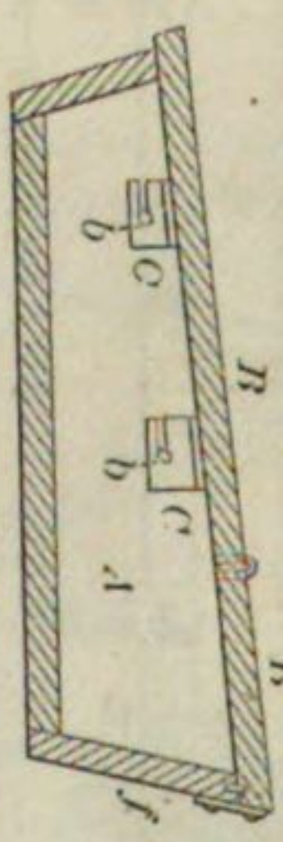
56181—J. N. Clarke—*Horse Shoe.*



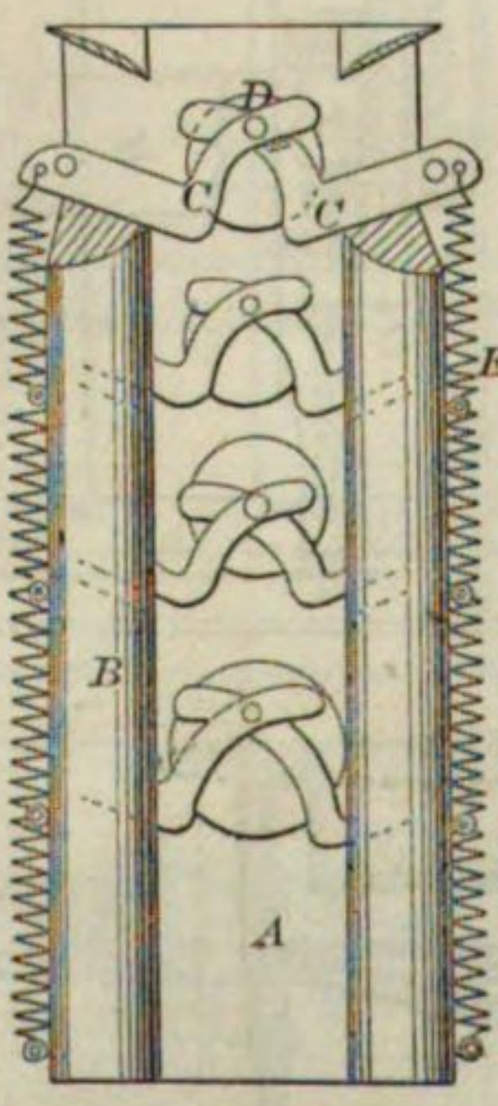
56186—J. Crawley—*Governor Stop Valve.*



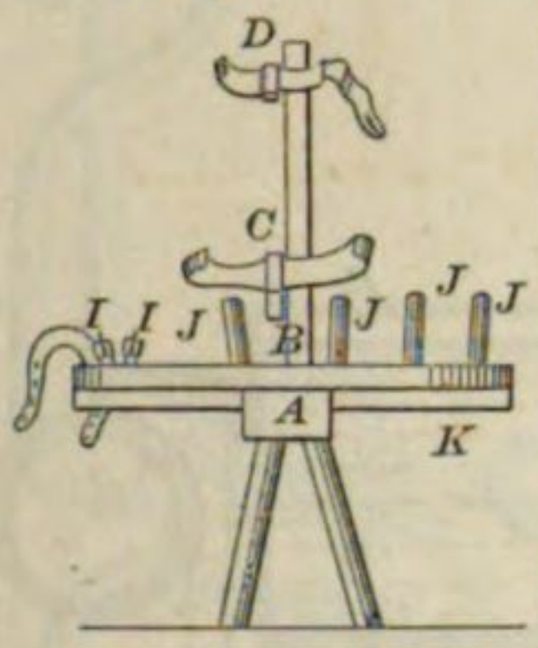
56182—D. Clarke—*Coffin.*



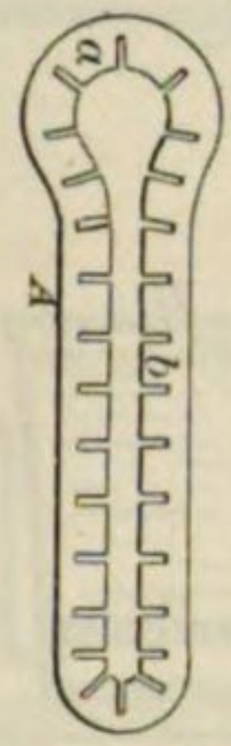
56185—K. Conarroe—*Sorghum Mill.*



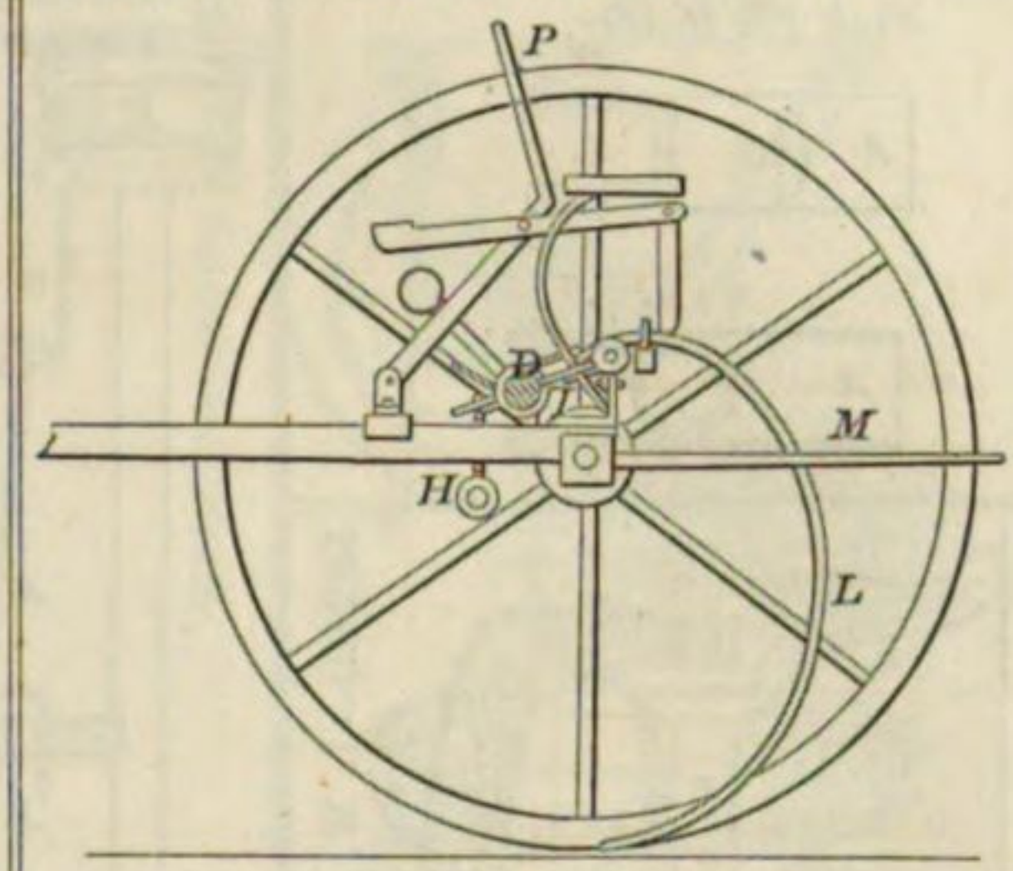
56188—J. Day—*For Holding Sheep for Shearing.*



56190—F. F. Dieterichs—*Button Hole.*



56189—G. Deal—*Horse Rake.*



56191—C. G. Dodge, Jr.—*Nail Hammer.*

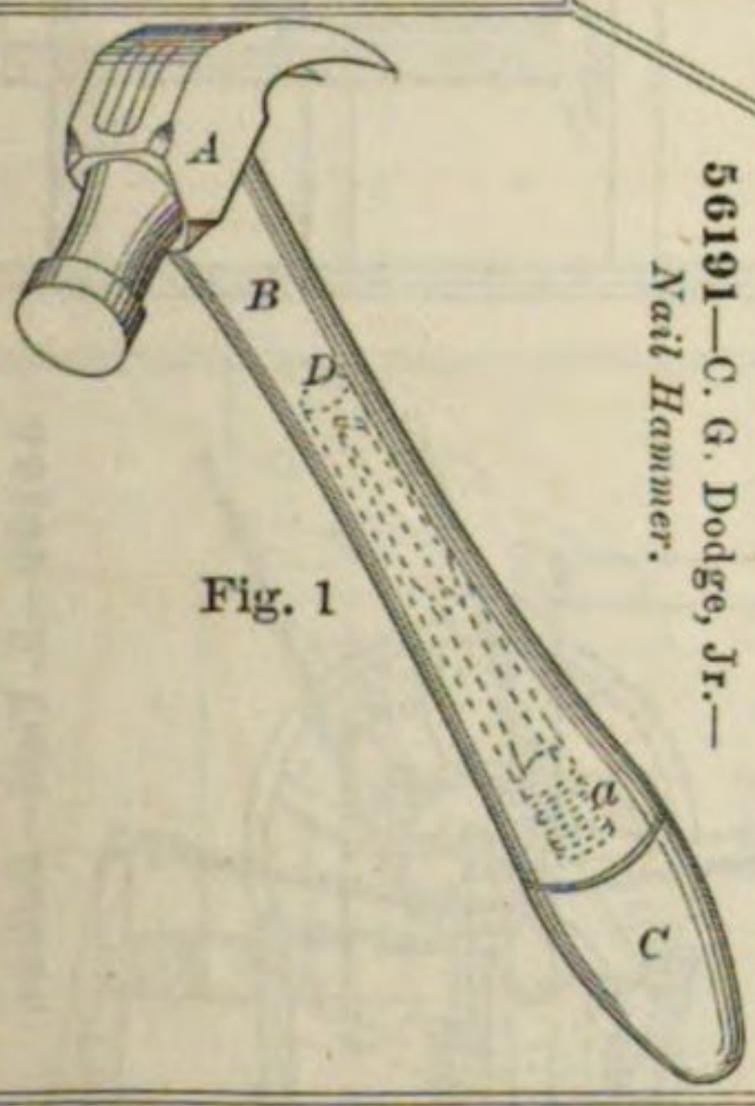
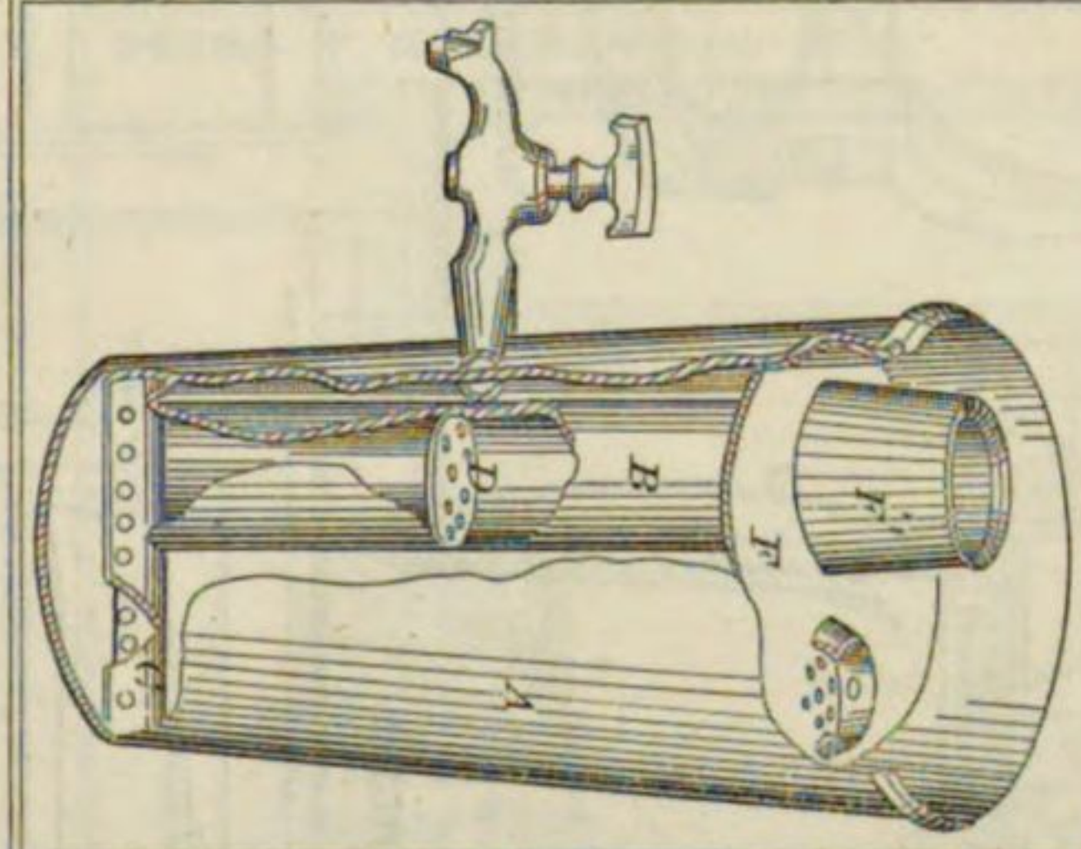
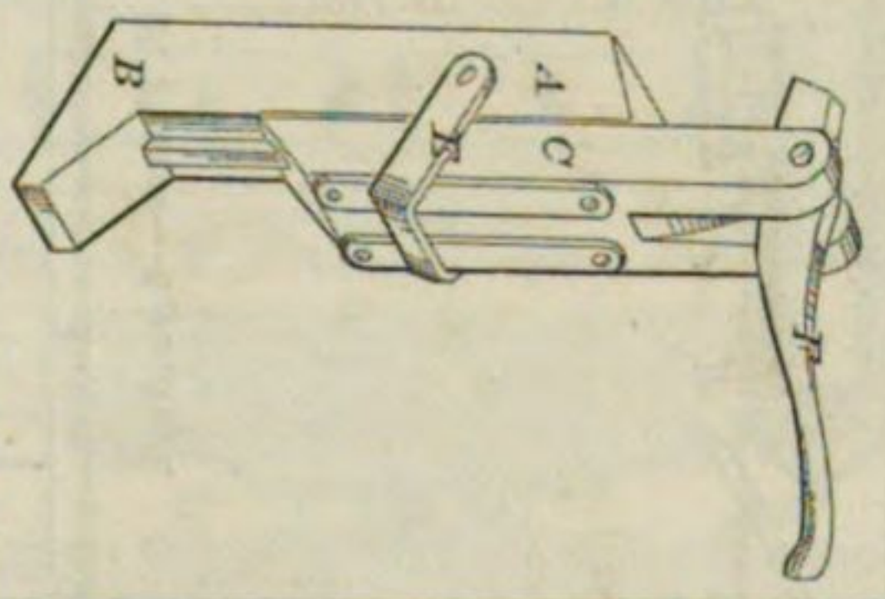


Fig. 1

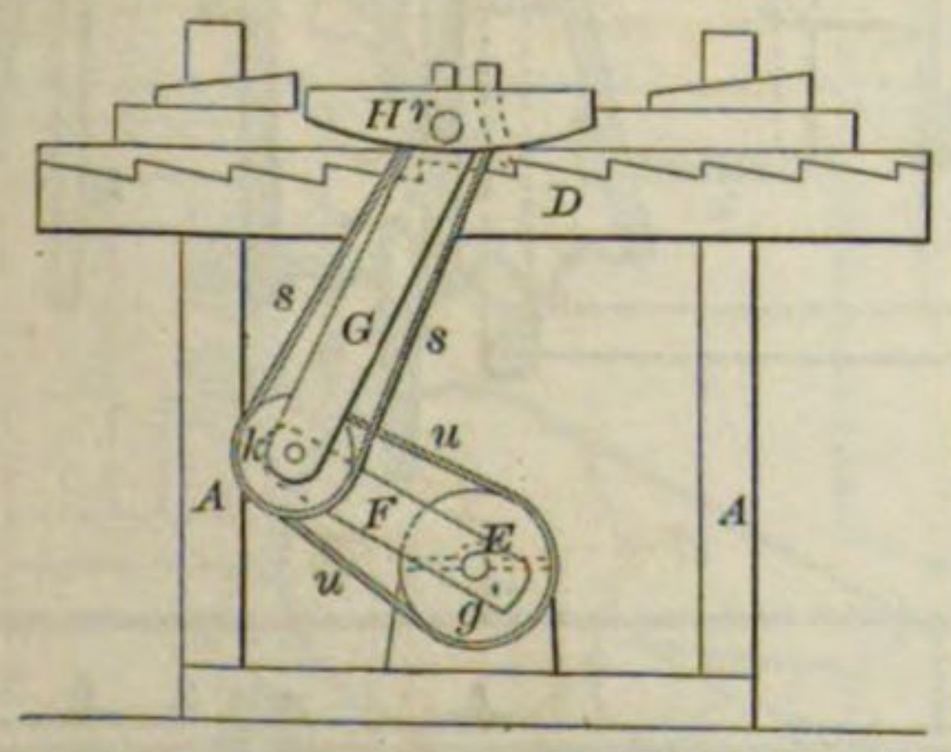
56193—N. Downes—*Filter.*

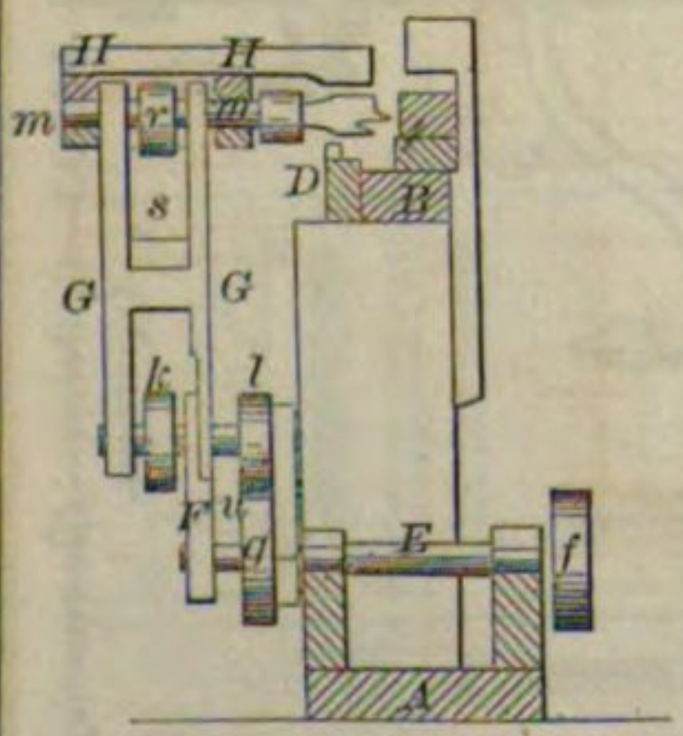


56192—W. M. Doty—*Wagon Jack.*

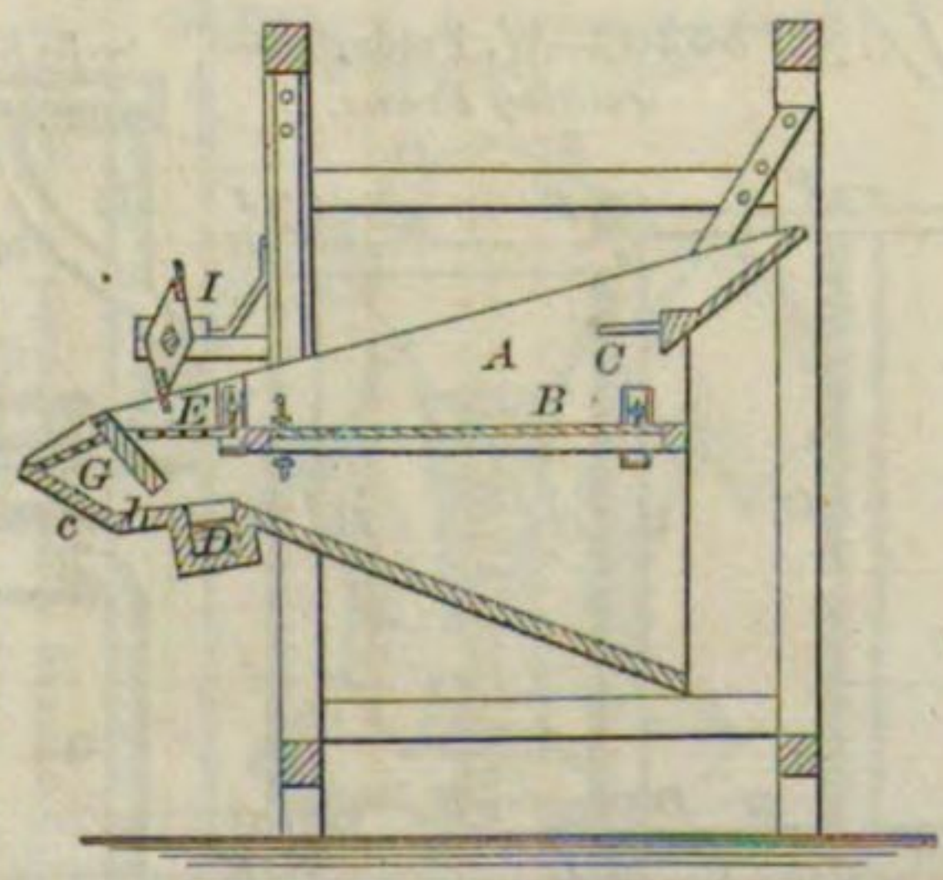


56195—S. E. Ellis—*Wood Boring Machine.*

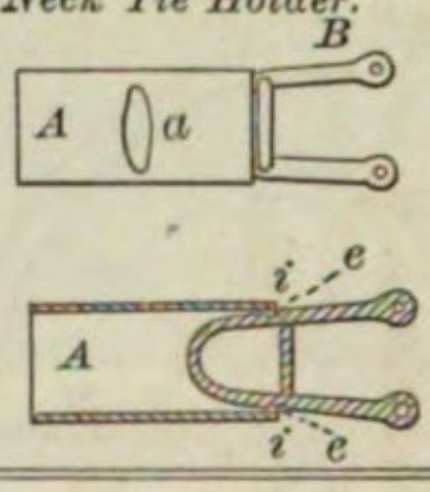




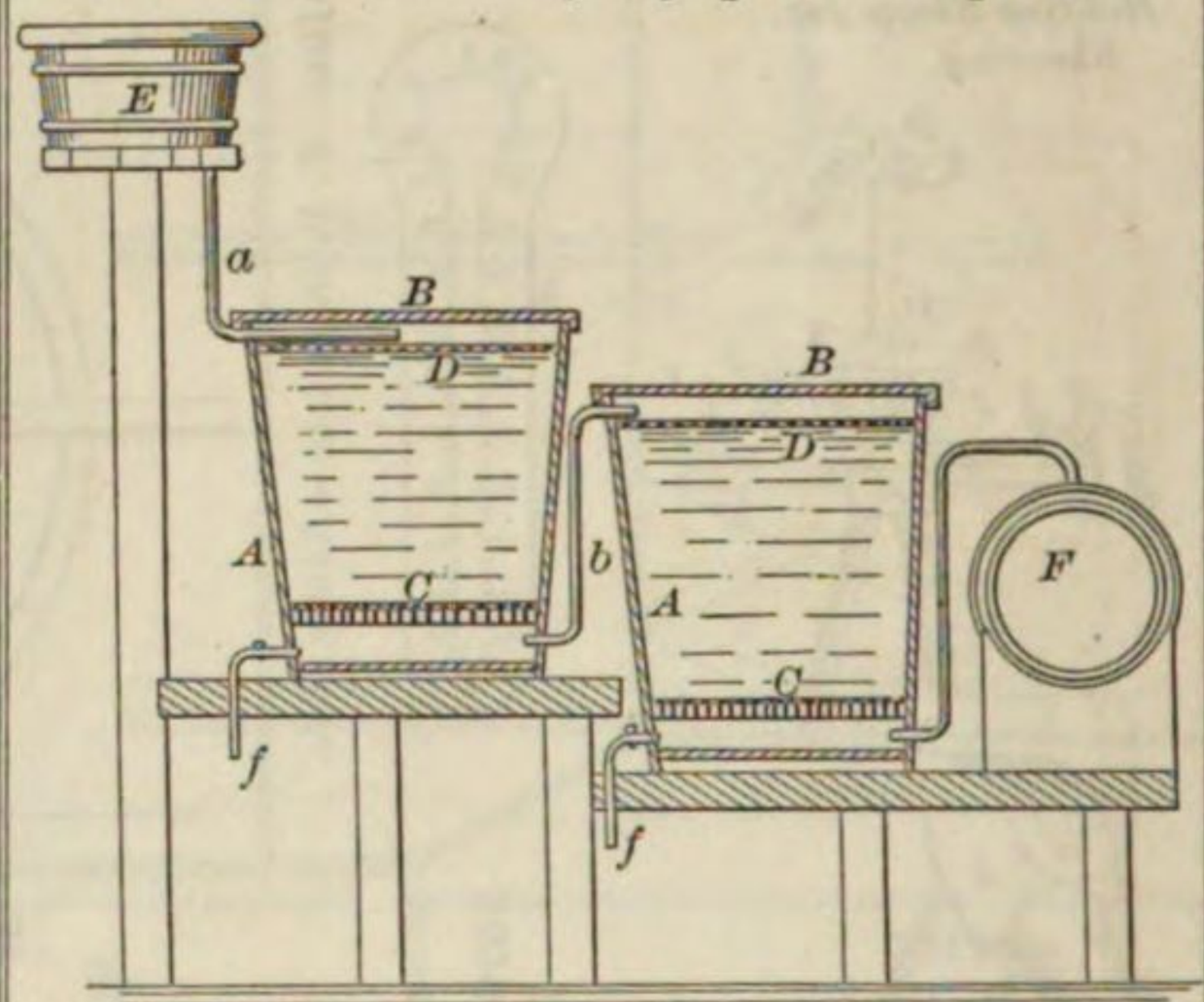
56194—J. F. Dunham—*Grain Separator.*



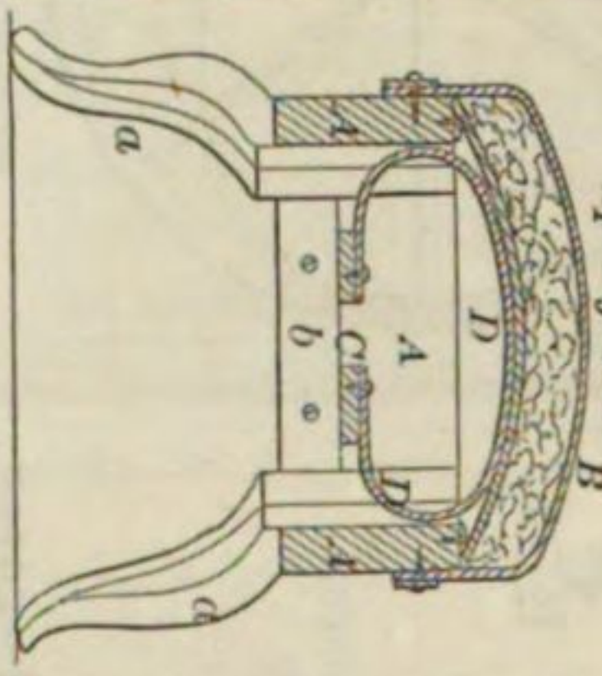
56196—J. A. Eshleman—
Neck Tie Holder.



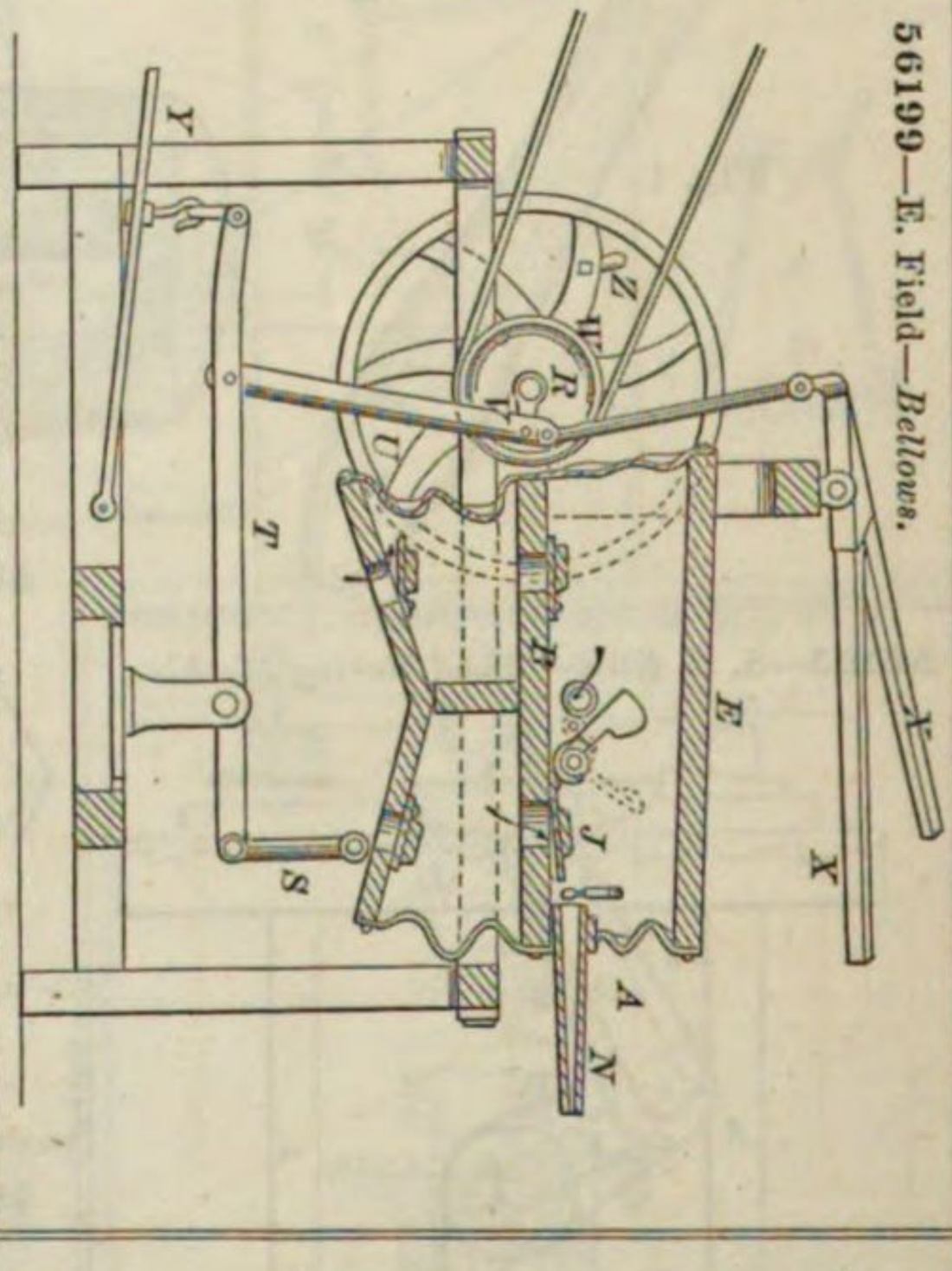
56197—G. W. Ferris—*Refining Spirituous Liquors.*



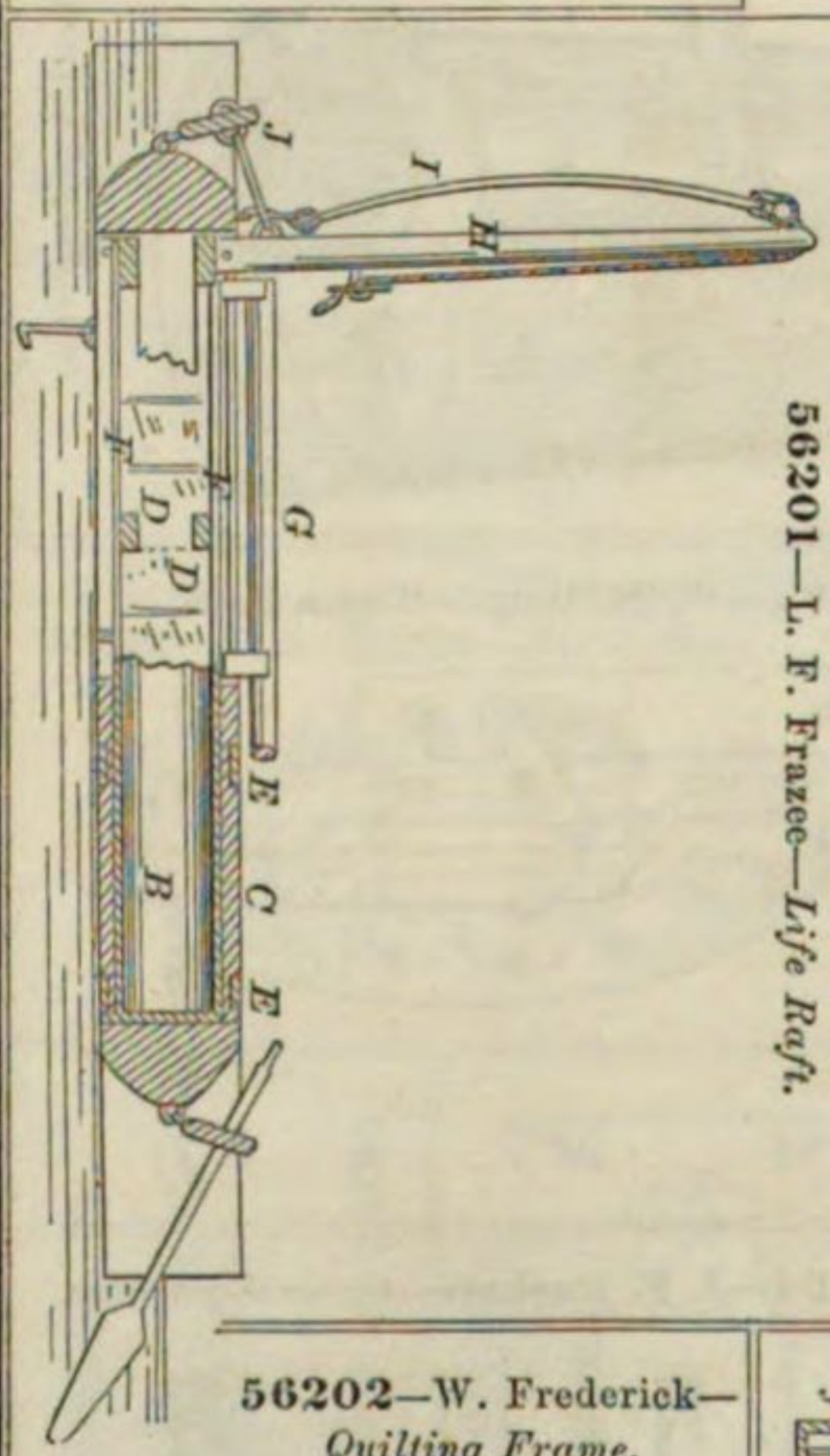
56200—L. W. Fillebrown, Jr.
Spring Seat.



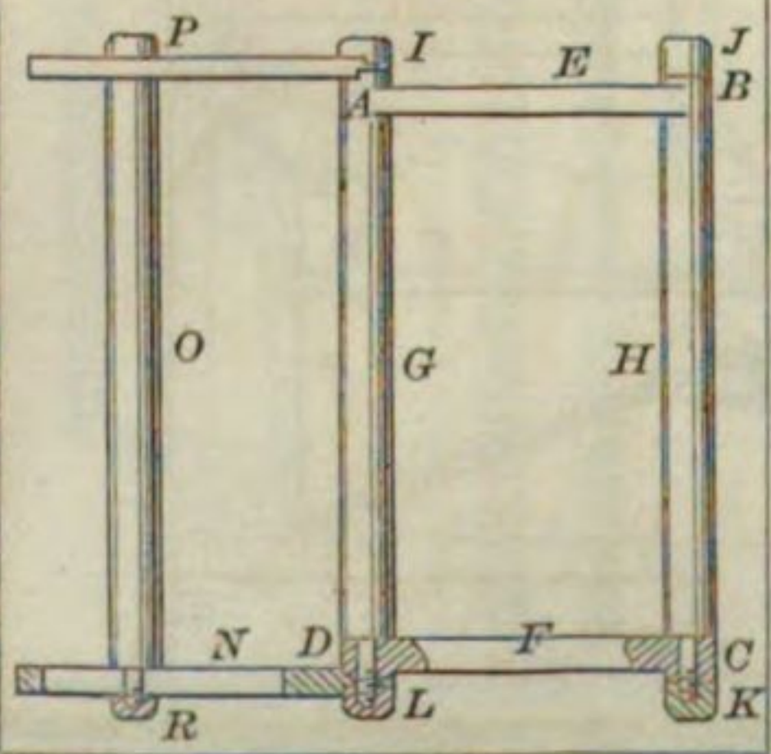
56199—E. Field—*Bellows.*



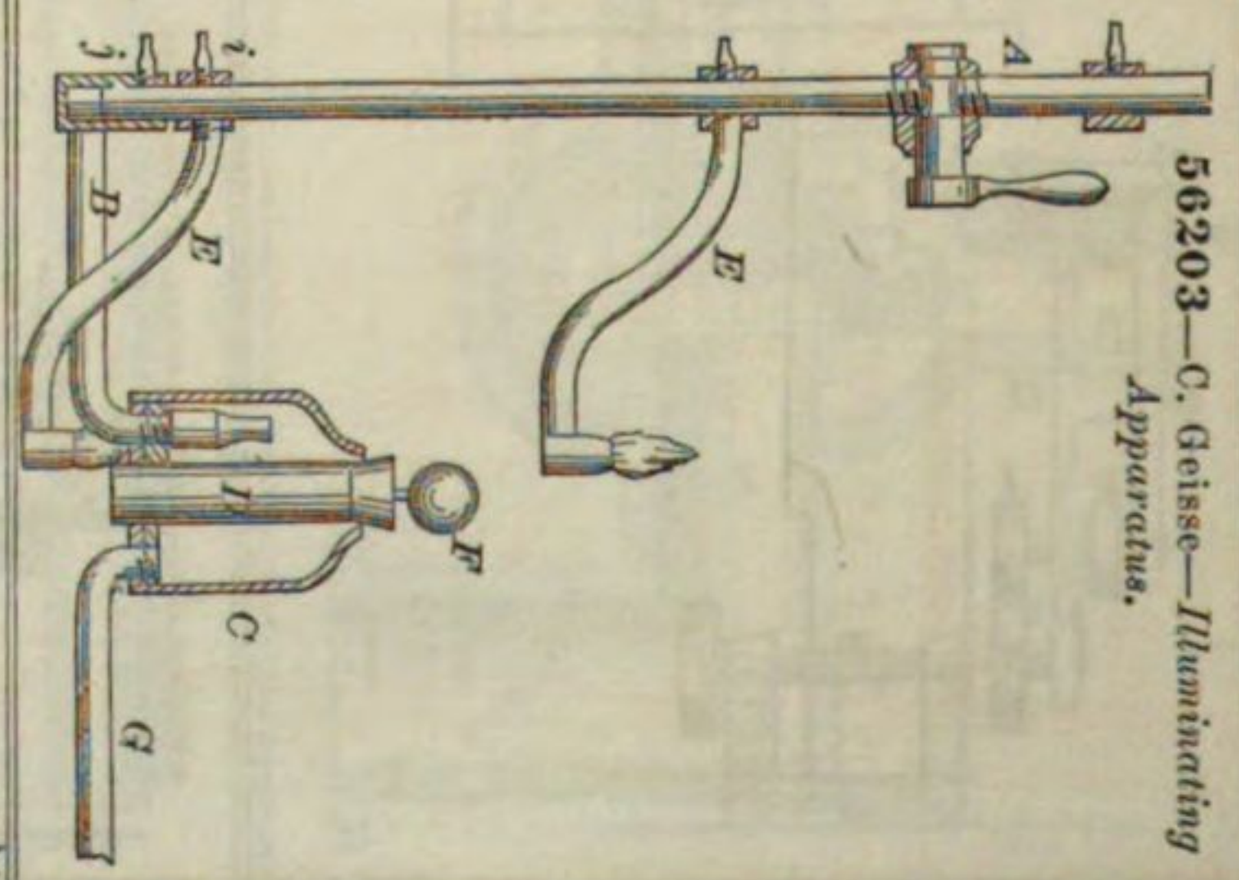
56201—L. F. Frazee—*Life Raft.*



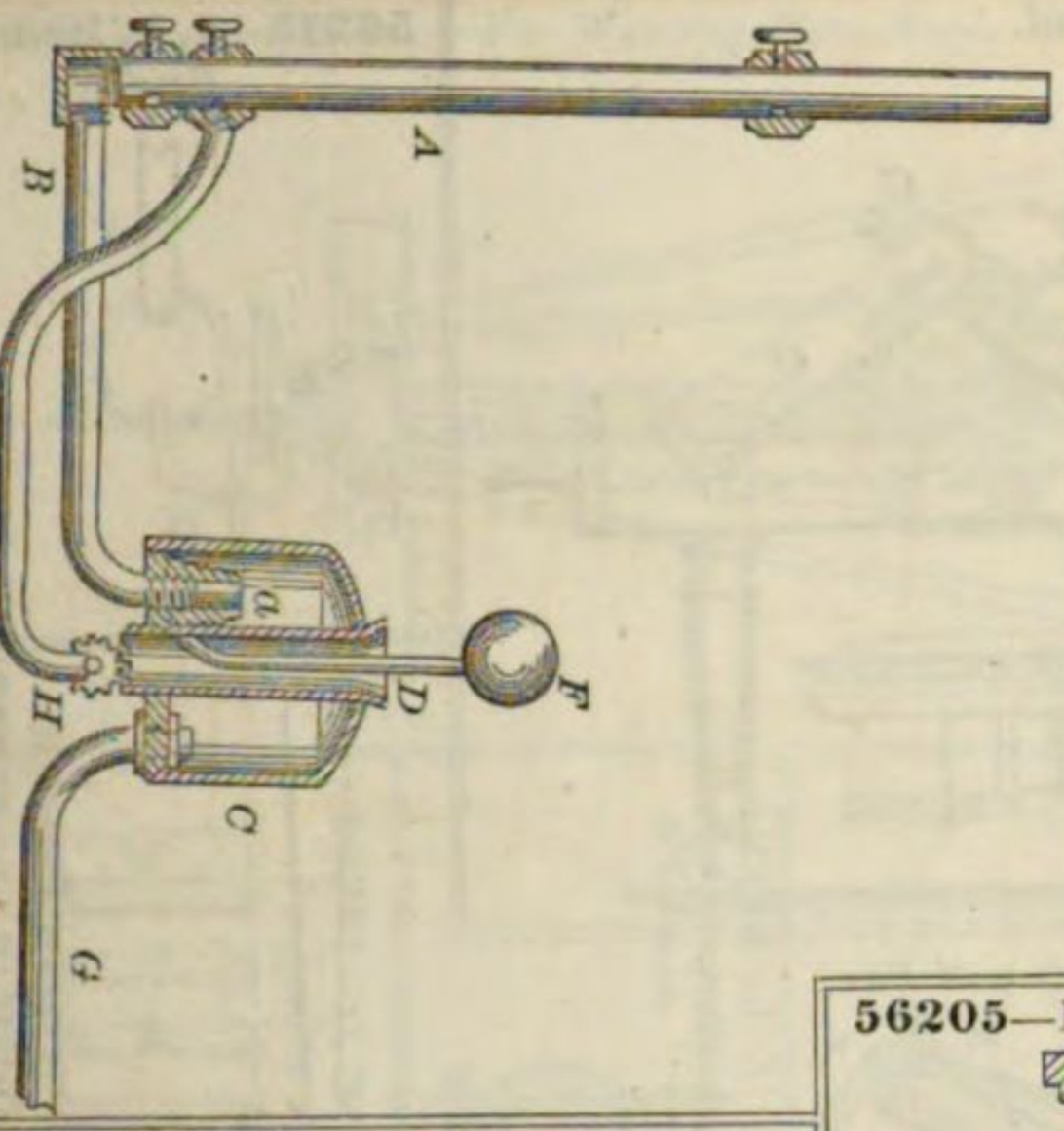
56202—W. Frederick—
Quilting Frame.



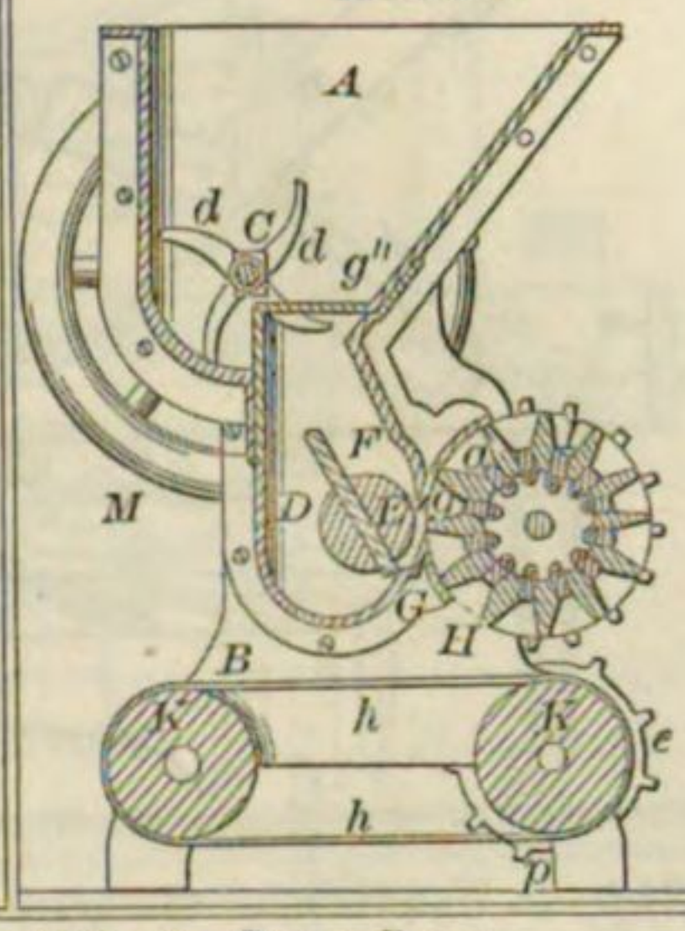
56203—C. Geisse—*Illuminating Apparatus.*



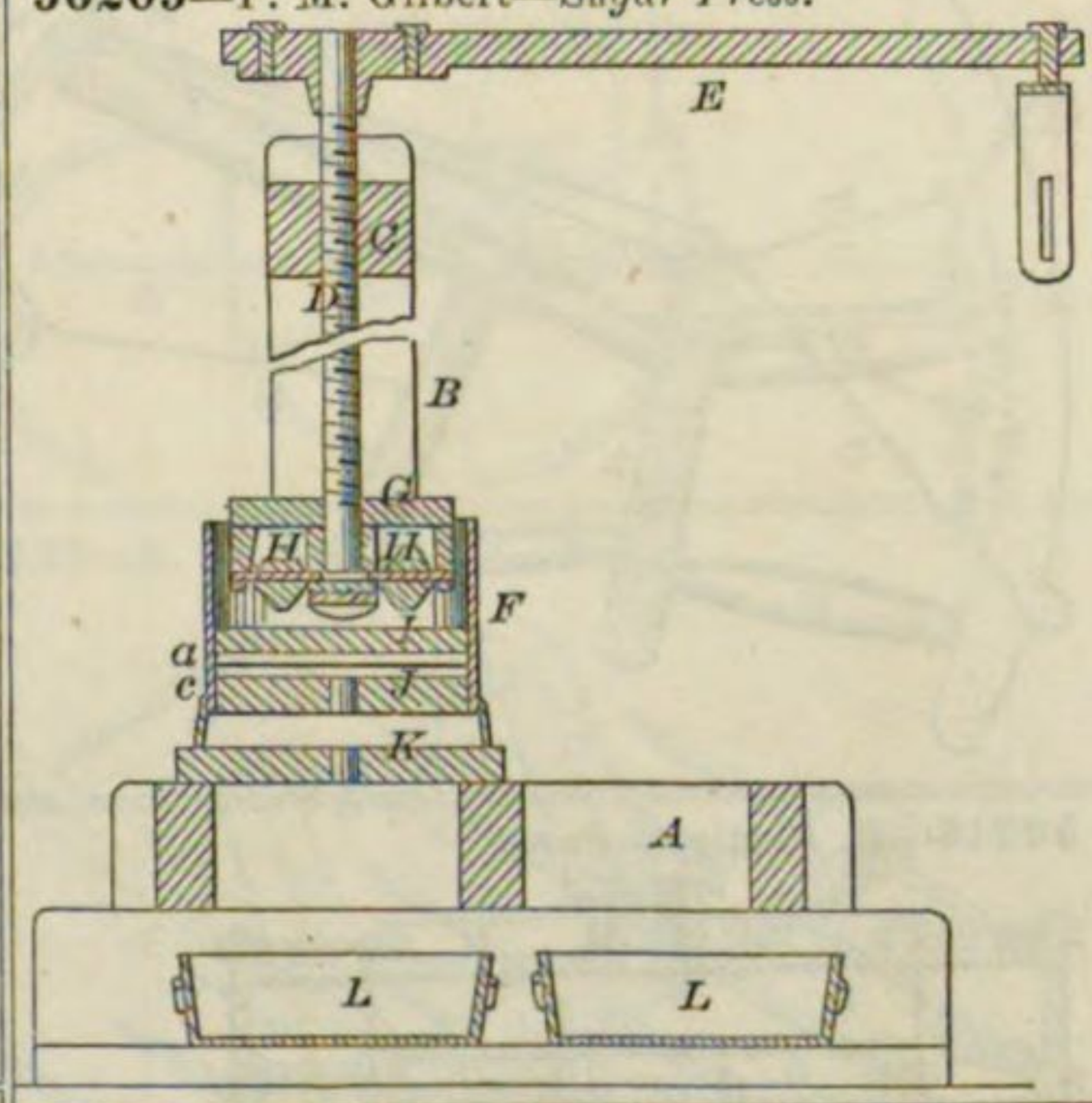
56204—C. Geisse—*Gas Heater.*



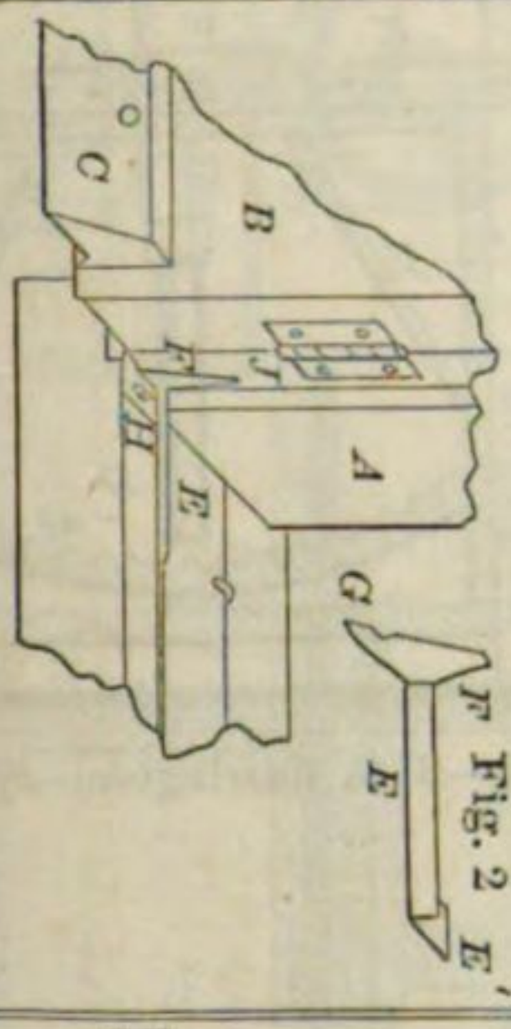
56206—S. D. & S. Gilson—*Peat Machine.*



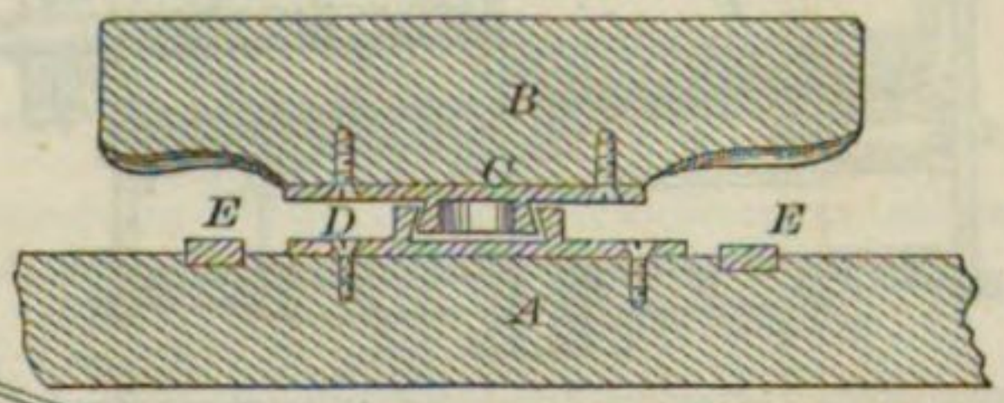
56205—P. M. Gilbert—*Sugar Press.*



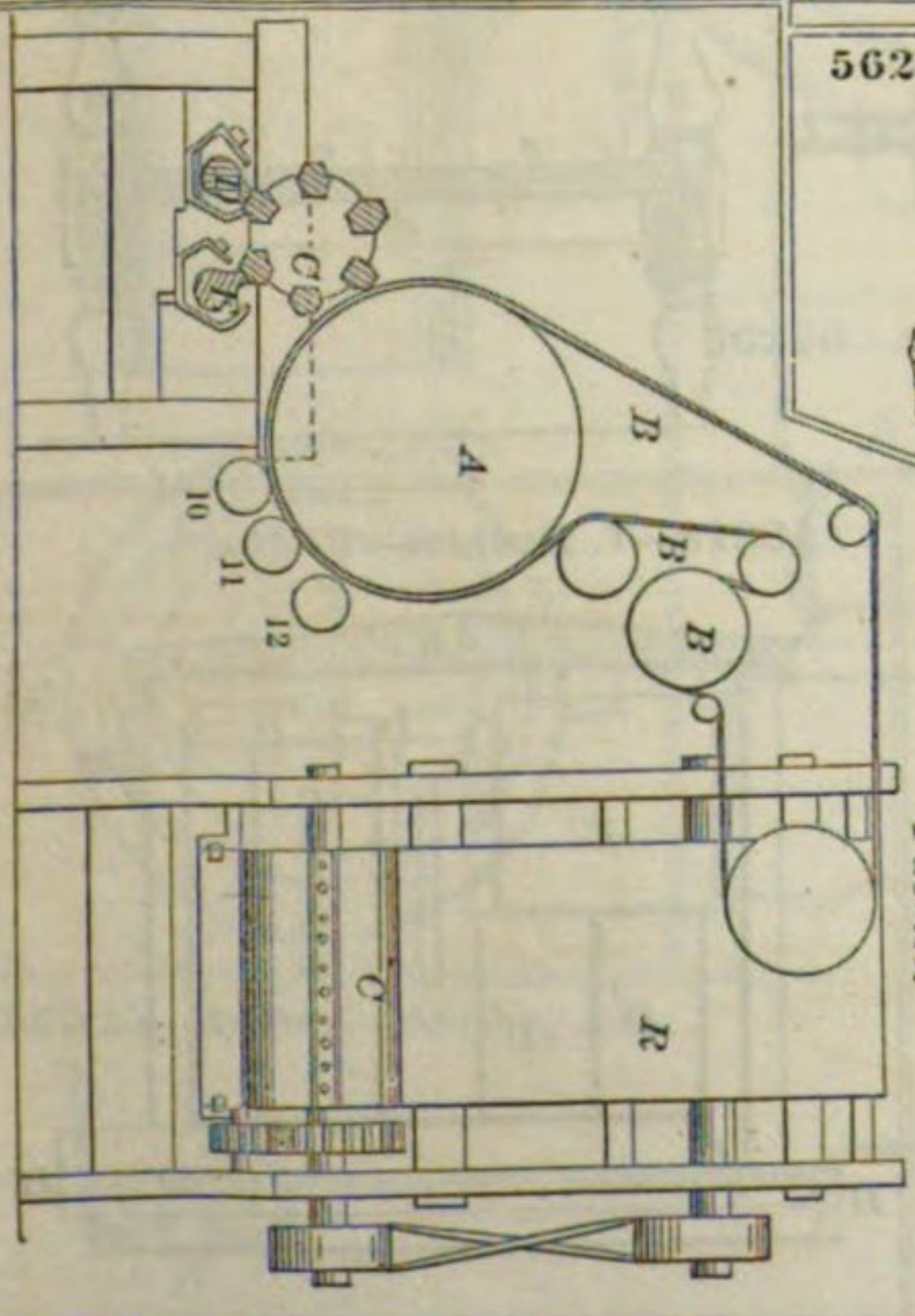
56209—F. C. Gridley—*Weather Strip for Doors*



56207—N. W. Gordon—*Coupling for Vehicles.*

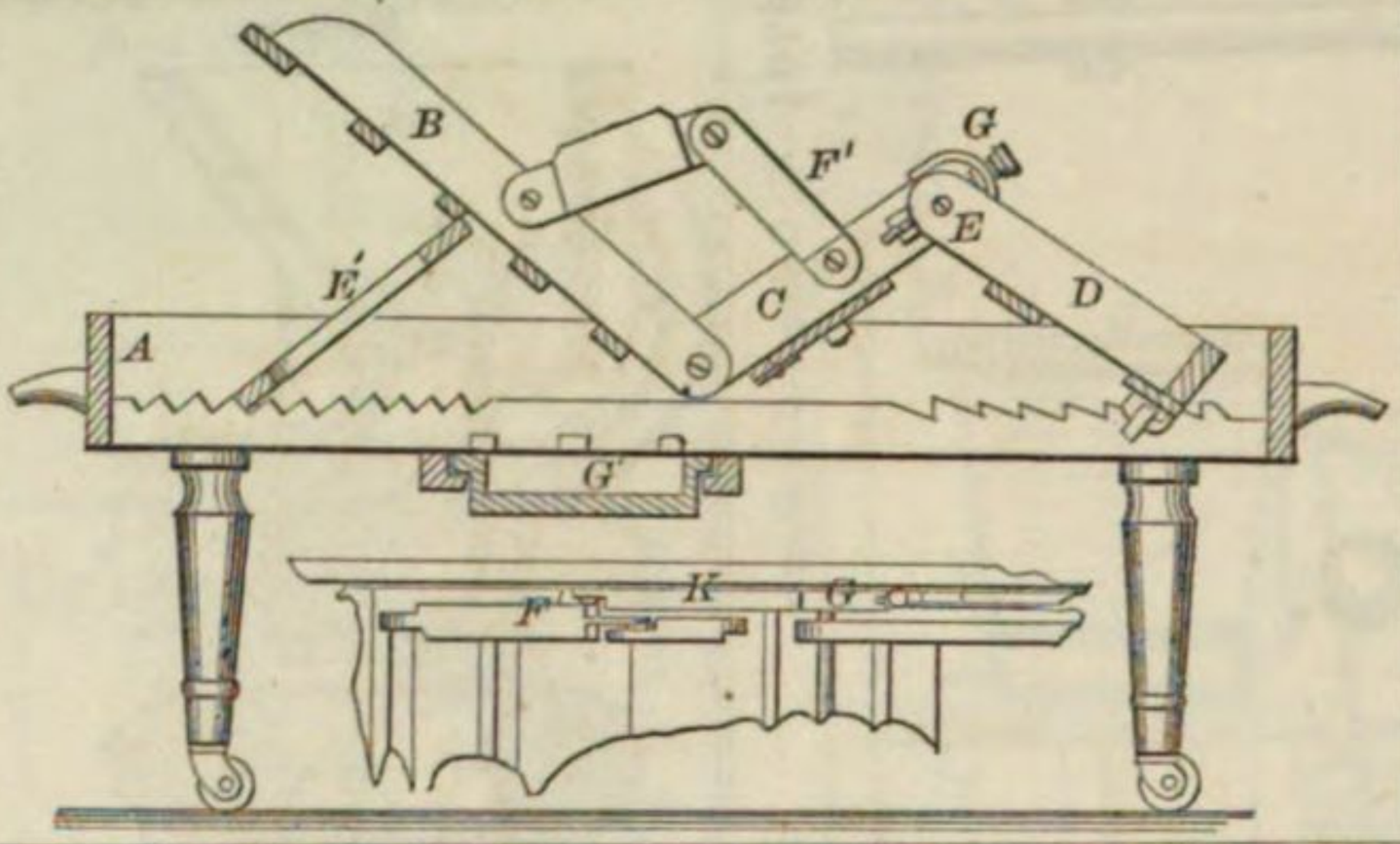


56208—J. Green—*Printing Textile Fabrics.*



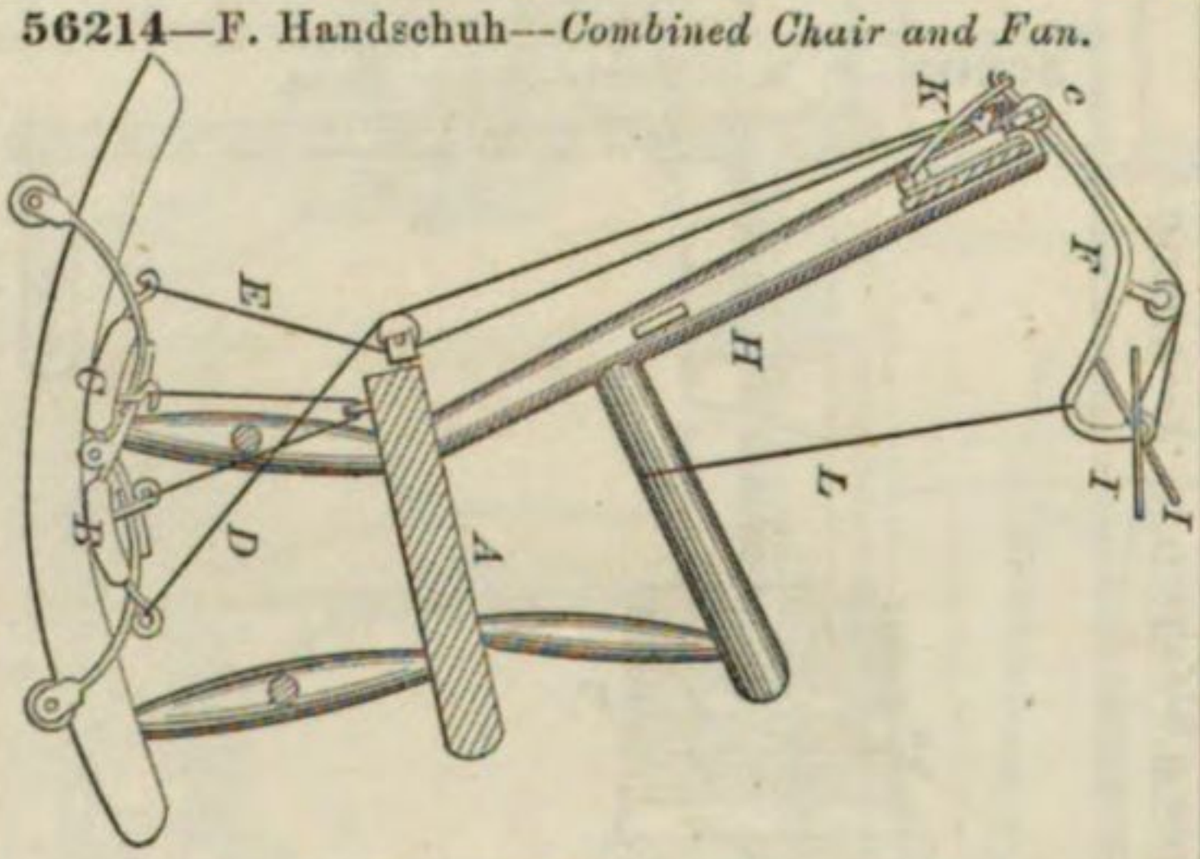
56210—C. A. Griswold—*Skirt Supporting Corset.*

56211—W. A. Guyer—*Invalid Bedstead.*

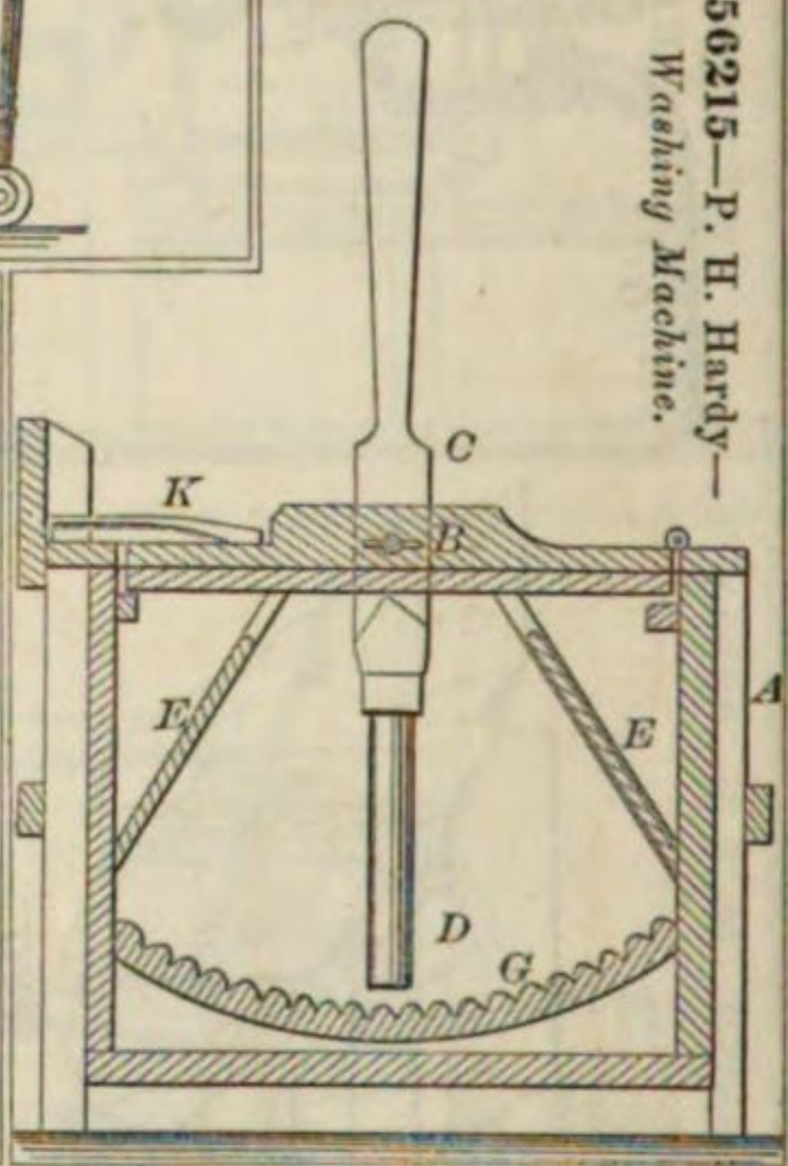


56213—J. C. Haines—*Bridle.*

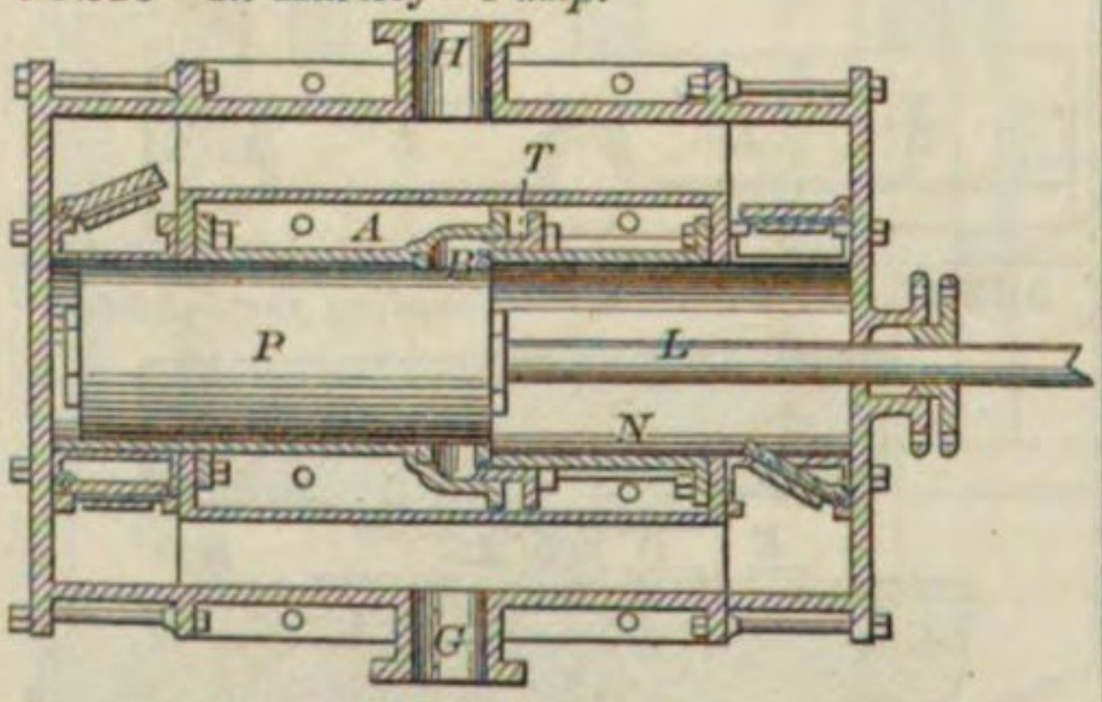
56214—F. Handschuh—*Combined Chair and Fan.*



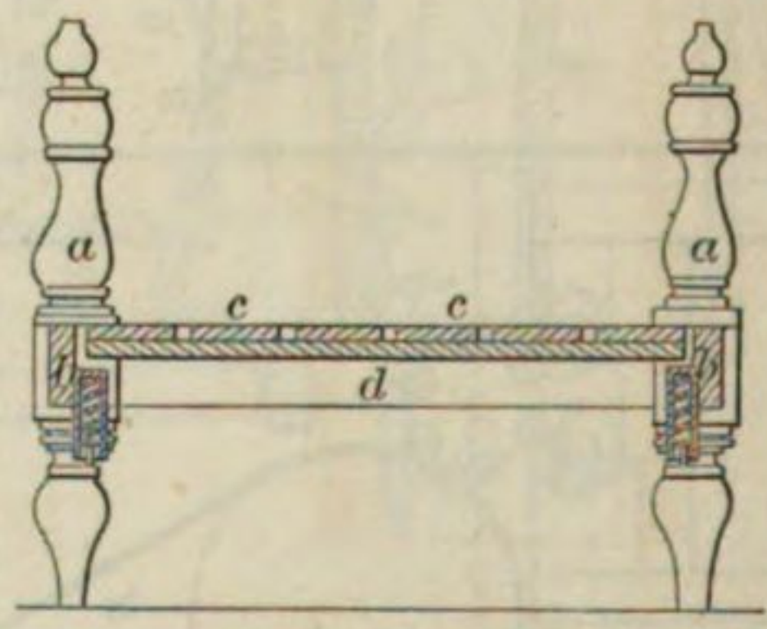
56215—P. H. Hardy—*Washing Machine.*



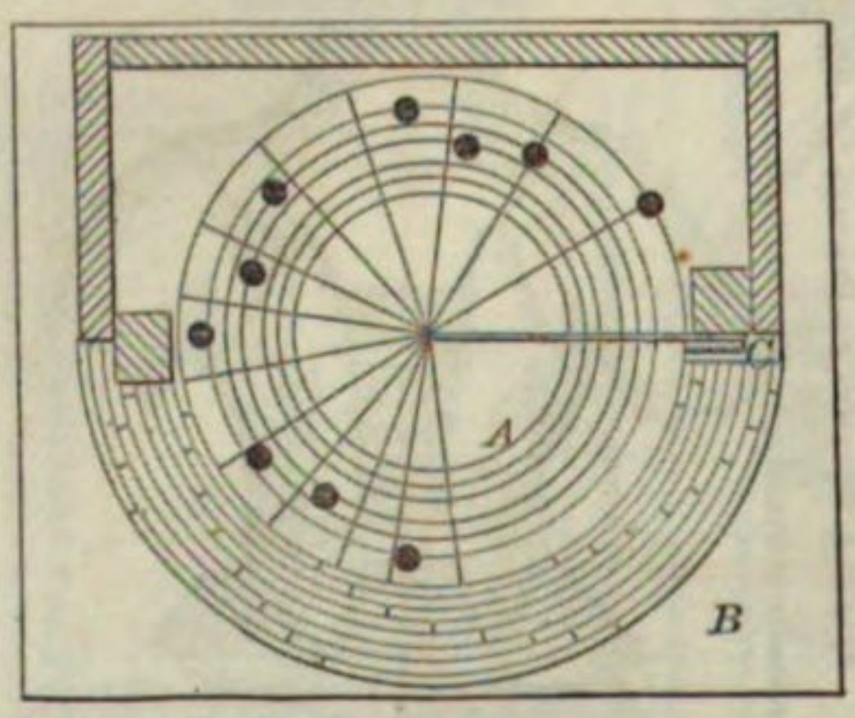
56218—R. Hartley—*Pump.*



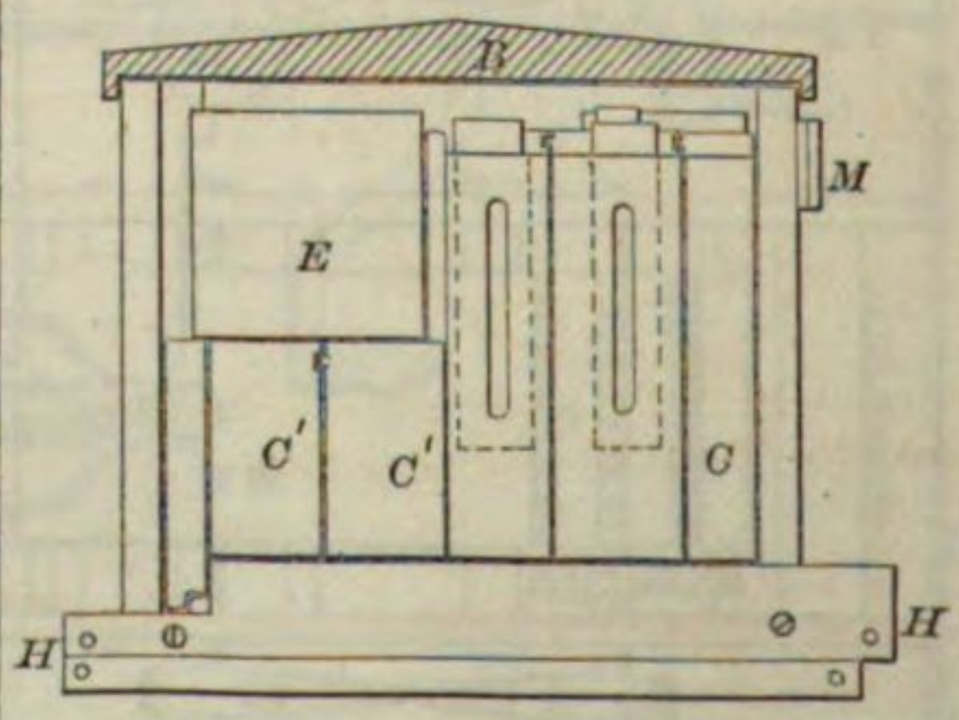
56216—B. S. Harrington—*Spring Bed.*



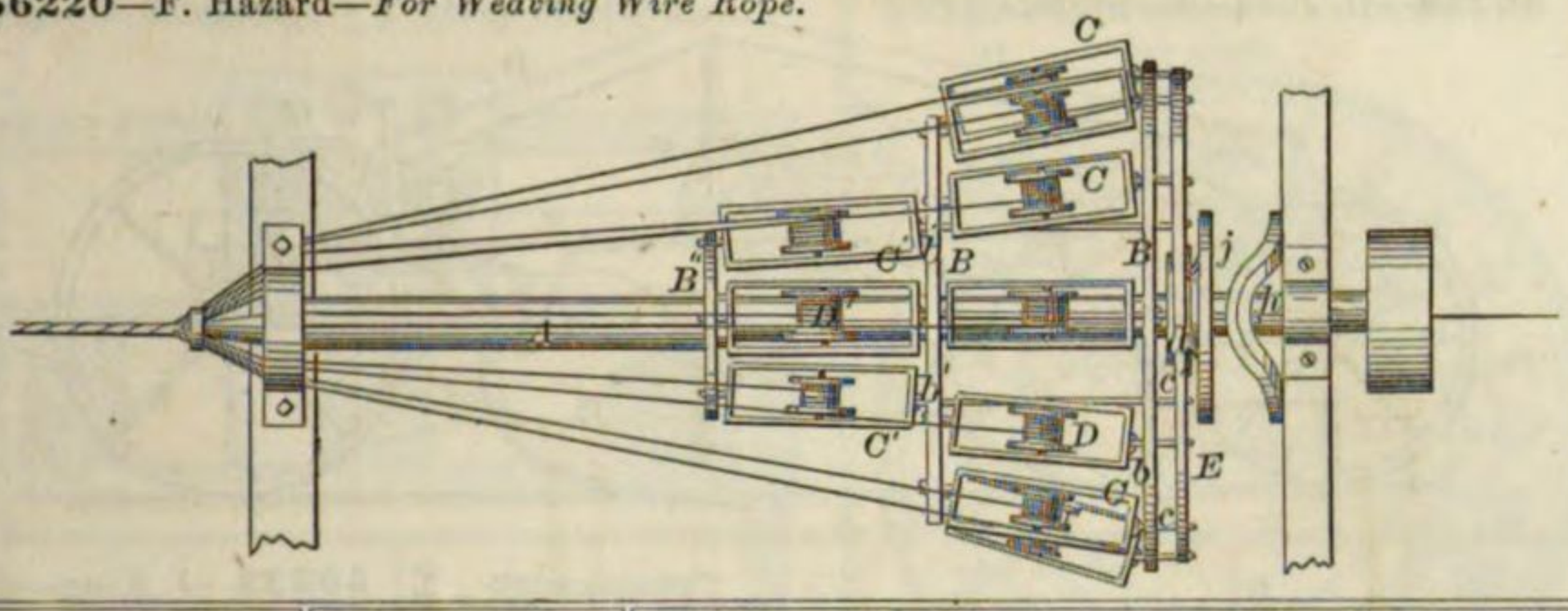
56212—J. Haines—*Cheese Cutter.*



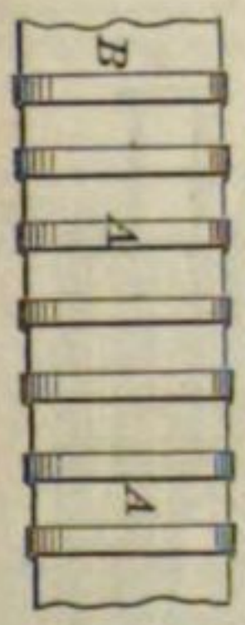
56219—T. Hawkins—*Beehive.*



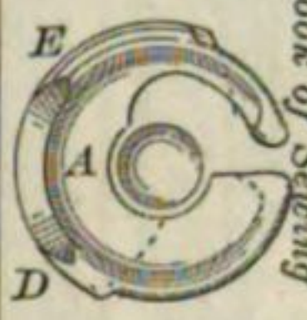
56220—F. Hazard—*For Weaving Wire Rope.*



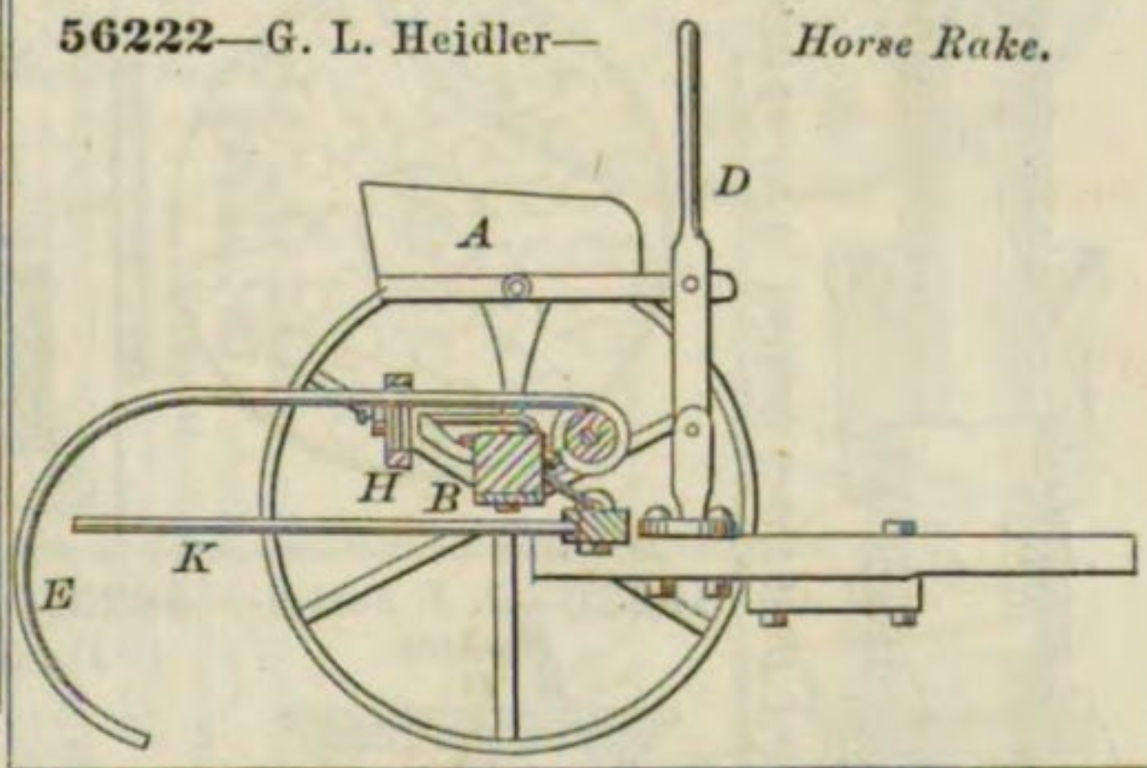
56221—C. W. S. Heaton—*Pantaloon Protector.*



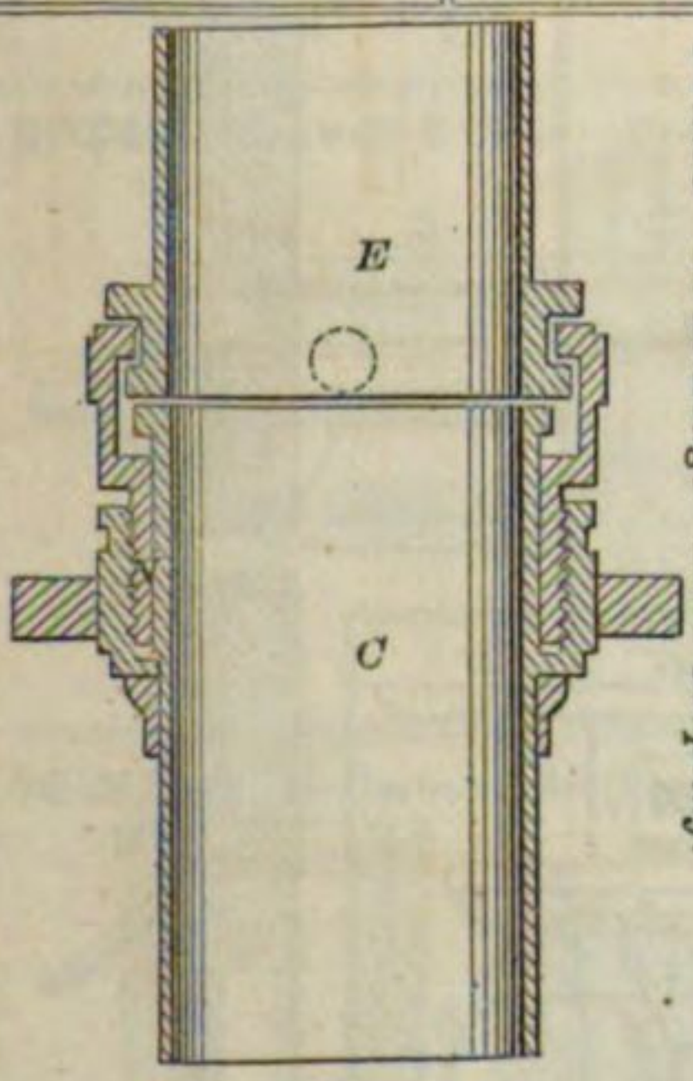
56224—J. A. & H. A. House—*Rotating Hook of Sewing Machines.*



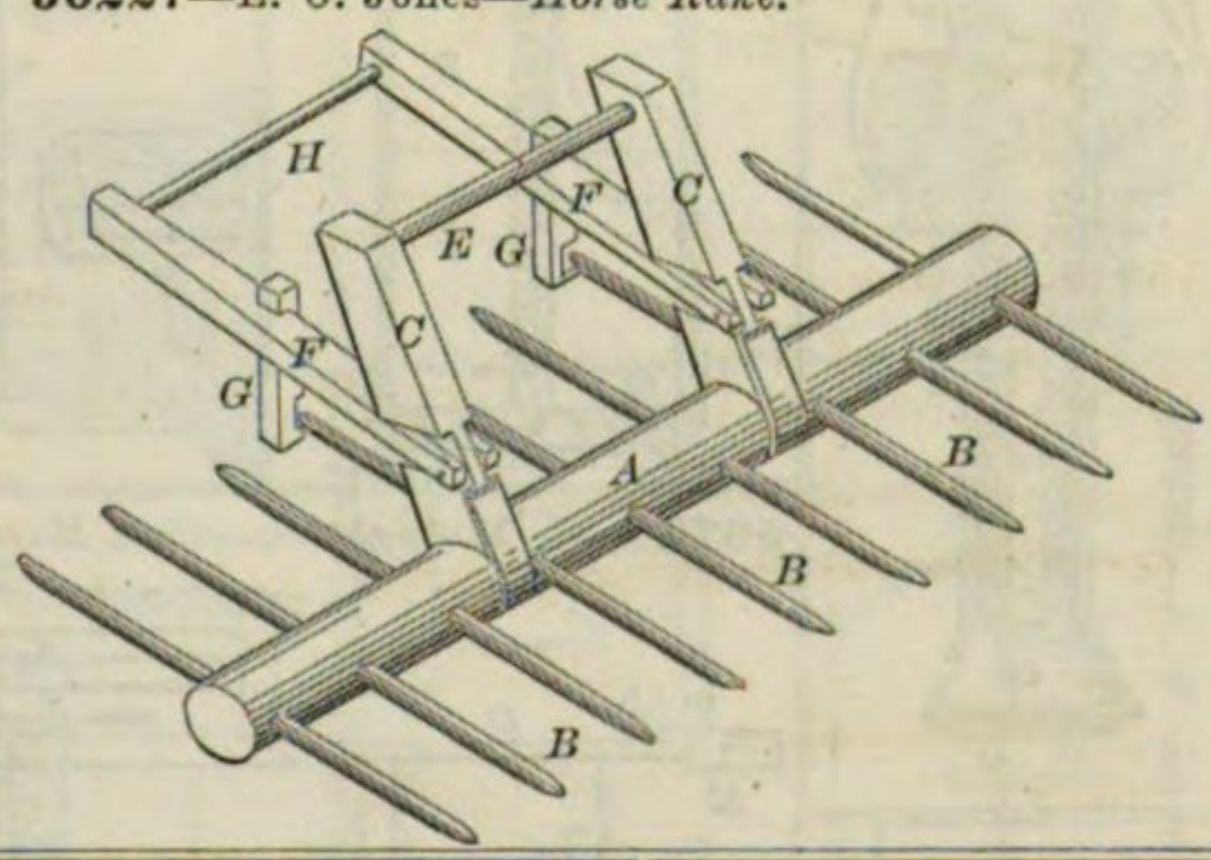
56222—G. L. Heidler—*Horse Rake.*



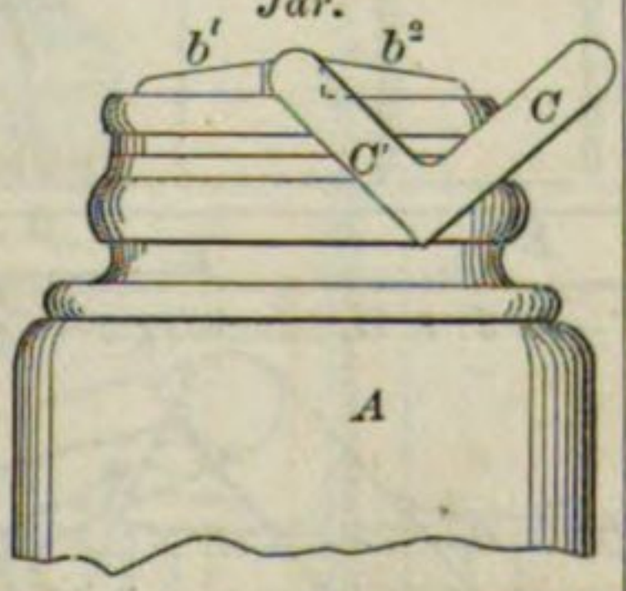
56223—R. Henegage—*Hose Coupling.*



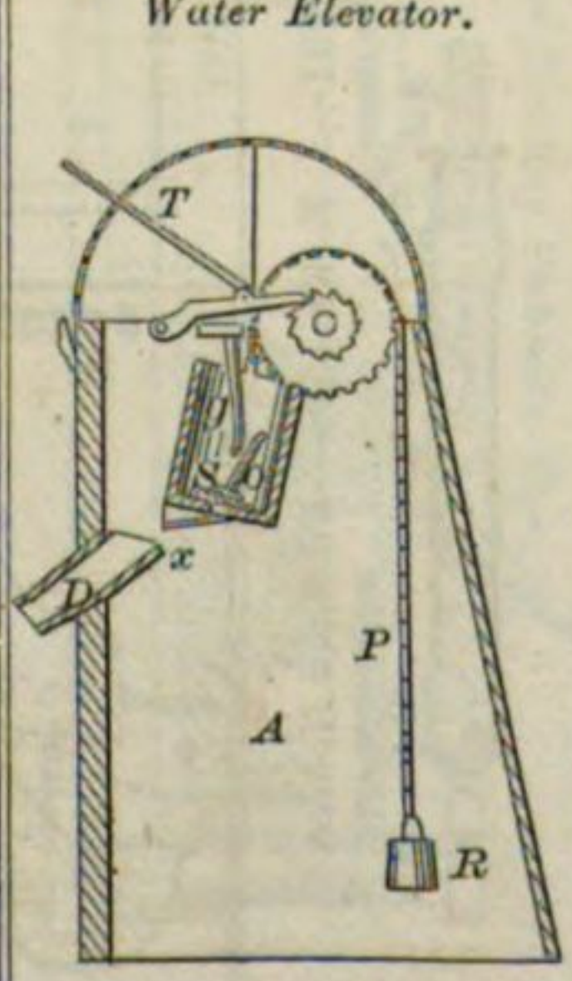
56227—E. O. Jones—*Horse Rake.*

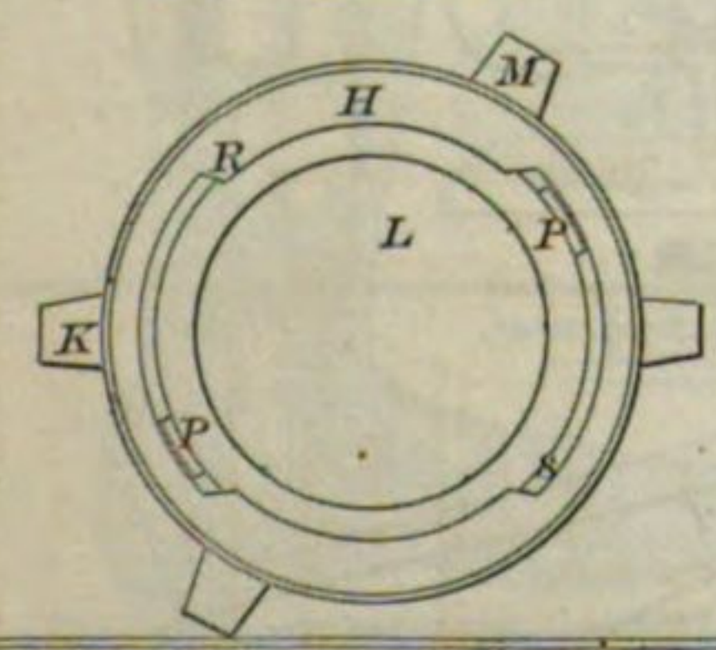


56226—J. Johnson—*Fruit Jar.*

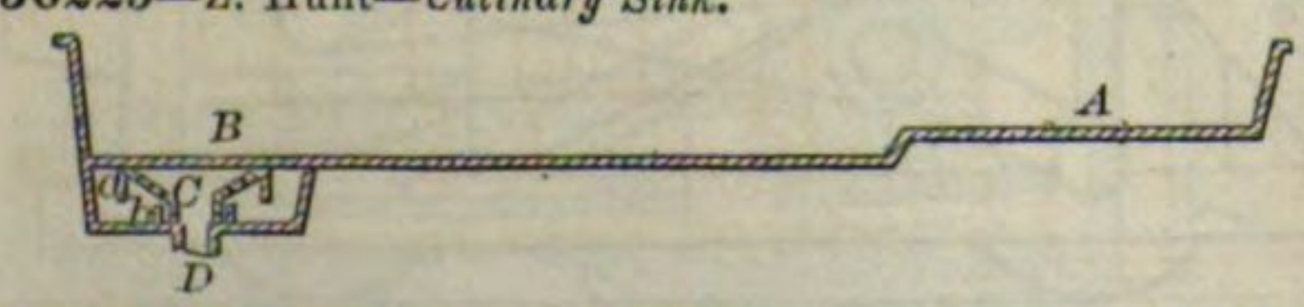


56228—S. F. Jones—*Water Elevator.*

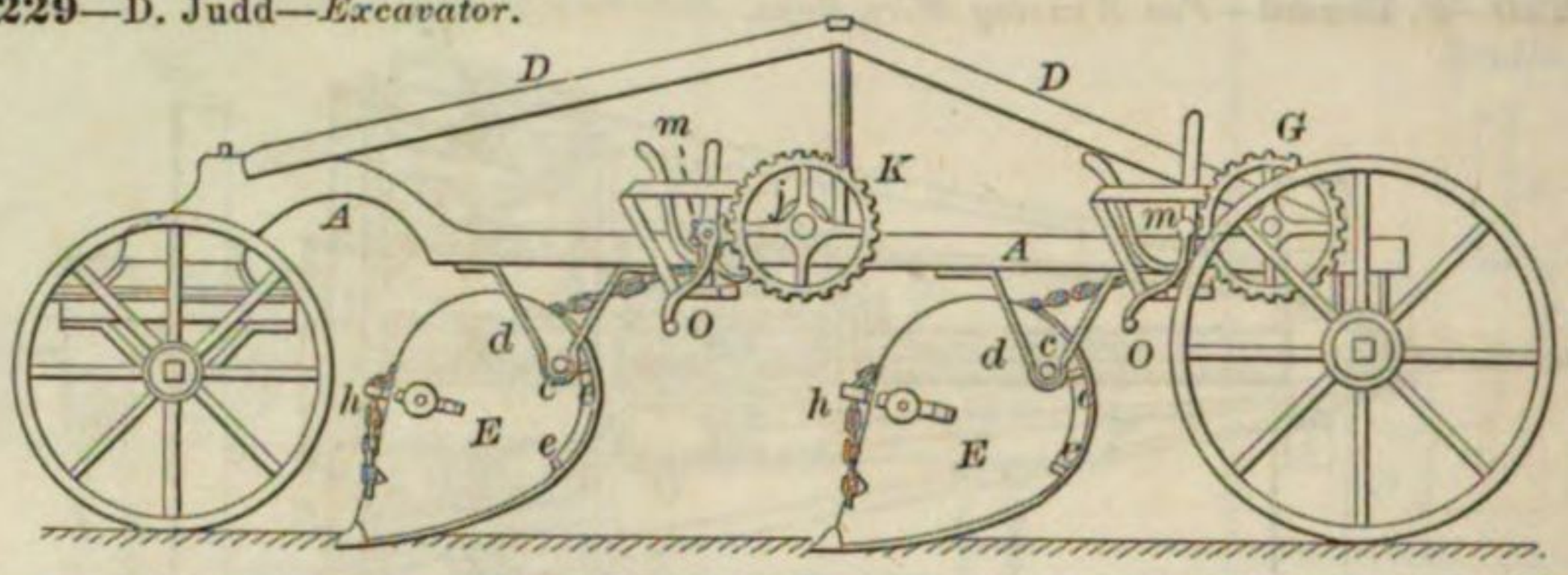




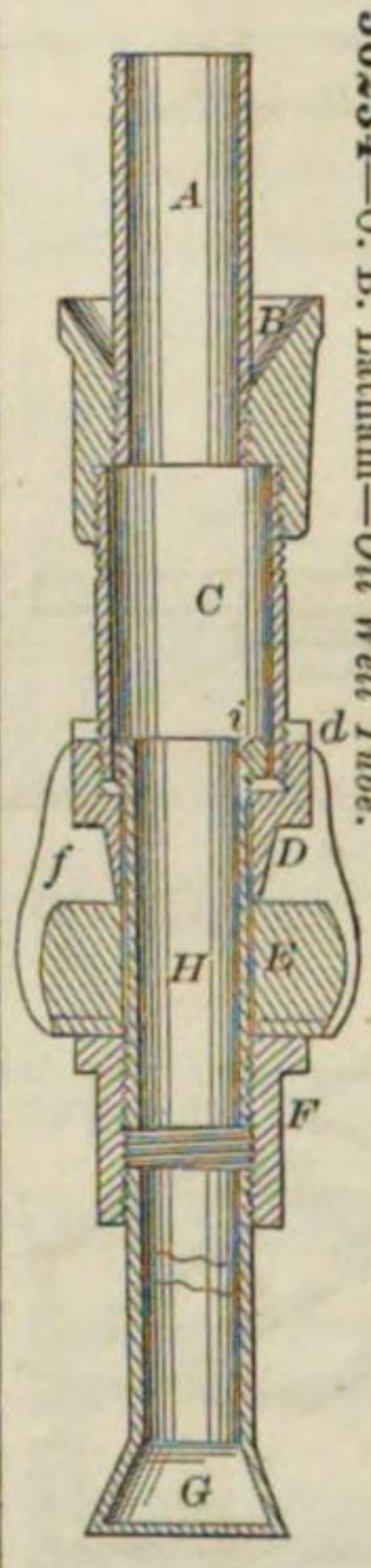
56225—Z. Hunt—*Culinary Sink.*



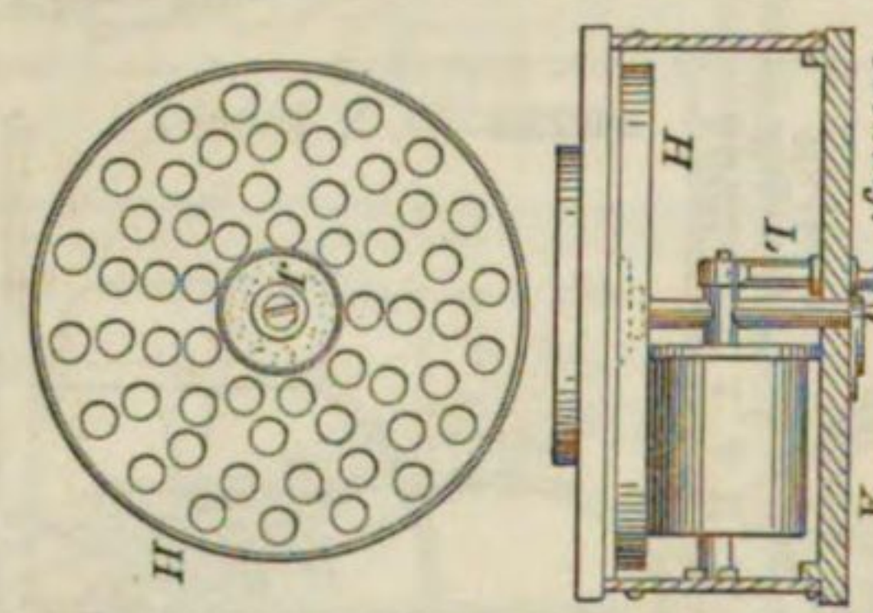
56229—D. Judd—*Excavator.*



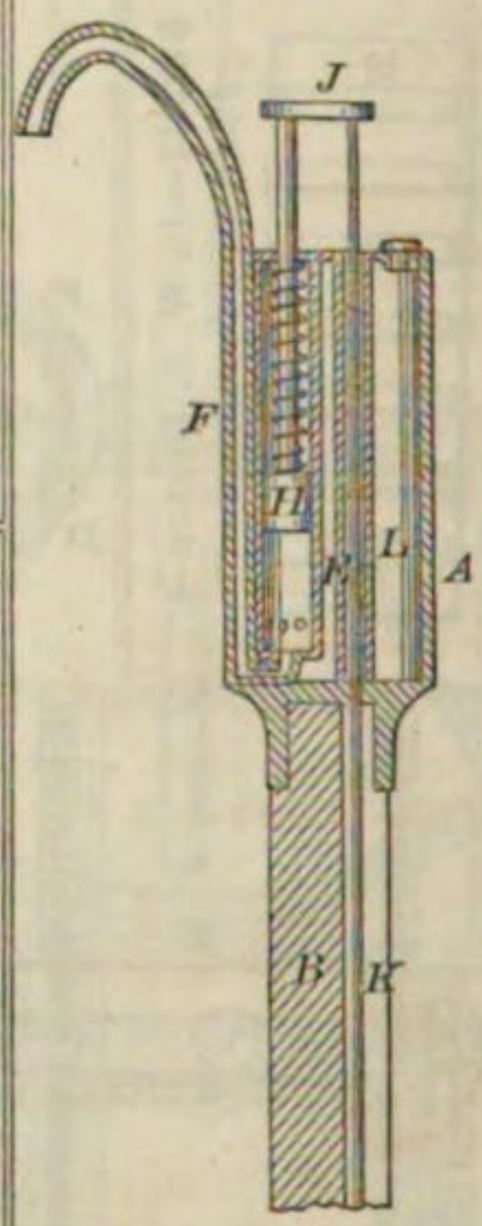
56234—O. B. Latham—*Oil Well Tube.*



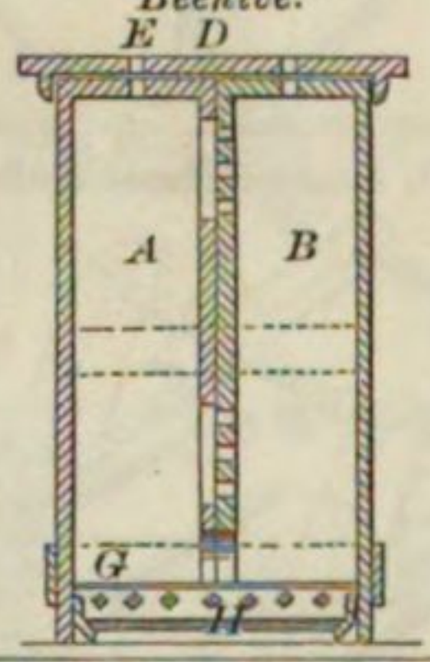
56232 A. C. Kasson—*Corking.*



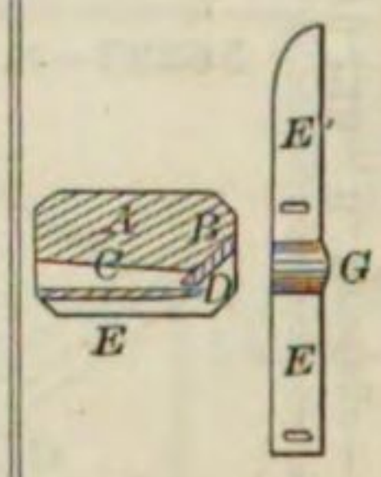
56233—J. King—*Oiler.*



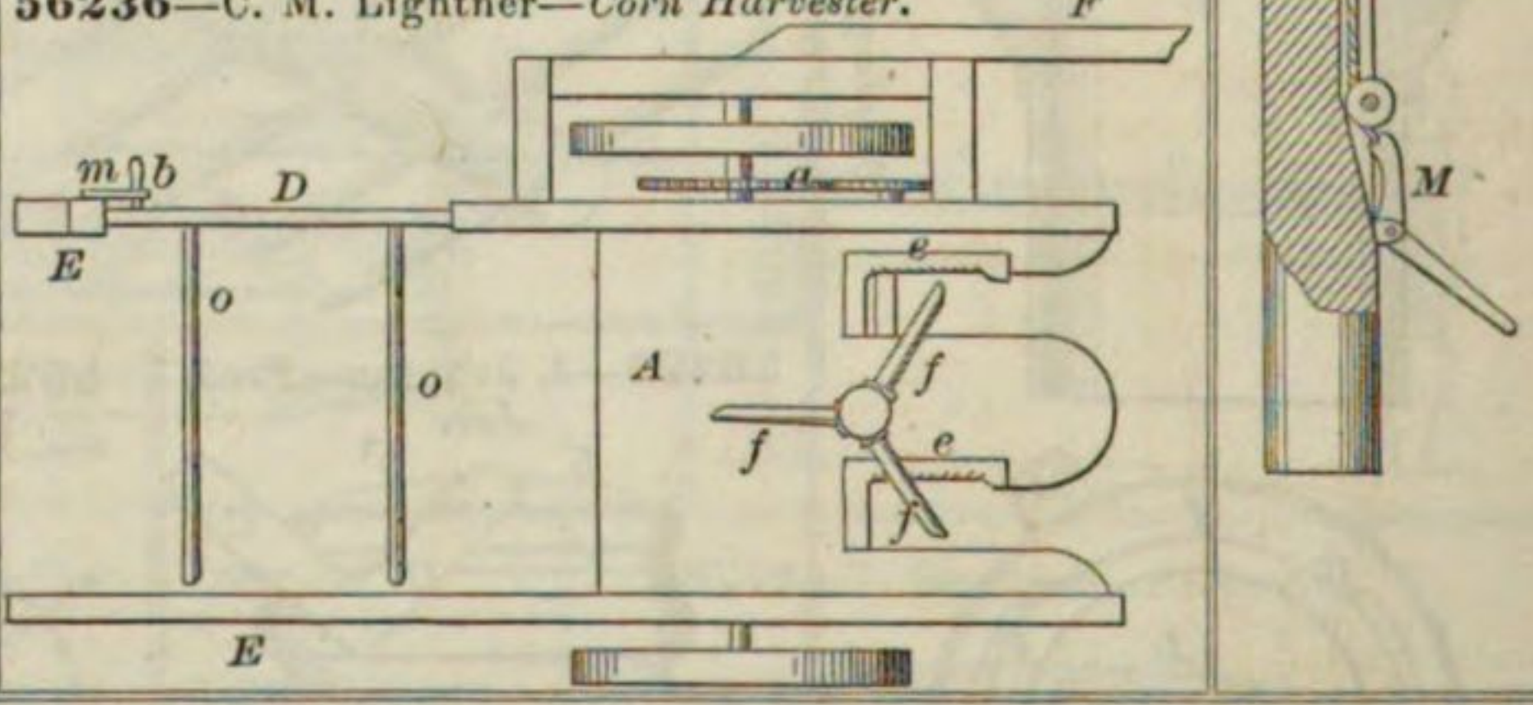
56230—J. J. Justin—*Beehive.*



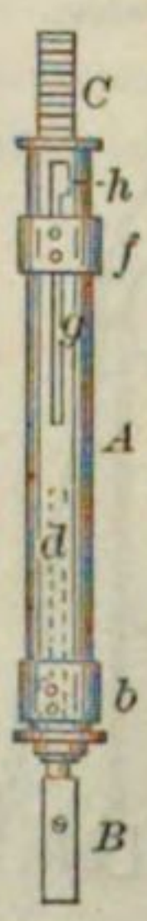
56235—J. Lebeau—*Paring Knife.*



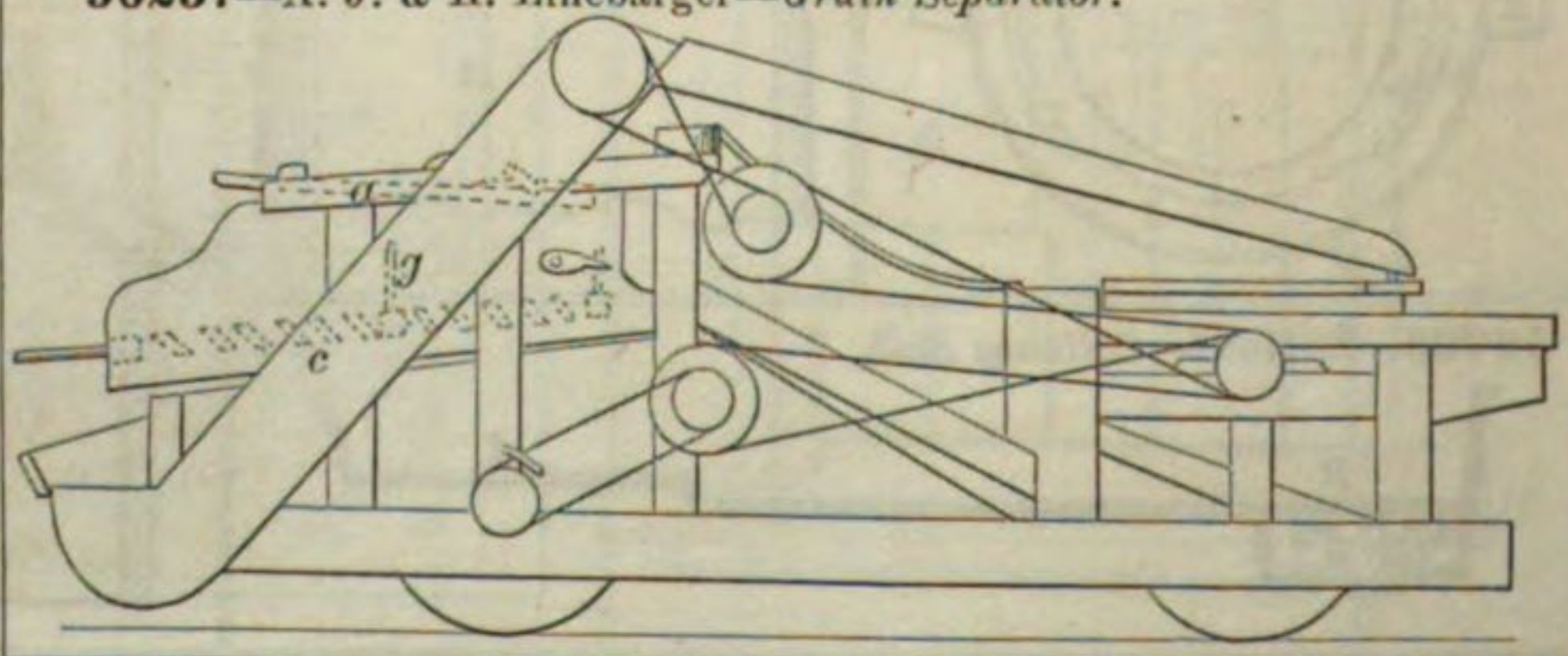
56236—C. M. Lightner—*Corn Harvester.*



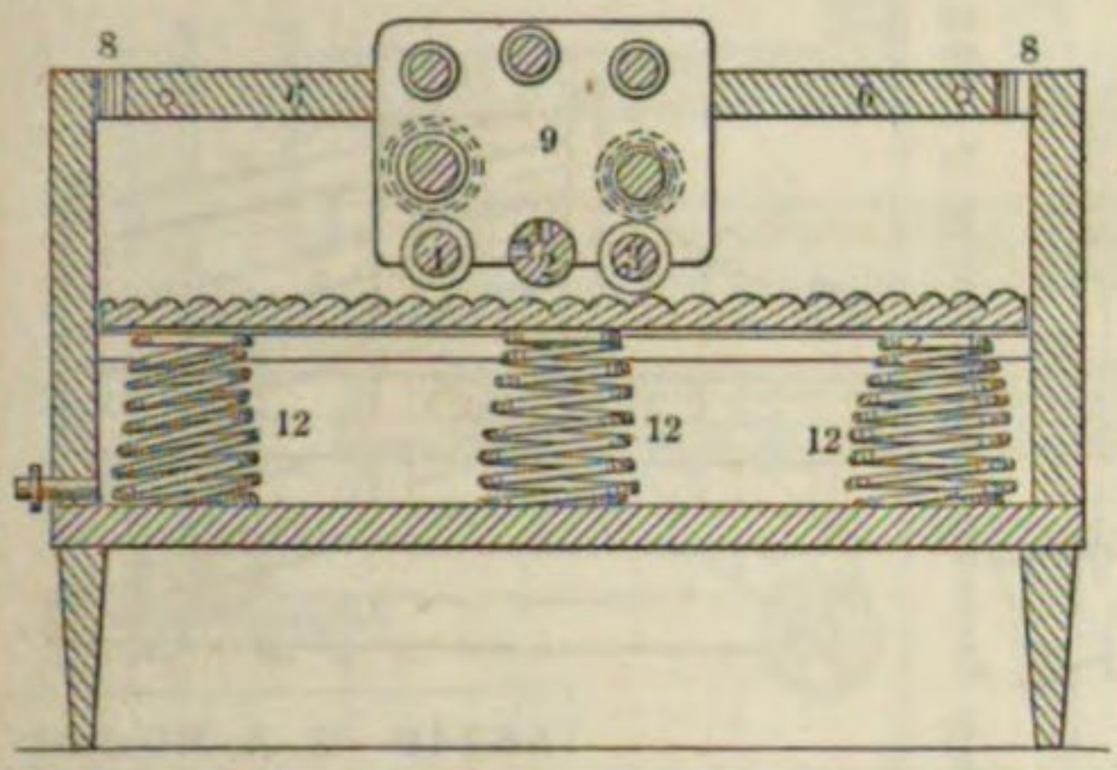
56231—J. E. Karelsen—*Diamond Holder.*



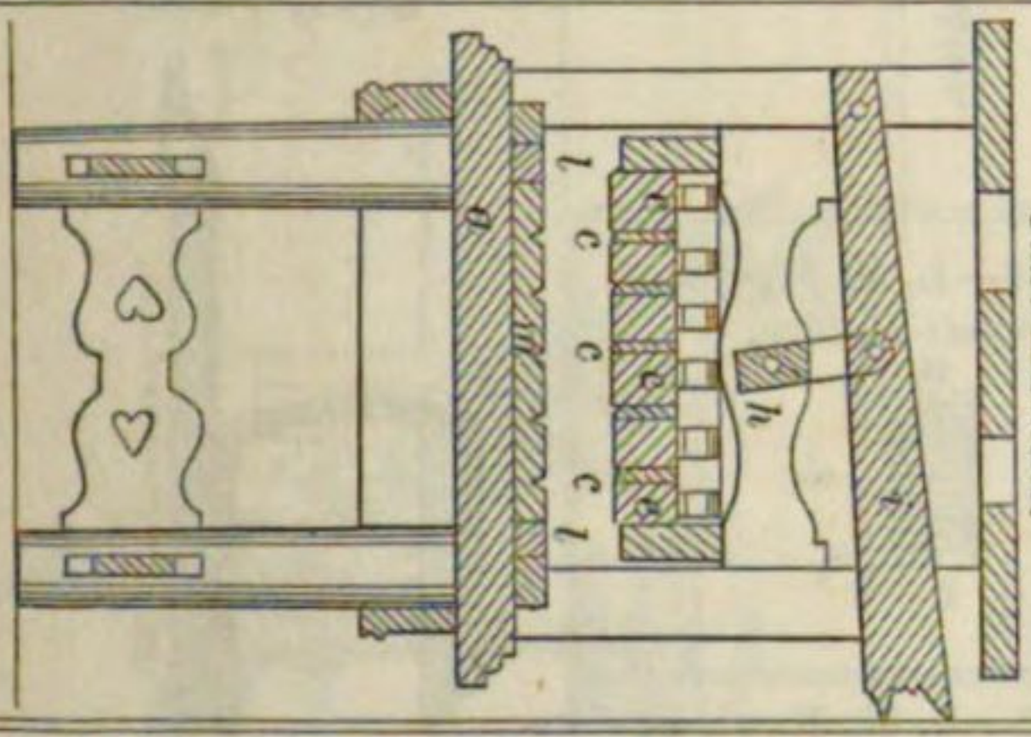
56237—A. J. & H. Linebarger—*Grain Separator.*



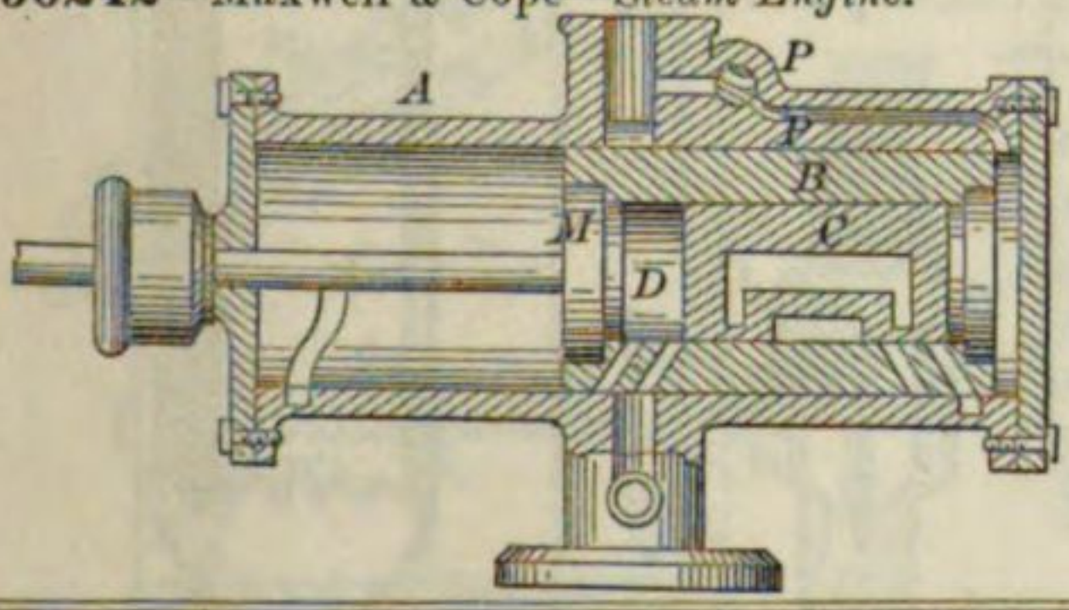
56238—J. Lochridge—*Washing Machine.*



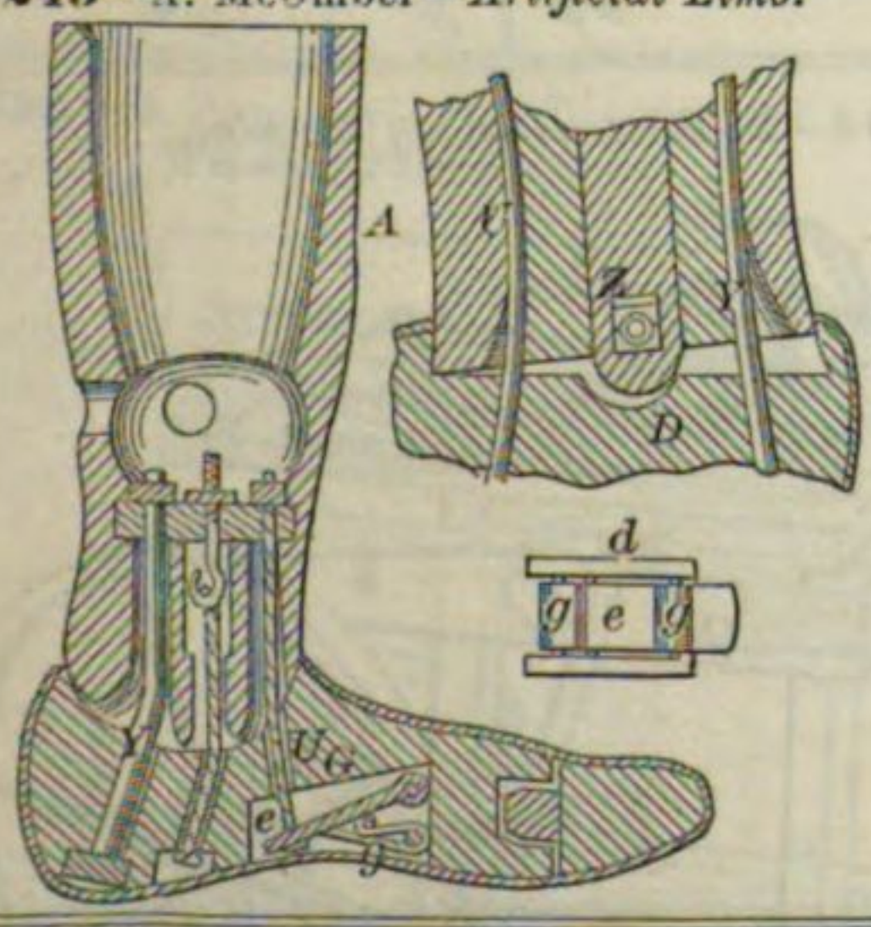
56241—W. Manning—*Corn Cake Machine.*



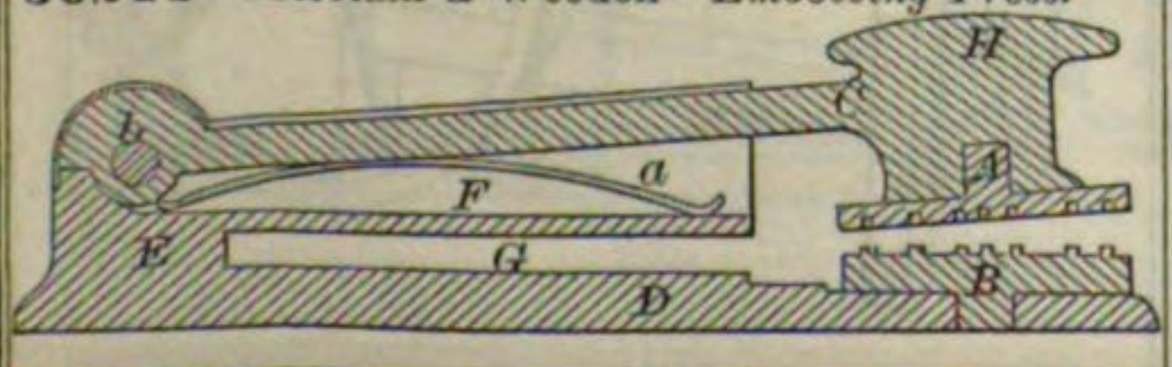
56242—Maxwell & Cope—*Steam Engine.*



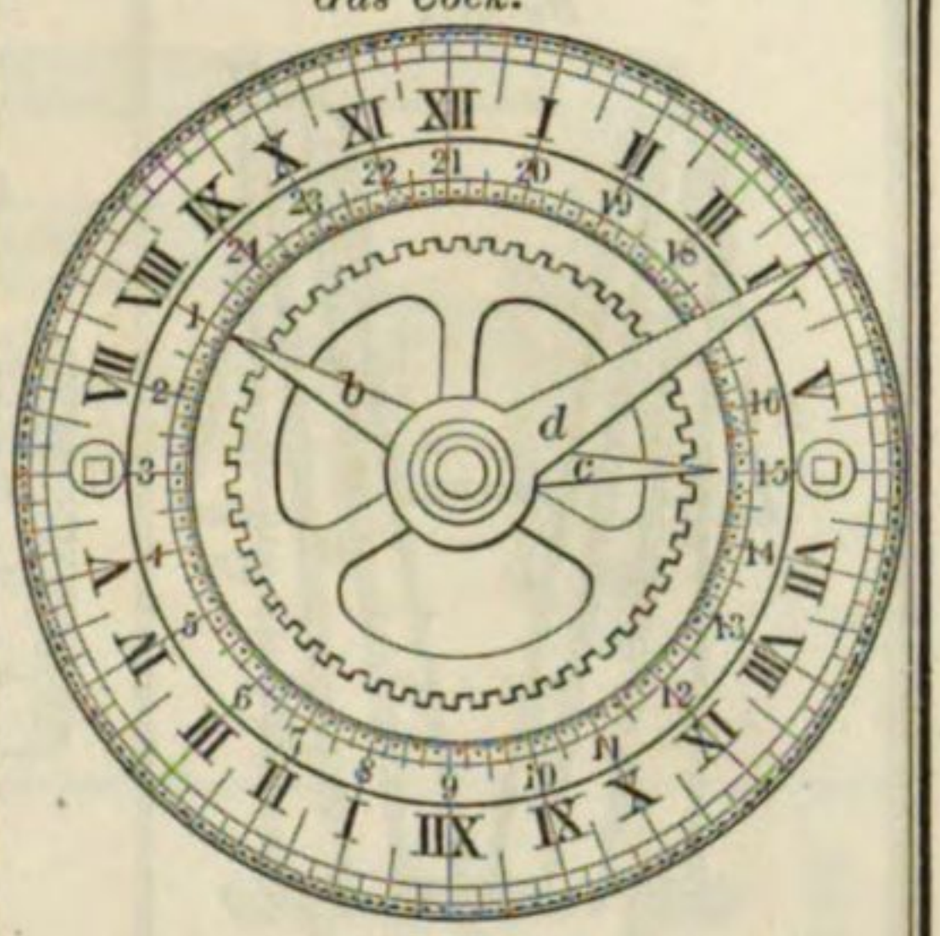
56243—A. McOmber—*Artificial Limb.*

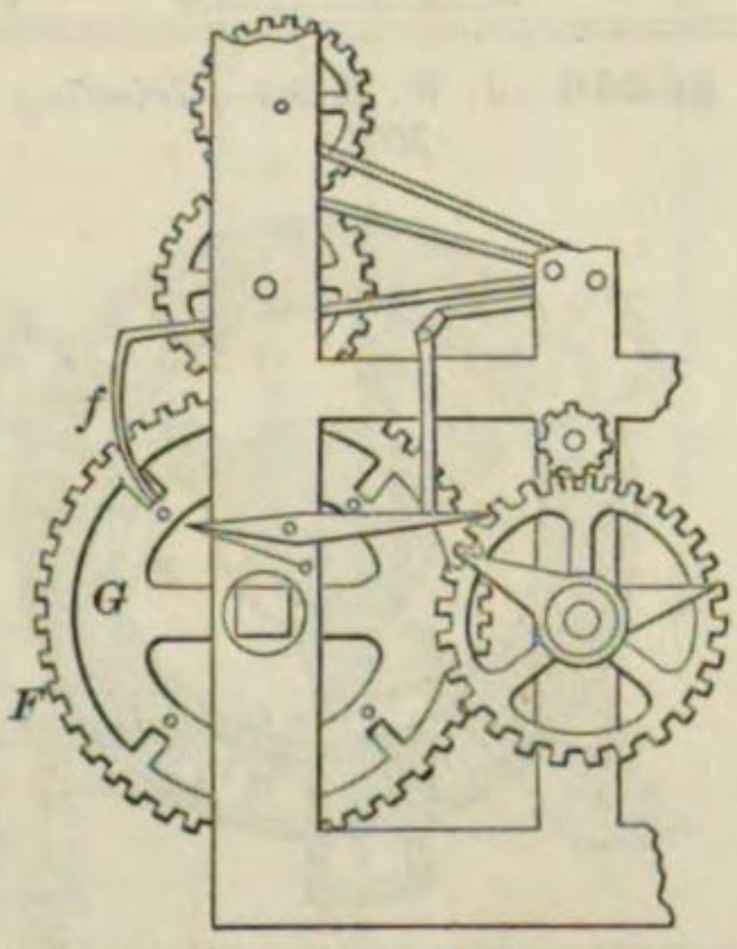


56244—Merriam & Weeden—*Embossing Press.*

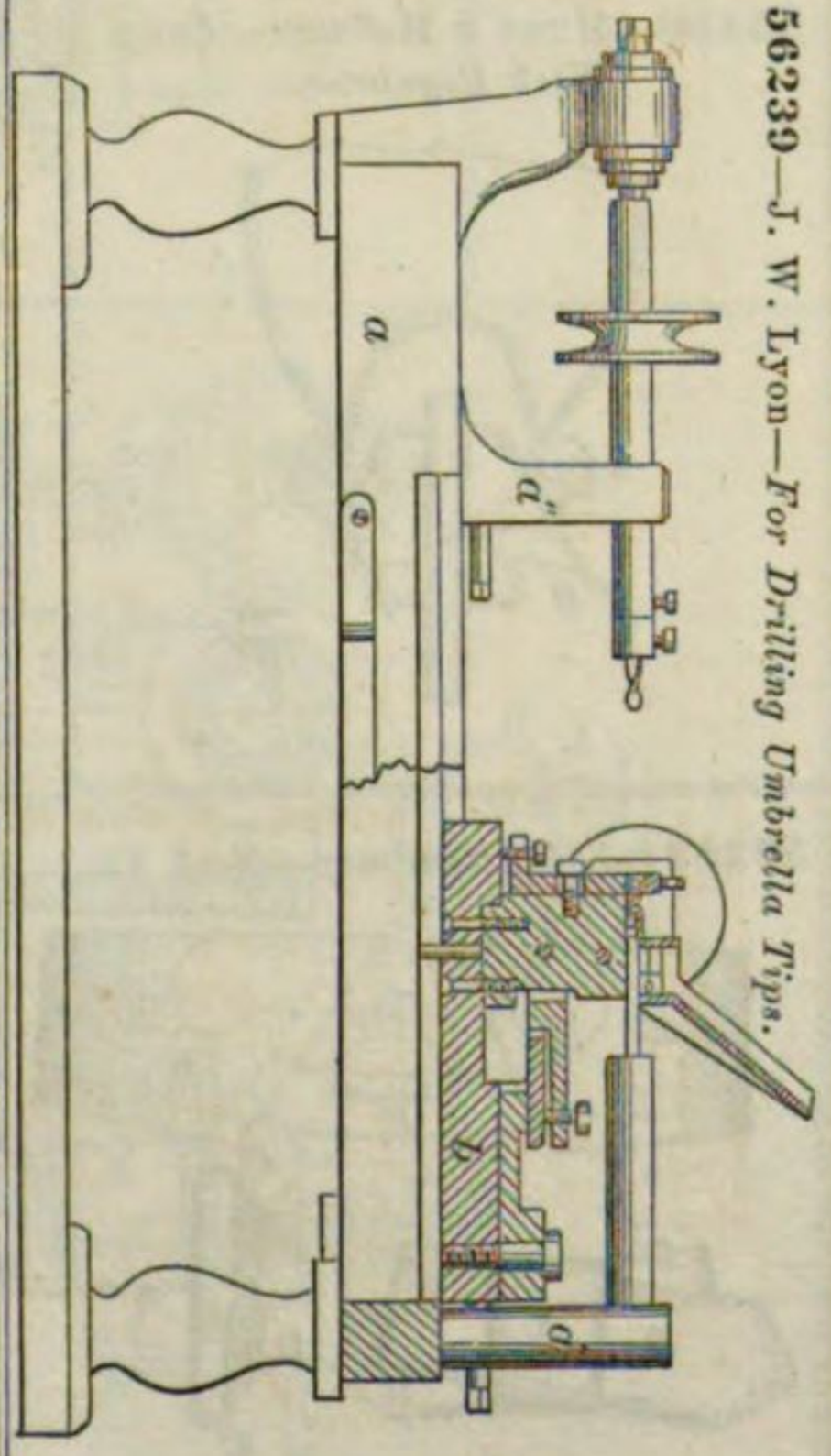


56240—C. Mac Rae—*Automatic Gas Cock.*

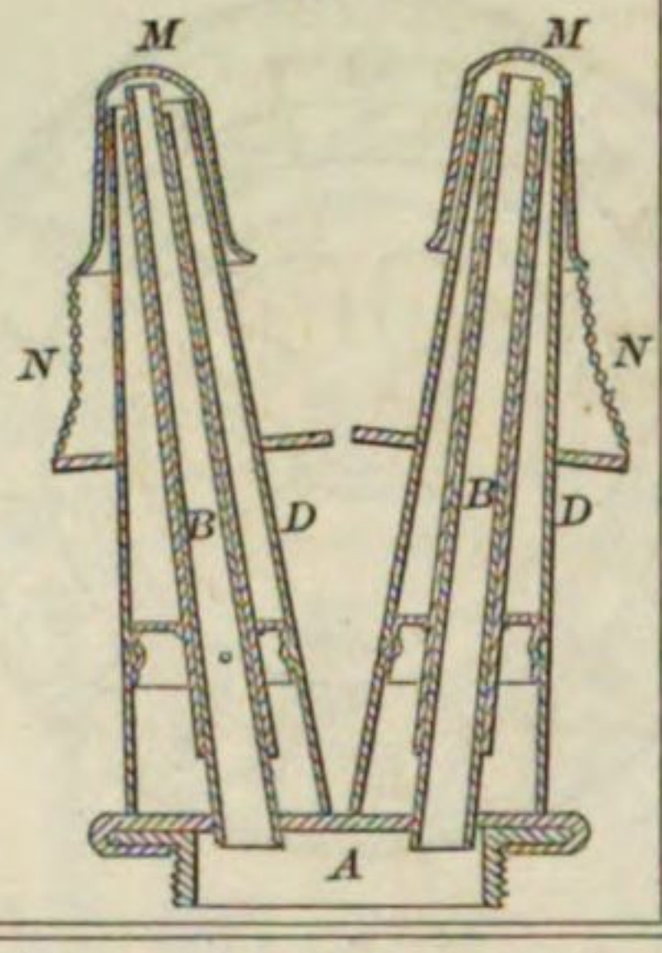




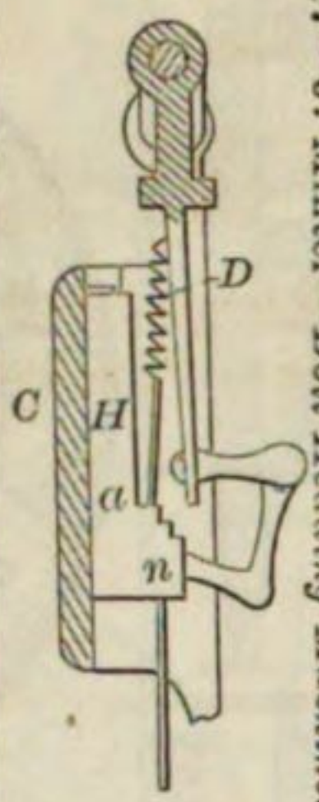
56239—J. W. Lyon—*For Drilling Umbrella Tips.*



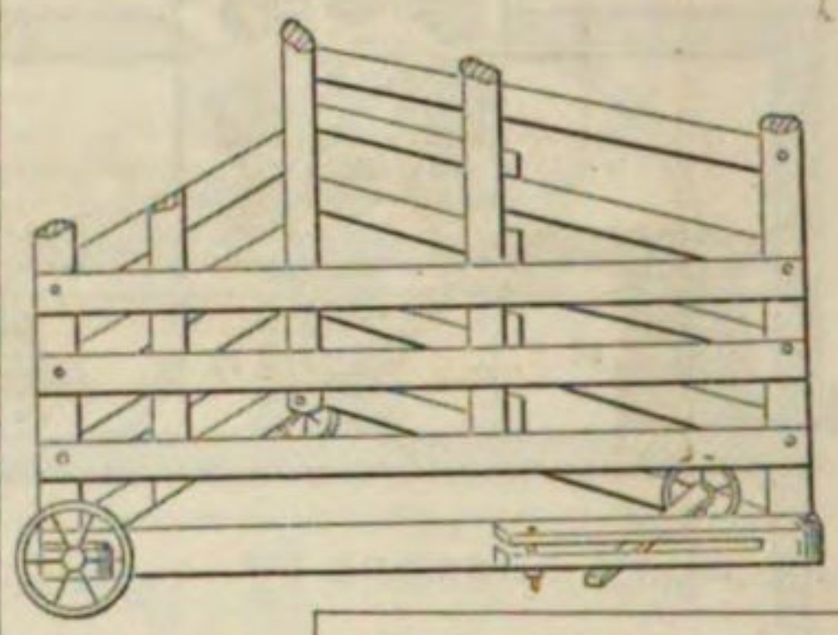
56245—R. S. Merrill—*Lamp Burner.*



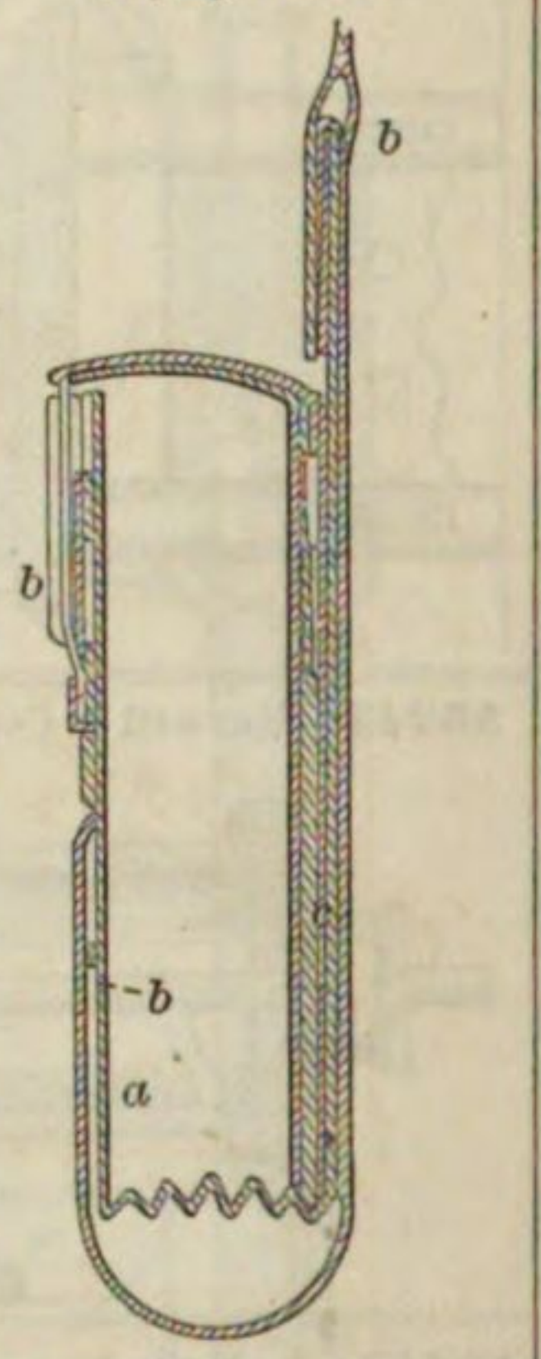
56247—J. Minter—*Bolt Heading Machine.*



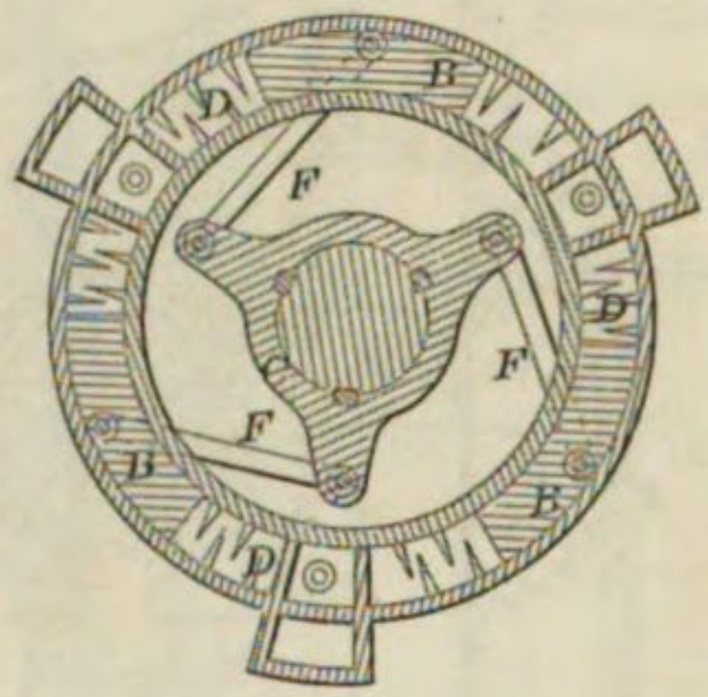
56249—A. Morley—*Stock Yard.*



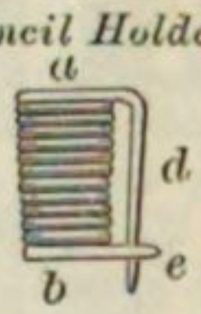
56248—G. A. Mitchell—*Safety Pocket.*



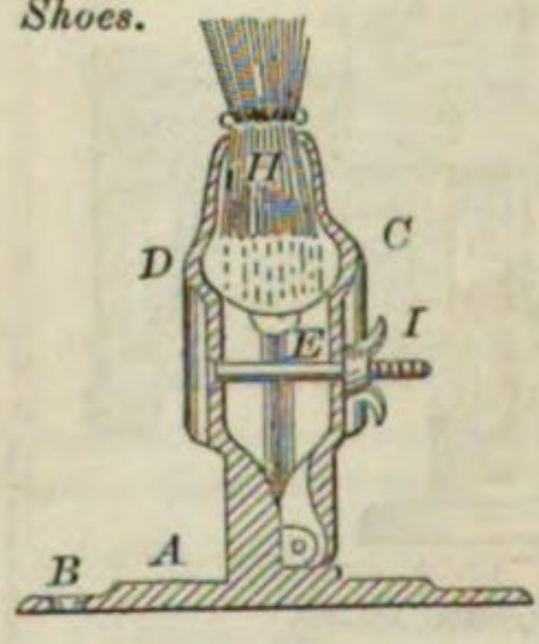
56246—J. W. Miles—*Grinding Mill.*



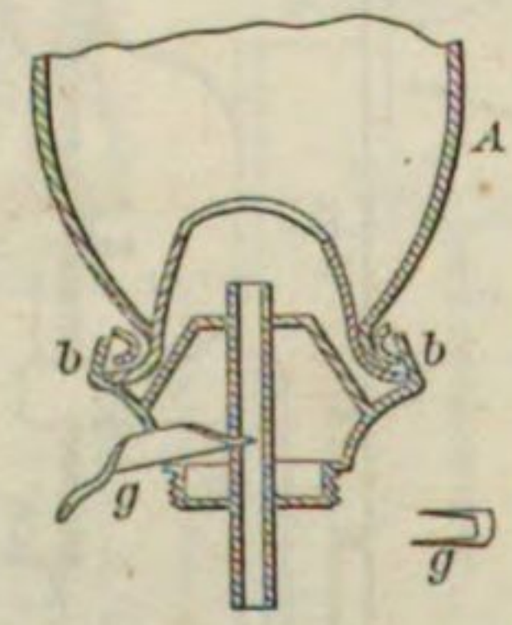
56251—L. B. Myers—*Pencil Holder.*



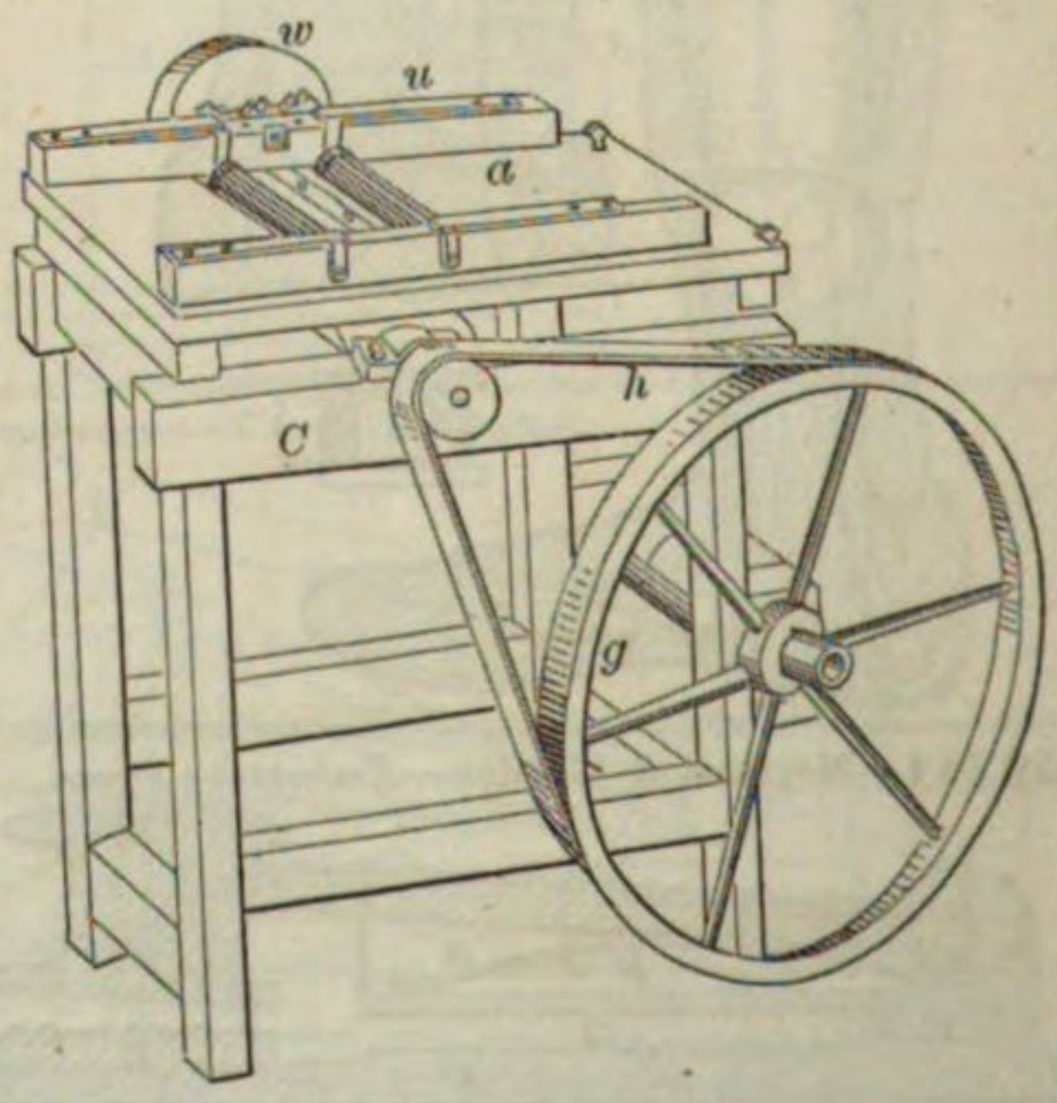
56252—L. M. Newbury—*For Cleaning Boots and Shoes.*



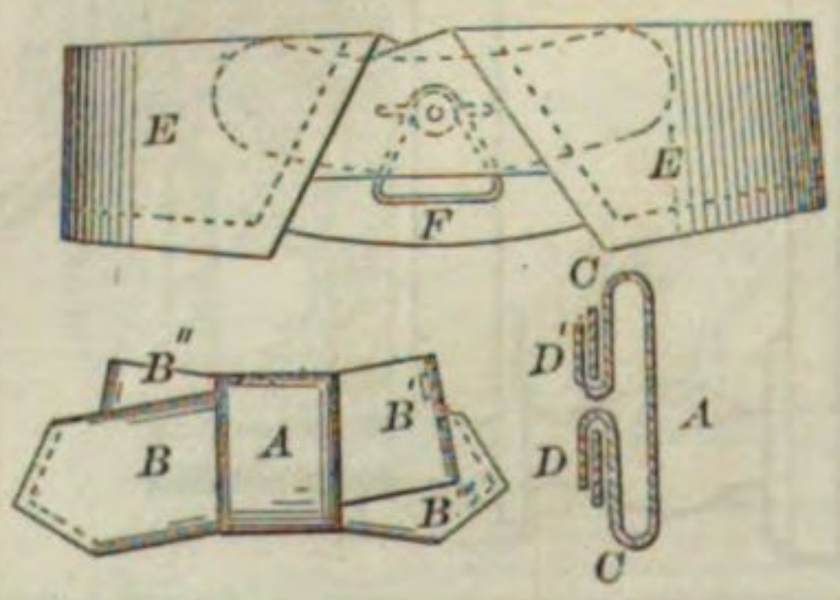
56250—Mund & Hoffman—*Lamp Wick Regulator.*



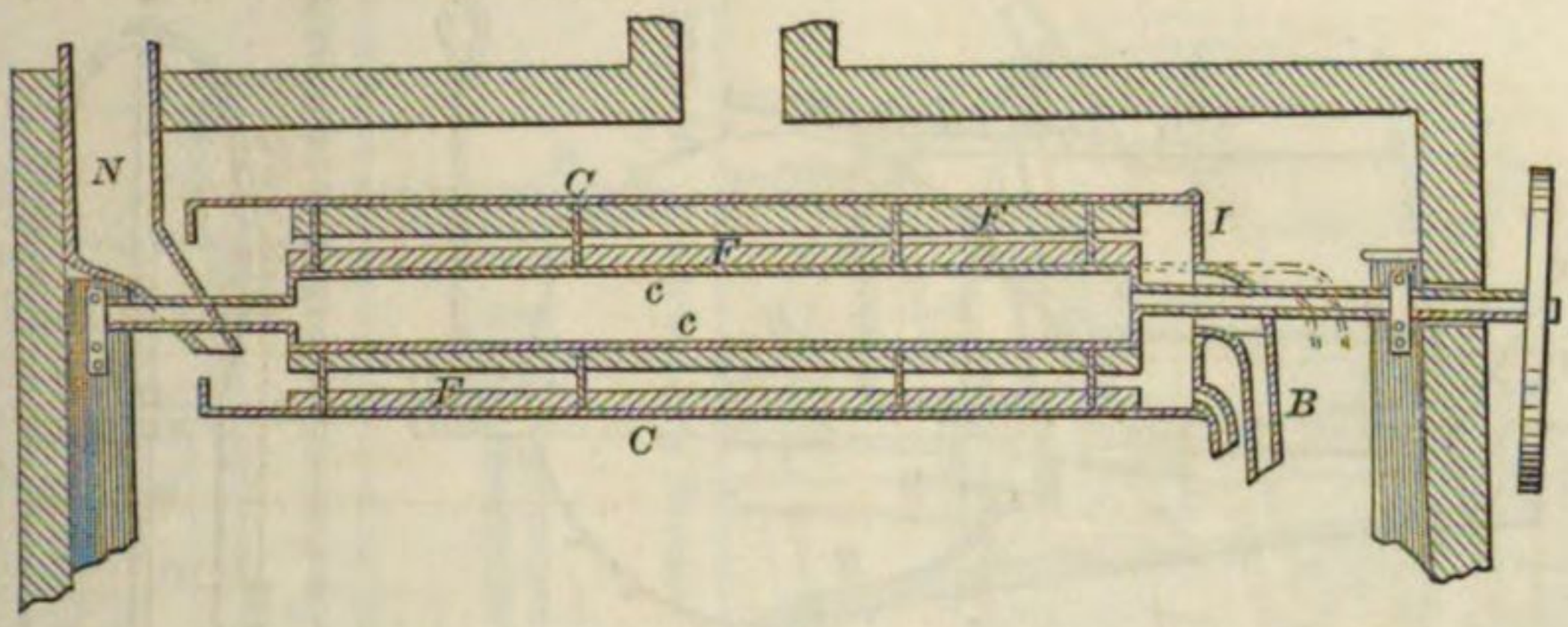
56254—D. Niles—*Planing Machine.*



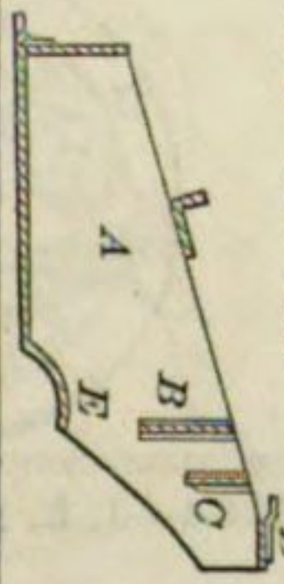
56253—J. W. Newbury—*Neck Tie.*



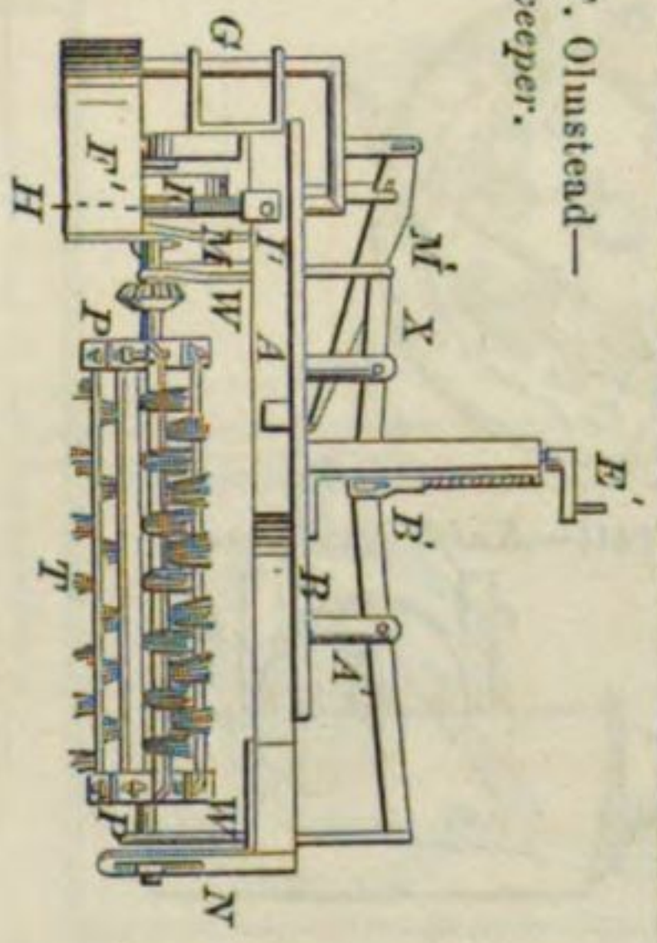
56255—J. Norton, 3d—*Grain Dryer.*

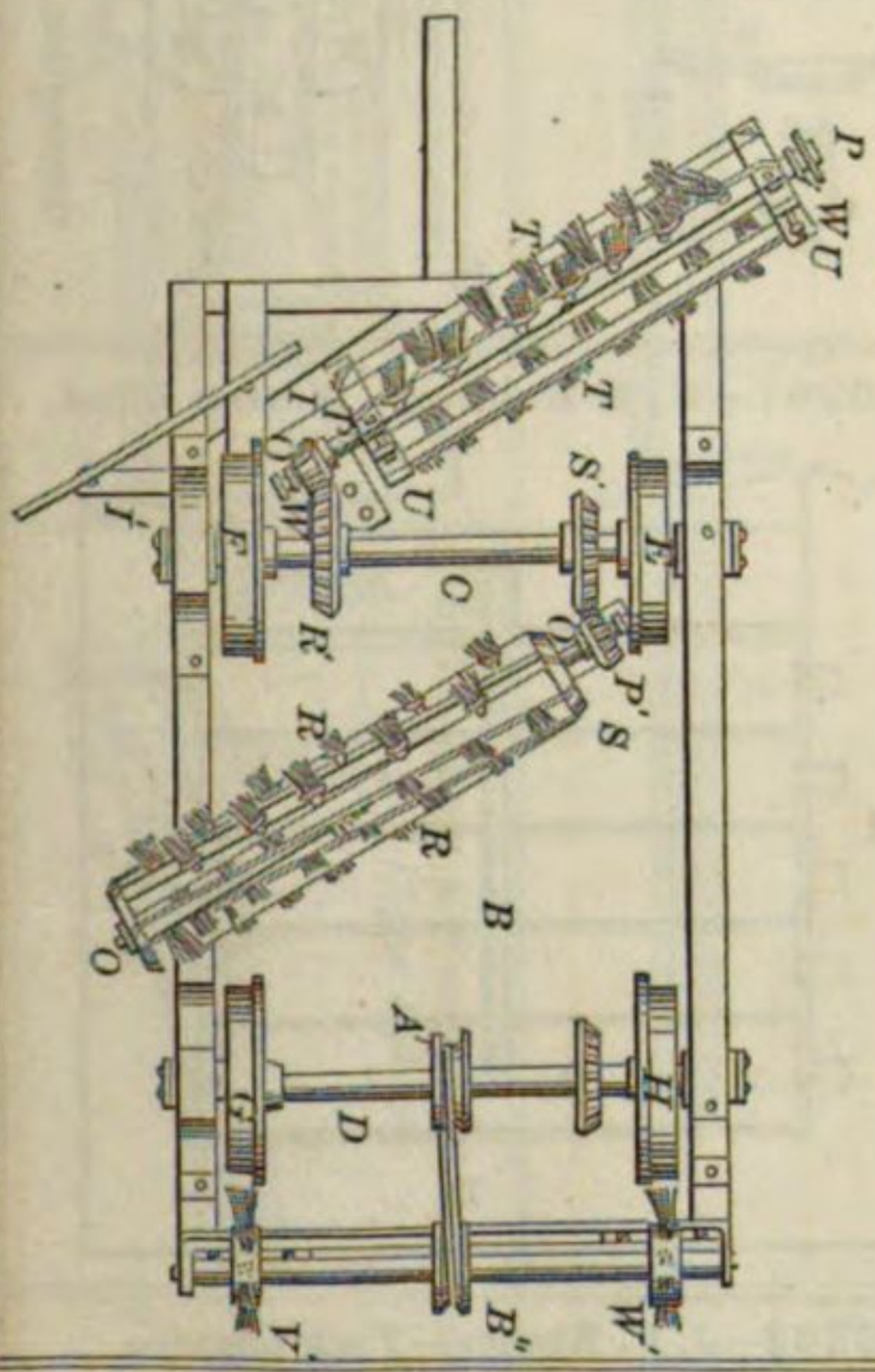


56257—Z. Parkhurst—*Burr Box.*

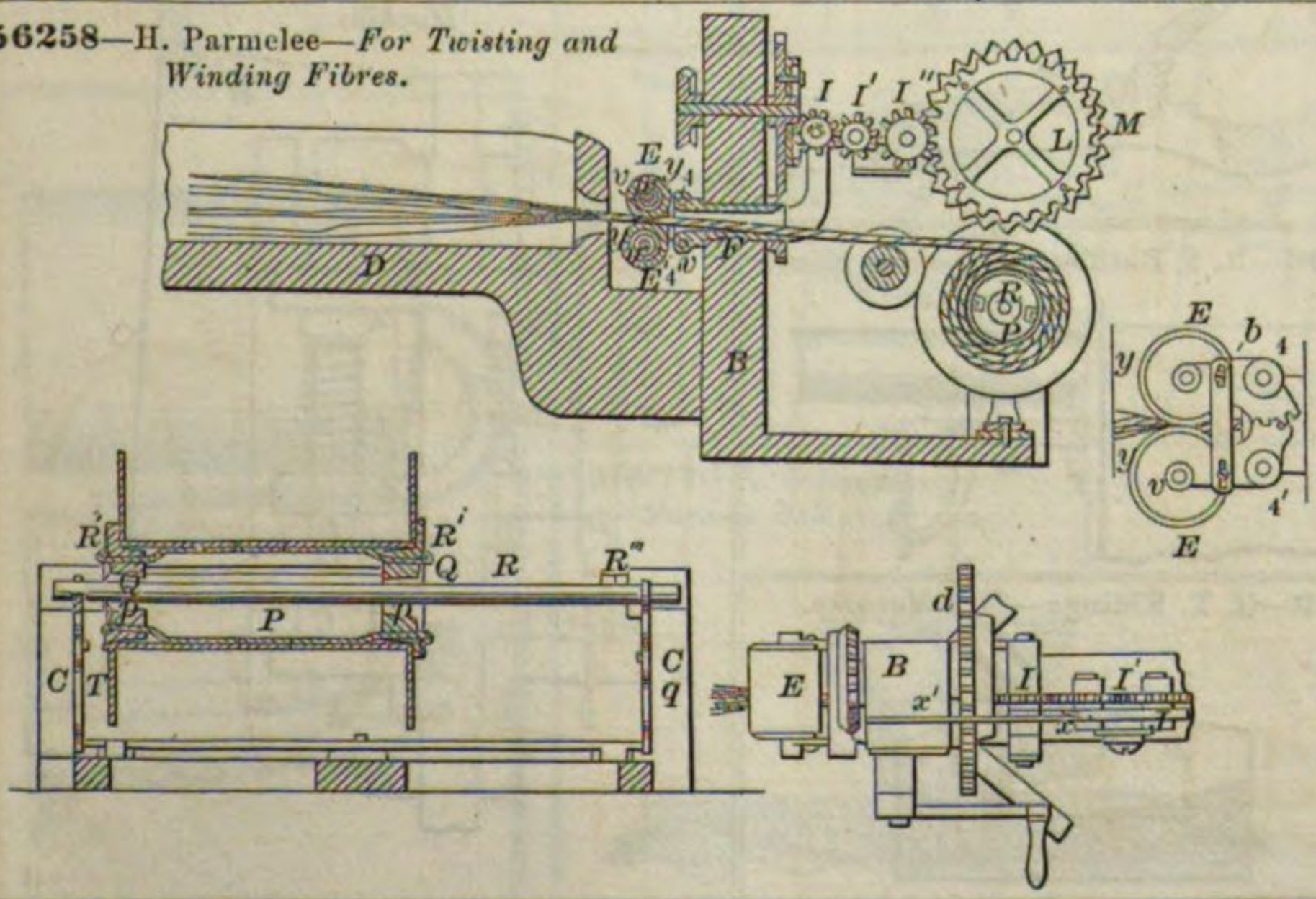


56256—E. A. F. Olmstead—*Railroad Sweeper.*

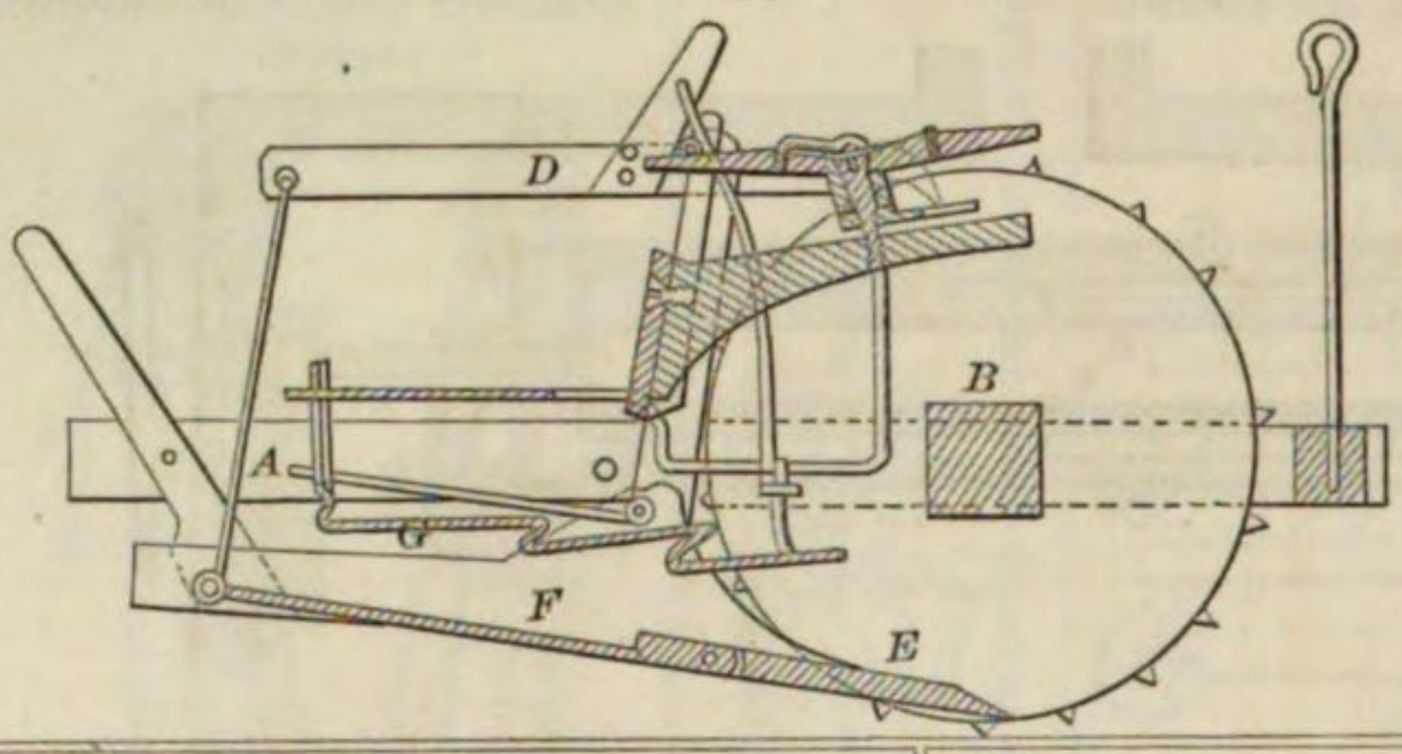




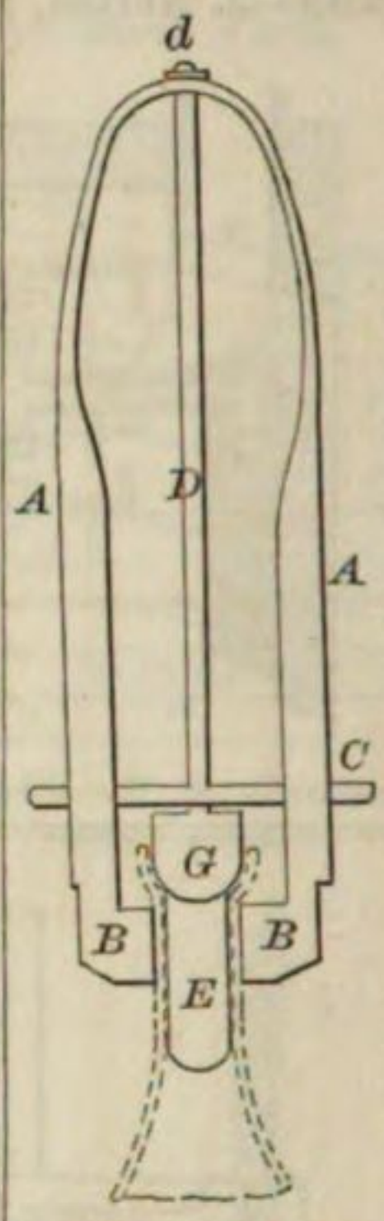
56258—H. Parmelee—*For Twisting and Winding Fibres.*



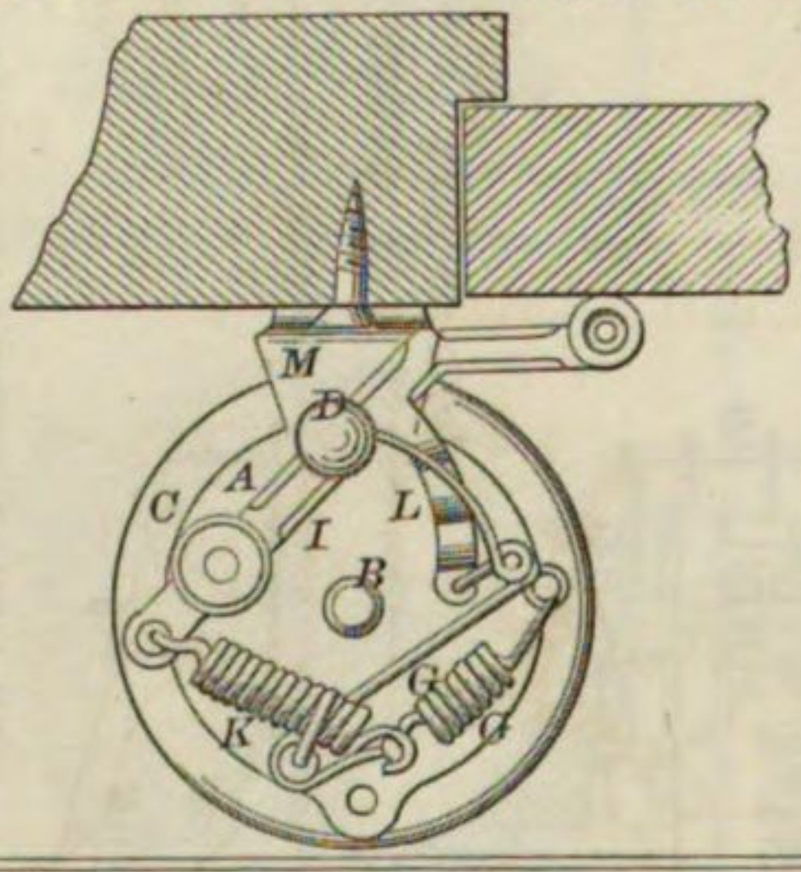
56260—H. M. Peavey—*Potato Digging Machine.*



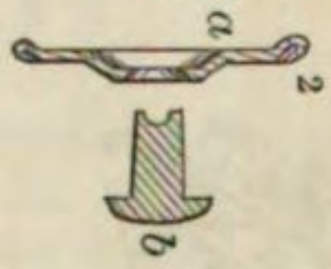
56263—W. Pountney—*Manufacture of Cruet Bottles.*



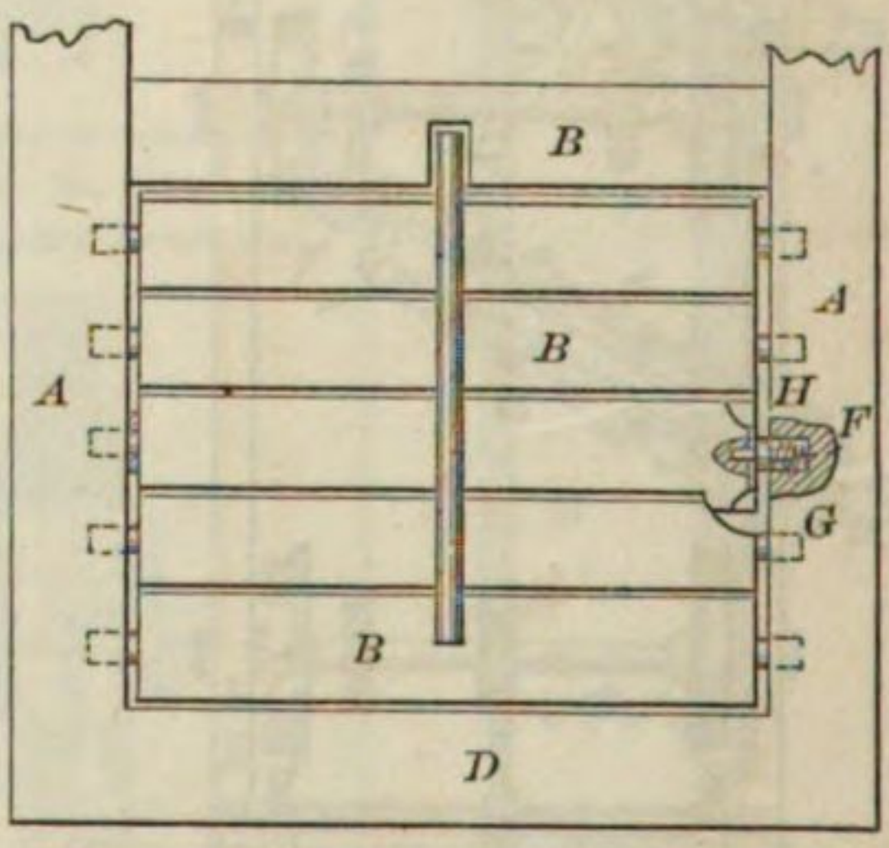
56262—H. H. Potter—*Burglar Alarm.*



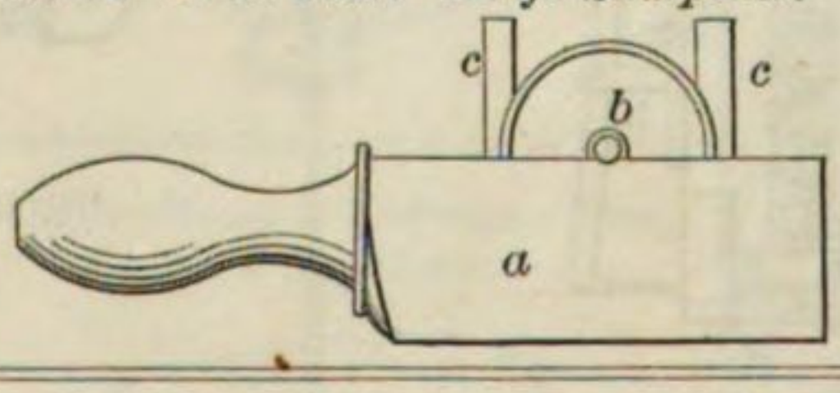
56261—C. M. Platt—*Button.*



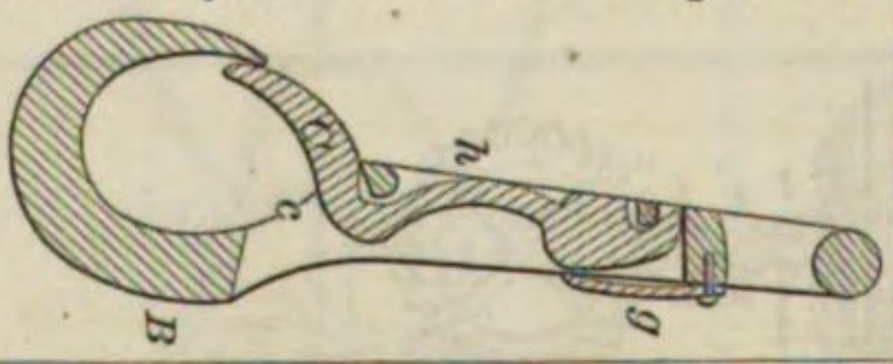
56267—W. F. Redding—*Window Blind.*



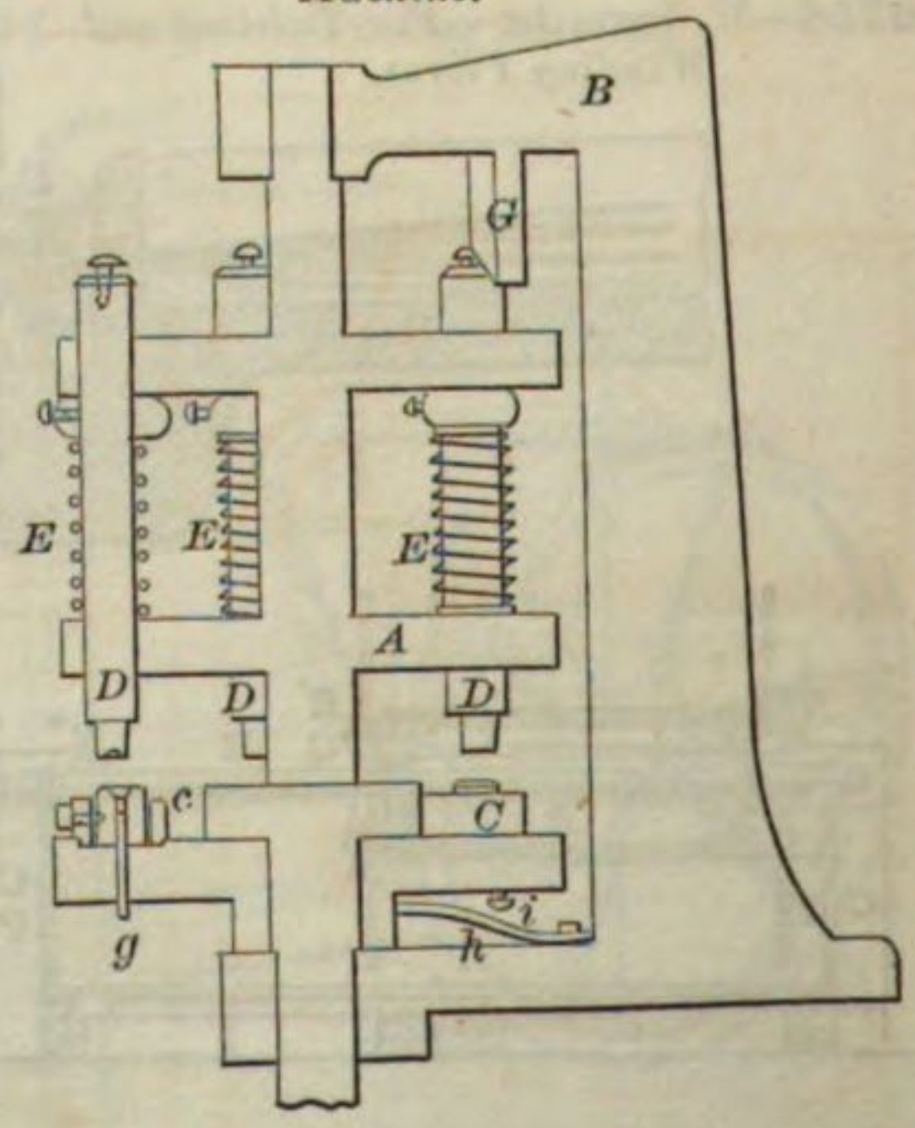
56264—J. B. Pratt—*Knife Sharpener.*



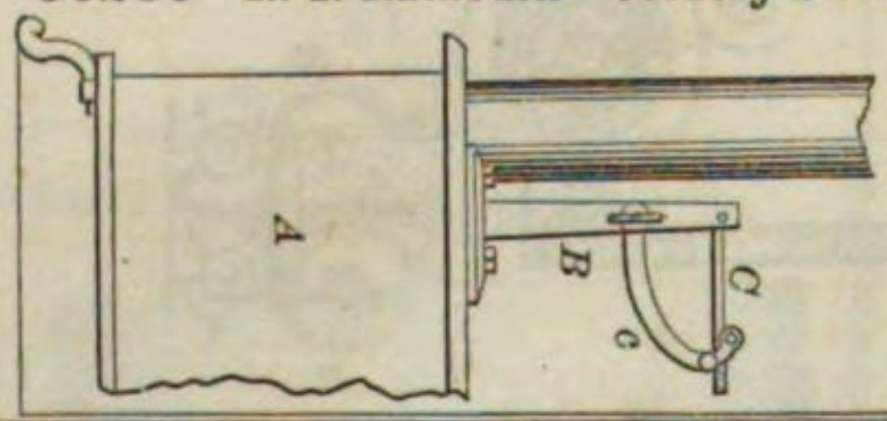
56265—Quinn & Summers—*Snap Hook.*



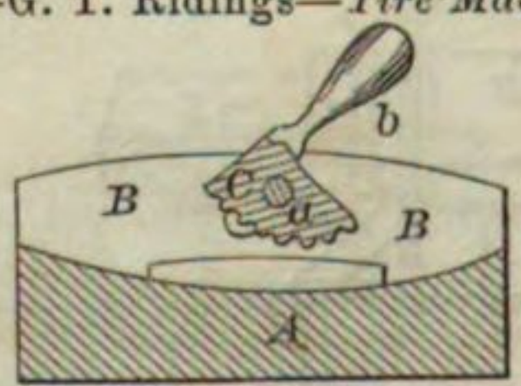
56268—J. C. Rhodes—*Tack Capping Machine.*



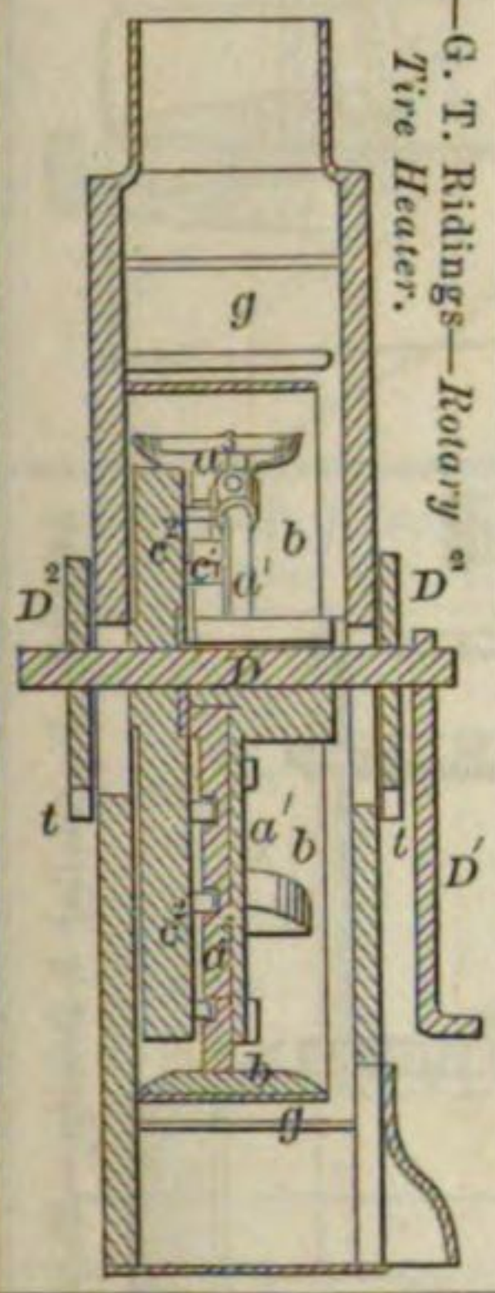
56266—R. I. Rathburn—*Cooking Stove.*



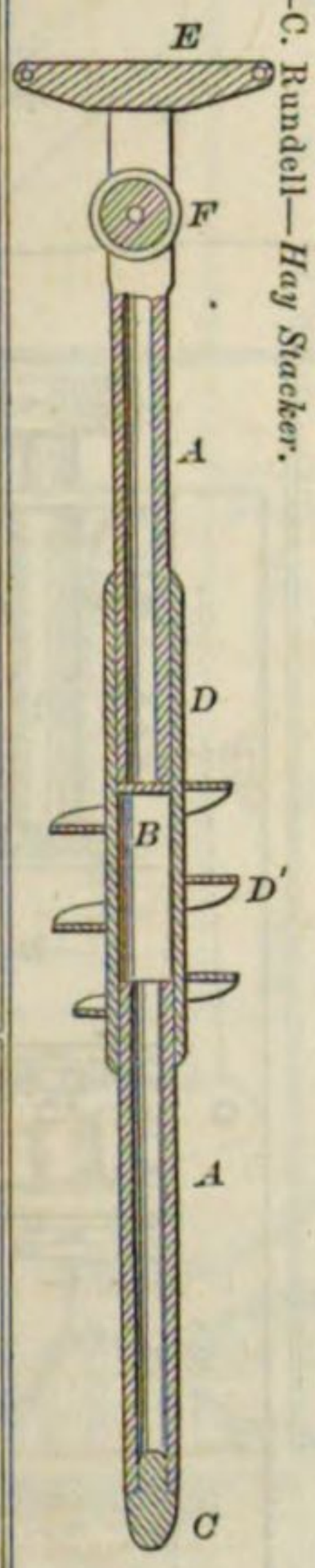
56269—G. T. Ridings—*Tire Machine.*



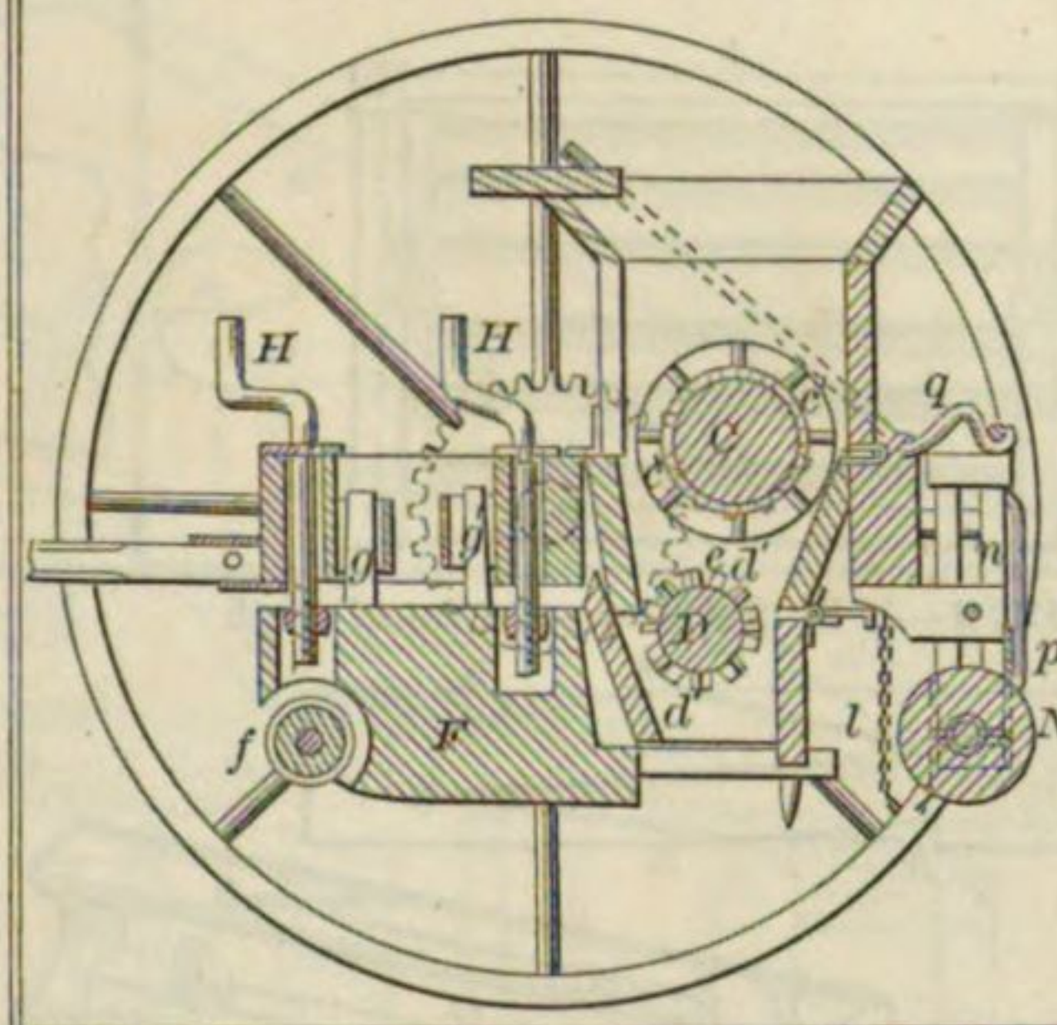
56270—G. T. Ridings—*Rotary Tire Heater.*



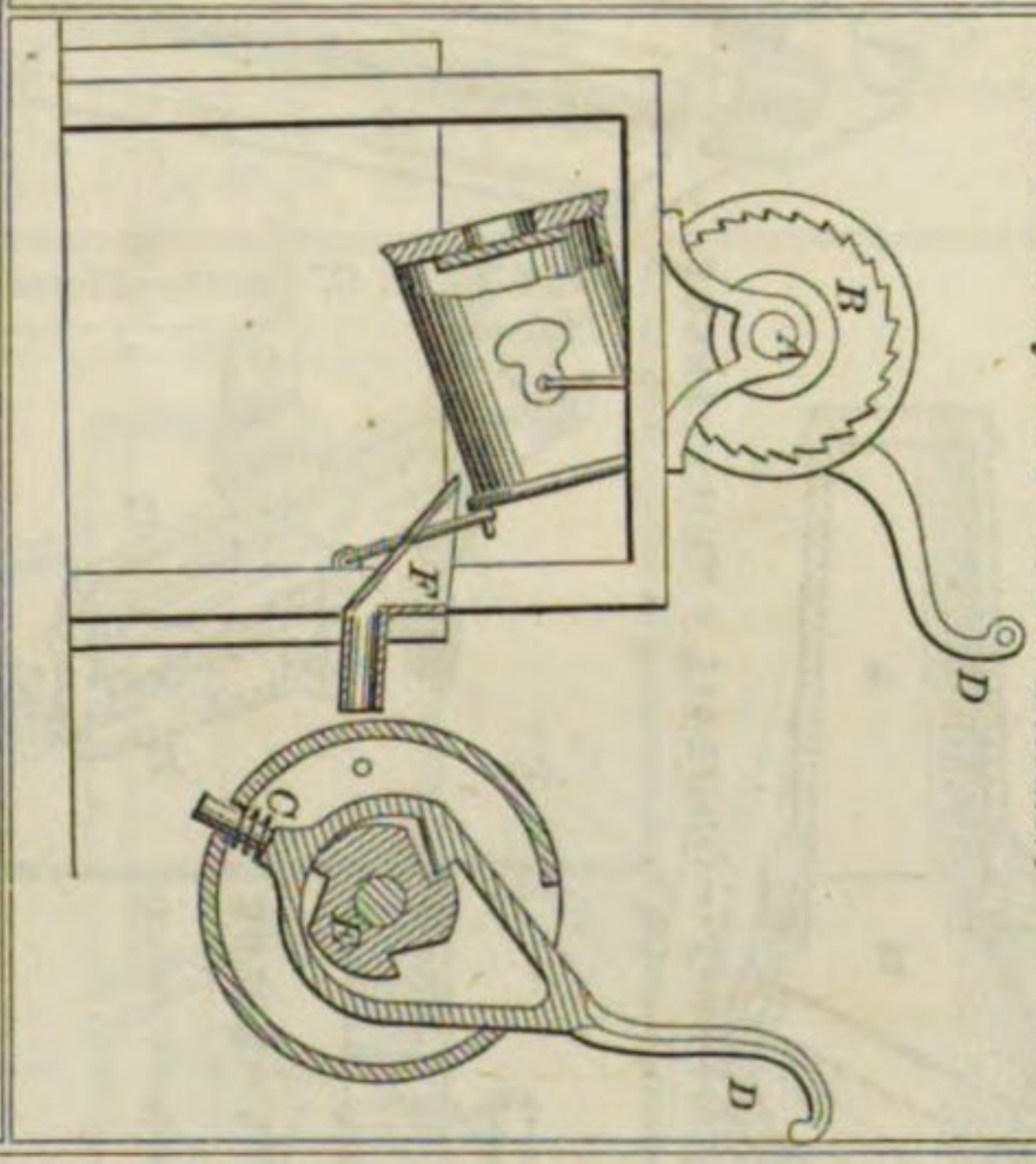
56273—C. Rundell—*Hay Stacker.*



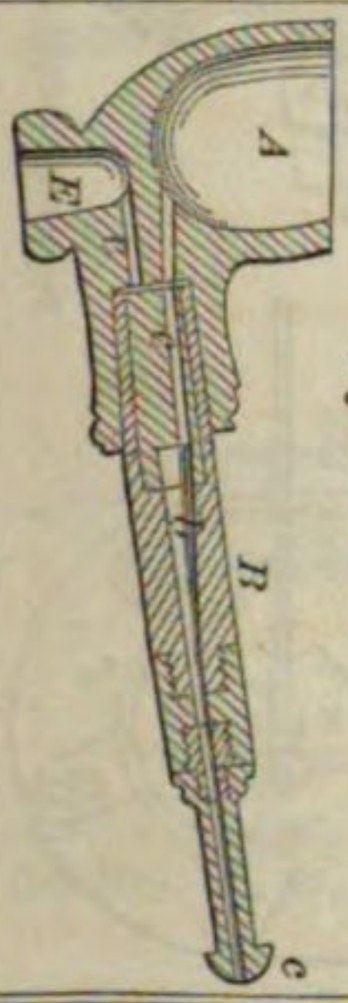
56274—J. L. Russell—*Cotton Seed Planter.*



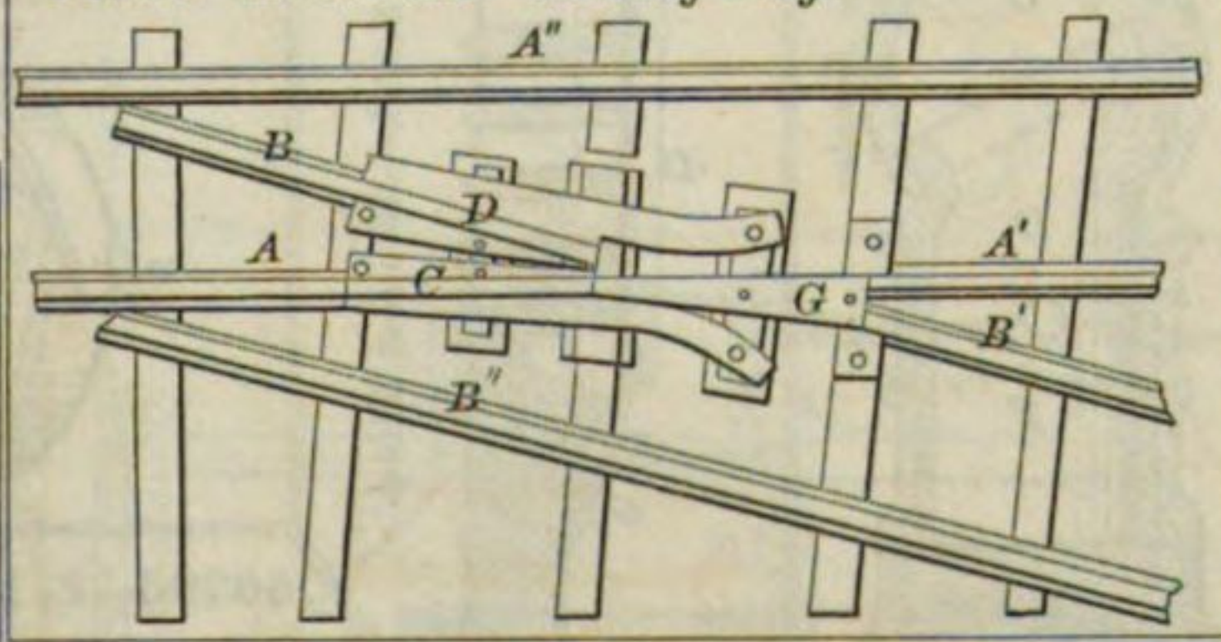
56275—J. Rymond—*Water Elevator.*



56272—Ross & West—*Tobacco Pipe and Cigar Holder.*



56271—A. Robbins—*Railway Frog.*



56276—Sangster & Spencer—*Distilling Petroleum.*

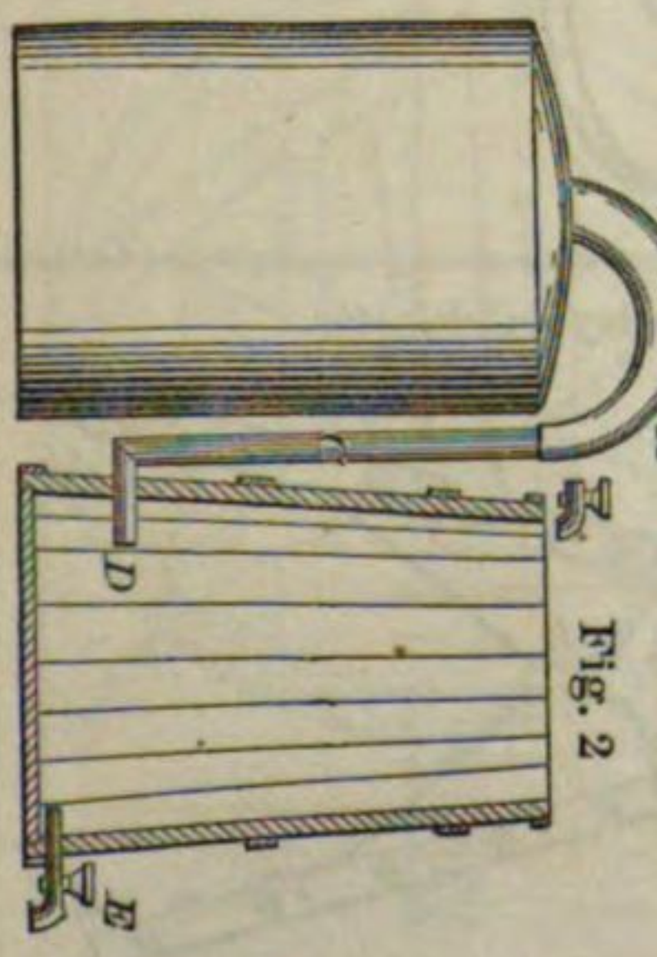
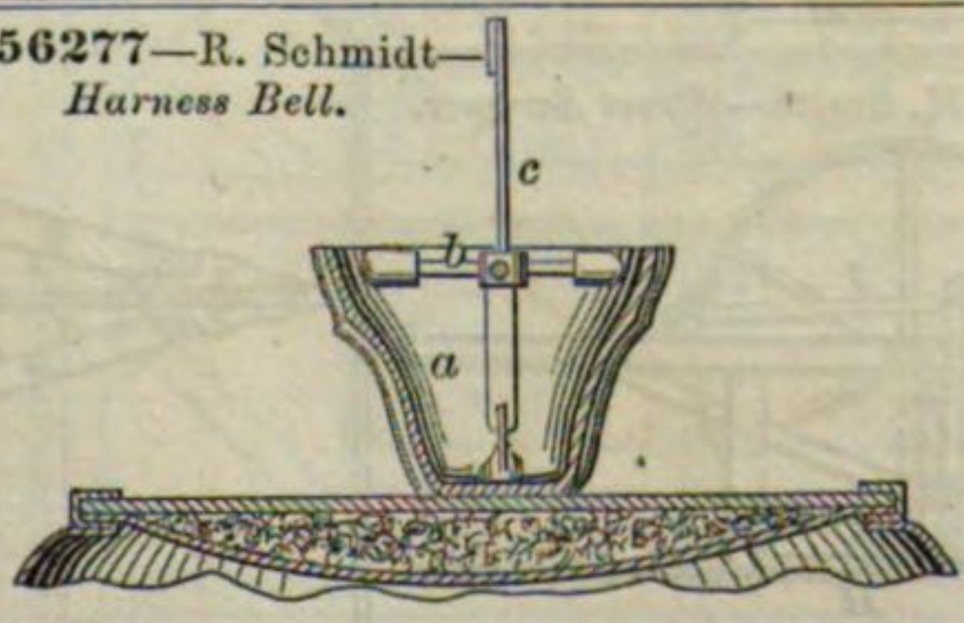
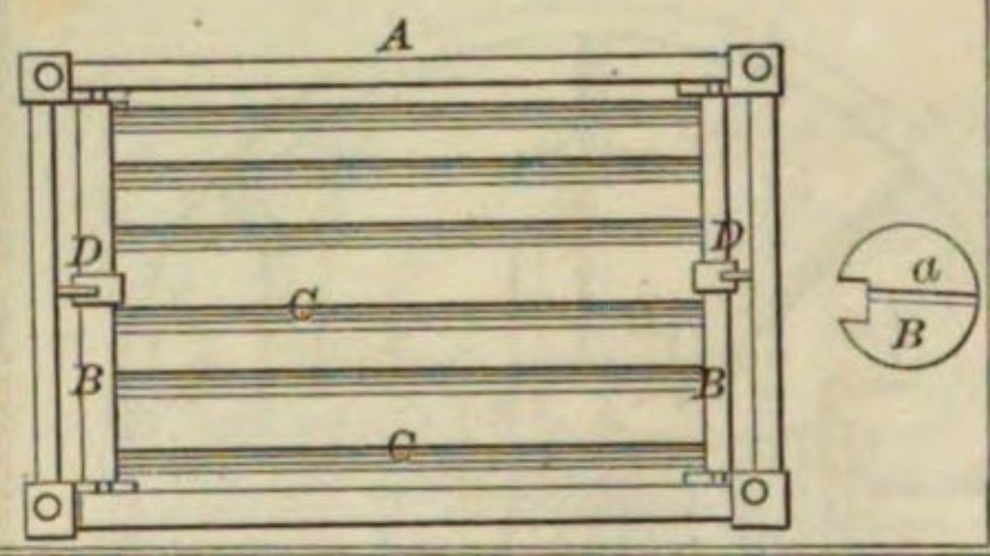


Fig. 2

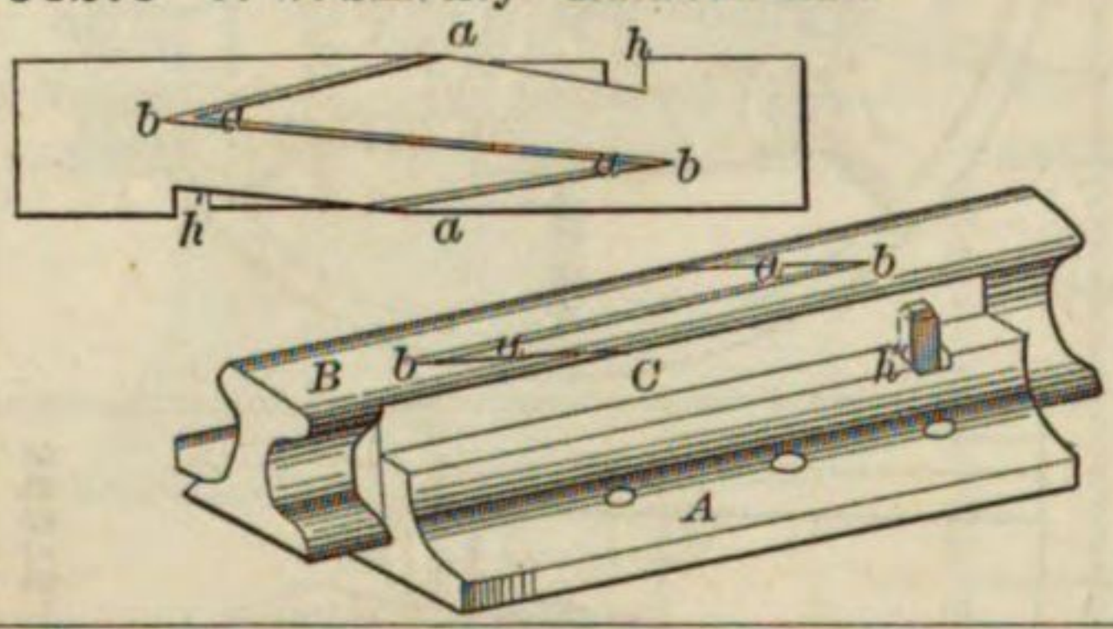
56277—R. Schmidt—*Harness Bell.*



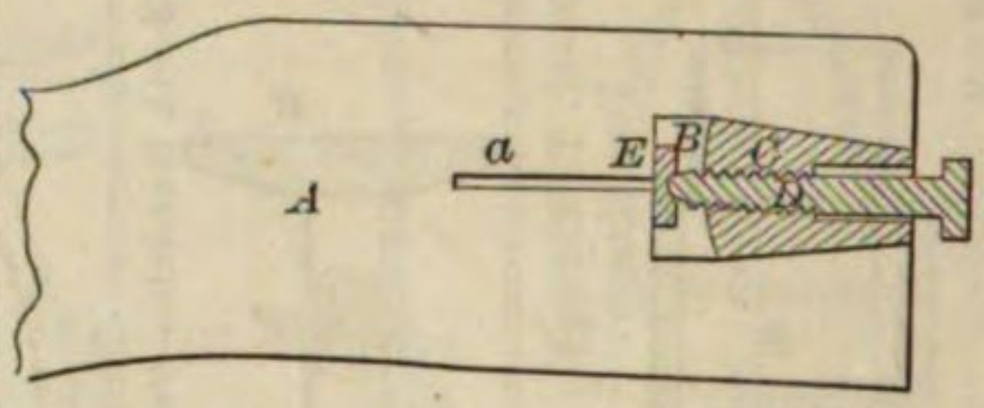
56278—H. G. Seekins—*Bed Bottom.*



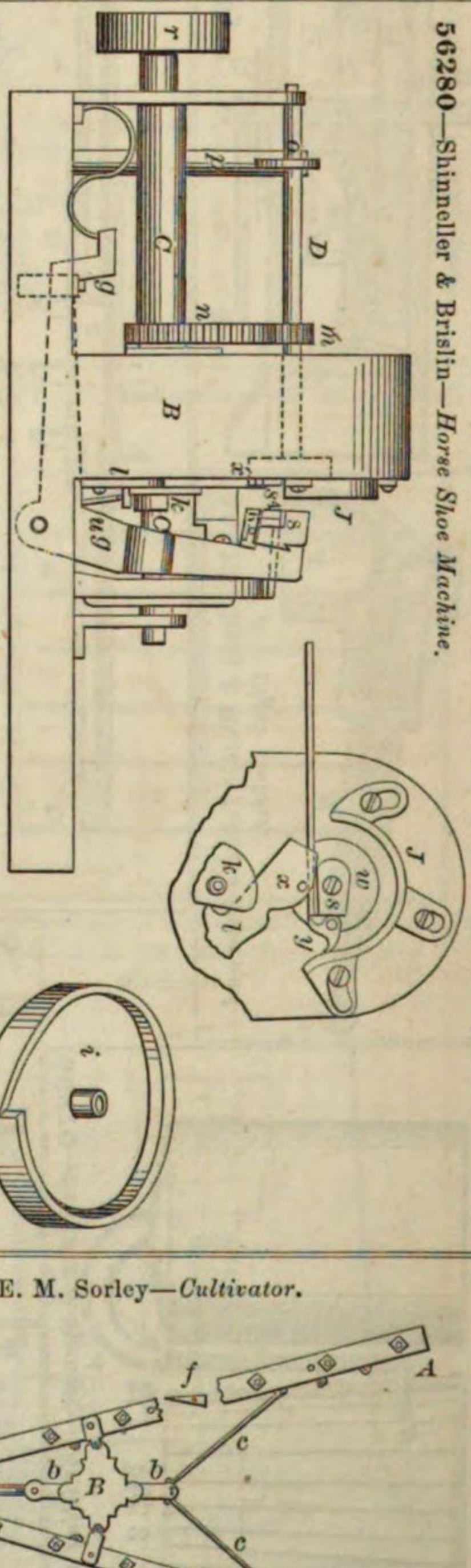
56279—J. W. Shiveley—*Railroad Rail.*



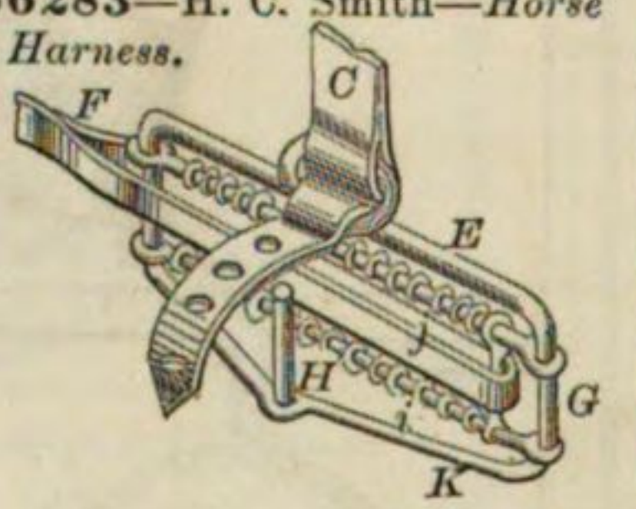
56281—G. W. Simonds—*Securing Axes on Handles.*



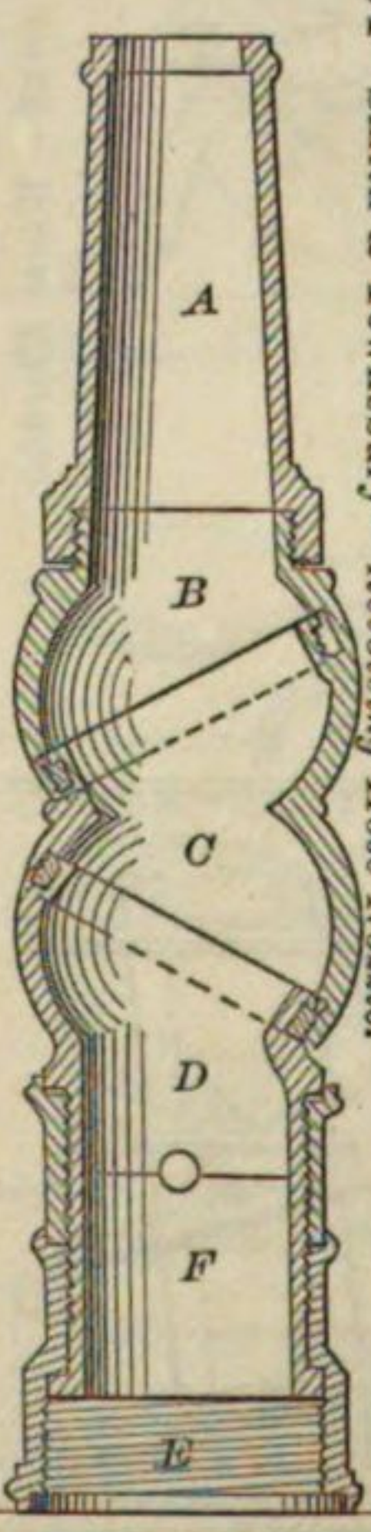
56280—Shinneller & Brislin—*Horse Shoe Machine.*



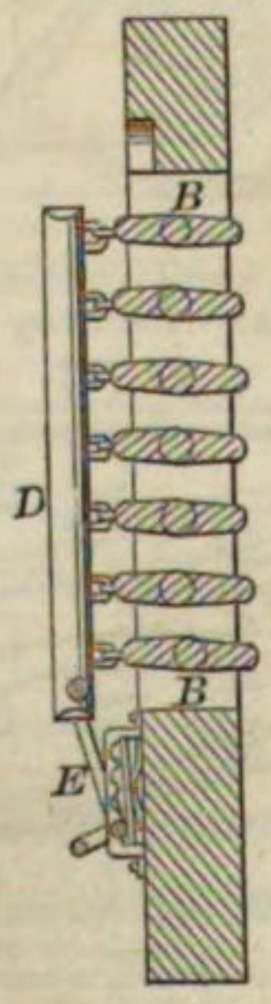
56283—H. C. Smith—*Horse Harness.*



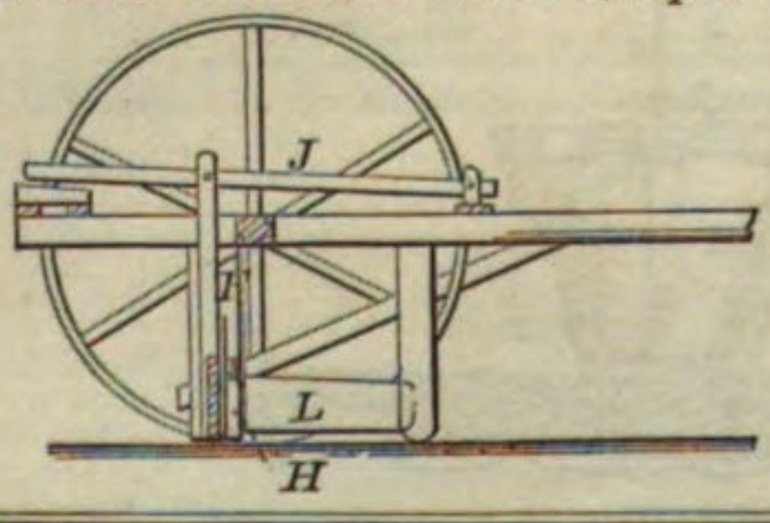
56284—Smith & Tewksbury—*Revolving Hose Nozzle.*



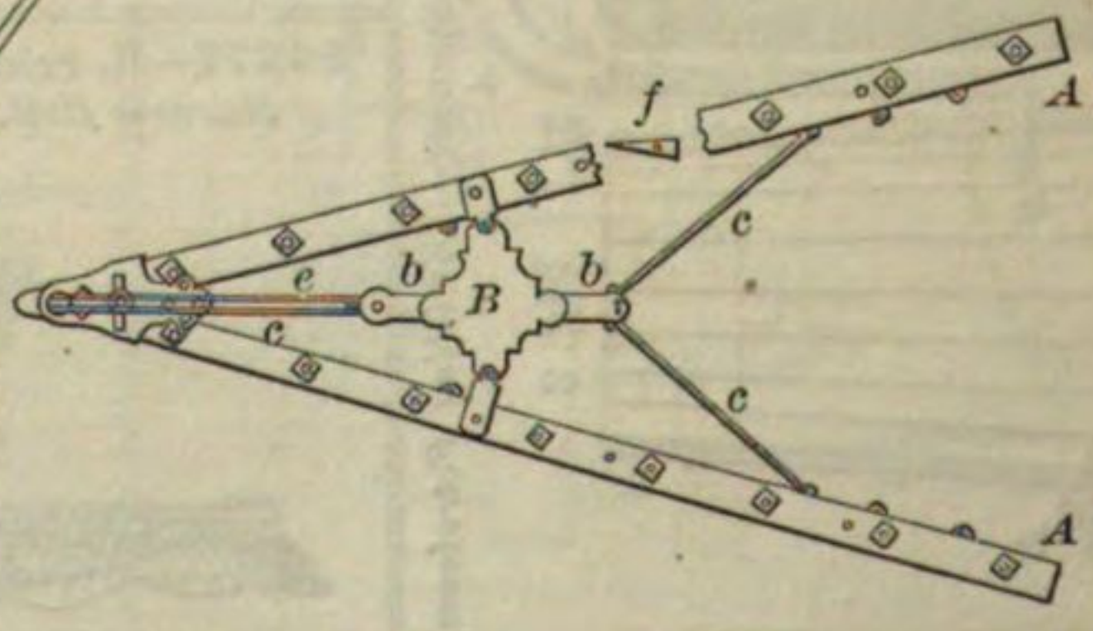
56282—A. P. Smith—*Window Blind.*



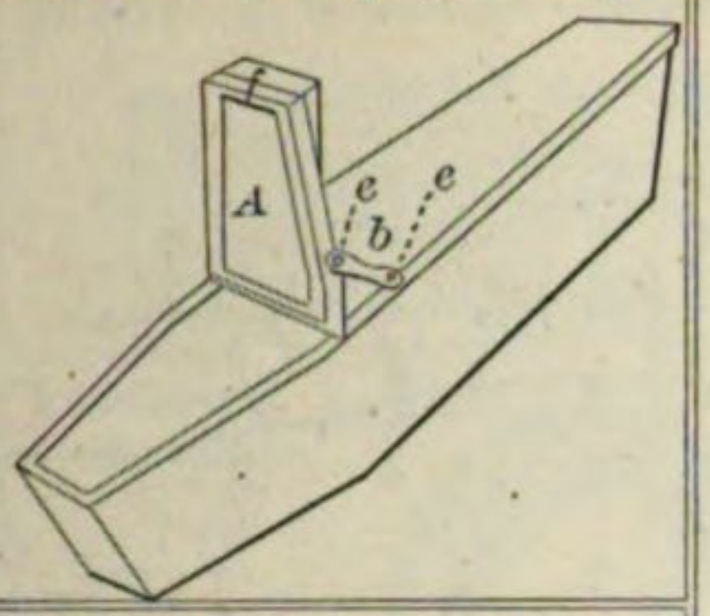
56285—M. Smith—*Street Scraper.*



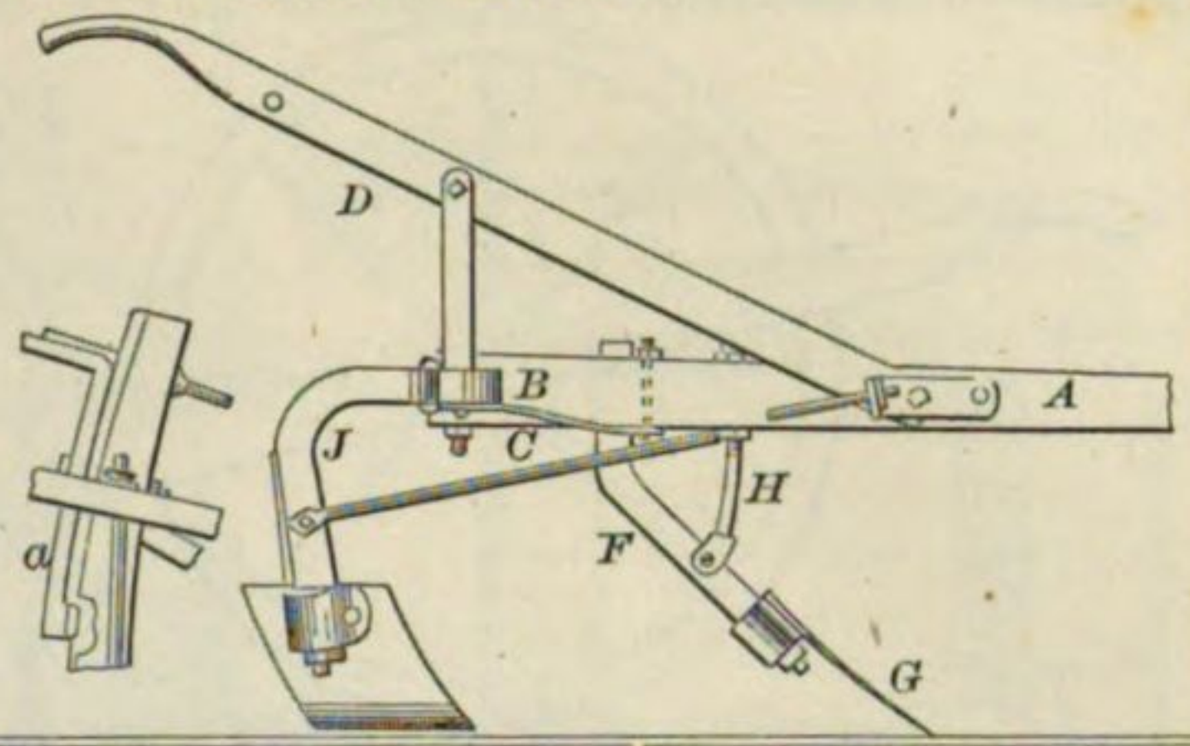
56286—E. M. Sorley—*Cultivator.*



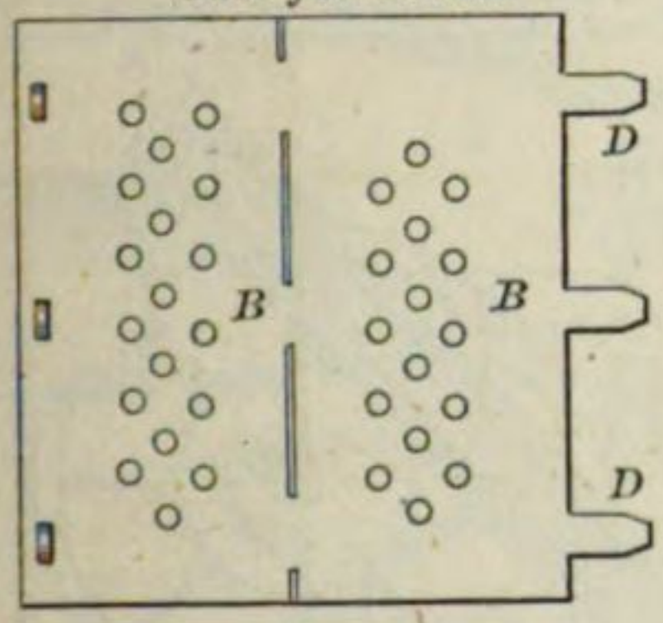
56287—H. D. Sprague—*Coffin.*



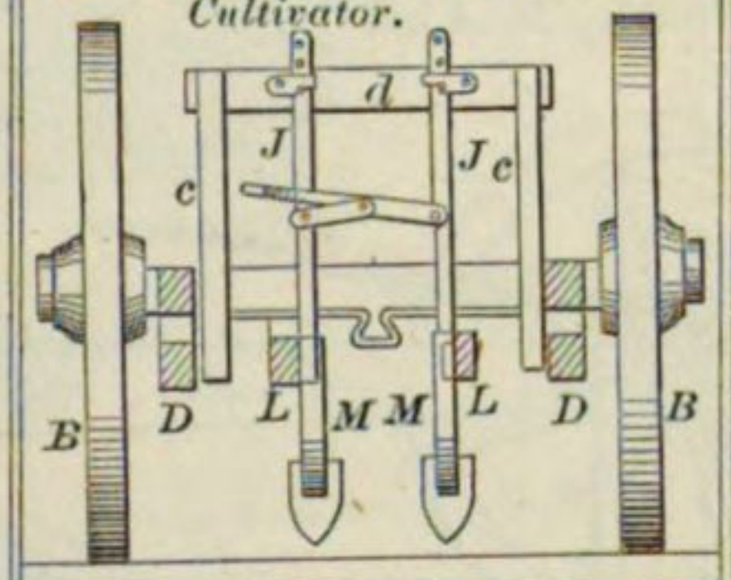
56288—E. Starr—*Cultivator.*



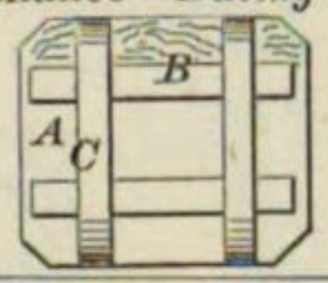
56290—P. L. Suine—*Package Case for Plants.*



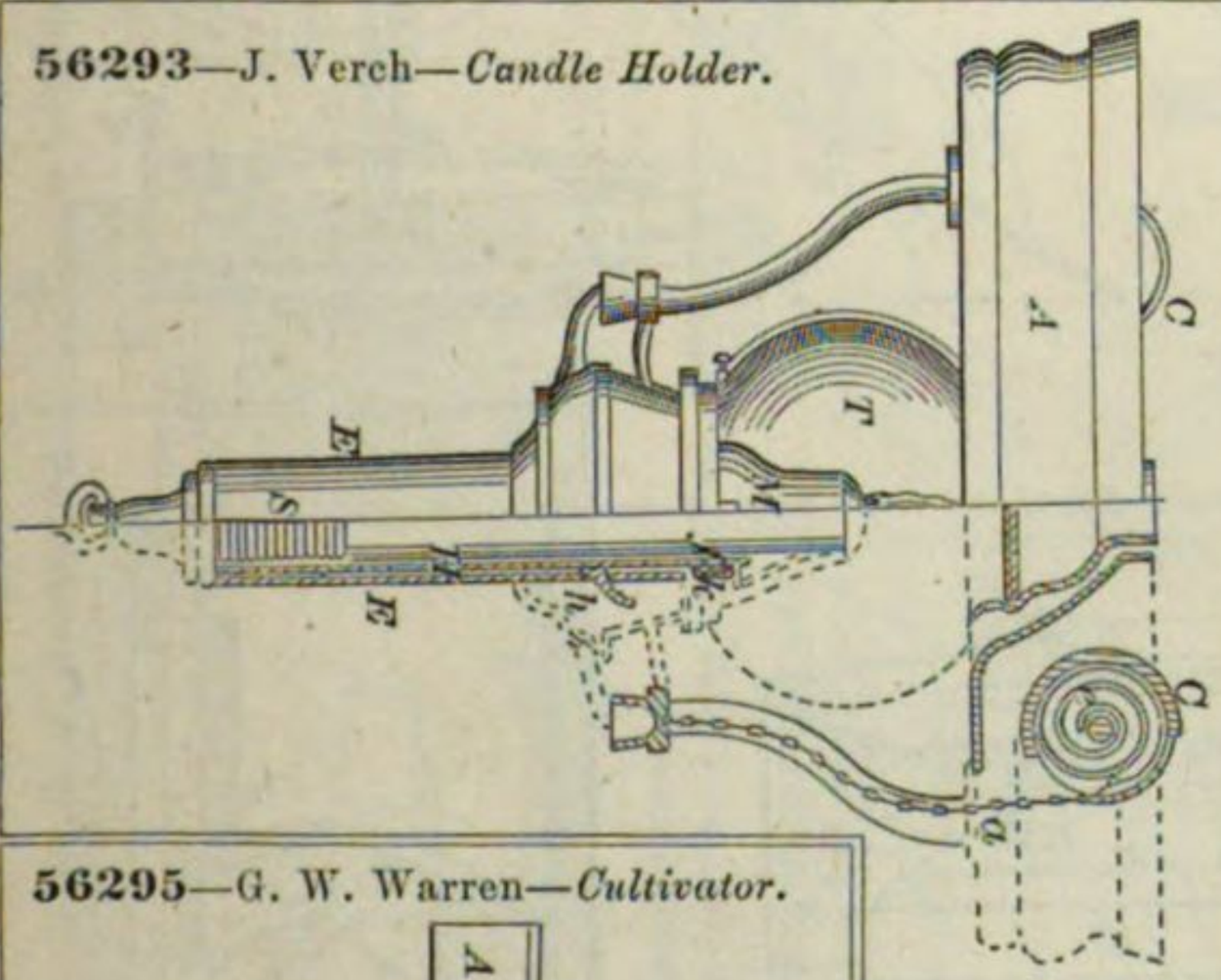
56289—D. C. Stover—*Cultivator.*



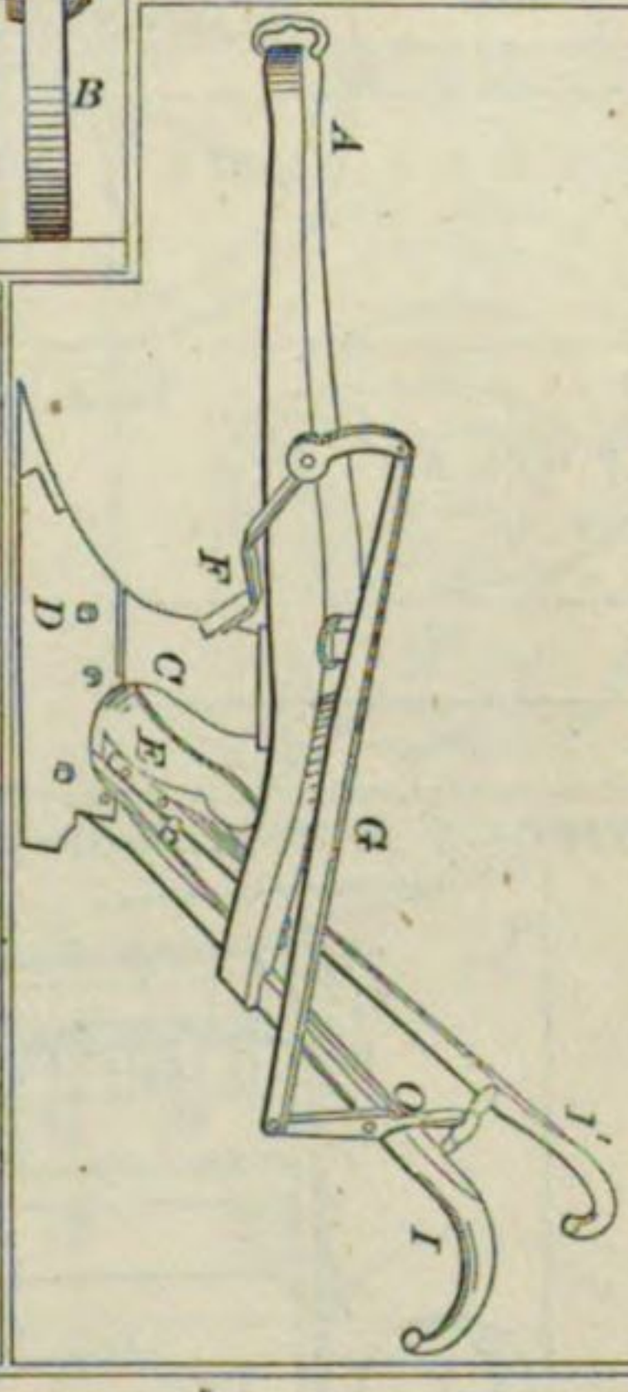
56294—Wakeman & Ballance—*Baling Hay*



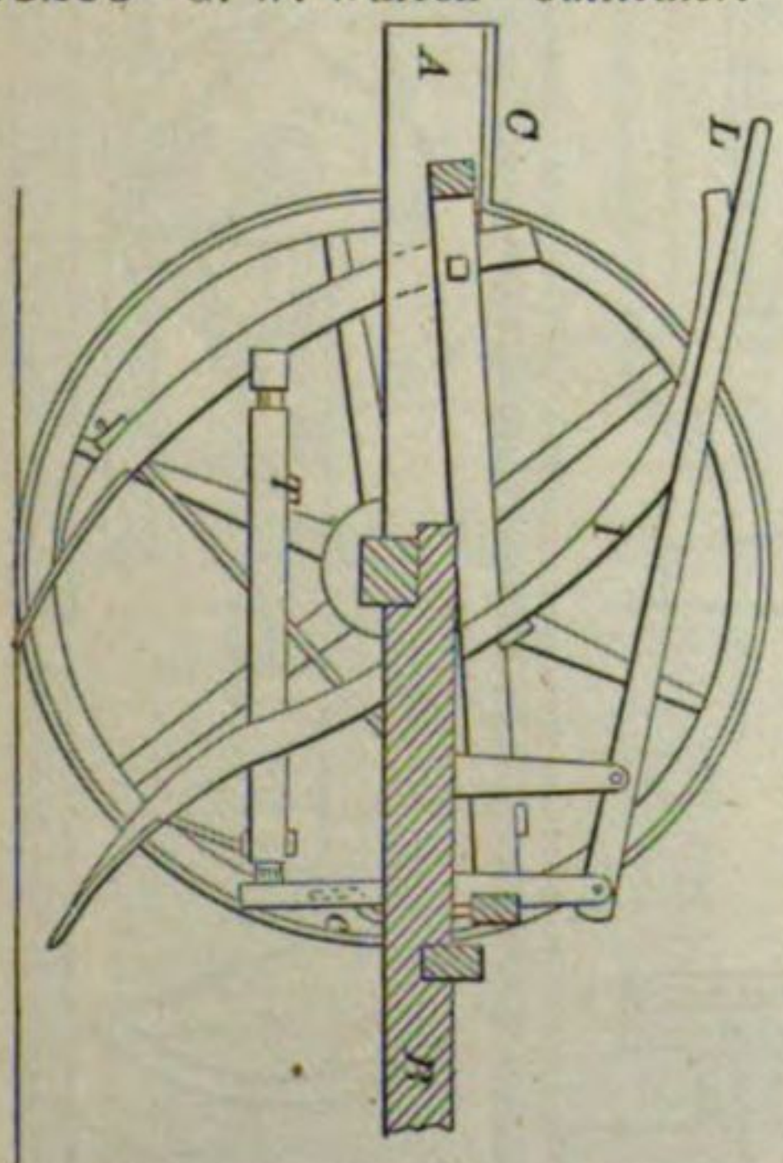
56293—J. Verch—*Candle Holder.*



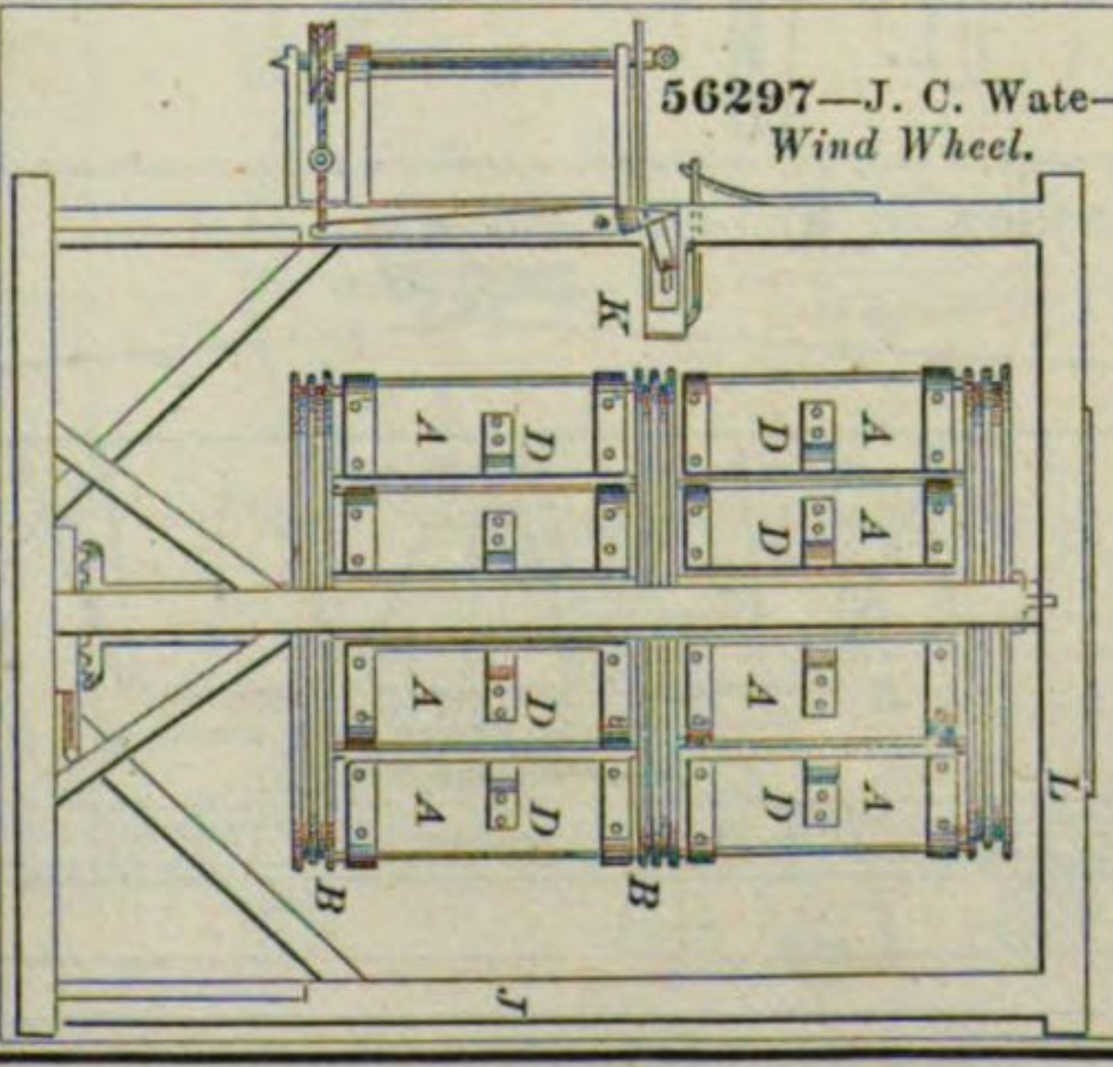
56296—O. F. Warren—*Plow Cleaner.*



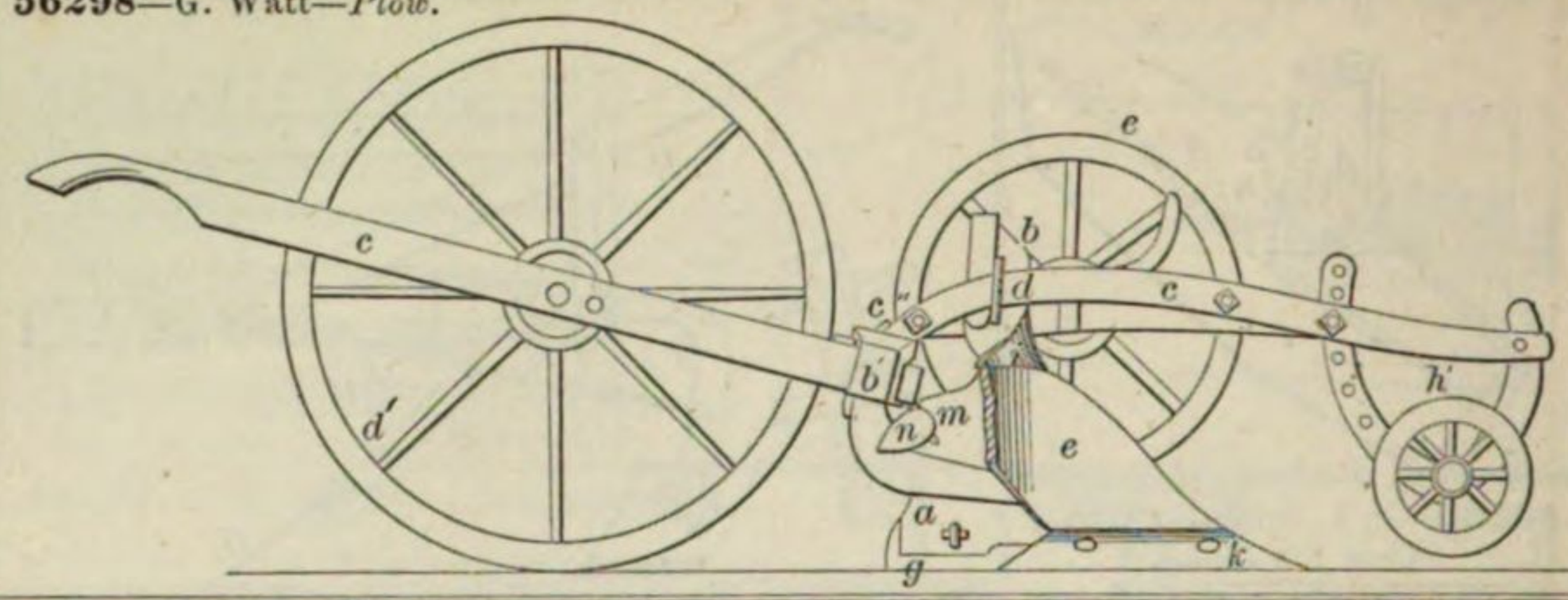
56295—G. W. Warren—*Cultivator.*



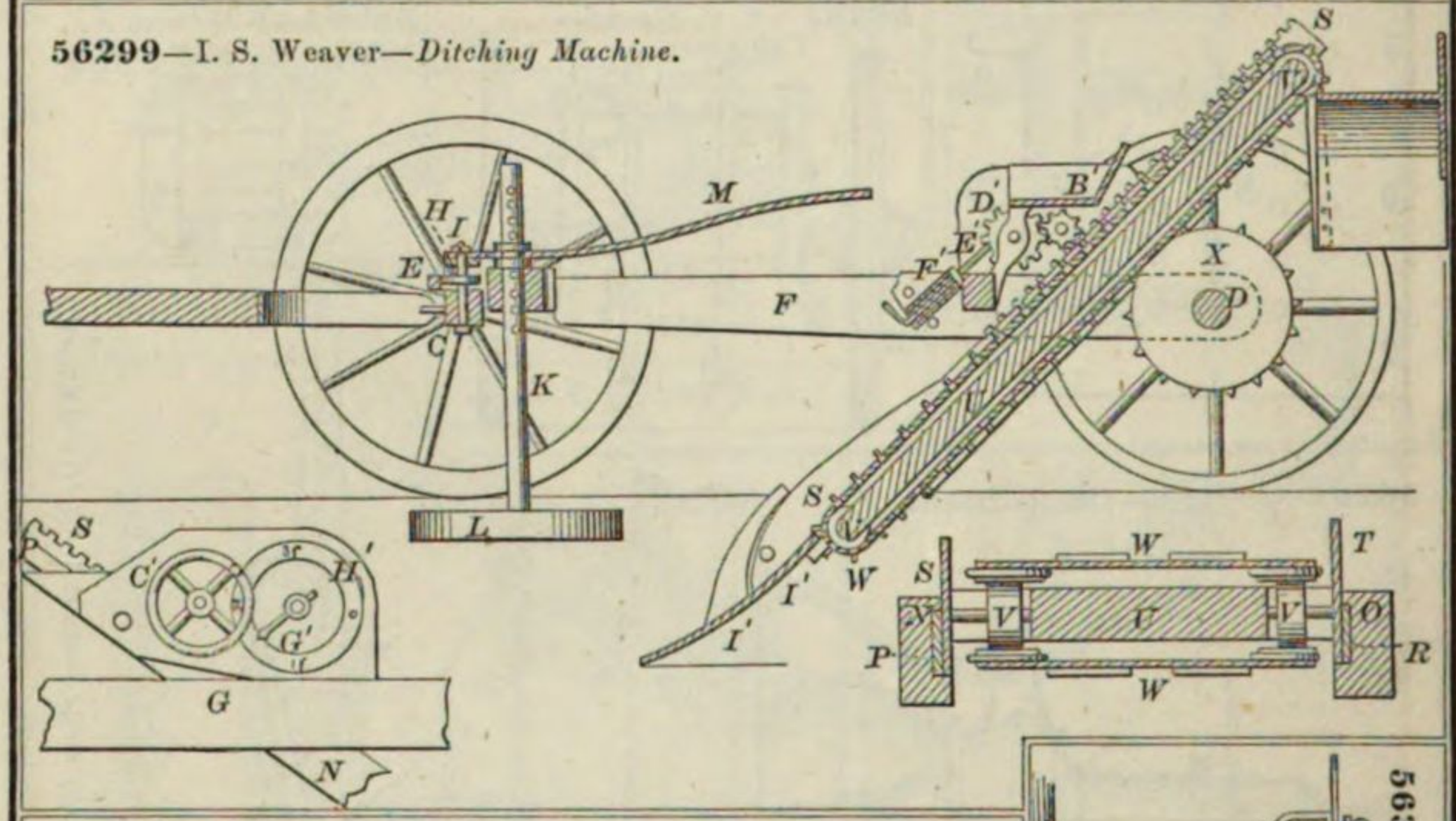
56297—J. C. Wate—*Wind Wheel.*



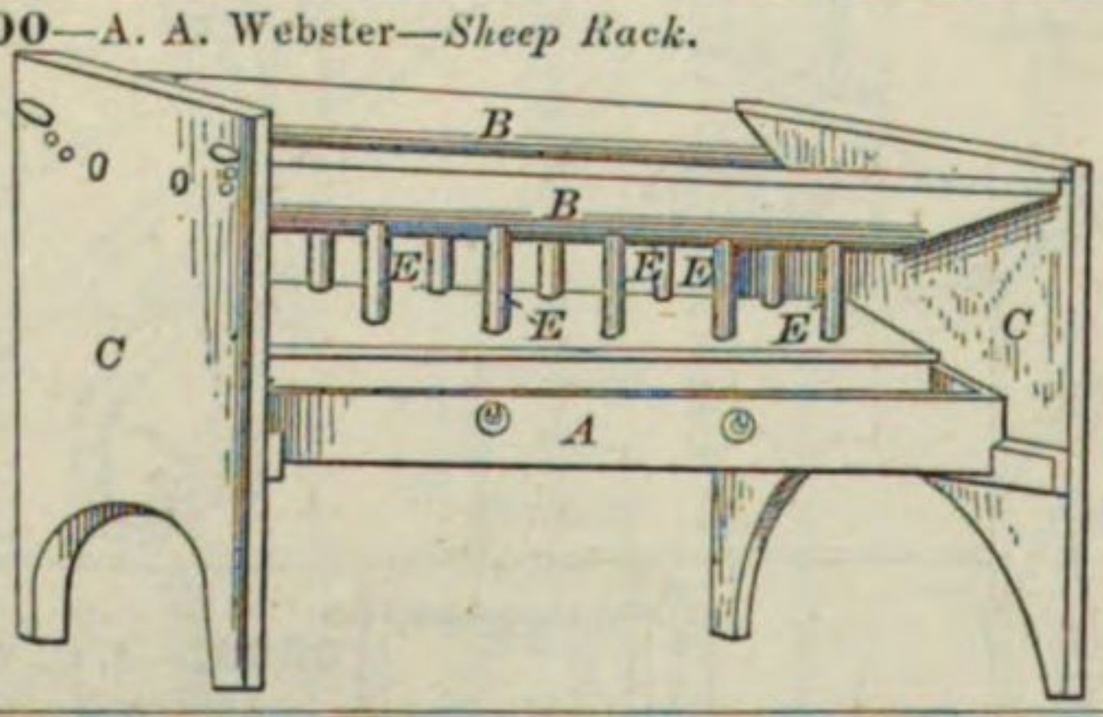
56298—G. Watt—*Plow.*



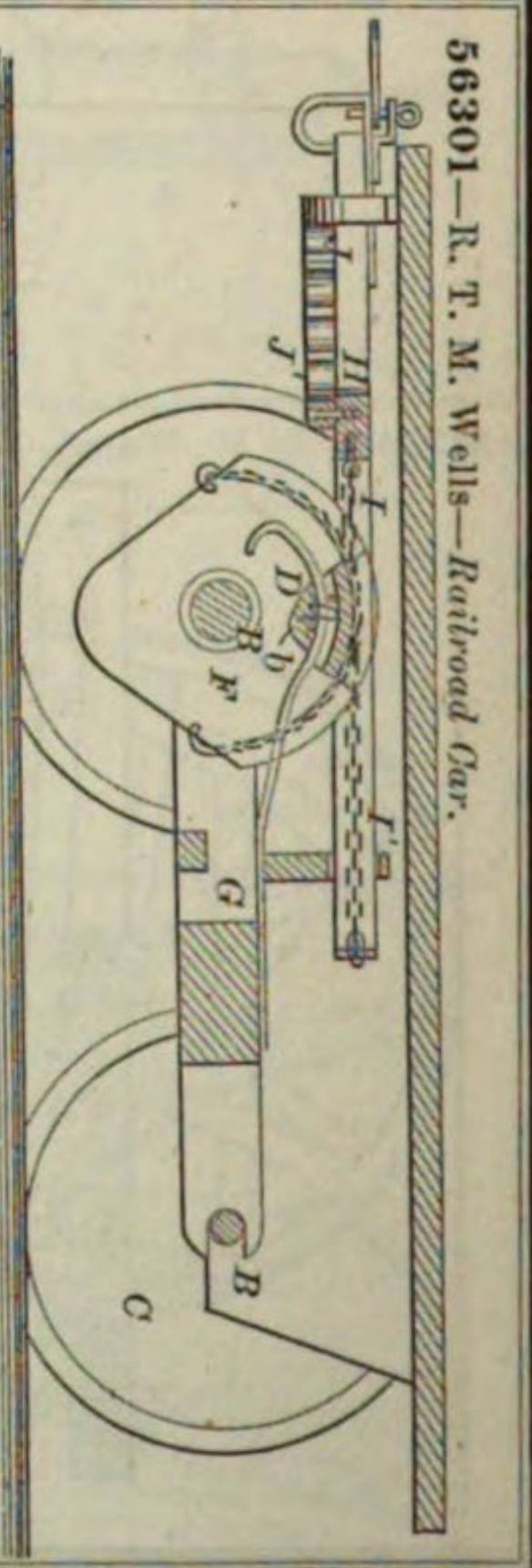
56299—I. S. Weaver—*Ditching Machine.*



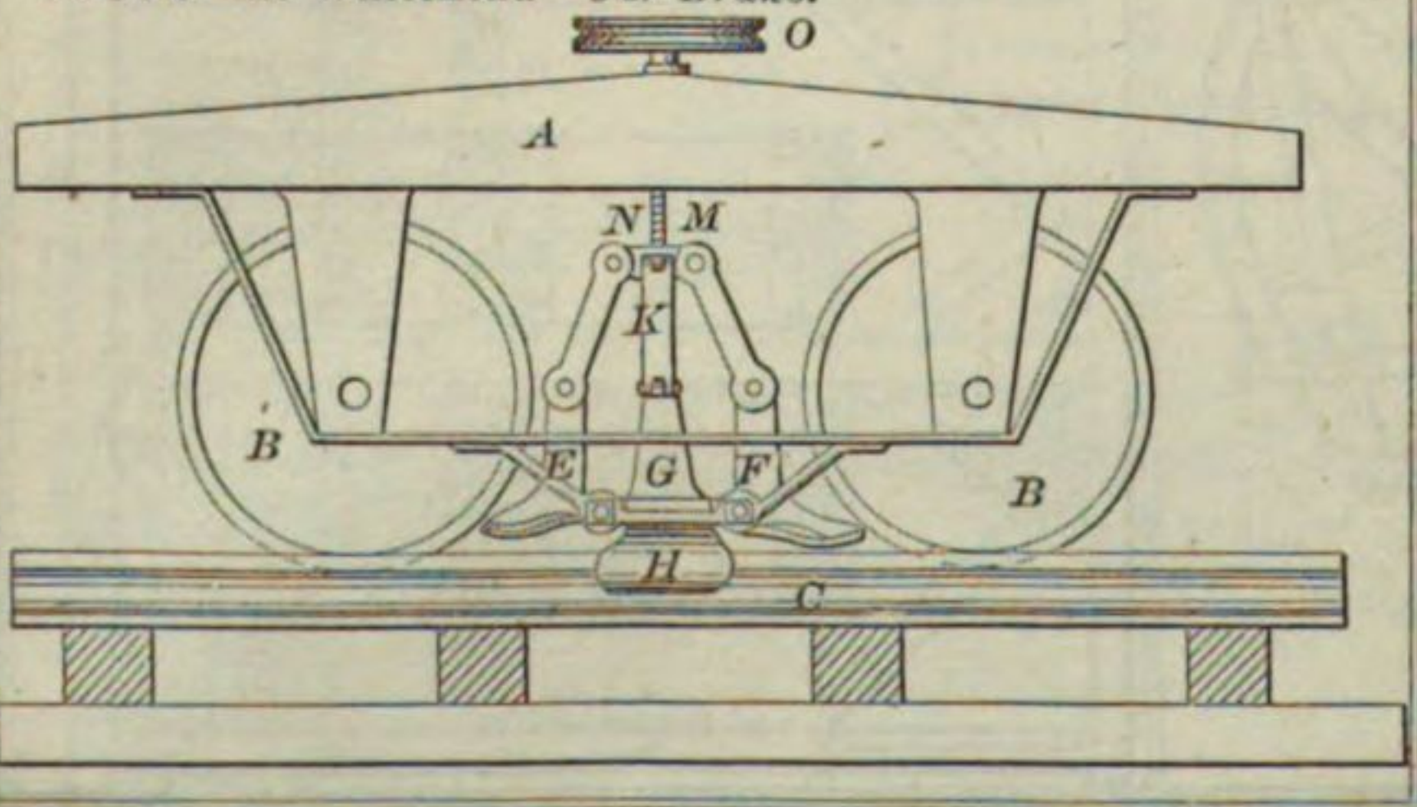
56300—A. A. Webster—*Sheep Rack.*



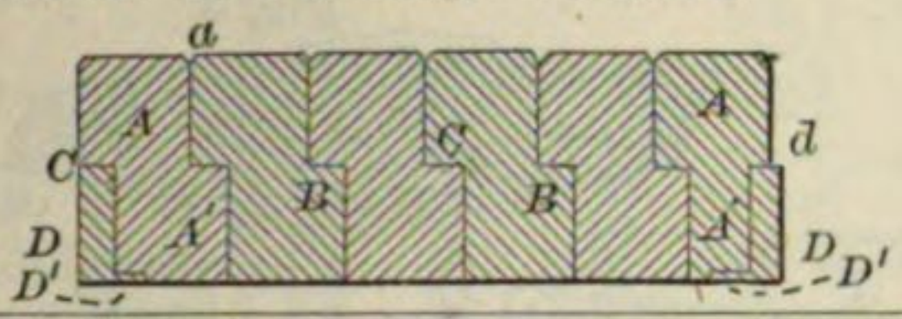
56301—R. T. M. Wells—*Railroad Car.*



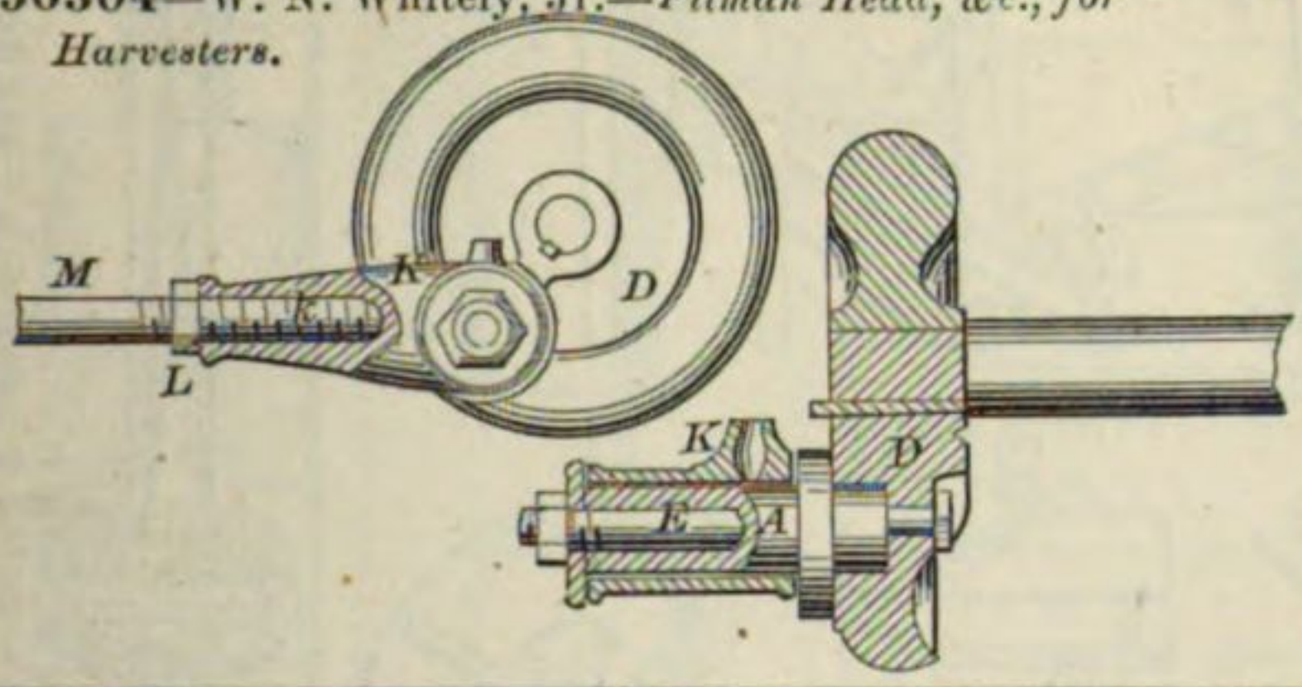
56302—E. Whitehead—*Car Brake.*



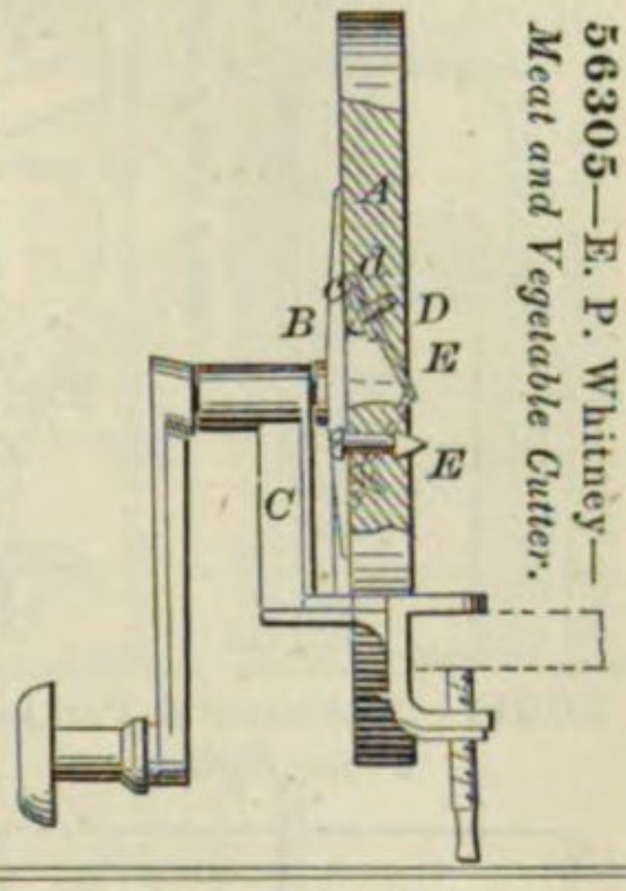
56303—E. Whitehead—*Pavement.*



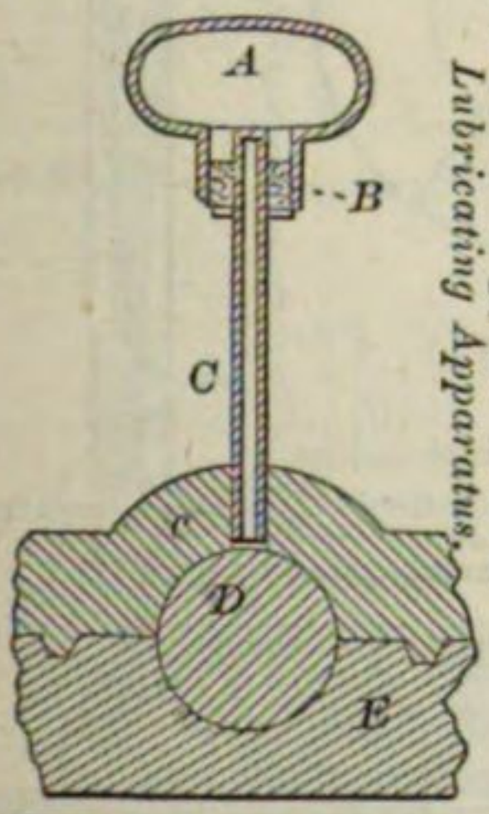
56304—W. N. Whitely, Jr.—*Pitman Head, &c., for Harvesters.*



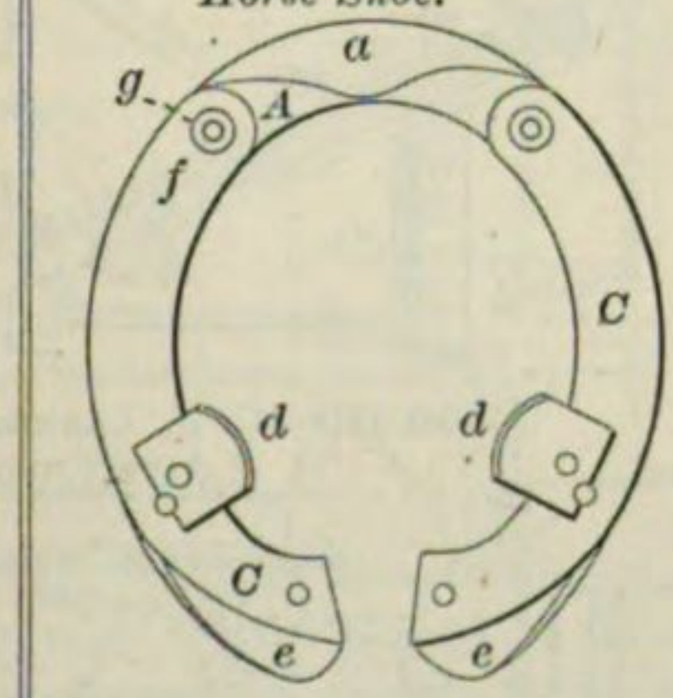
56305—E. P. Whitney—*Meat and Vegetable Cutter.*



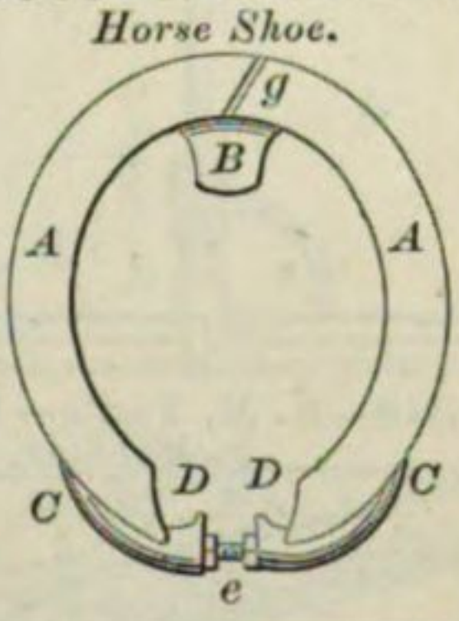
56306—Wiggin & Folsom—*Lubricating Apparatus.*



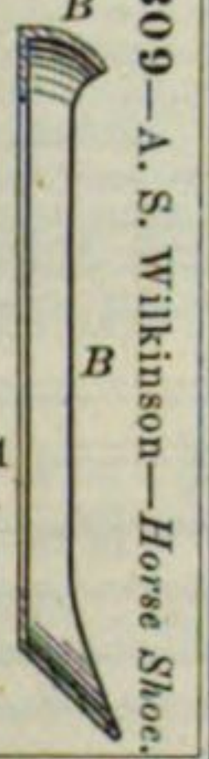
56307—A. S. Wilkinson—*Horse Shoe.*



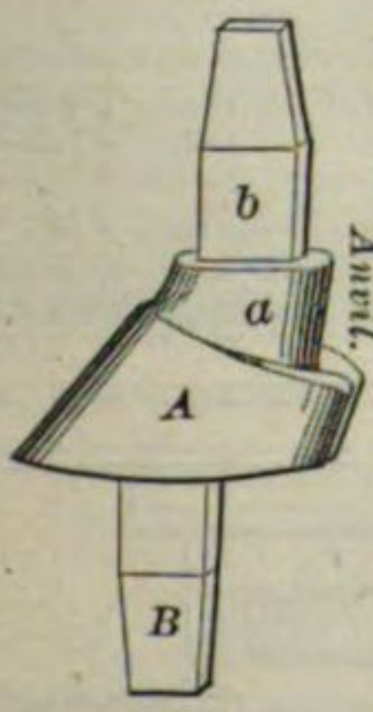
56308—A. S. Wilkinson—*Horse Shoe.*



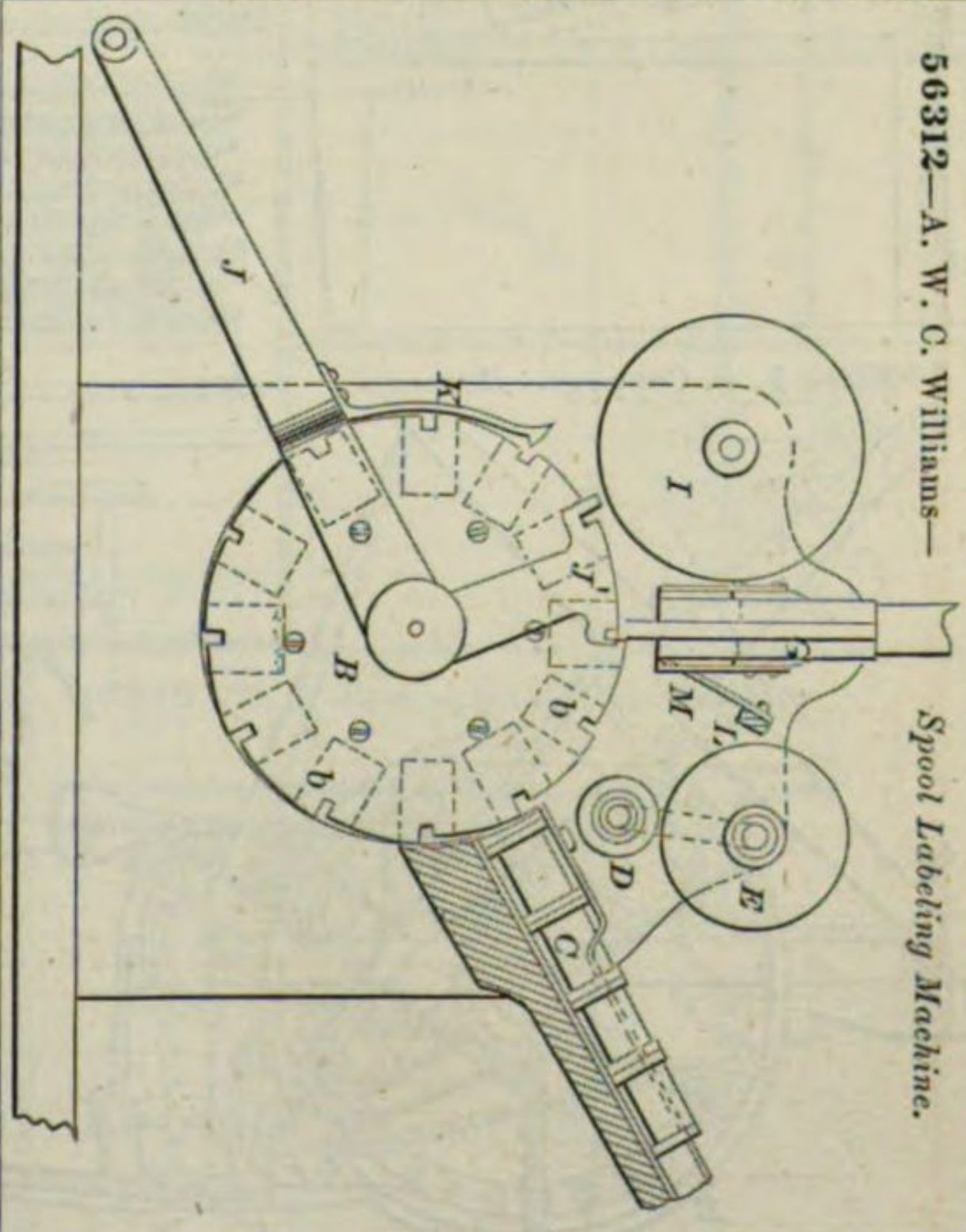
56309—A. S. Wilkinson—*Horse Shoe.*



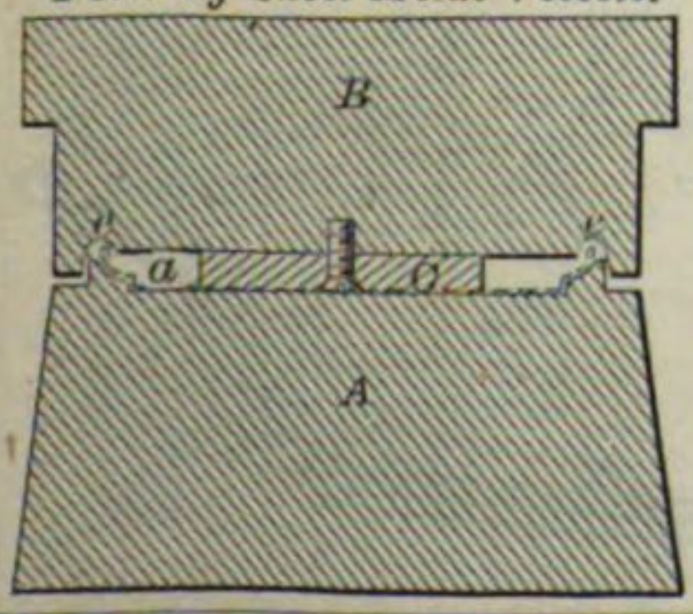
56311—A. S. Wilkinson—*Horse Shoe Anvil.*



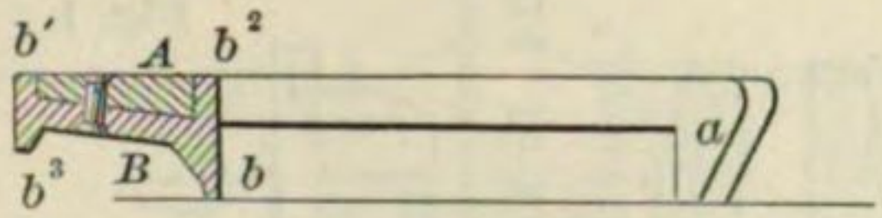
56312—A. W. C. Williams—*Spool Labeling Machine.*



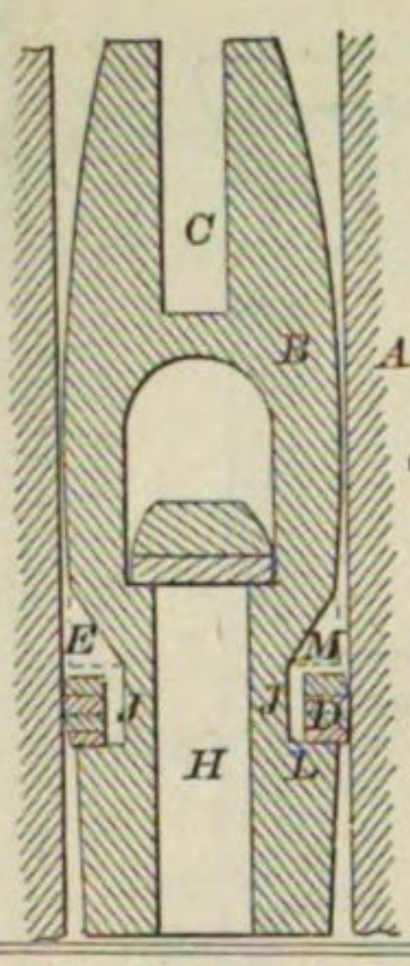
56313—S. R. Wilmot—*Die for Forming Sheet Metal Vessels.*



56310—A. S. Wilkinson—*Horse Shoe.*



56314—D. S. Wood—*Pump Piston.*



56316—J Woolerver—*Grain Separator.*

Fig. 1

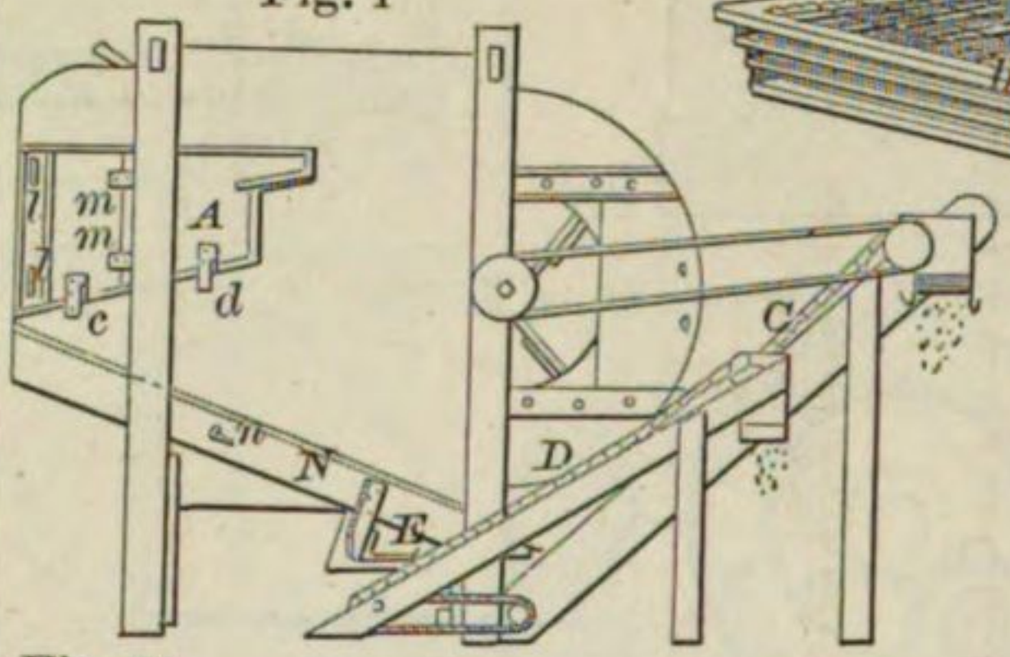


Fig. 10

Fig. 9

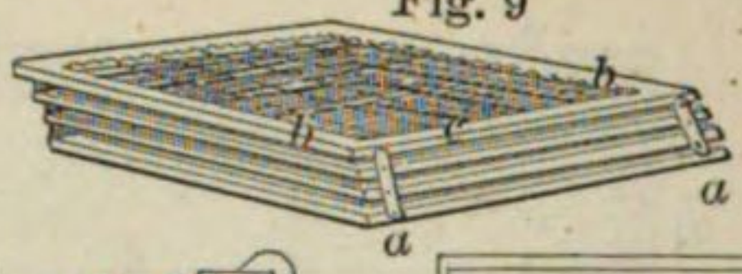
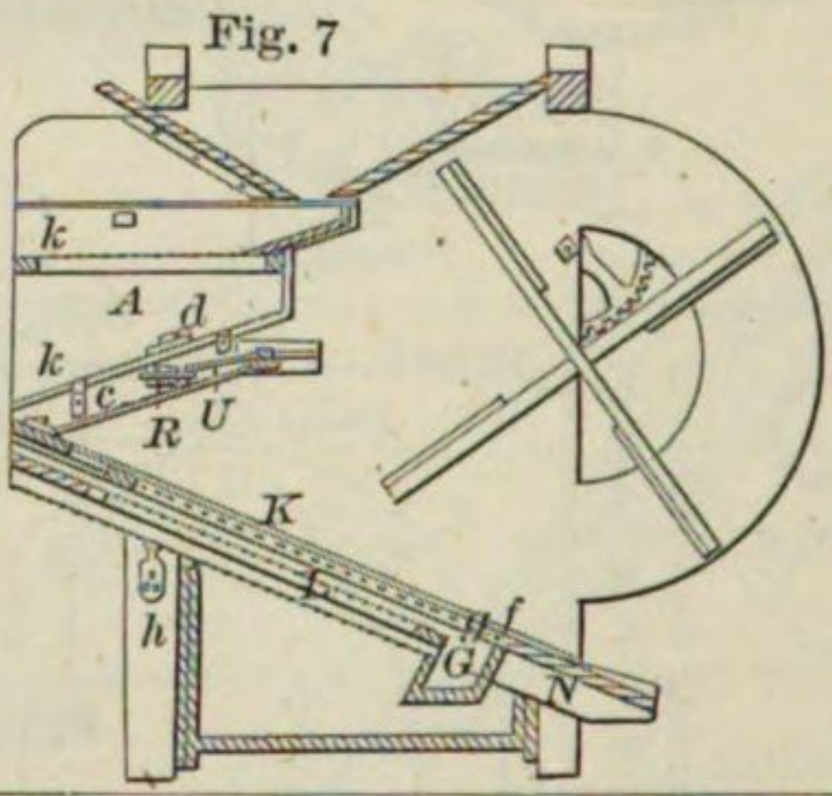
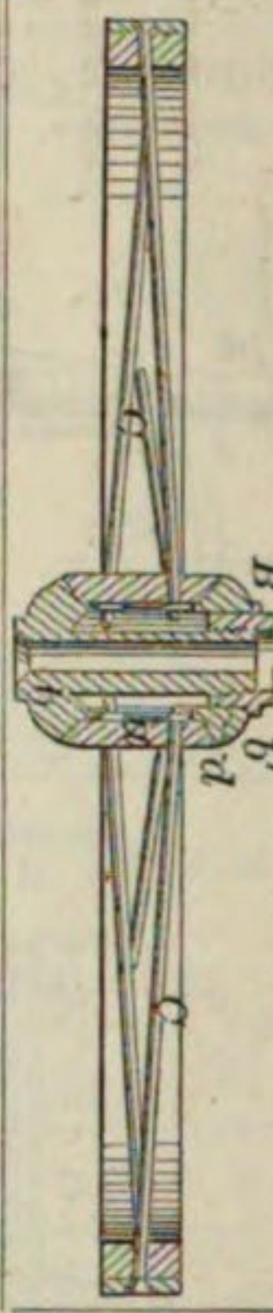


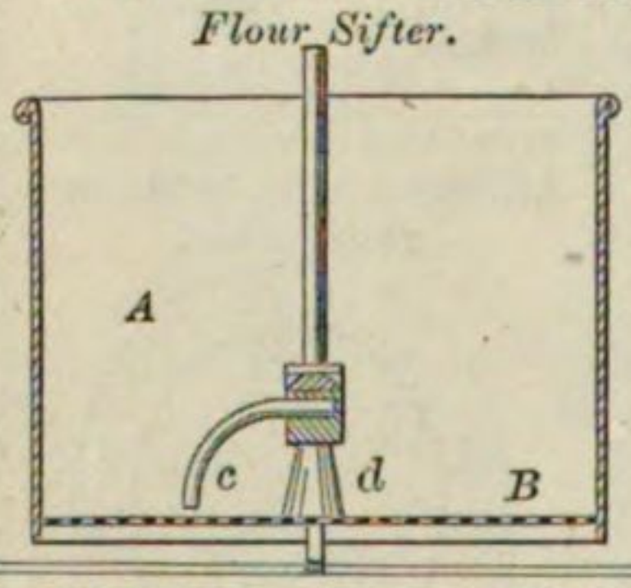
Fig. 7



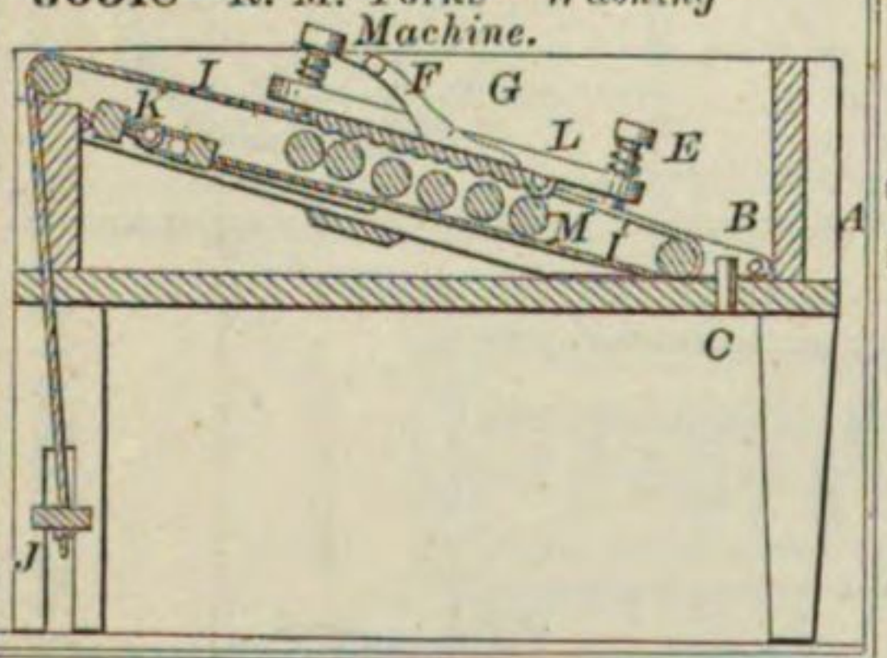
56315—Woodward & Smith—*Wheel Vehicle.*



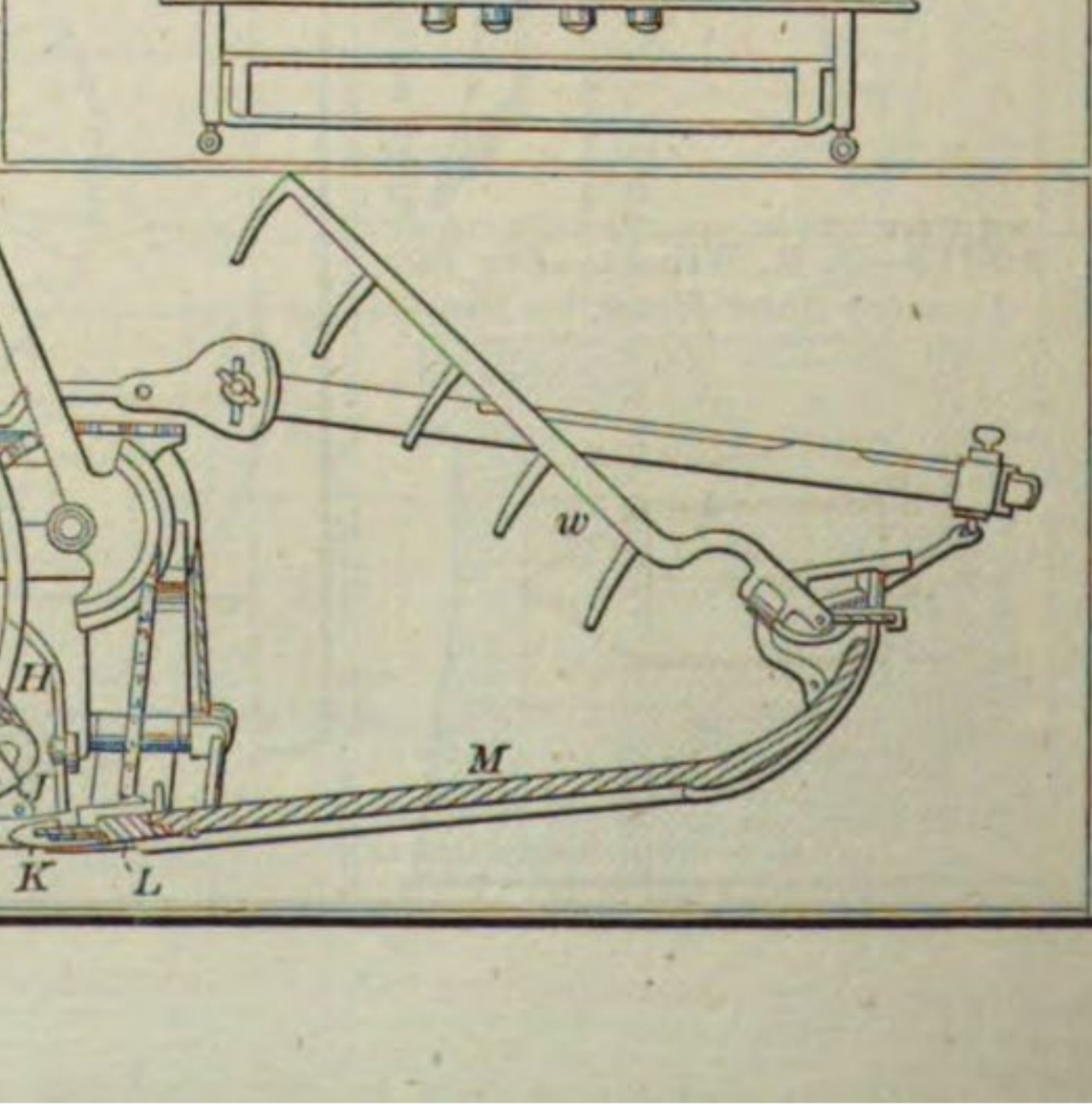
56317—Worcester & Perkins—*Flour Sifter.*



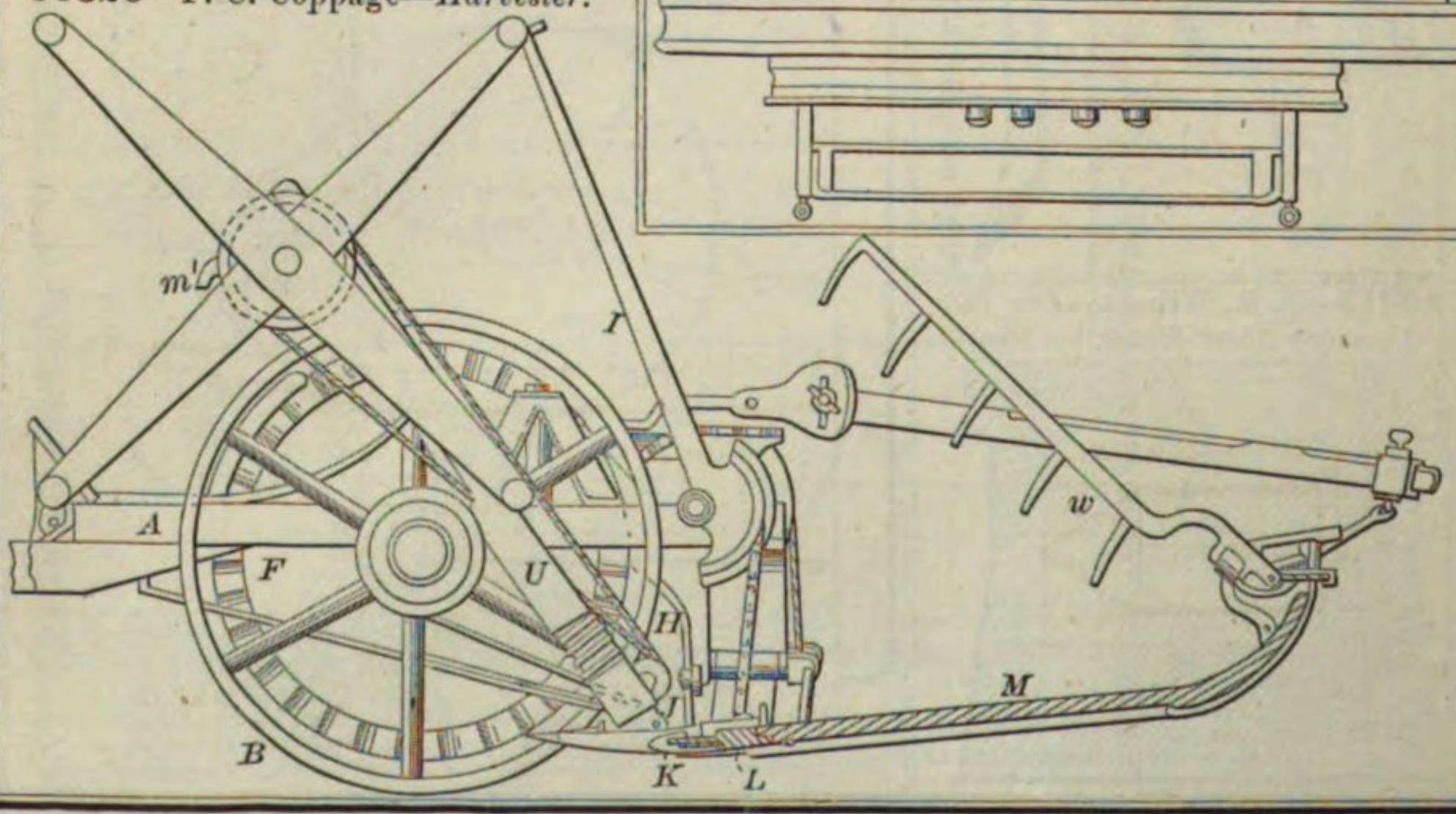
56318—R. M. Yorks—*Washing Machine.*



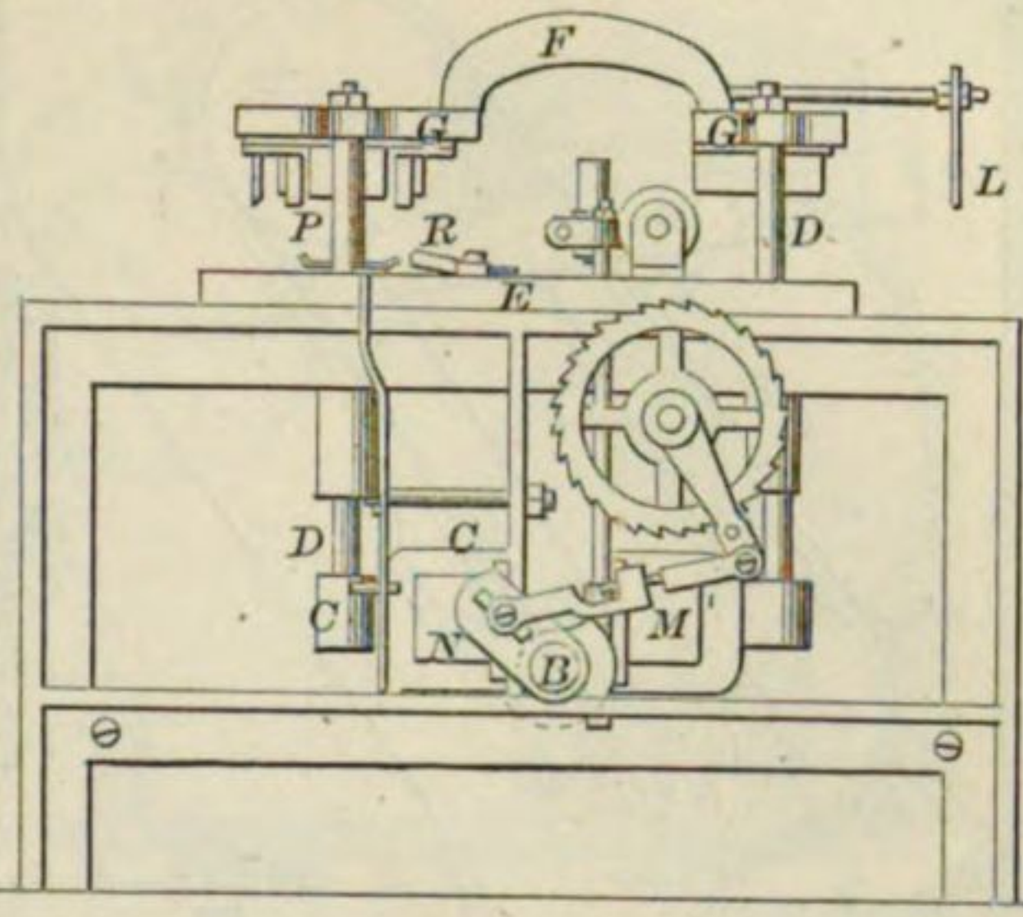
56319—C. F. Zimmermann—*c Accordeon.*

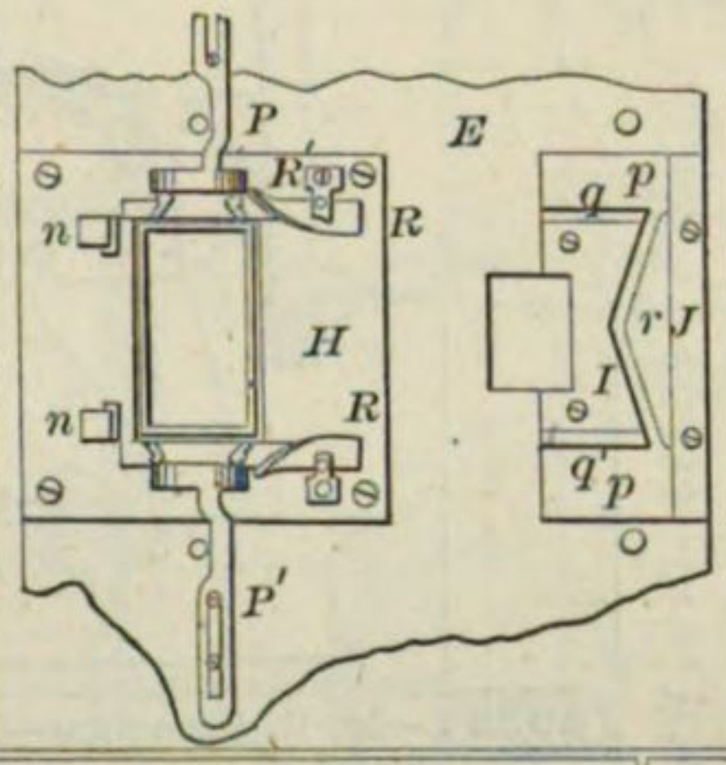


56320—F. C. Coppage—*Harvester.*

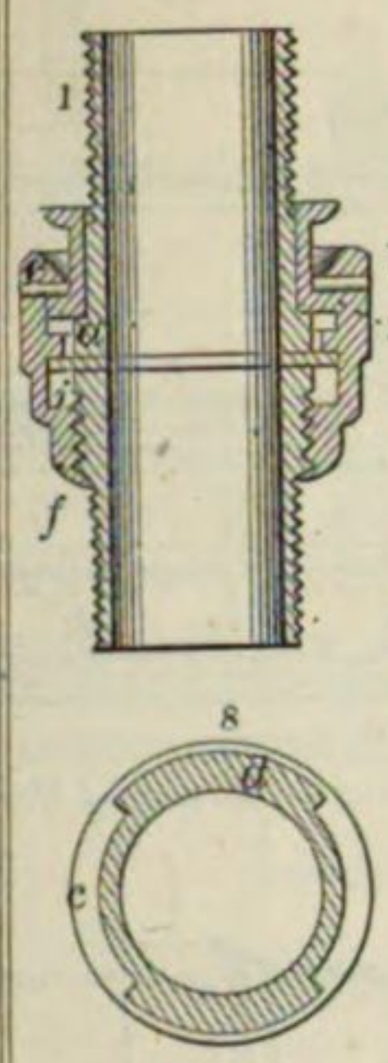


56325—R. Parks—*Envelope Machine.*

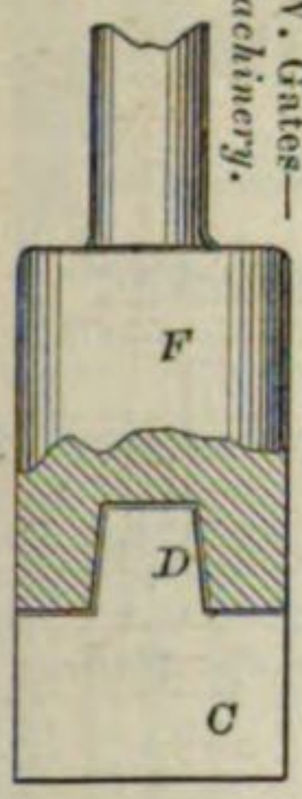




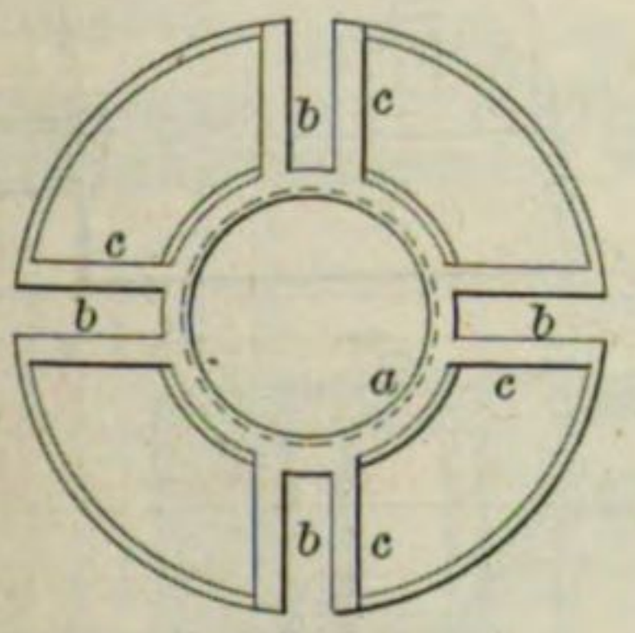
56324—J. B. Mitchell—*Hose Coupling.*



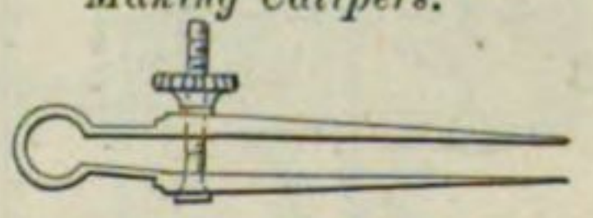
56321—P. W. Gates—*Stamping Machinery.*



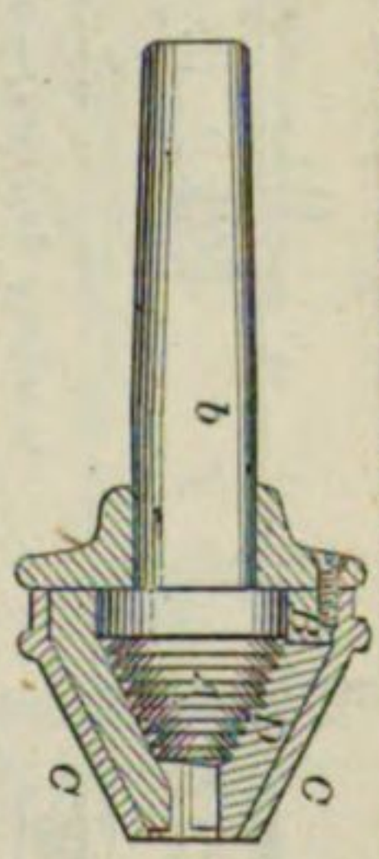
56326—D. Paterson—*Flange.*



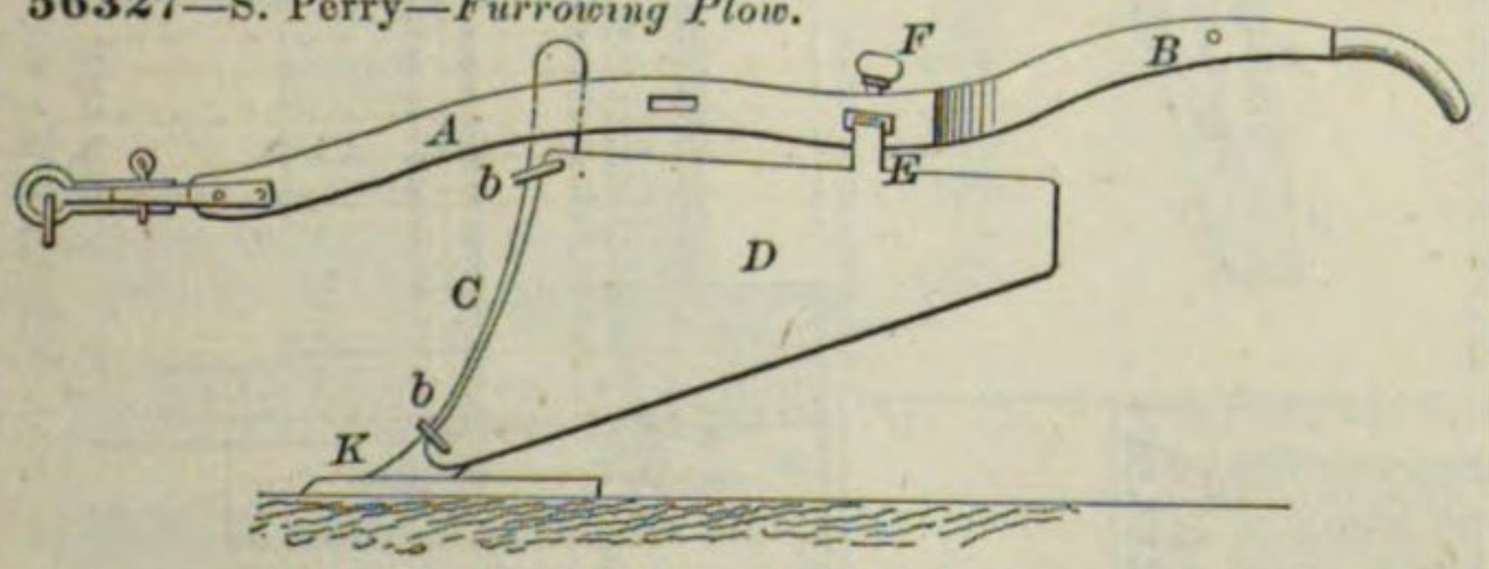
56323—J. B. Gooding—*Making Calipers.*



56329—I. Smith—*Chuck.*



56327—S. Perry—*Furrowing Plow.*



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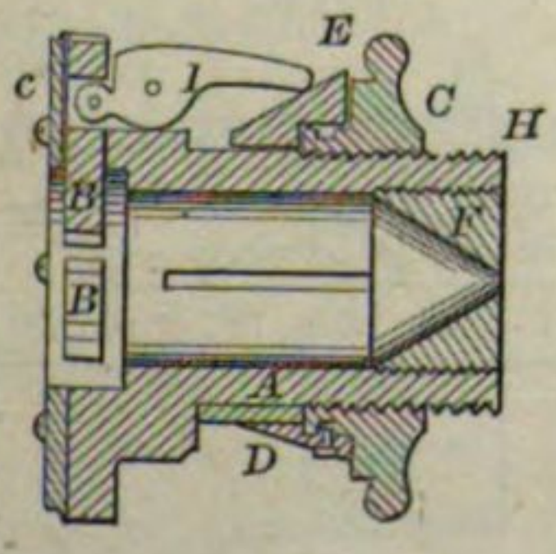
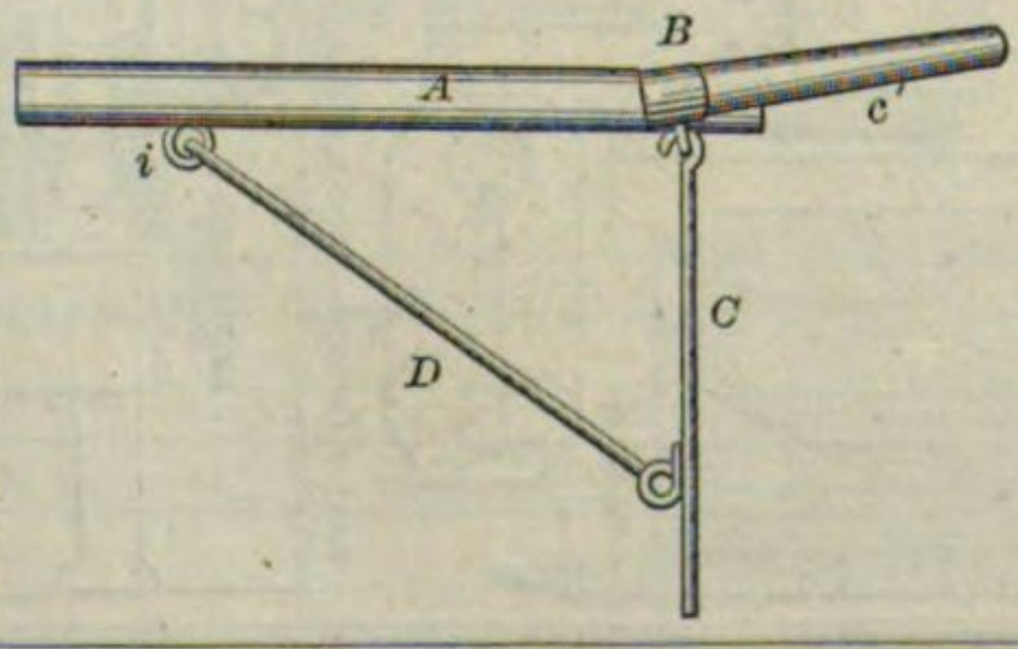
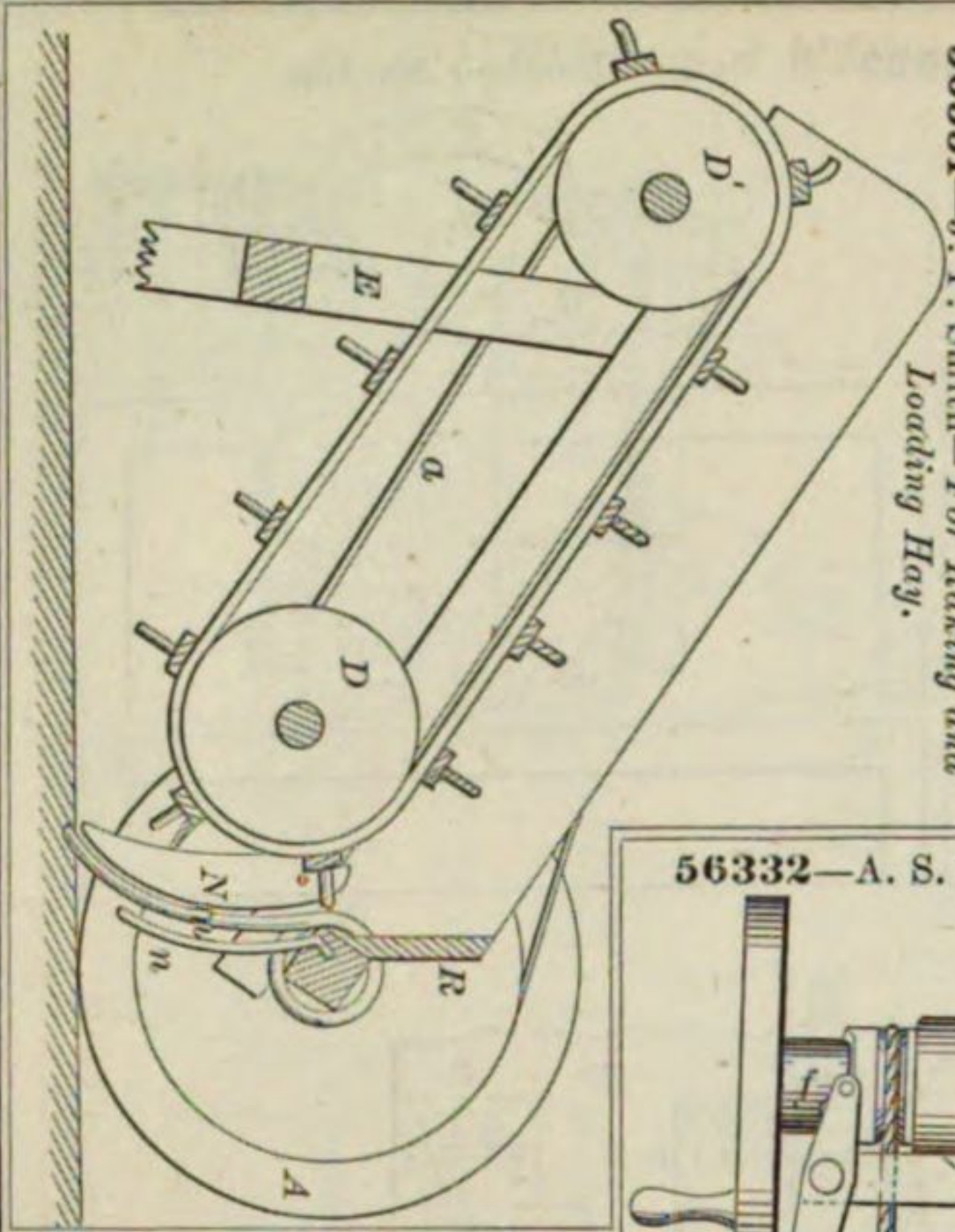


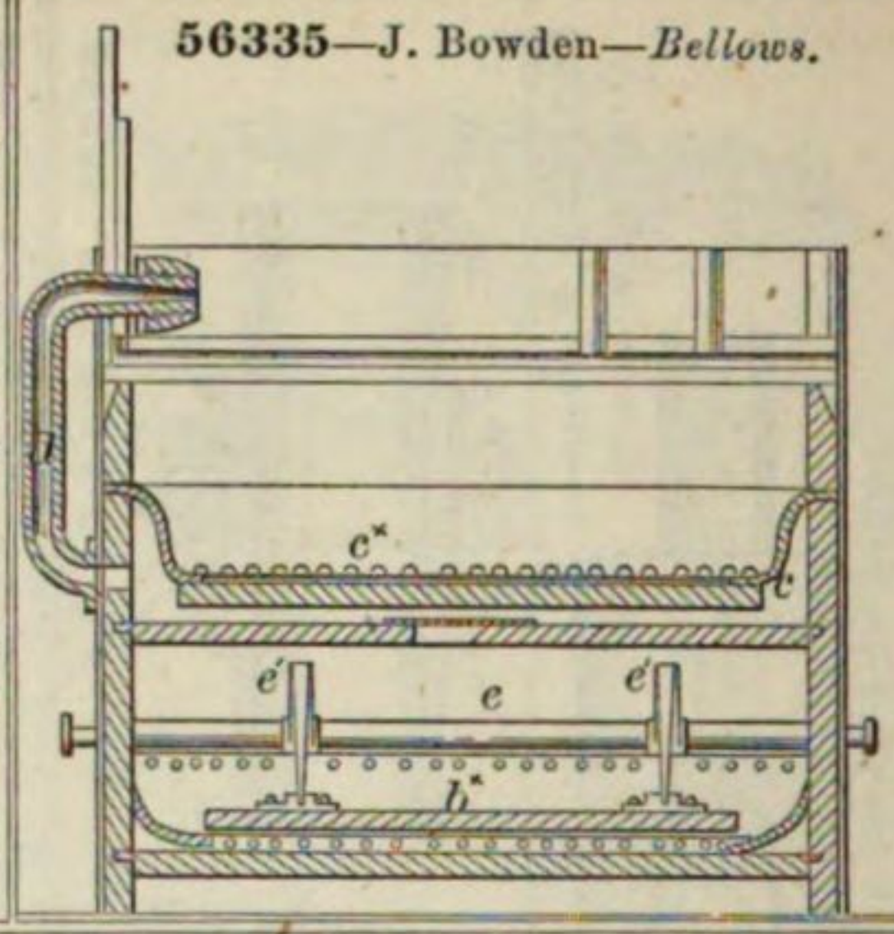
56328—M. C. Remington—*Grain Fork.*



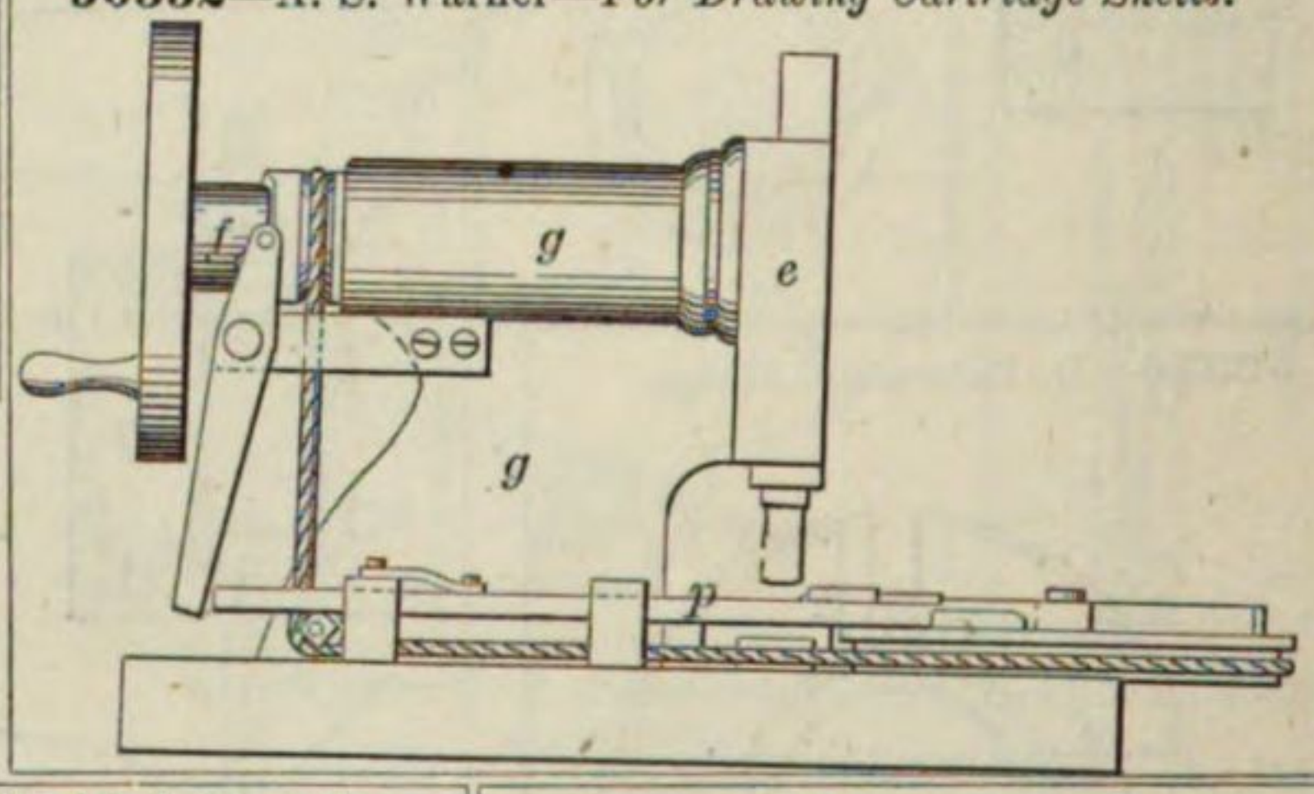
56331—J. P. Smith—*For Raking and Loading Hay.*



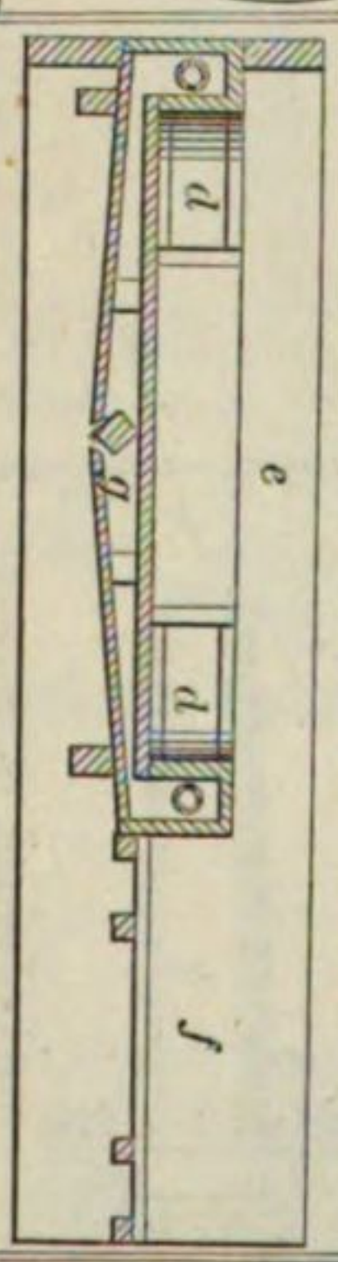
56335—J. Bowden—*Bellows.*



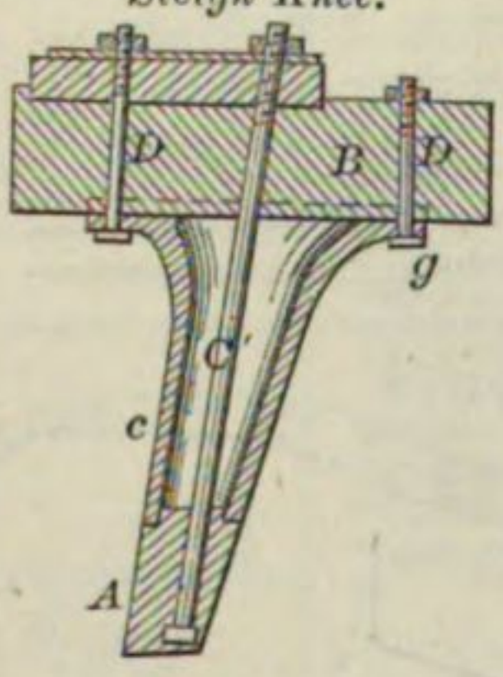
56332—A. S. Warner—*For Drawing Cartridge Shells.*



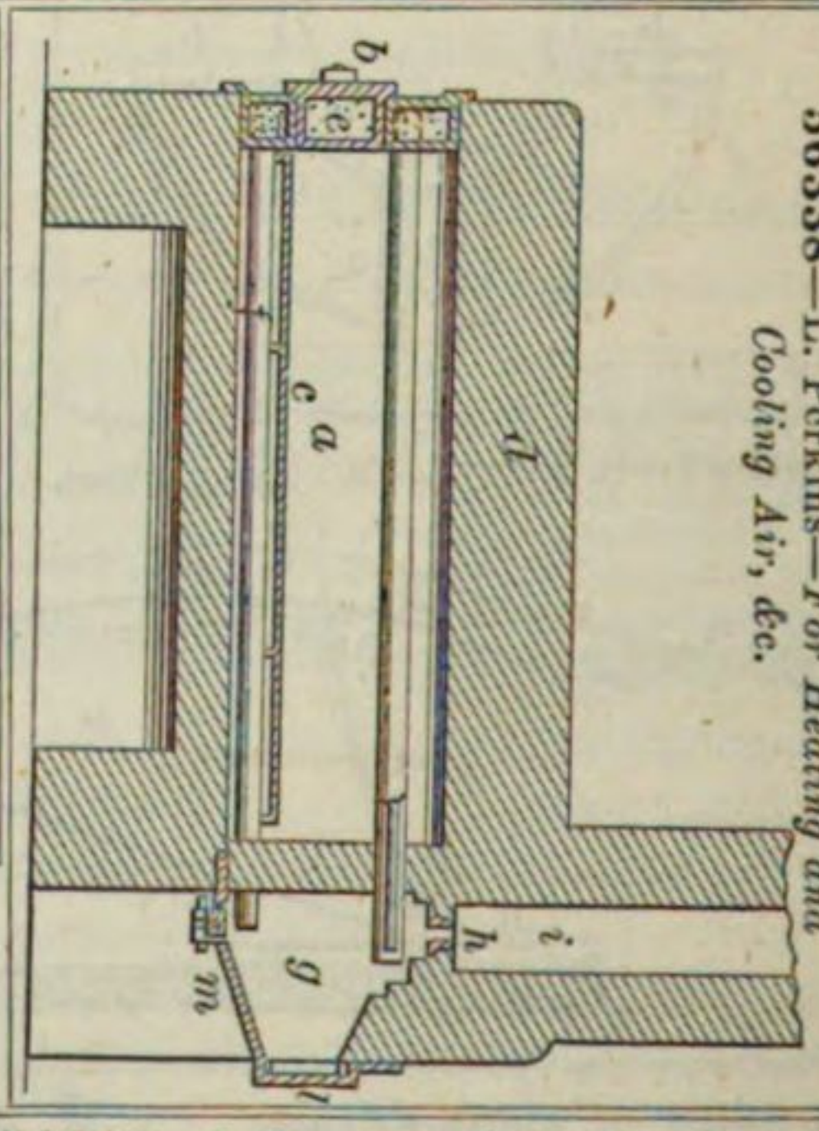
56333—G. A. Whipple—*Puddling Furnace.*



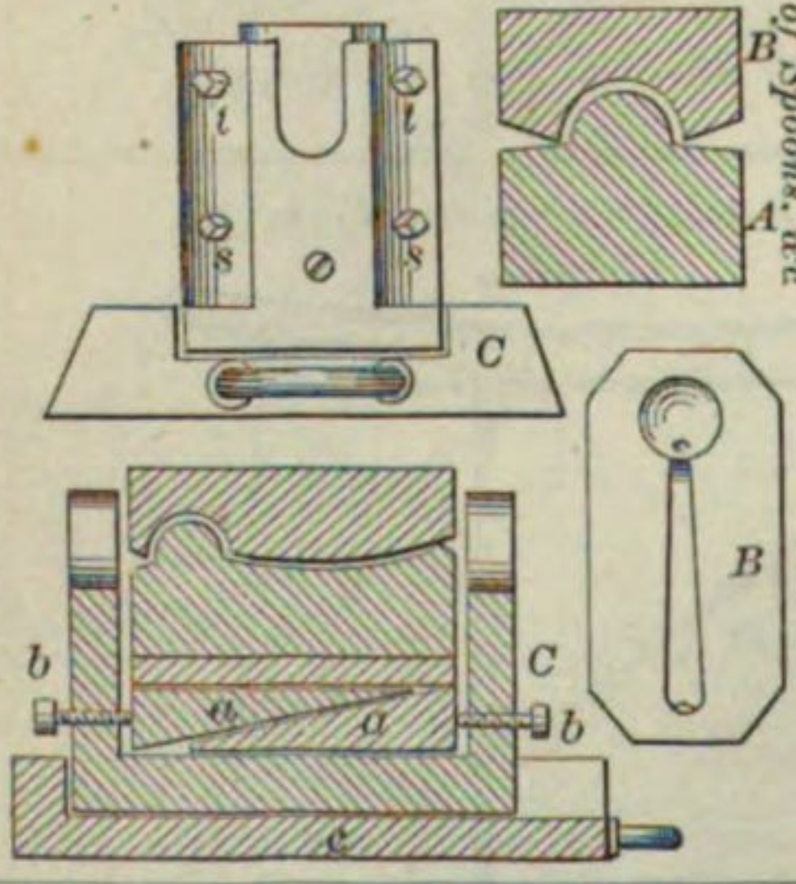
56334—M. E. Francisco—*Sleigh Knee.*



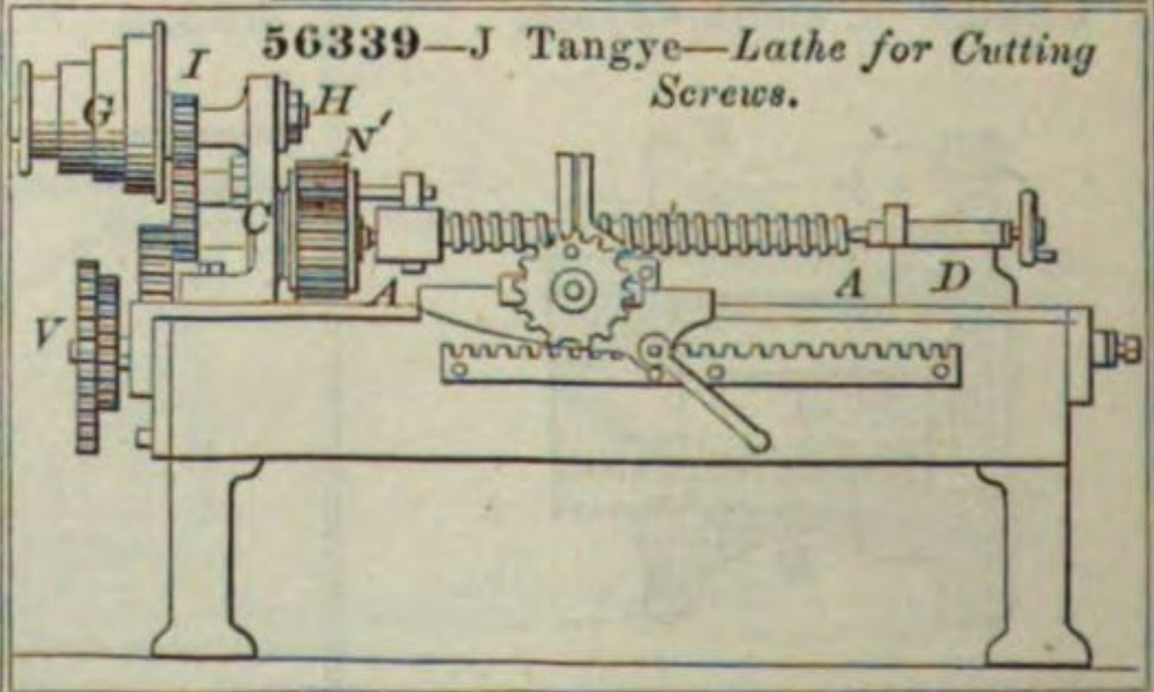
56338—L. Perkins—*For Heating and Cooling Air, &c.*



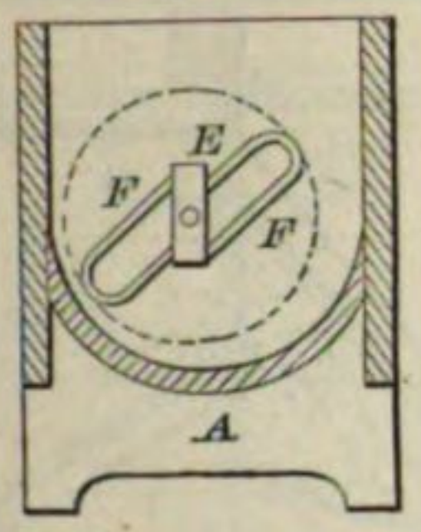
56337—D. J. Fleetwood—*Manufacture of Spoons, &c.*



56339—J Tangye—*Lathe for Cutting Screws.*

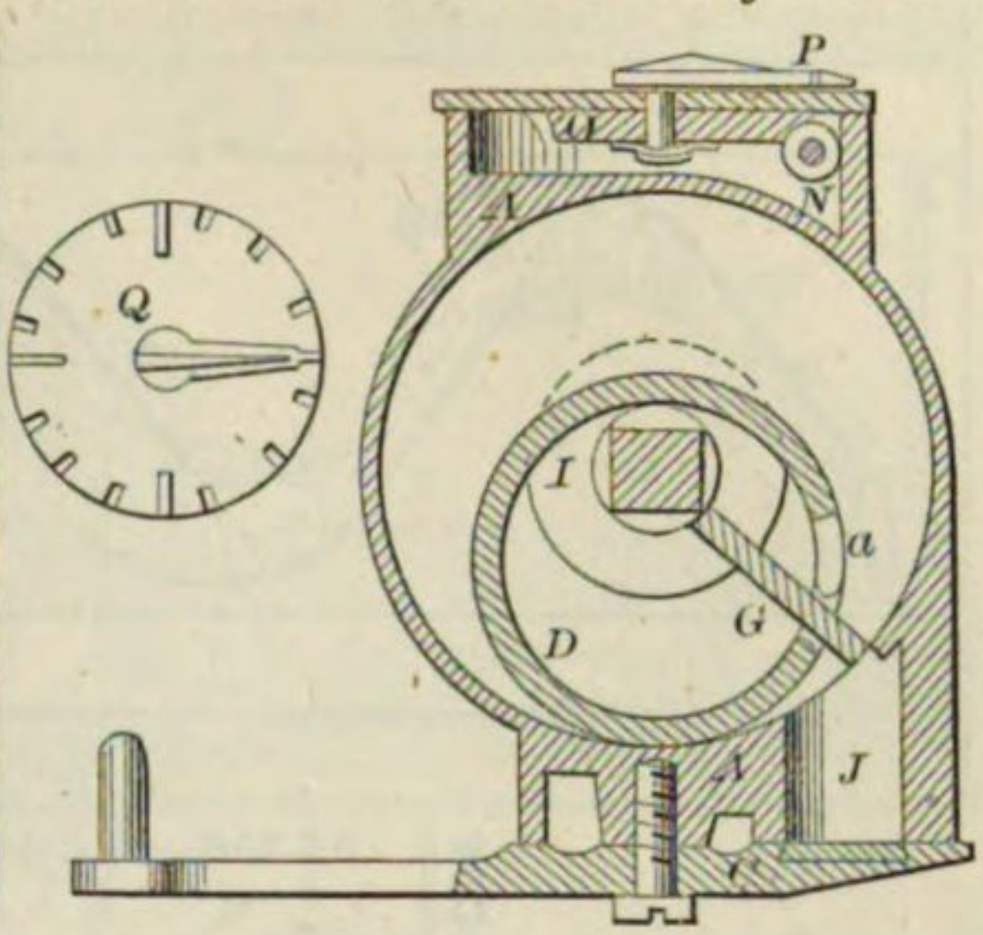


56340—J. Cooper—*Churn.*

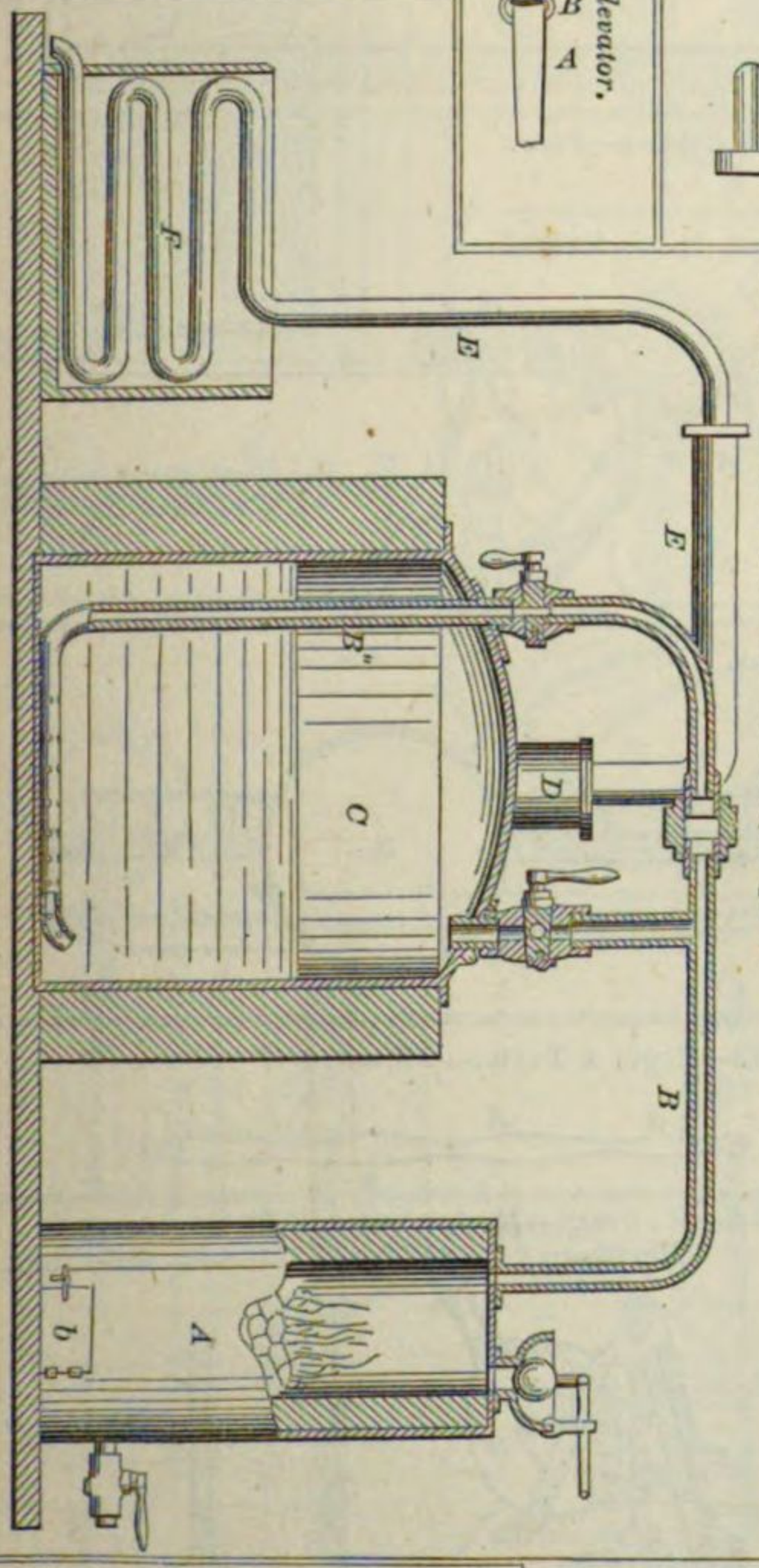


56341—T. V. Phelps—*Skirt Elevator.*

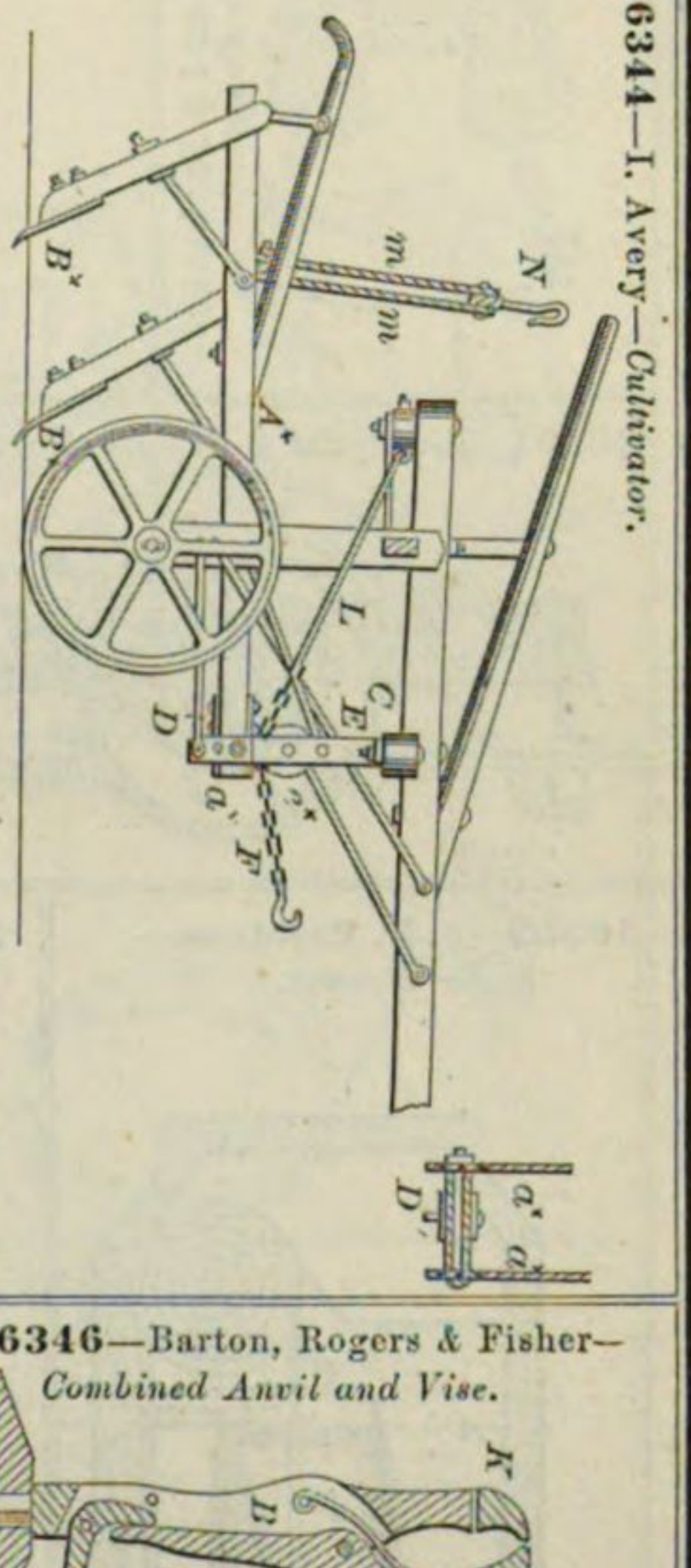
56342—J. G. Baker—*Measuring Faucet.*



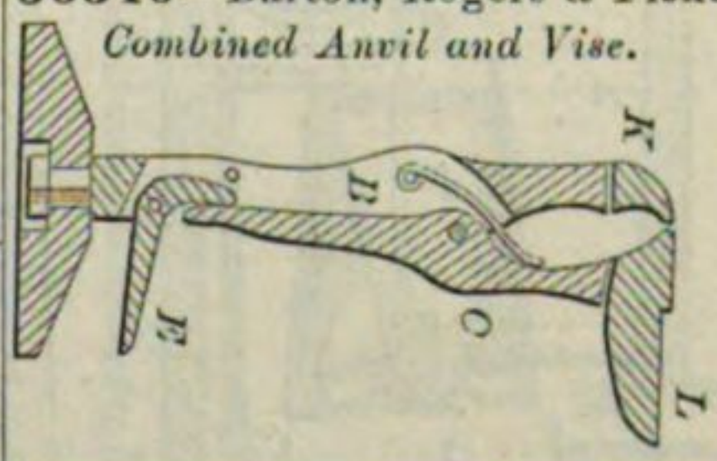
56343—Adair & Tweddle—*Distilling Liquids.*



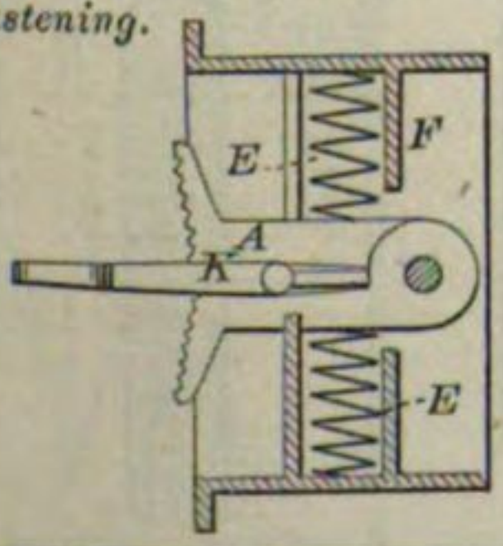
56344—I. Avery—*Cultivator.*



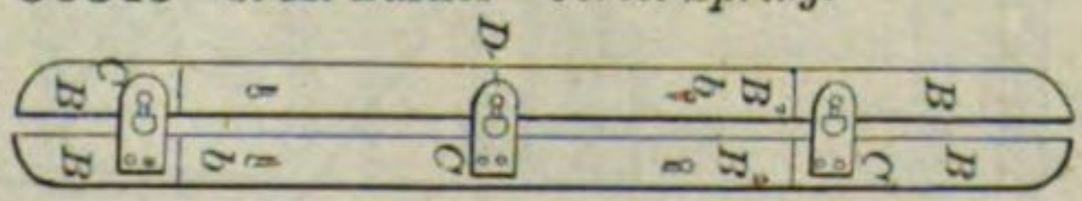
56346—Barton, Rogers & Fisher—*Combined Anvil and Vise.*



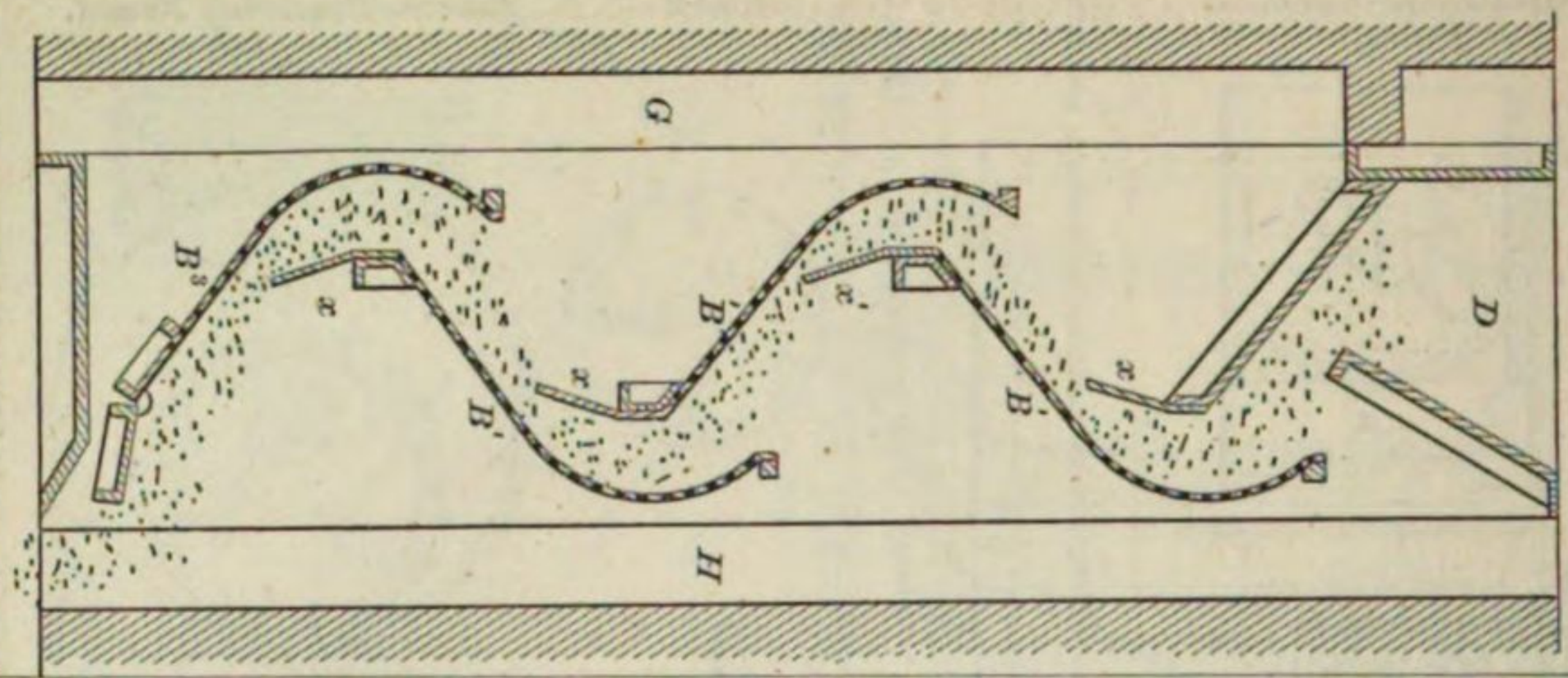
56347—B. Beach—*Sash Fastening.*



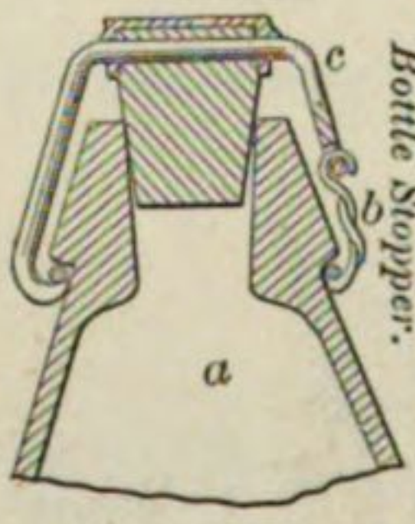
56345—S. H. Barnes—*Corset Spring.*



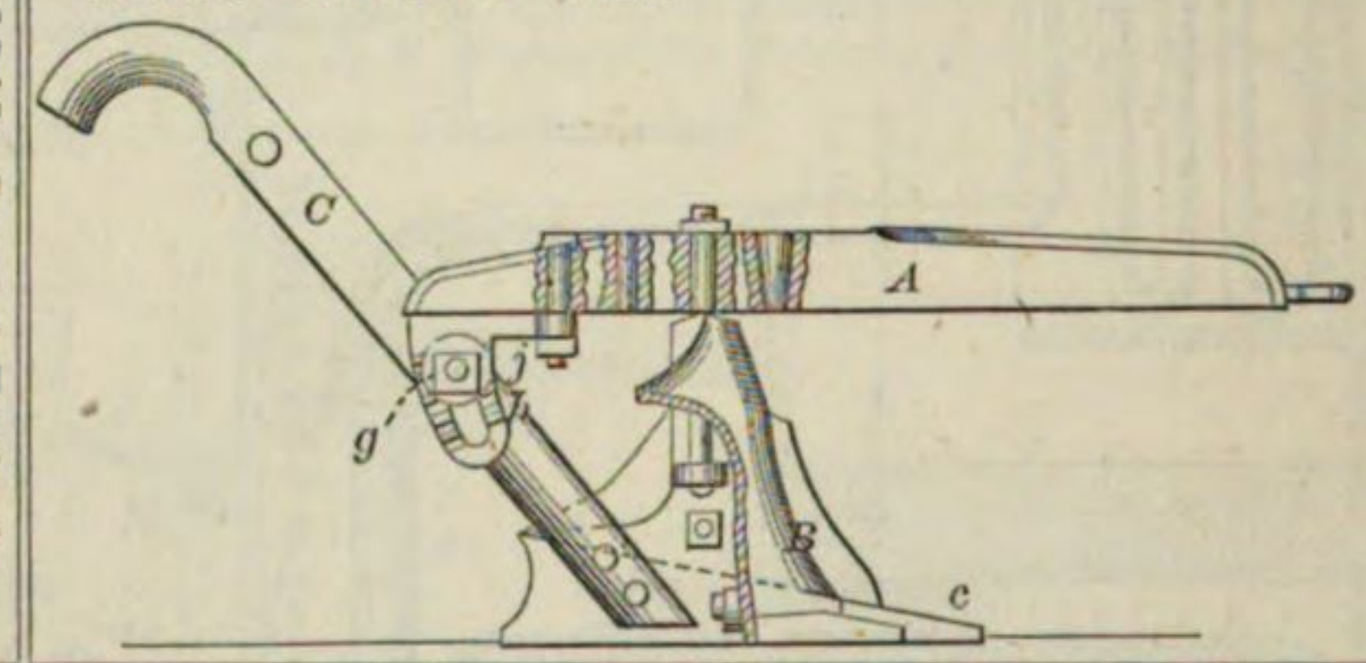
56348—H. H. Beach—*Grain Dryer.*



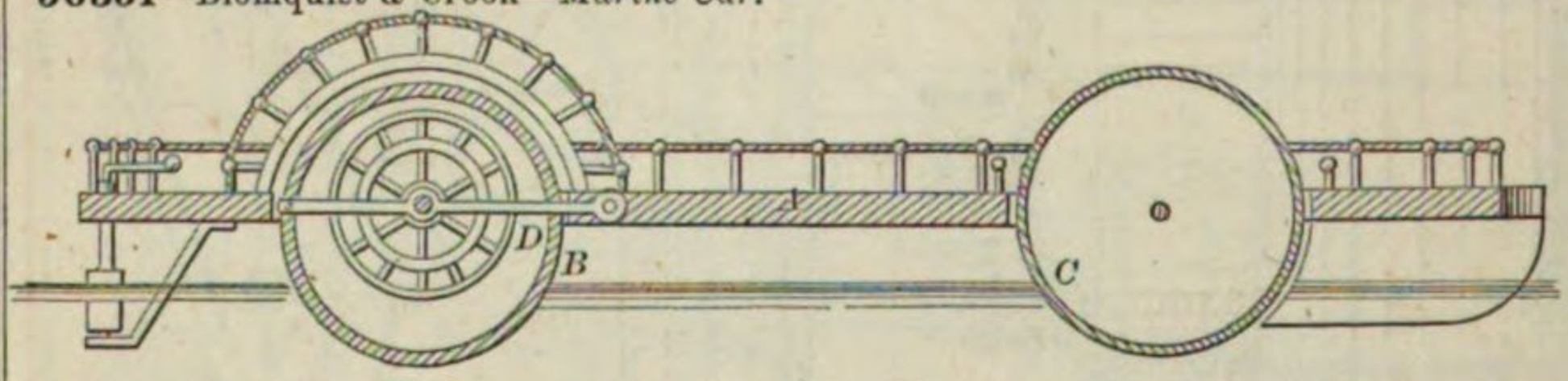
56349—Beard & Fairbanks—*Bottle Stopper.*



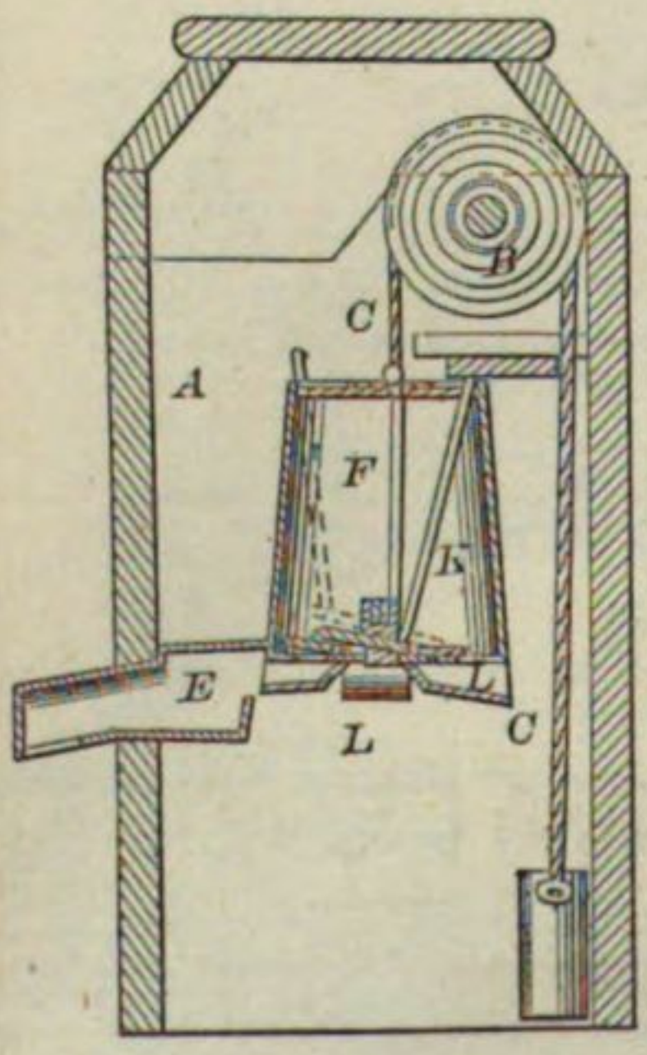
56350—C. Beidler—*Plow.*



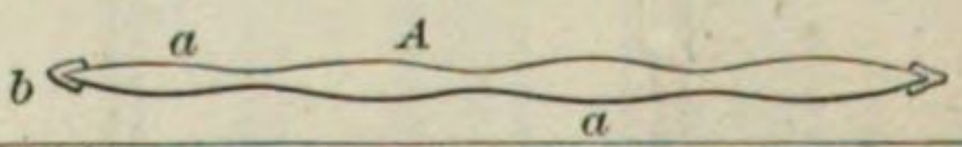
56351—Blomquist & Crook—*Marine Car.*



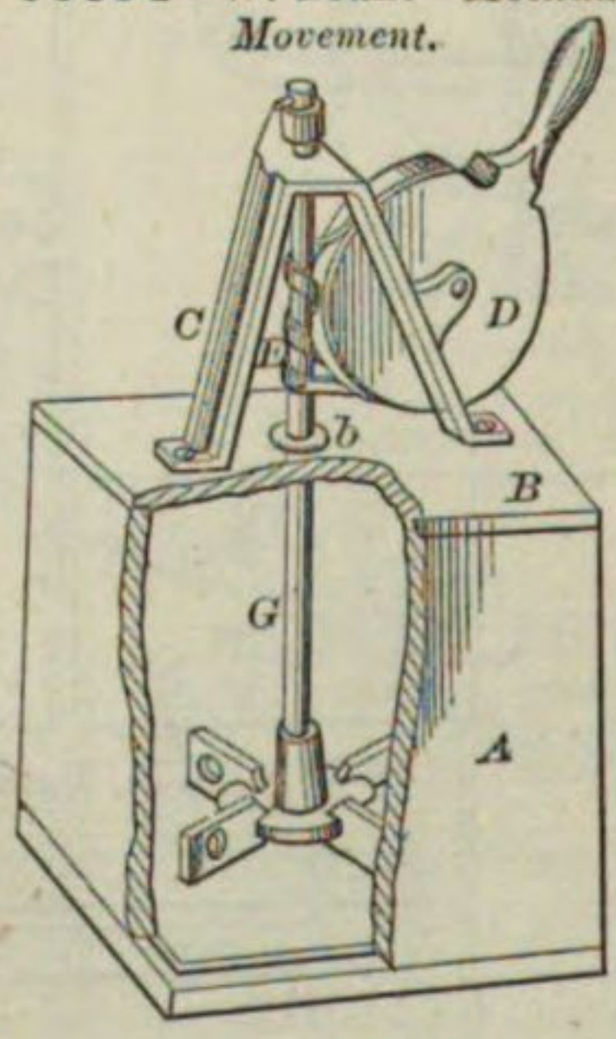
56352—S. R. Boardman—*Water Drawer.*



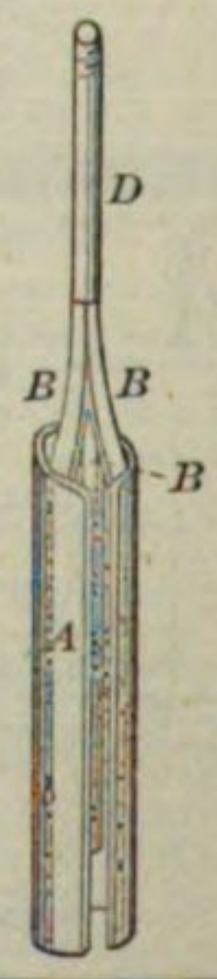
56353—Bogia & Taylor—*Plaster.*



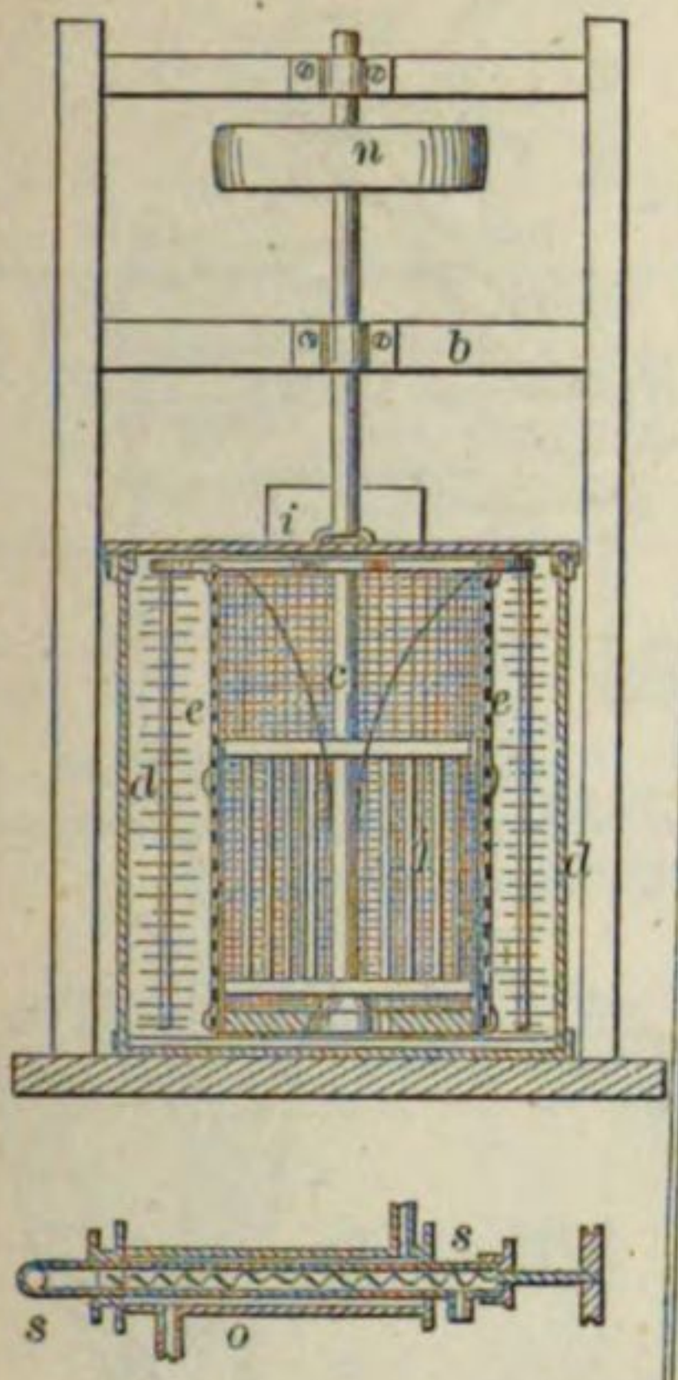
56354—W. Brant—*Mechanical Movement.*



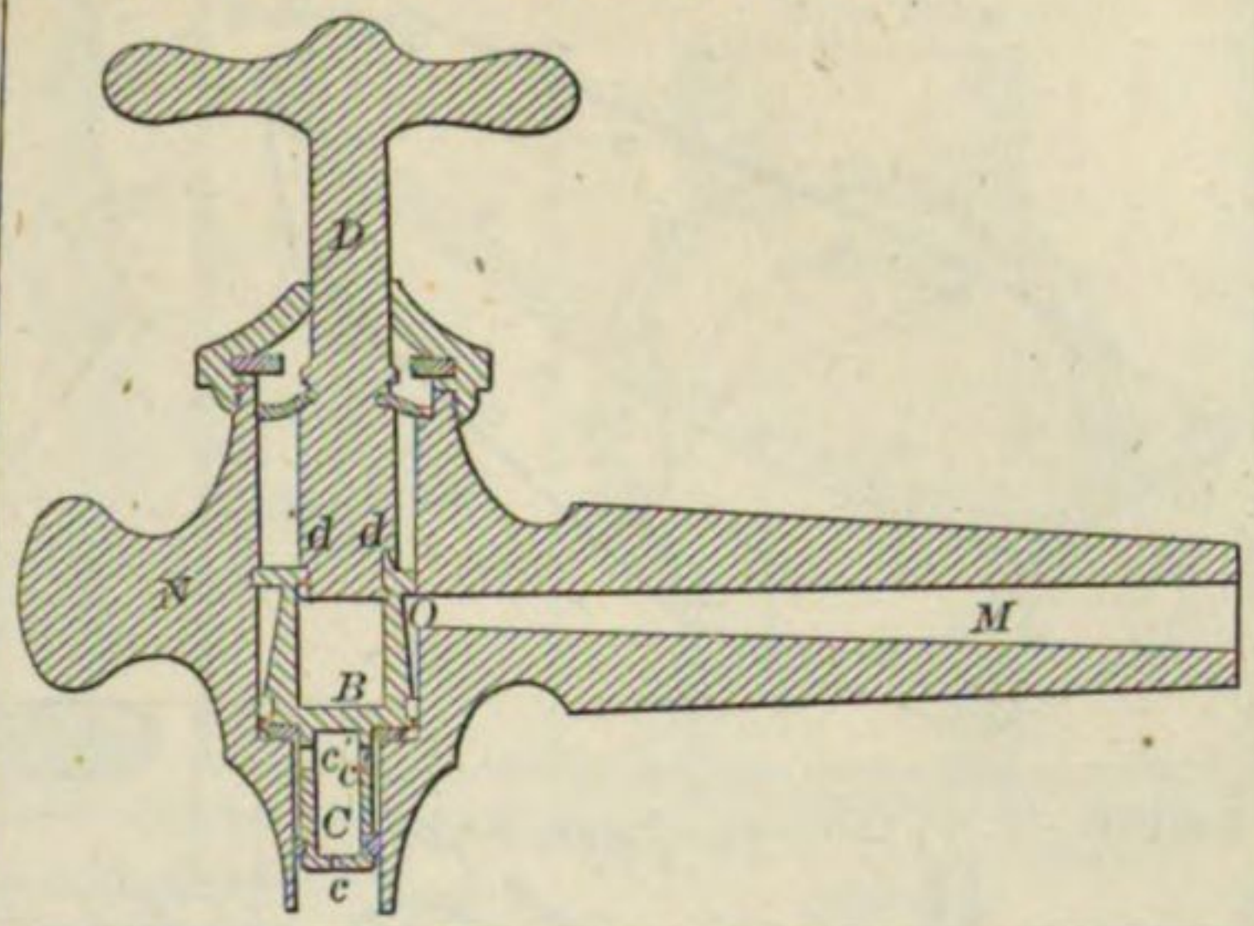
56355—Brewer & Winter—*Well Tube.*



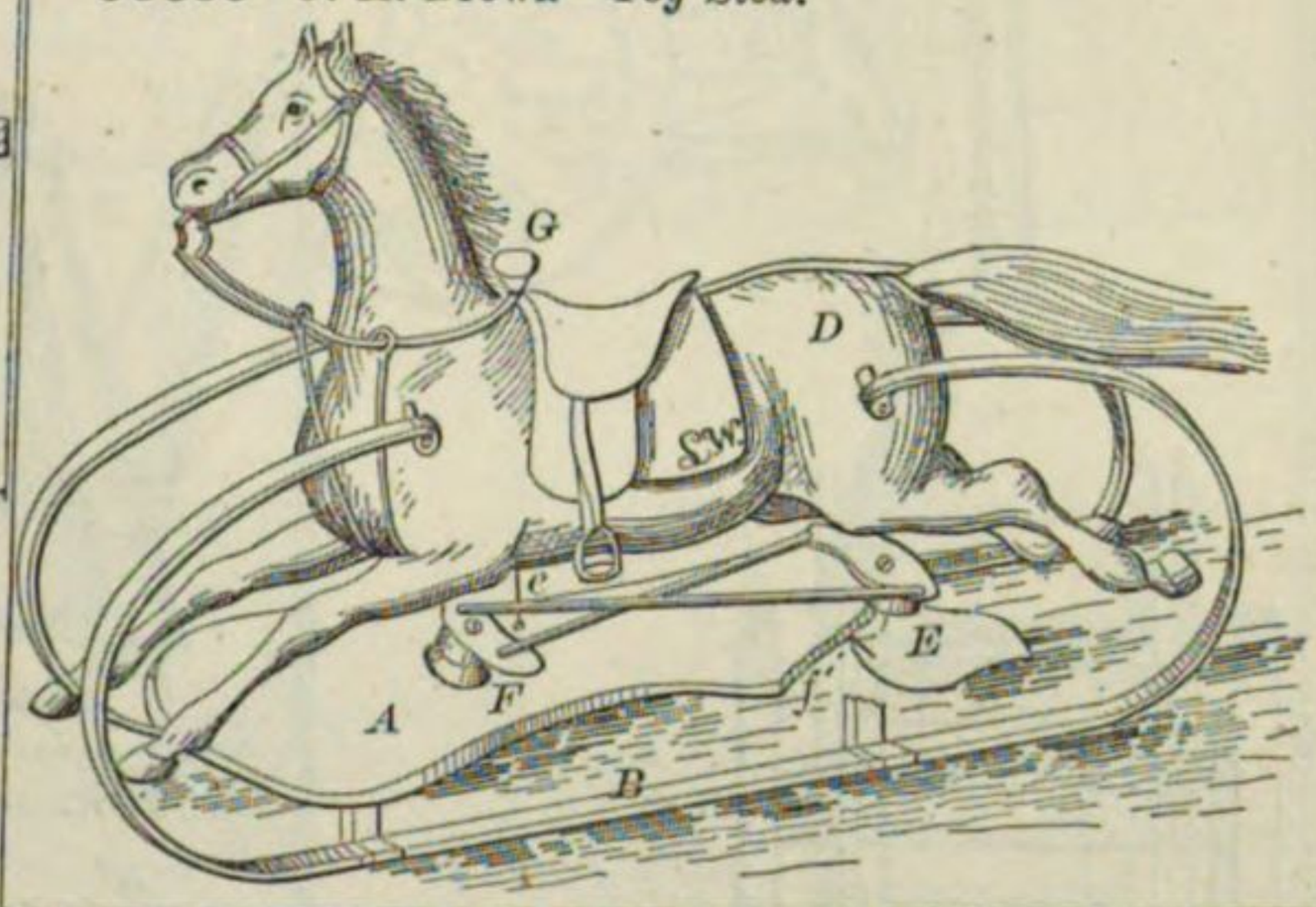
56356—J. Briggs—*Preparing Starch, &c.*



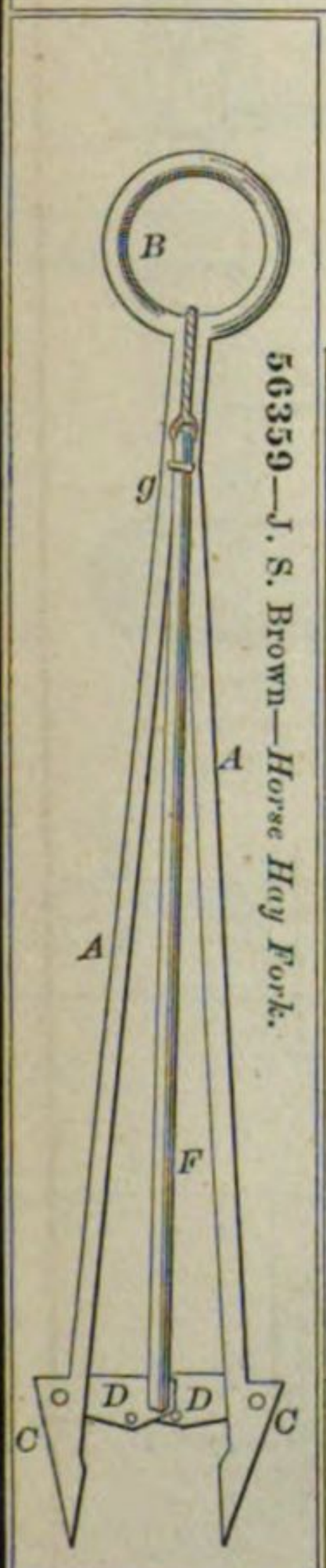
56357—Brown & McGhie—*Beer Faucet.*



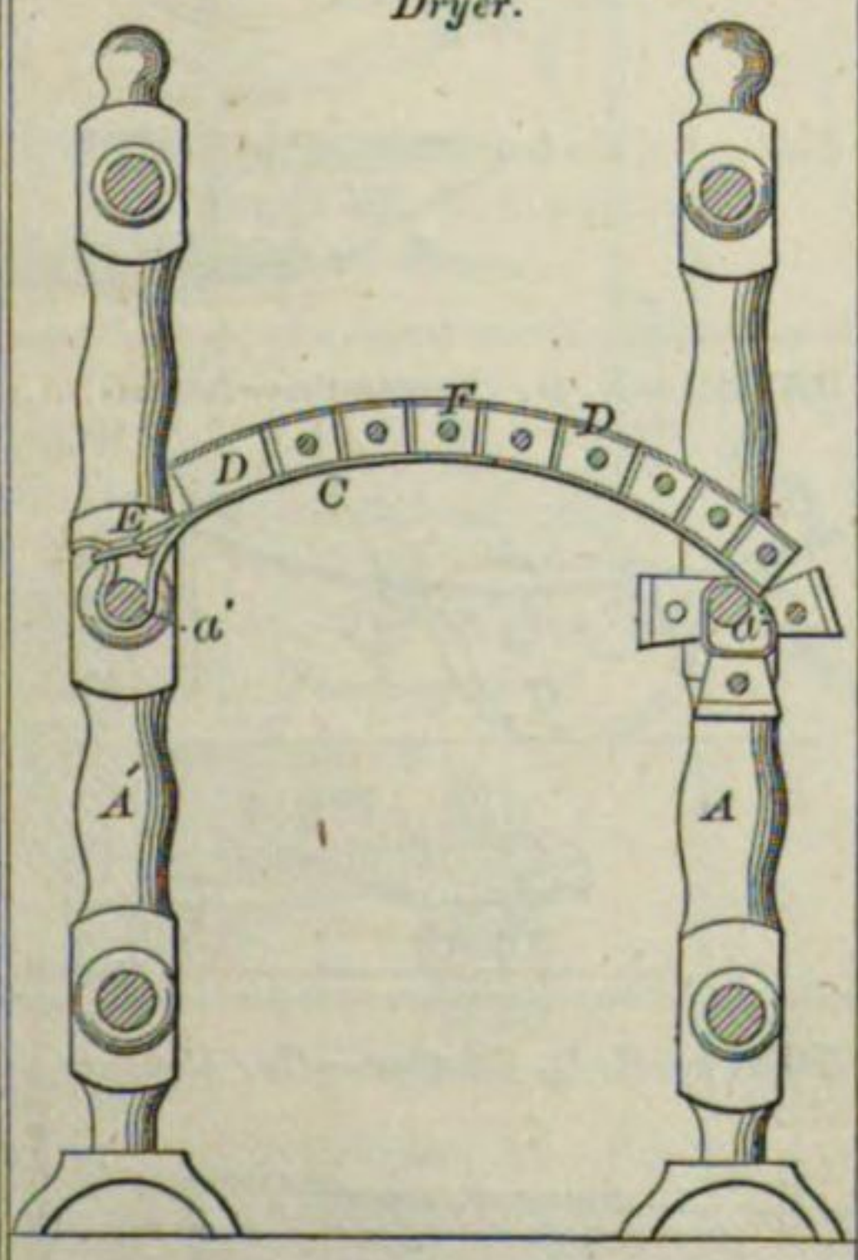
56358—J. H. Brown—*Toy Sled.*



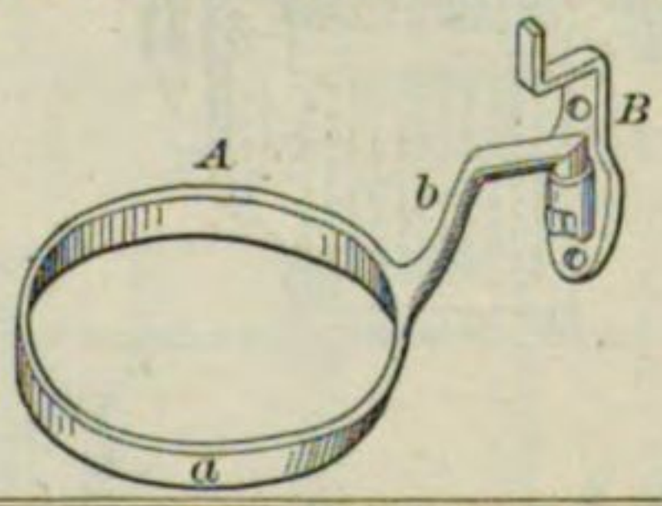
56359—J. S. Brown—*Horse Hay Fork.*



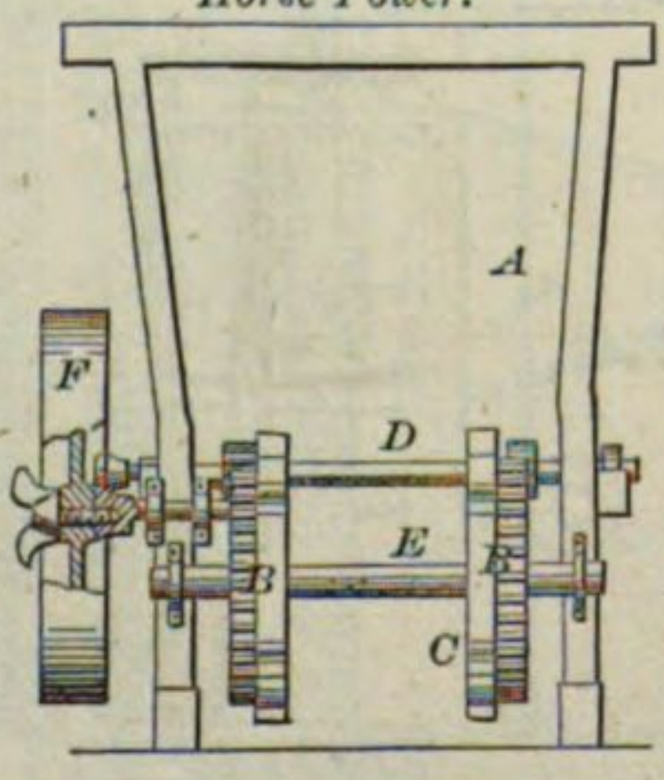
56360—O. C. Brown—*Clothes Dryer.*



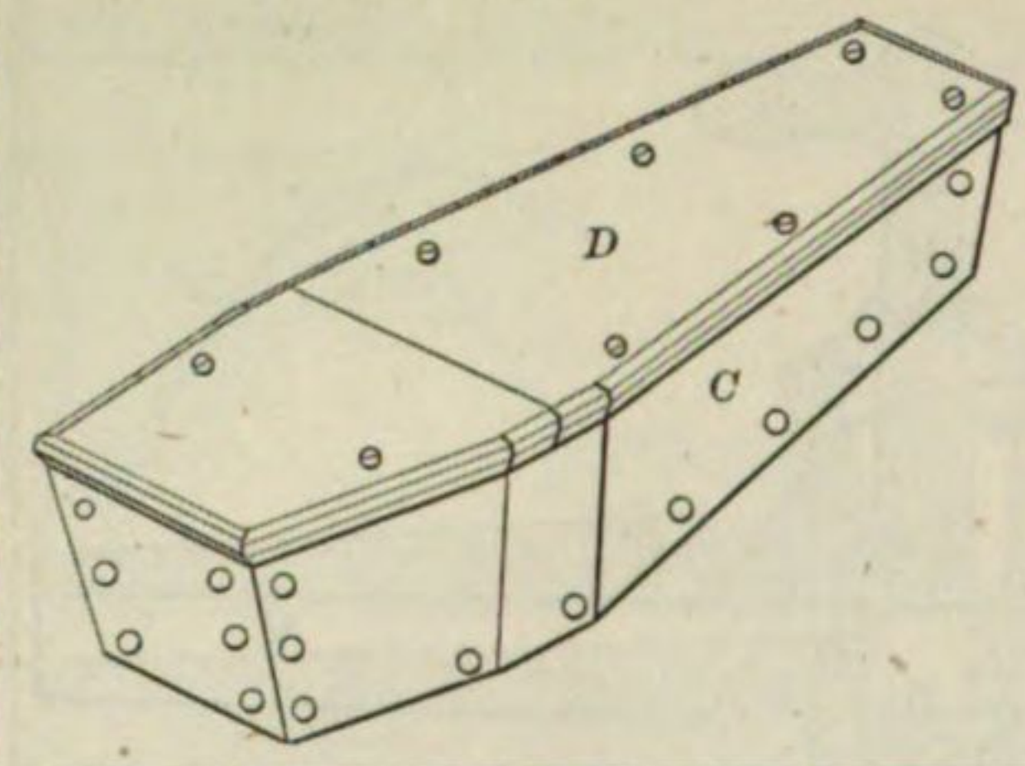
56361—T. W. Brown—*Bracket.*



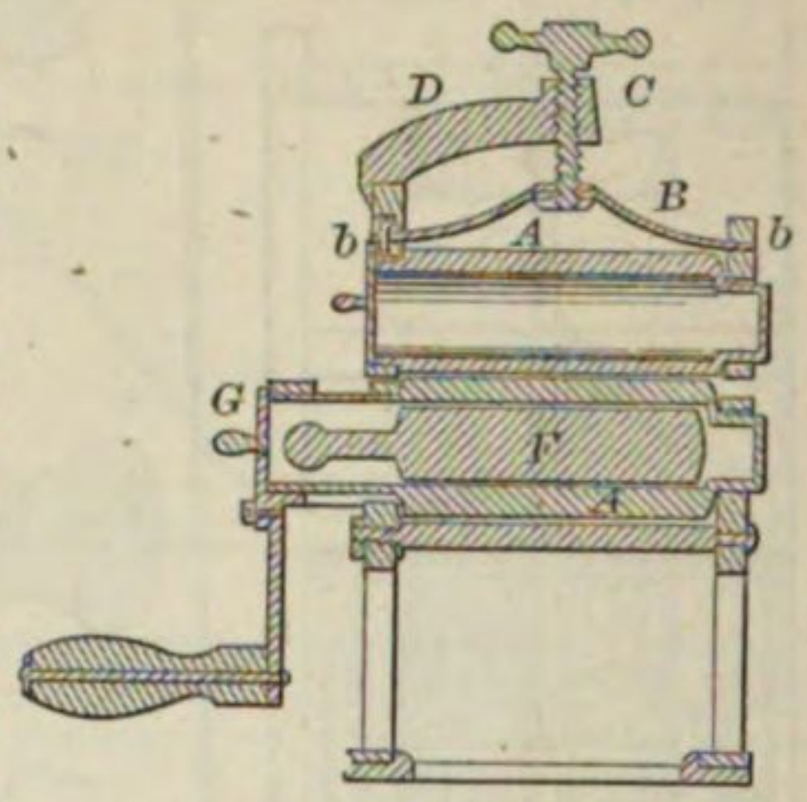
56362—H. L. & A. J. Buckwalter—*Horse Power.*



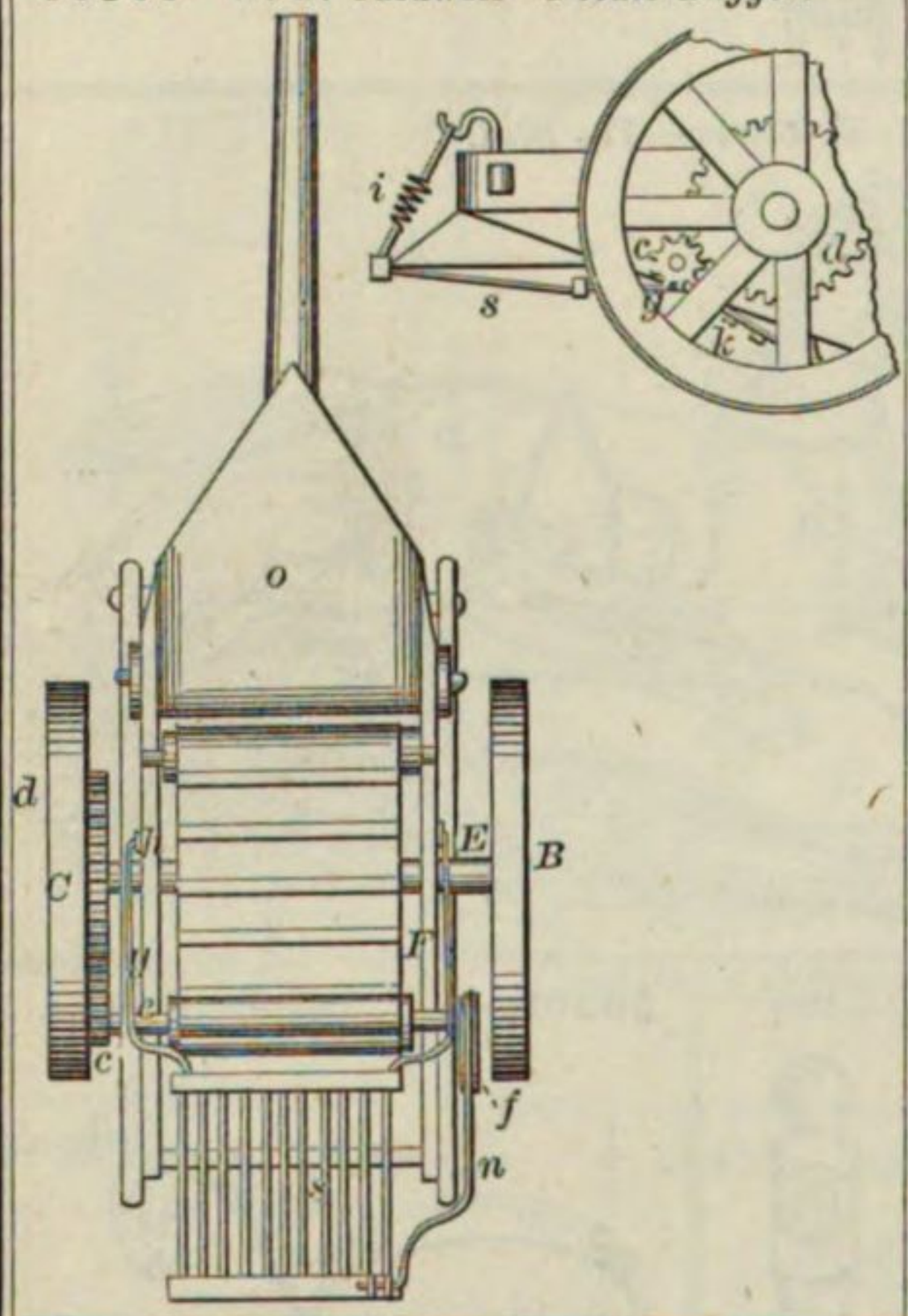
56364—J. Burns—*Coffin.*



56365—S. G. Cabell—*Crimping Machine.*



56366—W. F. Caldwell—*Potato Digger.*



56367—R. Carter—*Tea Pot.*

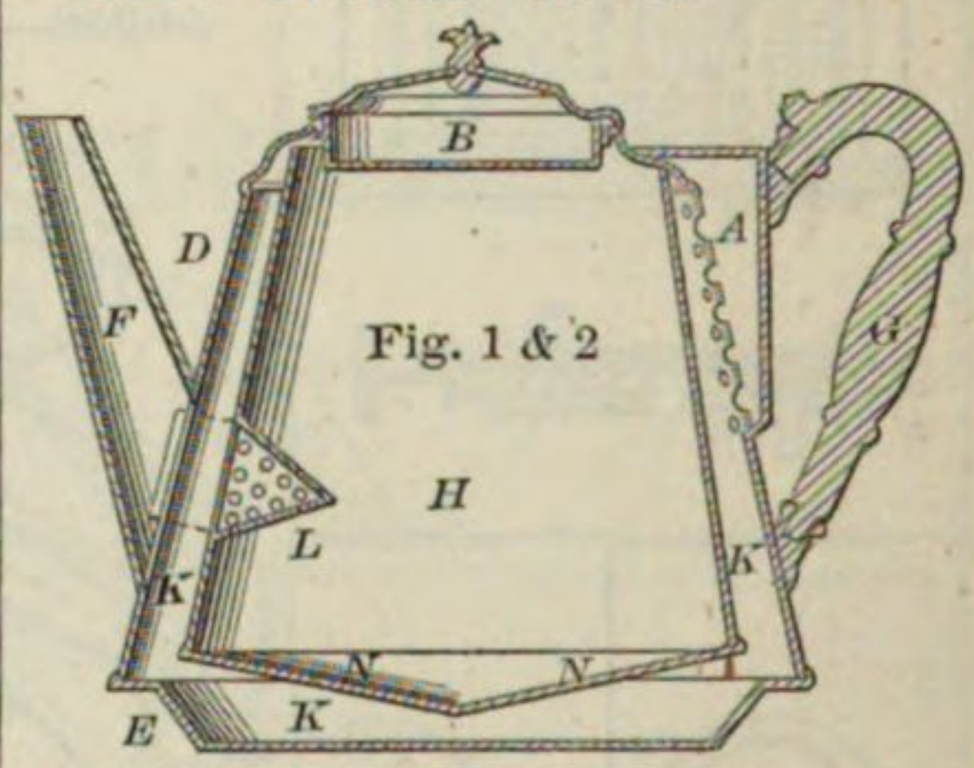
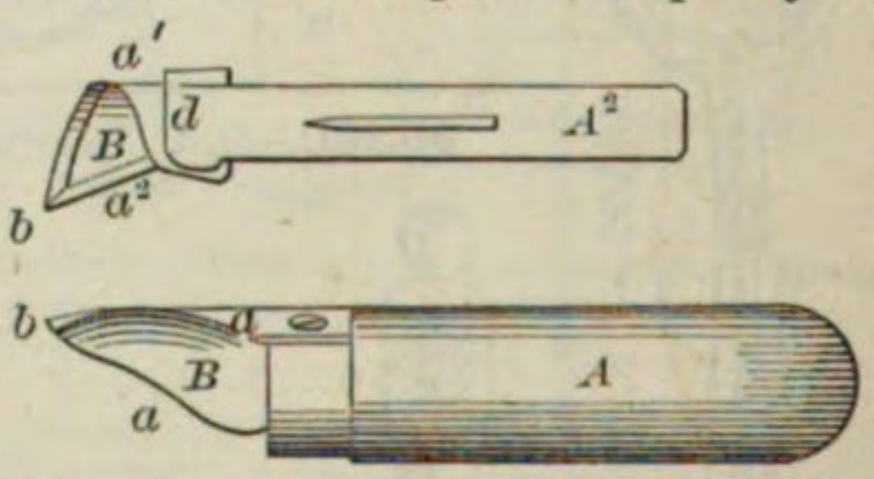


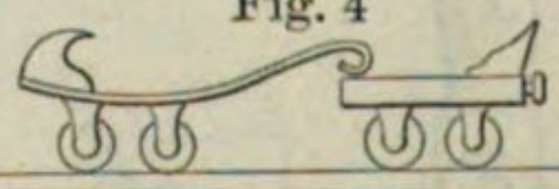
Fig. 1 & 2

56368—S. P. Chapin—*For Opening Cans.*

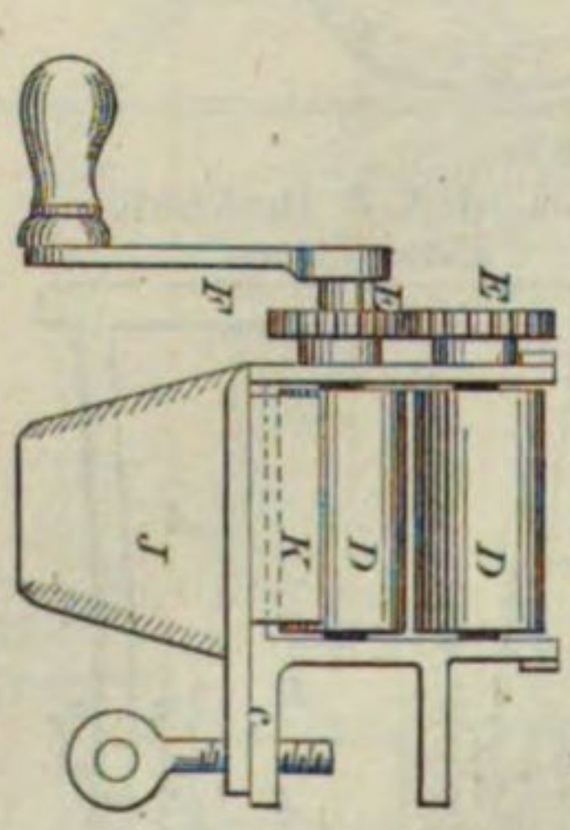


56369—E. G. Chormann—*Skate.*

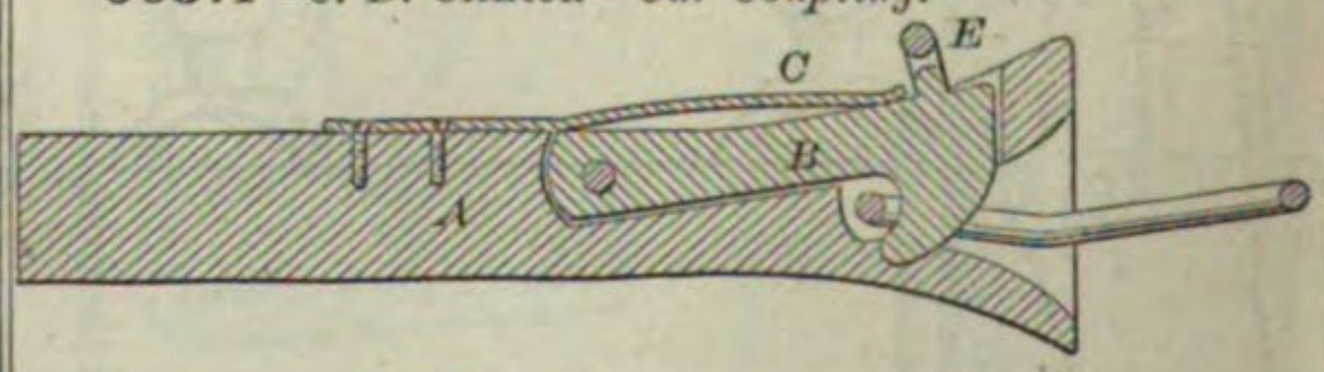
Fig. 4



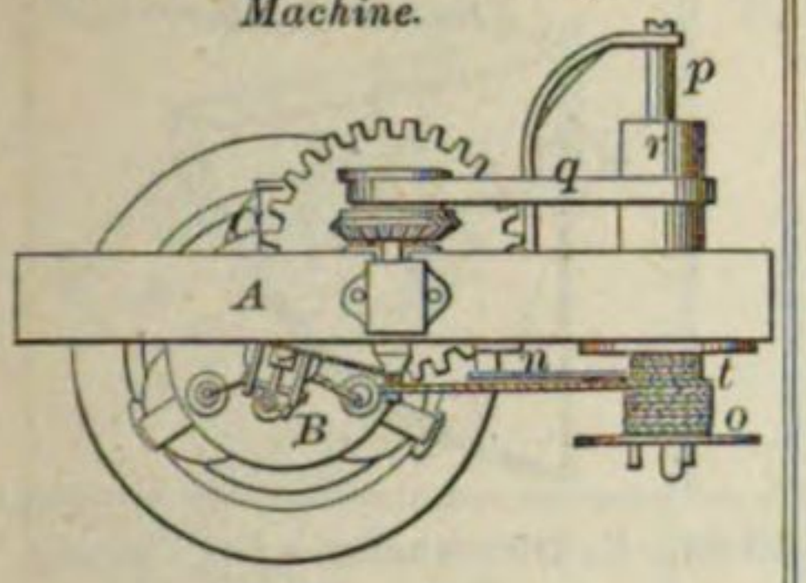
56370—G. Clark, Jr.—*Pea Shelling Machine.*



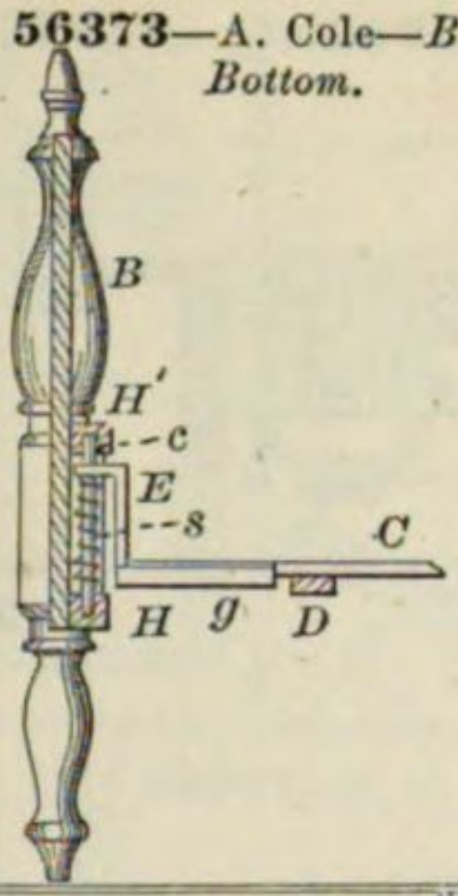
56371—C. D. Clinton—*Car Coupling.*



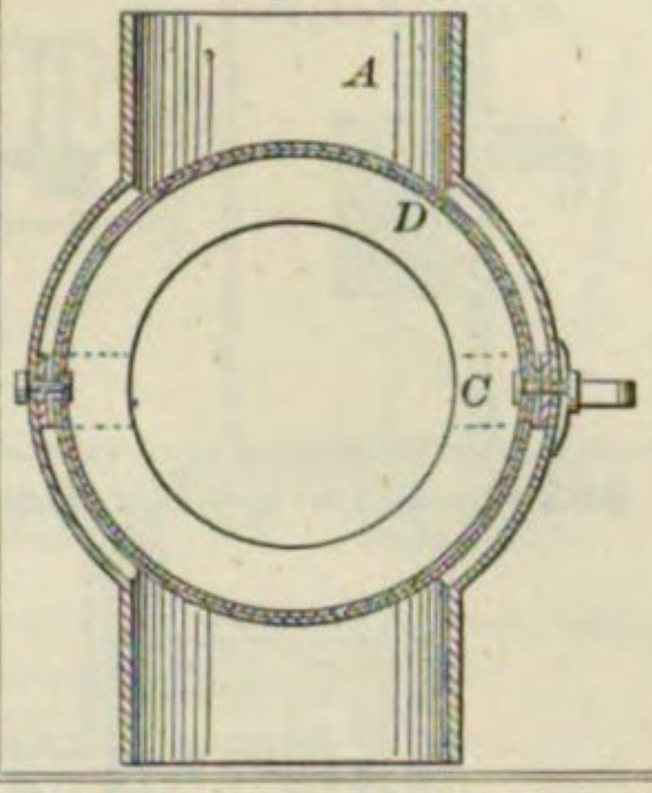
56372—C. Cobb—*Cordage Machine.*



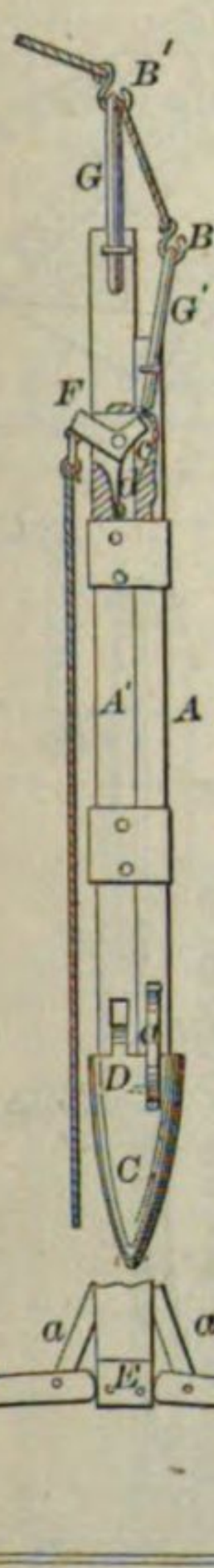
56373—A. Cole—*Bed Bottom.*



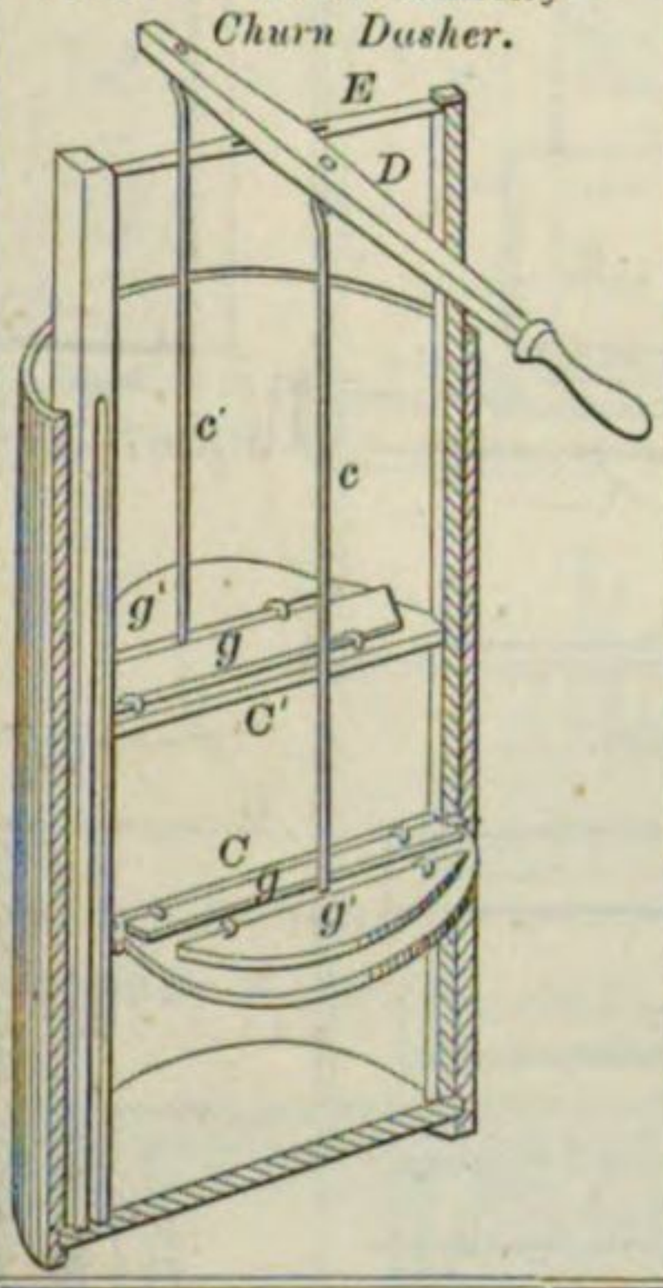
56379—B. F. Cowan—*Stove Pipe Damper.*



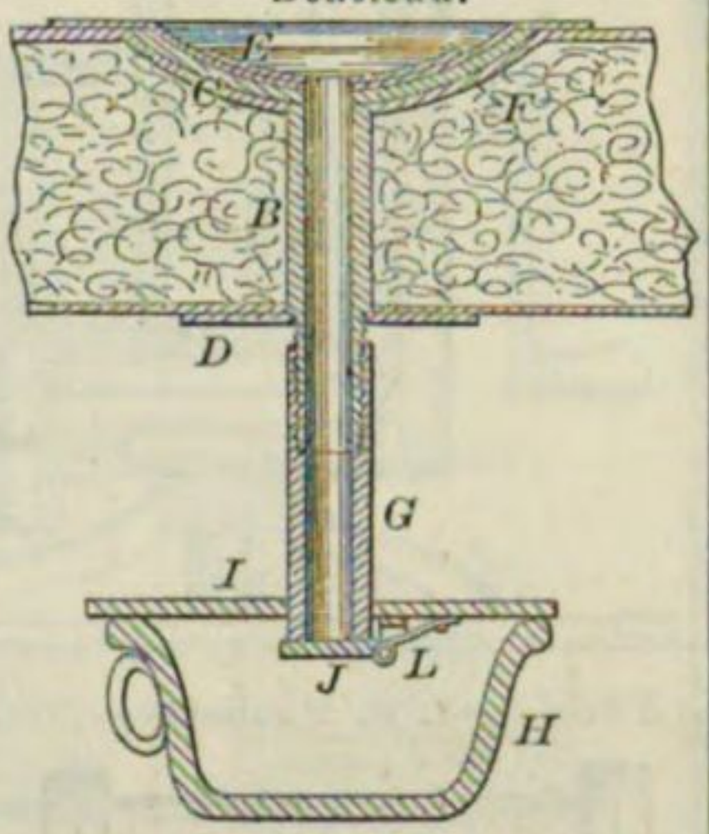
56375—A. J. Cooley—*Horse Hay Fork.*



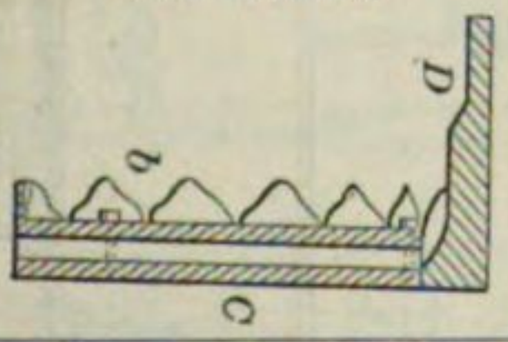
56374—E. G. Connelly—*Churn Dasher.*



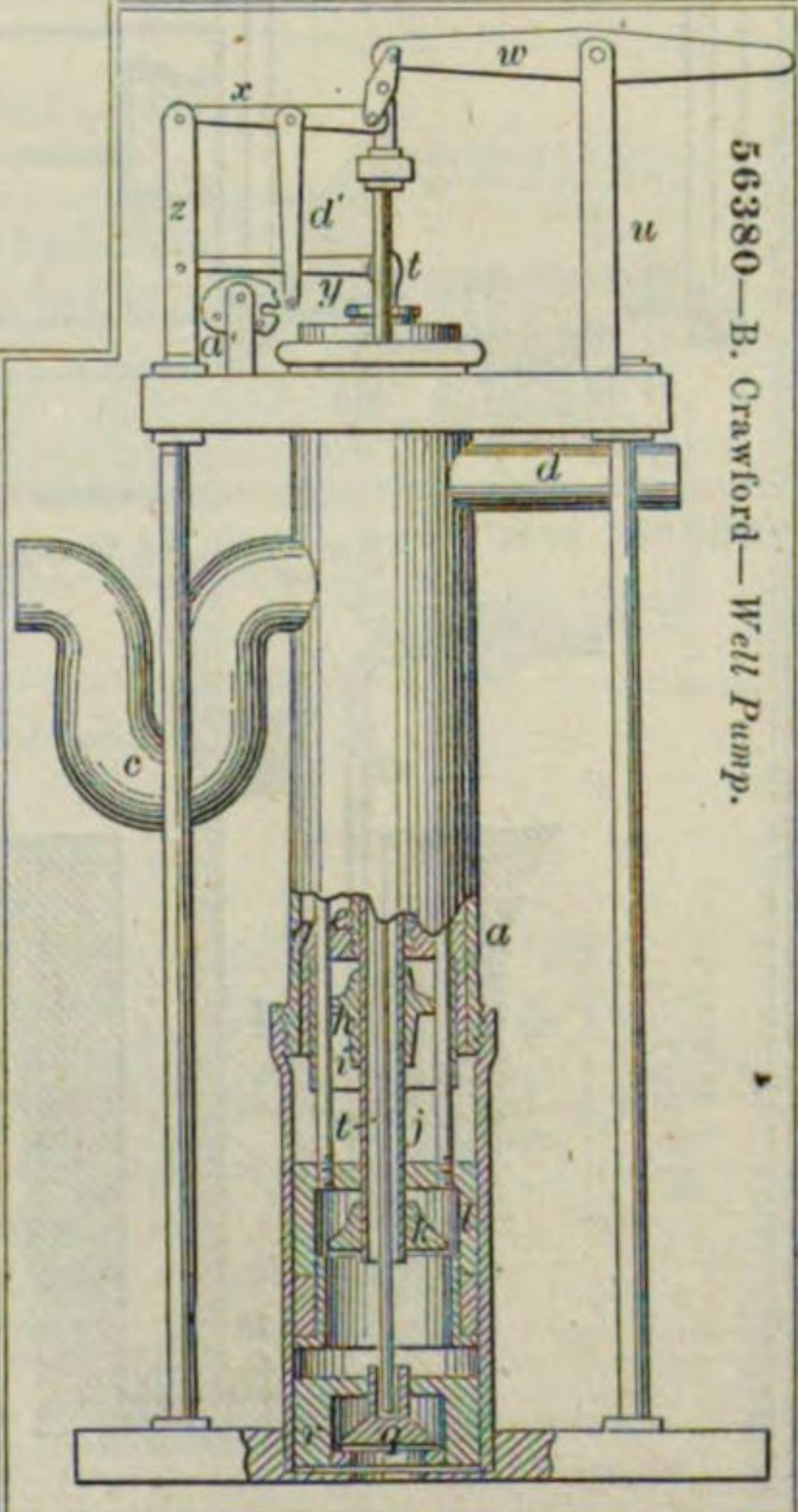
56376—H. Cordes—*Invalid Bedstead.*



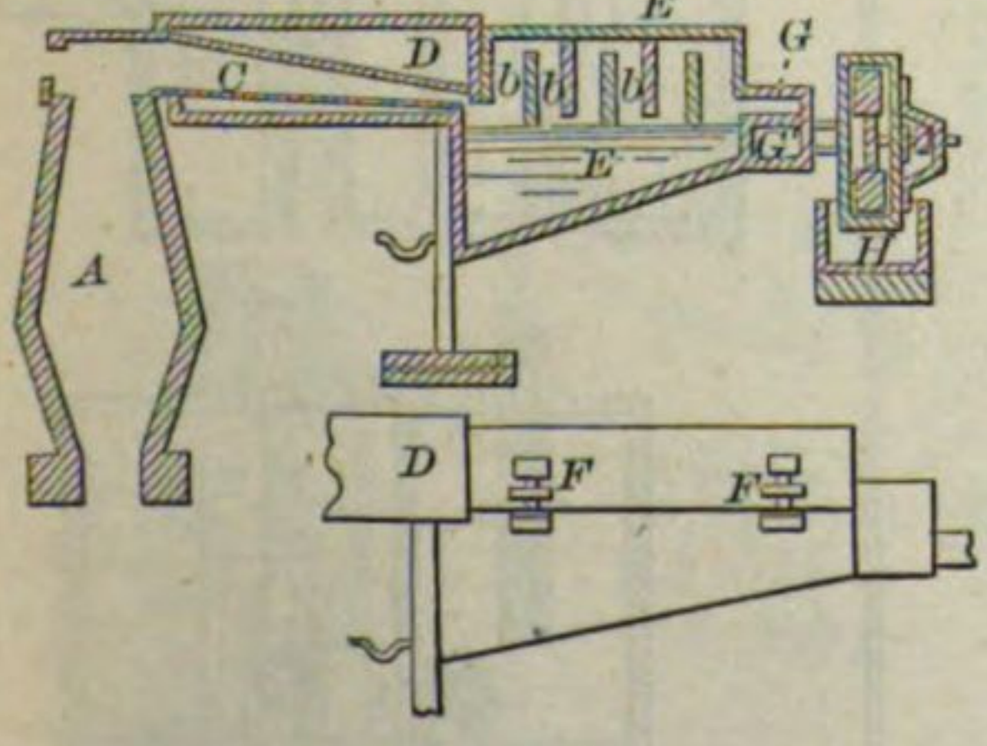
56377—F. T. Cordis—*Tool Holder.*



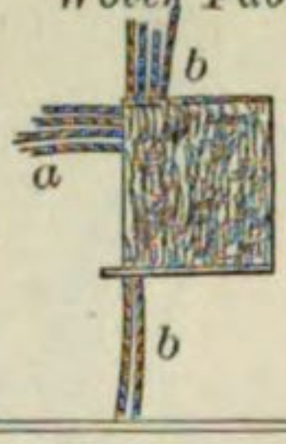
56380—B. Crawford—*Well Pump.*



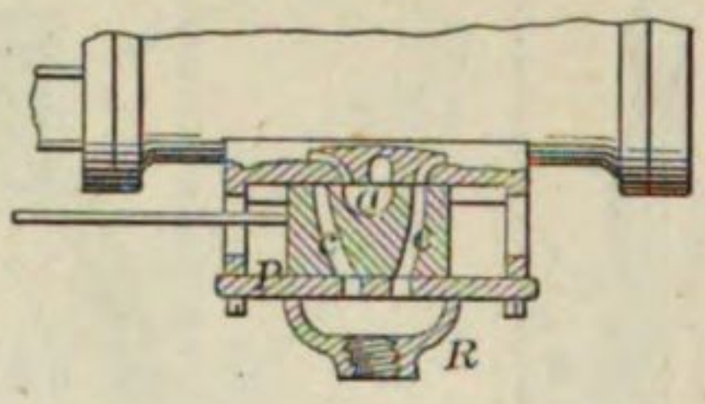
56378—Coult & Roach—*For Treating Ores.*



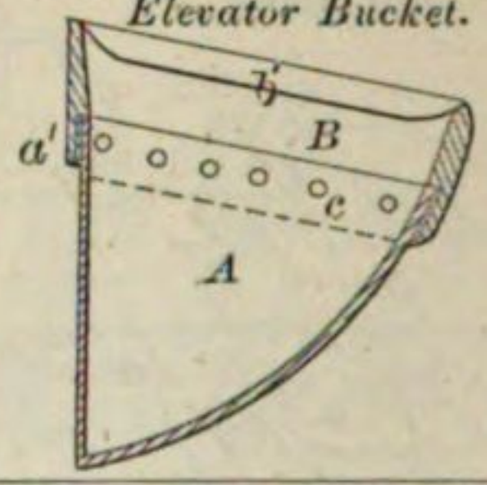
56381—G Crompton
Woven Fabric.



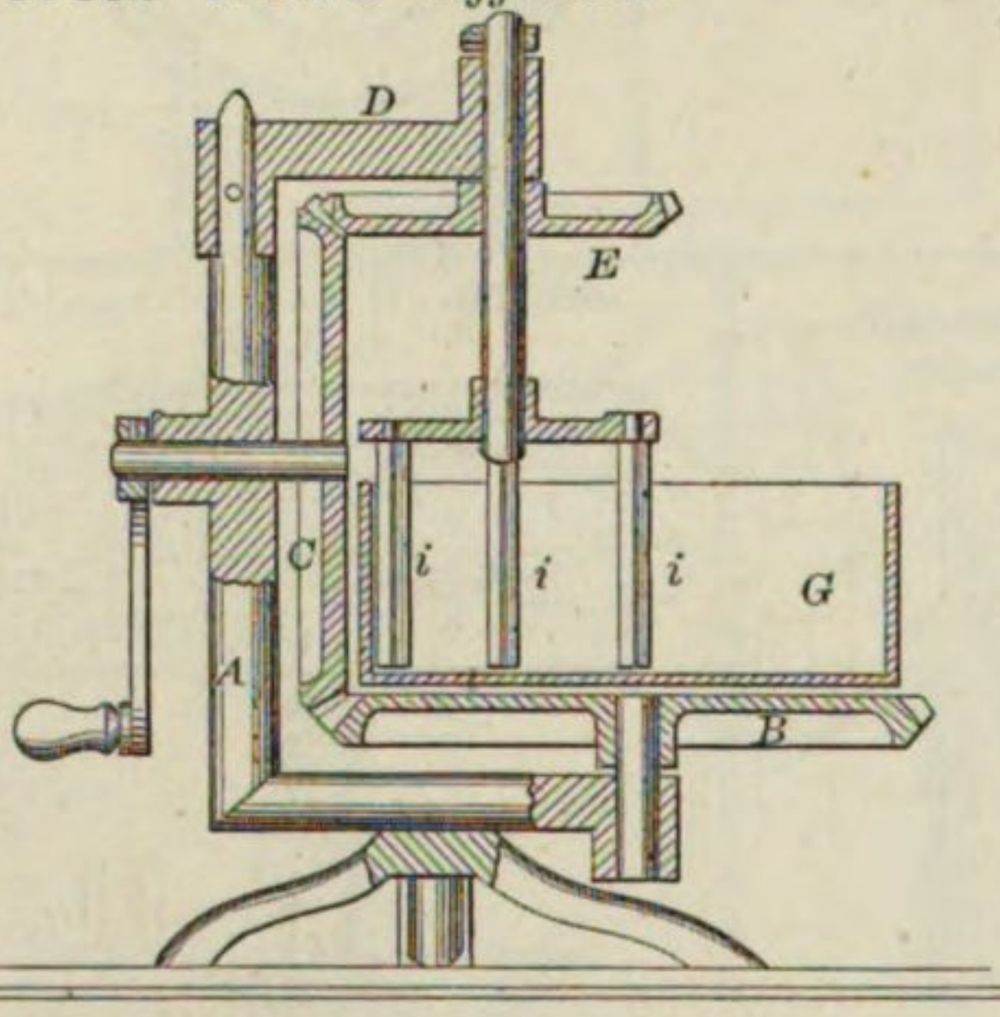
56385—J. B. Douherty—*Slide Valve.*



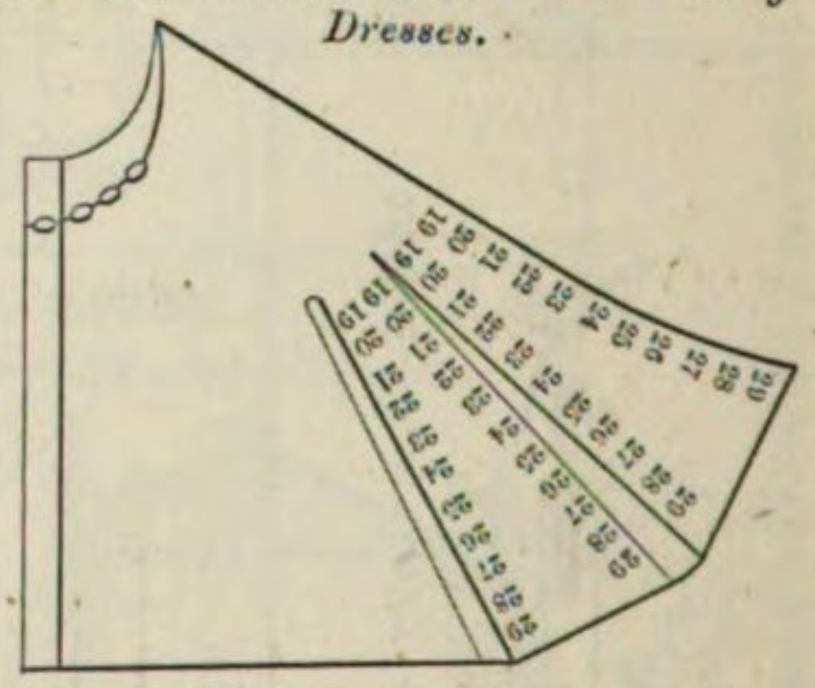
56386—Dorer & Storms—
Elevator Bucket.



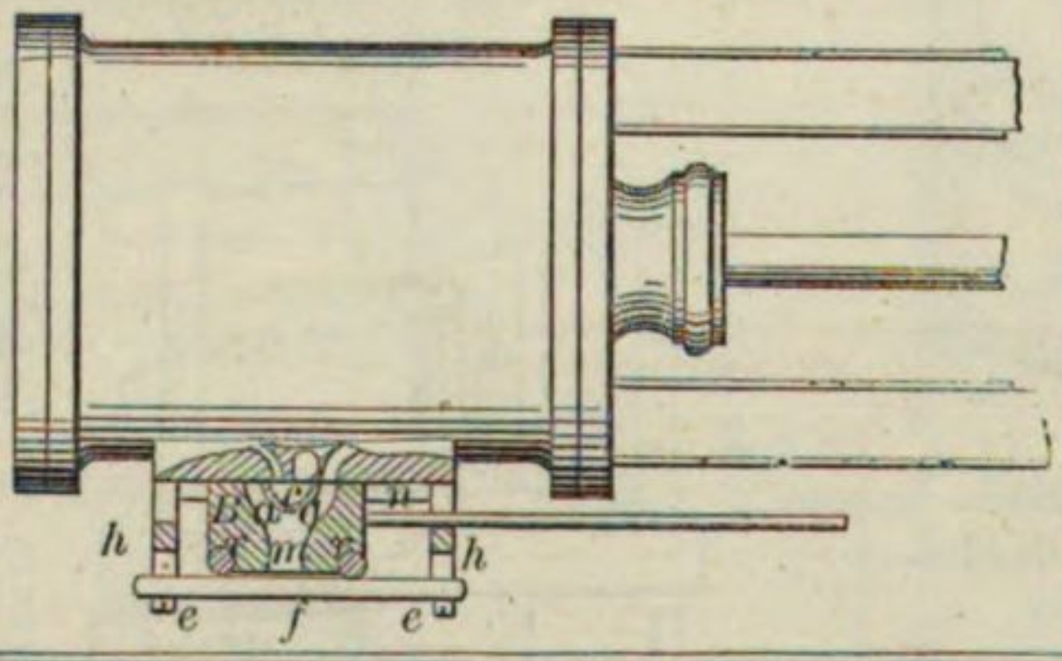
56382—J. Davis—*Egg Beater.*



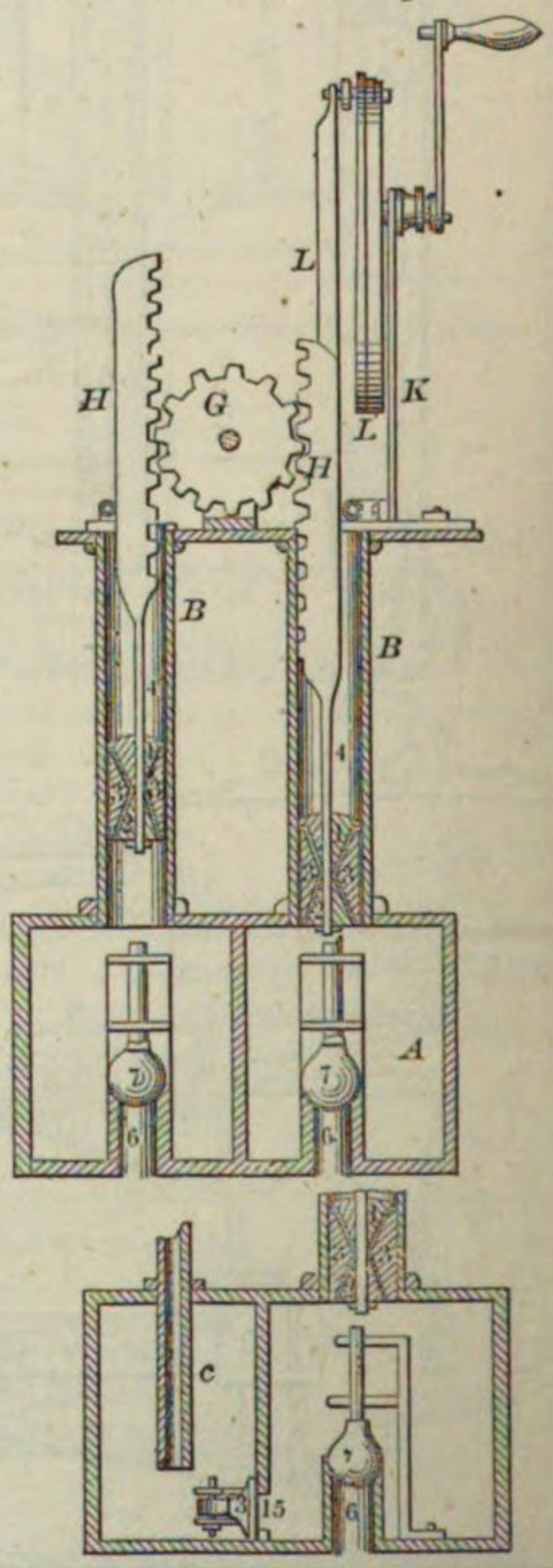
56383—C. Dittenhafer—*For Cutting Dresses.*



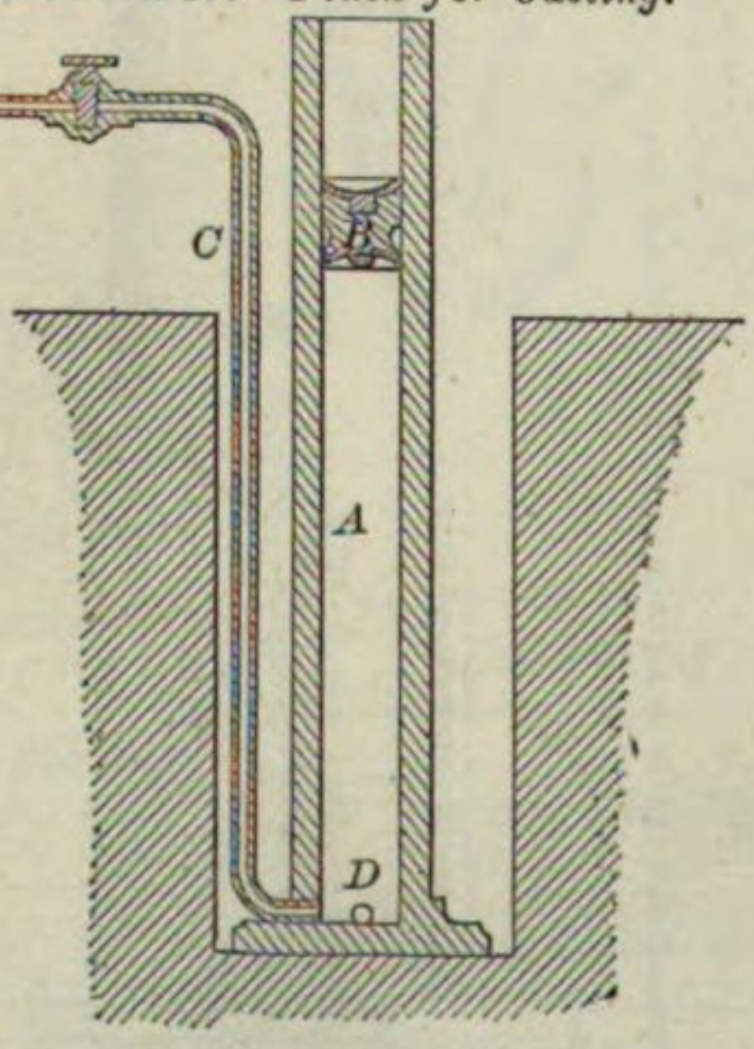
56384—J. B. Douherty—*Slide Valve.*



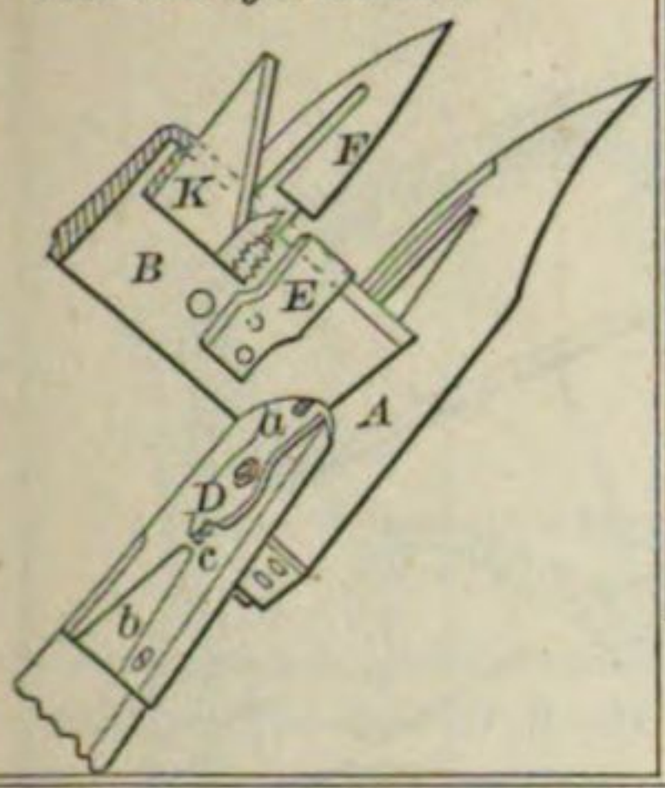
56387—S. S. Durbon—*Pump.*



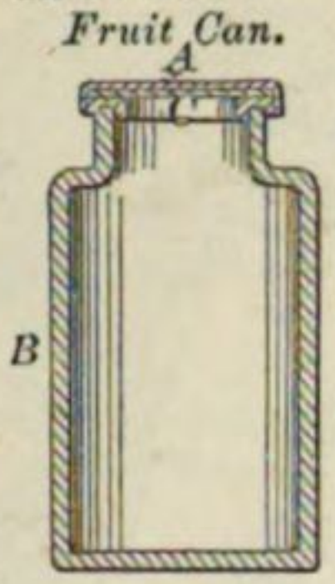
56388—Z. S. Durfee—*Flask for Casting.*



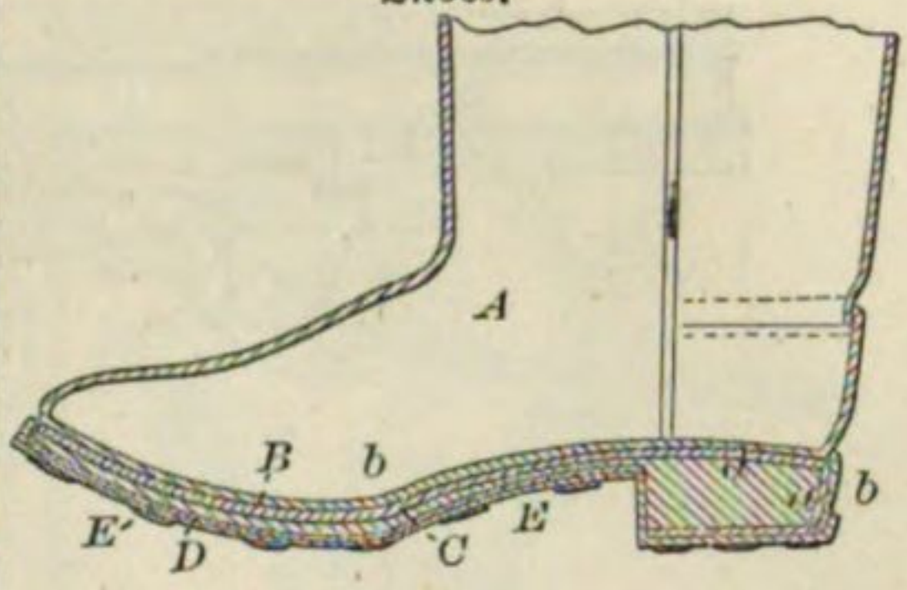
56389—R. Dutton—*Harvesting Machine.*



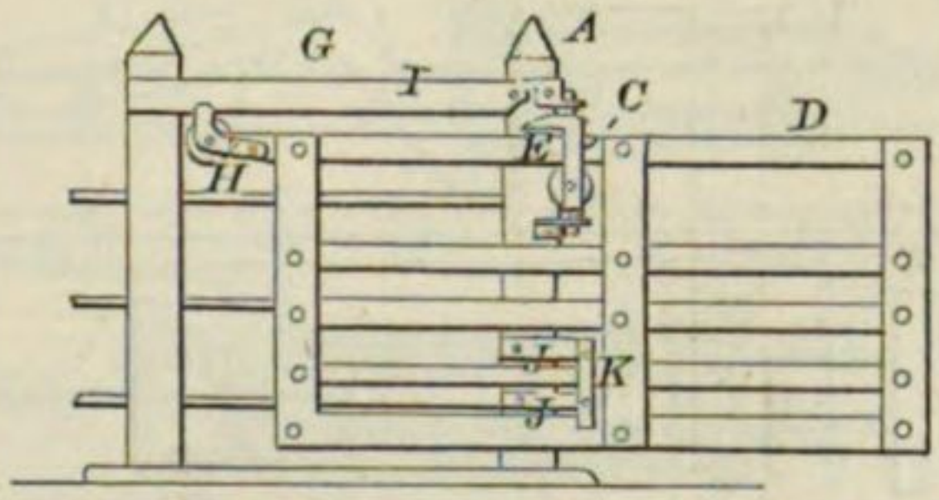
56390—R. F. Ellis—*Fruit Can.*



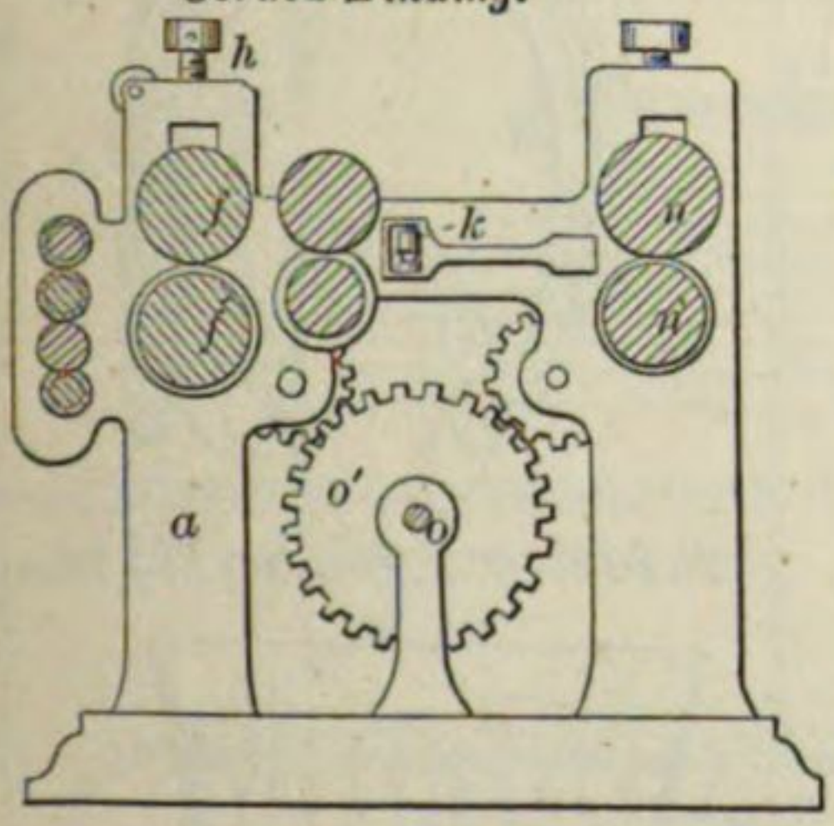
56391—M R. Ethridge—*Boots and Shoes.*



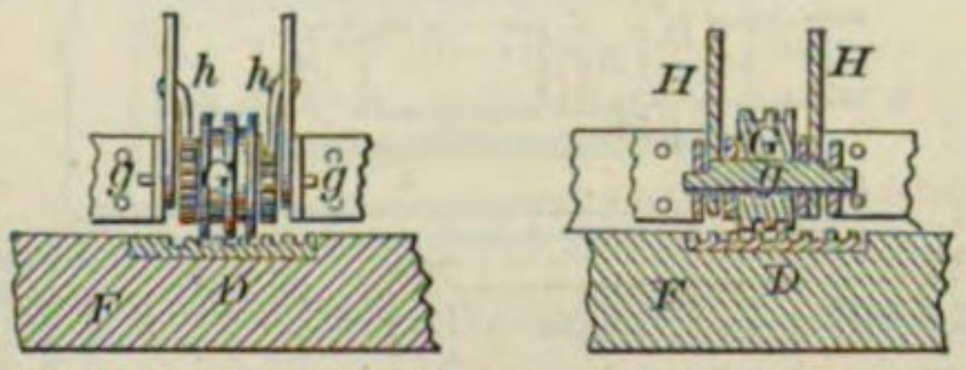
56392—S. F. Emerson—*Gate.*



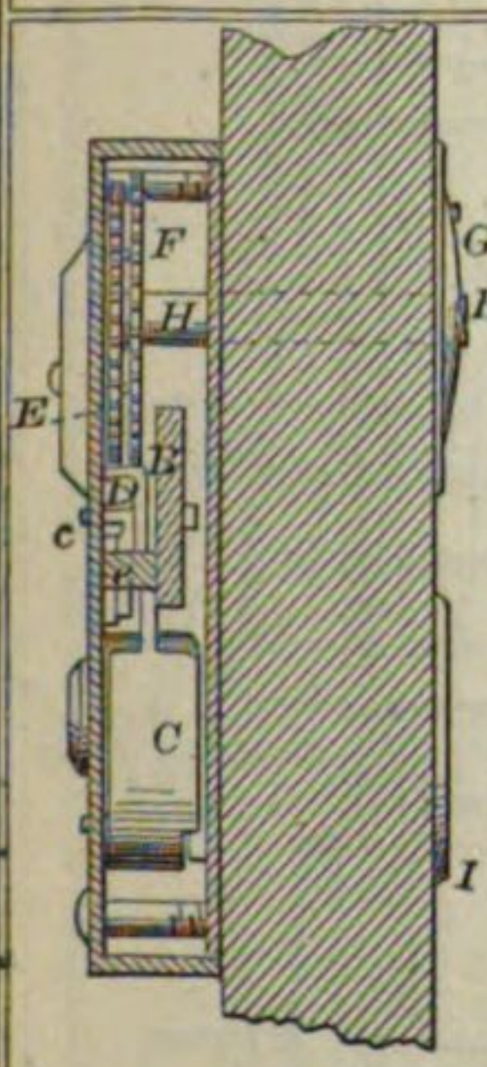
56393—C. A. Ensign—*For Making Corded Binding.*

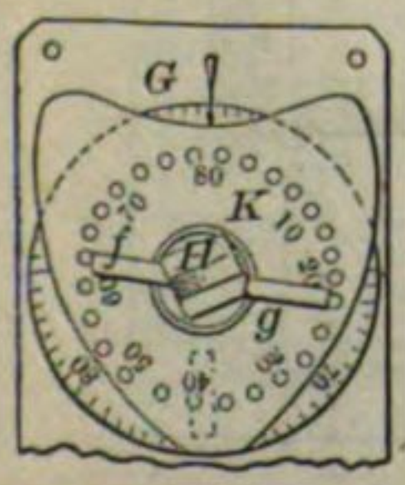


56395—J. H. Field—*Operating Ordnance.*

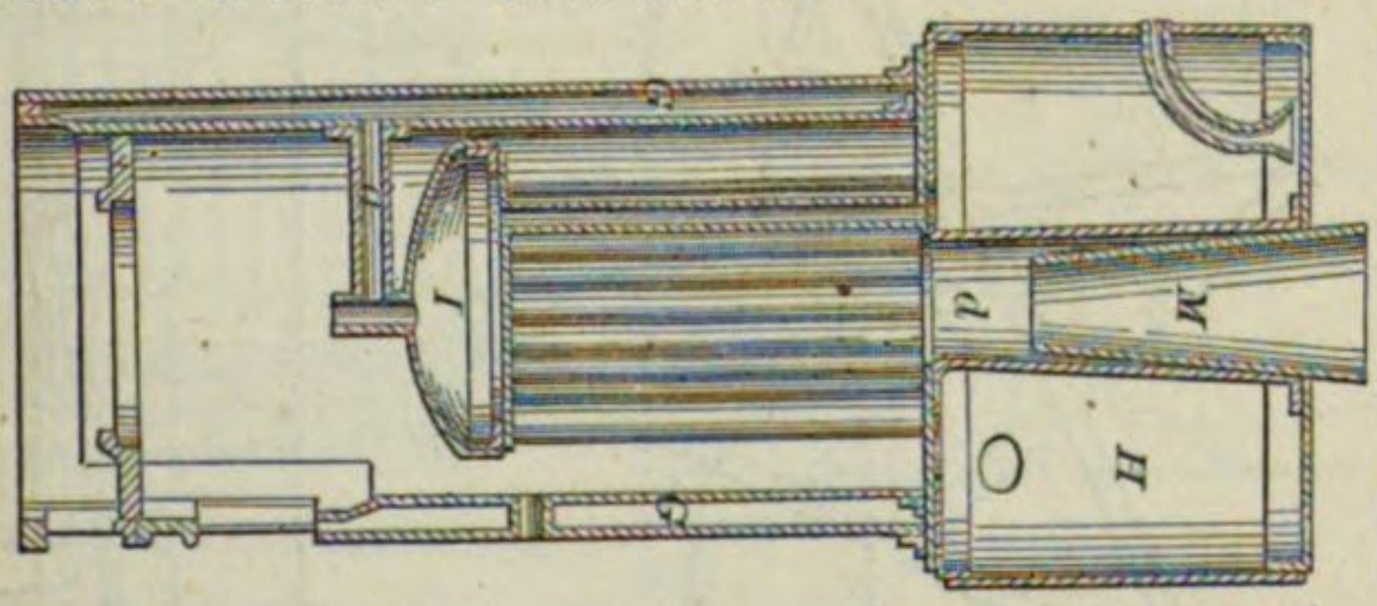


56394—P. S. Felter—*Lock.*

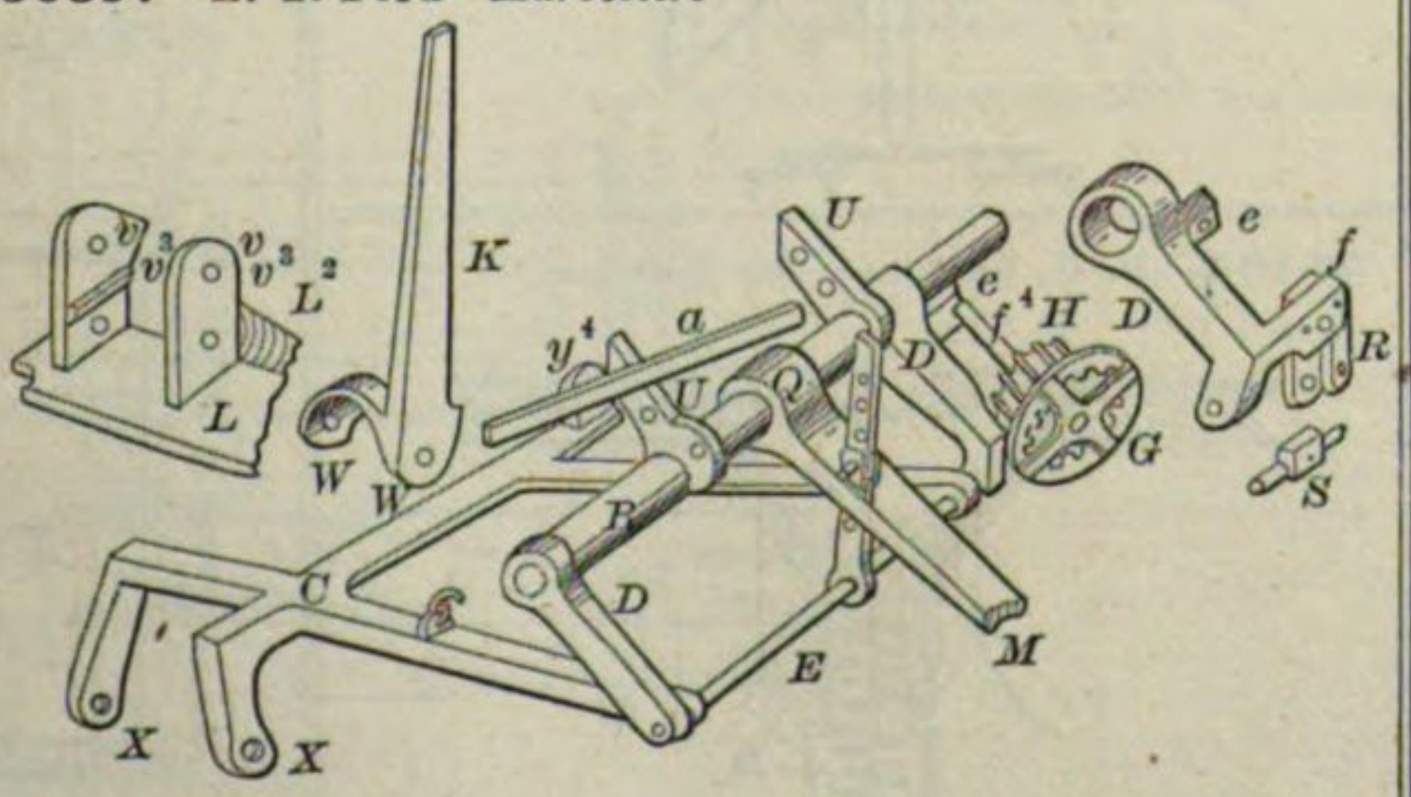




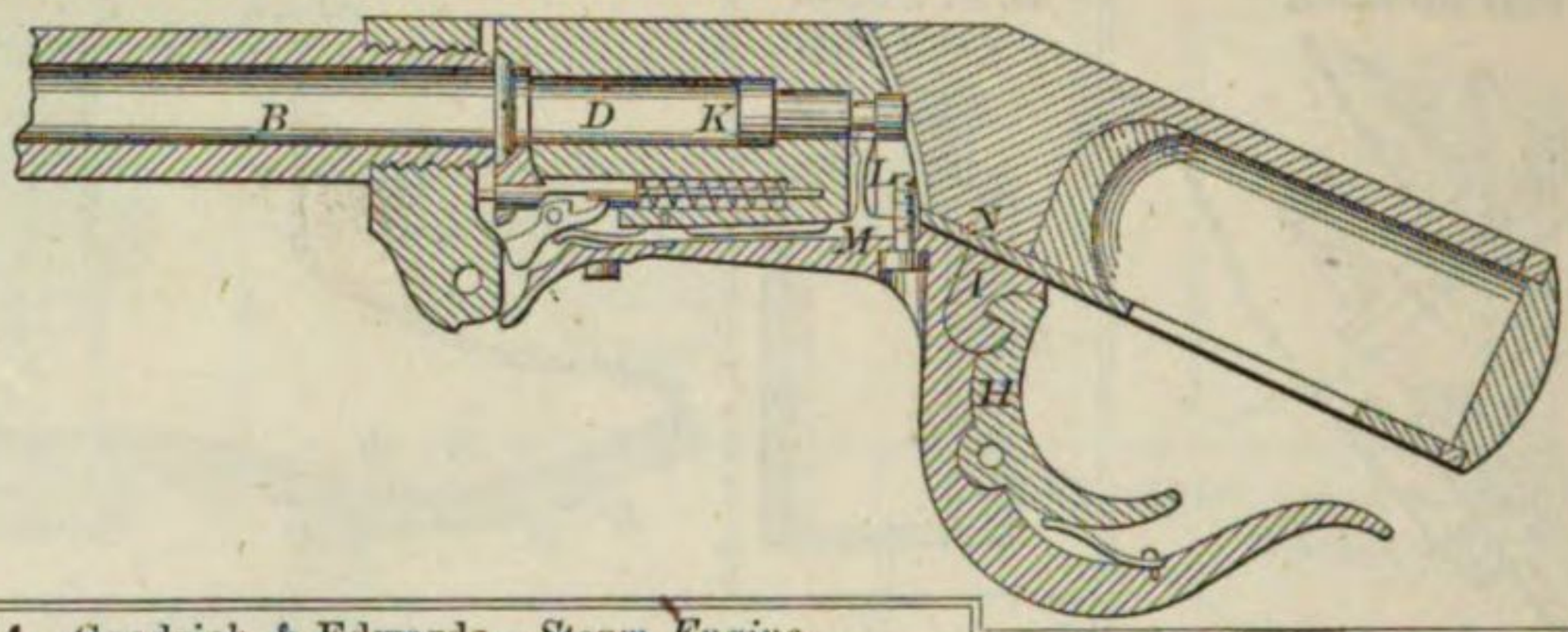
56396—M. Fletcher—*Steam Generator.*



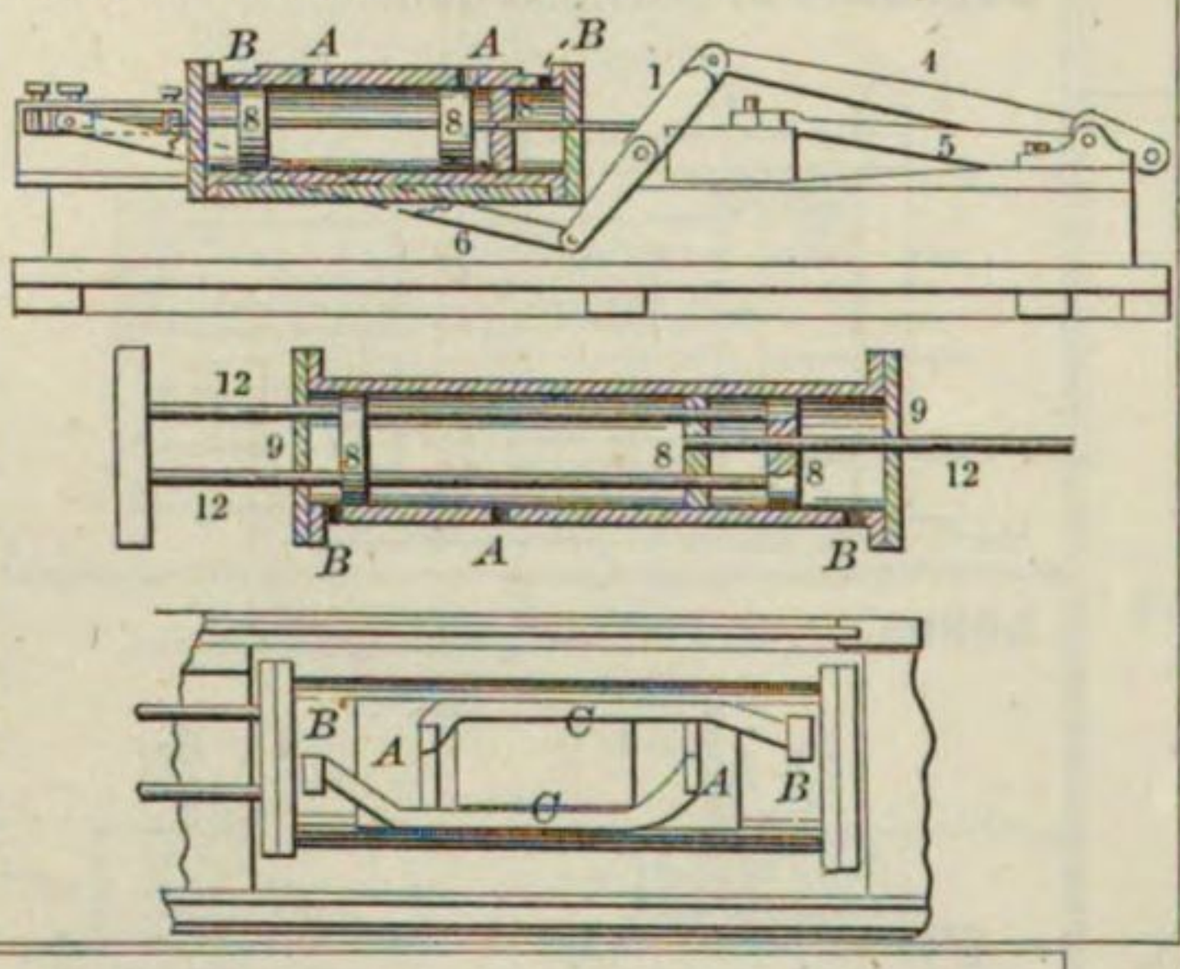
56397—E. T. Ford—*Harvester.*



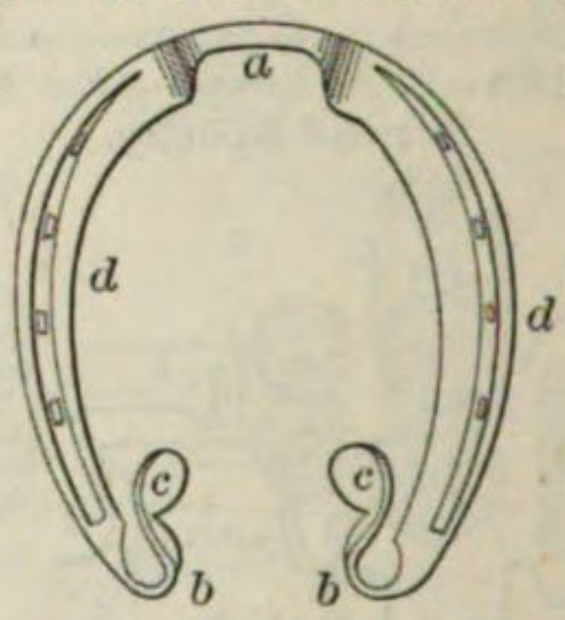
56399—G. P. & G. F. Foster—*Fire Arm.*



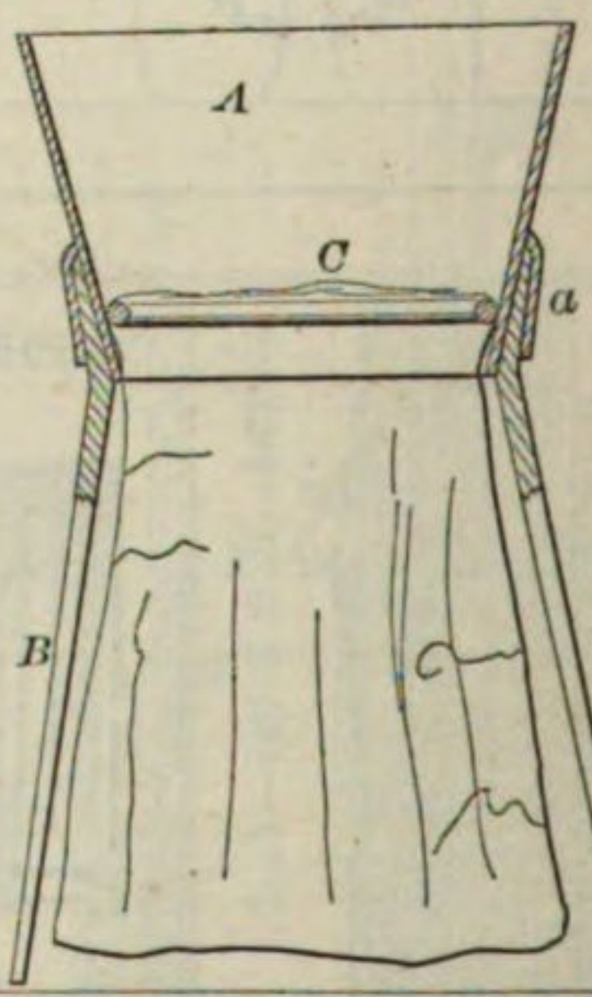
56404—Goodrich & Edwards—*Steam Engine.*



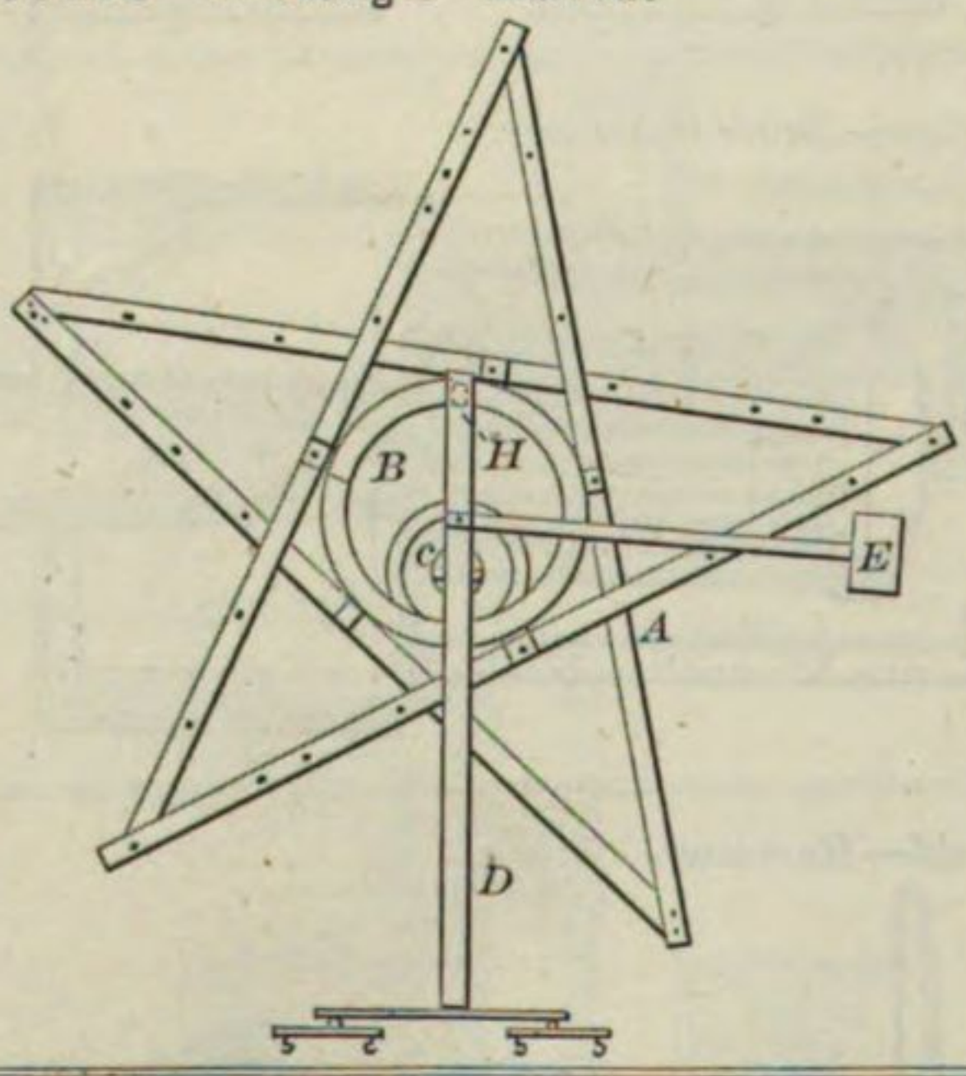
56401—E. C. Gero—*Horse Shoe.*



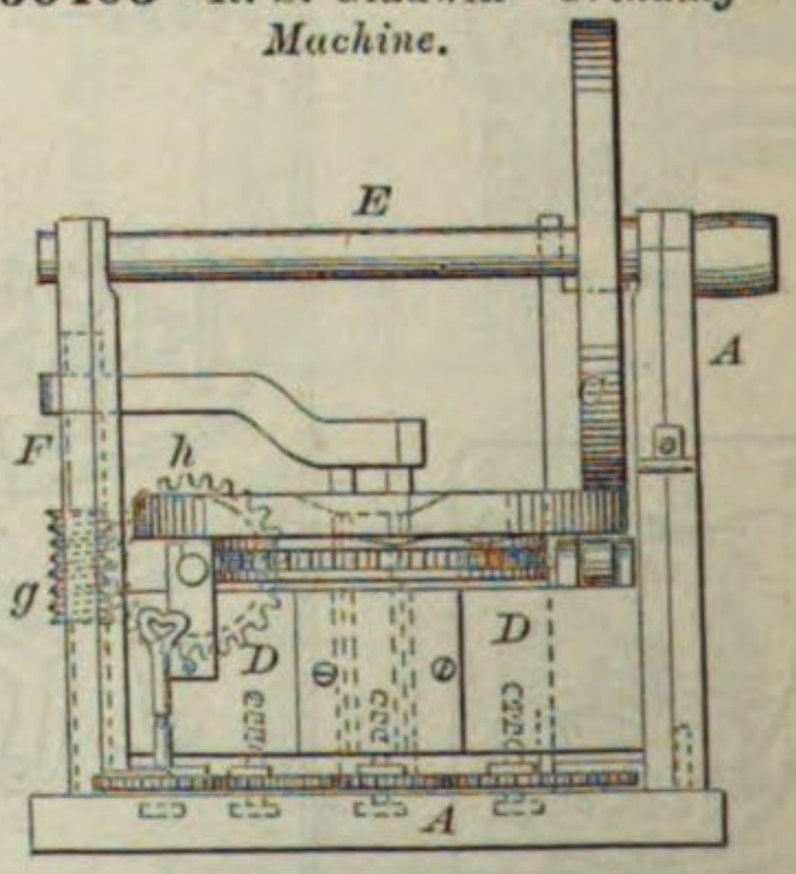
56402—C. F. Gillett—*Bag Holder.*



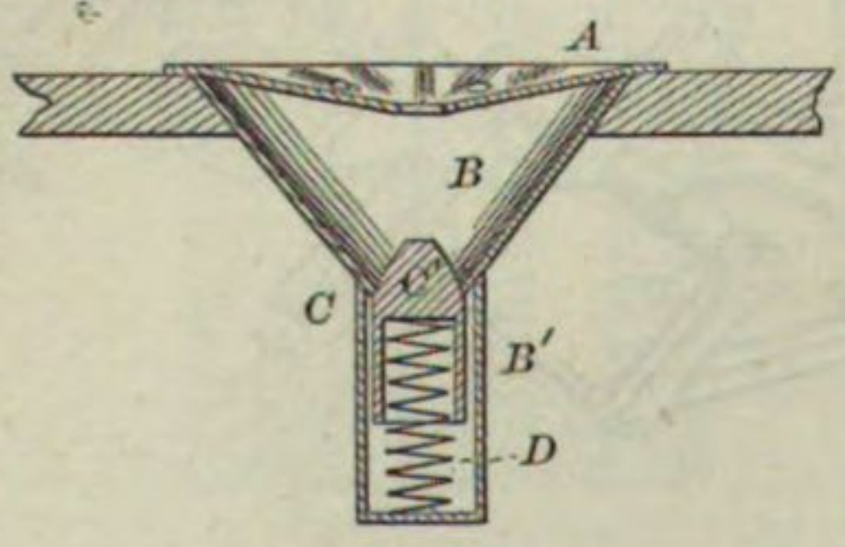
56405—F. Granger—*Harrow.*



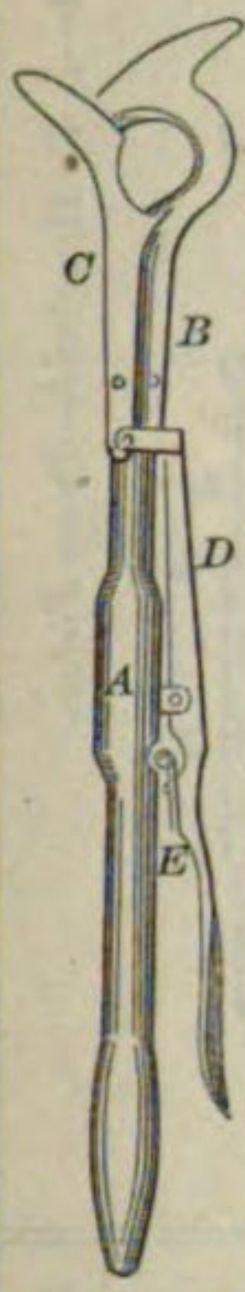
56403—R. S. Gladwin—*Grinding Machine.*



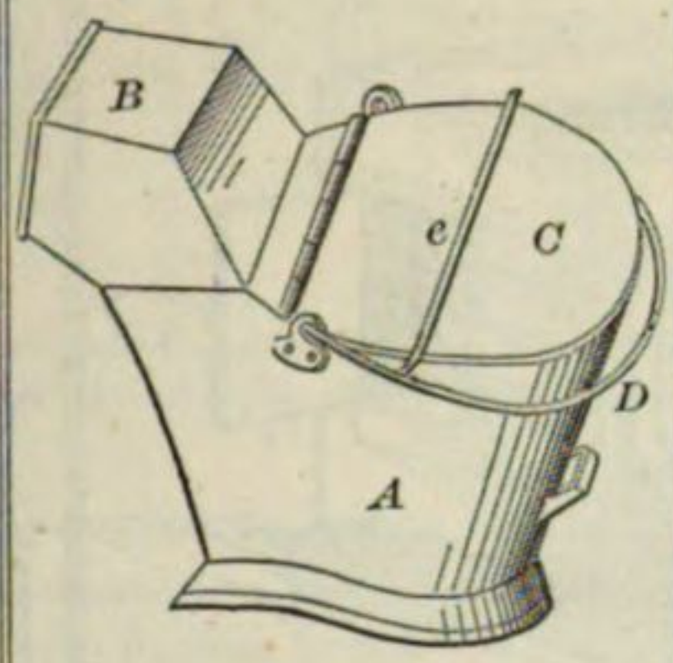
56400—F. H. Furniss—*Car Spittoon.*



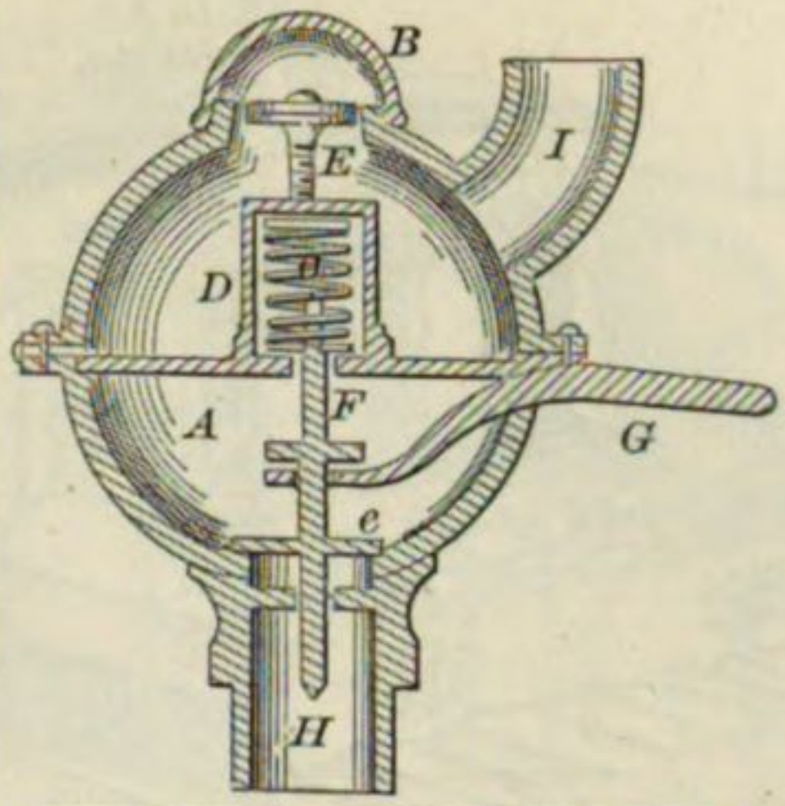
56406—J. Guckian—*For Stripping and Cutting Sorghum.*



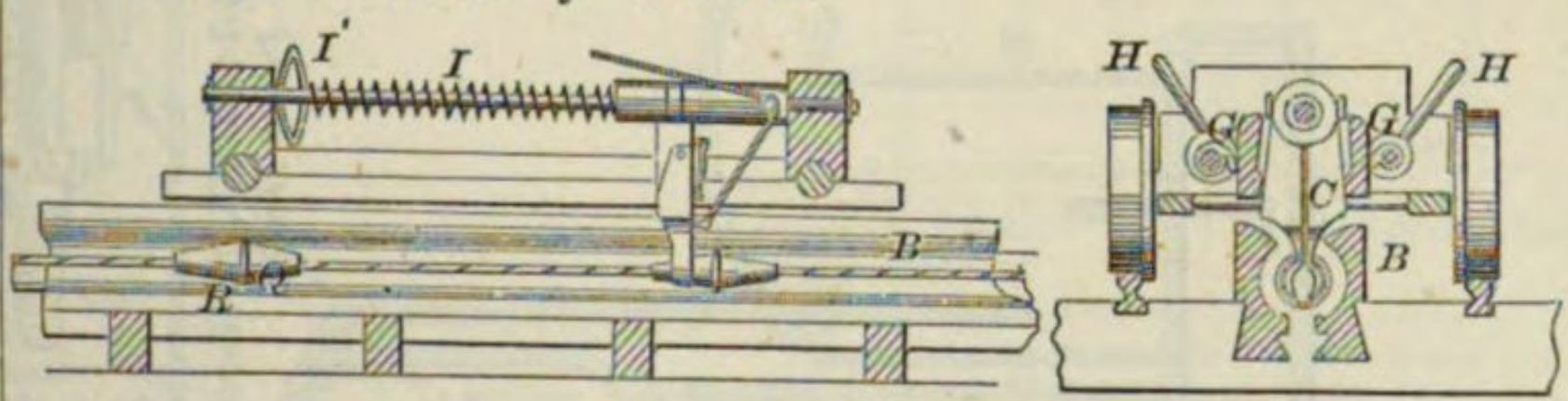
56408—E. R. Hall—*Coal Hod.*



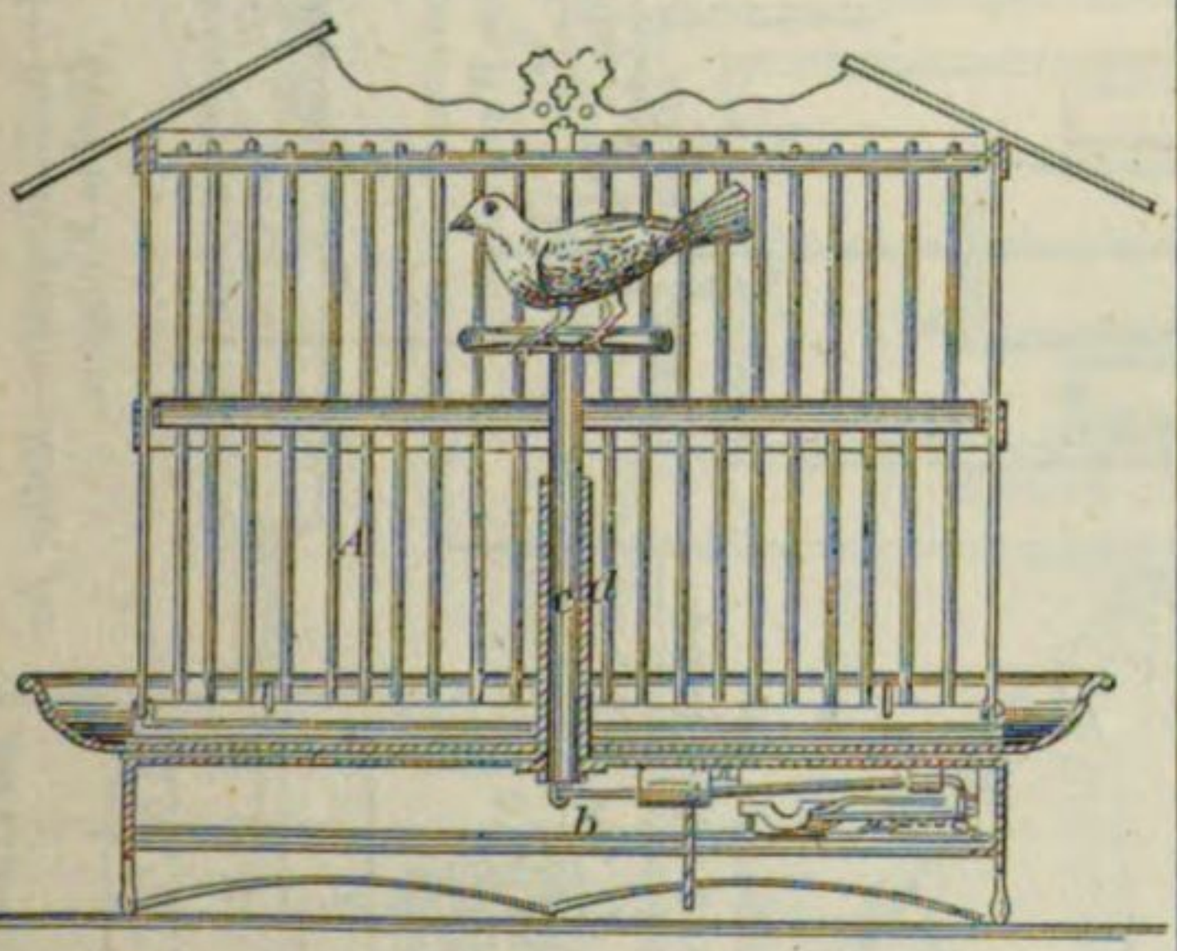
56409—E. Hamilton—*Safety Valve.*



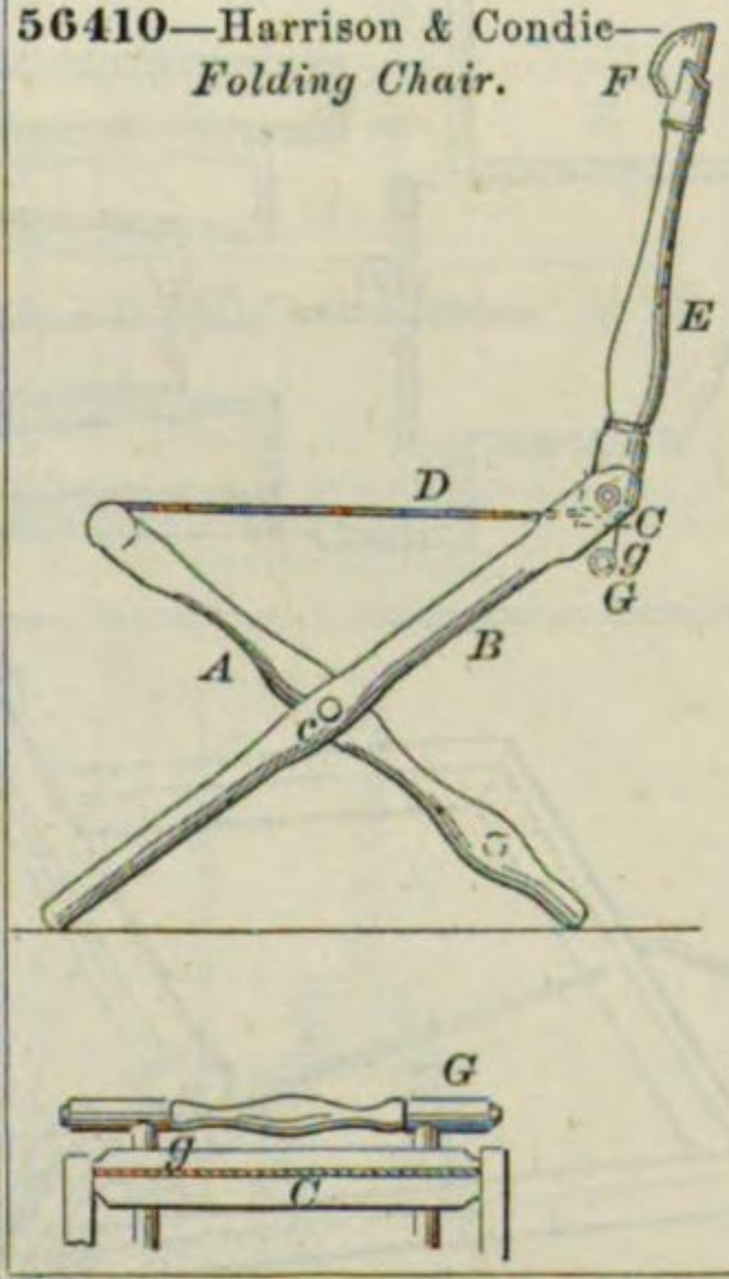
56411—C. T. Harvey—*Railroad.*



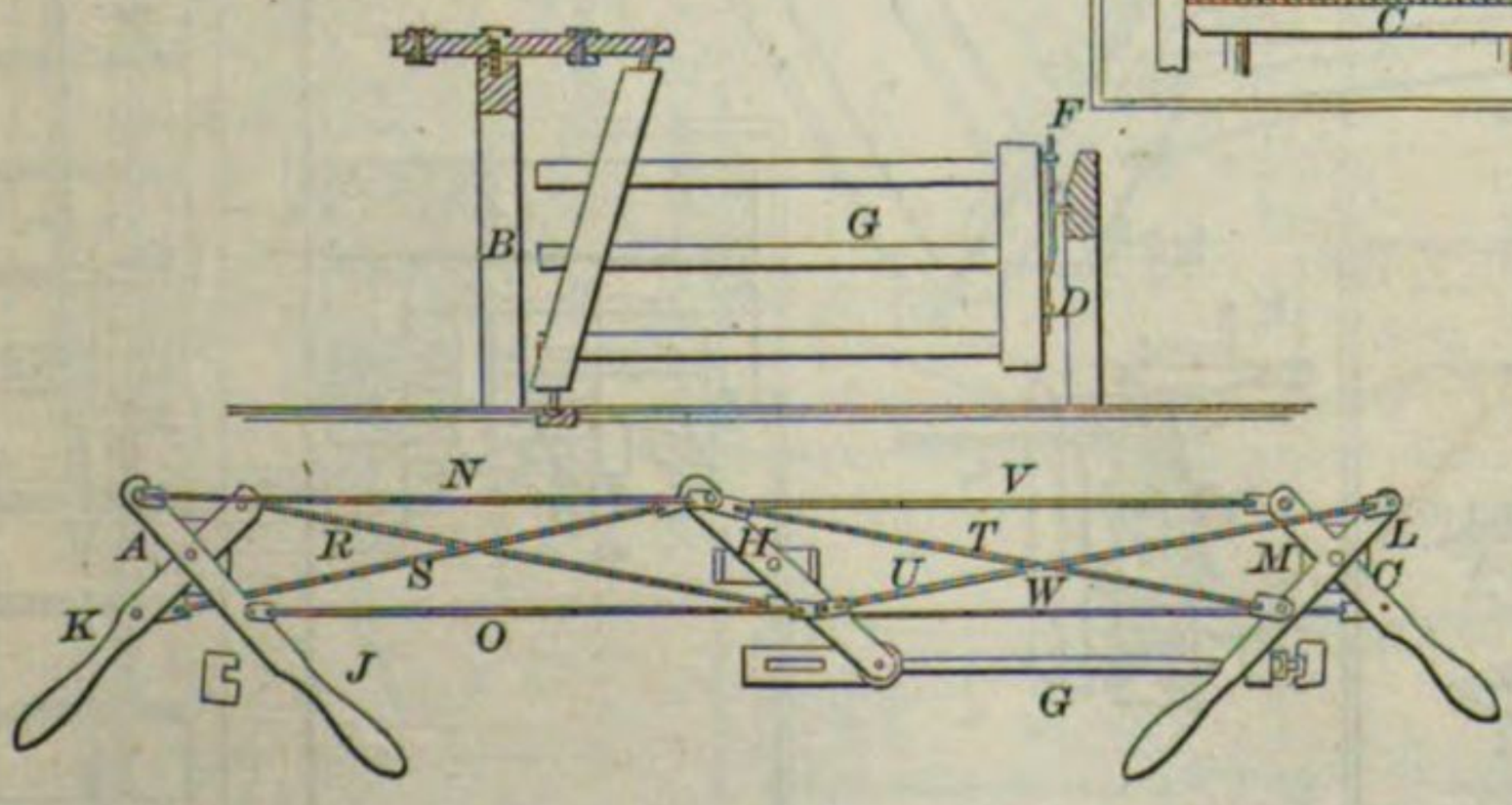
56407—G. Gunther—*Bird Cage.*



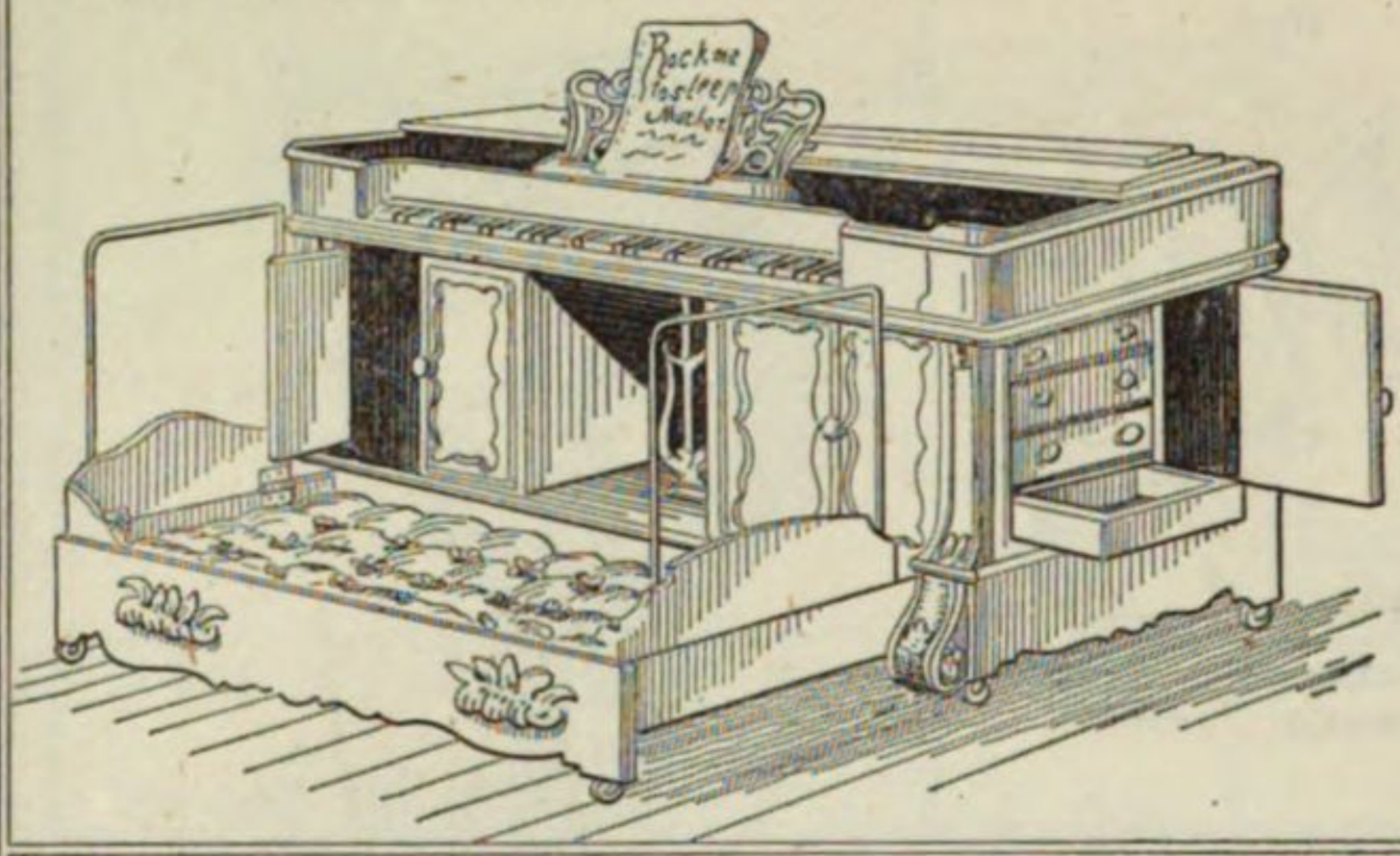
56410—Harrison & Condie—*Folding Chair.*



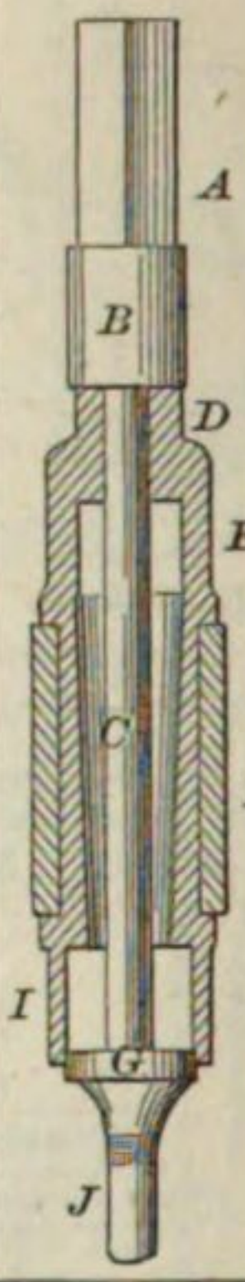
56412—Hawley & Murdock—*Gate.*



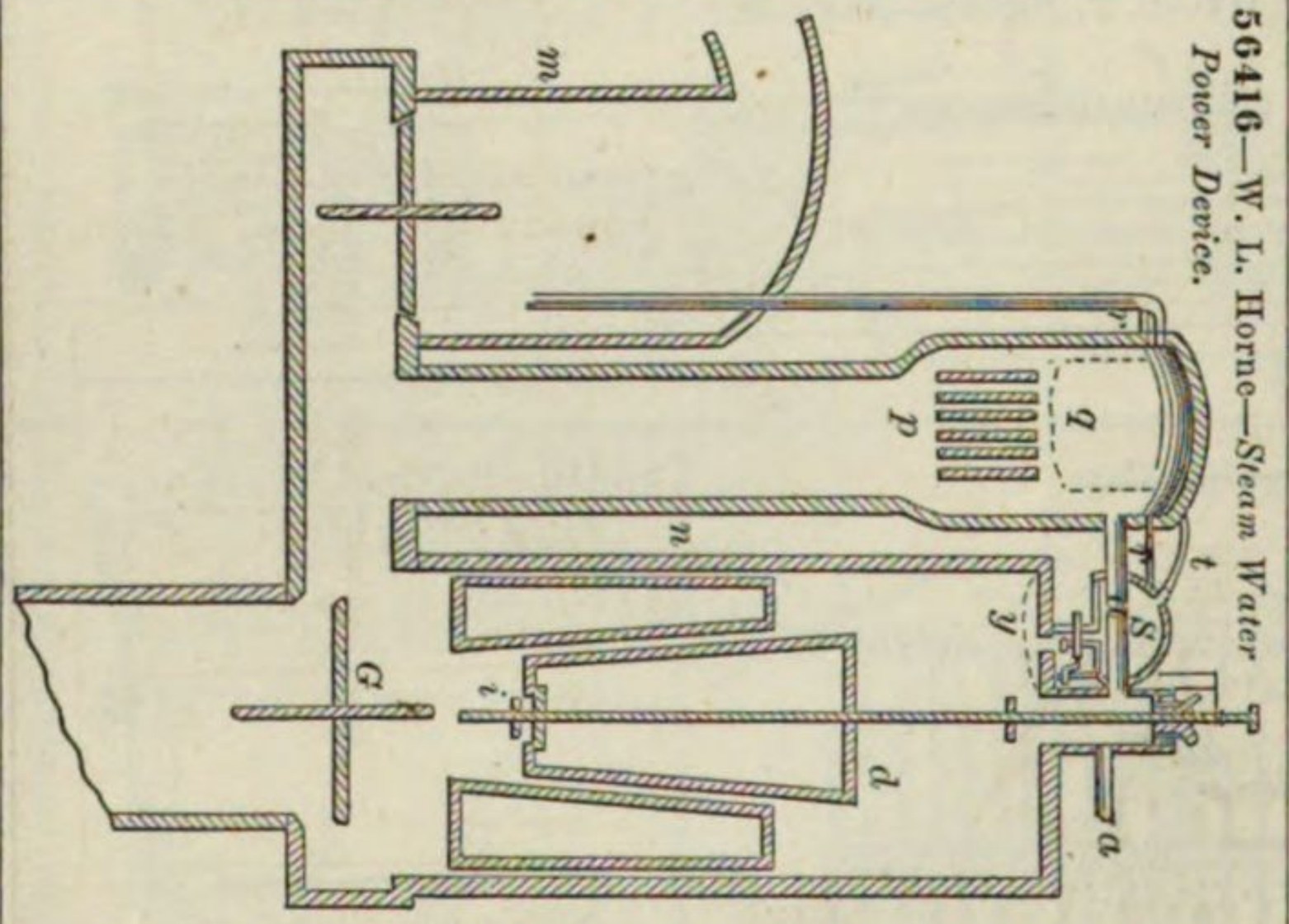
56413—C. Hess—*Piano, Couch and Bureau.*



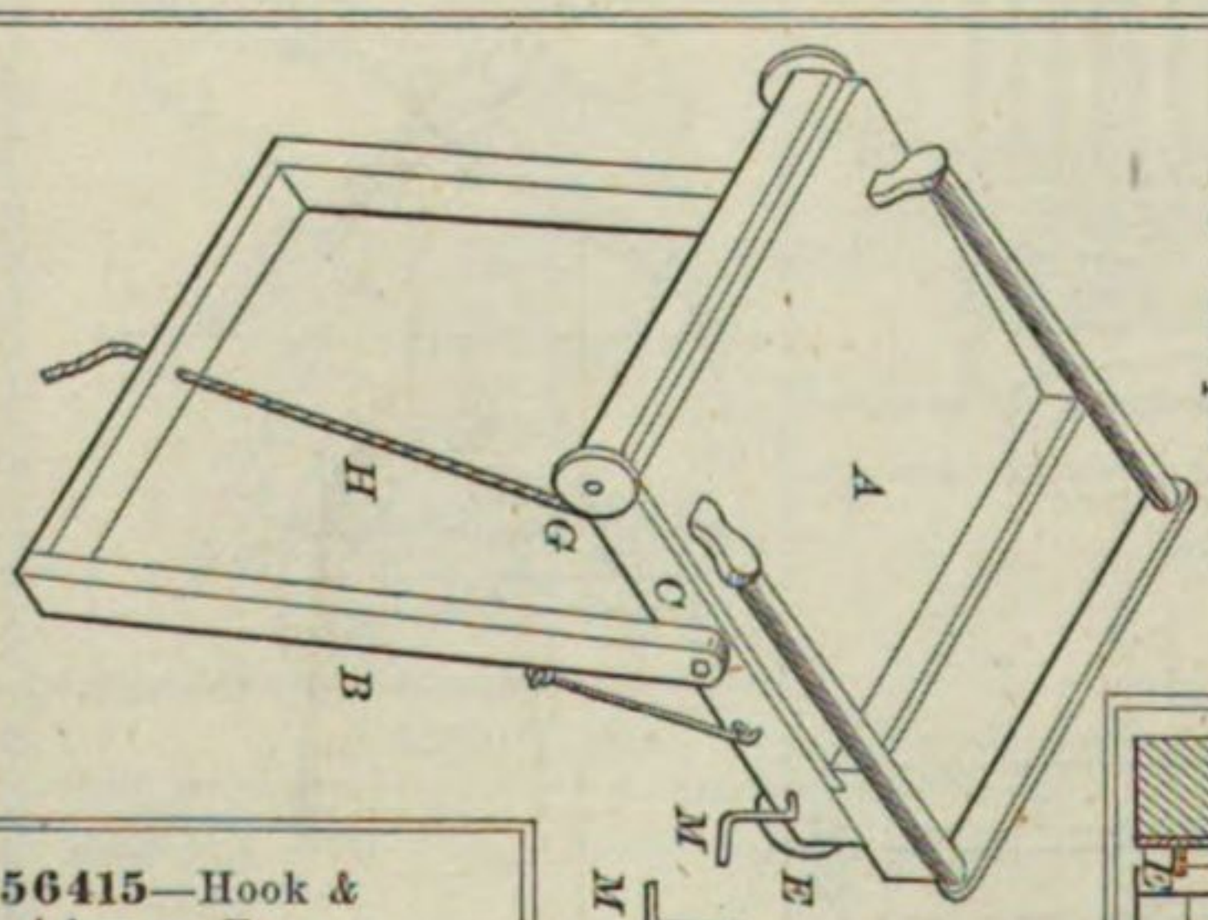
56414—I. W. Hoagland—*Pump Piston.*



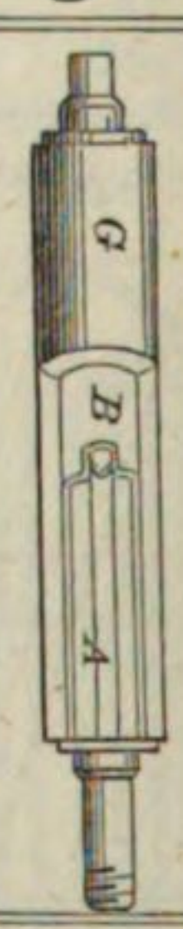
56416—W. L. Horne—*Steam Water Power Device.*



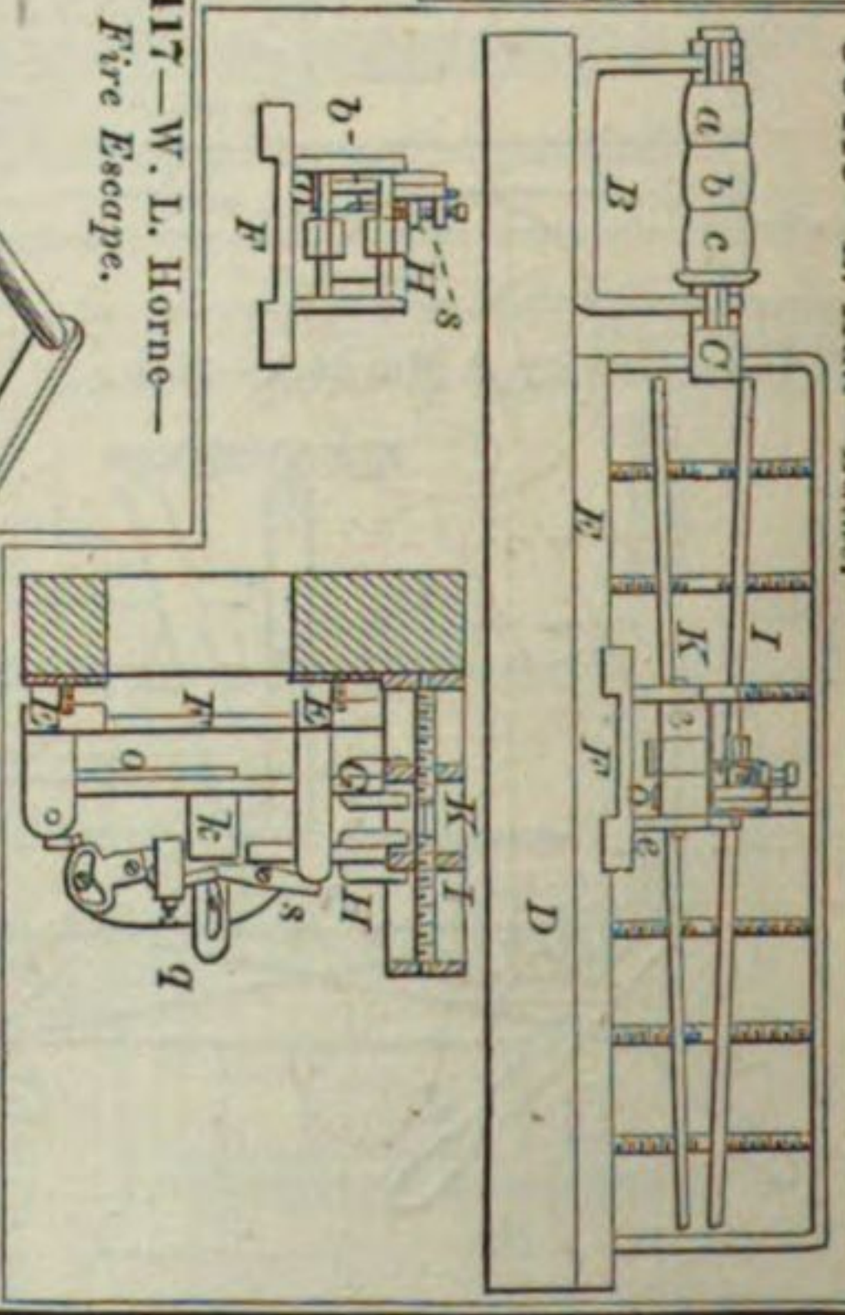
56417—W. L. Horne—*Fire Escape.*



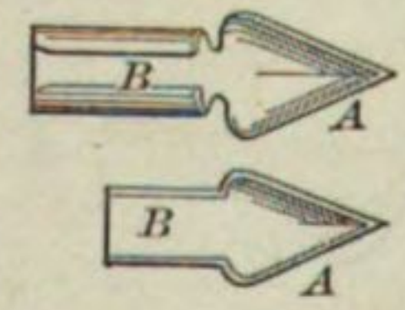
56418—R. B. Hugunin—*Roller for Clothes Wringers.*



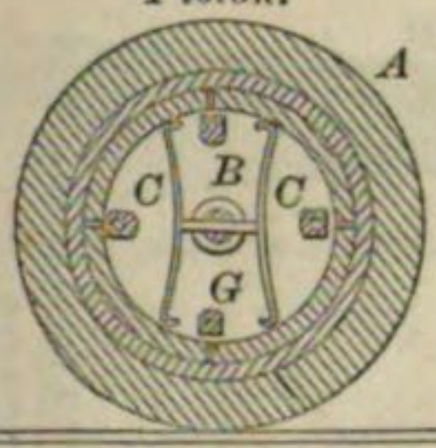
56419—L. Hull—*Lathe.*



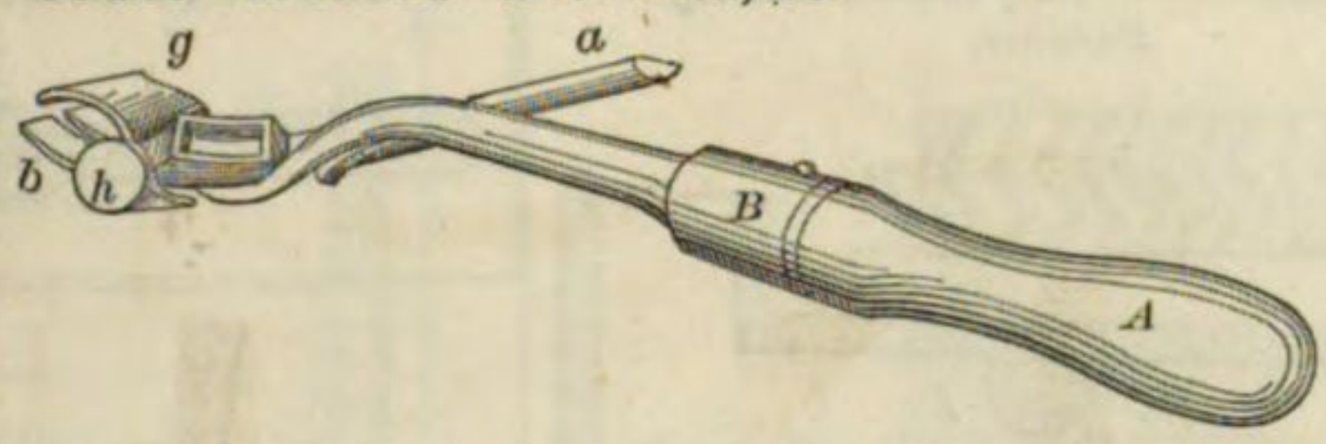
56415—Hook & Adams—*Eraser.*



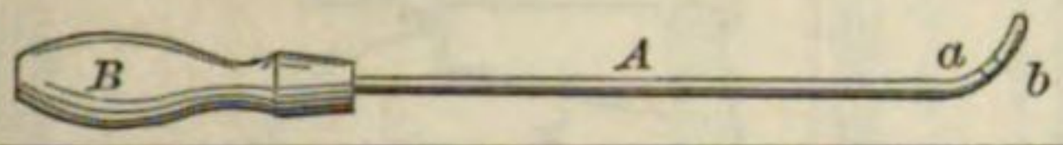
56420—L. Hunton—*Piston.*



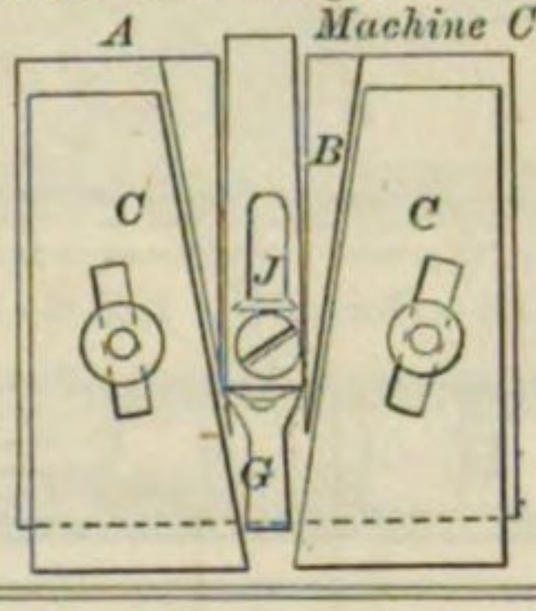
56423—T. C. Law—*Stove Hook, &c.*



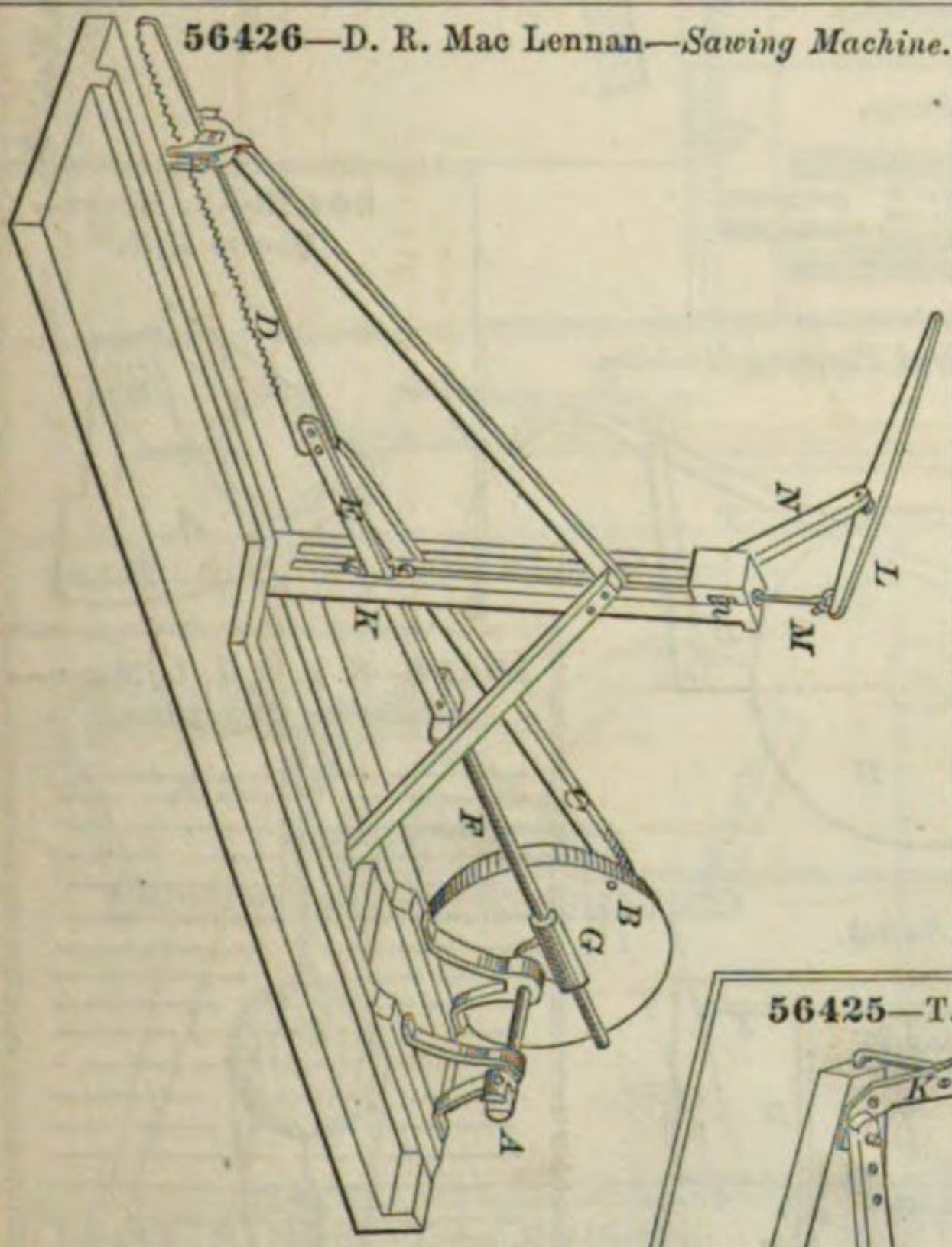
56421—M. E. Hurley—*Needle for Caning Chairs.*



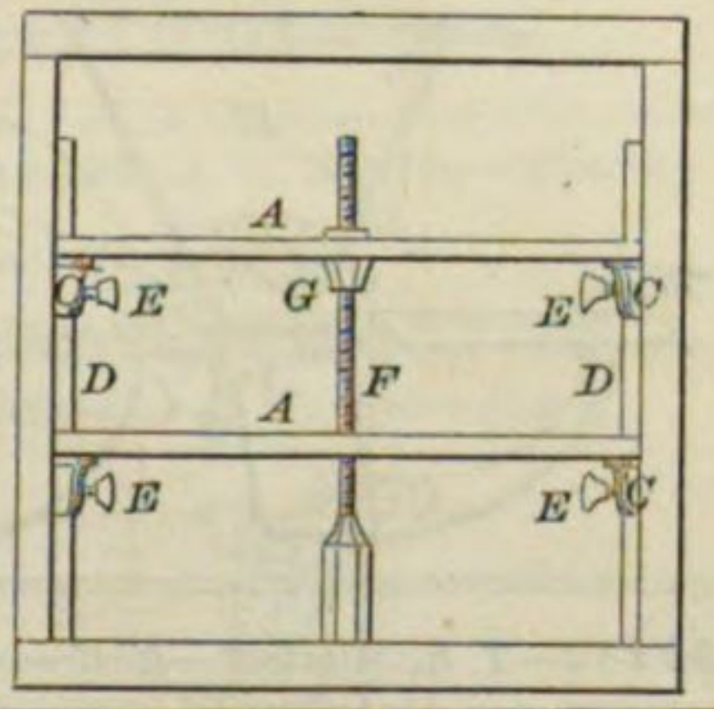
56424—C. Livingston—*Planing Machine Cutter.*



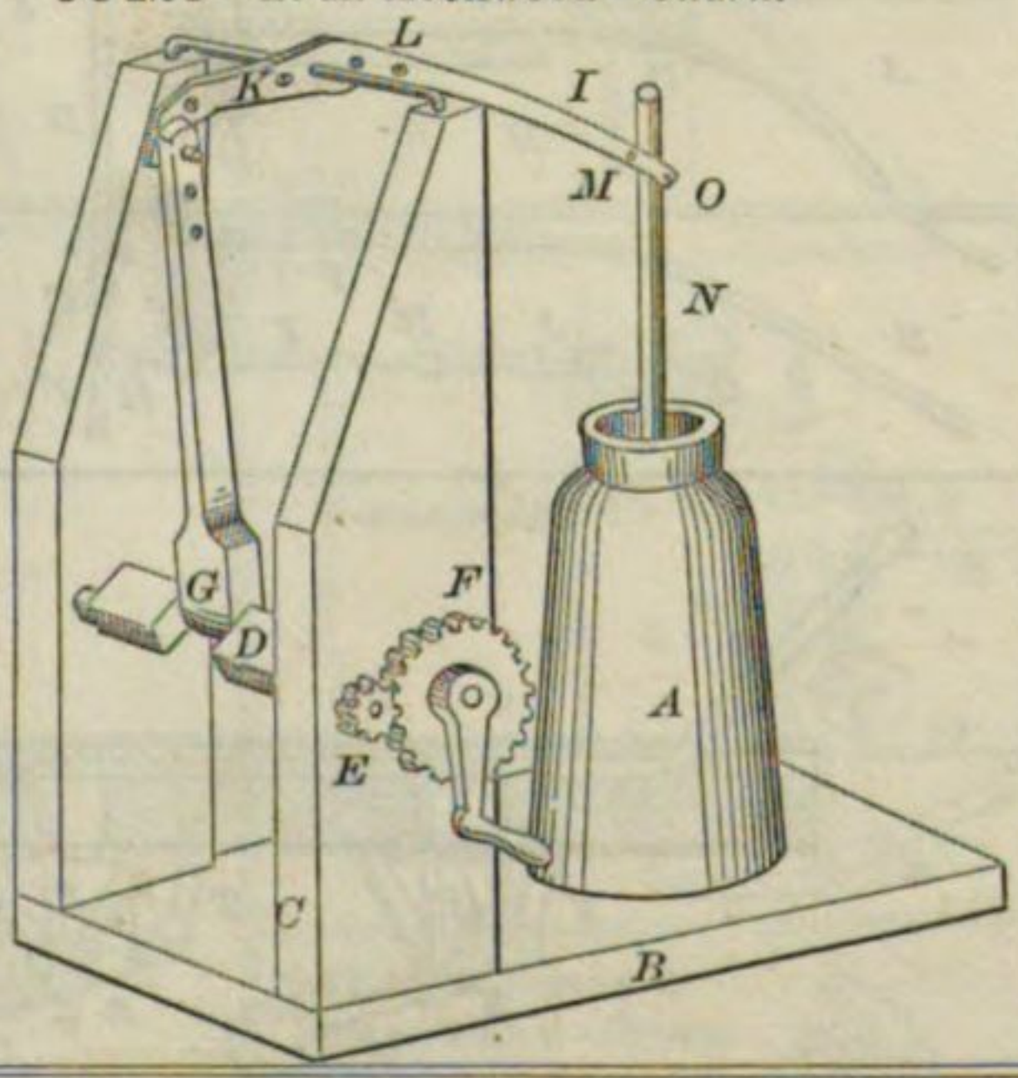
56426—D. R. Mac Lennan—*Sawing Machine.*



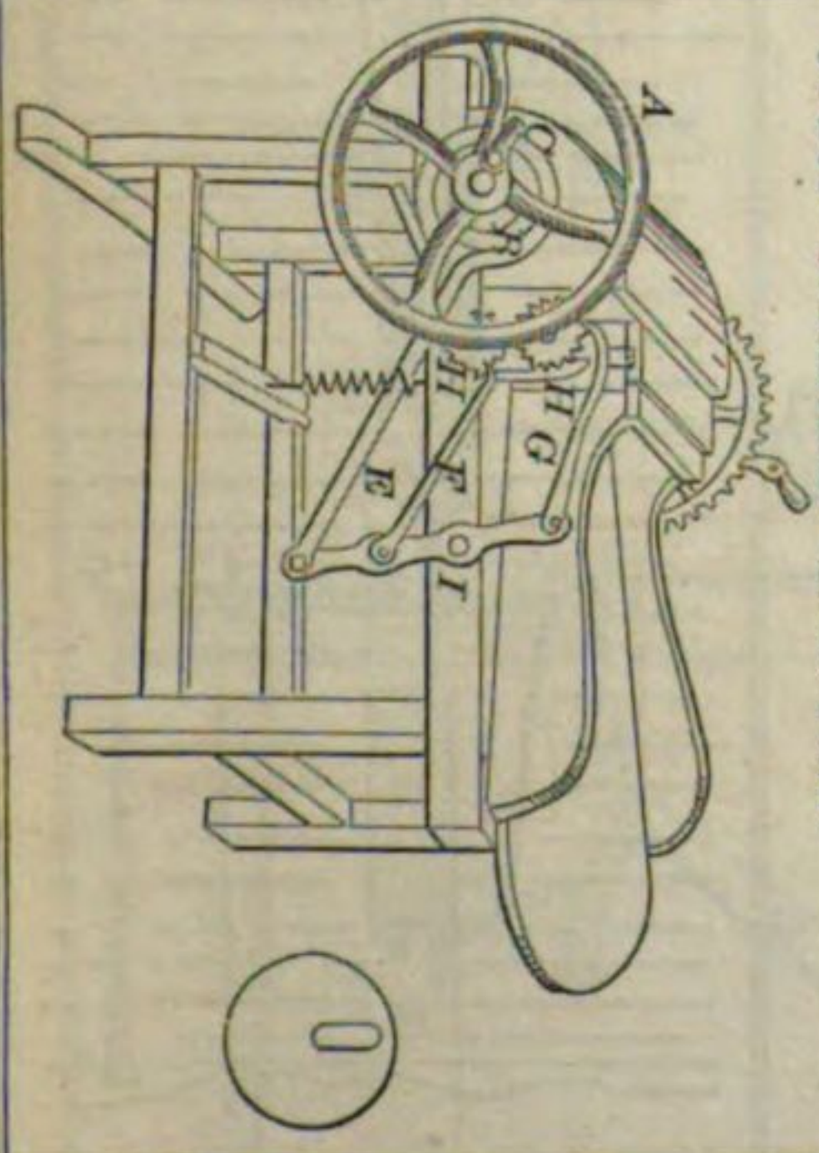
56422—S. L. Latta—*Store Shelf.*



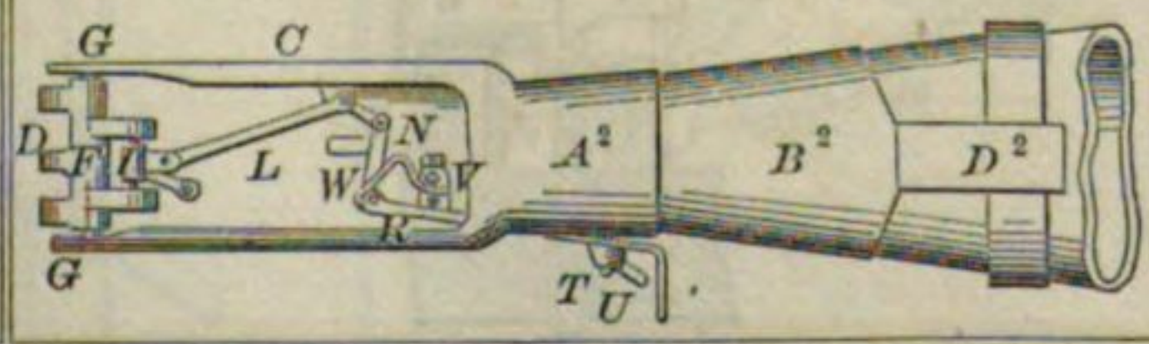
56425—T. E. Lockwood—*Churn.*



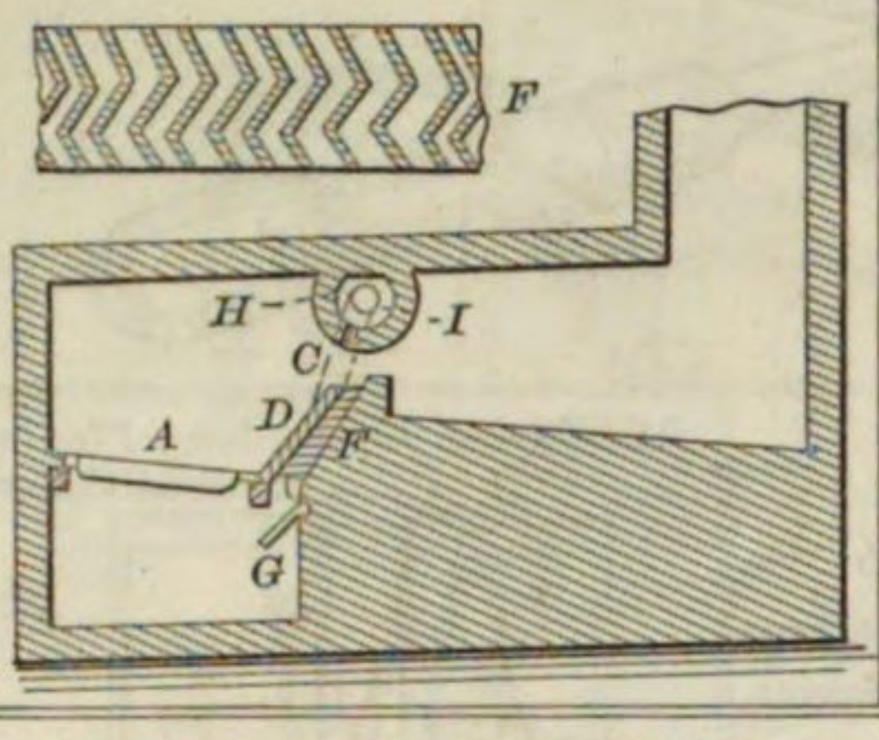
56428—J. Marchant—*Straw Cutter.*



56427—J. F. Maguire—*Artificial Hand.*

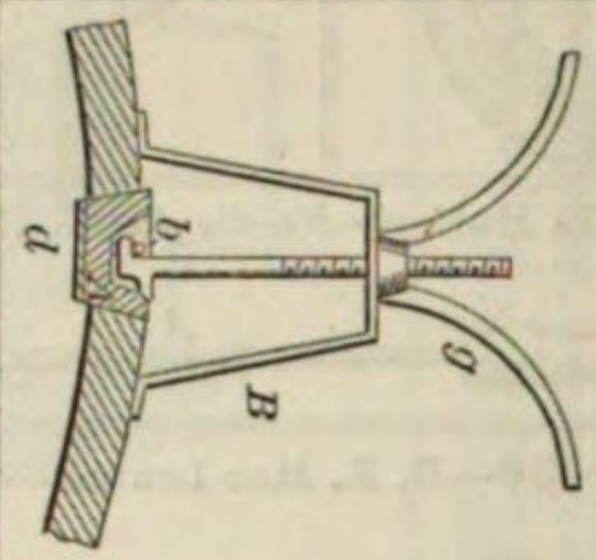


56429—O. F. Mayhew—*Puddling Furnace.*

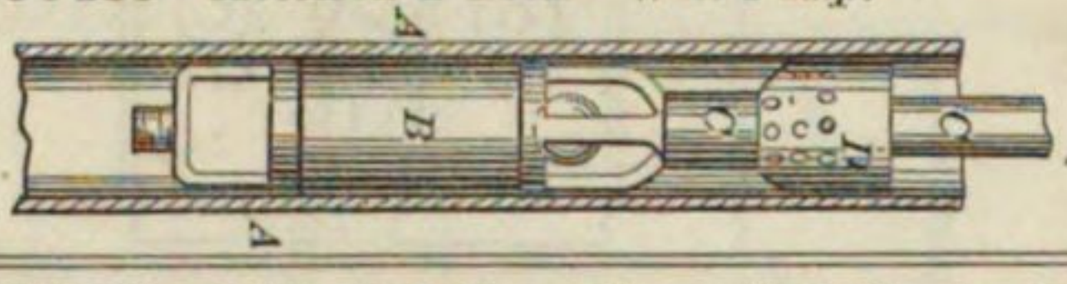


56434—W. B. Moore—*Broom Head.*

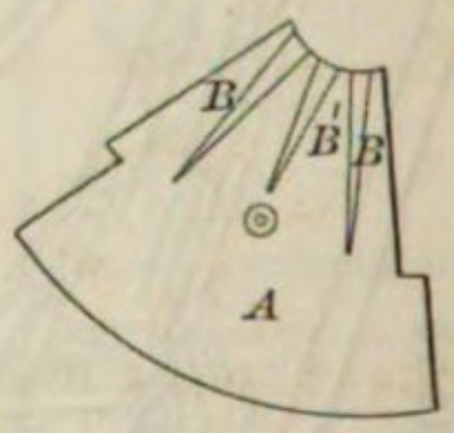
56431—Meyers & Webb—*Extracting Bungs.*



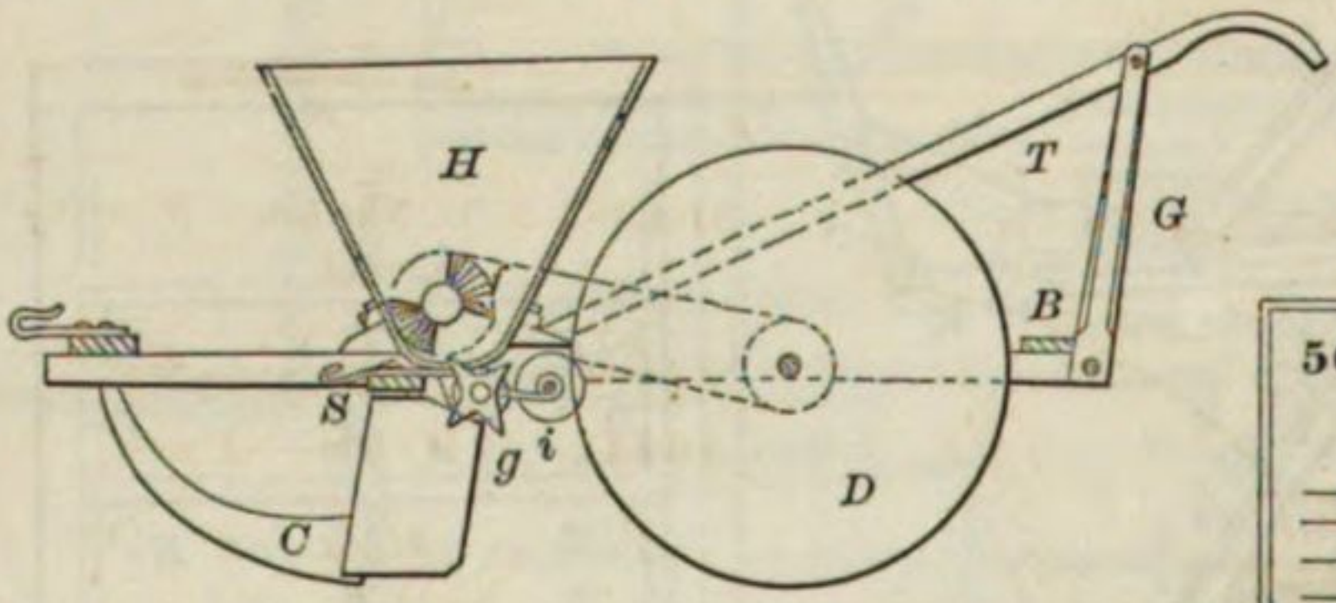
56435—Morrison & Betts—*Well Pump.*



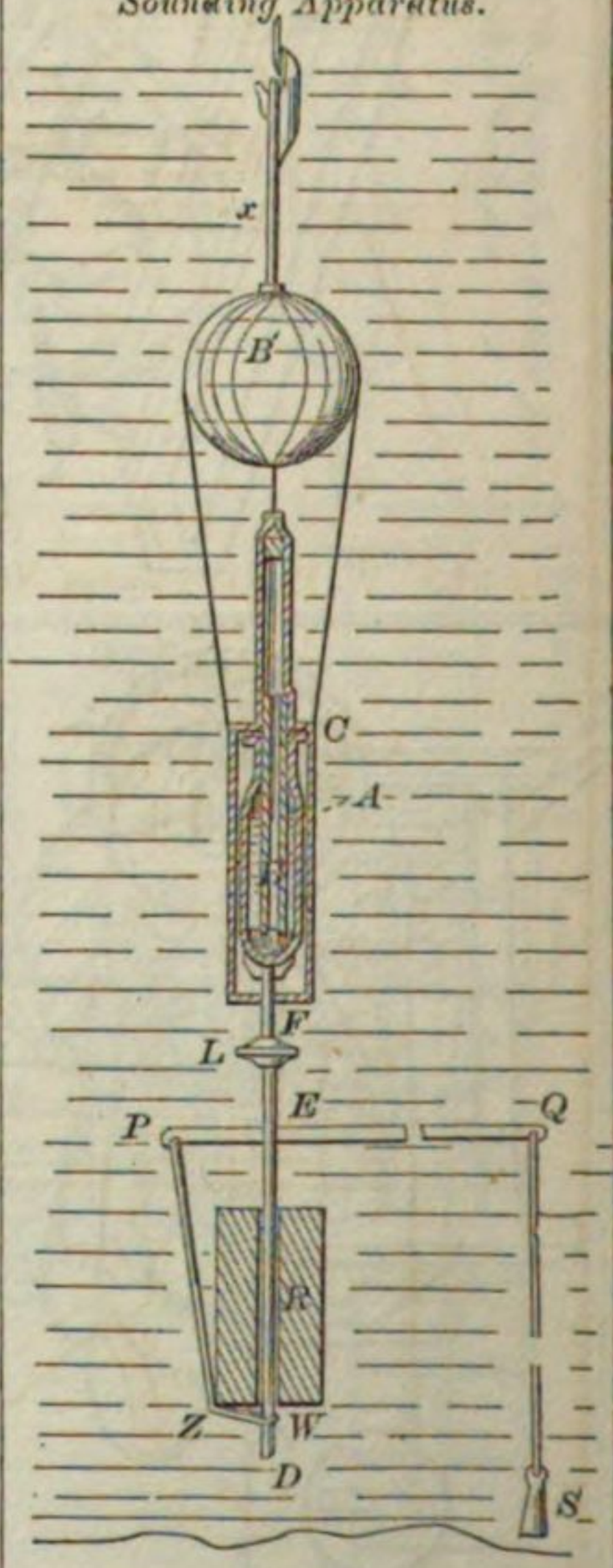
56433—A. Moore—*Quartz Mill.*



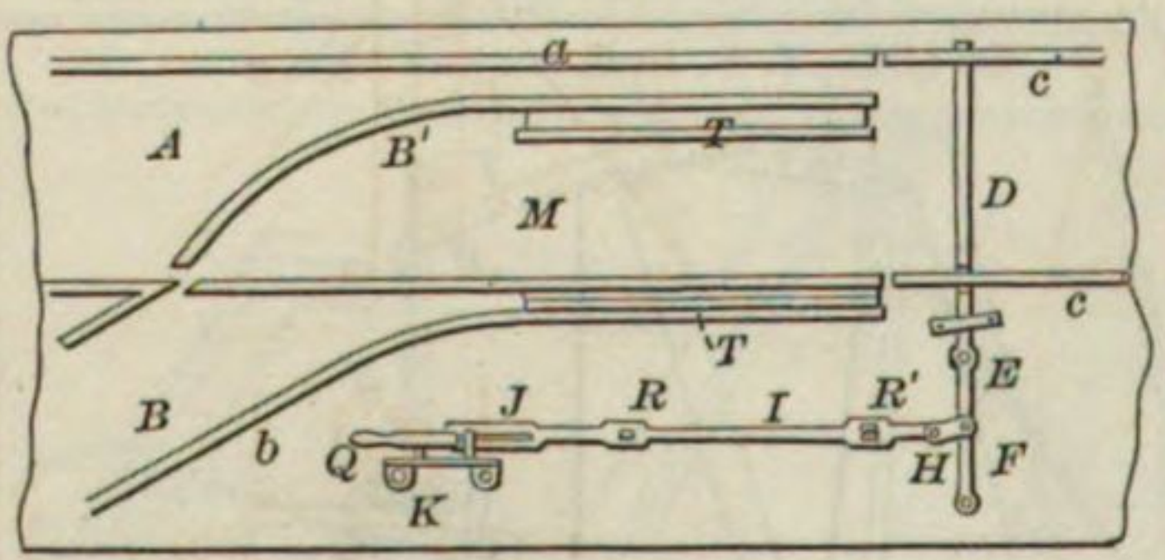
56430—I. W. McGaffey—*Cotton Seed Planting Machine.*

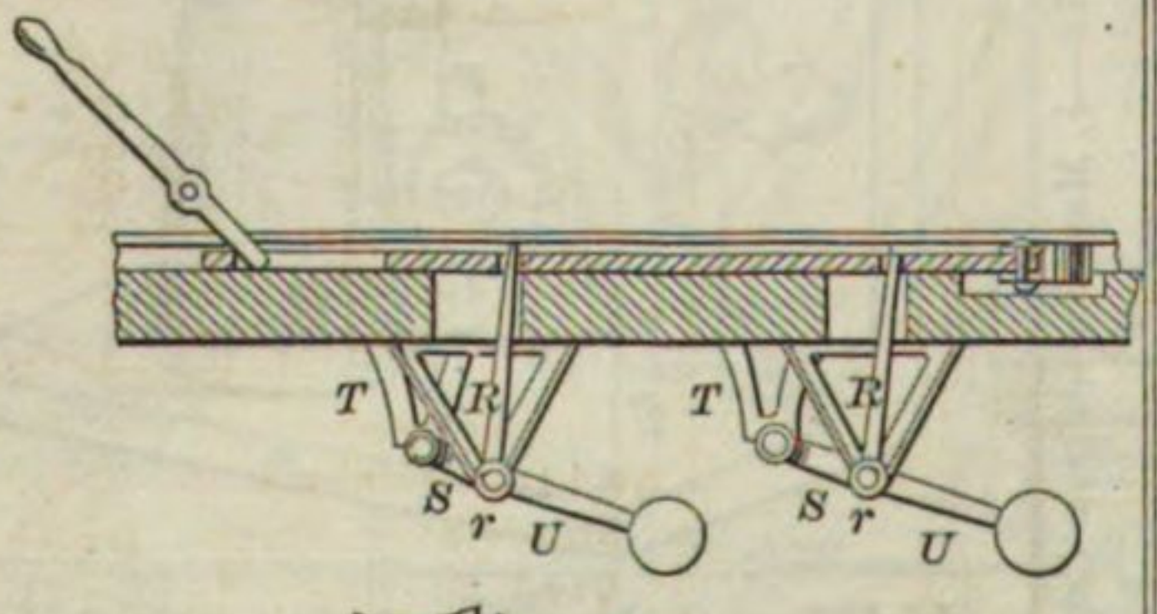


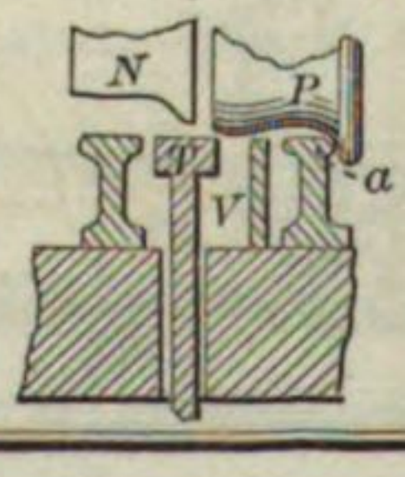
56436—S. E. & G. L. Morse—*Sounding Apparatus.*



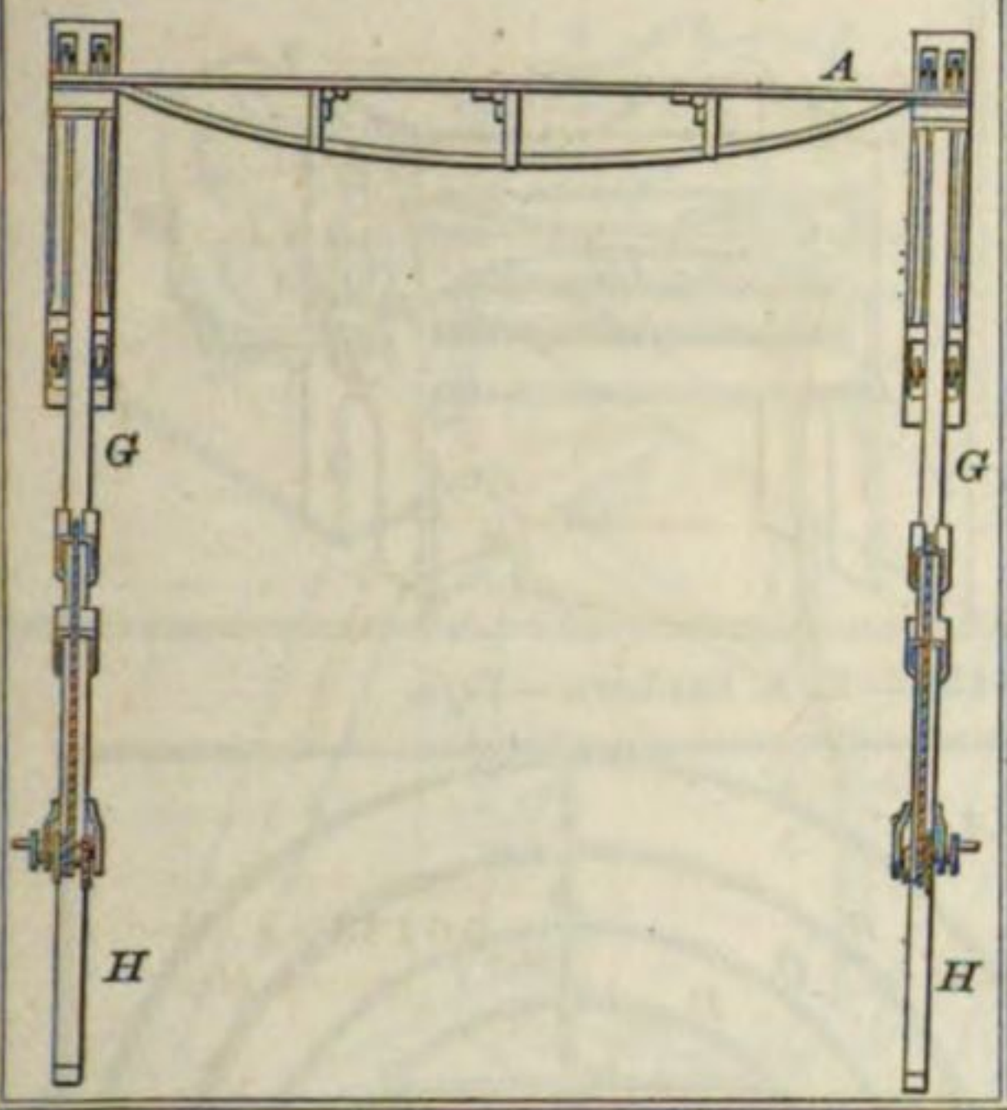
56432—T. S. Mitchell—*Railroad Switch.*



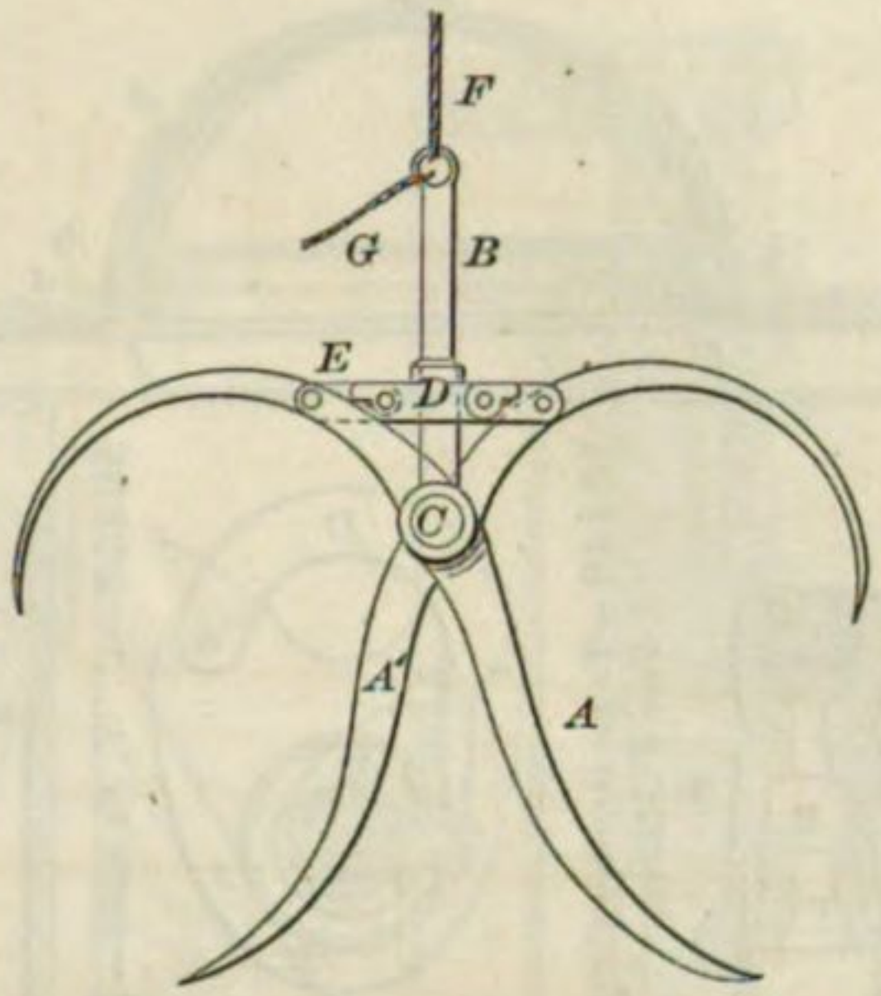




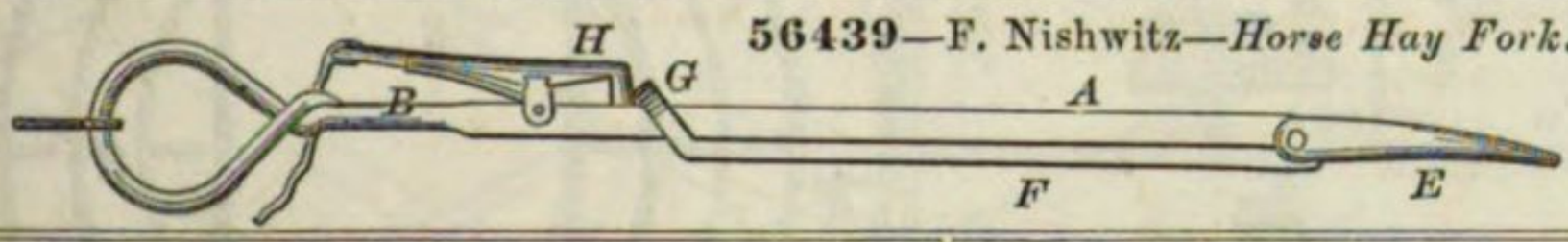
56437—Newbanks & Powel—*Scaffold.*



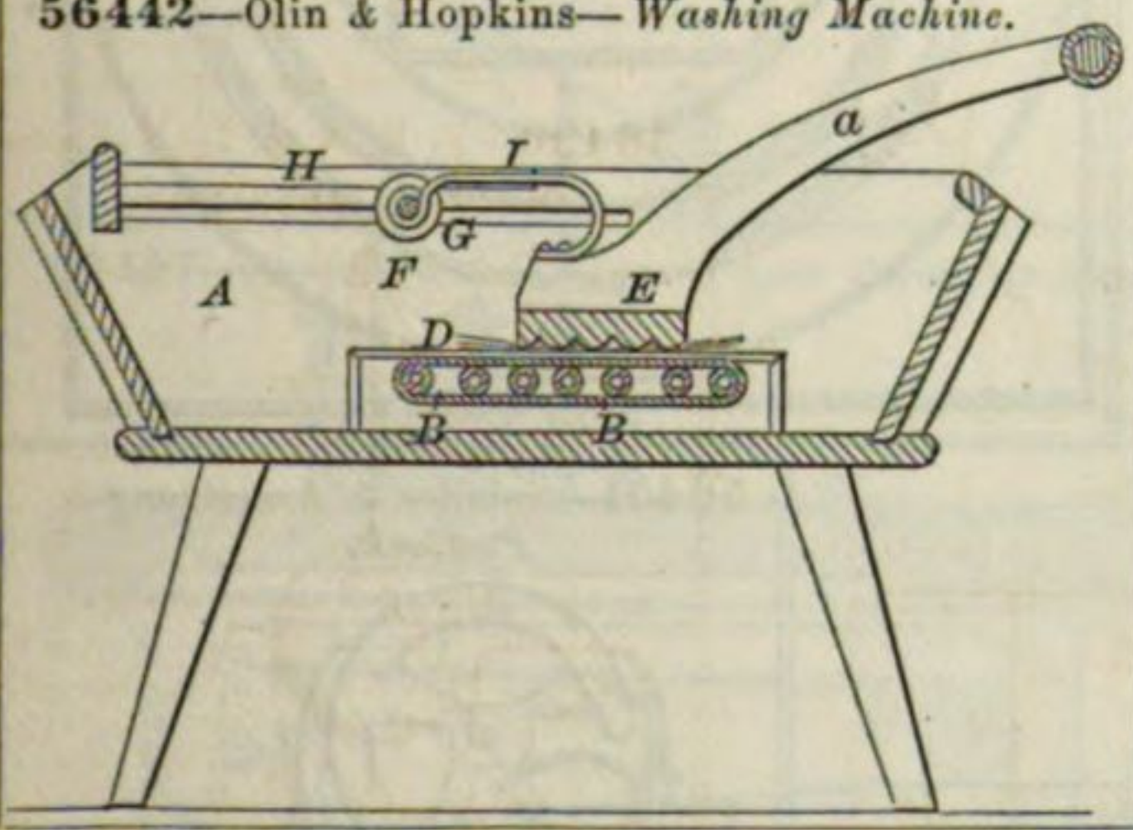
56440—Nishwitz & Hyers—*Horse Hay Fork.*



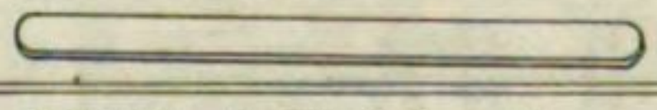
56439—F. Nishwitz—*Horse Hay Fork.*



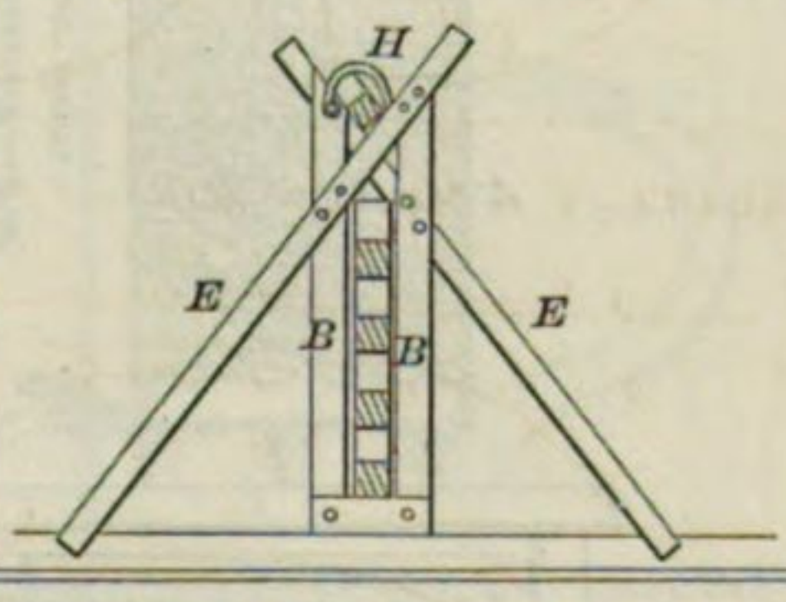
56442—Olin & Hopkins—*Washing Machine.*



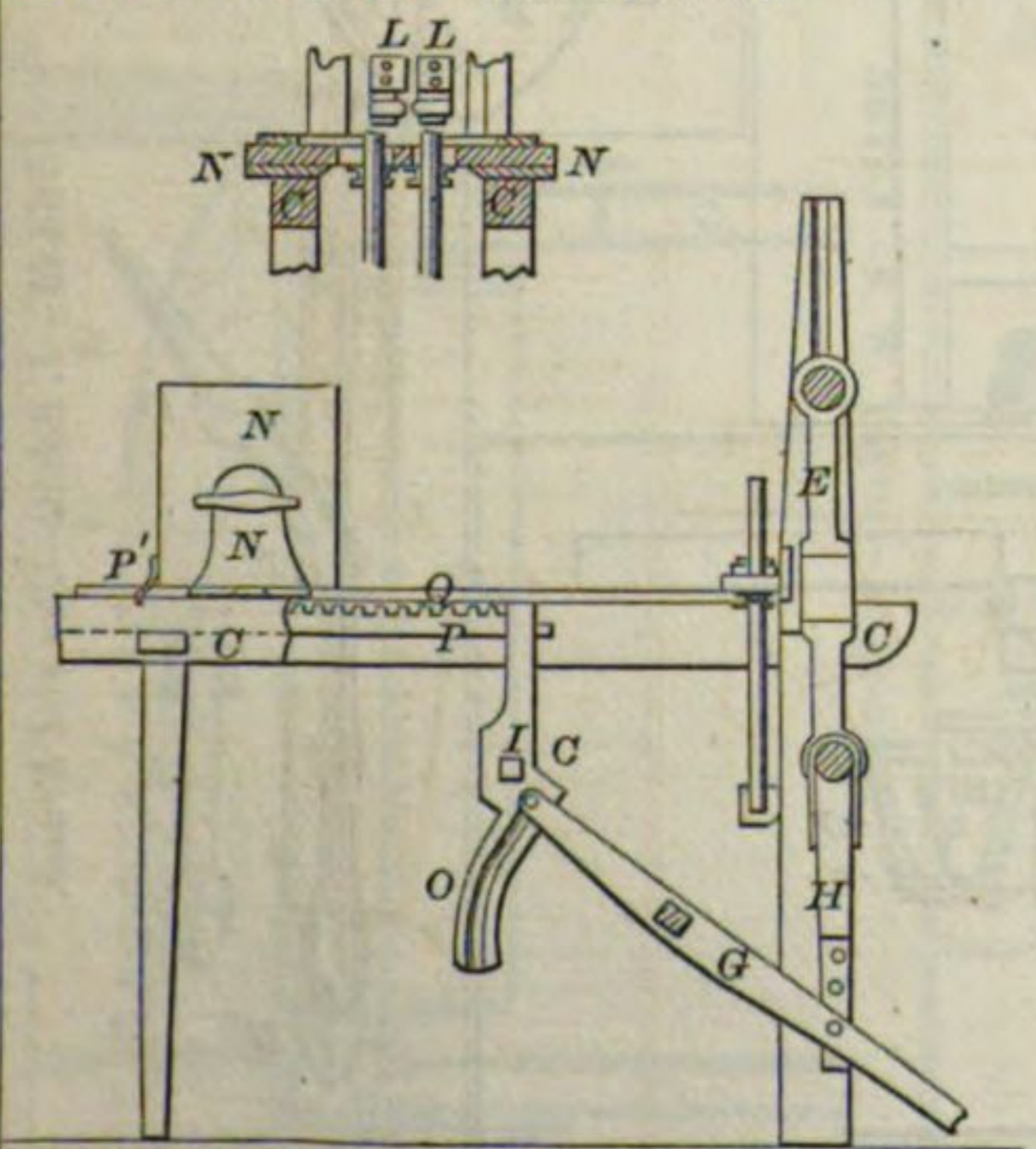
56438—J. L. Newton—*Wearing Apparel.*



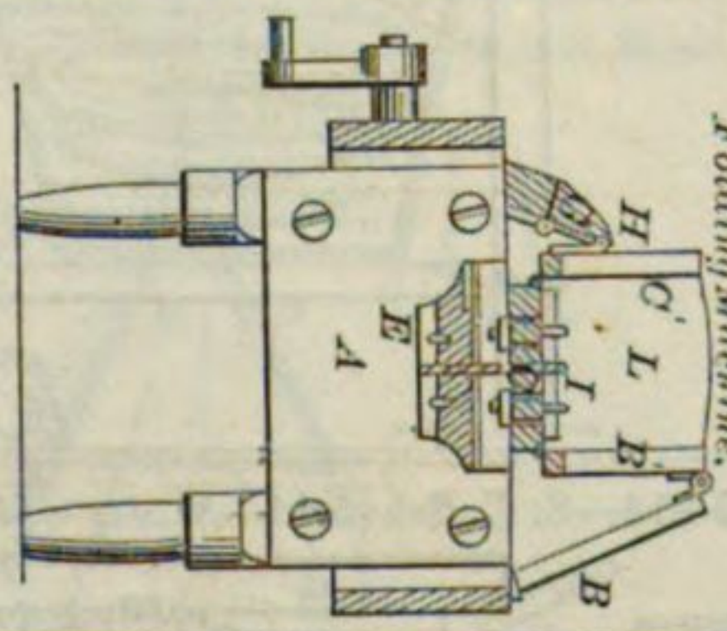
56441—A. W. Olds—*Fence.*



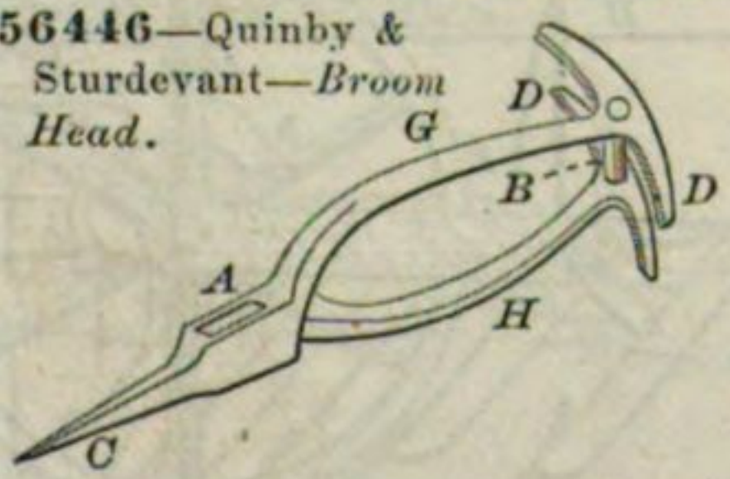
56445—W. Pruett—*Tenon Machine.*



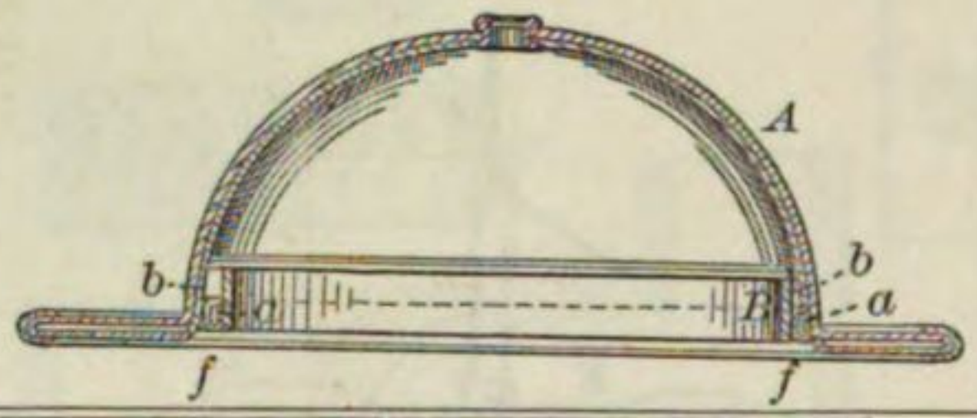
56443—J. Porter—*Wool Folding Machine.*



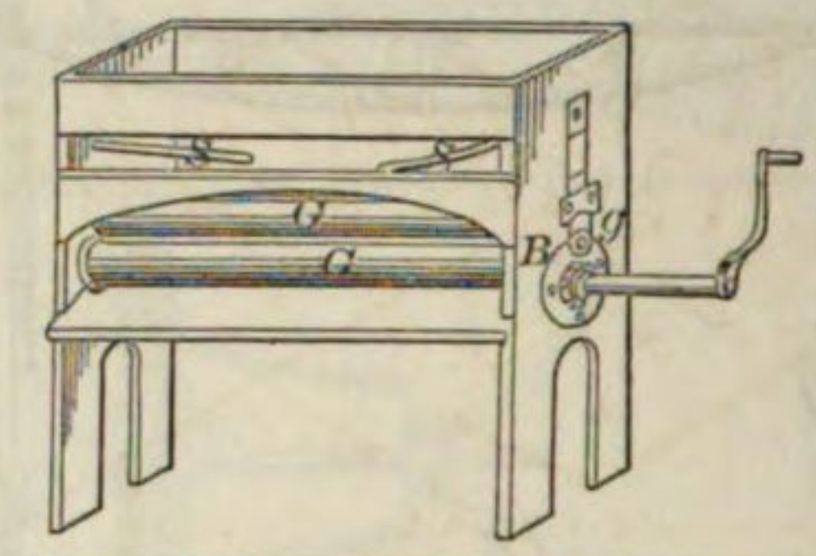
56446—Quinby & Sturdevant—*Broom Head.*



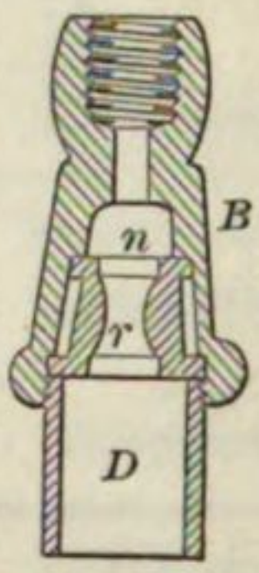
56447—C. L. Rahmer—*Hat.*



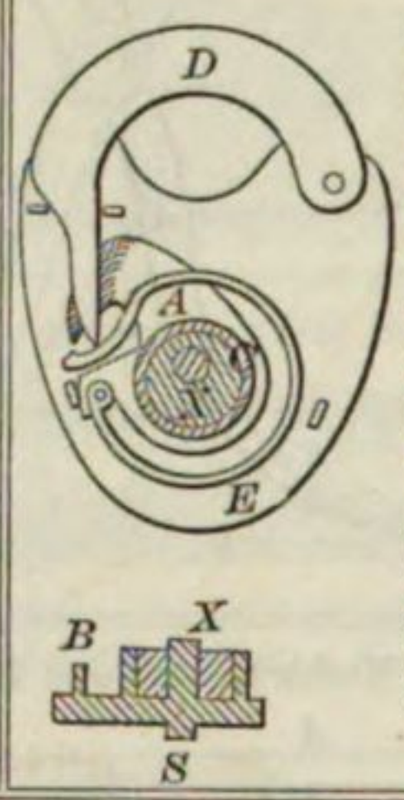
56449—O. Reeves—*Clothes Wringer.*



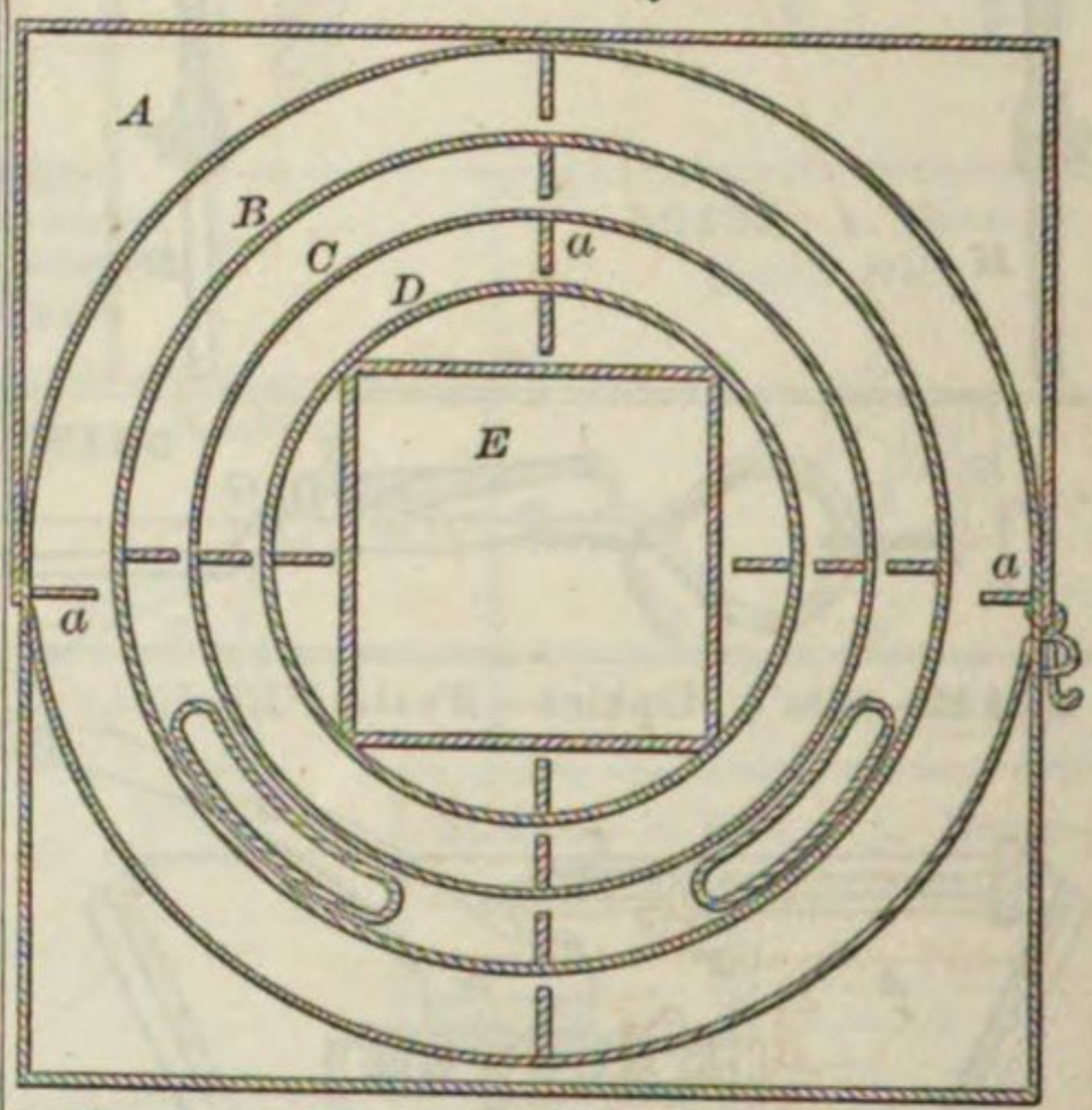
56448—T. L. Reed—*Coupling for Gas Fixtures.*



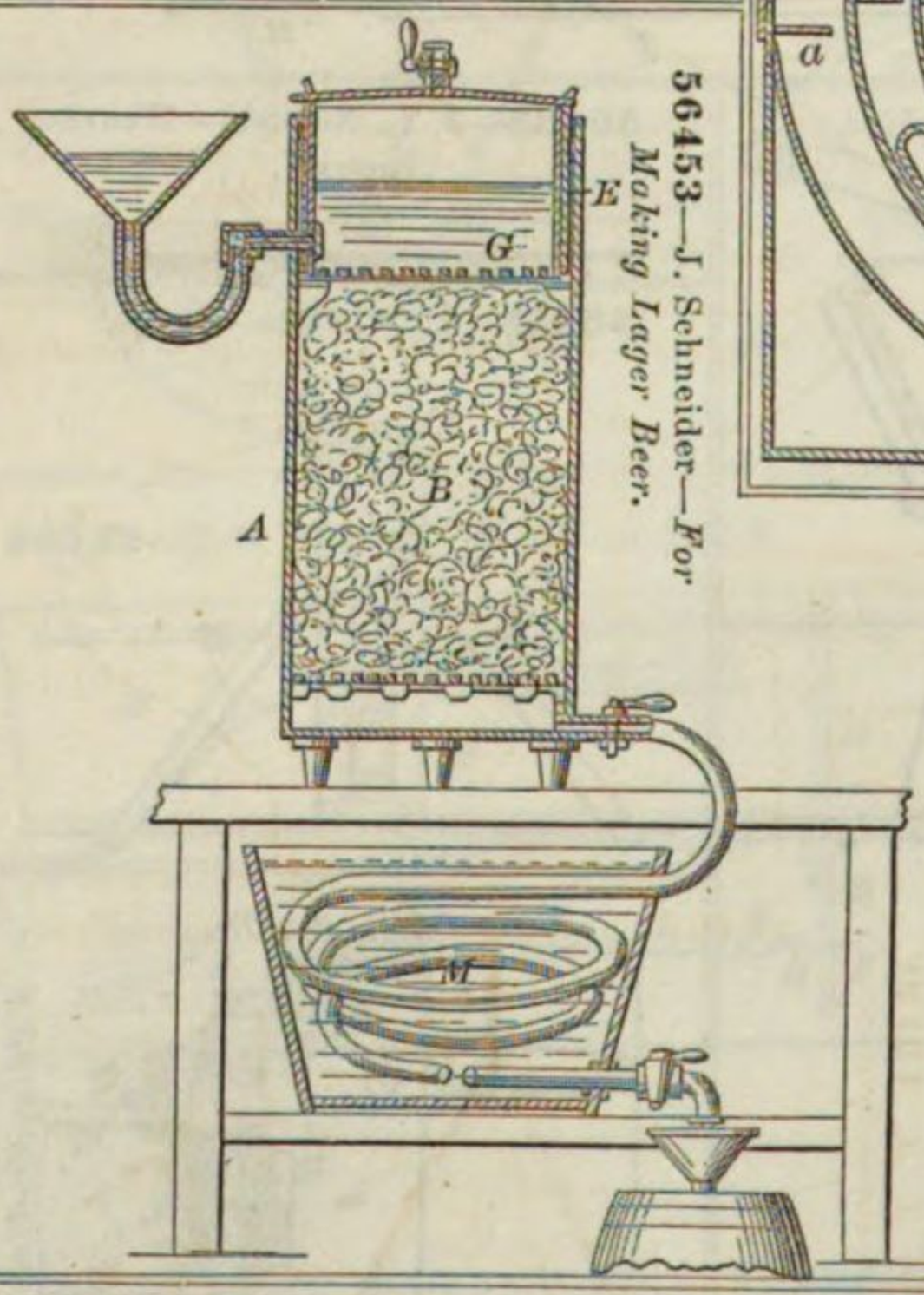
56450—C. W. Saladee—*Padlock.*



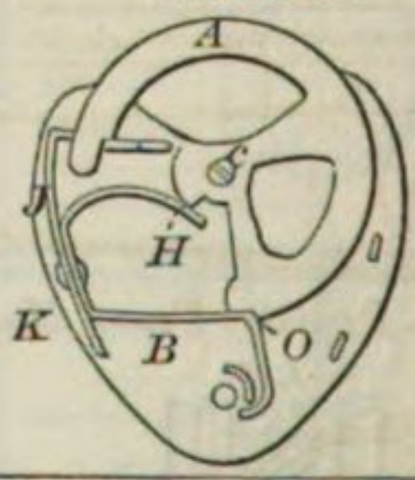
56452—R. S. Sanborn—*Safe.*



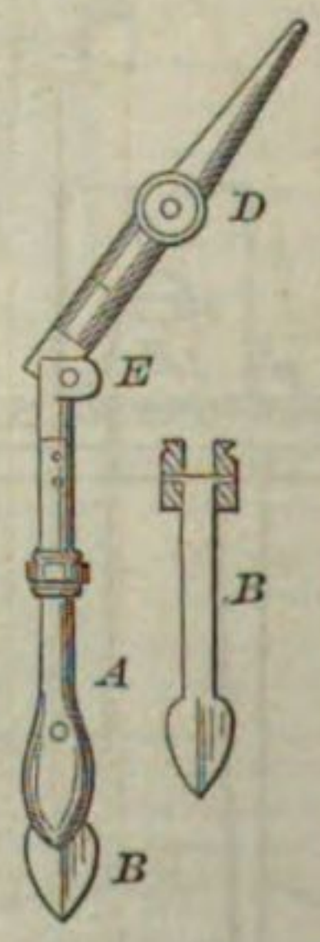
56453—J. Schneider—*Making Lager Beer.*



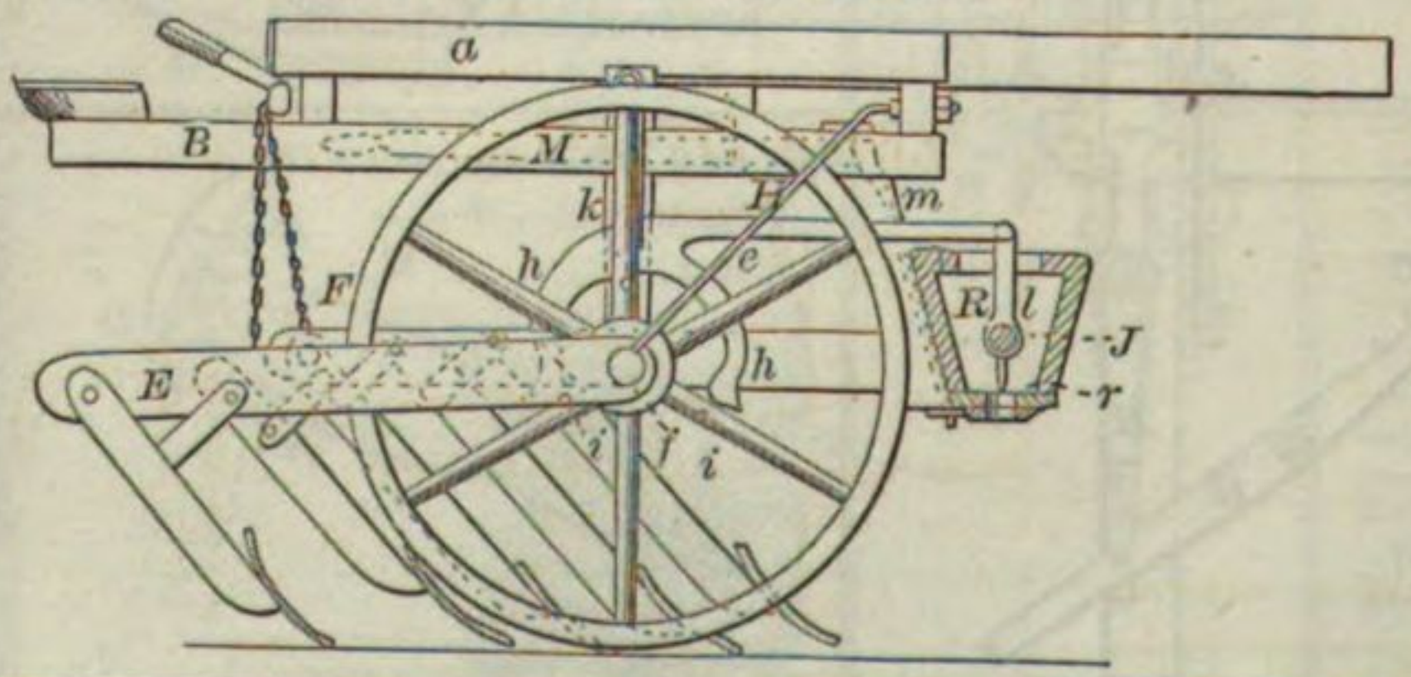
56451—Saladee & Armstrong—*Padlock.*



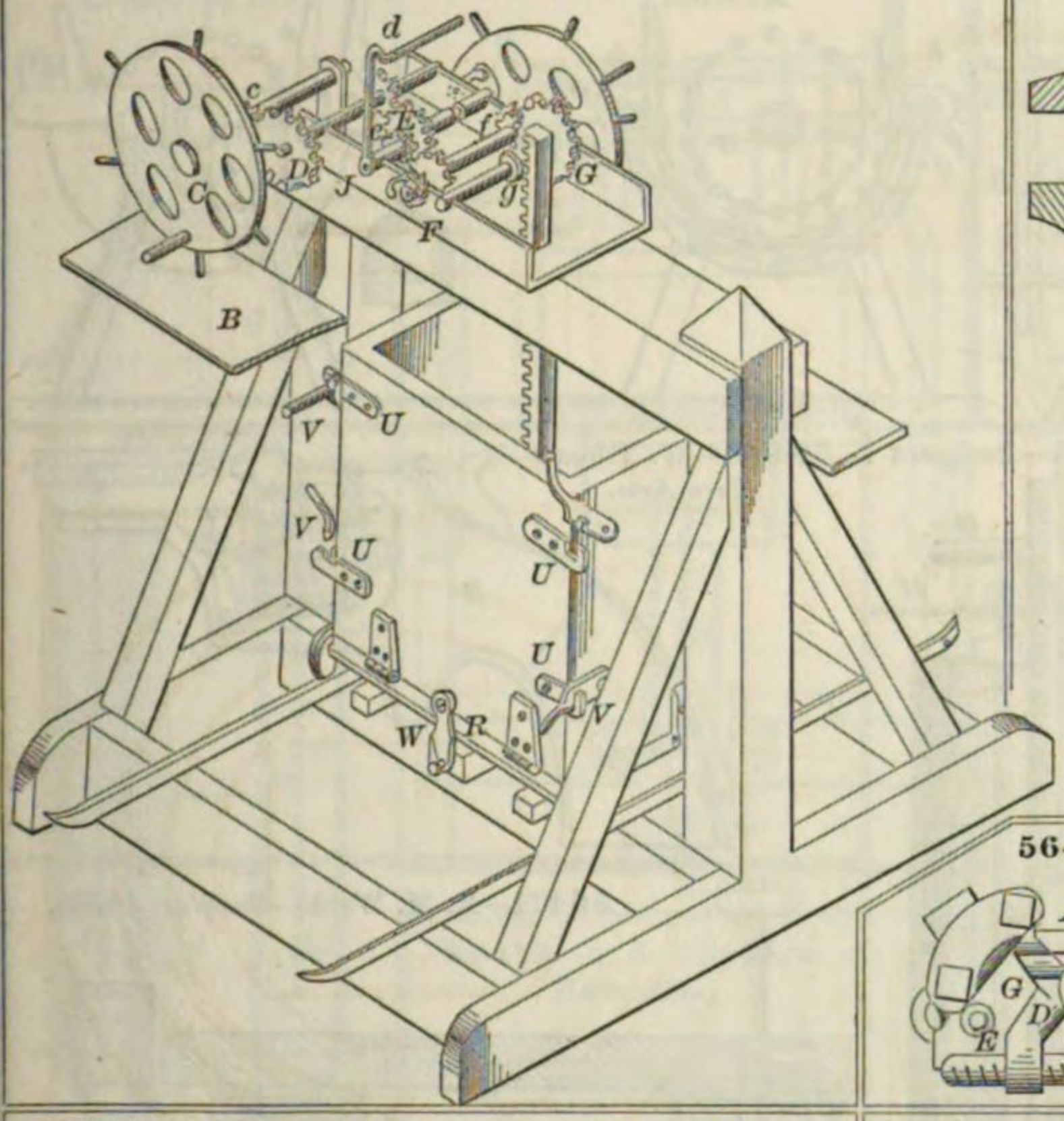
56455—J. Schott—*Pen and Eraser.*



56454—S. C. Schofield—*Seeder and Cultivator.*

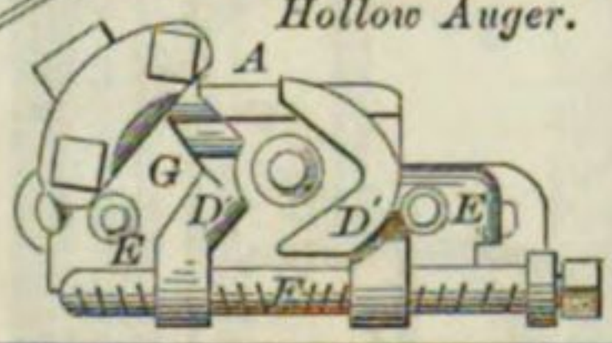


56456—Seelberger & Levy—*Baling Press.*

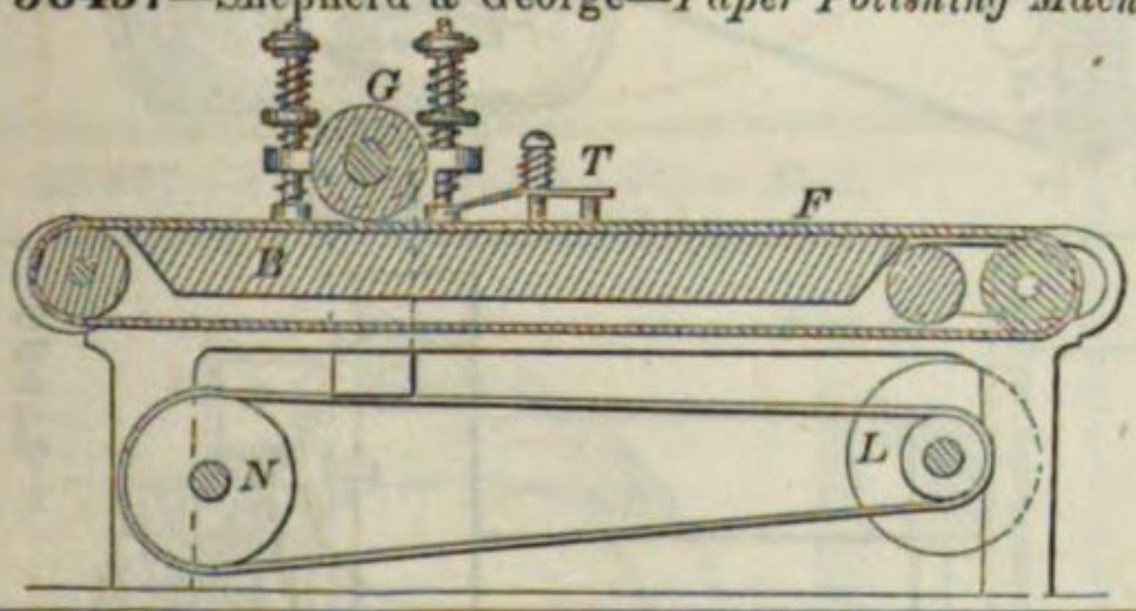


56460—A Stover—*Wrench.*

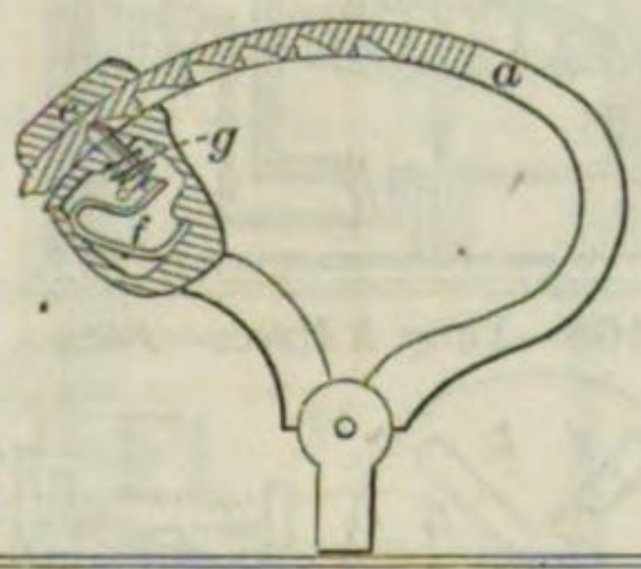
56459—J. H. Smith—*Hollow Auger.*



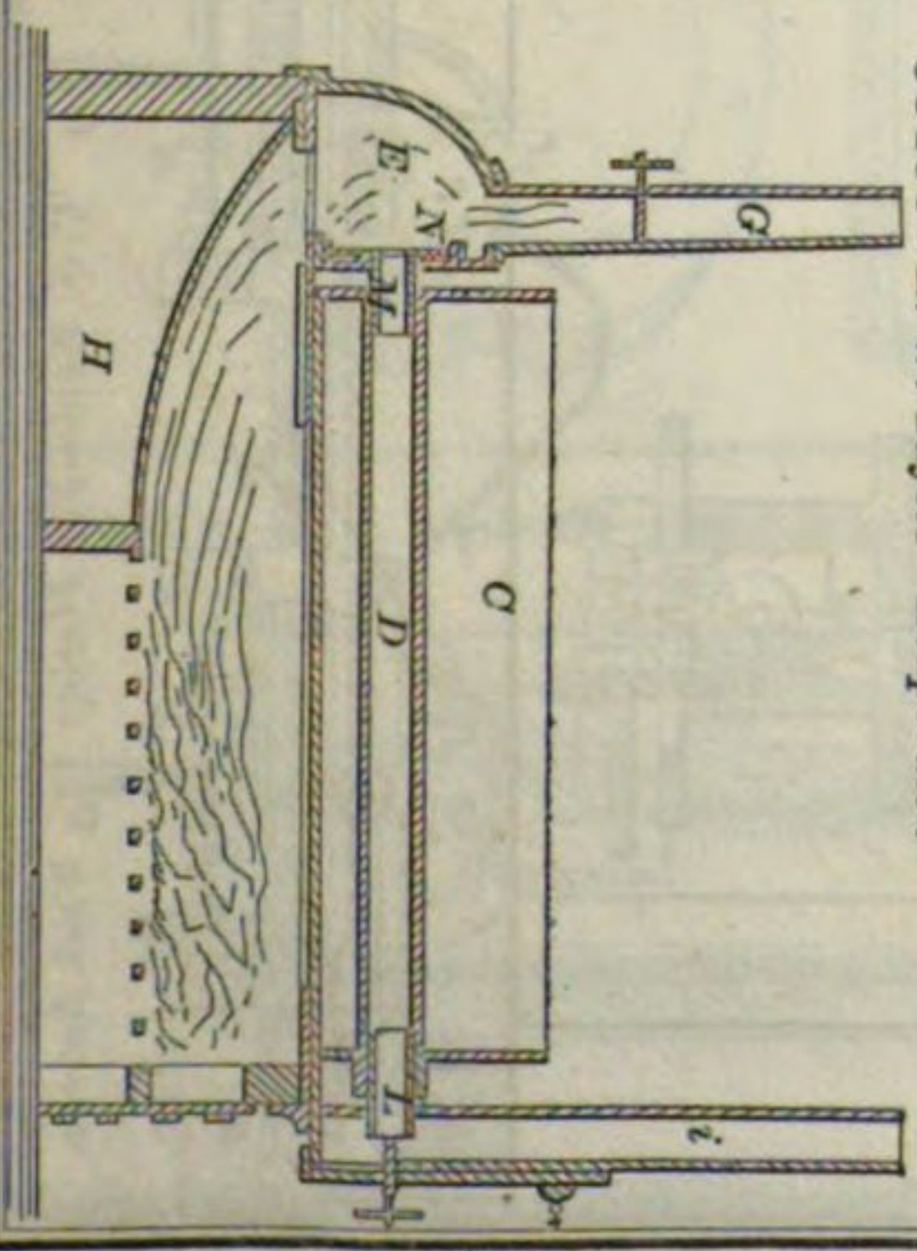
56457—Shepherd & George—*Paper Polishing Machine.*



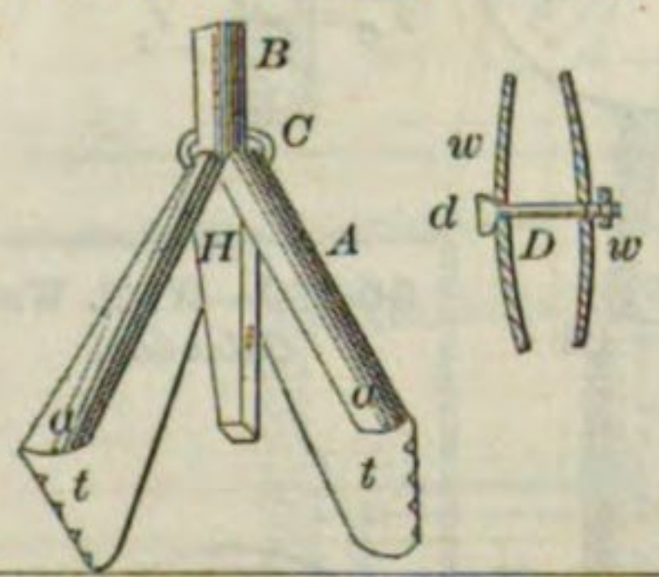
56463—O. C. Phelps—*Handcuff.*



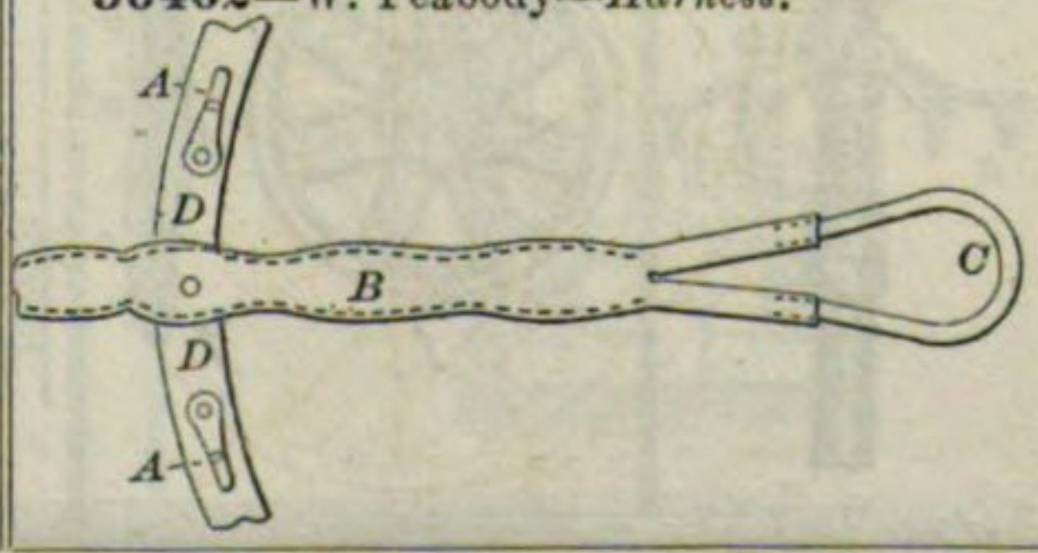
56464—E. W. Taylor—*Evaporator.*



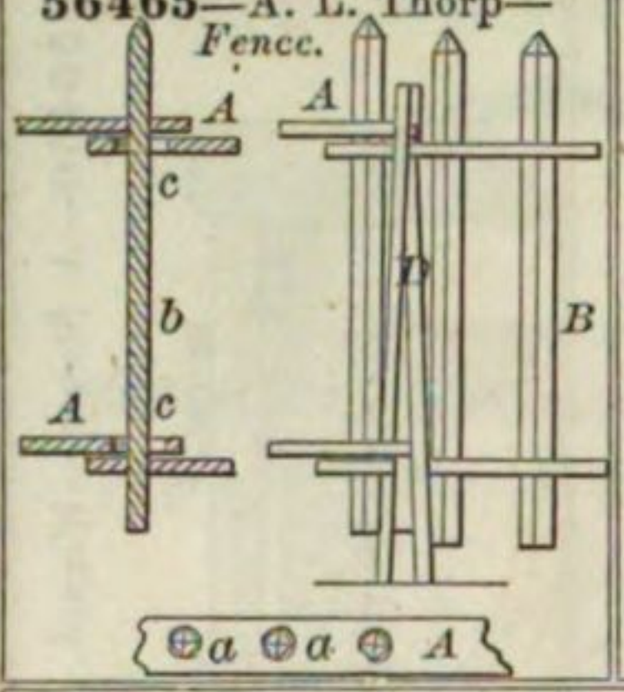
56461—Paine & Caviness—*Broom Head.*



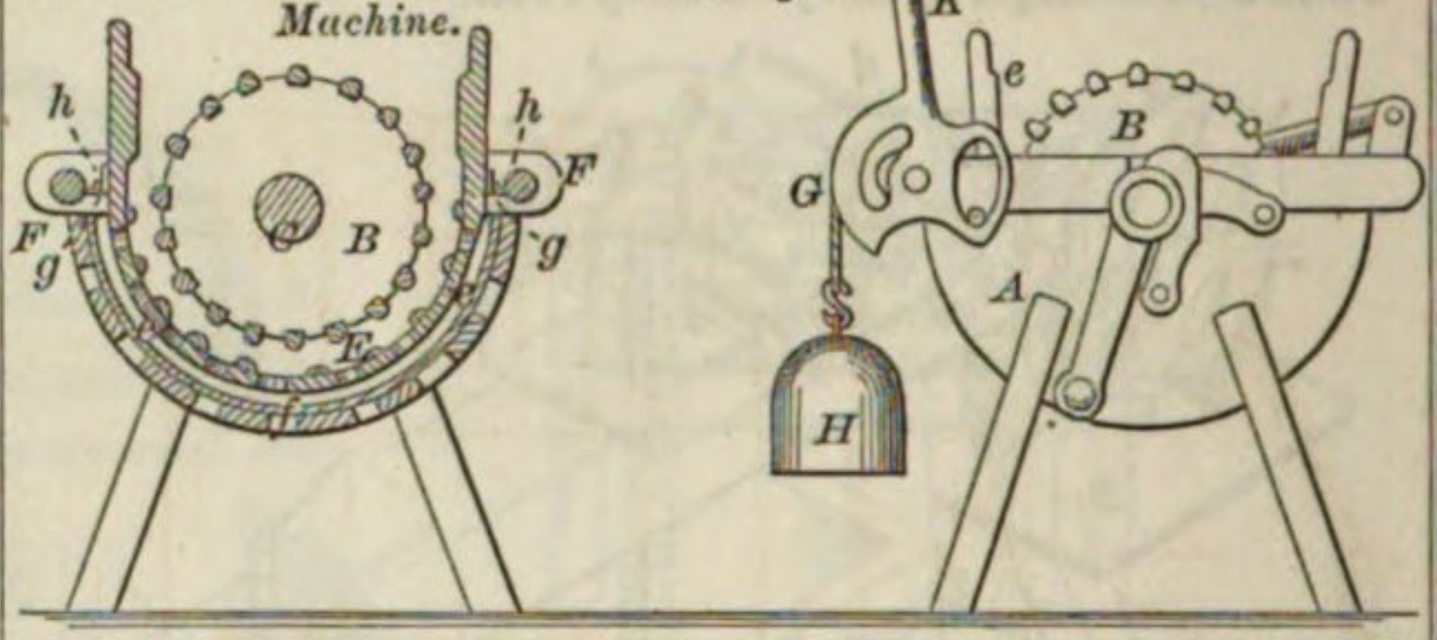
56462—W. Peabody—*Harness.*



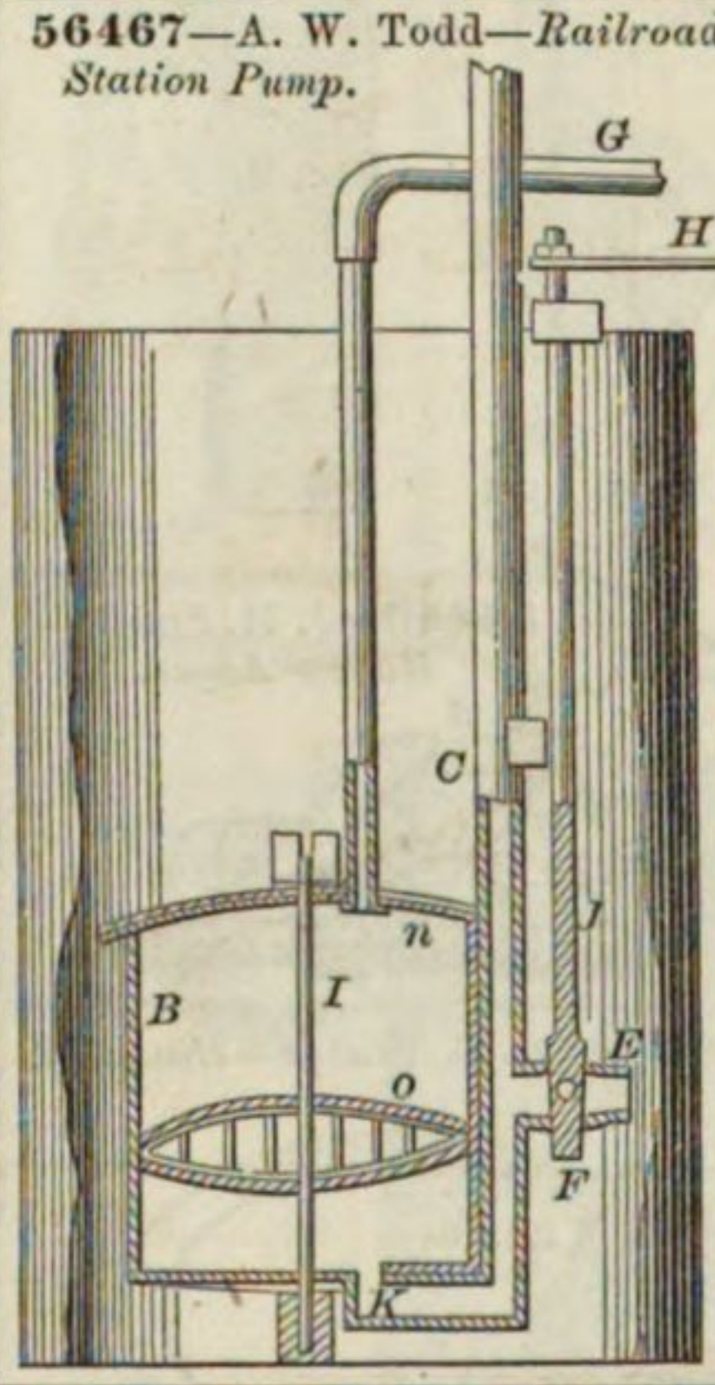
56465—A. L. Thorp—*Fence.*



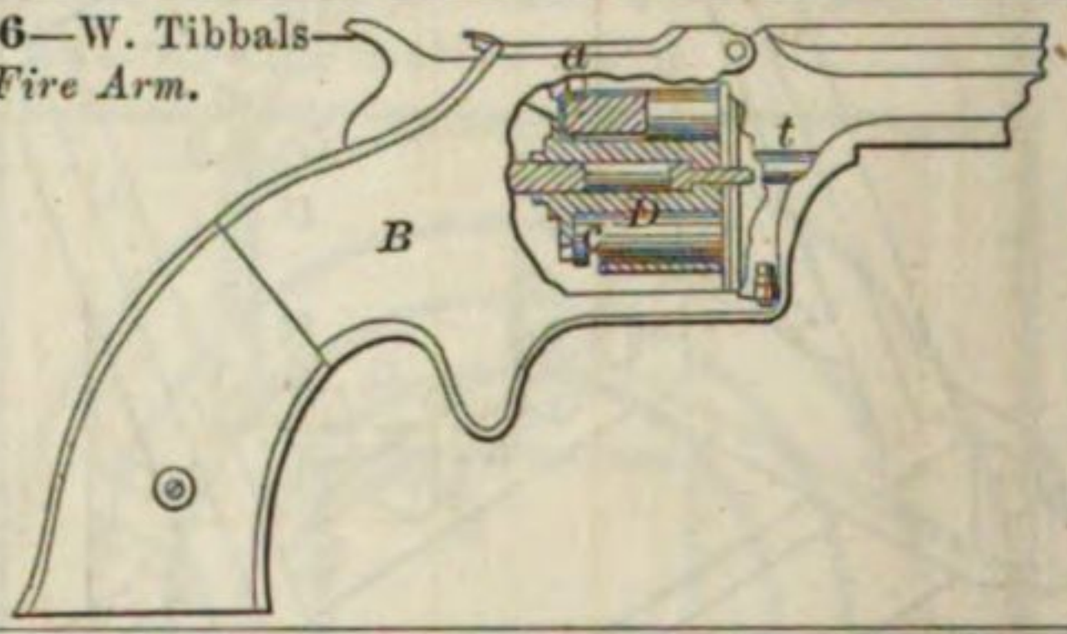
56469—P. Van Bussum—*Washing Machine.*



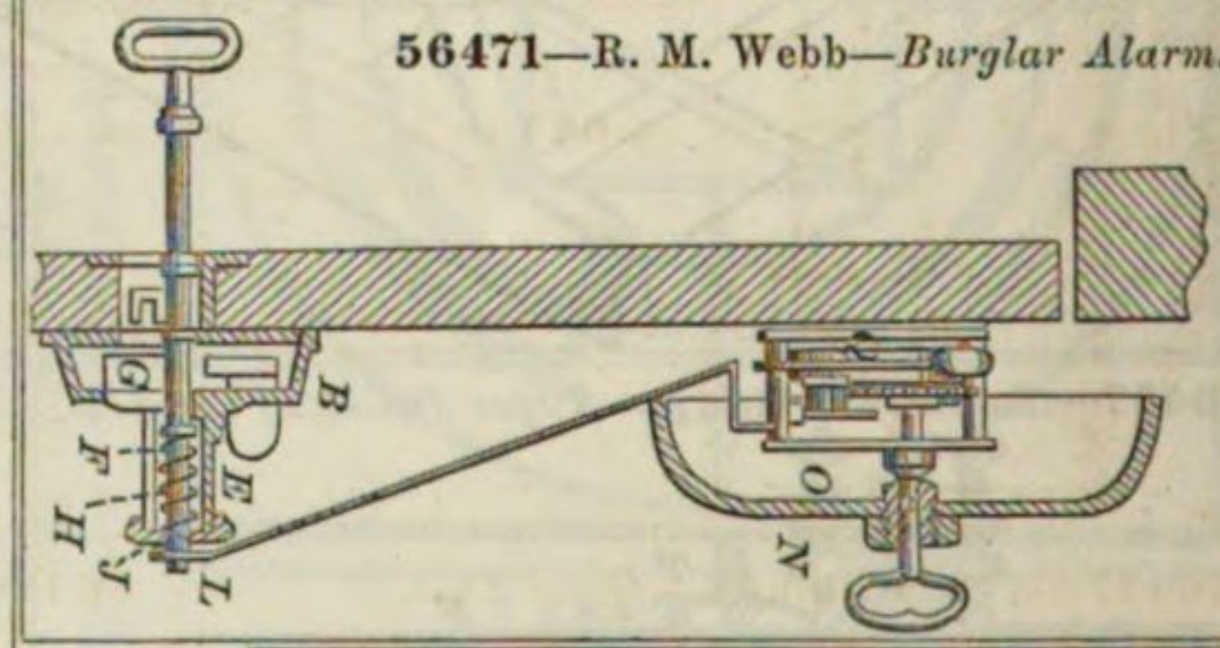
56467—A. W. Todd—*Railroad Station Pump.*



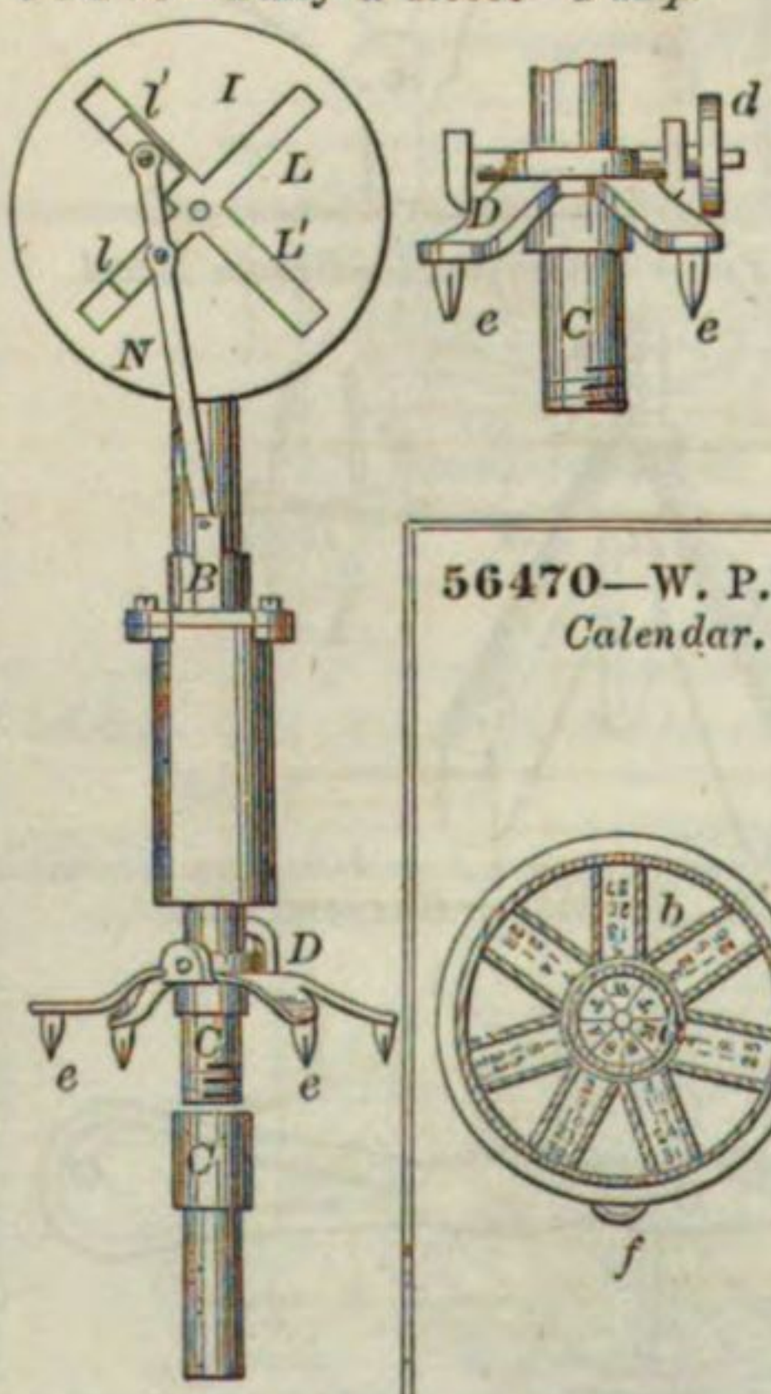
56466—W. Tibbals—*Fire Arm.*



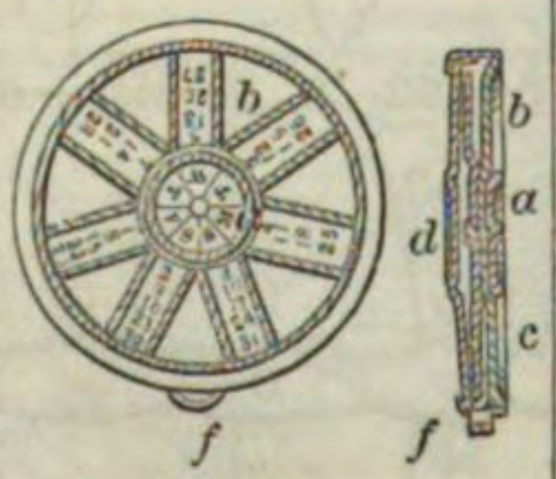
56471—R. M. Webb—*Burglar Alarm.*



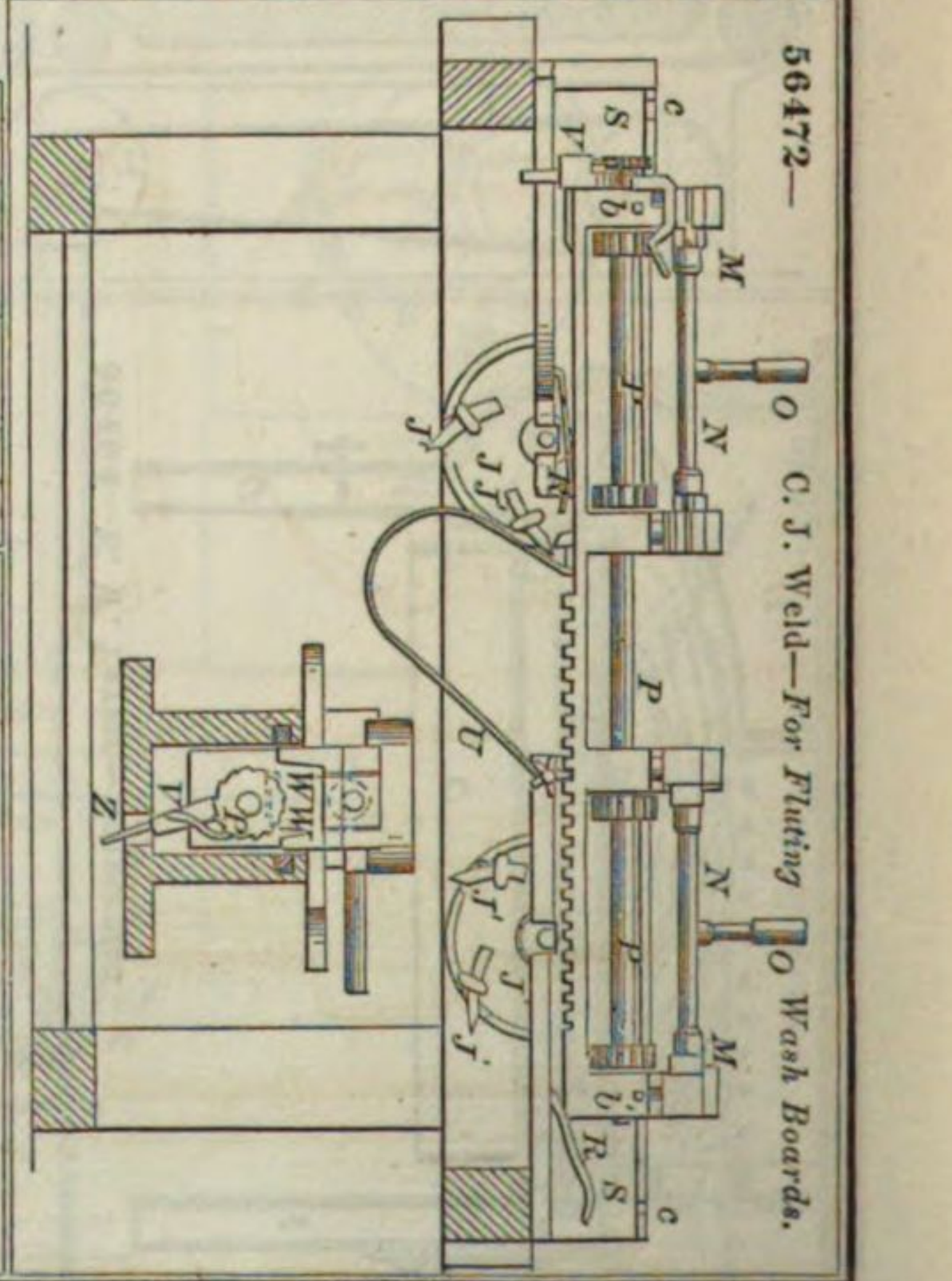
56468—Tully & Reece—*Pump.*



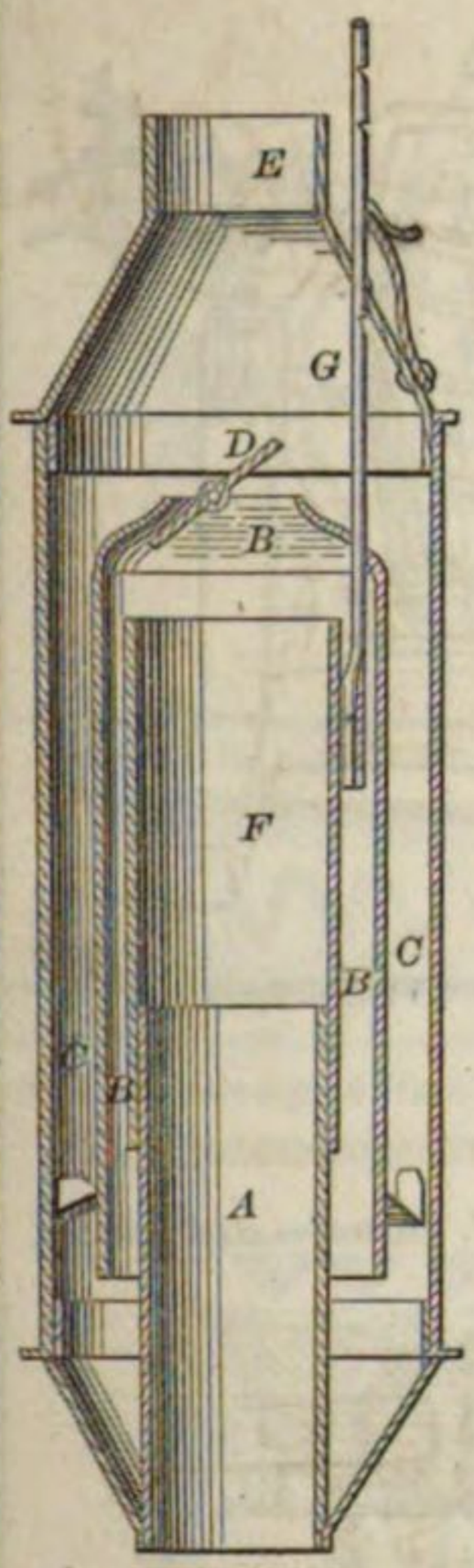
56470—W. P. Ware—*Calendar.*



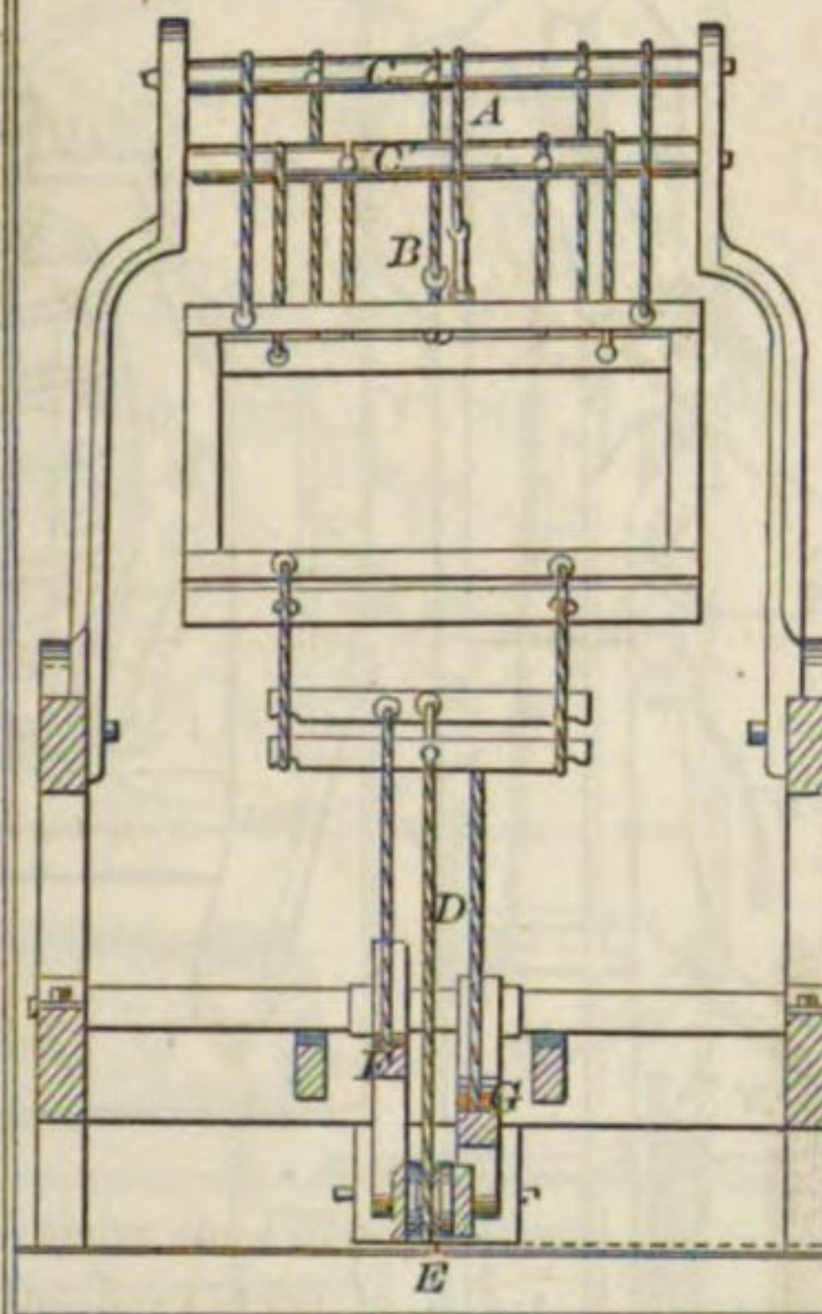
56472—C. J. Weld—*For Fluting Wash Boards.*



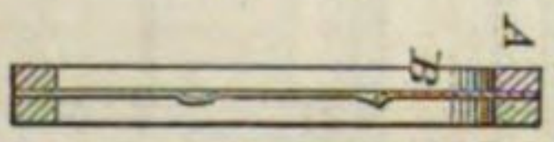
56473—C. C. Webber—*Stove Pipe Drum.*



56474—J. Welsh—*Loom.*



56475—A. S. Wilkinson—*Horse Shoe.*



56476—A. S. Wilkinson—*Horse Shoe.*

Fig. 1

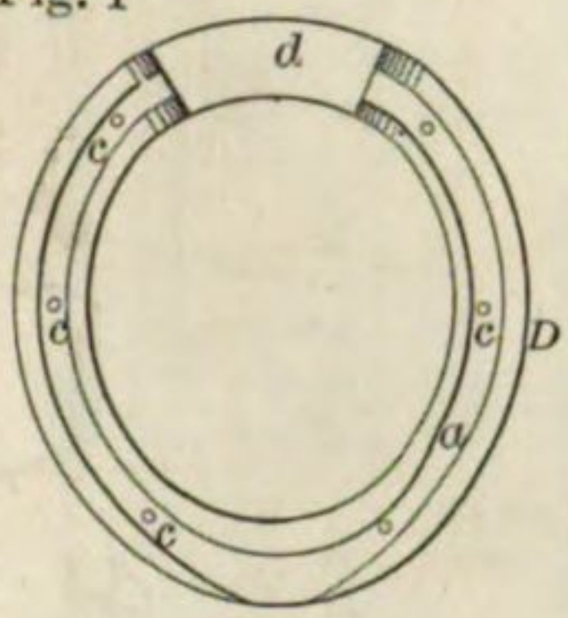
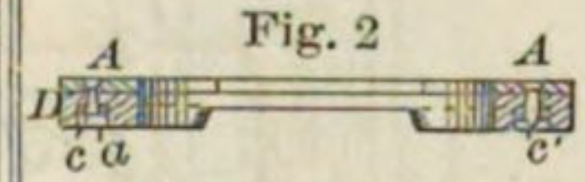
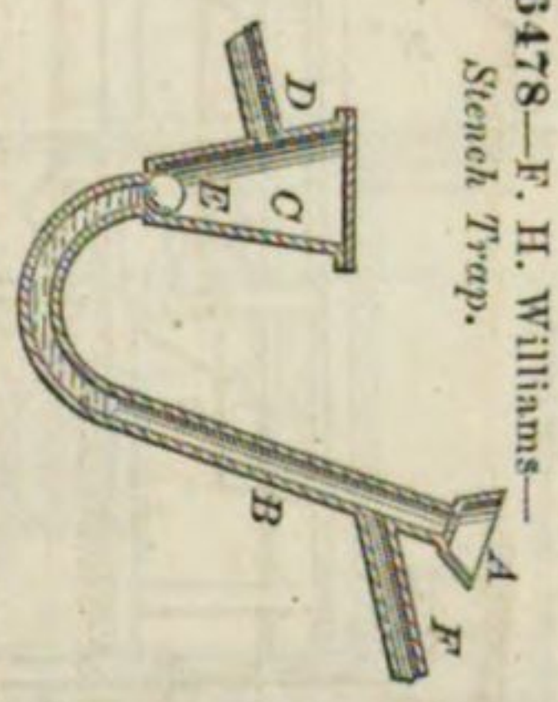


Fig. 2



56478—F. H. Williams—*Stench Trap.*



56477—A. S. Wilkinson—*Horse Shoe.*

Fig. 1

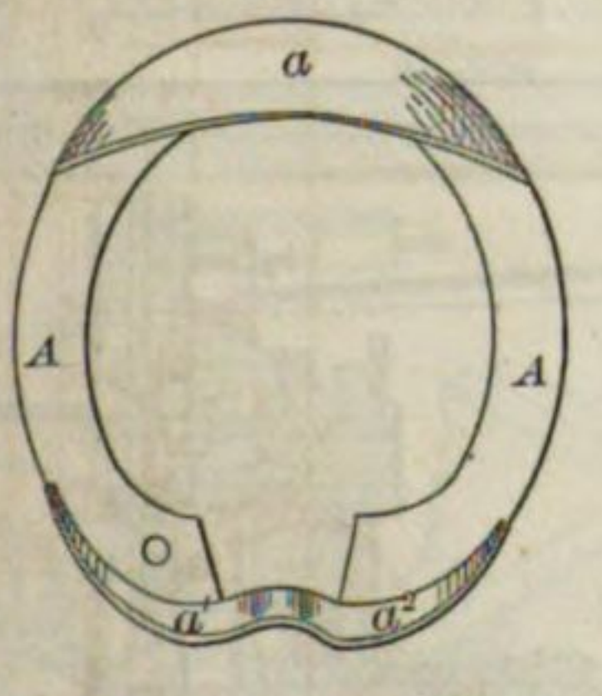
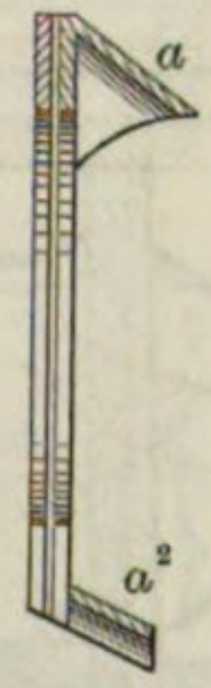
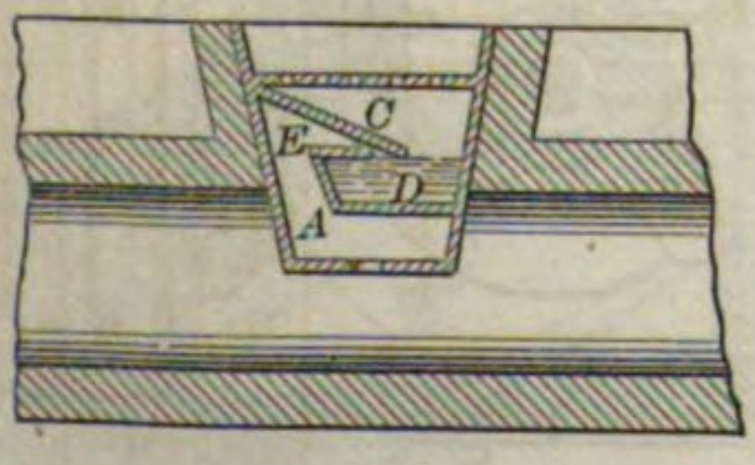


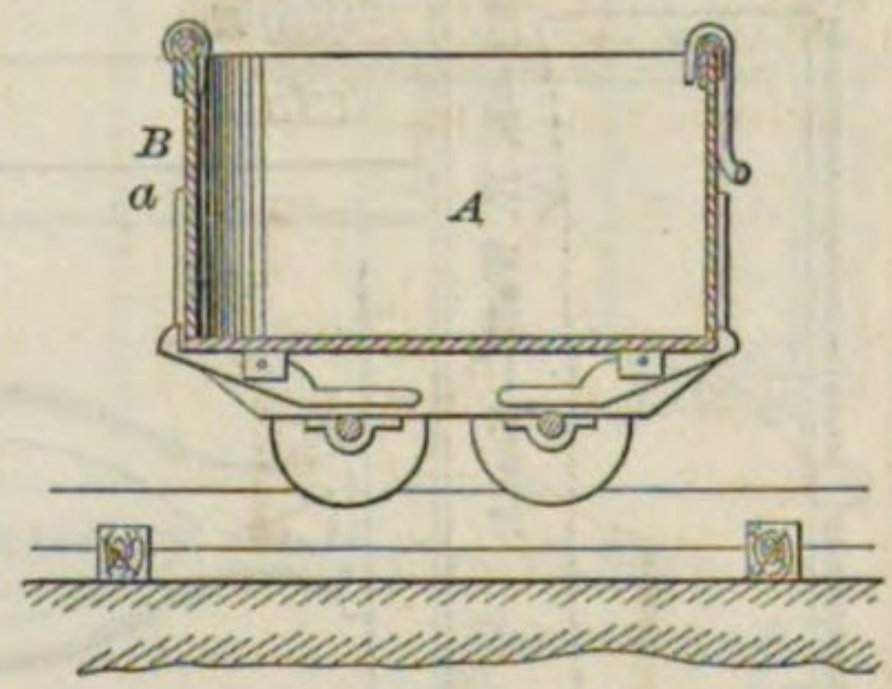
Fig. 2

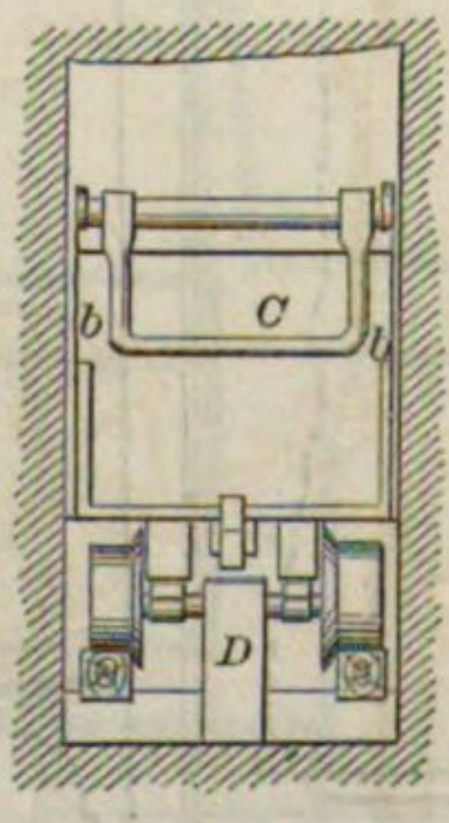


56479—F. H. Williams—*Stench Trap.*

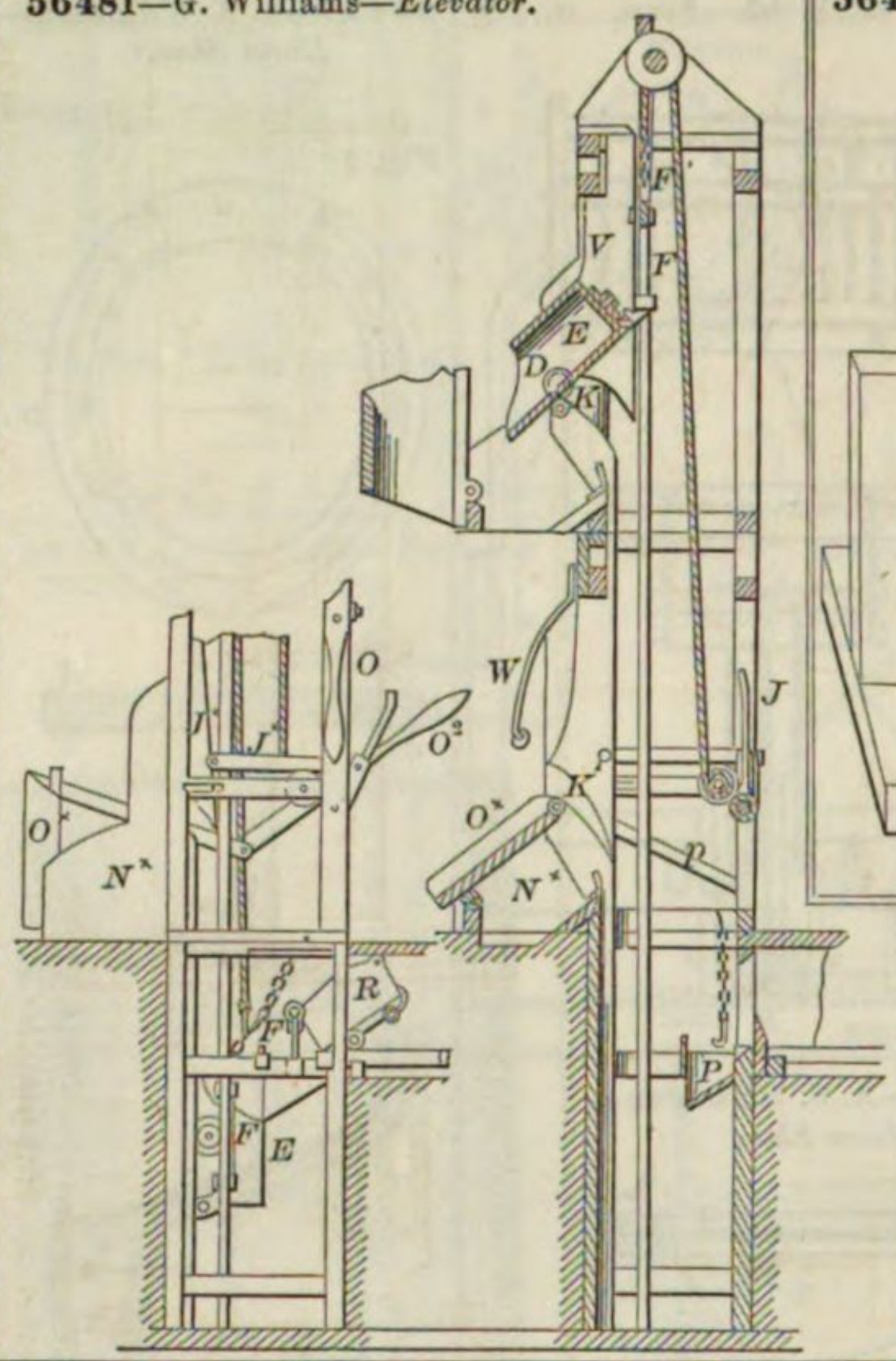


56480—G. Williams—*Car for Mines.*

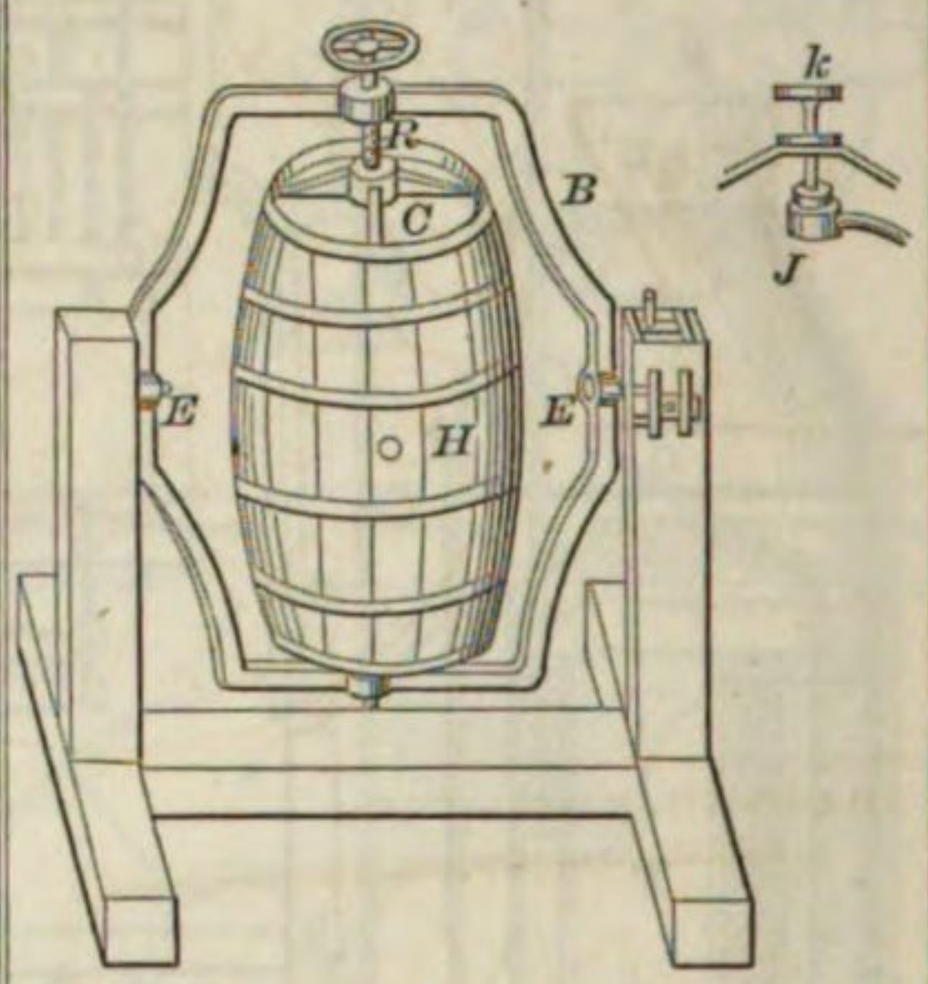




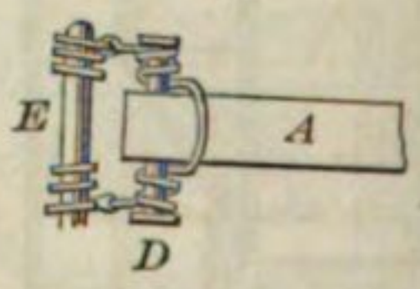
56481—G. Williams—*Elevator.*

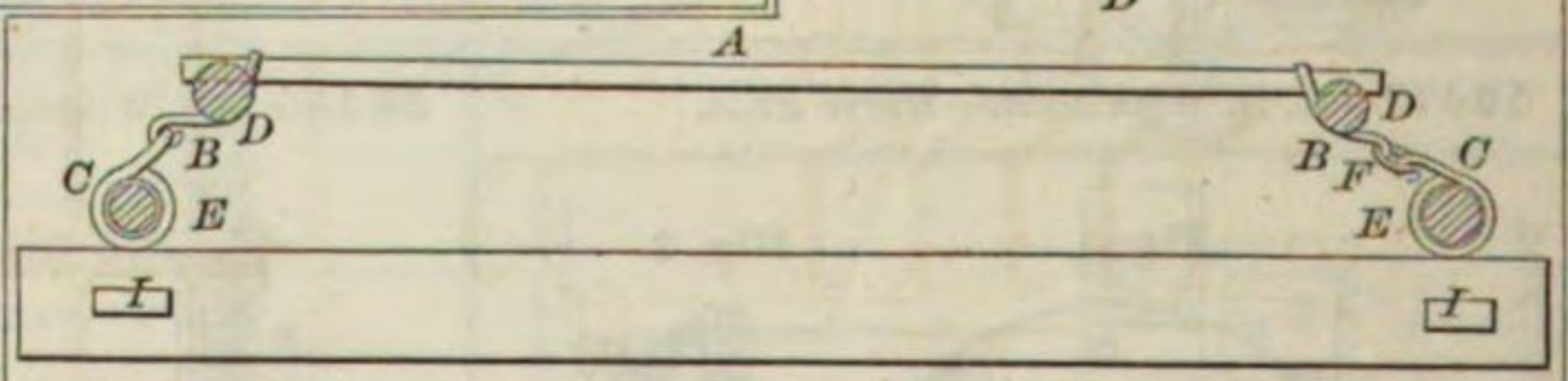


56483—J. O. Woodruff—*Applying Liquids to Casks.*

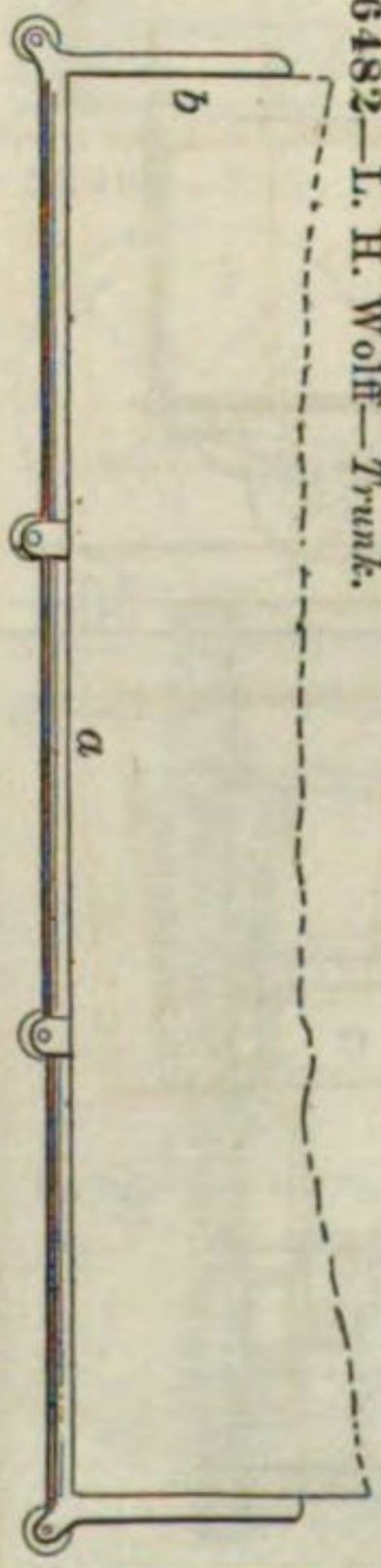


56484—J. Barnes—*Bed Bottom.*

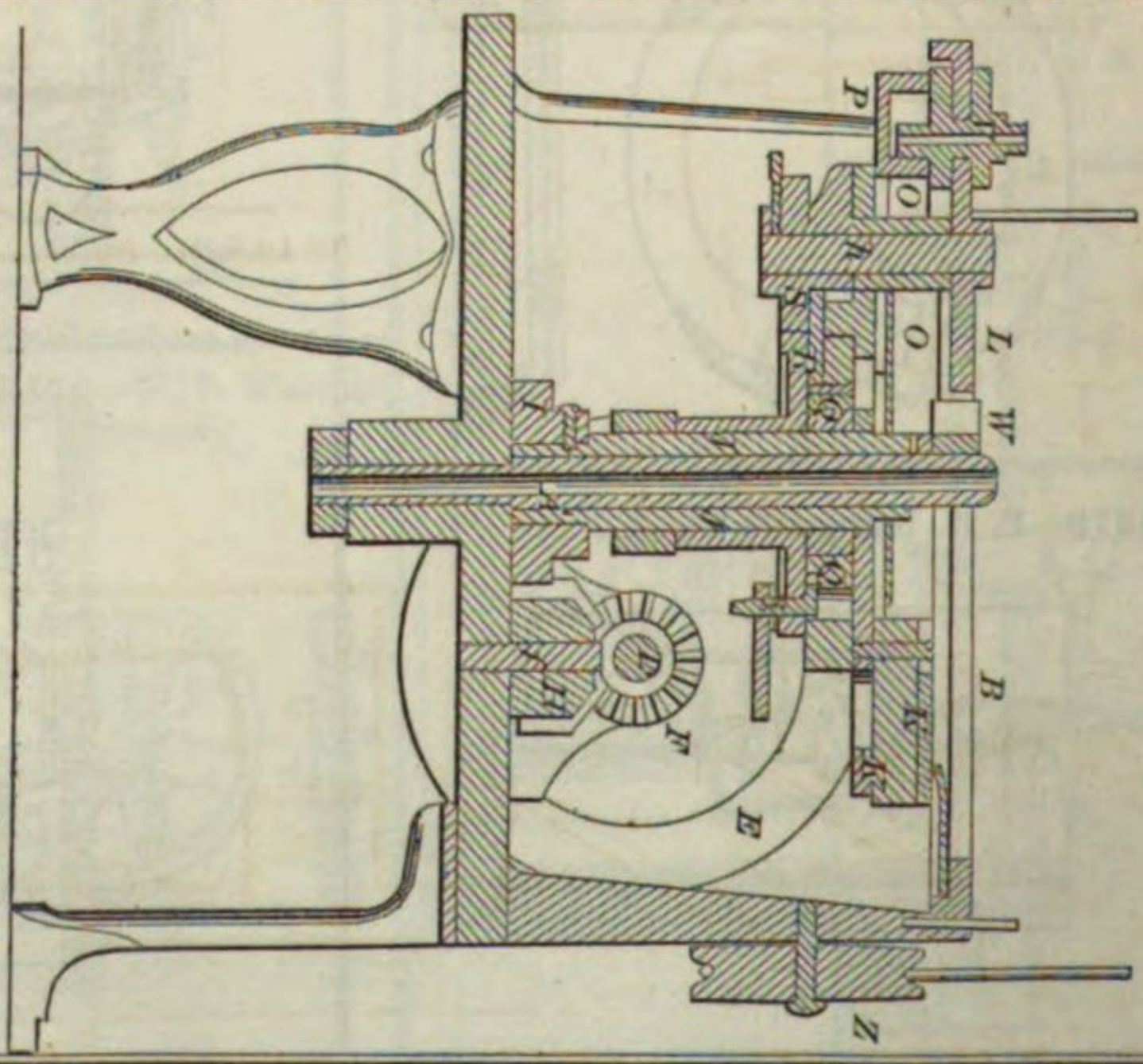




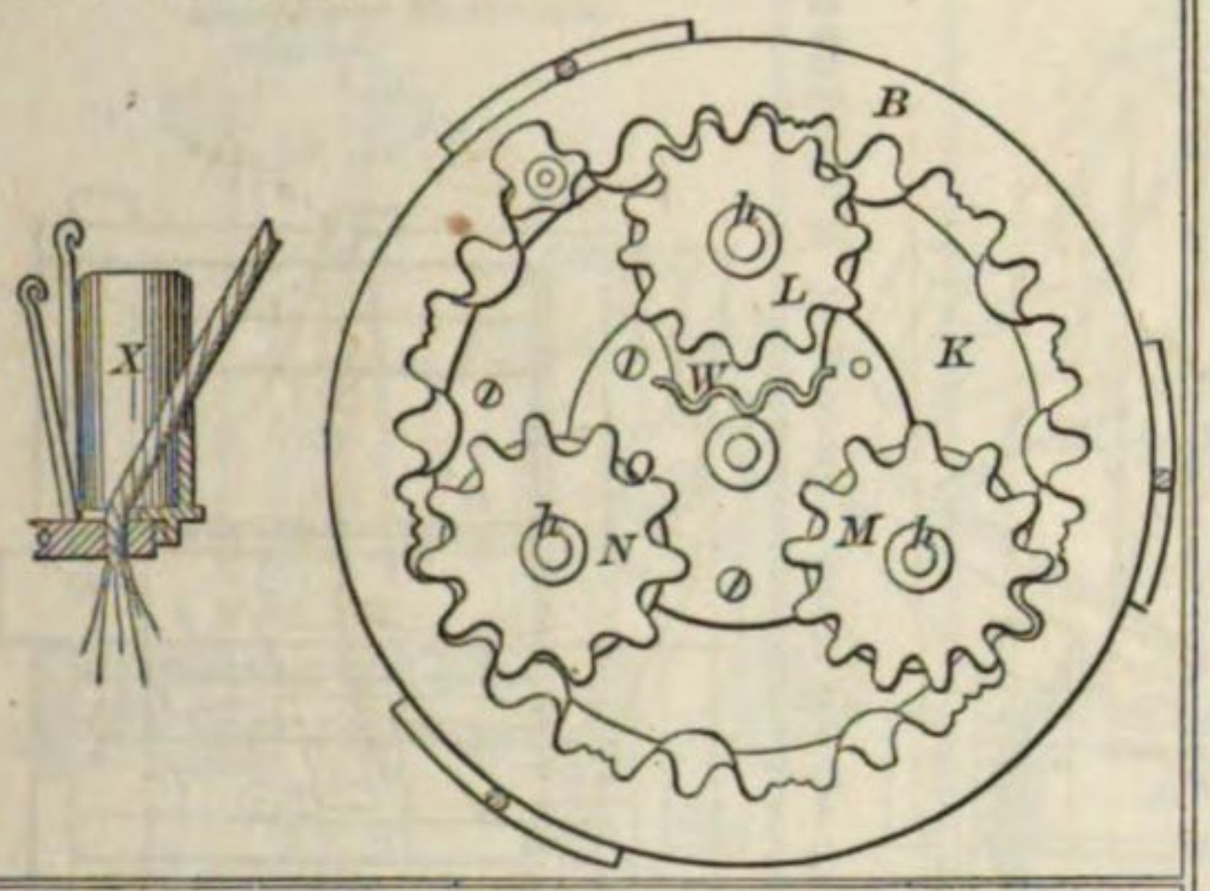
56482—L. H. Wolff—*Trunk.*



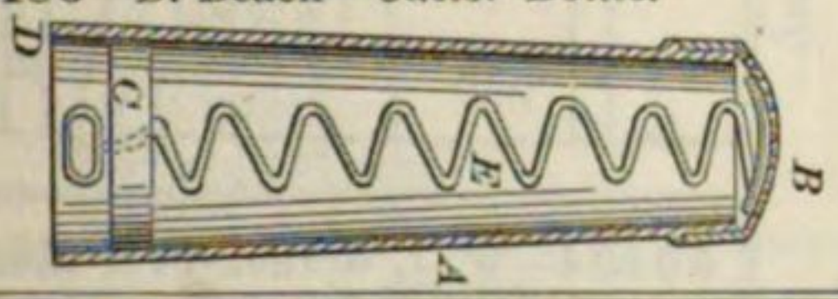
56485—J. A. Bazin—*Cord dags Machine, &c.*



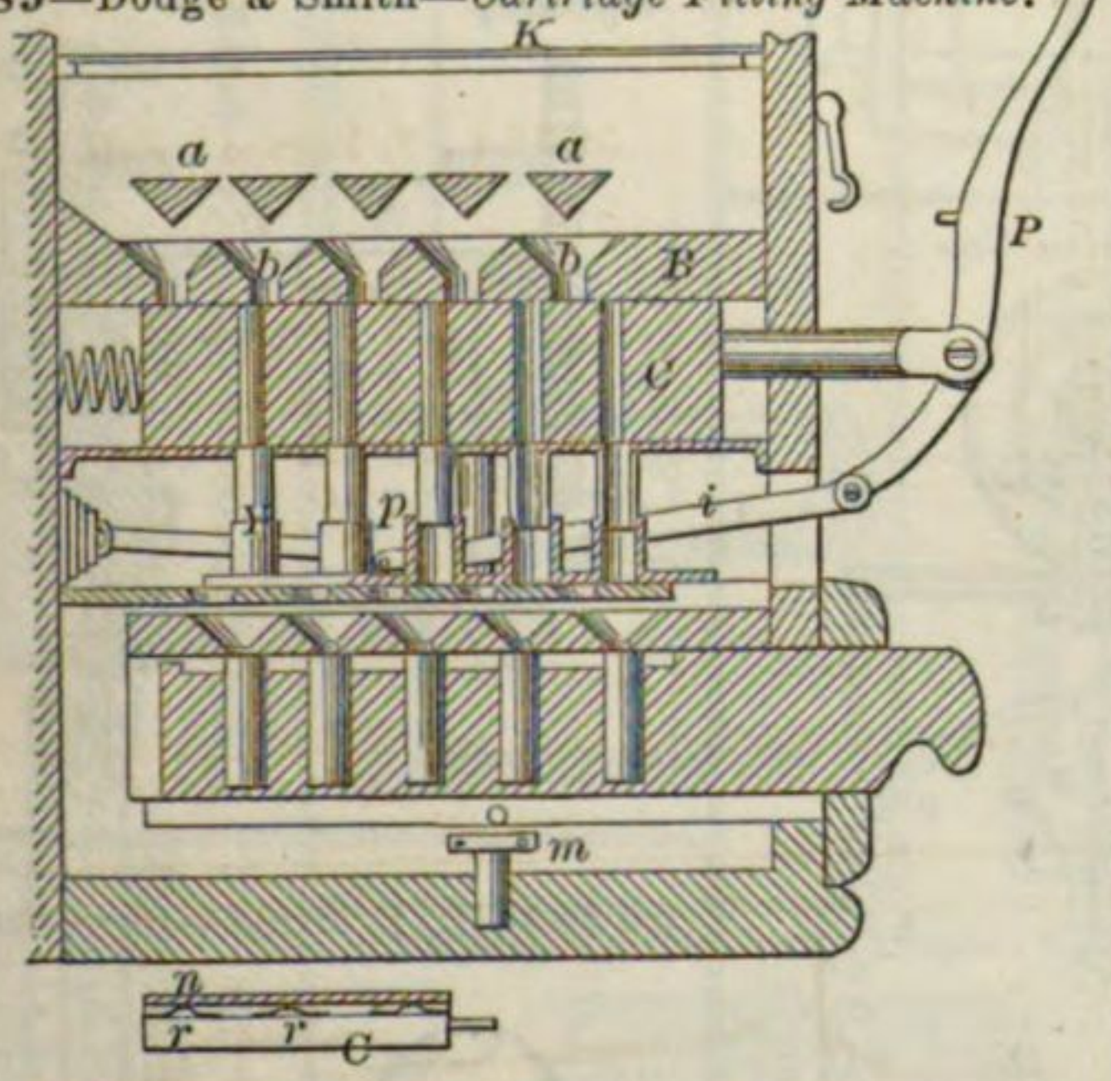
56485—*Contiuned.*

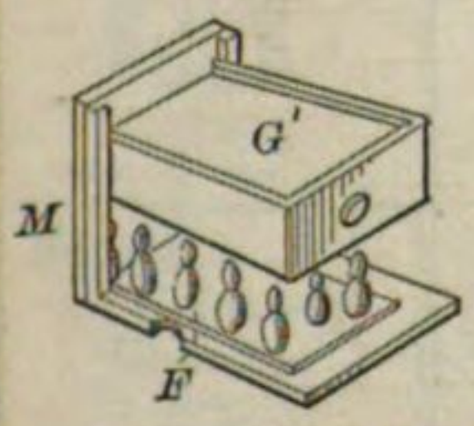


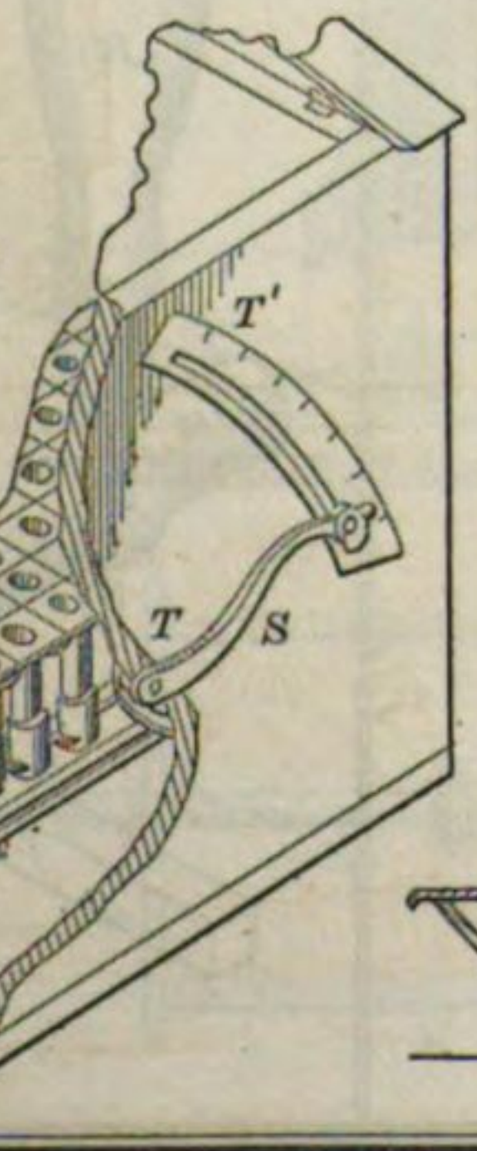
56486—B. Beach—*Castor Bottle.*



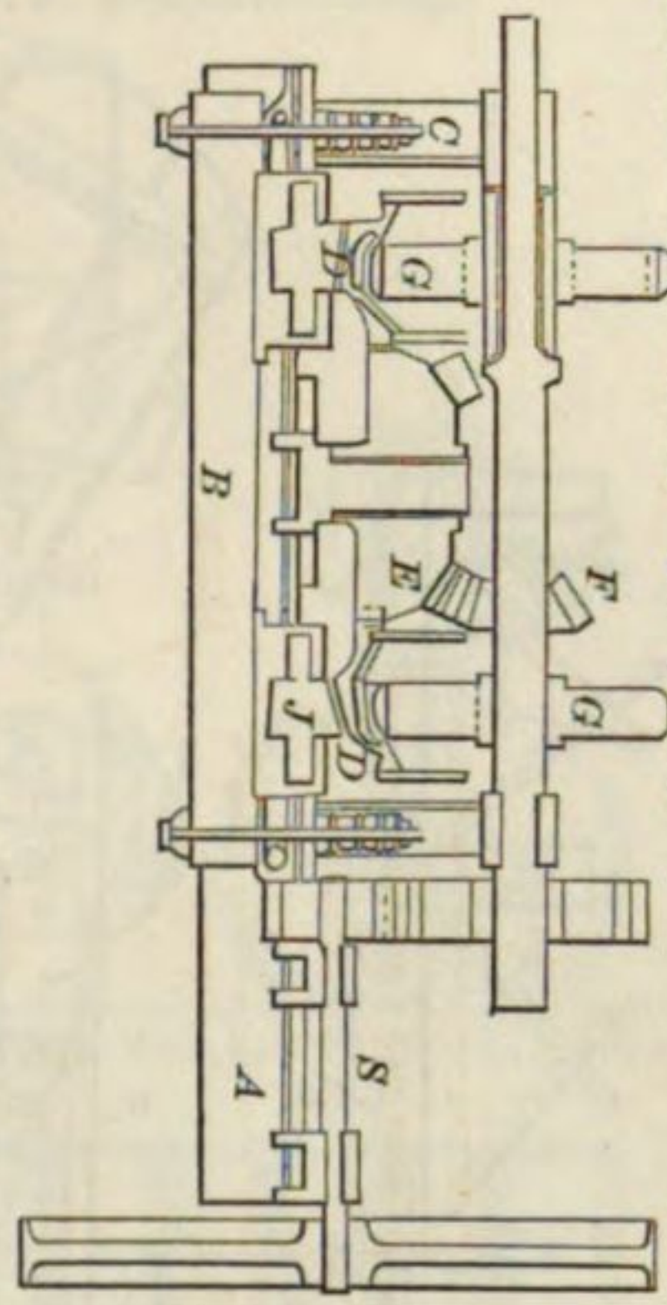
56489—Dodge & Smith—*Cartridge Filling Machine.*



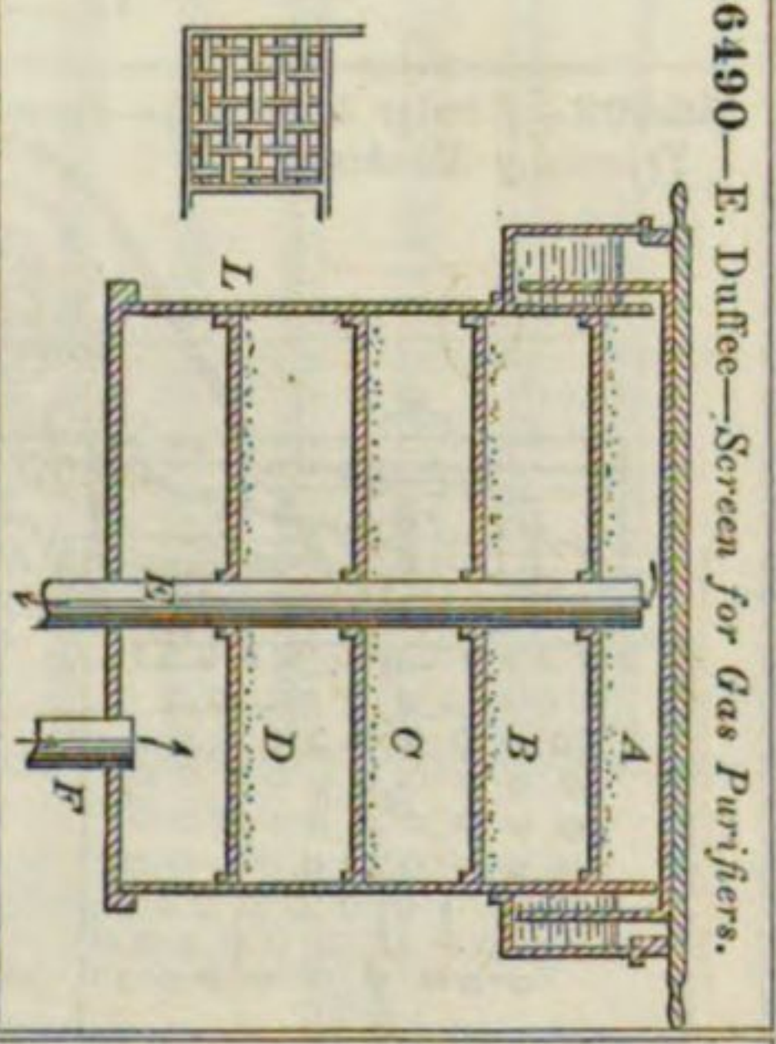




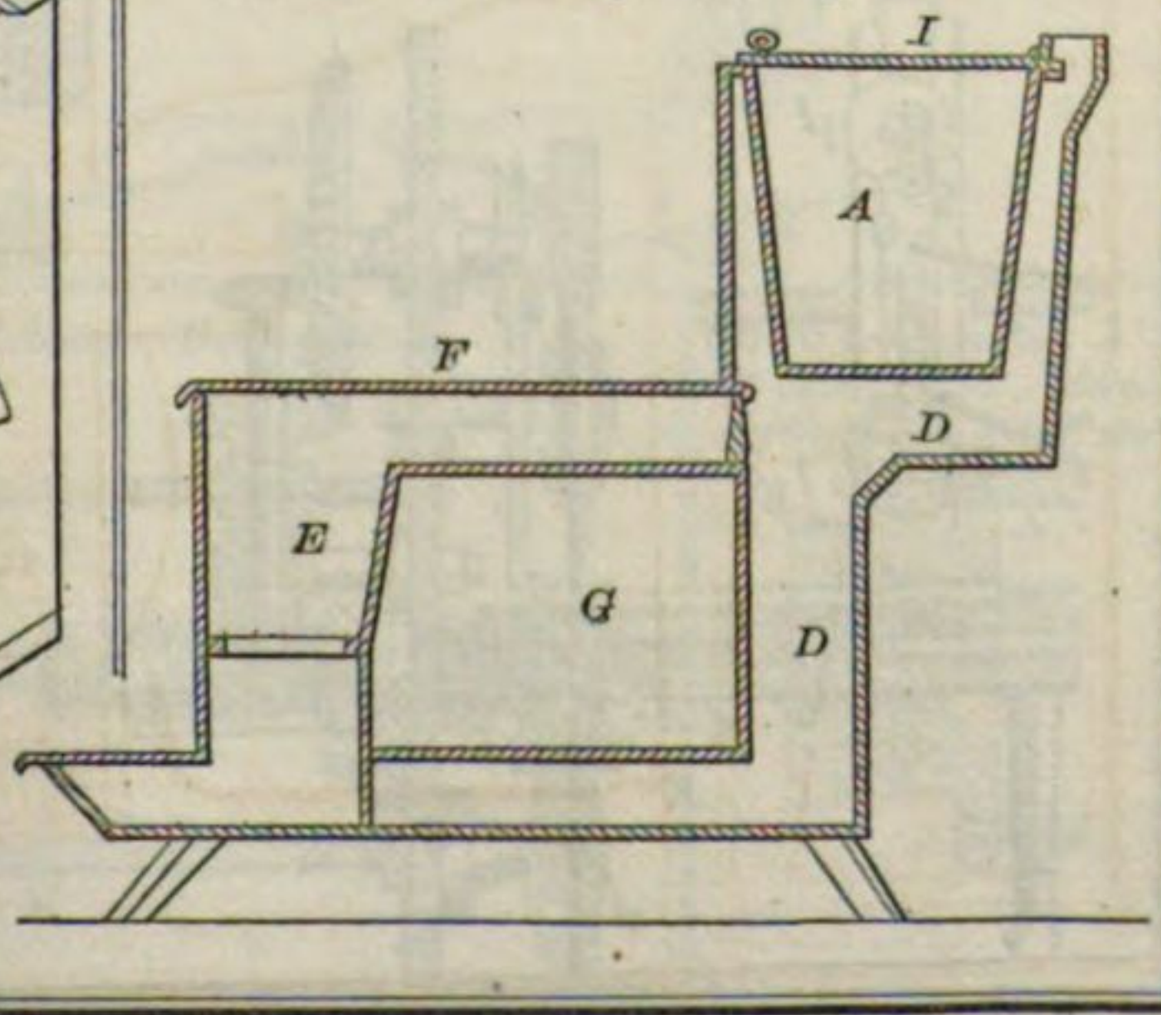
56487—S. W. Bullock—*Quartz Mill.*



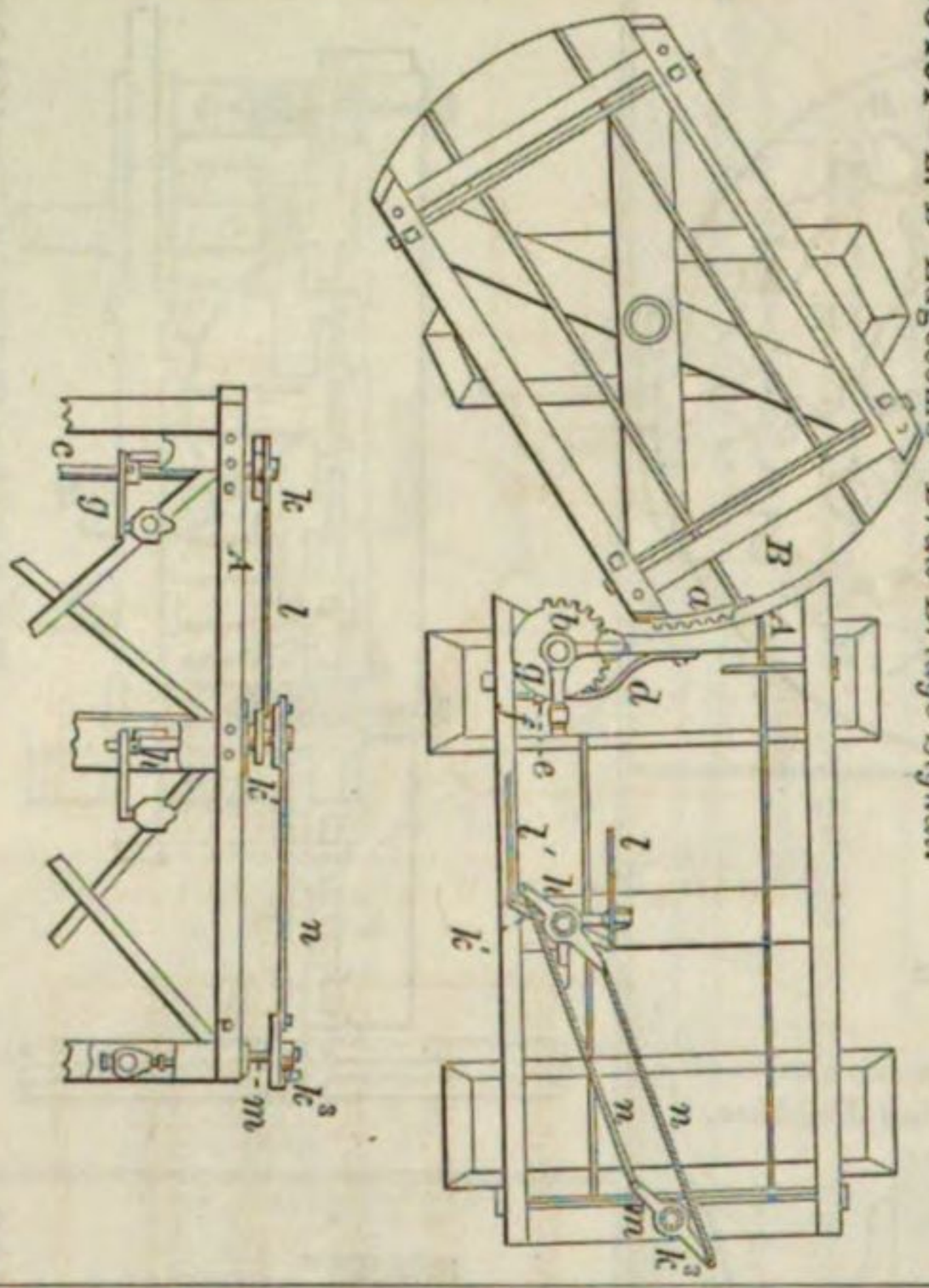
56490—E. Duffee—*Screen for Gas Purifiers.*



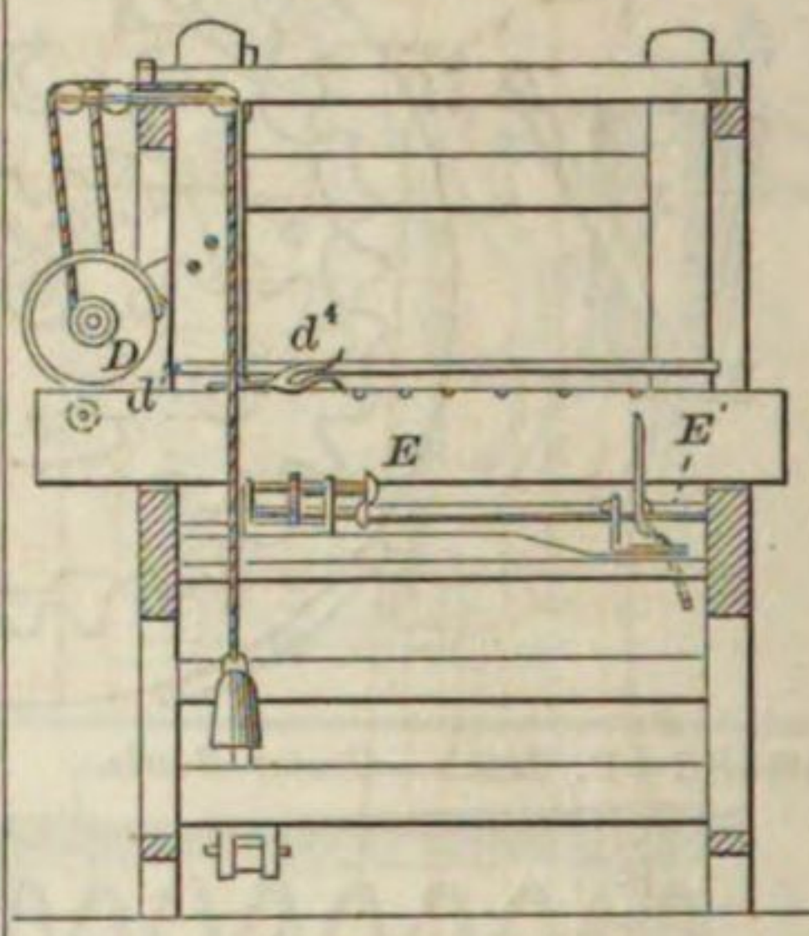
56488—E. Bussey—*Cooking Stove.*



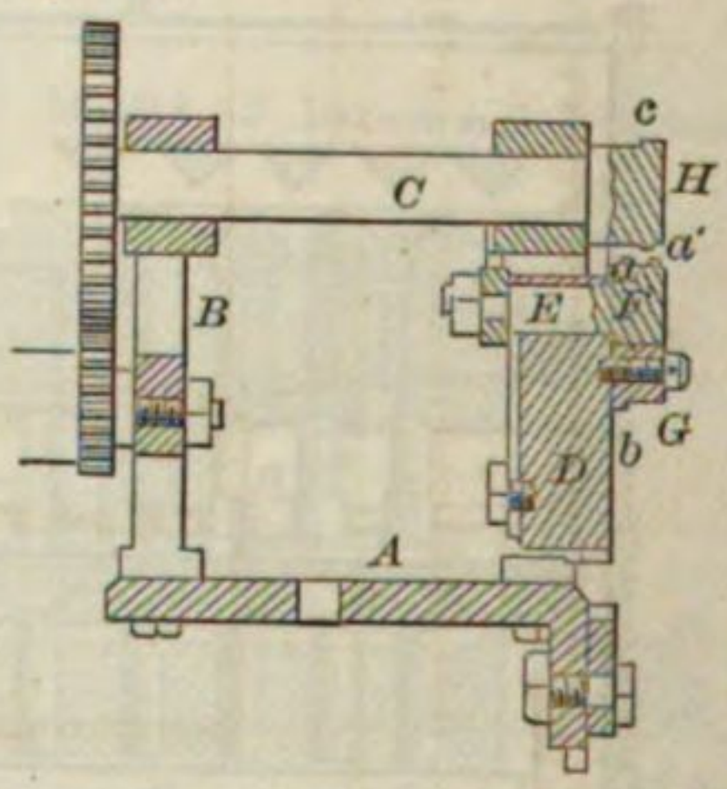
56491—L. B Edgecomb—*Draw Bridge Signal.*



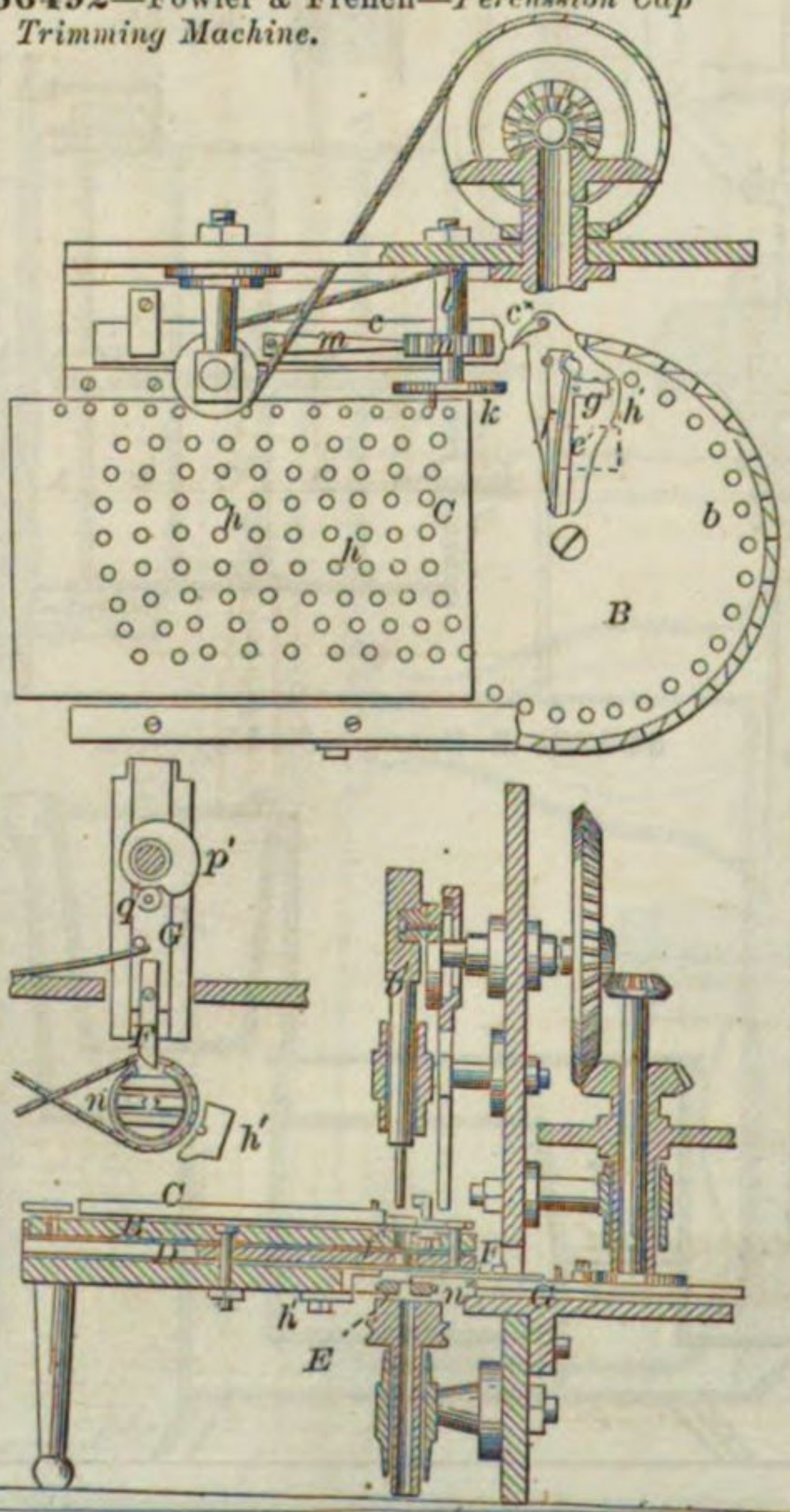
56493—M. Free—*Slat Blind Loom.*



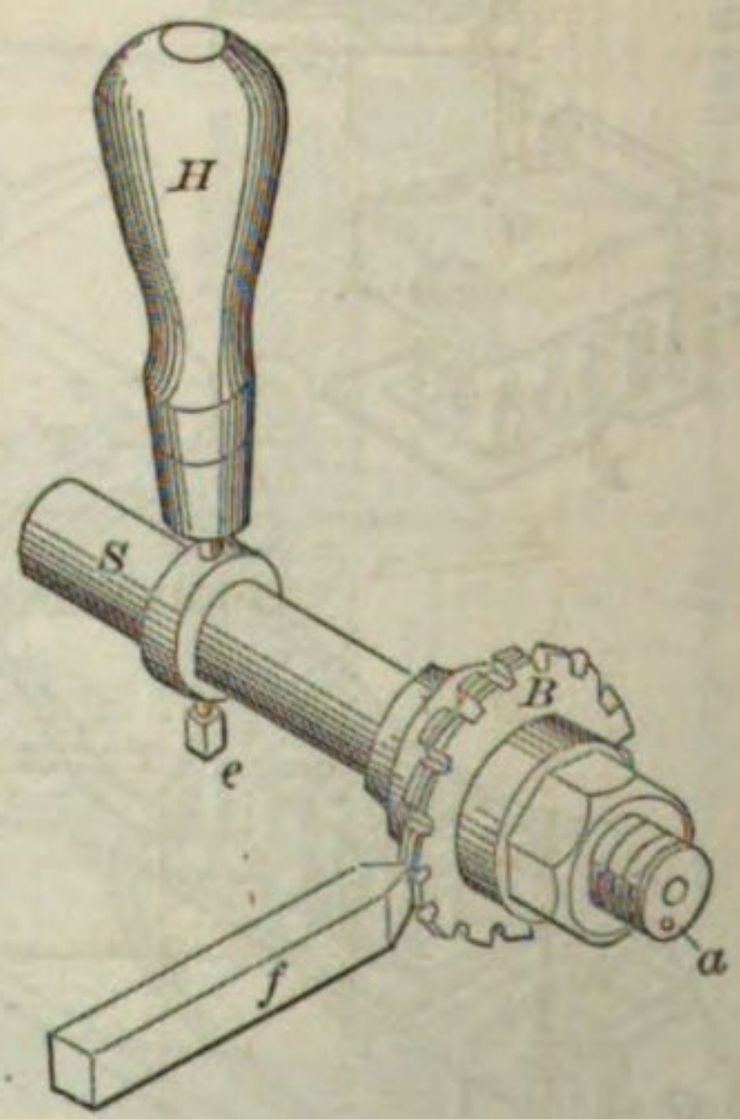
56494—W. J. Gordon—*For Securing the Ends of Strips of Sheet Metal together.*



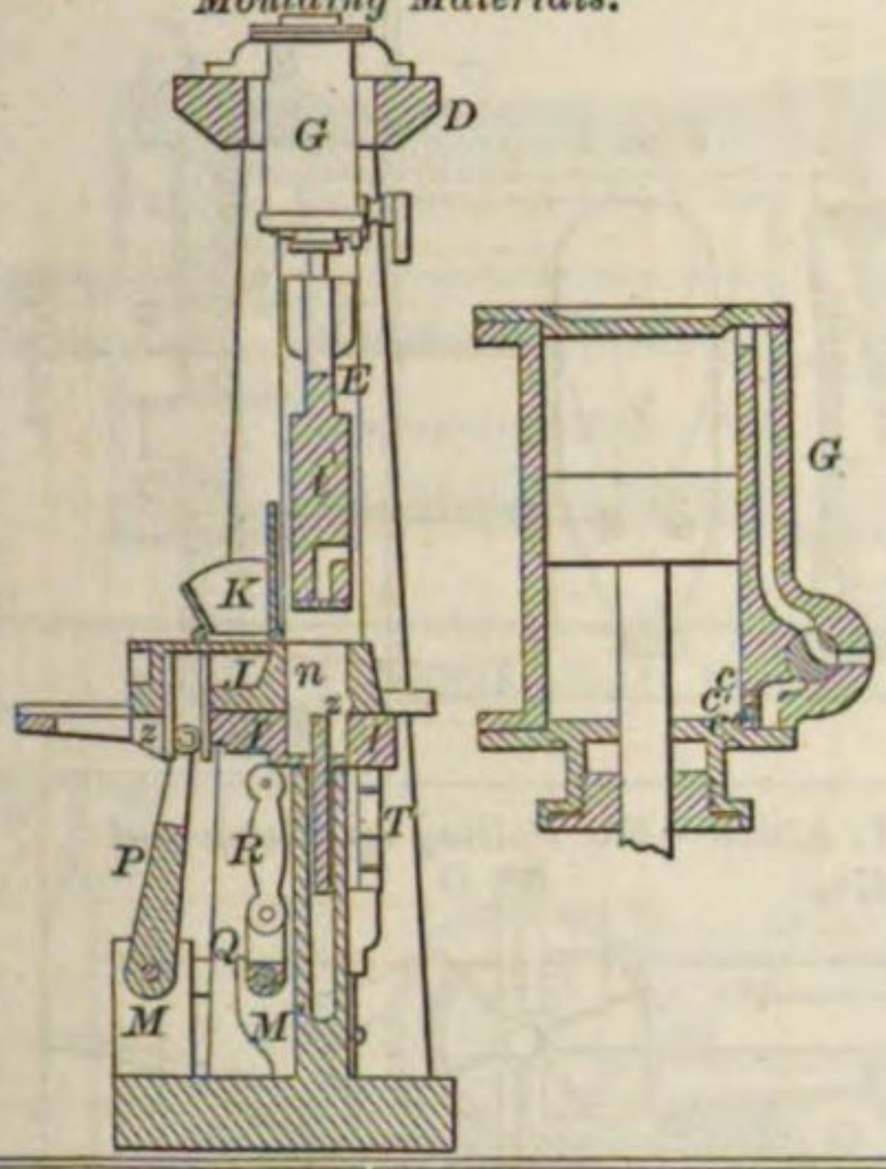
56492—Fowler & French—*Percussion Cap Trimming Machine.*



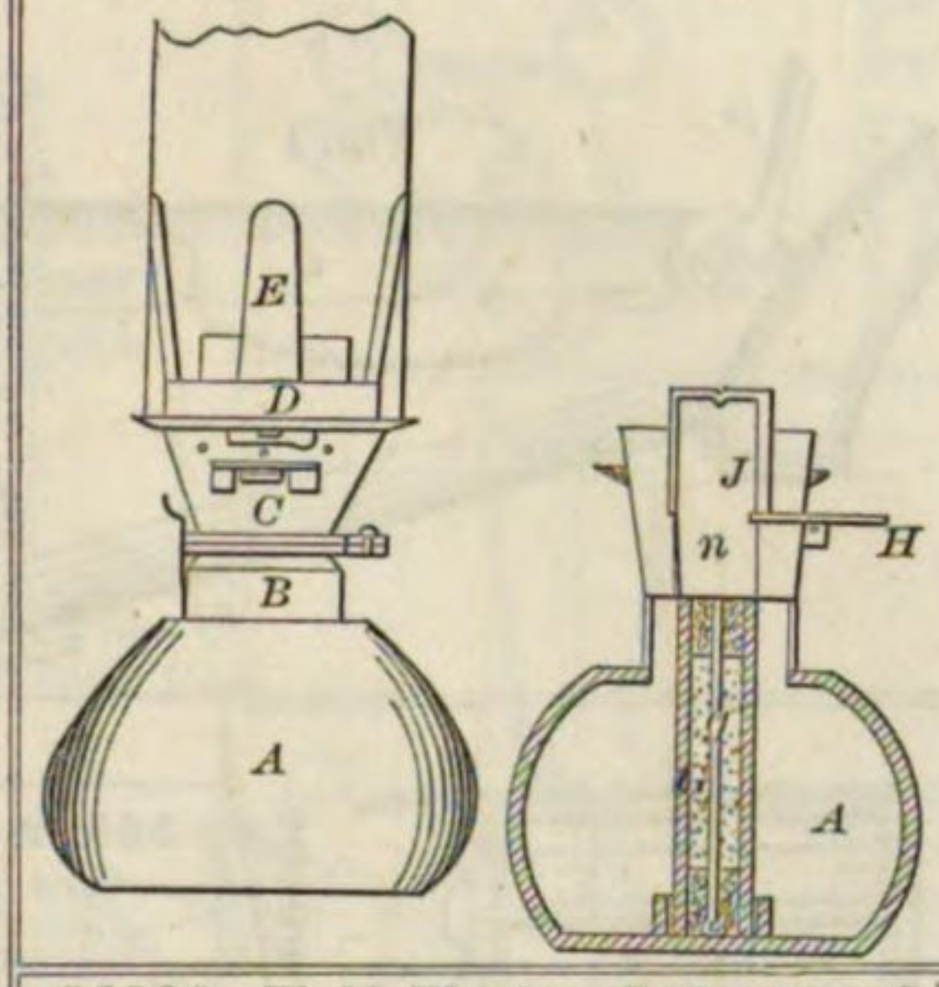
56495—L. F. Grant—*Gear Cutter*



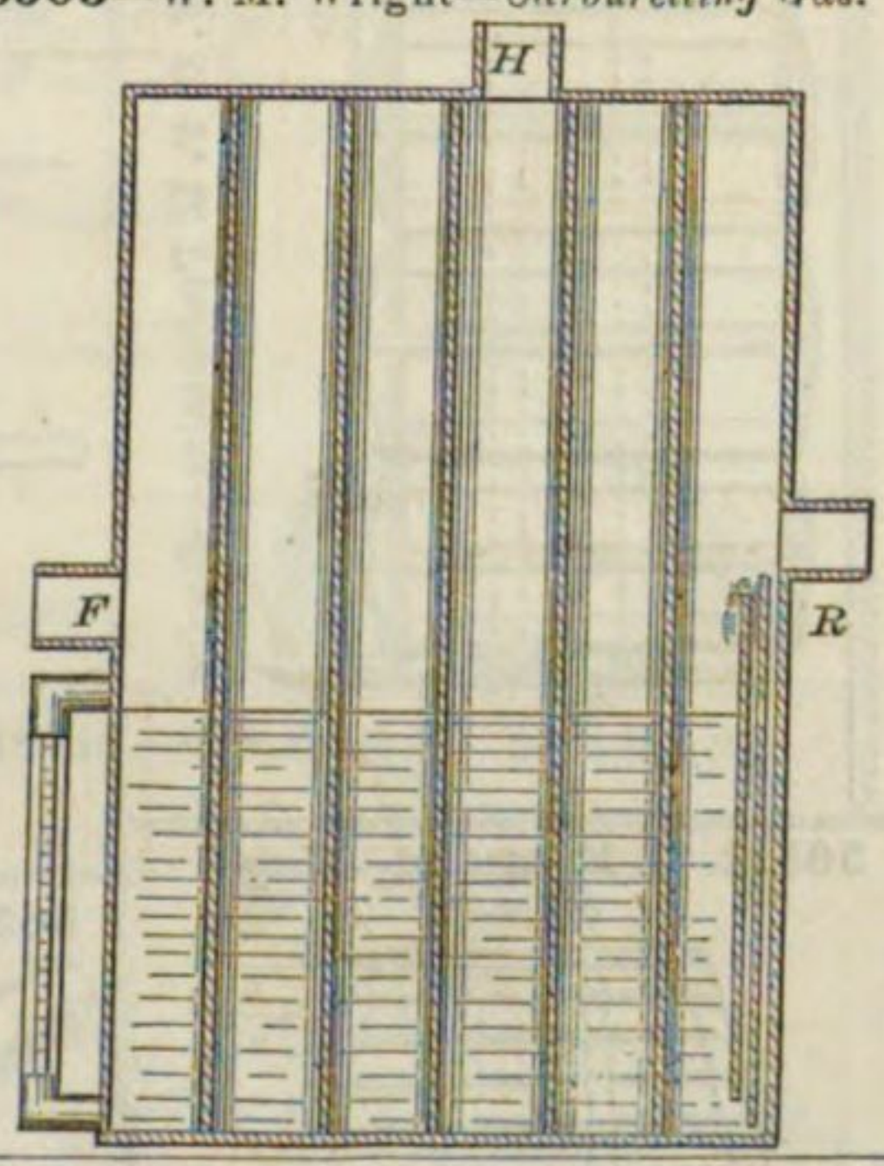
56496—Greacen, Foster & Cooper—*For Moulding Materials.*



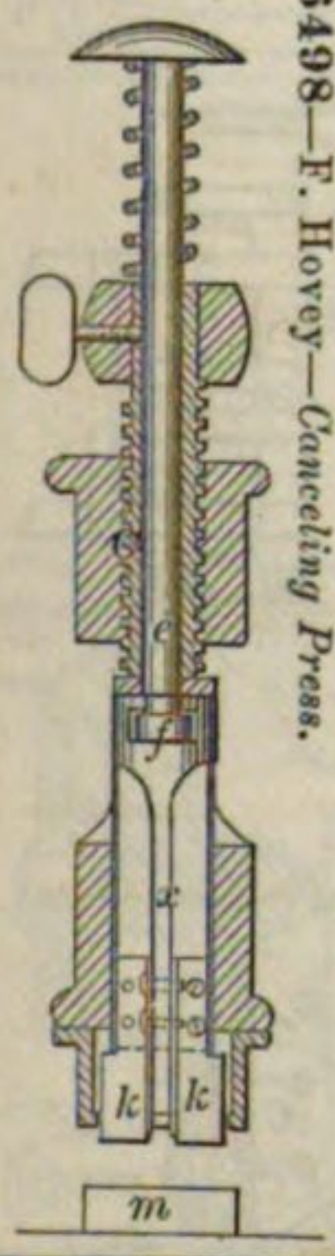
56497—B. J. Hoffacker—*Lamp.*



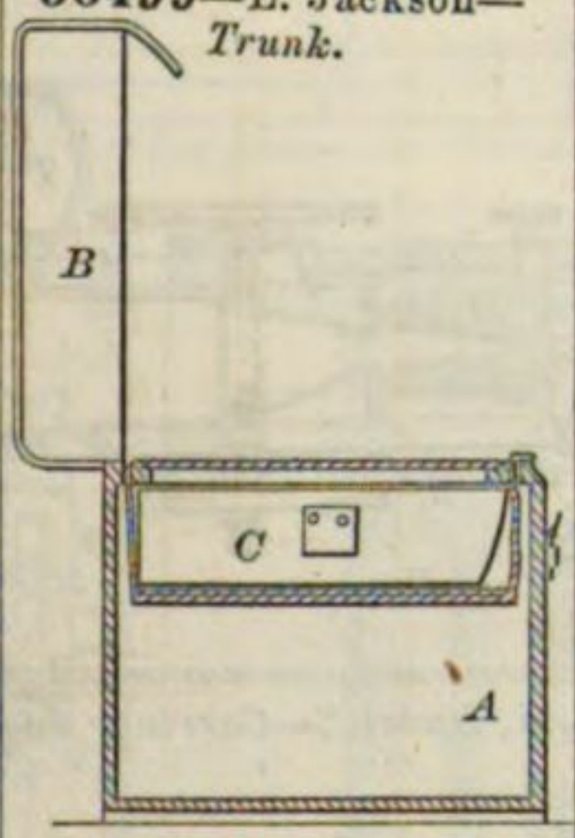
56503—W. M. Wright—*Carburetting Gas.*



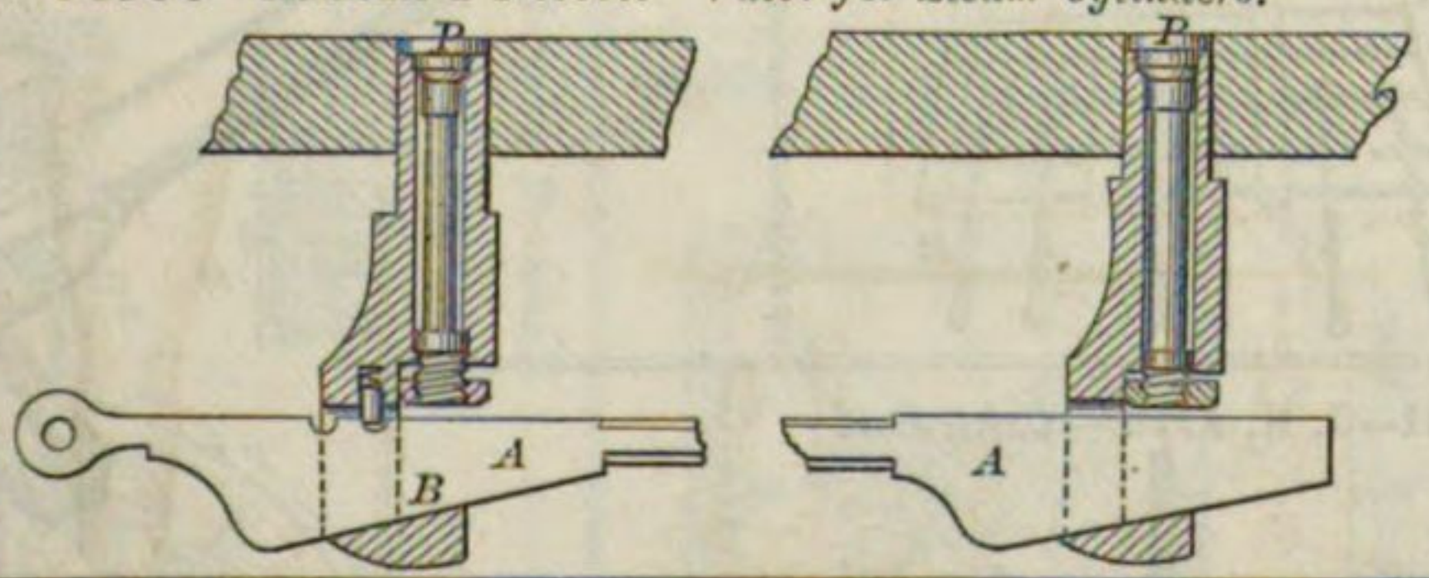
56498—F. Hovey—*Canceling Press.*



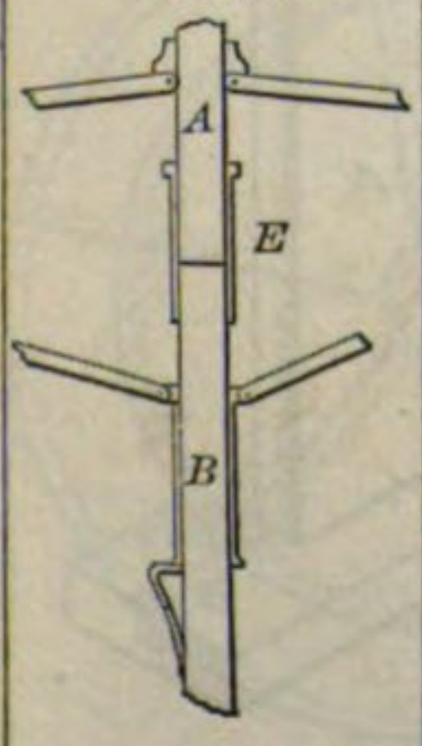
56499—L. Jackson—*Trunk.*



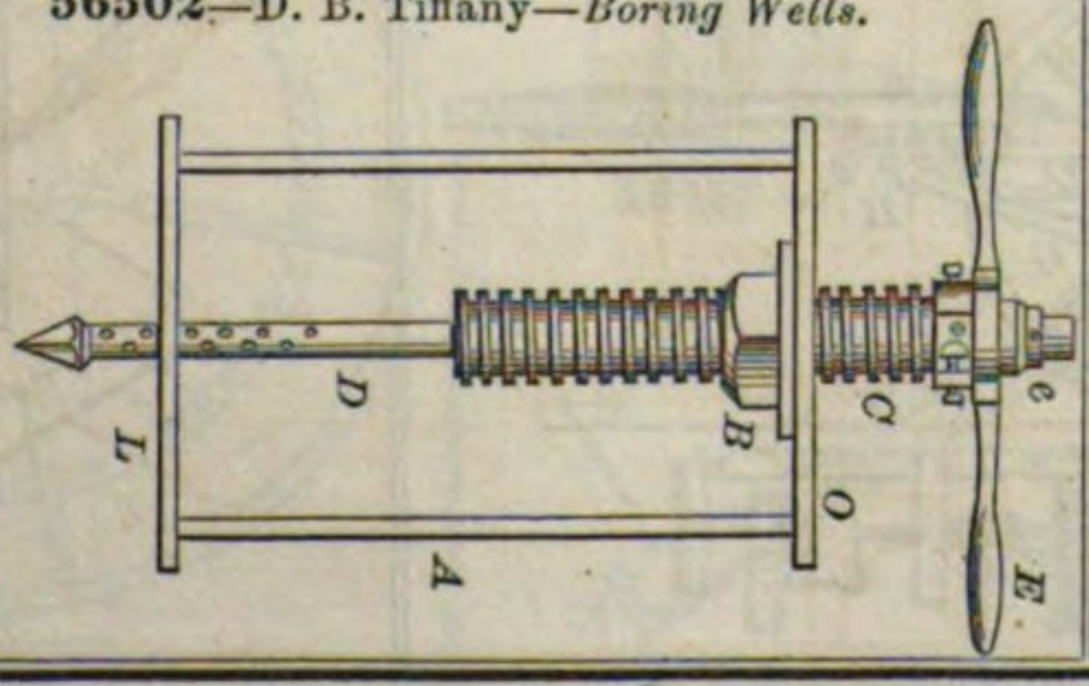
56500—Kimball & Norcott—*Valve for Steam Cylinders.*



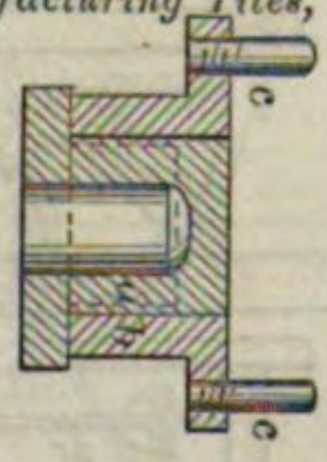
56501—G. B. Lego—*Umbrella.*



56502—D. B. Tiffany—*Boring Wells.*



56504—Boulton & Worthington—*Manufacturing Tiles, &c.*



56506—C. W. Jones—*Fire Arm.*

Fig. 1

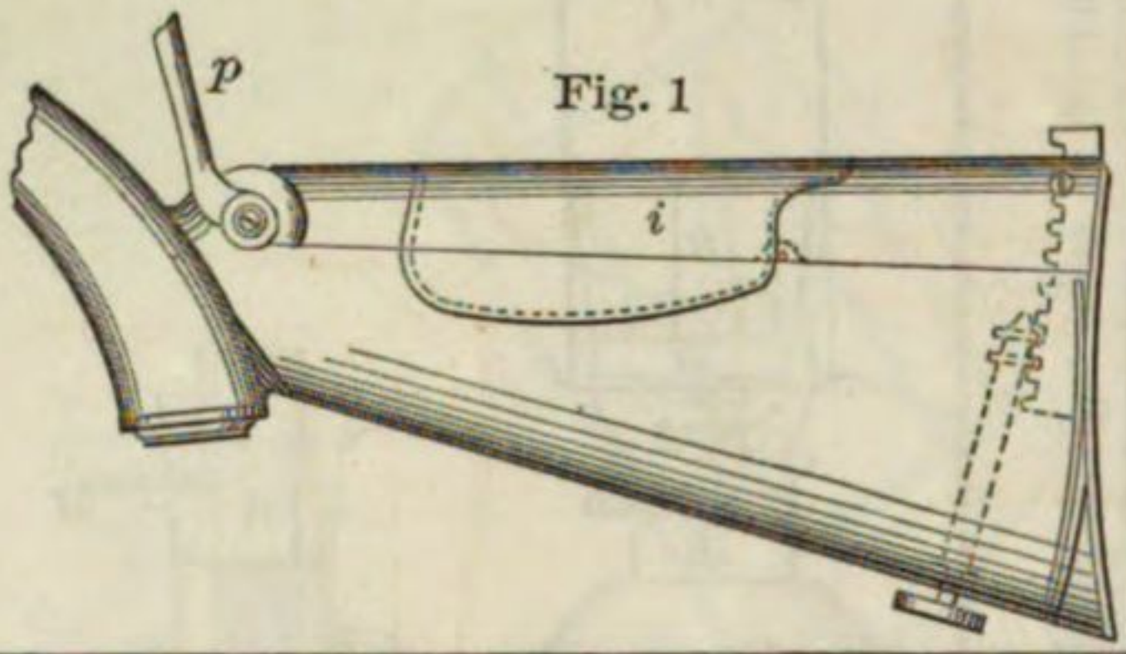
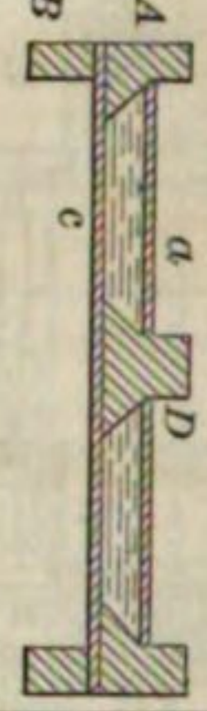
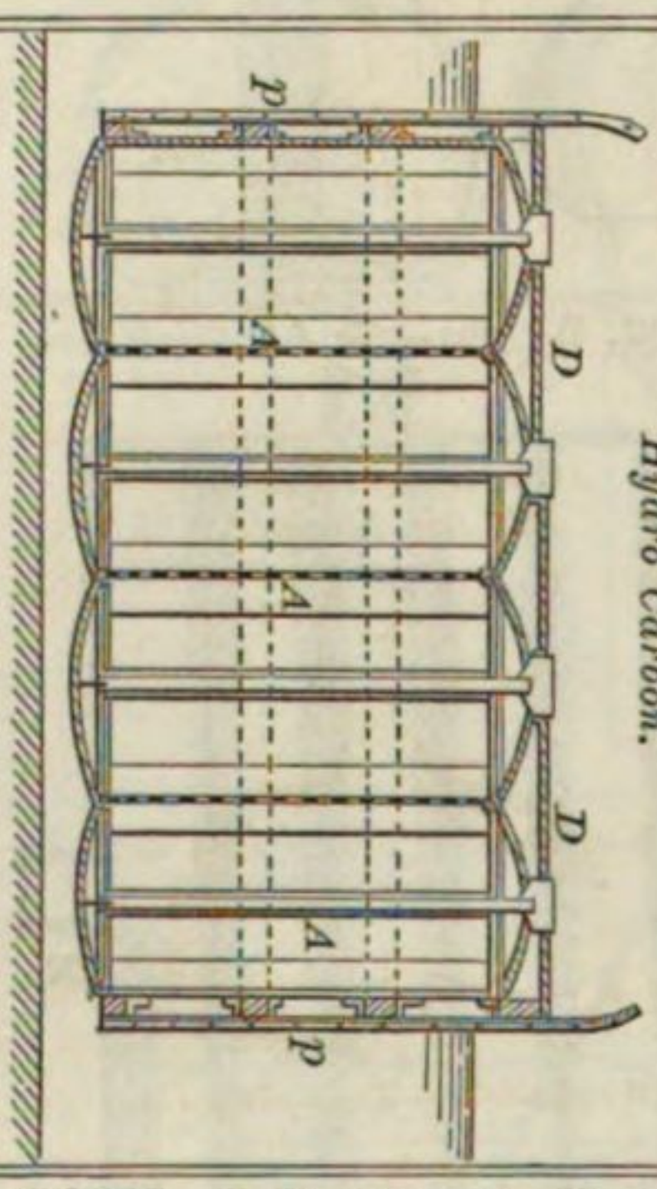


Fig. 2

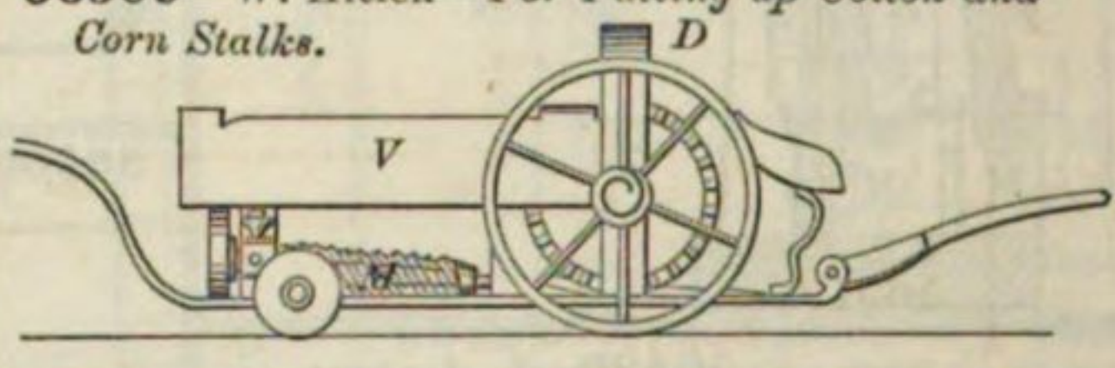
56507—R. Keck—*For Silvering Mirrors.*

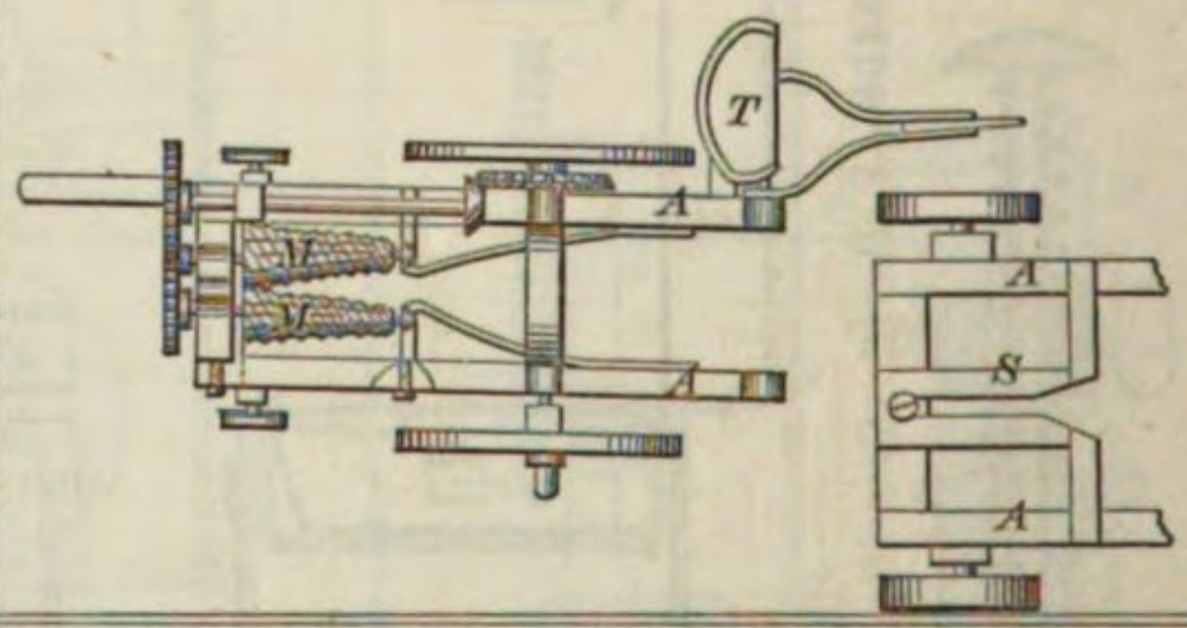


56508—P. C. P. L. Prefontaine—*Storing Hydro Carbon.*

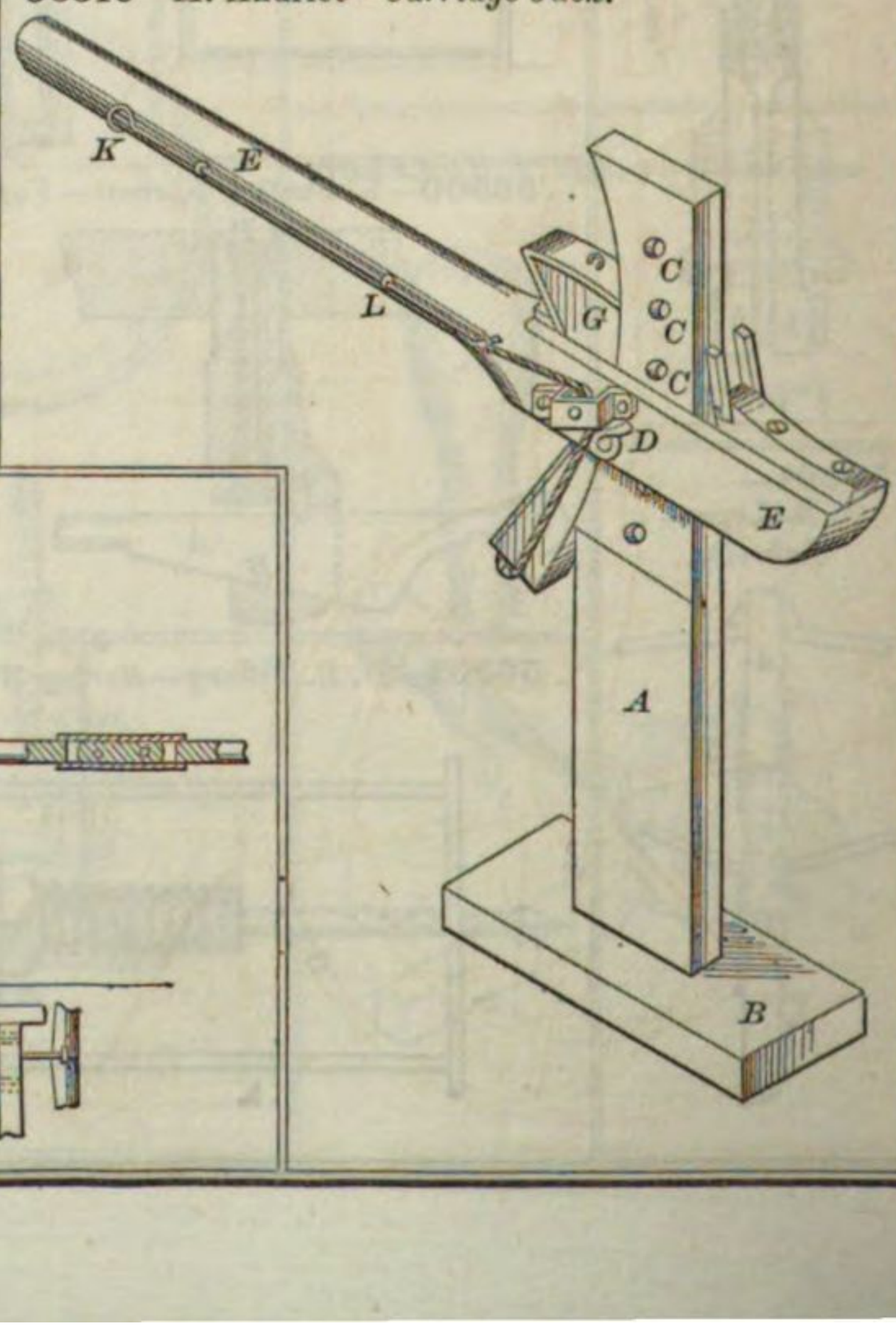


56509—W. Altick—*For Pulling up Cotton and Corn Stalks.*

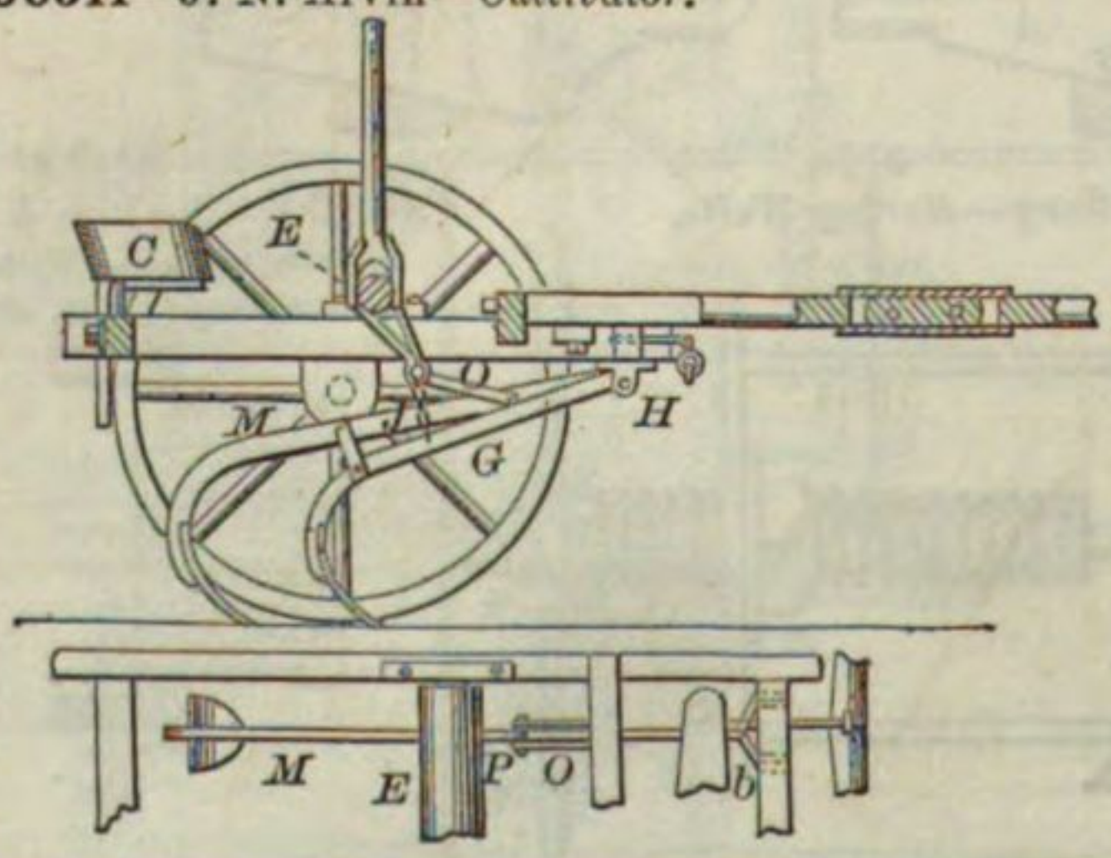




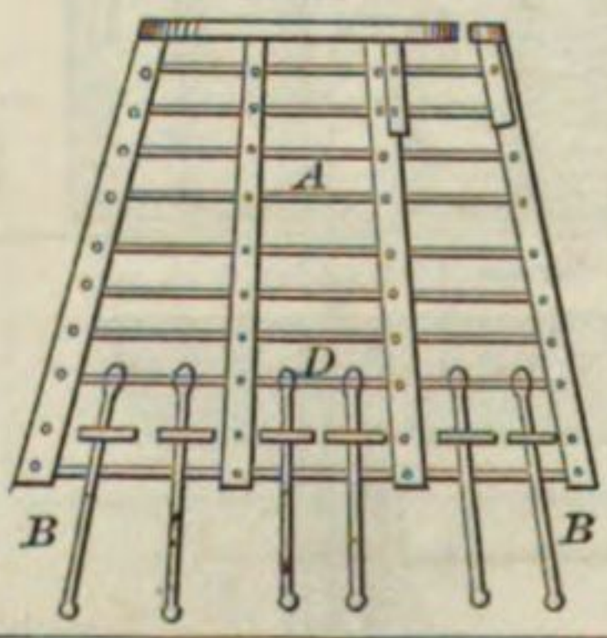
56510—M. Andriot—*Carriage Jack.*



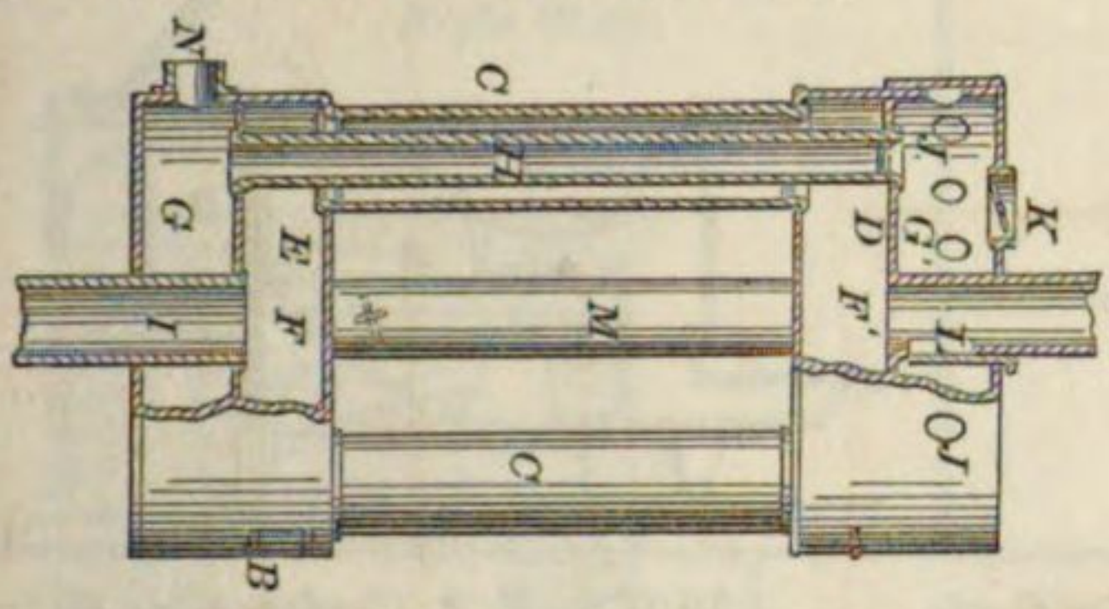
56511—J. N. Arvin—*Cultivator.*



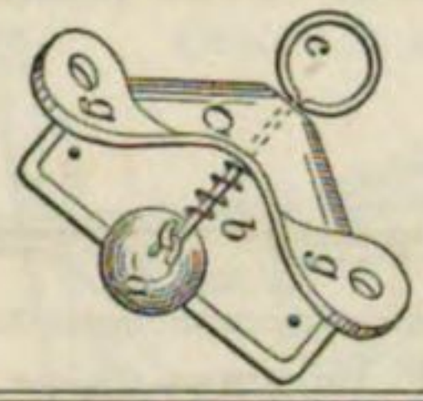
56512—J. E. Atwood—*Hoop Skirt.*

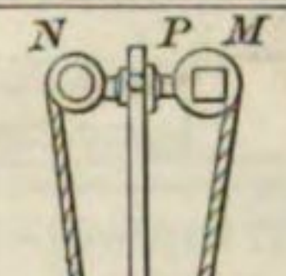


56514—F. A. Balch—*Stove Pipe Drum.*

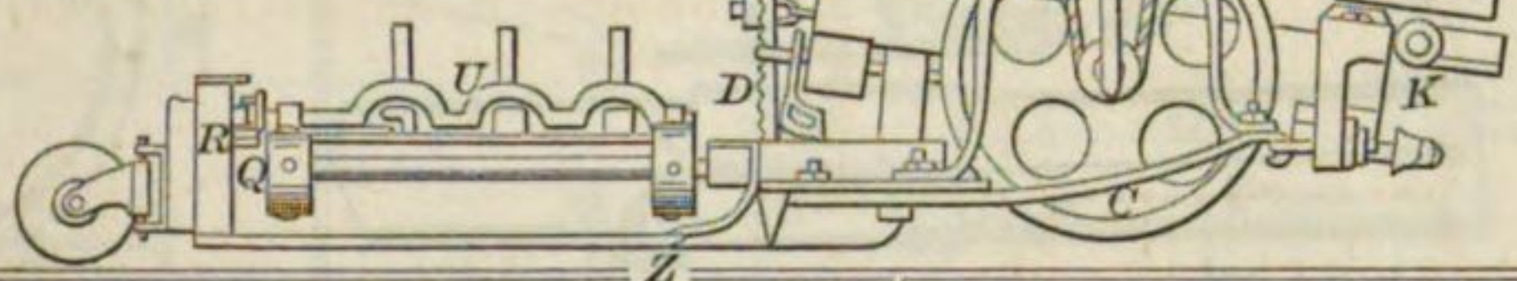


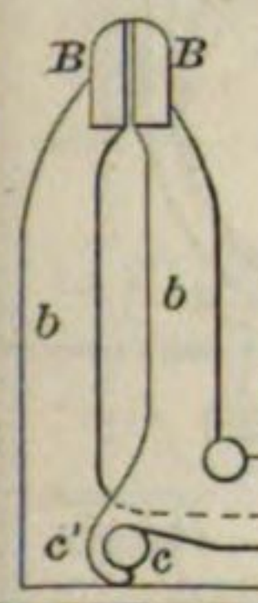
56515
S. D. Baldwin—
Sash Supporter.



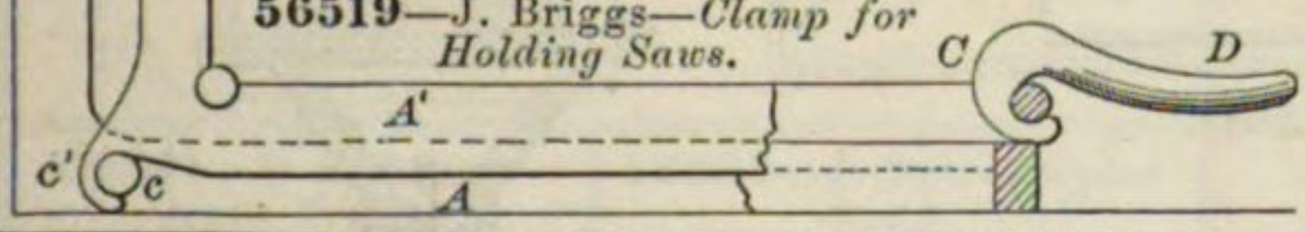


56521—R. D. Brown—*Harvester Rake.*

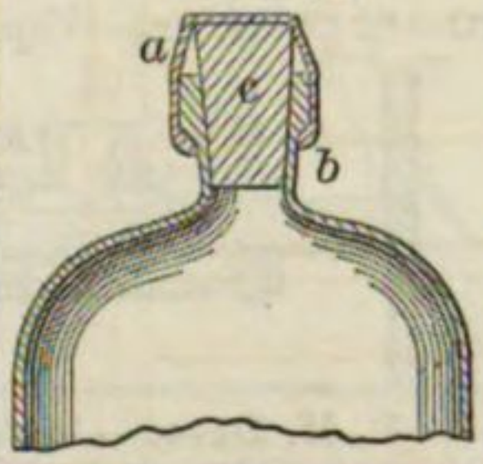


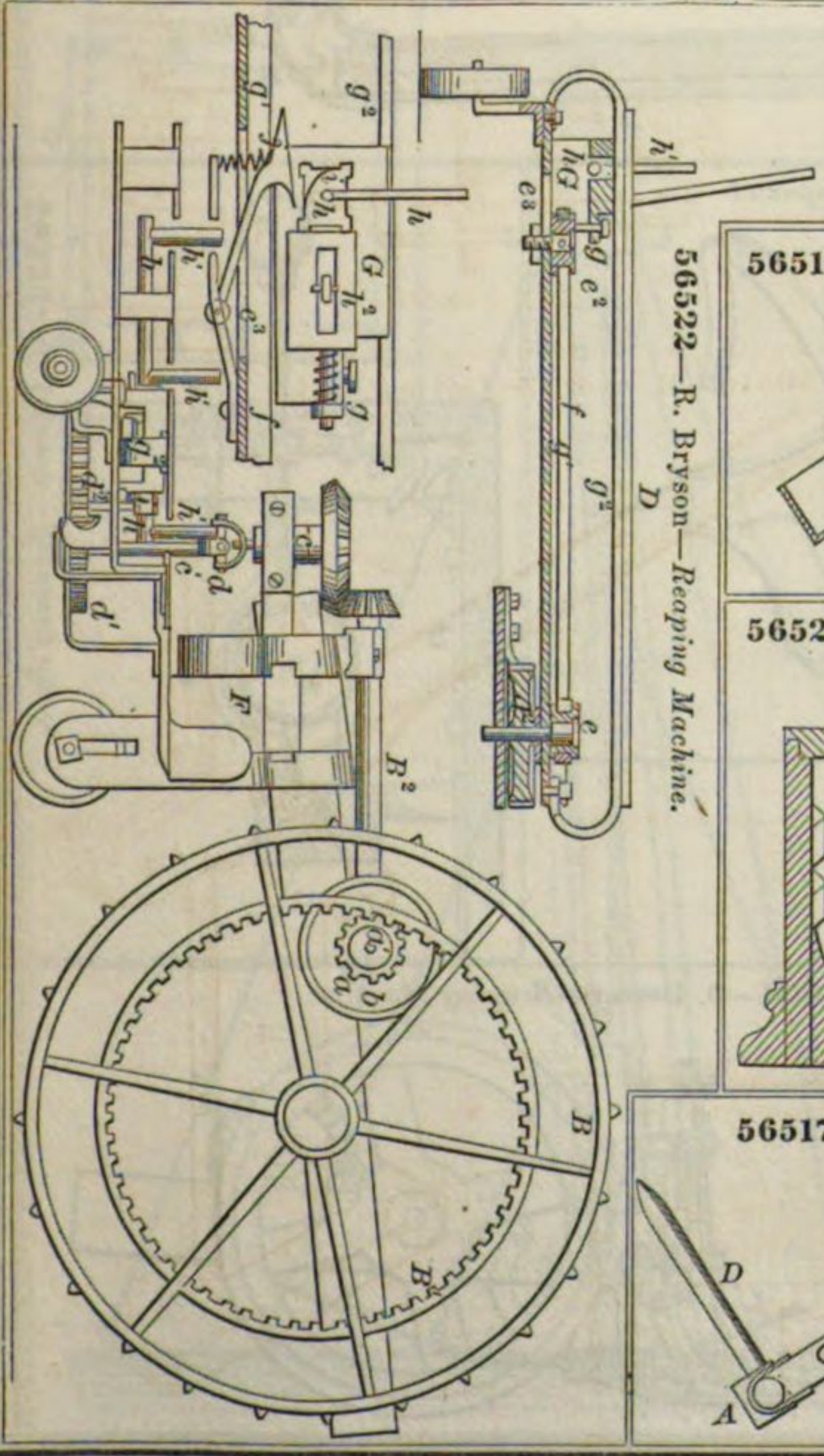


56519—J. Briggs—*Clamp for Holding Saws.*



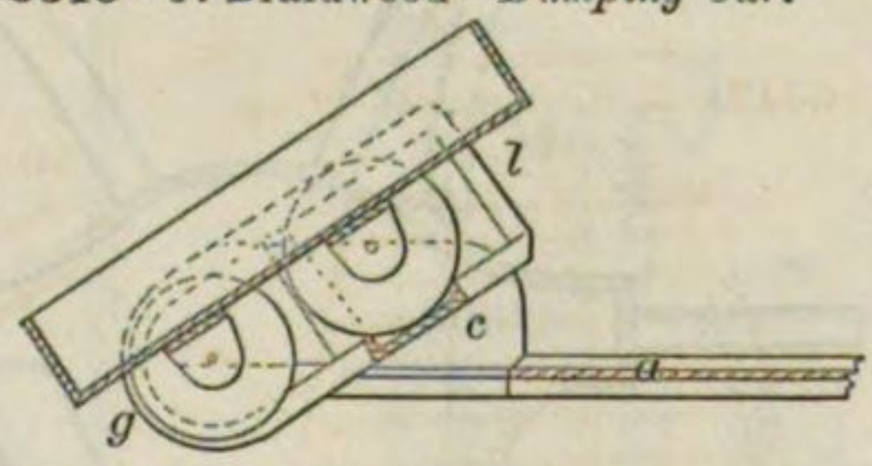
56516—A. Barbarin—
Bottle Stopper.



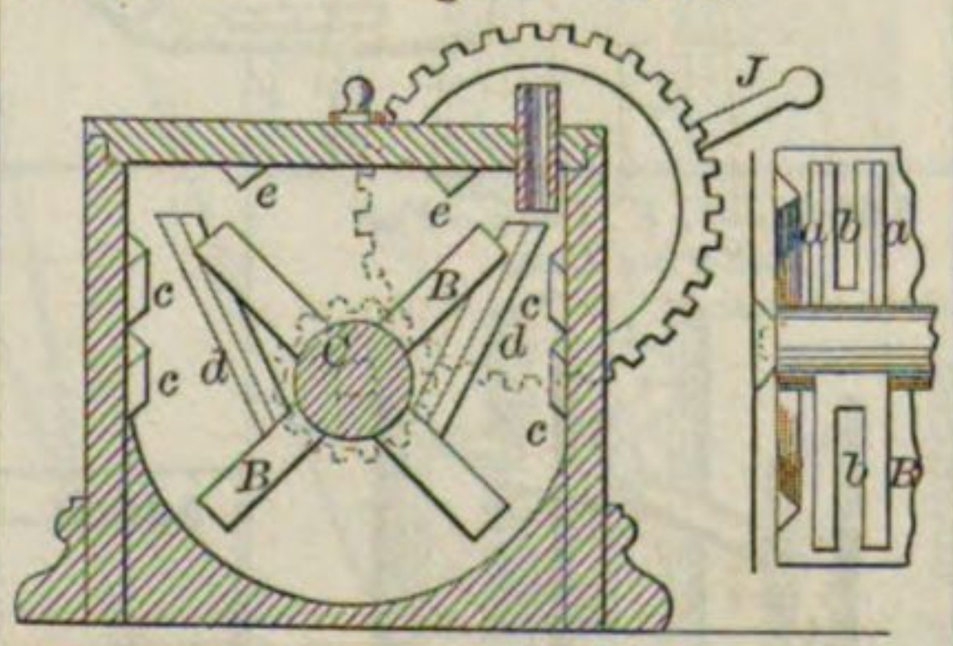


56522—R. Bryson—*Reaping Machine.*

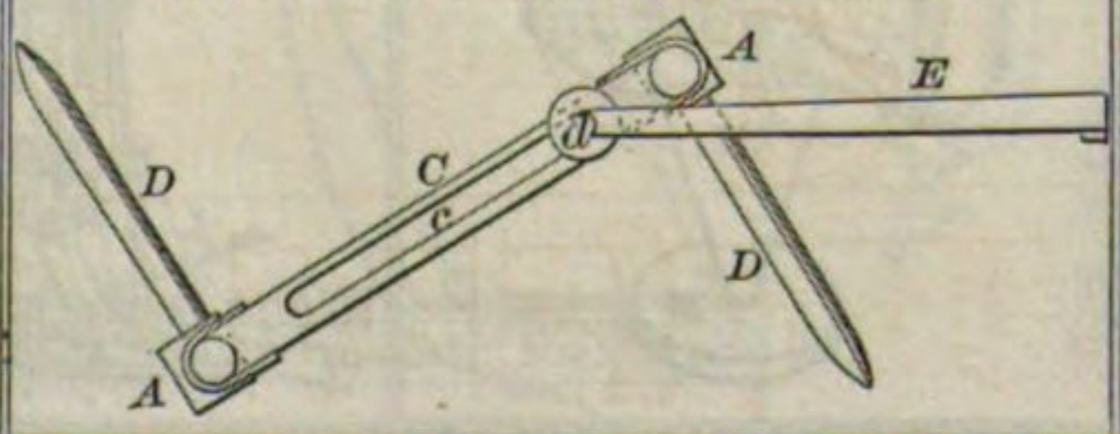
56518—J. Braidwood—*Dumping Car.*



56520—G. N. Brigham—*Churn.*

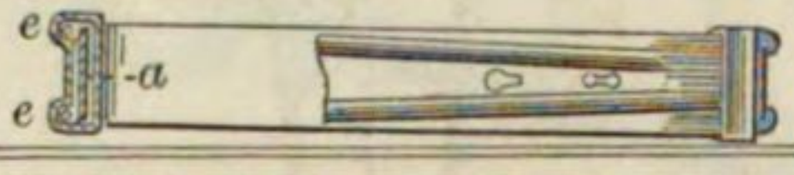


56517—J. N. Baxter—*Horse Rake.*

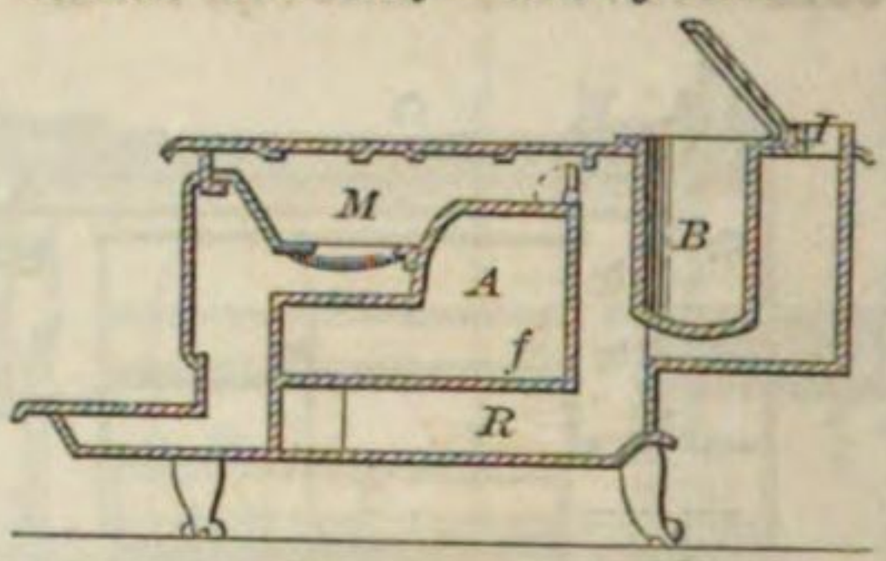


56523—H. Burk—*Clothes Washing Rubber.*

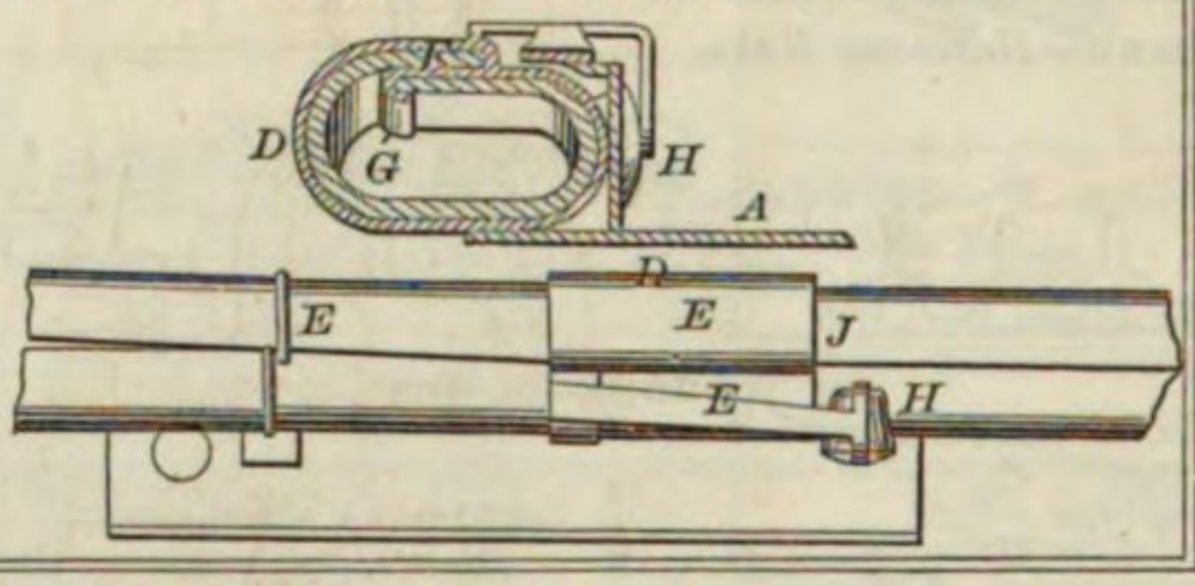
56524—E. F. Burrows—*Garter.*



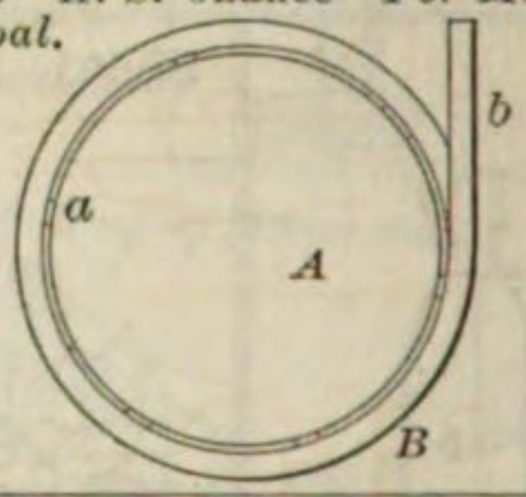
56525—E. Bussey—*Cooking Stove.*



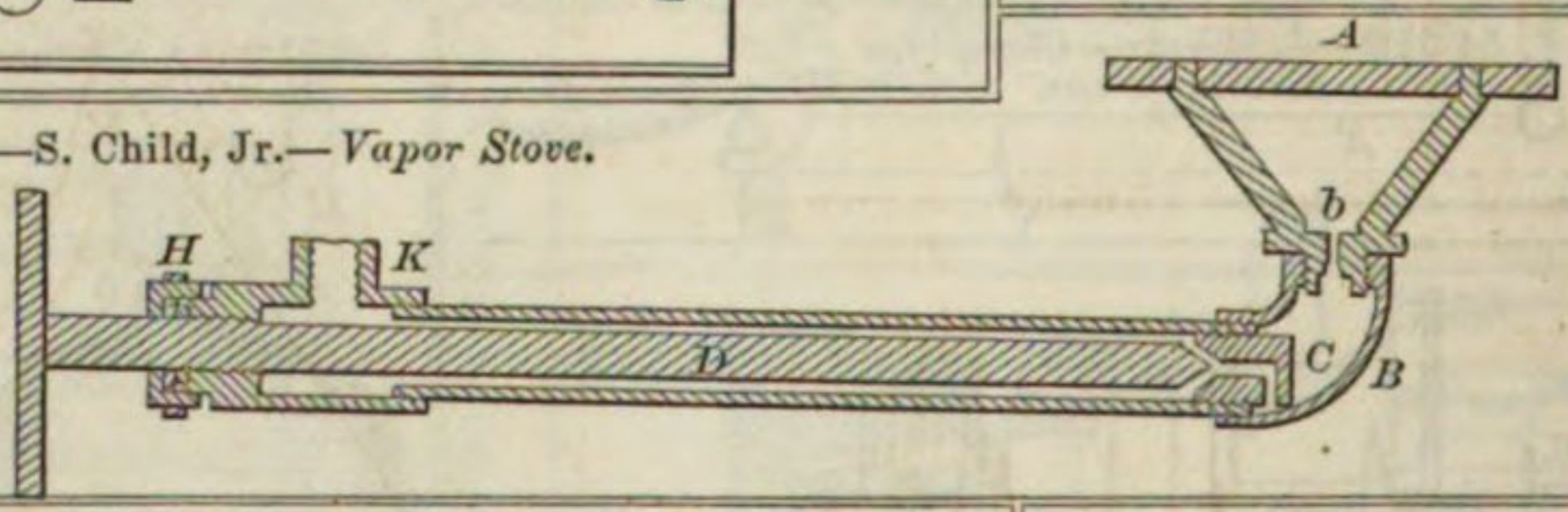
56527—J. T. Capewell—*Sewing Machine Guide.*



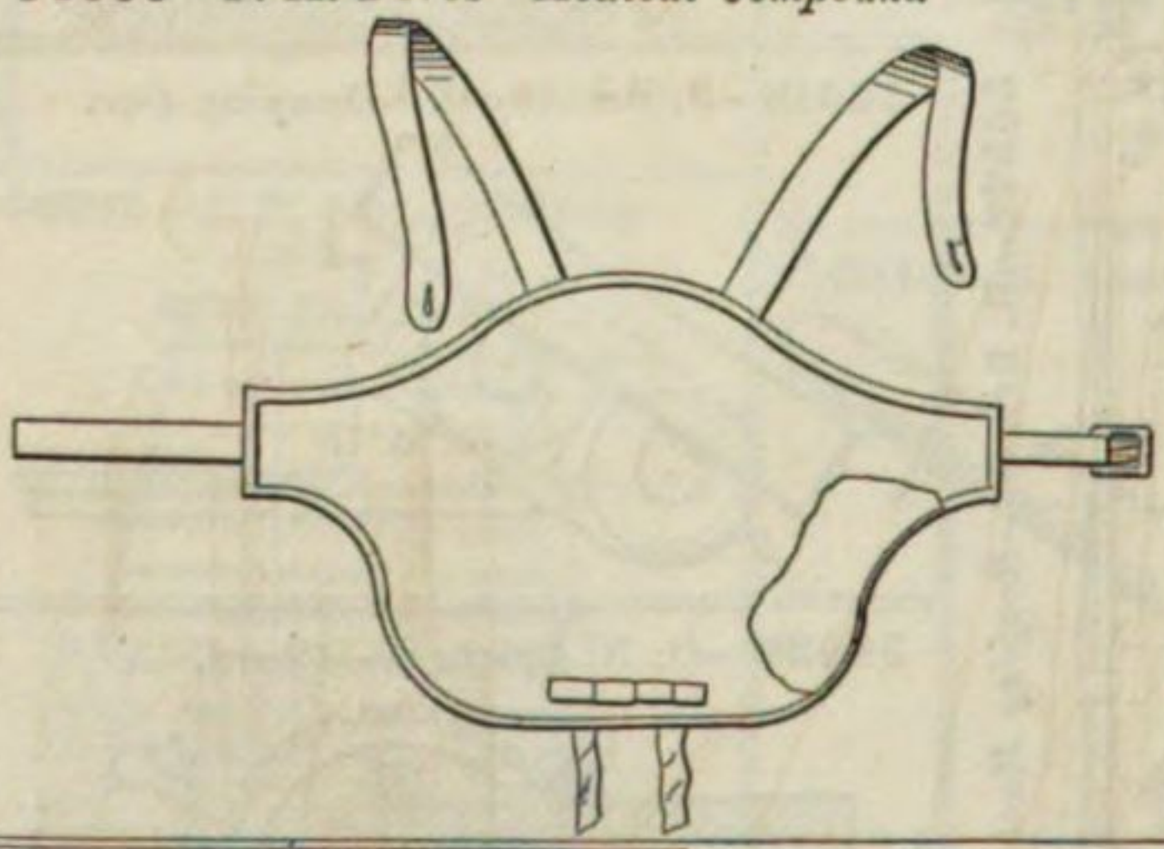
56528—K. S. Chaffee—*For Making Charcoal.*



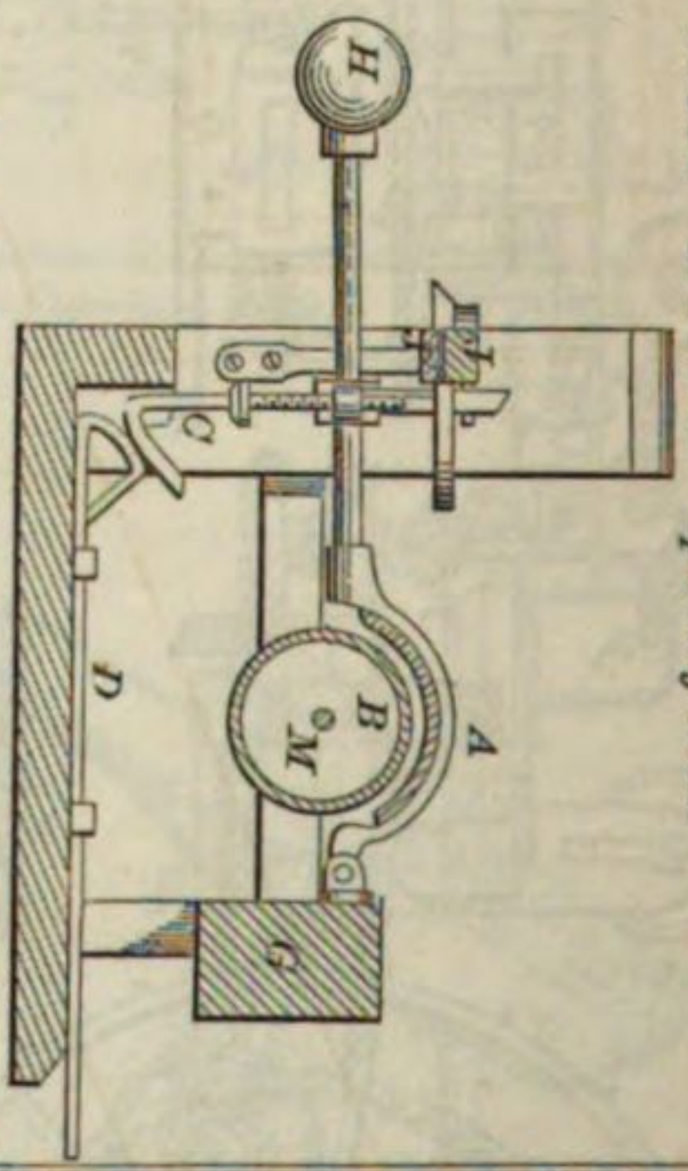
56530—S. Child, Jr.—*Vapor Stove.*



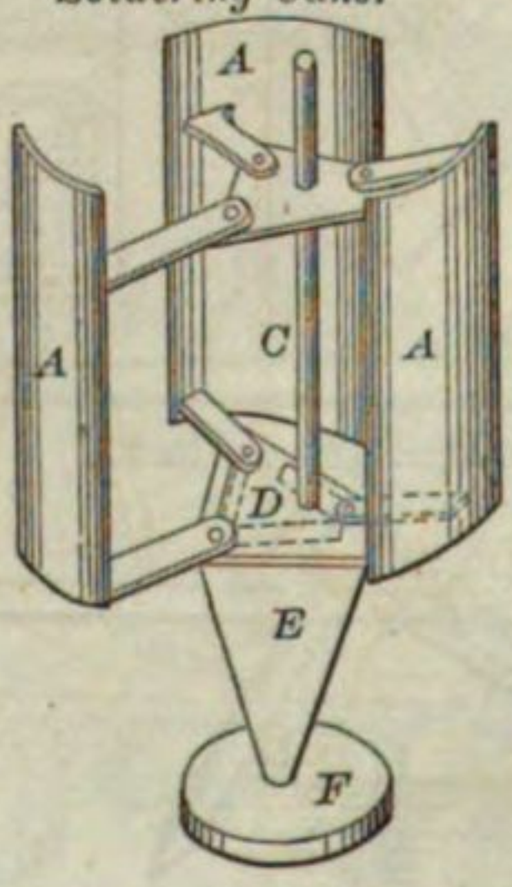
56533—P. M. Devos—*Medical Compound*



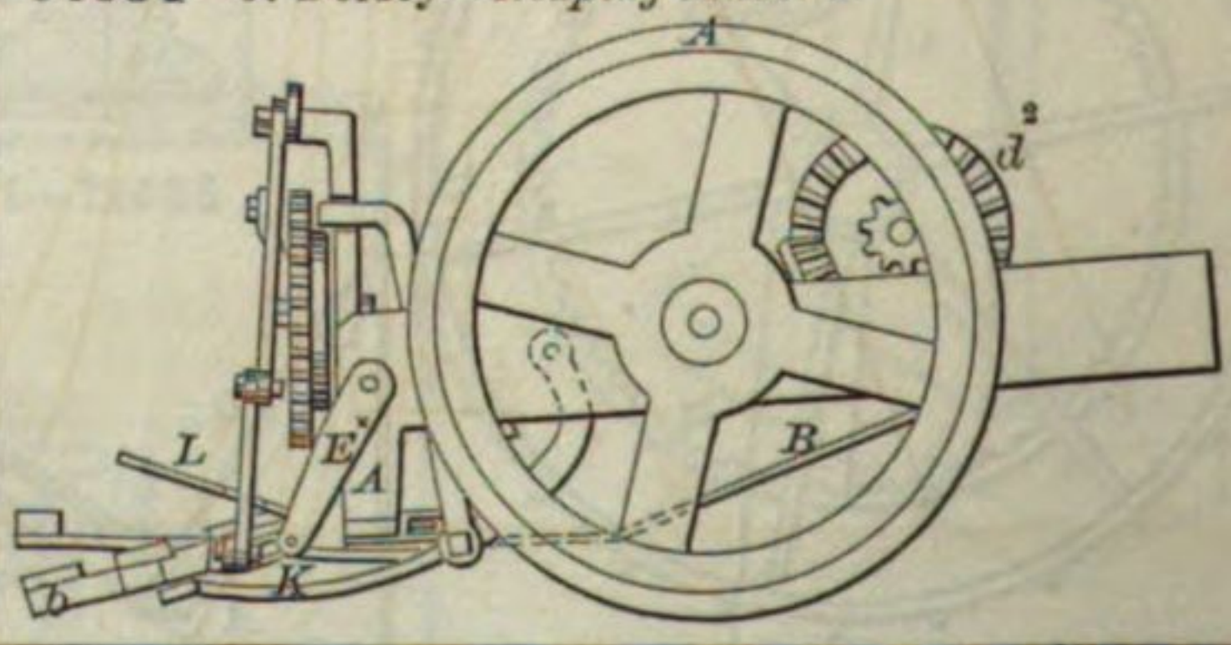
56532—G. Dawson—*Spinning Jack.*



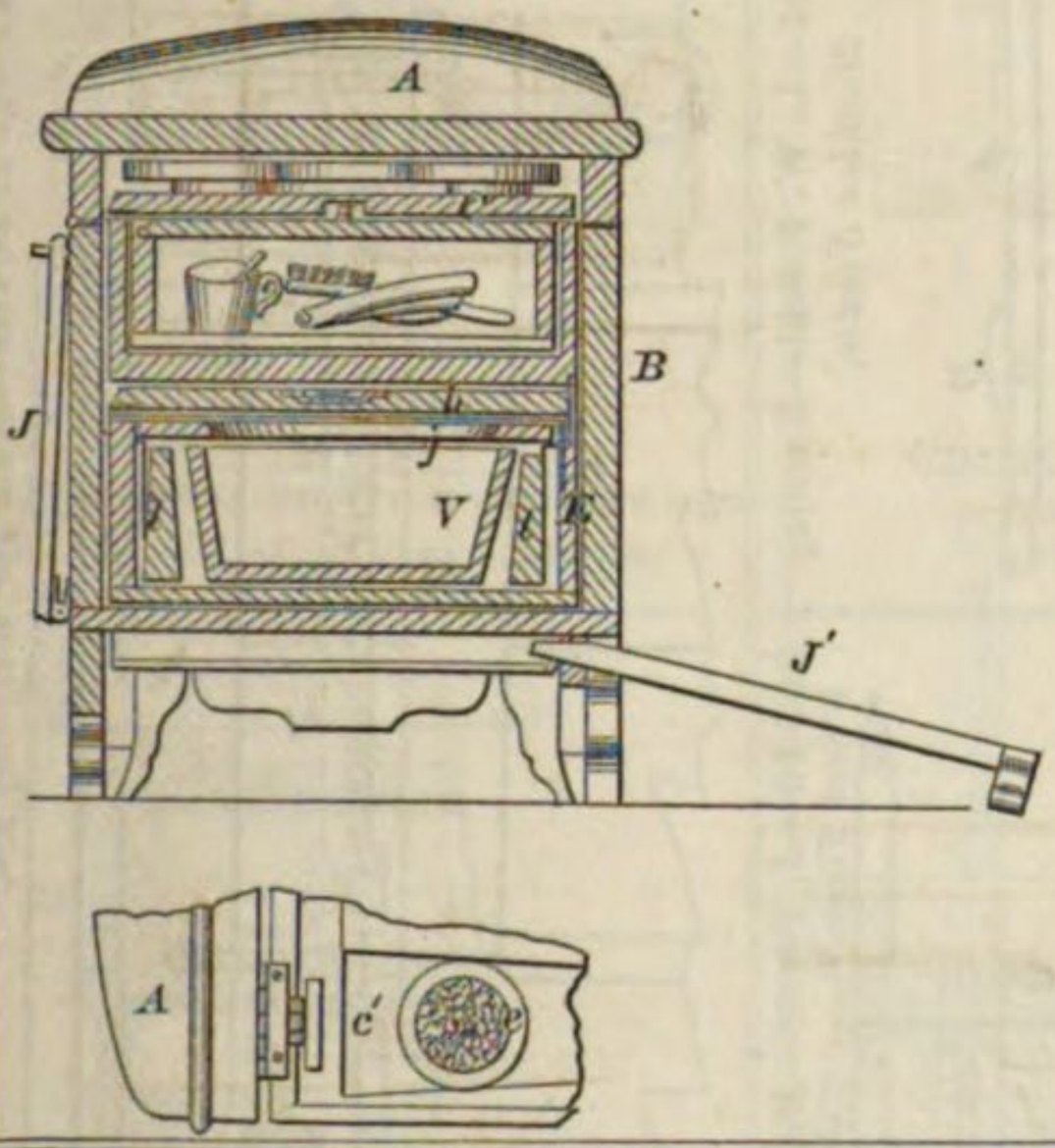
56531—J. K. Cook—*For Soldering Cans.*



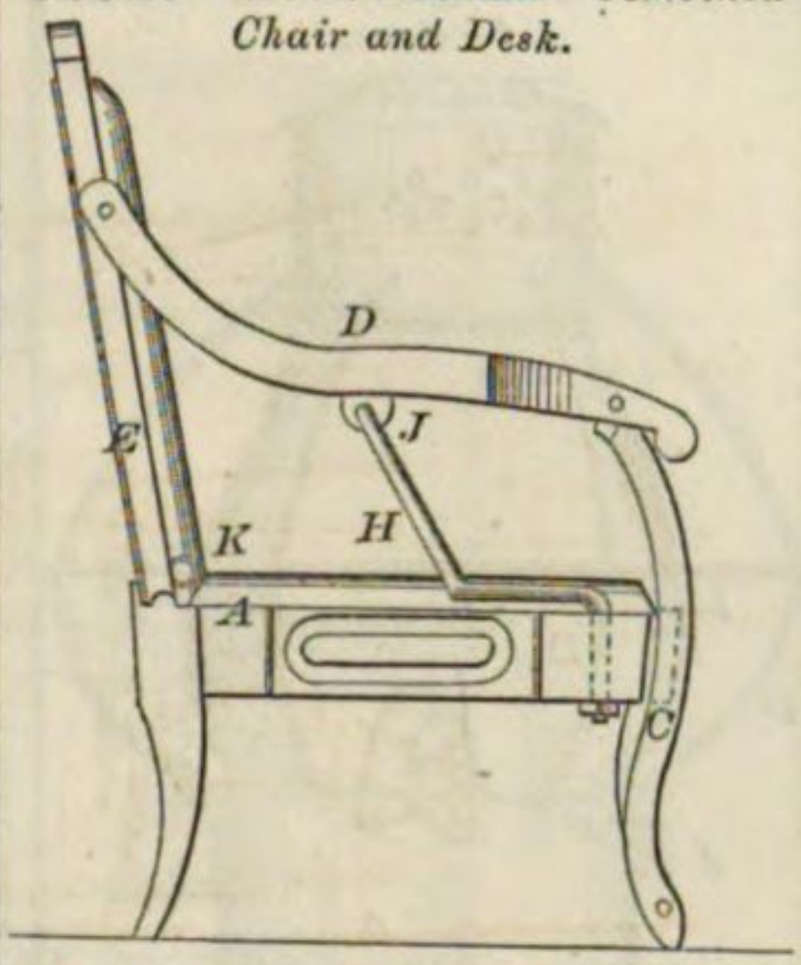
56534—O. Dorsey—*Reaping Machine.*



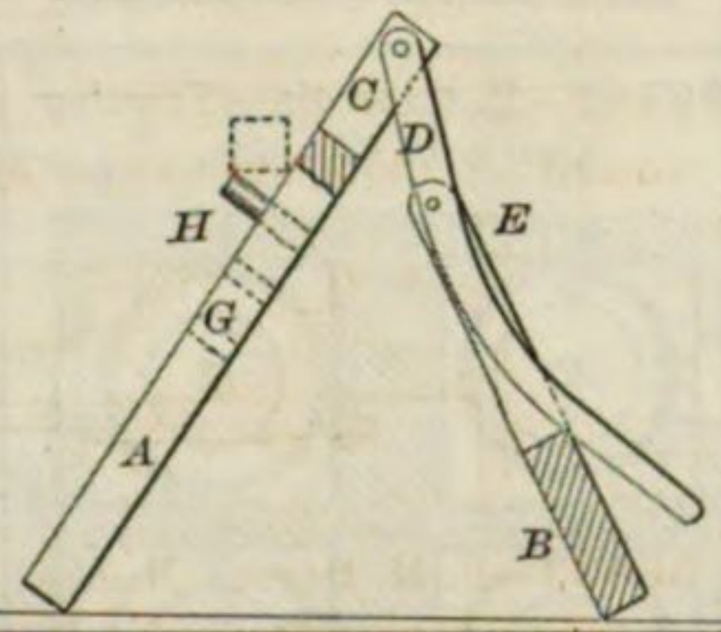
56535—J. H. Doughty—*Blacking Case and Night Chair.*



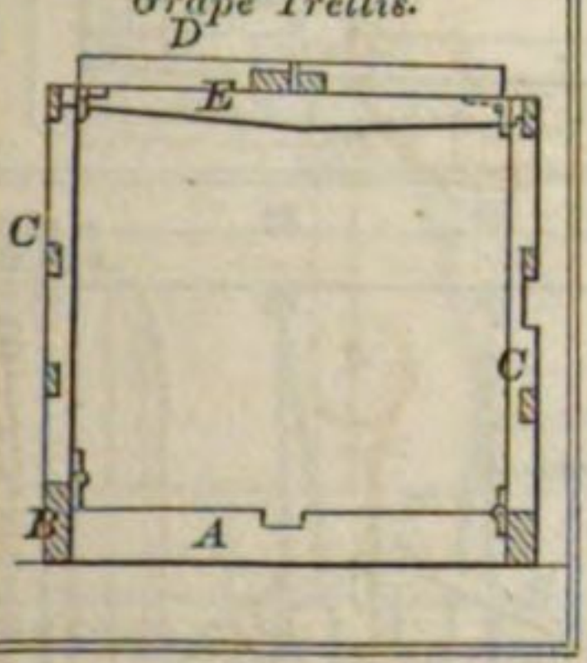
56540—W. A. Ehlman—*Combined Chair and Desk.*



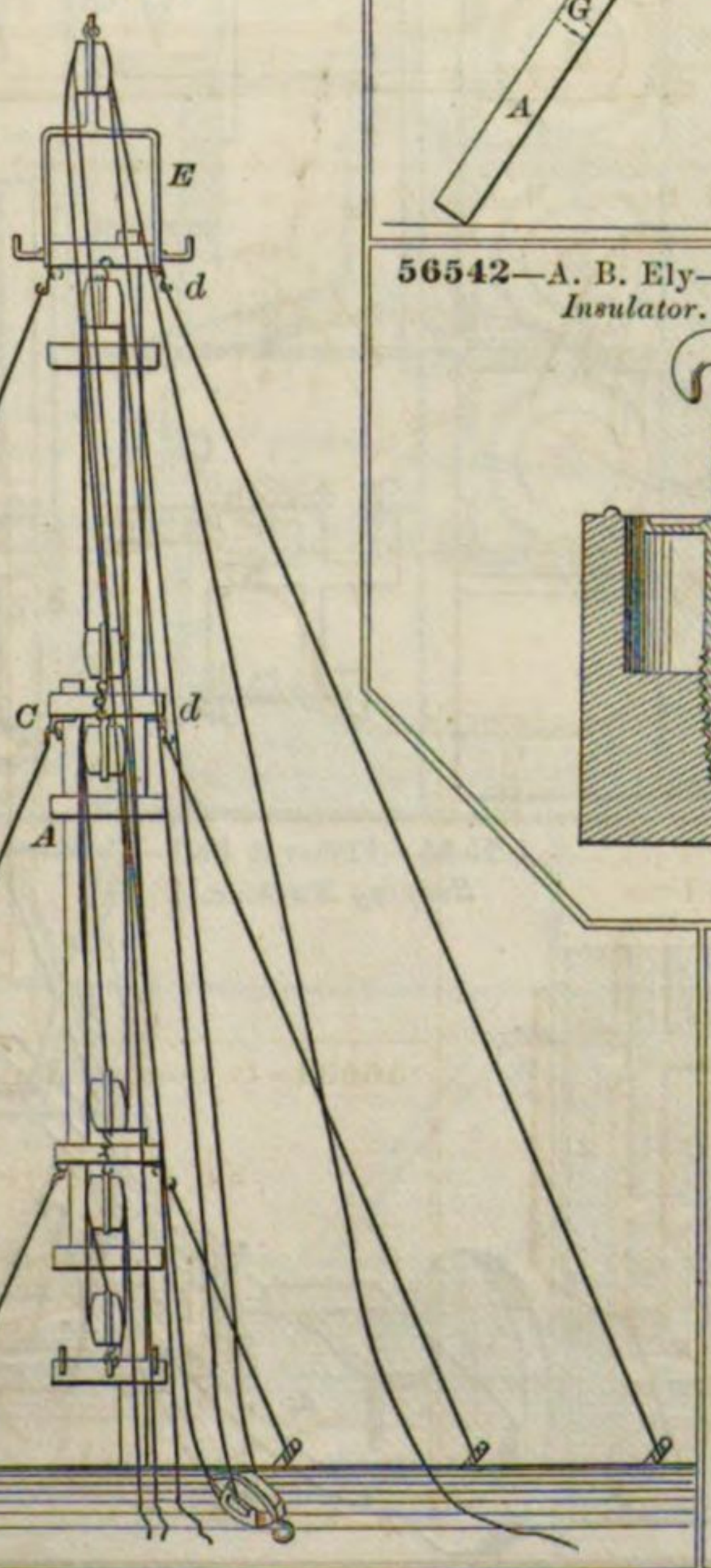
56538—A. Dunn—*Wagon Jack.*



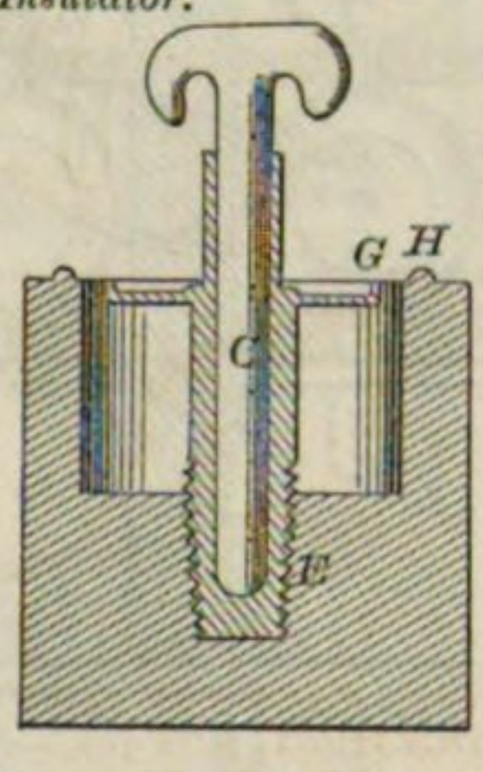
56541—B F. Elliott—*Grape Trellis.*



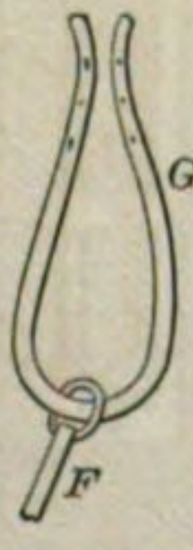
56536—J. Dow—*Signal Tower.*



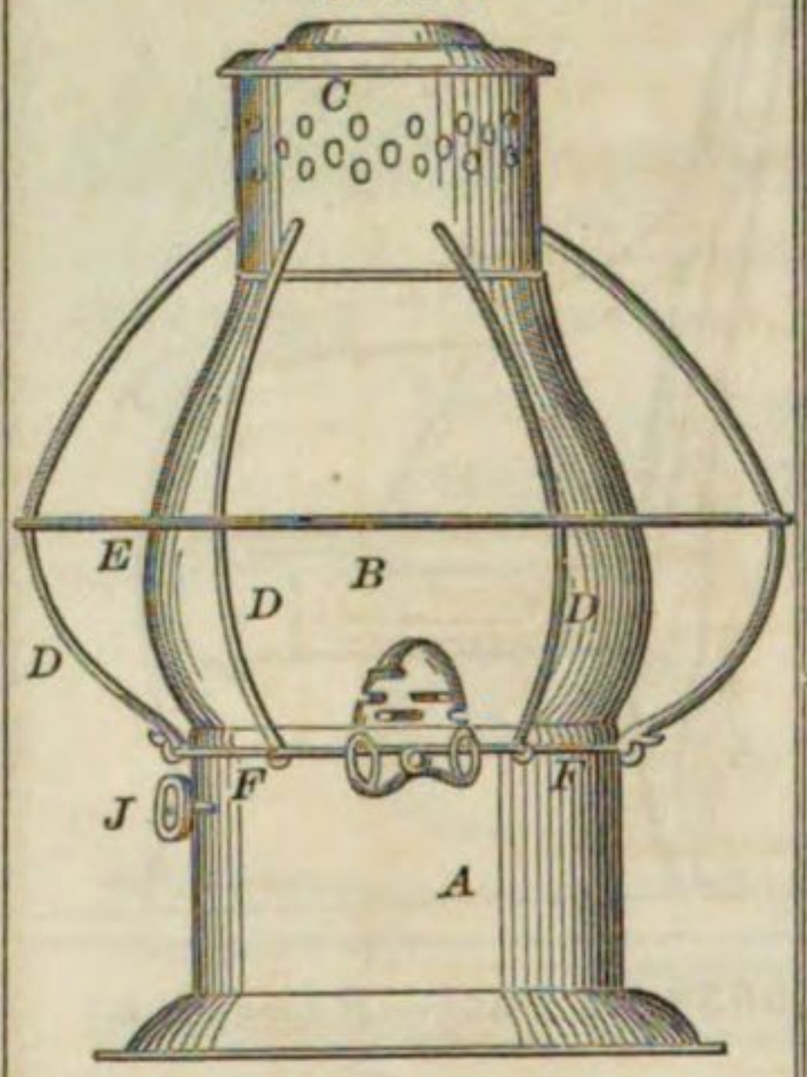
56542—A. B. Ely—*Telegraphic Insulator.*



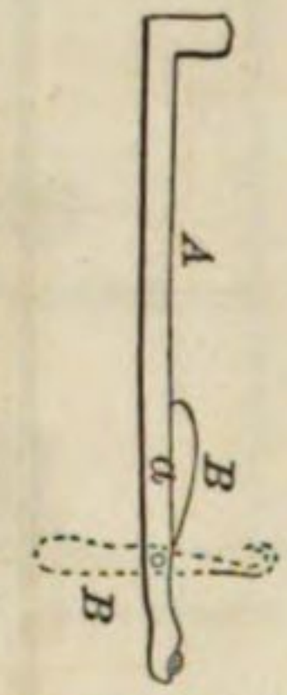
56537—J. Dubree—*Hitching Strap.*



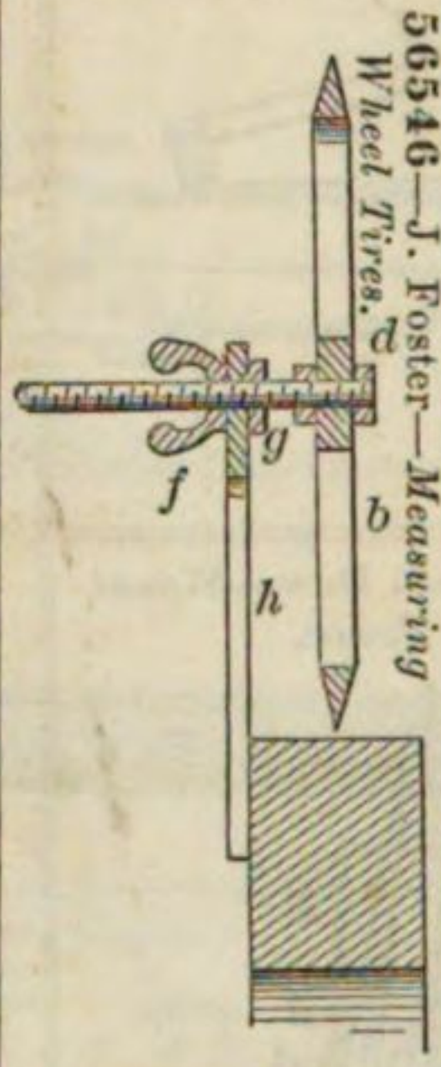
56543—C. Engelskircher—*Hand Lantern.*



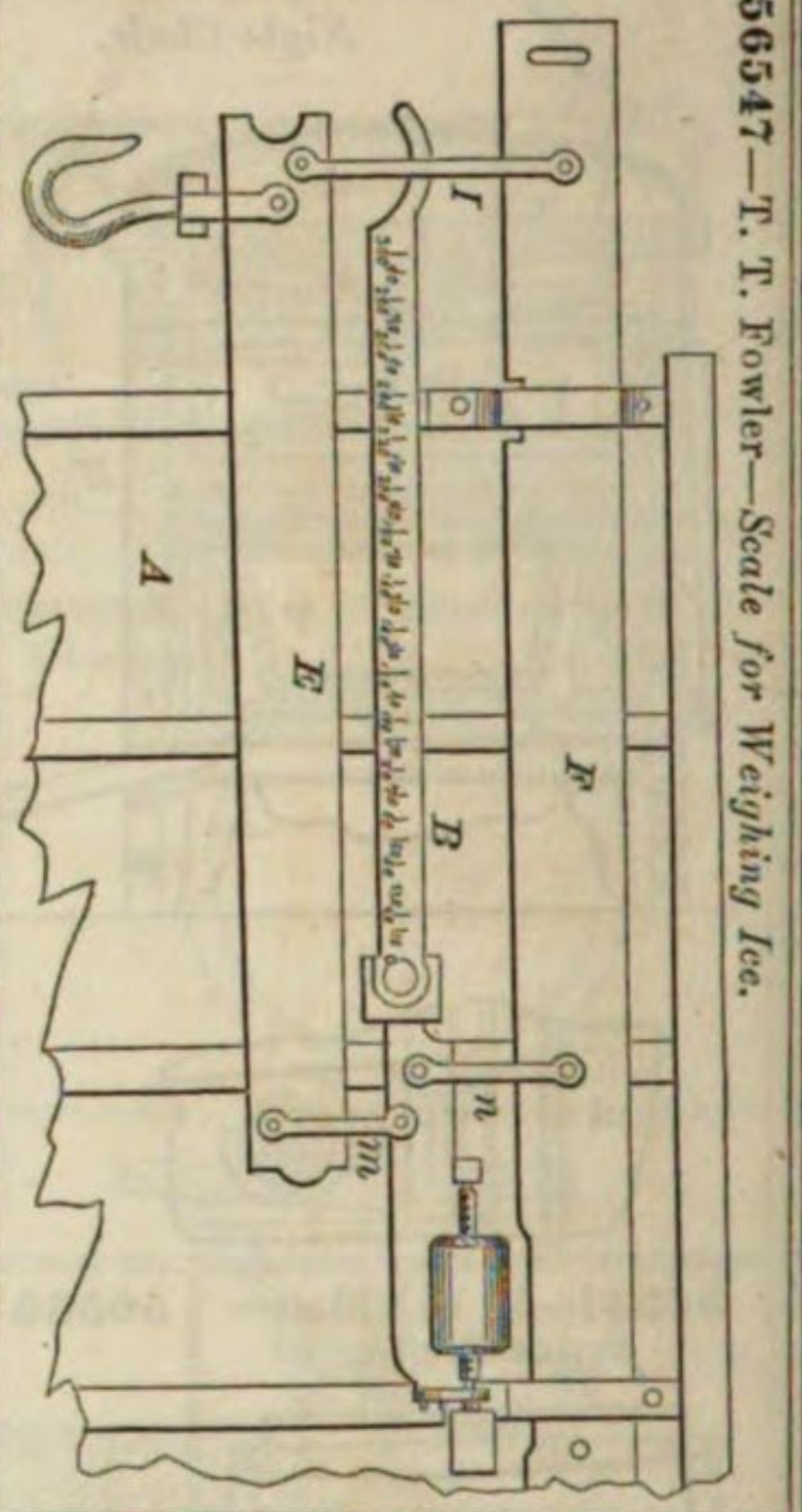
56544—L. W. Fifield—*Knitting Machine Needle.*



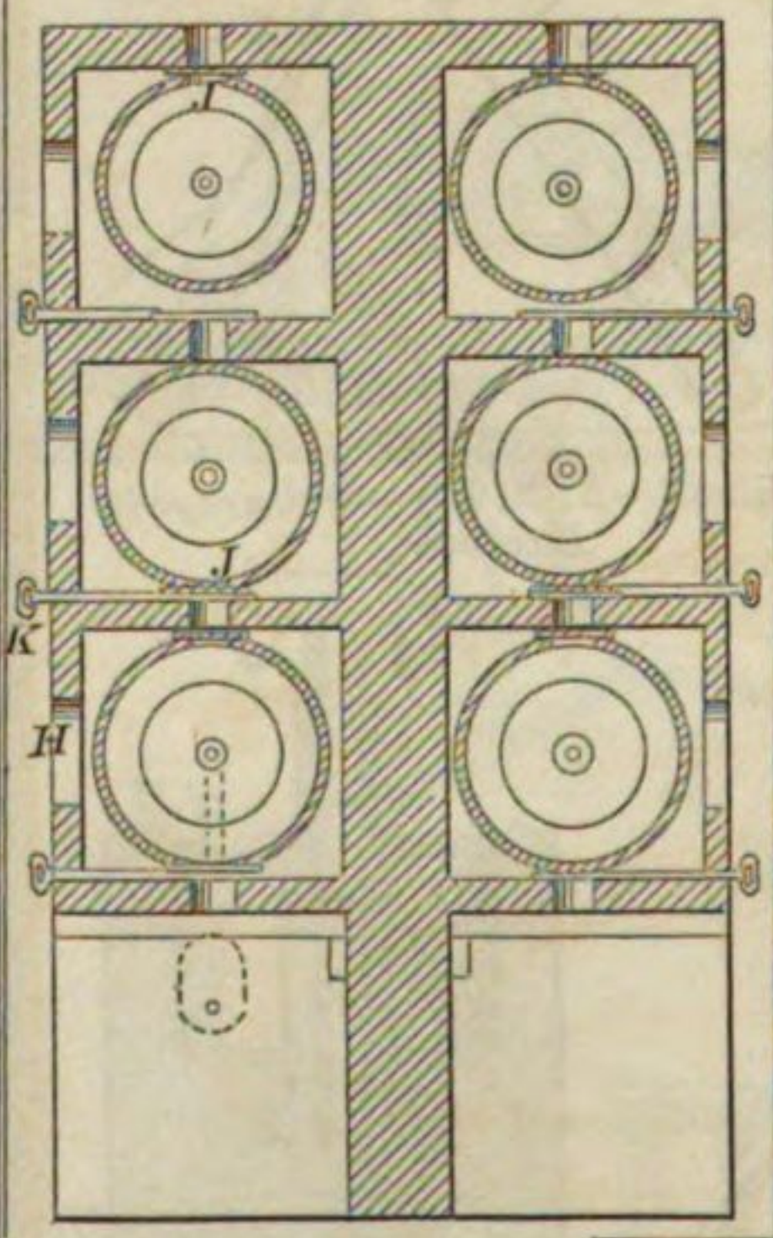
56546—J. Foster—*Measuring Wheel Tires.*

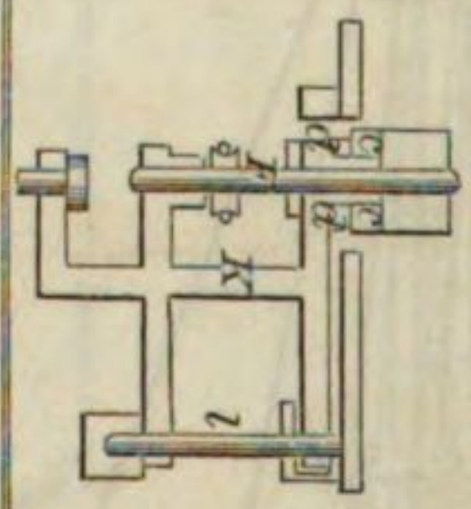


56547—T. T. Fowler—*Scale for Weighing Ice.*

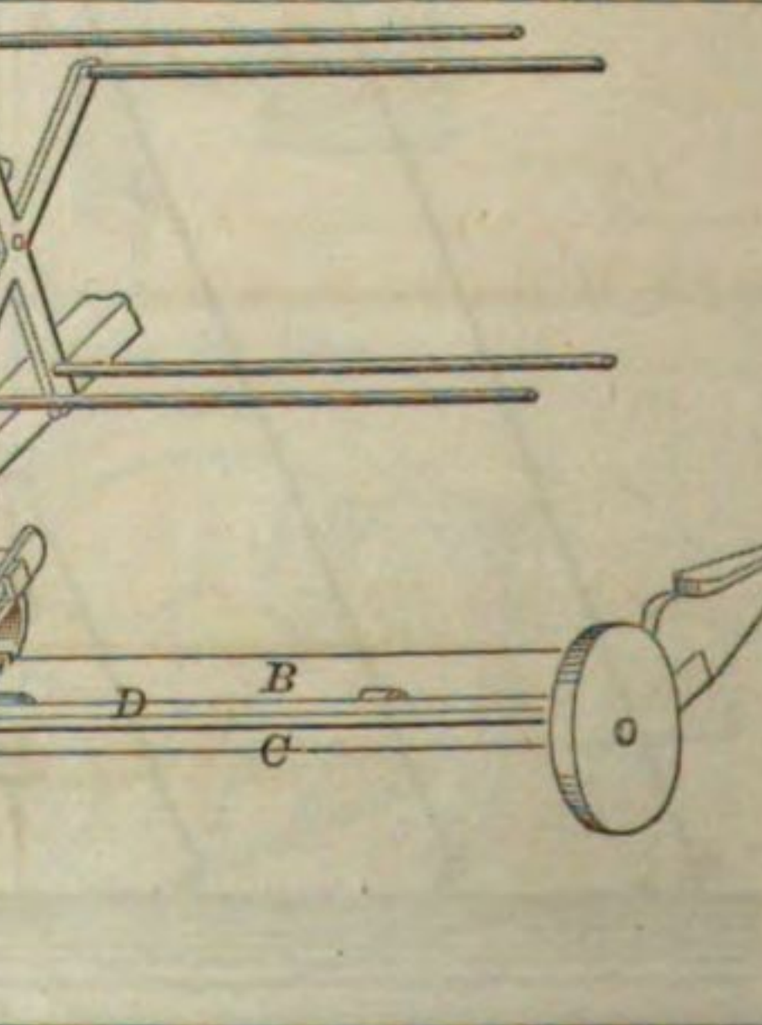


56549—E. Gaussoin—*Treating Ores with Chlorine.*



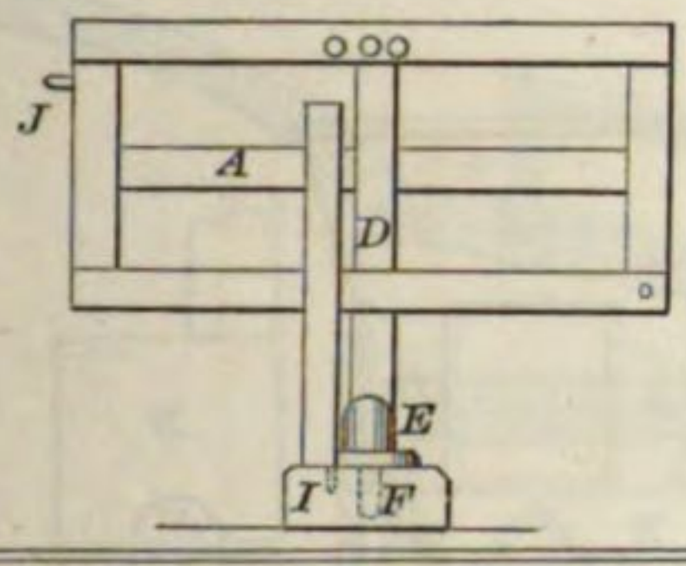


56548—J. Garfield—*Planing Machine.*

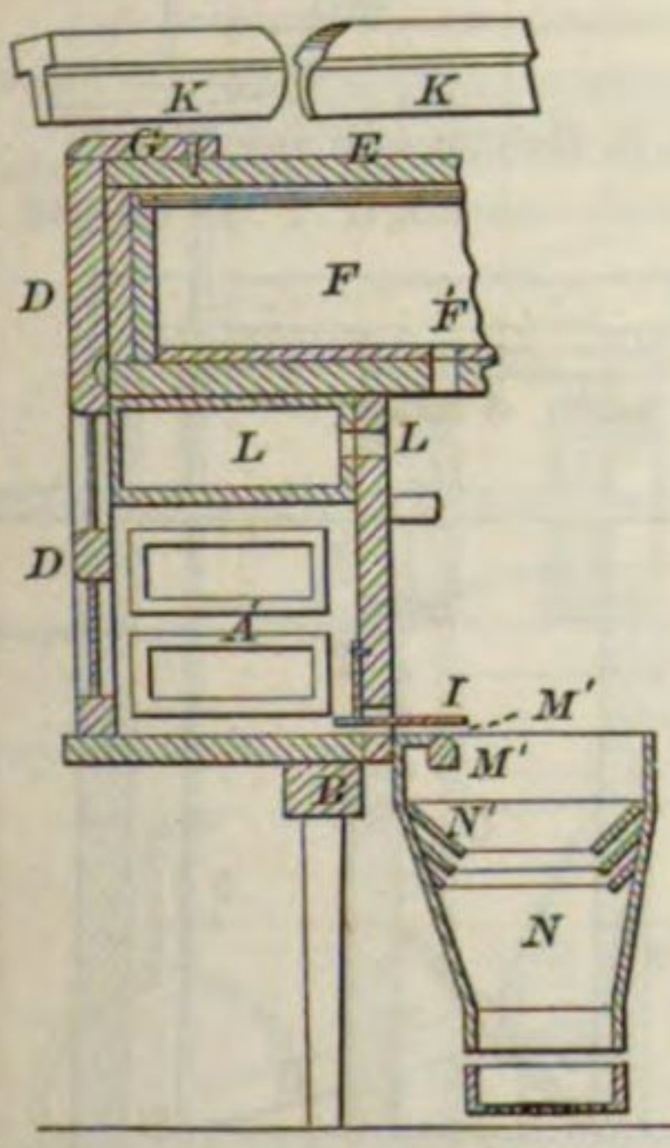


56545—Fisher & Ball—*Reaping Machine.*

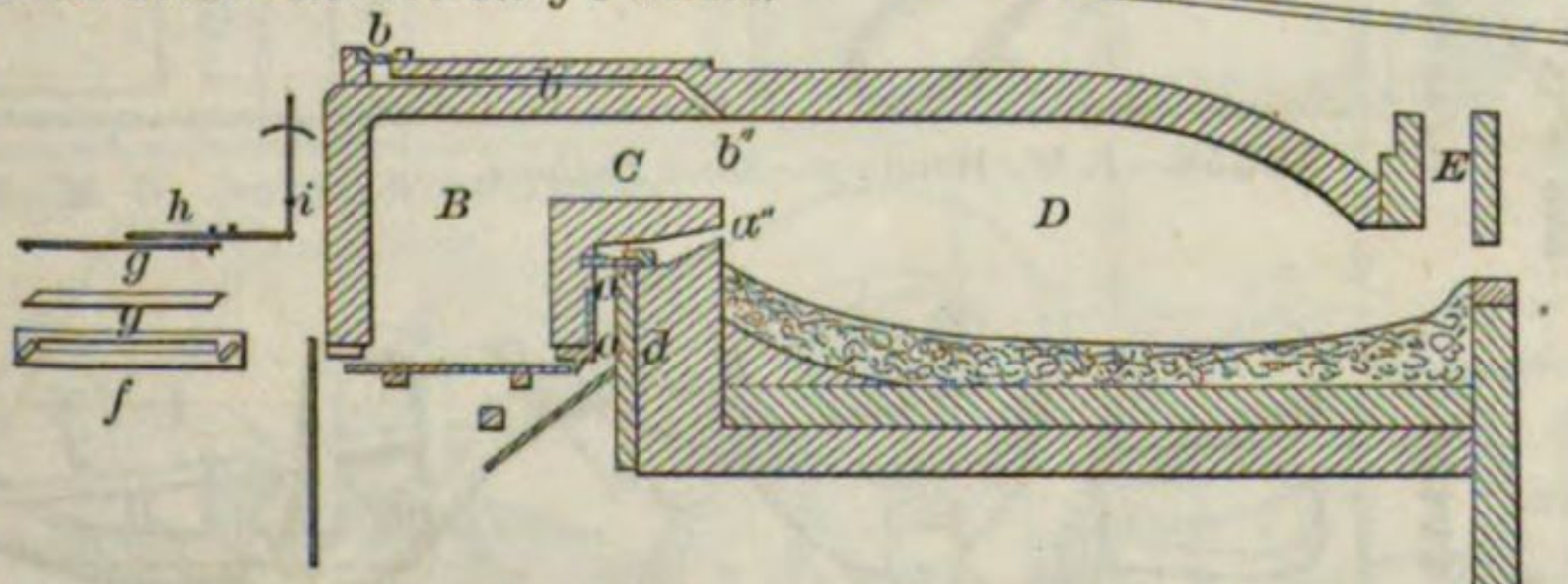
56550—F. Gay—*Farm Gate.*



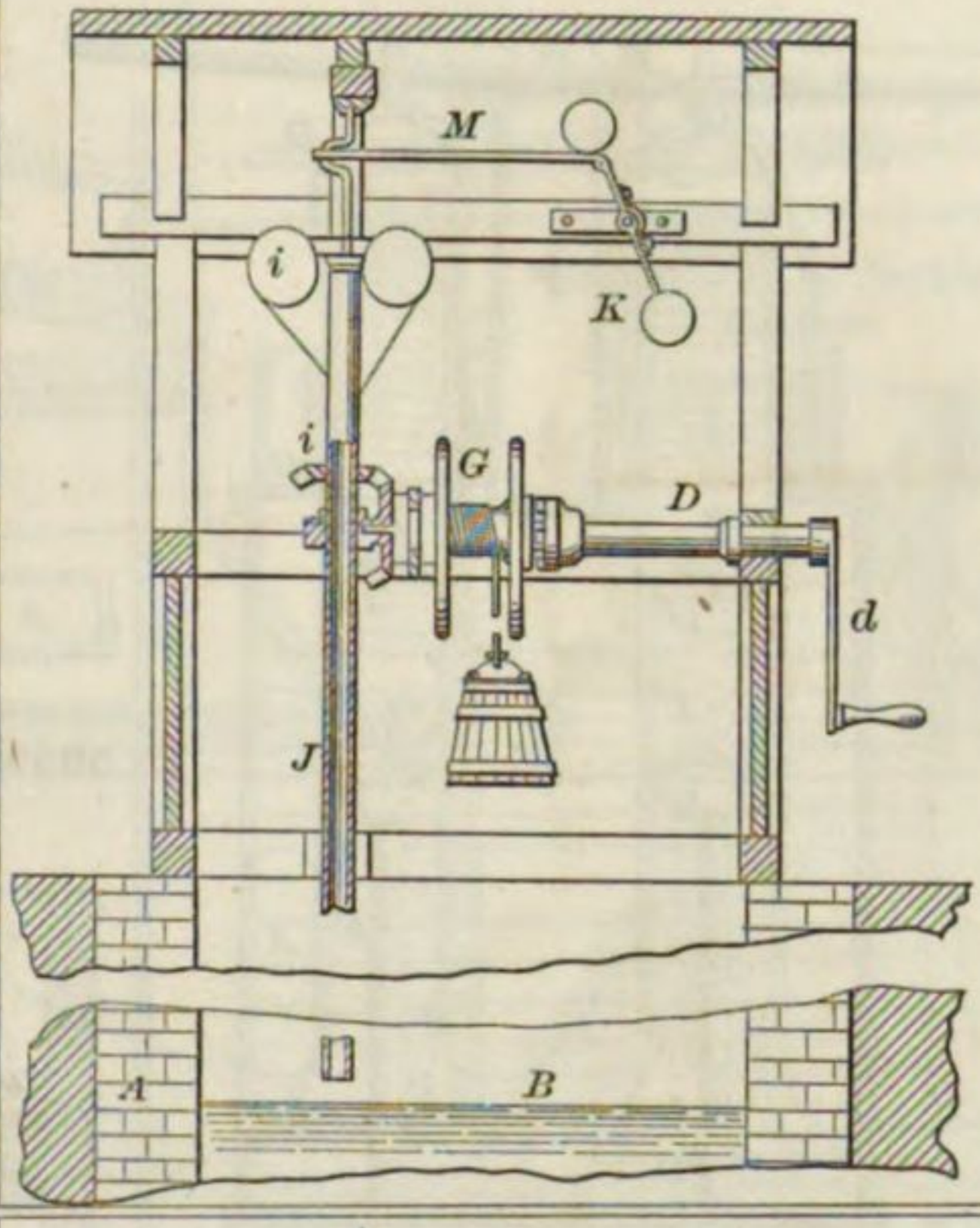
56551—G. Graffham—*Beehive.*



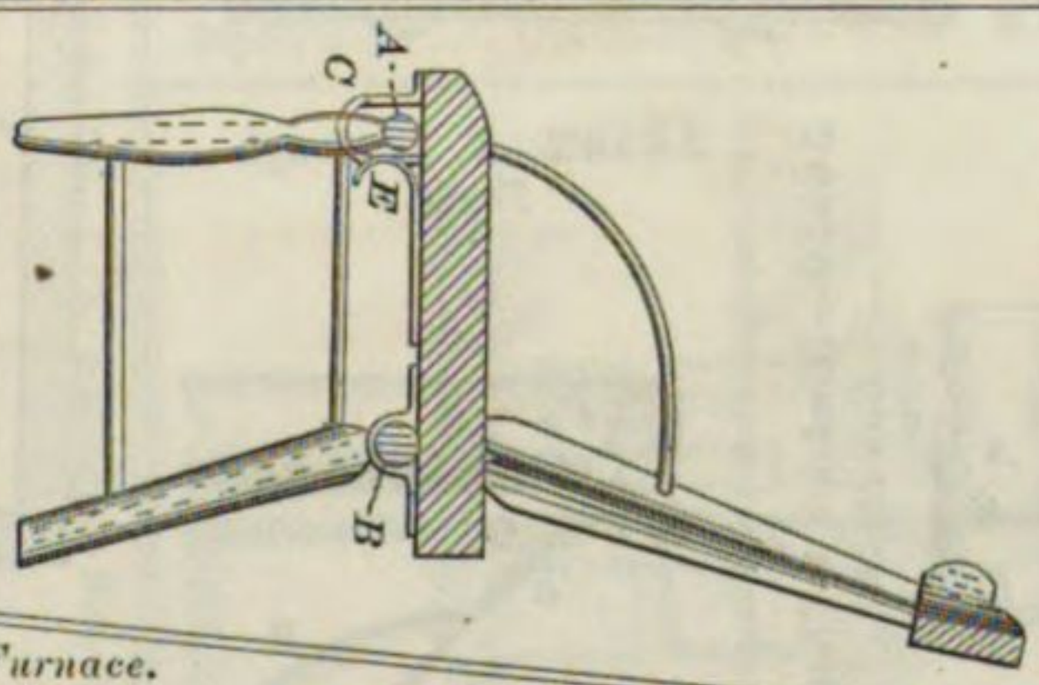
56552—J. R. Grout—*Reverberatory Furnace.*



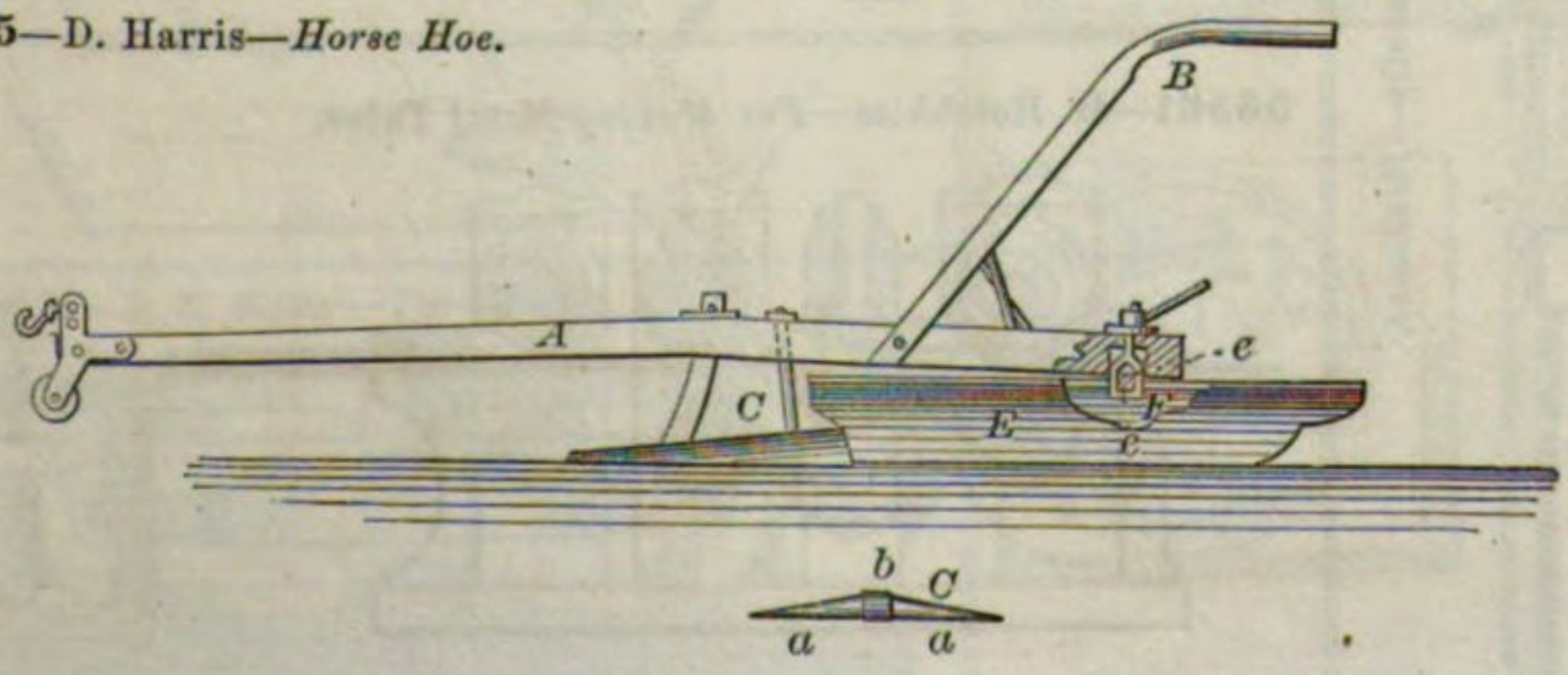
56553—G. Gullmann—*Elevator for Wells.*



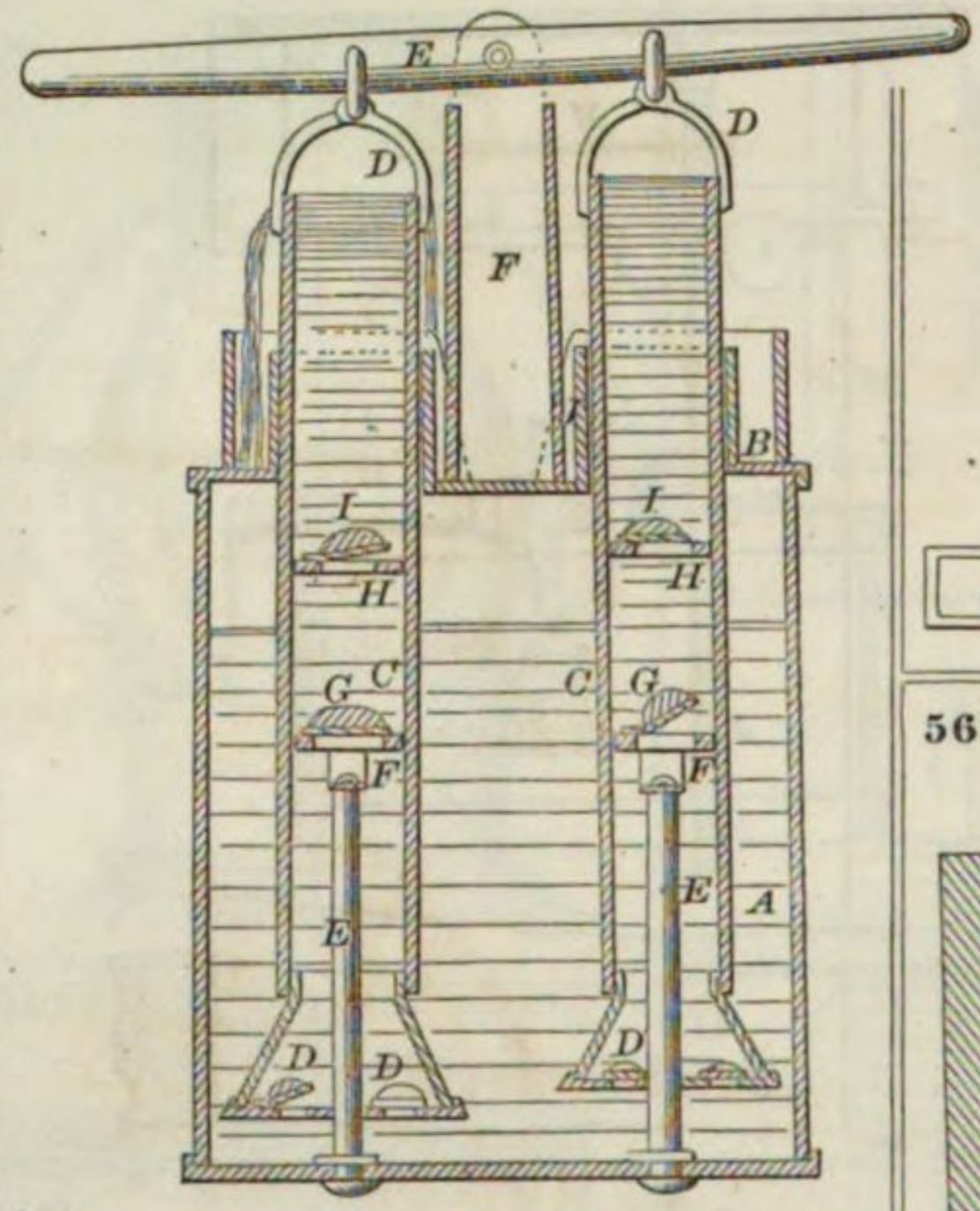
56554—J. Habermehl—*Chair.*



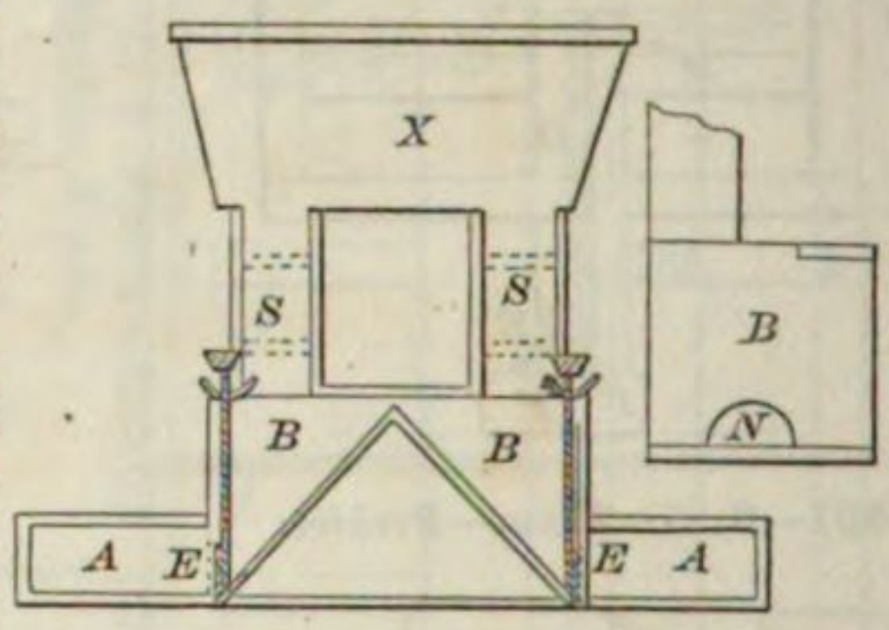
56555—D. Harris—*Horse Hoe.*



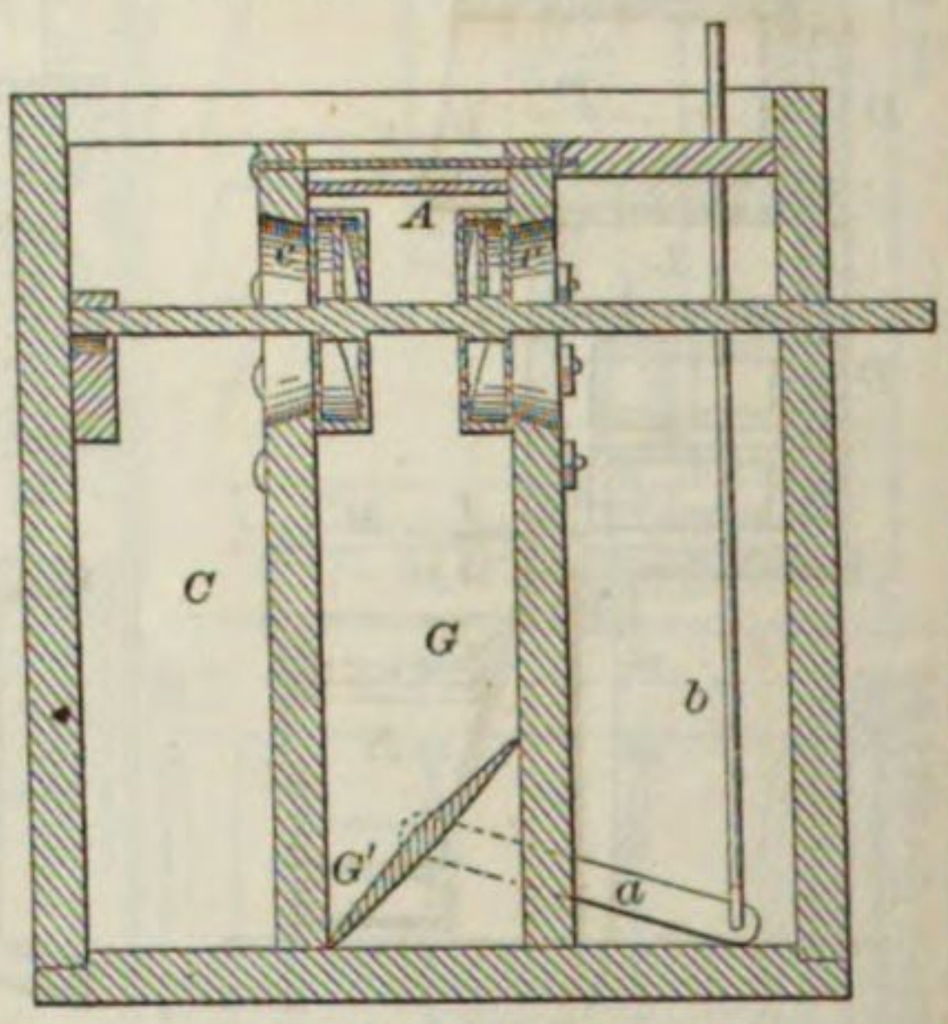
56556—E. B. Harris—*Pump.*



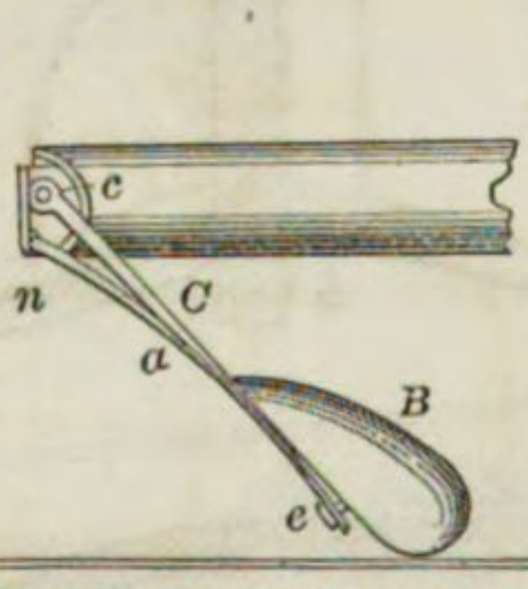
56557—J. Hayden—*Ration Feed Box.*



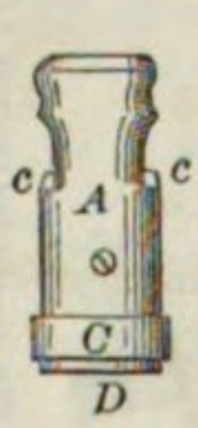
56560—R. S. Holeton—*Water Wheel.*



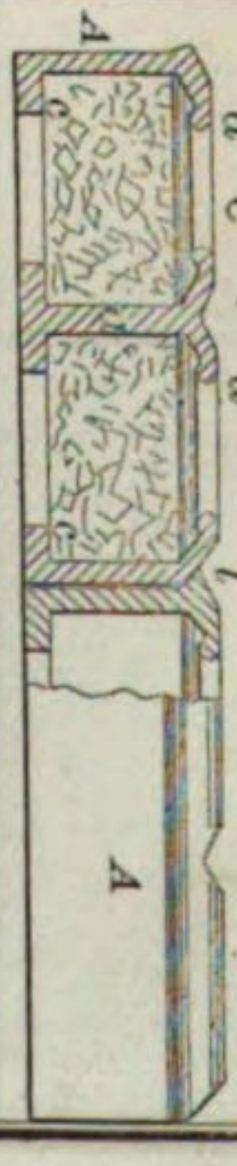
56562—T. L. Hough—*Truss.*



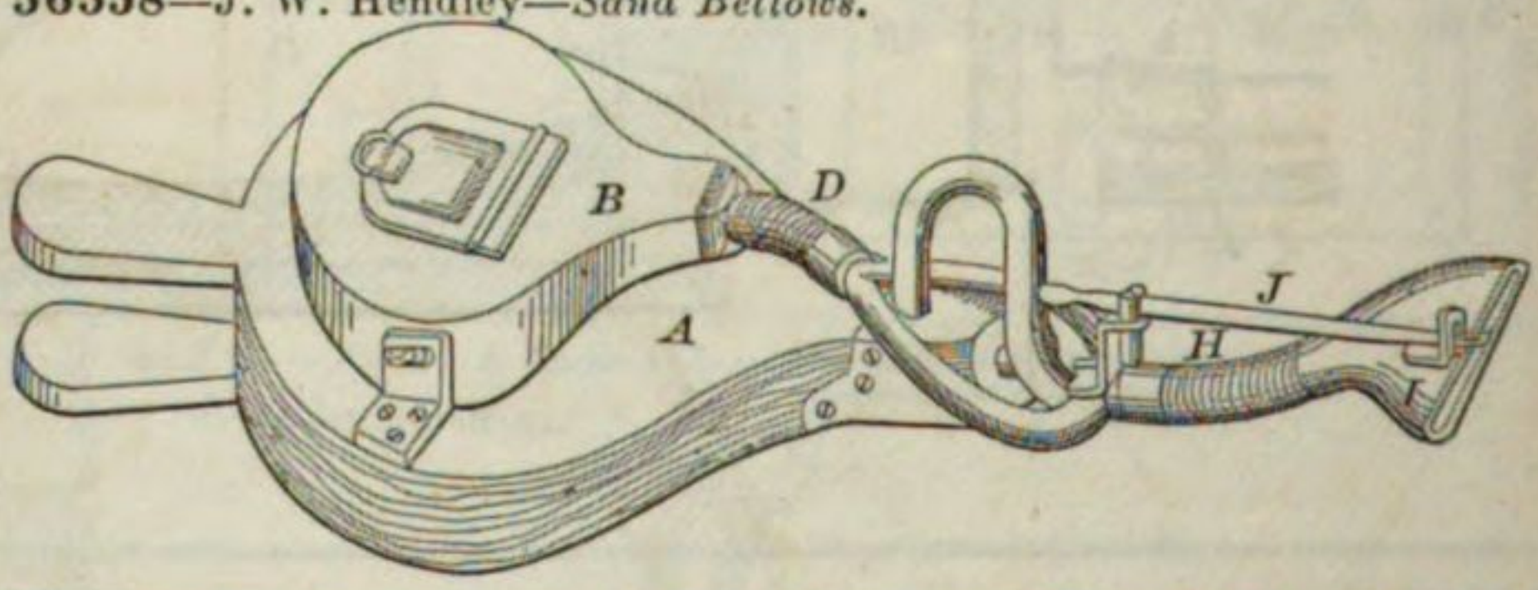
56559—Hendrick & Chattaway—*Gun Swab.*



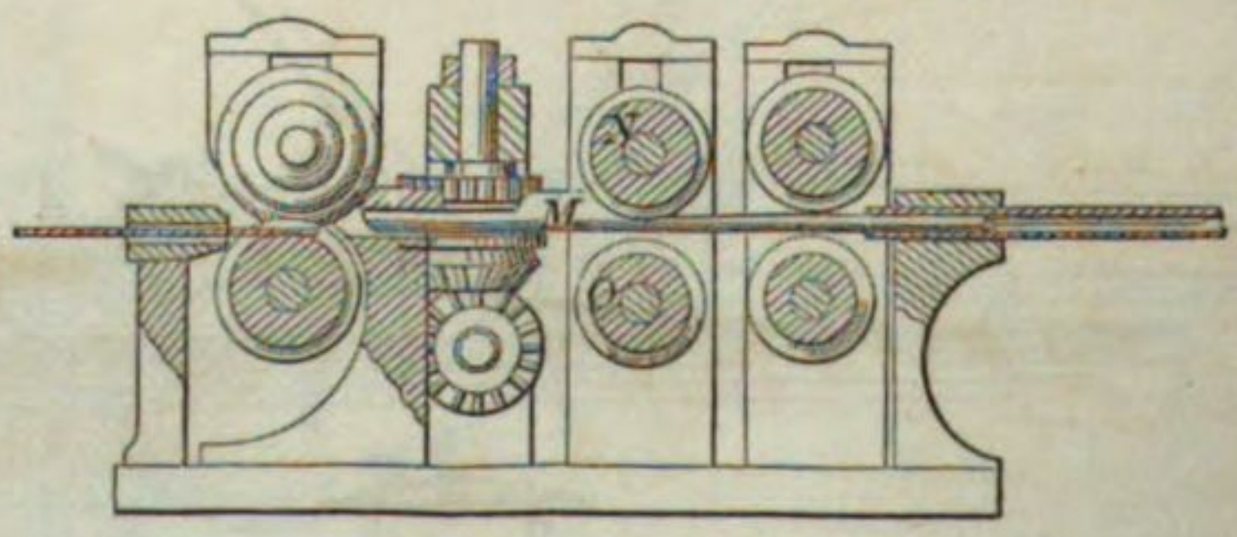
56563—D. Huestis—*Pavement.*



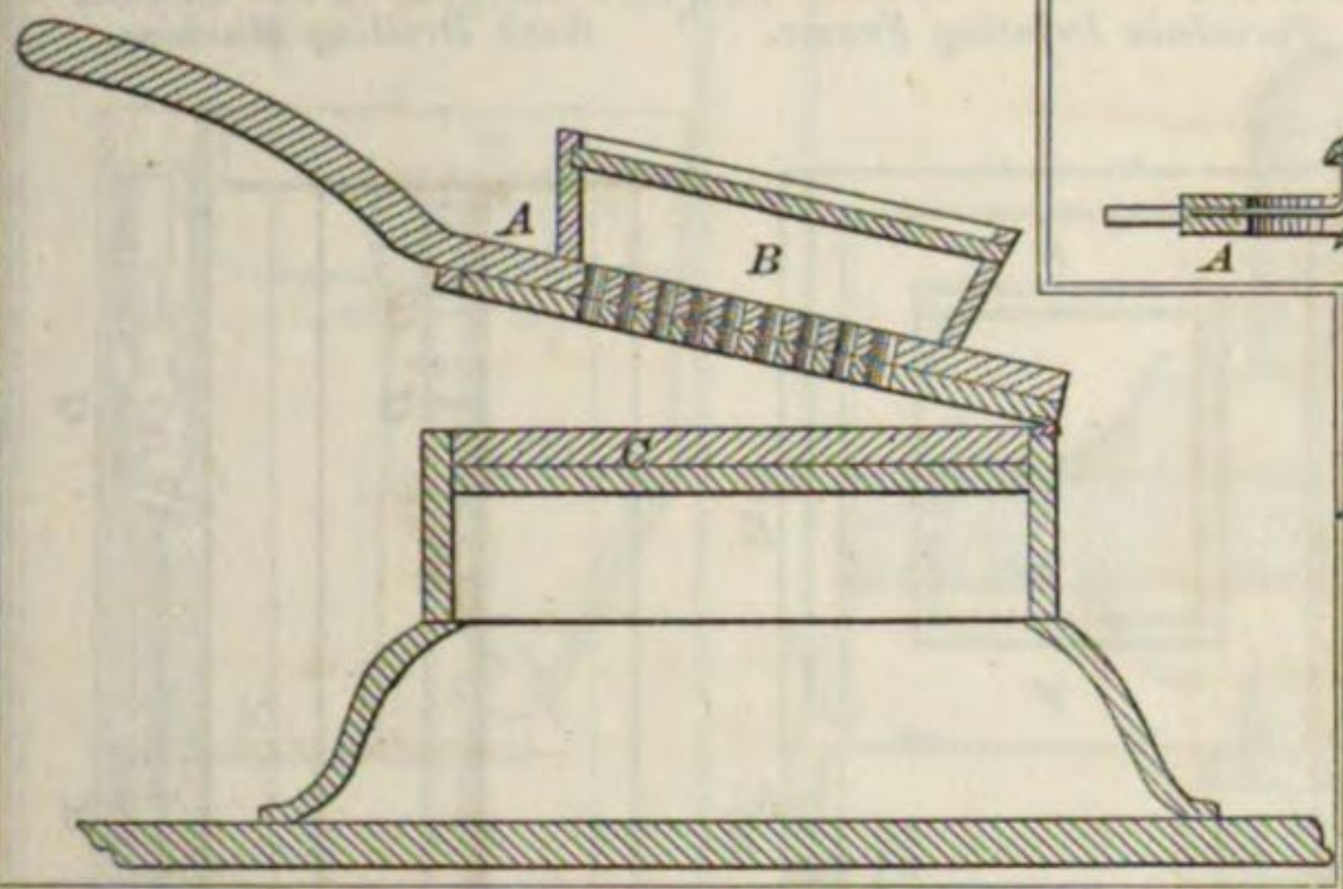
56558—J. W. Hendley—*Sand Bellows.*



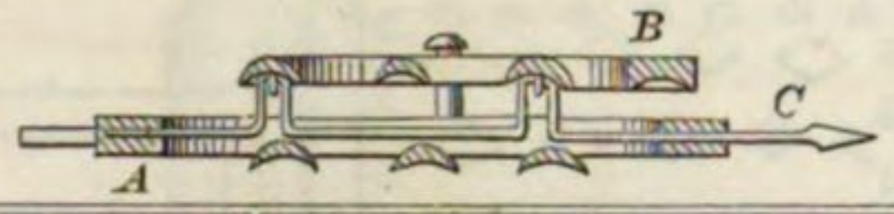
56561—H. Hotchkiss—*For Making Metal Tubes.*



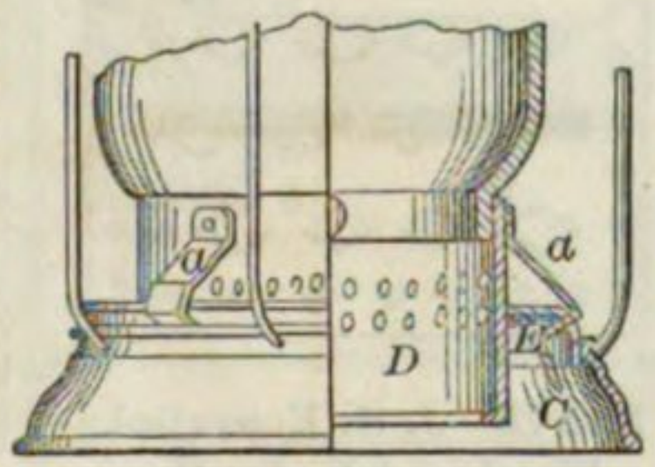
56564—H. B. Hutchins—*Knife Scourer.*

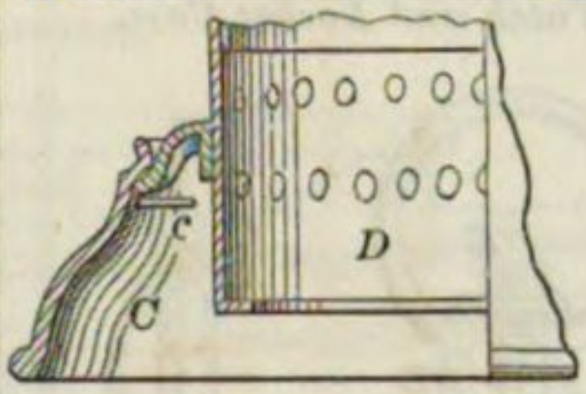


56566—J. A. Jacobs—*Stove Pipe Damper.*

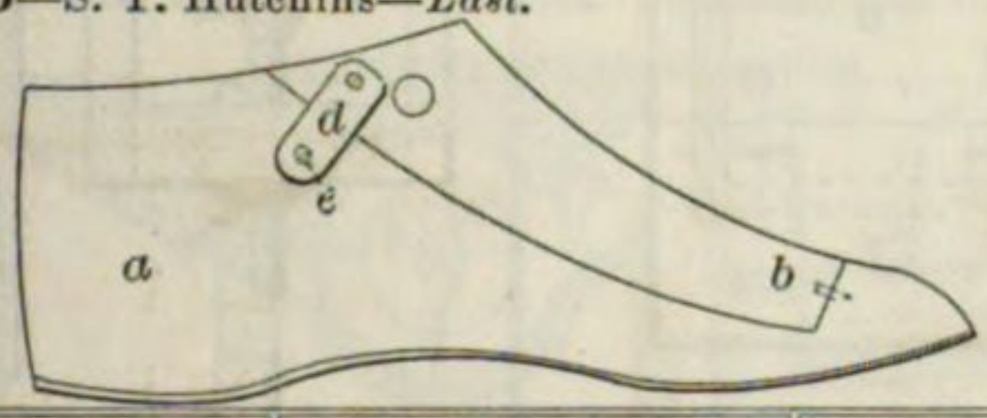


56567—E. N. Jenkins—*Lantern.*

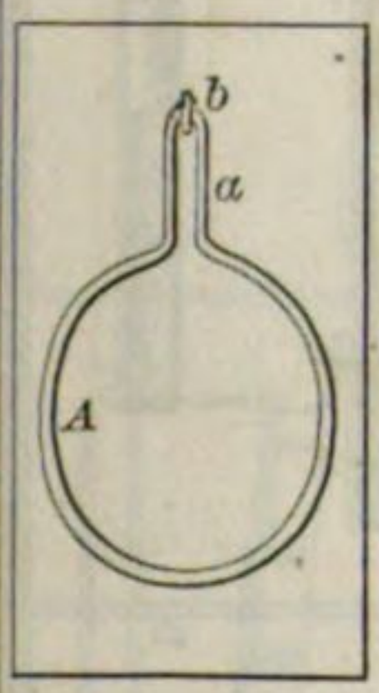




56565—S. T. Hutchins—*Last.*

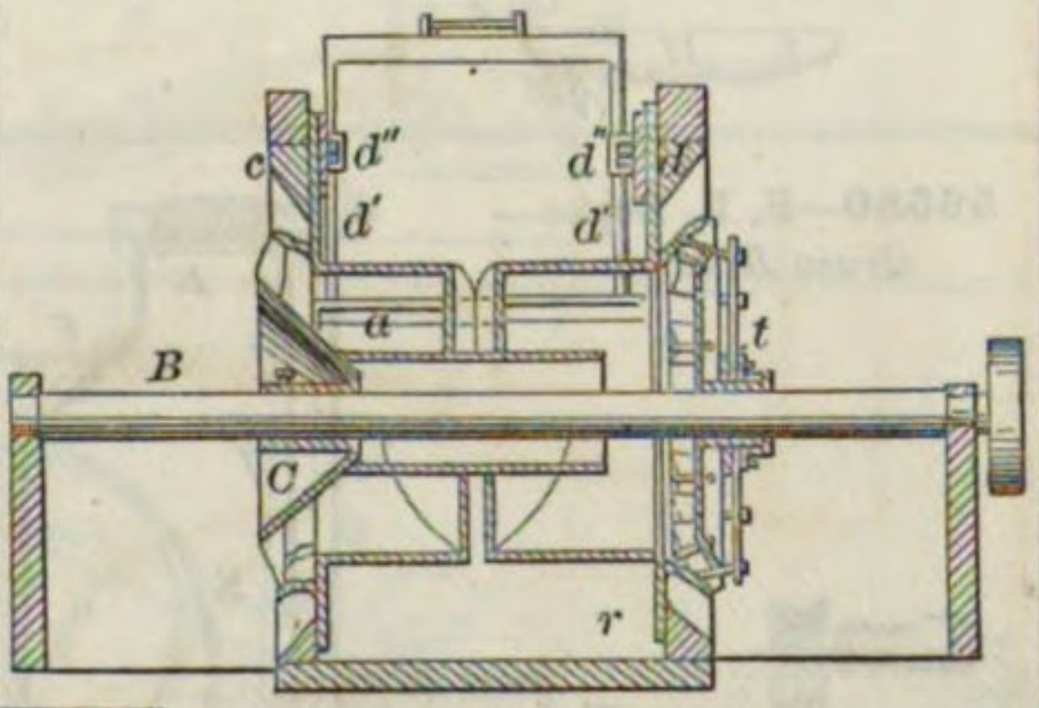


56569—C. H. Keener—*Hat Rack.*

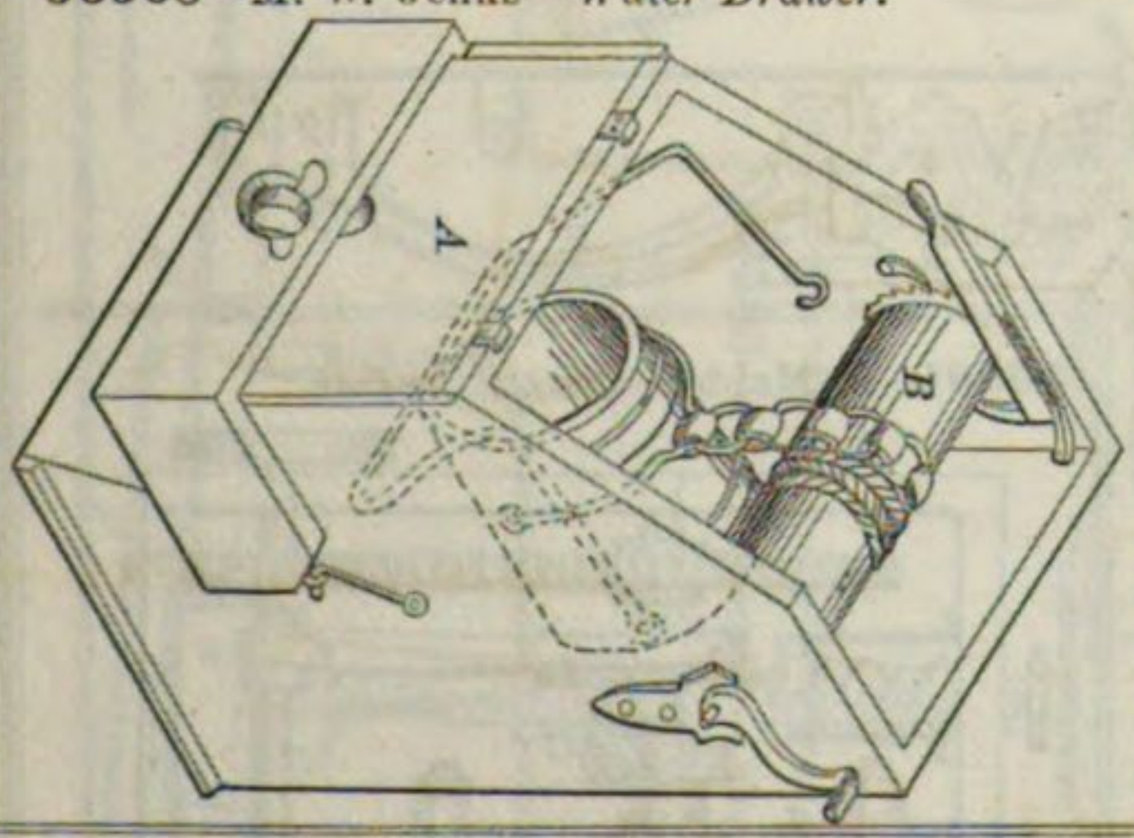


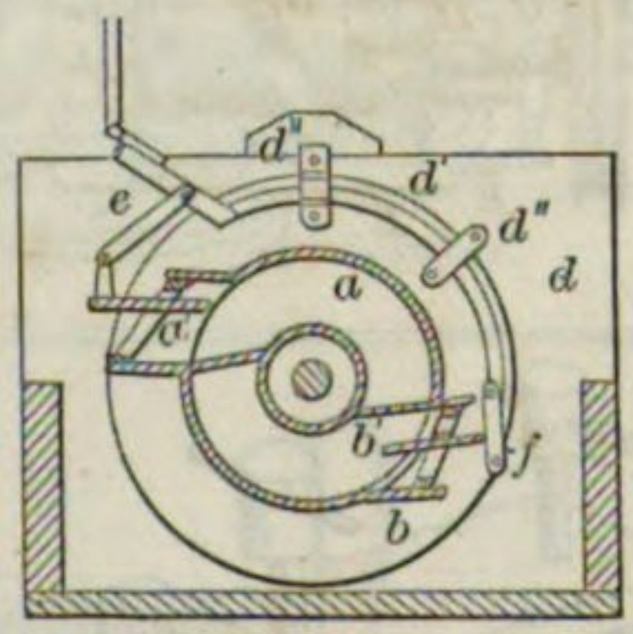
56570—C. A. Kellogg—*Bed Bottom.*

56572—F. J. Kindleberger—*Water Wheel.*

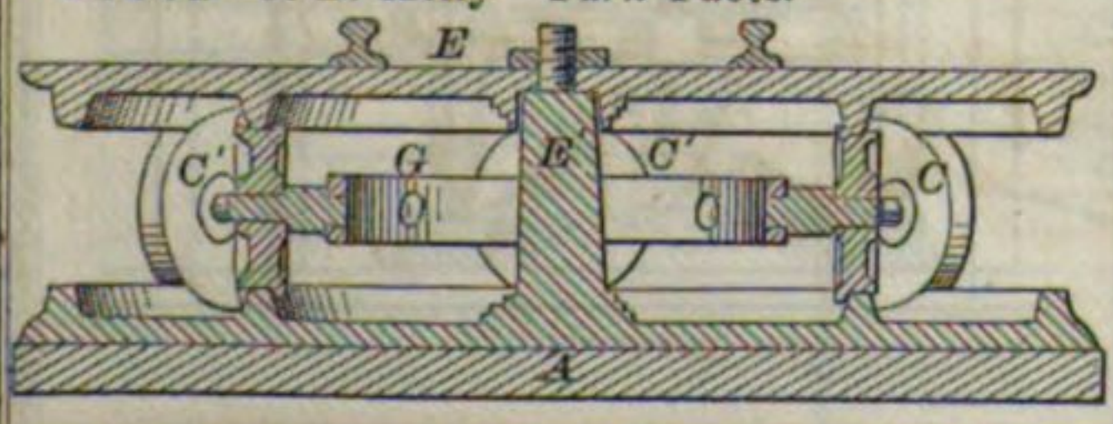


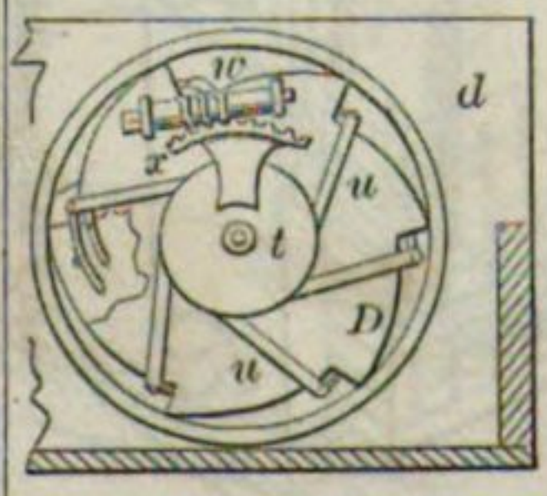
56568—M. W. Jenks—*Water Drawer.*



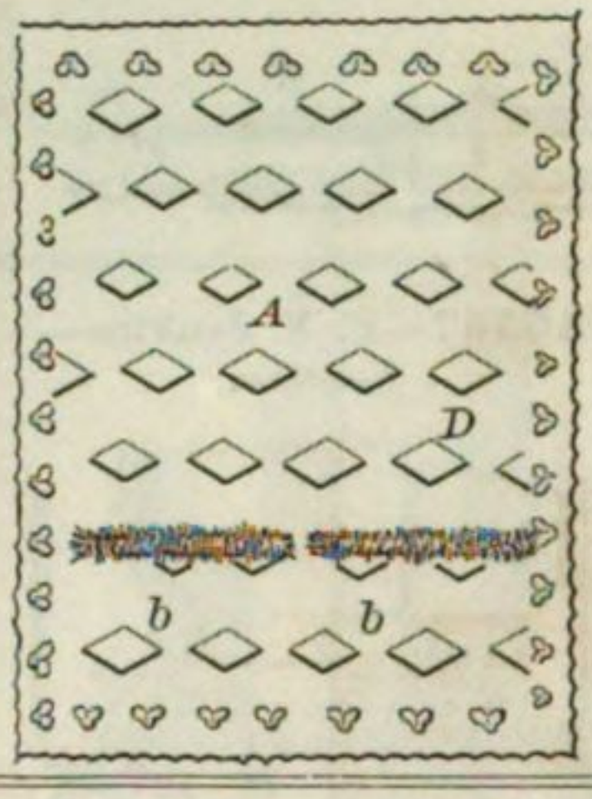


56571—J. B. Kelly—*Turn Table.*

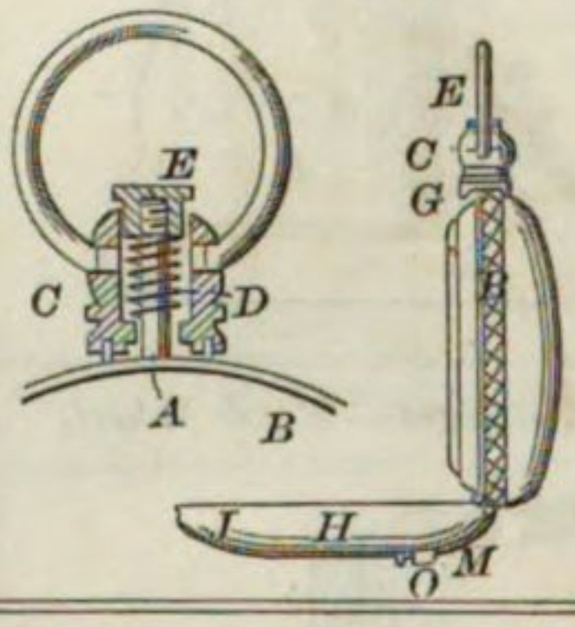




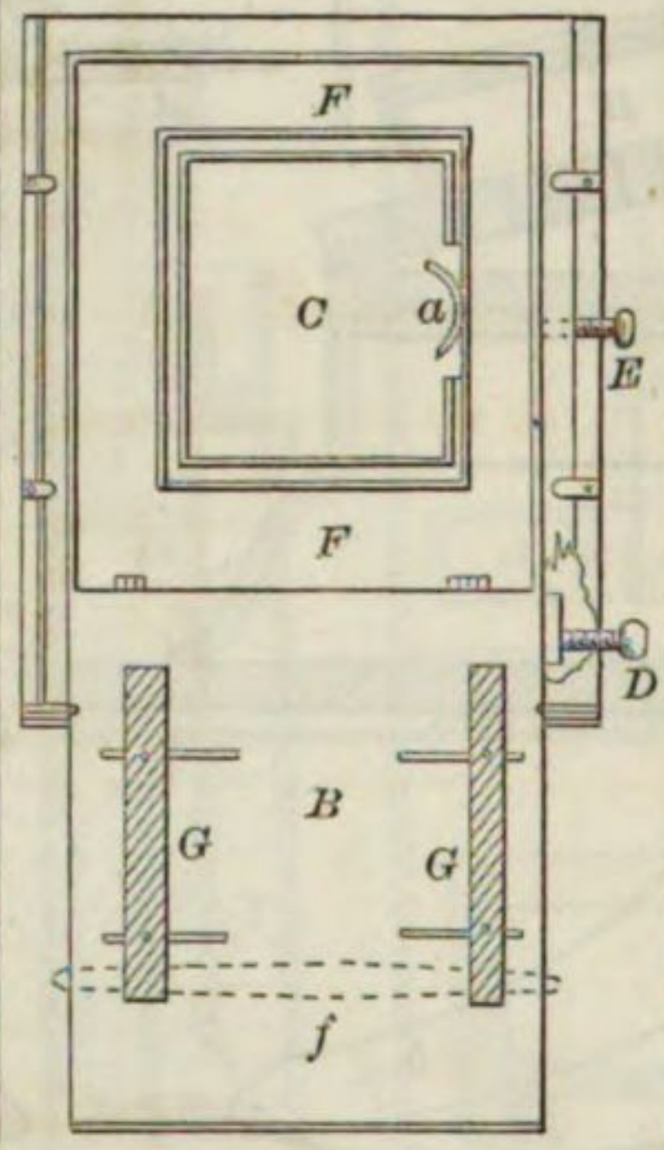
56573—J. Klanke—*Robe.*



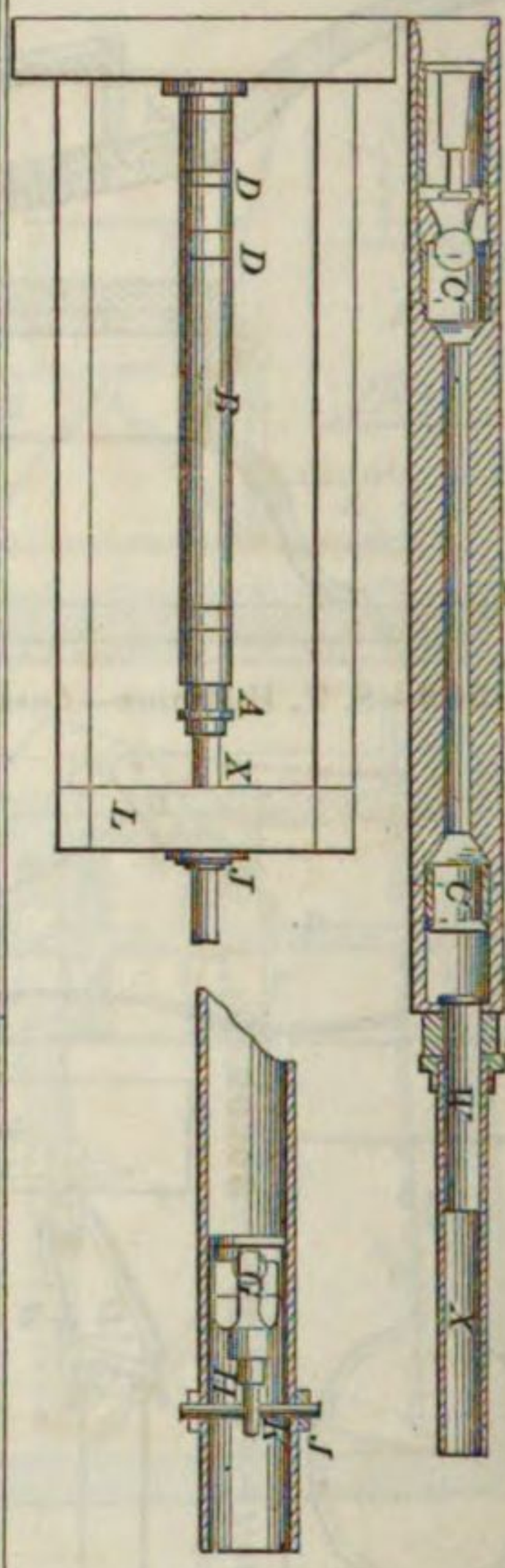
56575—J. G. Konvalinka—
Watch and Locket Case.



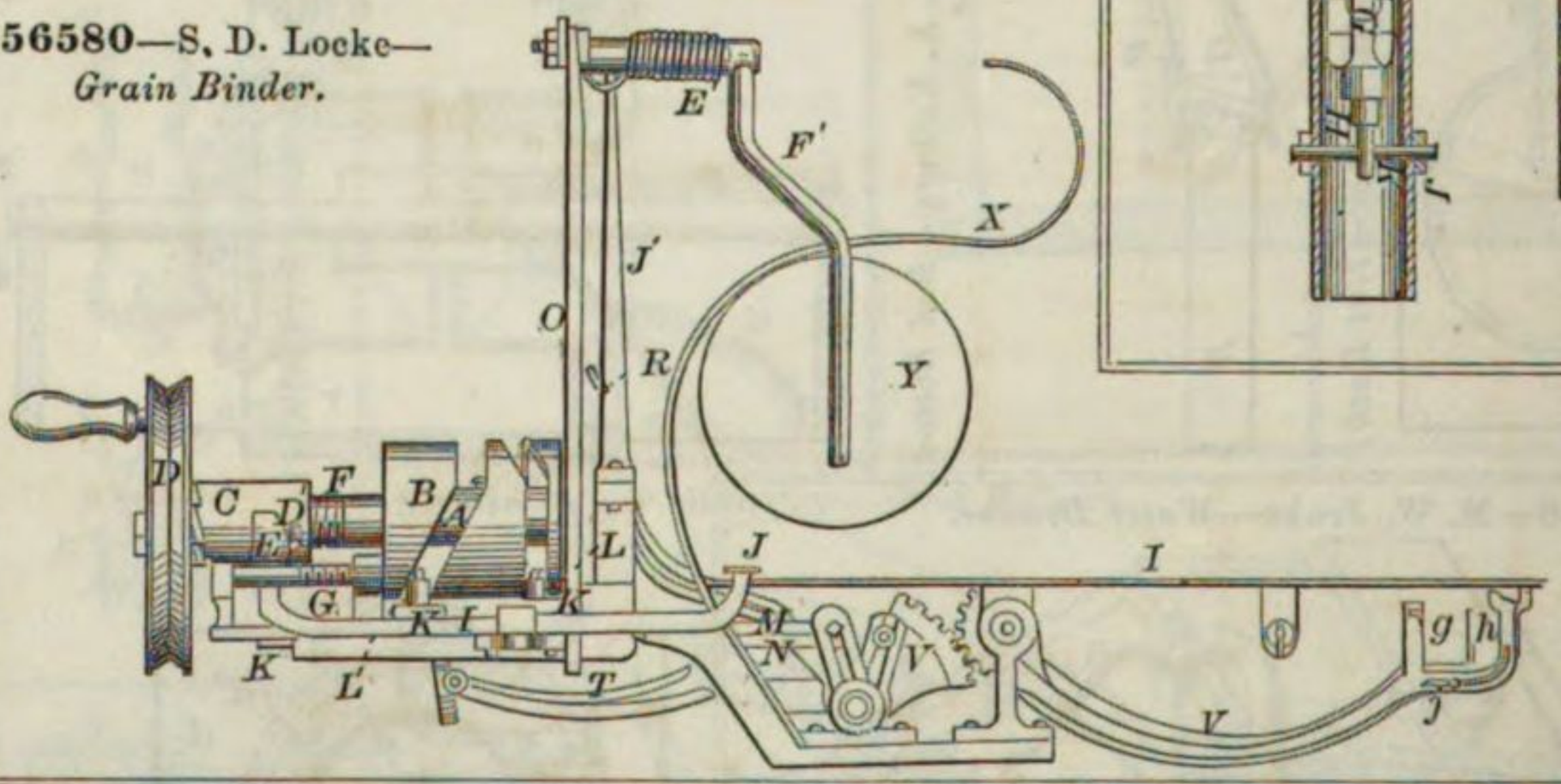
56579—C. L. Lochman—
Porcelain Printing Frame.



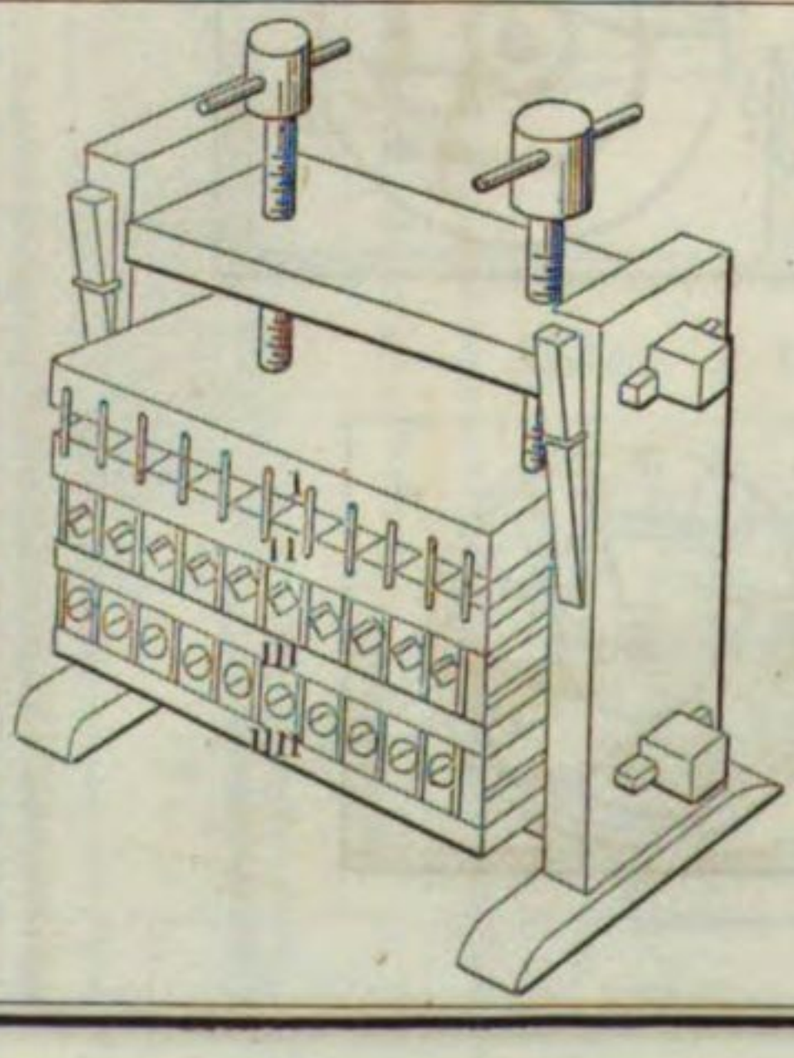
56577—P H Lawrence—
Rock Drilling Machine.



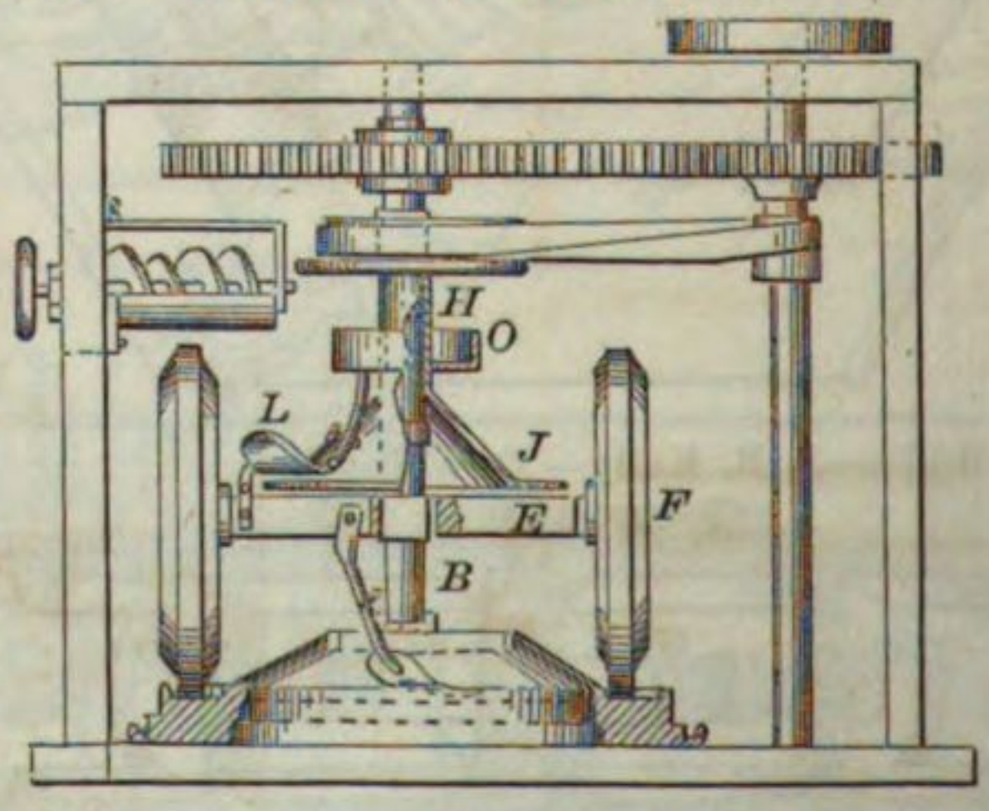
56580—S. D. Locke—
Grain Binder.



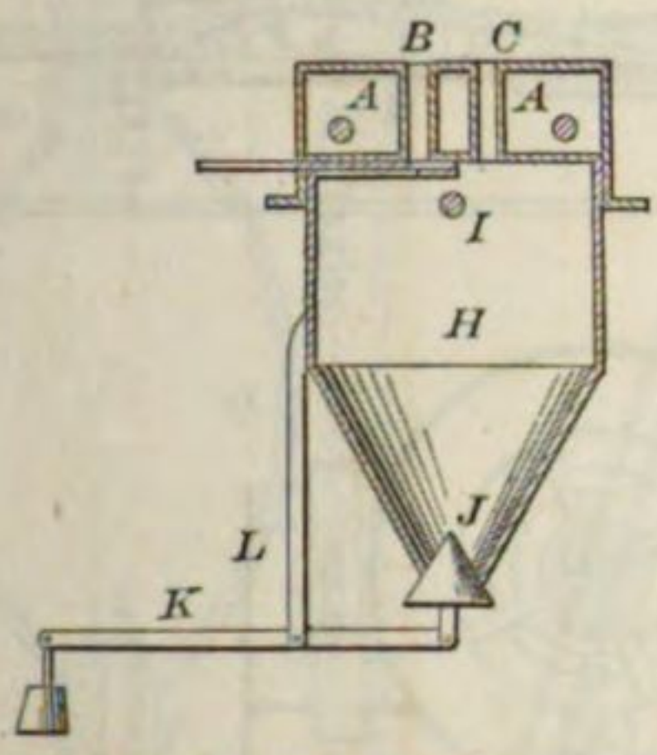
56578—M. Leippe—*Cigar Press.*



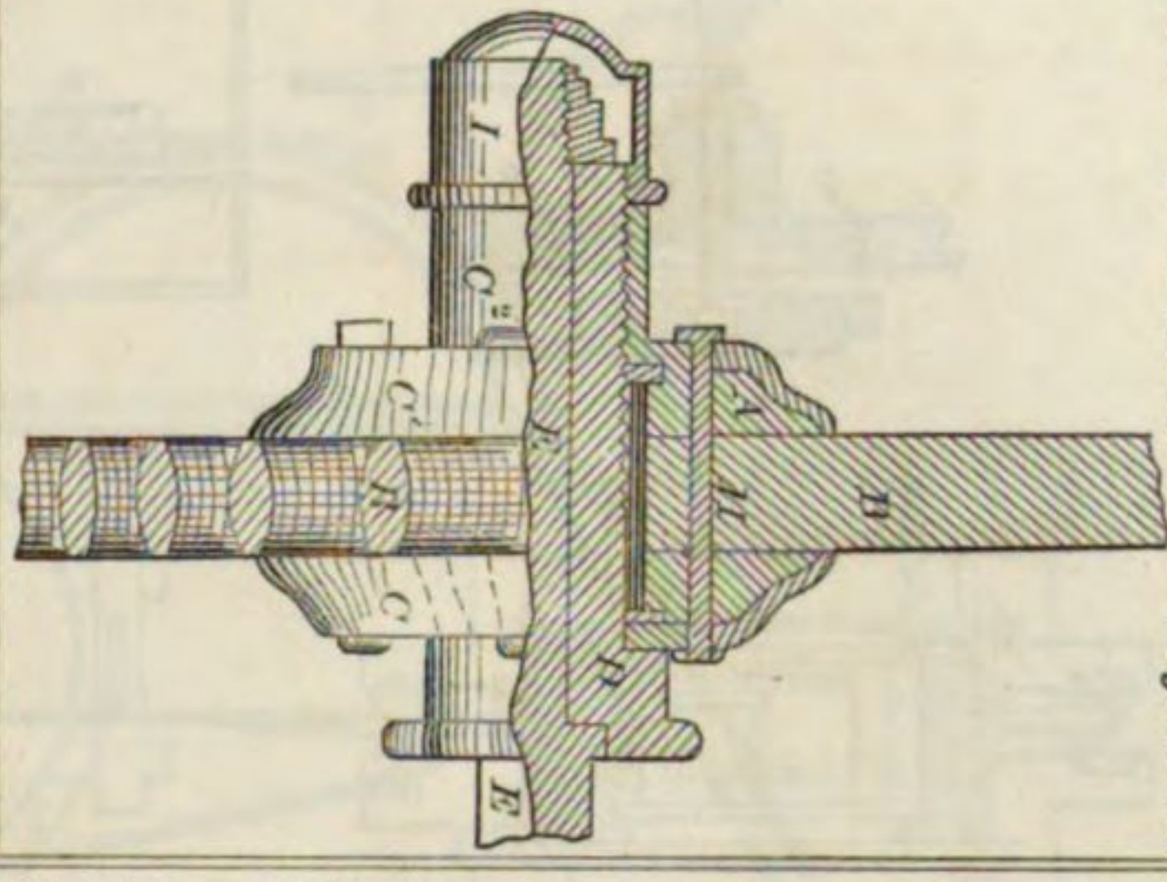
56581—J. Mabbs—*Quartz Crusher.*



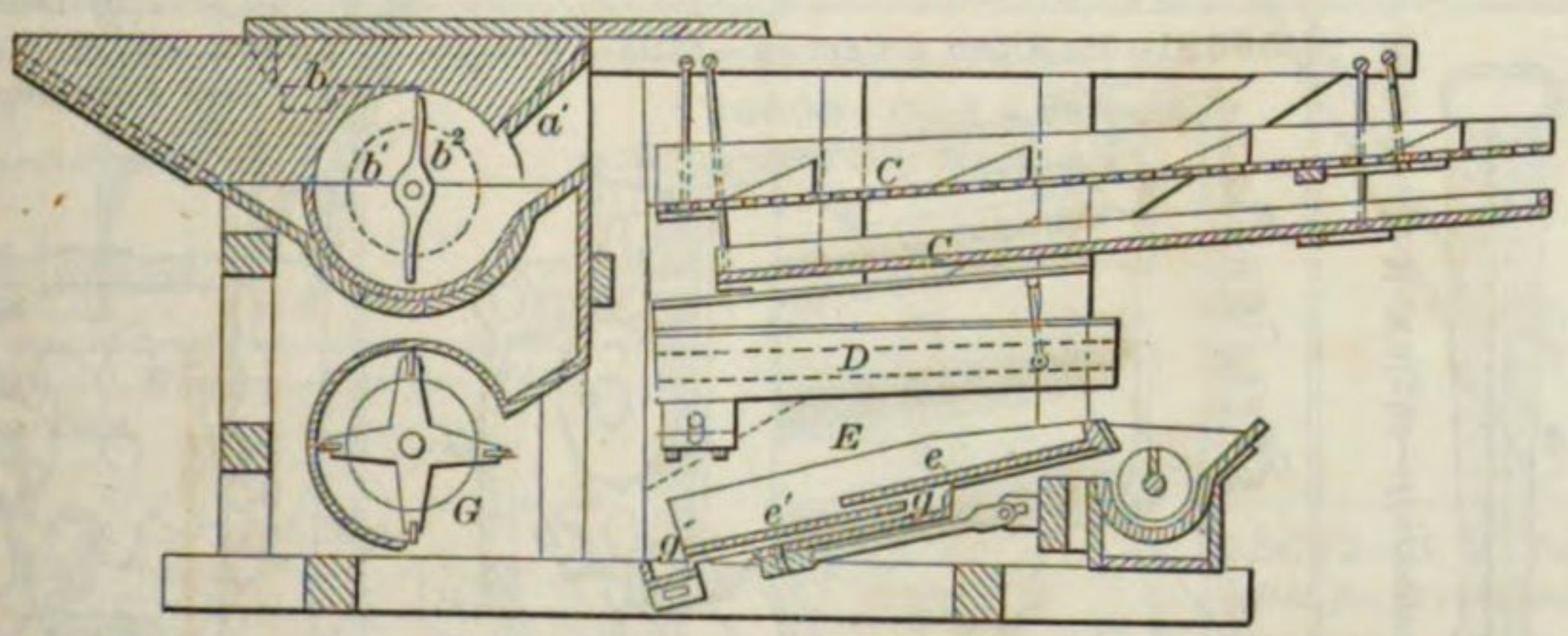
56582—J. F. Maguire—*Tuyere.*



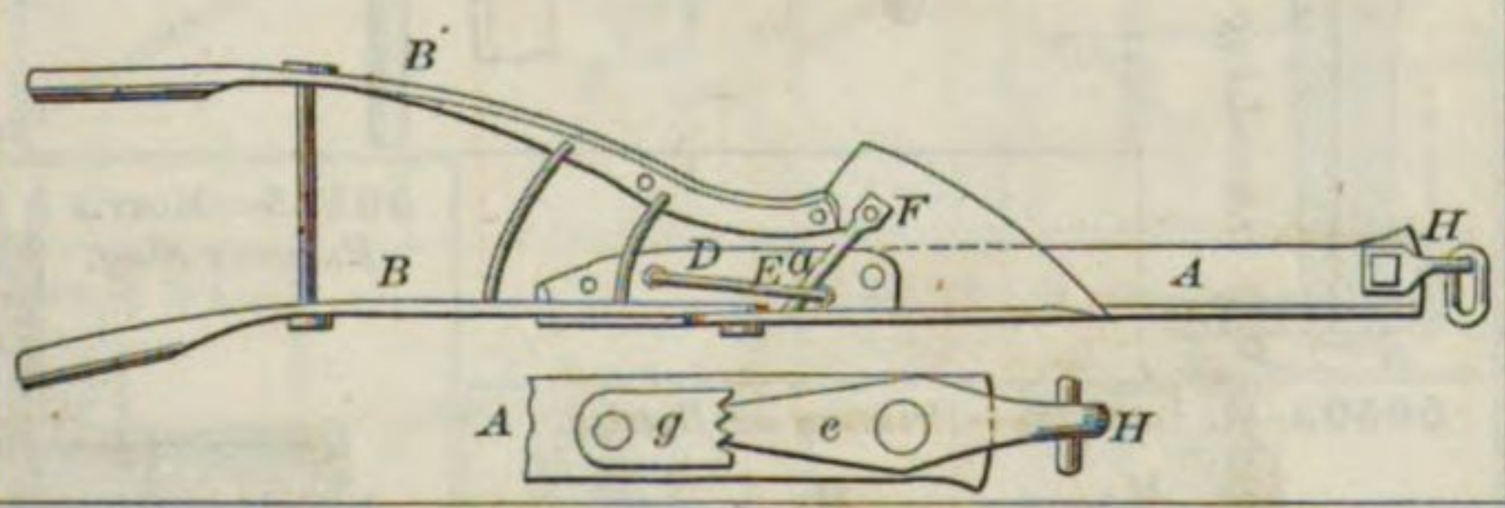
56586—R. W. McClelland—*Wagon Hub.*



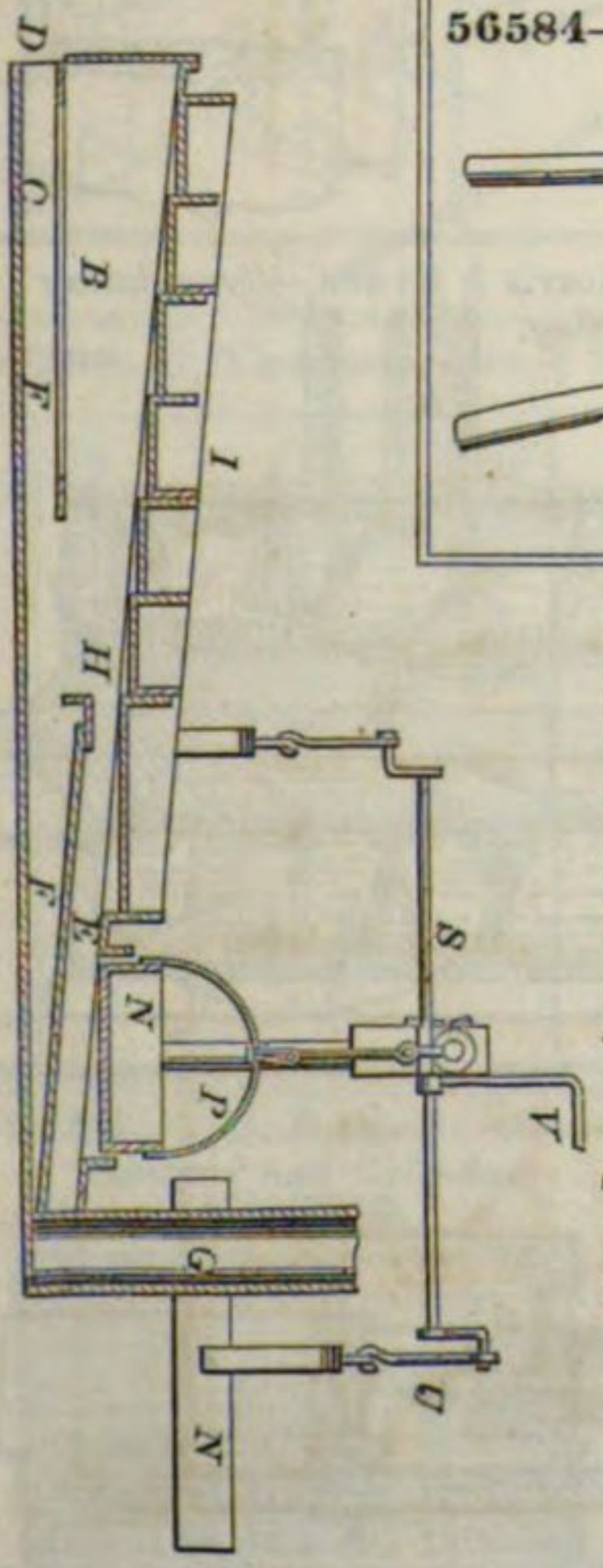
56583—M. H. Mansfield—*Clover Threshing and Hulling Machine.*



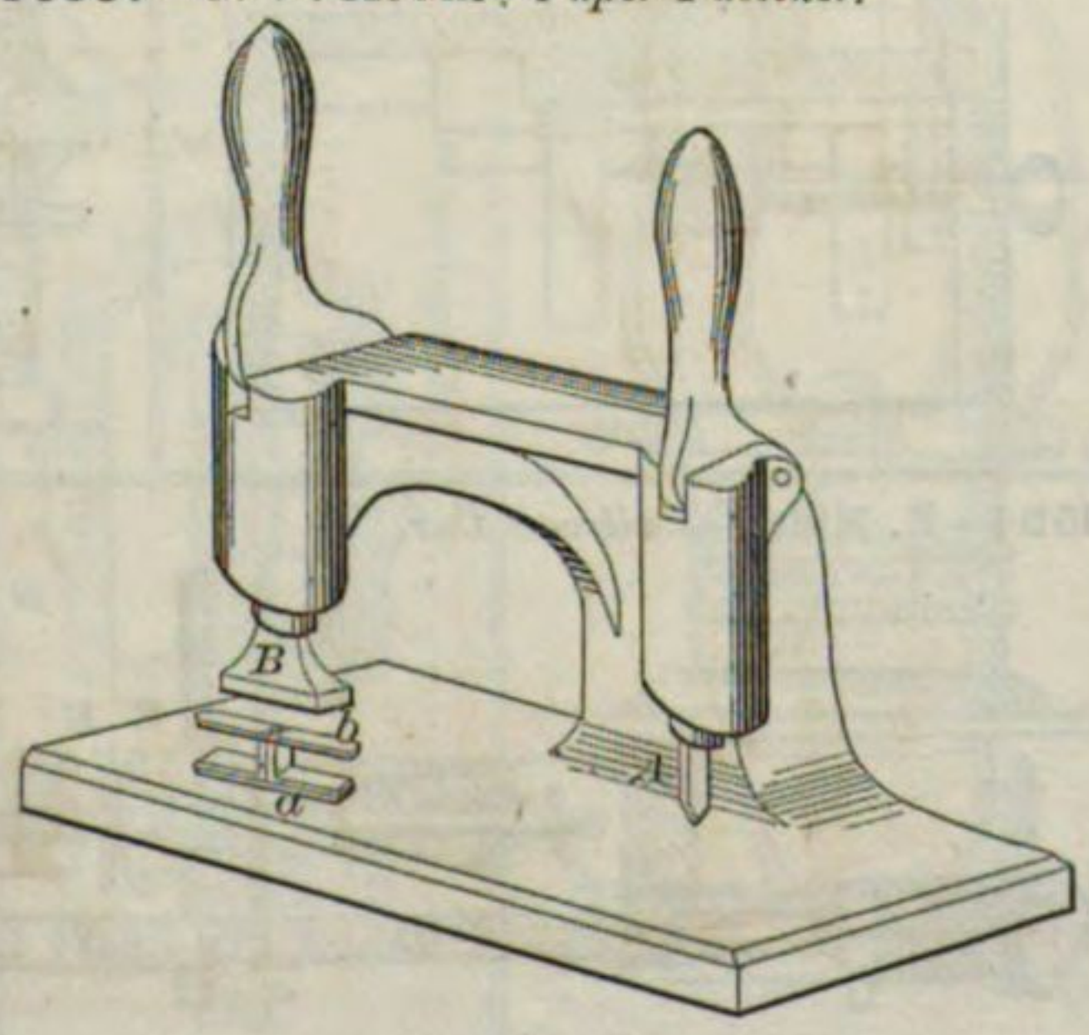
56584—H. A. Martin—*Plow.*



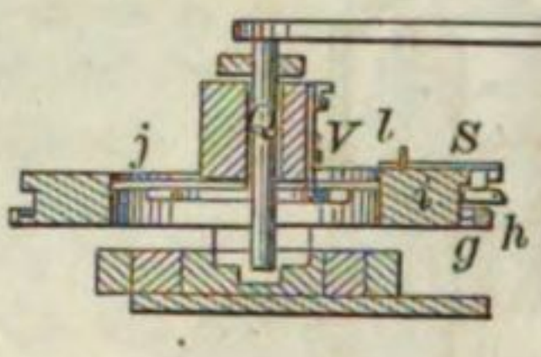
56585—S. B. Maulsby—*Evaporator.*



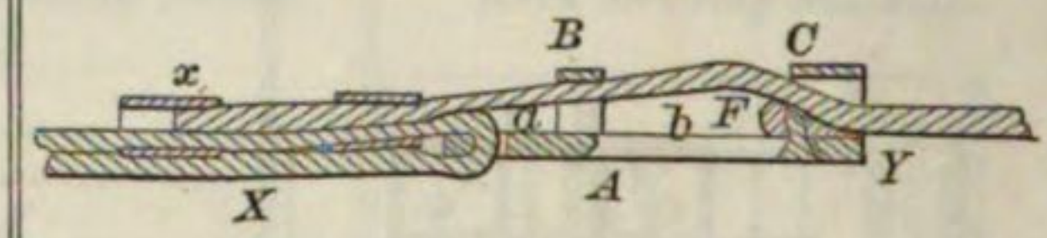
56587—G. W. McGill—*Paper Fastener.*

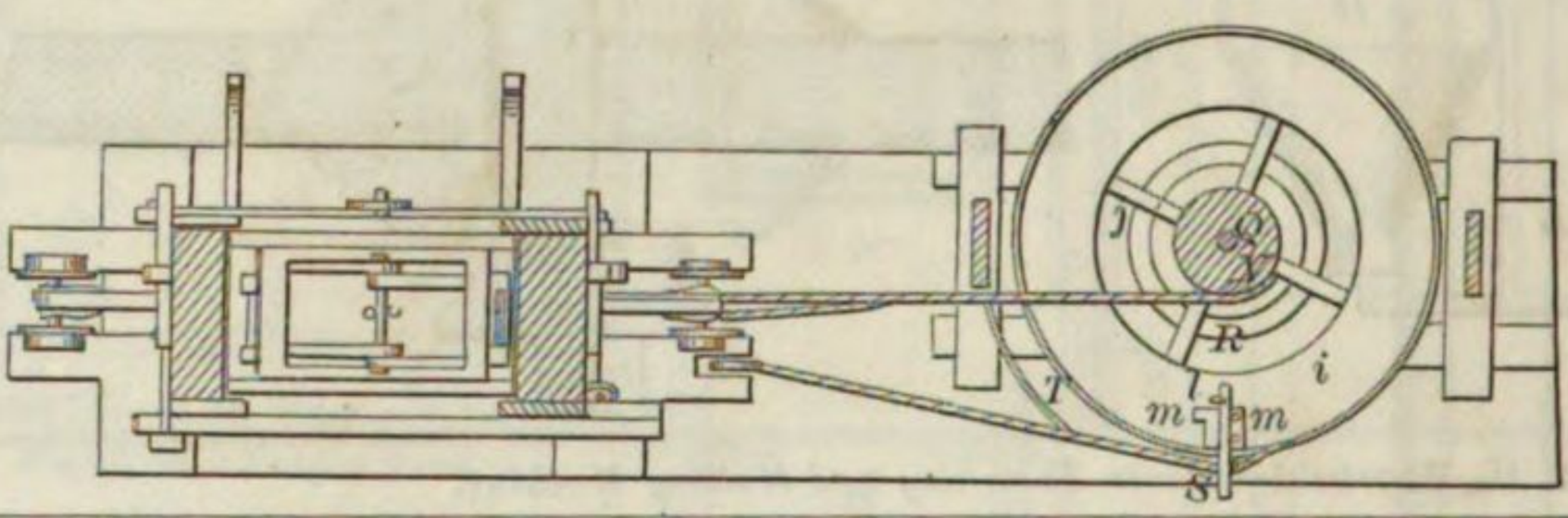


56588—J. A. McGillirrae—*Press.*

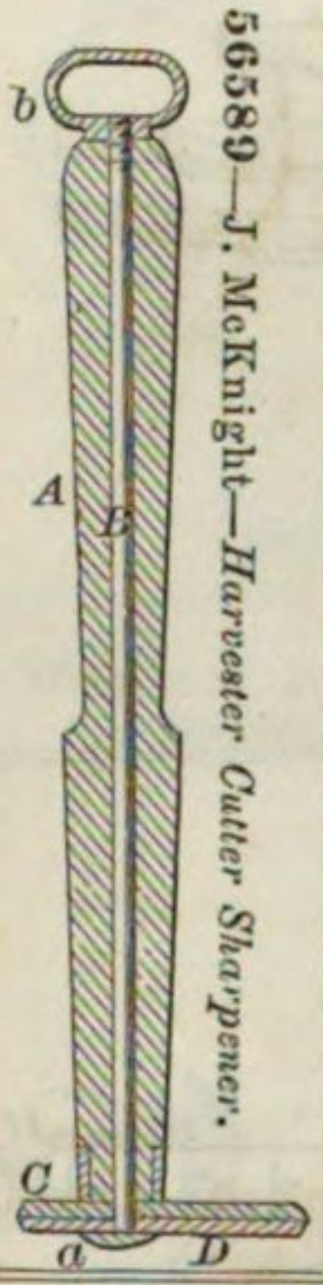


56590—J. McLellen—*Buckle.*

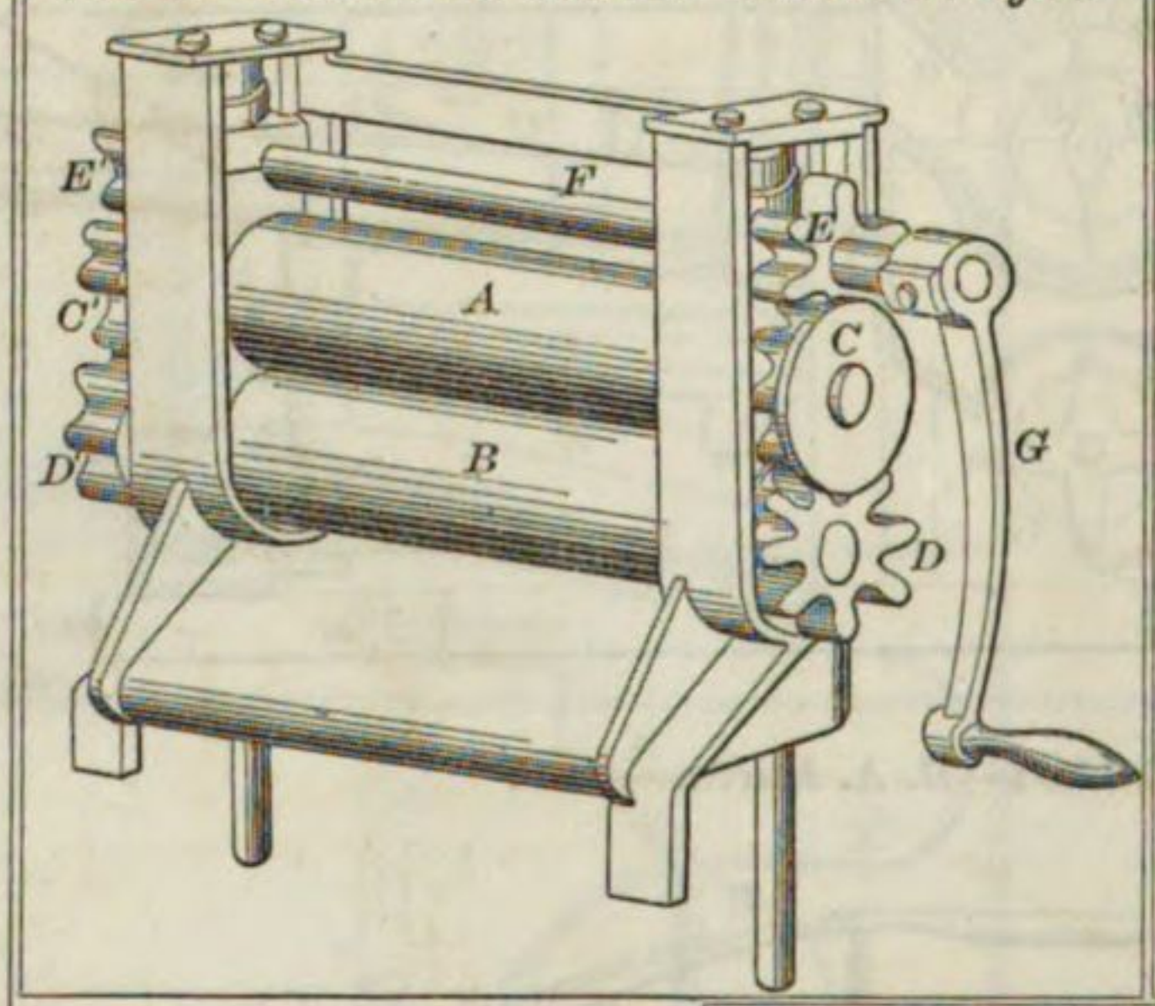




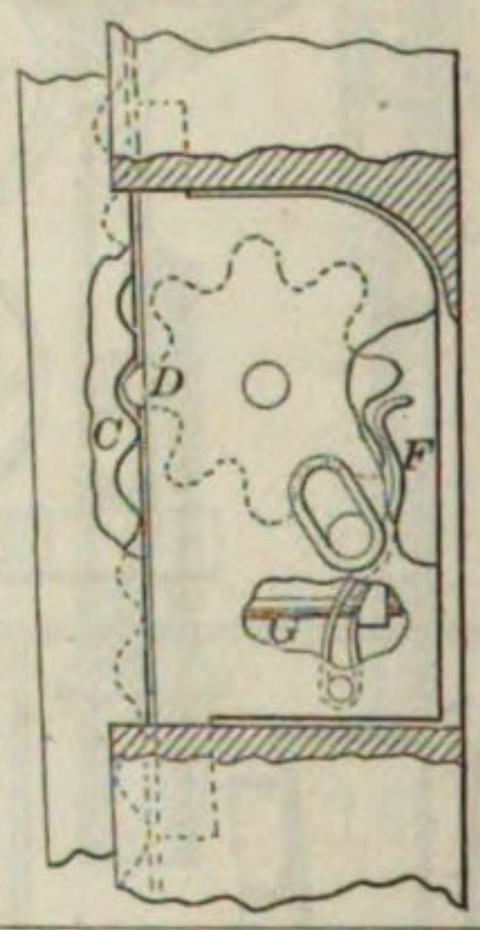
56589—J. McKnight—*Harvester Cutter Sharpener.*



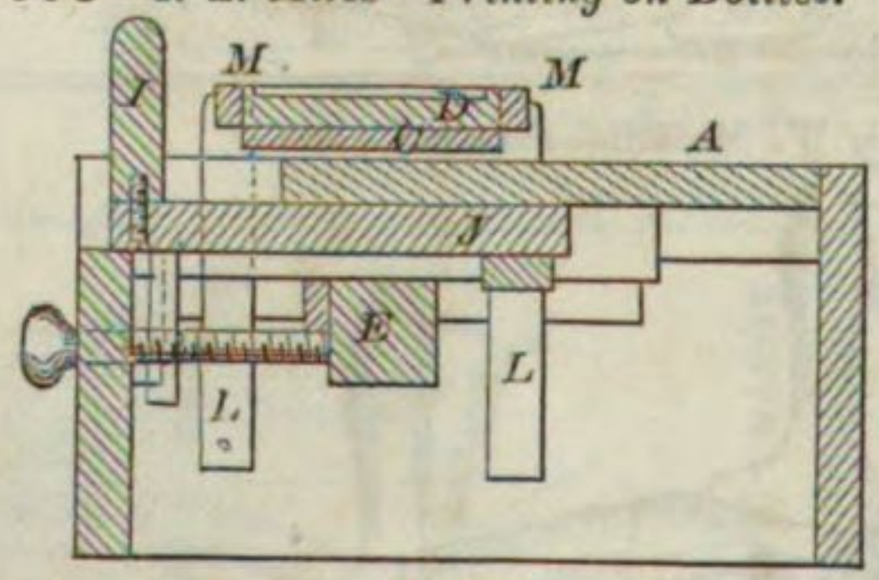
56591—McMillen & Conrick—*Clothes Wringer.*



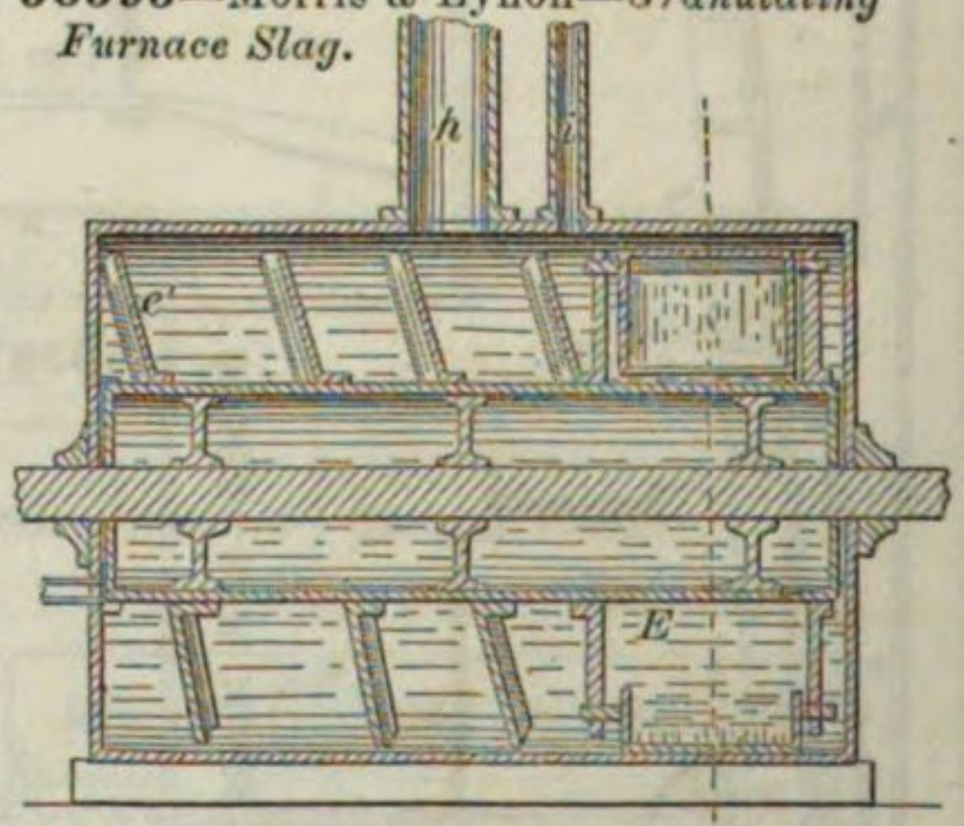
56592—W. M. Merriel—*Sash Fastening.*



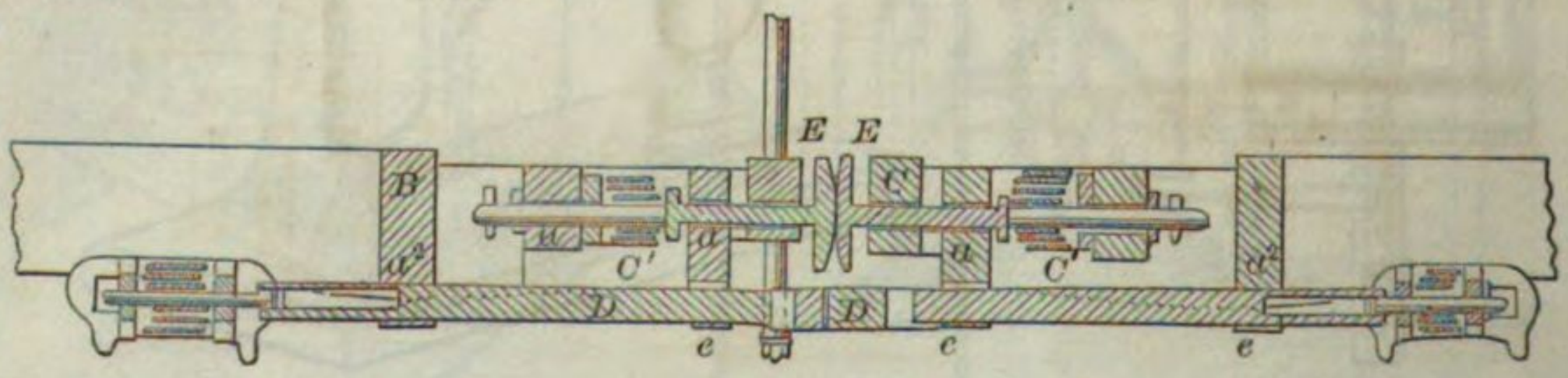
56593—I. L. Miles—*Printing on Bottles.*



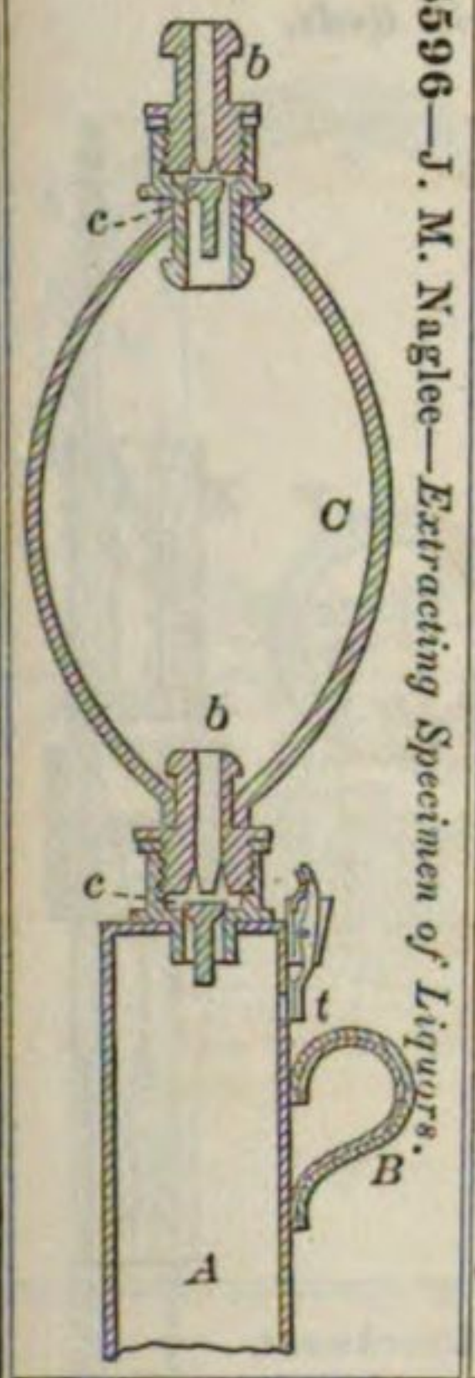
56595—Morris & Eynon—*Granulating Furnace Slag.*



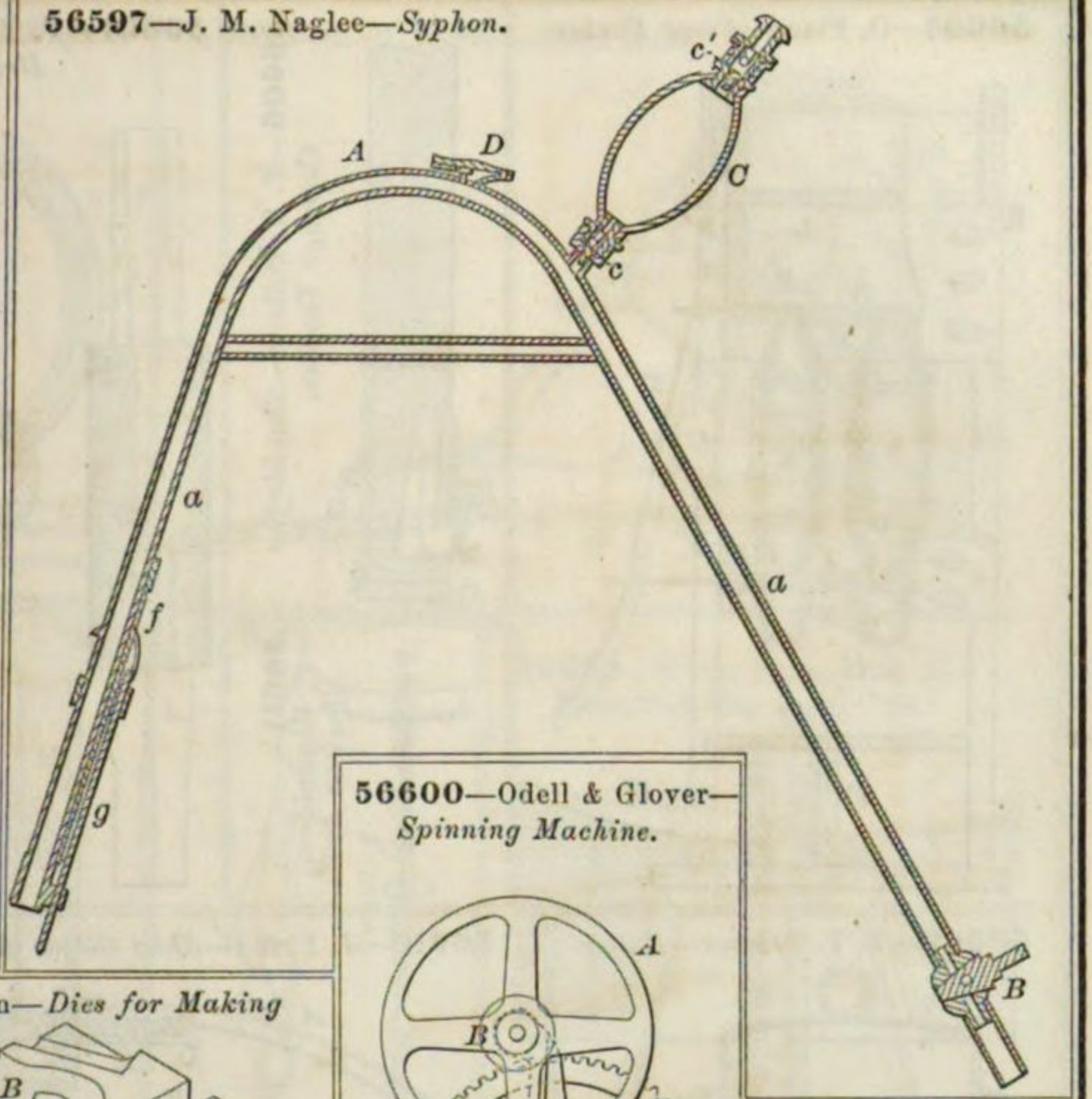
56594—E. Miller—*Railroad Car.*



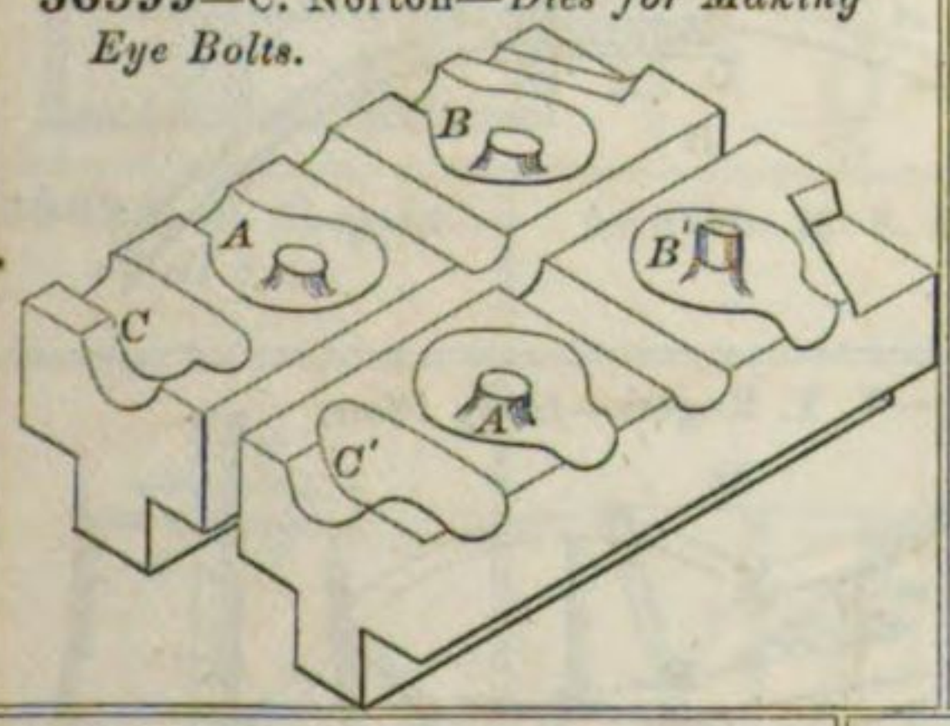
56596—J. M. Naglee—*Extracting Specimen of Liquors.*



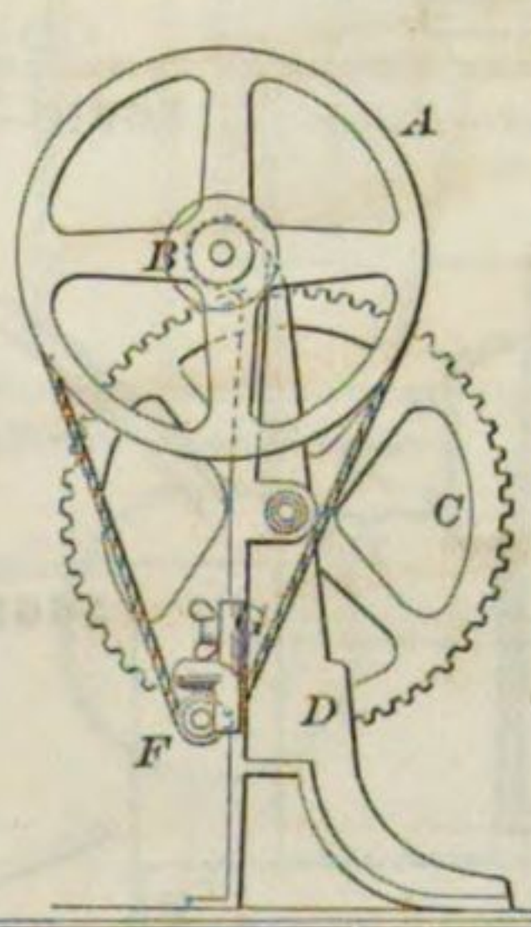
56597—J. M. Naglee—*Syphon.*



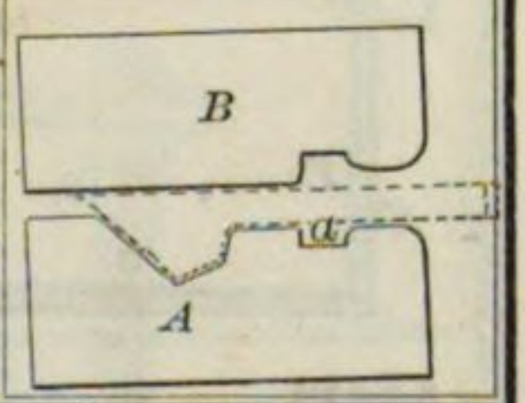
56599—C. Norton—*Dies for Making Eye Bolts.*



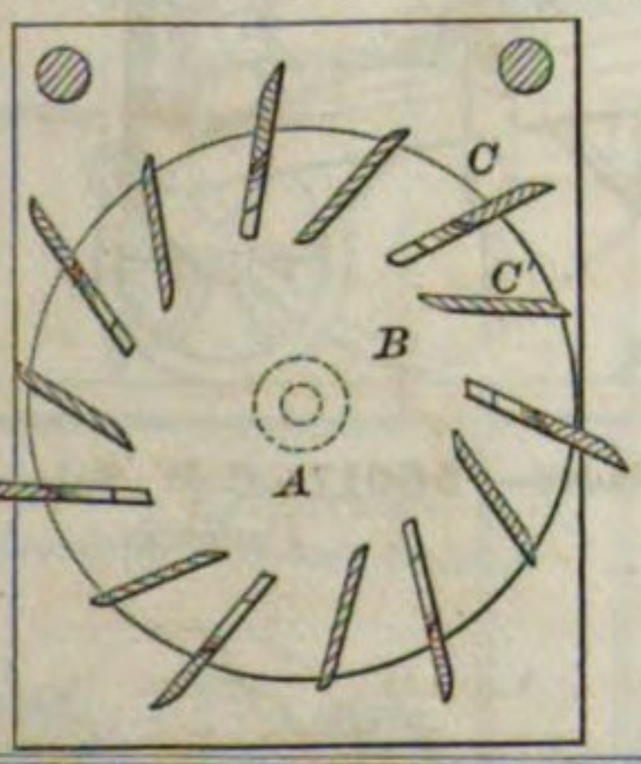
56600—Odell & Glover—*Spinning Machine.*



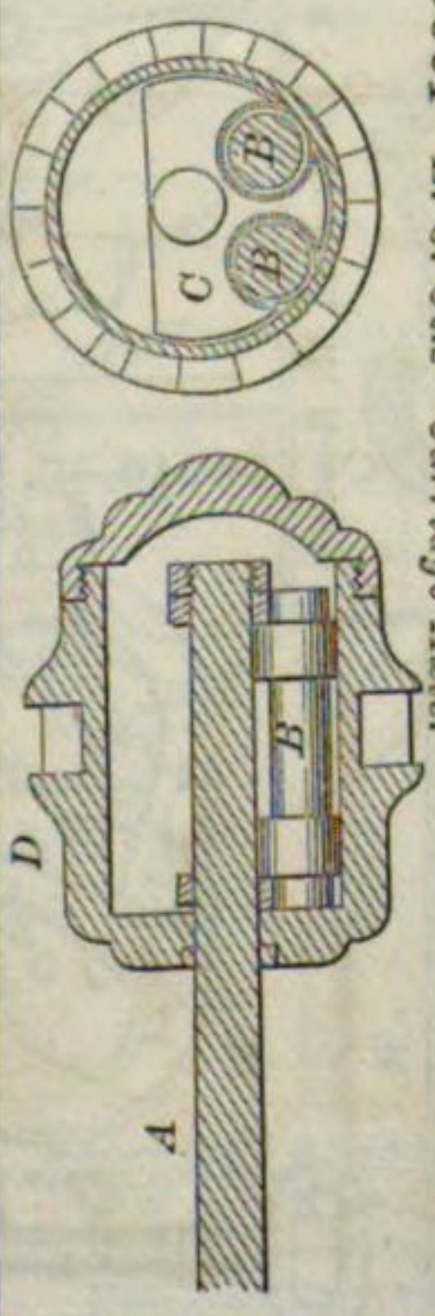
56602—H. W. Pell—*Die for Wrenches.*



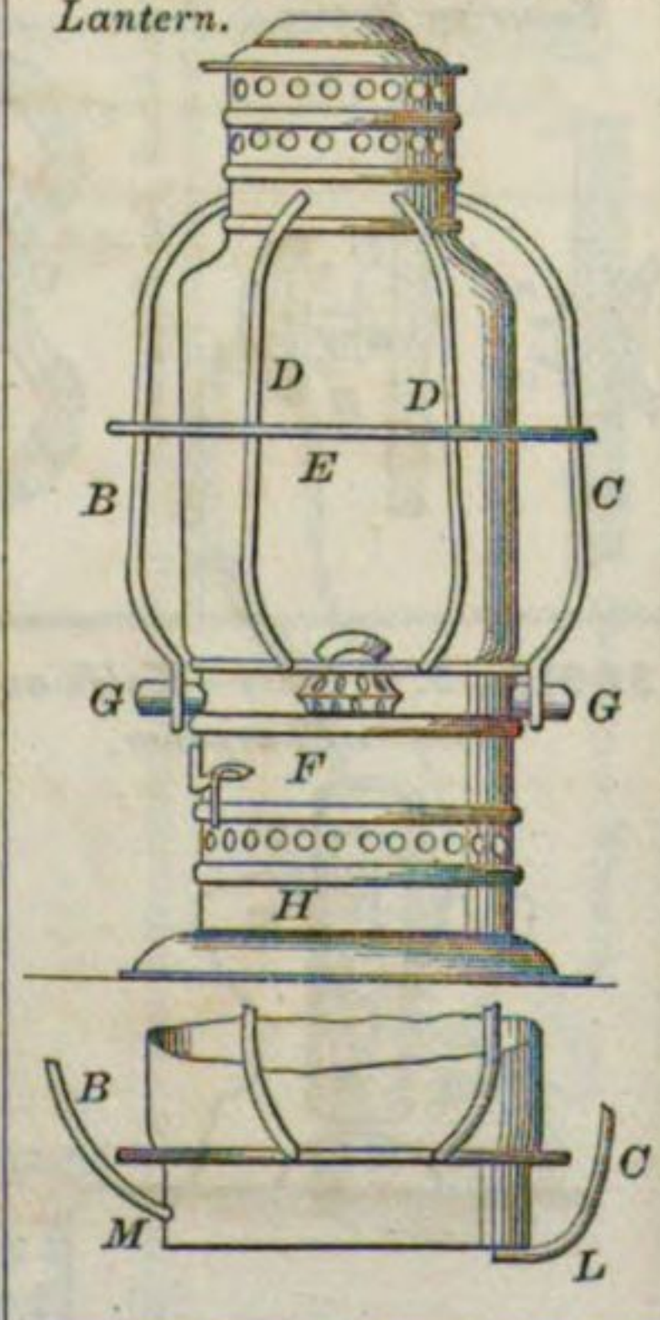
56598—C. Nickerson—*Wind Wheel.*



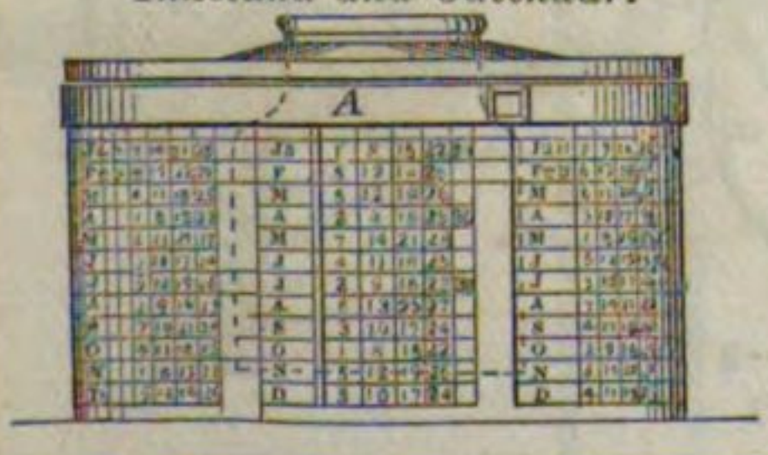
56601—E. C. Otis—*Carriage Axle.*



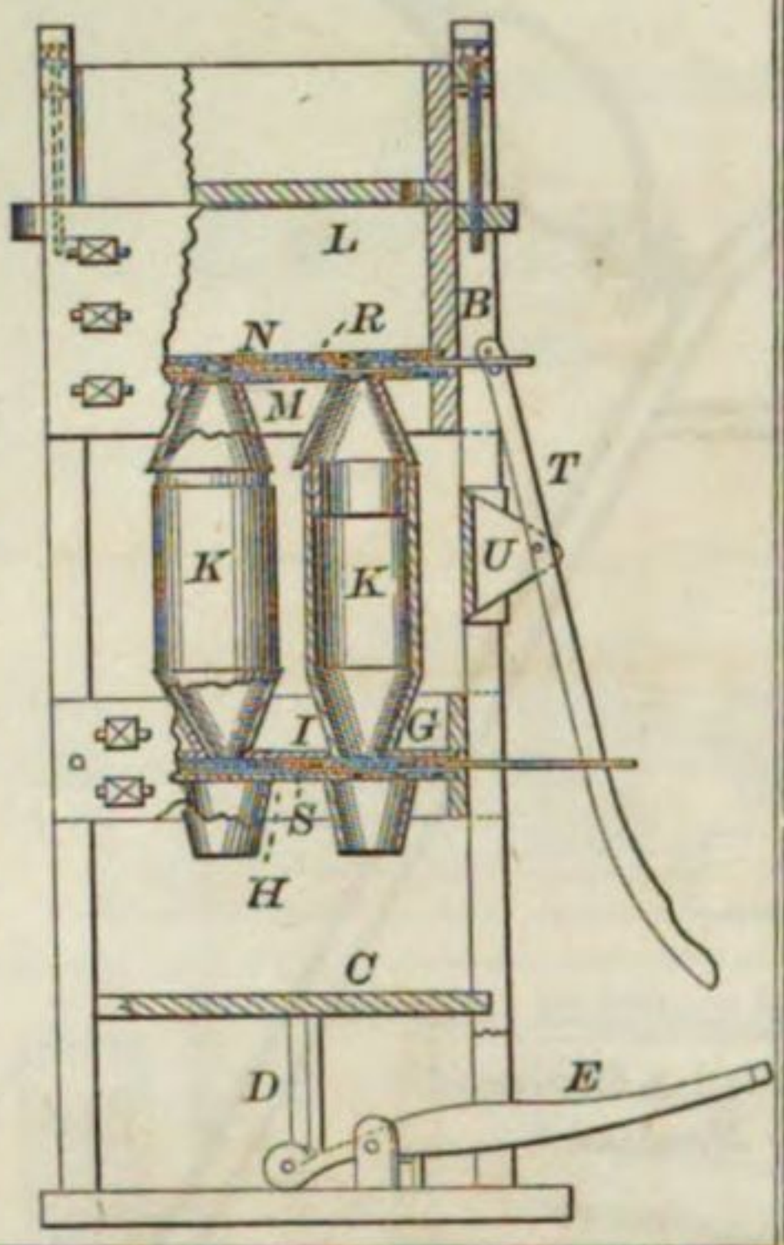
56604—G. Peugeot—*Hand Lantern.*



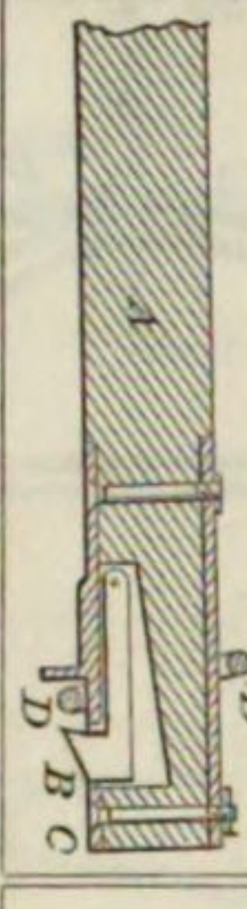
56603—G. G. Percival—*Combined Inkstand and Calendar.*



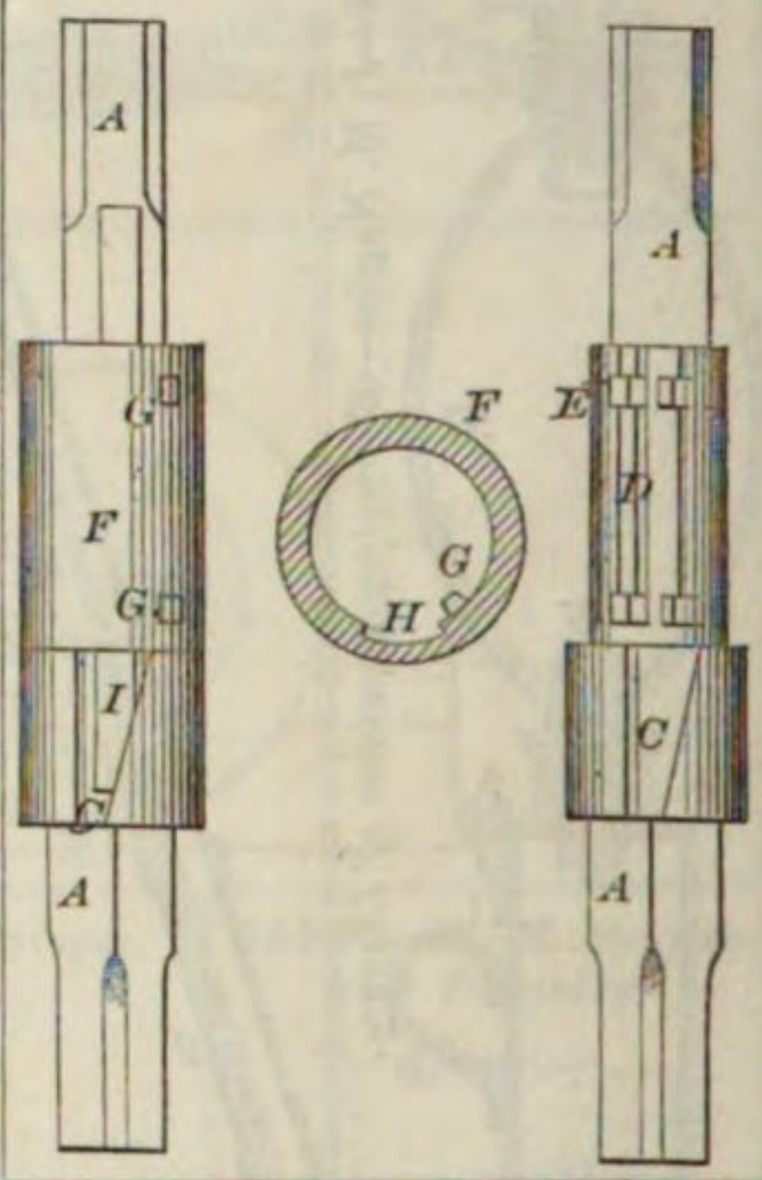
56605—O. Place—*Flour Packer.*



56606—F. R. Pollard—*Shackle for Carriage Tongues.*

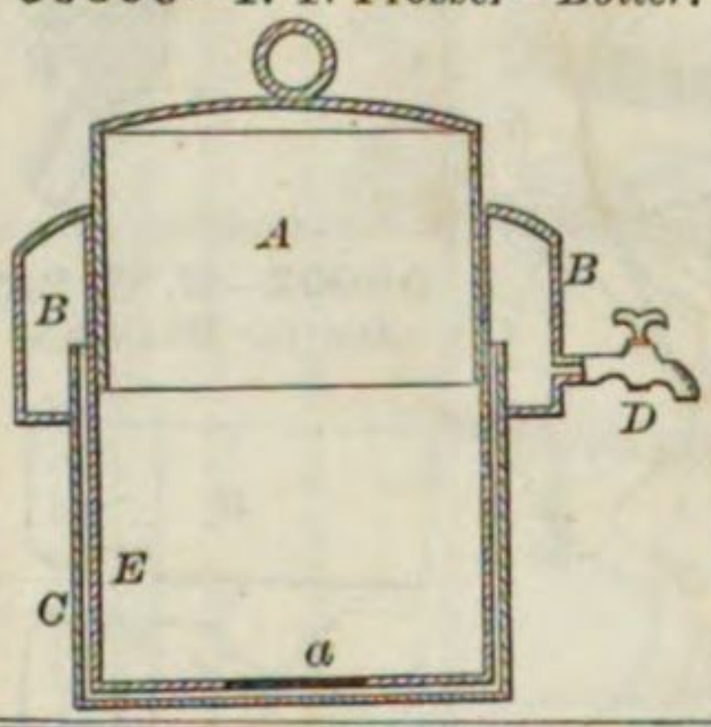


56607—V. T. Priest—*Collar for Drill Rods.*

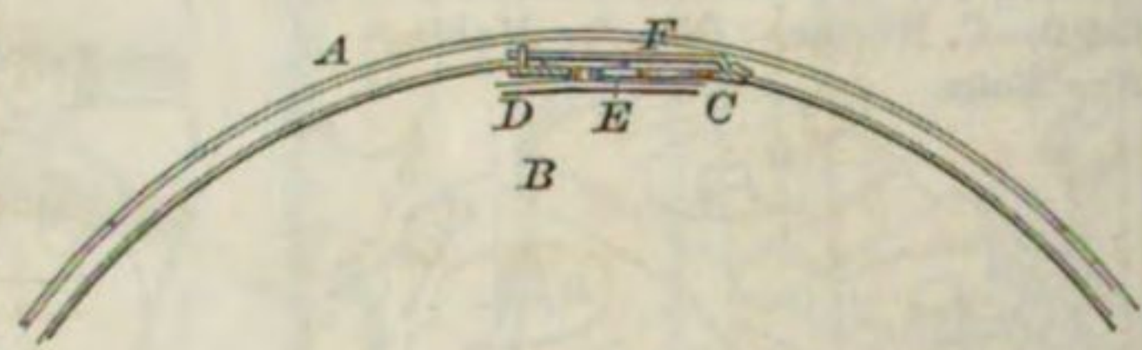


56611—F. Reynold—*Harness Nail.*

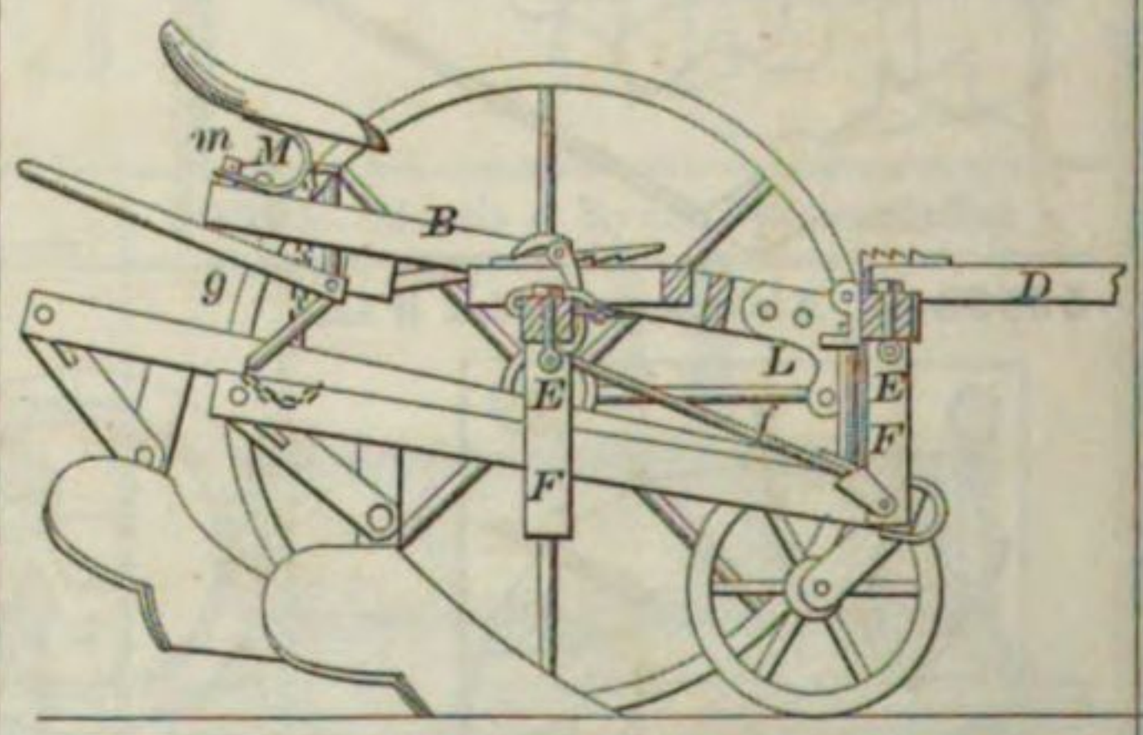
56609—T. T. Prosser—*Boiler.*



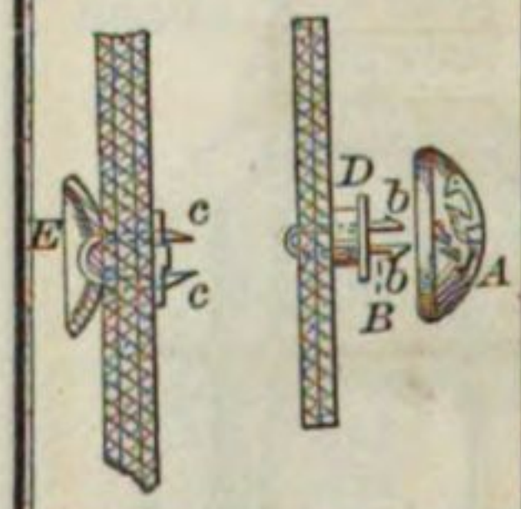
56610—J. Proud—*Shirt Collar Attachment.*



56613—W. T. Rogers—*Gang Plow.*

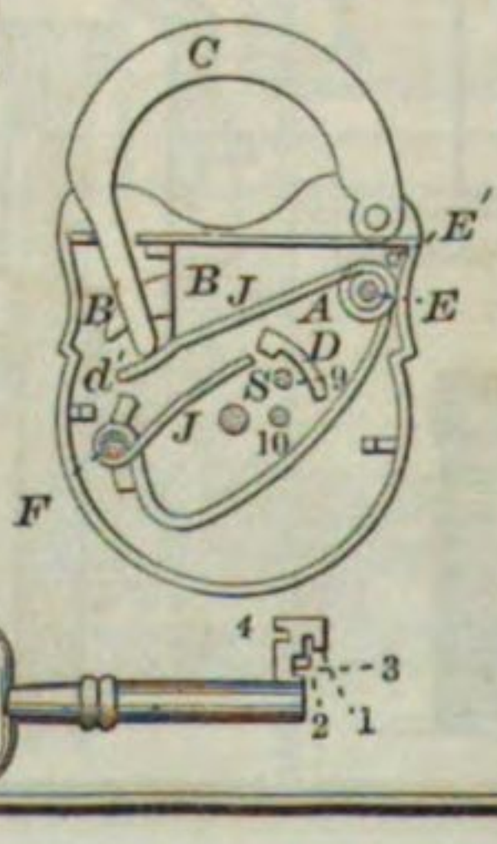


56612—J. W. Roberts—*Securing Buttons.*

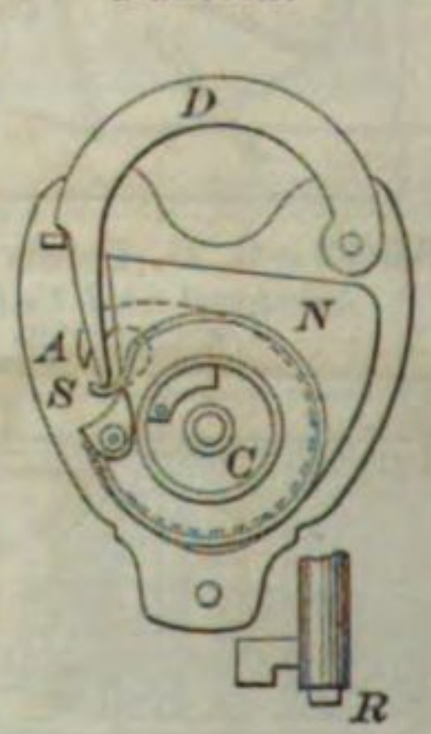


56614—P. H. & F. M. Roots—*Crosshead for Blowers.*

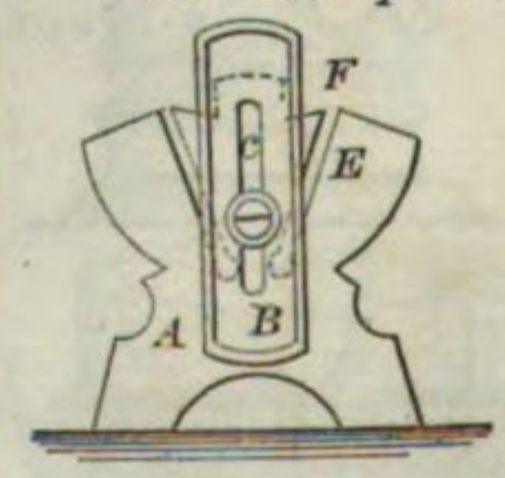
56616—C. W. Saladee—*Padlock.*



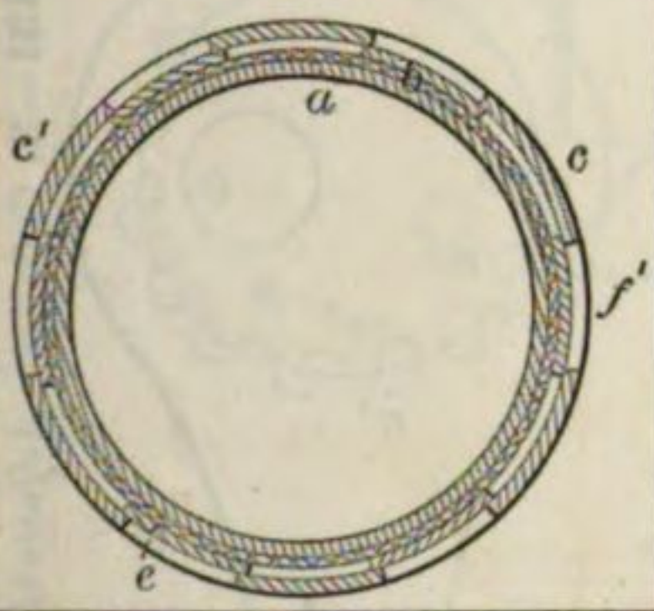
56617—C. W. Saladee—*Padlock.*



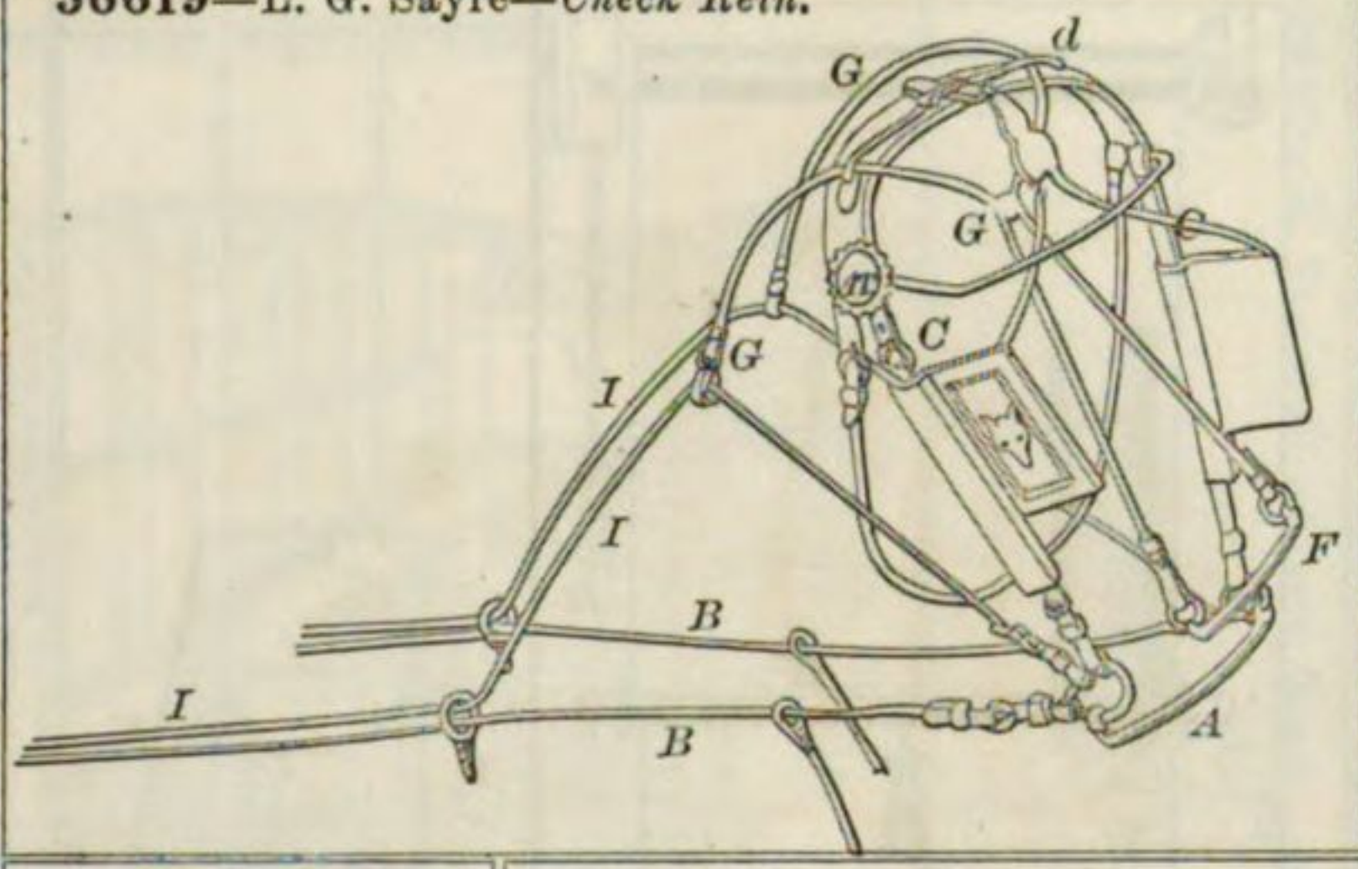
56615—J. J. Russ—*Knife and Scissors Sharpener.*



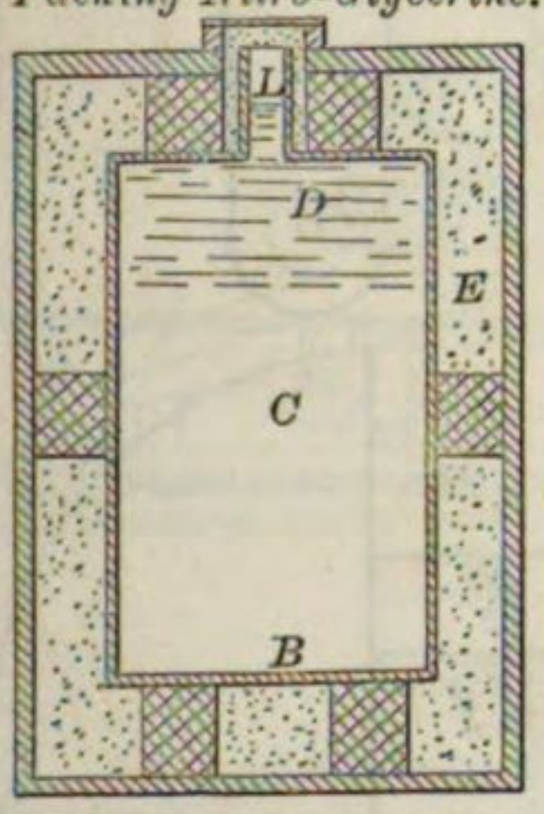
56618—L. Sauter—*Napkin Ring.*



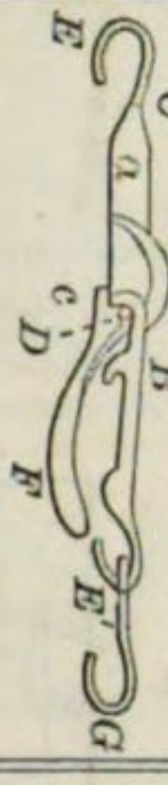
56619—L. G. Sayre—*Check Rein.*



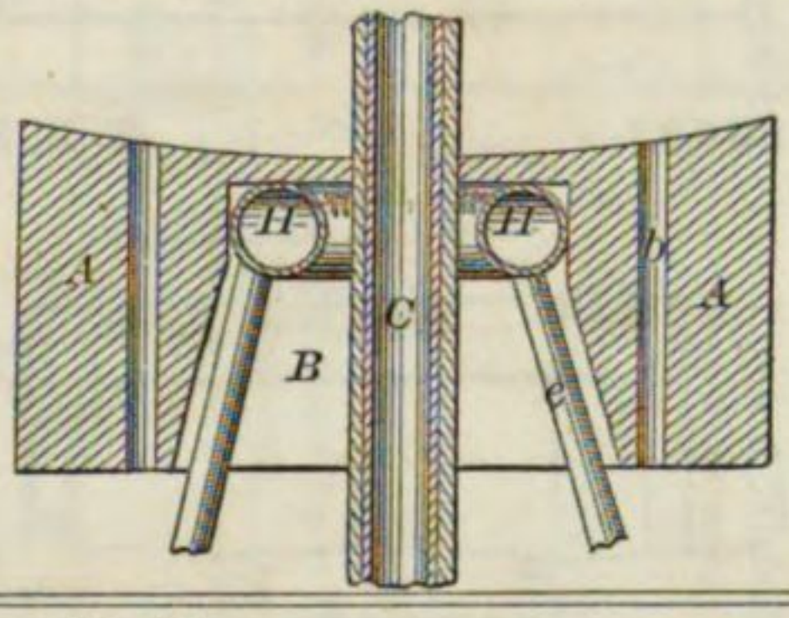
56620—T. P. Shaffner—*Packing Nitro-Glycerine.*



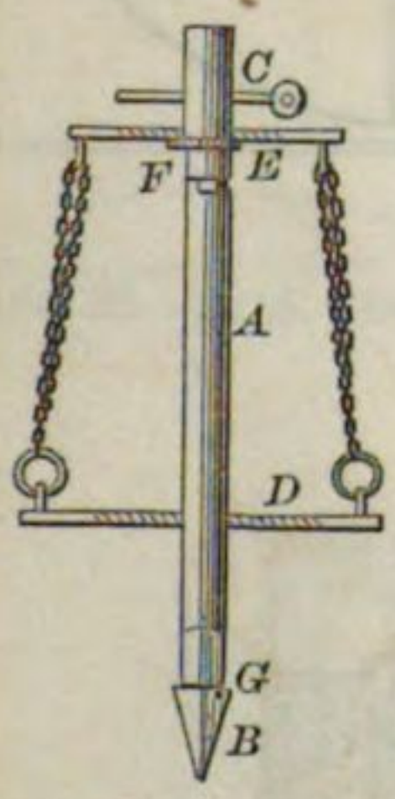
56621—M. R. Shalters—*Hame Fastener.*



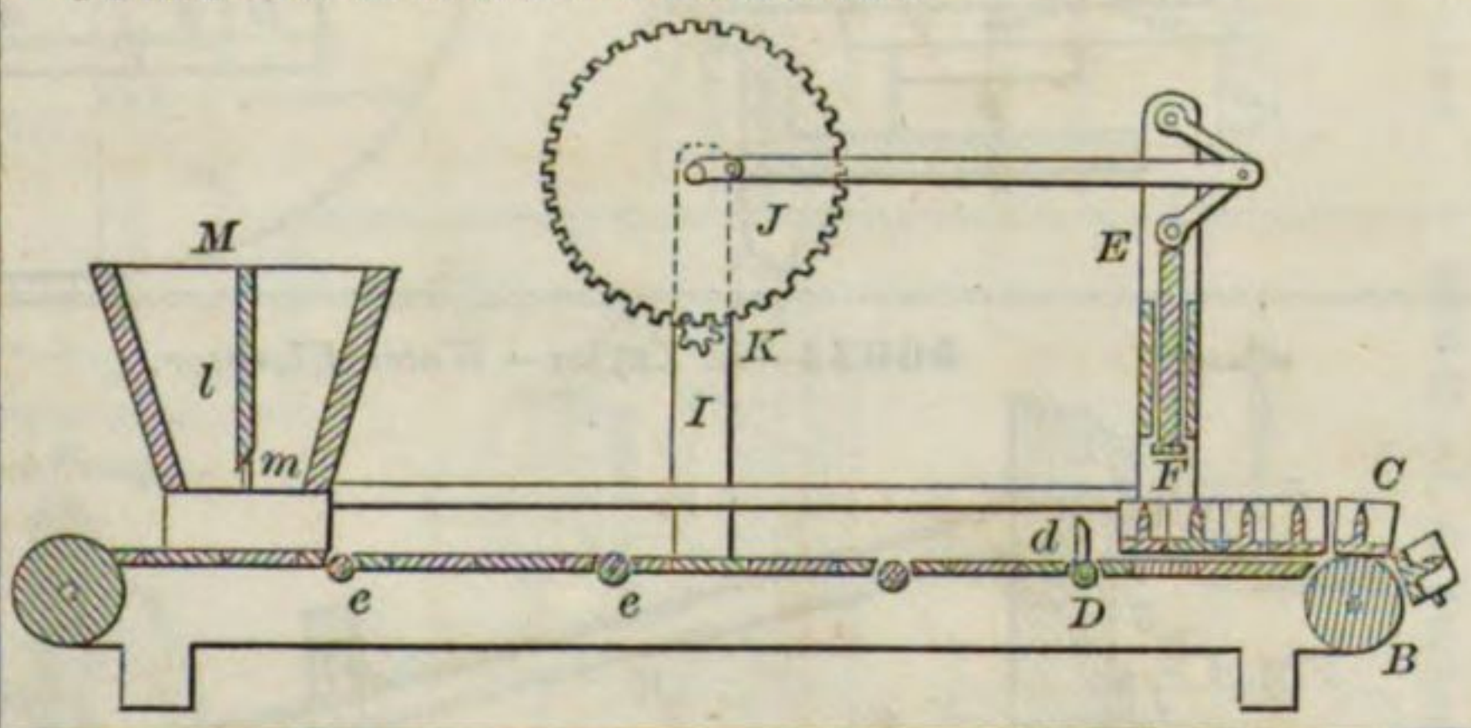
56622—W. A. Shaw—*Die for Manufacturiug Lead Pipe.*



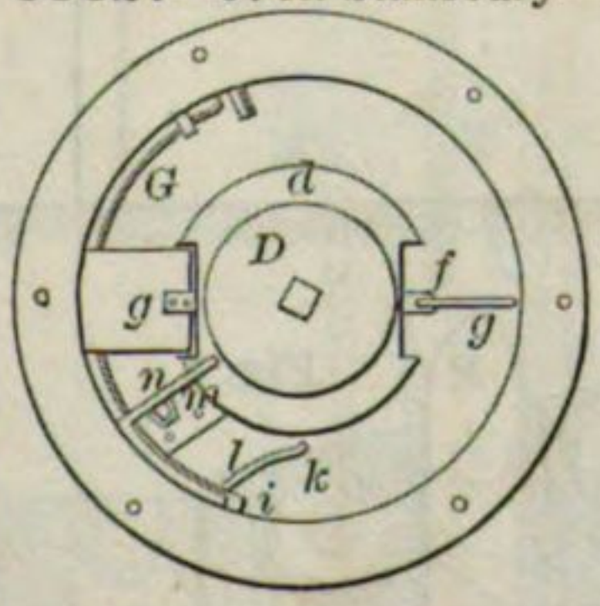
56623—C. Shepard—*Well Tube.*

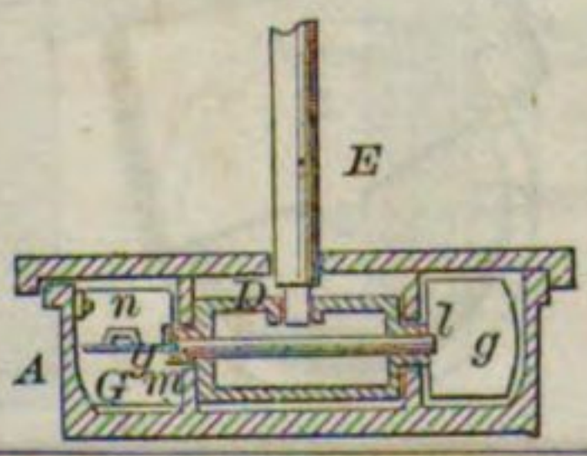


56626—M. B. Stafford—*Peat Machine.*

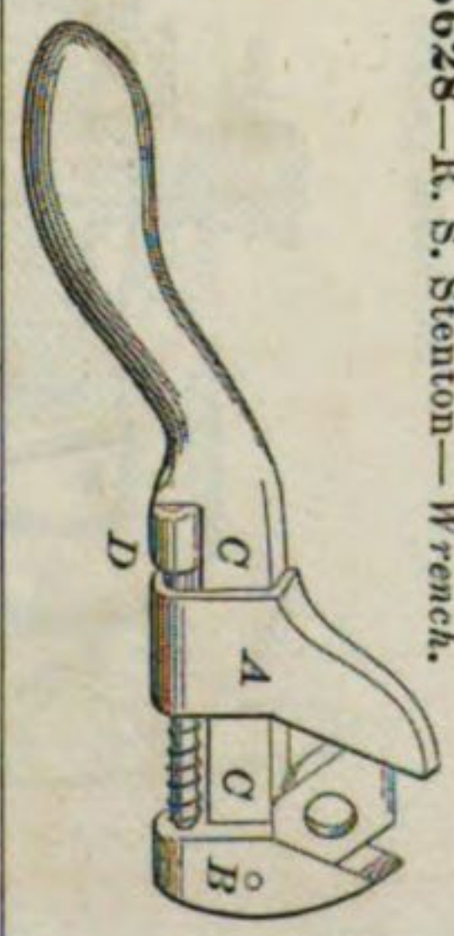


56627—J. A. Stansbury—*Pump.*

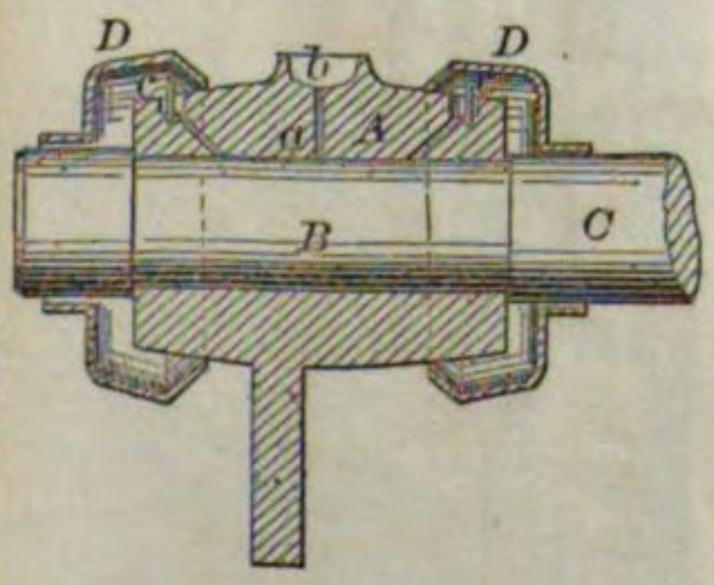




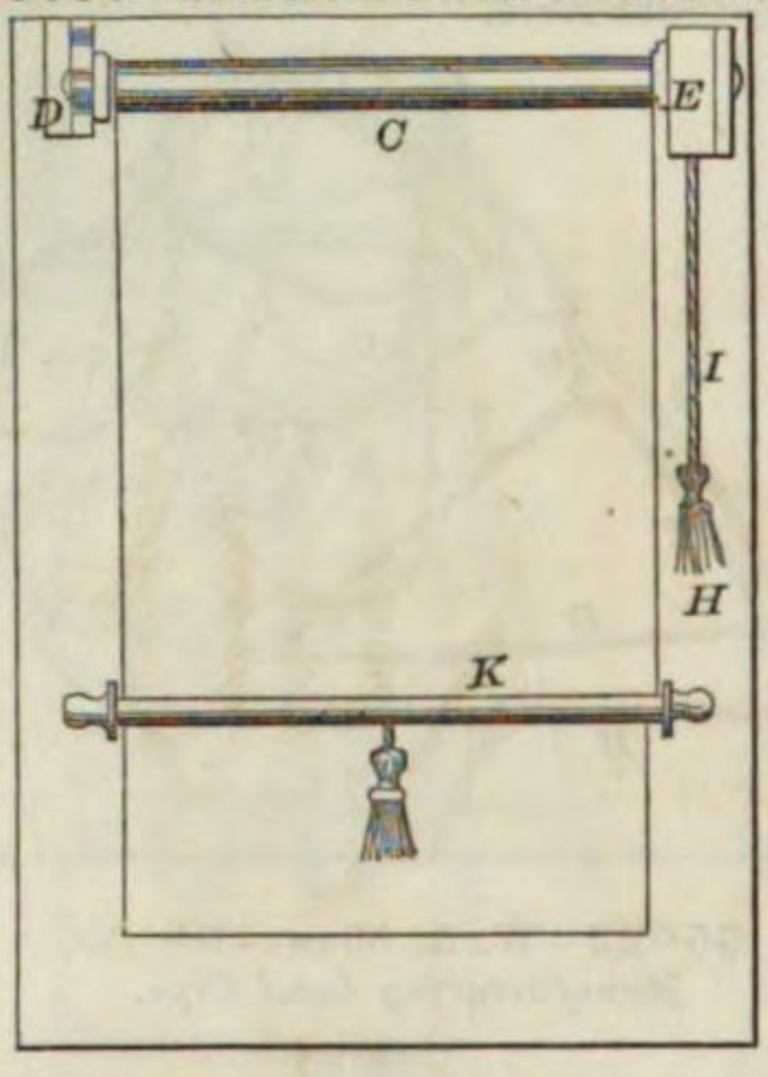
56628—R. S. Stenton—*Wrench.*

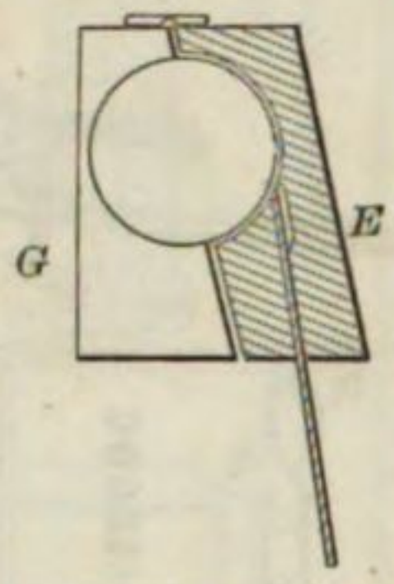


56624—A. R. Sherman—*Lubricating Journal Boxes.*

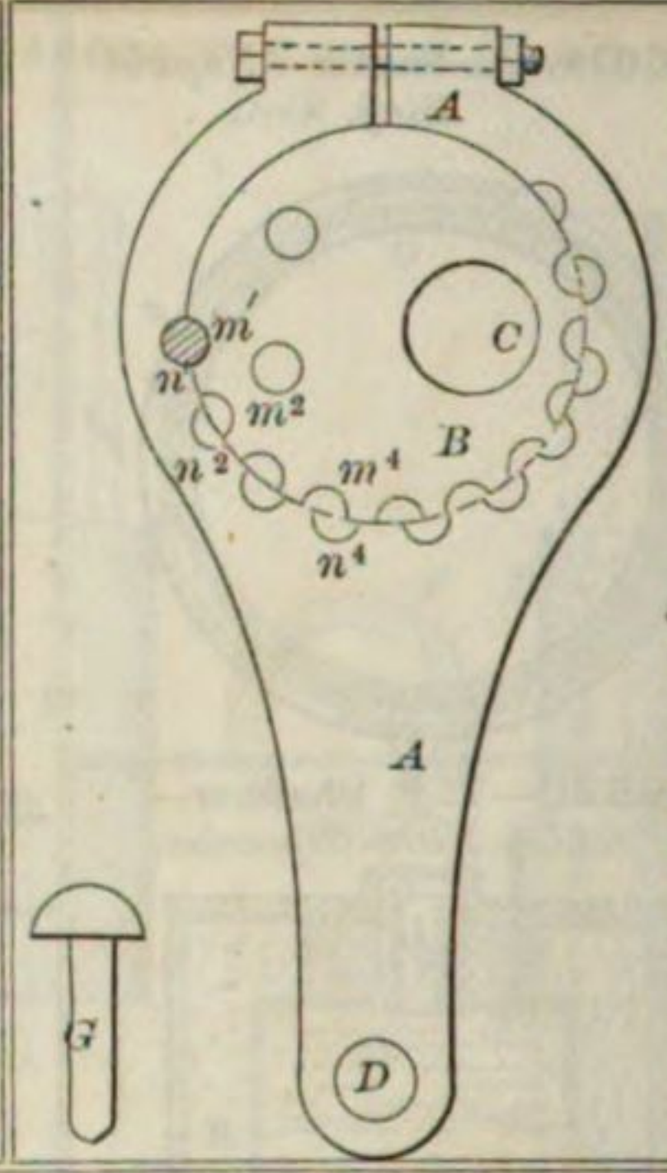


56630—Stewart & Pierce—*Curtain Fixture.*

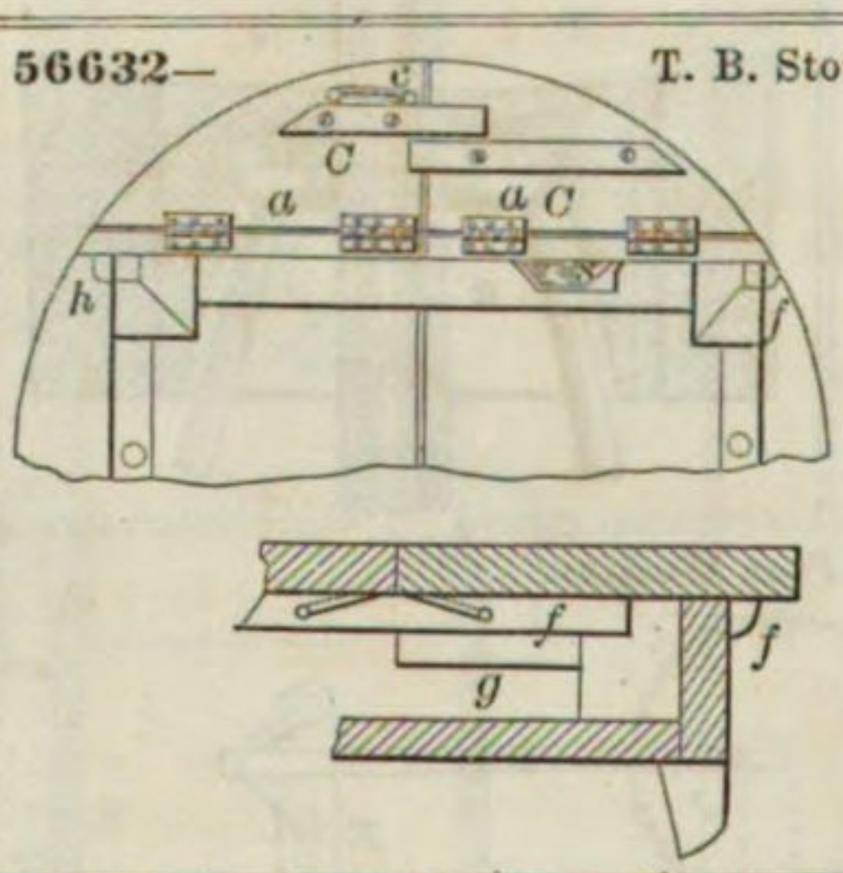


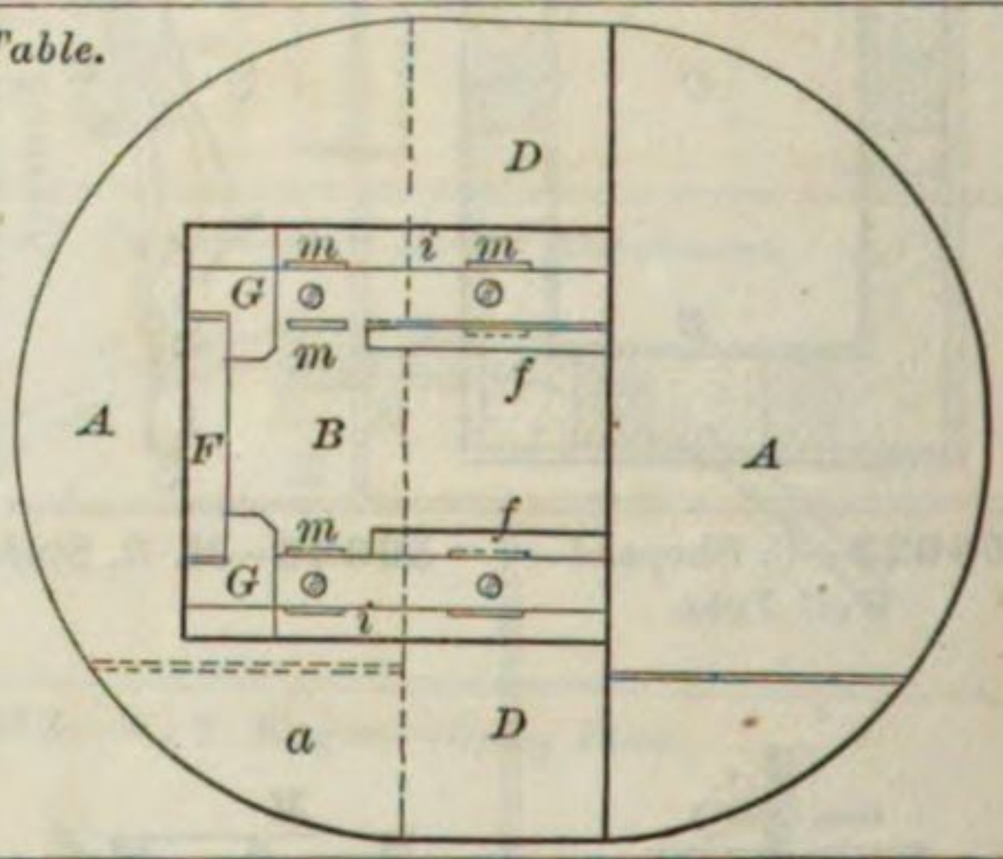


56631—N. C. Stiles—*Adjustable Pitman.*



56632— T. B. Stout—*Table.*





56634—L. Taylor—*Water Elevator.*

Fig. 1

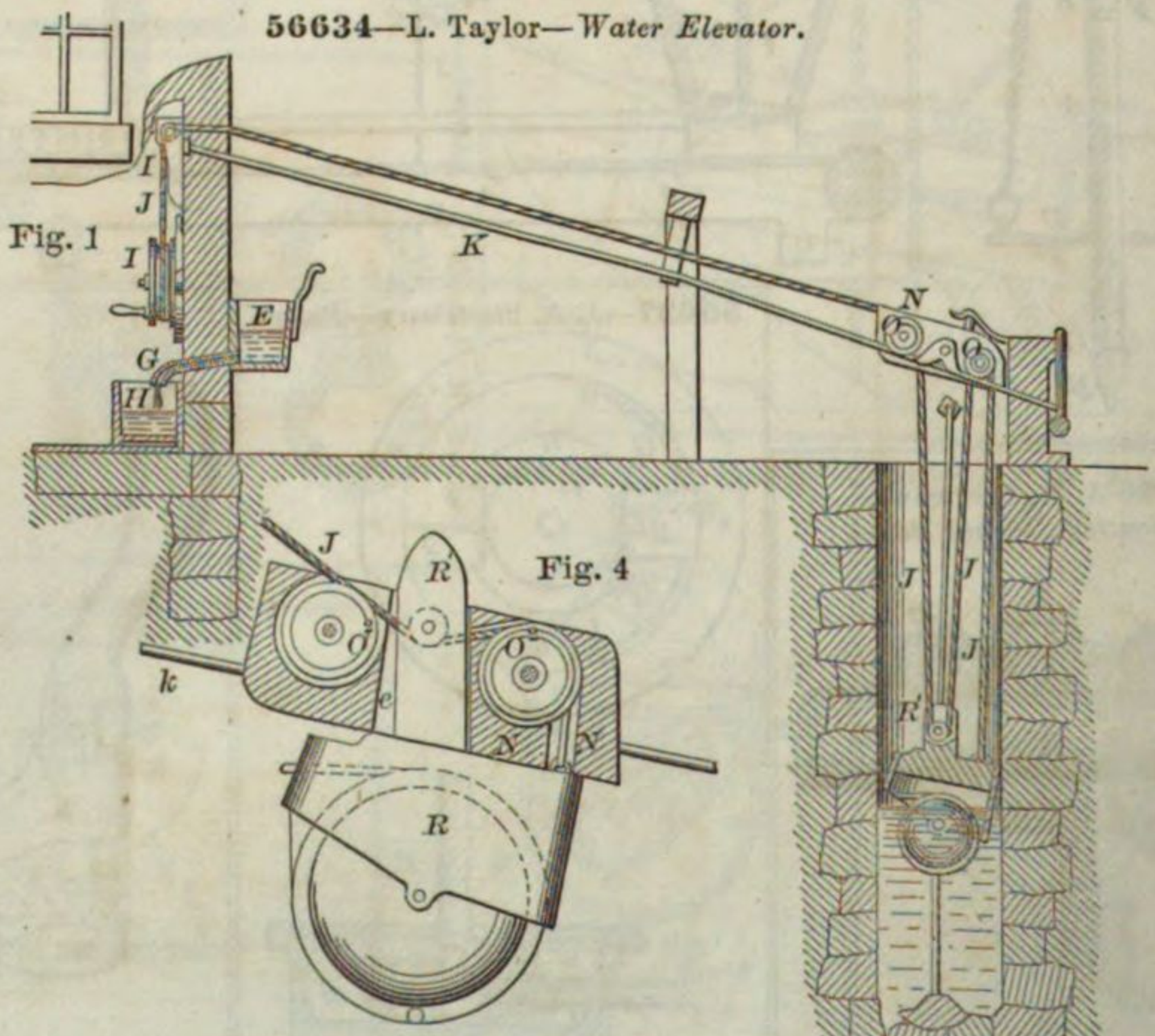
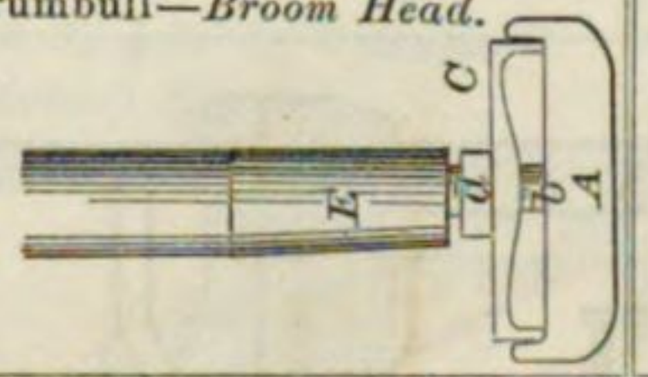
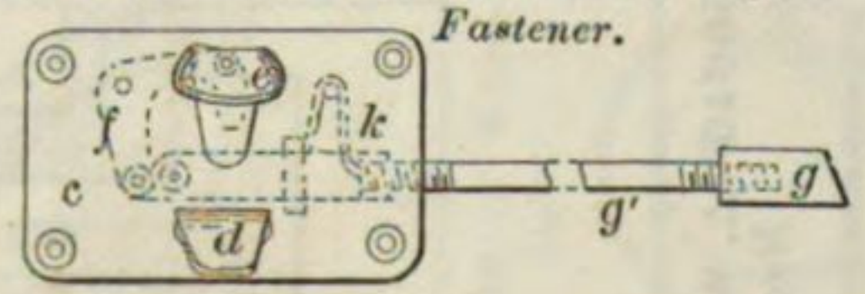


Fig. 4

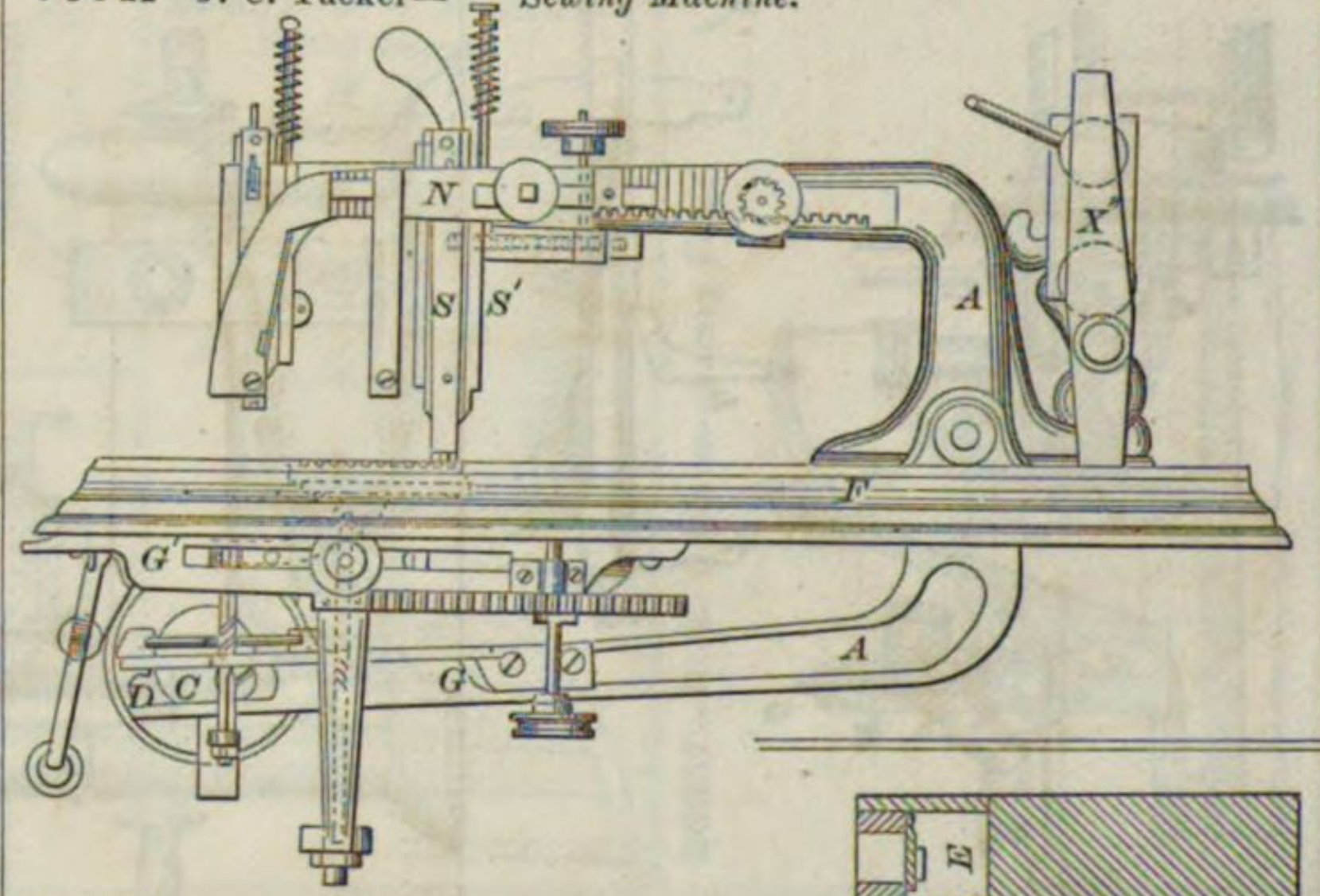
56640—H. Trumbull—*Broom Head.*



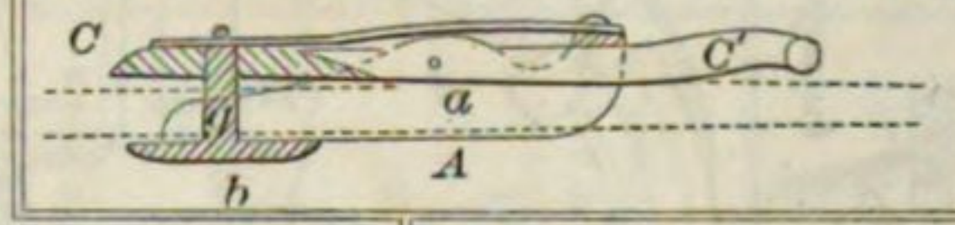
56642—Van Vleck & Nichols—*Sash Fastener.*



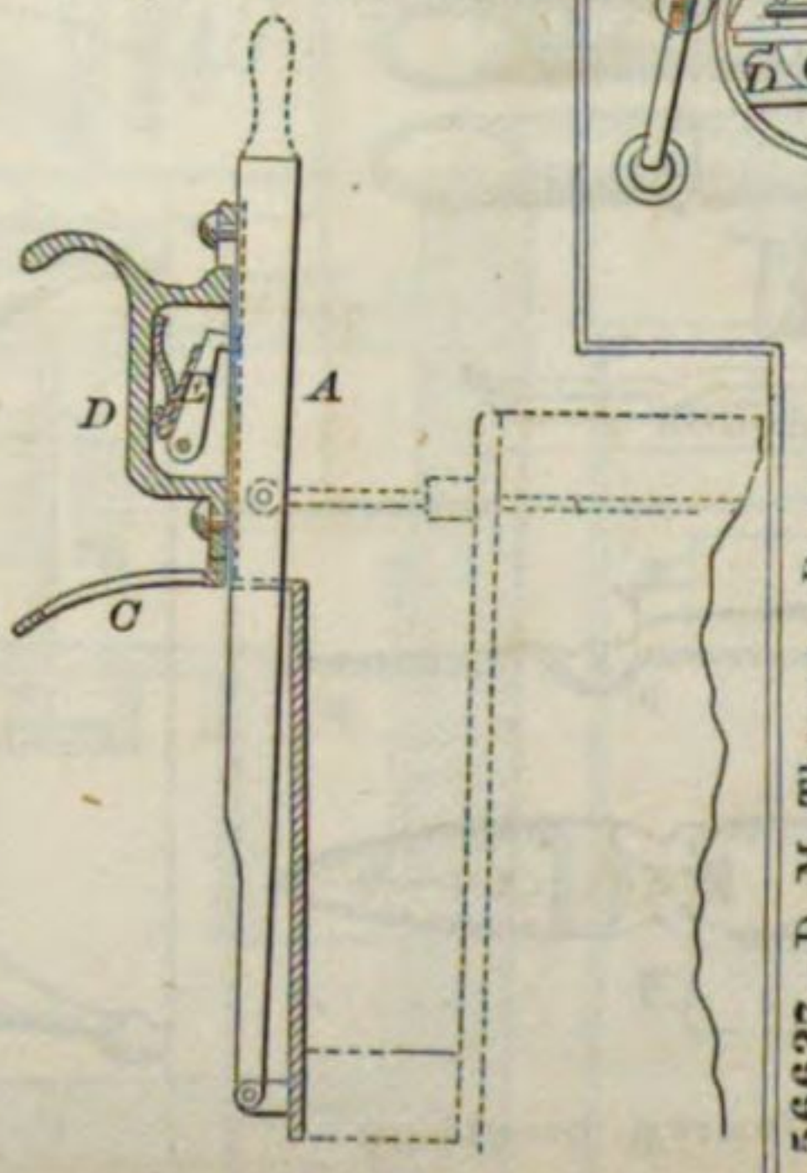
56641—J. C. Tucker—*Sewing Machine.*



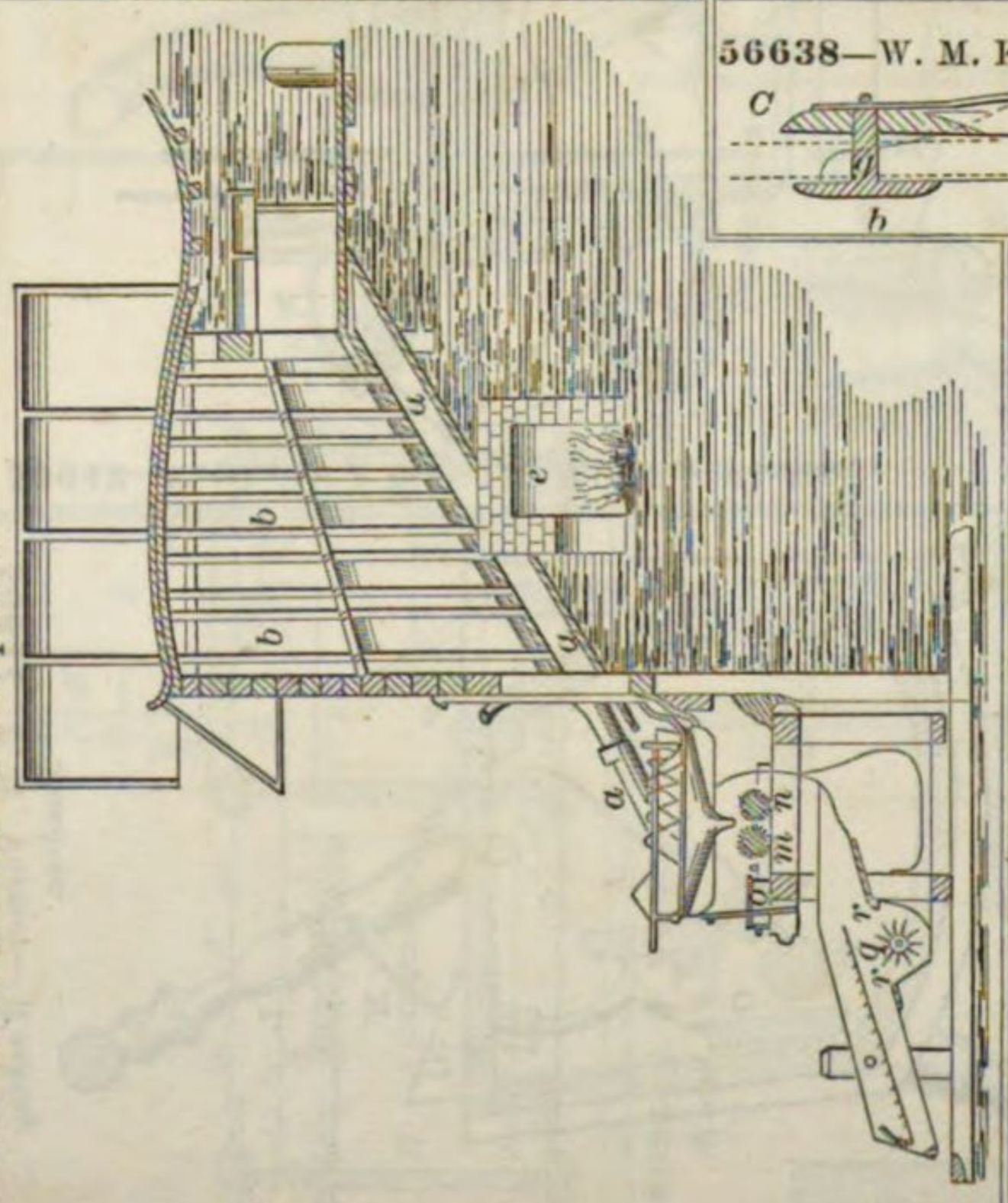
56638—W. M. K. Thornton—*Trace Buckle.*



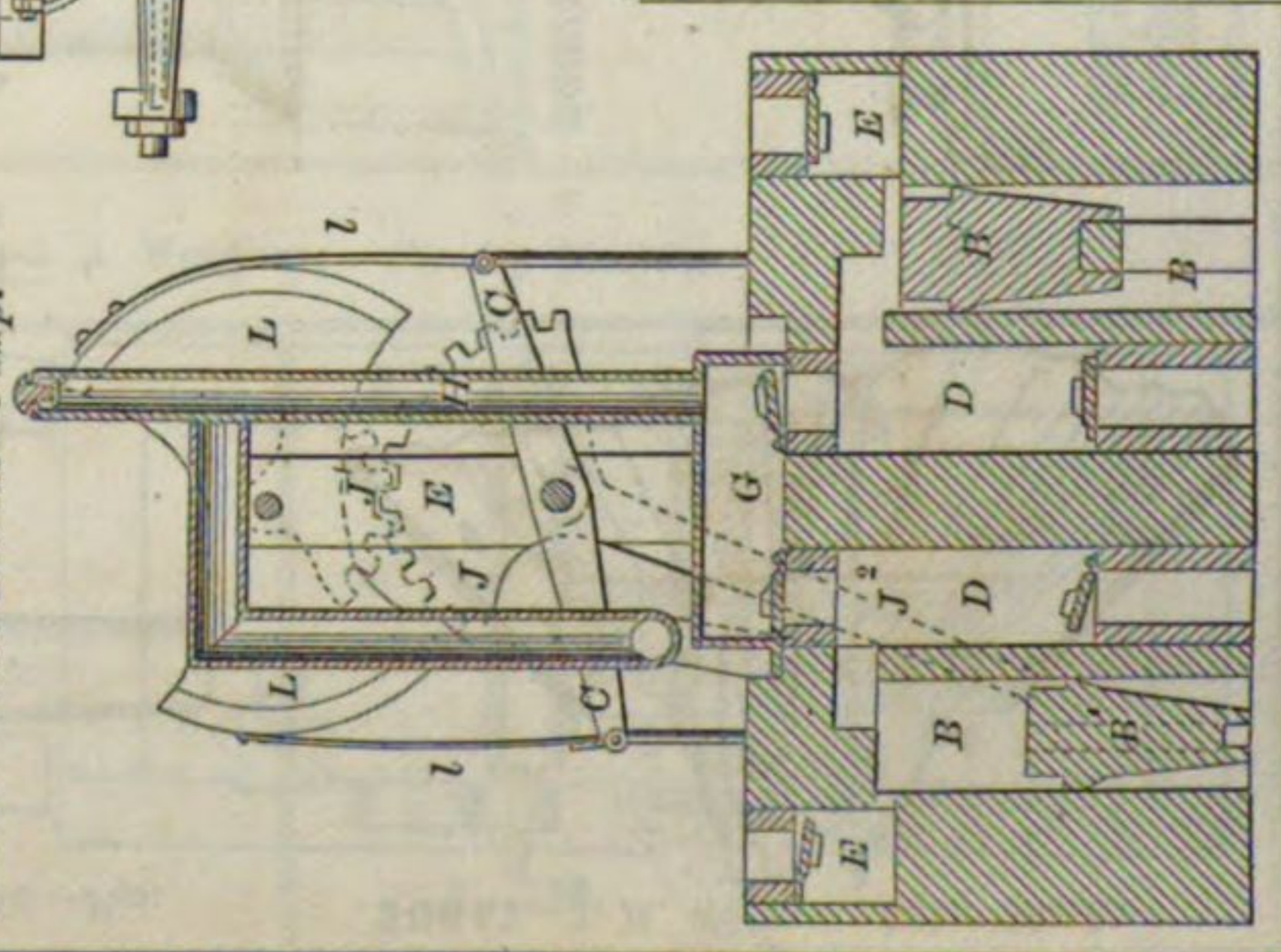
56639—C. C. Torrence—*Lock for Throttle Valves.*



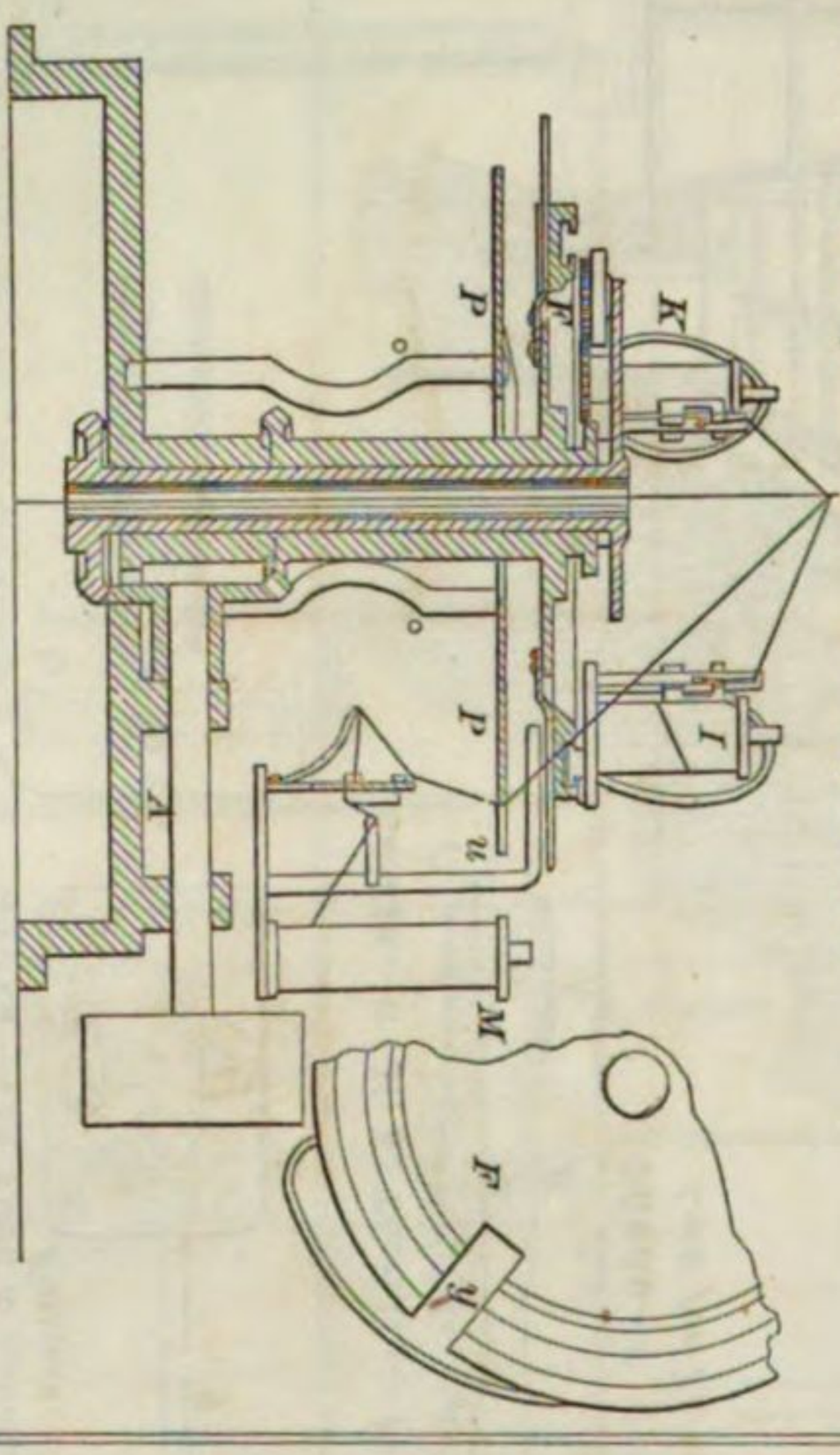
56636—C. F. Testman—*Gold Separator.*



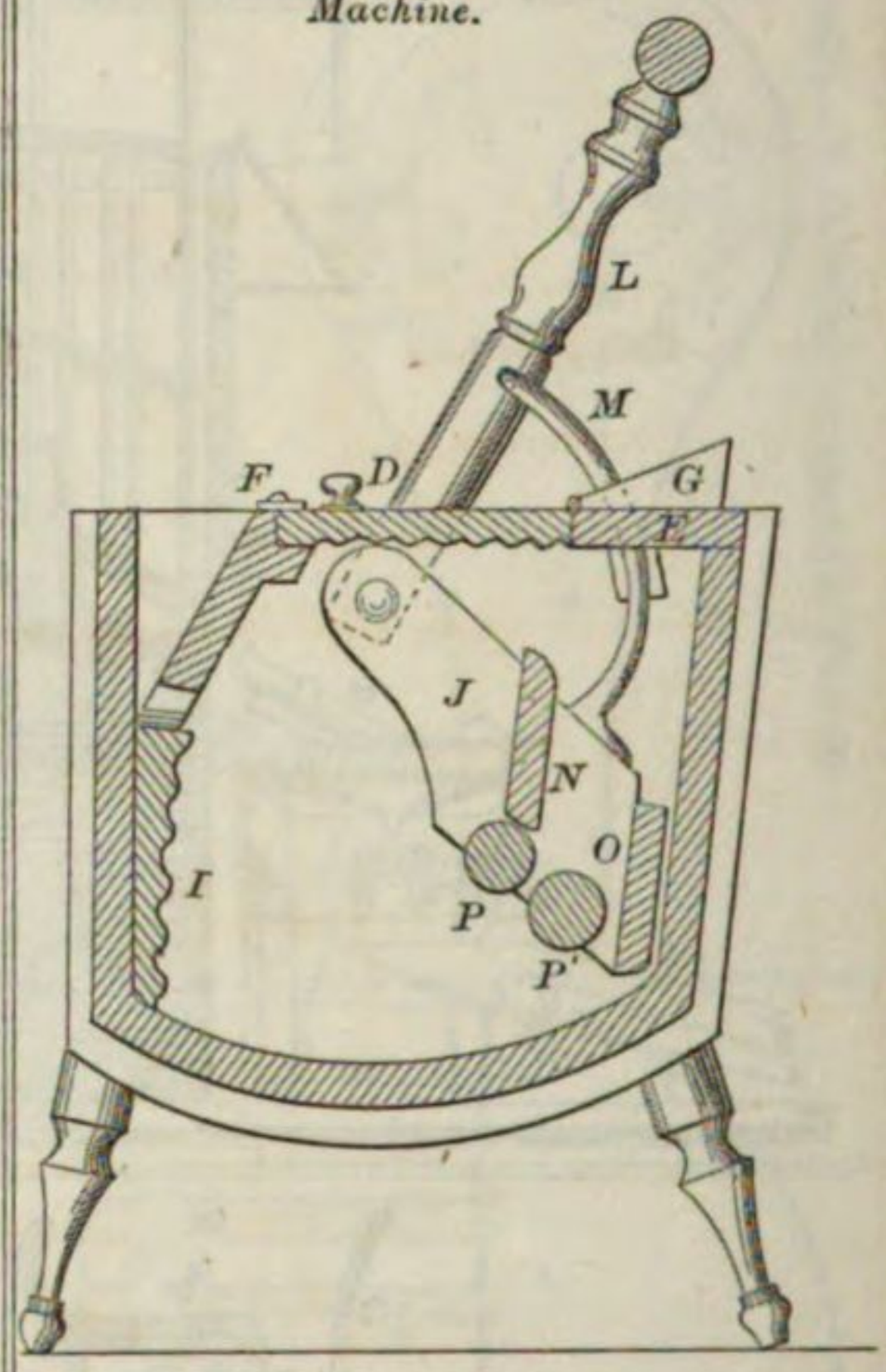
56637—D. M. Thomas—*Pump.*



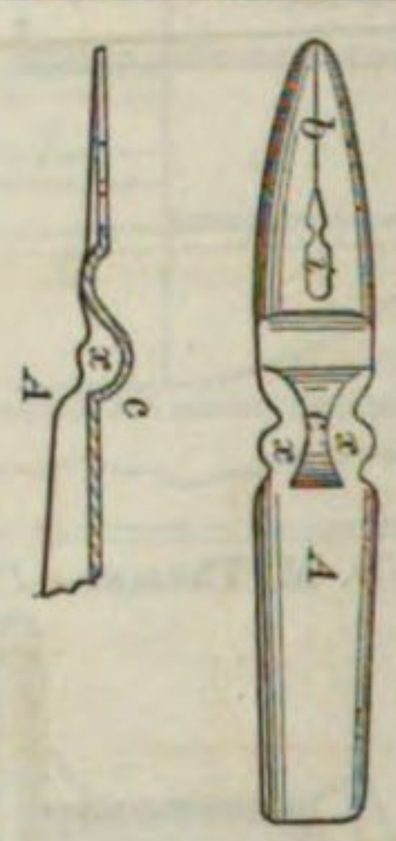
56643—Veerkamp & Leopold—*Braiding Machine.*



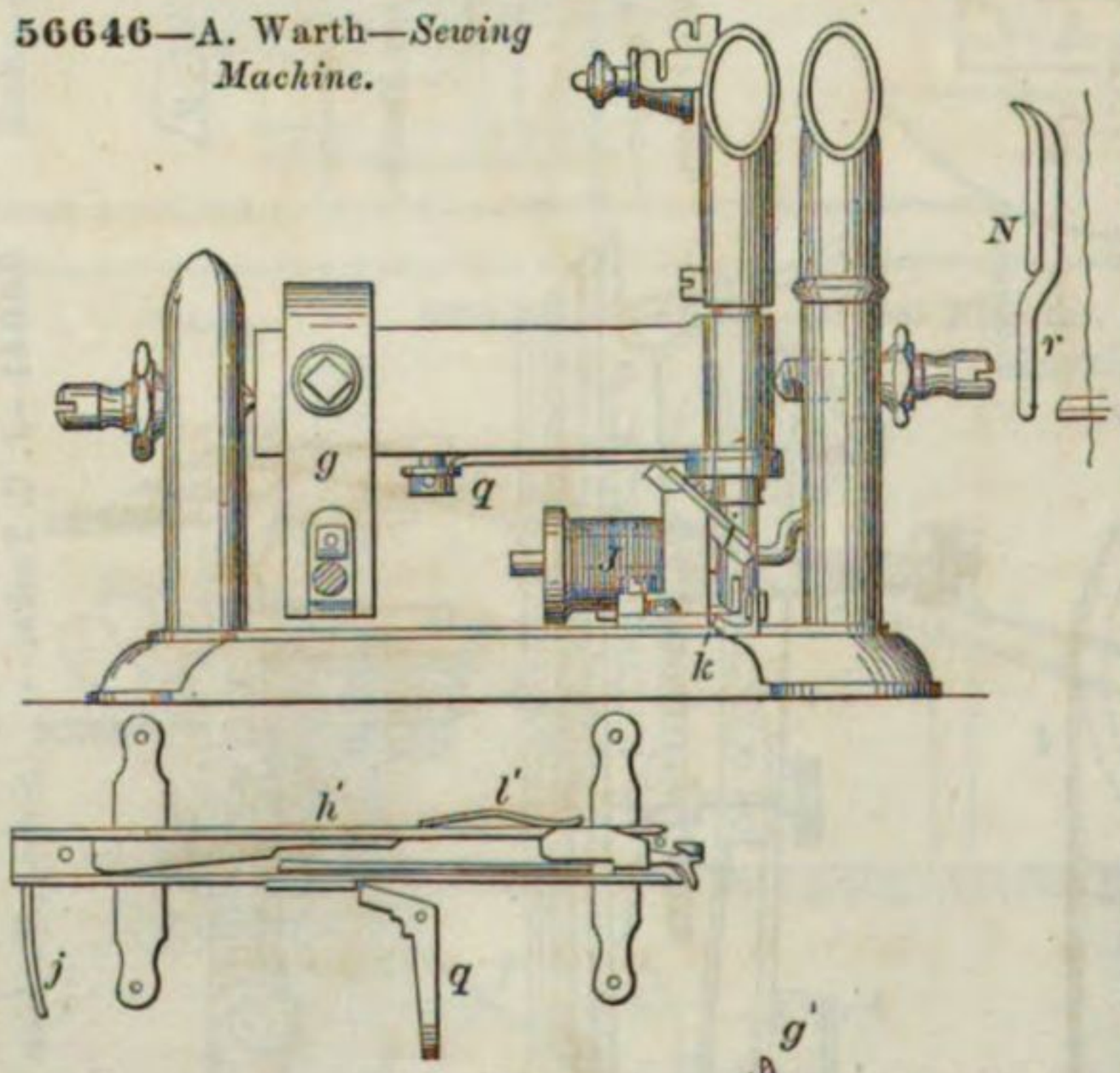
56644—F. W. Vosmer—*Washing Machine.*

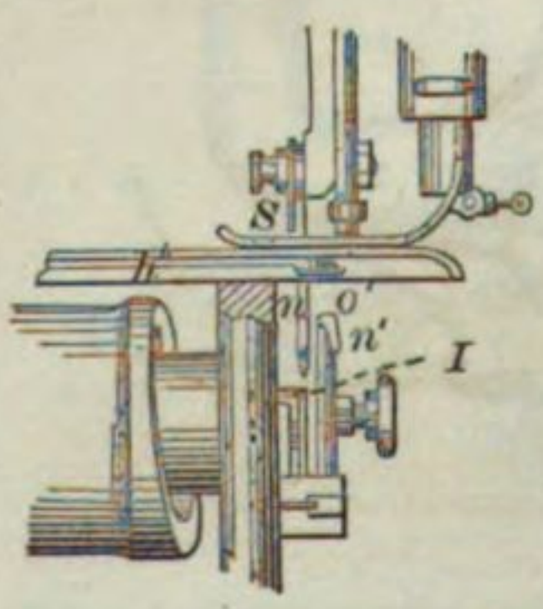


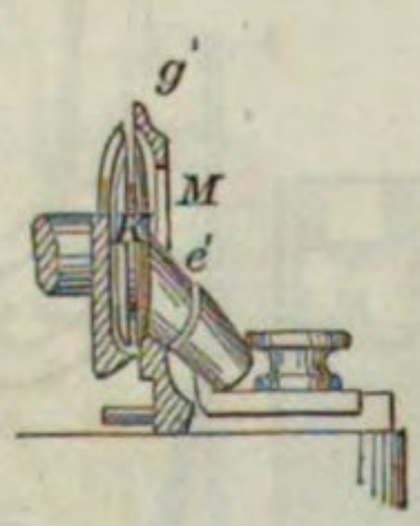
56645—S. Warrington—*Pen.*



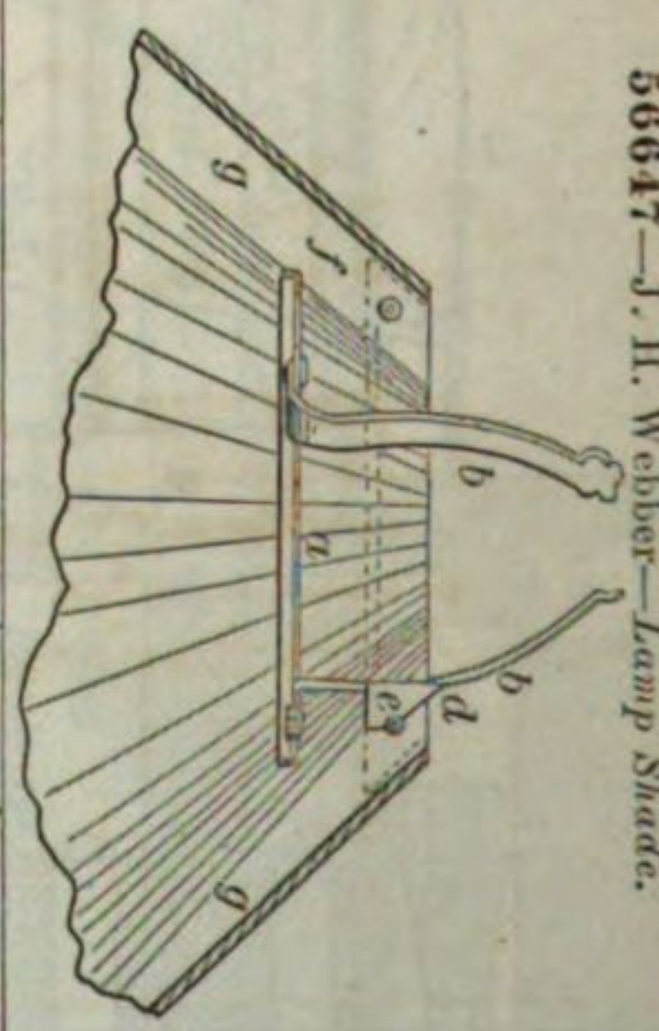
56646—A. Warth—*Sewing Machine.*



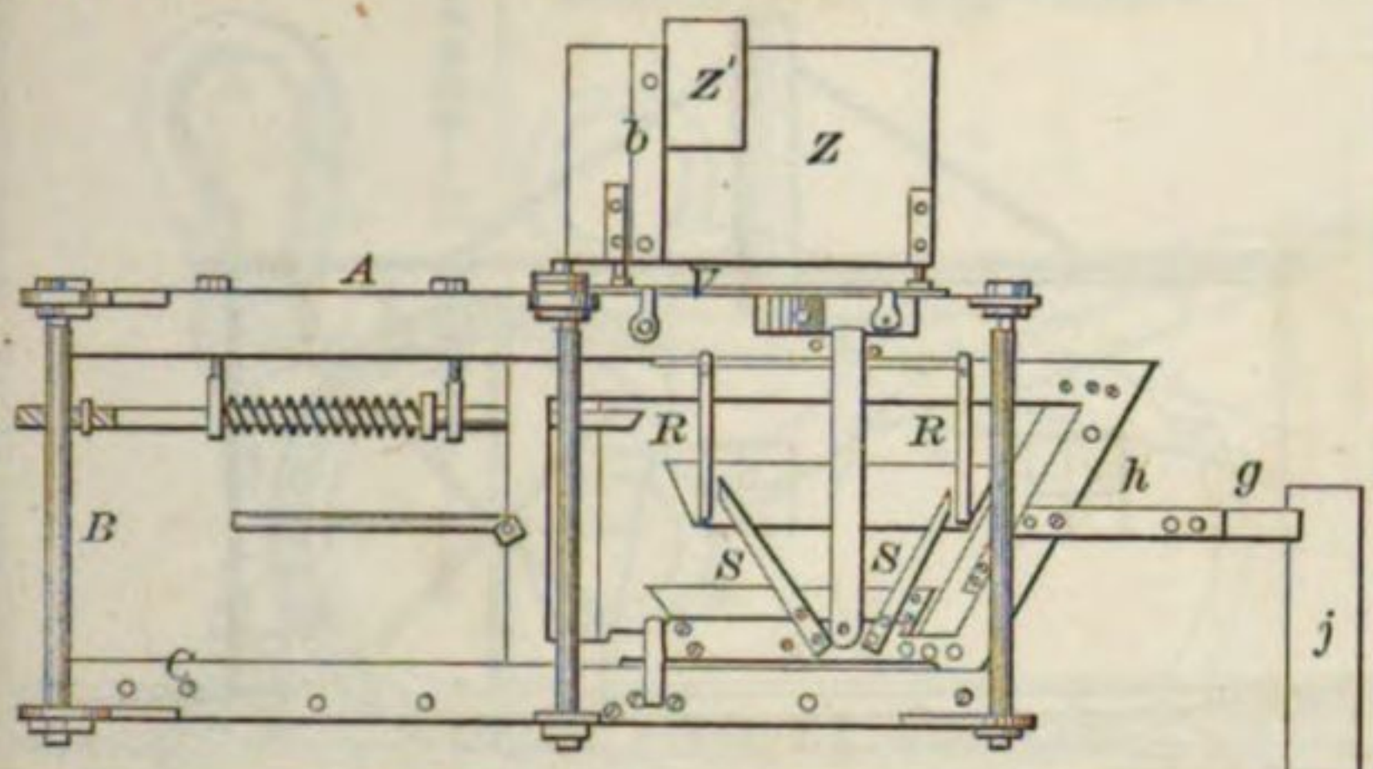




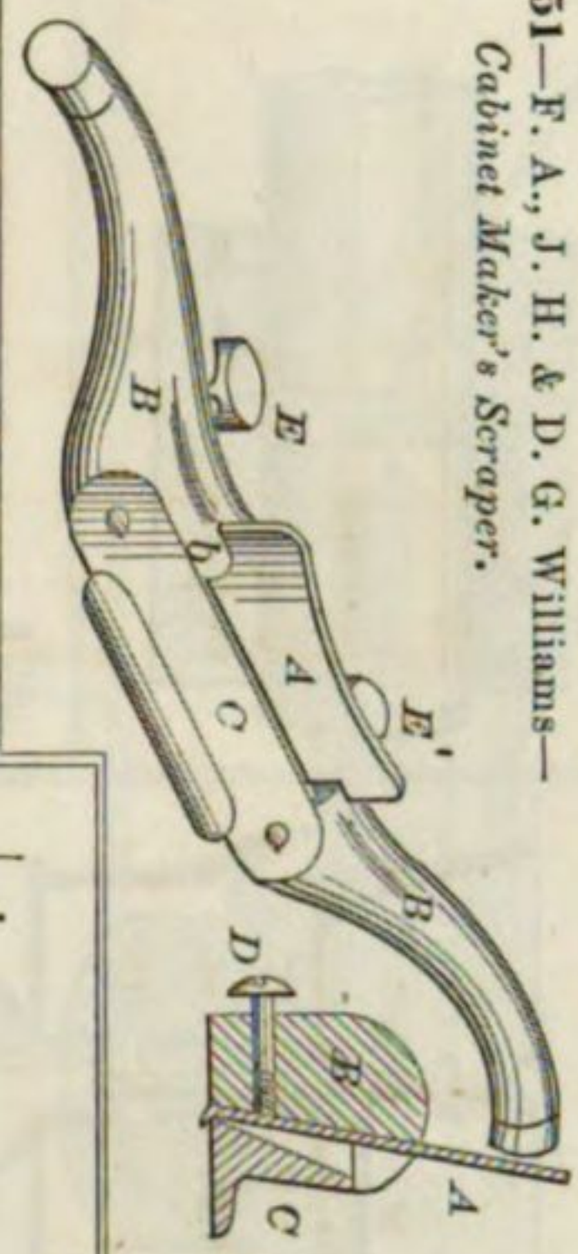
56647—J. H. Webber—*Lamp Shade.*



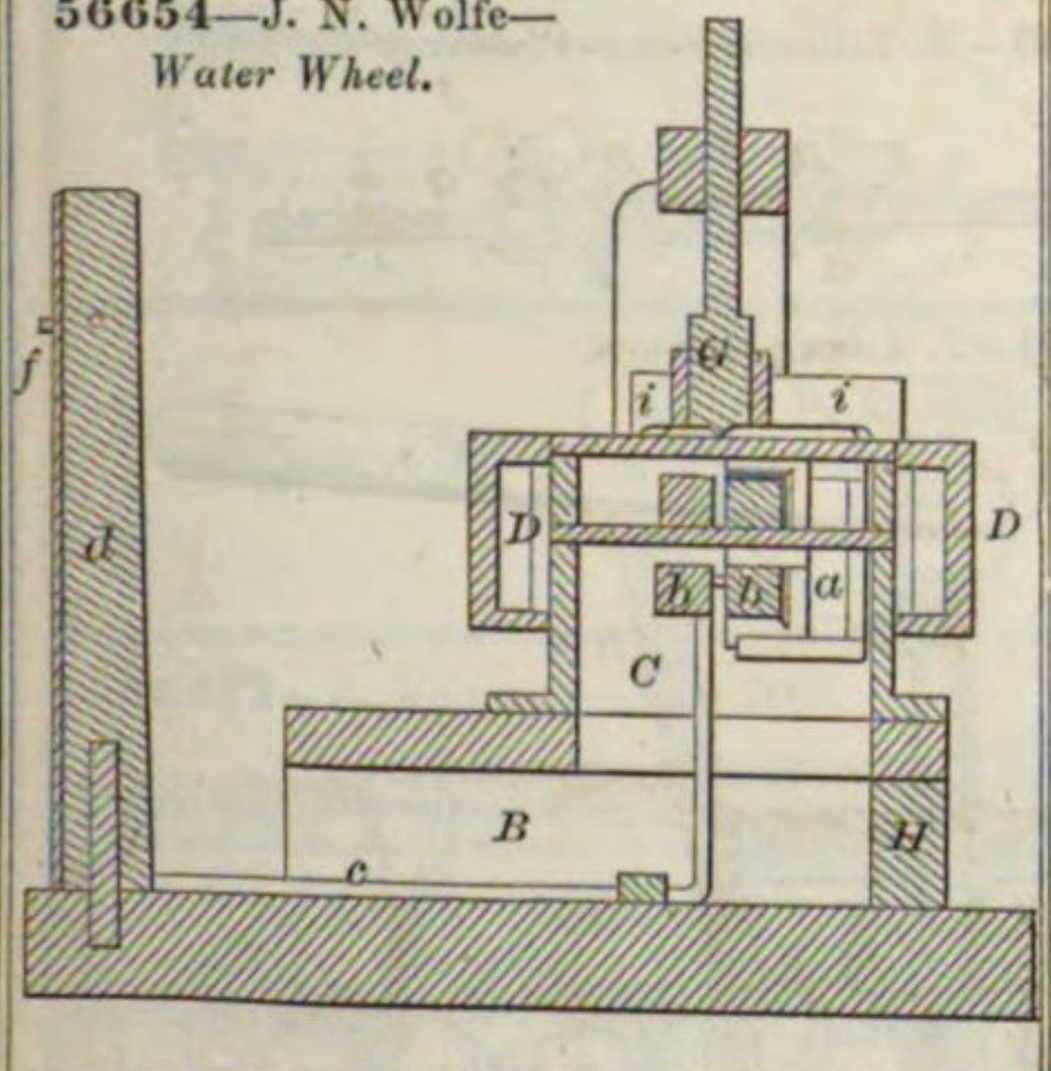
56648—H. White—*Shingle Machine.*



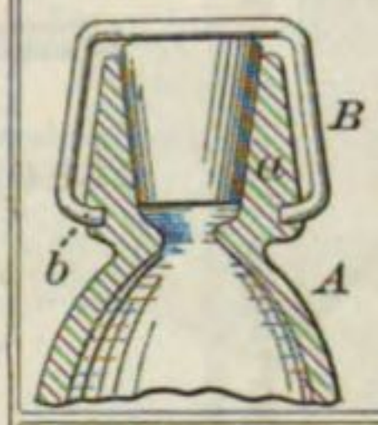
56651—F. A., J. H. & D. G. Williams—*Cabinet Maker's Scraper.*



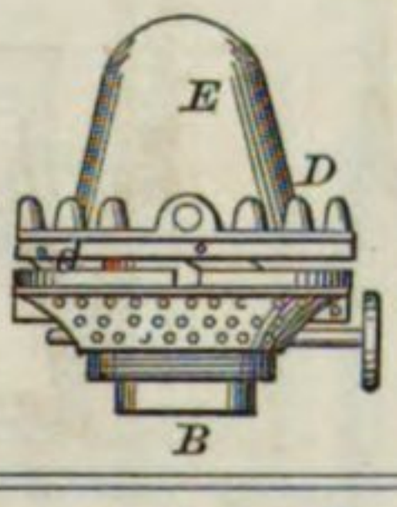
56654—J. N. Wolfe—*Water Wheel.*



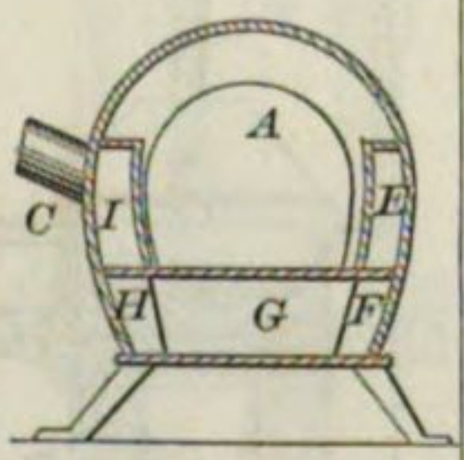
56653—H. & J. Wilson—*Bottle Fastening.*



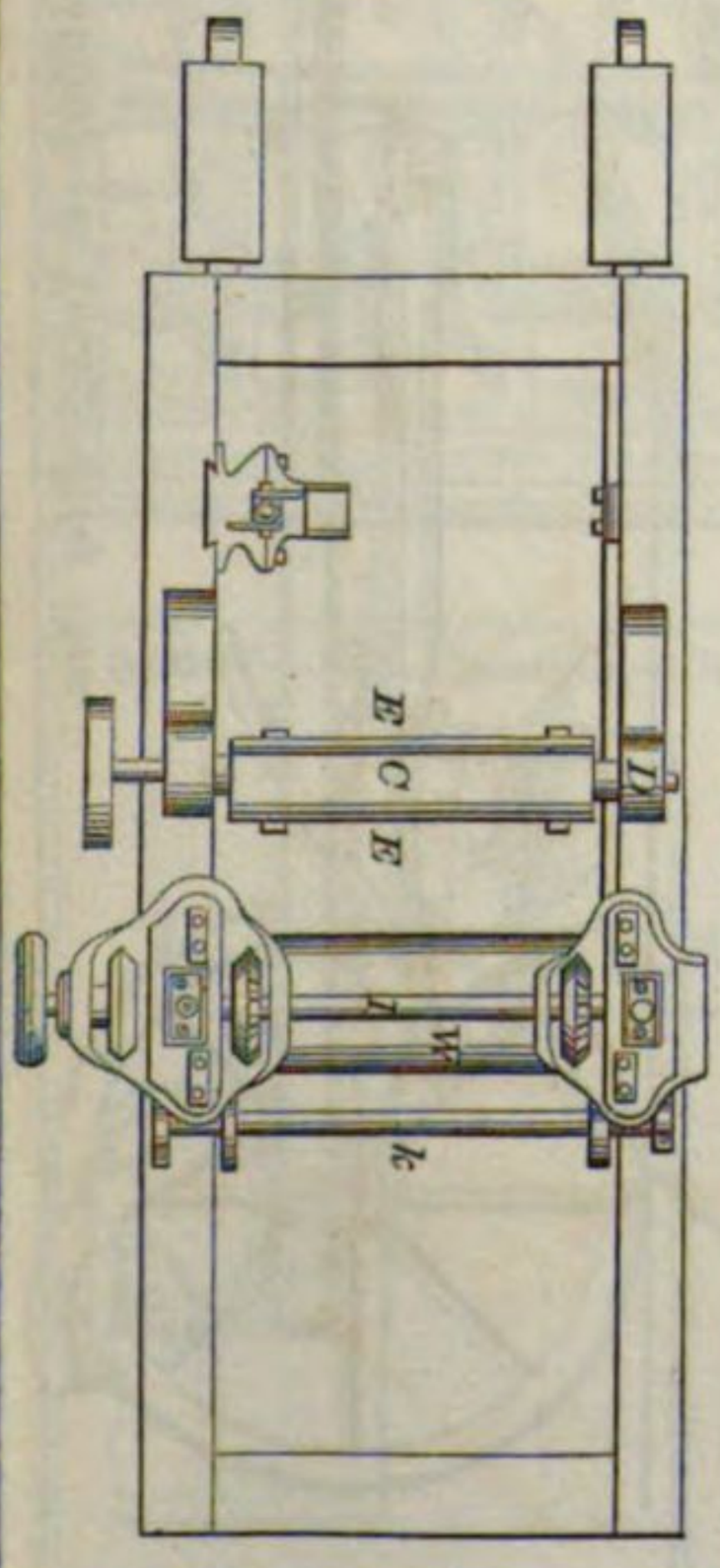
56655—T. Wood—*Coal Oil Burner.*



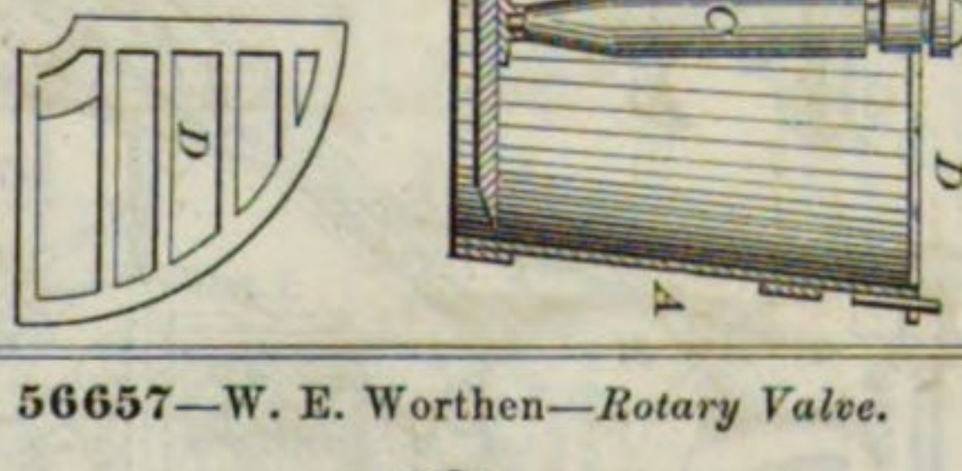
56649—T. White—*Stove.*



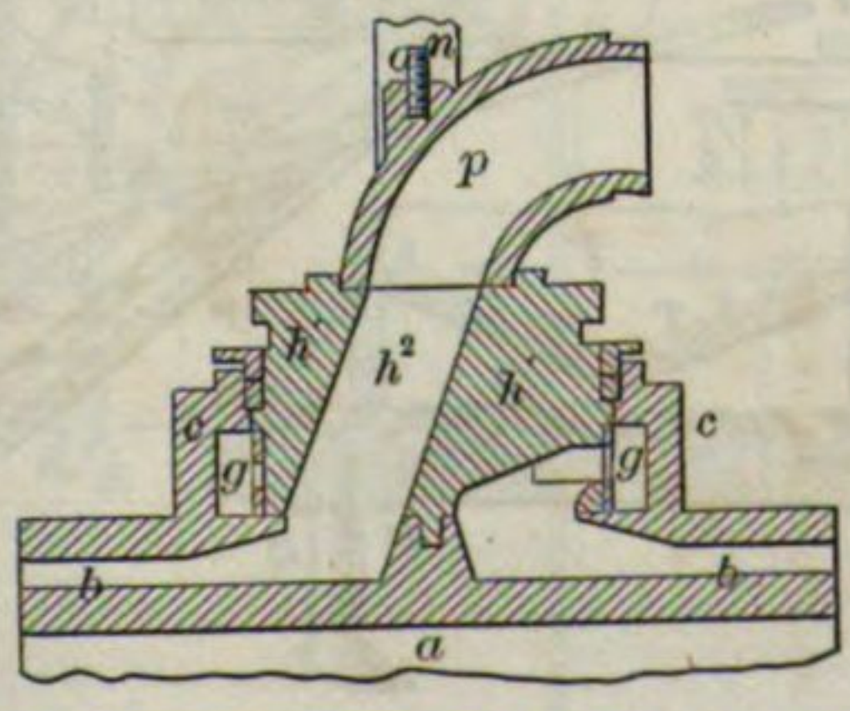
56656—J. A. Woodbury—*Planing Machine.*



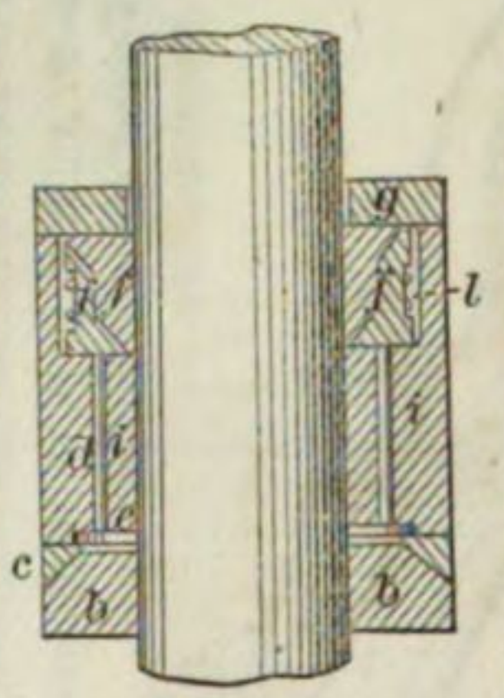
56652—J. H. Williams—*Potato Digger.*



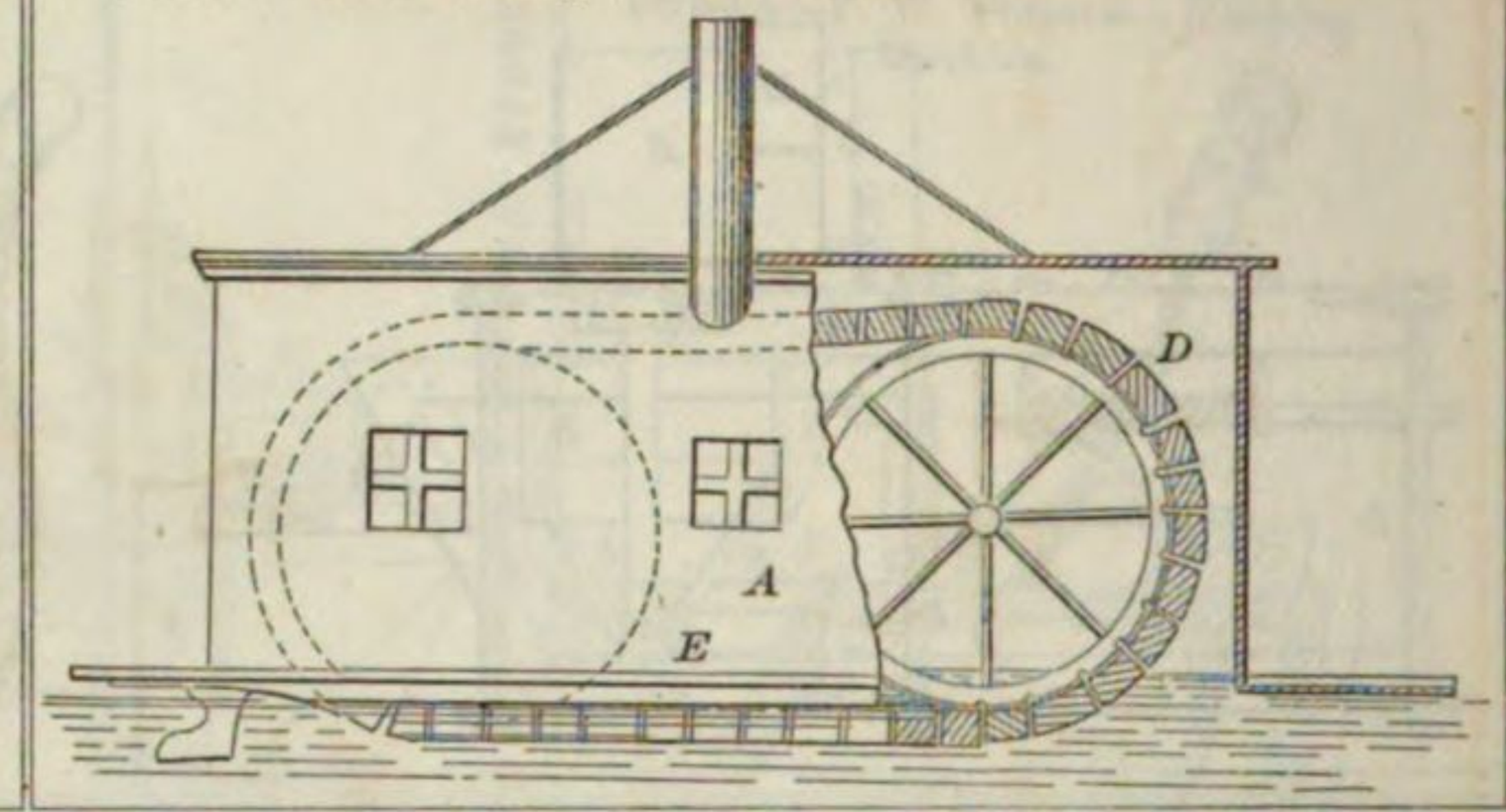
56657—W. E. Worthen—*Rotary Valve.*



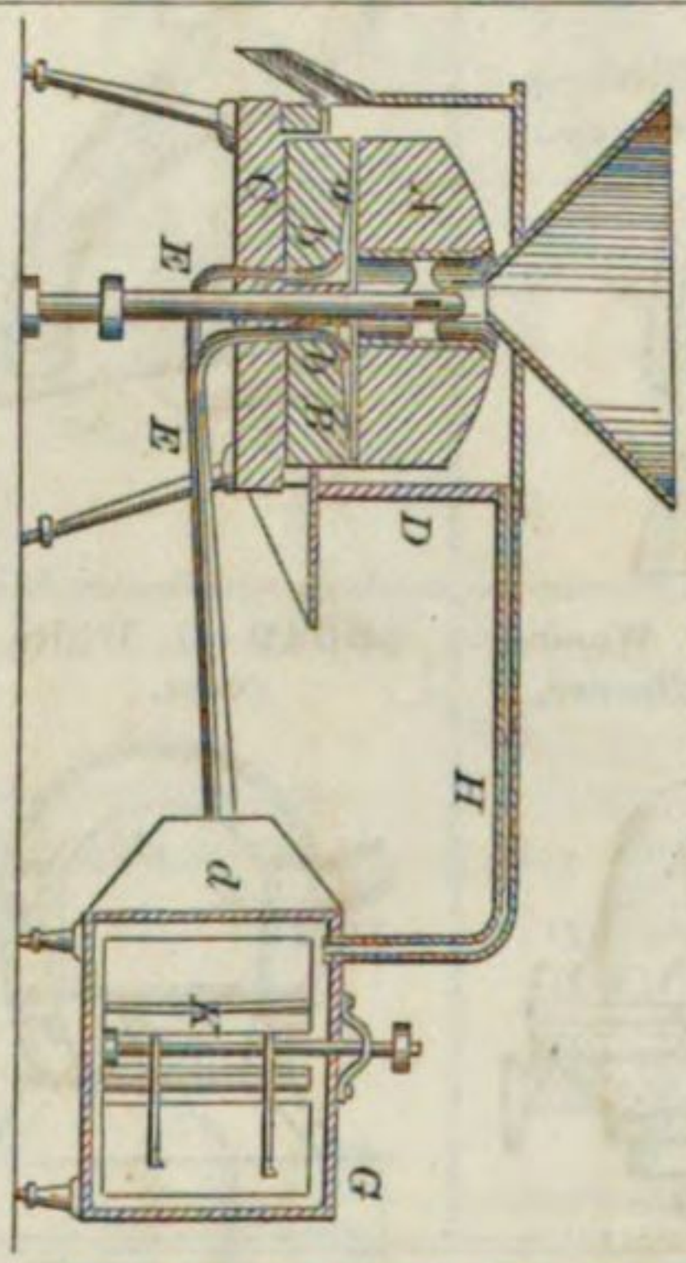
56658—F. Wright—*Piston Rod Packing.*



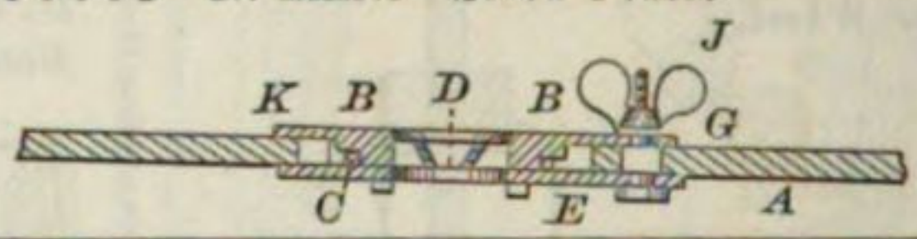
56660—G. H. Young—*Marine Car.*



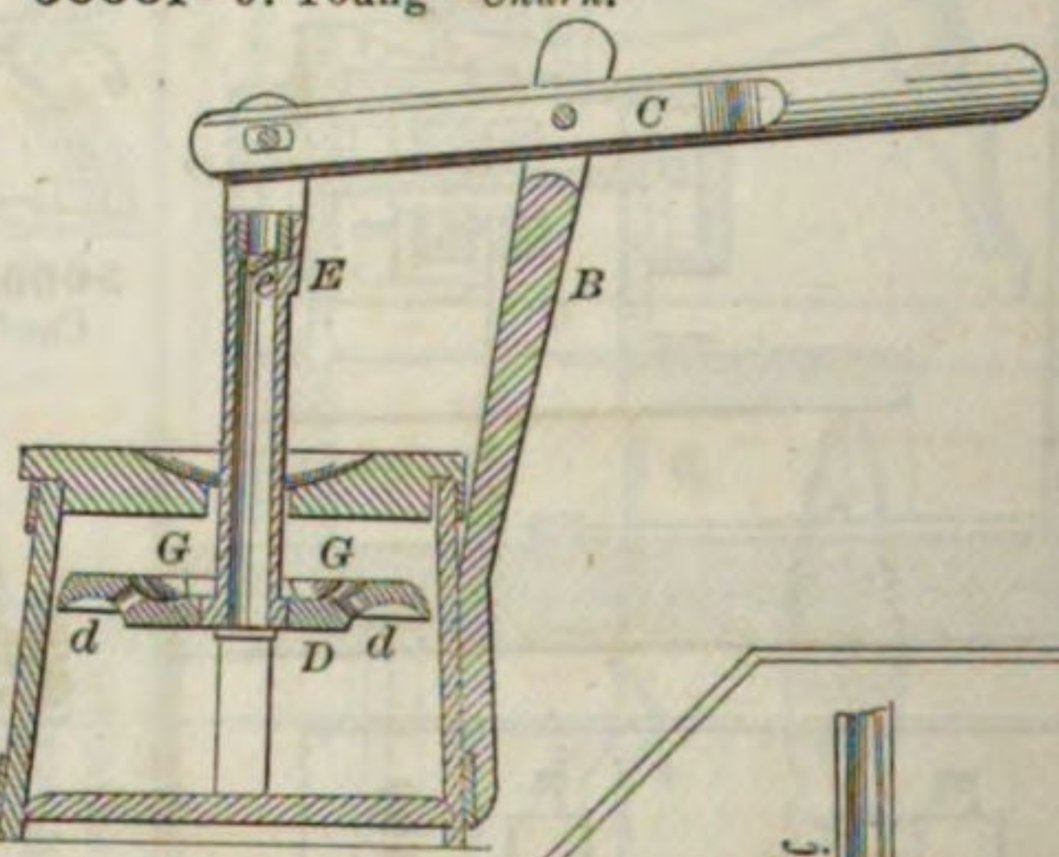
56659—Young & McLean—*Grinding Mill.*



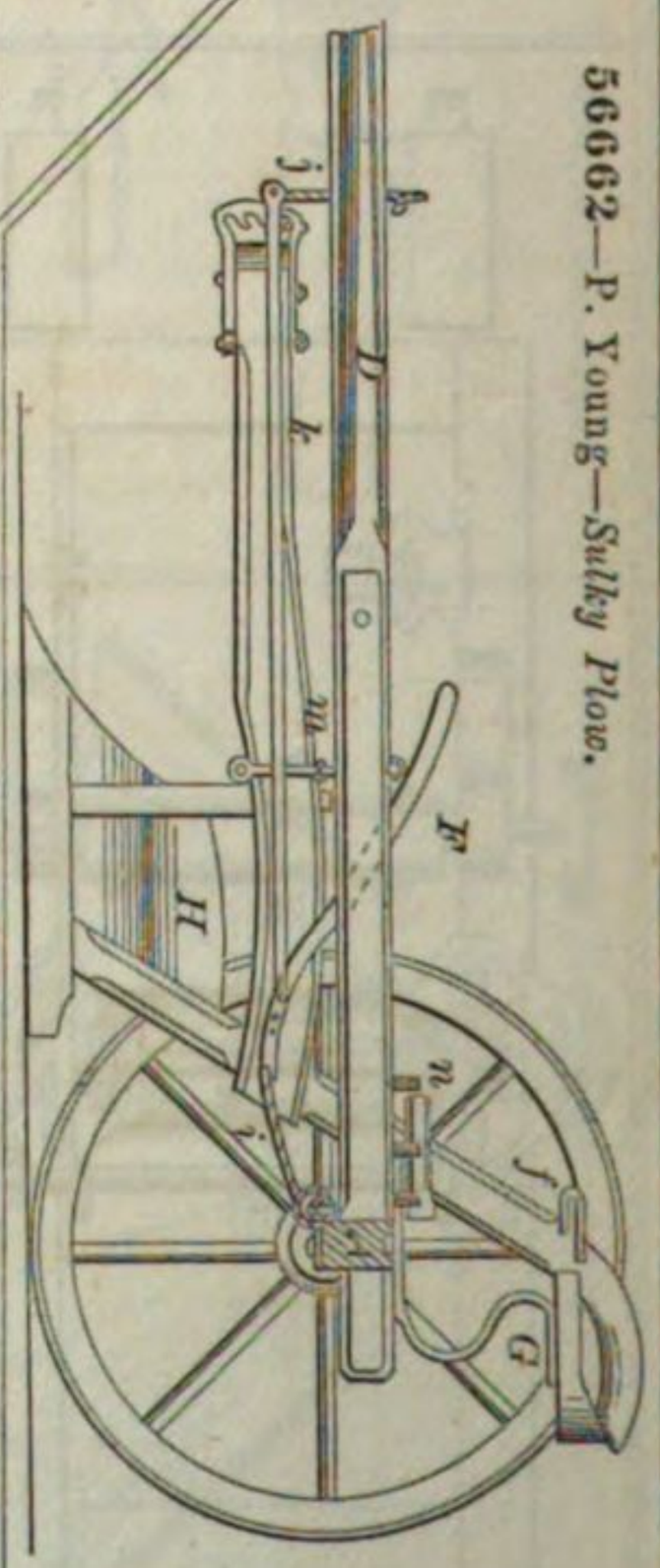
56663—N. Zillier—*Screw Plate.*



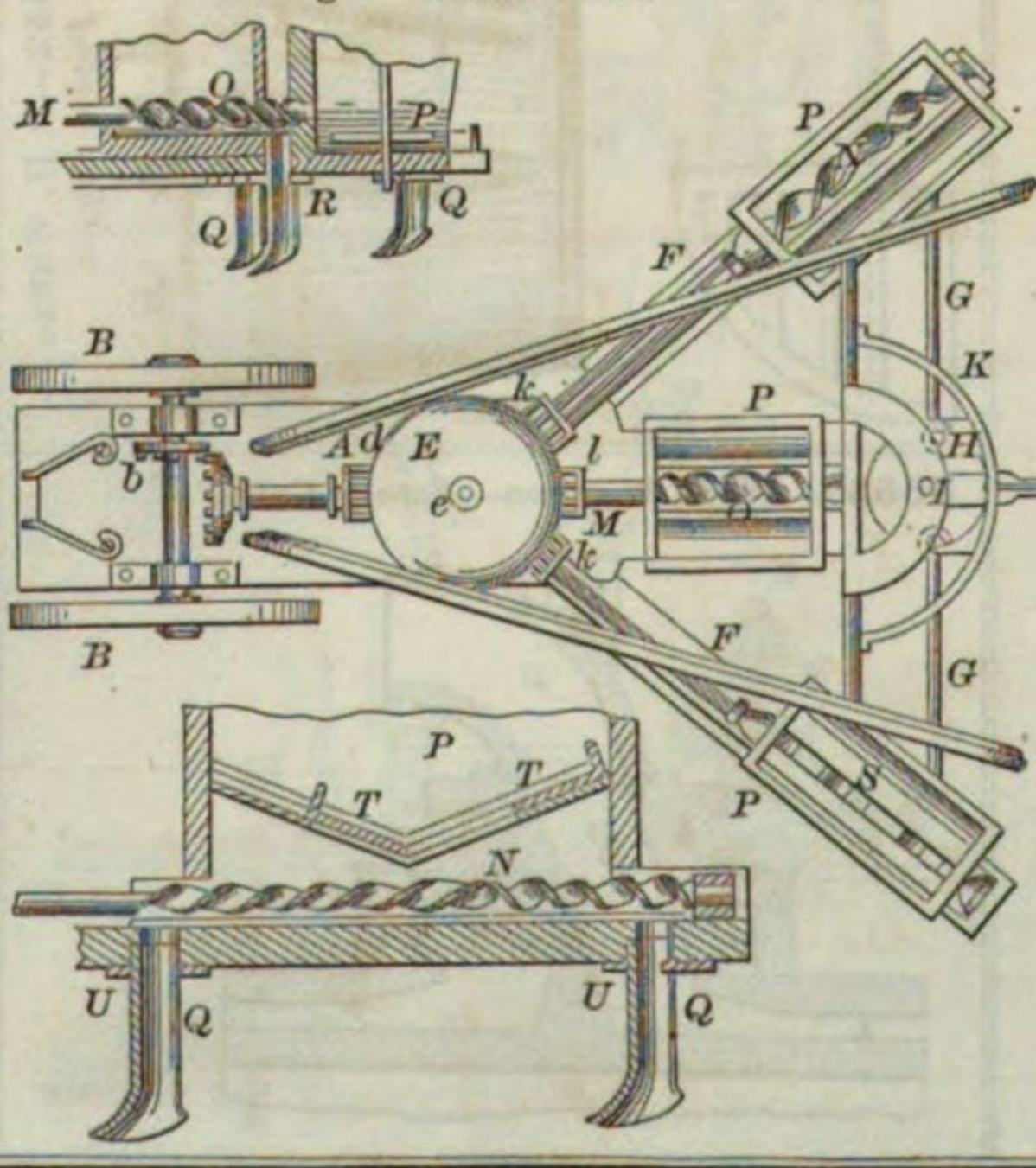
56661—J. Young—*Churn.*



56662—P. Young—*Sulky Plow.*

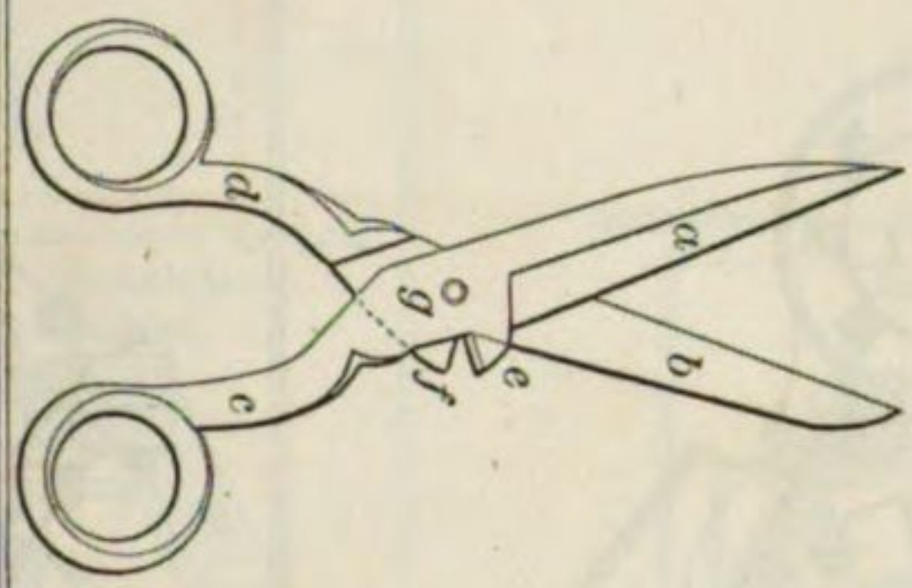


56664—G. Zorger—*Wheat Drill.*

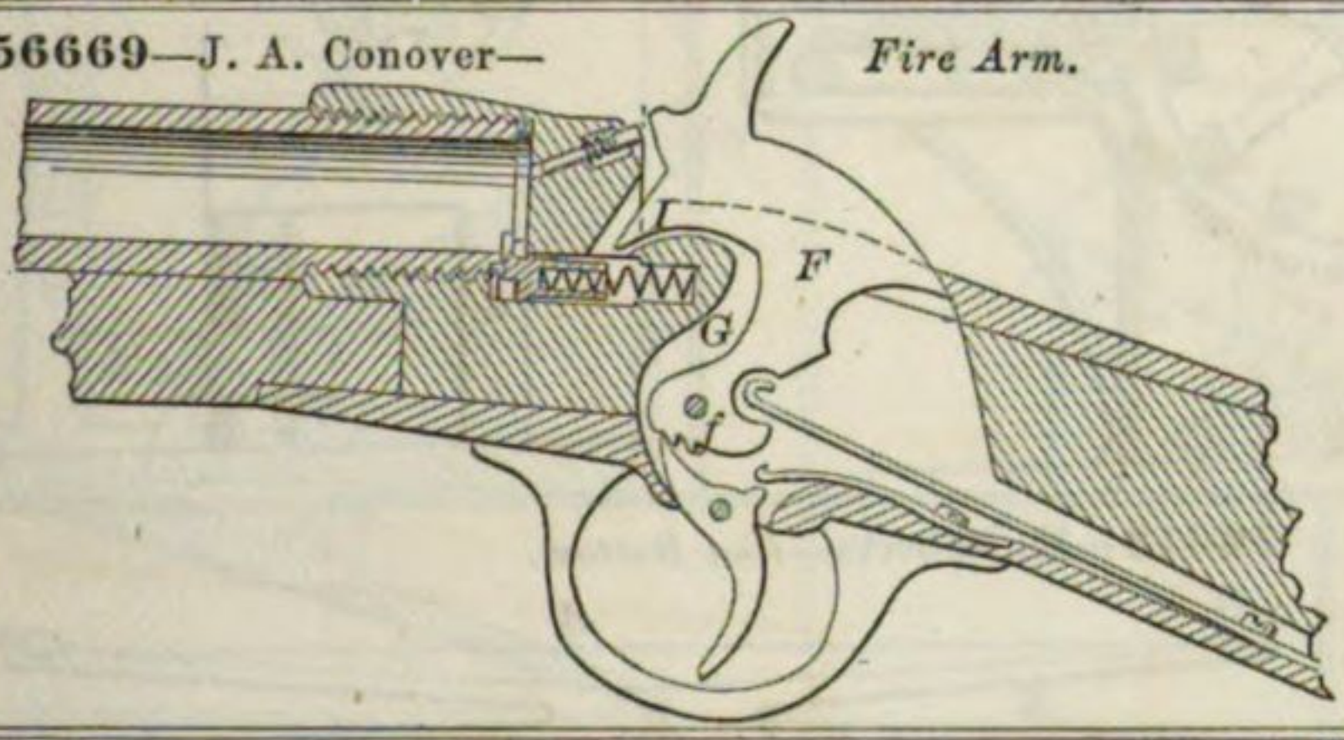


56666—H. Bradbury—*Snap Hook.*

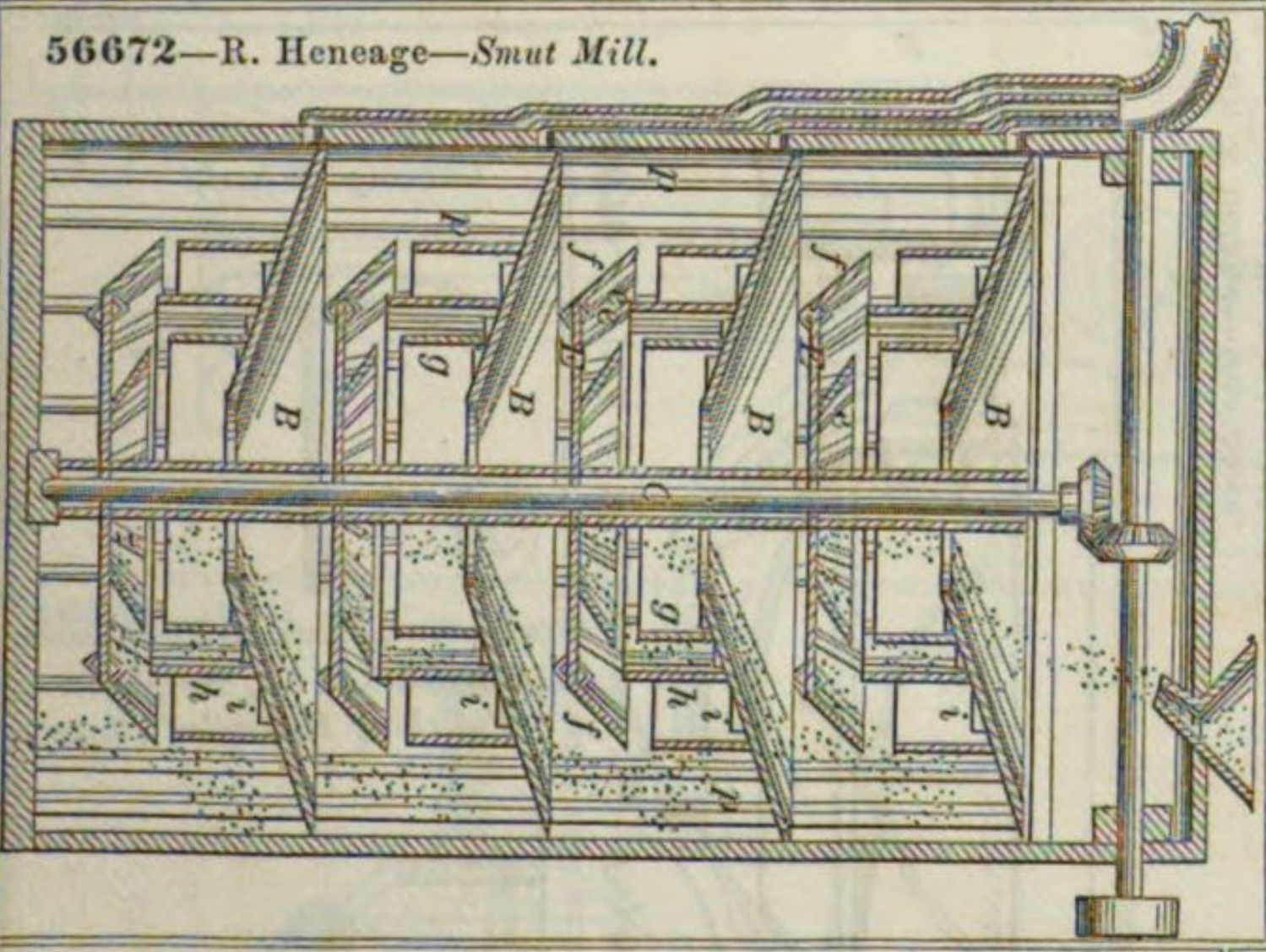
56668—P. C. Clapp—*Shears.*



56669—J. A. Conover—*Fire Arm.*

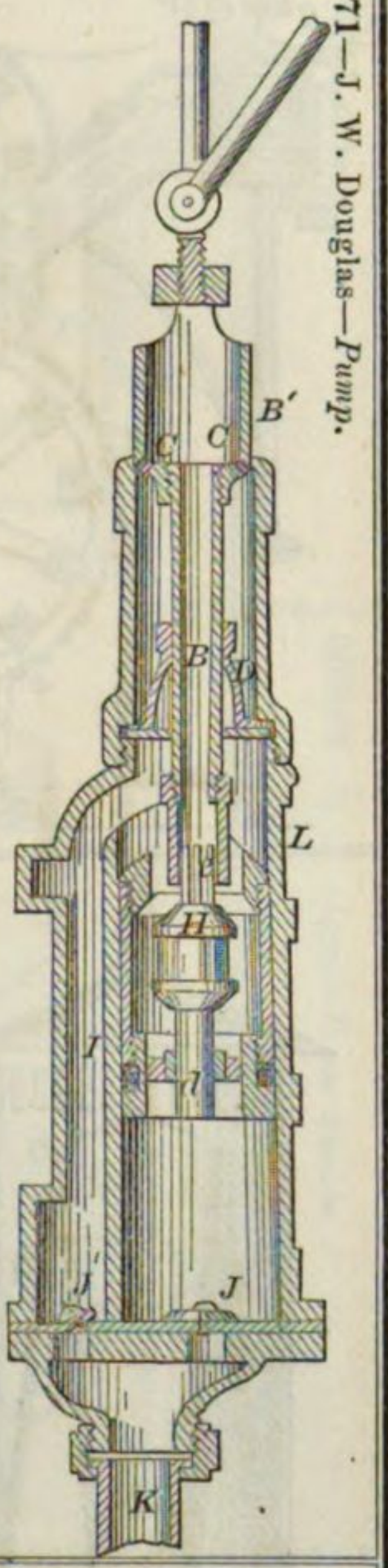


56672—R. Heneage—*Smut Mill.*

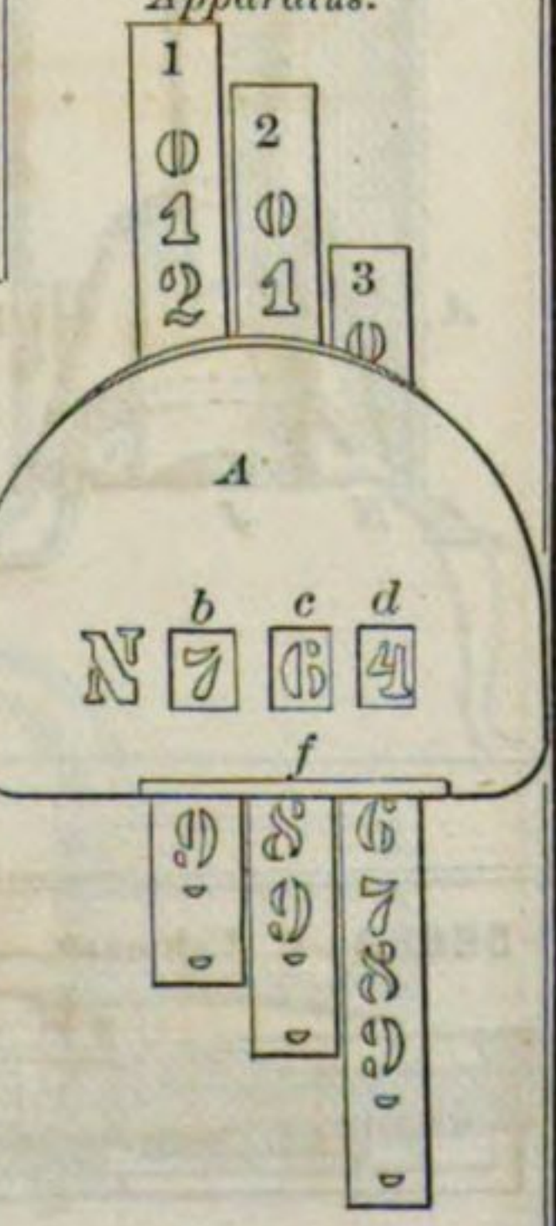


56667—J. F. Champlin—*Corn Planter.*

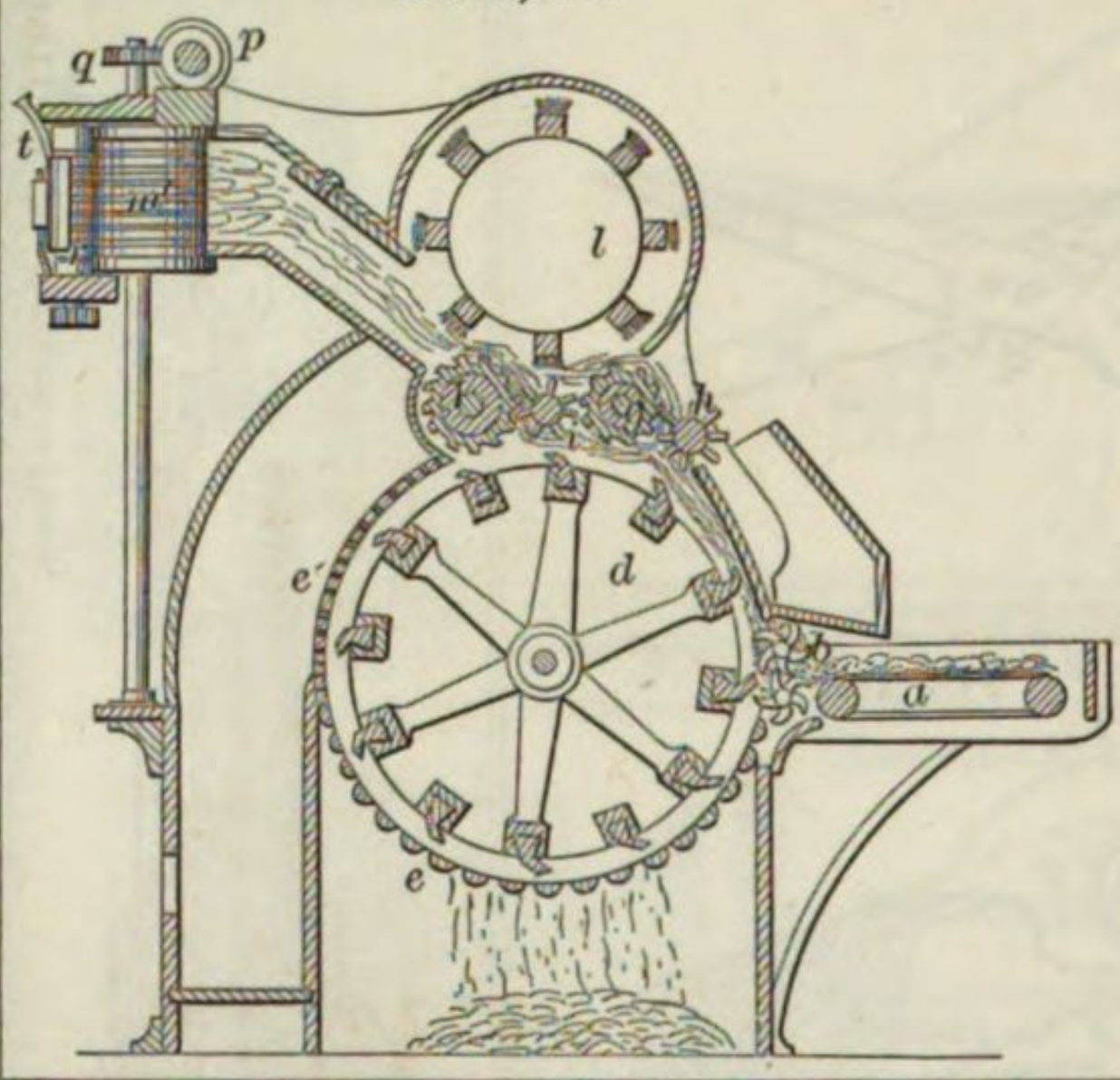
56671—J. W. Douglas—*Pump.*



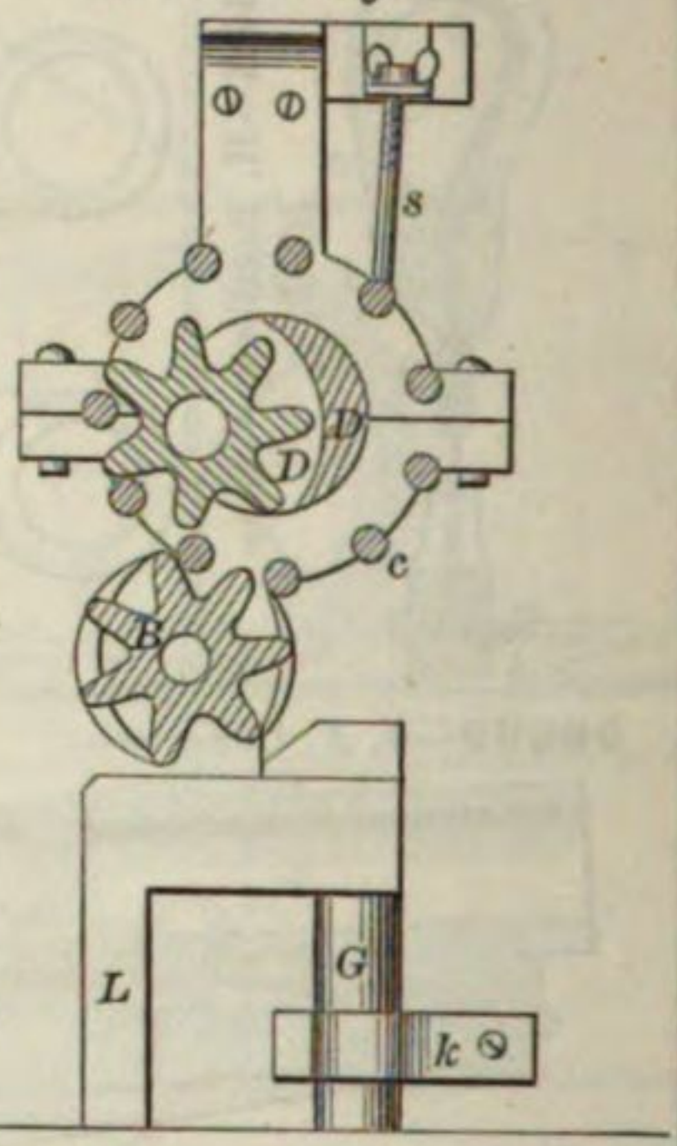
56674—J. M. Merritt—*Stencil Numbering Apparatus.*



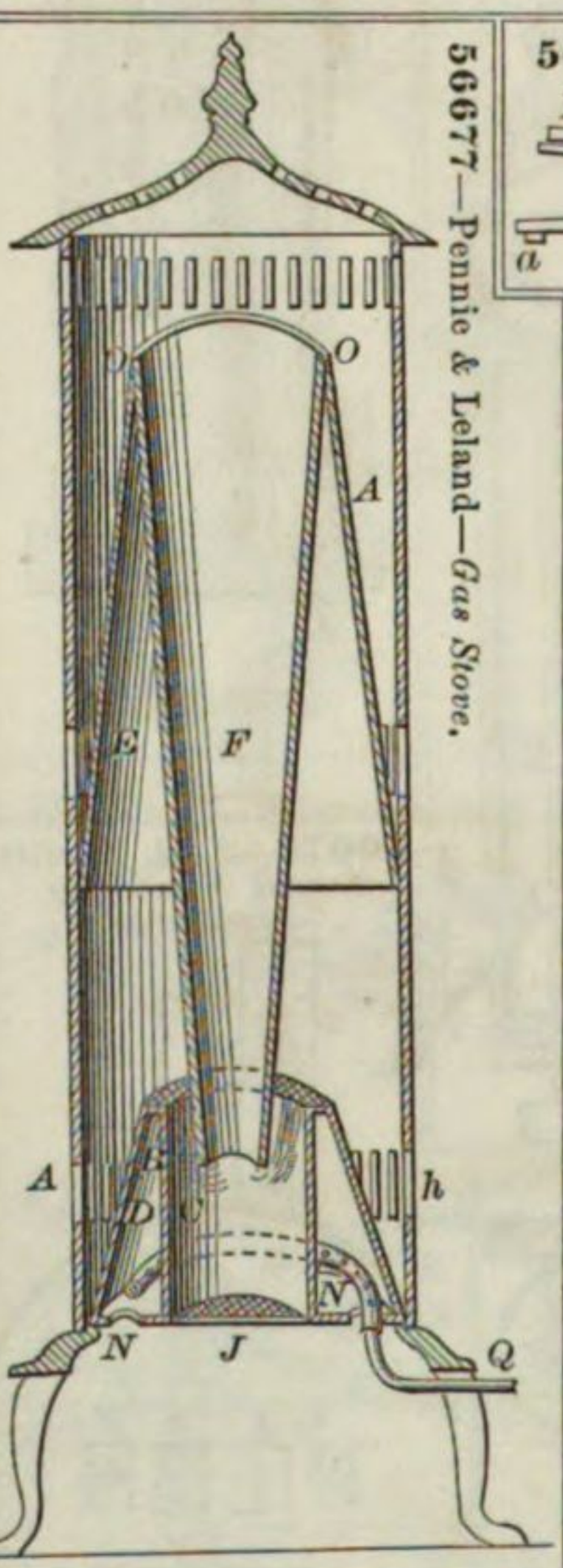
56675—S. R. Parkhurst—*Picking and Cleaning Cotton, &c.*



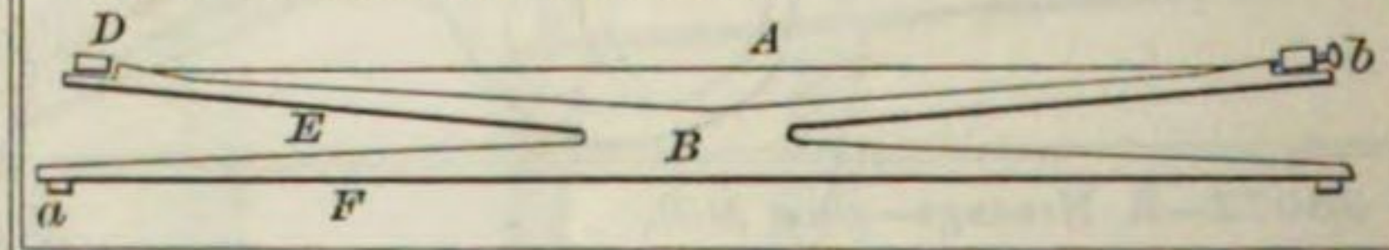
56676—Pease & Lewis—*Clothes Wringer.*



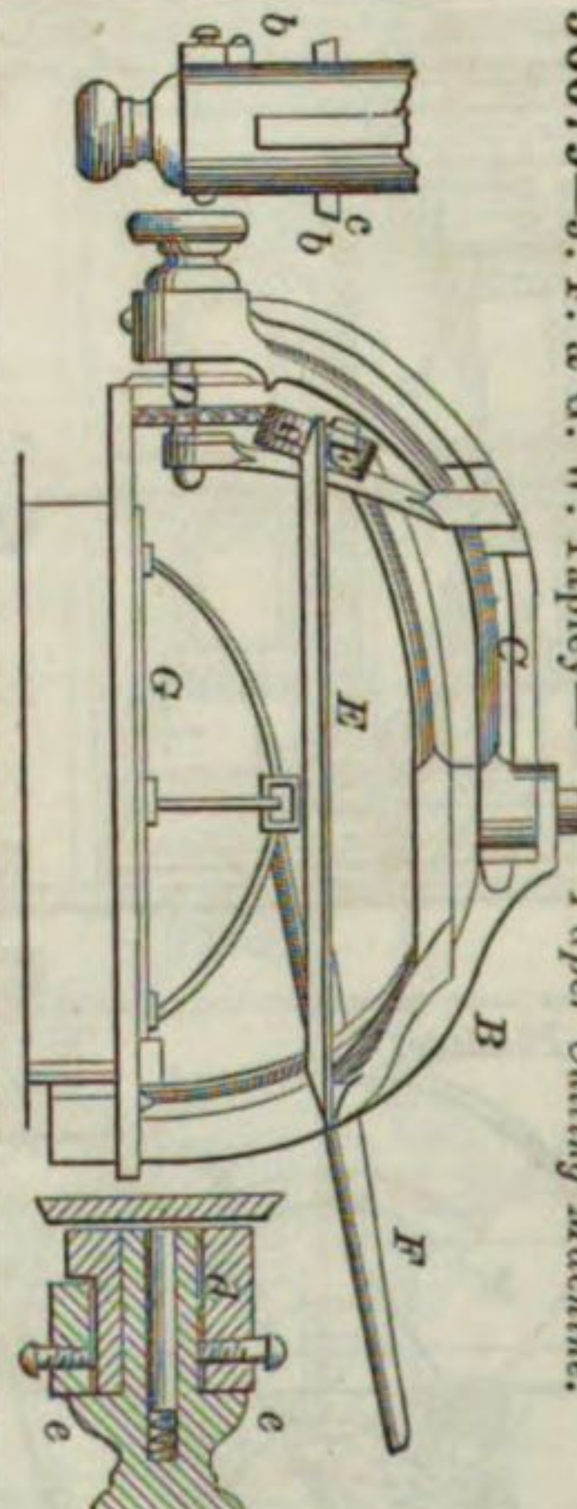
56677—Pennie & Leland—*Gas Stove.*



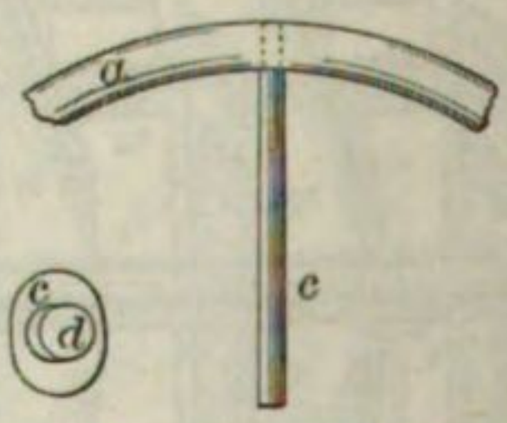
56678—M. Roberts—*Bed Bottom.*



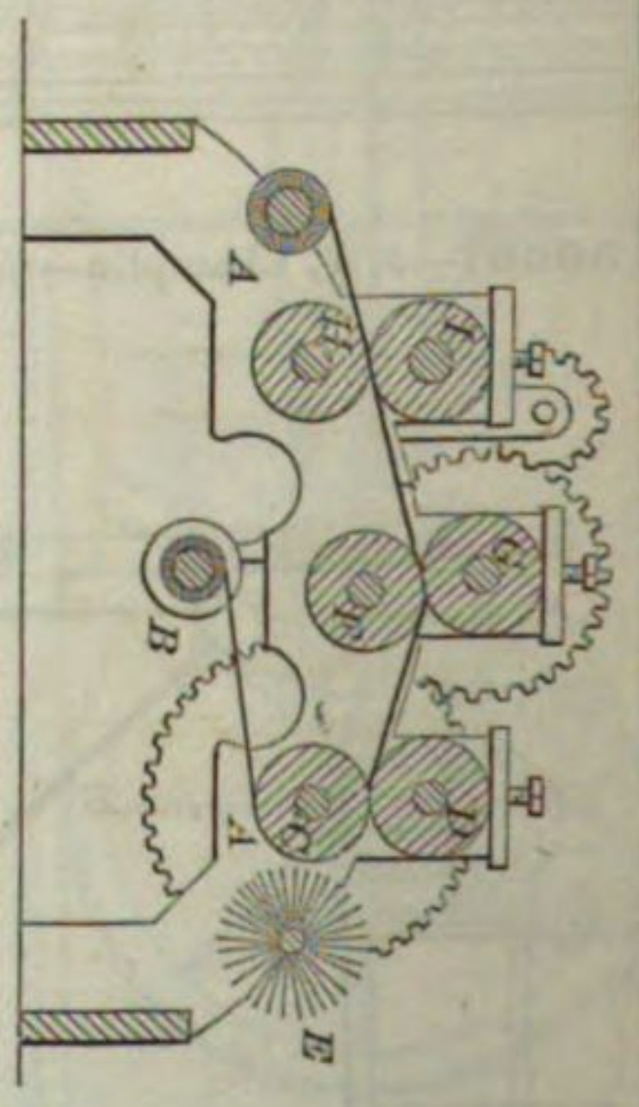
56679—J. F. & G. W. Tapley—*Paper Cutting Machine.*



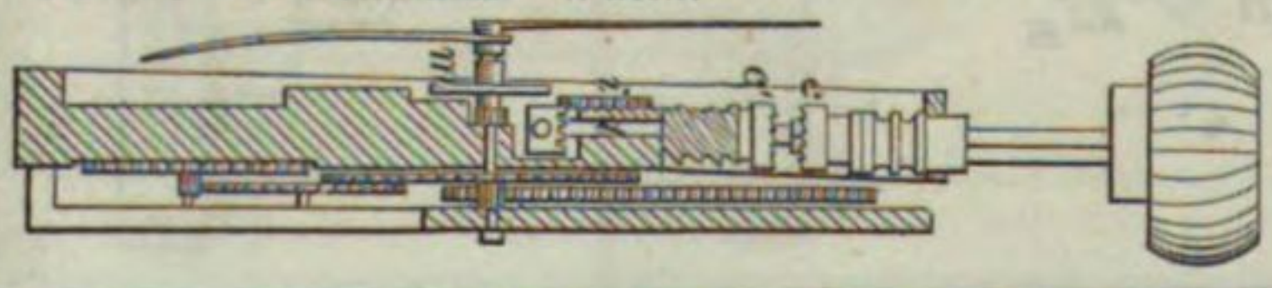
56681—J. Woodburn—*Carriage Wheel.*



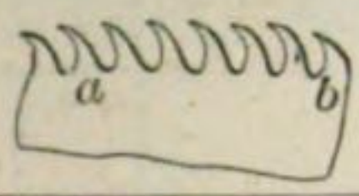
56682—W. F. Wright—*Polishing Enameled Paper.*



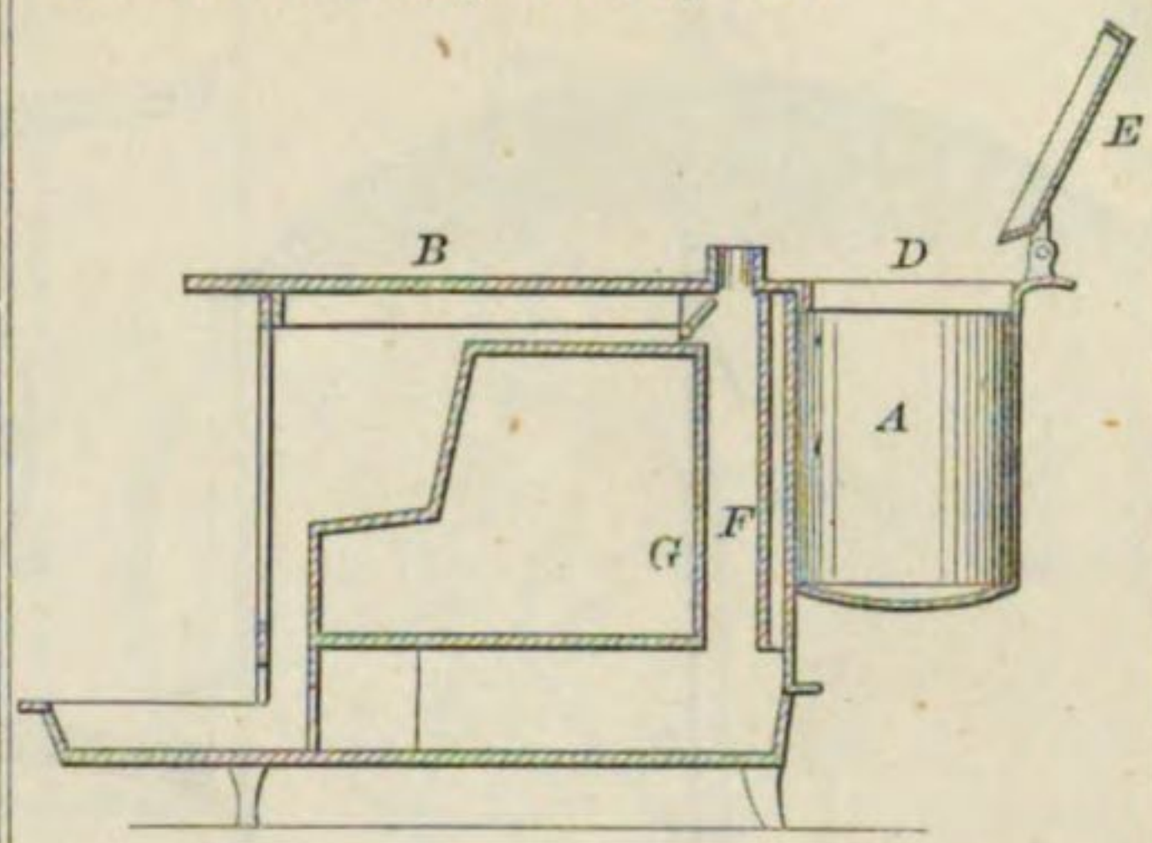
56683—C. Lehmann—*Watch.*



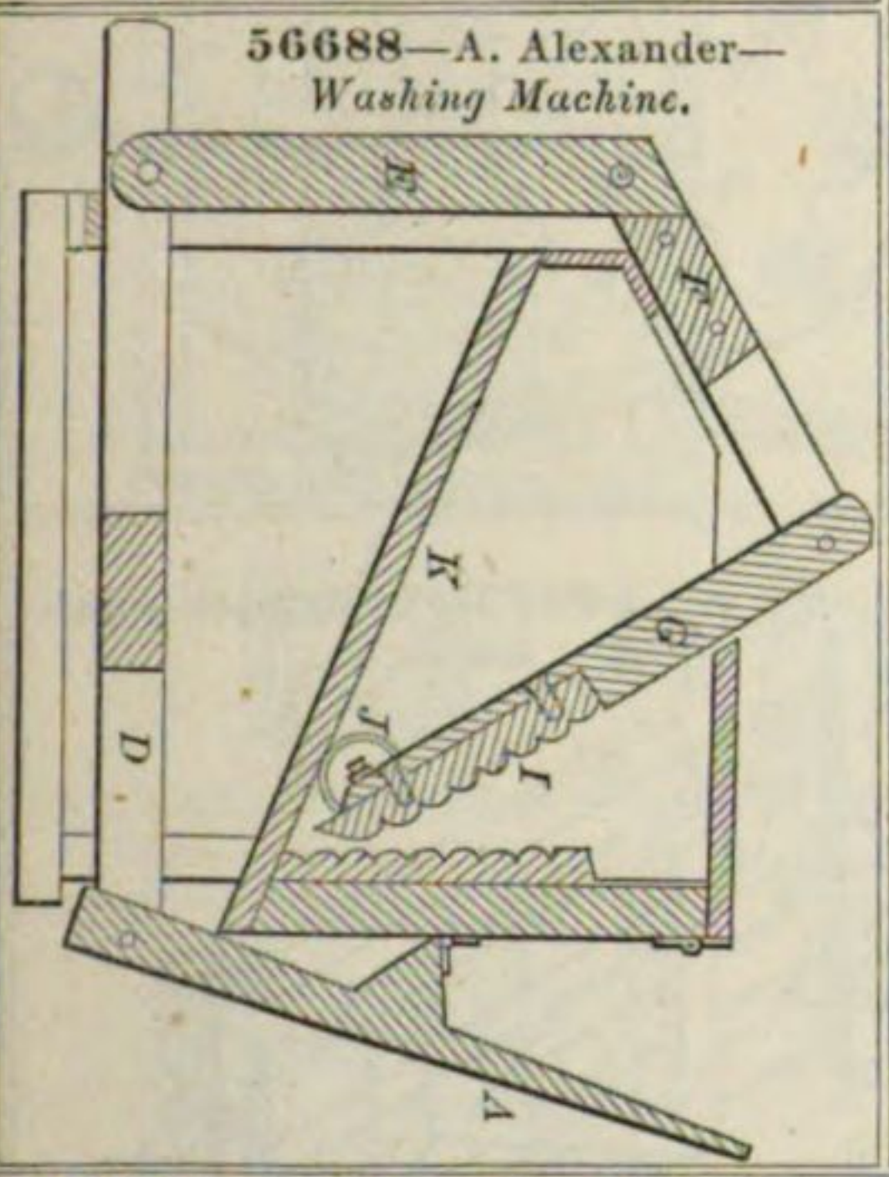
56684—T. C. Craven—*Cotton Gin Saw.*

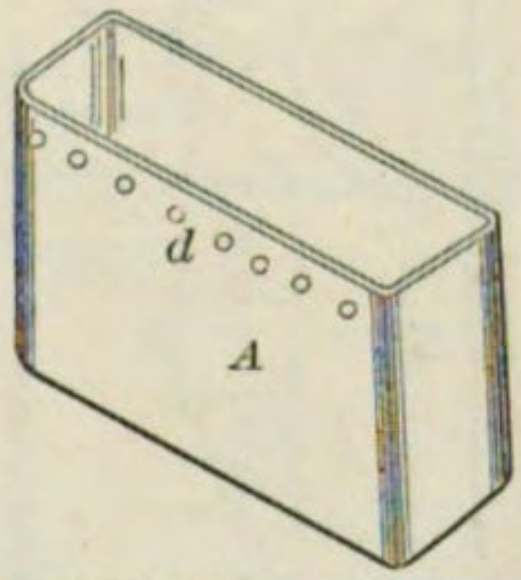


56686—E. Bussey—*Cooking Stove.*

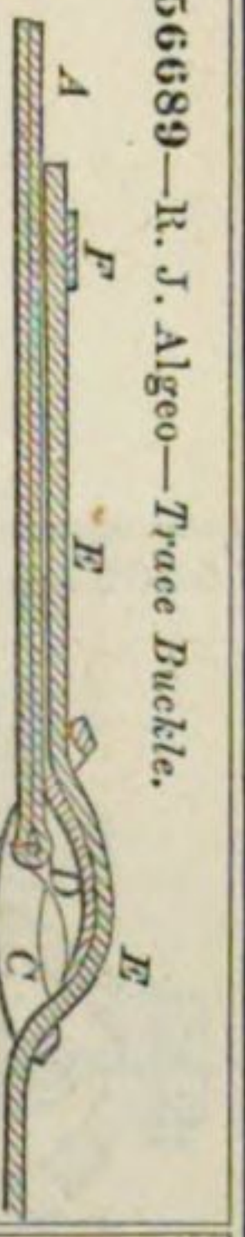


56688—A. Alexander—*Washing Machine.*

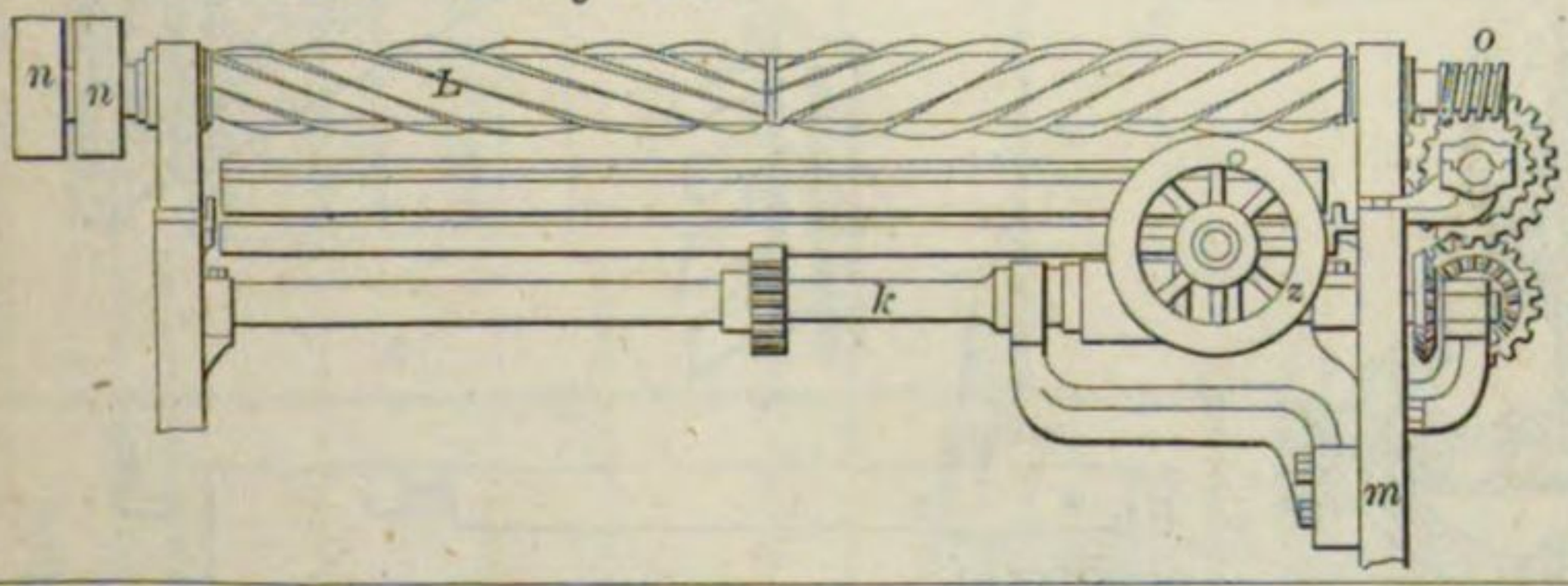




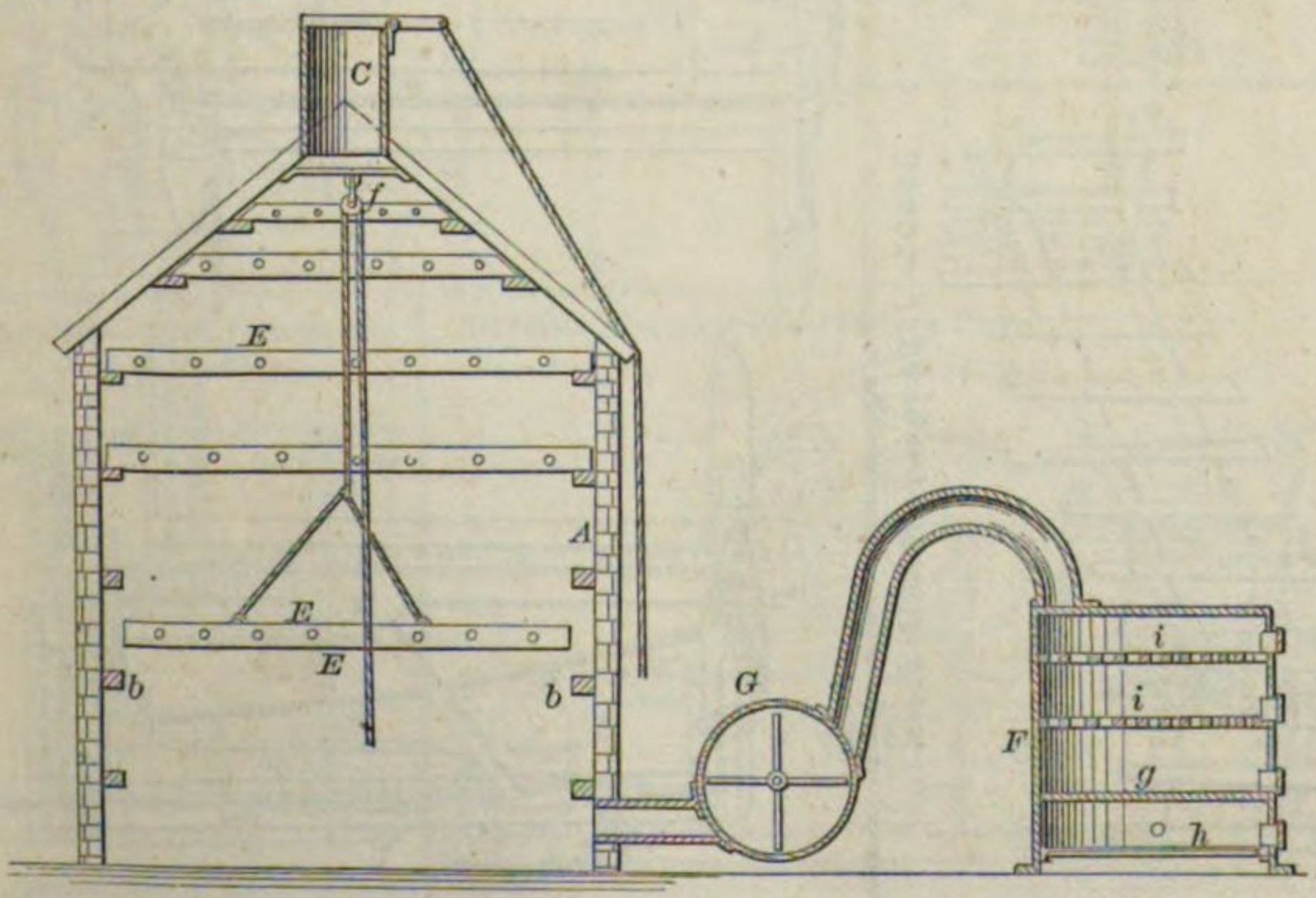
56689—R. J. Algeo—*Trace Buckle.*



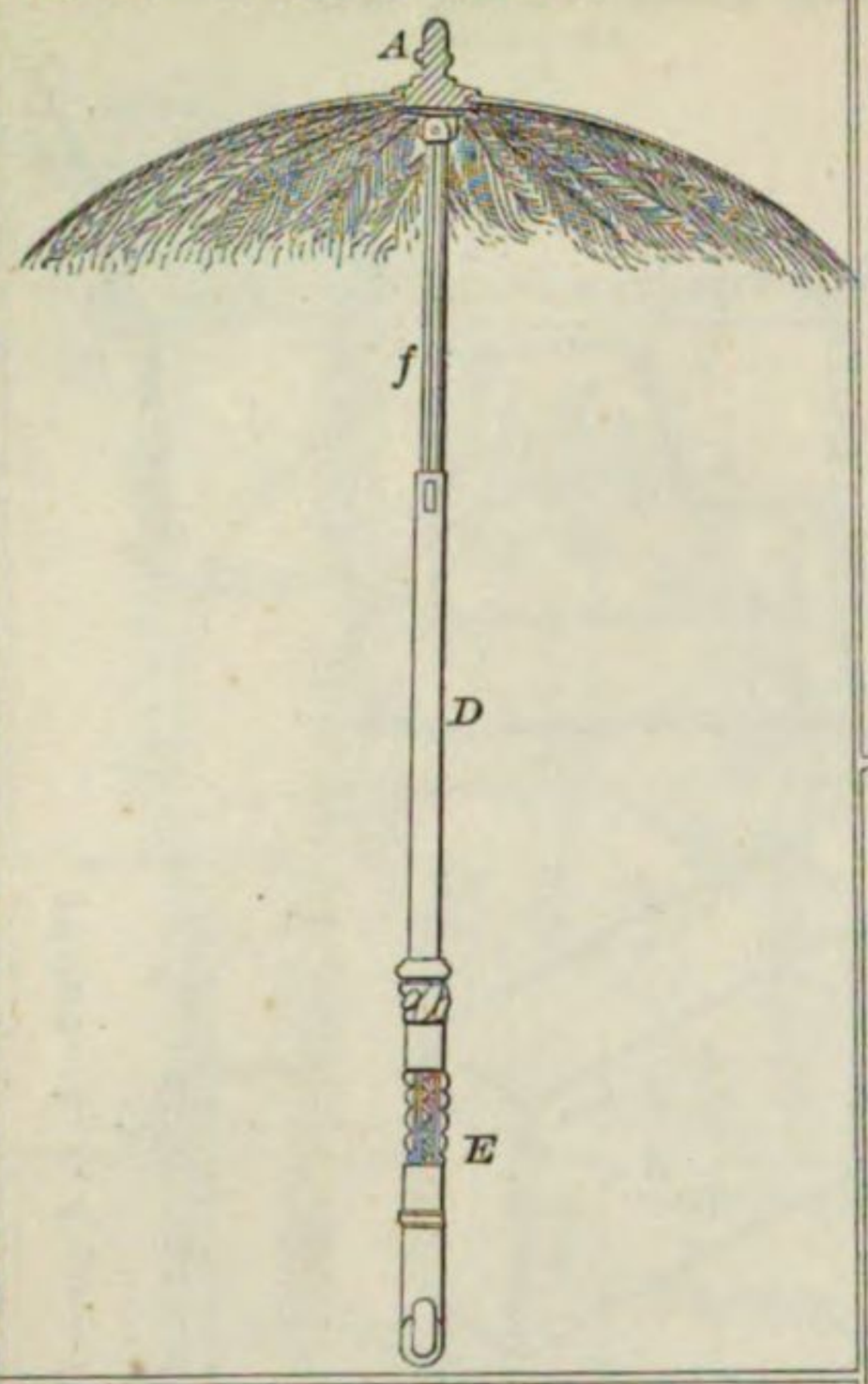
56687—A. Adler—*Working Hides.*



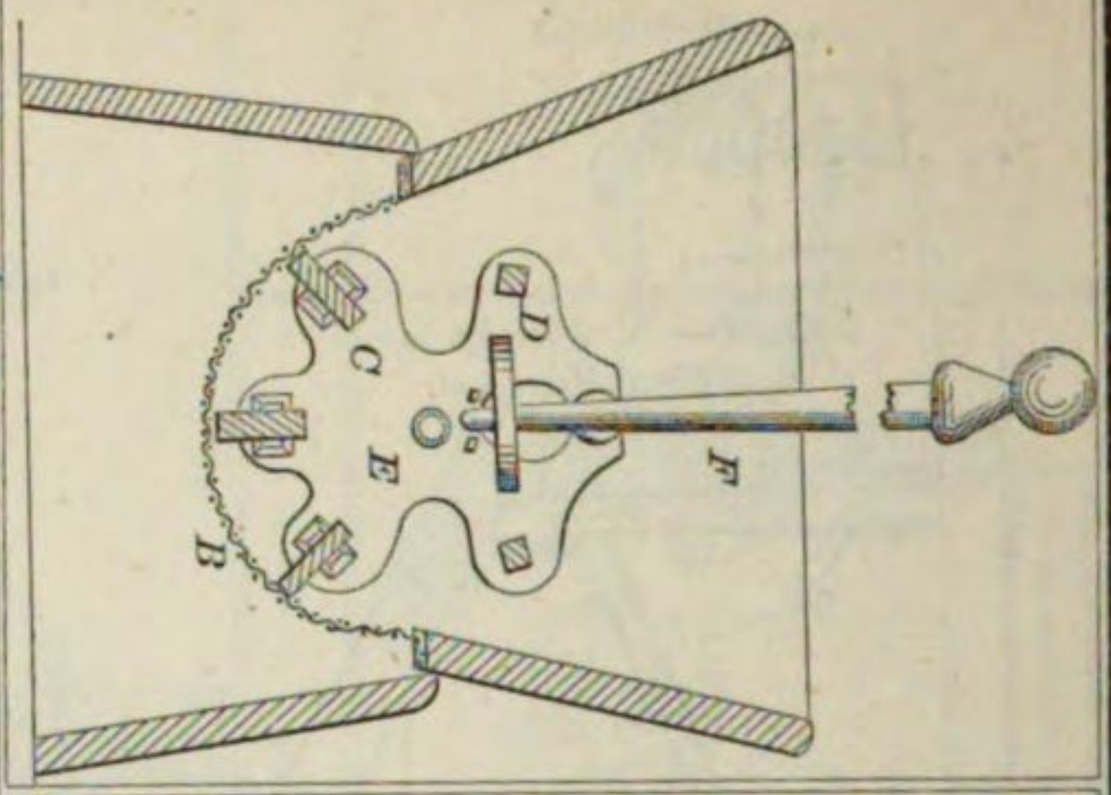
56690—H. A. Amelung—*Smoke House.*



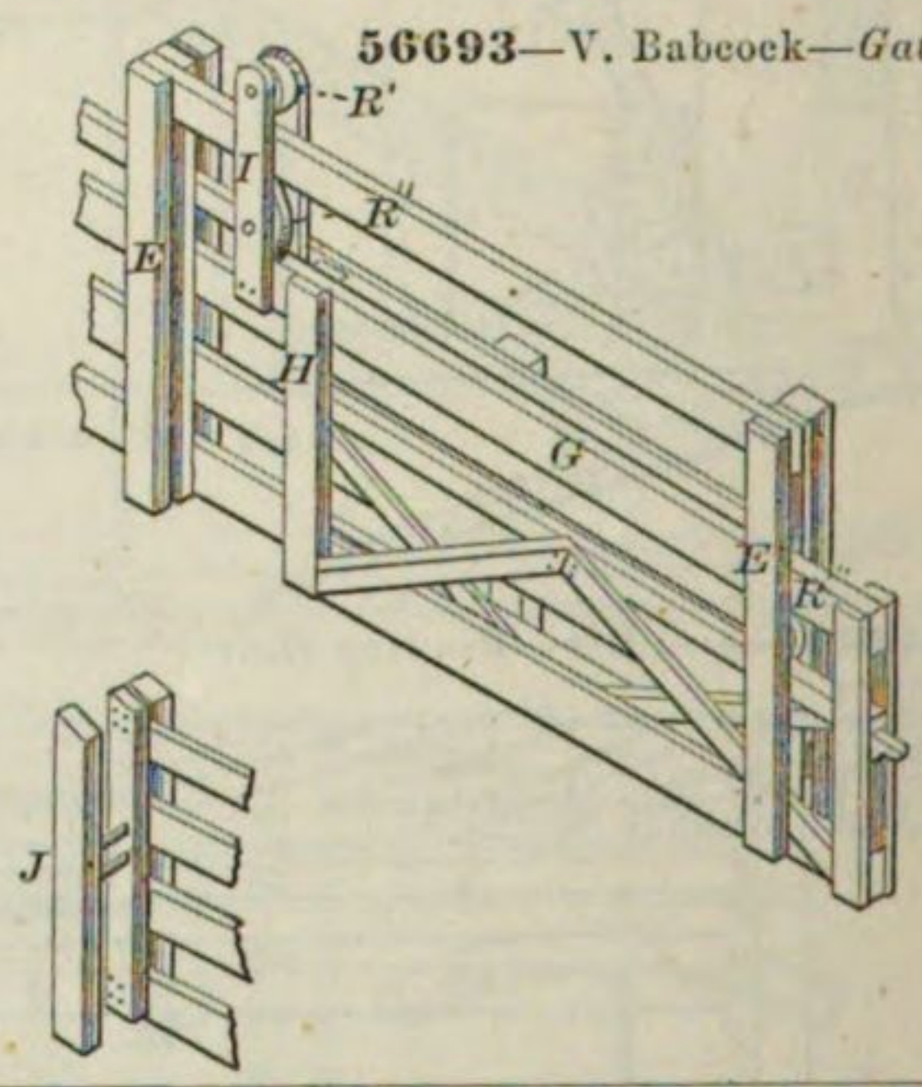
56691—G. Anton—*Parasol.*



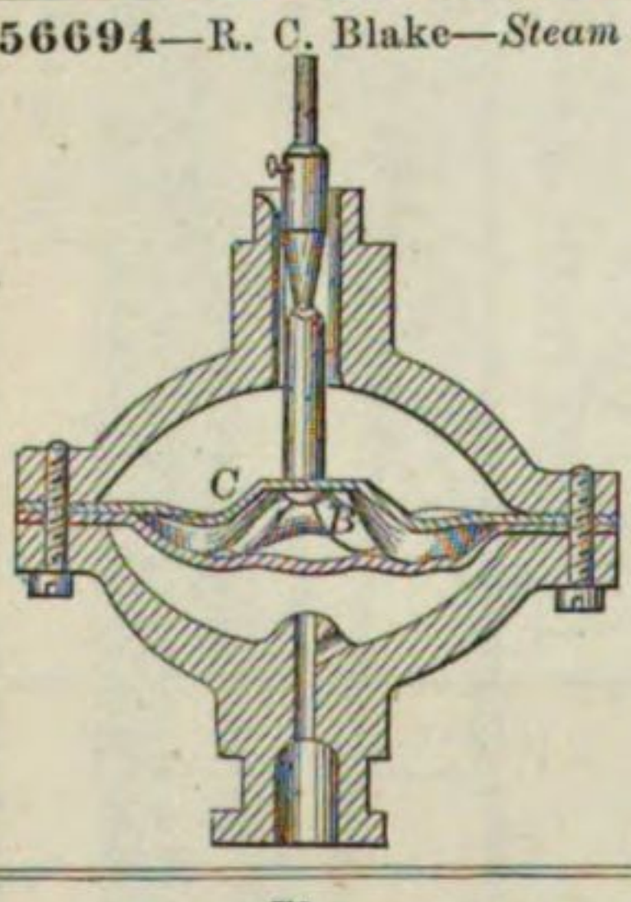
56692—F. Arnold—*Flour Sifter.*



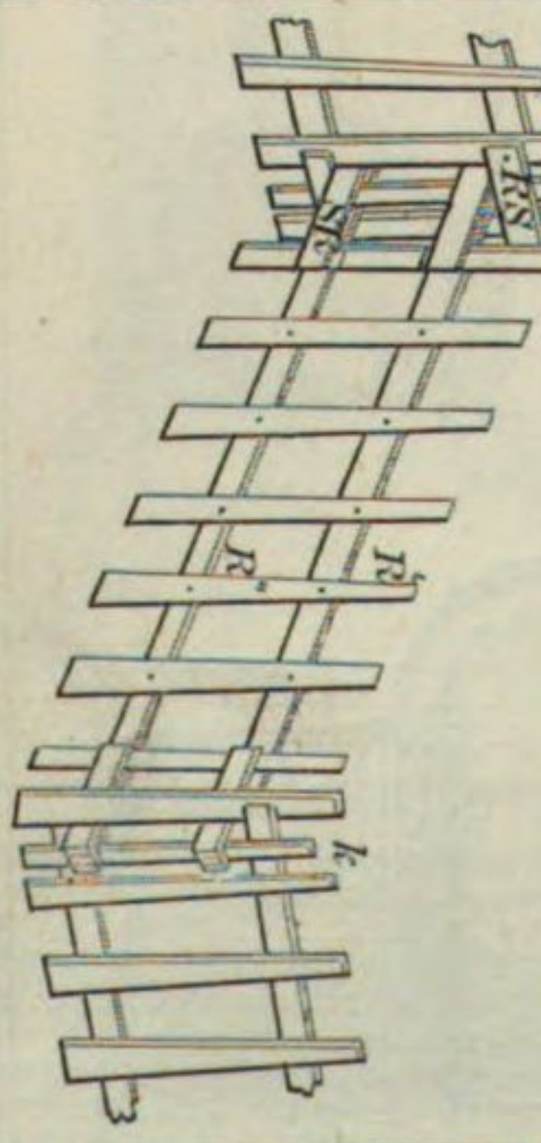
56693—V. Babcock—*Gate.*



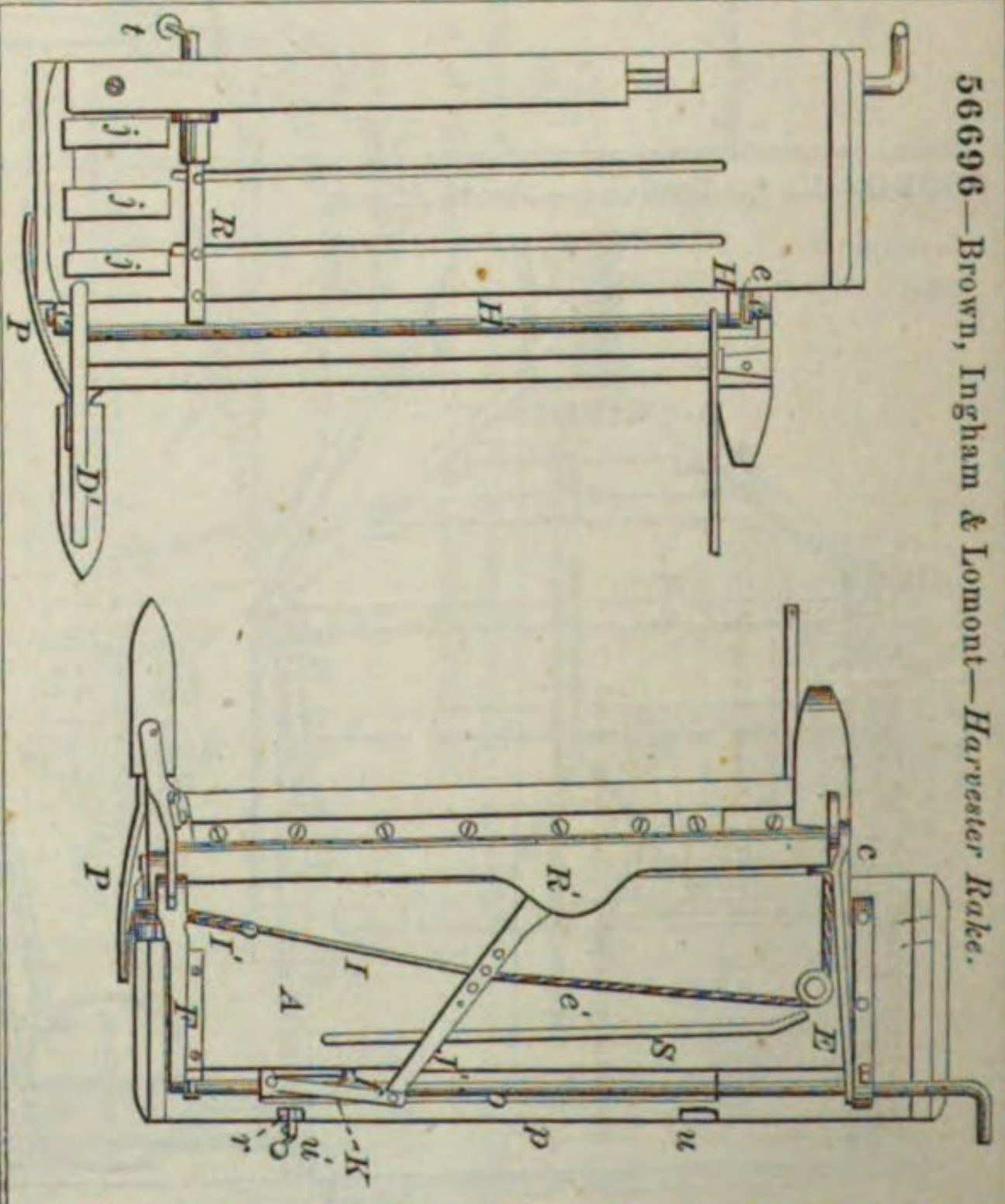
56694—R. C. Blake—*Steam Gauge.*



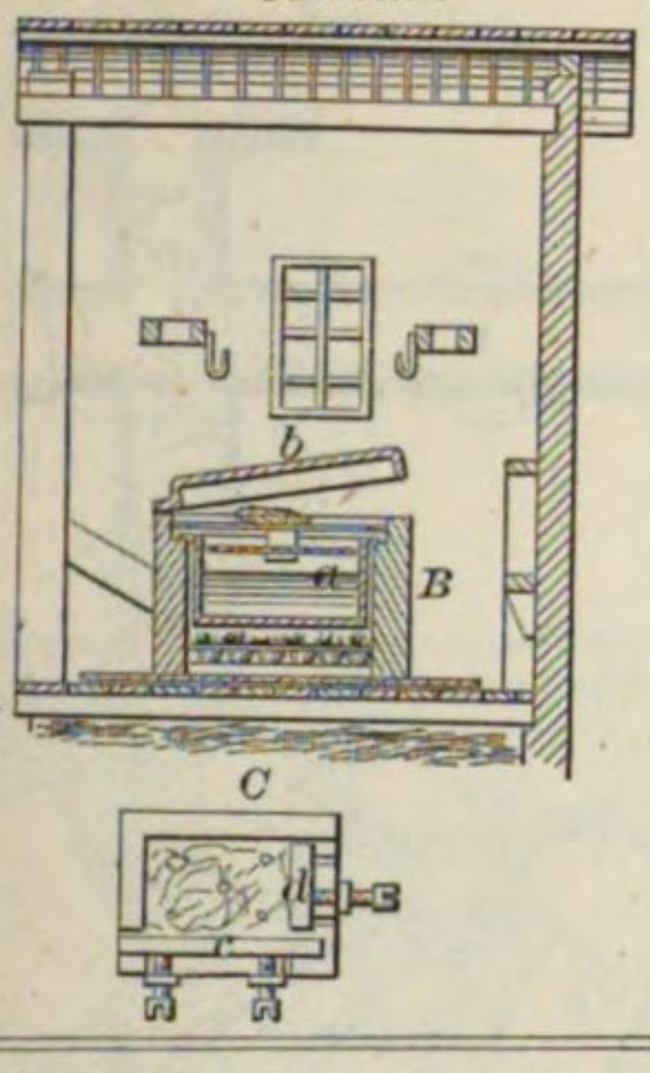
56695—J. Breneman—*Portable Fence.*



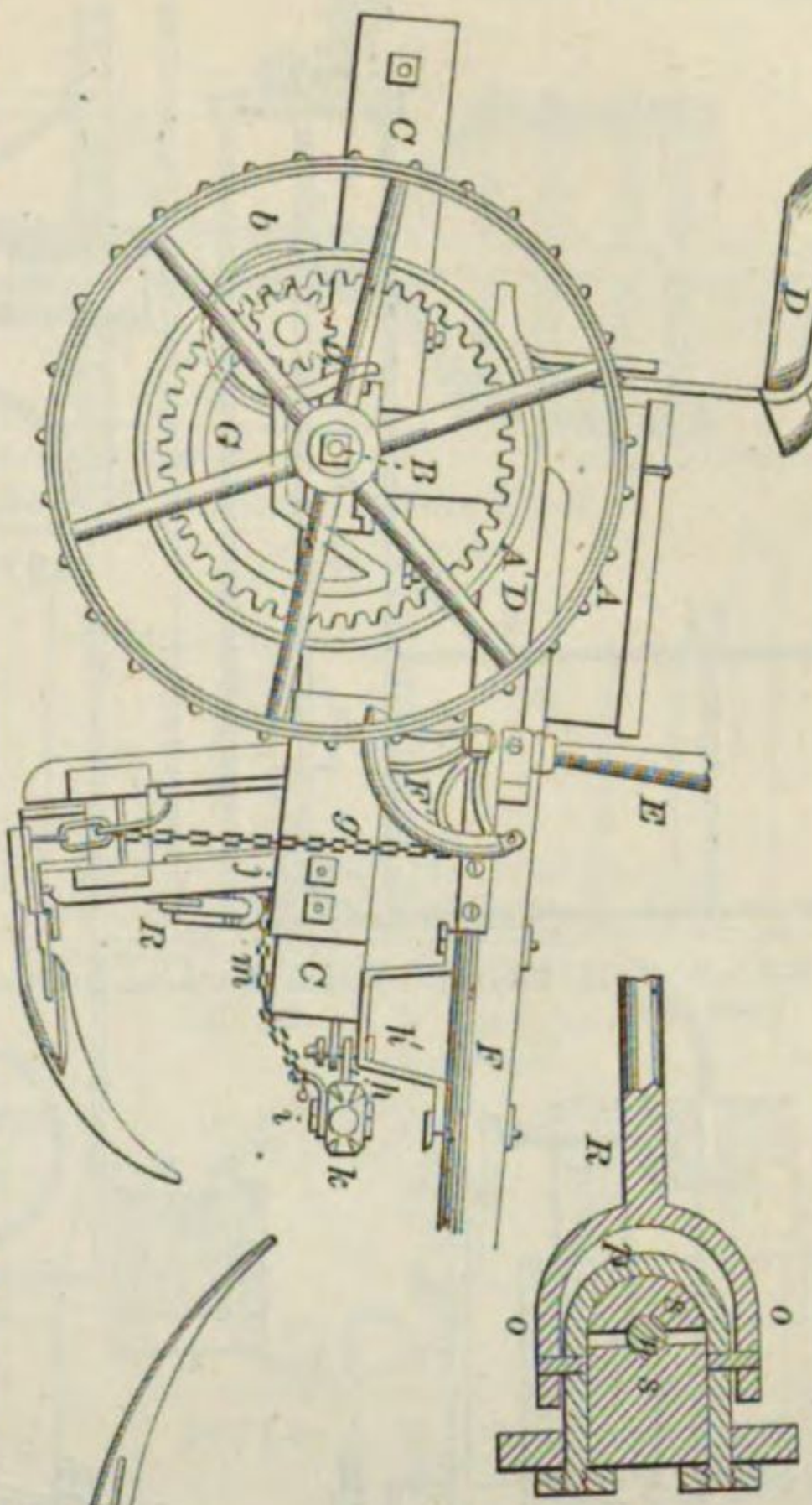
56696—Brown, Ingham & Lowmont—*Harvester Rake.*



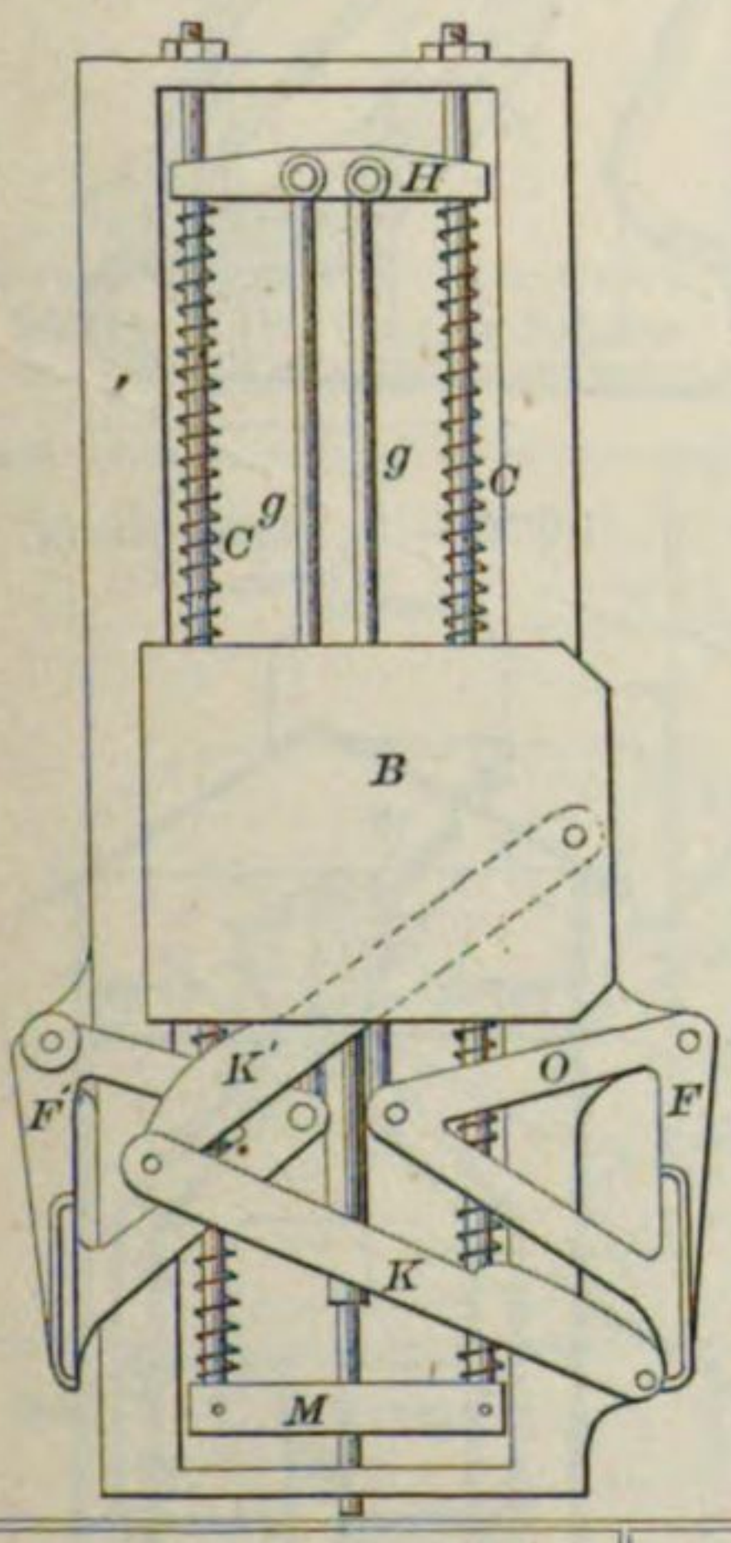
56697—T. Brown—*Re-dying Car Seat Cushions.*



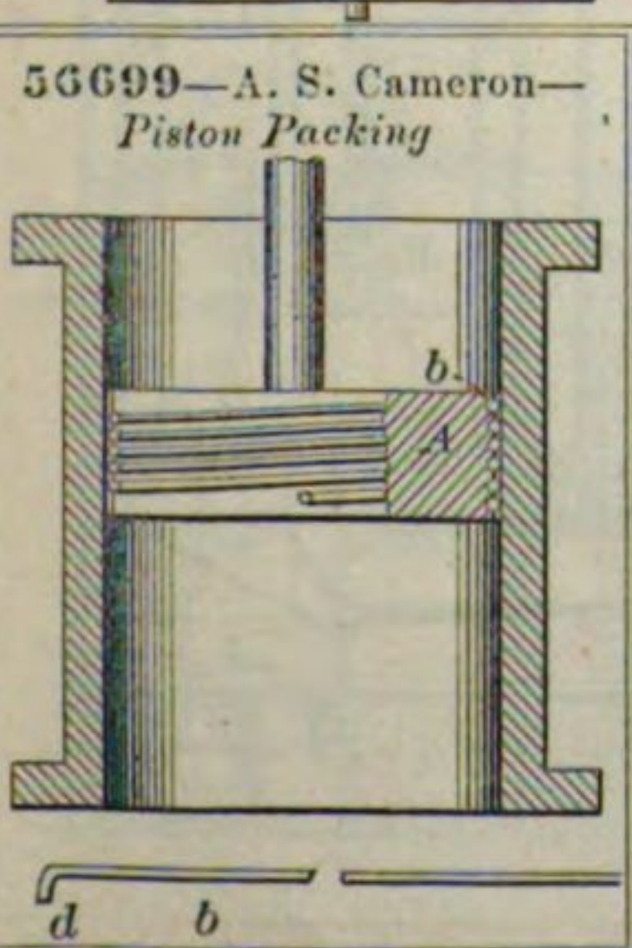
56698—R. Bryson—*Harvester.*



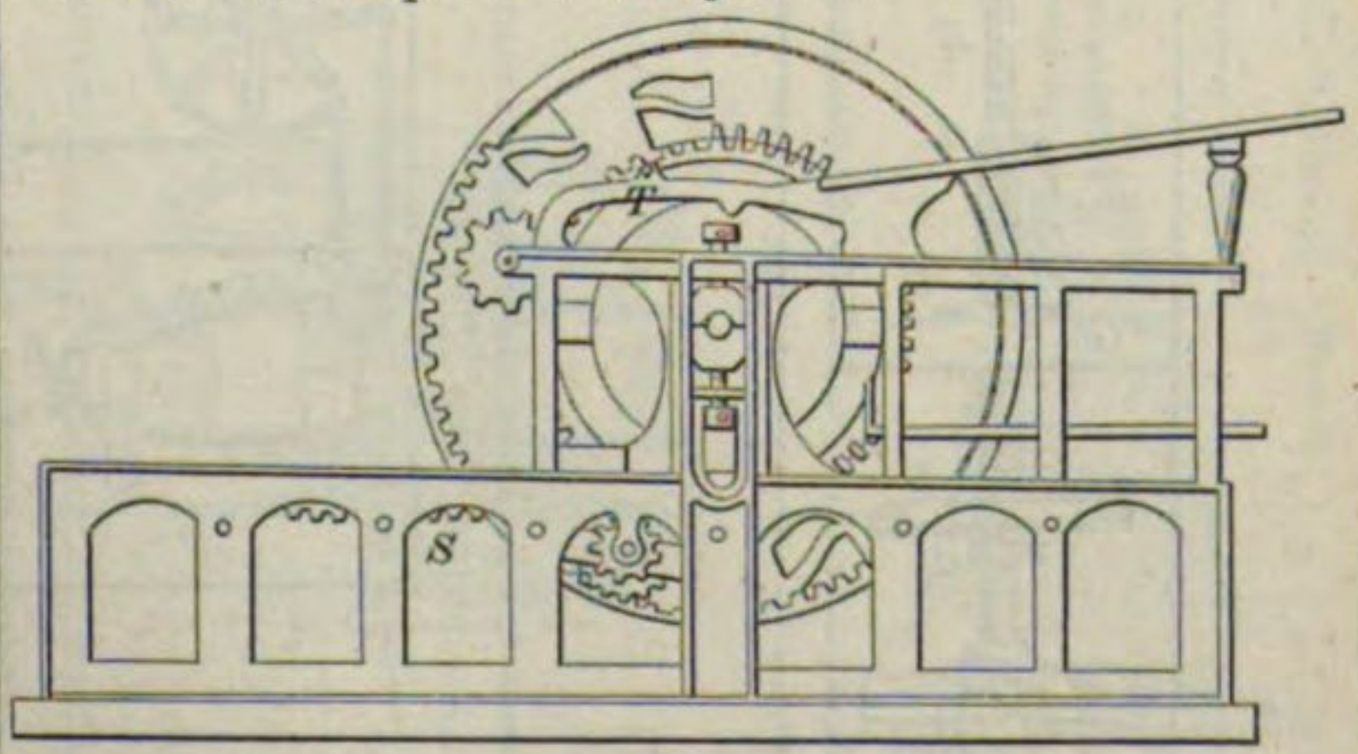
56700—A. Campbell—*Printing Press Spring.*



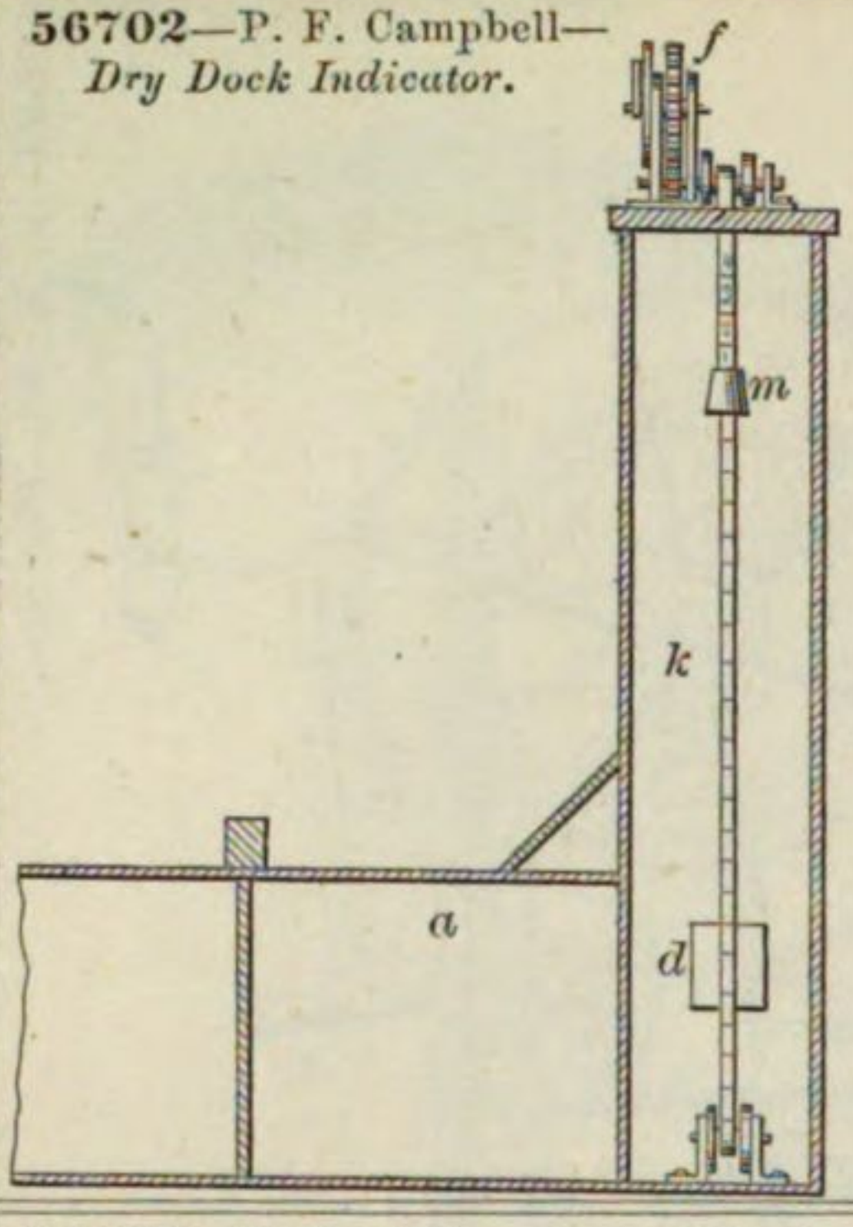
56699—A. S. Cameron—*Piston Packing*



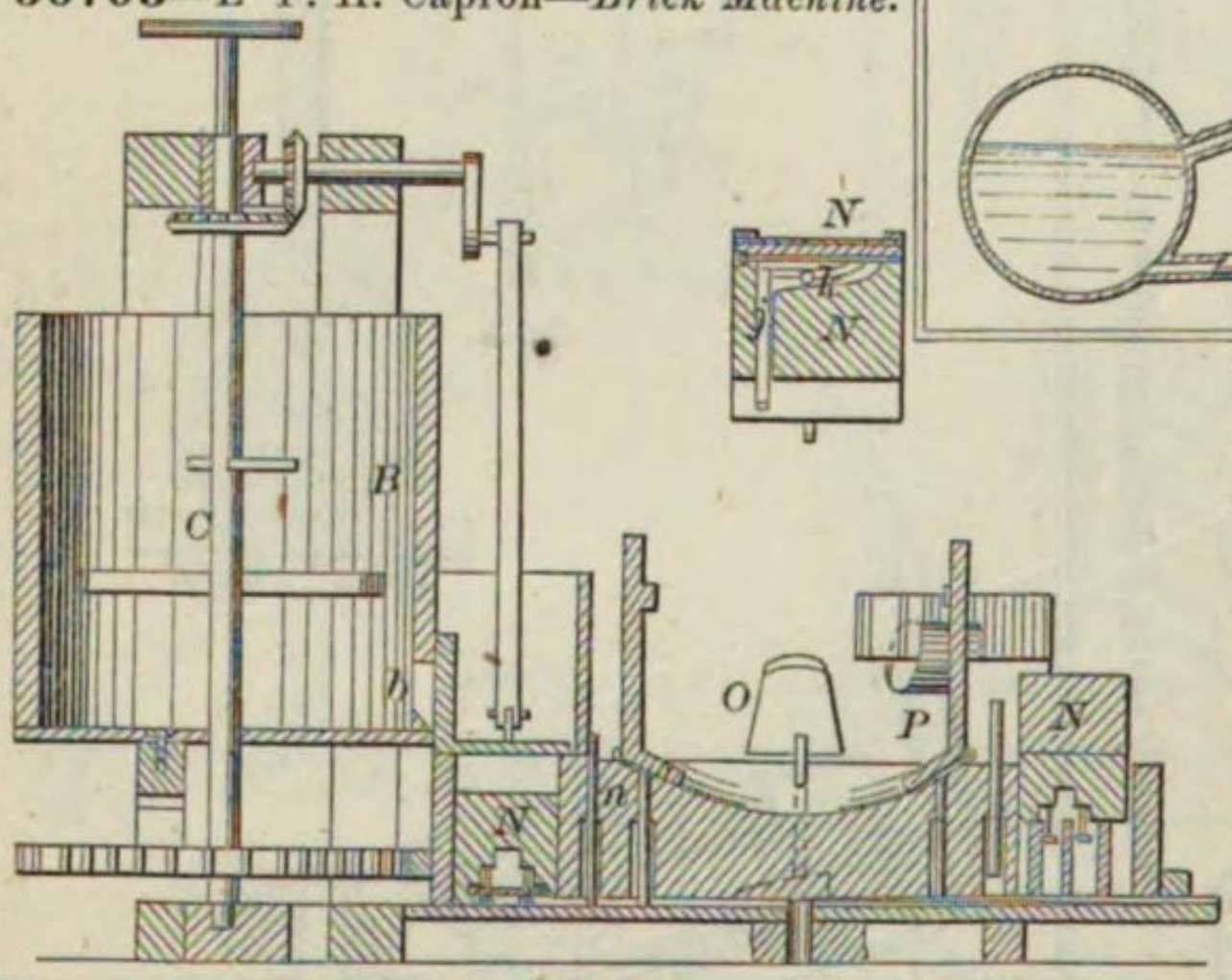
56701—A. Campbell—*Printing Press.*



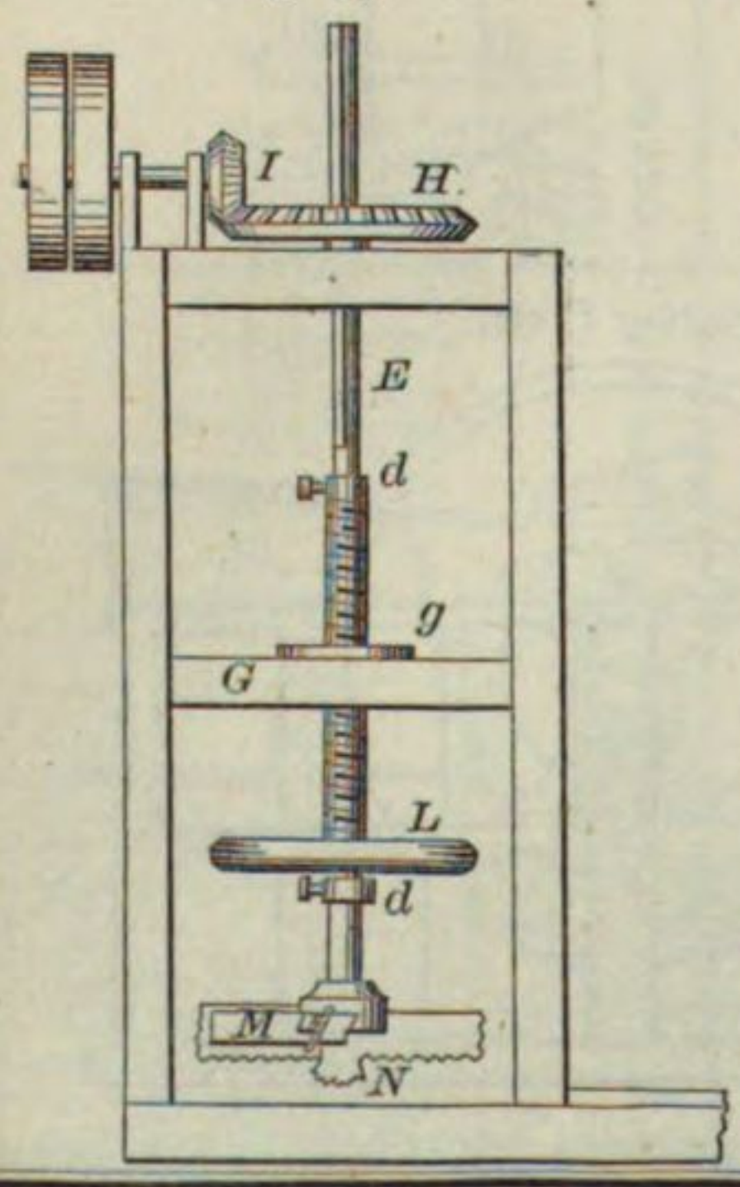
56702—P. F. Campbell—*Dry Dock Indicator.*



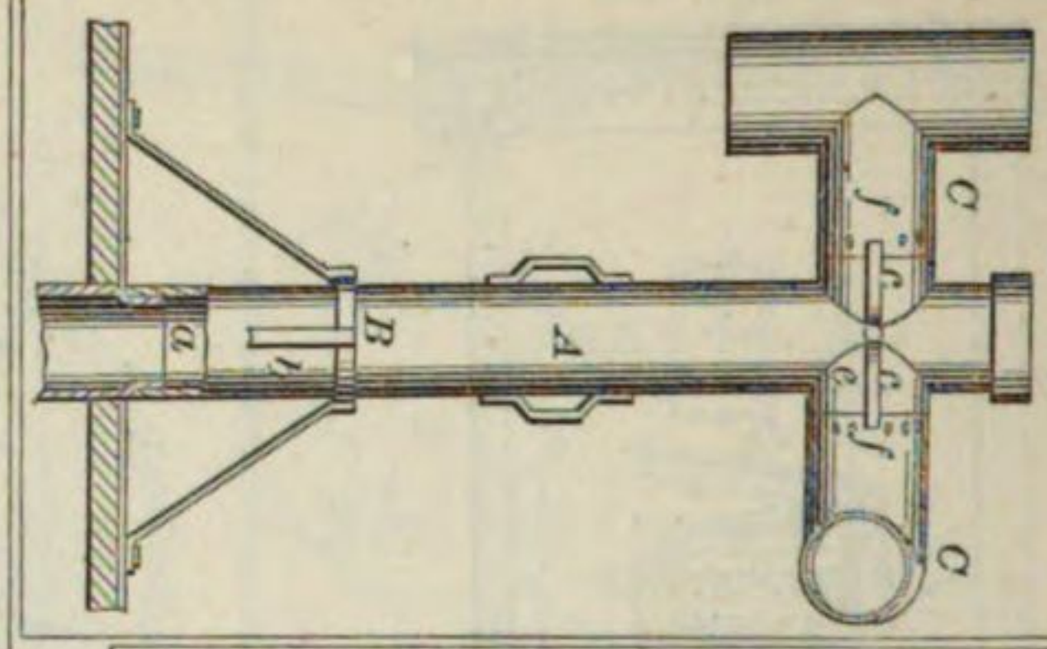
56703—E P. H. Capron—*Brick Machine.*



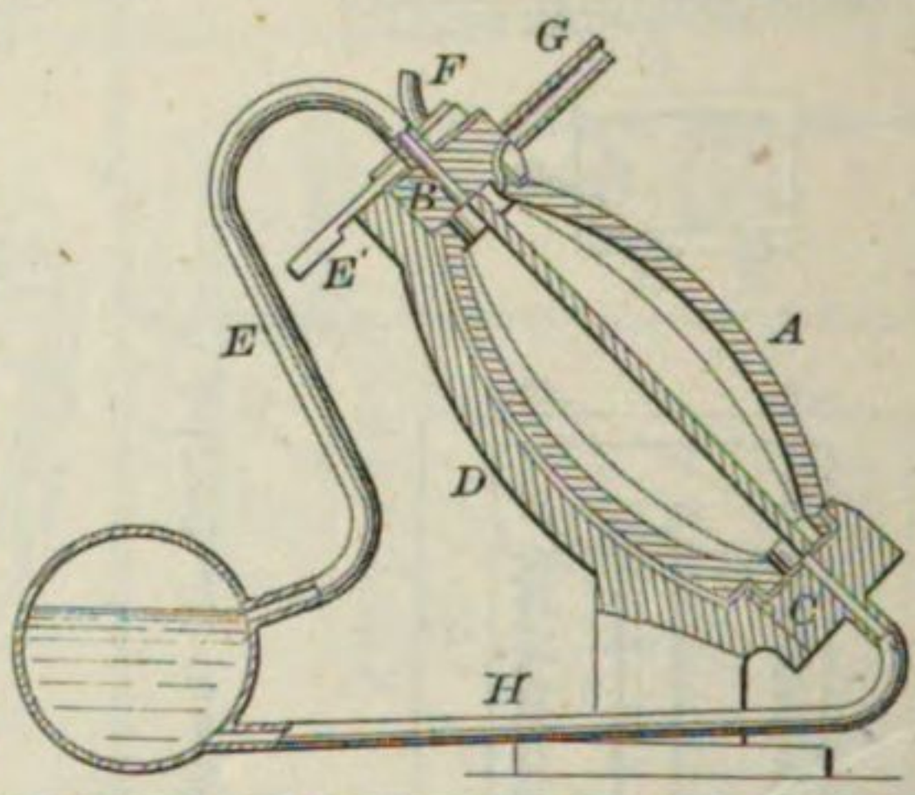
56705—S. Cary—*Boring and Grinding Apparatus.*



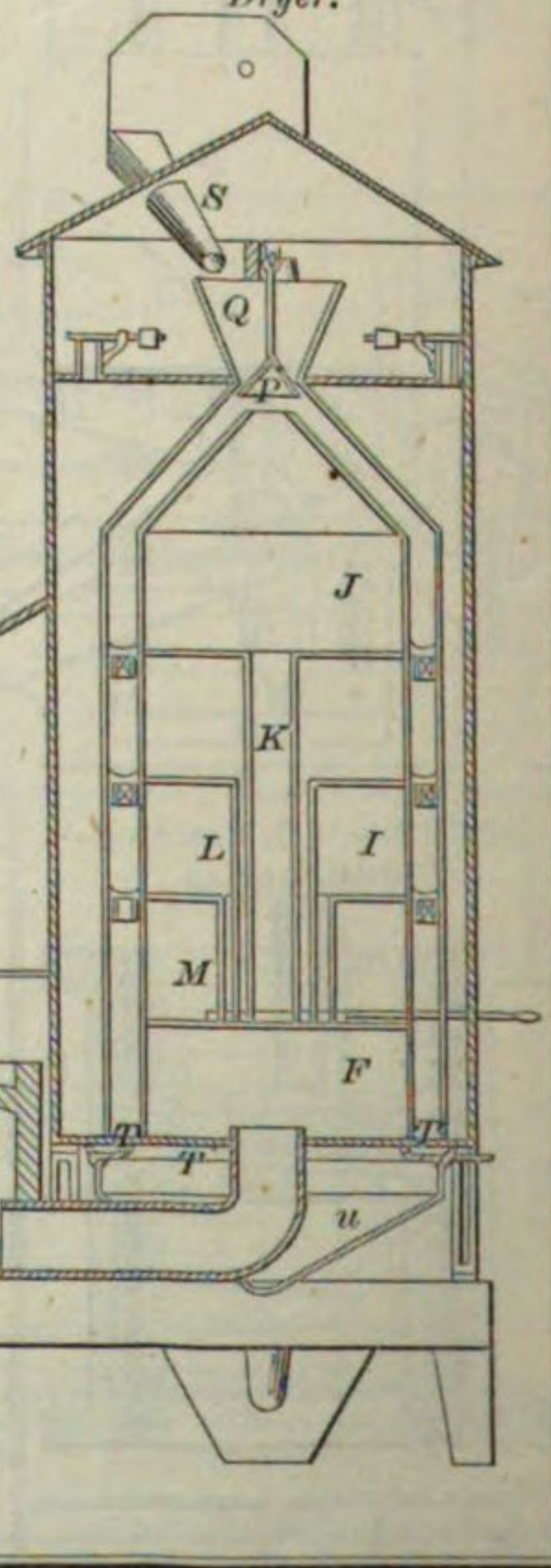
56707—W. Chappell—*Stove Pipe Top.*



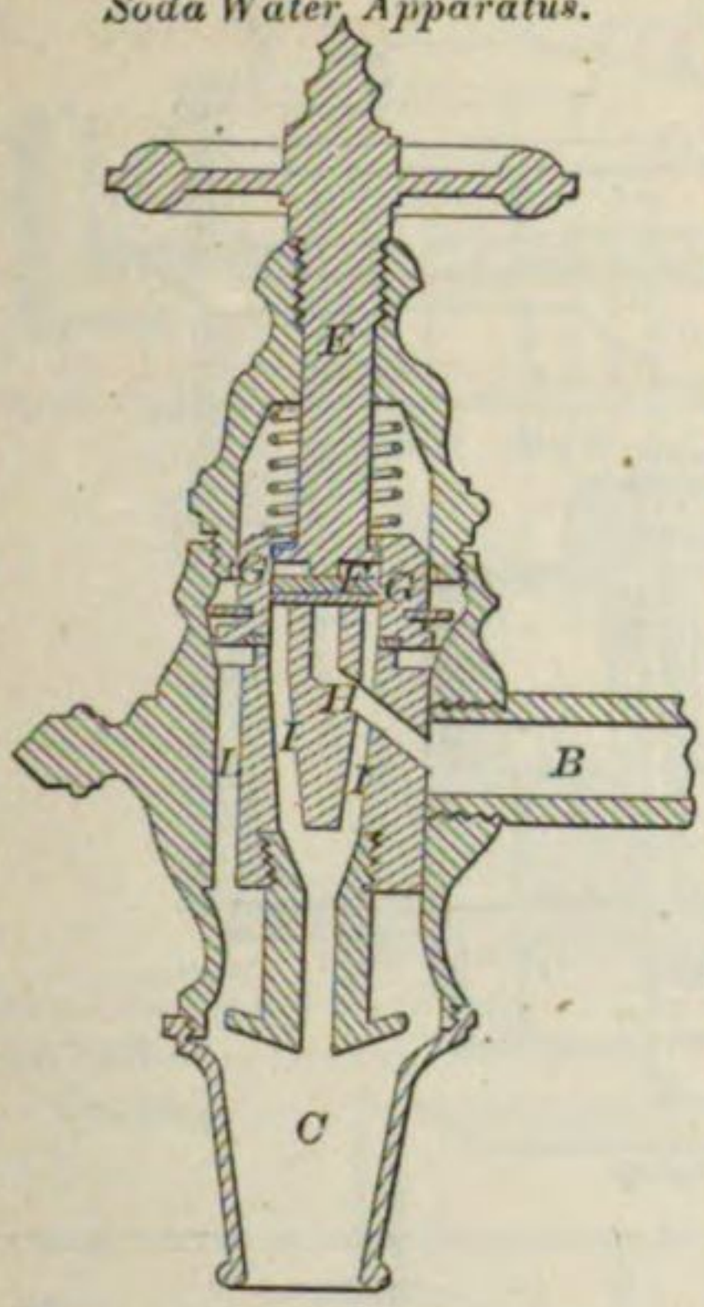
56706—B. Chalfant—*Automatic Boiler Feeder.*



56708—G. Clark—*Grain Dryer.*

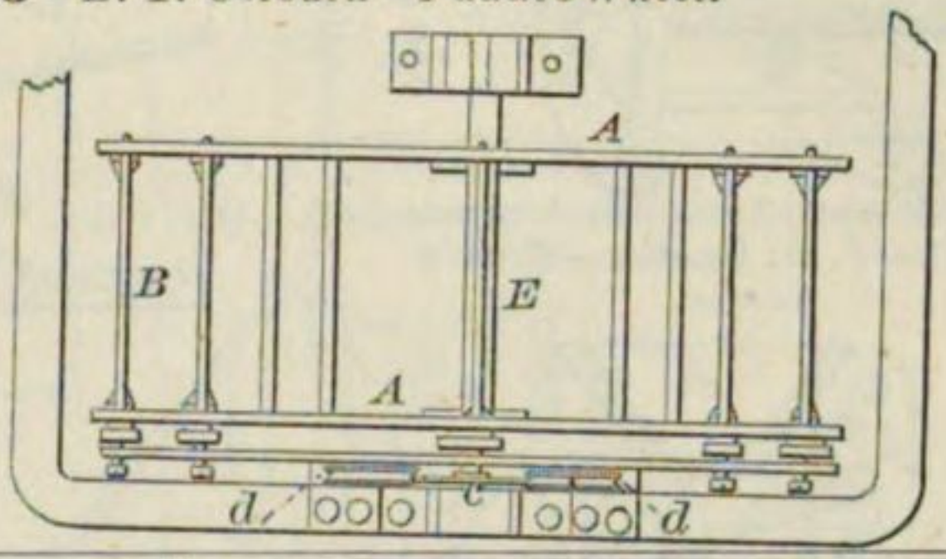


56709—W. P. Clark—*Cock for Soda Water Apparatus.*

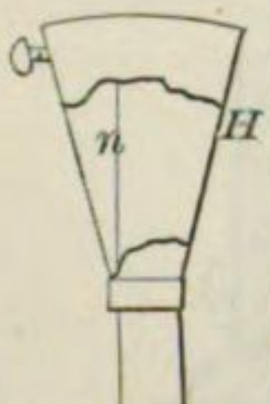


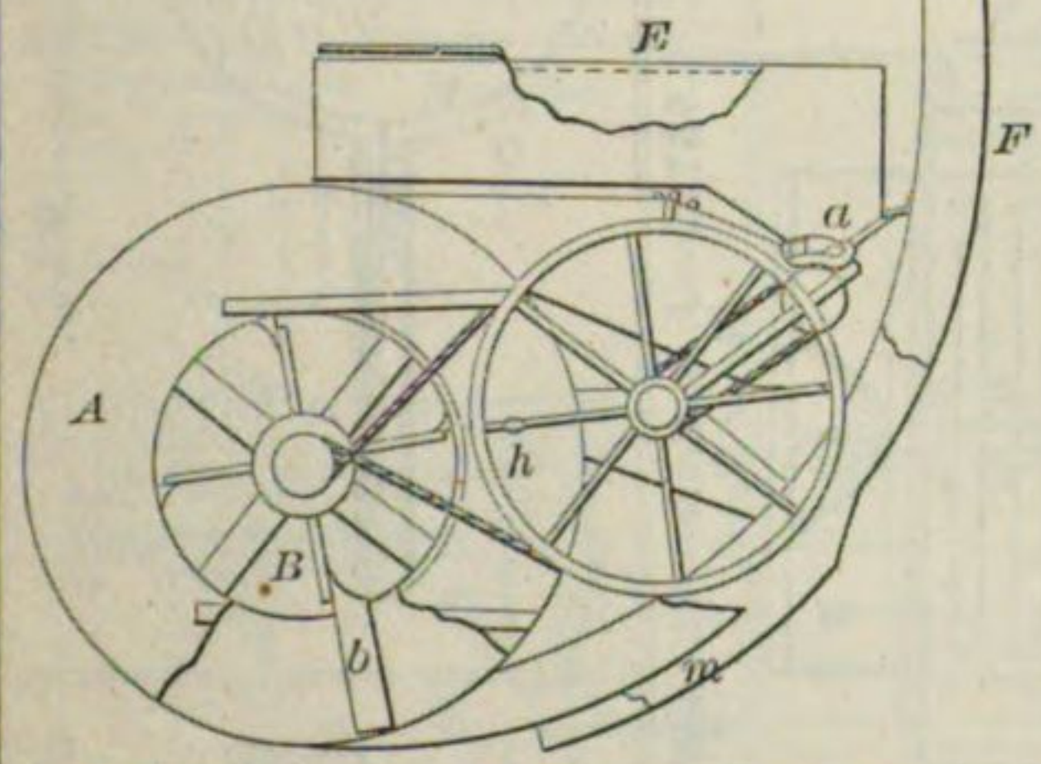
56710—J. W. Clarke—*Funnel.*

56713—E. T. Colburn—*Paddle Wheel.*

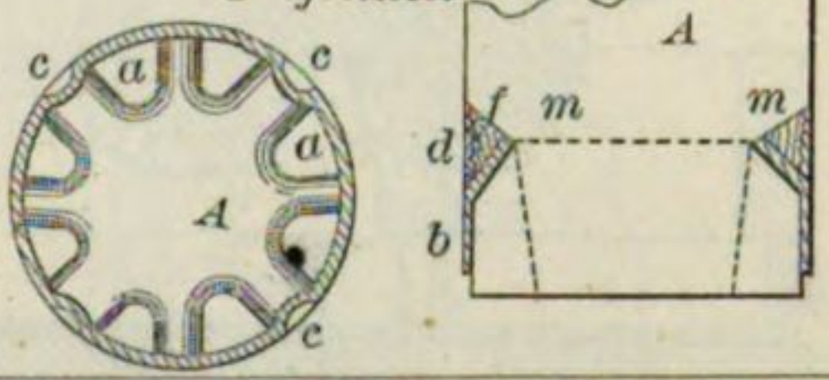


56711—J. W. Clarke—*Sulphur Duster.*

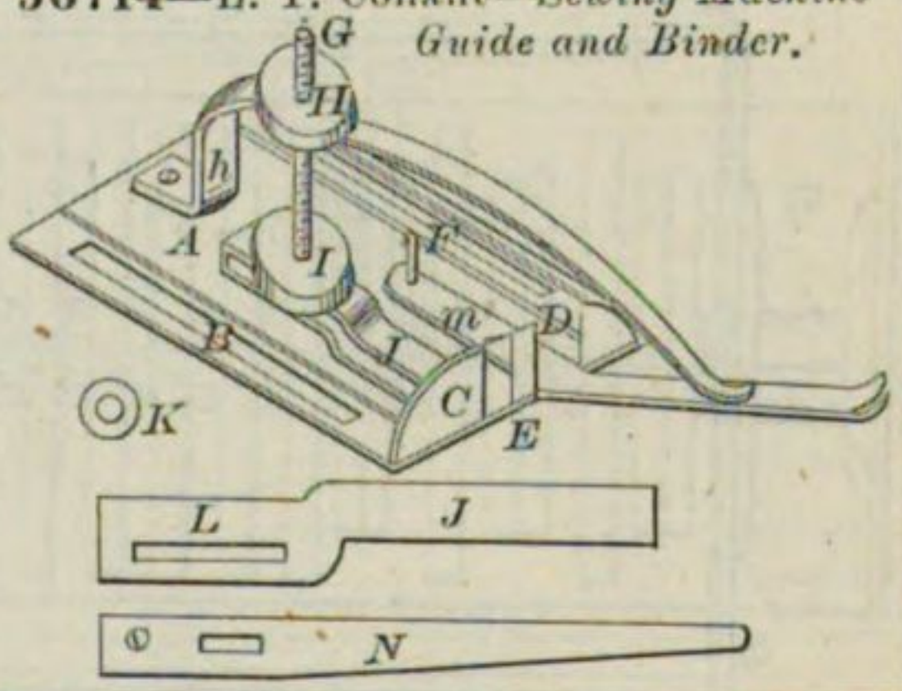




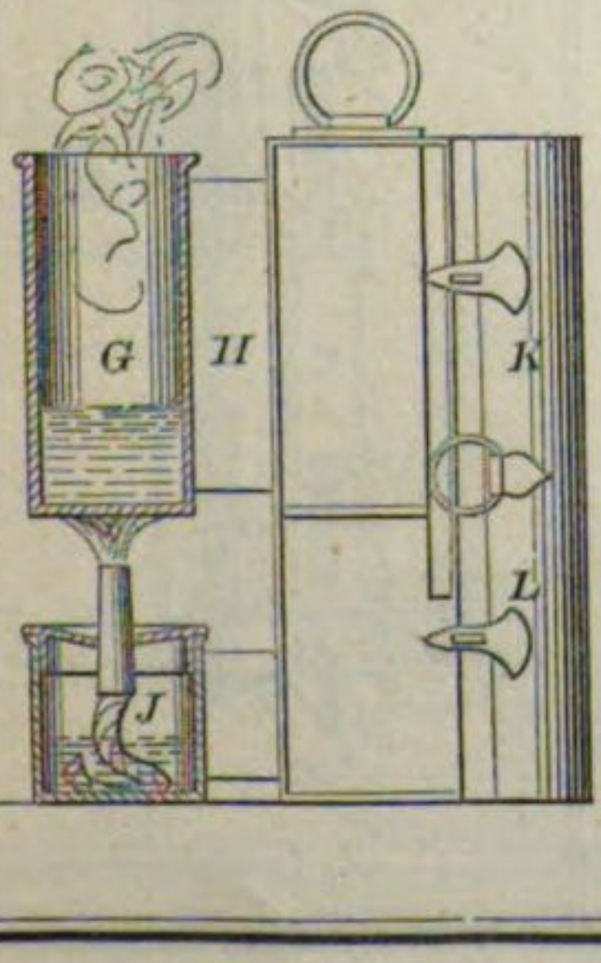
56712—J. W. Cochran—*Packing Projectiles.*



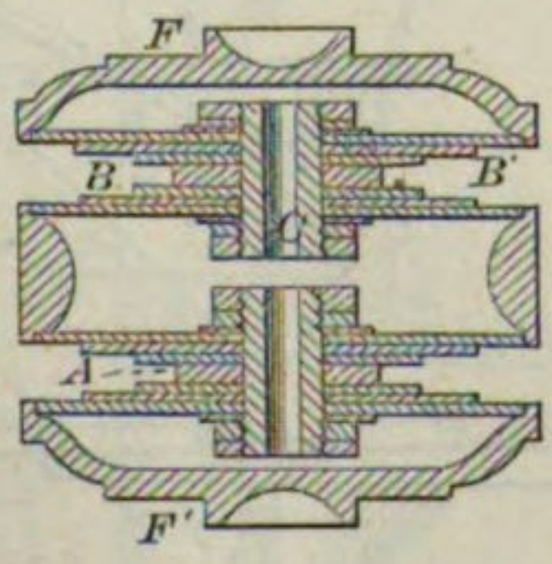
56714—L. T. Conant—*Sewing Machine Guide and Binder.*



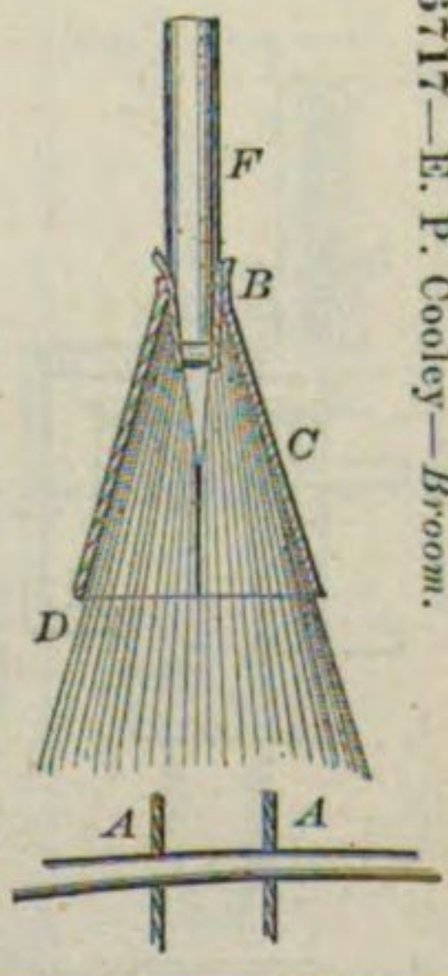
56715—T. P. Conard—*Shaving Case.*



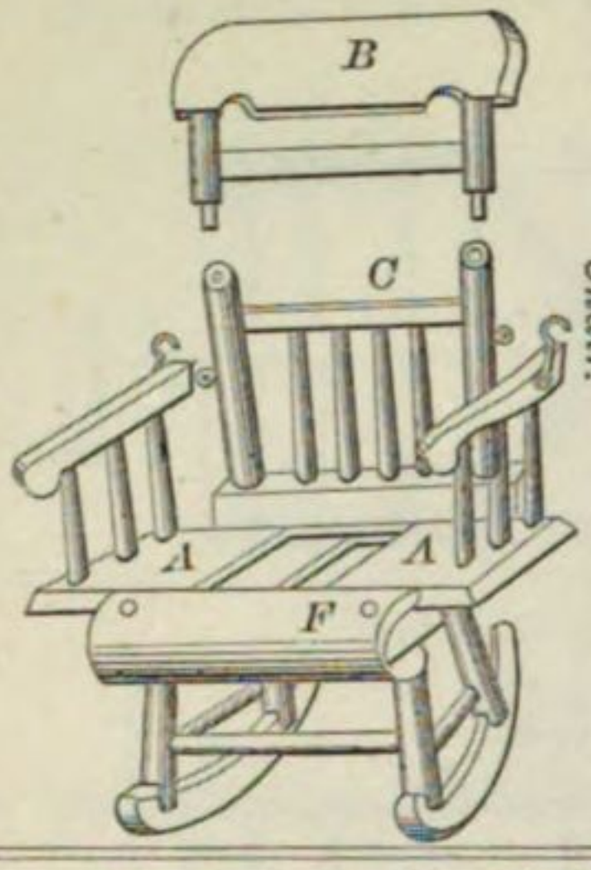
56716—W. F. Converse—*Car Spring.*



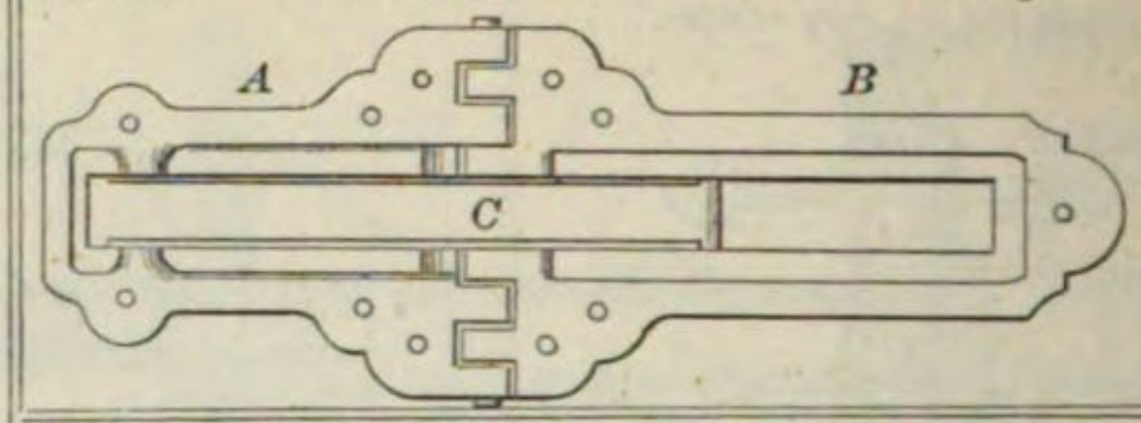
56717—E. P. Cooley—*Broom.*



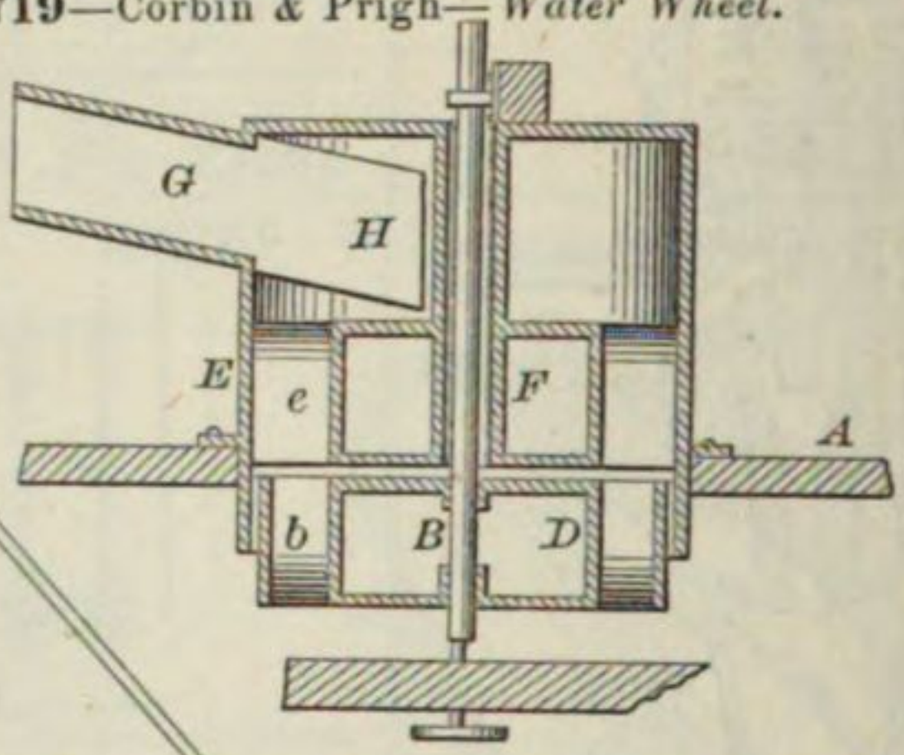
56718—F. E. Coornes—*Cradle and Chair.*



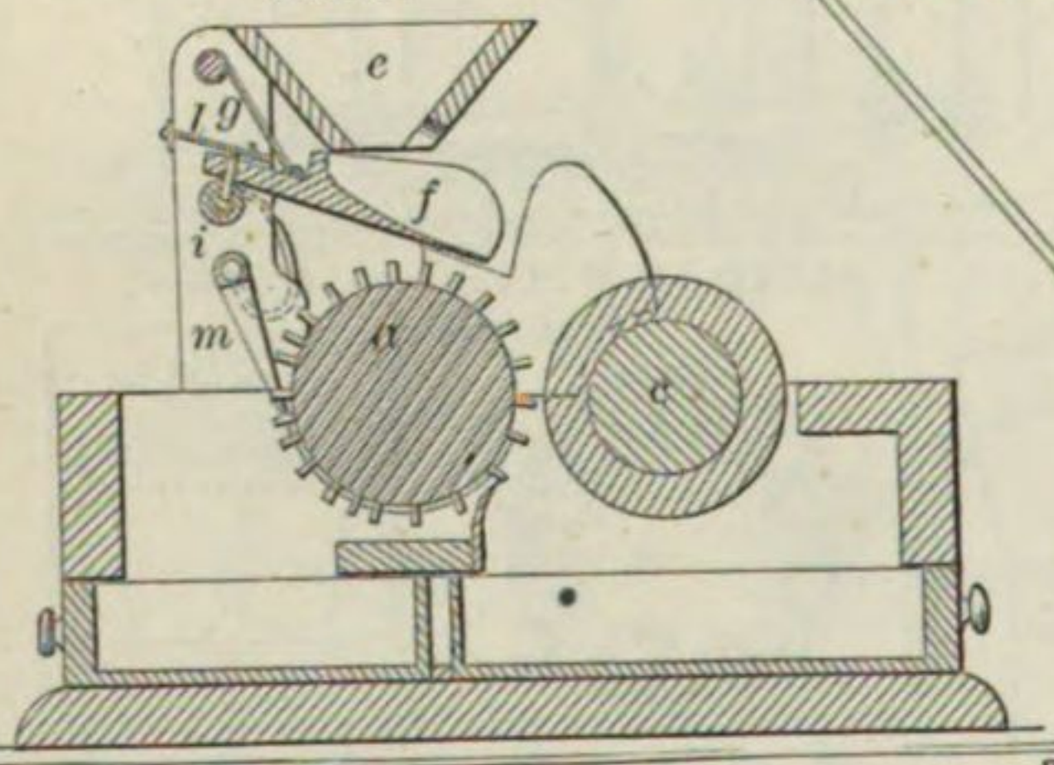
56720—J. J. Cowell—*Trunk Brace and Hinge.*



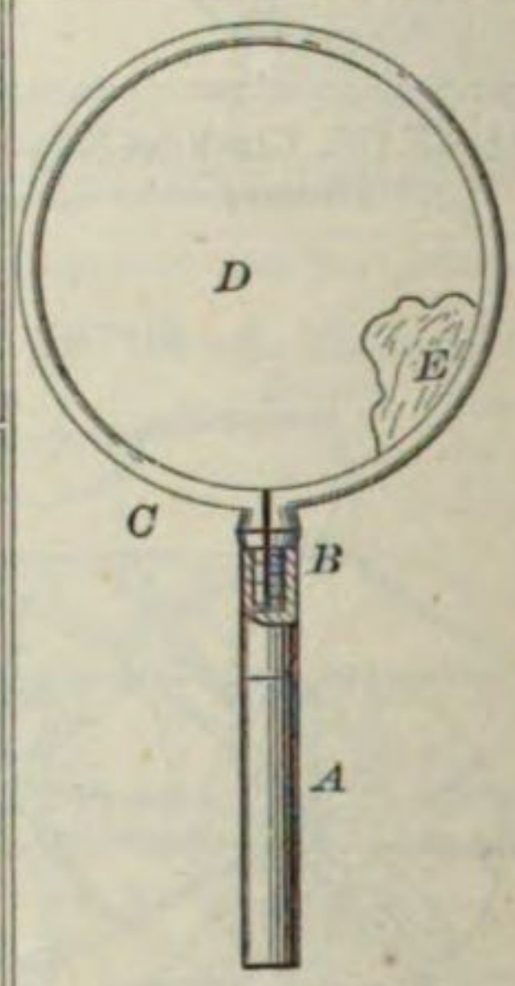
56719—Corbin & Prigh—*Water Wheel.*



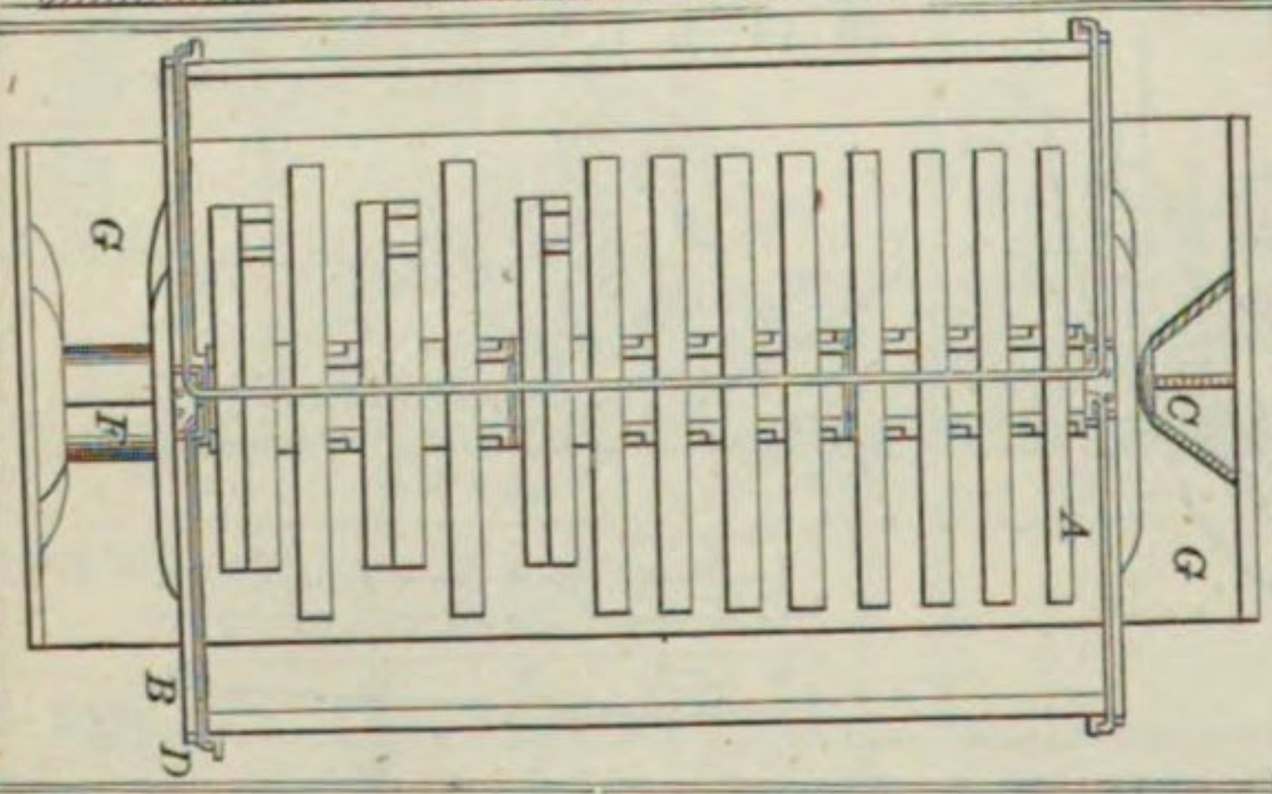
56721—J. B. Crosby—*Raisin Seeder.*



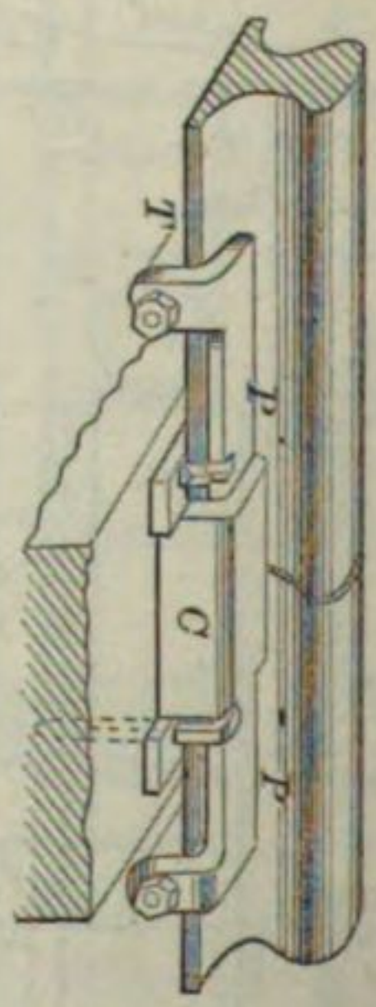
56723—P. A. Dailey—*Mirror.*



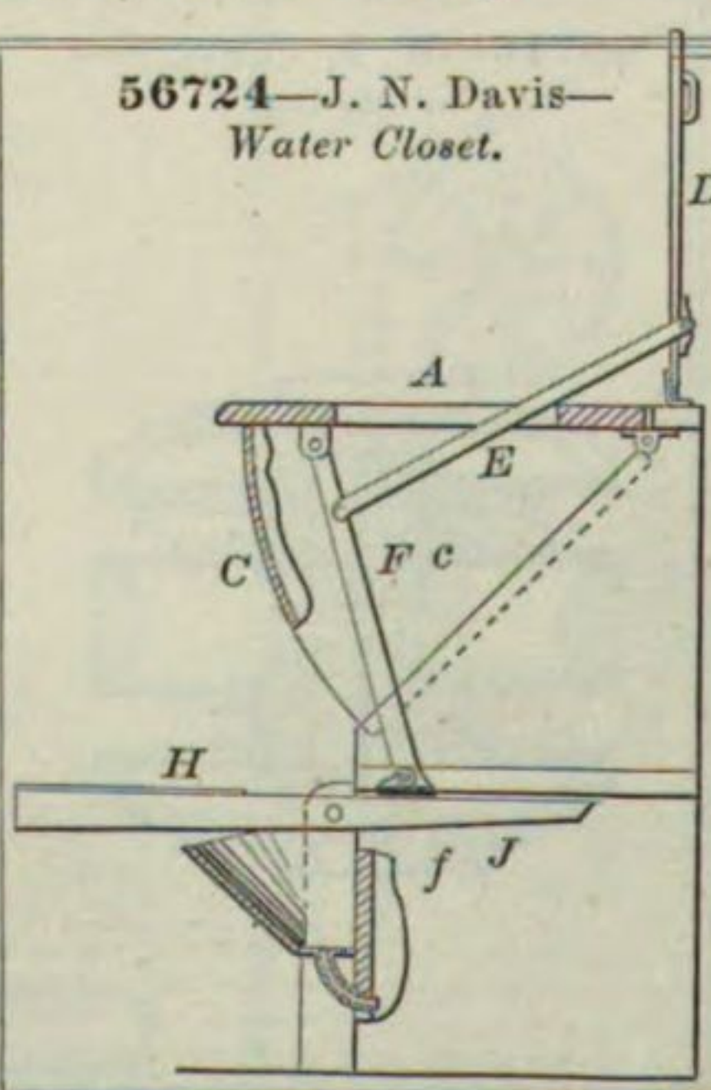
56722—J. G. Cross—*Milk and Cheese Rack.*



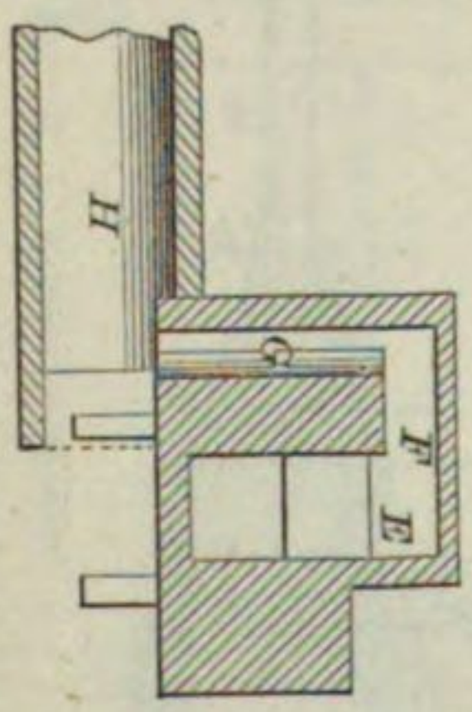
56726—Davis & Hewitt—*Railway Chair.*



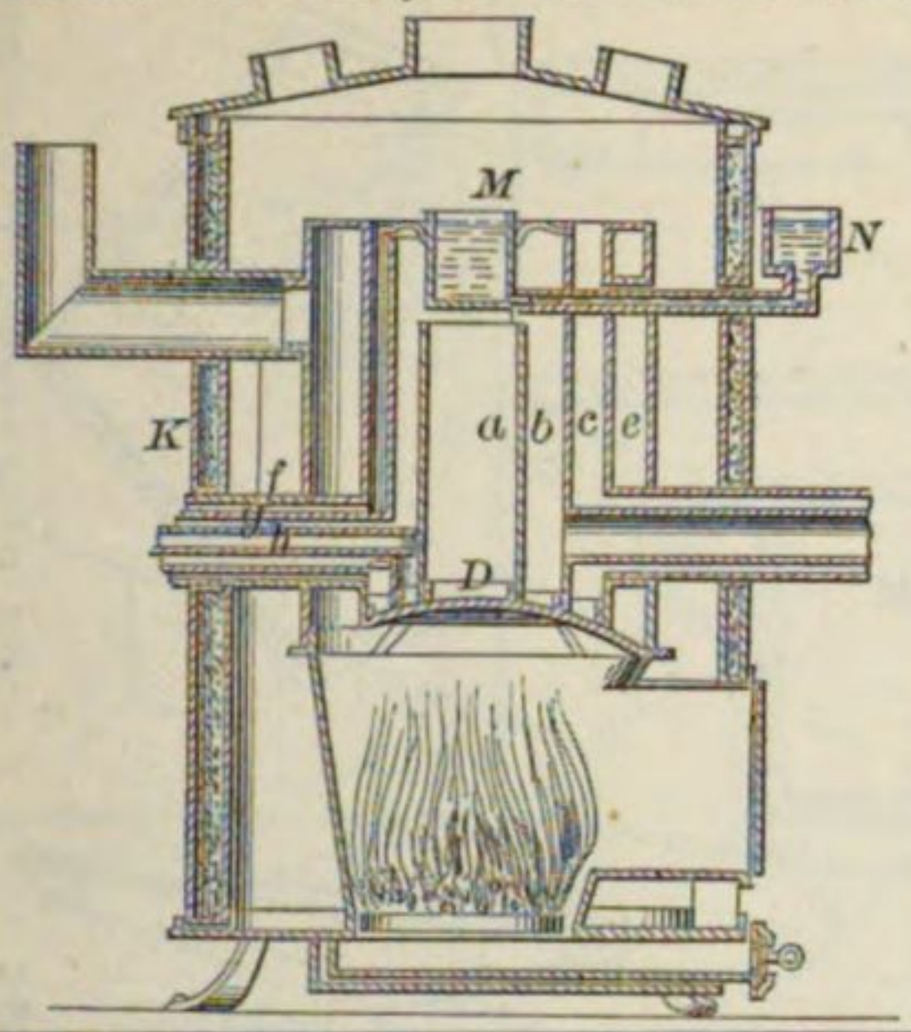
56724—J. N. Davis—*Water Closet.*



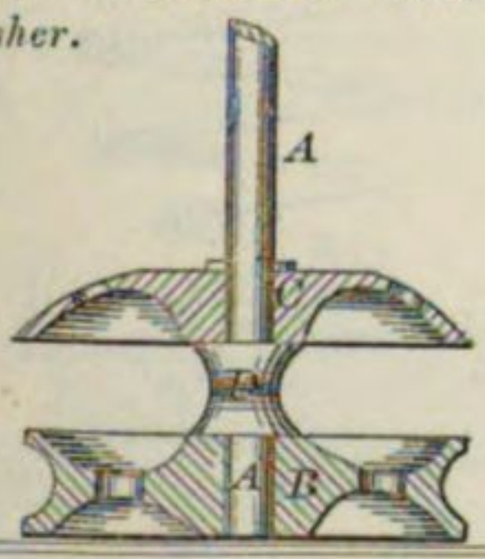
56725—J. Davies—*Copper Smelting Furnace.*



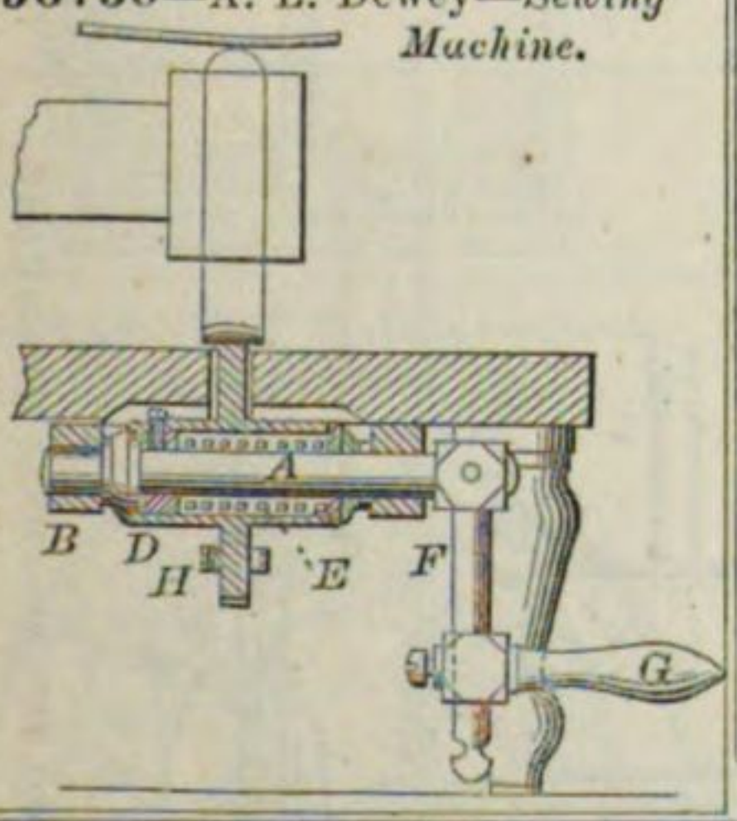
56727—H. G. Dayton—*Hot Air Furnace.*



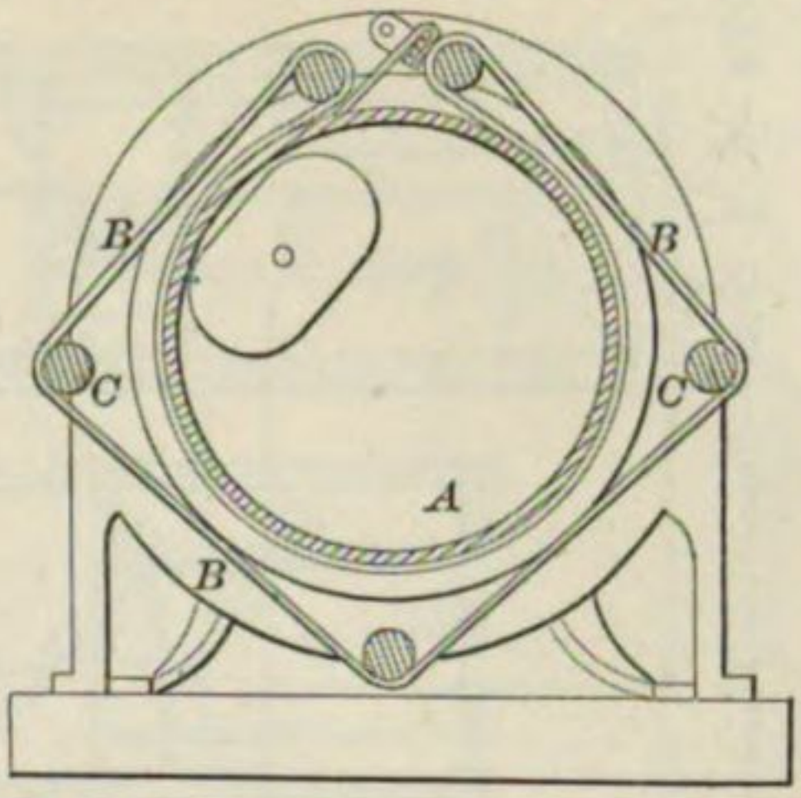
56728—G. Deckman—*Churn Dasher.*



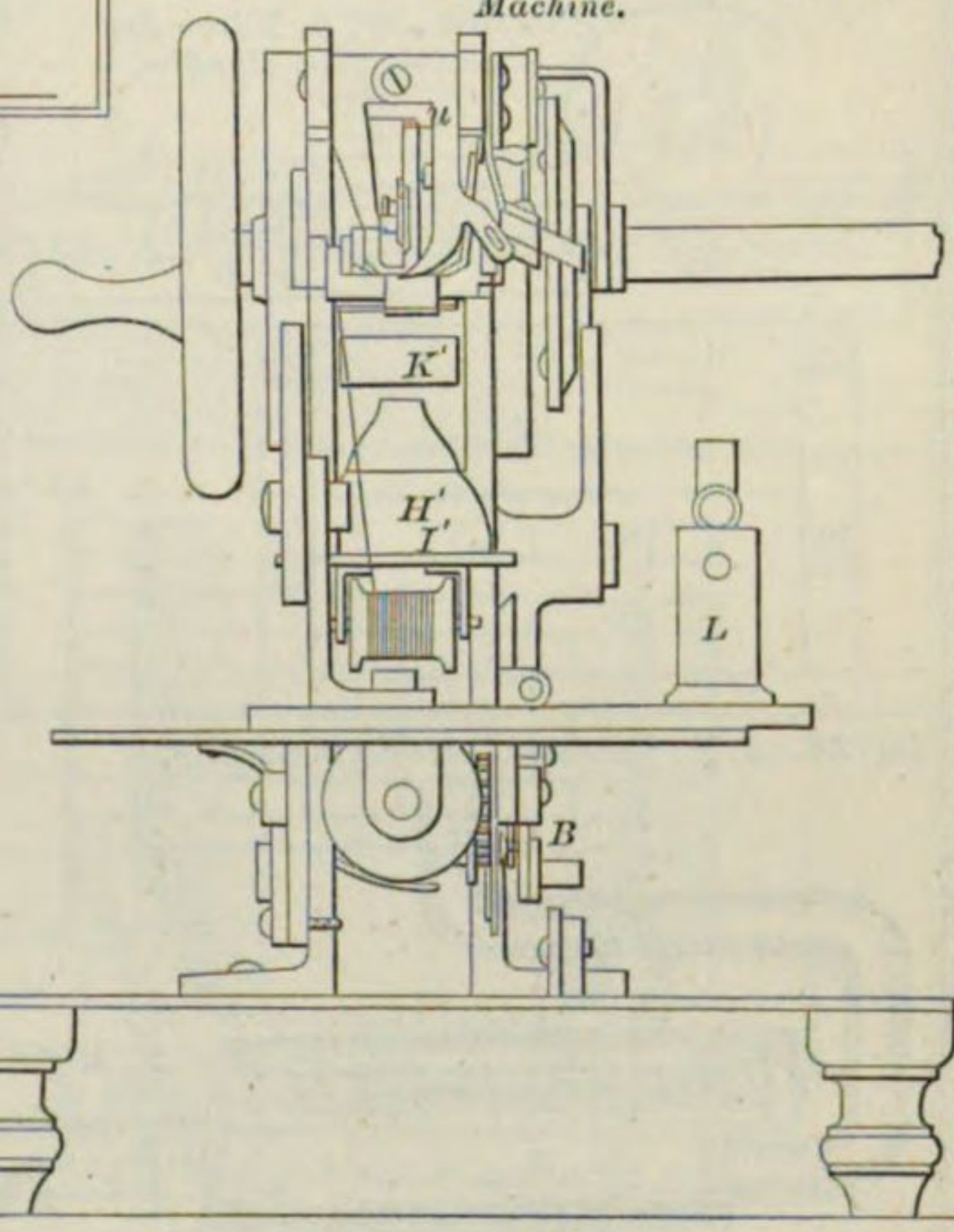
56730—A. L. Dewey—*Sewing Machine.*



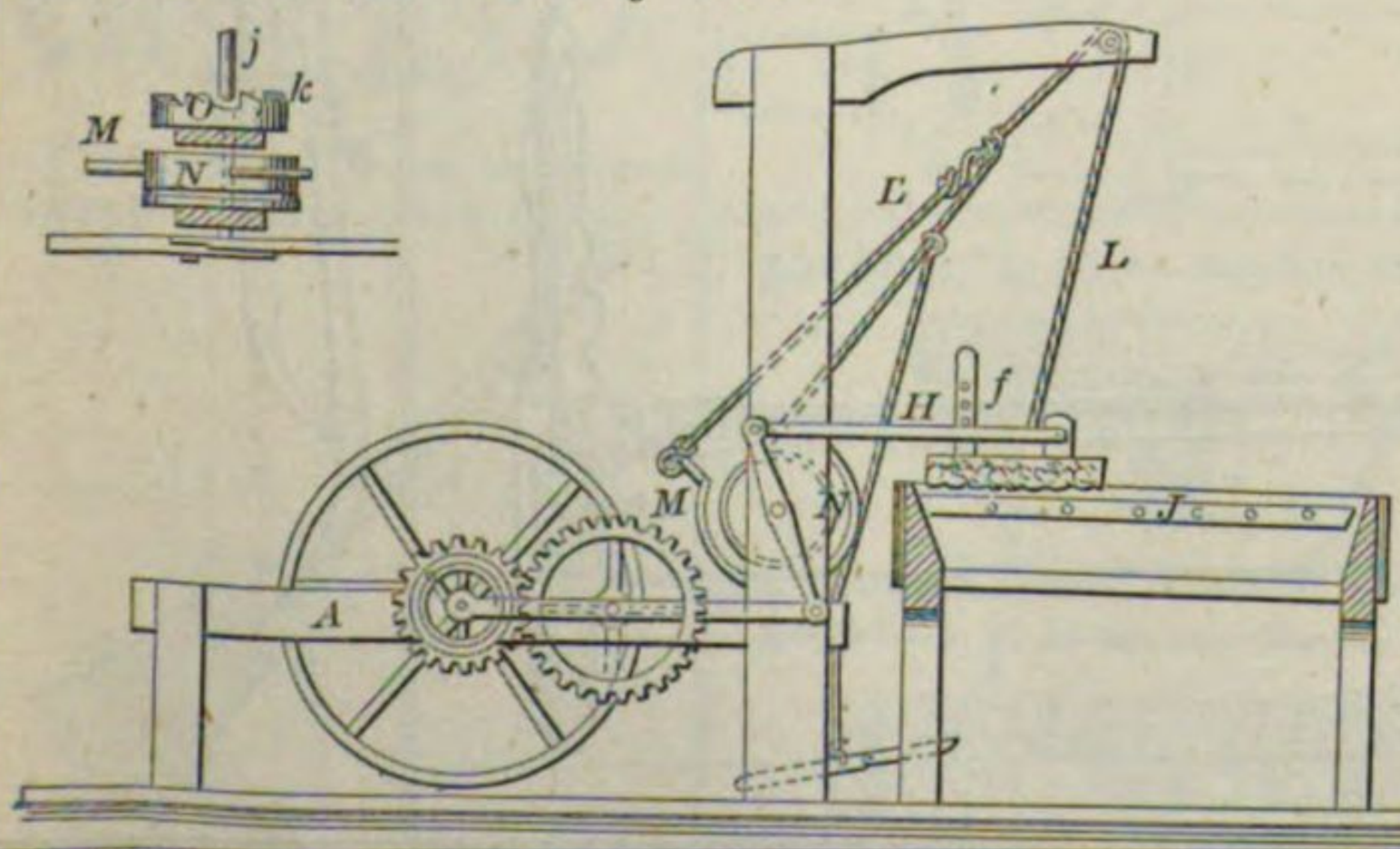
56732—L. Dodge—*Bleaching Paper Pulp.*



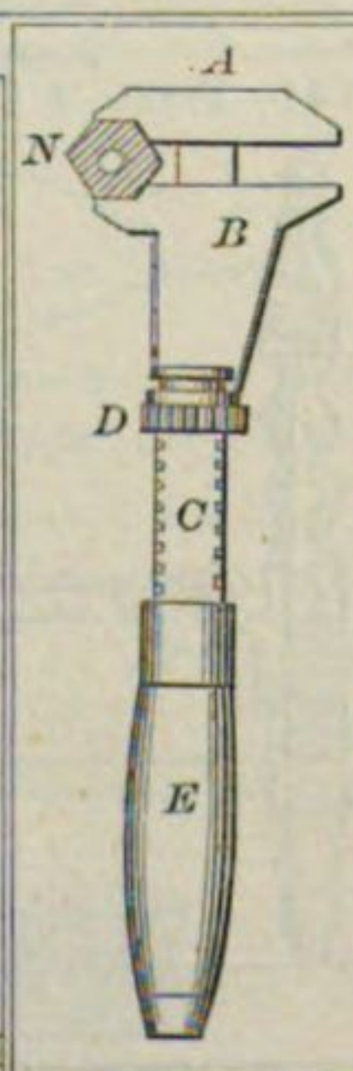
56729—A. Destony—*Boot and Shoe Sewing Machine.*



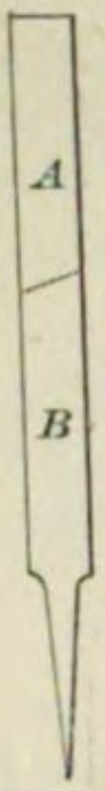
56733—A. L. Drake—*Washing Machine.*



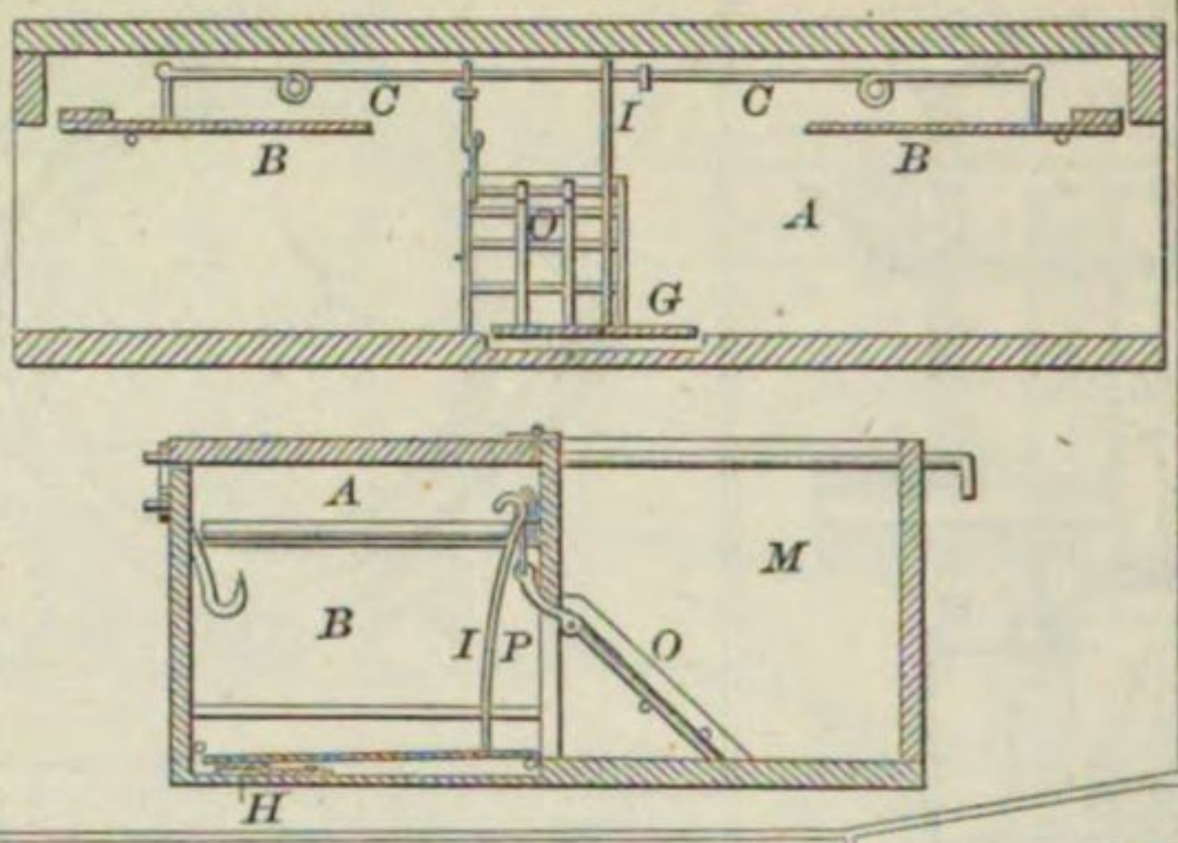
56731—J. F. Dodge—*Wrench.*



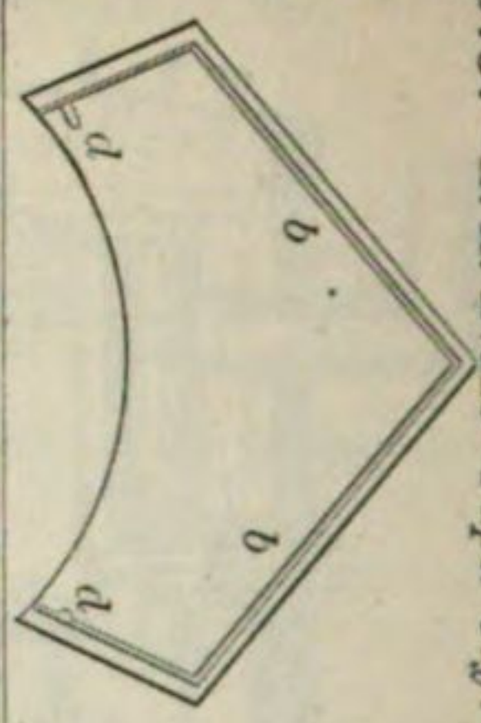
56734—A. A. Dunk—*Repairing Files.*



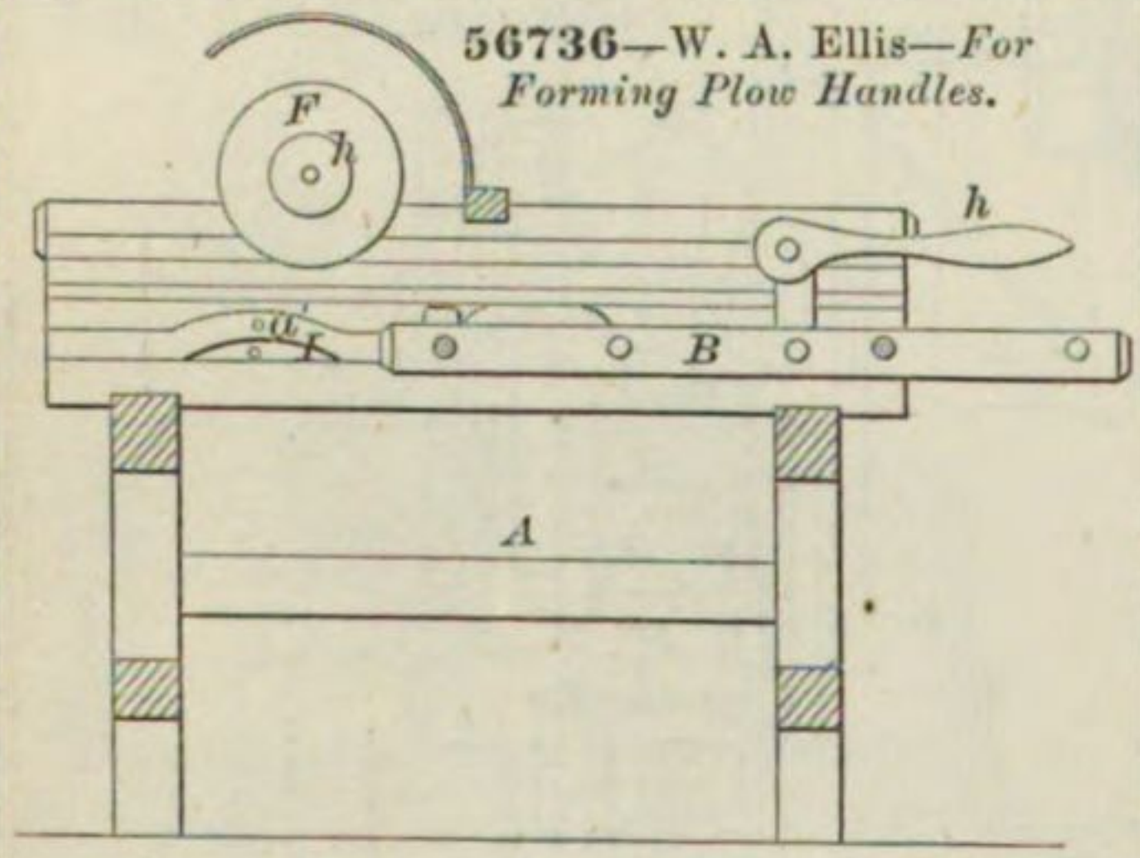
56735—Ellis & Albertson—*Animal Trap.*



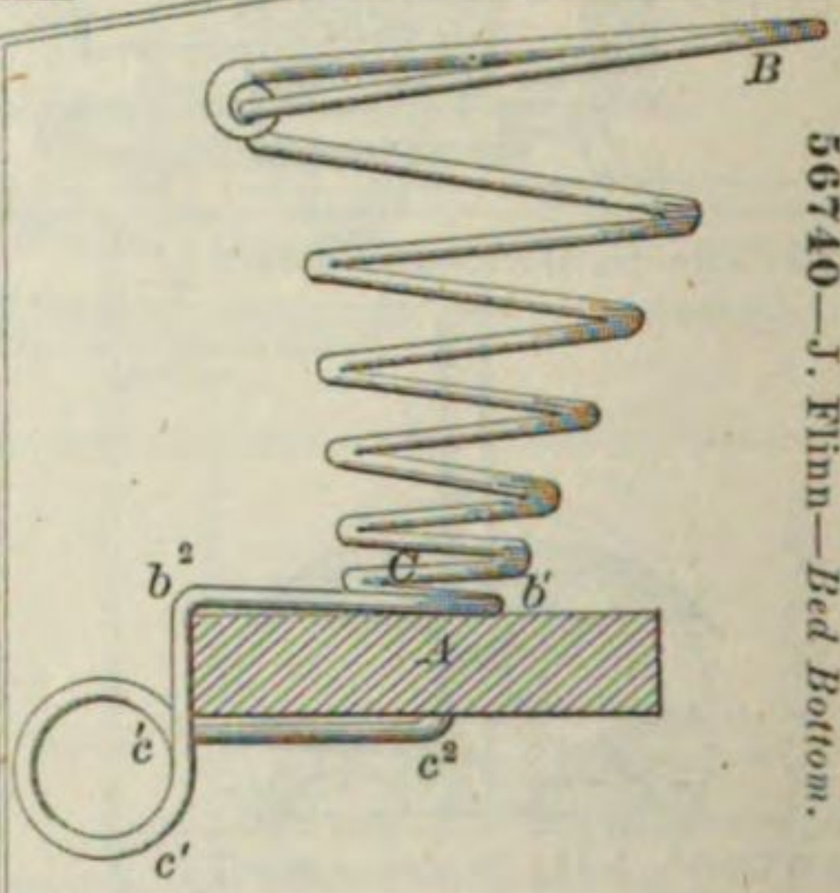
56737—A. A. Evans—*Paper Cuff.*



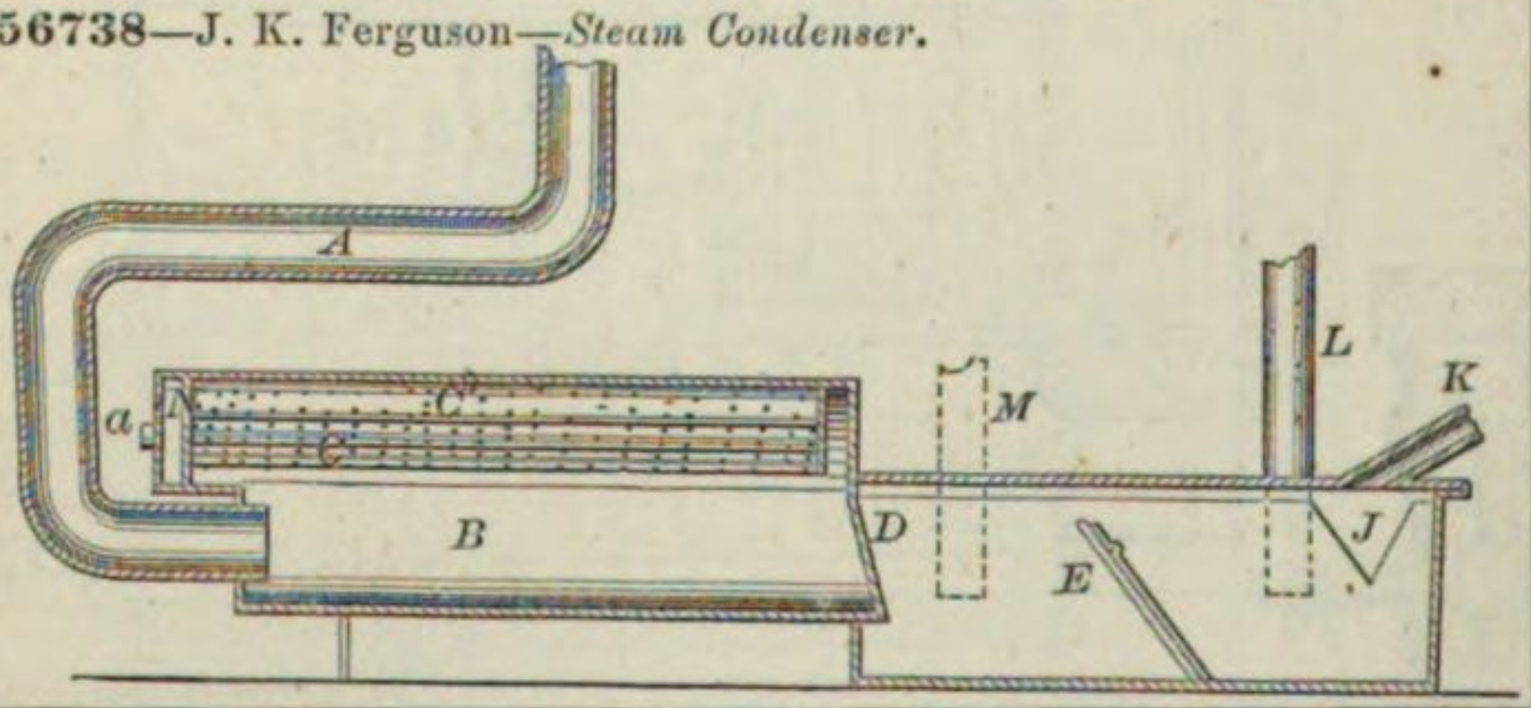
56736—W. A. Ellis—*For Forming Plow Handles.*



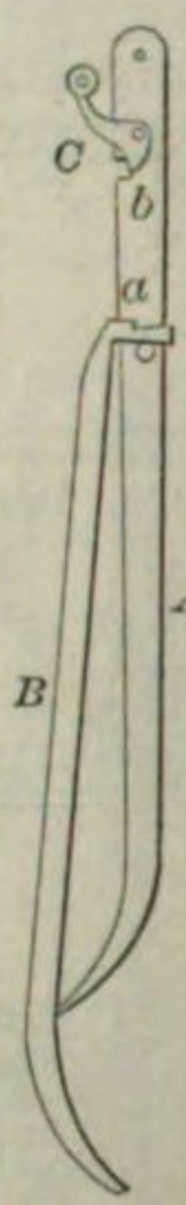
56740—J. Flinn—*Bed Bottom.*



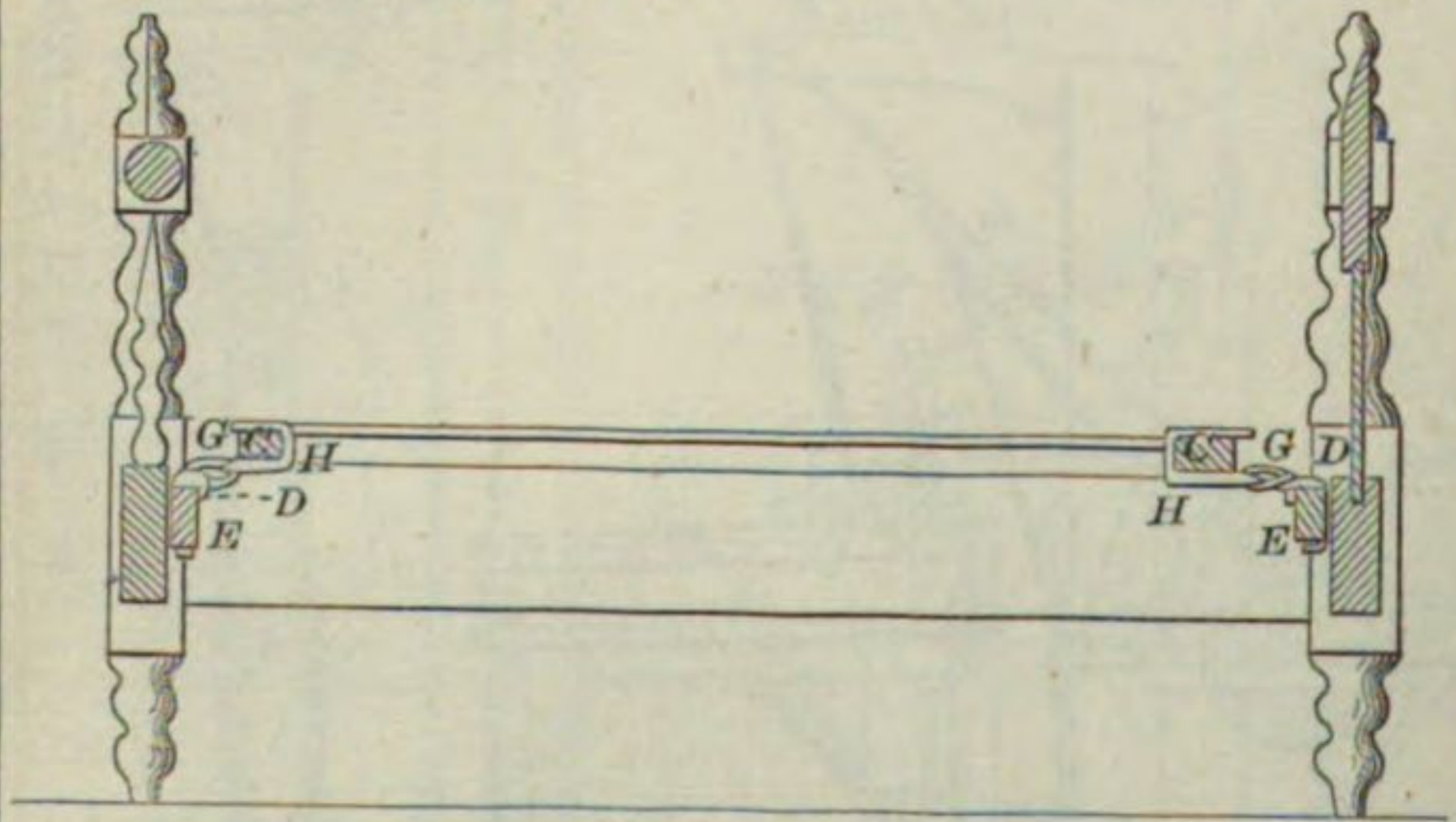
56738—J. K. Ferguson—*Steam Condenser.*



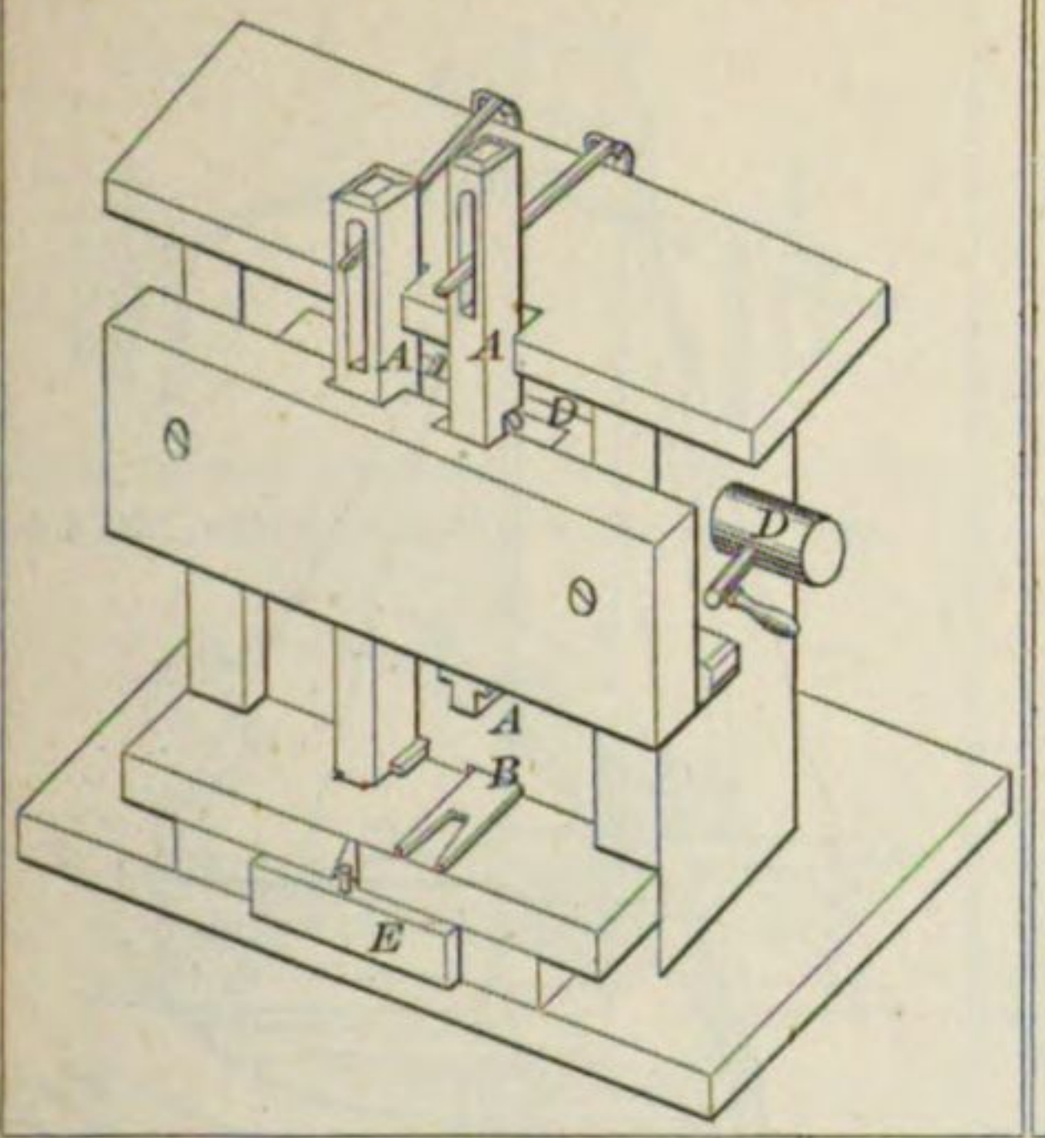
56739—H. Fisher—*Horse Hay Fork.*



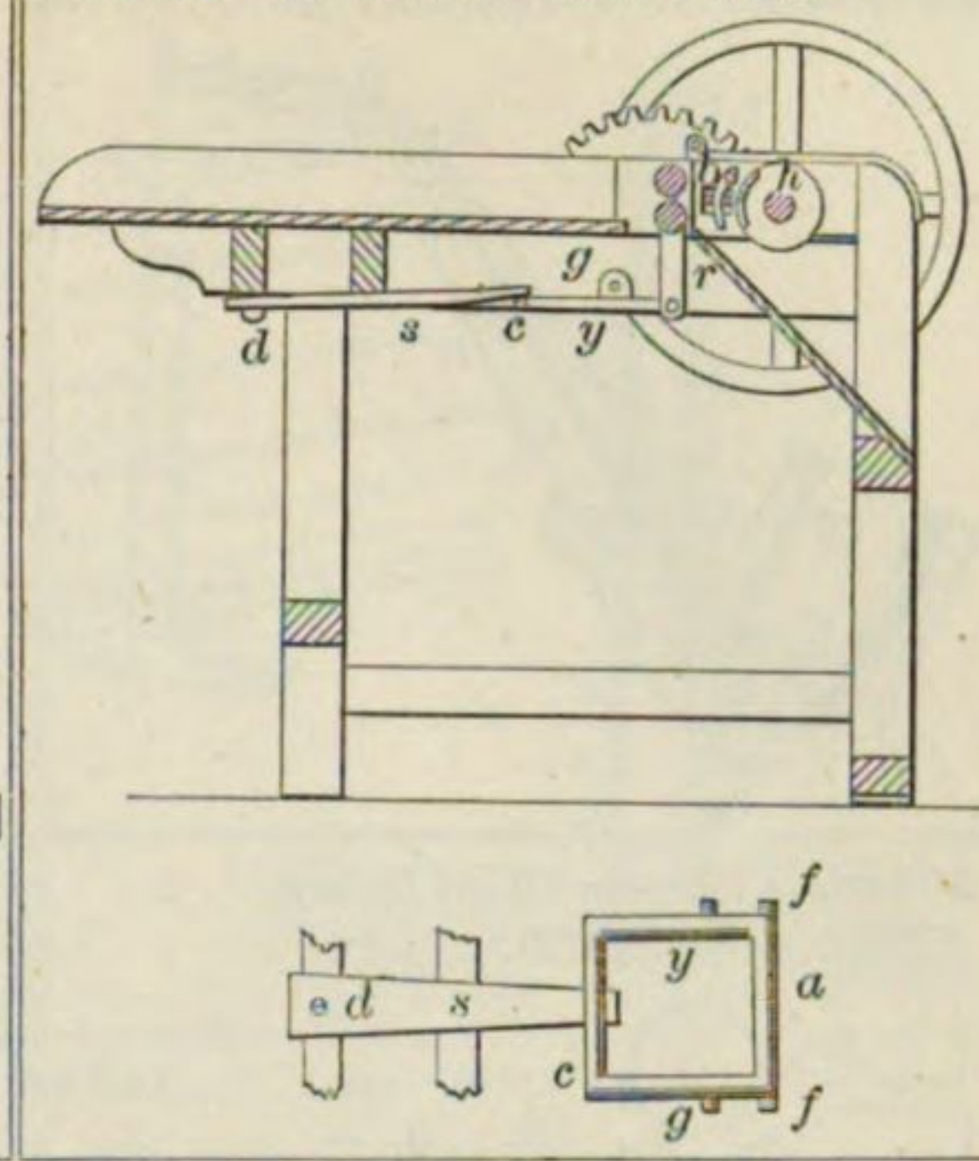
56741—Frazee & Smith—*Bed Bottom.*



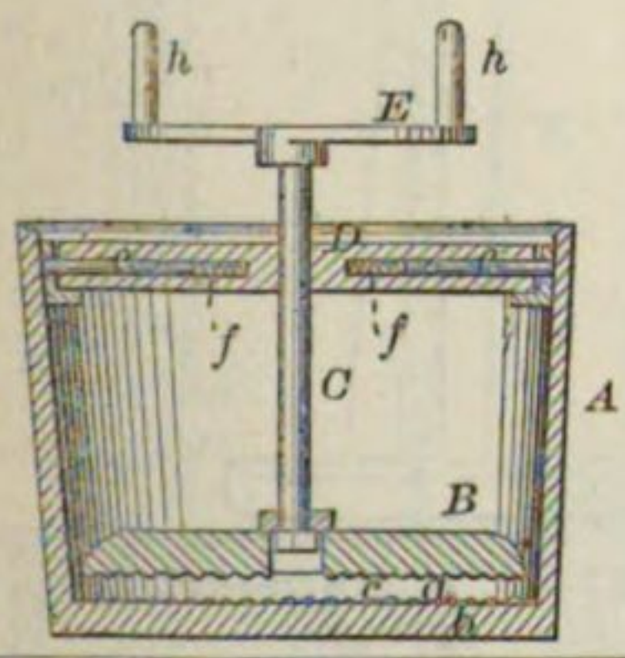
56742—I. H. Garretson—*For Making Brick.*



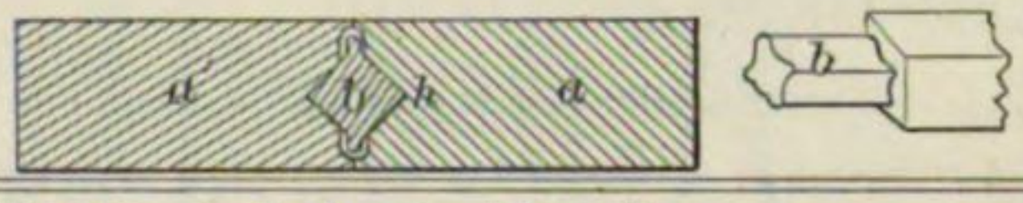
56743—A. Gordon—*Straw Cutter.*



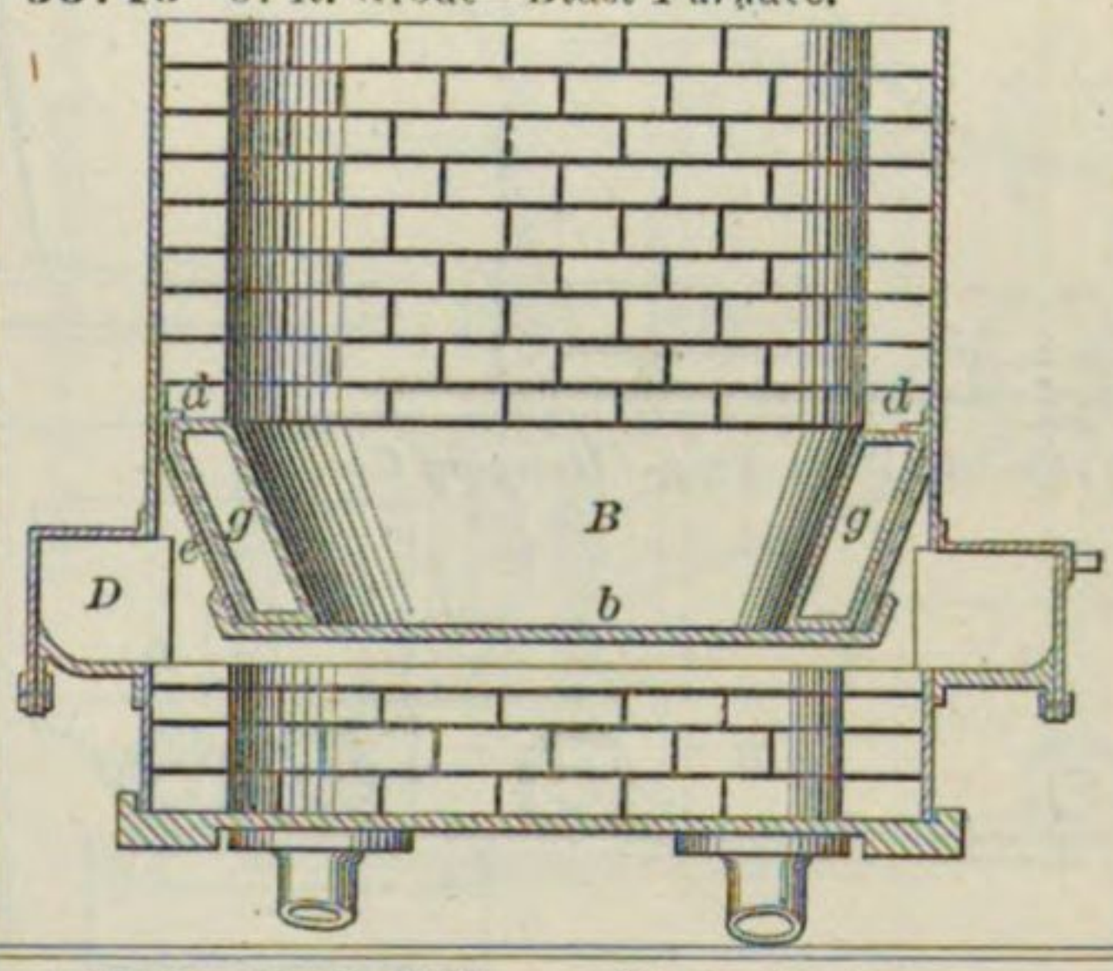
56744—W. Gowen—*Washing Machine.*



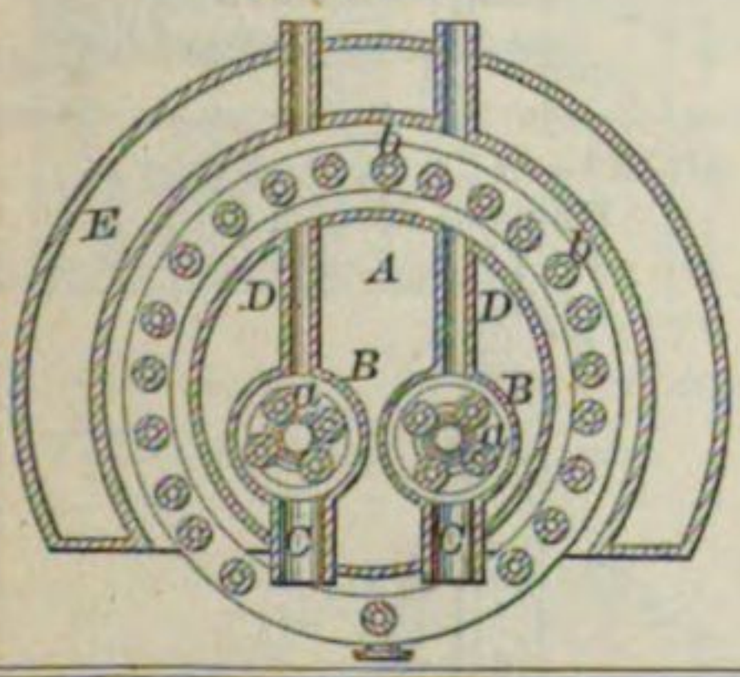
56745—J. Gribben—*Die for Making Bolt Heads.*



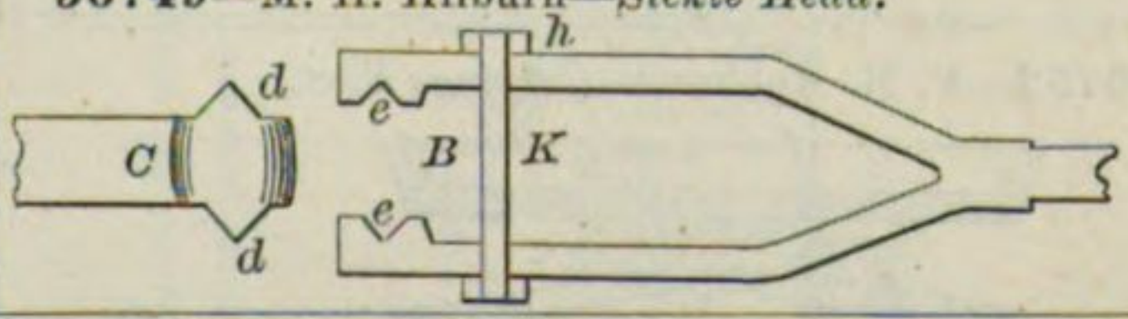
56746—J. R. Grout—*Blast Furnace.*



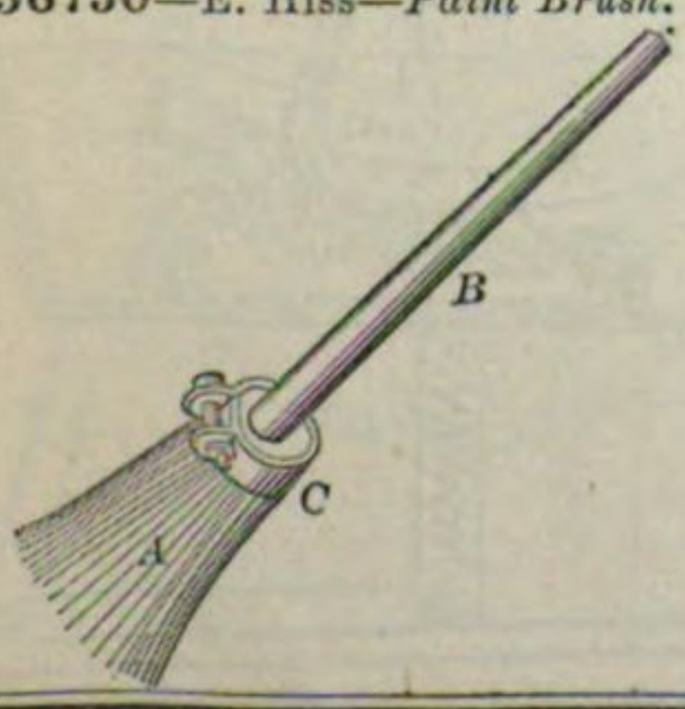
56748—D. G. Haskins—*Steam Generator.*



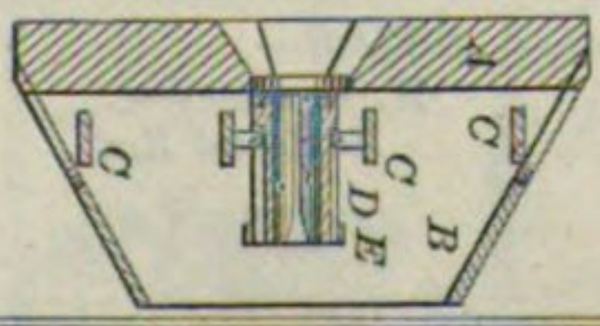
56749—M. H. Hilburn—*Sickle Head.*



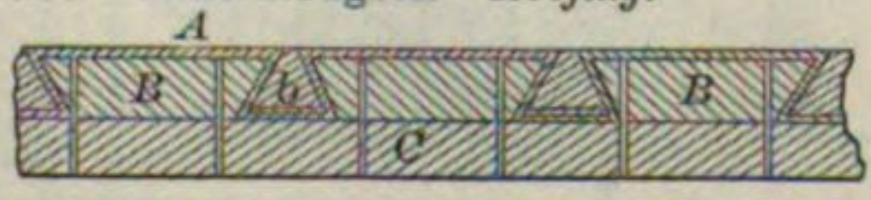
56750—E. Hiss—*Paint Brush.*



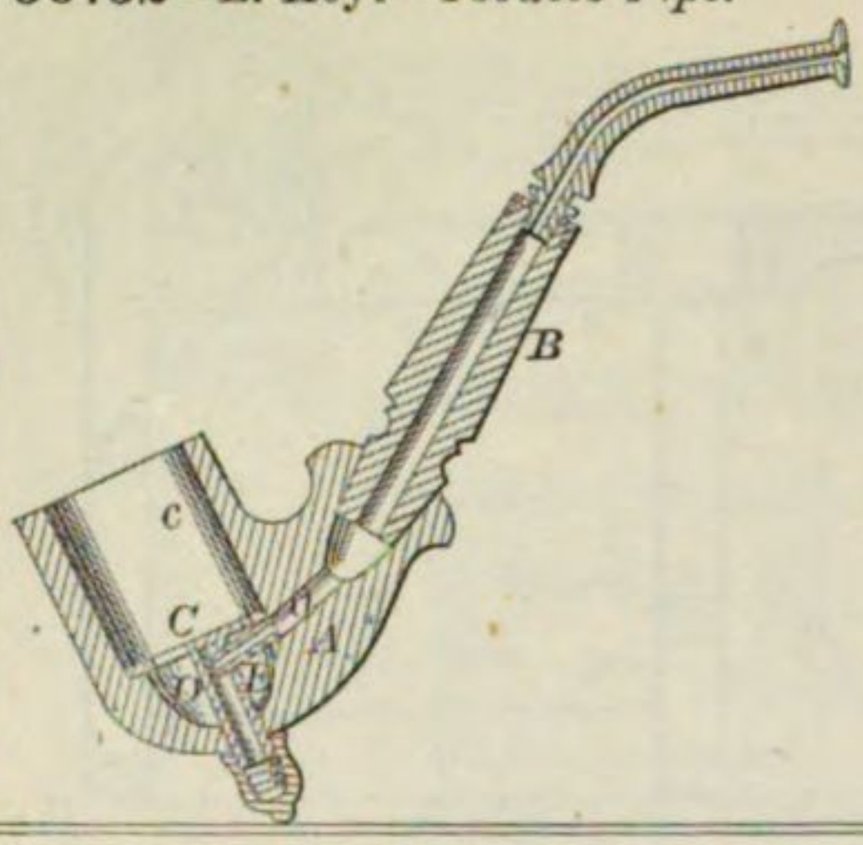
56747—C. L. Hart—*Sorghum Stripper and Cutter.*



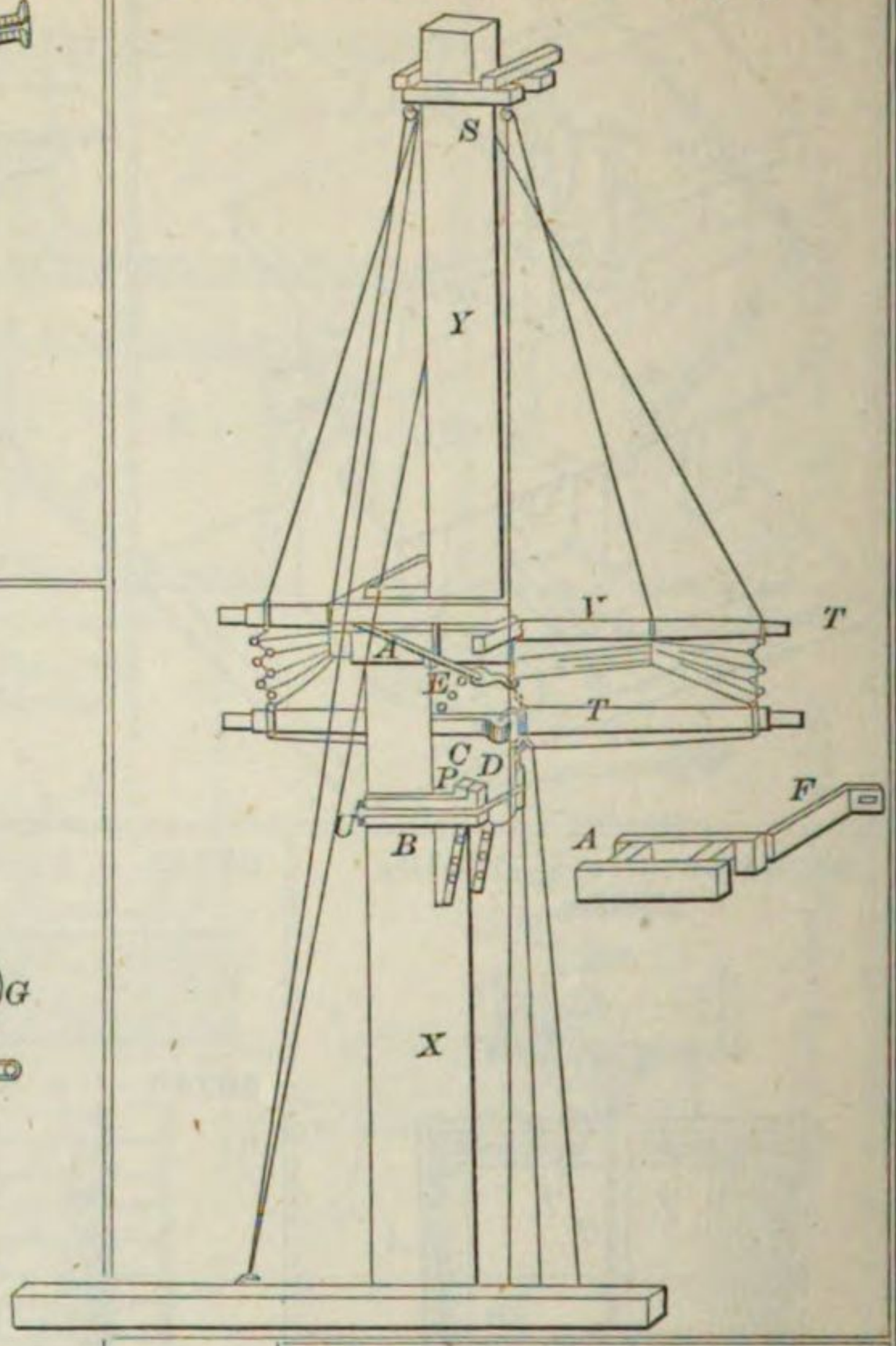
56751—J. F. Hodgson—*Roofing.*



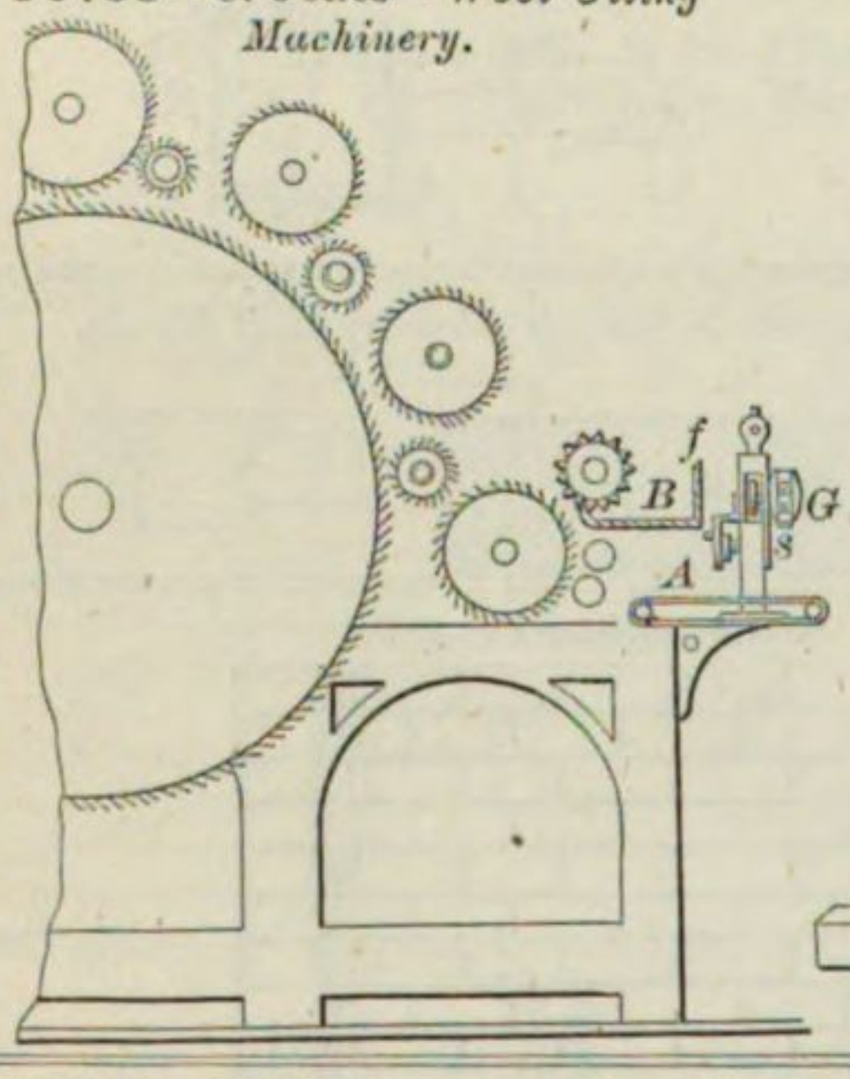
56752—E. Hoyt—*Tobacco Pipe.*



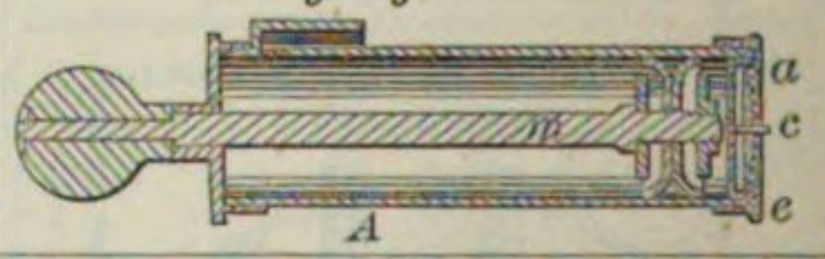
56754—J. M. Hudson—*Vessel Rigging.*



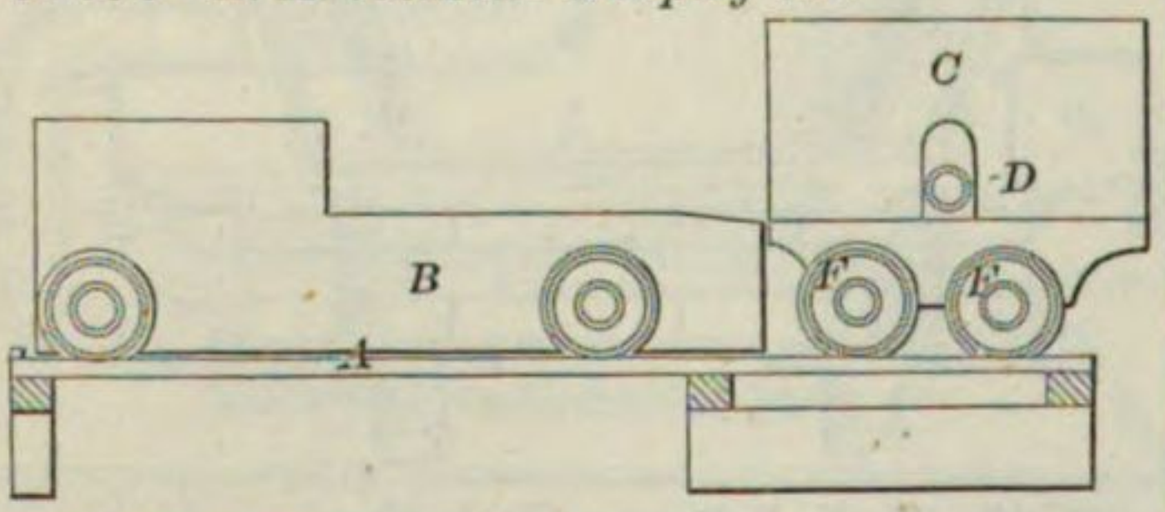
56758—C. Jones—*Wool Oiling Machinery.*



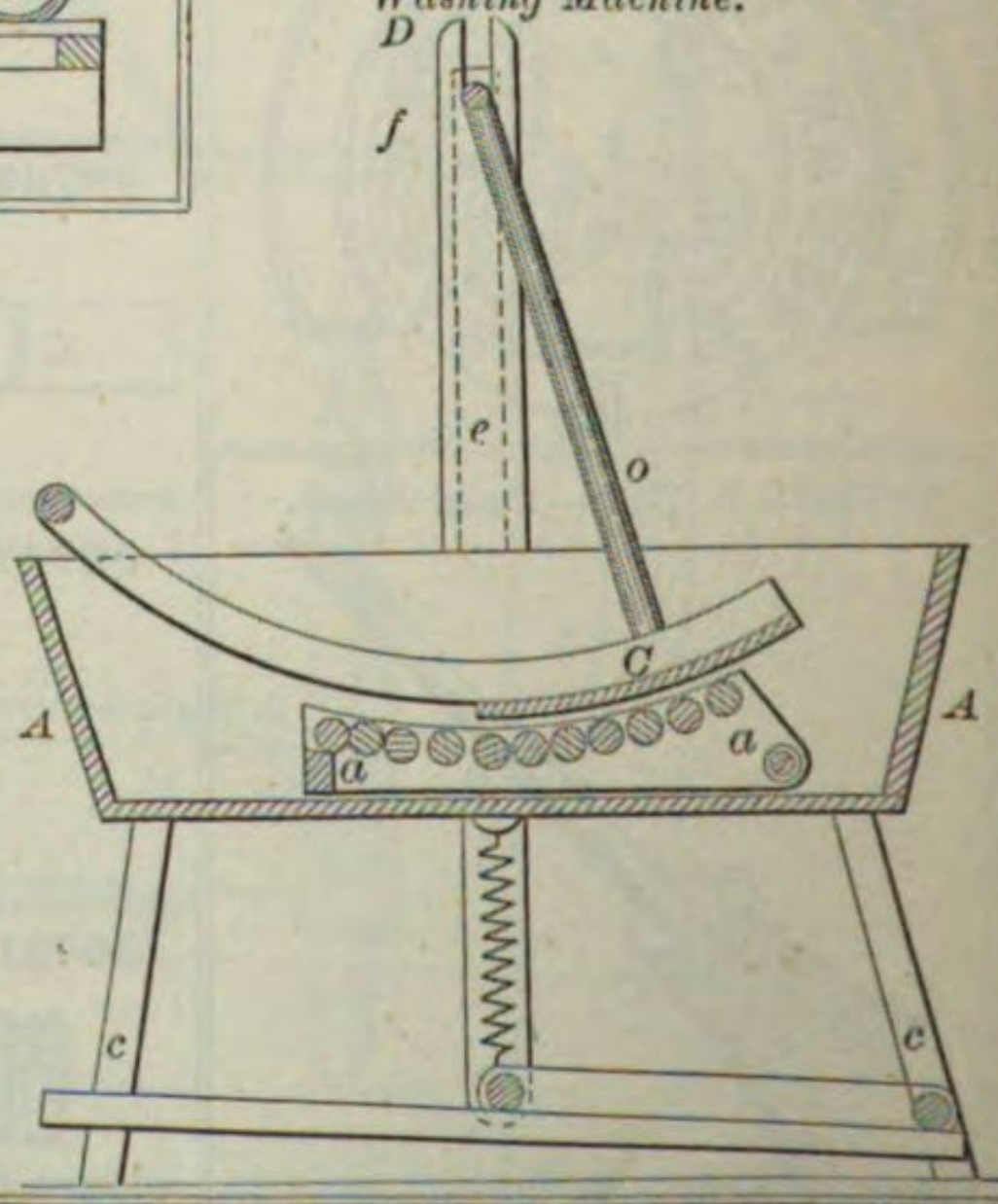
56757—A. L. Jewell—*Garden Syringe.*



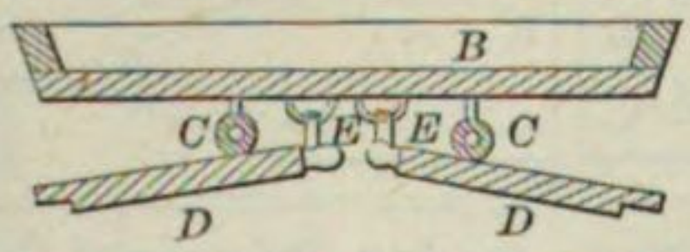
56756—E. H. Jackson—*Dumping Car.*



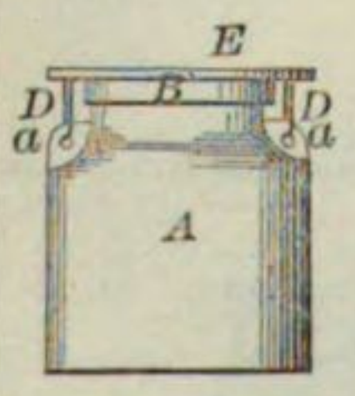
56761—W. & A. G. Kelsey—*Washing Machine.*



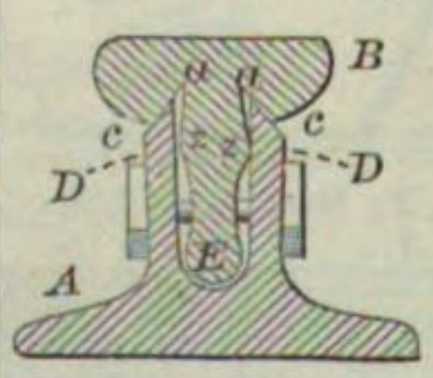
56753—F. M. Hubbard—*Carriage Seat.*



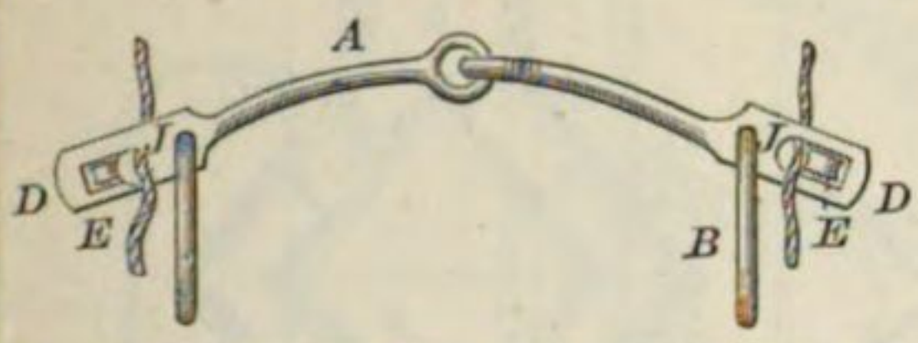
56755—W. Hunt—*Fruit Jar.*



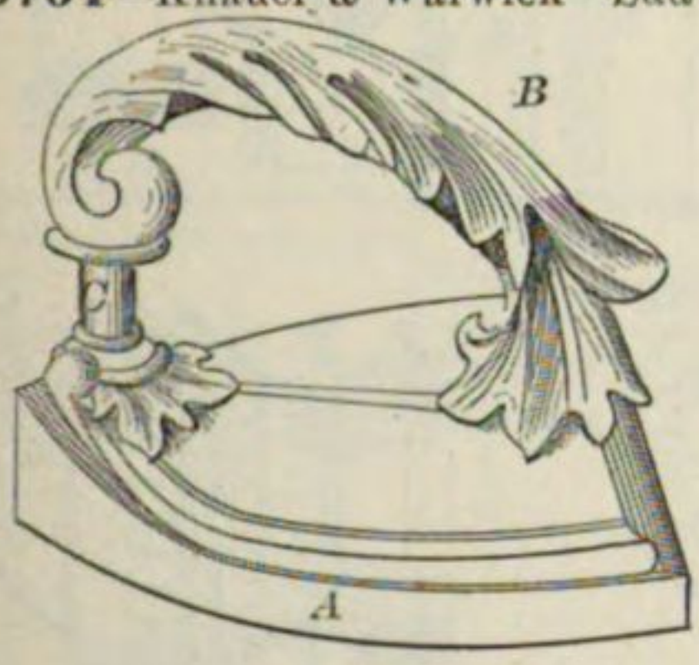
56760—R. V. Jones—*Railroad Rail.*



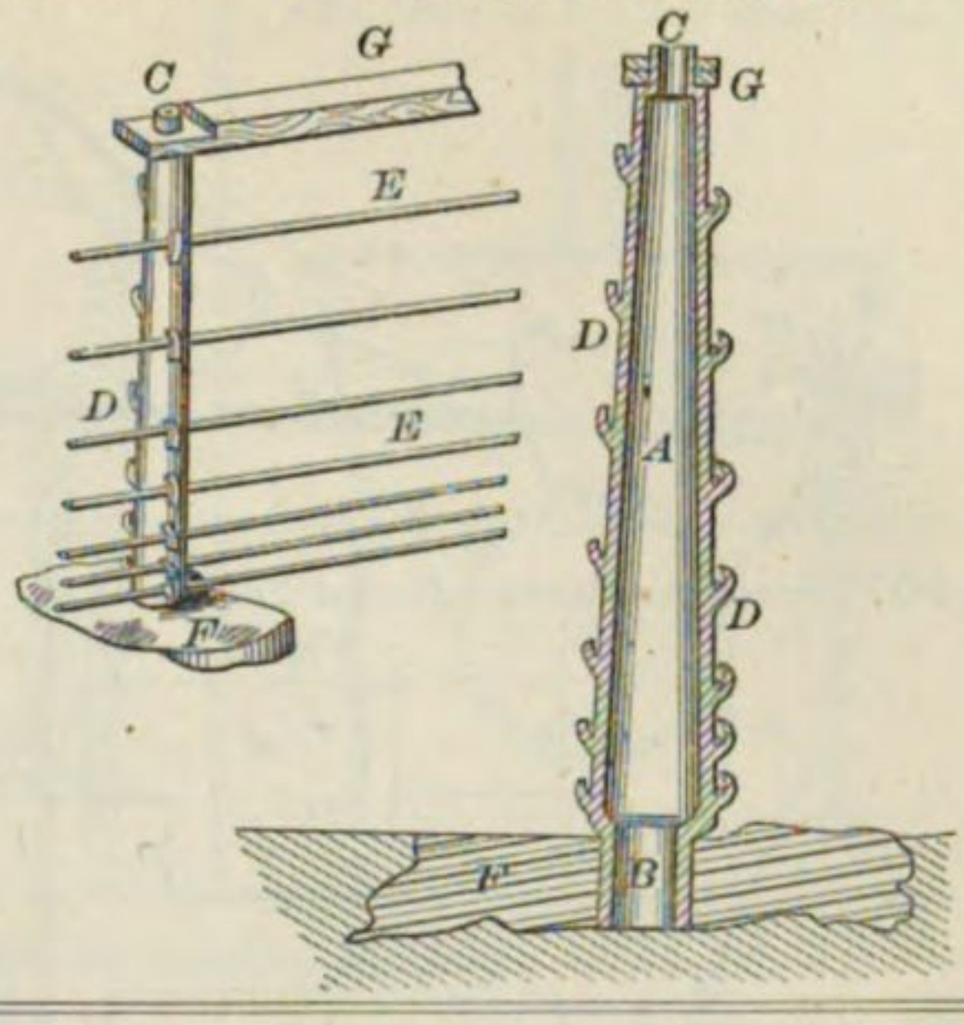
56762—S. M. King—*Bridle Bit.*



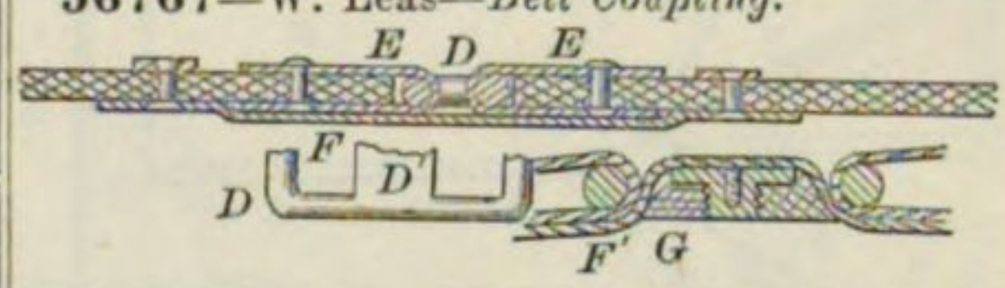
56764—Knauer & Warwick—*Sad Iron.*



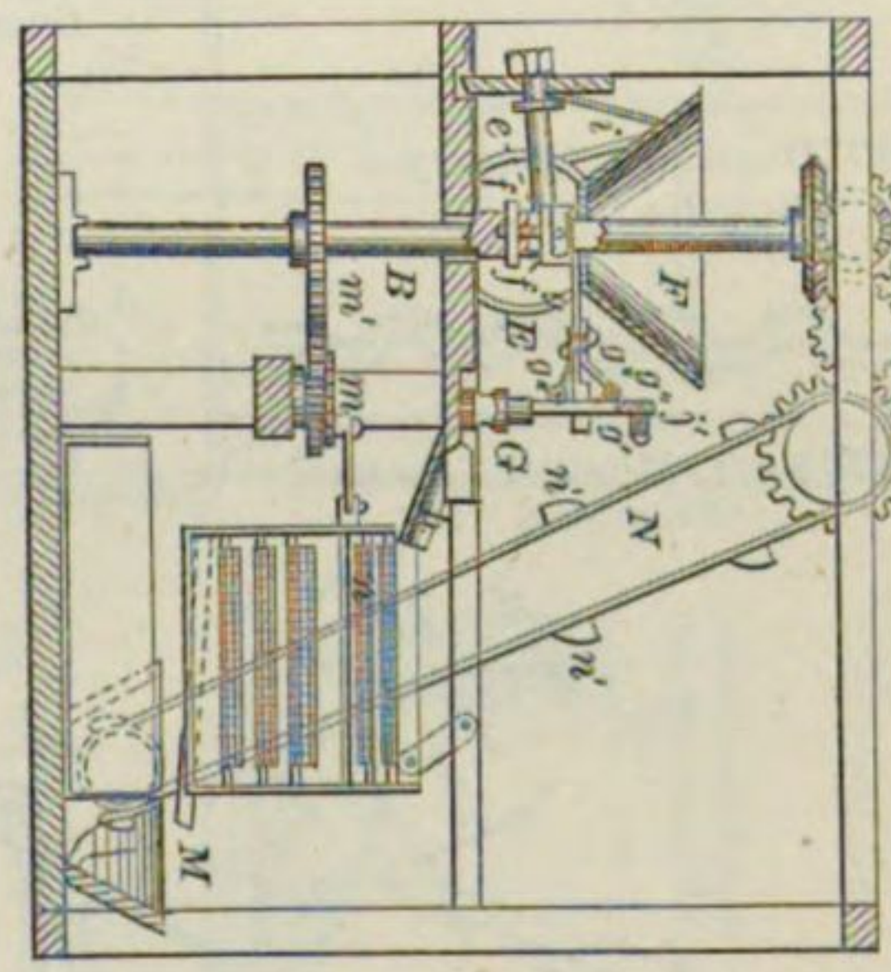
56766—J. W. Larmore—*Field Fence.*



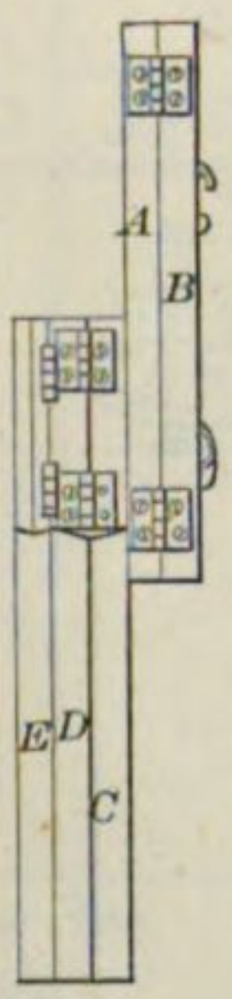
56767—W. Leas—*Belt Coupling.*



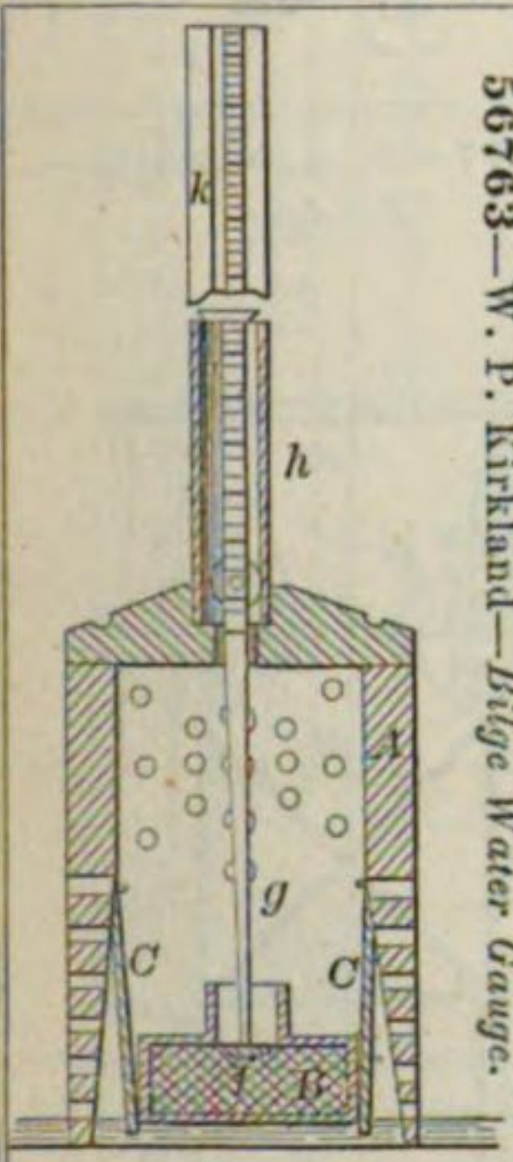
56768—A. Lindsay—*Quartz Crusher.*



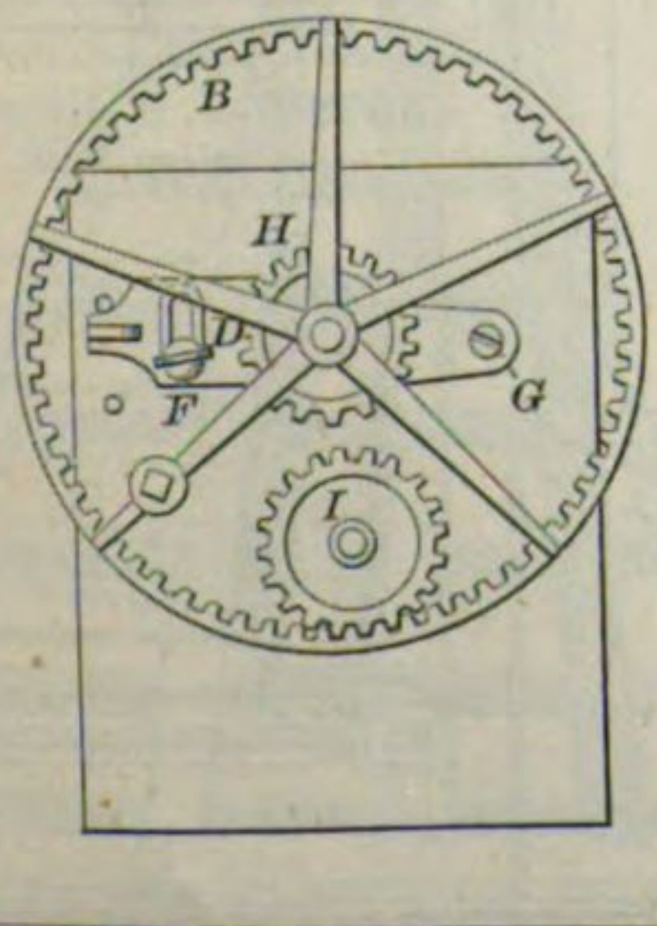
56769—H. Lothrop—*Table and Stool.*



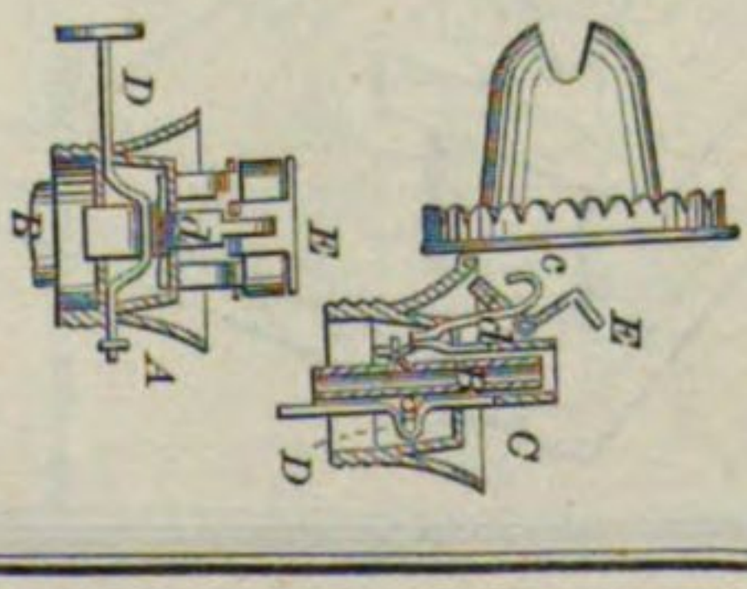
56763—W. P. Kirkland—*Bilge Water Gauge.*



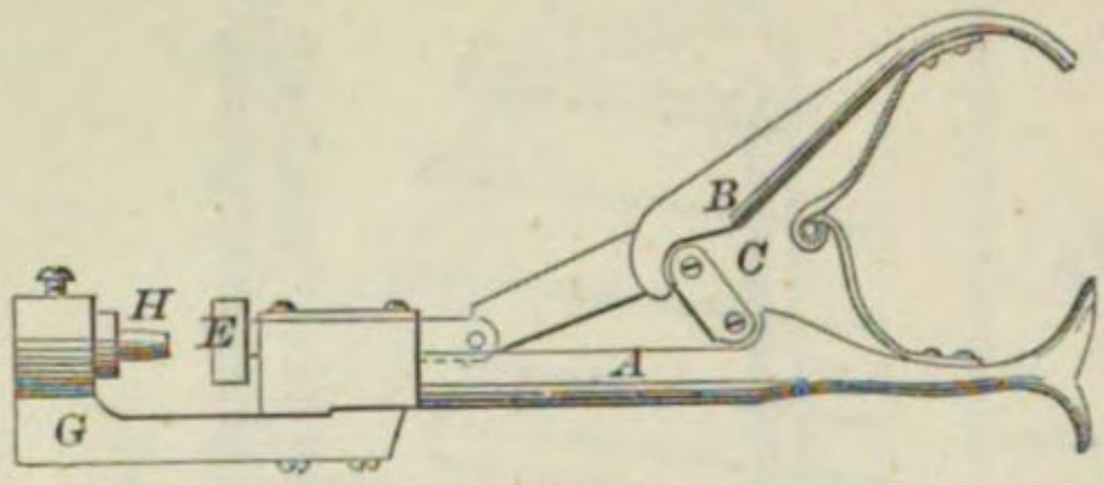
56771—A. E. Mason—*Churn.*



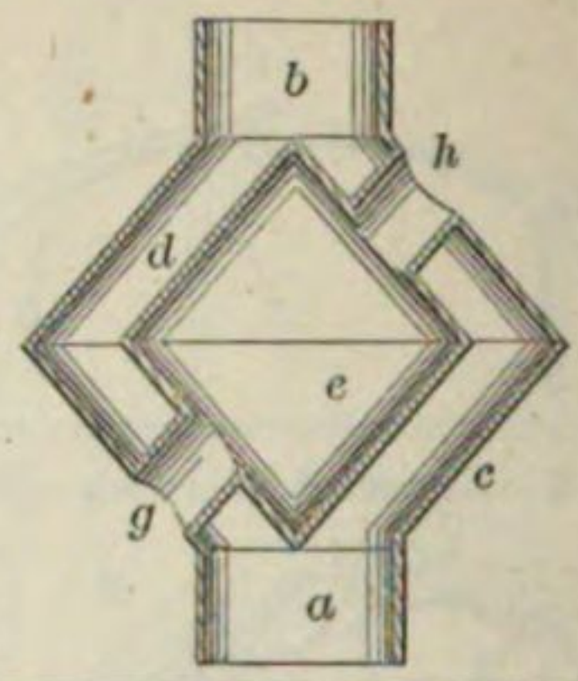
56770—C. E. Lyon—*Lamp Extinguisher and Regulator.*



56772—W. B. Mason—*Punch, Shears, &c.*

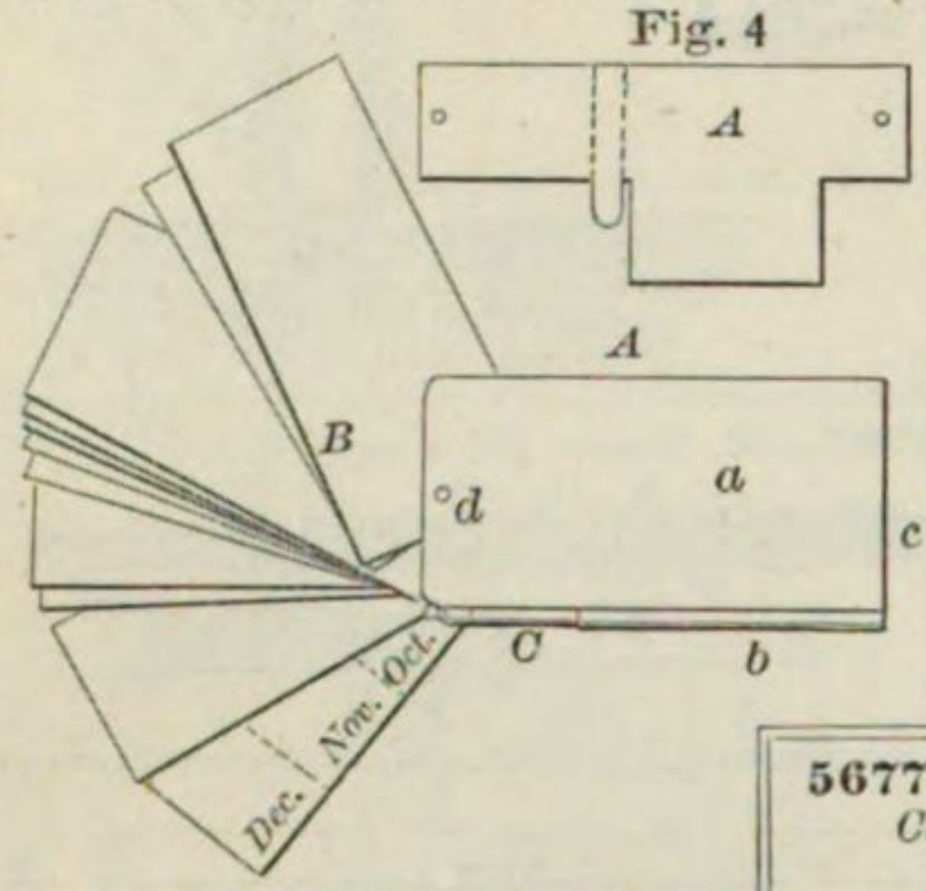


56774—B. F. Miller—*Stove Pipe Drum.*

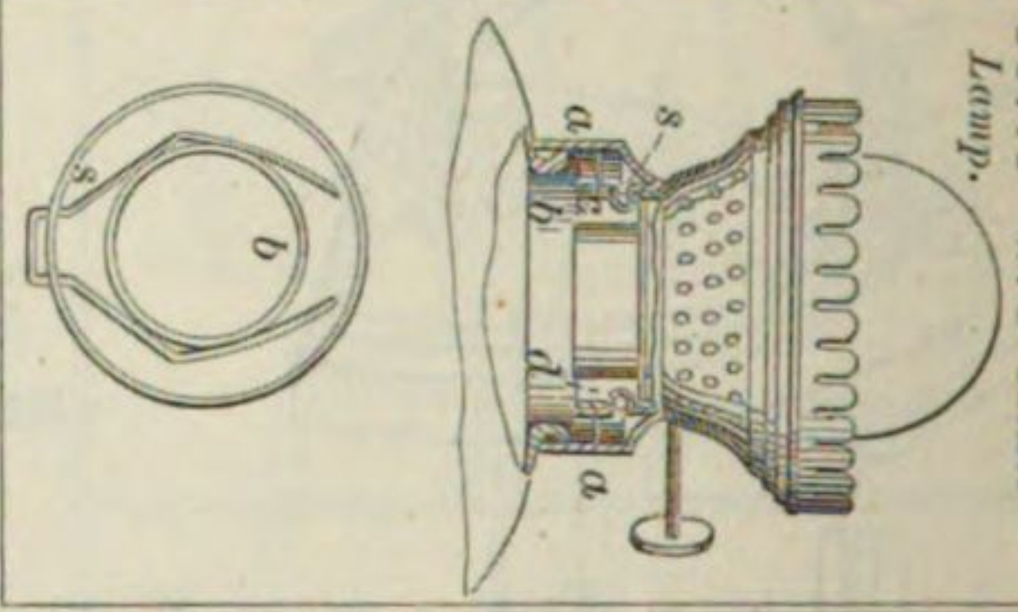


56776—J. A. Minor—*Pocket Tablet.*

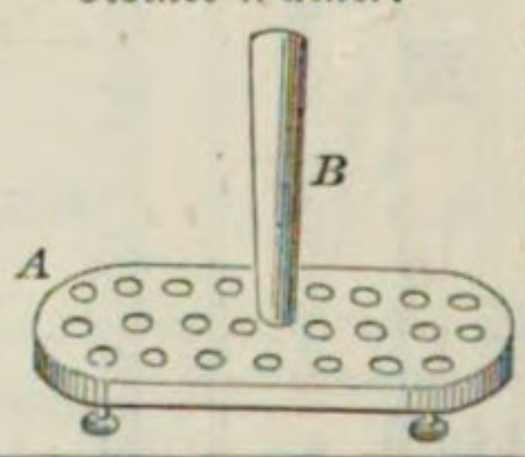
Fig. 4



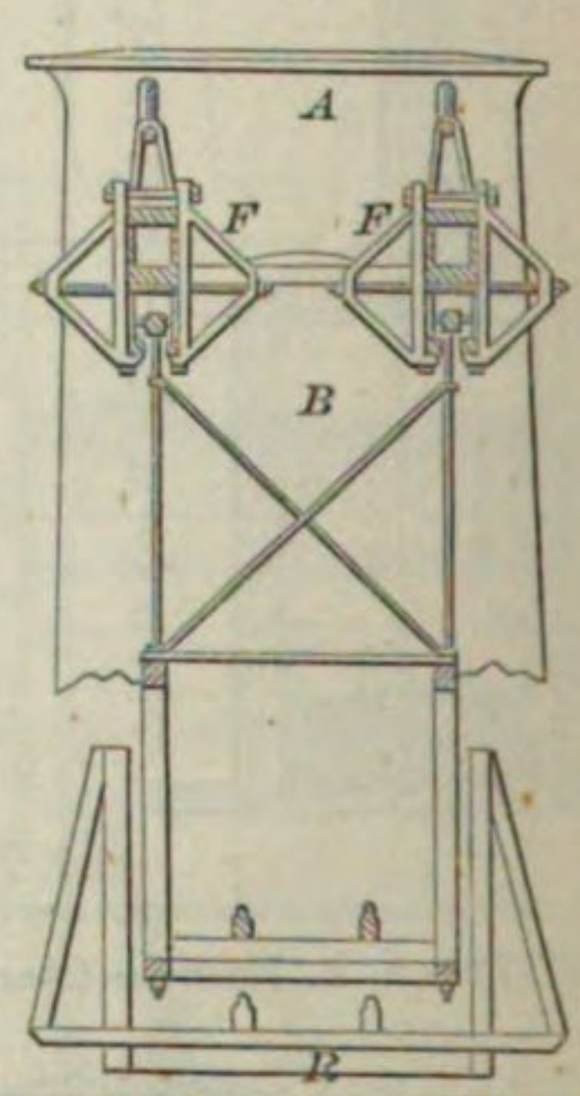
56775—W. P. Miller—*Lamp.*



56773—A. B. Mercier—*Clothes Washer.*



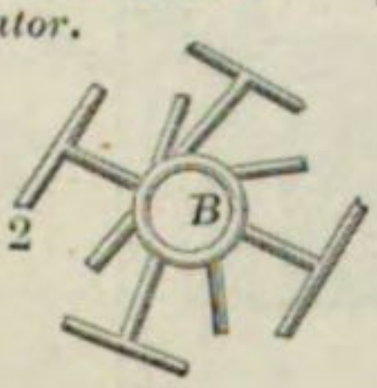
56777—D. A. Mitchell—*Bridge.*



56779—R. Montgomery—*Metallic Plate.*

56778—T. Mitchell—*Steam Generator.*

Fig. 2



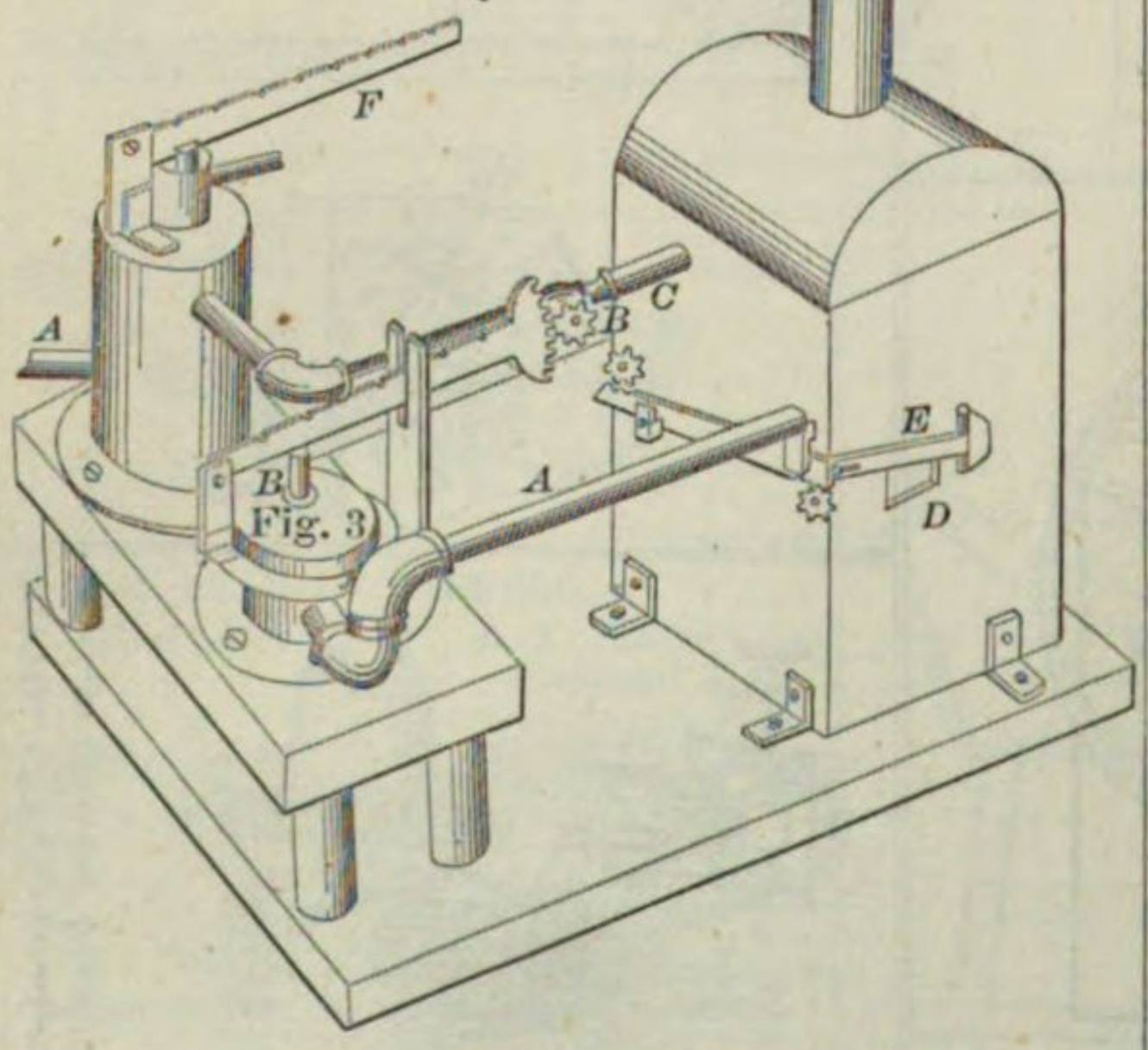
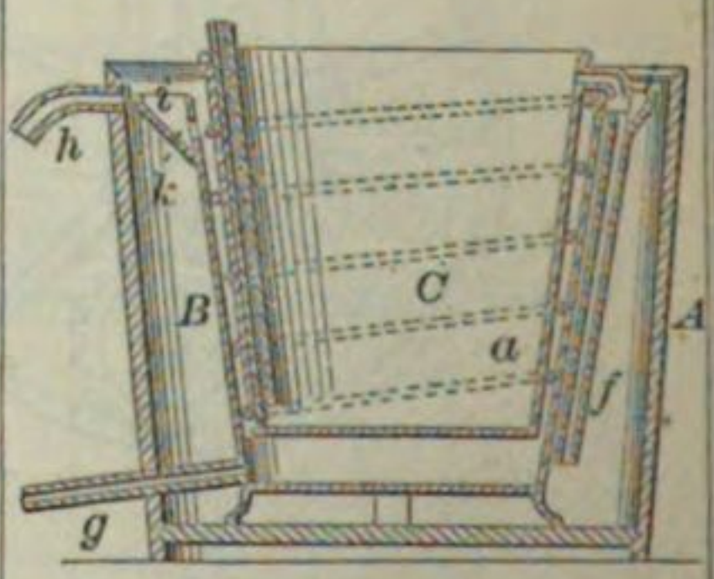
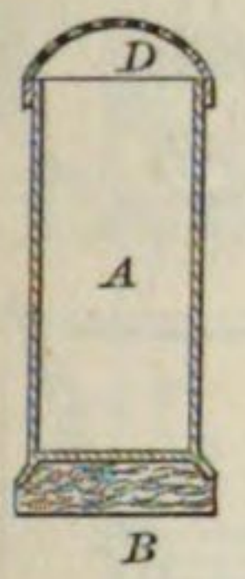


Fig. 3

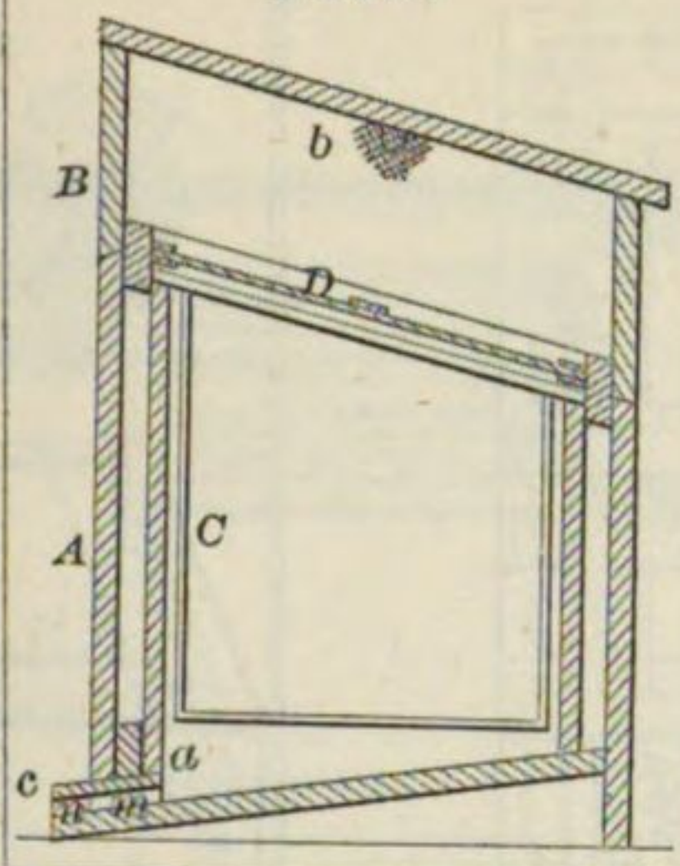
56780—J. O. Moore—*For Cooling Milk.*



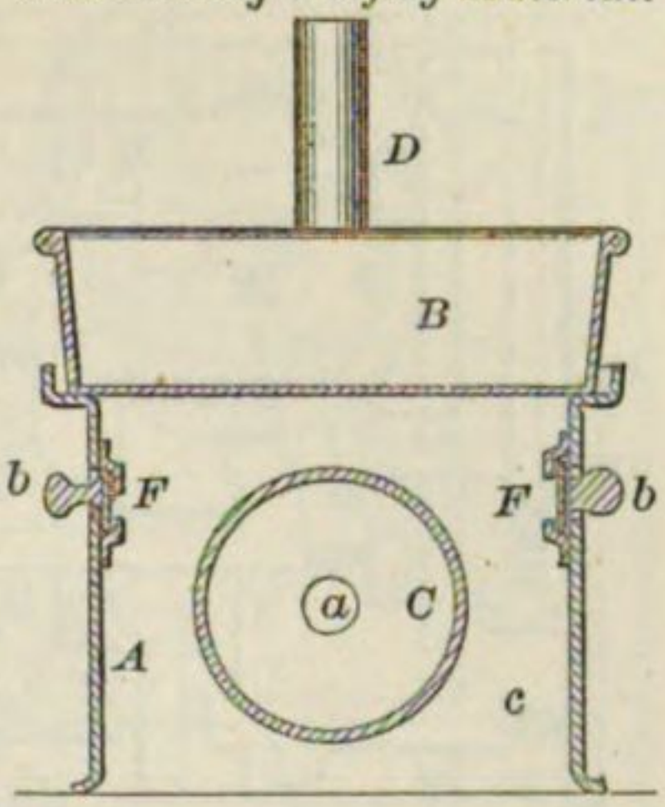
56781—W. A. Morse—*Polishing Box.*



56782—M. D. Mulford, Jr.—*Beehive.*

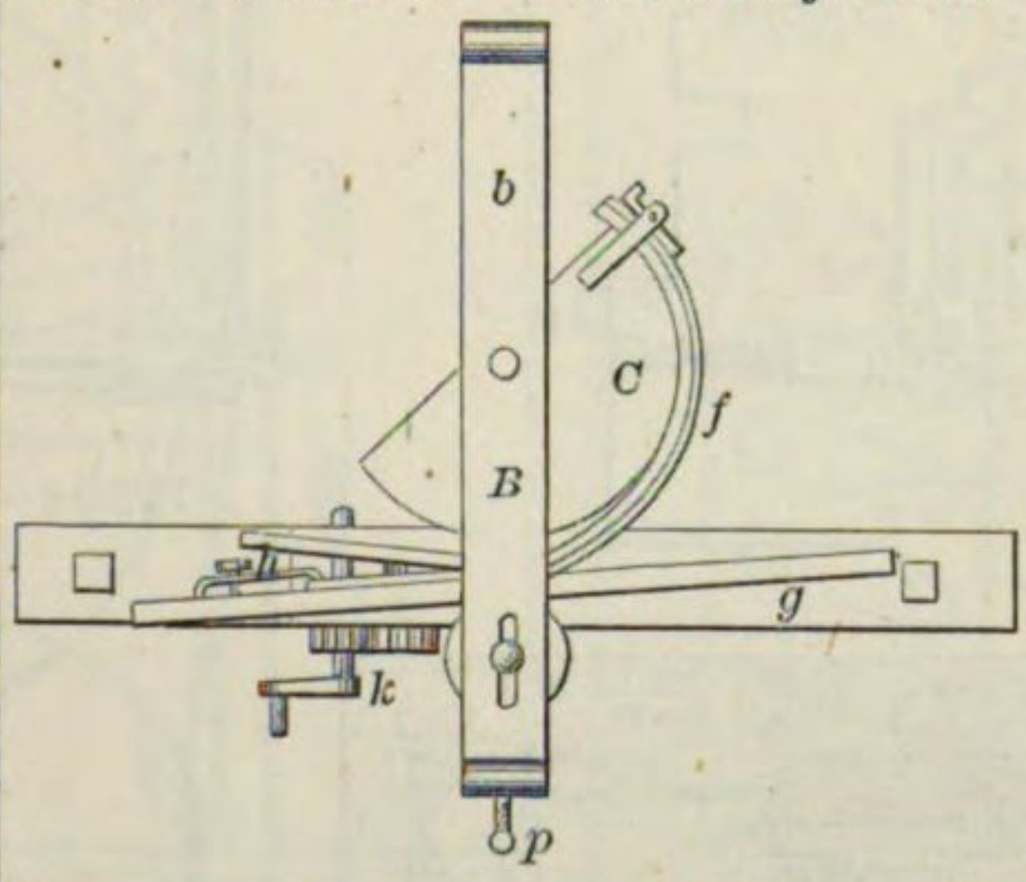


56783—J. Munn—*For Heating and Melting Roofing Material.*



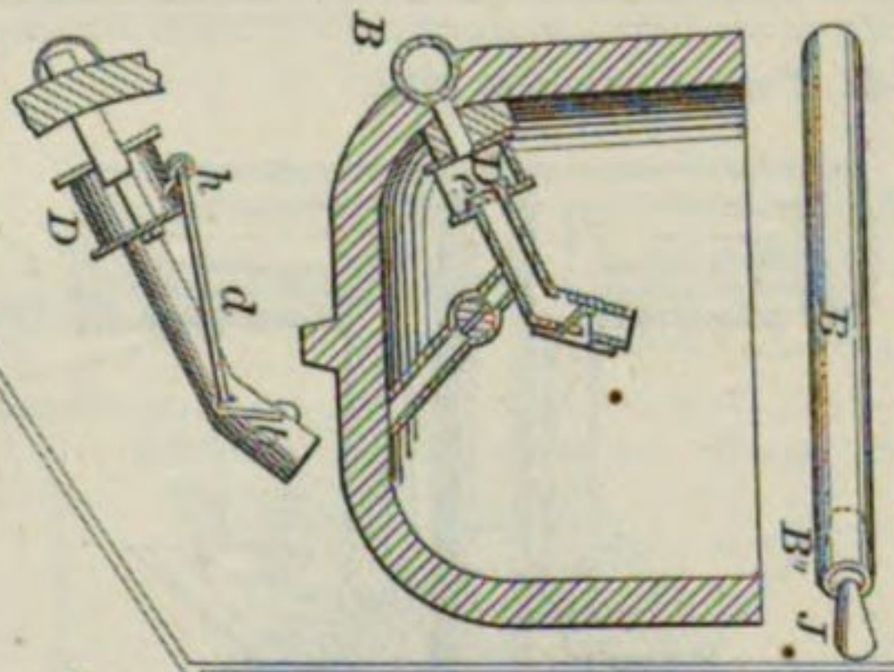
56786—H. Naylor—*Sash Fastening.*

56788—J. Newman—*Wood Bending Machine.*

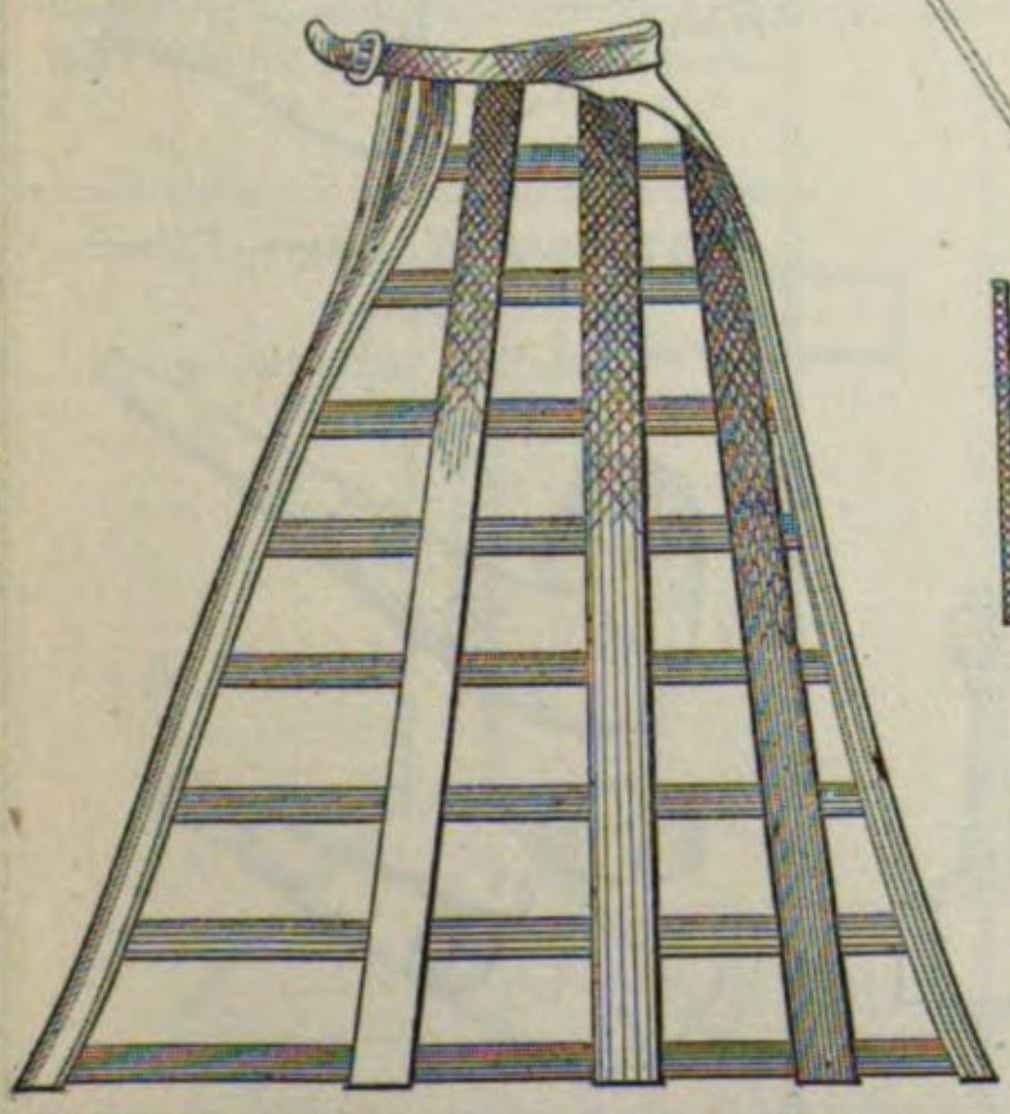


56785—N. Murphy—*Buckle.*

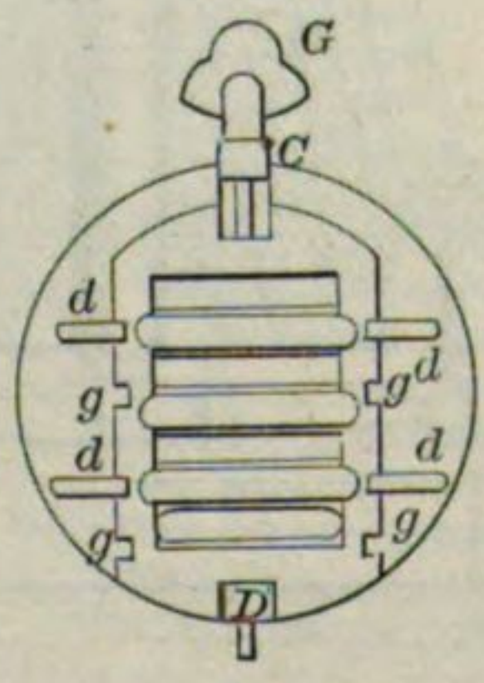
56784—F. Murgatroyd—*Condensing Steam.*



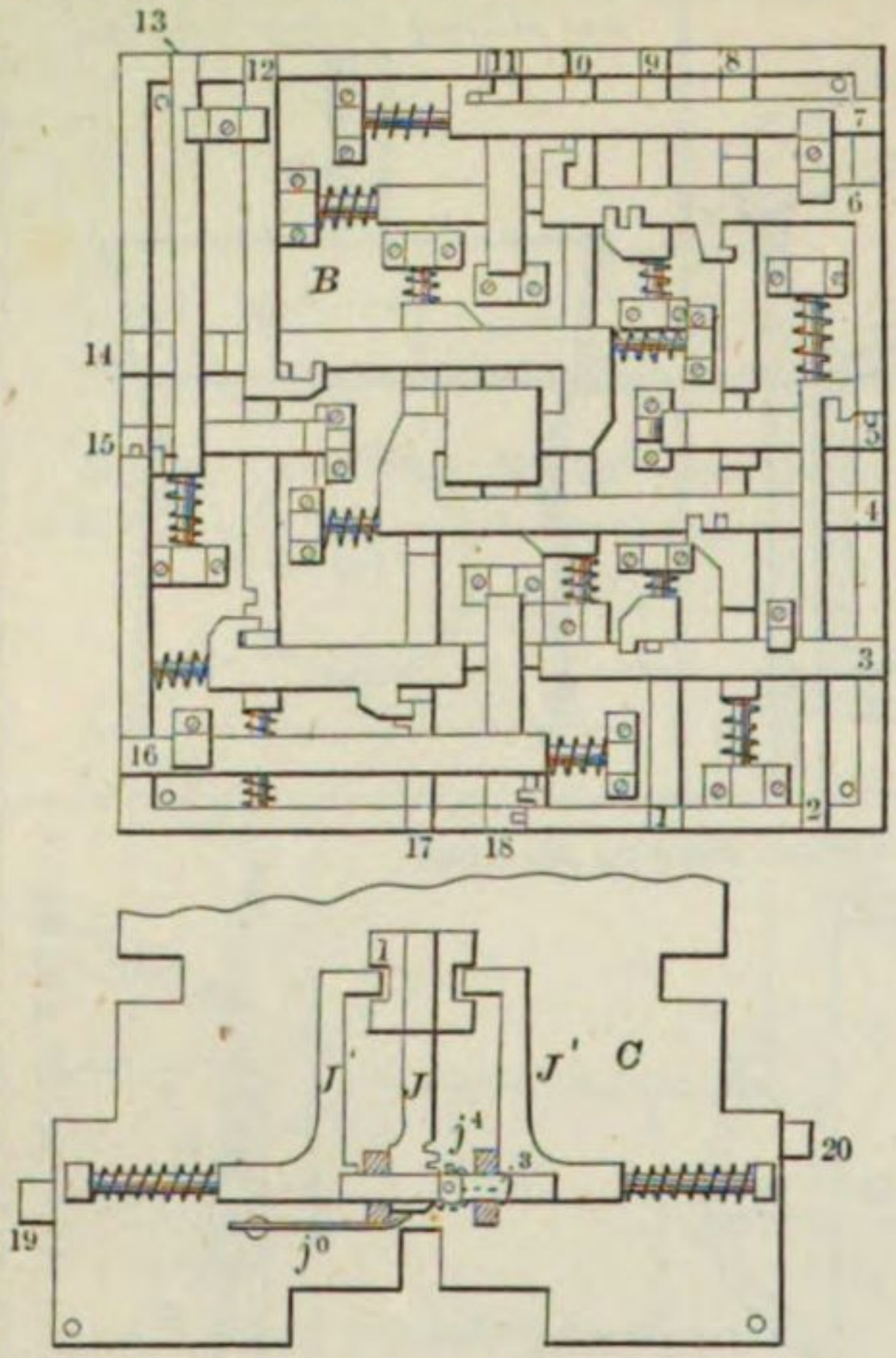
56787—C. Neumann—*Hoop Skirt.*



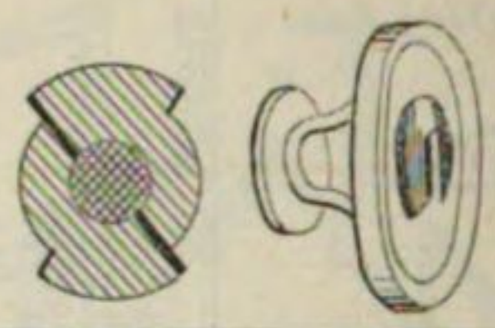
56789—W. H. Nutting—*Stove Pipe Damper.*



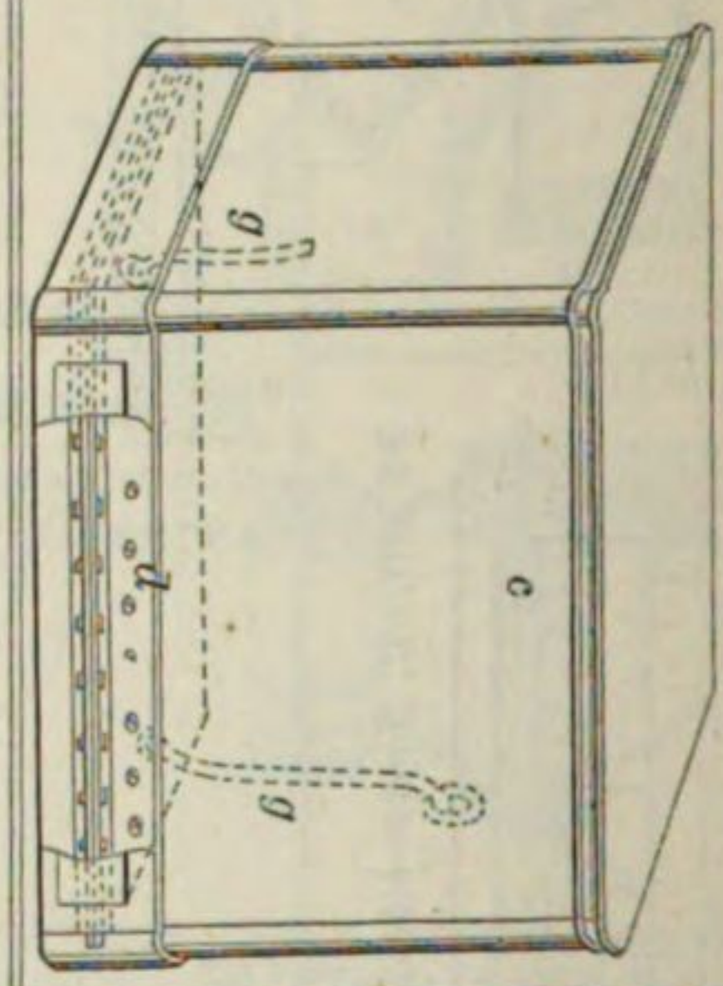
56790—A. A. Oat—*Safe Lock.*



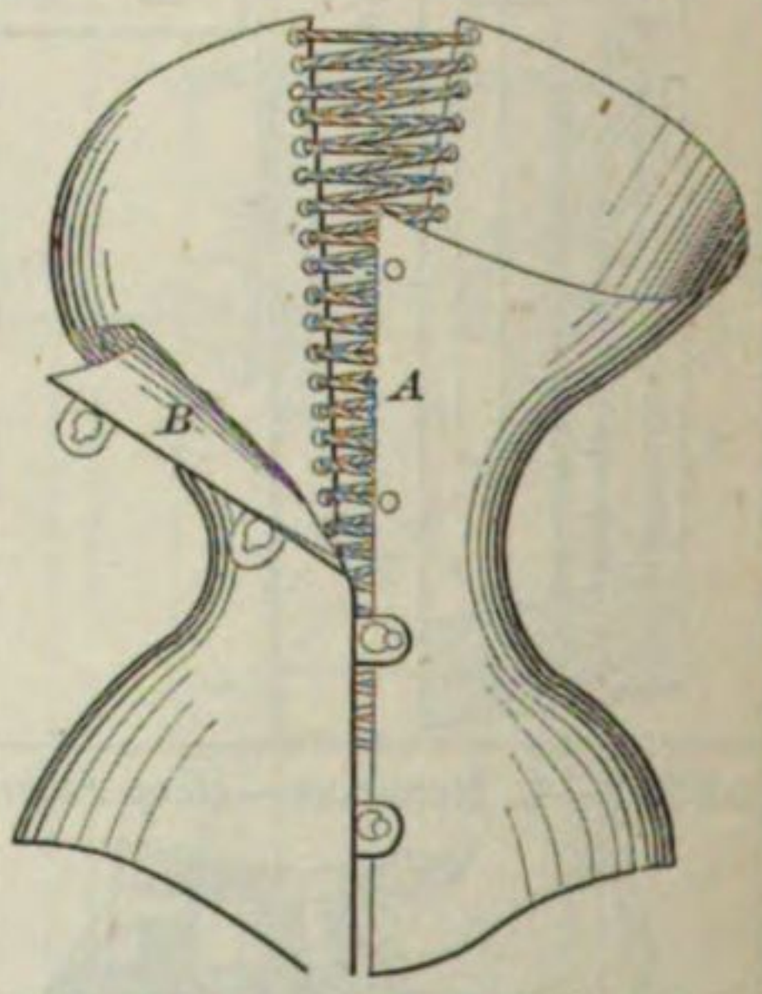
56791—A. W. Overbaugh—*Initial Stud.*



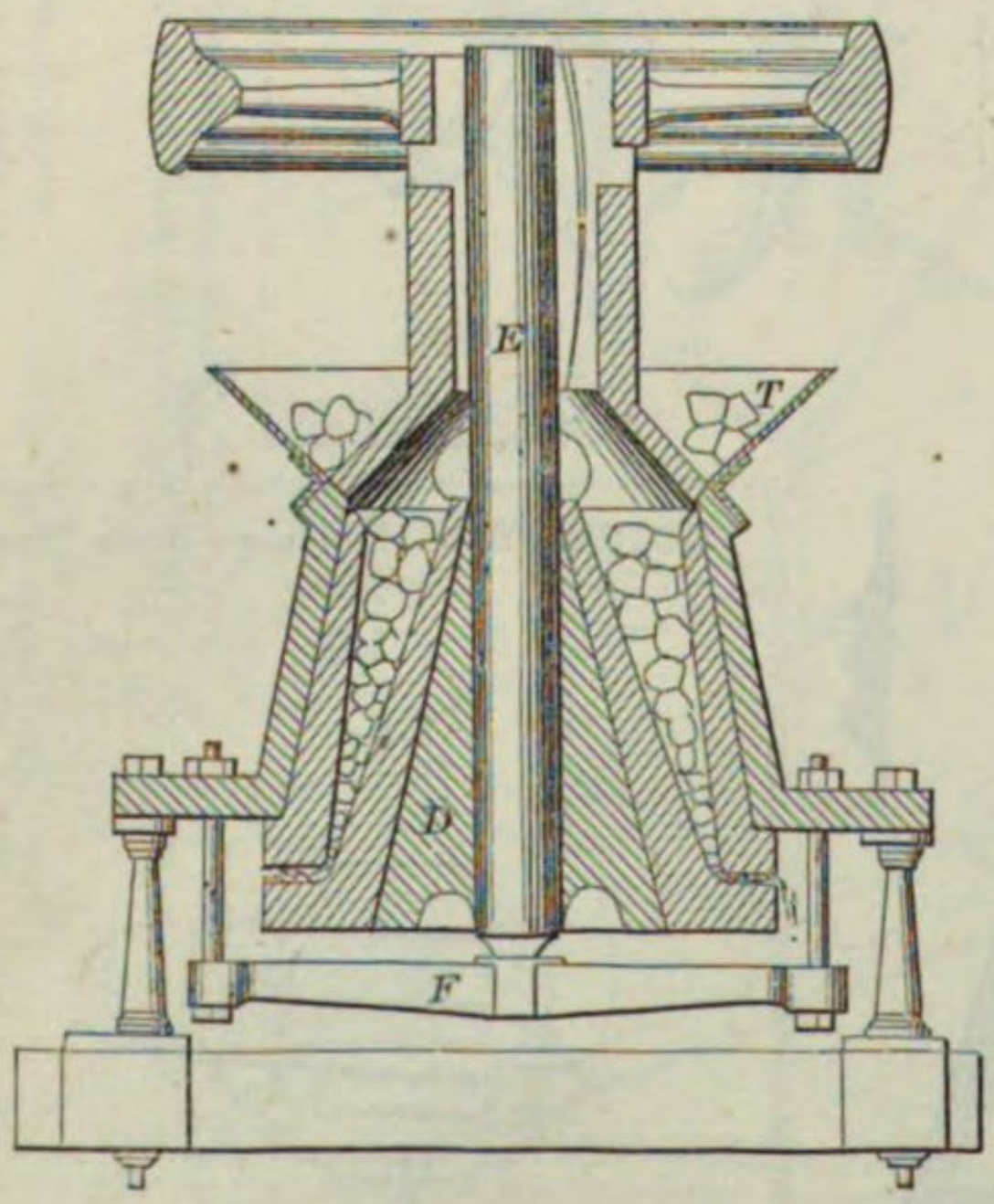
56792—G. T. Palmer—*Water Cooler.*



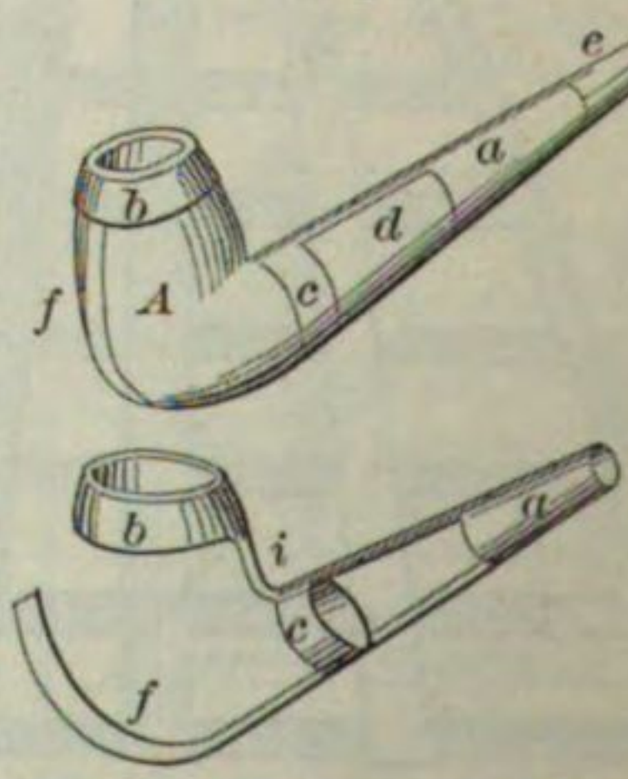
75694—S. M. Perry—*Corset.*



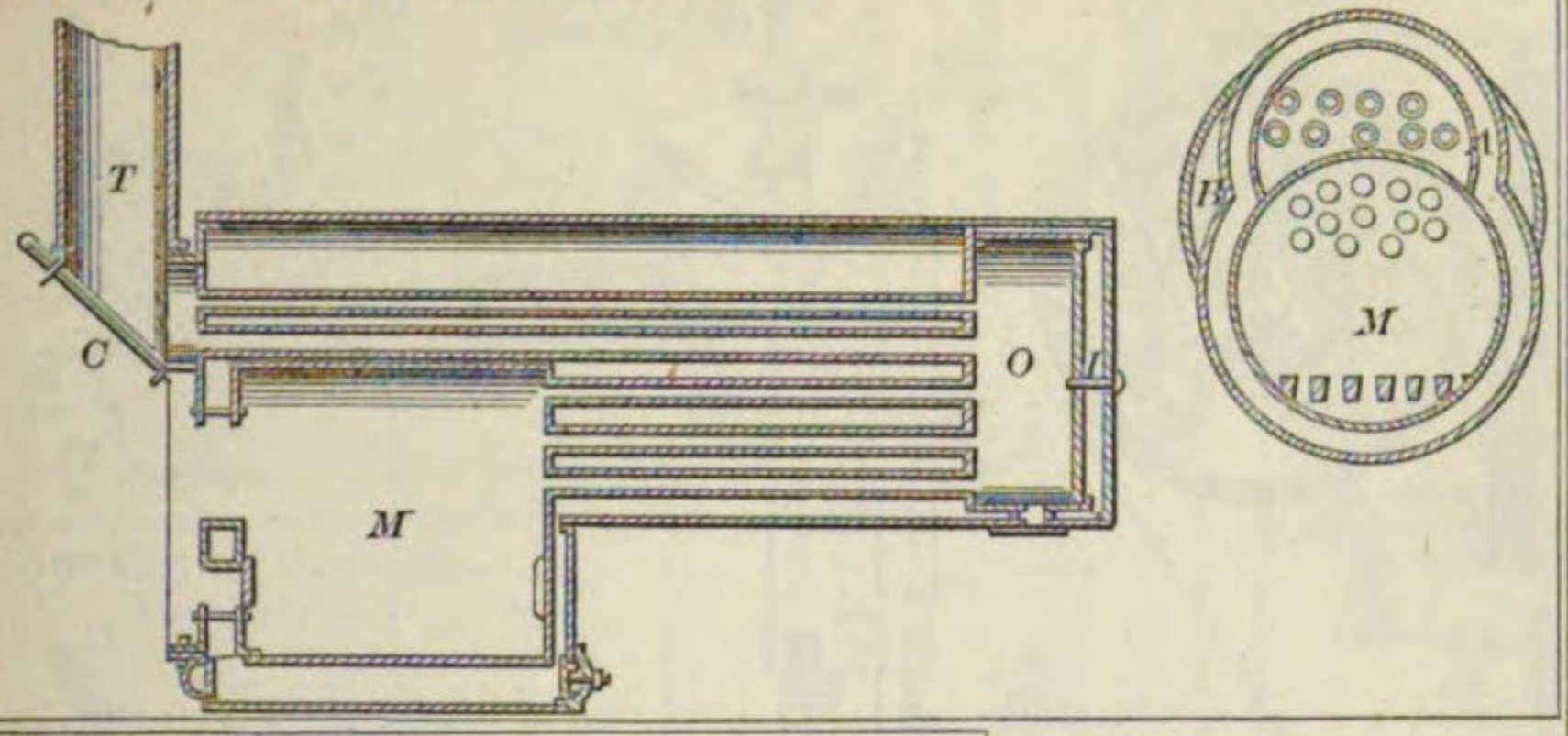
56793—H. Pearce—*Quartz Mill.*



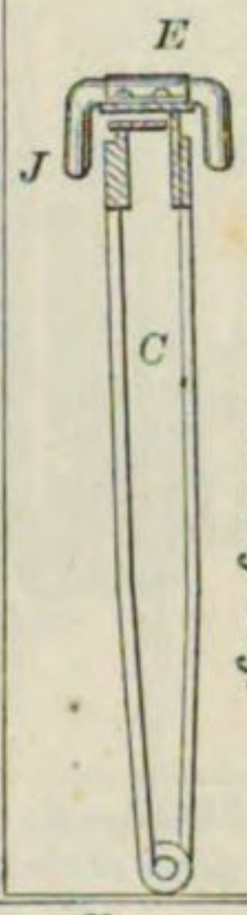
56795—J. W. Petty—*Tobacco Pipe.*



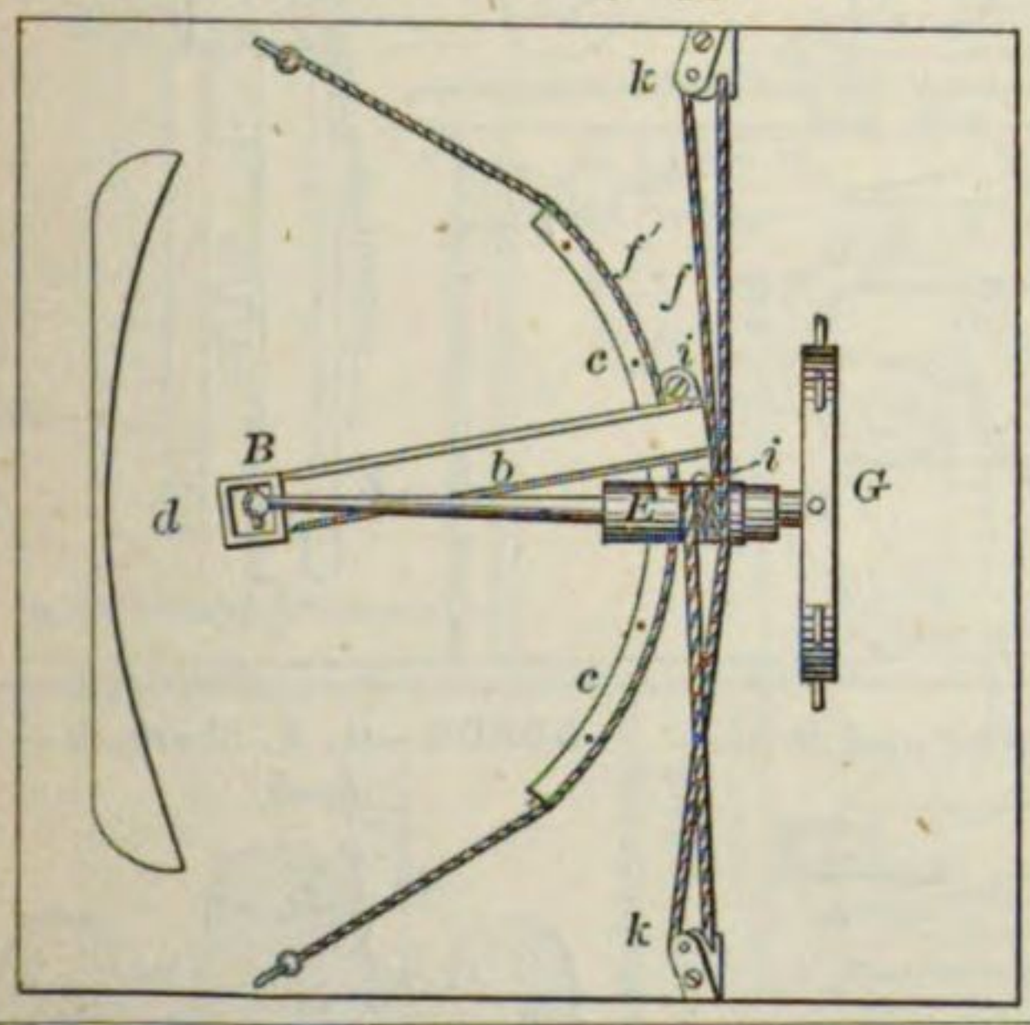
56796—W. Phelan—*Steam Generator.*



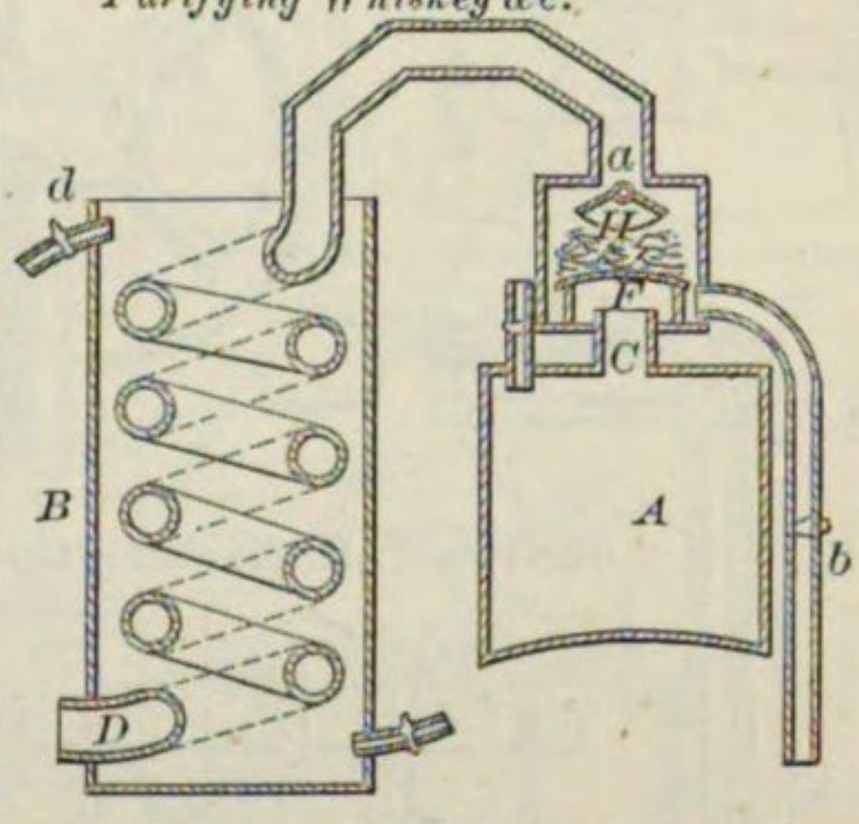
56801—W. Roemer—*Traveling Bag.*



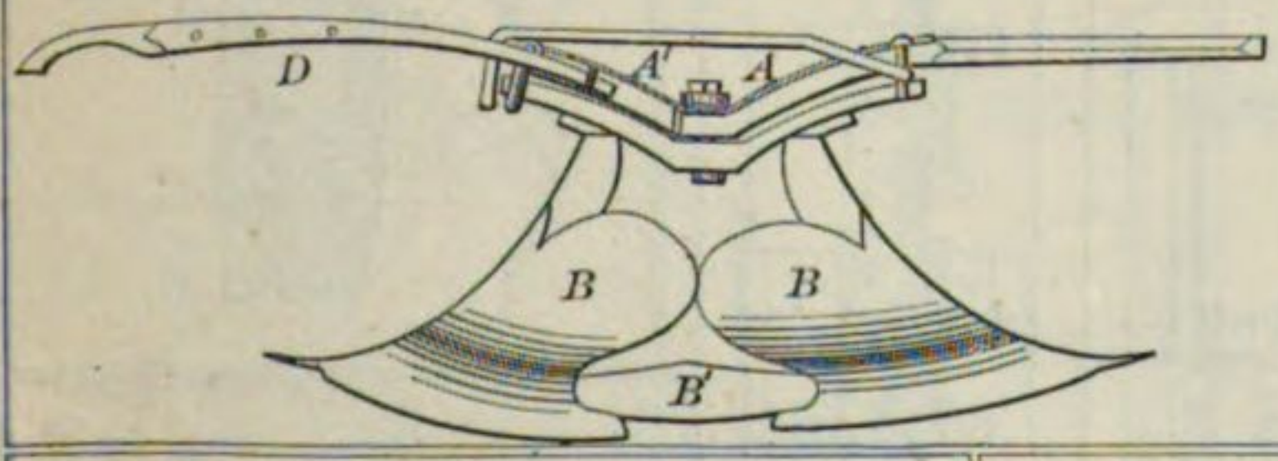
56802—E. Rouse—*Steering Apparatus.*



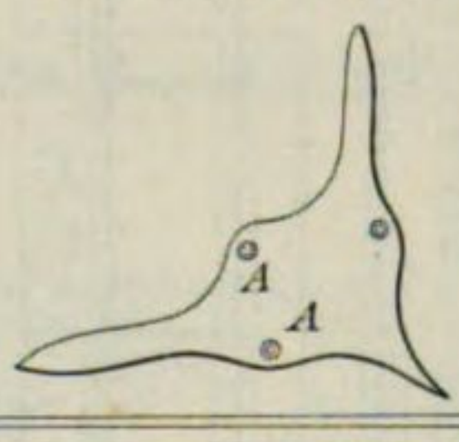
56797—Prentiss & Parsons—*For Purifying Whiskey &c.*



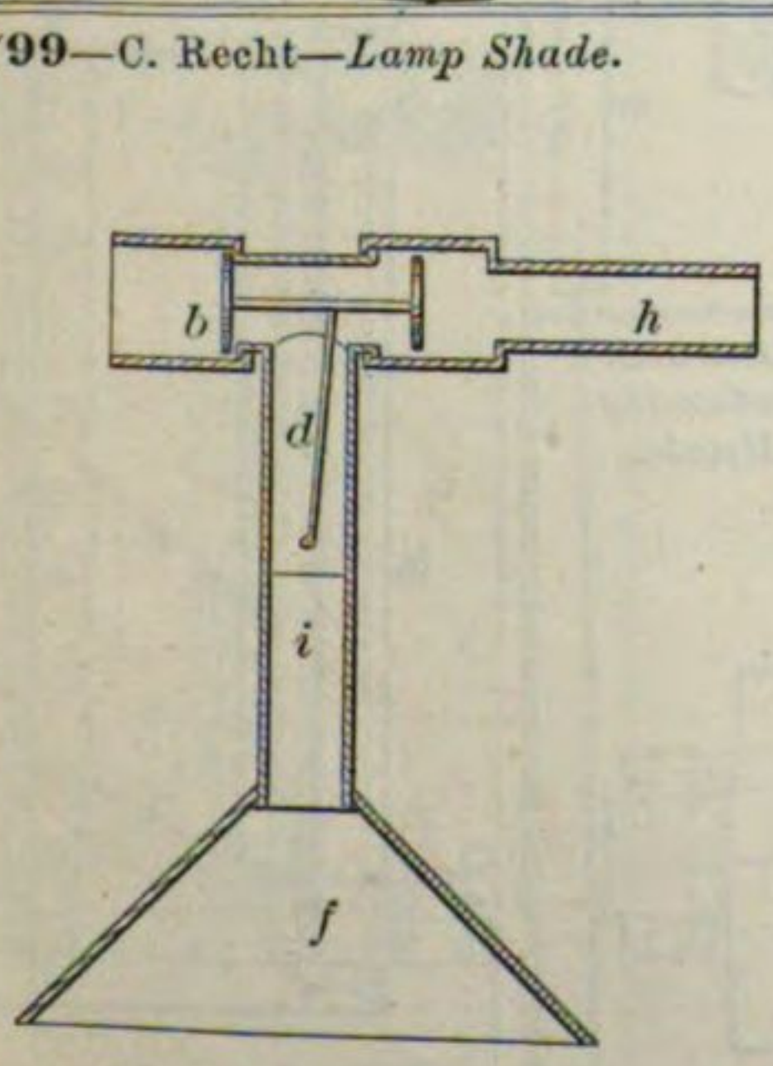
56798—B. Price—*Plow.*



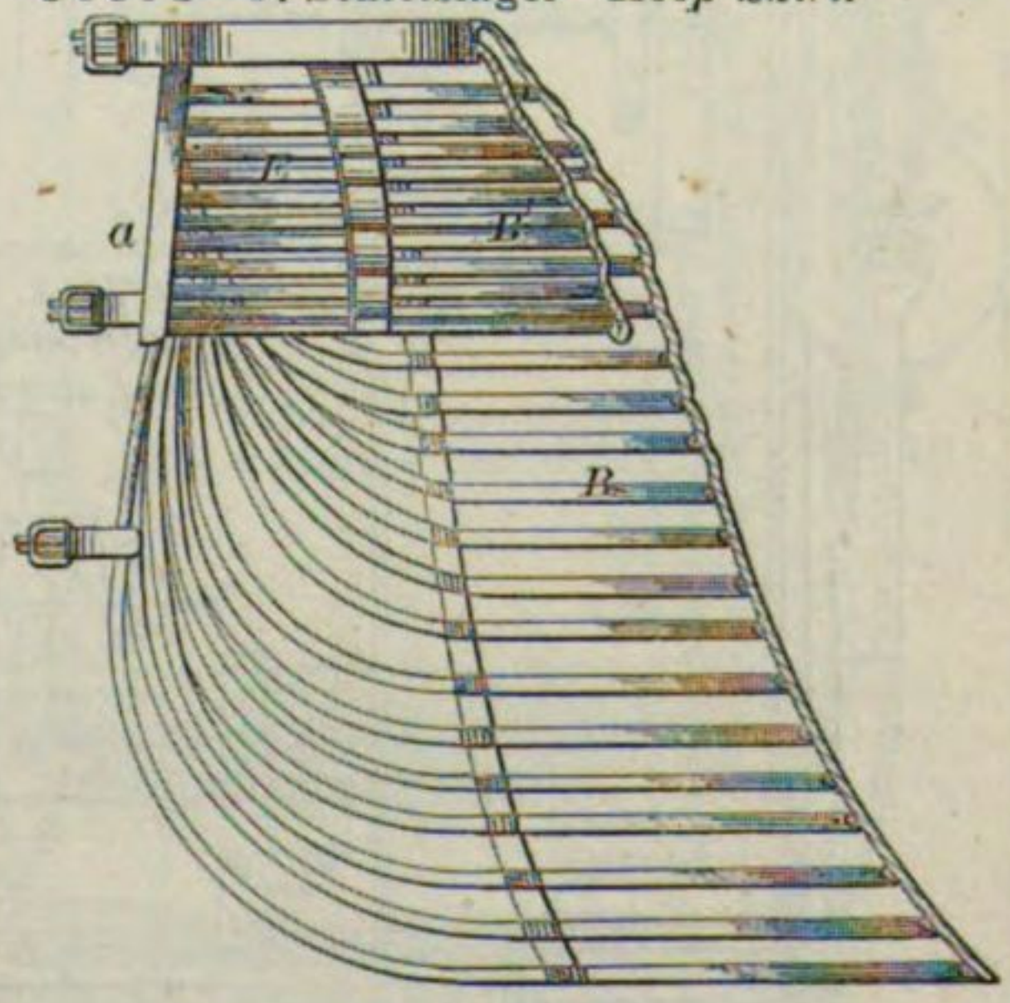
56800—H. C. Richards—*Room Protector.*



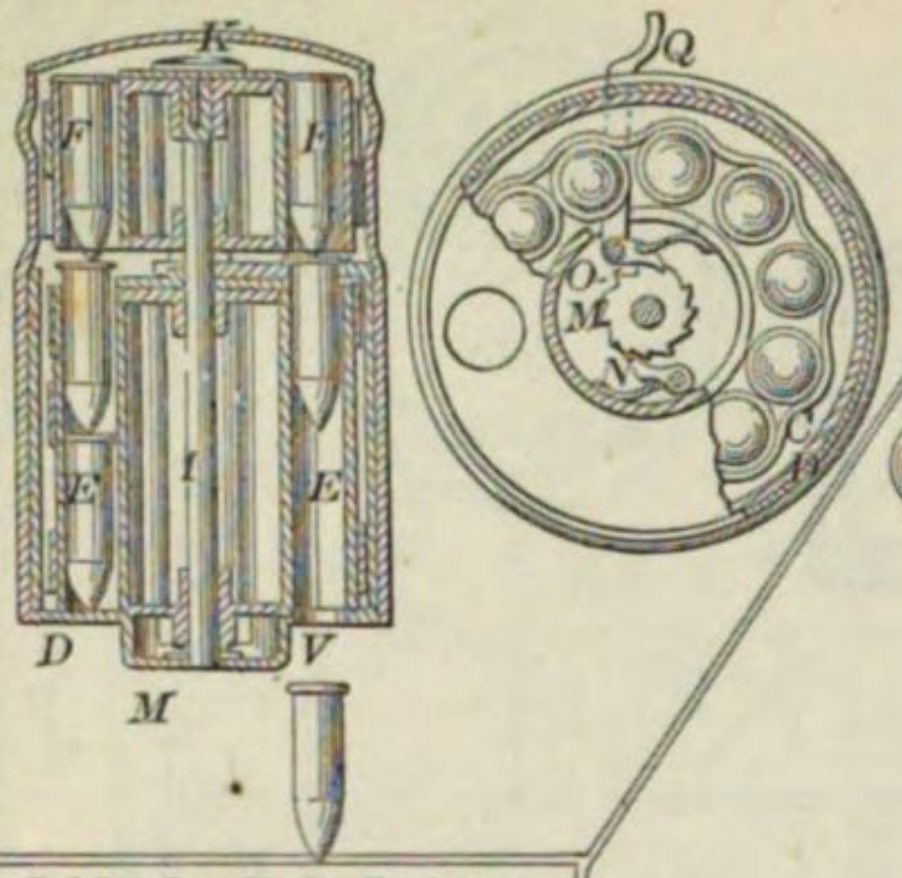
56799—C. Recht—*Lamp Shade.*



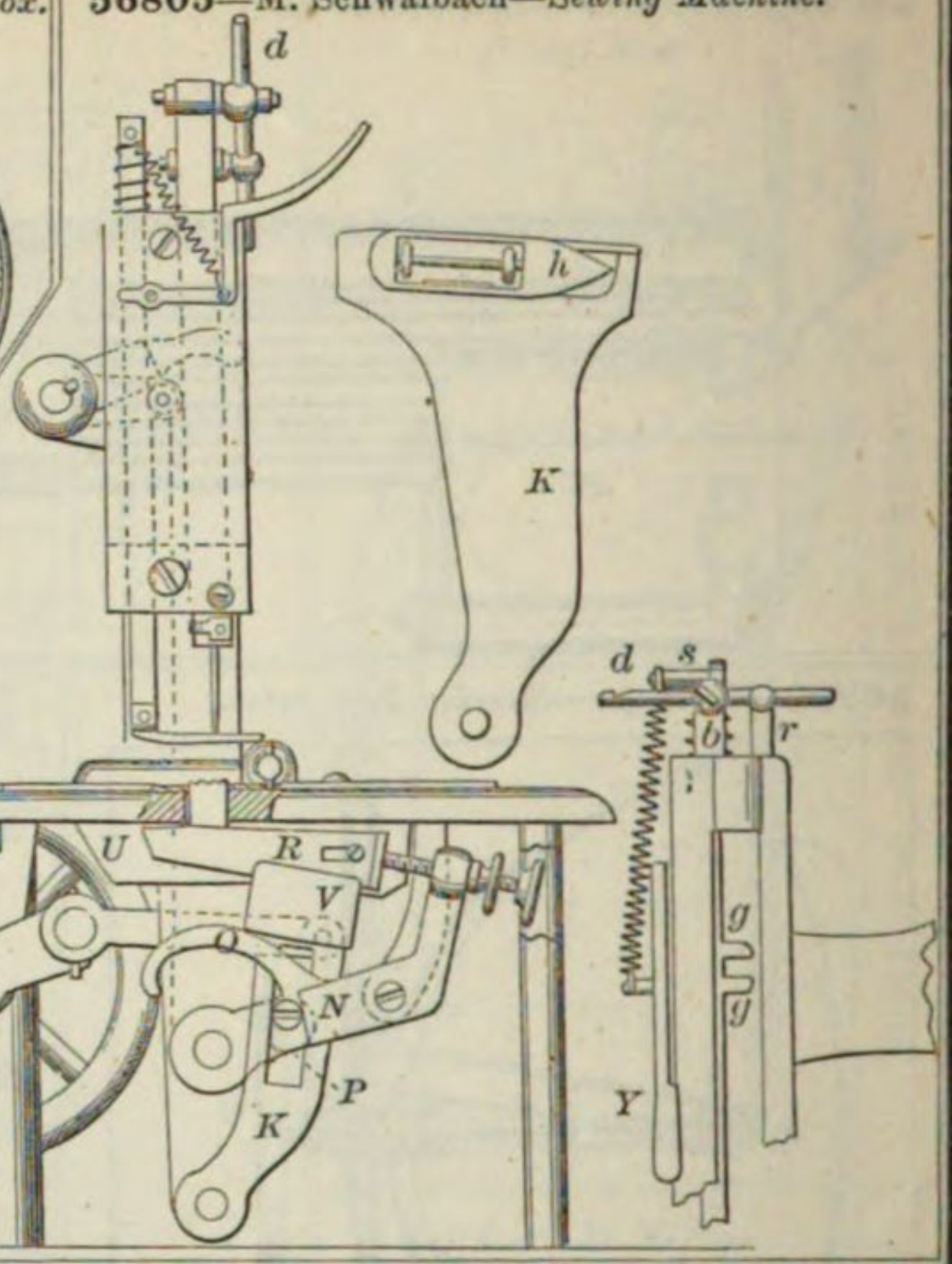
56803—J. Schleisinger—*Hoop Skirt.*



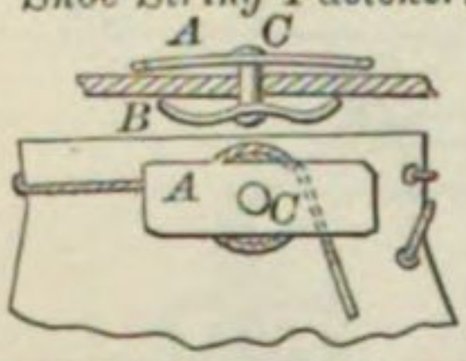
56804—P. F. Schneider—*Cartridge Box.*



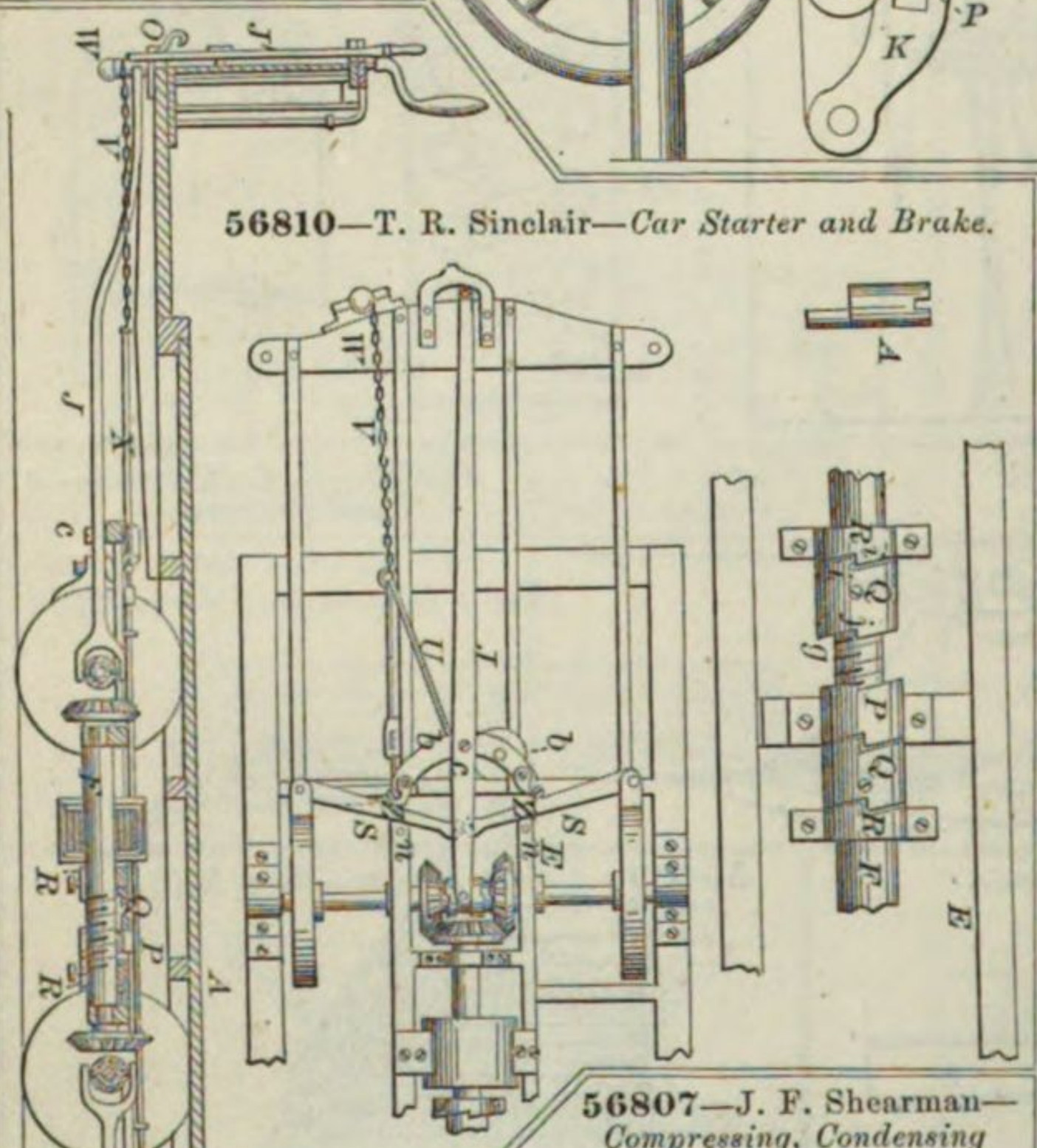
56805—M. Schwalbach—*Sewing Machine.*



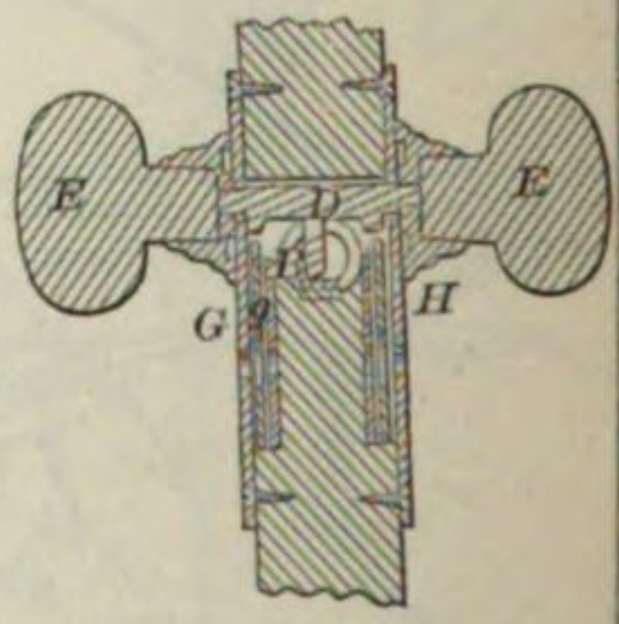
56806—E. S. Scripture—*Shoe String Fastener.*



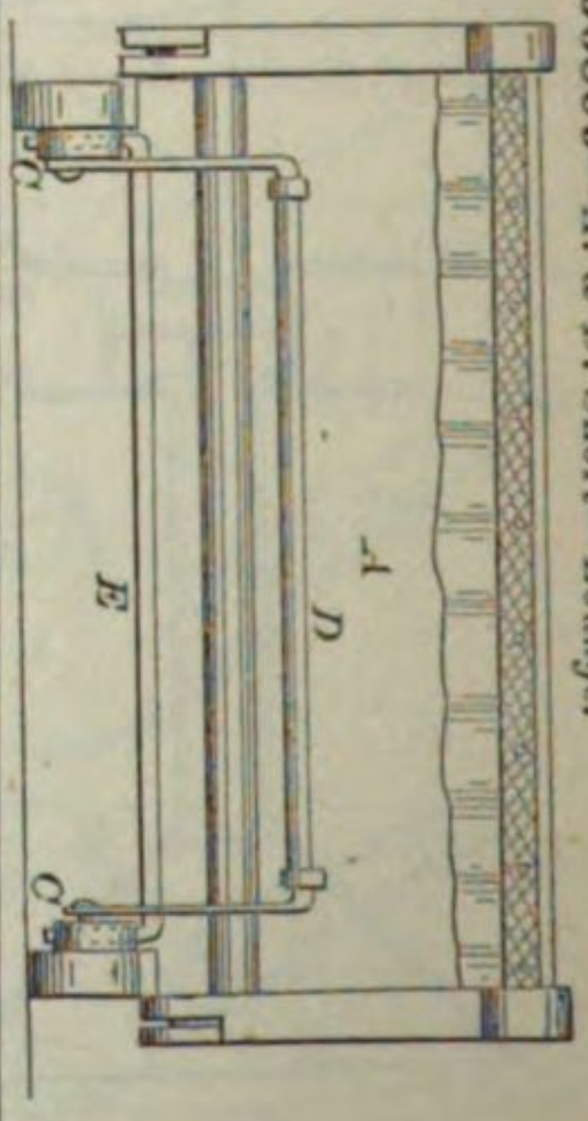
56810—T. R. Sinclair—*Car Starter and Brake.*



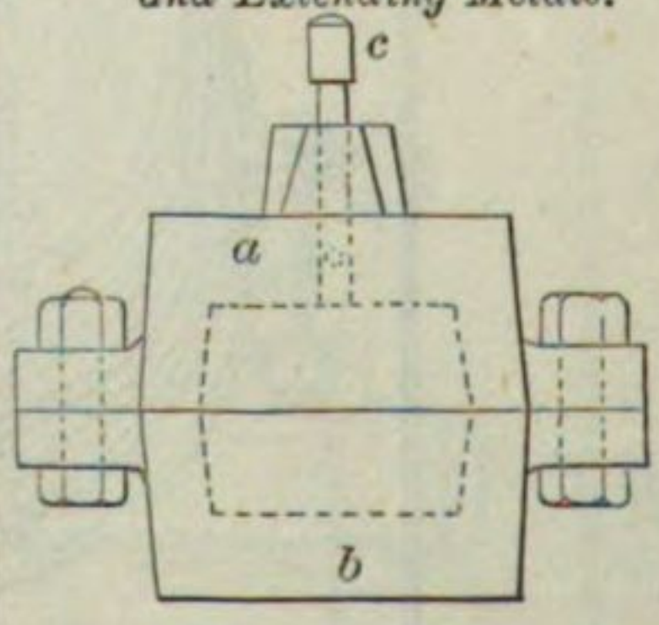
56808—G. A. Sherlock—*Lock.*



56809—A. & D. Short—*Lounge.*

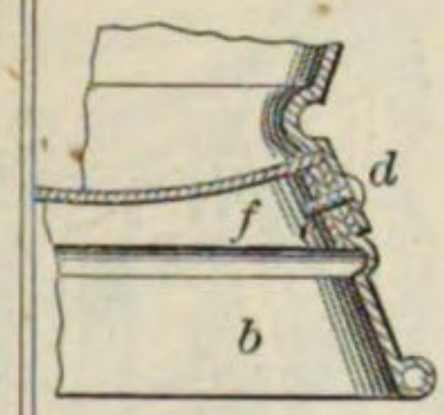


56807—J. F. Shearman—*Compressing, Condensing and Extending Metals.*

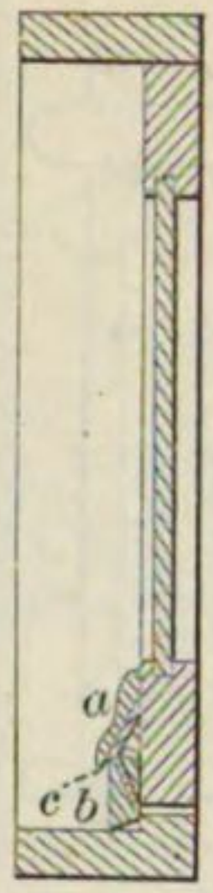


56811—E. A. & D. L. Smith—*Buckle.*

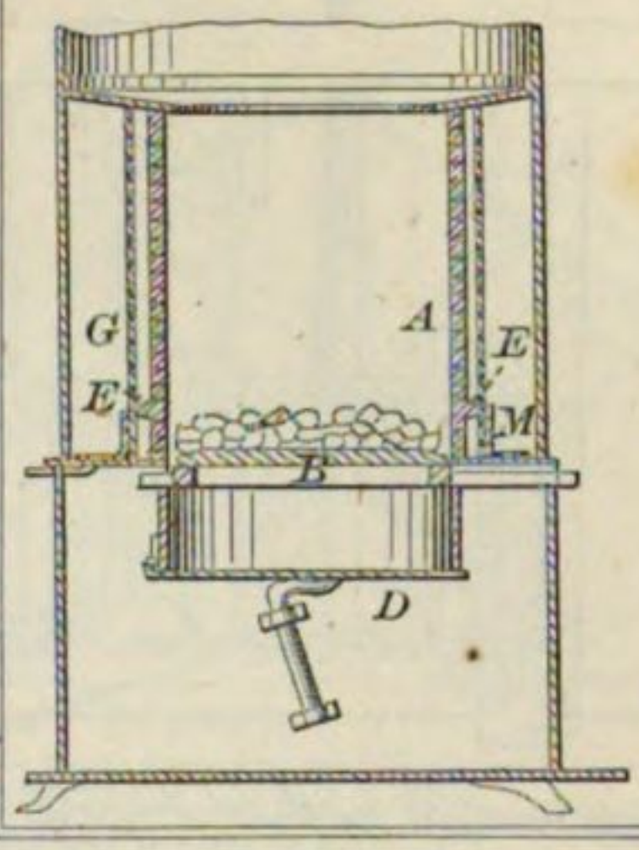
56812—G. Smith—*Coal Scuttle.*



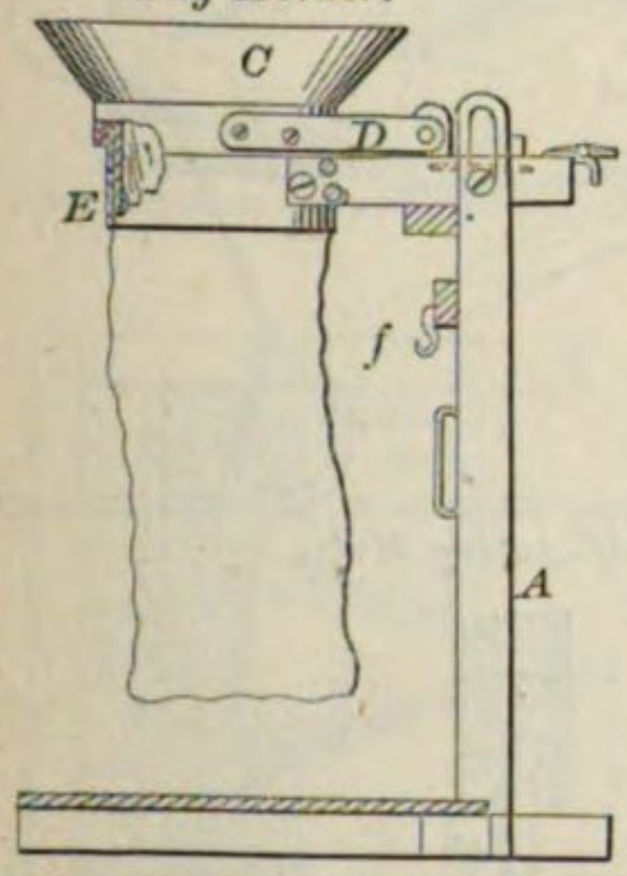
56813—J. A. Smith—*Weather Strip.*



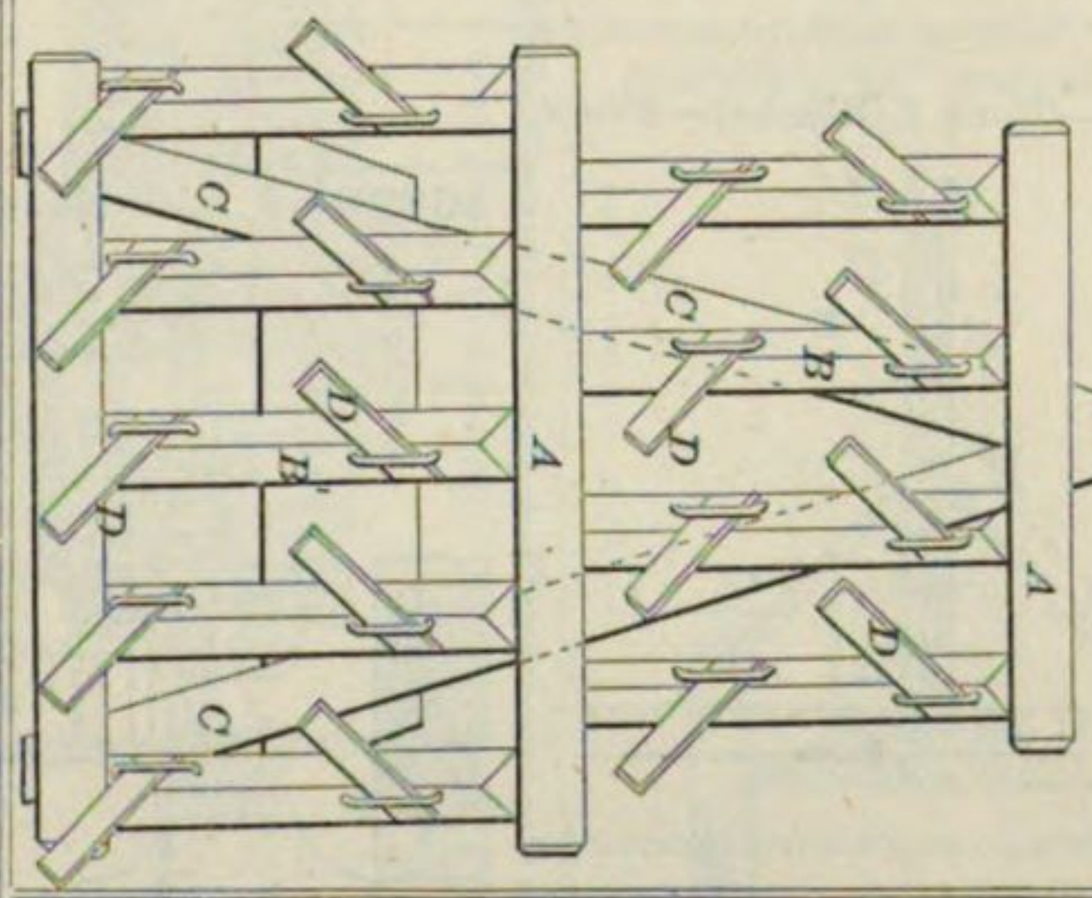
56816—S. Smith—*Heating Apparatus.*



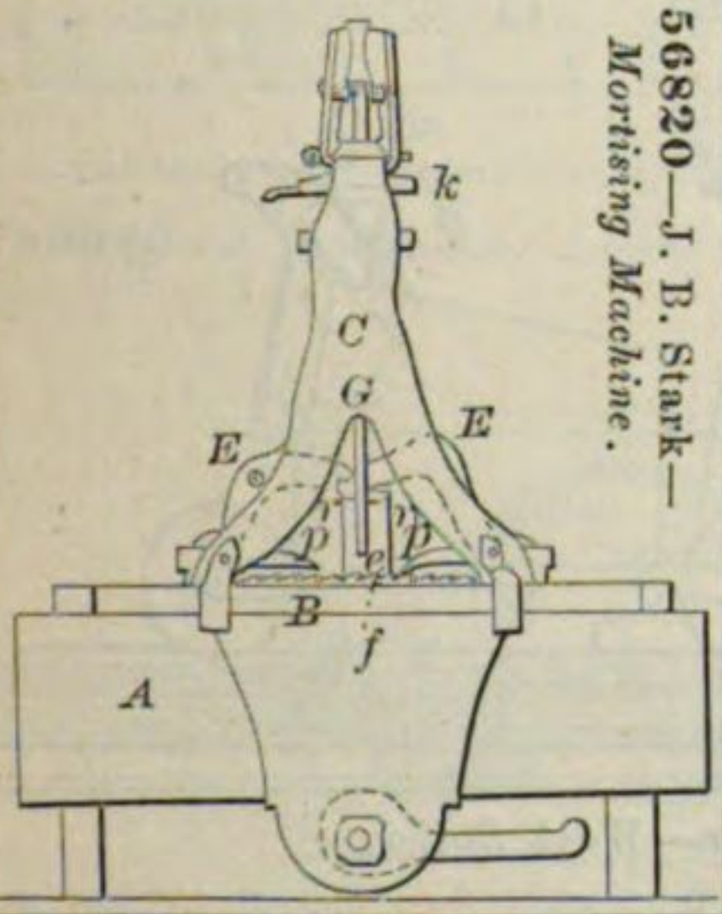
56819—W. H. Smith—*Bag Holder.*



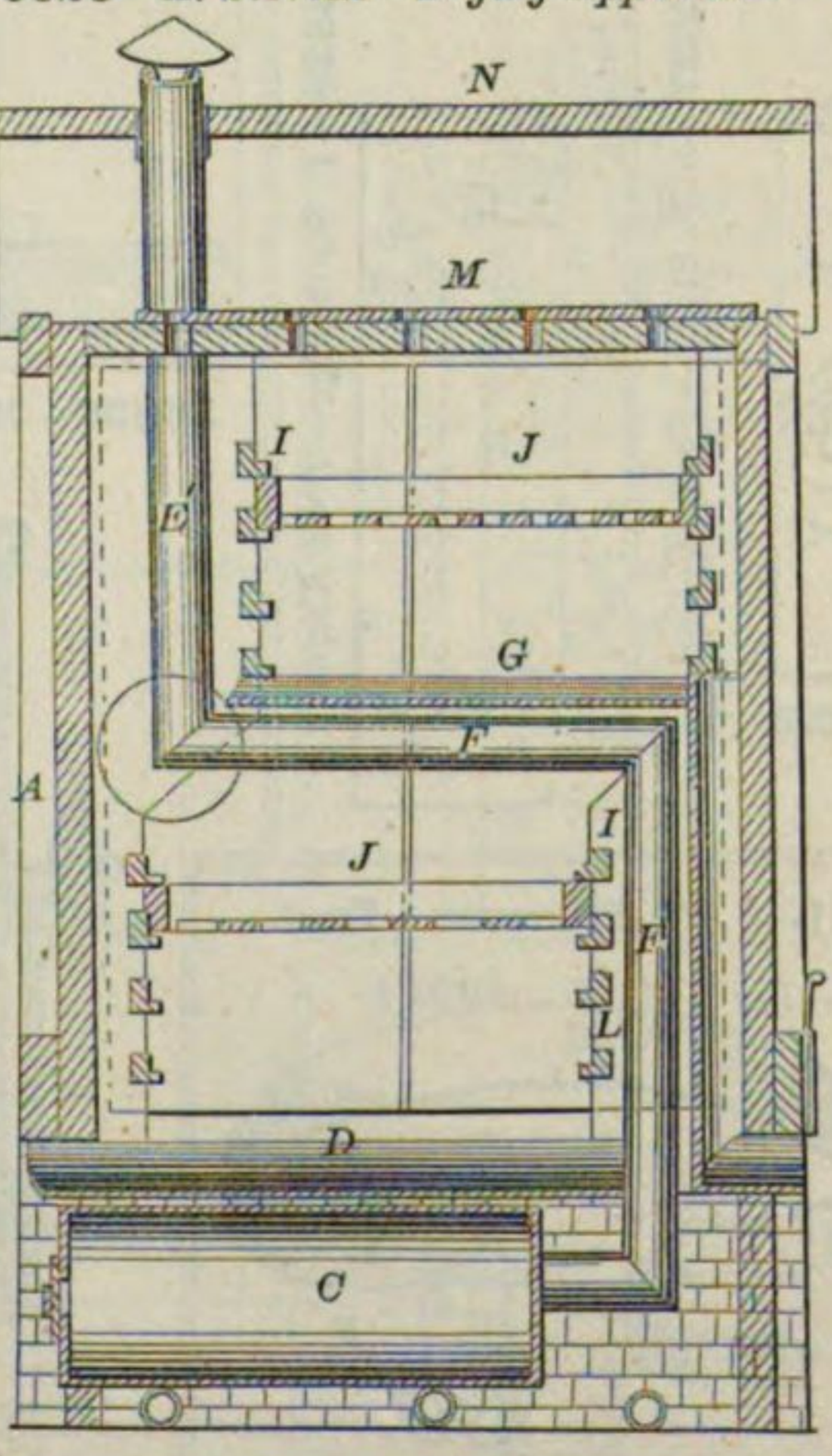
56822—C. E. Steller—*Bog Cutter.*



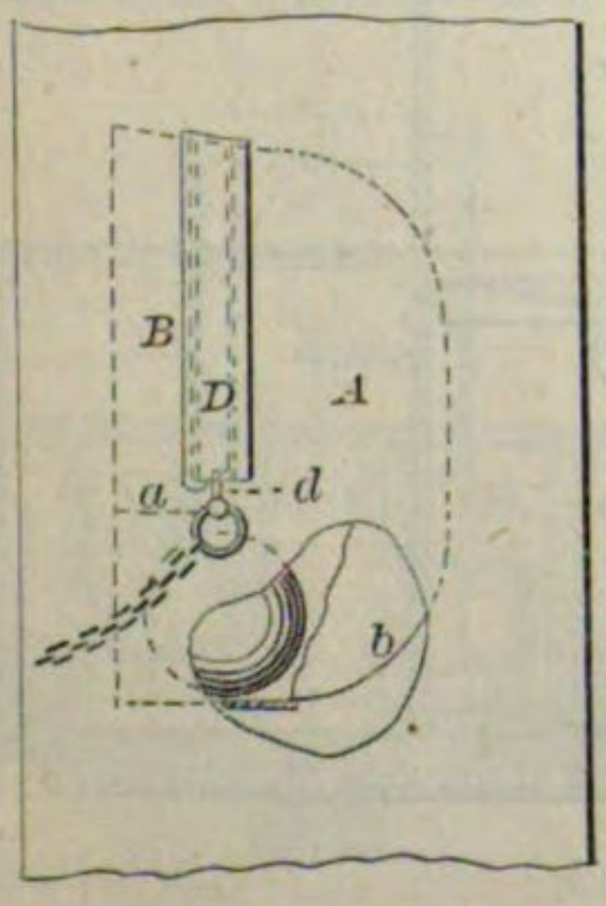
56820—J. B. Stark—*Mortising Machine.*



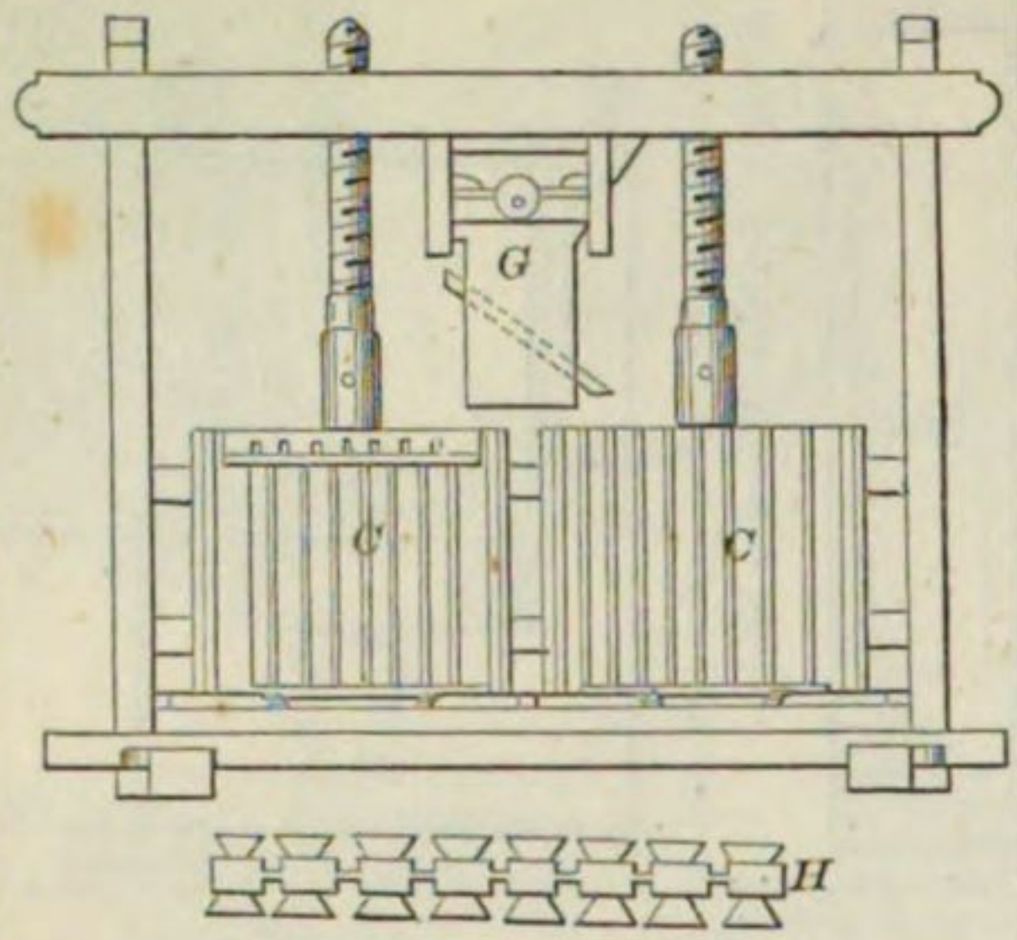
56823—A. Stevens—*Drying Apparatus.*



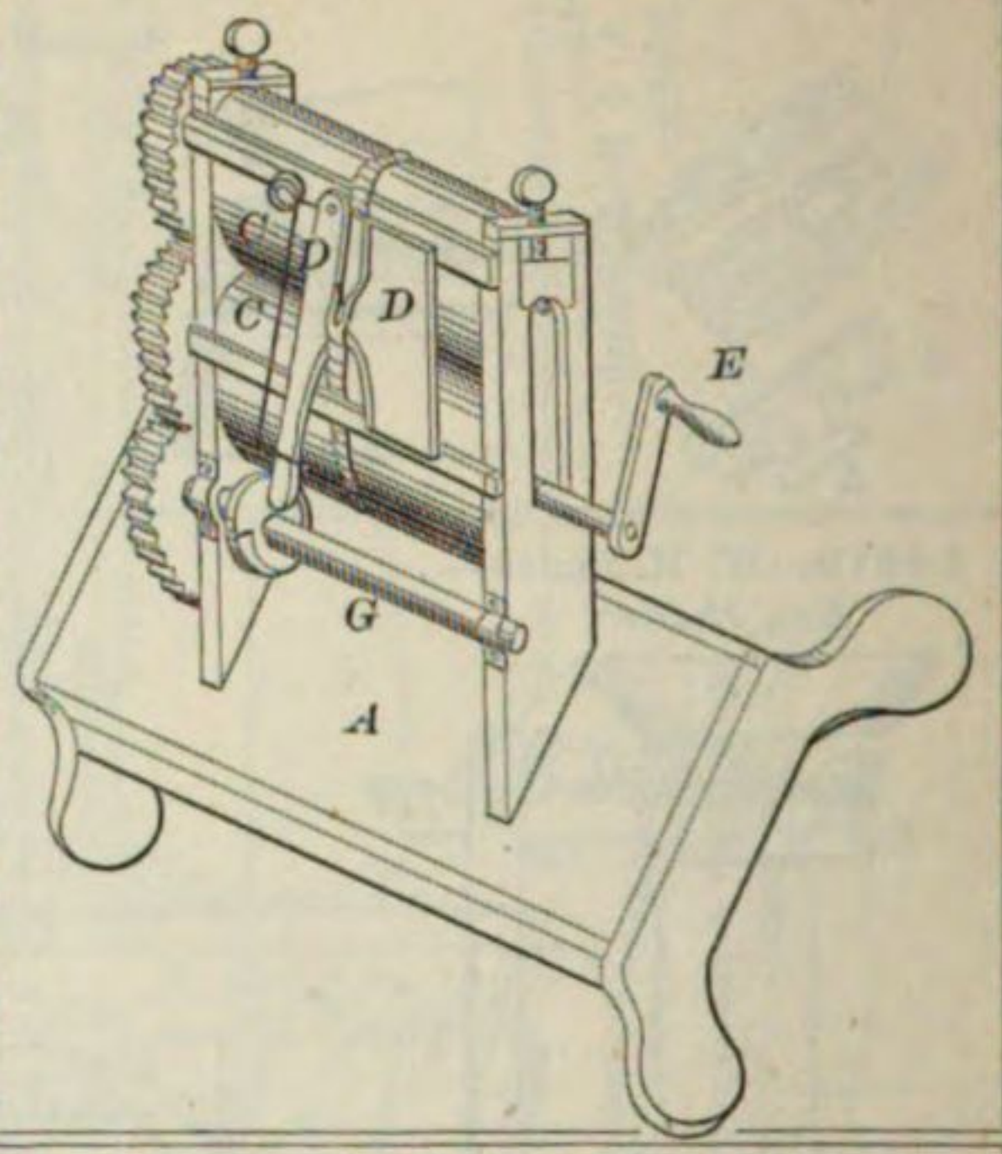
56821—P. A. Stecher—*Safety Pocket.*



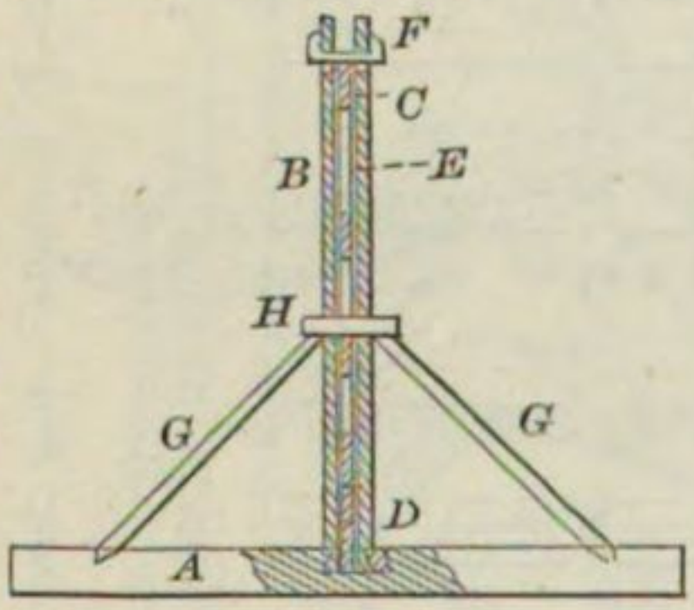
56824—M. Stevens—*Cider Mill Press.*



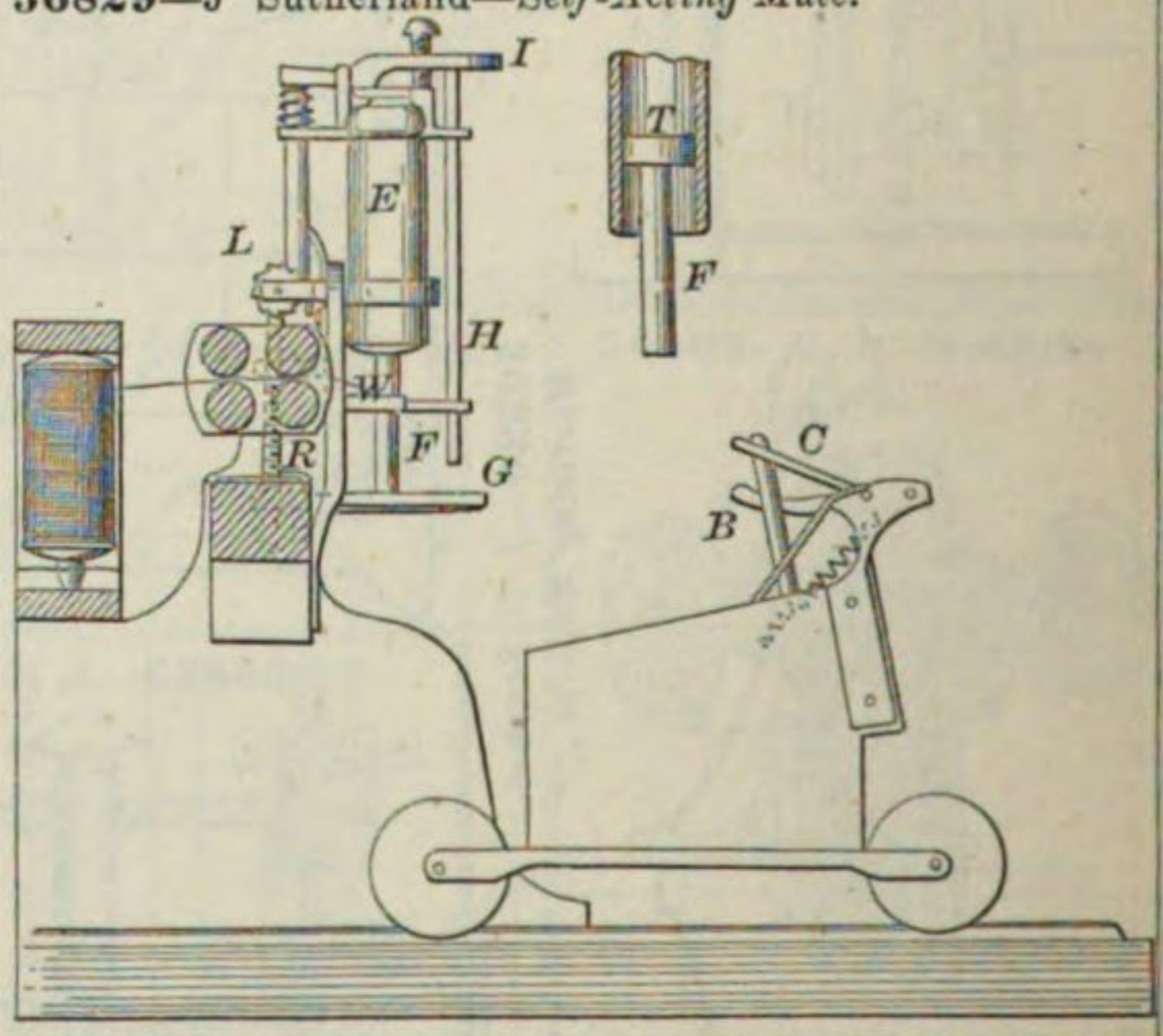
56825—A. C. Stone—*For Rolling Metals.*



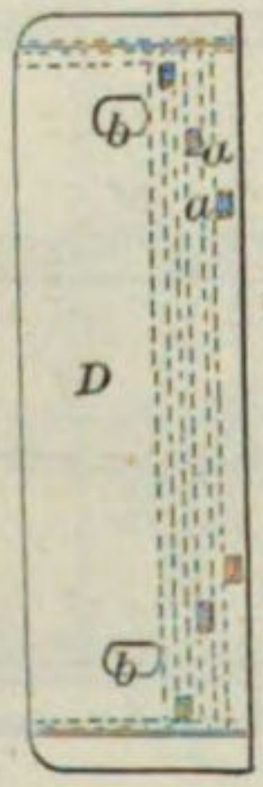
56826—Stone & Blocker—*Fence.*



56829—J Sutherland—*Self-Acting Mule.*

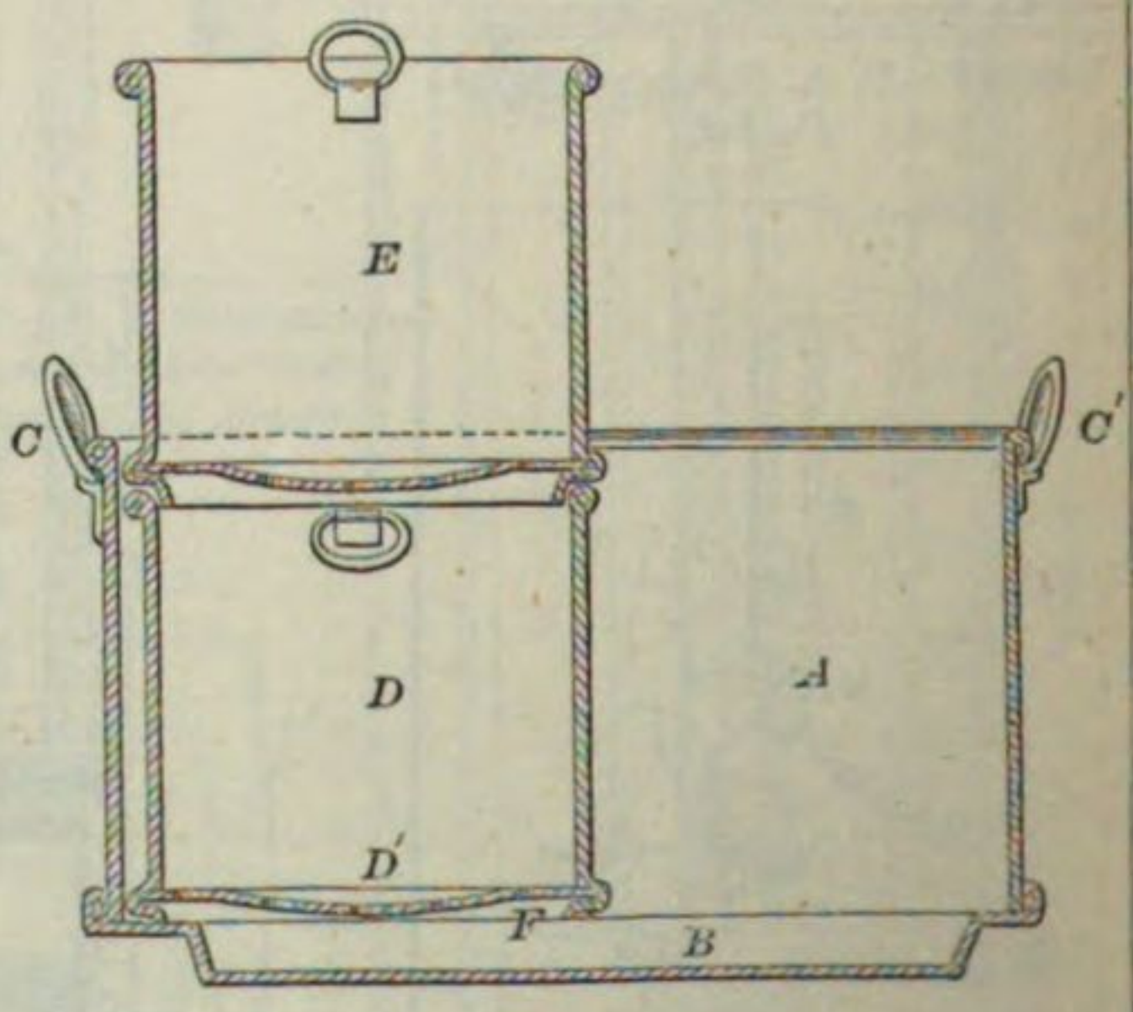


56828—T. Strobridge—*Lock Keeper.*

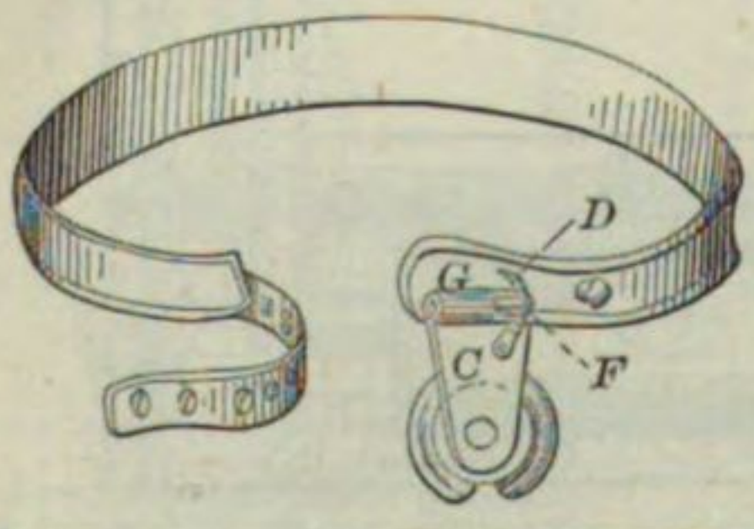


56827—S. S. Stone—*Paper Collar.*

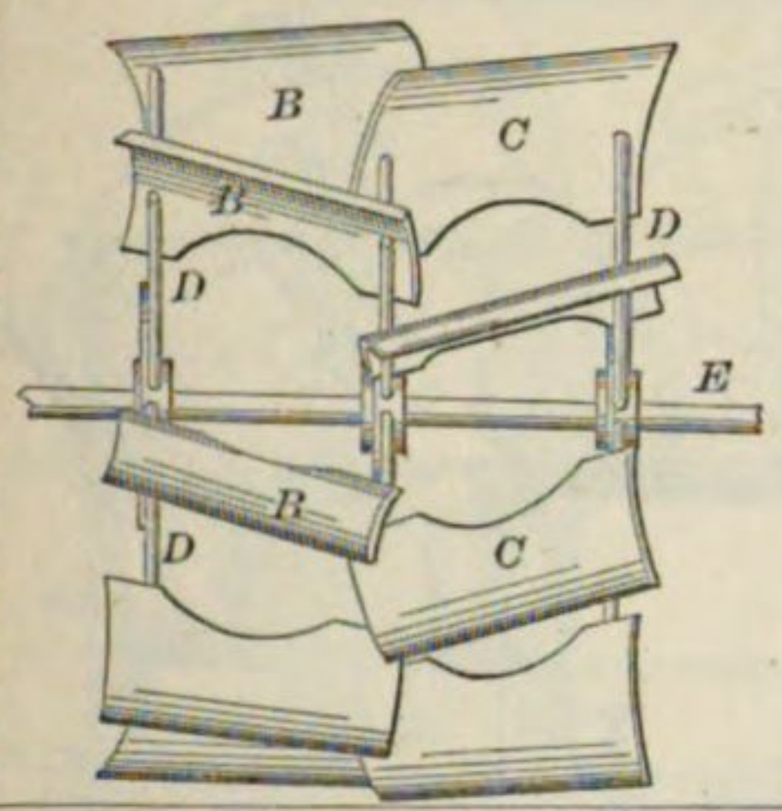
56830—M. A. Taylor—*Wash Boiler.*



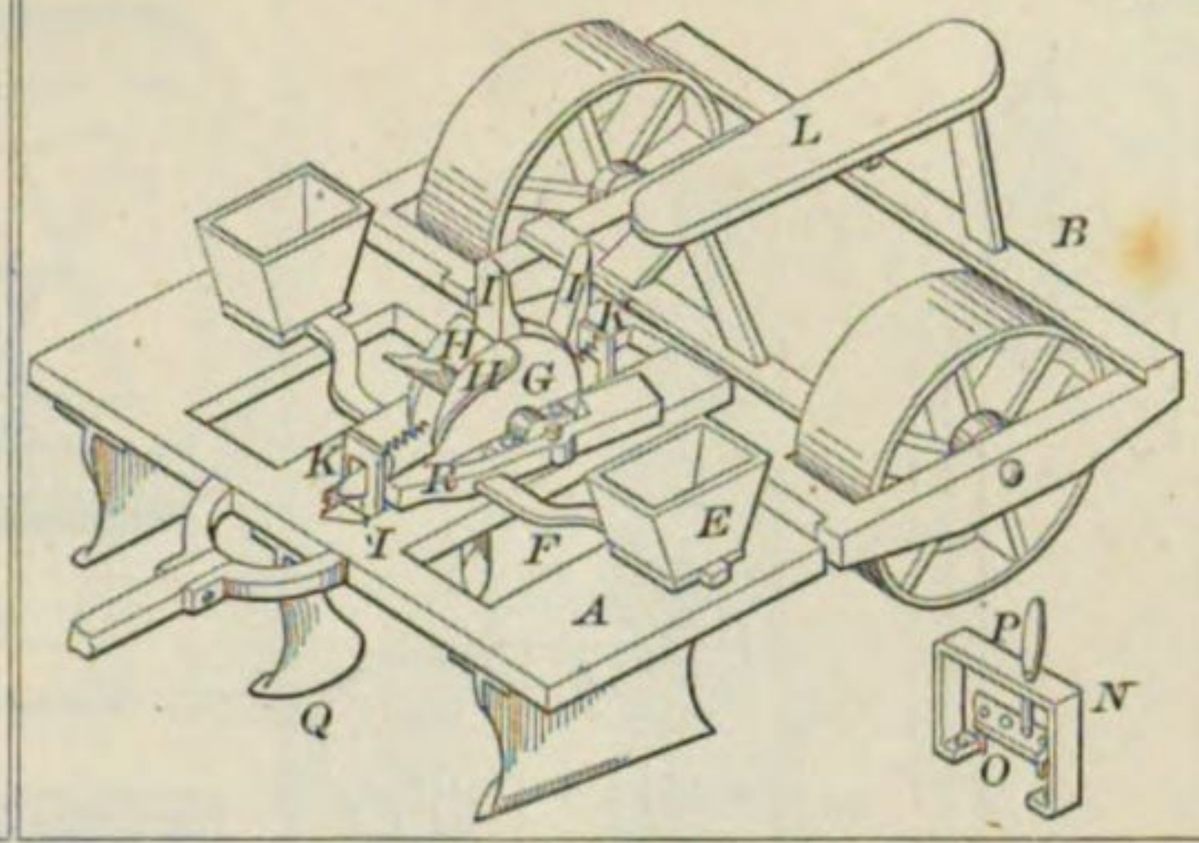
56831—C. W. Thompson—*Truss.*



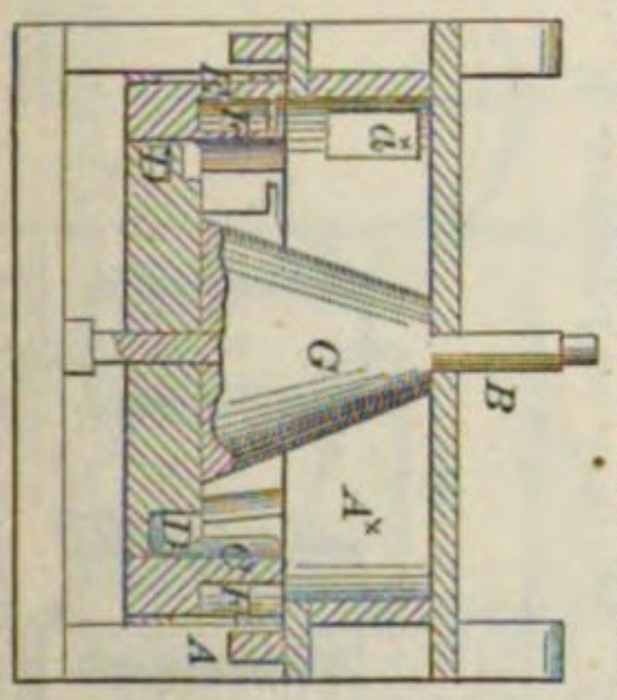
56834—C. A. Todd—*Paddle Wheel.*



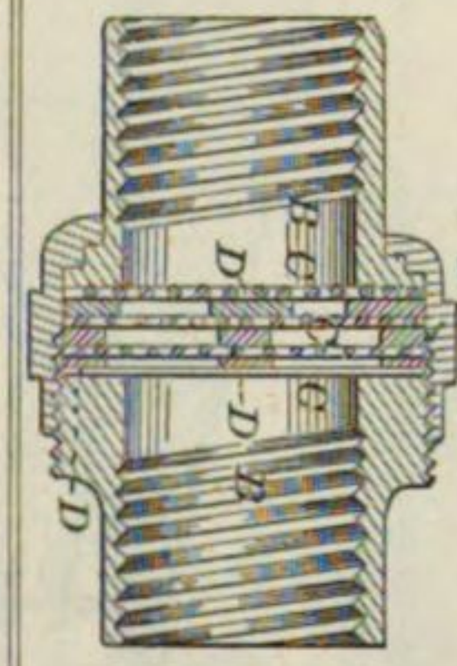
56839—D. R. Warfield—*Corn Planter.*



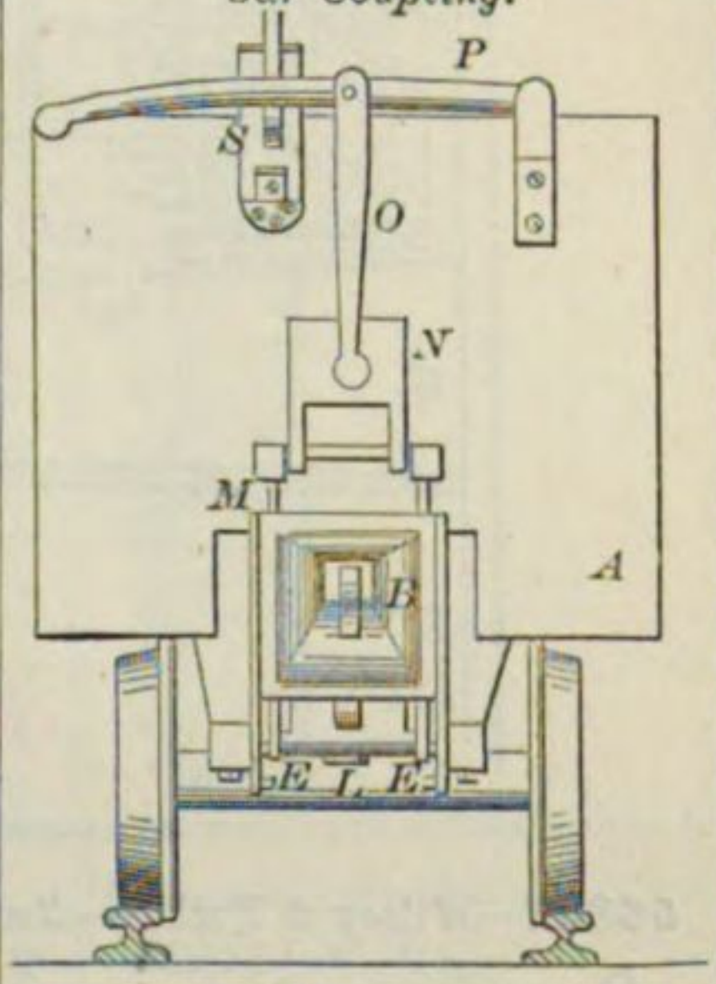
56835—J. Tucker—*Water Wheel.*



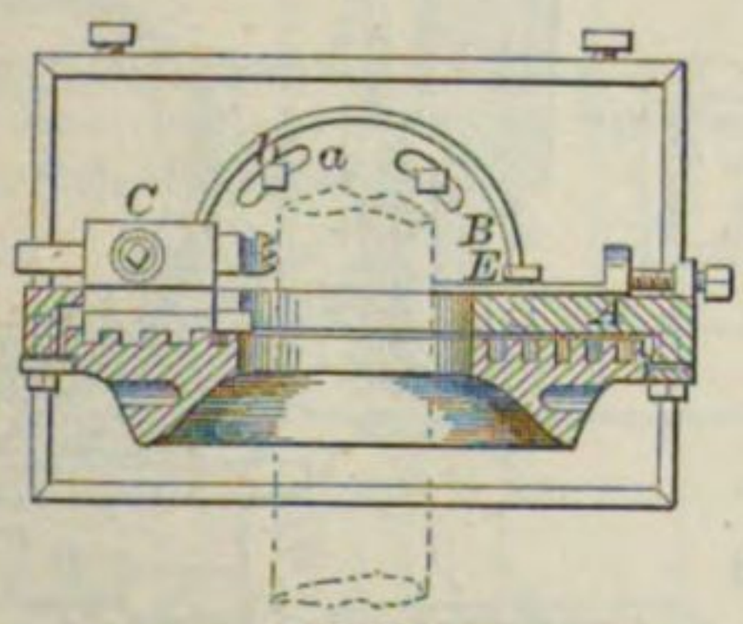
56836—Turrell, Stanton & Ward
Gas Pipe Attachment.

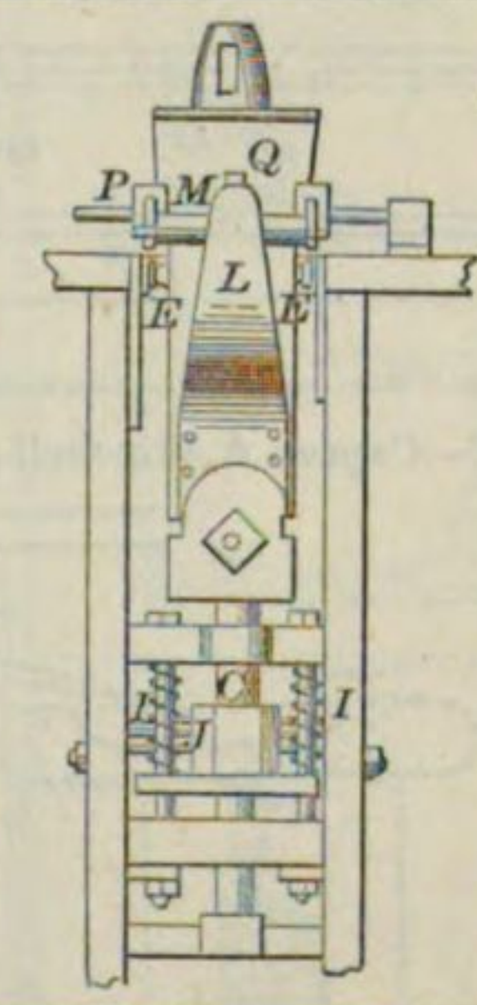


56837—W. Van Valkenburgh—
Car Coupling.

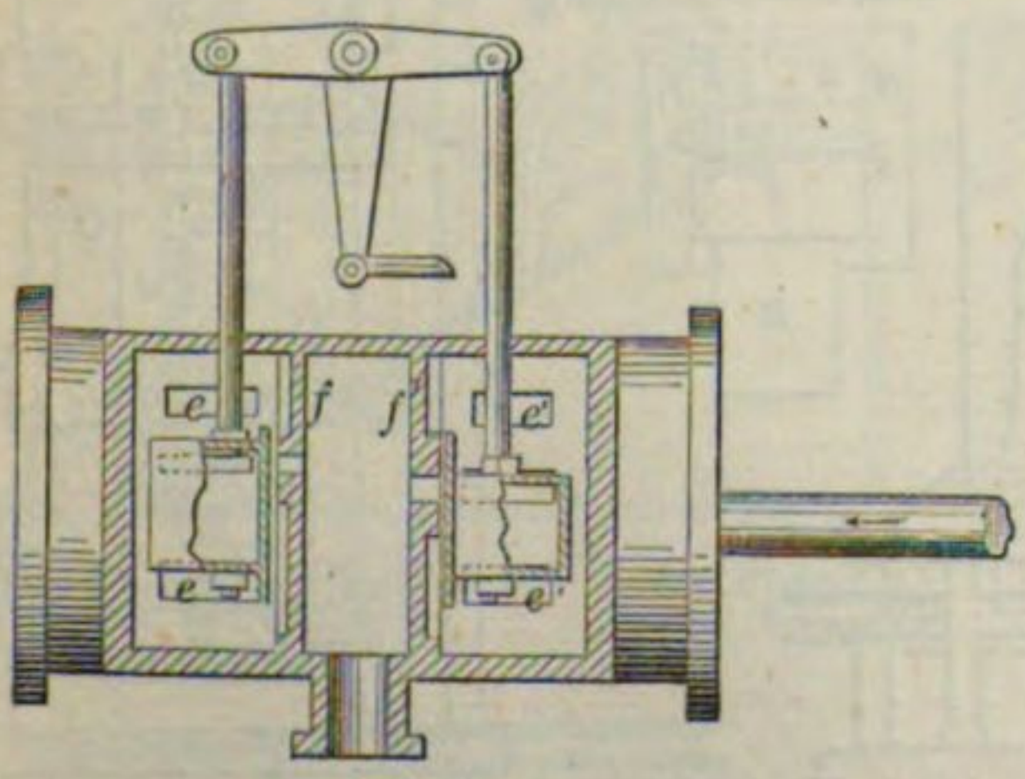


56840—J. Wolfenden—*Lathe.*

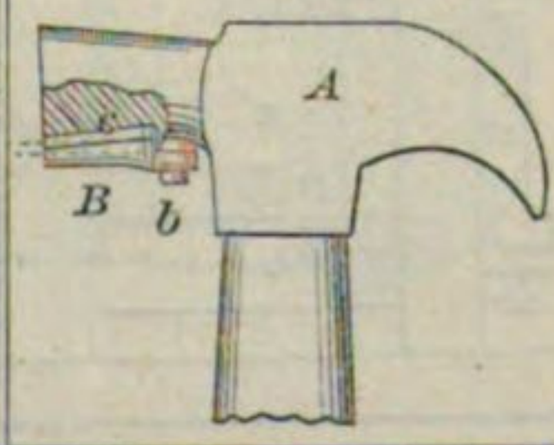




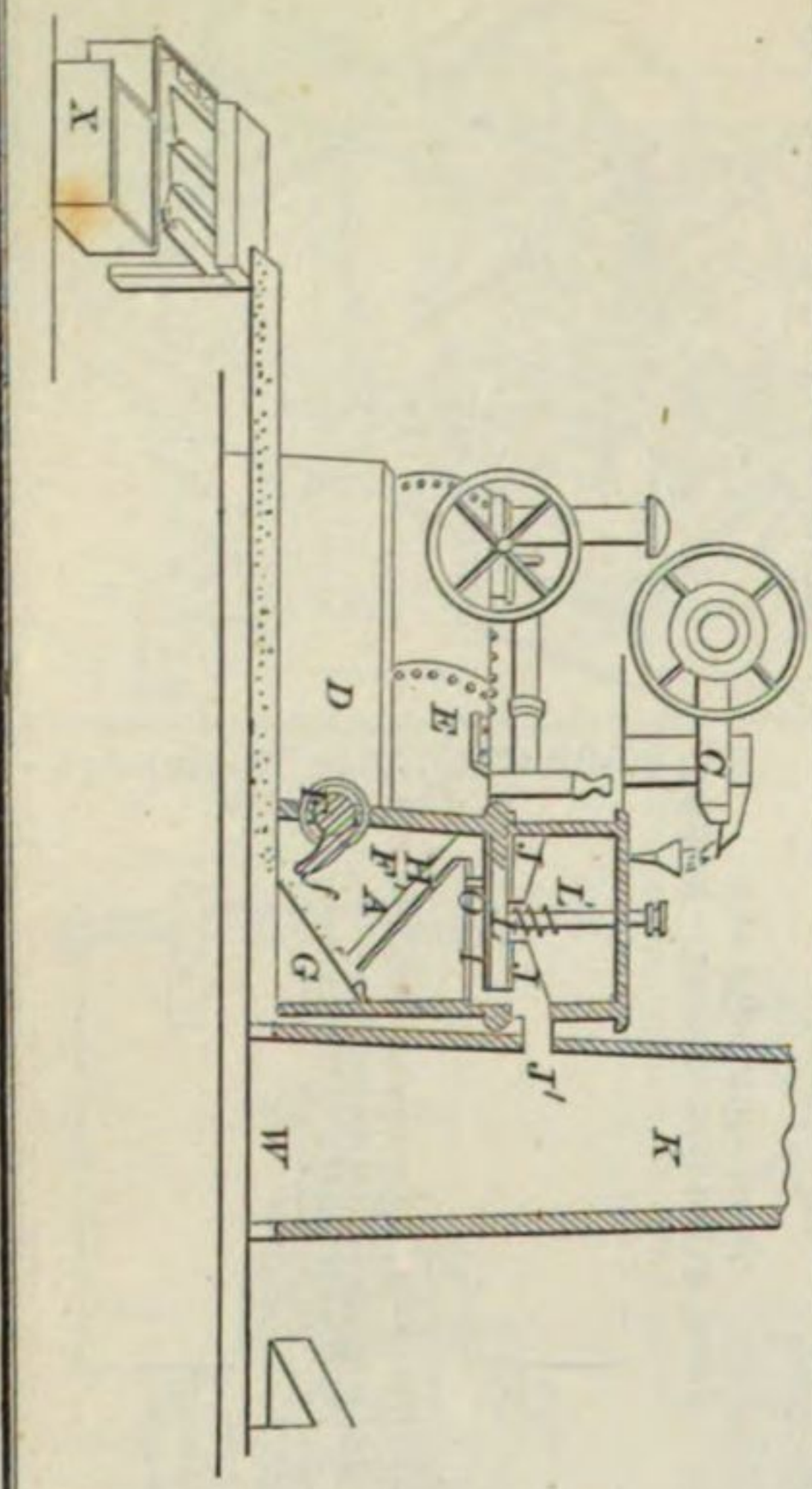
56841—A. H. Woodruff—*Slide Valve.*



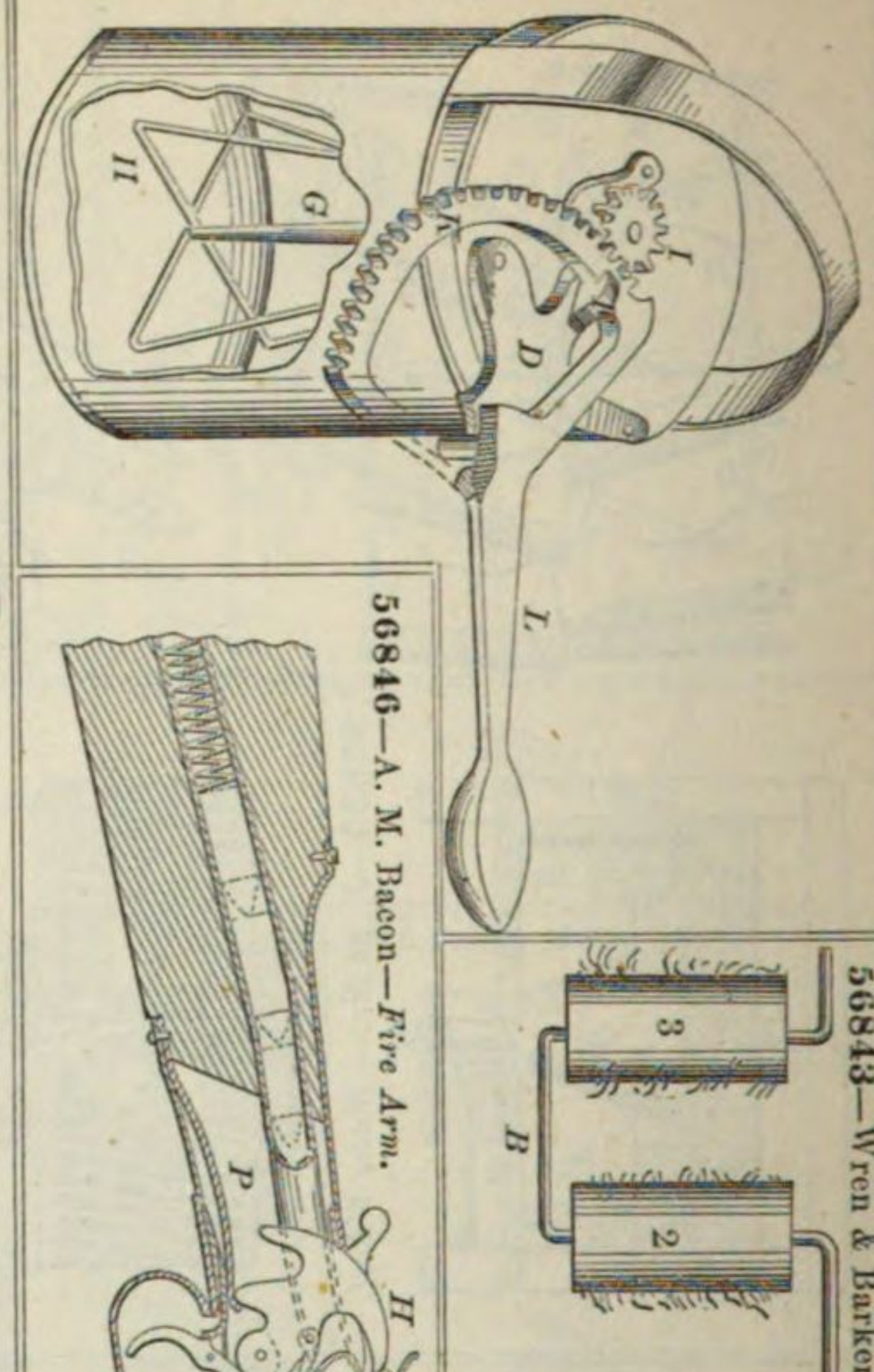
56838—W. G. Ward—*Nail Hammer.*



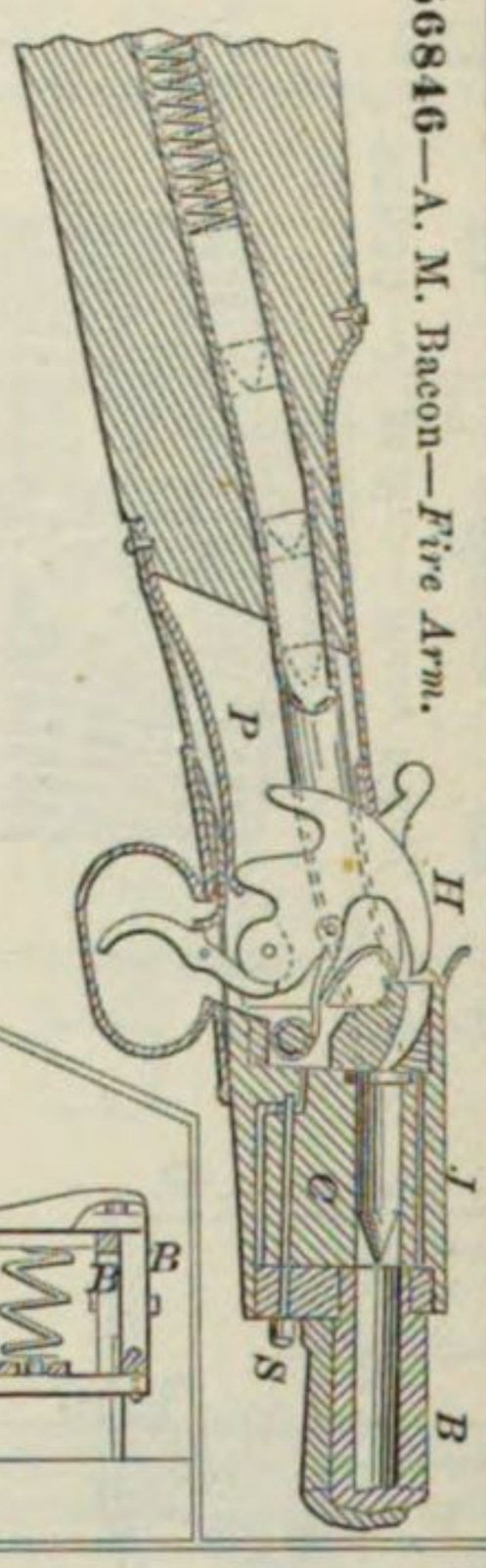
56842—T. D. Worrall—*Furnace.*



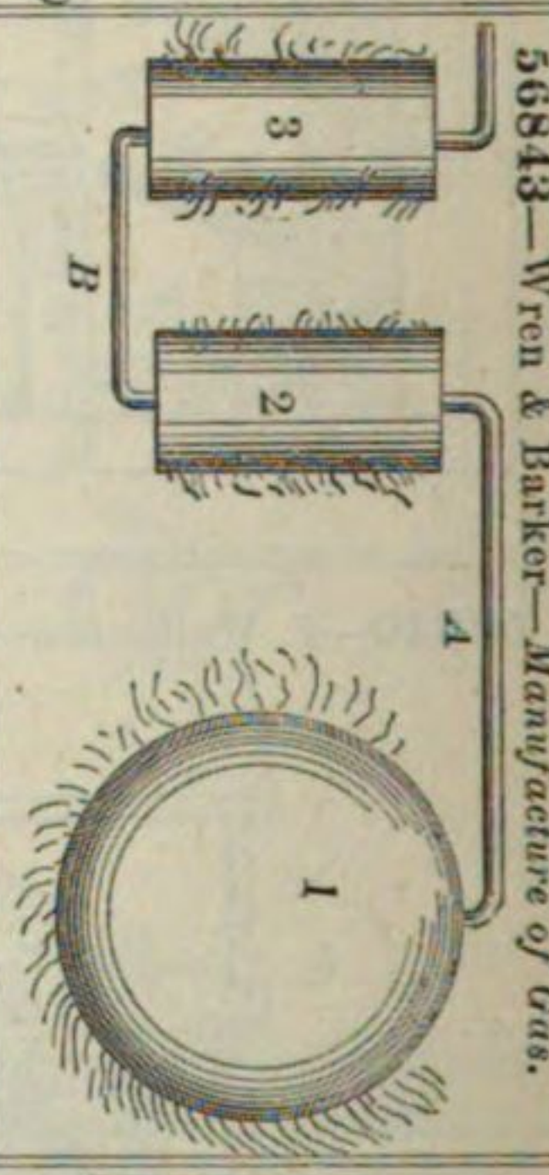
56845—L. B. Alden—*Egg Beater.*



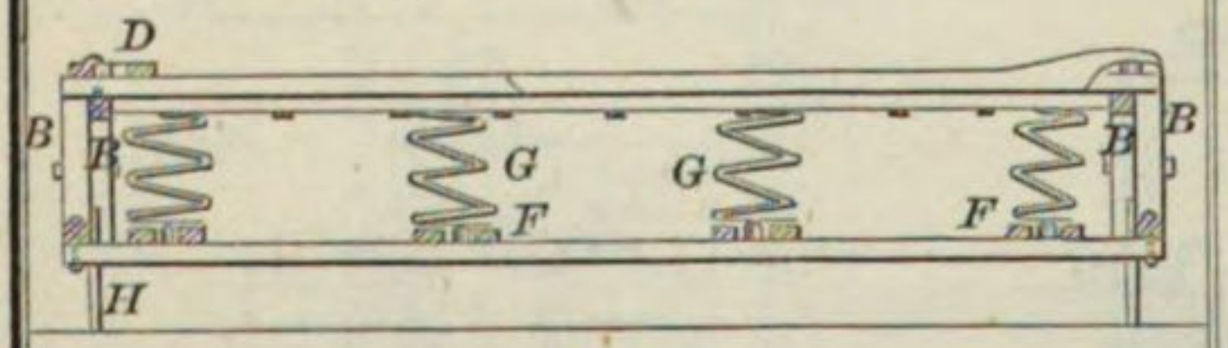
56846—A. M. Bacon—*Fire Arm.*



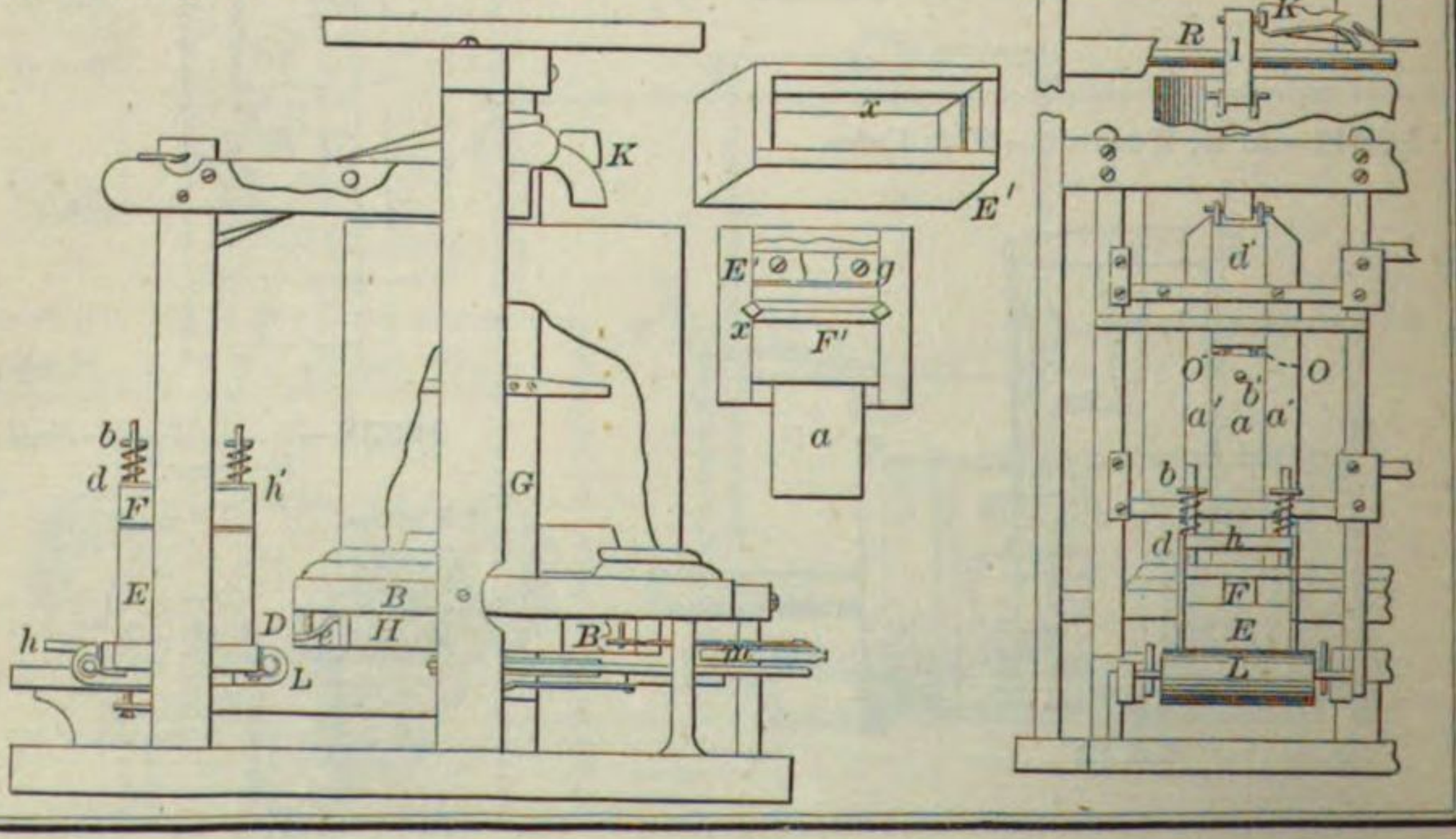
56843—Wren & Barker—*Manufacture of Gas.*



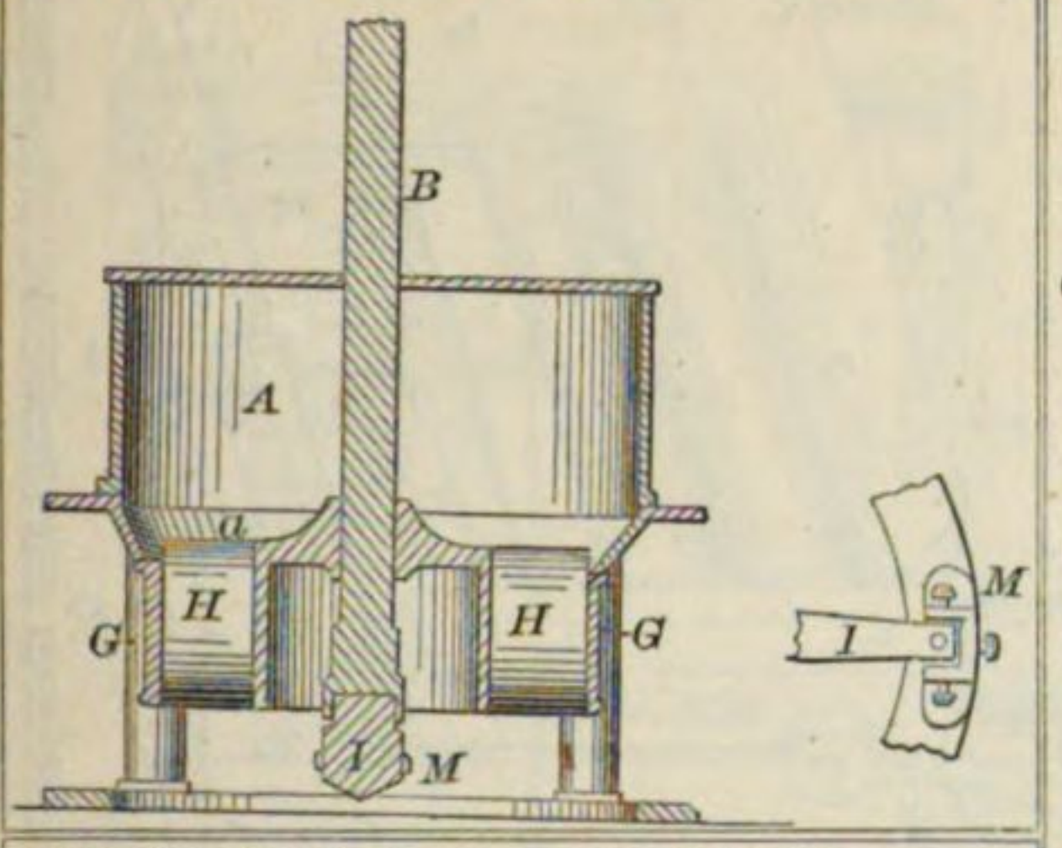
56844—Wilsey & Forbes—*Bed Bottom.*



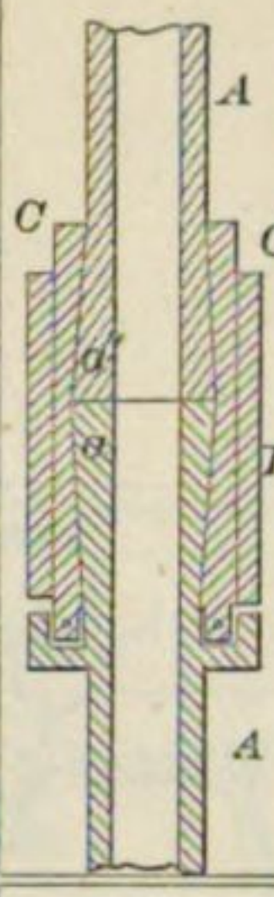
56847—Capron & Winchell—*Brick Machine.*



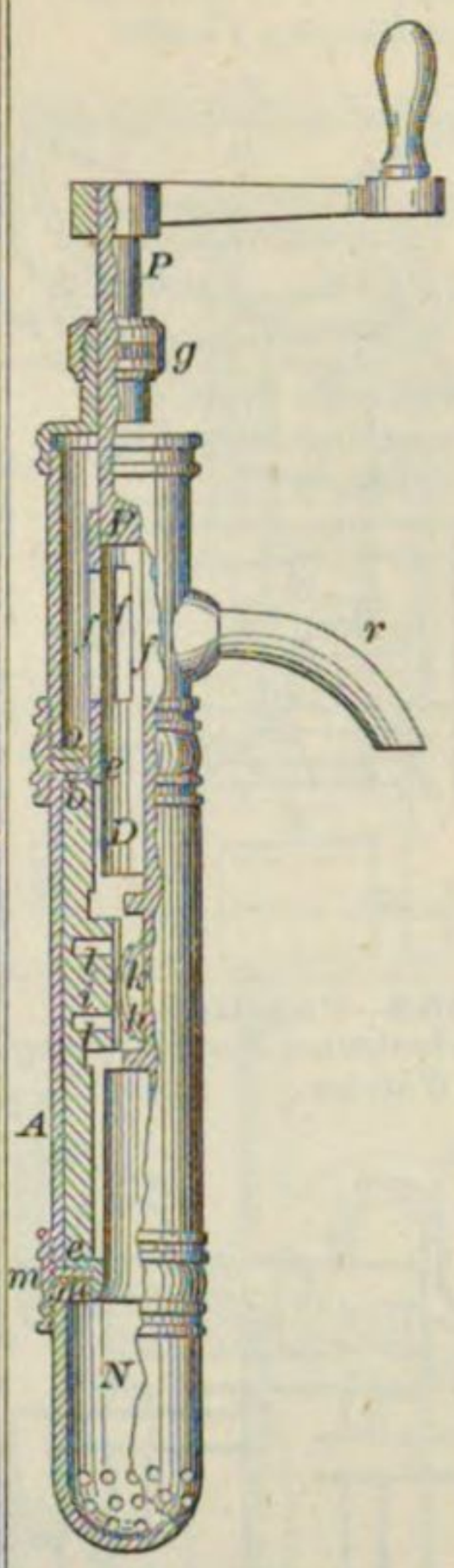
56848—J. D., D. & J. Chase—*Water Wheel.*



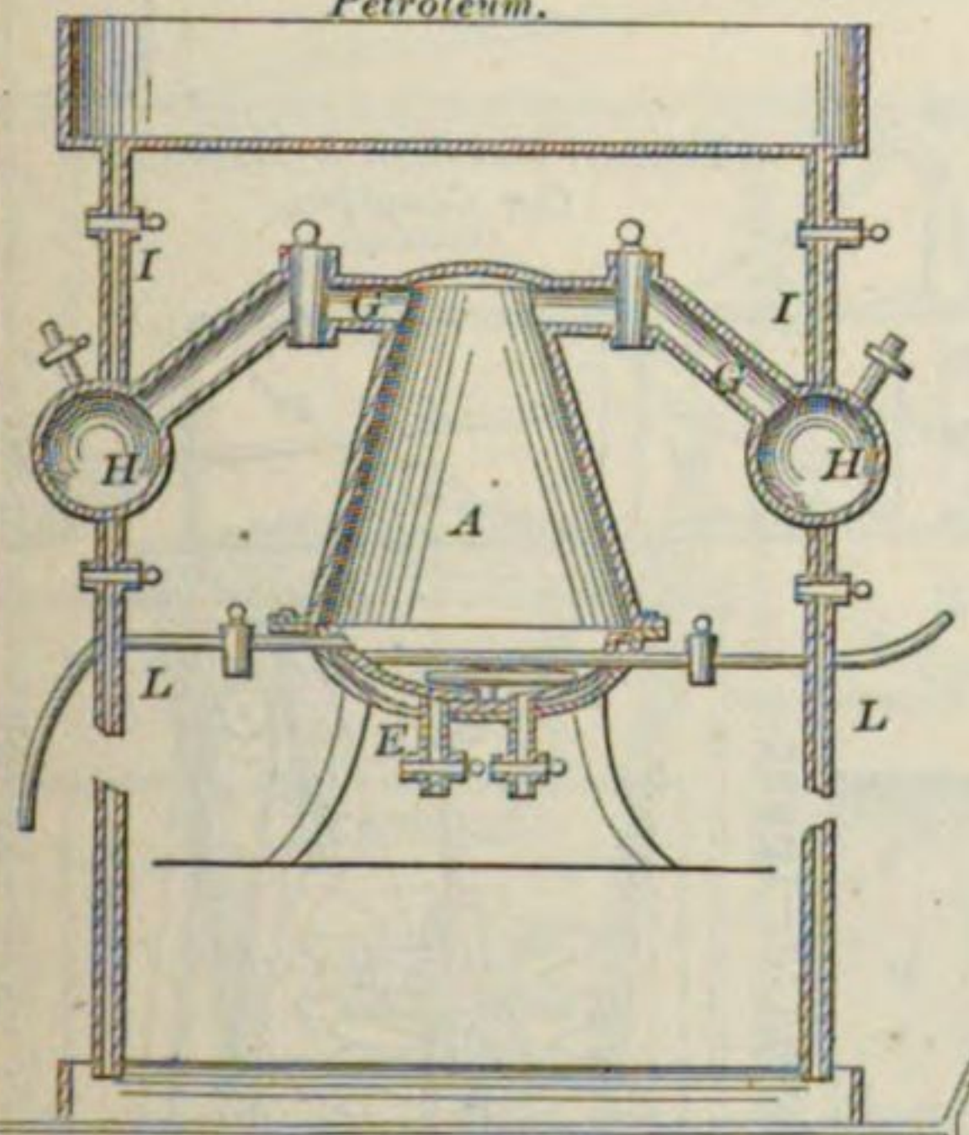
56849—D. Daltry—*Rod Coupling.*



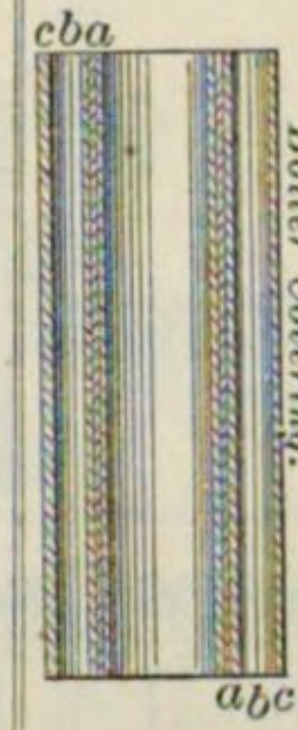
56850—R. Defrees—*Rotary Pump.*



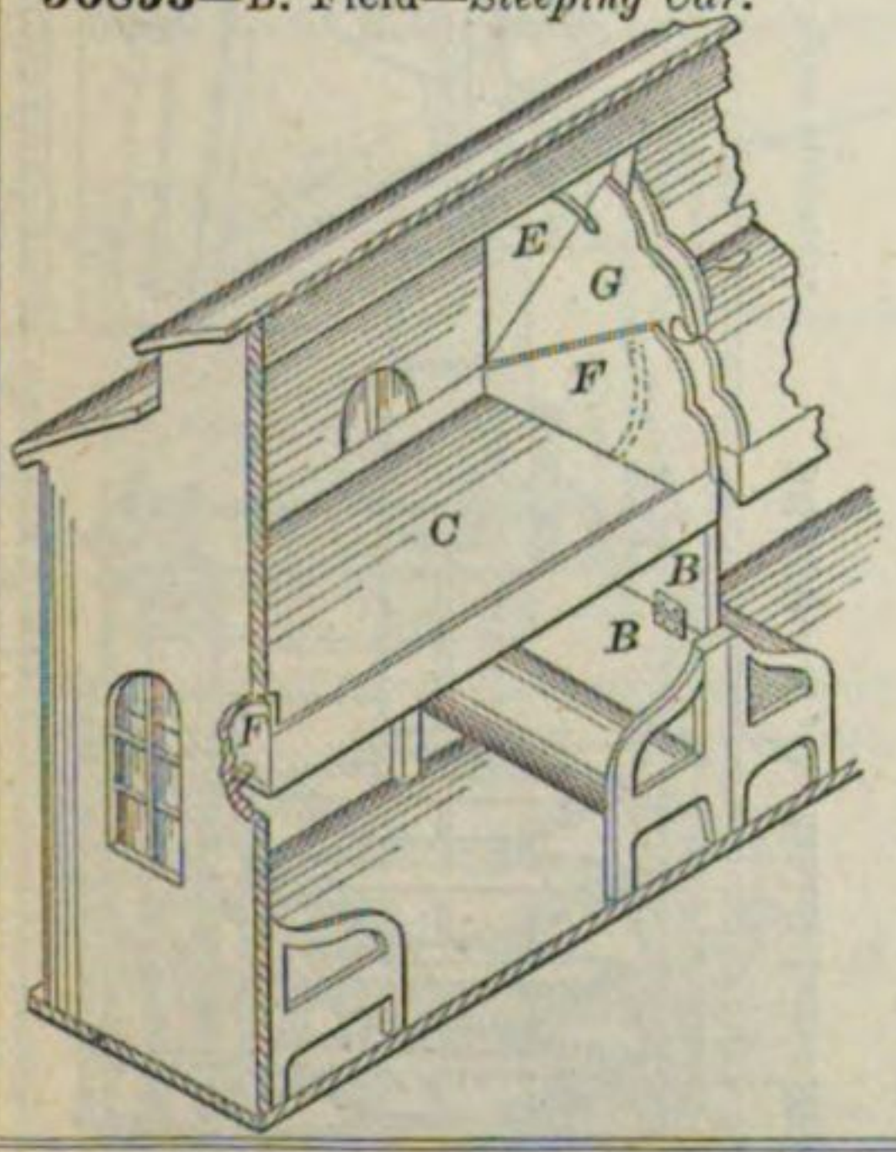
56852—M. P. Euring—*For Distilling Petroleum.*



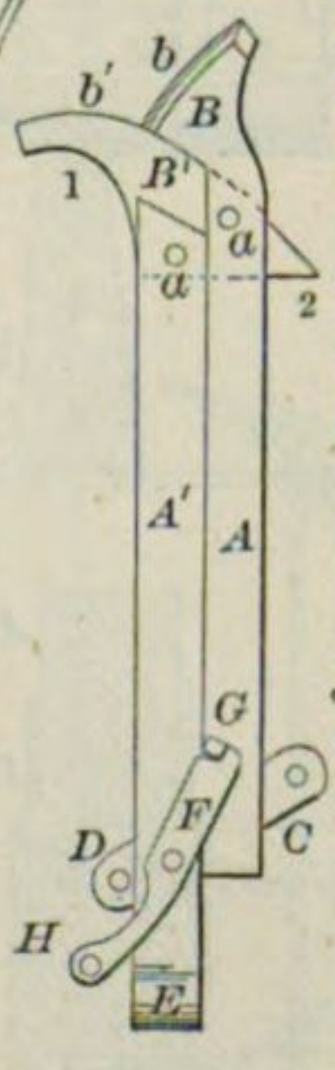
56856—E. C. Little—*Steam Pipe and Boiler Covering.*



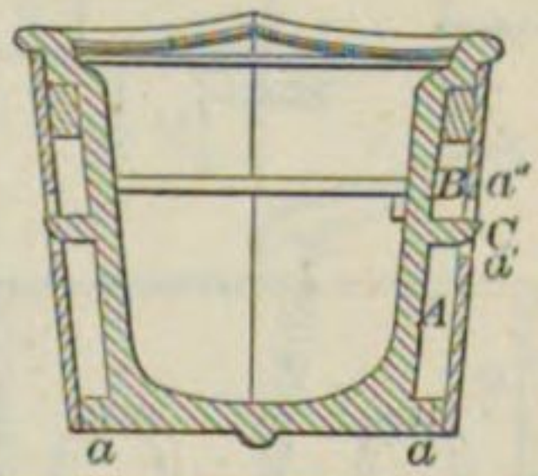
56853—B. Field—*Sleeping Car.*



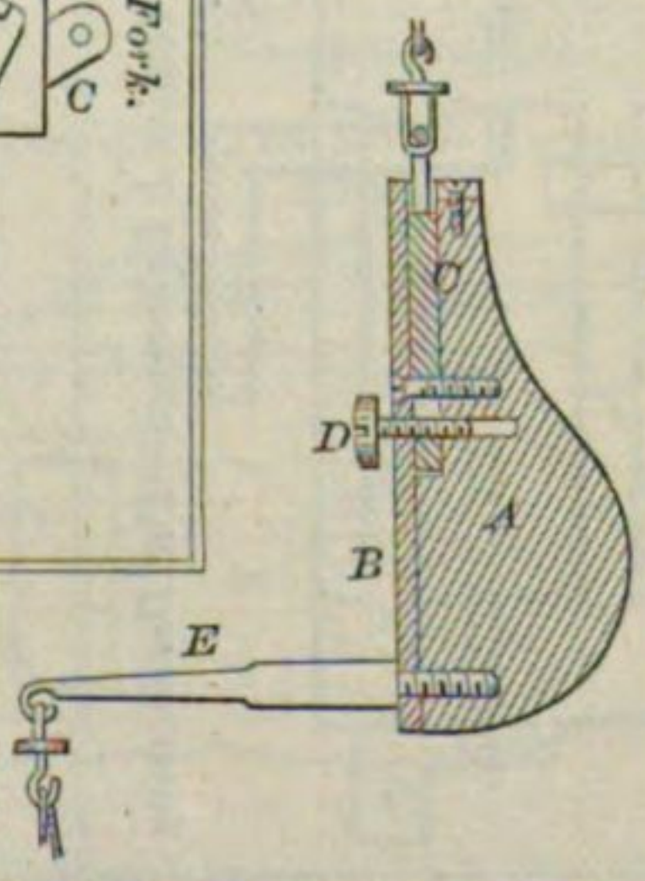
56851—J. B. Drake—*Horse Hay Fork.*



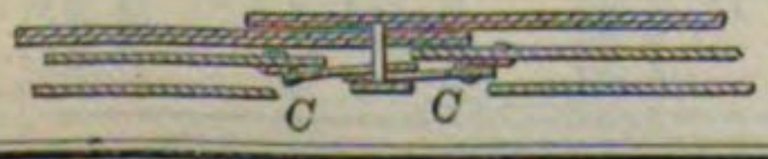
56855—W. Hughes—*Life Boat.*



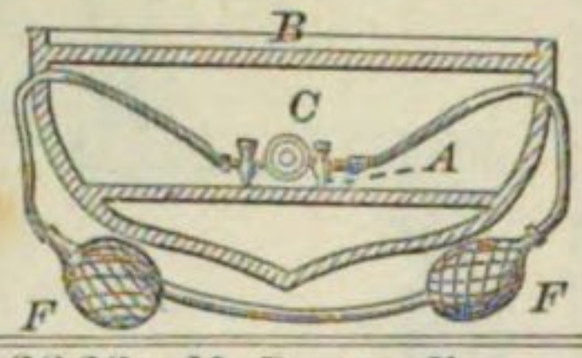
56857—J. R. Martin—*Fishing Line.*



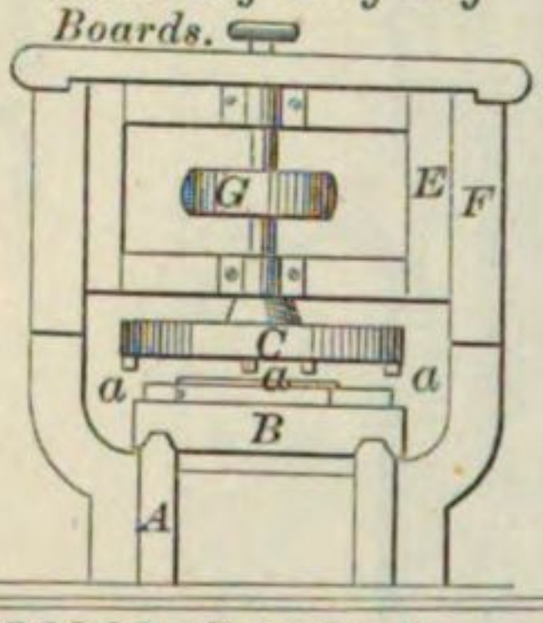
56854—S. Hodgins—*Paper Collar Fastening.*



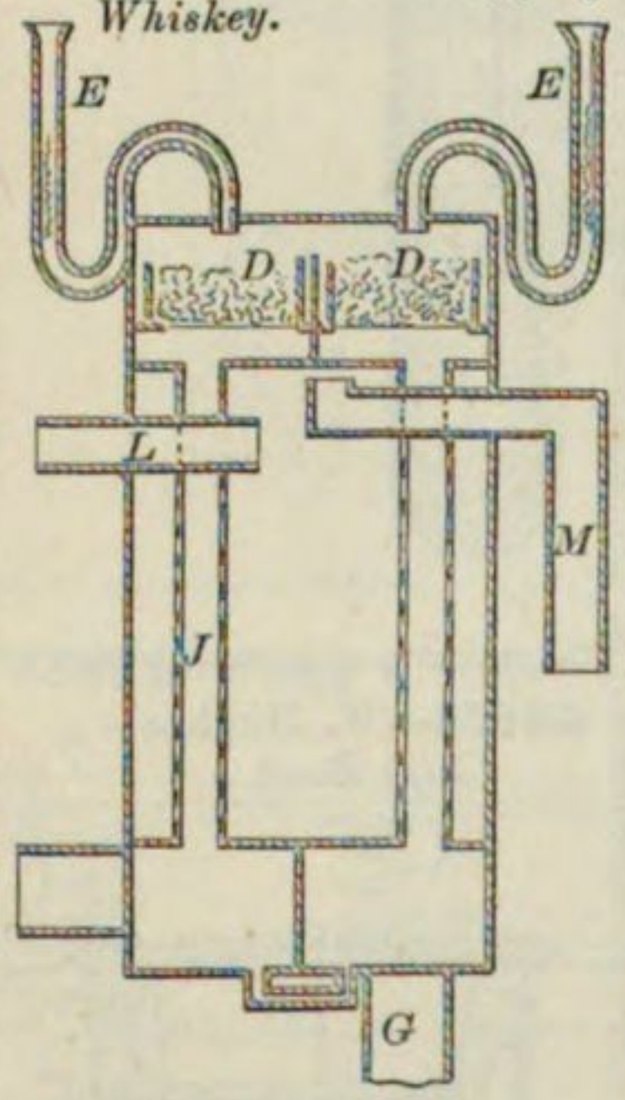
56858—T. C. McKeen—*For Buoying Vessels.*



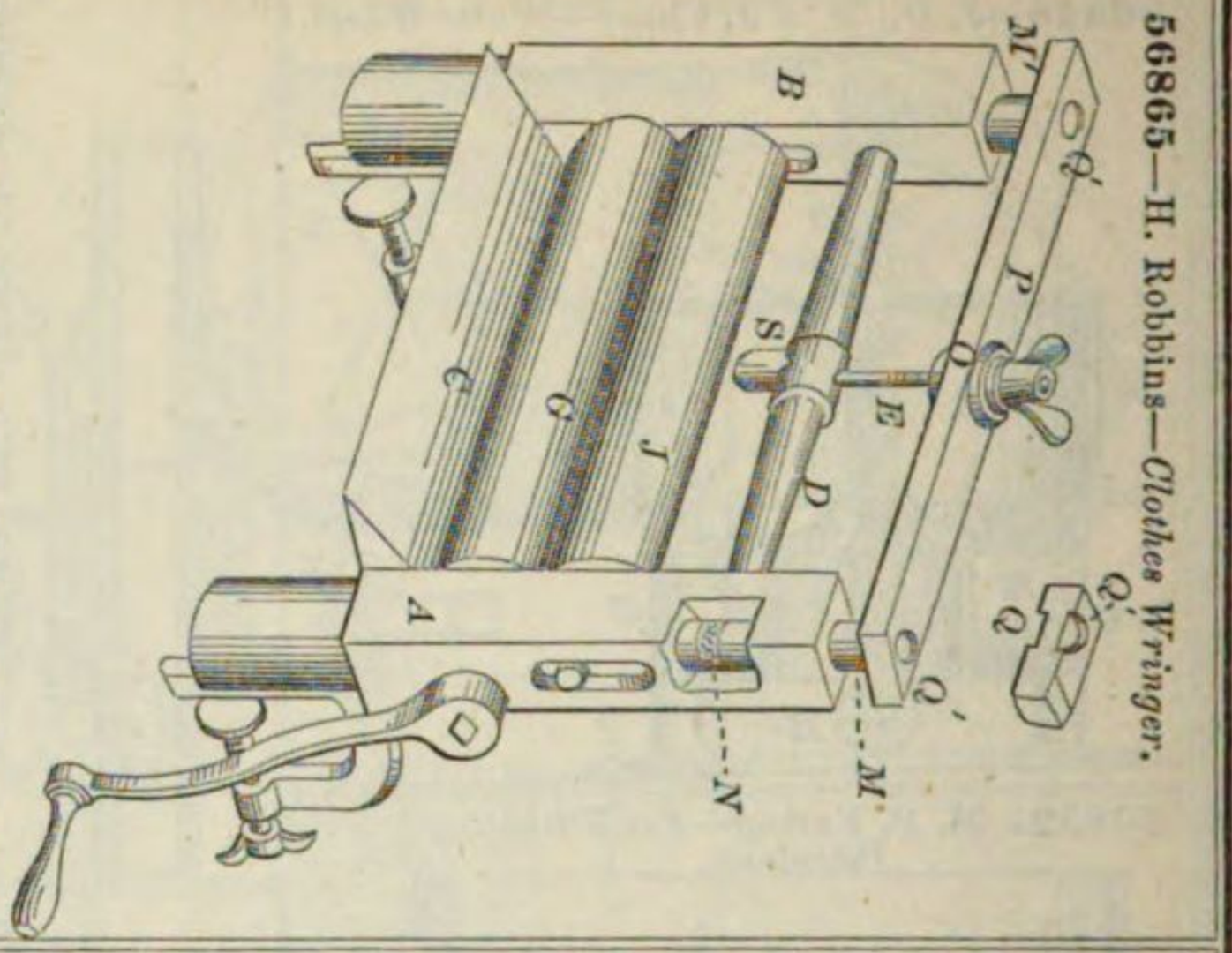
56862—M. Pratt—*For Smoothing Ivory Key Boards.*



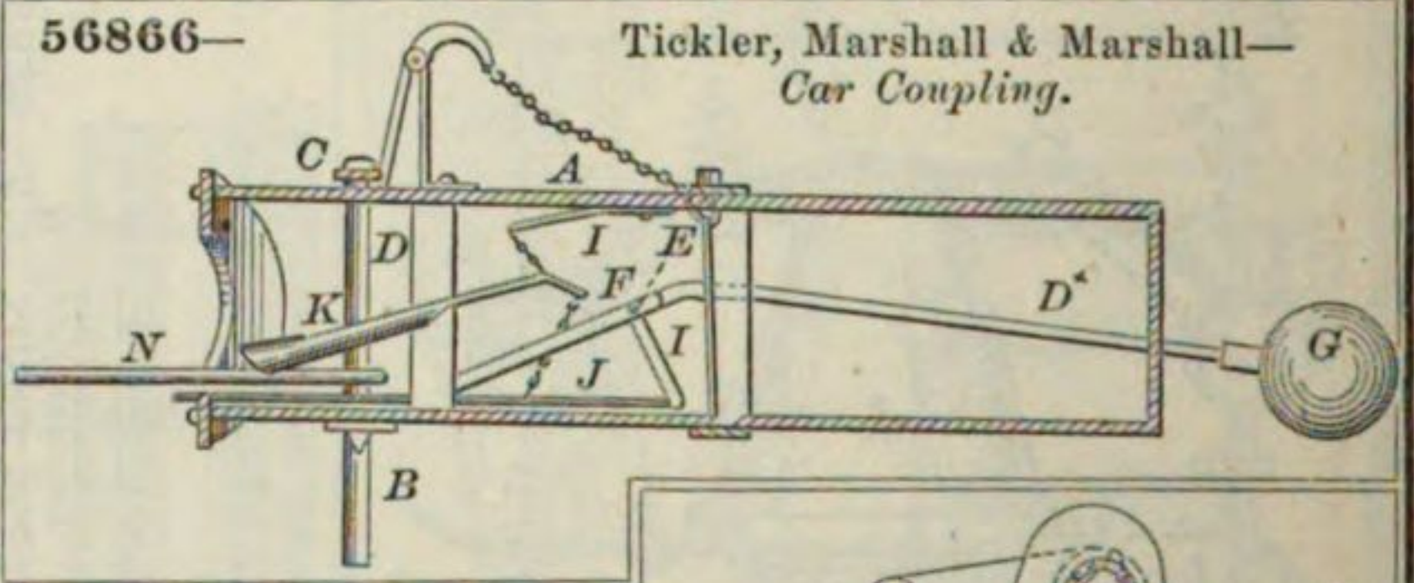
56863—Prentiss & Robertson—*For Purifying Whiskey.*



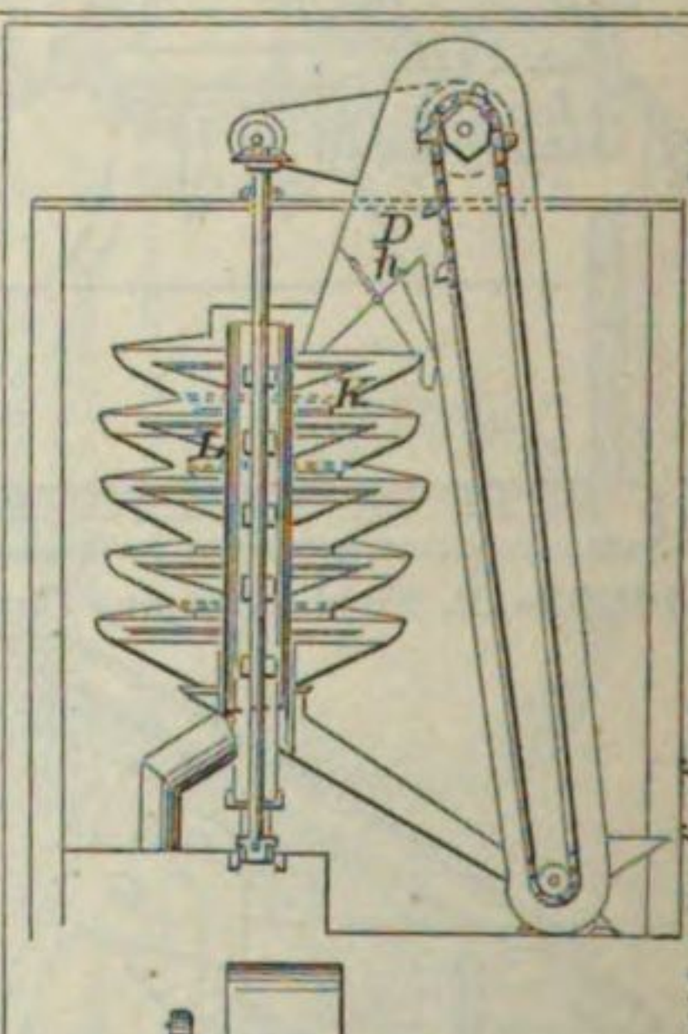
56865—H. Robbins—*Clothes Wringer.*



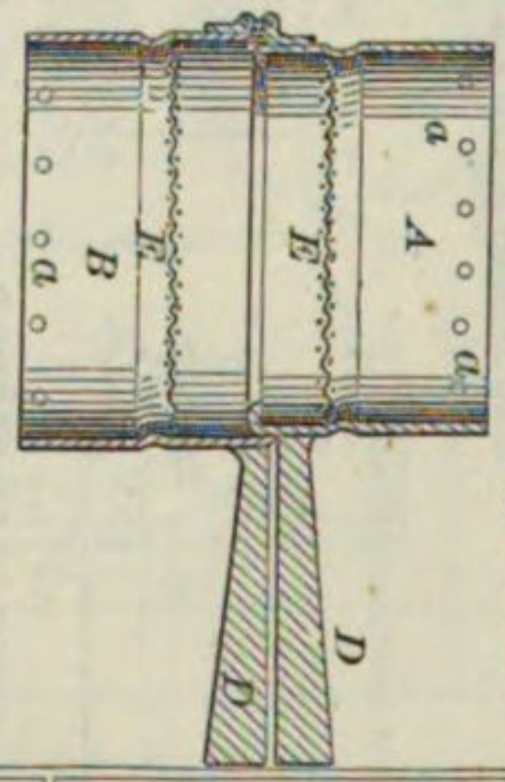
56866—Tickler, Marshall & Marshall—*Car Coupling.*



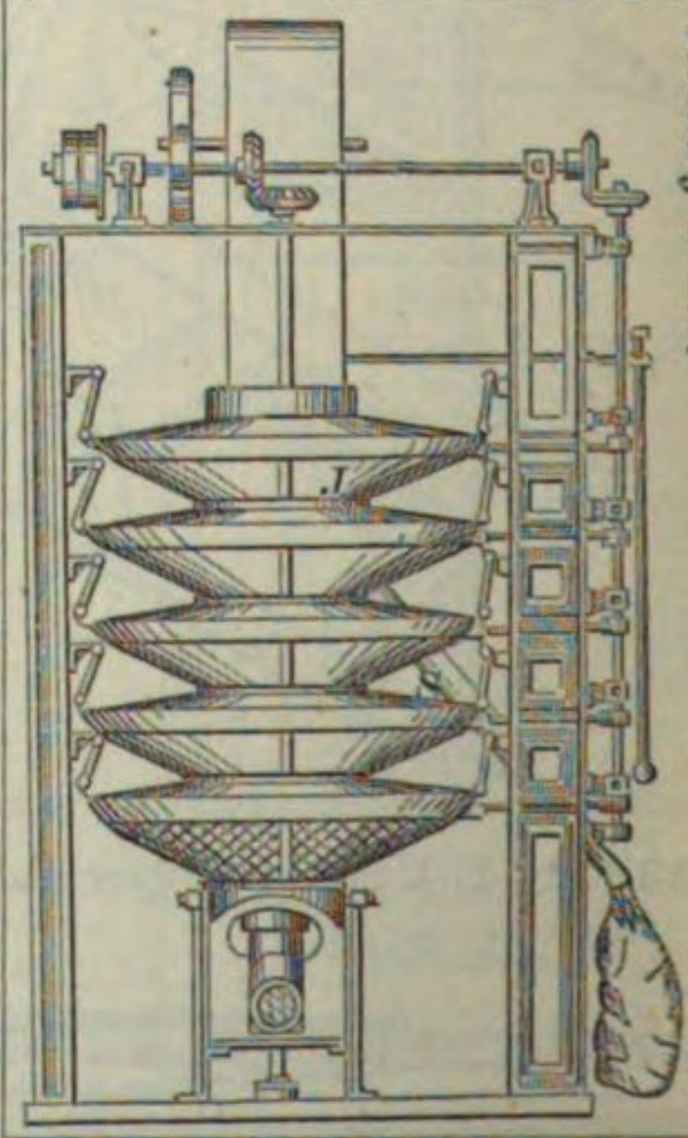
56868—A. Tonnar—*For Drying and Cleaning Grain.*



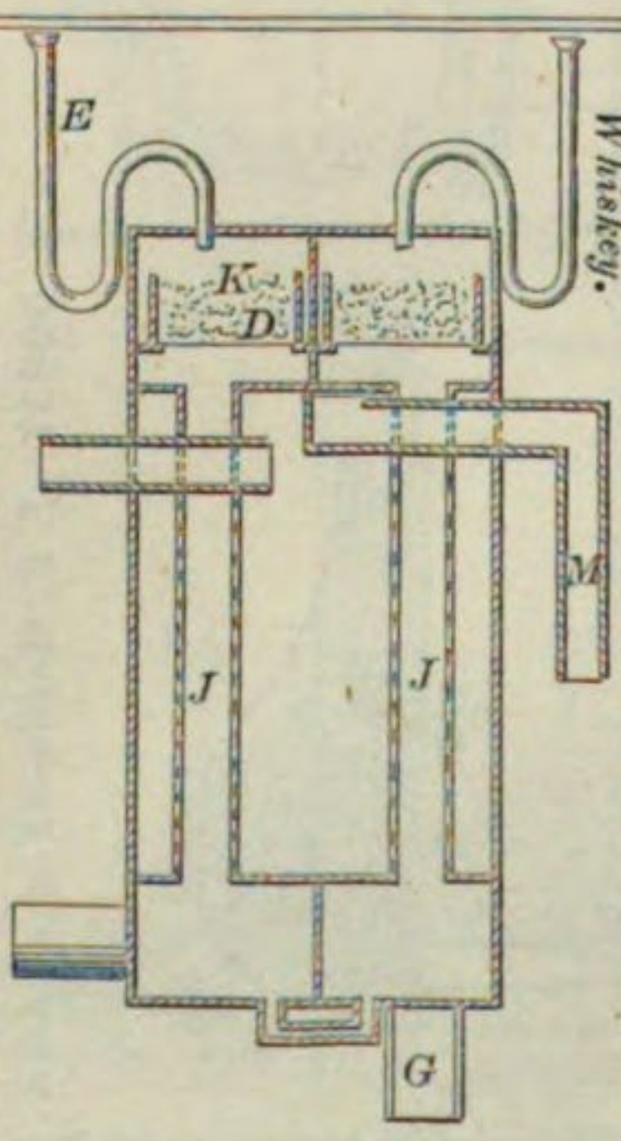
56861—P. Plant—*Coffee Roaster.*

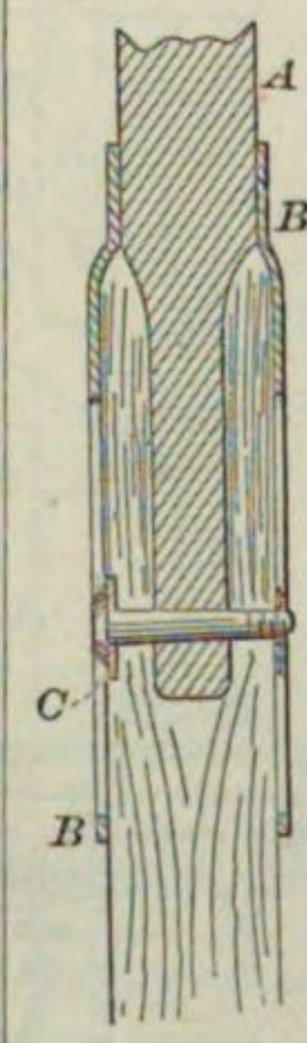


56859—W. A. Middleton—*Broom Head.*

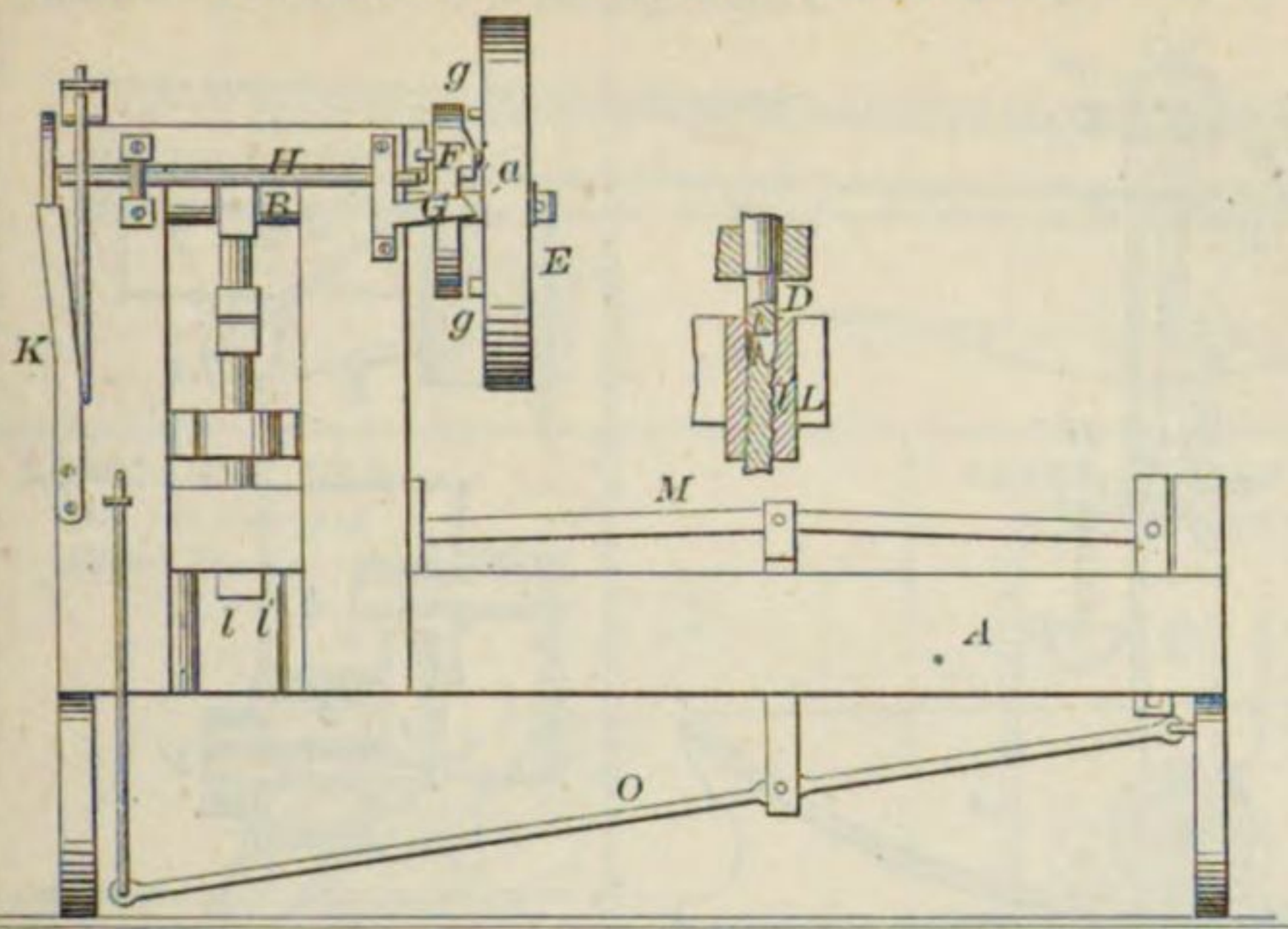


56864—Prentiss & Robertson—*For Deodorizing Whiskey.*

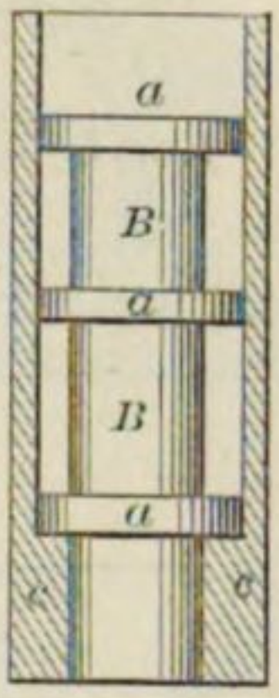




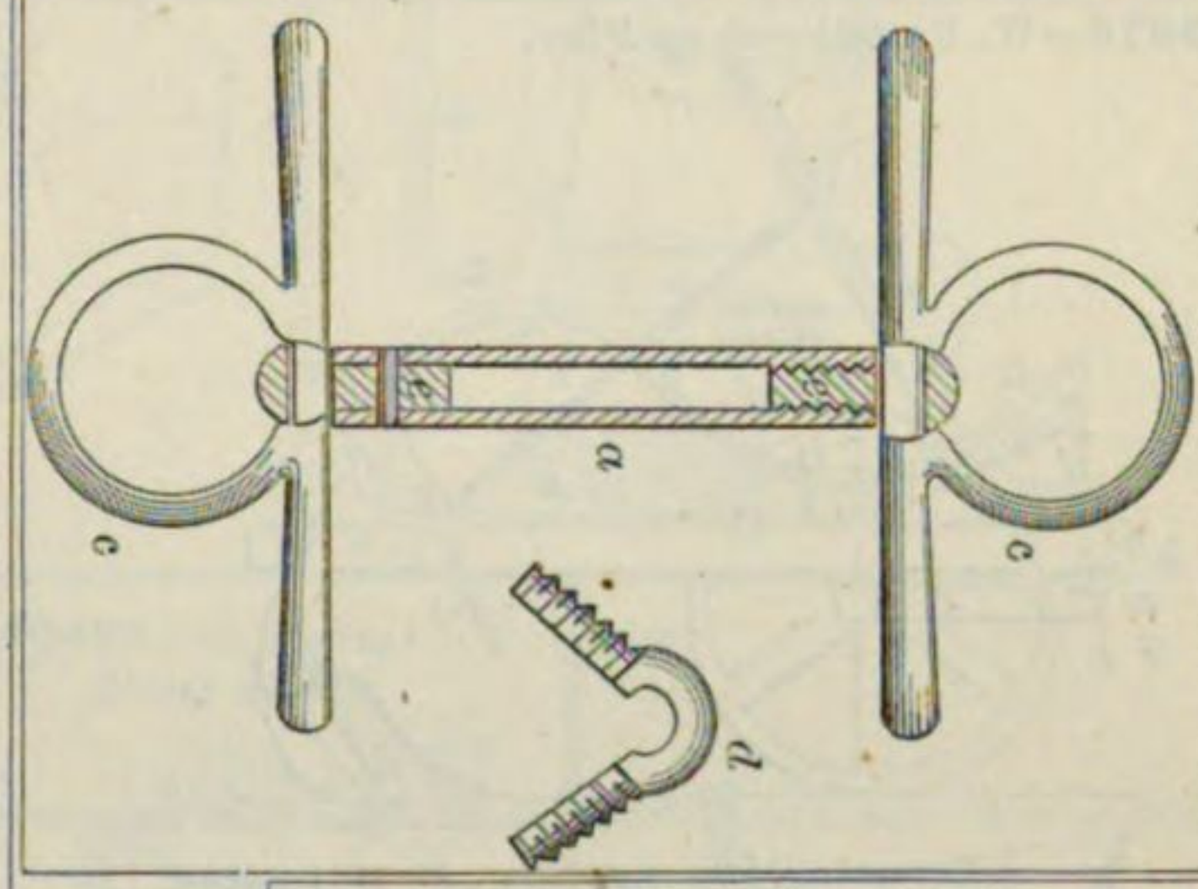
56869—R. Jennings—*For Swaging Screw Auger Heads.*



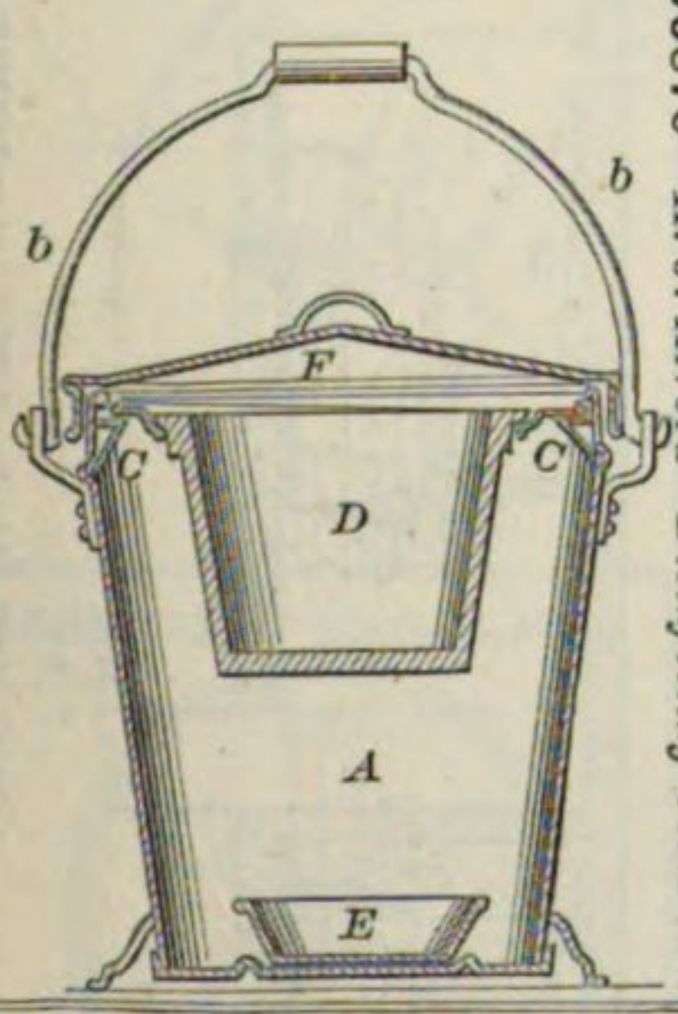
56871—M. J. Atthouse—*Pump.*



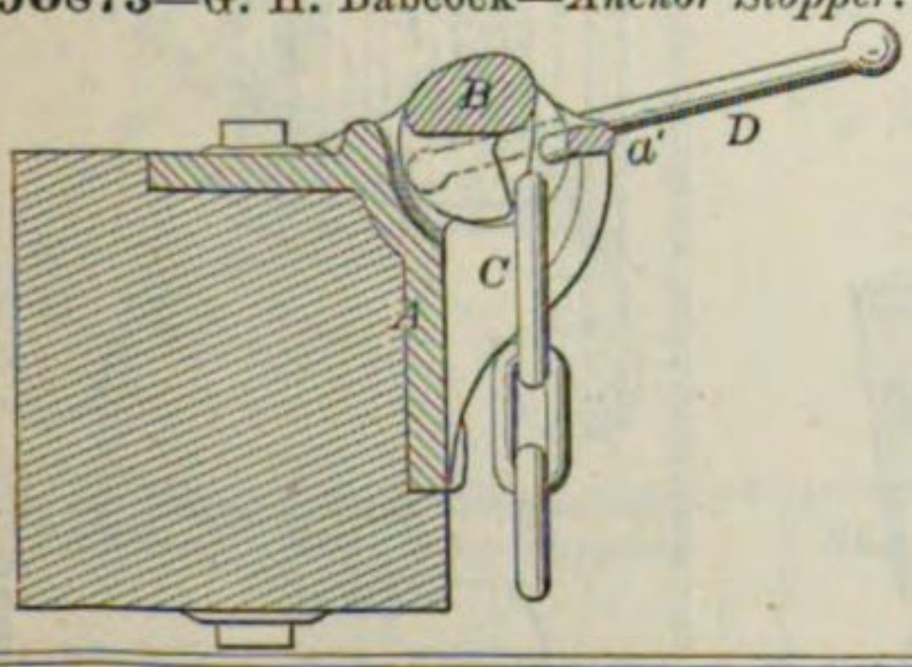
56872—S. D. Arnold—*Bridle Bit.*



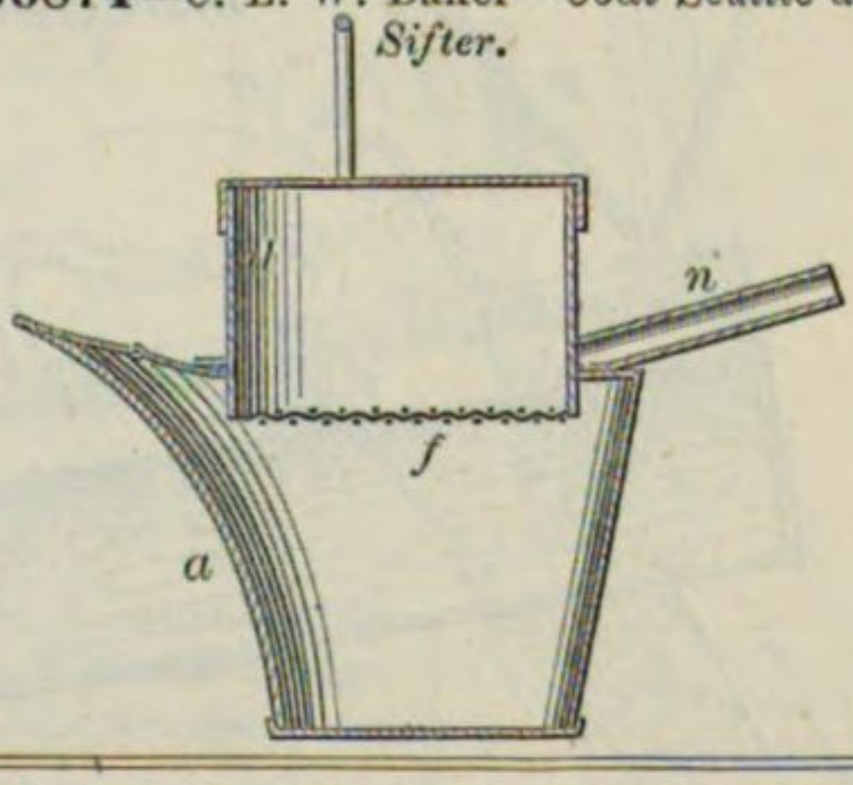
56870—H. J. Alvord—*Disinfecting Commode.*



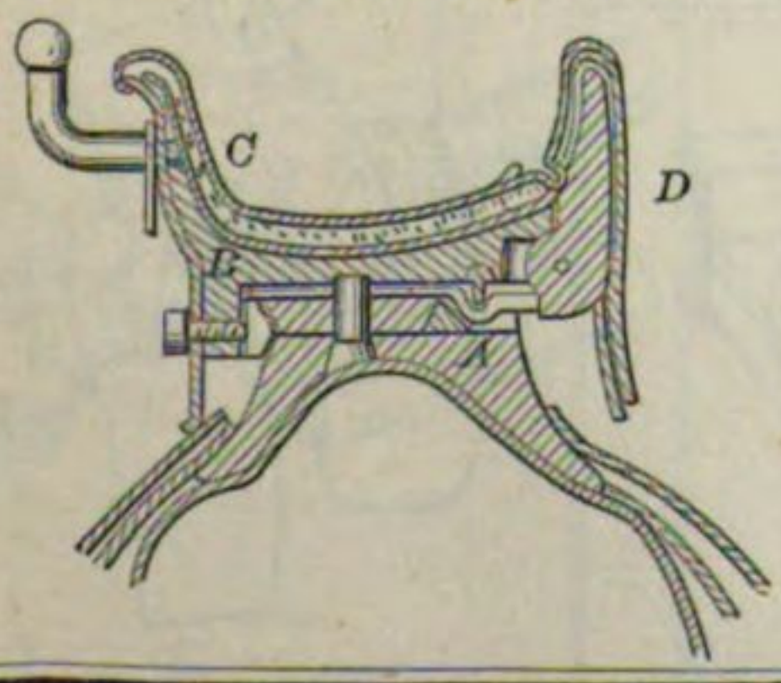
56873—G. H. Babcock—*Anchor Stopper.*



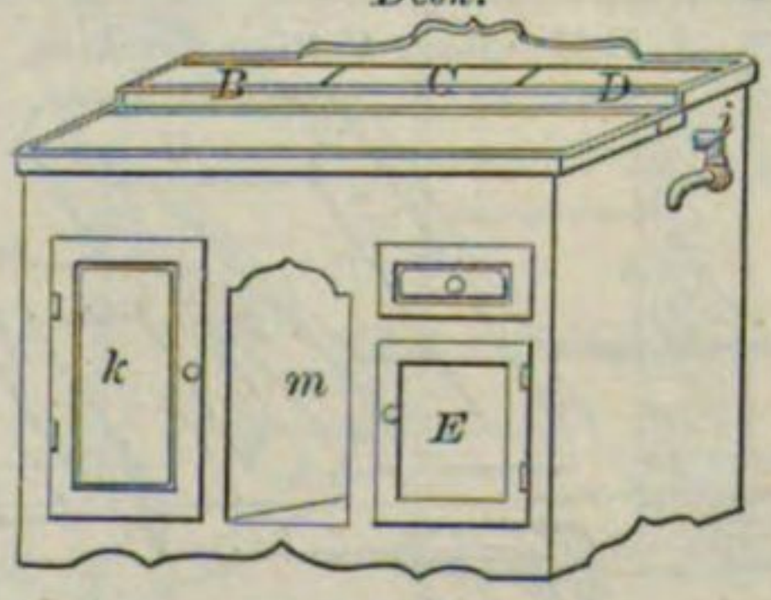
56874—C. L. W. Baker—*Coal Scuttle and Sifter.*



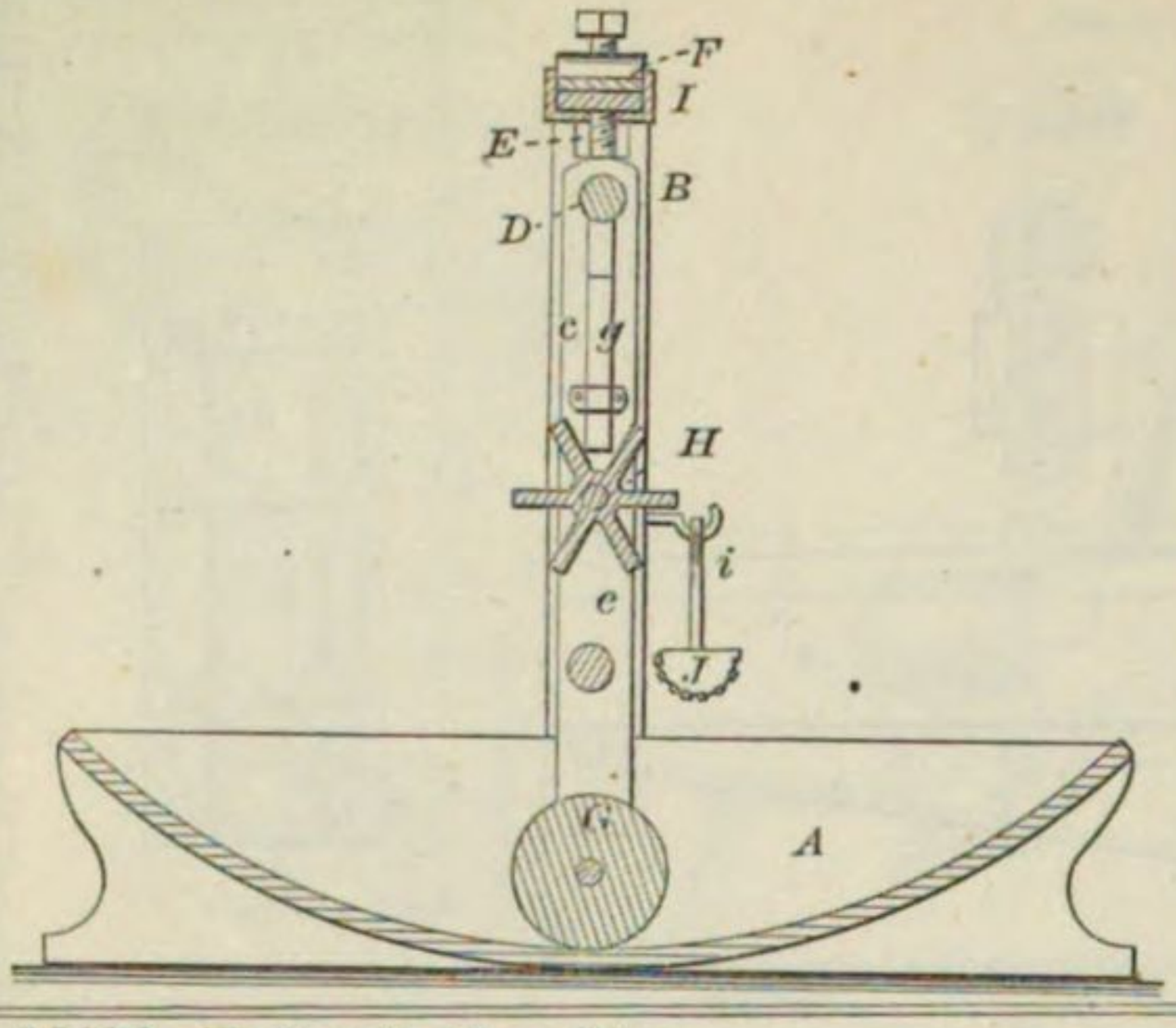
56875—C. A. Bartlett—*Side Saddle.*



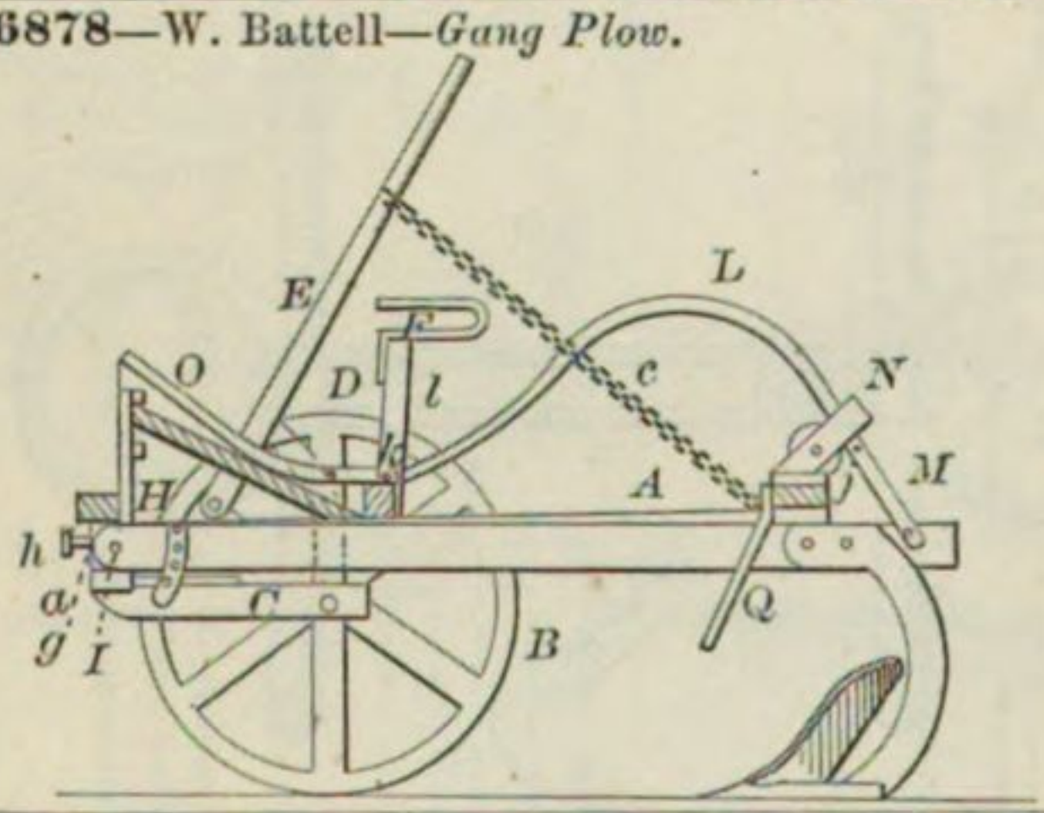
56876—D. W. Bashore—*Washstand and Desk.*



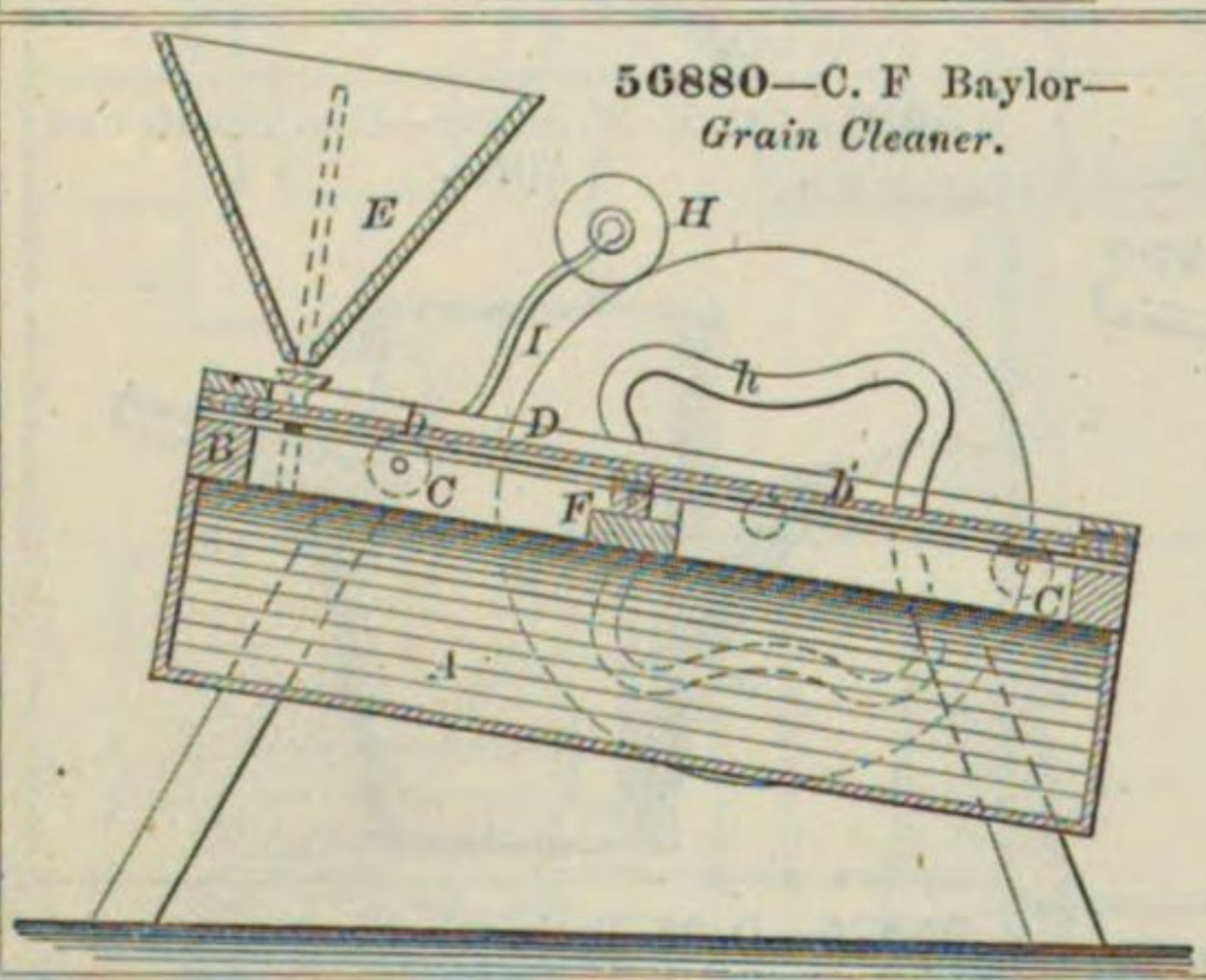
56877—C. Bates—*Crushing and Rolling Machine.*



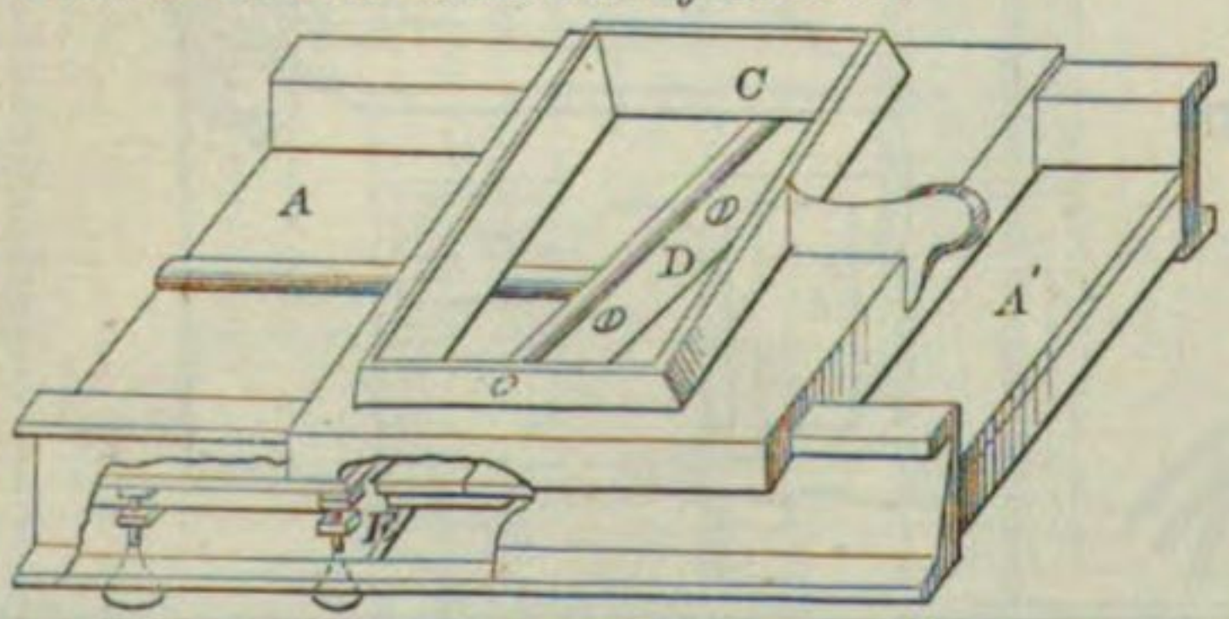
56878—W. Battell—*Gang Plow.*



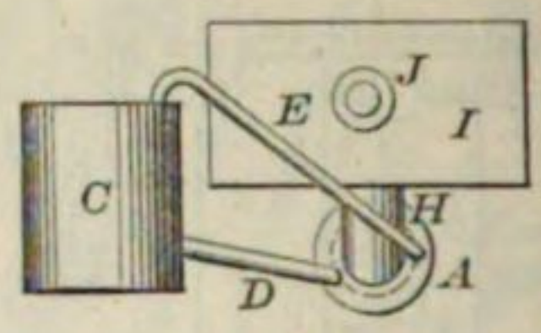
56880—C. F Baylor—
Grain Cleaner.

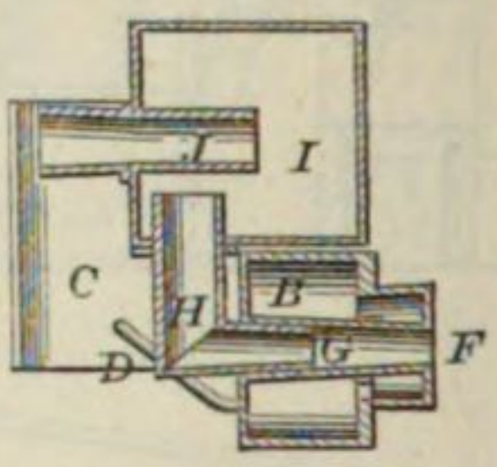


56883—J. Bell—*Stave Cutting Machine.*

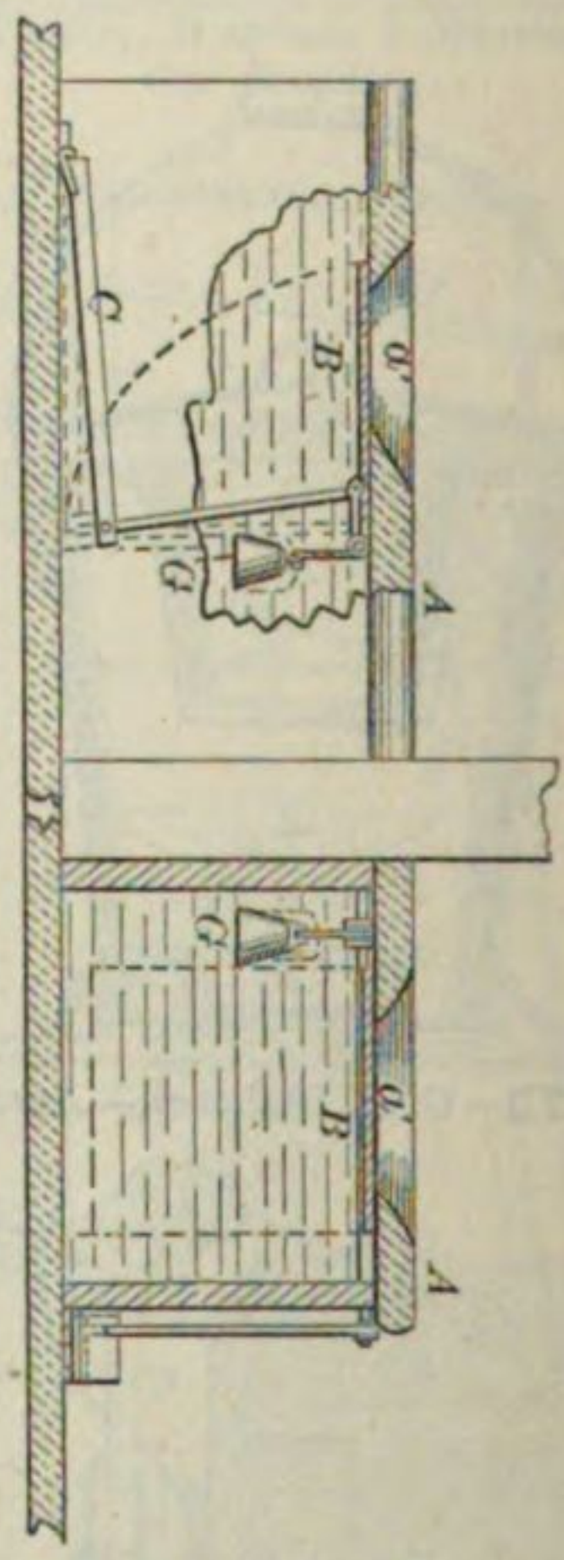


56879—J. Bayliss—*Tuyere.*

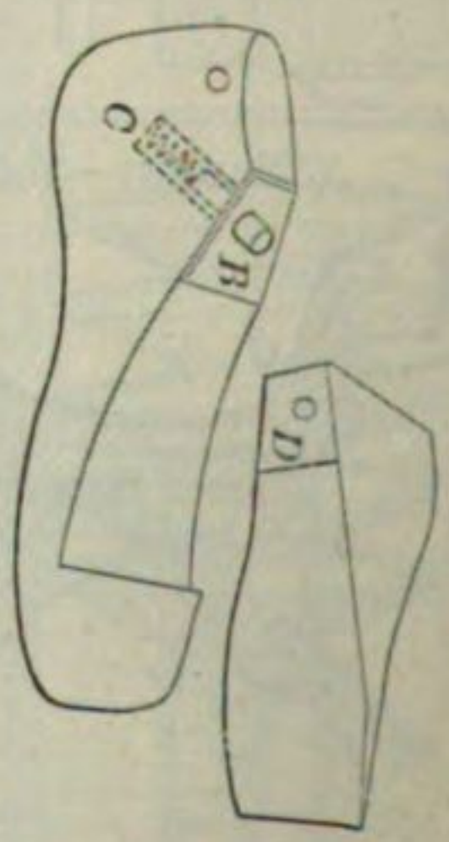




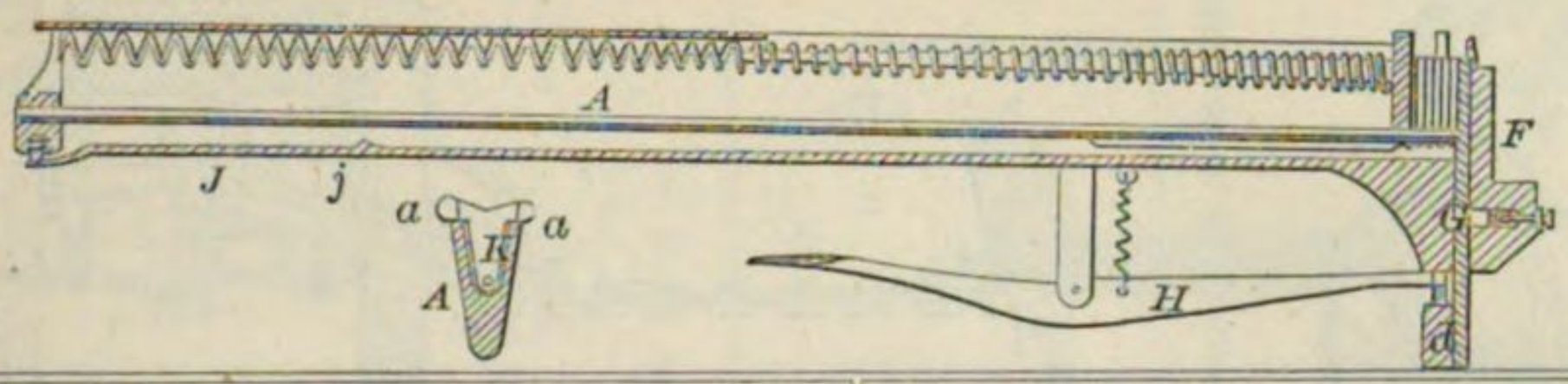
56881—W. Beach—*Privy Seat Cover.*



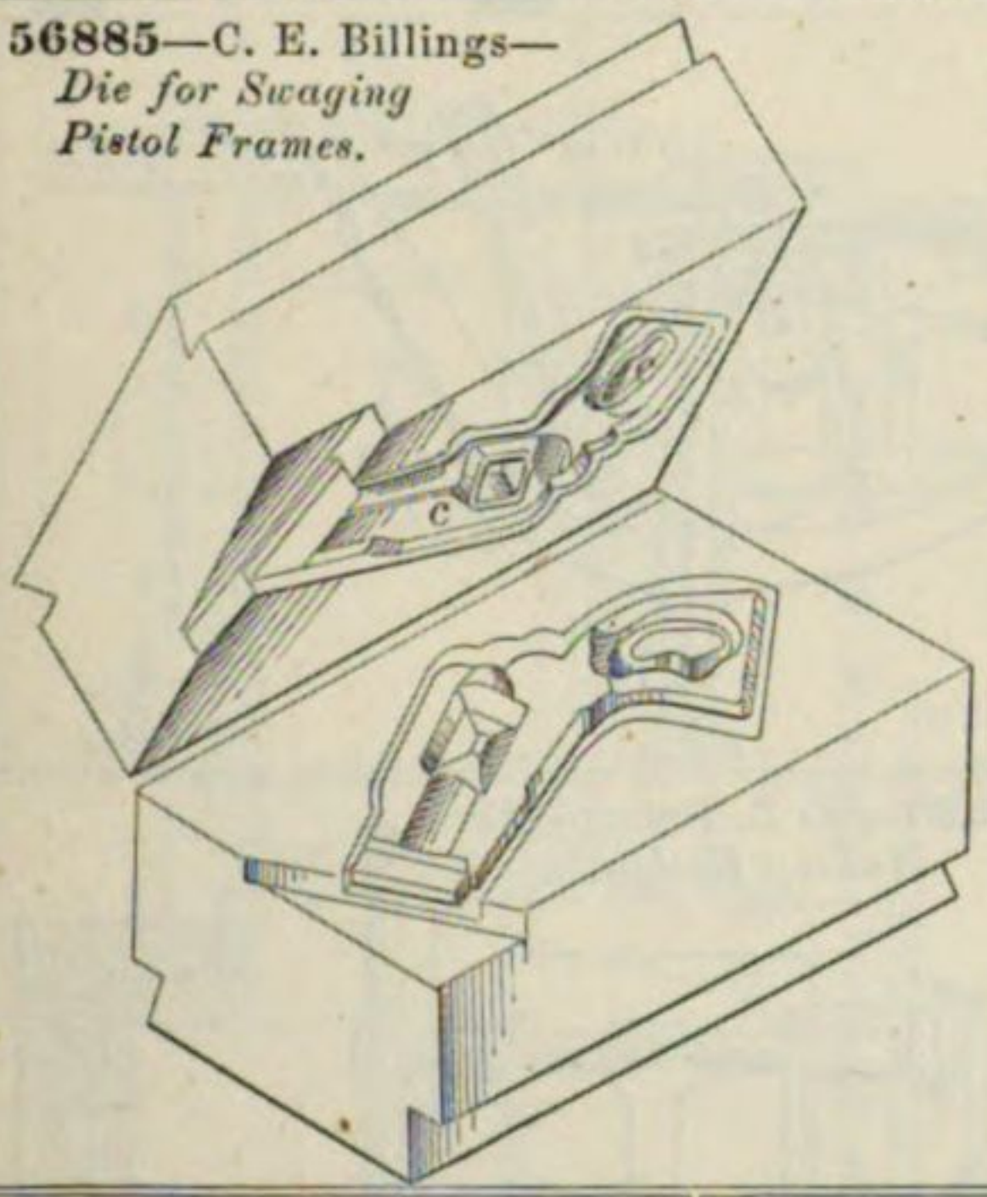
56882—W. L. Beardsley—*Last.*



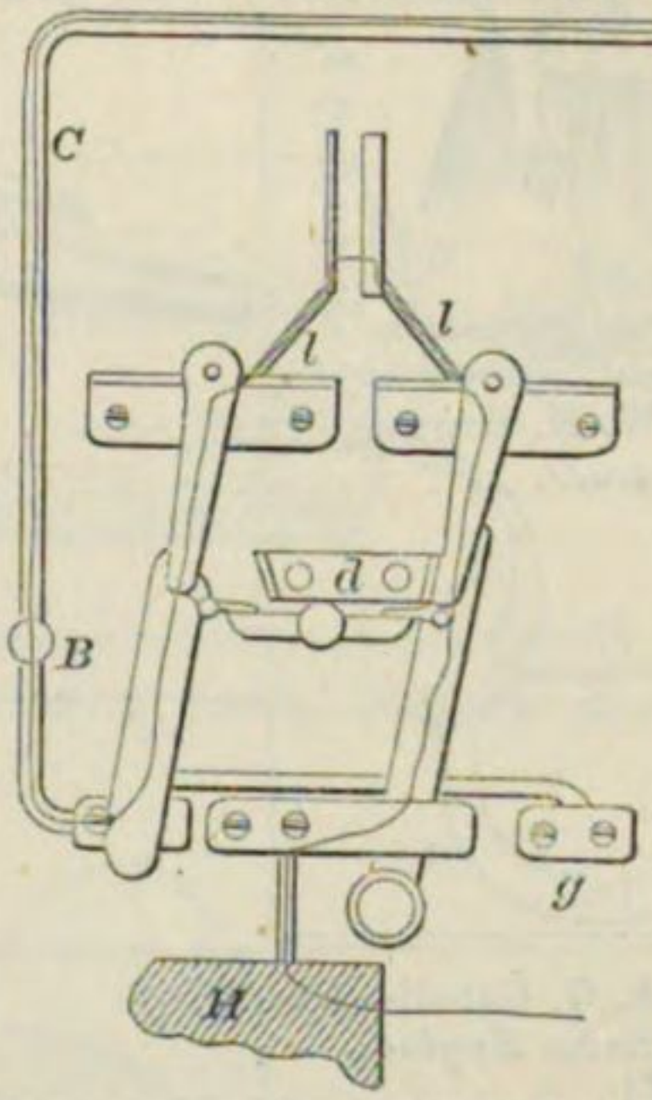
56884—A. C. Betts—*For Driving Staples.*



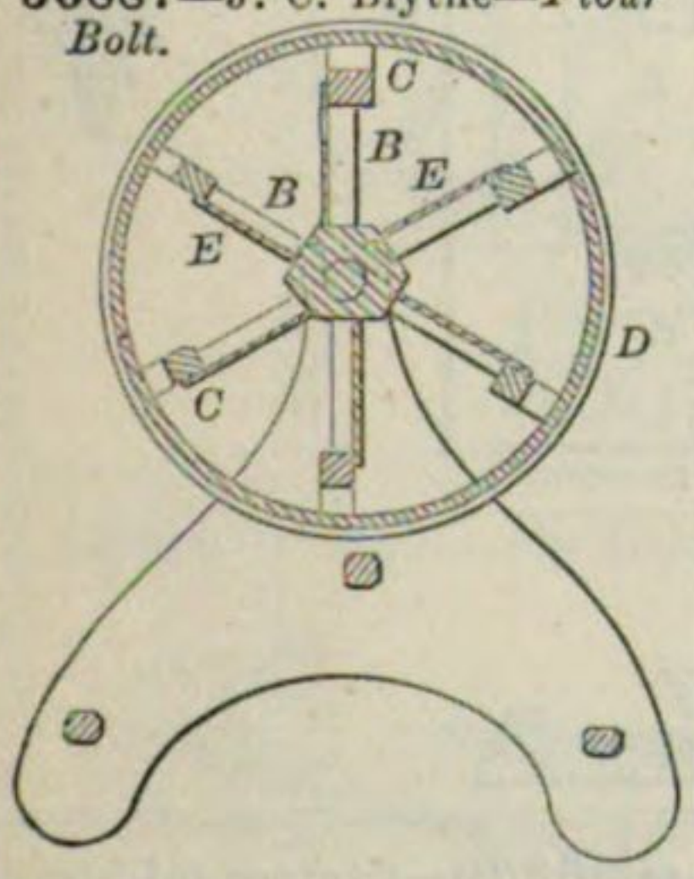
56885—C. E. Billings—*Die for Swaging Pistol Frames.*



56886—J. Blackie—*Eclectric Telegraph.*

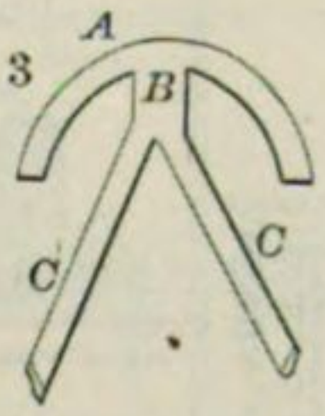


56887—J. C. Blythe—*Flour Bolt.*

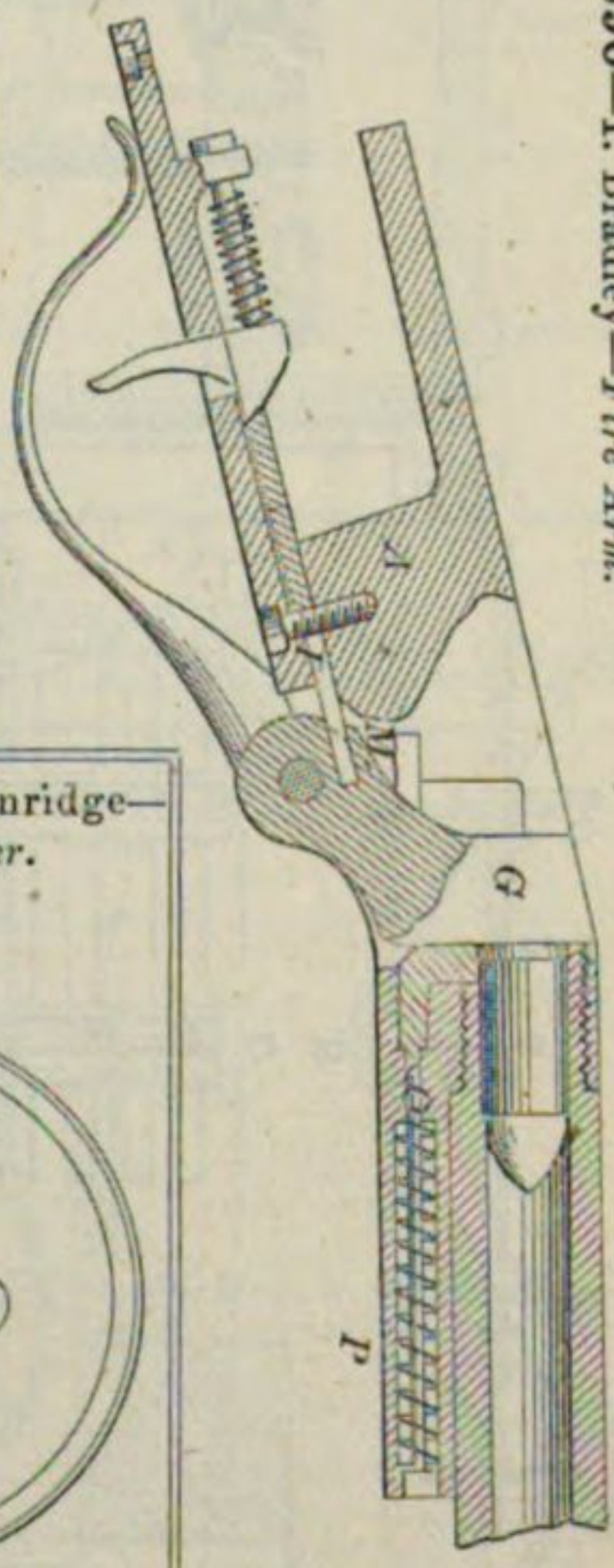


56888—G. Bonnet—*Horse Shoe.*

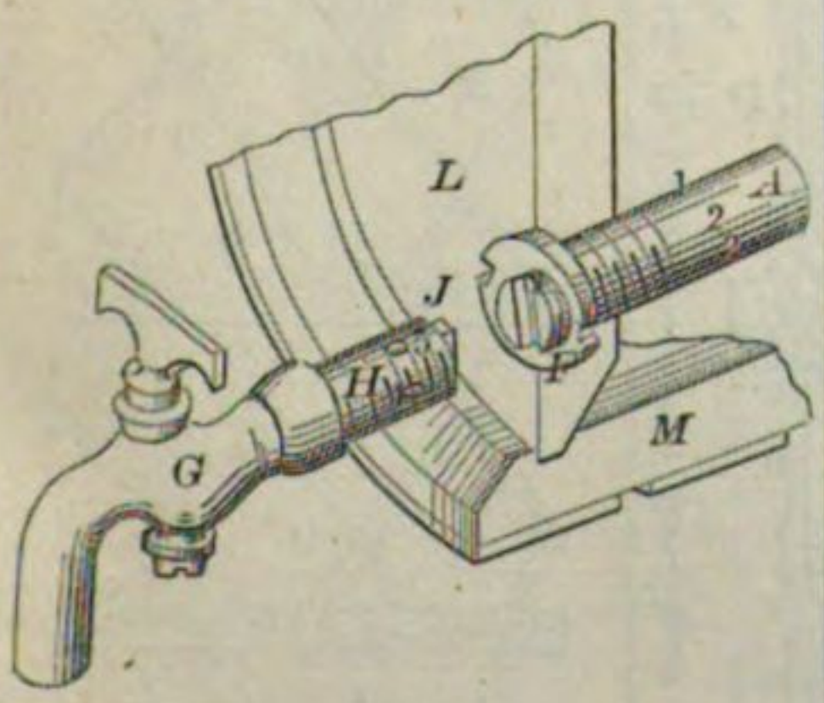
Fig. 3



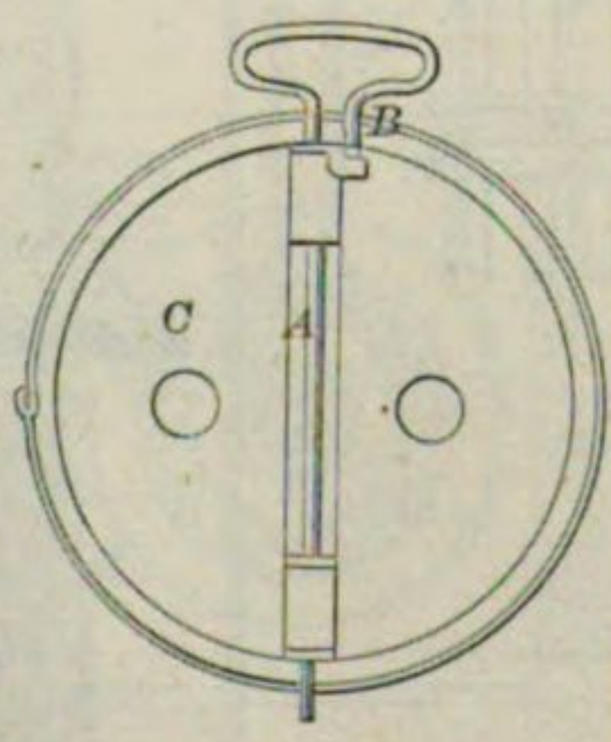
56890—I. Bradley—*Fire Arm.*



56889—W. Boynton—*Tapping Barrels.*

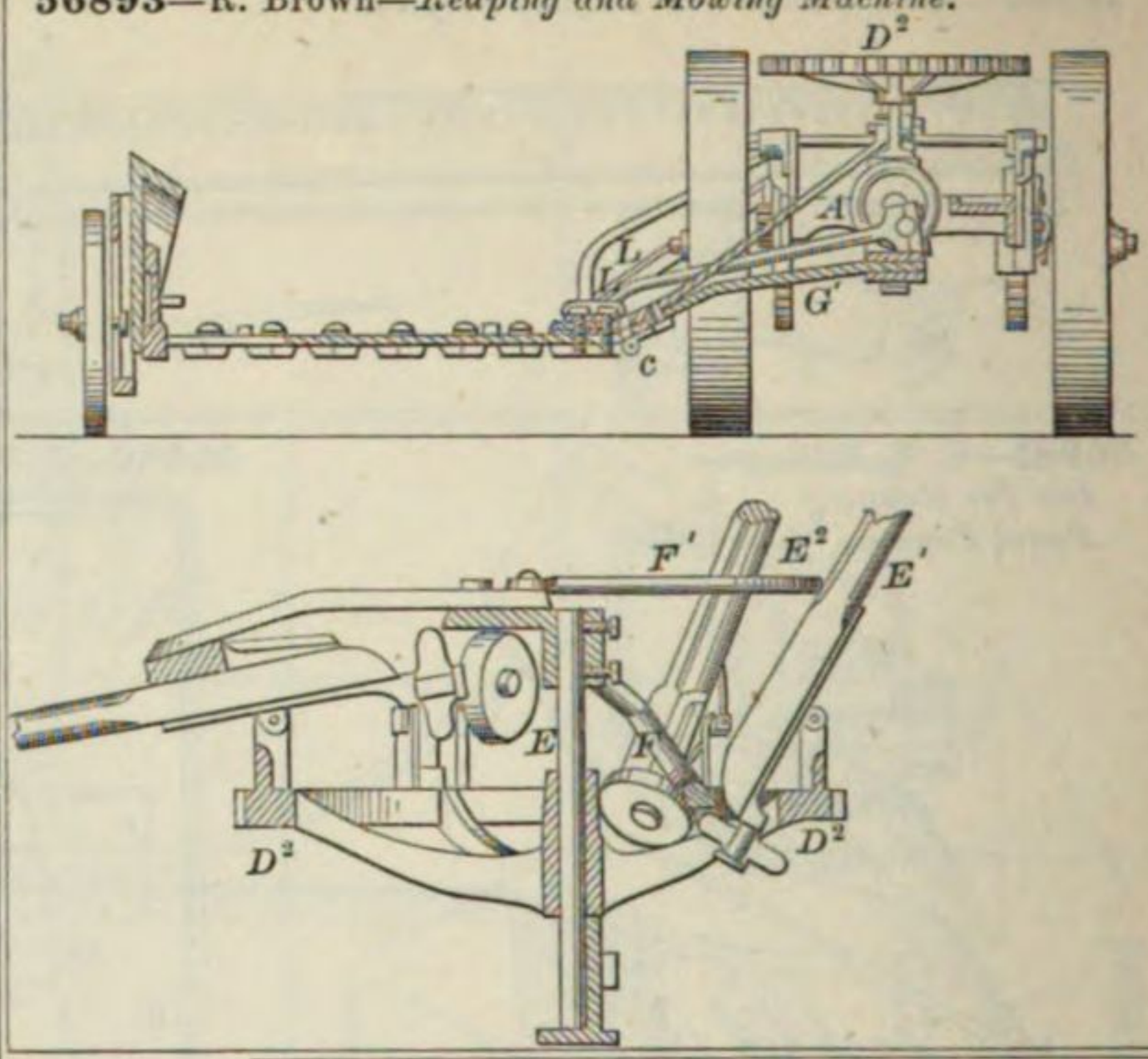


56891—R. M. Breckinridge—*Stove Pipe Damper.*

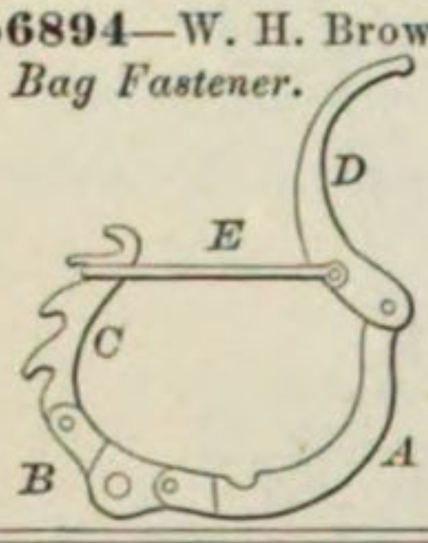


56892—S. O. Brigham—*Body Conformator.*

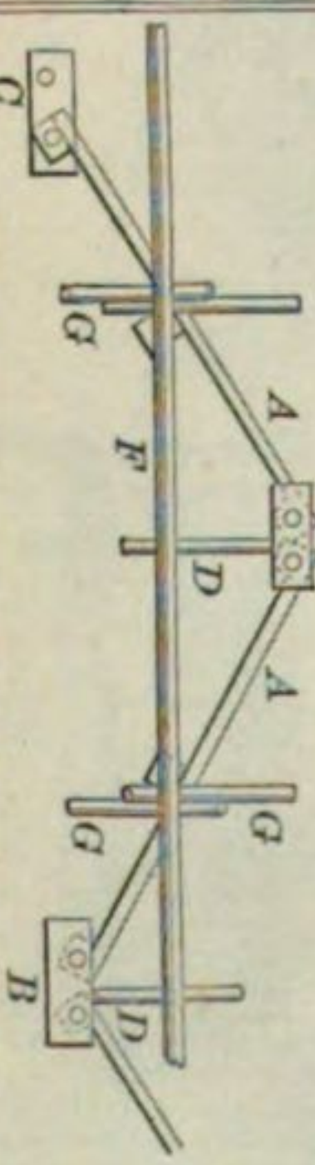
56893—R. Brown—*Reaping and Mowing Machine.*



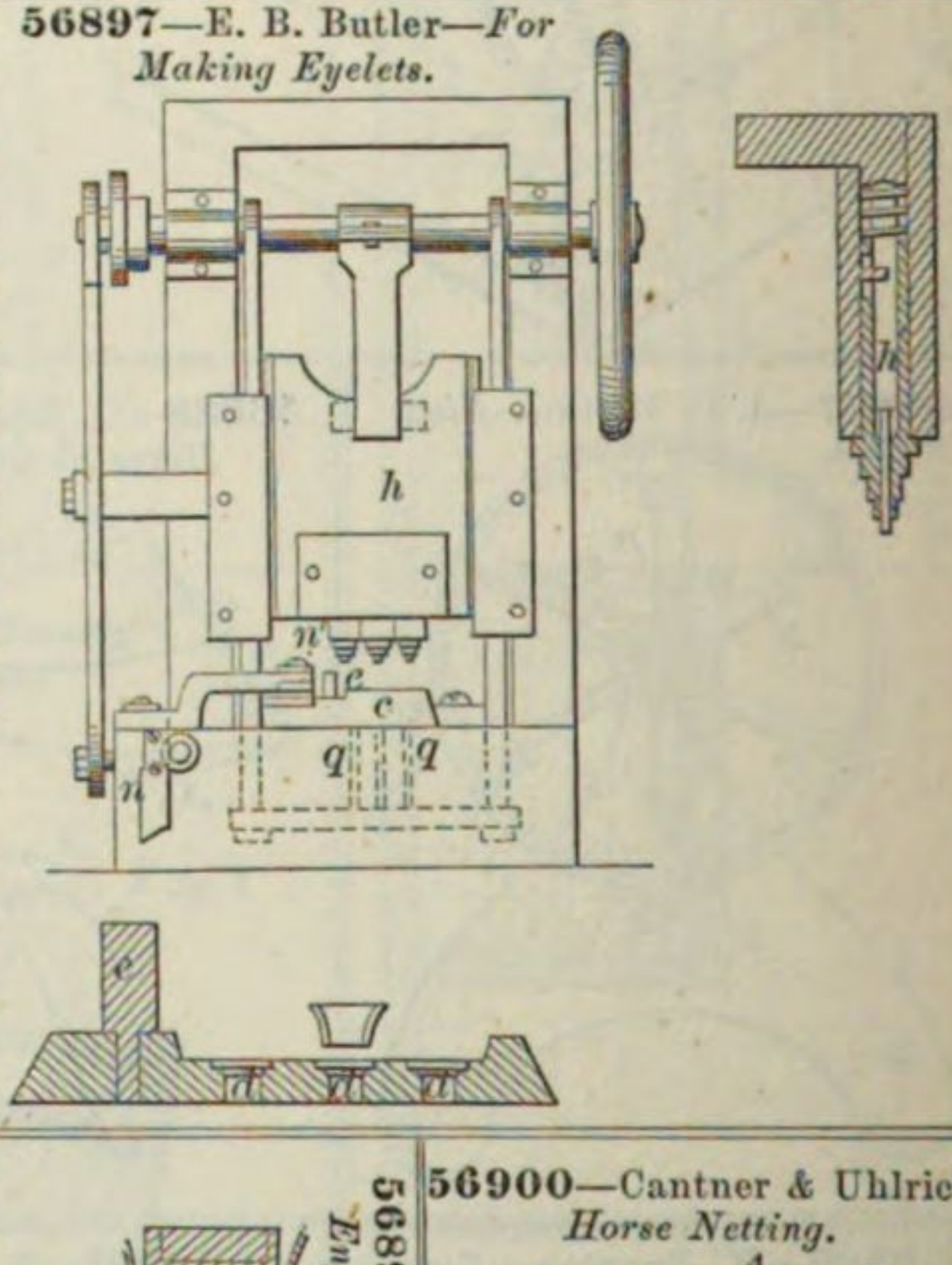
56894—W. H. Brown—*Bag Fastener.*



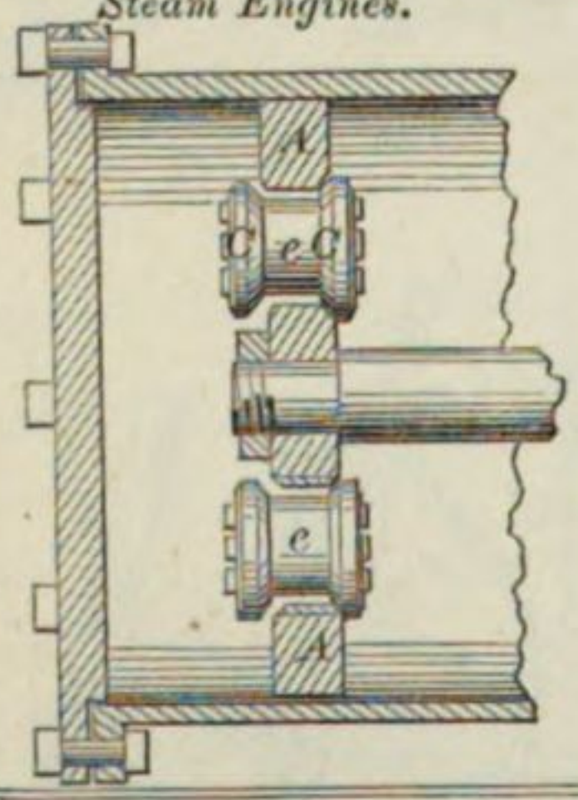
56895—W. H. Brown—*Fence.*



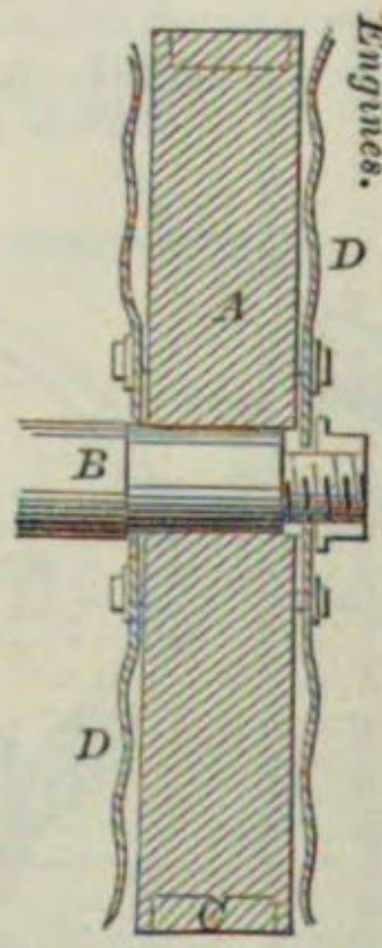
56897—E. B. Butler—*For Making Eyelets.*



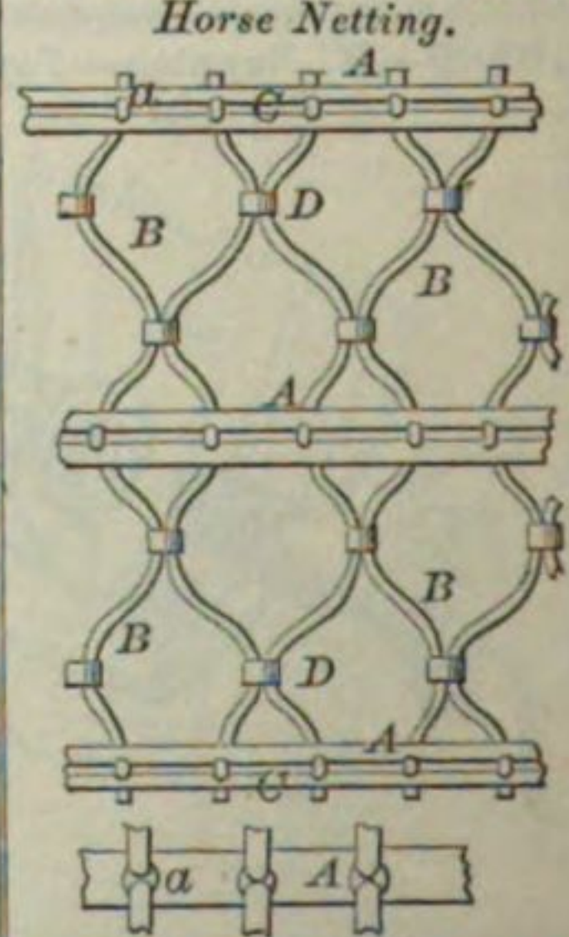
56898—S. G. Cabell—*Operating Steam Engines.*



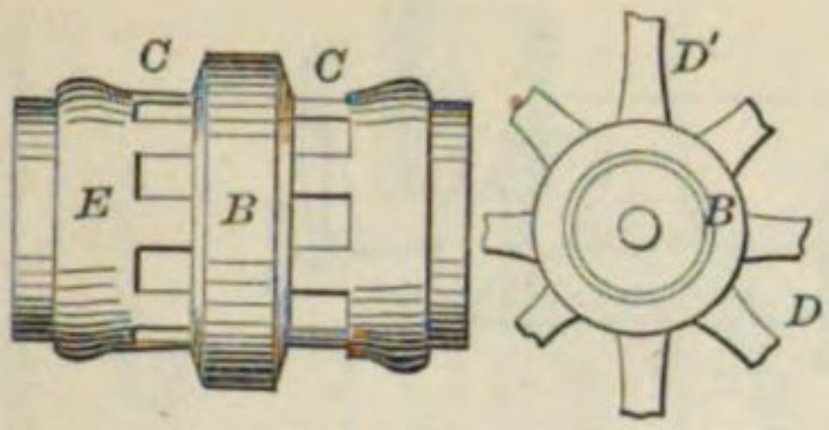
56899—S. G. Cabell—*Piston for Steam Engines.*



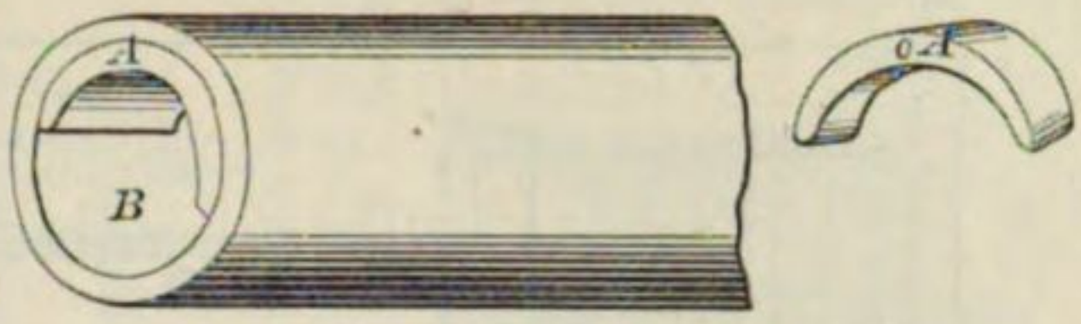
56900—Cantner & Uhlrich—*Horse Netting.*



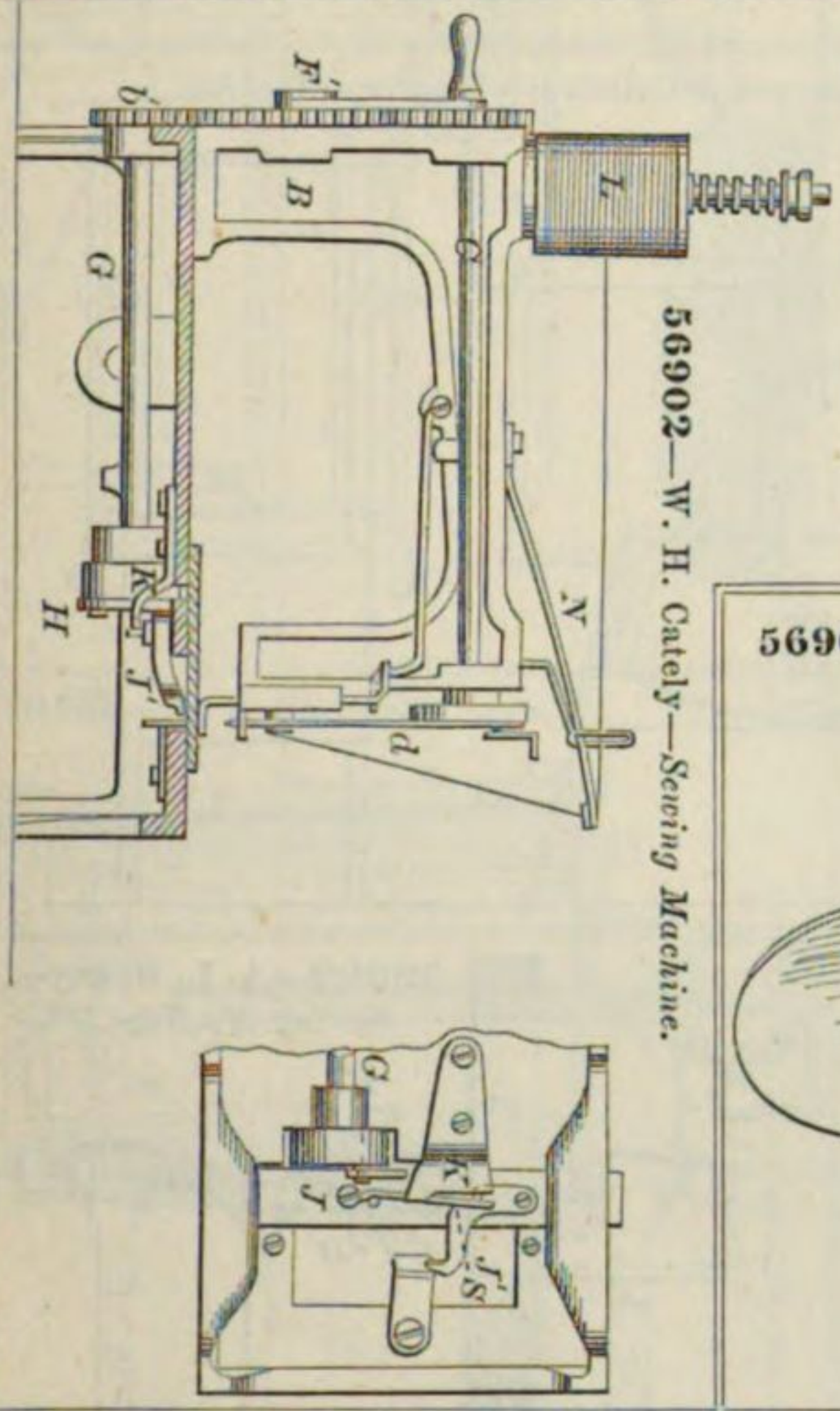
56901—J. Carlin—*Wheel.*



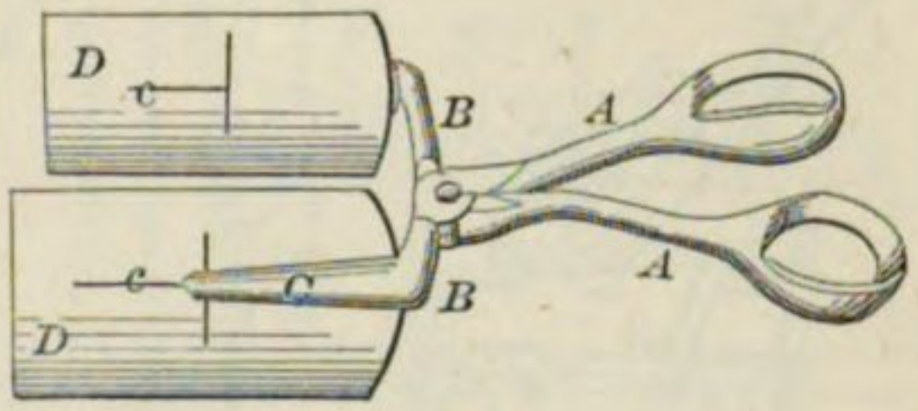
56905—C. W. Copeland—*Tube Thimble.*



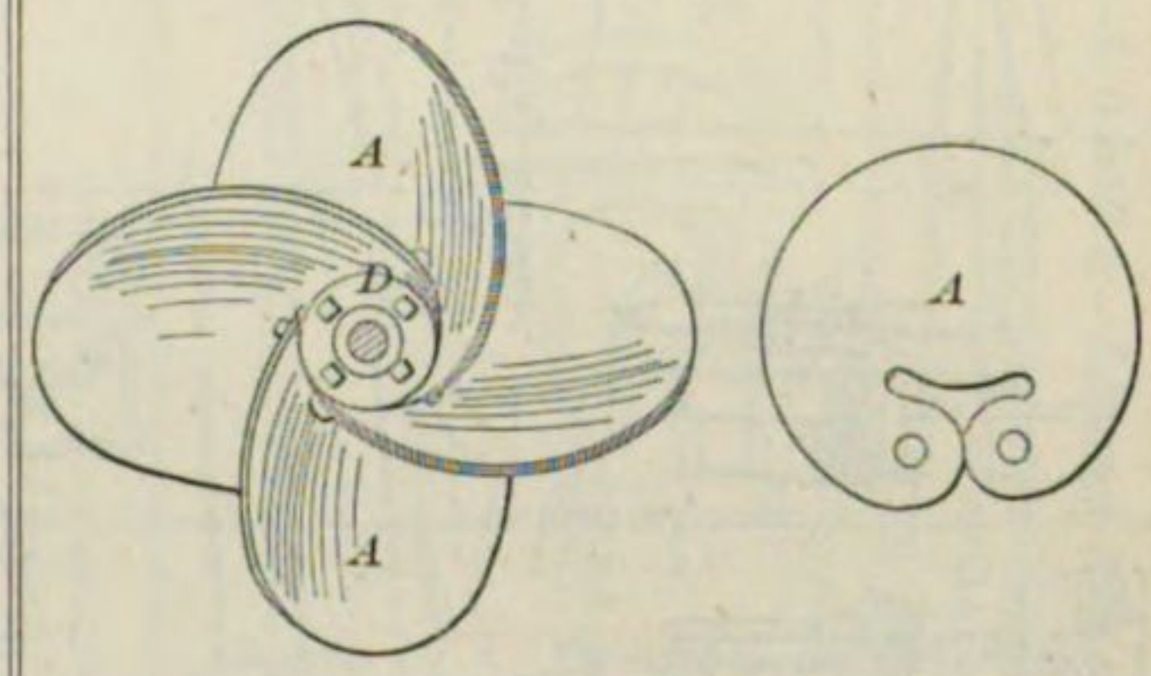
56902—W. H. Cately—*Sewing Machine.*



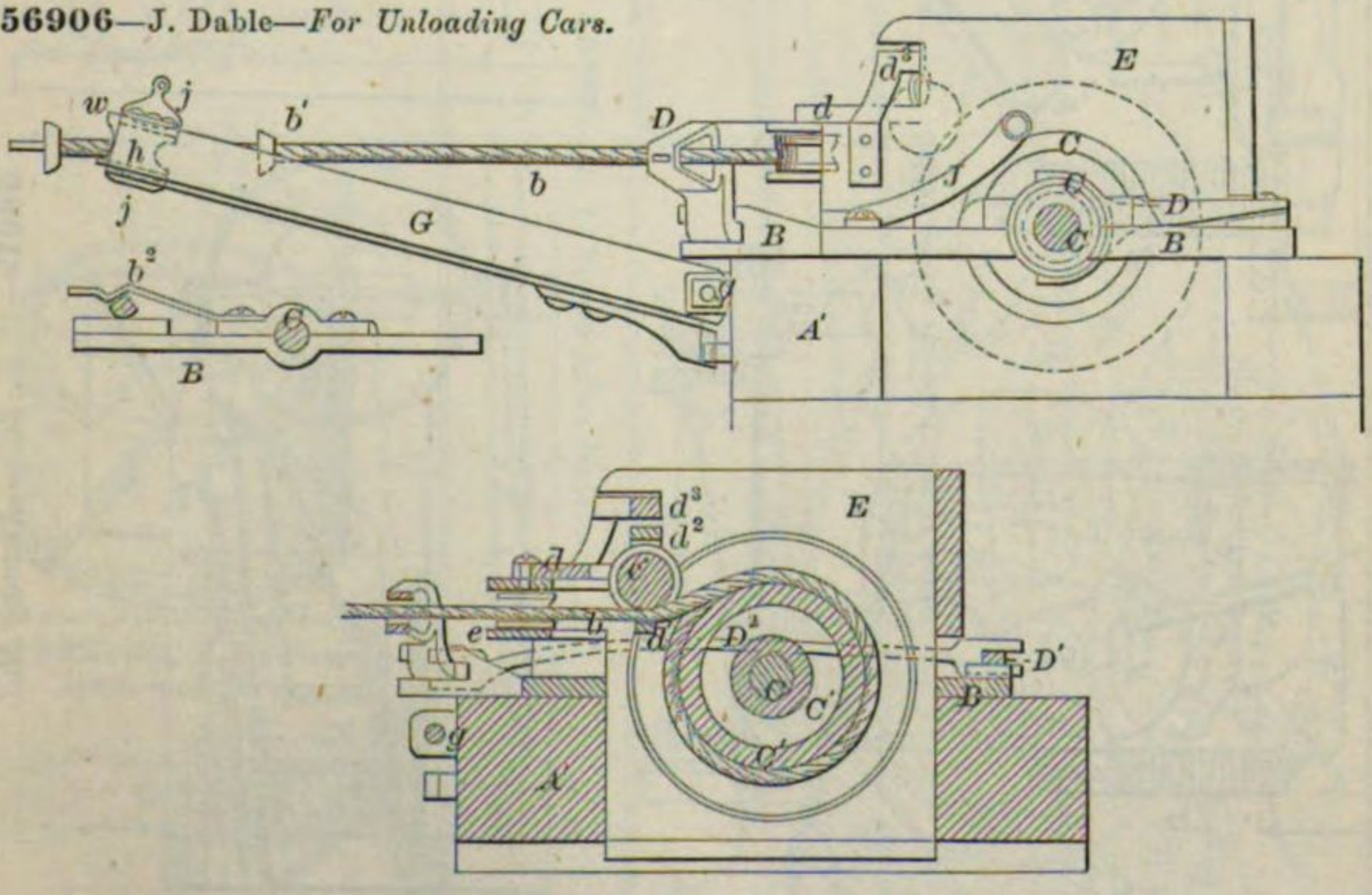
56904—J. S. Clarke—*Butter Tongs.*



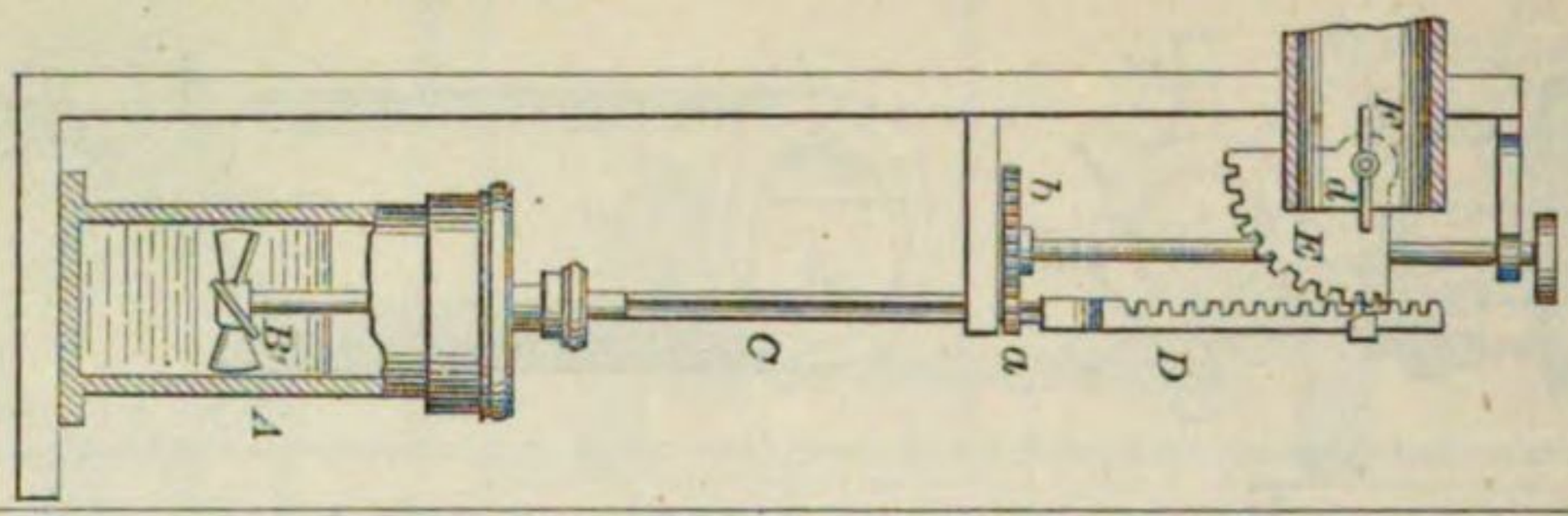
56907—W. E. Davis—*Propeller Screw.*



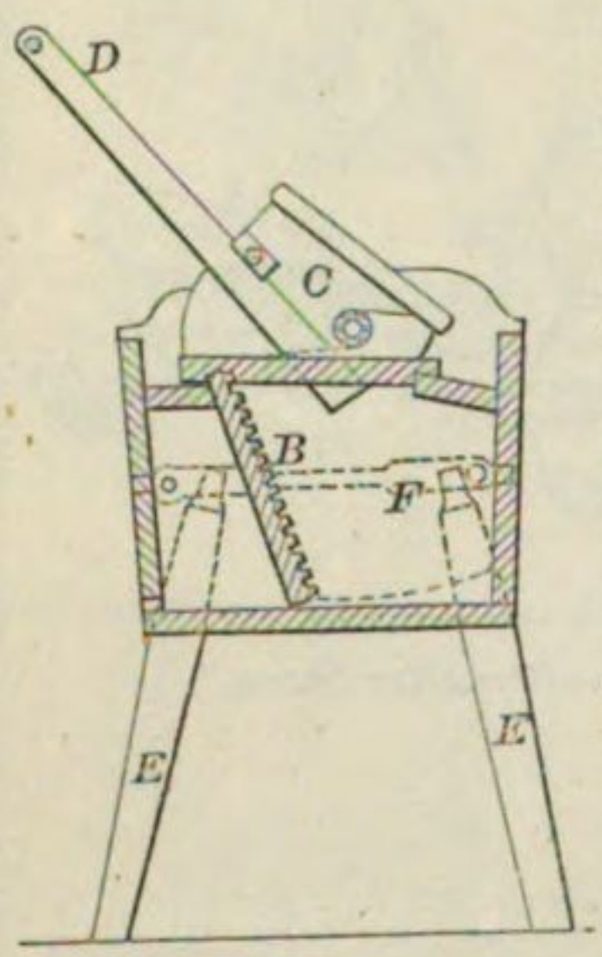
56906—J. Dable—*For Unloading Cars.*

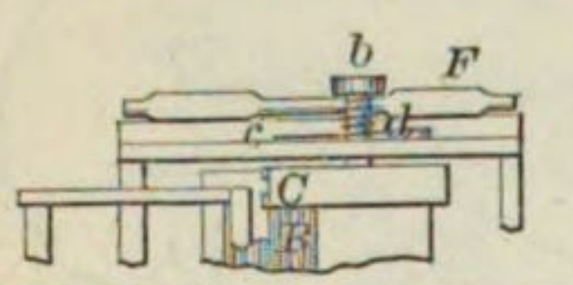


56908—J. Degnon—*Governor.*

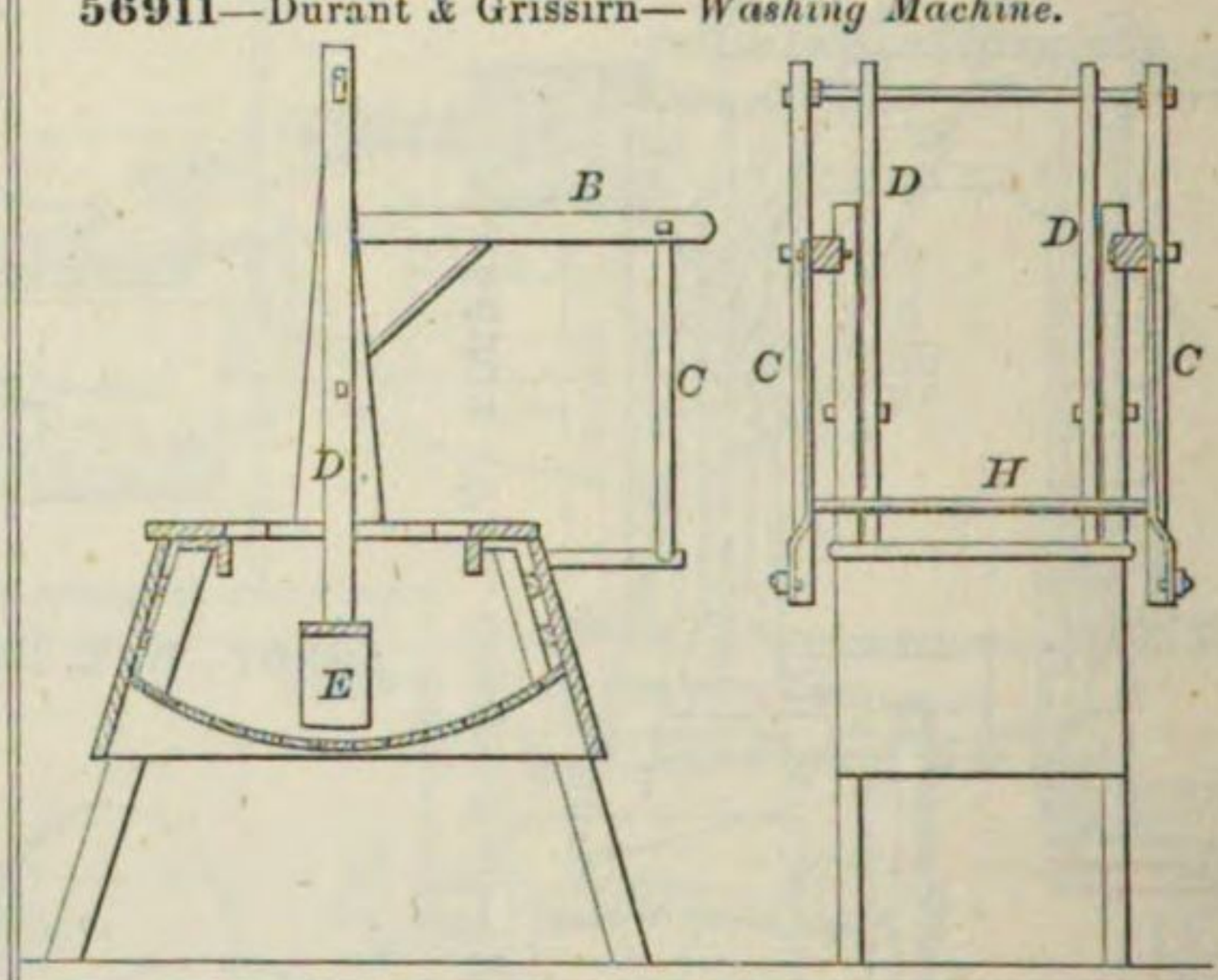


56910—W. M., E. P. & E. Doty—*Washing Machine.*

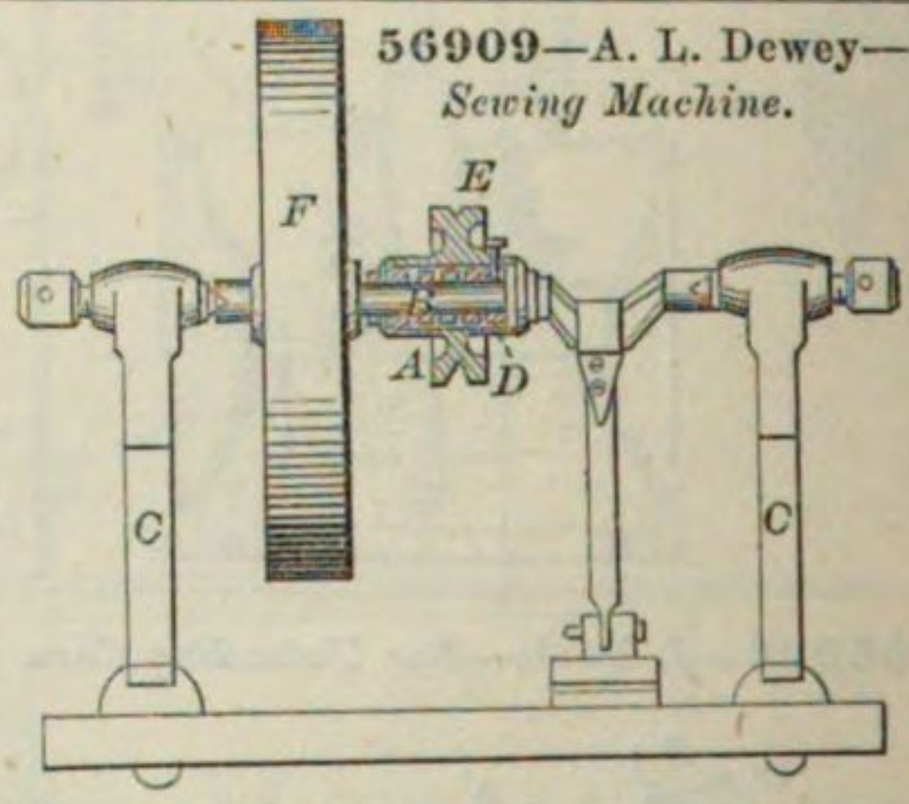




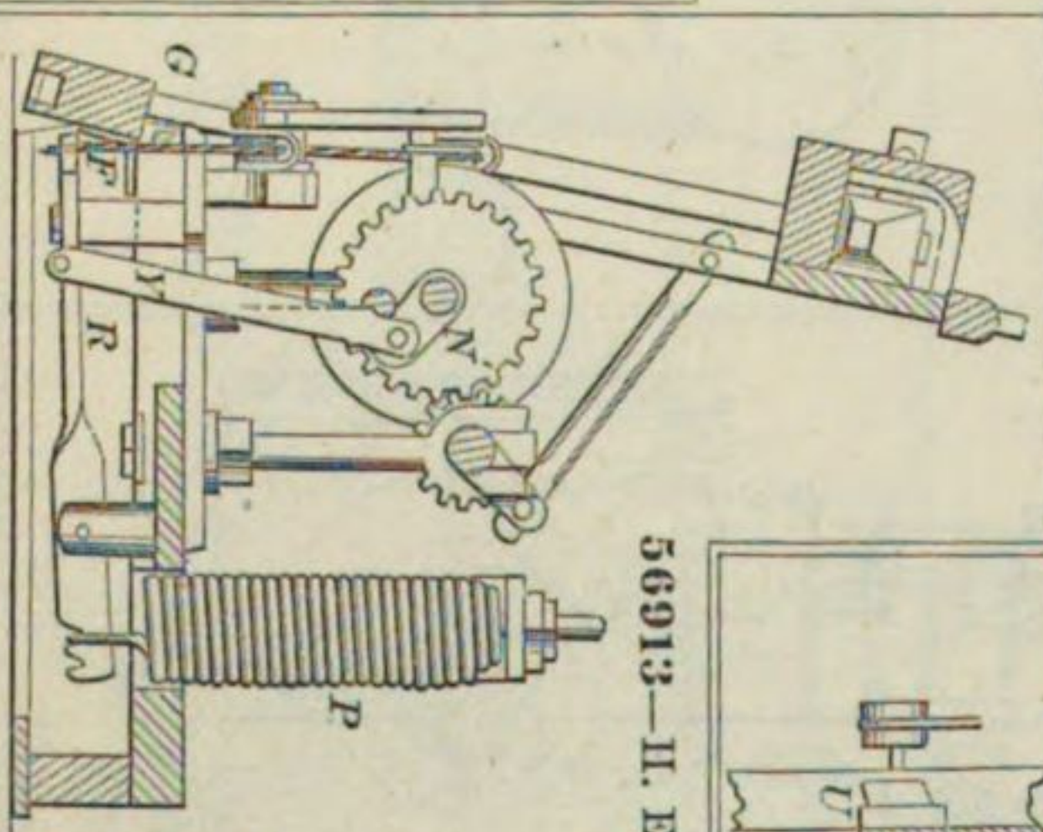
56911—Durant & Grissirn—*Washing Machine.*

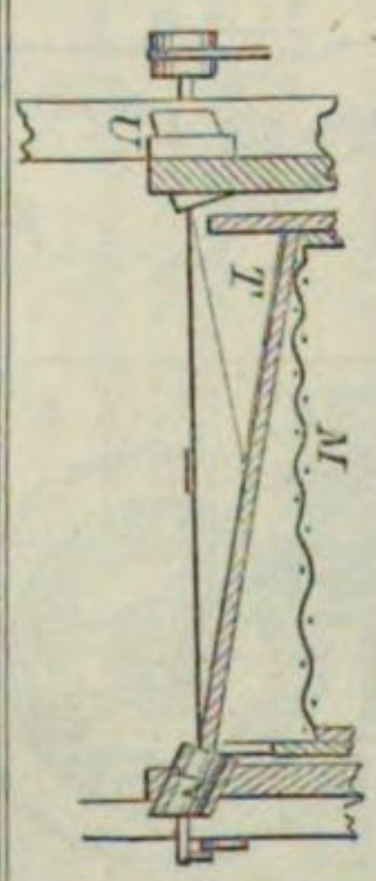


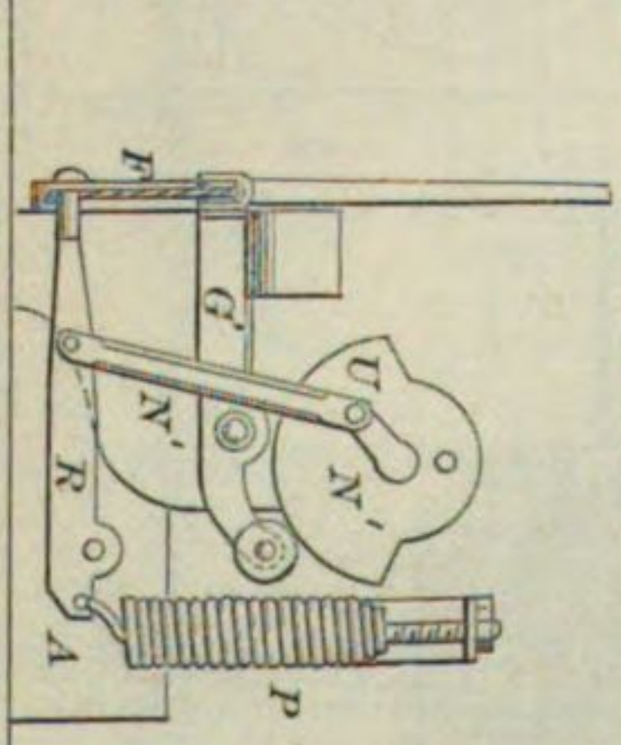
56909—A. L. Dewey—*Sewing Machine.*



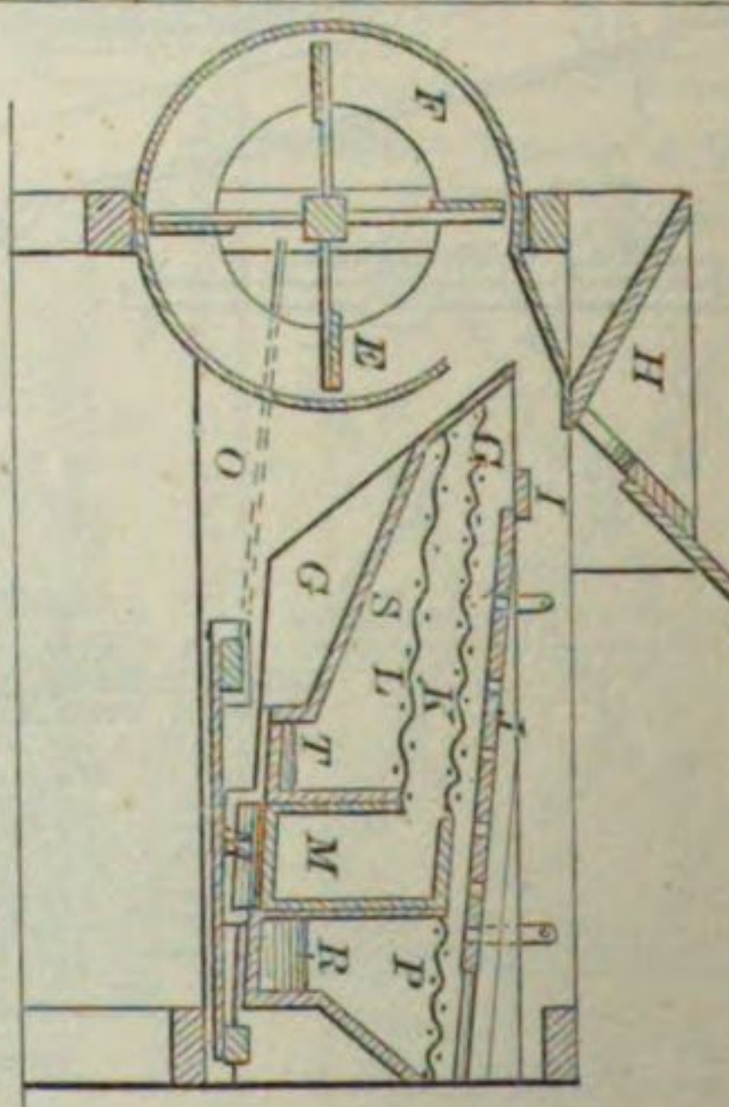
56913—H. Elliott—*Power Loom.*



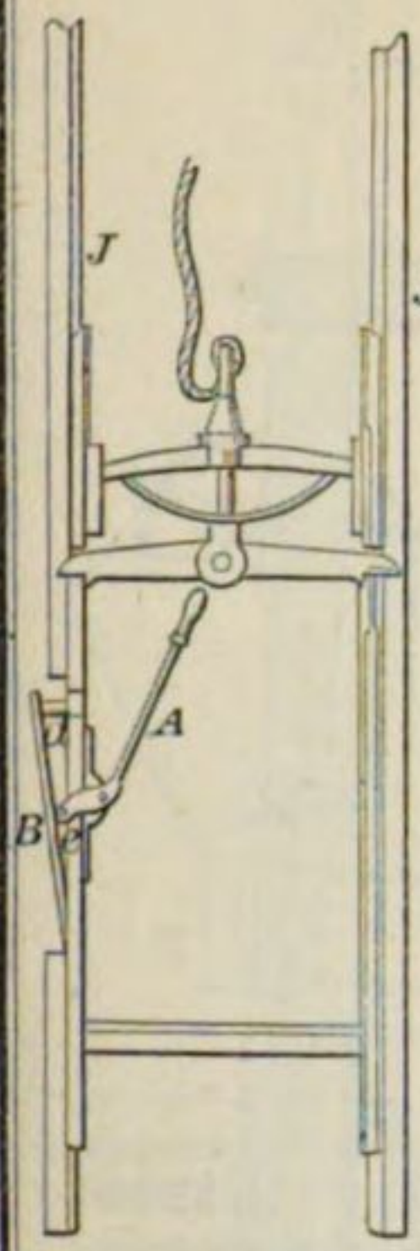




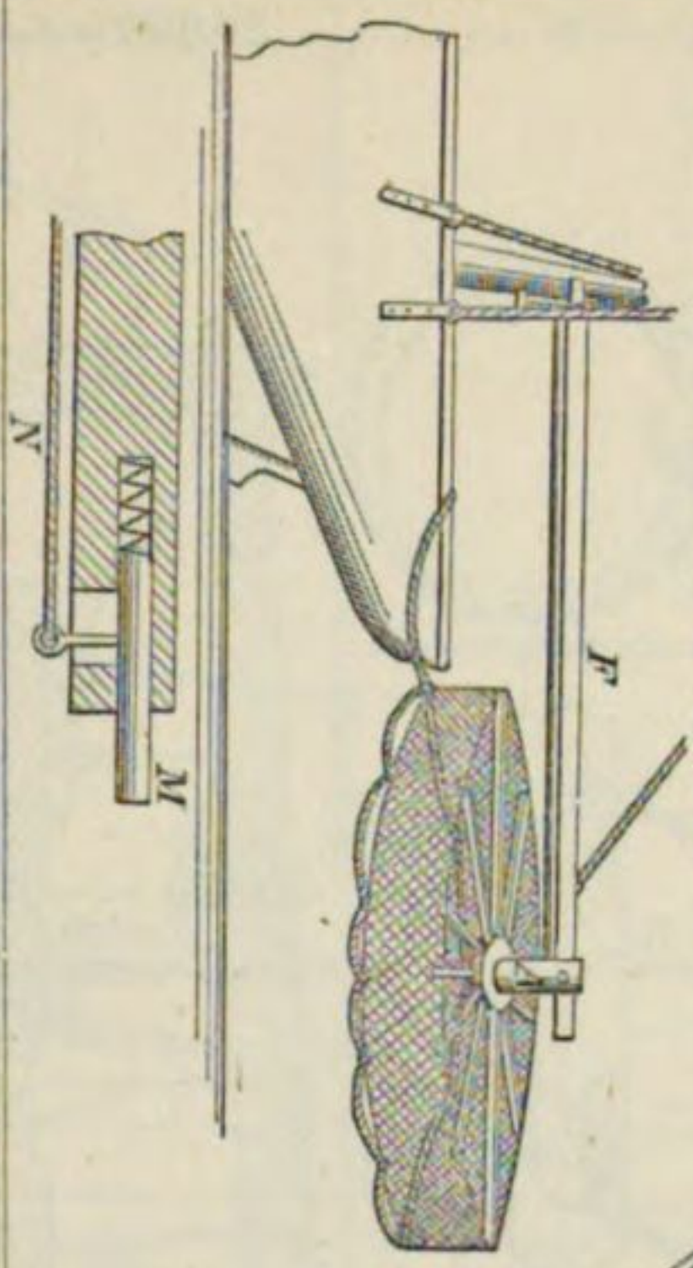
56912—C. K. Ehle—*Fanning Mill.*



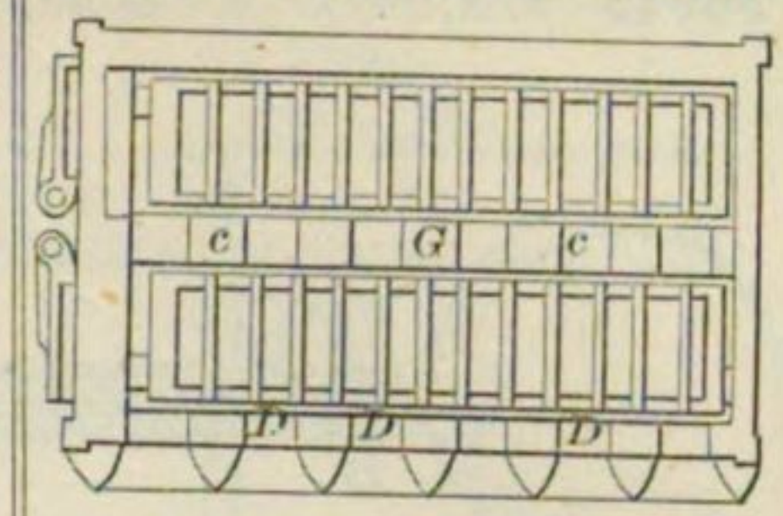
56915—J. Evans—*Cage for Mines.*

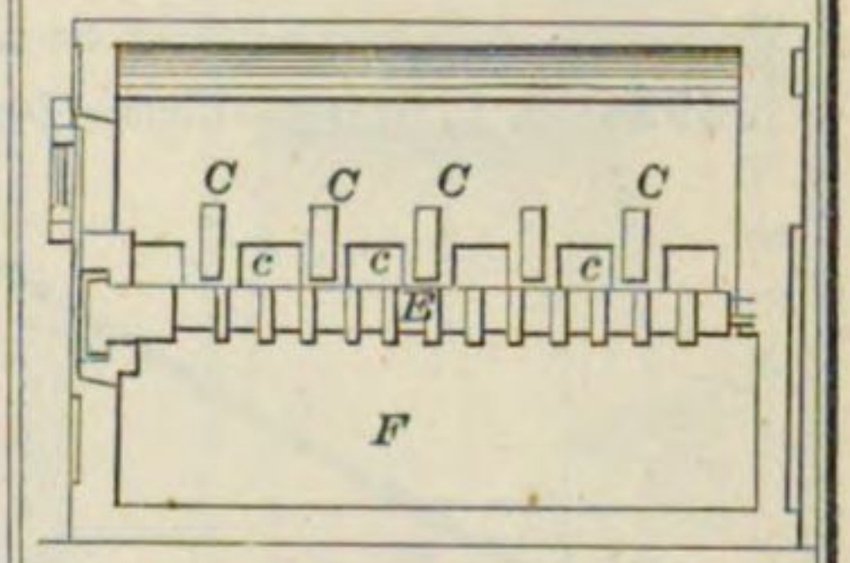


56917—Ferl & Larkins—*Fishing Apparatus.*

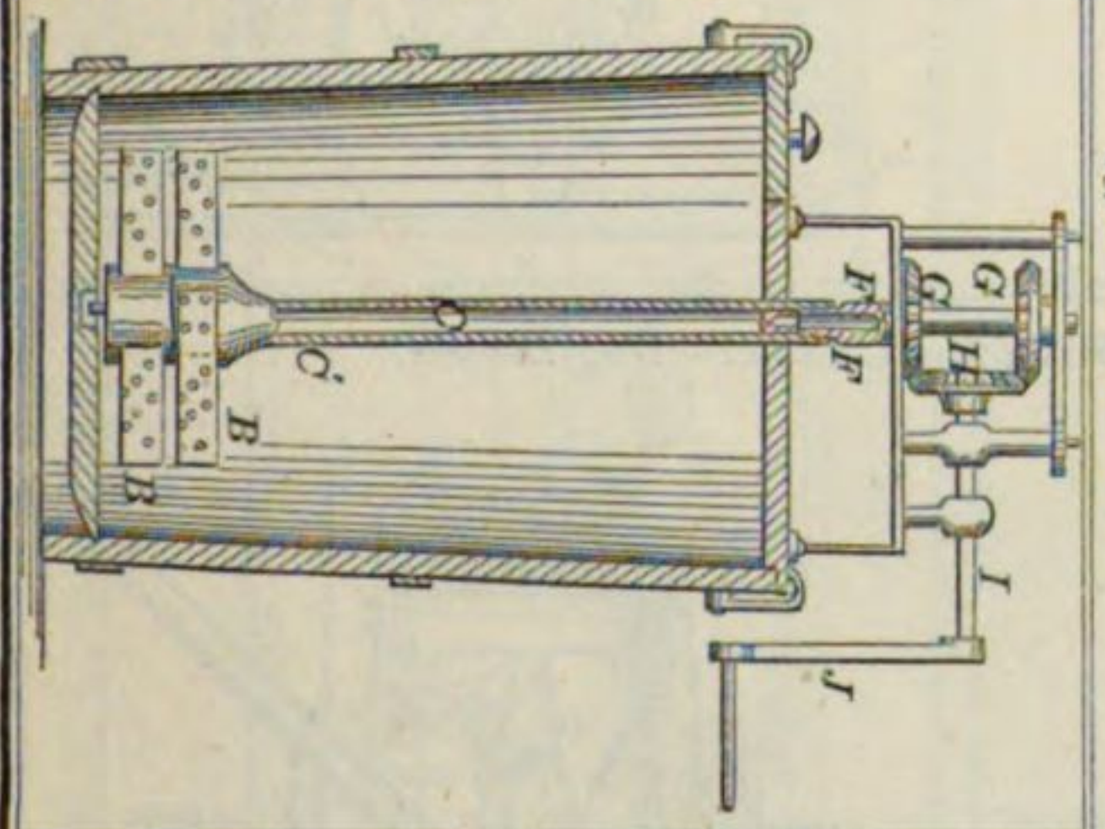


56919—J. Fieldhouse—*Furnace.*



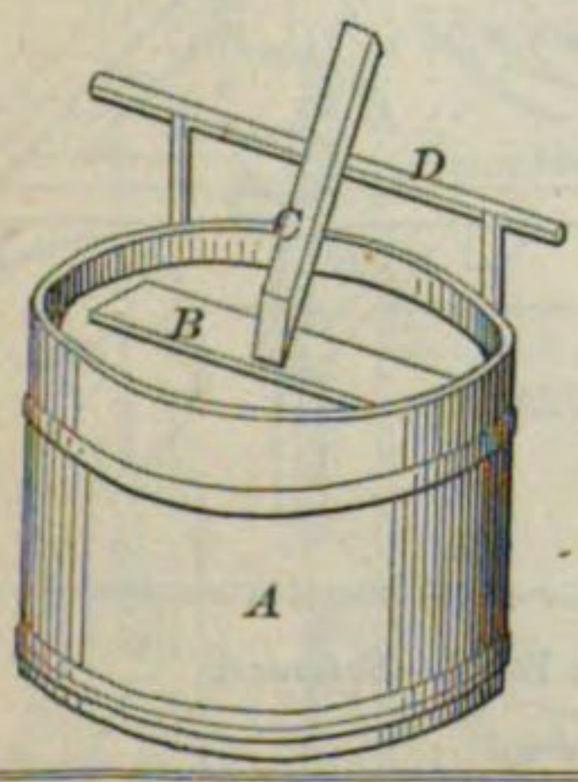


56918—W. S. Ferrier—*Churn.*



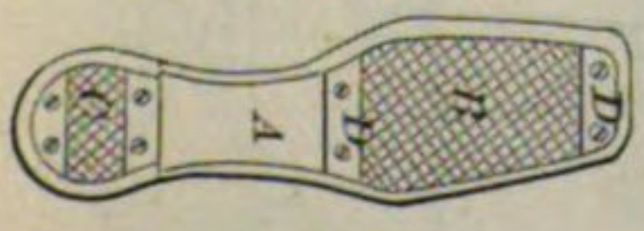
56922—J. Goulding—*Spinning Mule and Jack.*

56916—M. W. Everitt—
For Tempering Chisels.

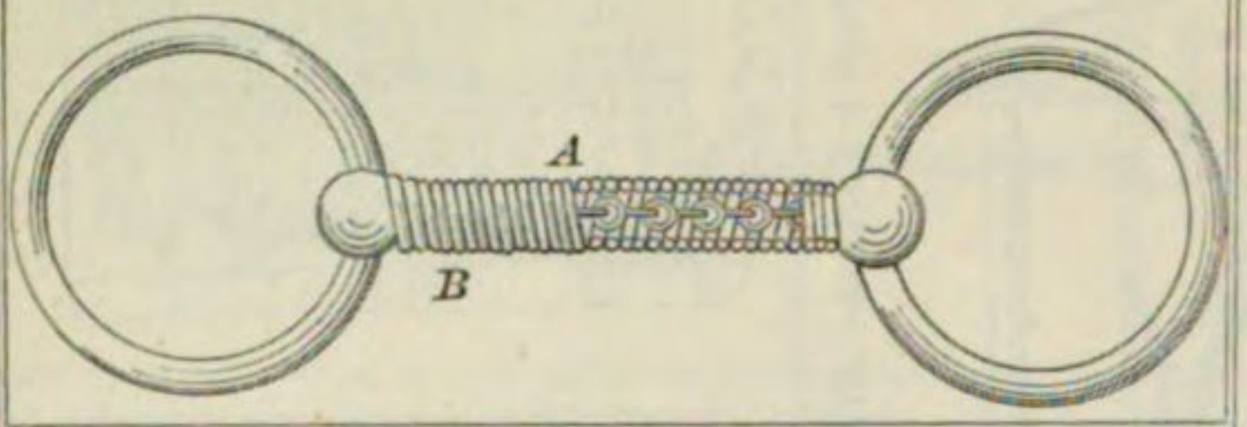


56920—J. T. Foster—*Pen Holder.*

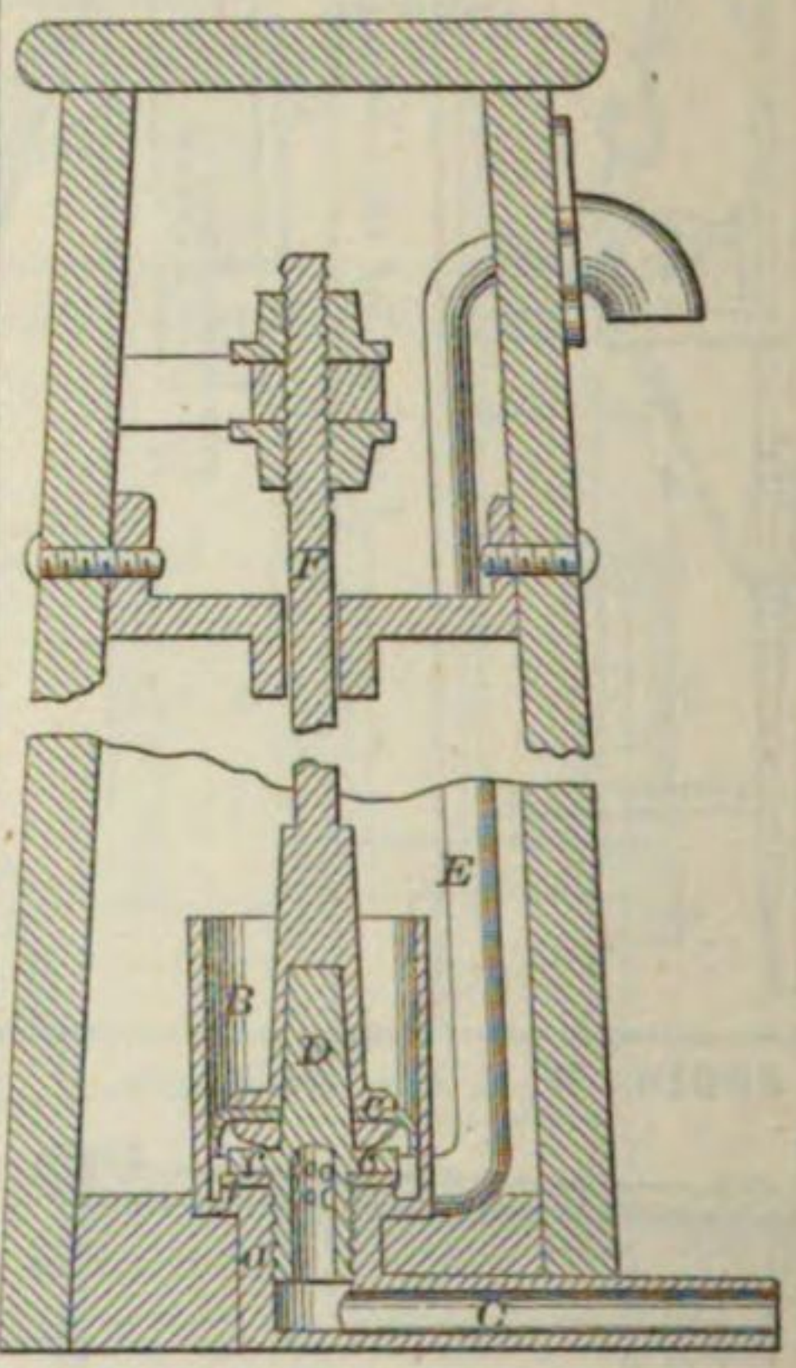
56921—S. T. Fowler—
Boots and Shoes.



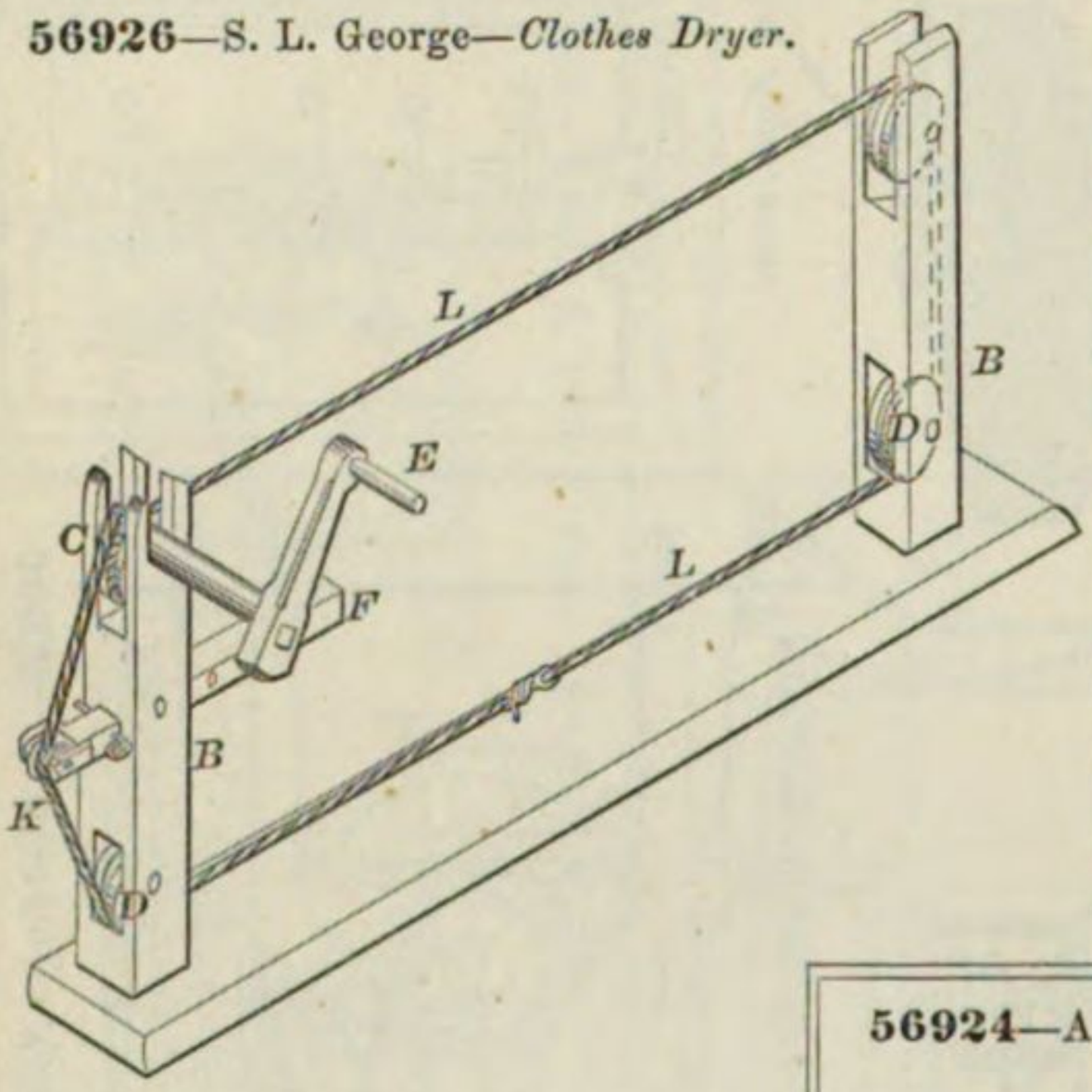
56923—F. N. Frost—*Bridle Bit.*



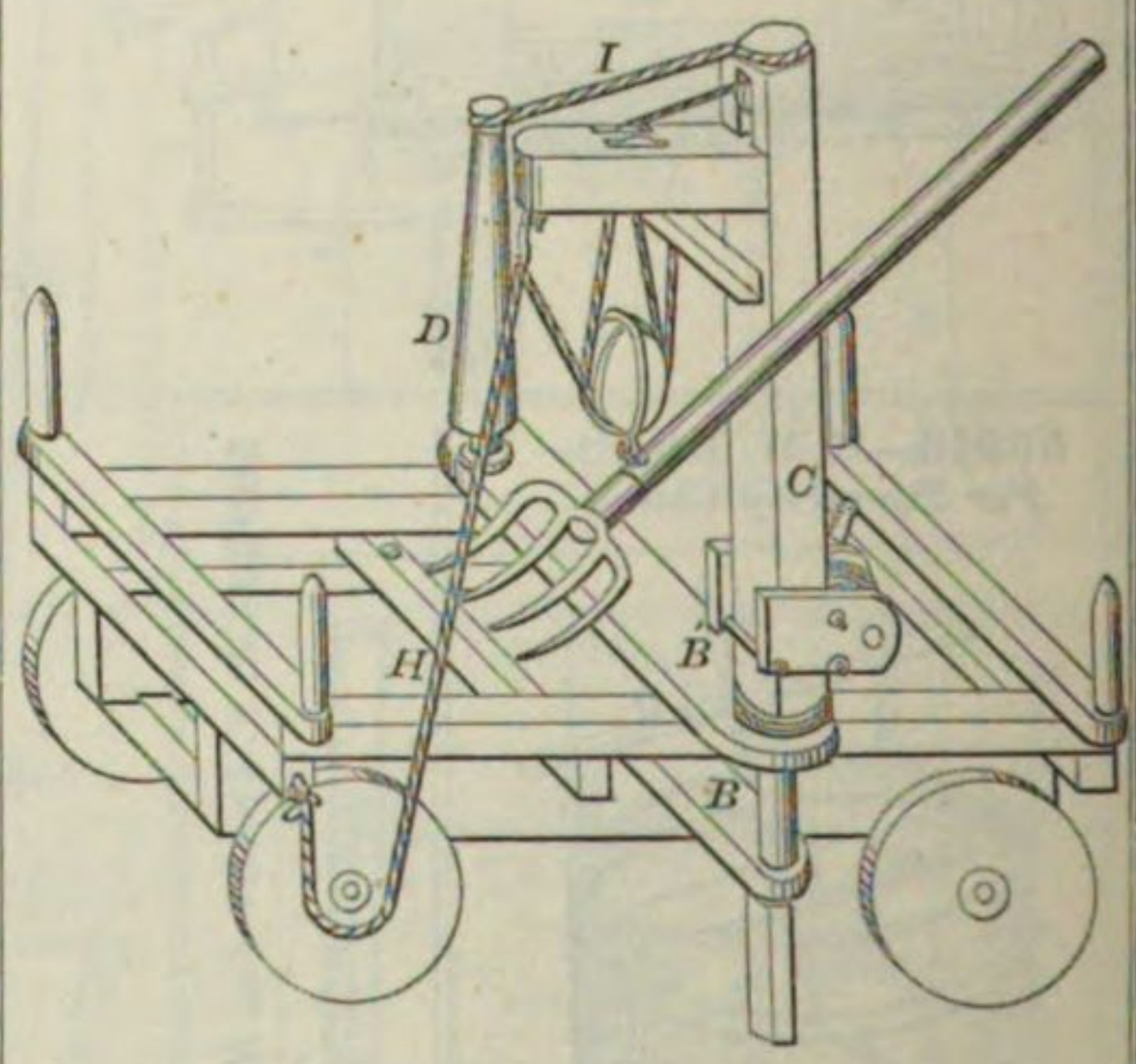
56927—N. B. Gousha—*Hydrant.*



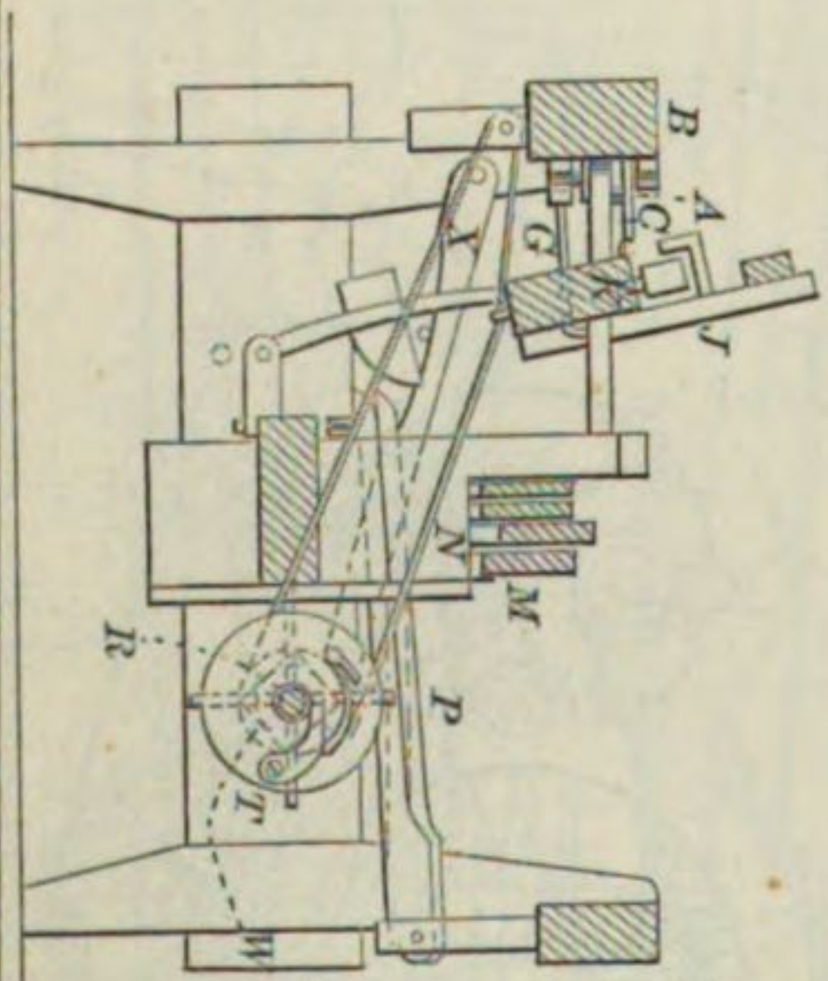
56926—S. L. George—*Clothes Dryer.*

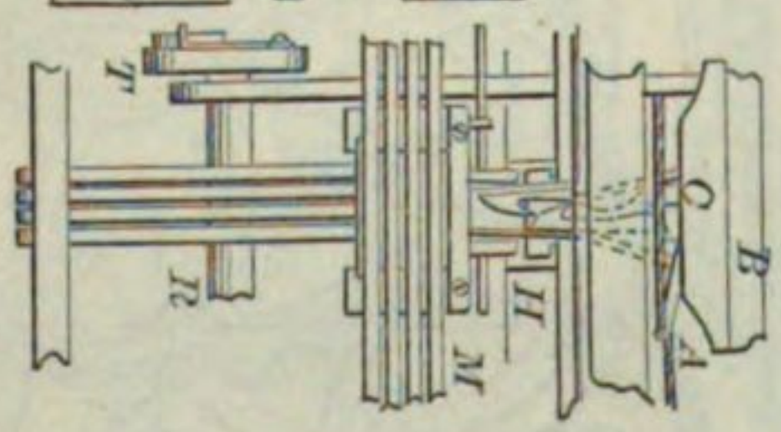


56924—A. Fuller—*Hay Loader.*

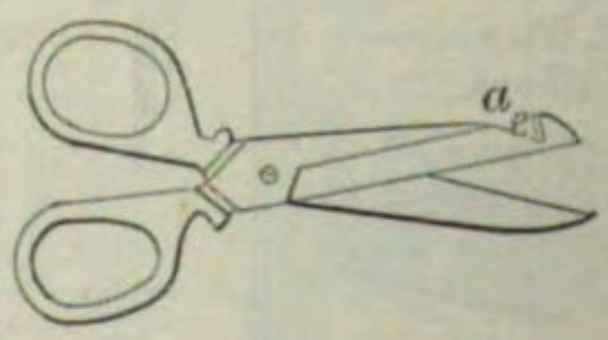


56925—A. P. Garretson—*Loom.*

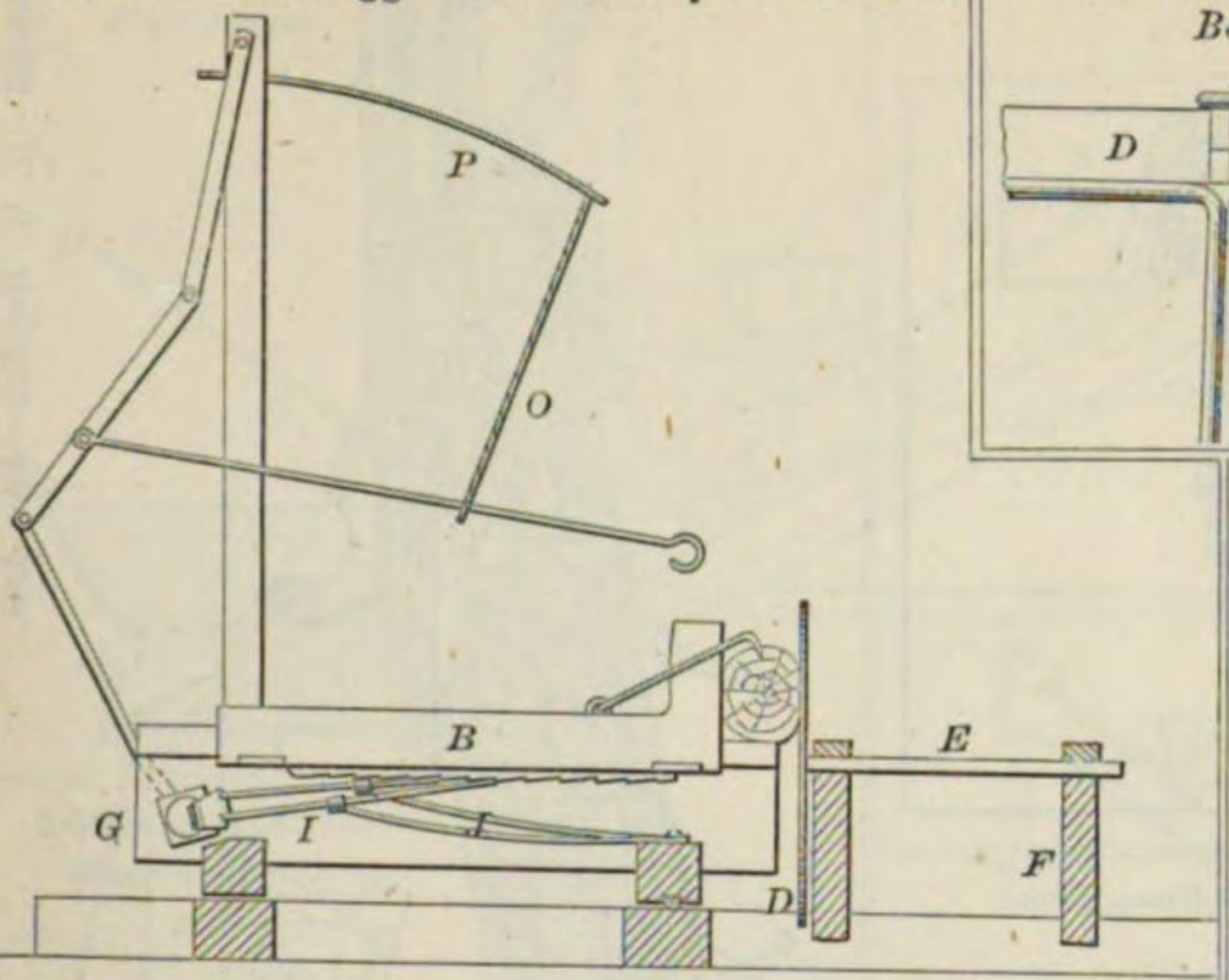




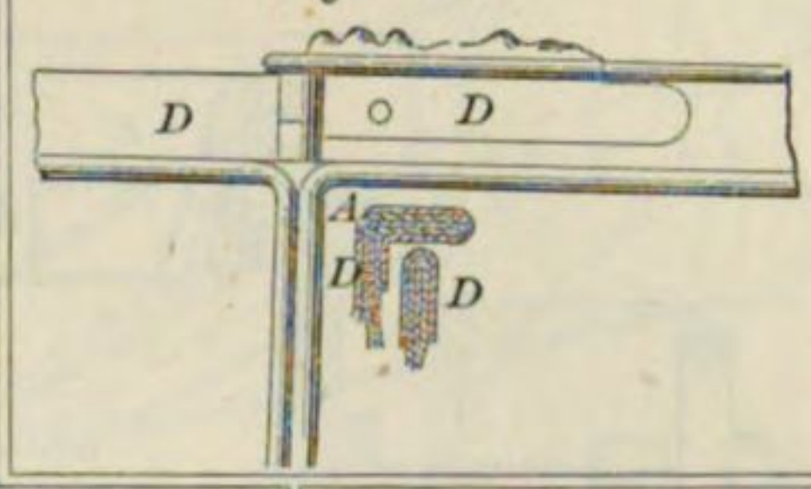
56928—Grier & Boyd—*Scissors.*



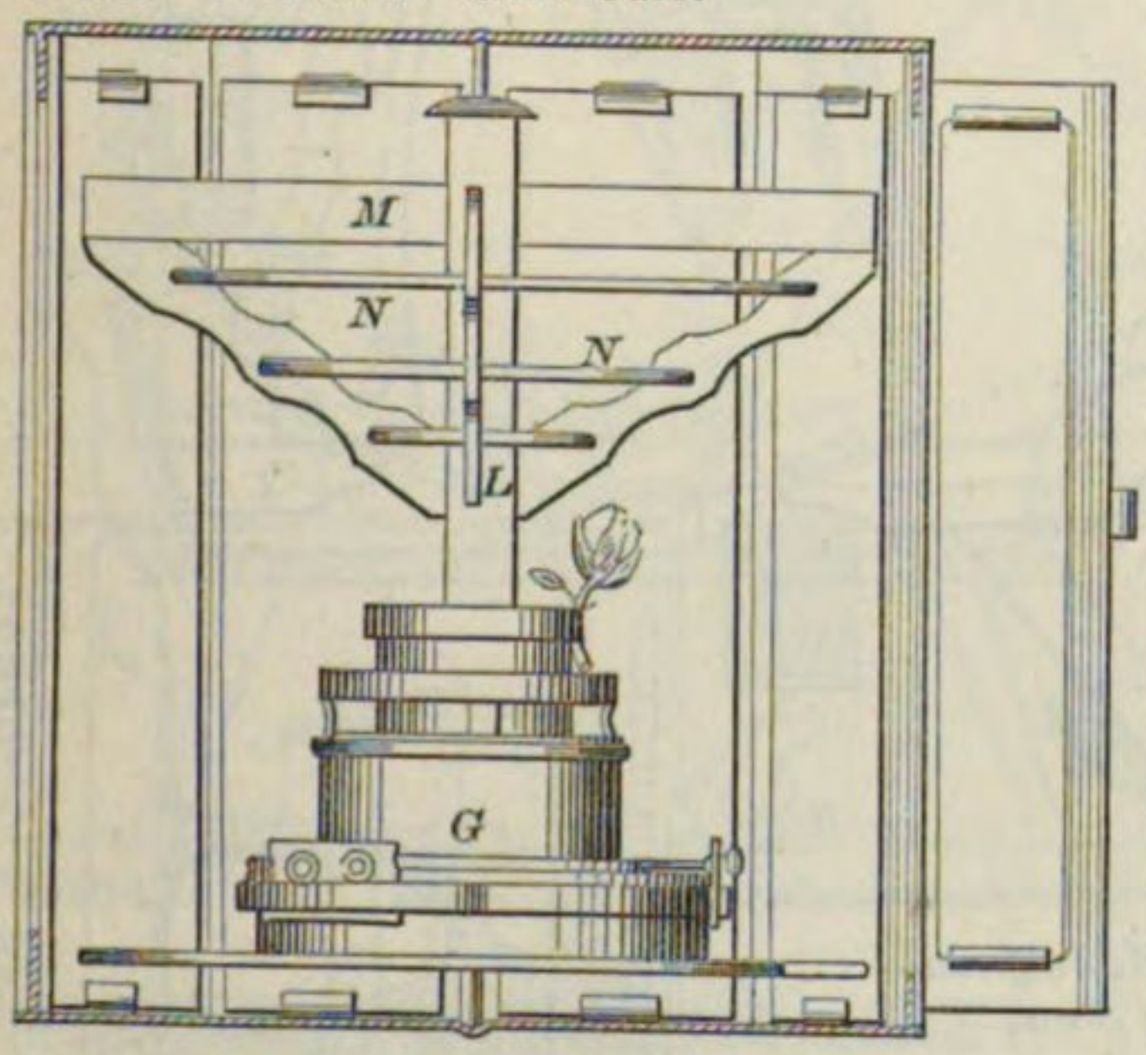
56929—J. A. Griggs—*Head Block for Saw Mills.*



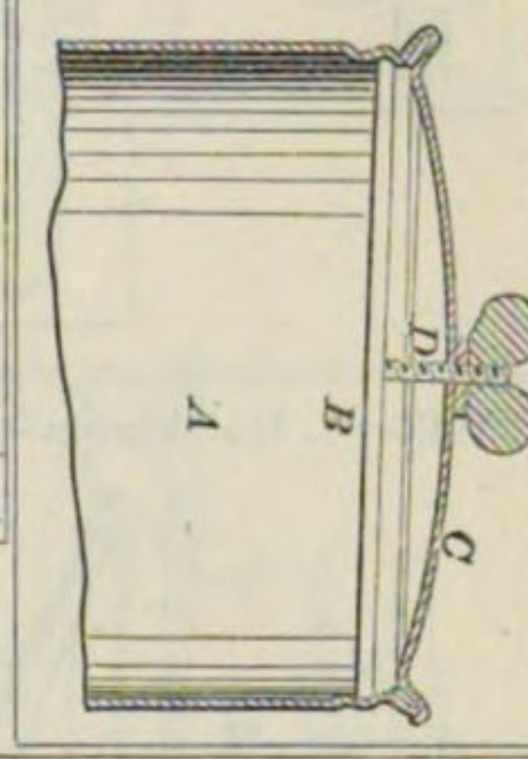
56930—N. Groel—*Traveling Bag Frame.*



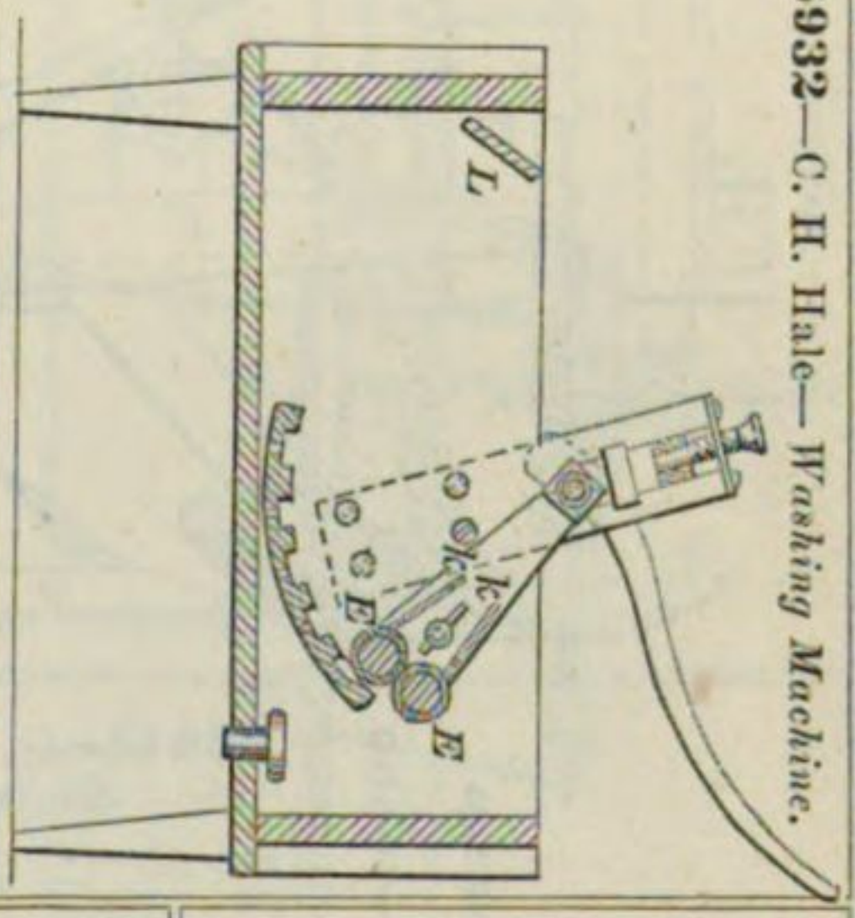
56931—J. Haines—*Show Case.*



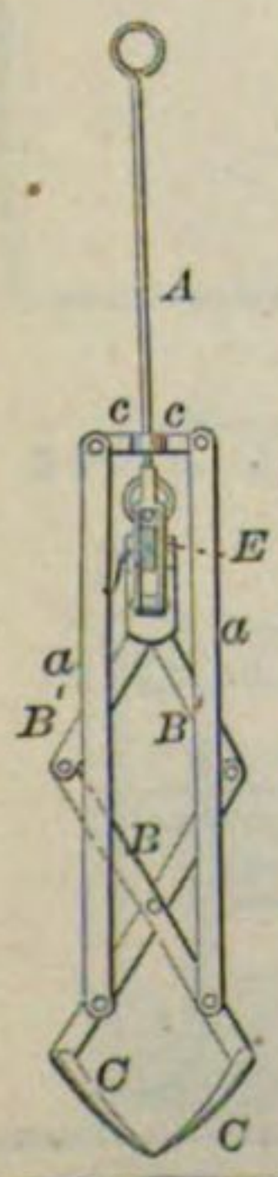
56934—B. I. Harris—*Fruit Jar.*



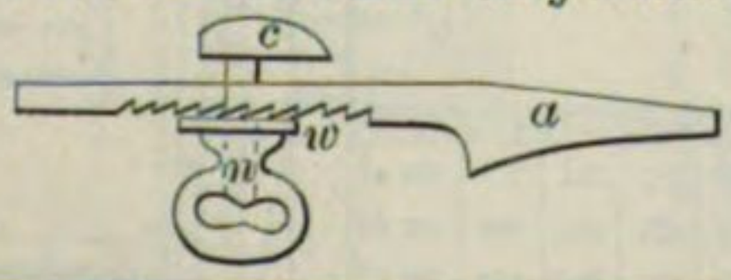
56932—C. H. Hale—*Washing Machine.*



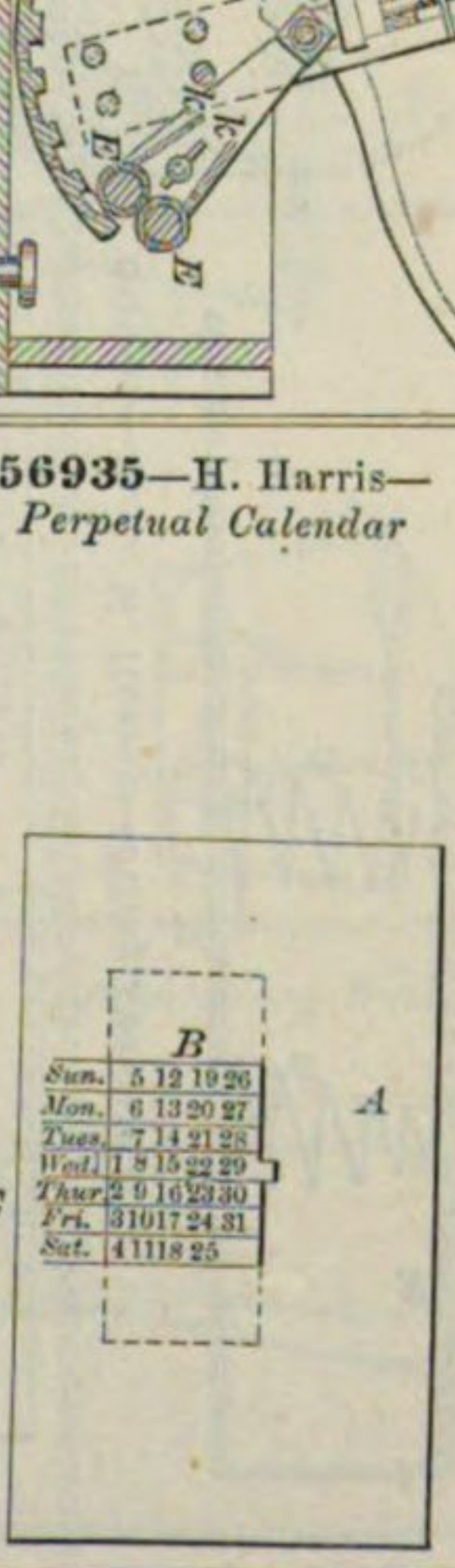
56936—S. & D. Harris—*Horse Hay Fork.*



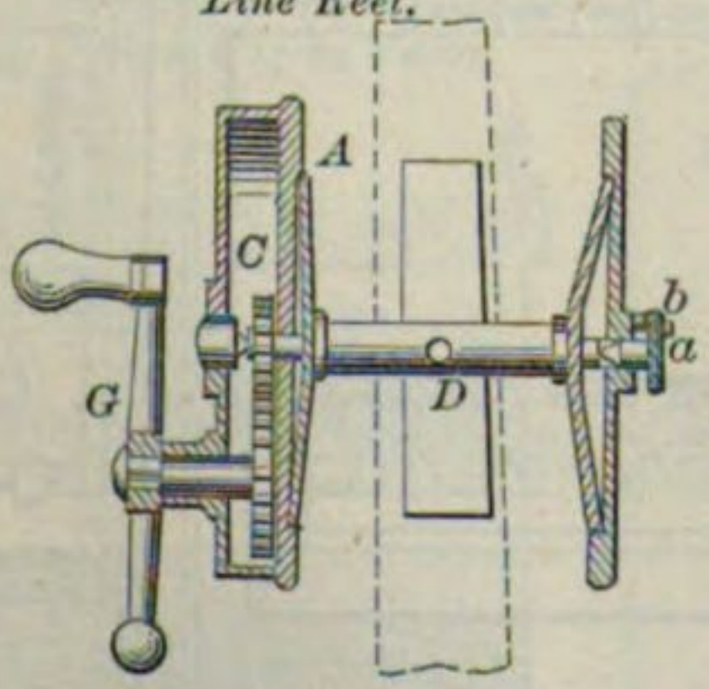
56933—M. P. Hall—*Key Fastener.*



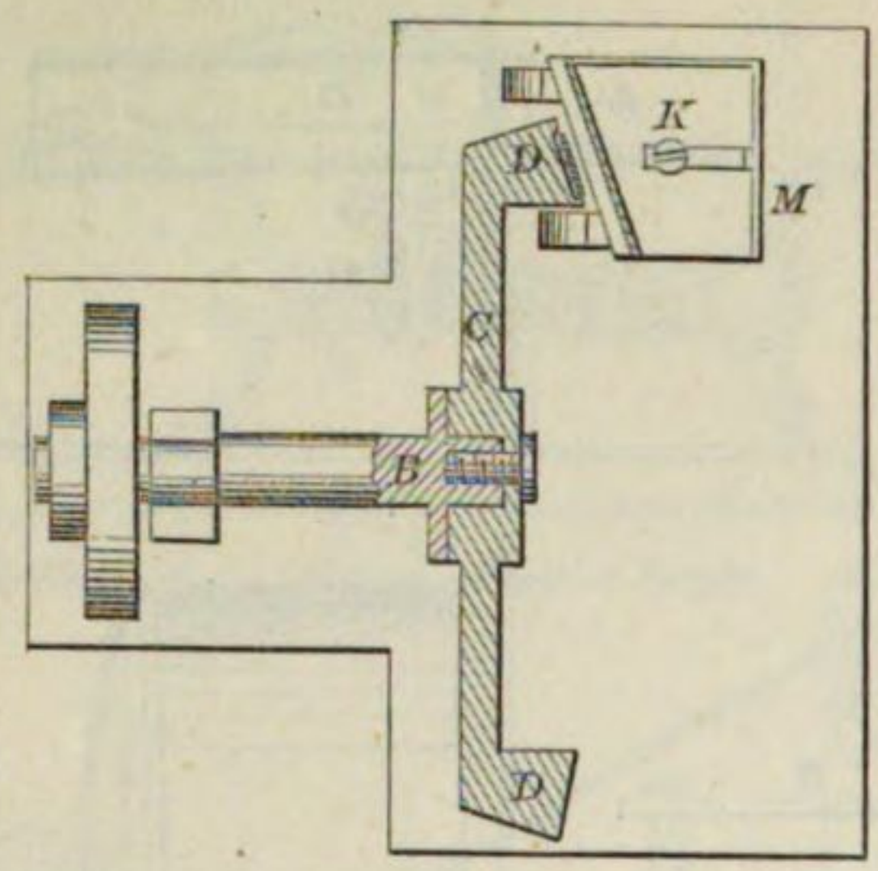
56935—H. Harris—*Perpetual Calendar*



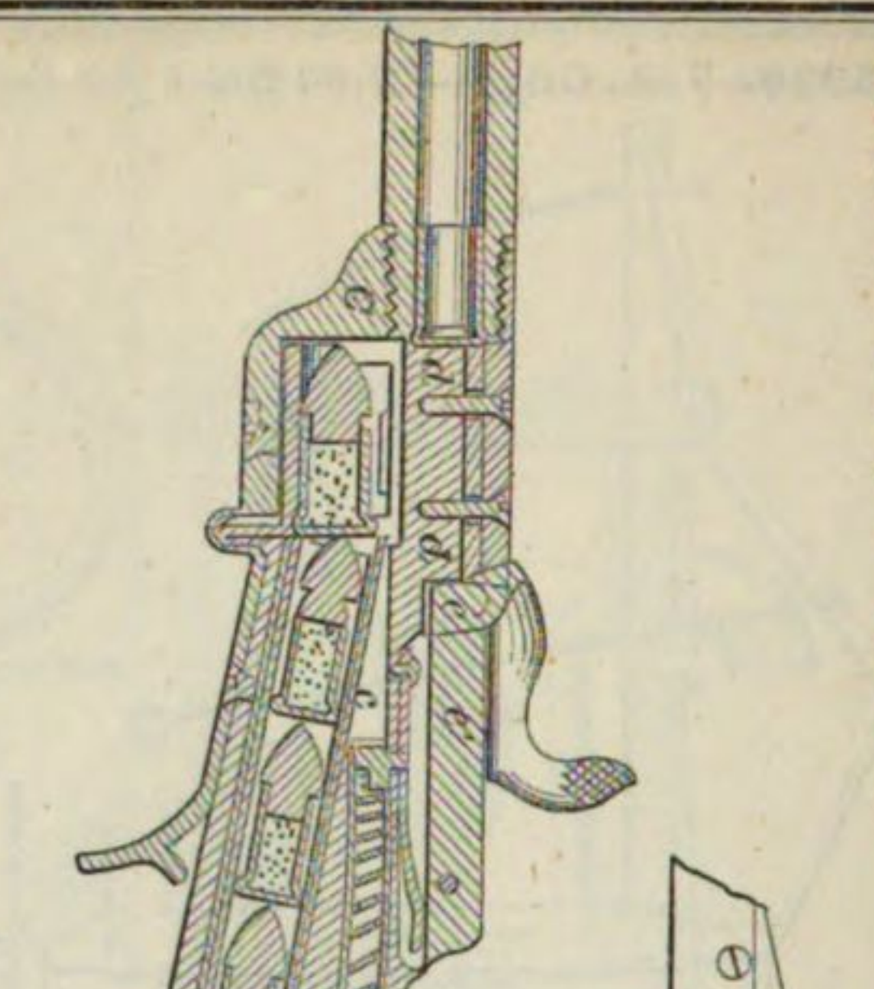
56937—A. B. Hartill—*Fishing Line Reel.*



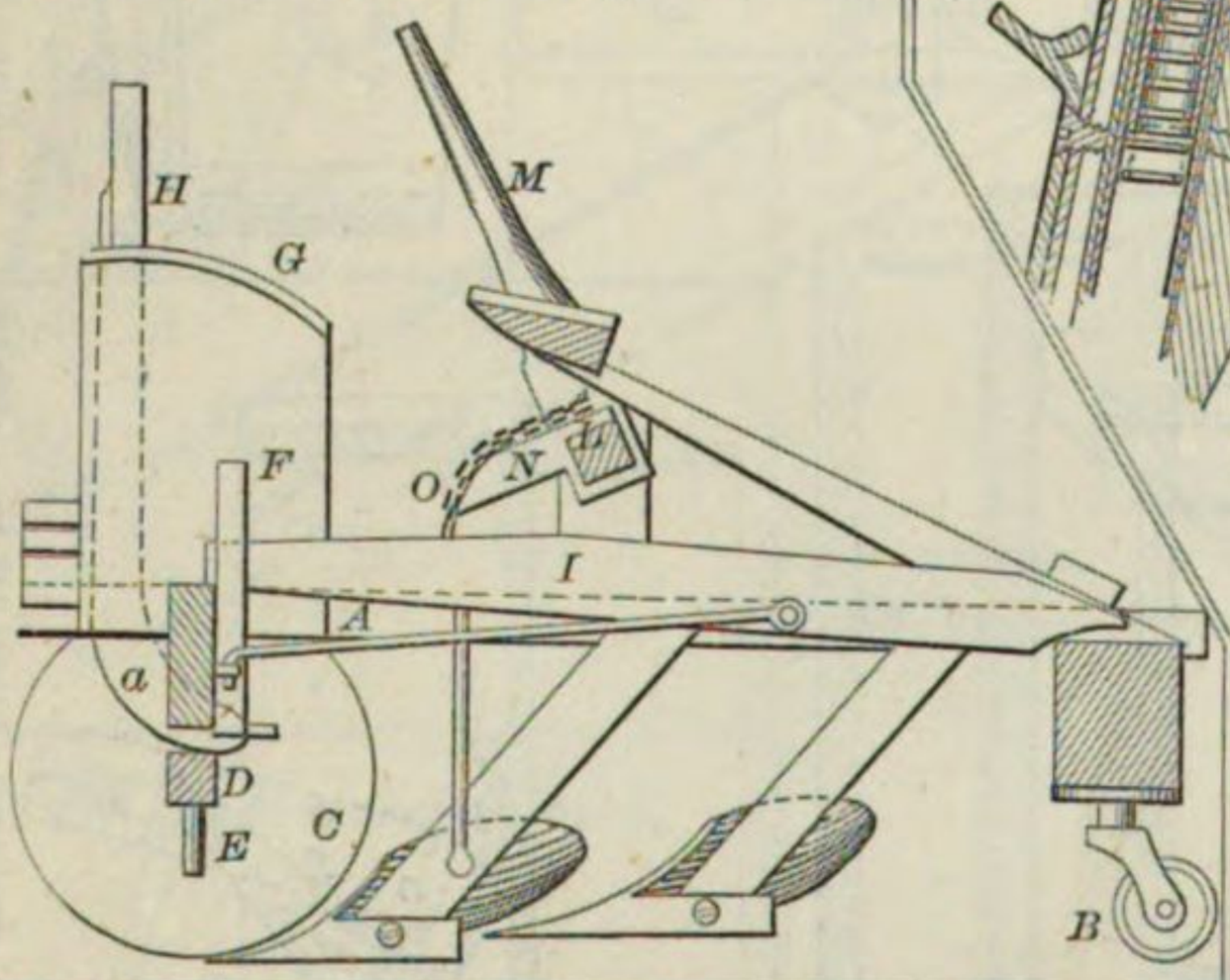
56938—C. H. Helms—*Leather Chamfering Machine.*



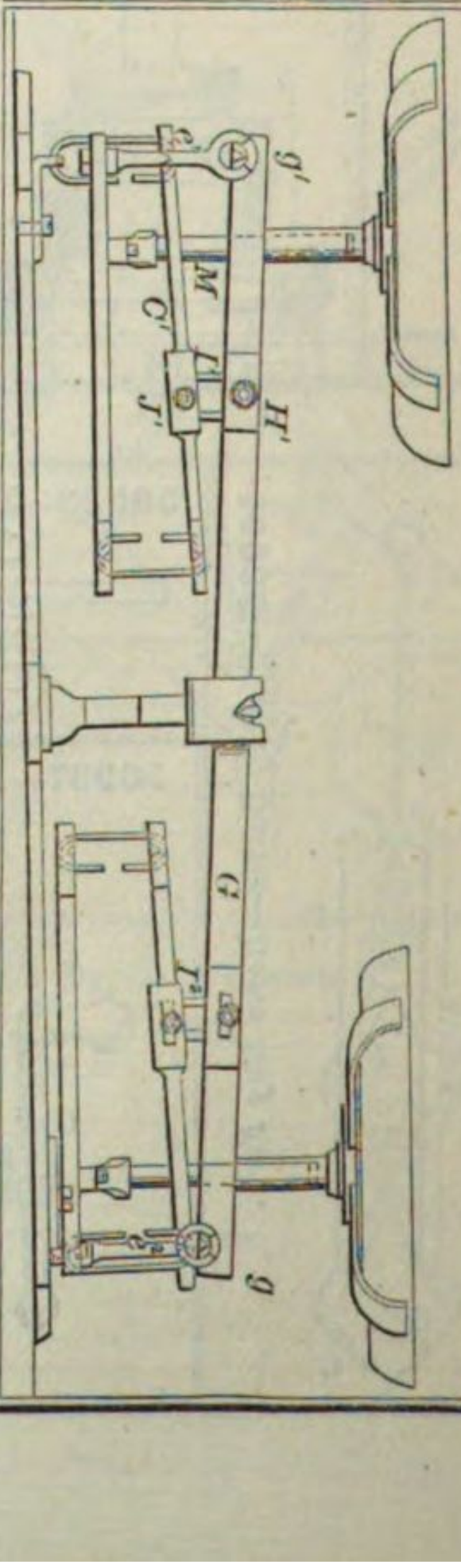
56939—H. W. Hayden—*Fire Arm.*



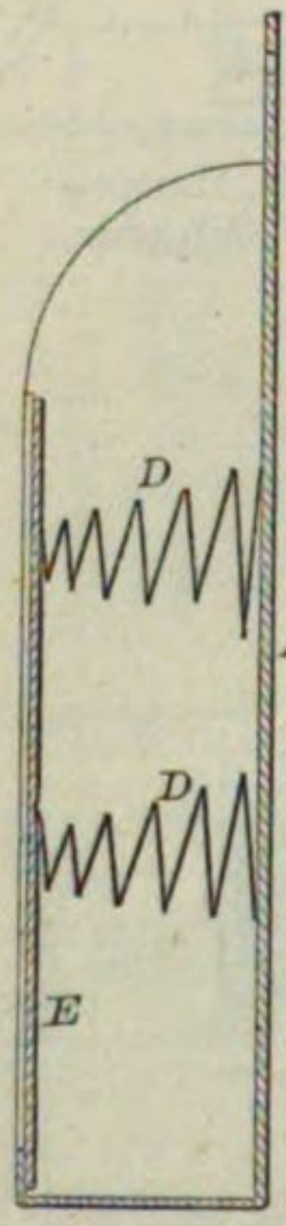
56942—S. Hutchinson—*Gang Plow.*



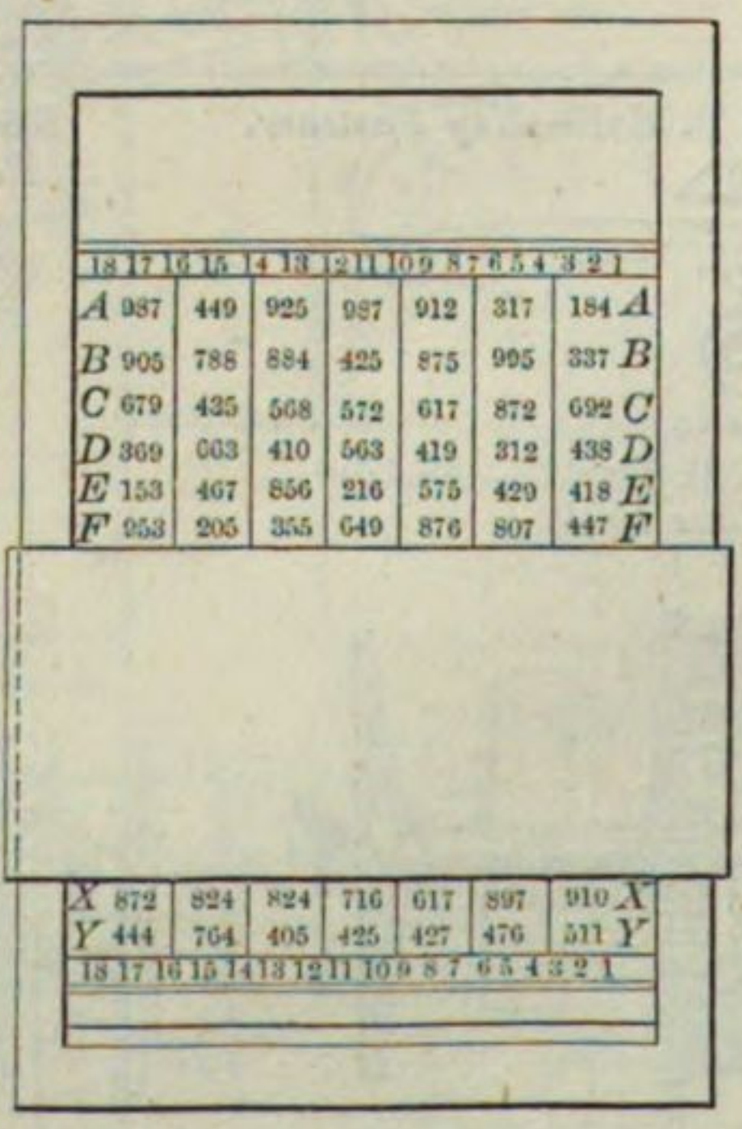
56940—C. E. Hoffmann—*Scales.*



56941—M. L. M. Hussey—*Filing Documents.*



56943—G. N. Jackson—*Sliding Slate.*



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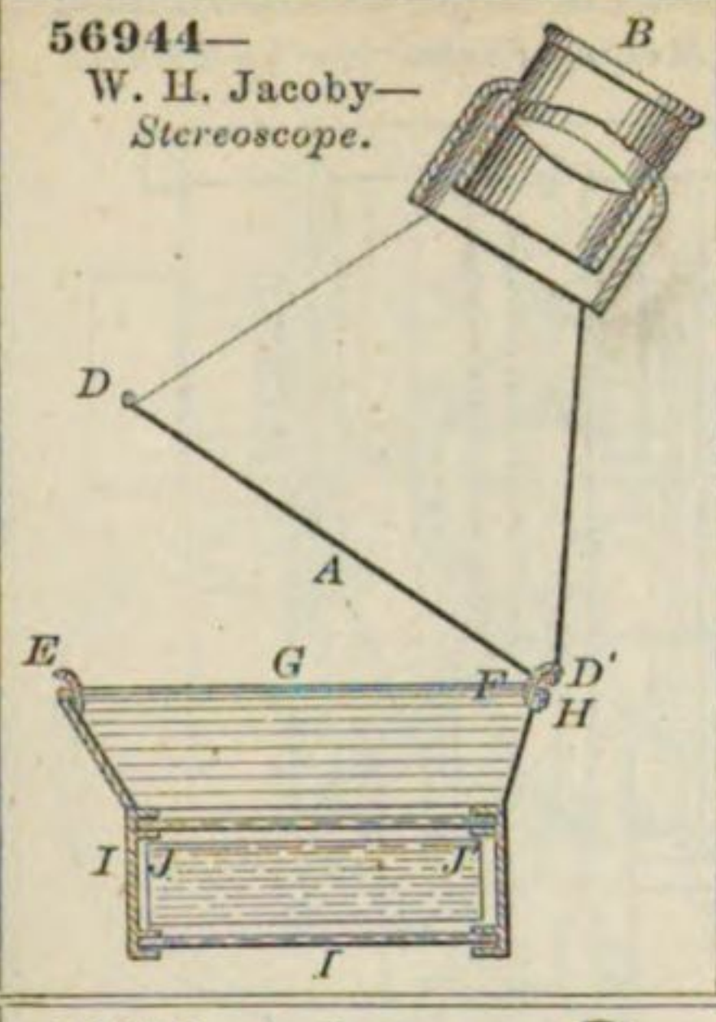
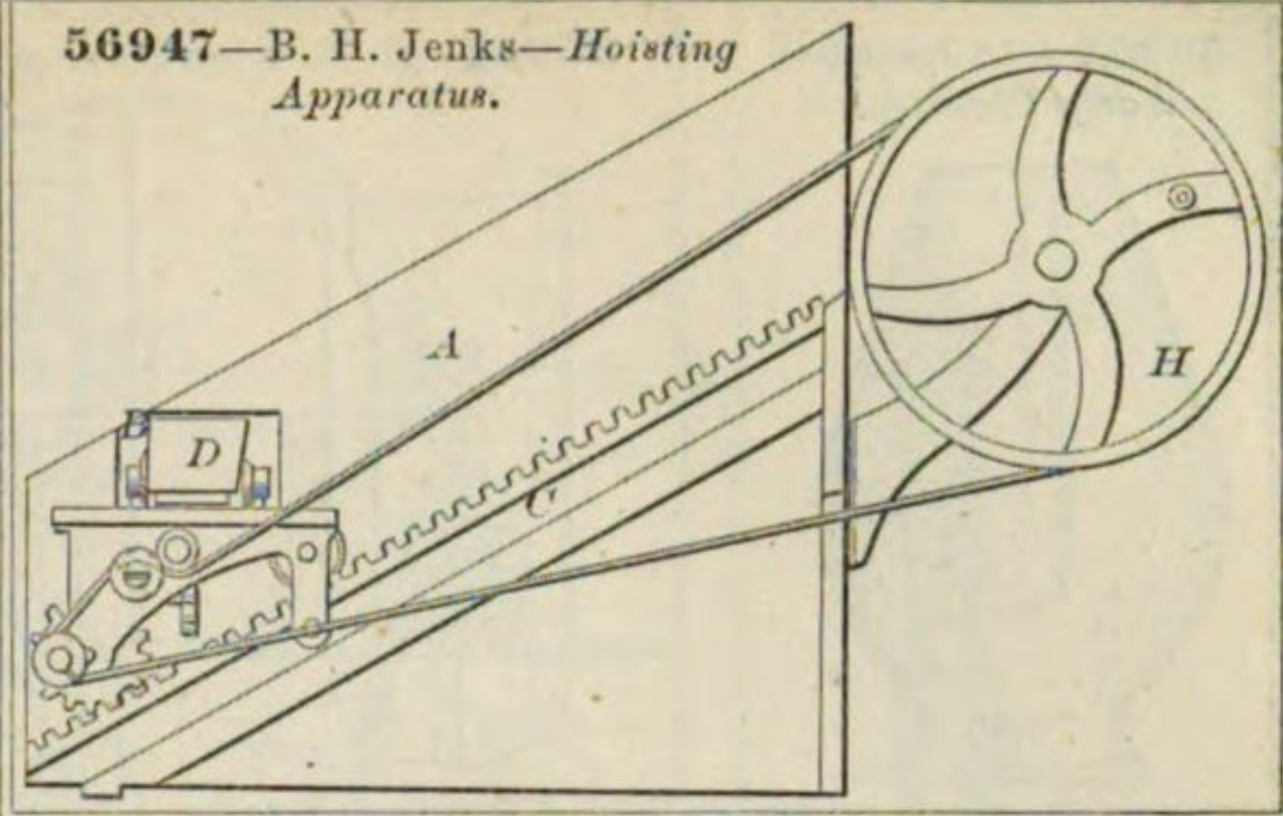
A	987		449		925		987		912		317		184						A
B	905		788		884		425		875		995		337						B
C	679		435		568		572		617		872		692						C
D	369		663		410		563		419		312		438						D
E	153		467		856		216		575		429		418						E
F	953		205		355		649		876		807		447						F
X	872		824		824		716		617		897		910						X
Y	444		764		405		425		427		476		511						Y
	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	

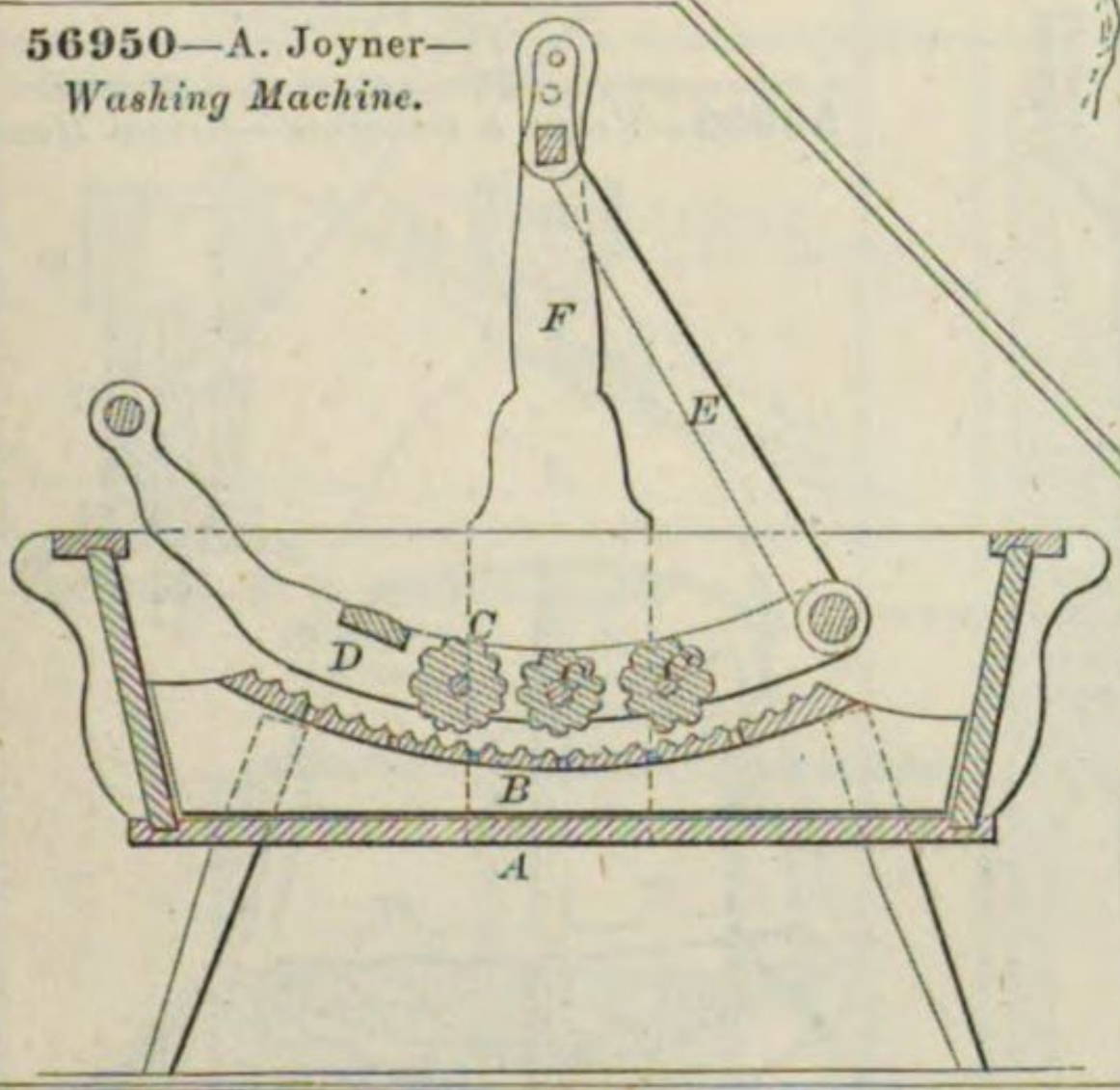
56944—W. H. Jacoby—*Stereoscope.*



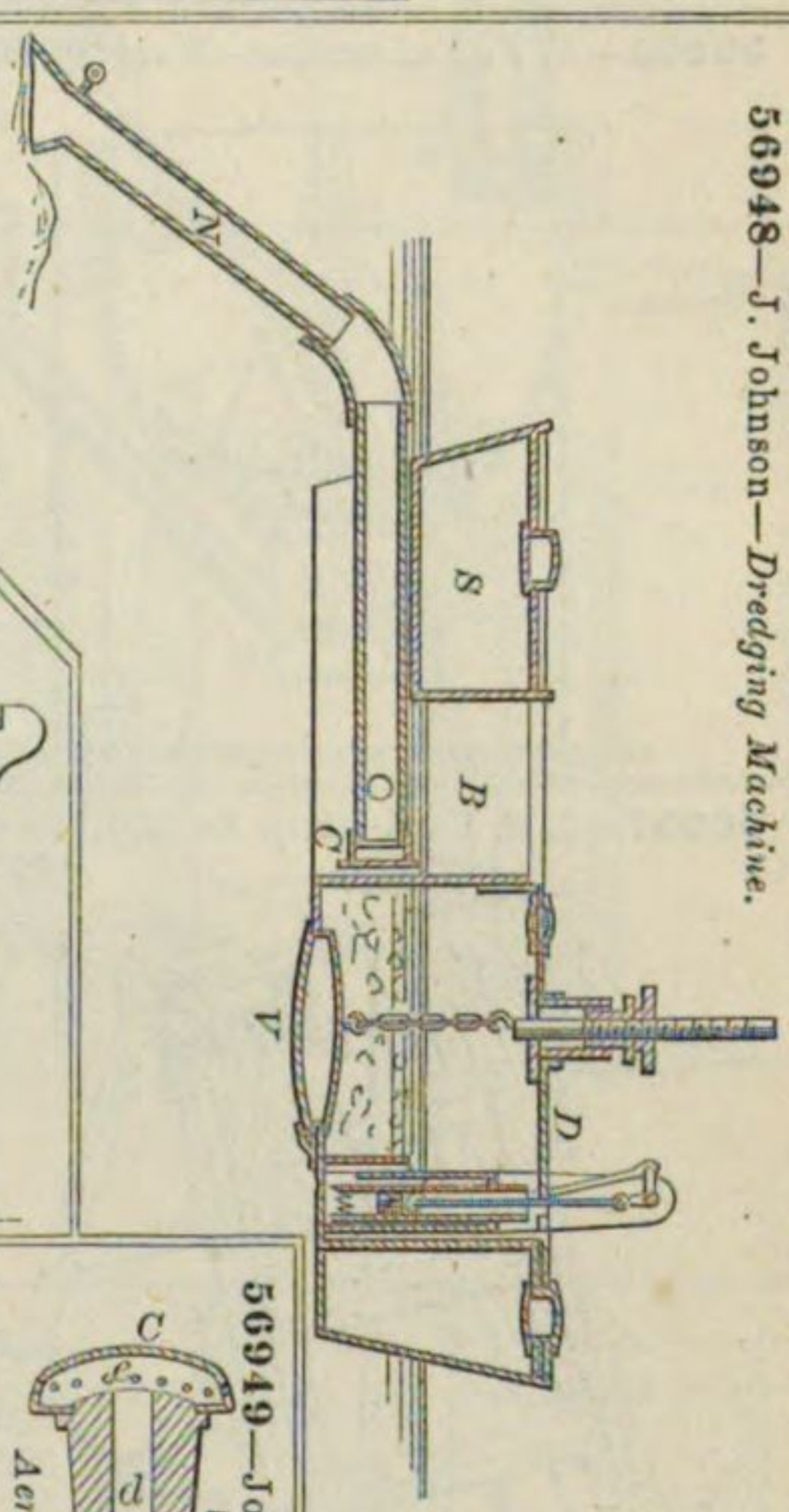
56947—B. H. Jenks—*Hoisting Apparatus.*



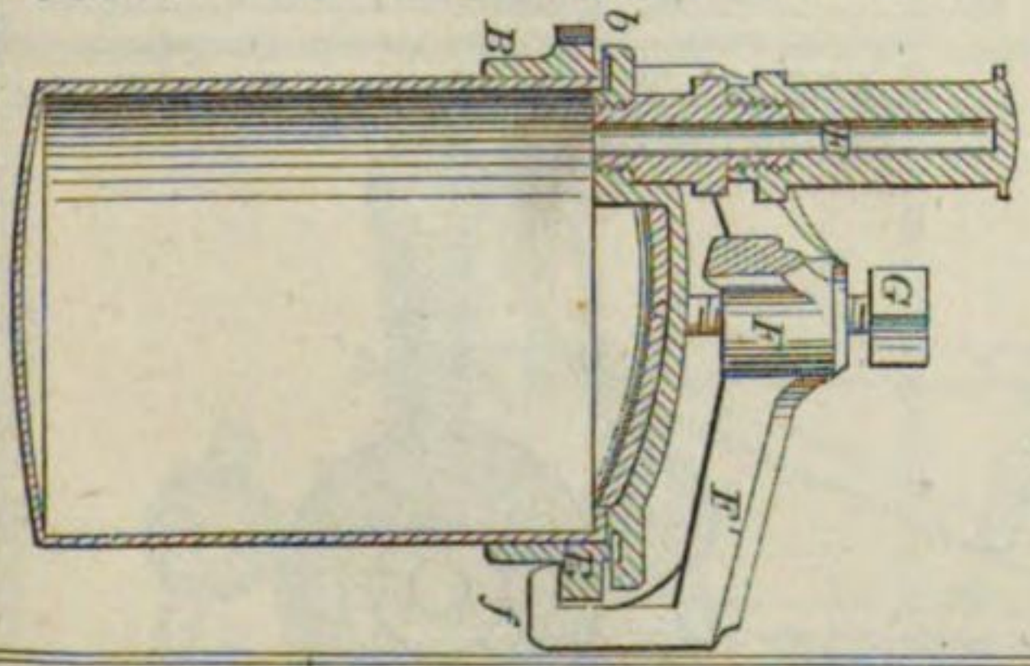
56950—A. Joyner—*Washing Machine.*



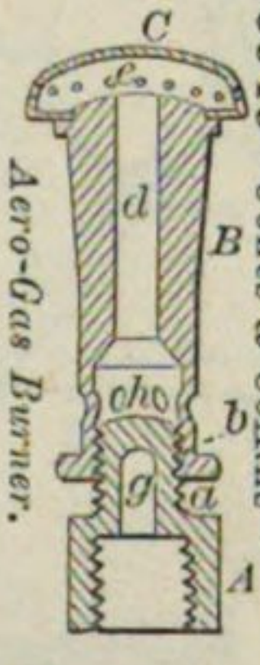
56948—J. Johnson—*Dredging Machine.*

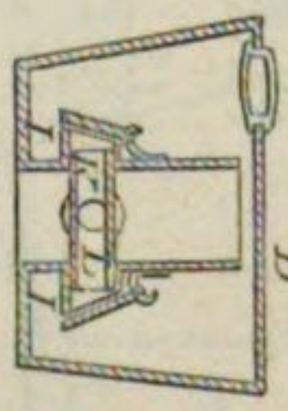


56945—C. H. James—*Dentist's Vulcanizer.*

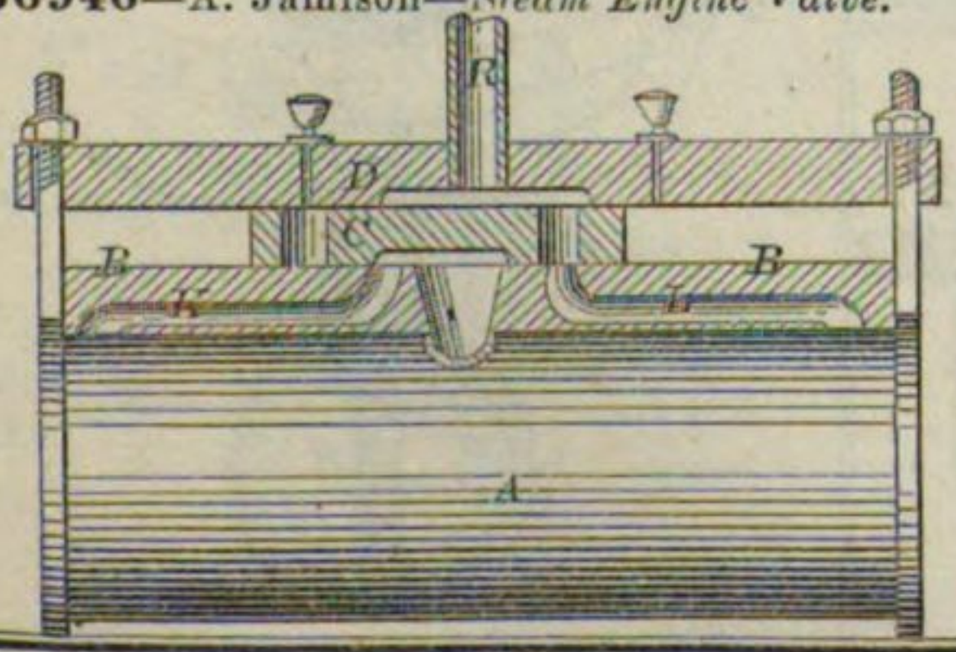


56949—Jones & Collins—*Aero-Gas Burner.*

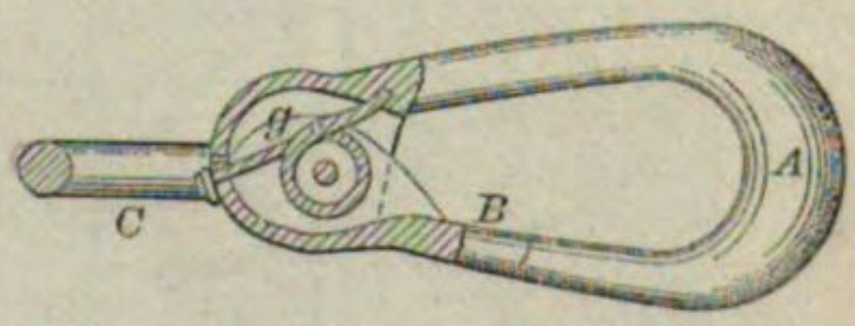




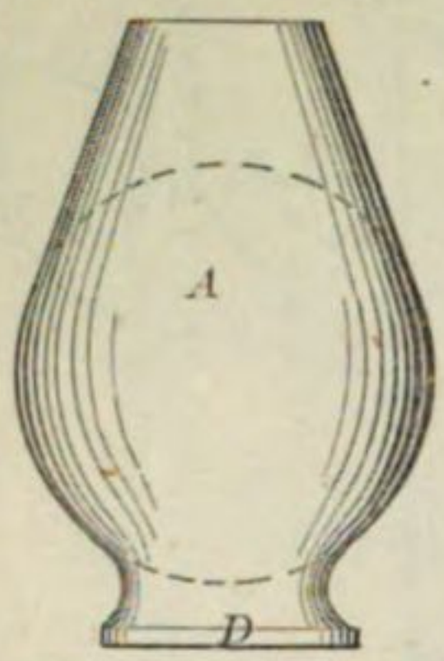
56946—A. Jamison—*Steam Engine Valve.*



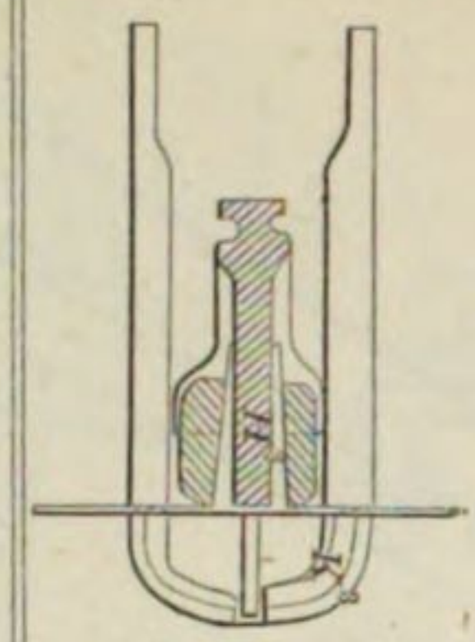
56951—O. S. Judd—*Snap Hook.*

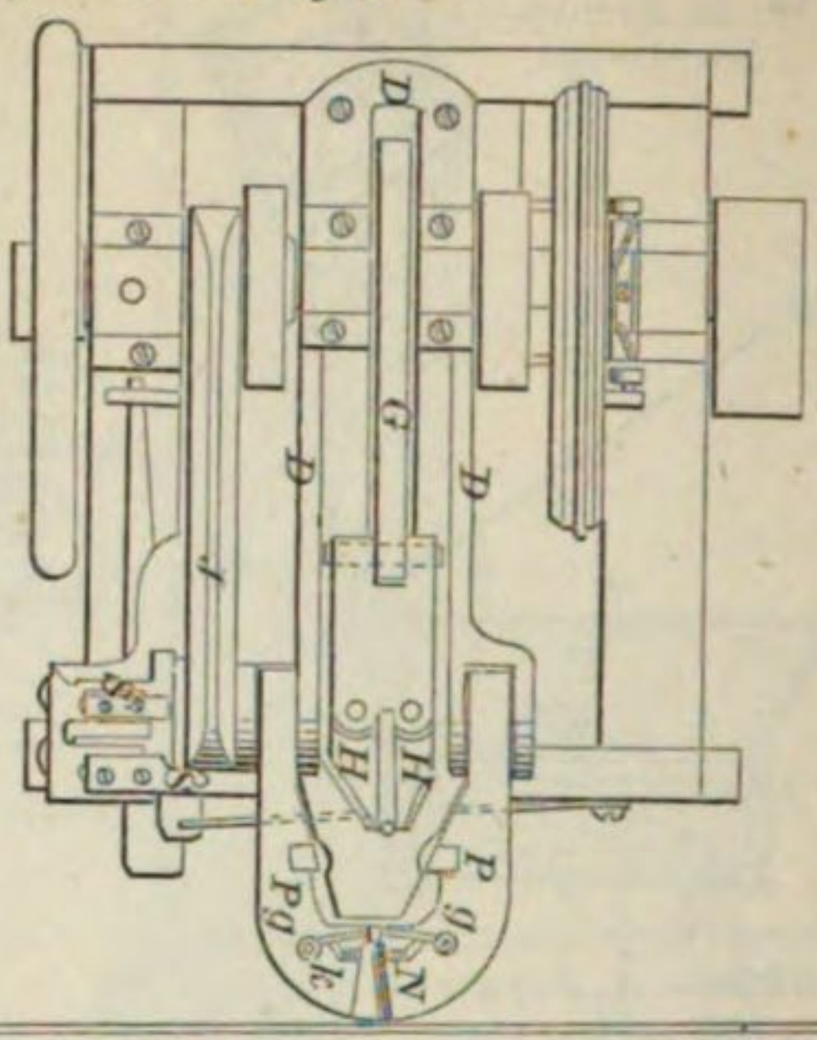


56952—A. Judson—*Lamp Chimney.*

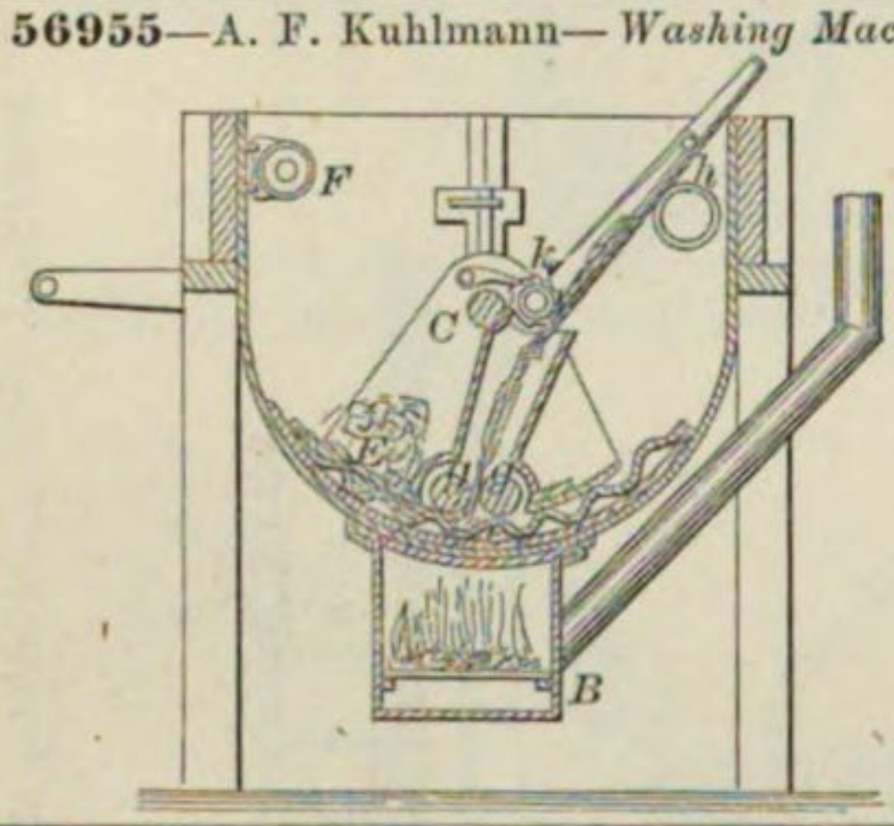


56954—H. B. Kinney—*For Making Forks.*

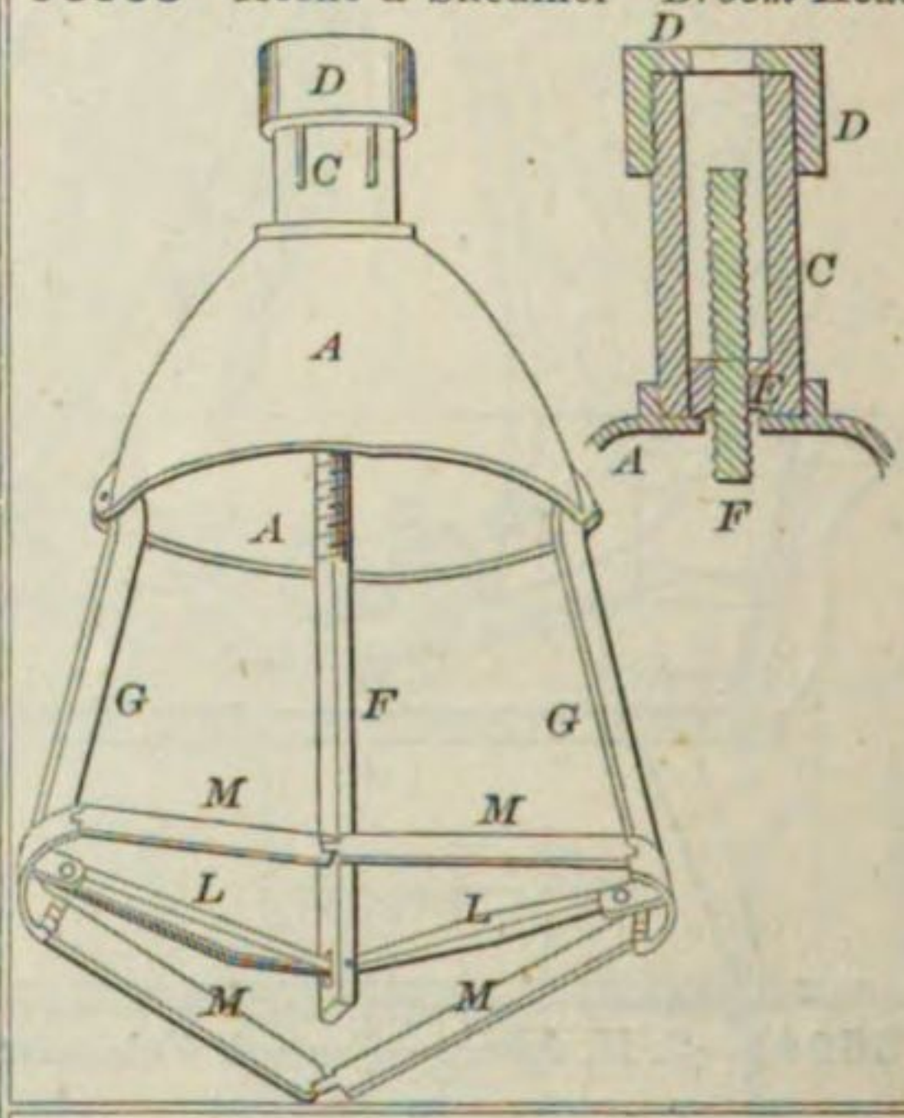




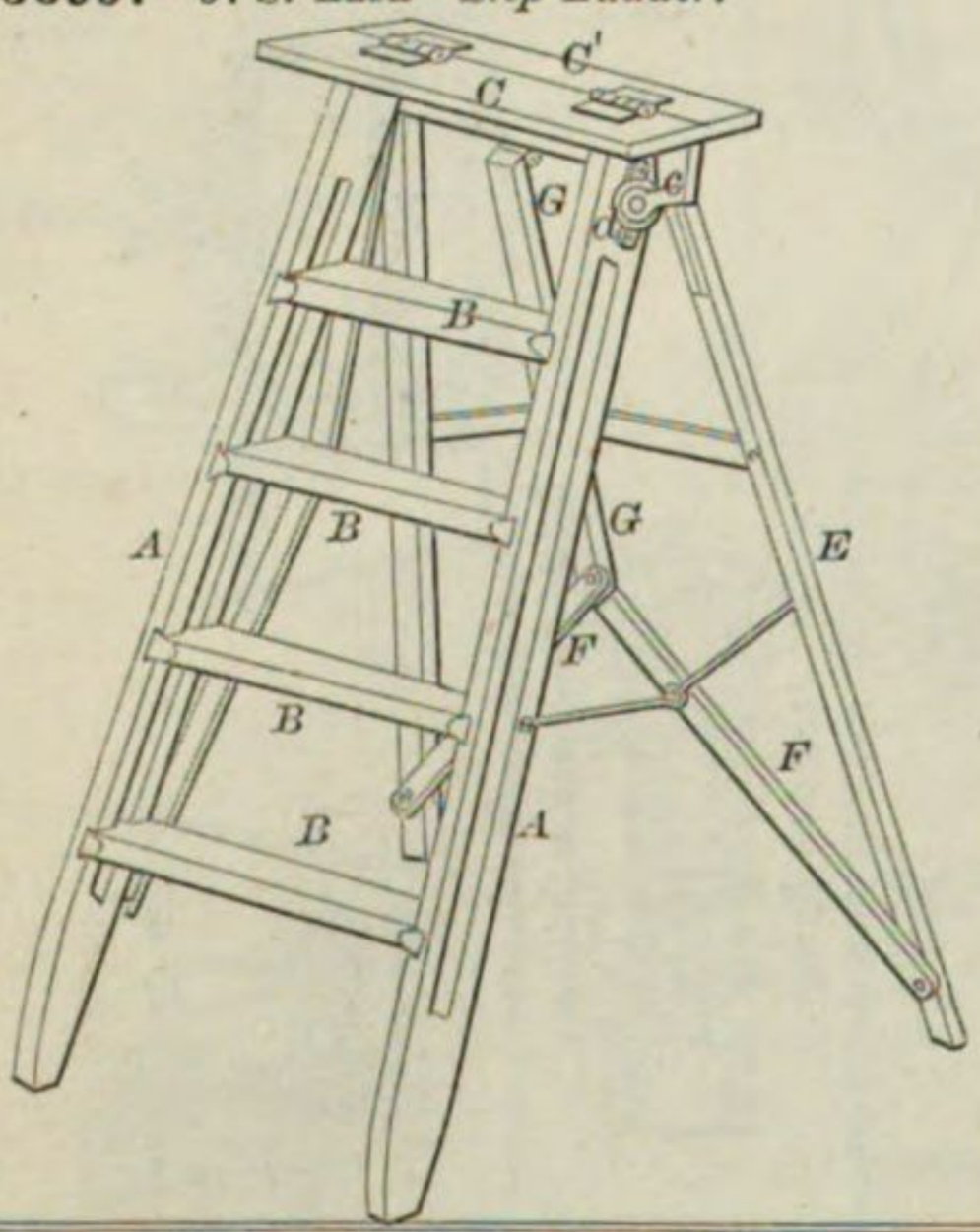
56955—A. F. Kuhlmann—*Washing Machine.*



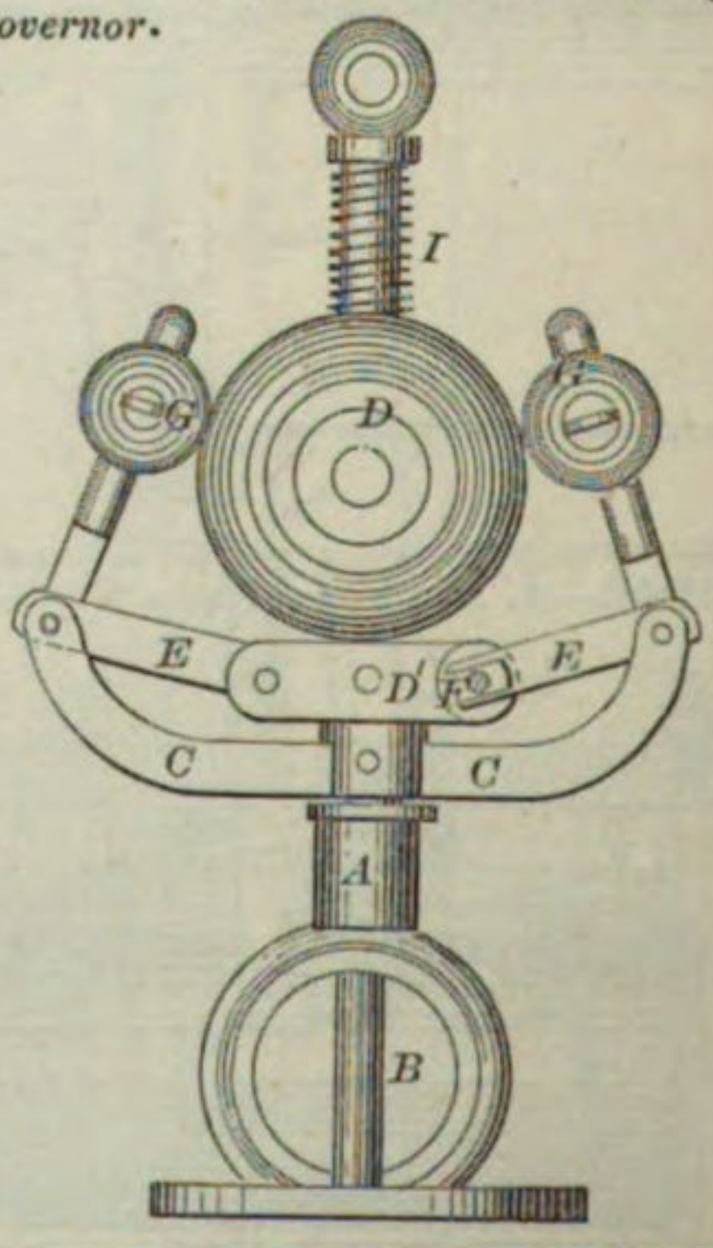
56953—Keene & Snediker—*Broom Head.*



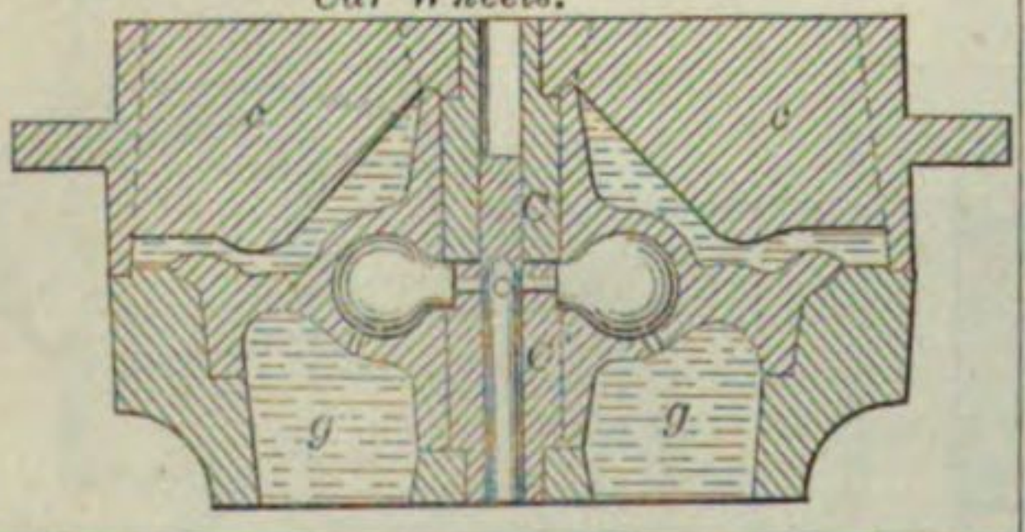
56957—J. S. Lash—*Step Ladder.*



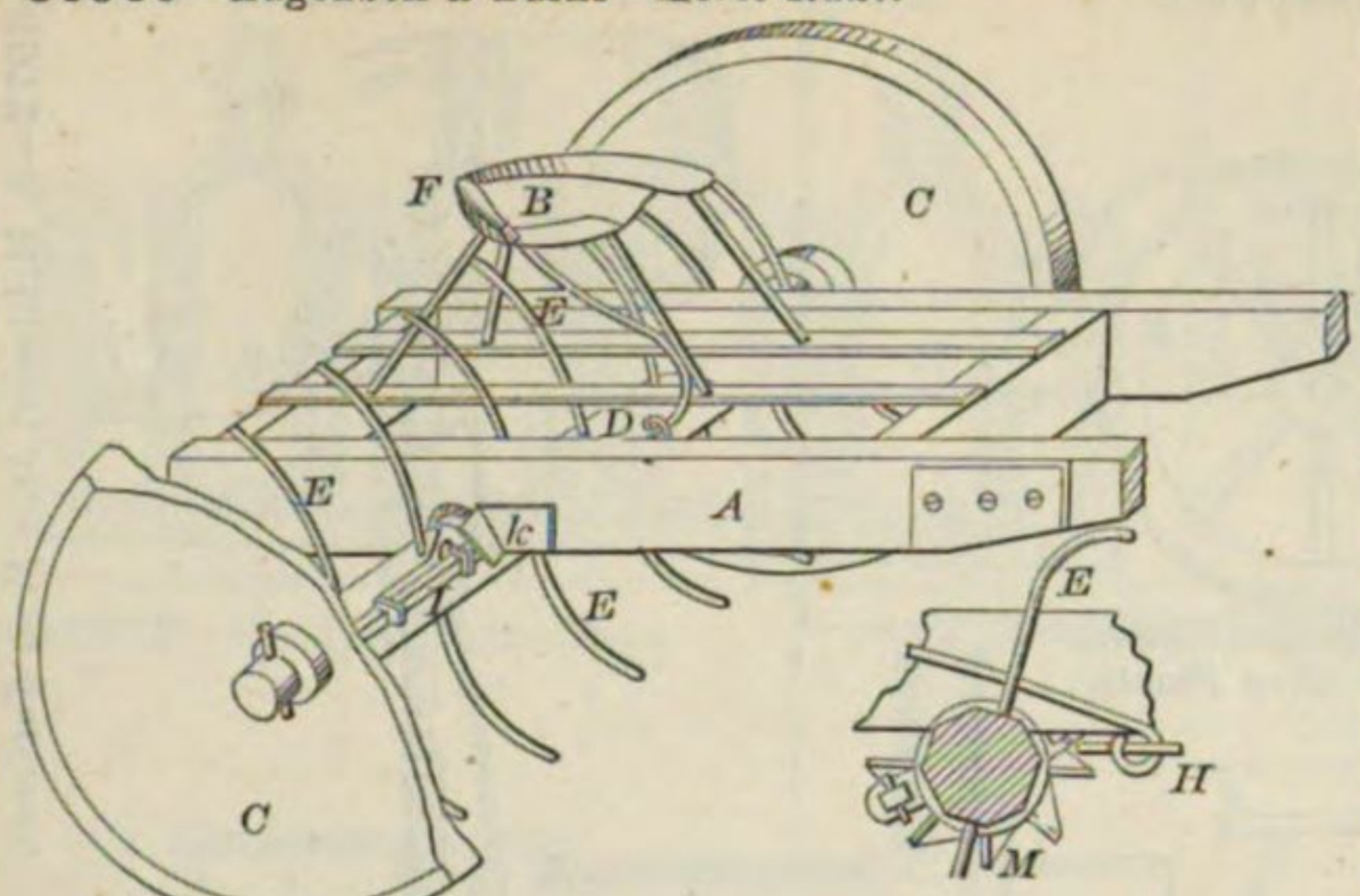
56956—T. S. La France—*Steam Engine Governor.*



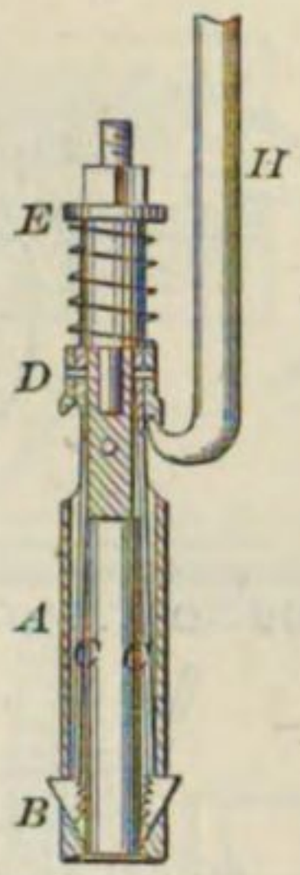
56958—J. W. Latcher—*Centre Chill for Car Wheels.*



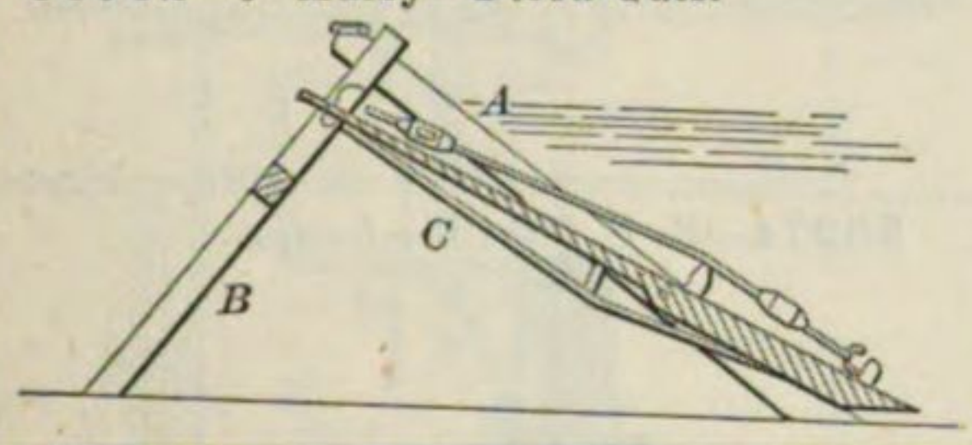
56960—Lugenbell & Barns—*Horse Rake.*



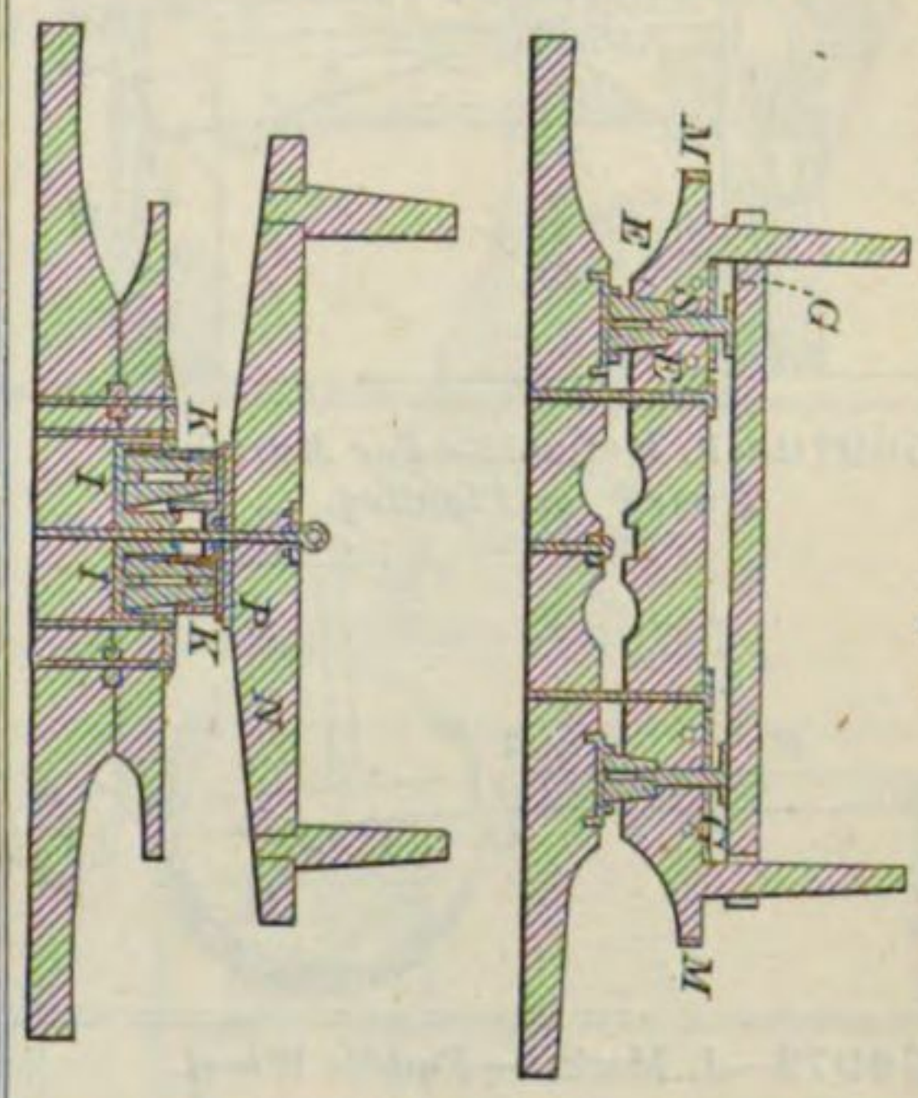
56961—J. H. Luther—*Grab for Oil Wells.*



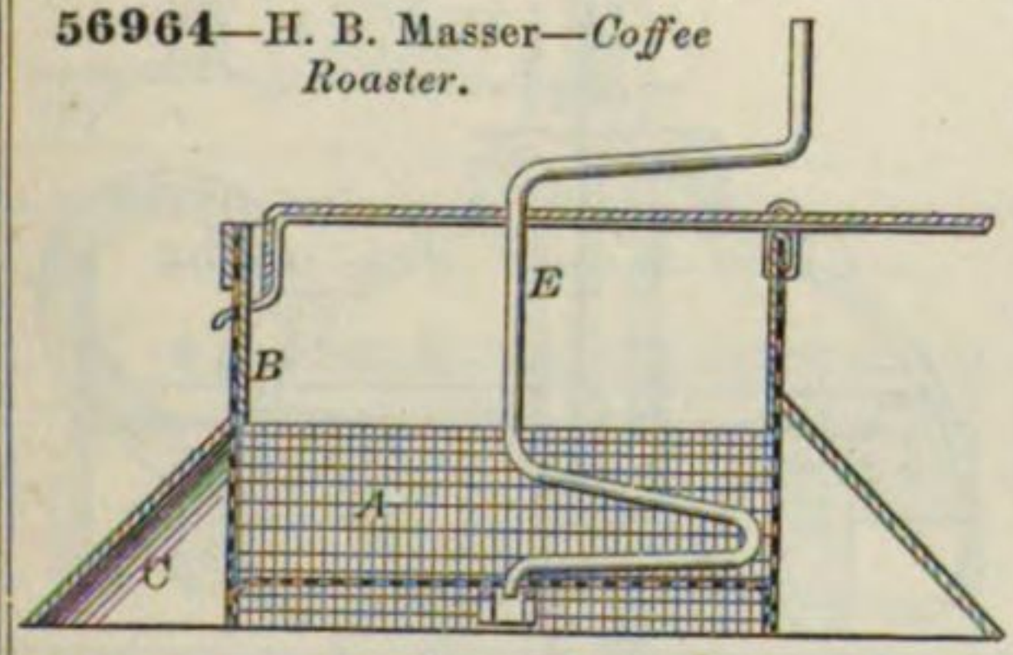
56962—J Malby—*Flood Gate.*



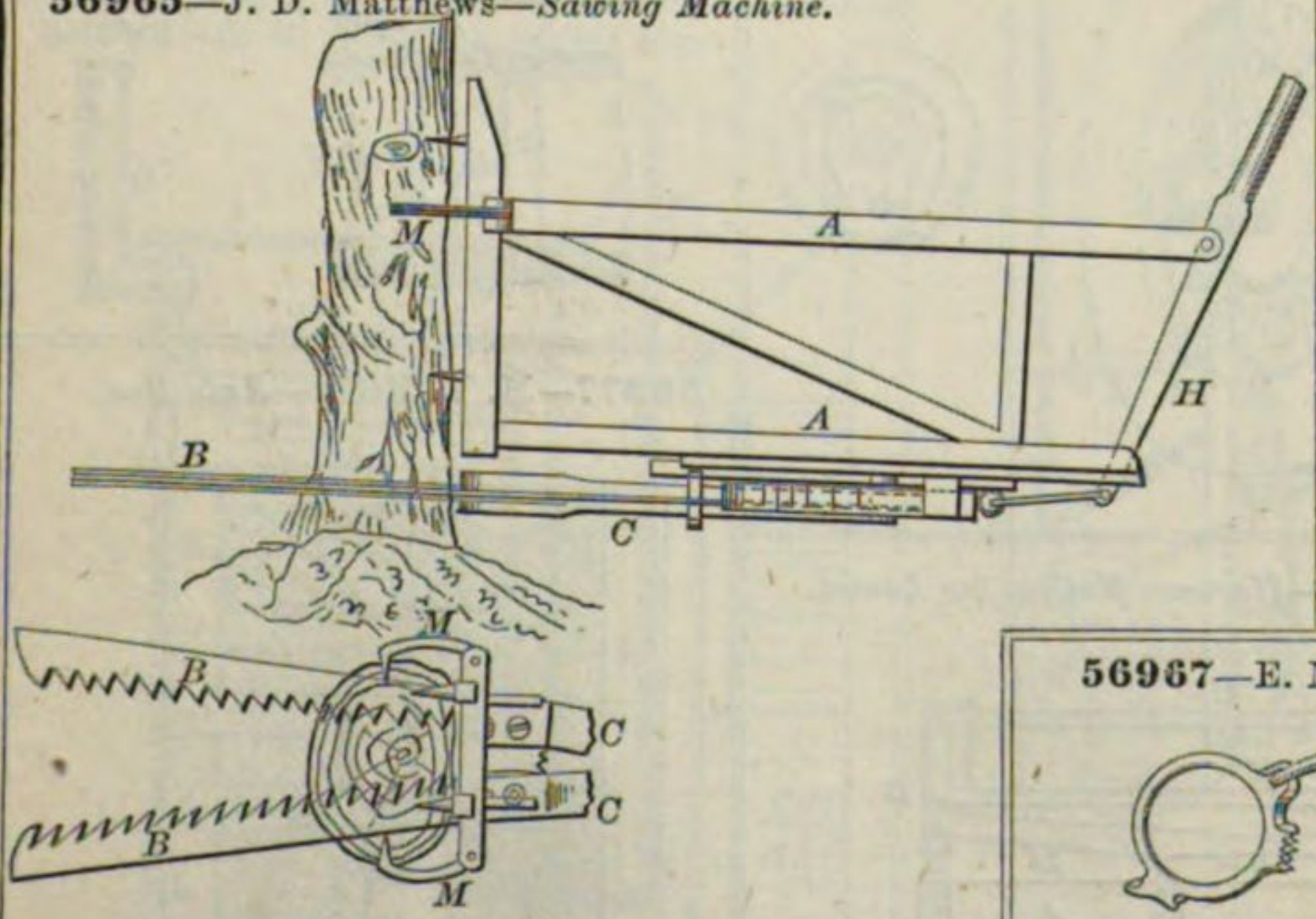
56963—C. S. Martin—*Wagon.*



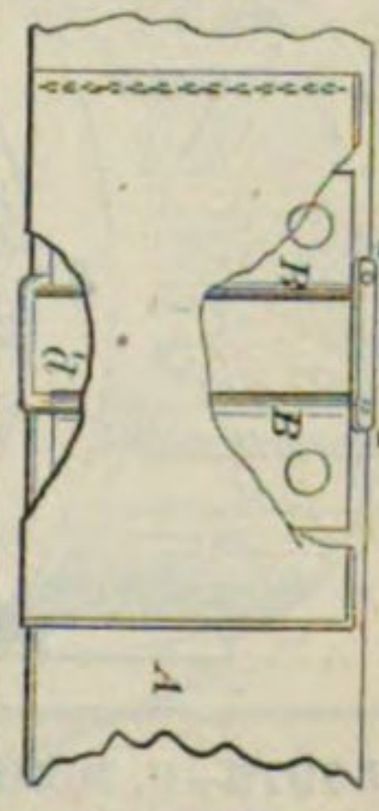
56964—H. B. Masser—*Coffee Roaster.*



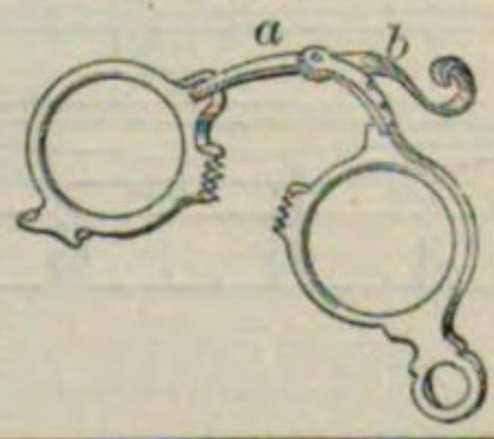
56965—J. D. Matthews—*Sawing Machine.*



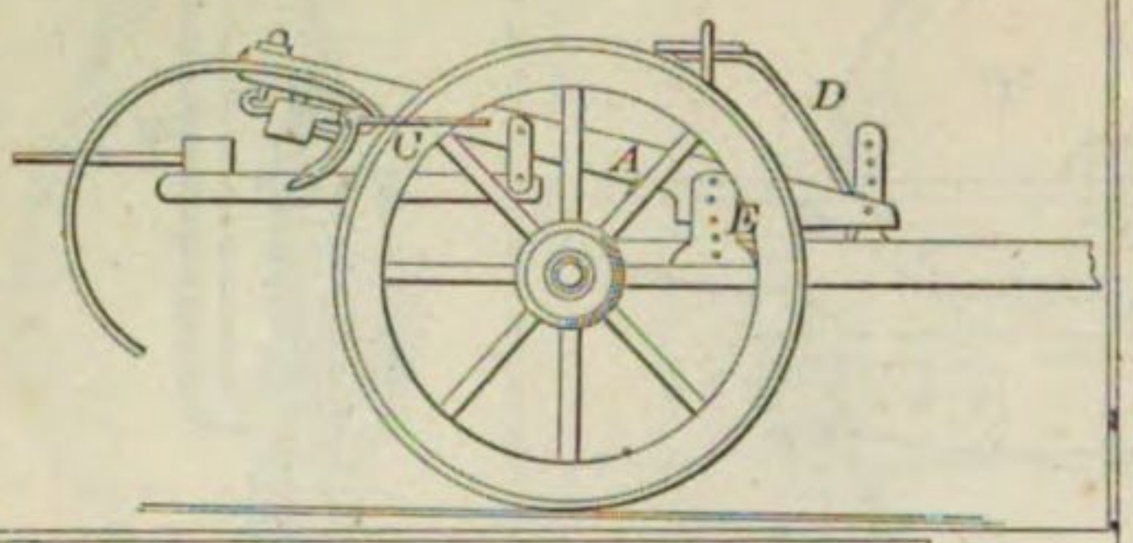
56966—J. Mattix—*Belt Coupling.*



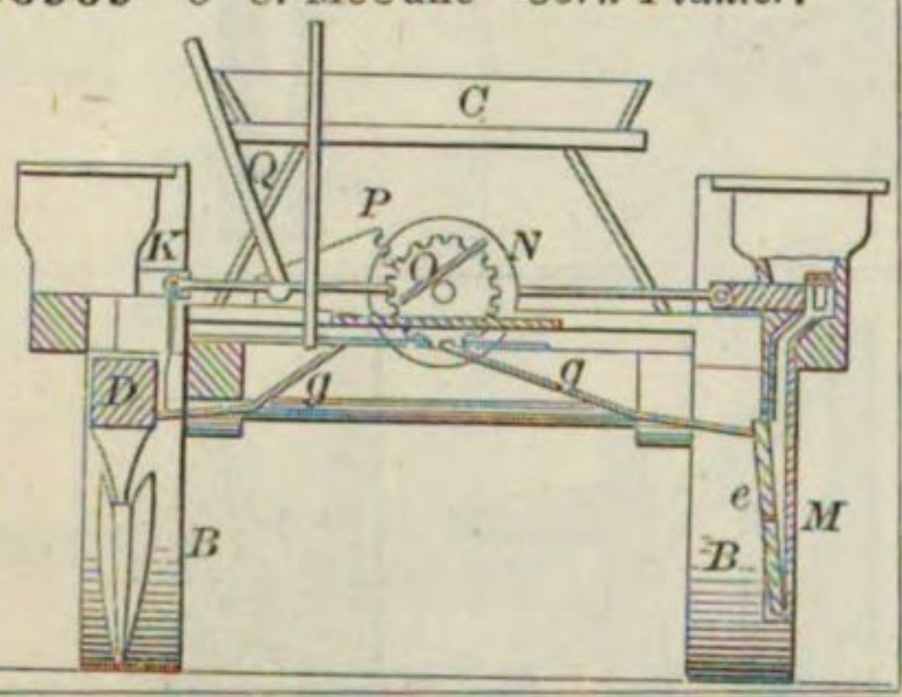
56967—E. Maynard—*Eye Glass.*



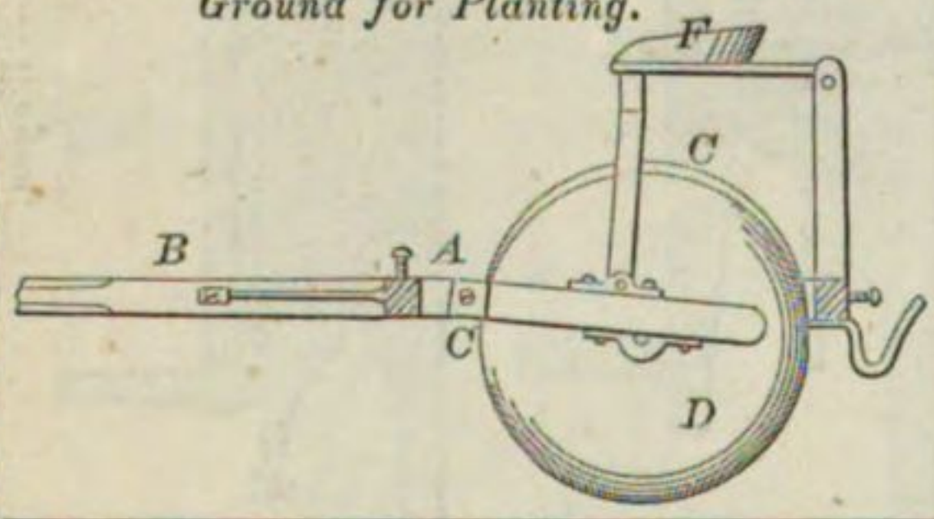
56968—W. McCord—*Horse Rake.*



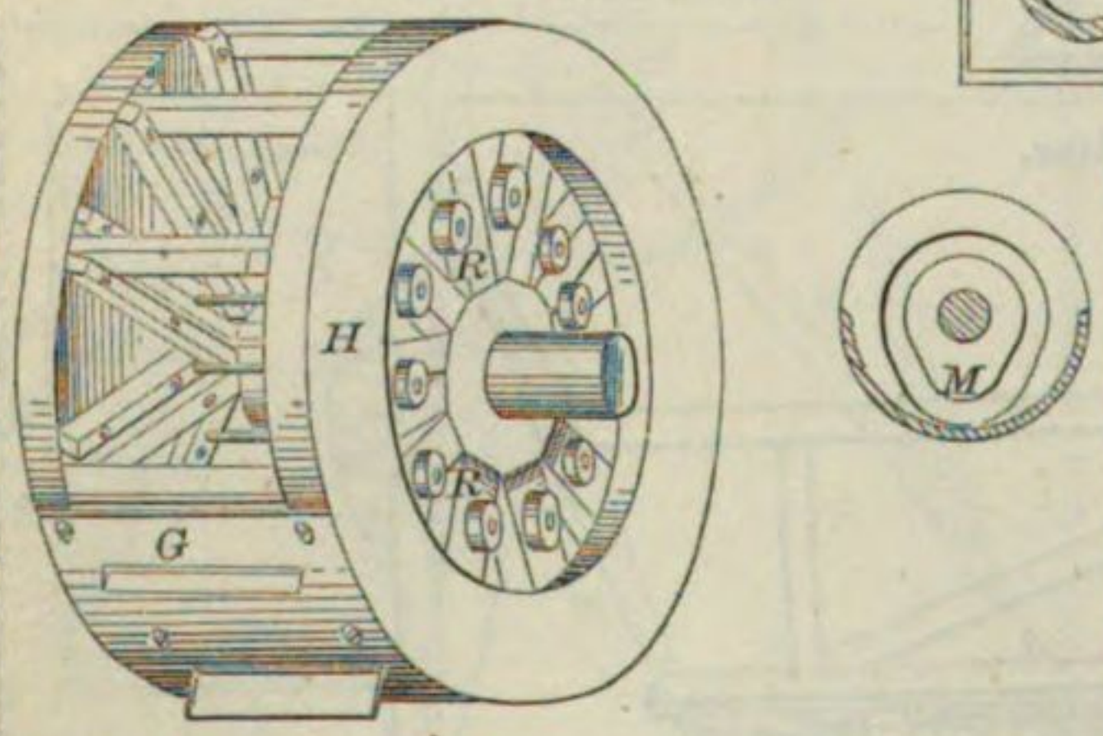
56969—O C. McCune—*Corn Planter.*



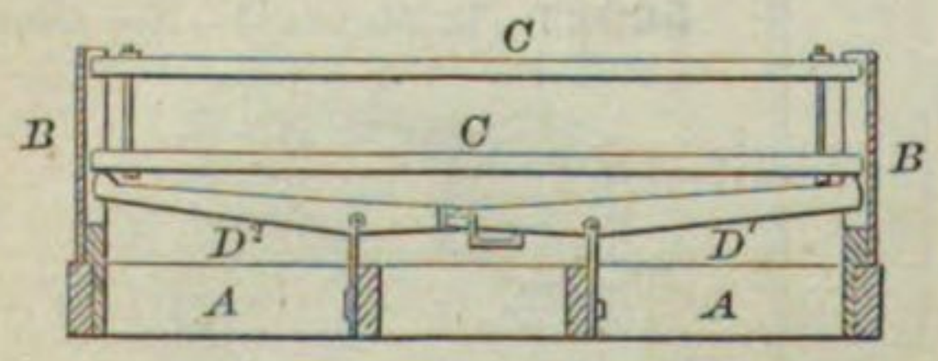
56970—P. McQuaid—*For Marking Ground for Planting.*



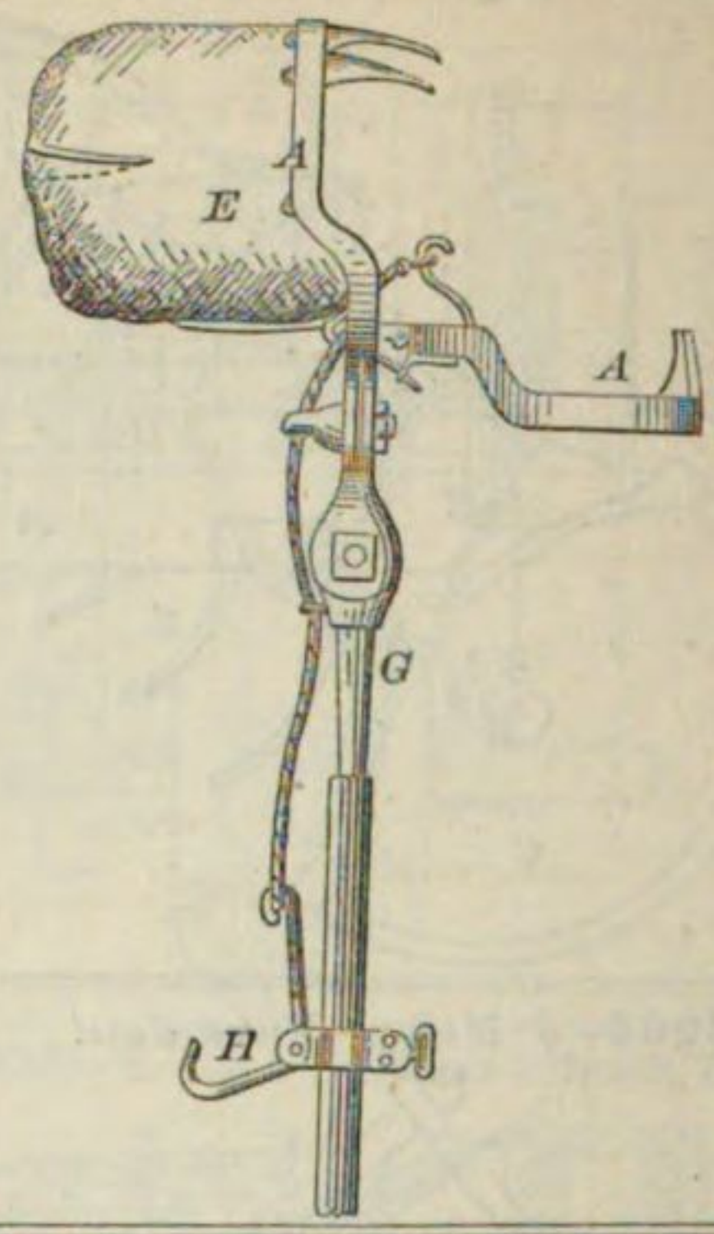
56973—J. Merkel—*Paddle Wheel.*



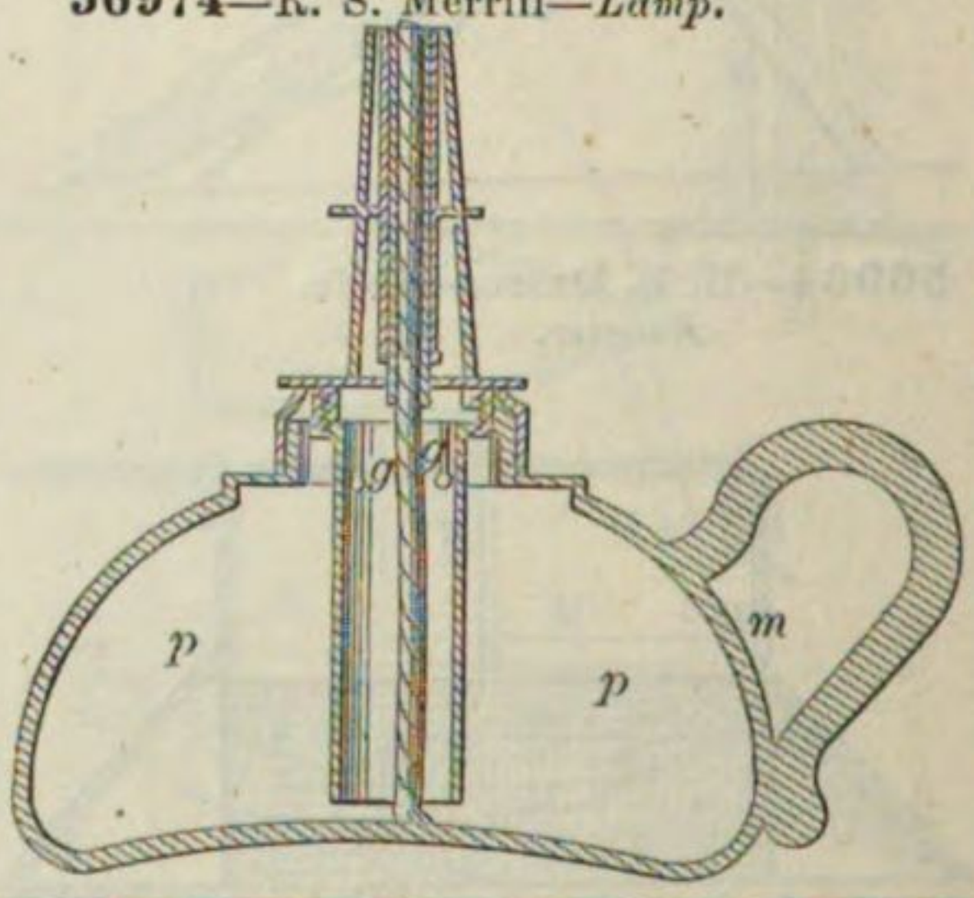
56976—C. Miller—*Harness Motion for Looms.*



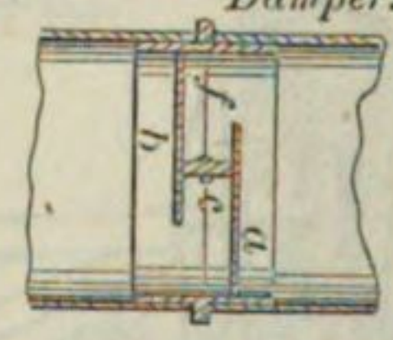
56972—S. Mellinger, Jr.—*Fruit Gatherer.*



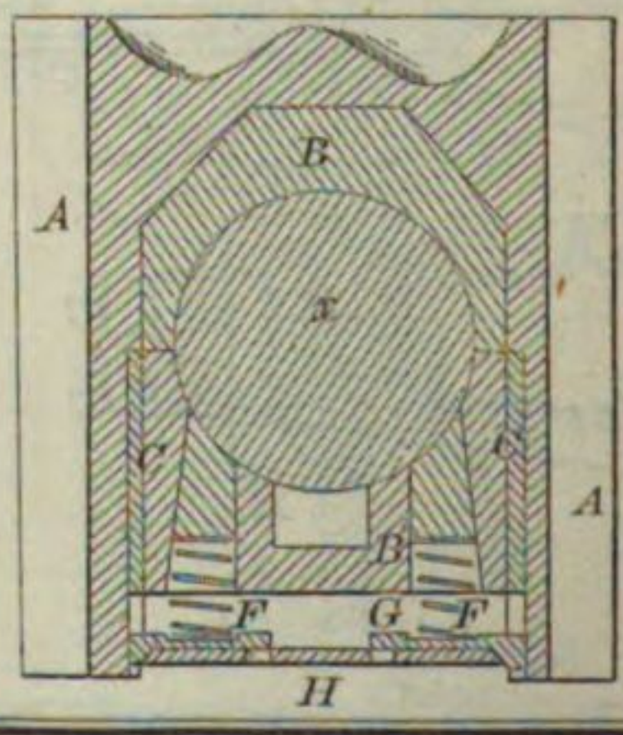
56974—R. S. Merrill—*Lamp.*



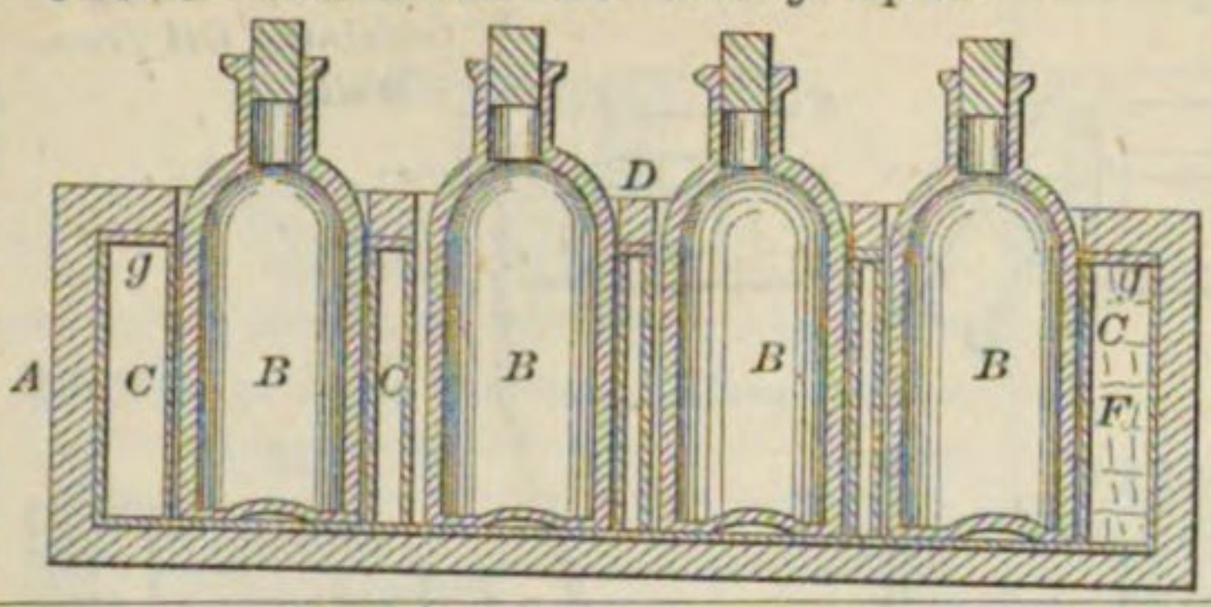
56975—B. F. Miller—*Stove Pipe Damper.*



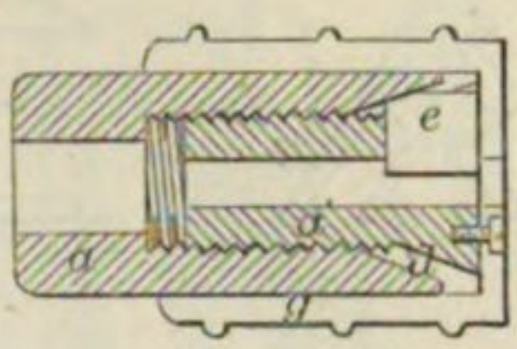
56977—M. V. Miller—*Axle Box.*



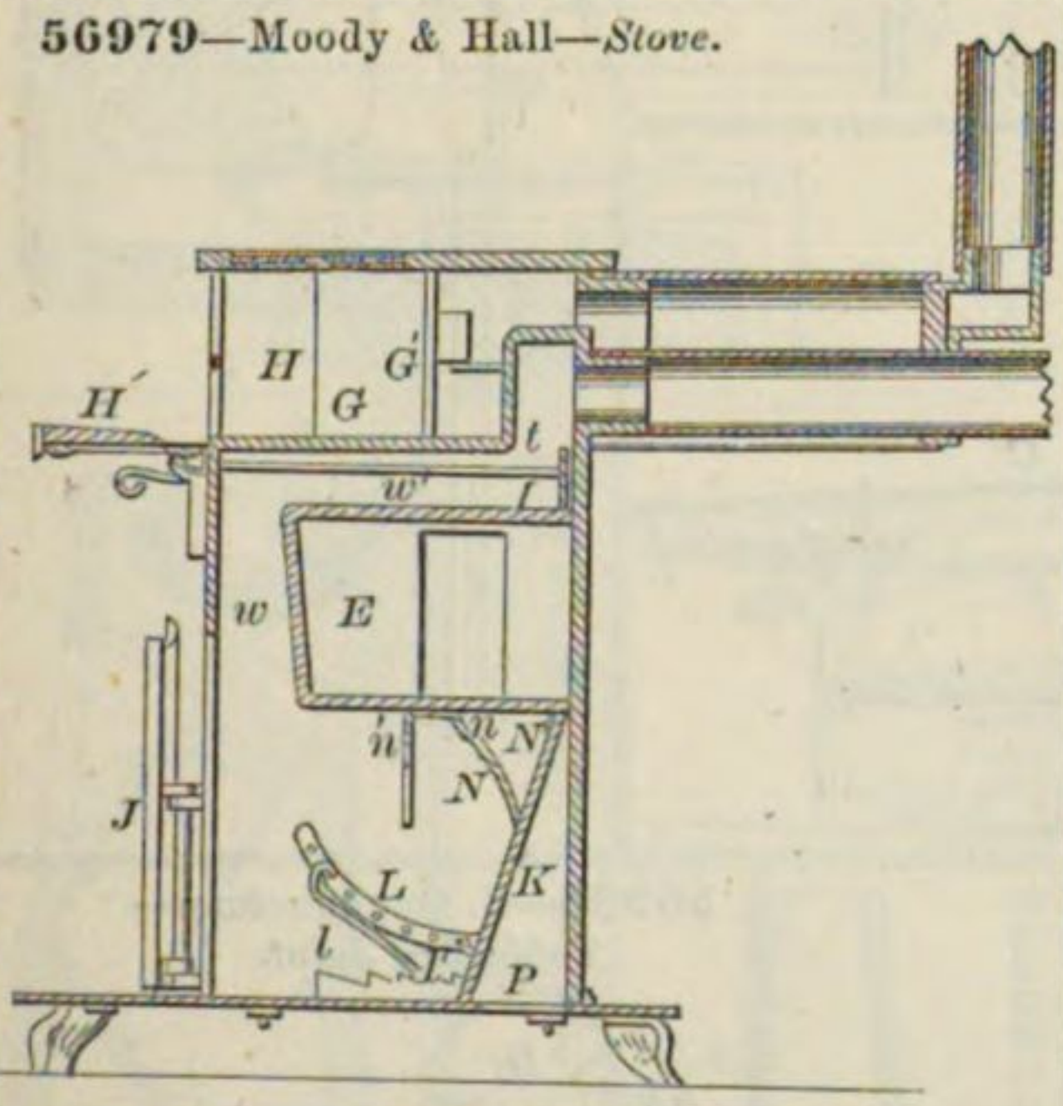
56978—T. H. Miller—*For Cooling Liquors.*



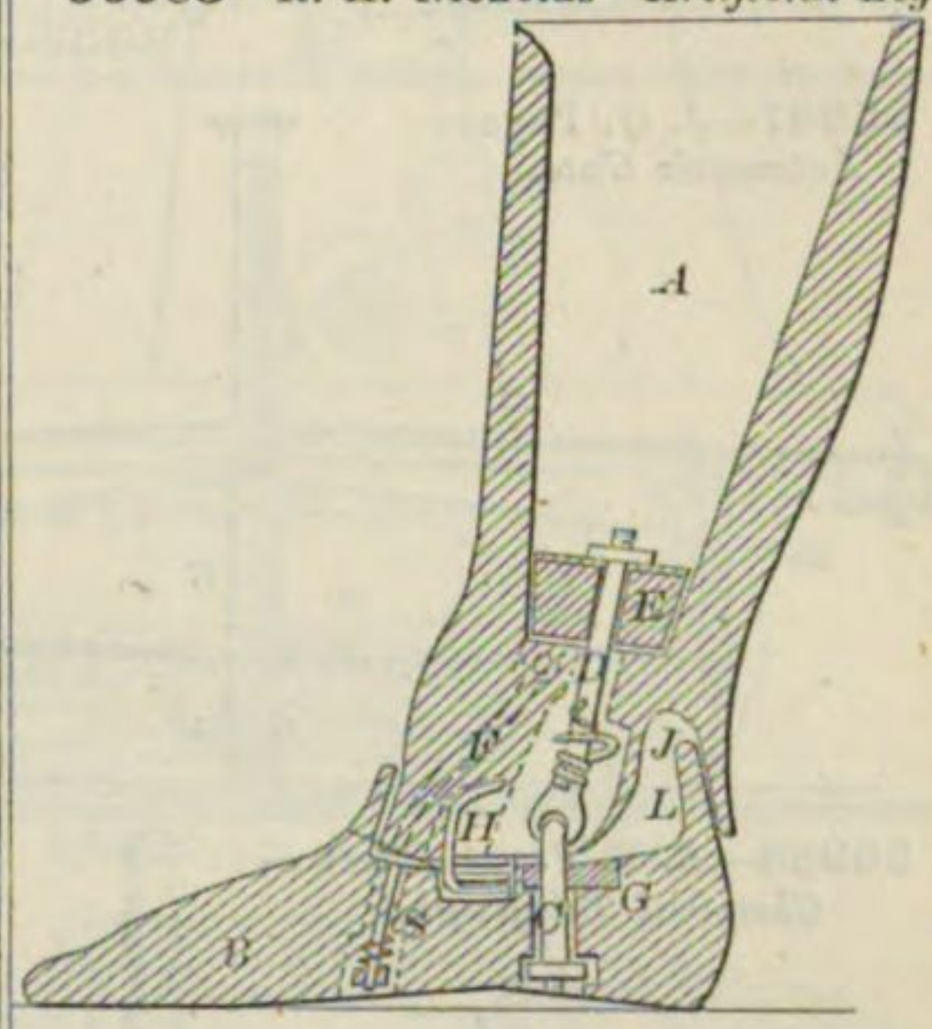
56981—R. W. Morse—*Chuck.*



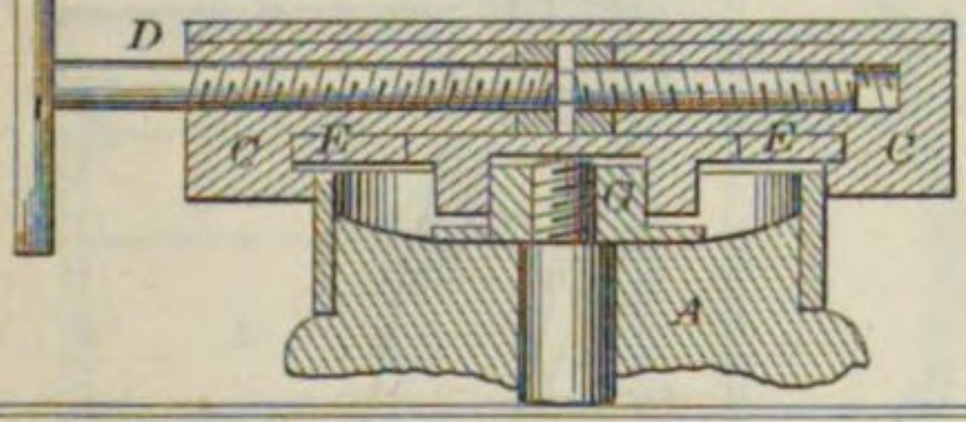
56979—Moody & Hall—*Stove.*



56983—R. H. Nicholas—*Artificial Leg.*



56980—C. N. Morgan—*Wrench.*



56982—G. R. Nebinger—*Fruit Dryer.*

Fig. 2

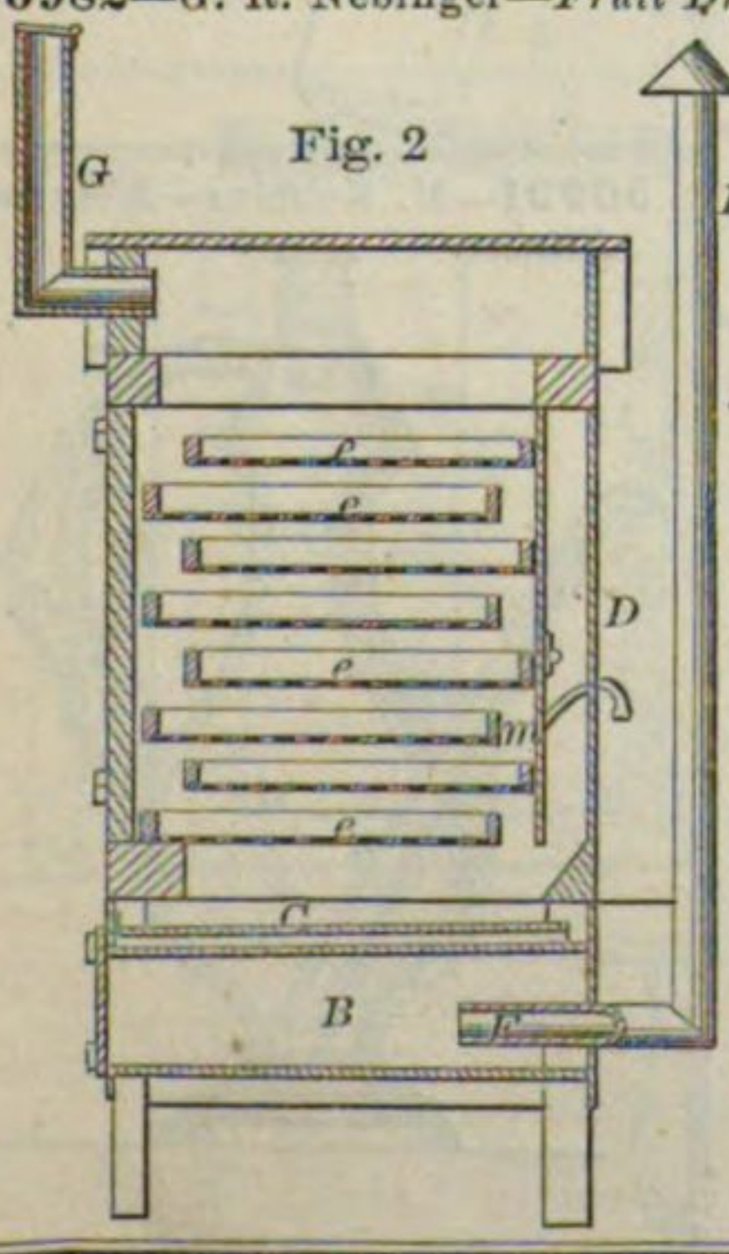
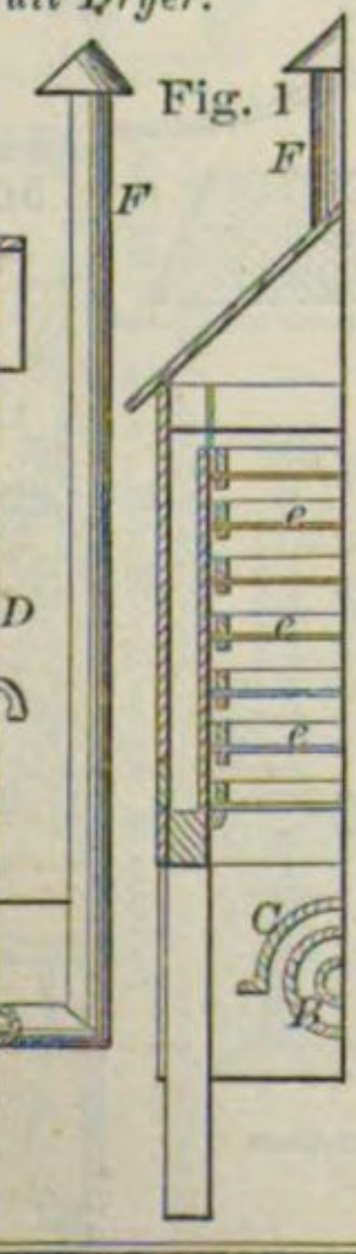
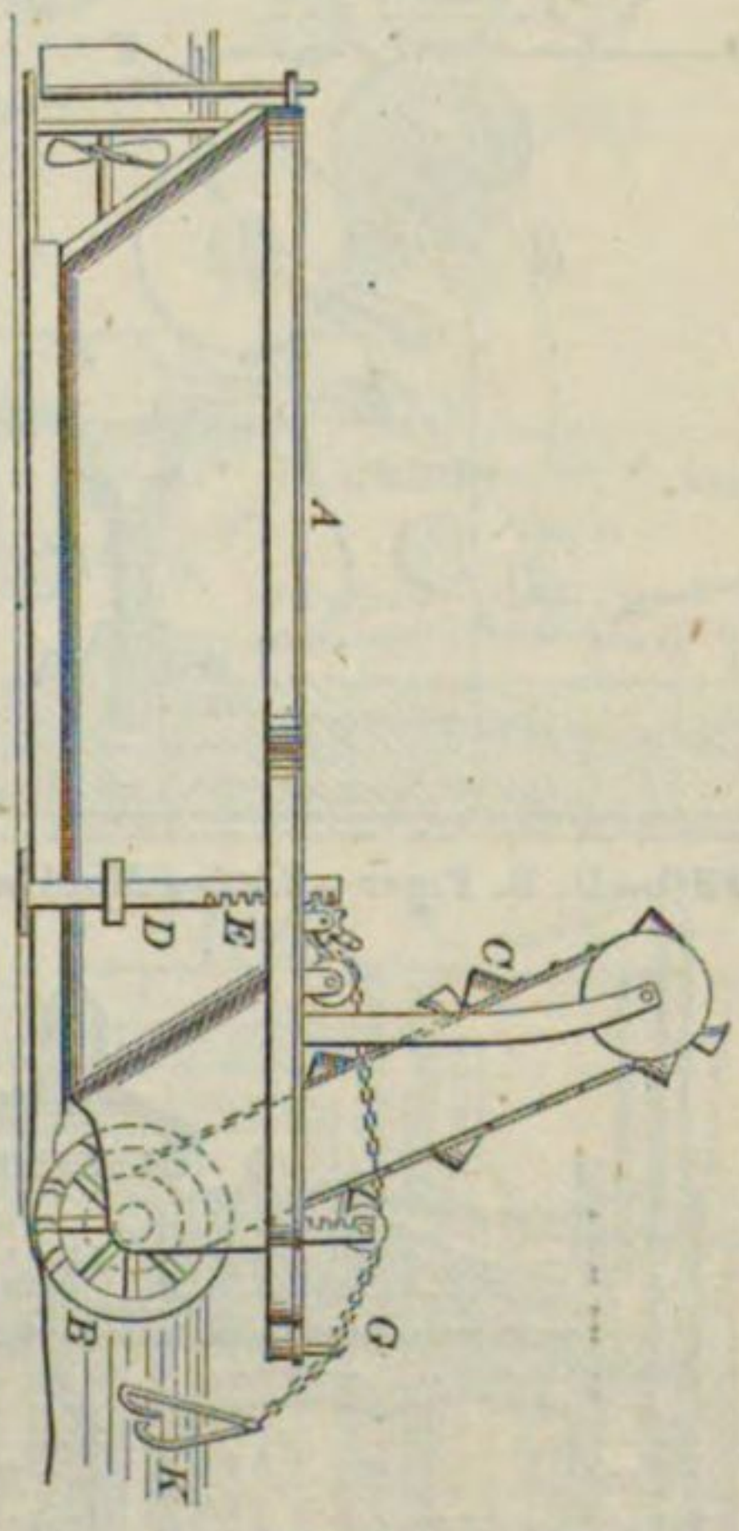
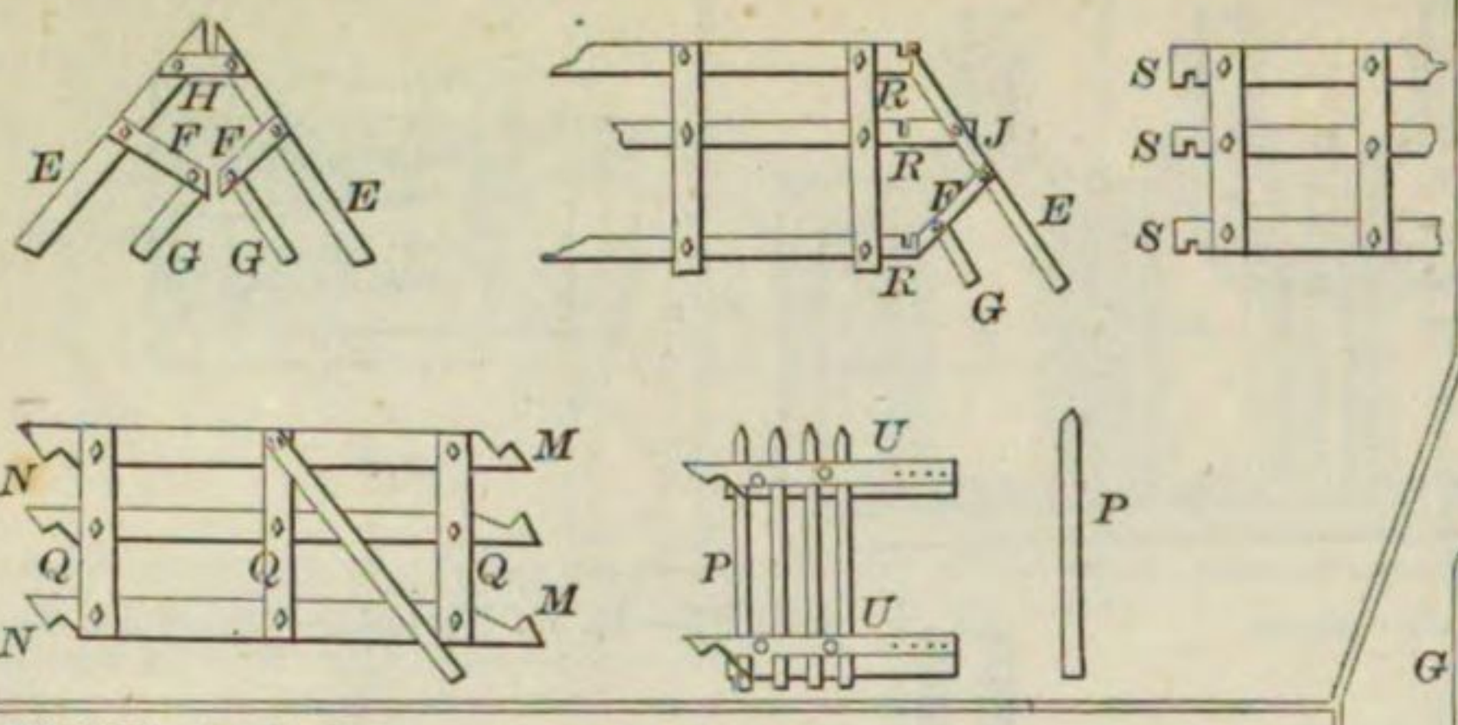


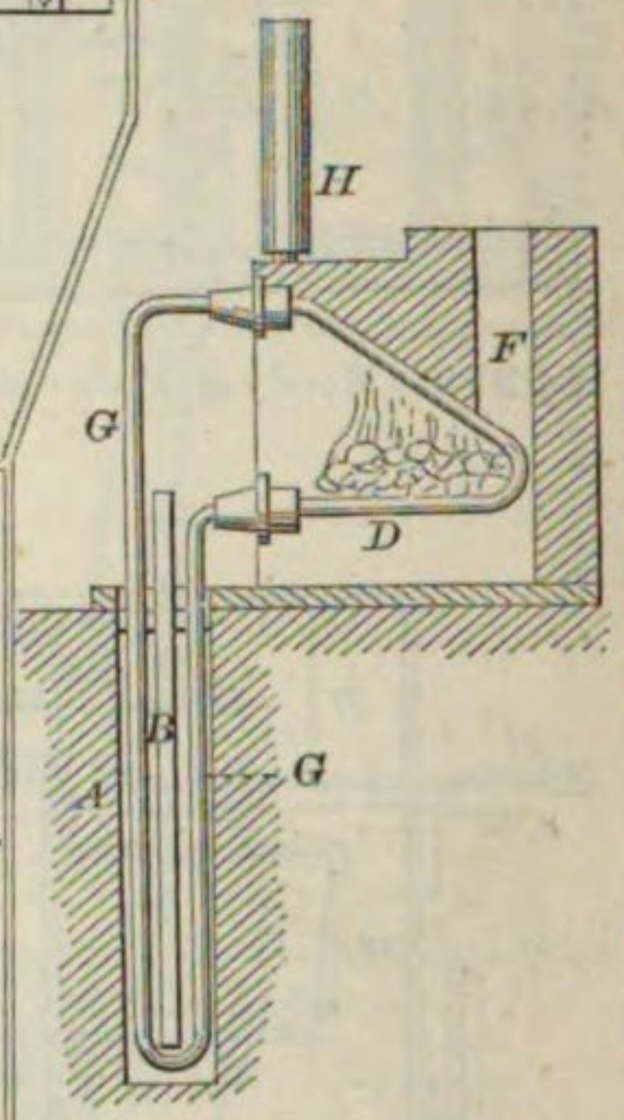
Fig. 1

56984—W. H. Nobles—*Dredging Machine.*



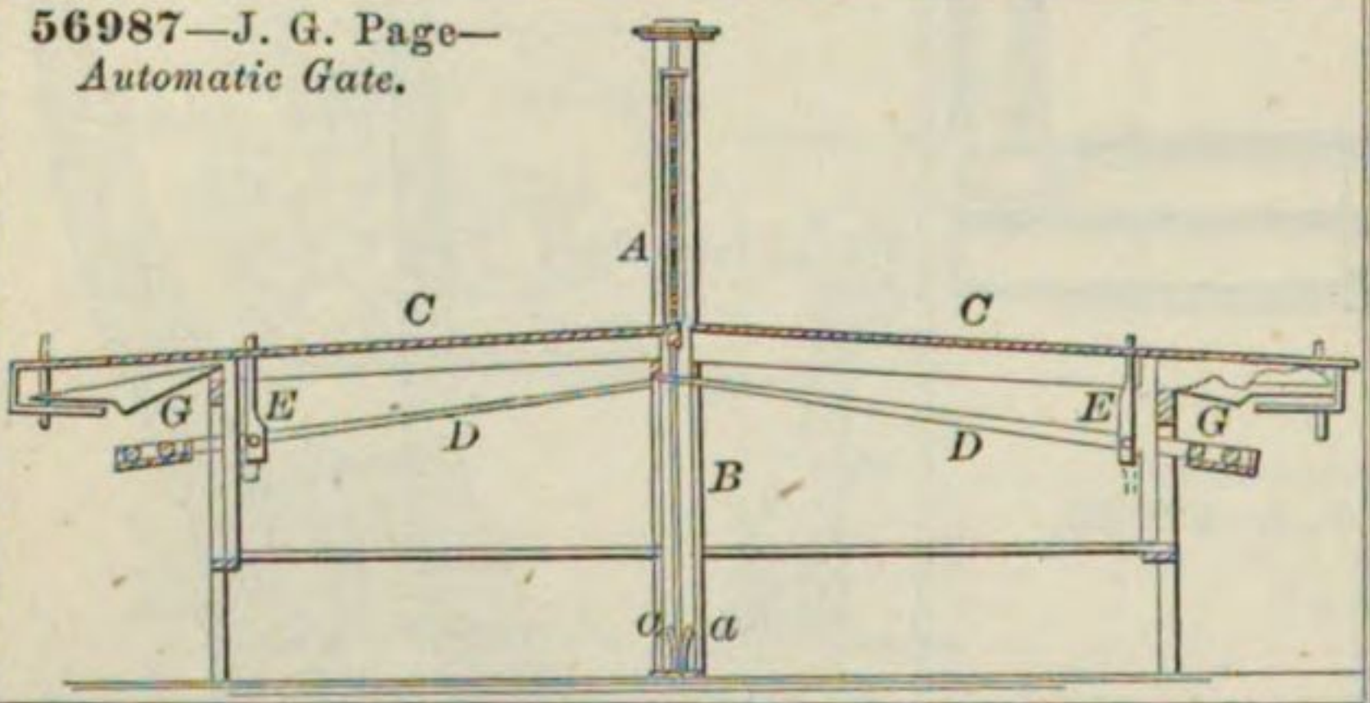
56985—E. Odell—*Fence.*



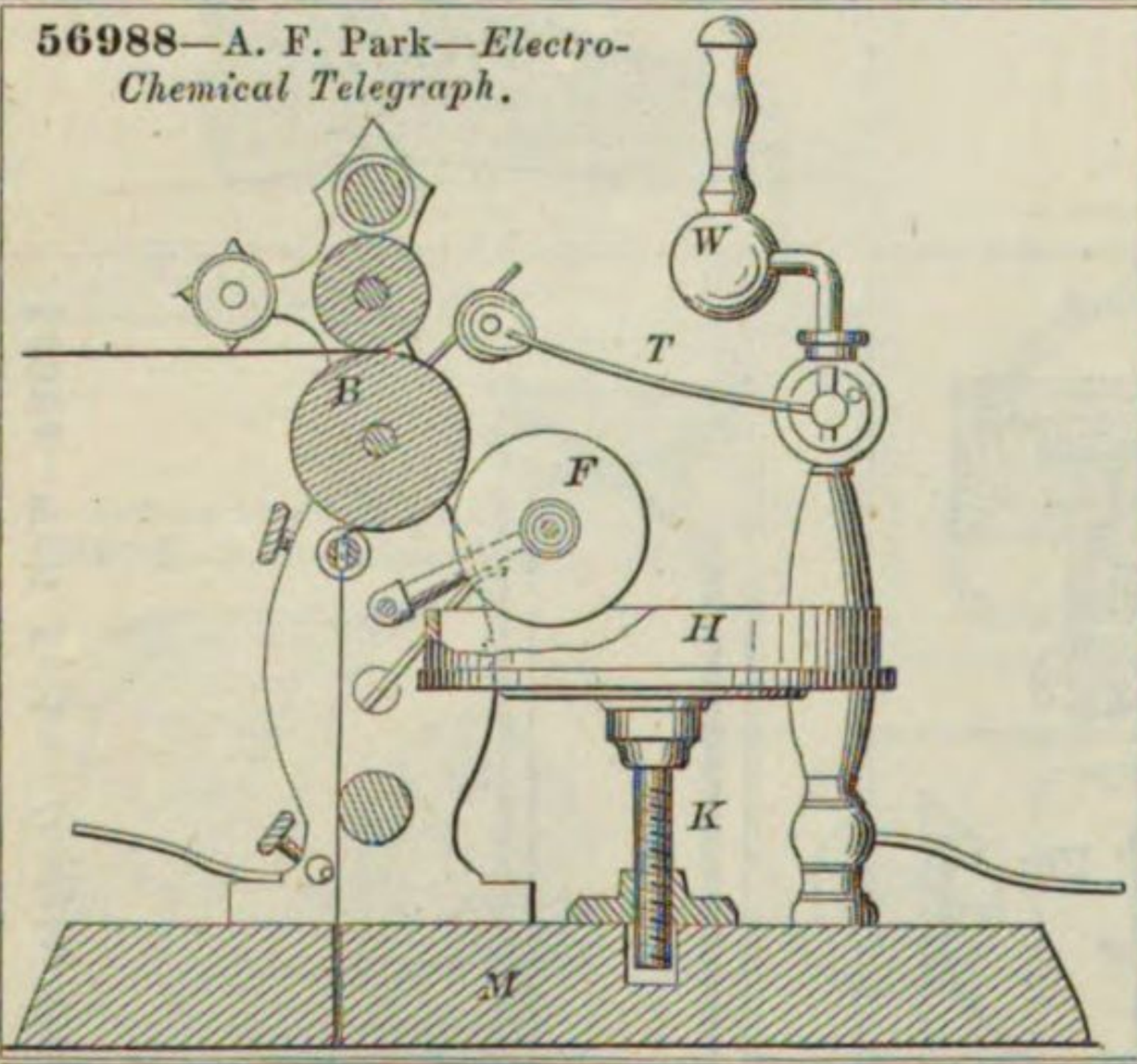
56989—L. Phleger—*Obtaining Oil from Wells.*



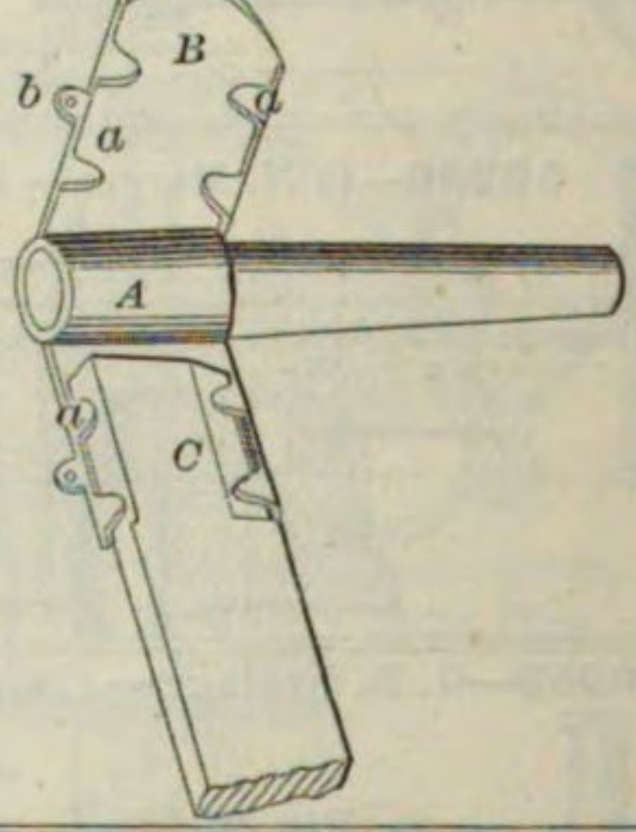
56987—J. G. Page—*Automatic Gate.*



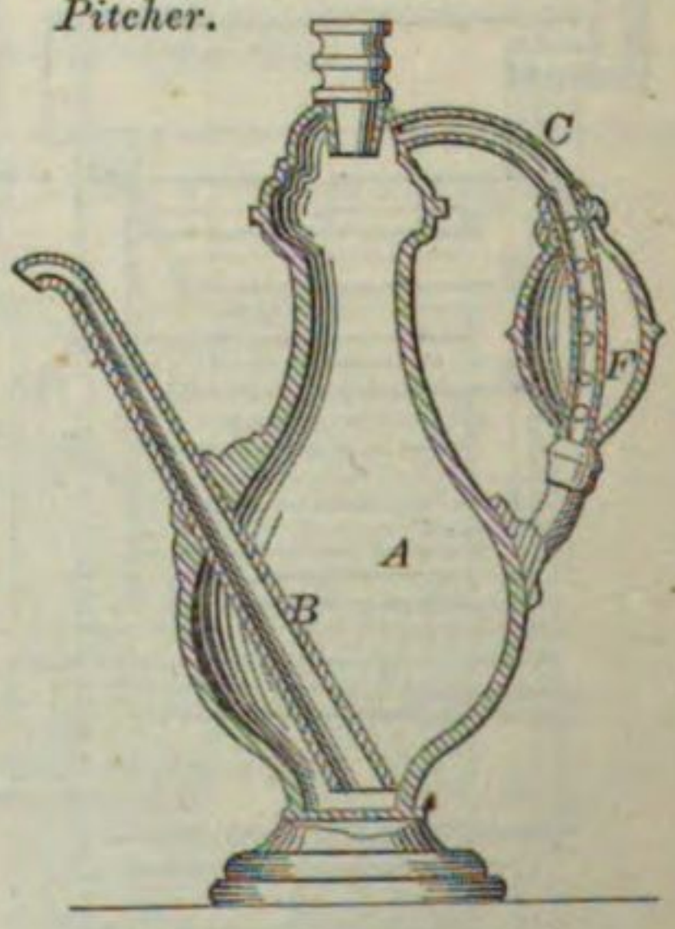
56988—A. F. Park—*Electro-Chemical Telegraph.*



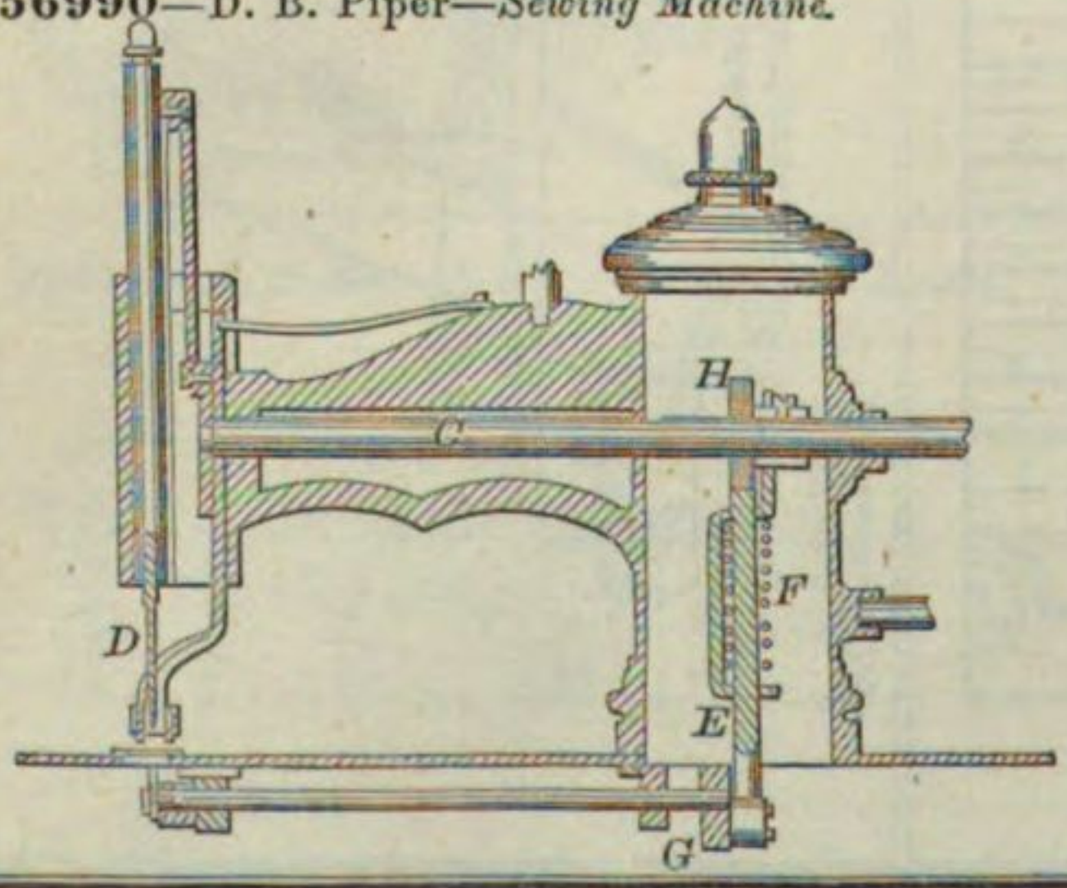
56986—S. Oppenheimer—*Table Leg Joint.*



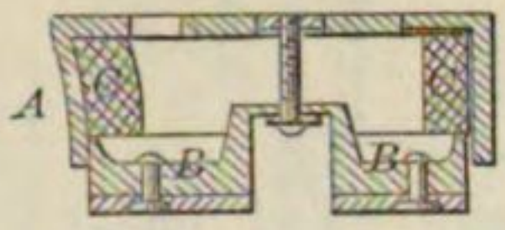
56991—M. Robbins—*Molasses Pitcher.*



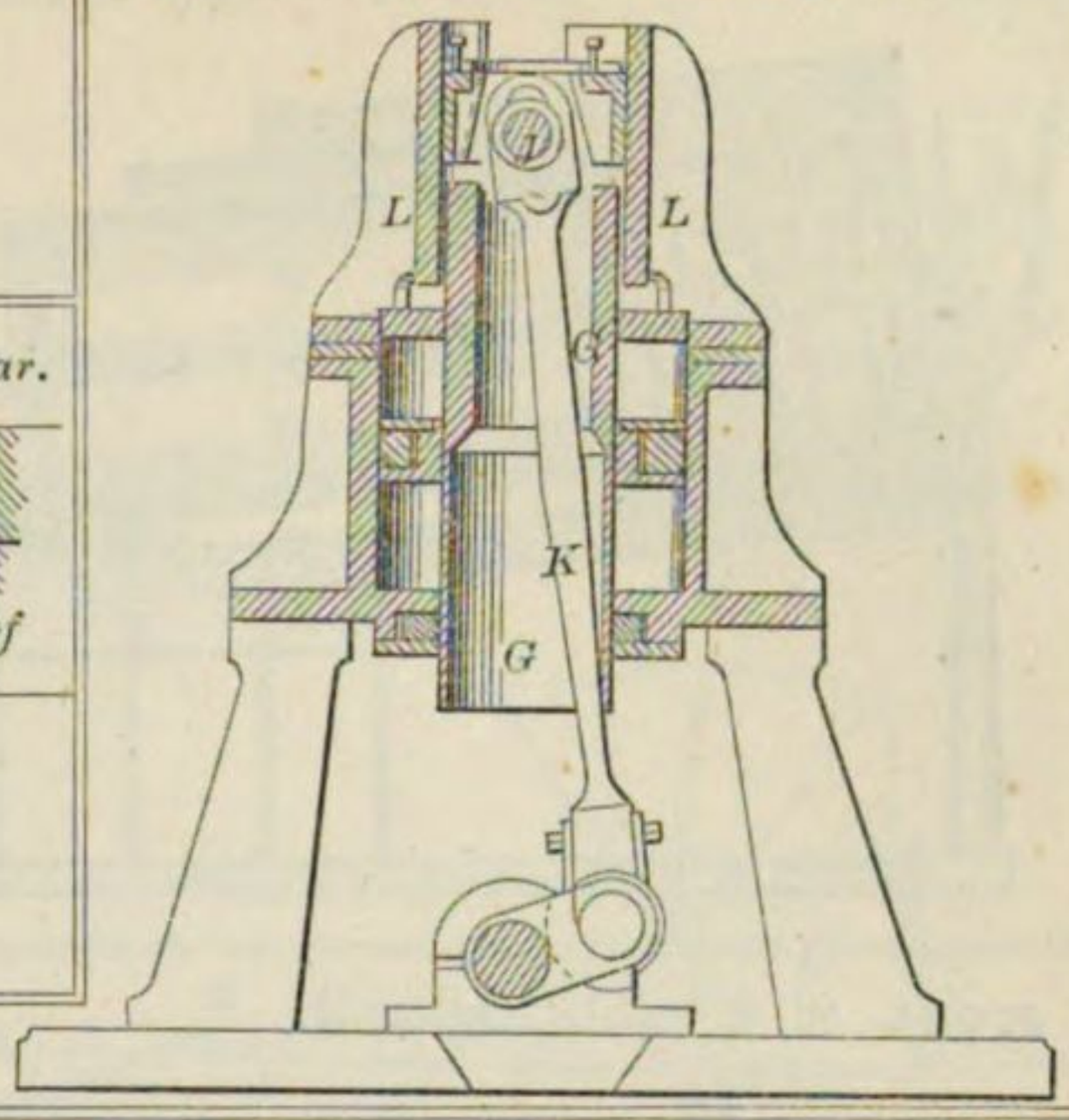
56990—D. B. Piper—*Sewing Machine.*



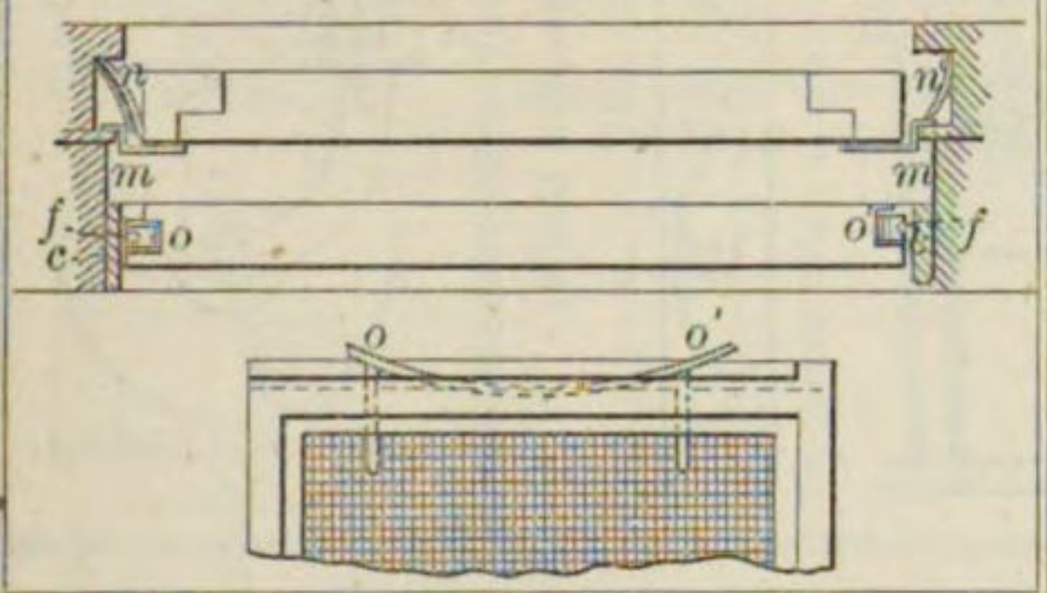
56992—Robinson & Marshall—*Boot Heel.*



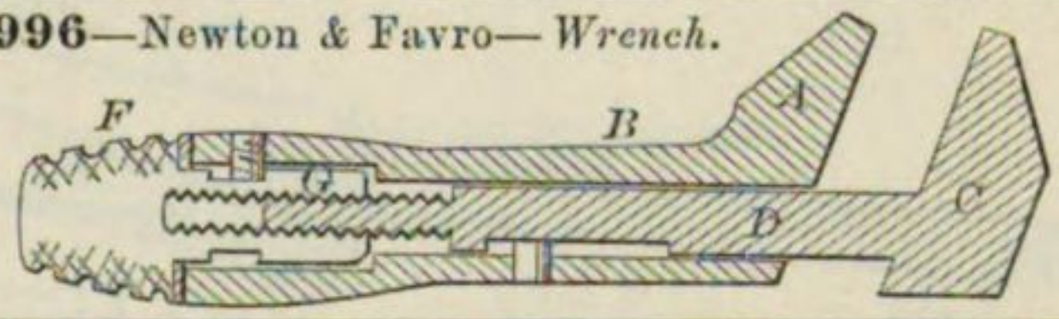
56993—J. B. Root—*Trunk Engine.*



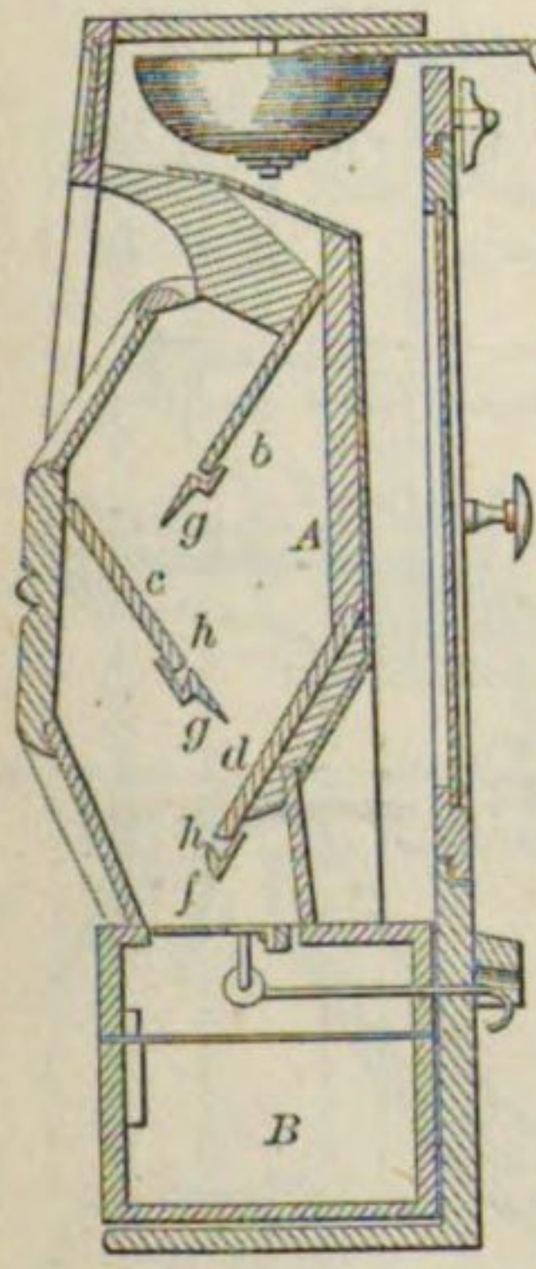
56994—E. A. G. Roulstone—*Mosquito Bar.*



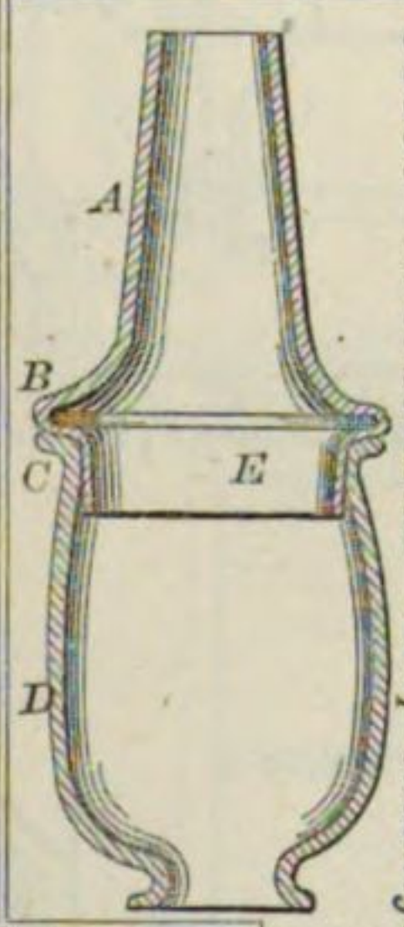
56996—Newton & Favro—*Wrench.*



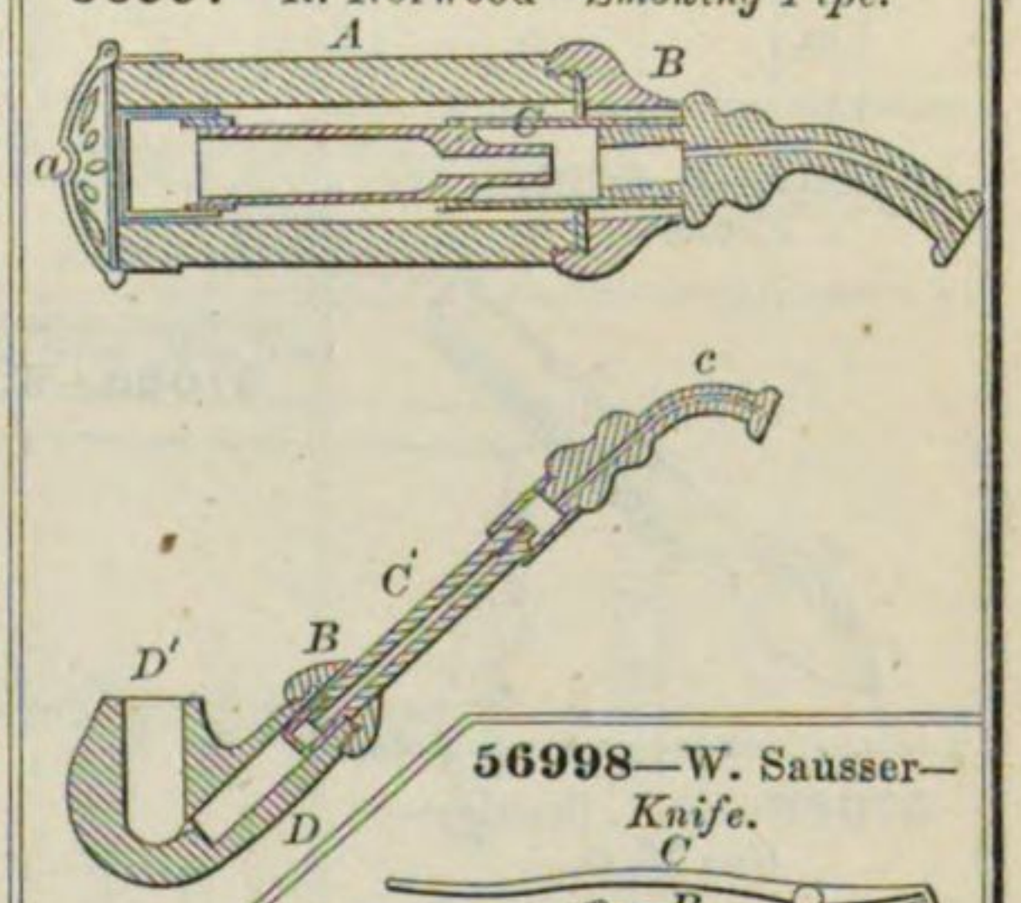
57000—J. B. Slawson—*Fare Box.*



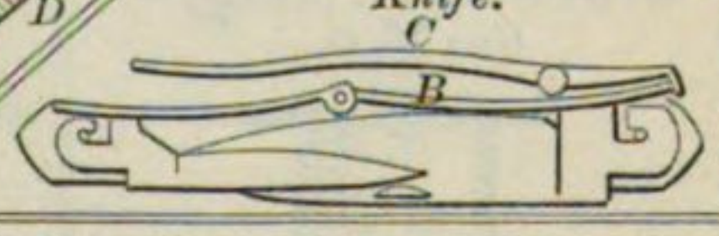
56999—E. O. Schartan—*Lamp Chimney.*



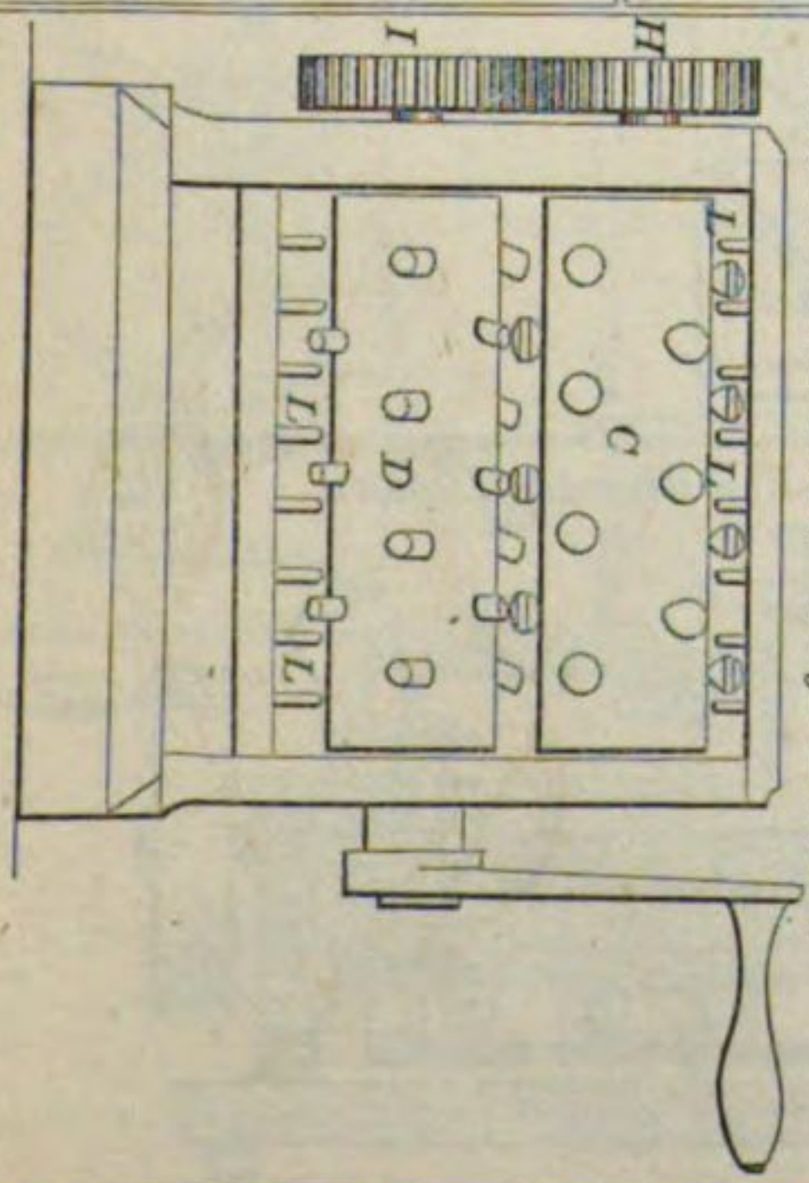
56997—R. Norwood—*Smoking Pipe.*



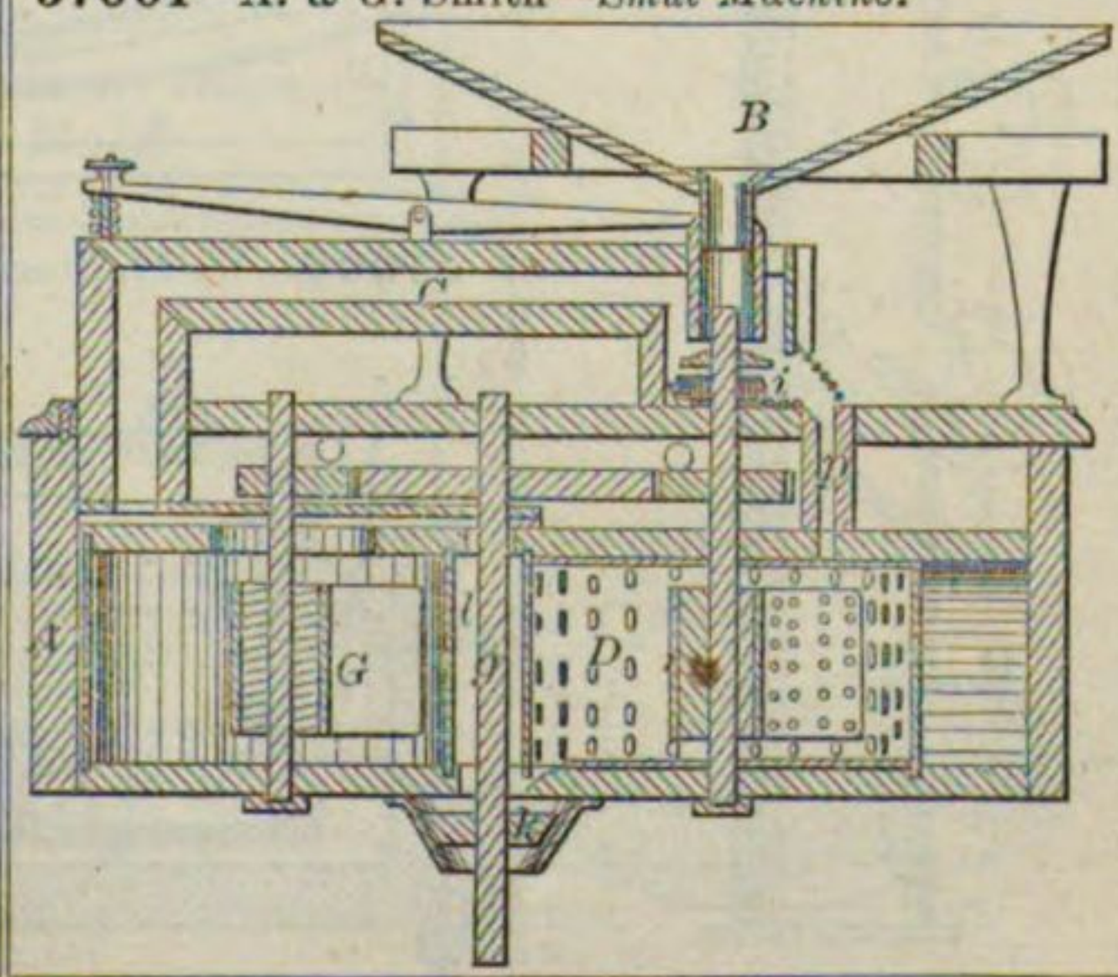
56998—W. Sausser—*Knife.*



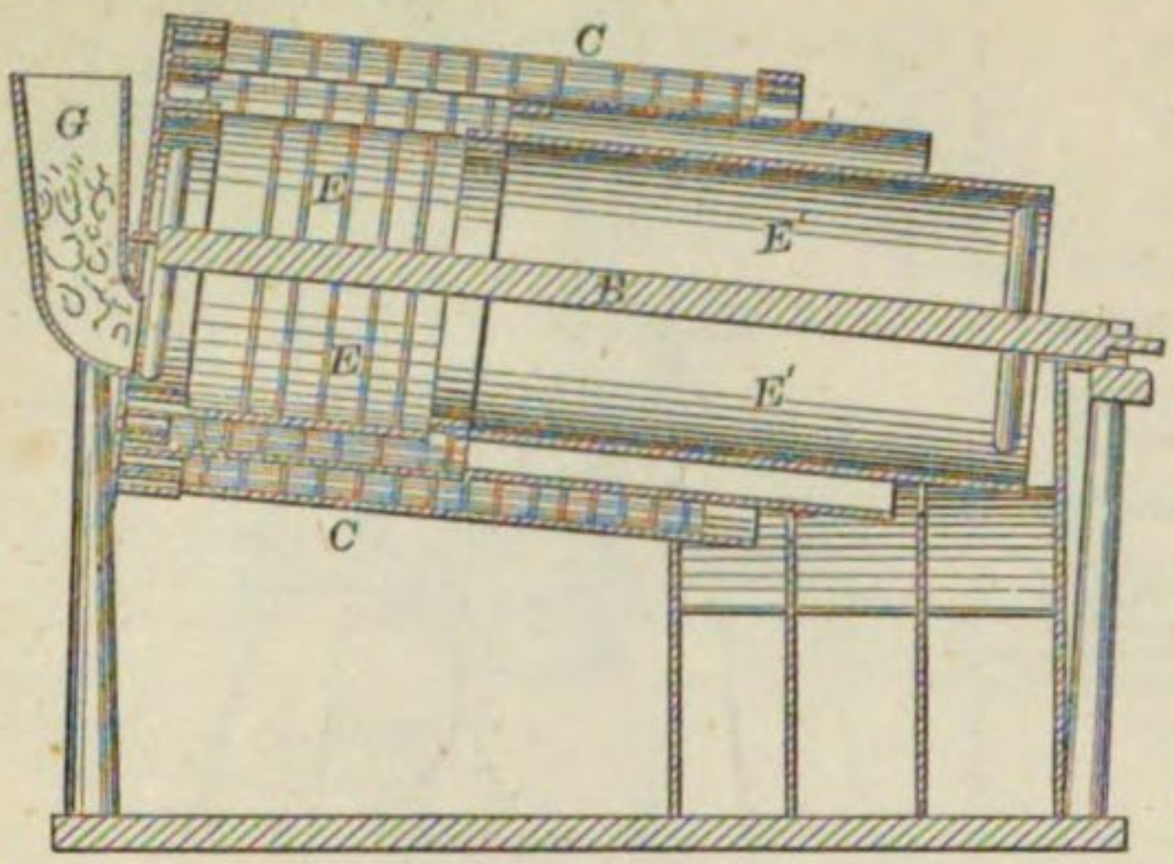
56995—A. P. Routt—*Dough Kneader.*



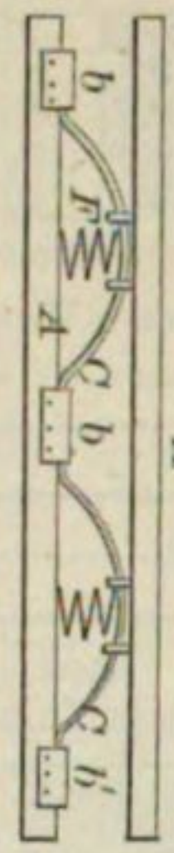
57001—A. & G. Smith—*Smut Machine.*



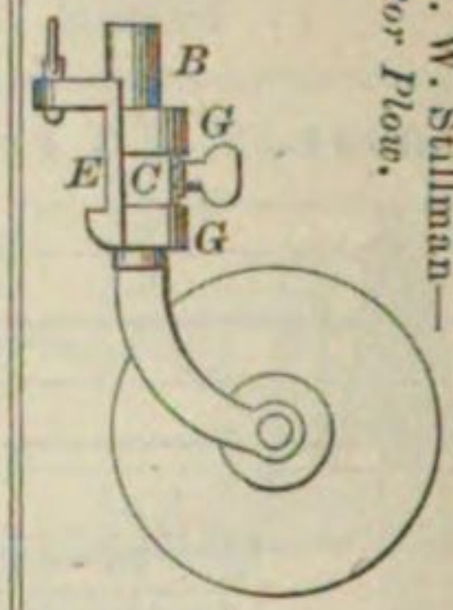
57002—J. B. Smith—*Coal Screen.*



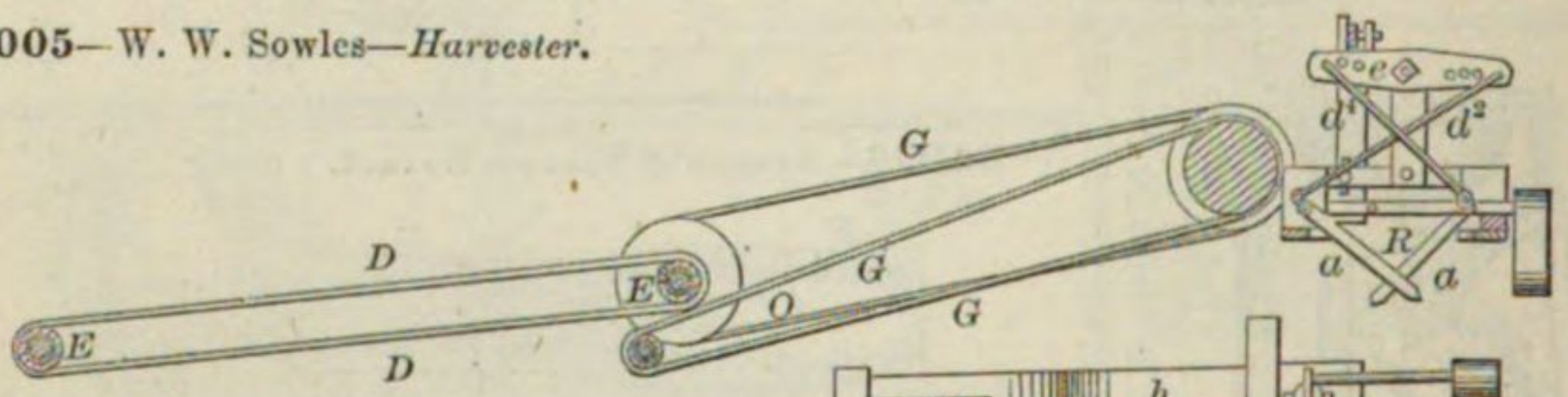
57003—J. G. Smith—*Bed Bottom.*



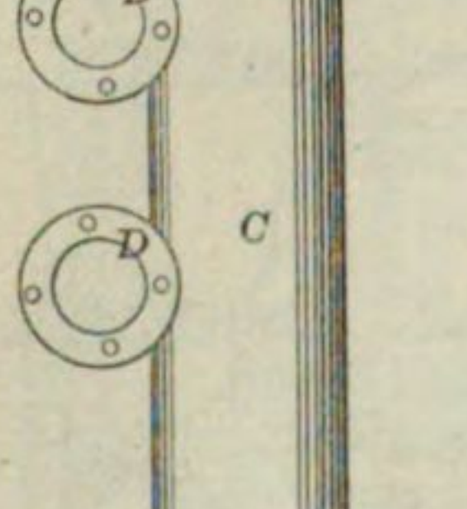
57007—W. W. Stillman—*Cultivator Plow.*



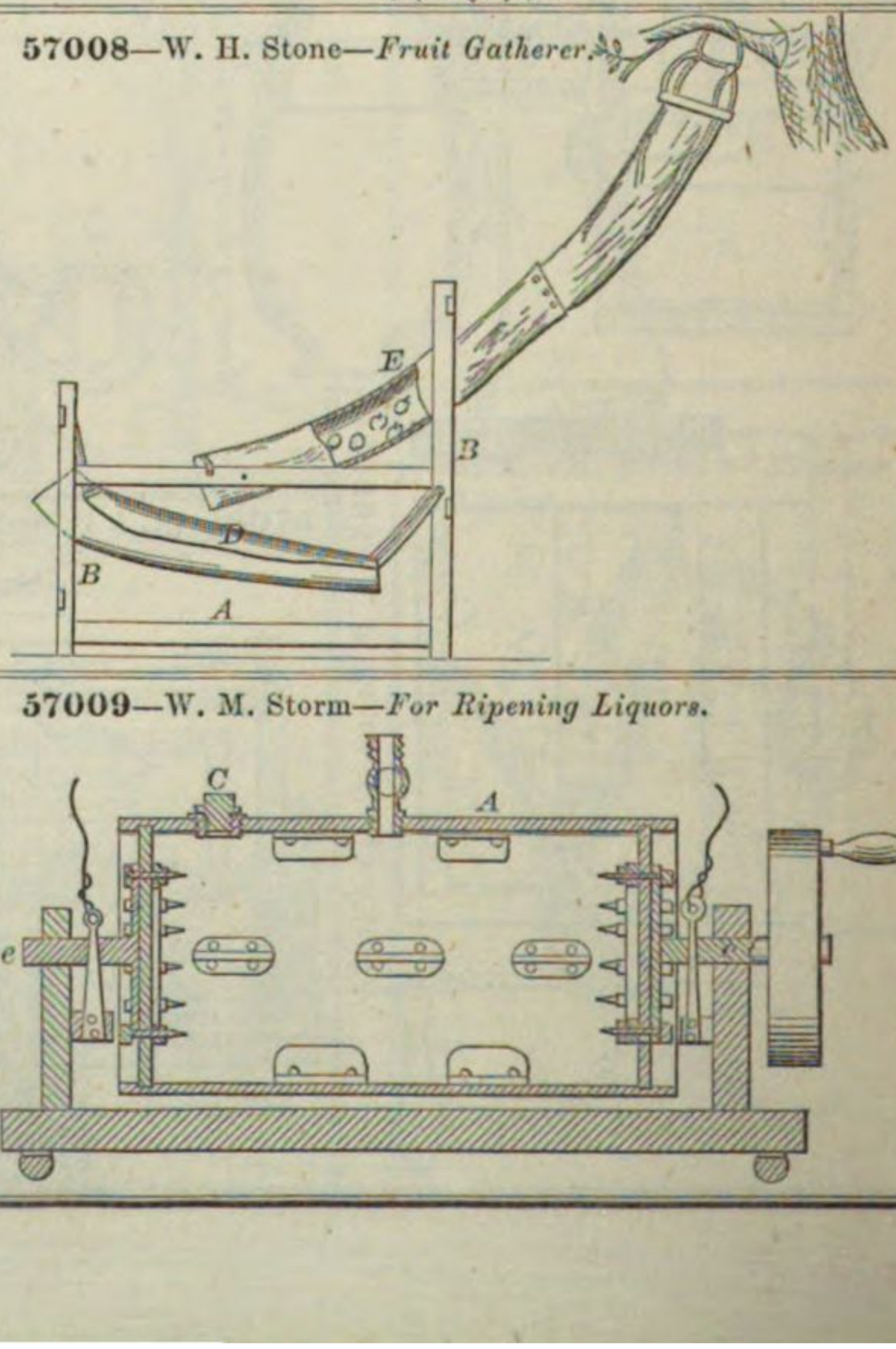
57005—W. W. Sowles—*Harvester.*



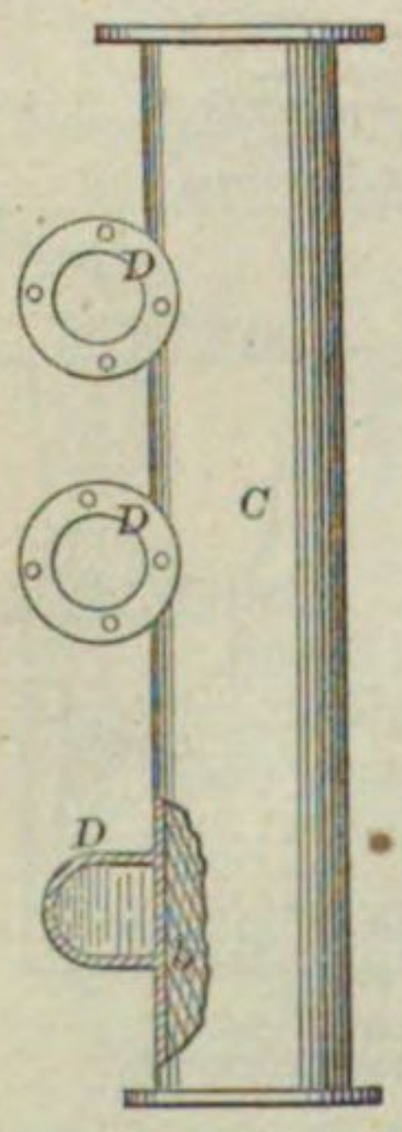
57004—R. Smith—*Eraser.*



57008—W. H. Stone—*Fruit Gatherer.*

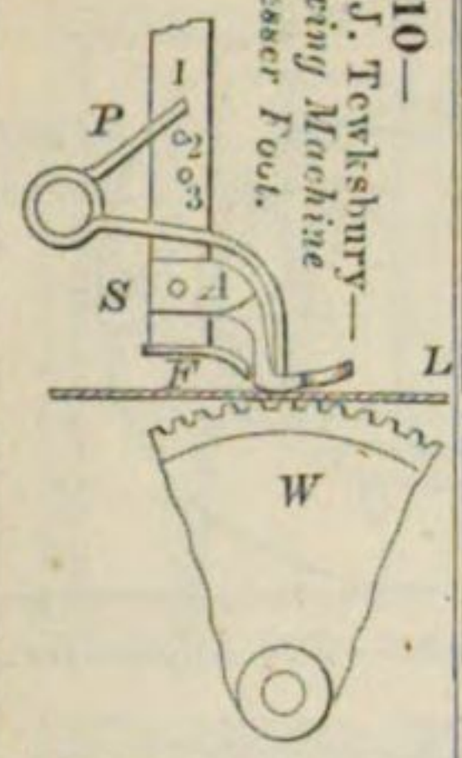


57006—J. N. Stanley—*Gas Main.*

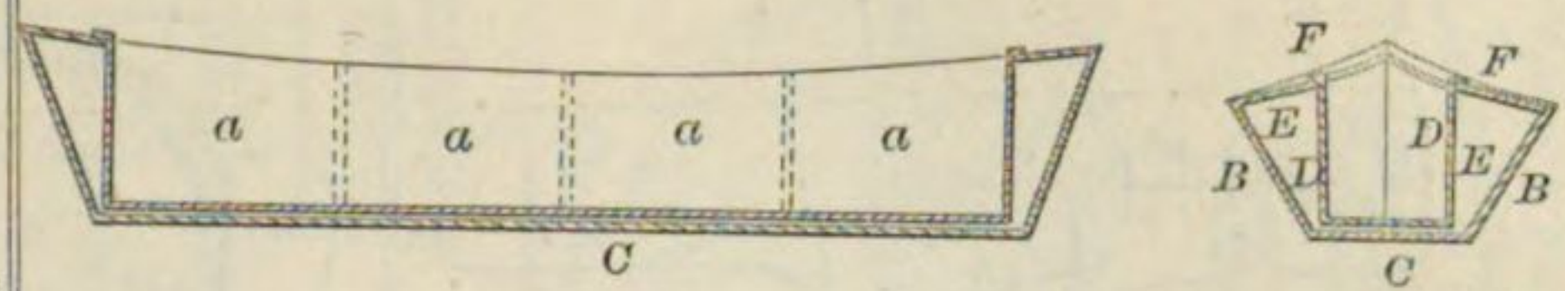


57009—W. M. Storm—*For Ripening Liquors.*

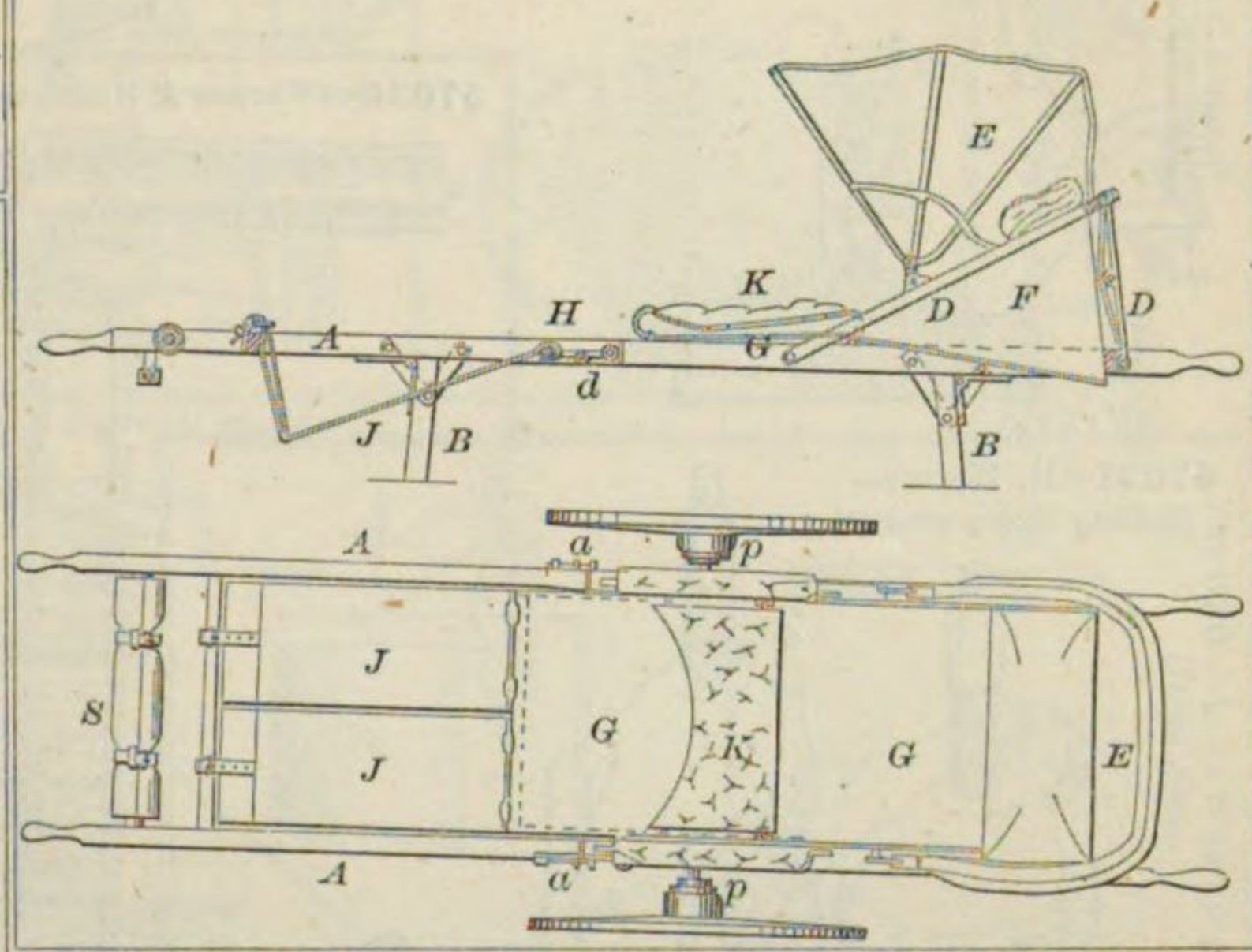
57010—A. J. Tewksbury—*Sewing Machine Presser Foot.*



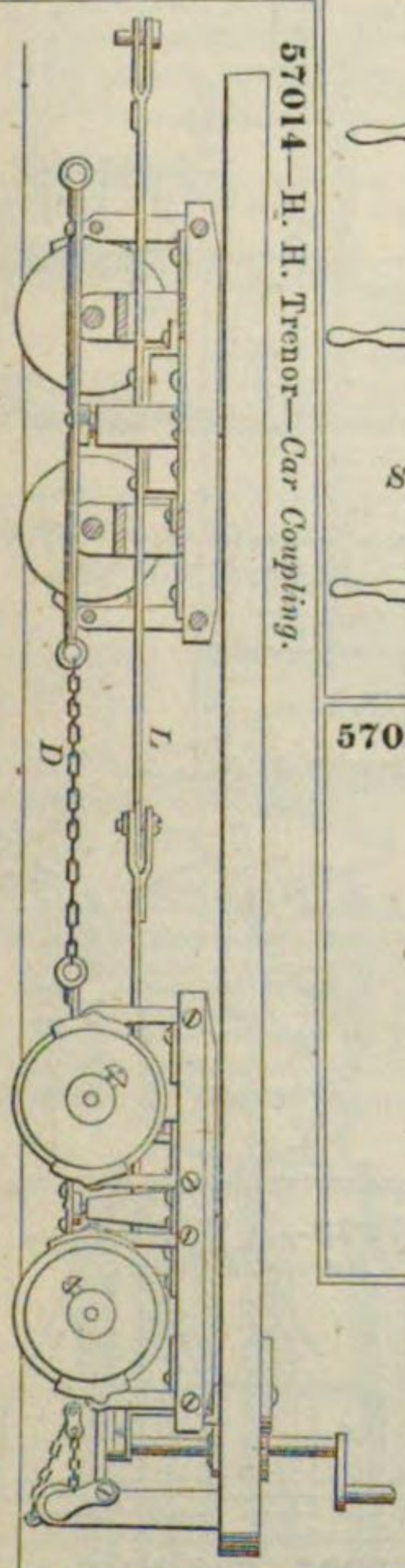
57012—G. H. Tier—*Life Boat.*



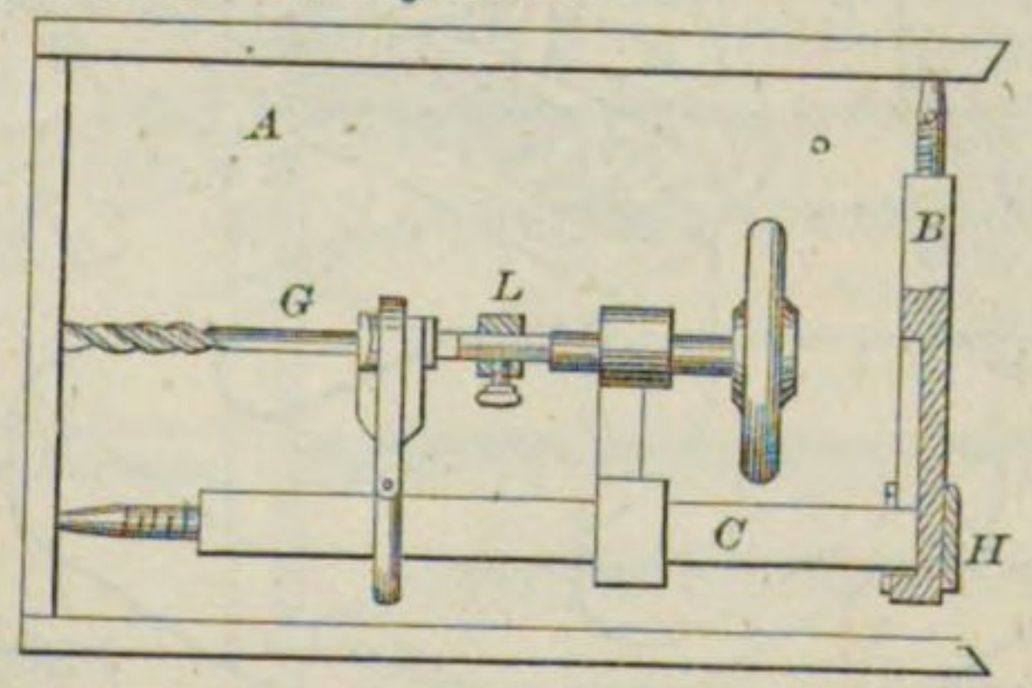
57013—C. H. Tompkins—*Stretcher.*



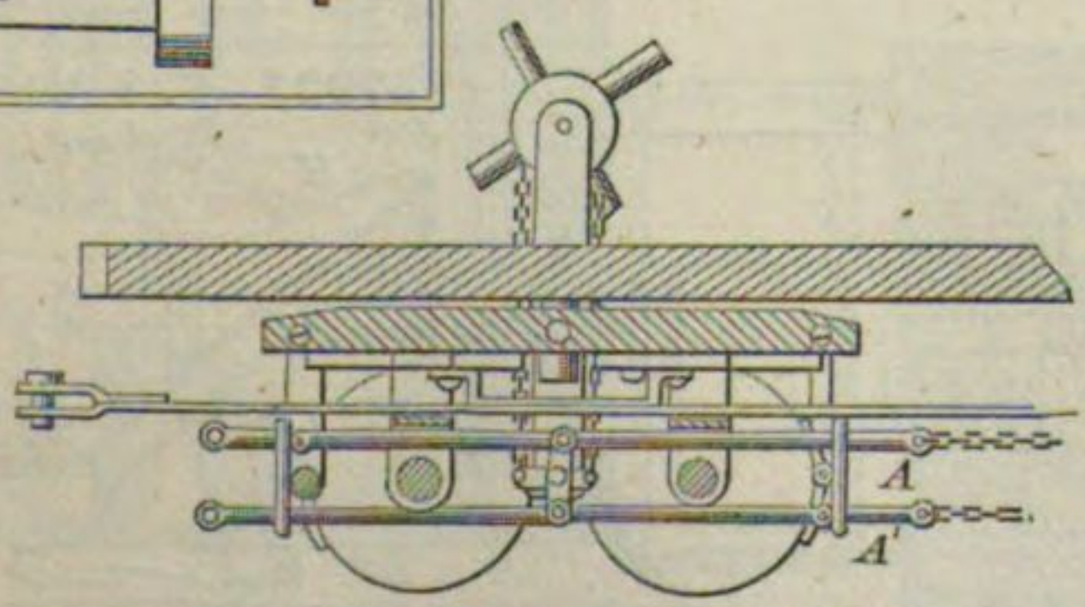
57014—H. H. Trenor—*Car Coupling.*



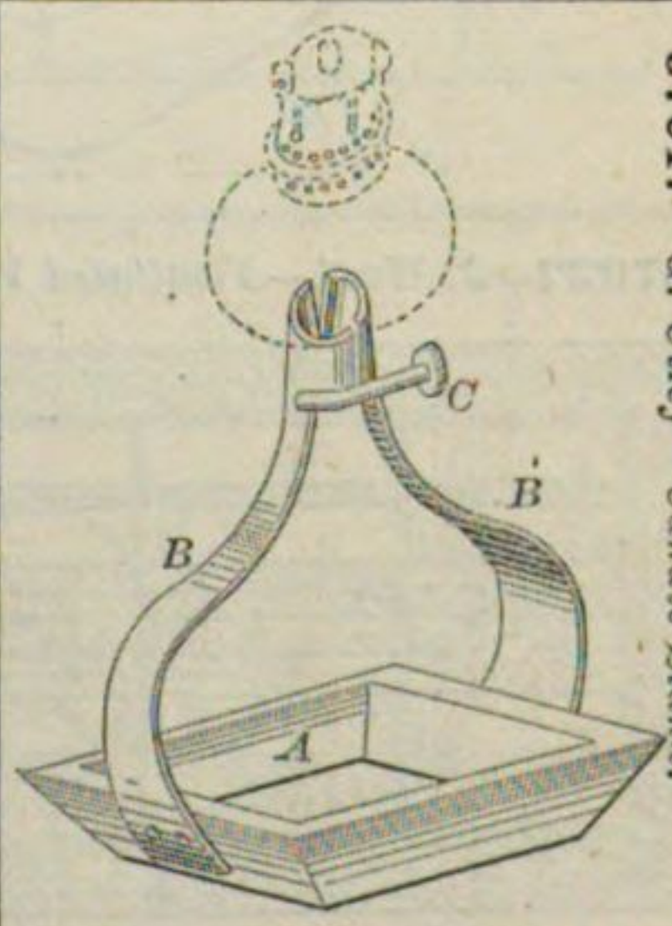
57011—R. A. Thomas—*Drilling Machine.*



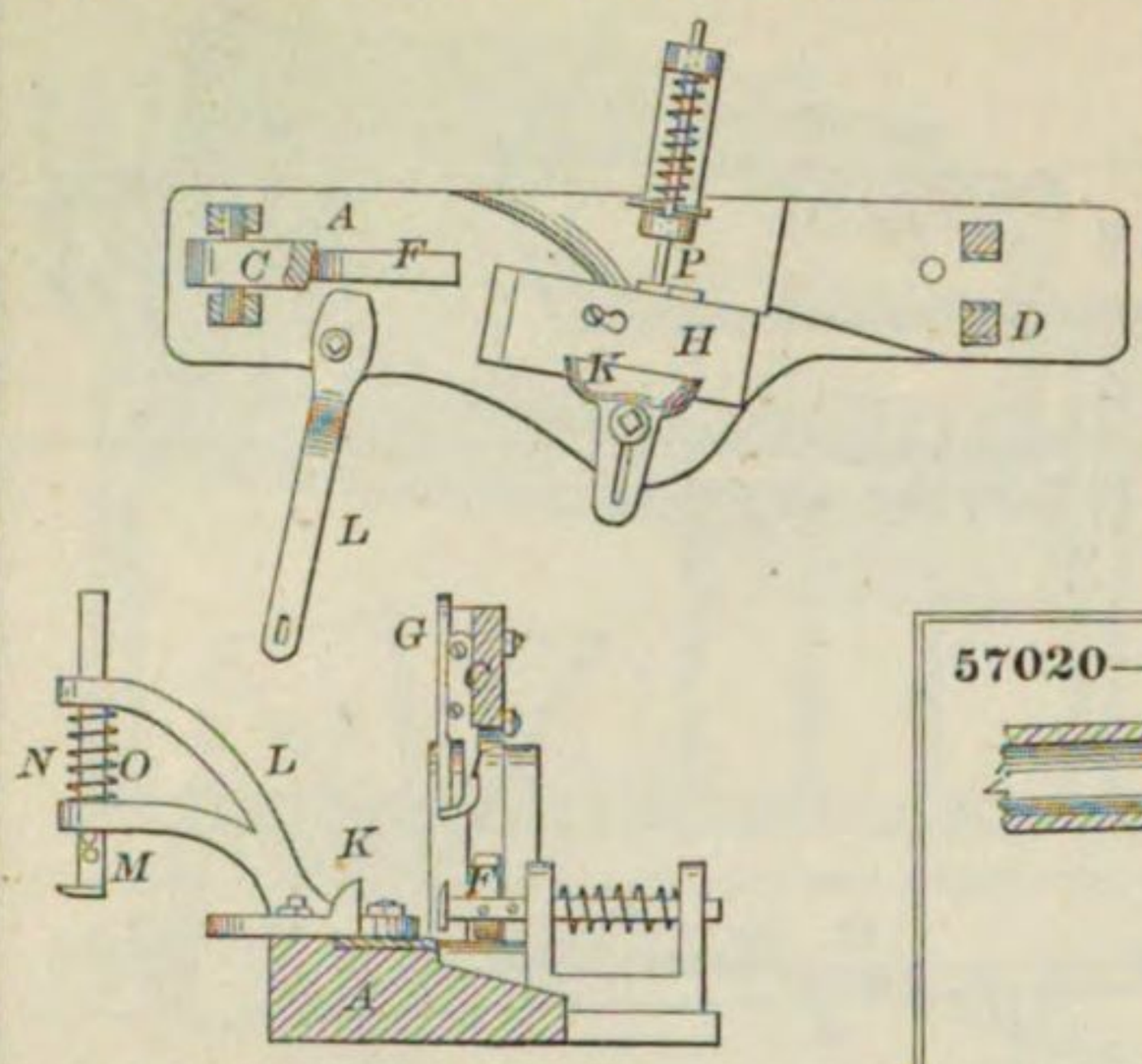
57015—H. H. Trenor—*Car Brake.*



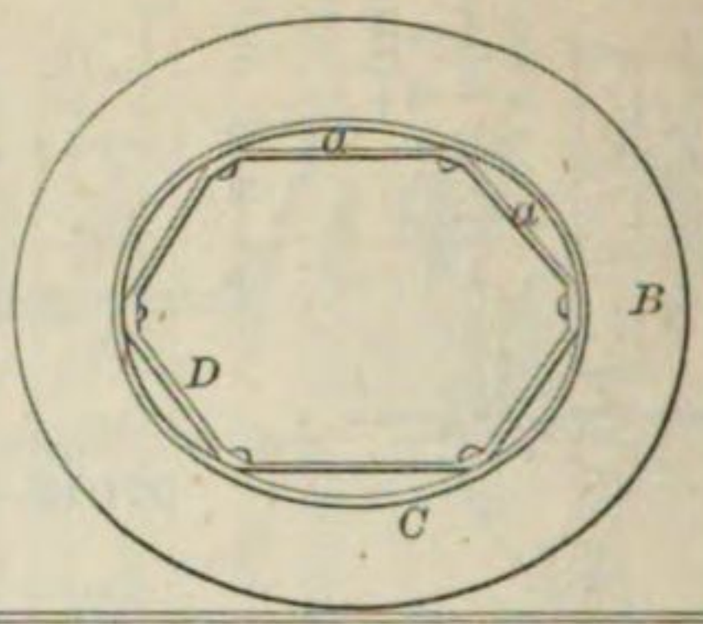
57017—G. Utley—*Candle Stand.*



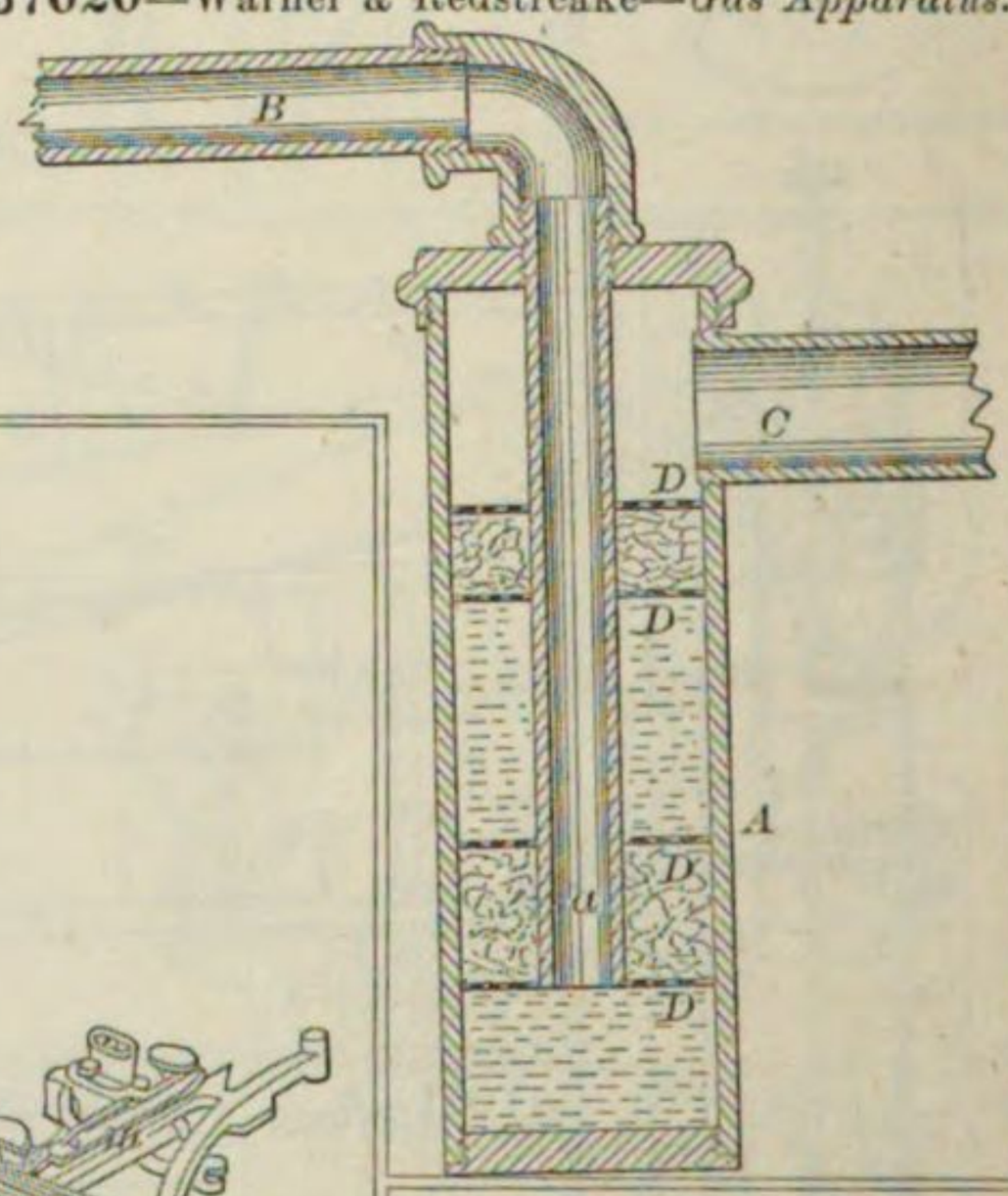
57018—O. Vanorman—*For Tenoning Spokes.*



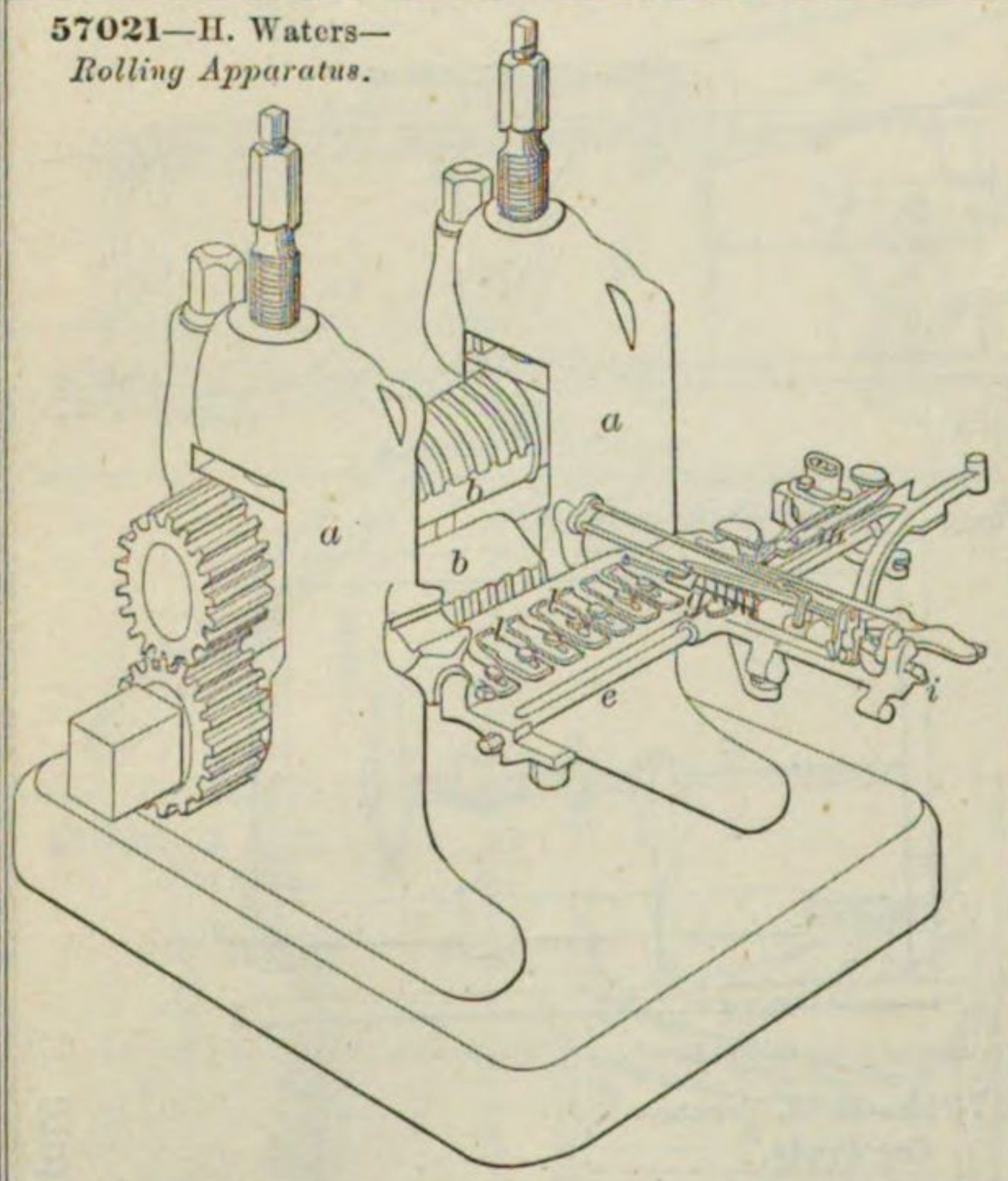
57019—W. F. Warburton—*Hat.*



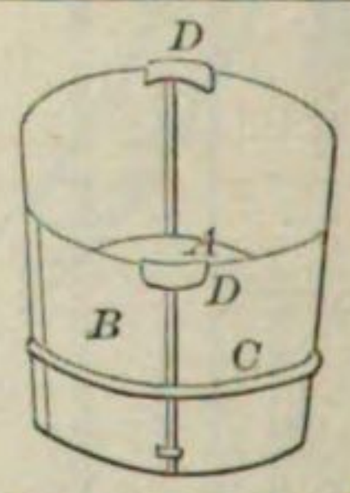
57020—Warner & Redstreake—*Gas Apparatus.*



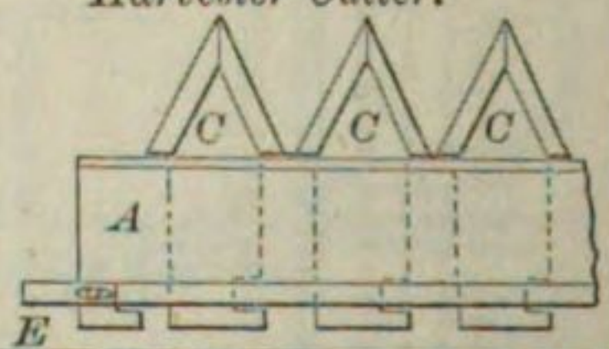
57021—H. Waters—
Rolling Apparatus.



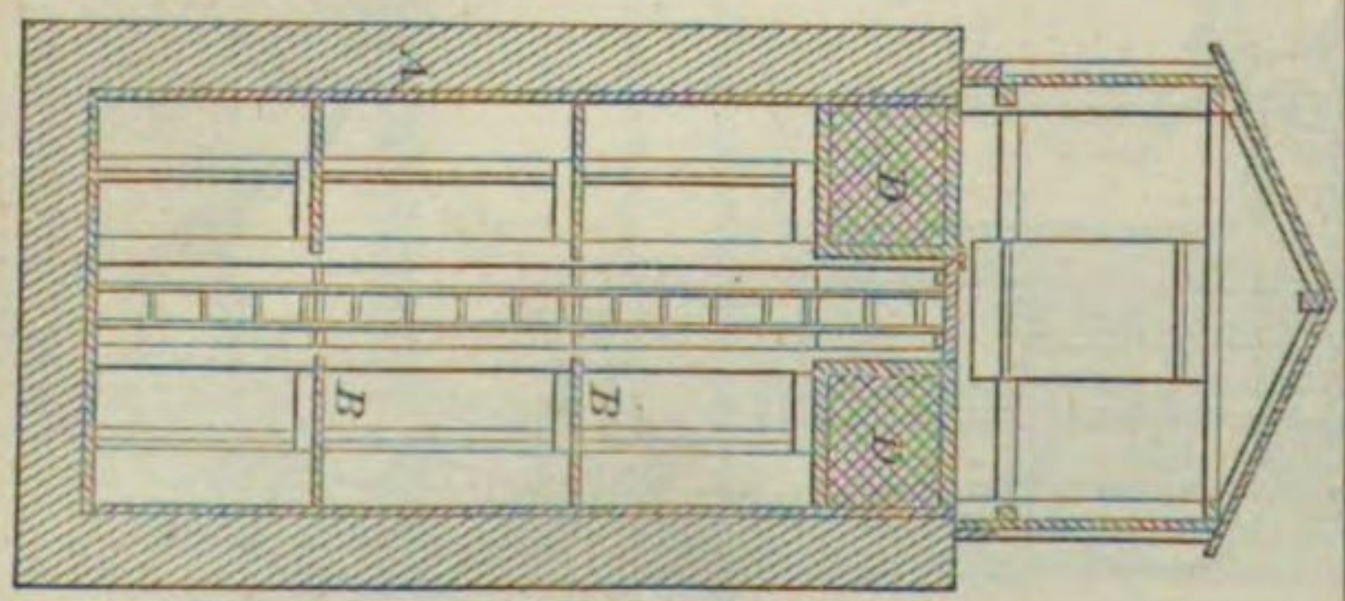
57024—Wheat & Bunge—
Fruit Basket.



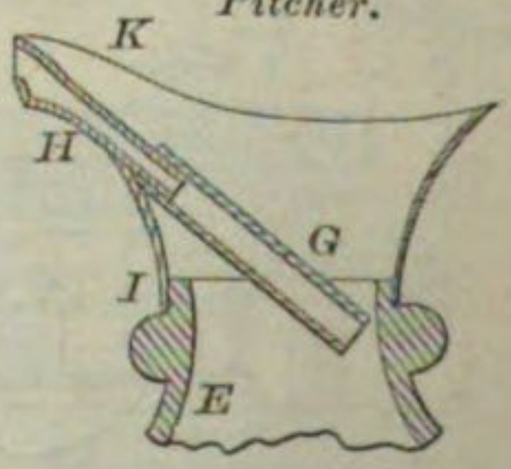
57023—J. M. Wehrly—
Harvester Cutter.



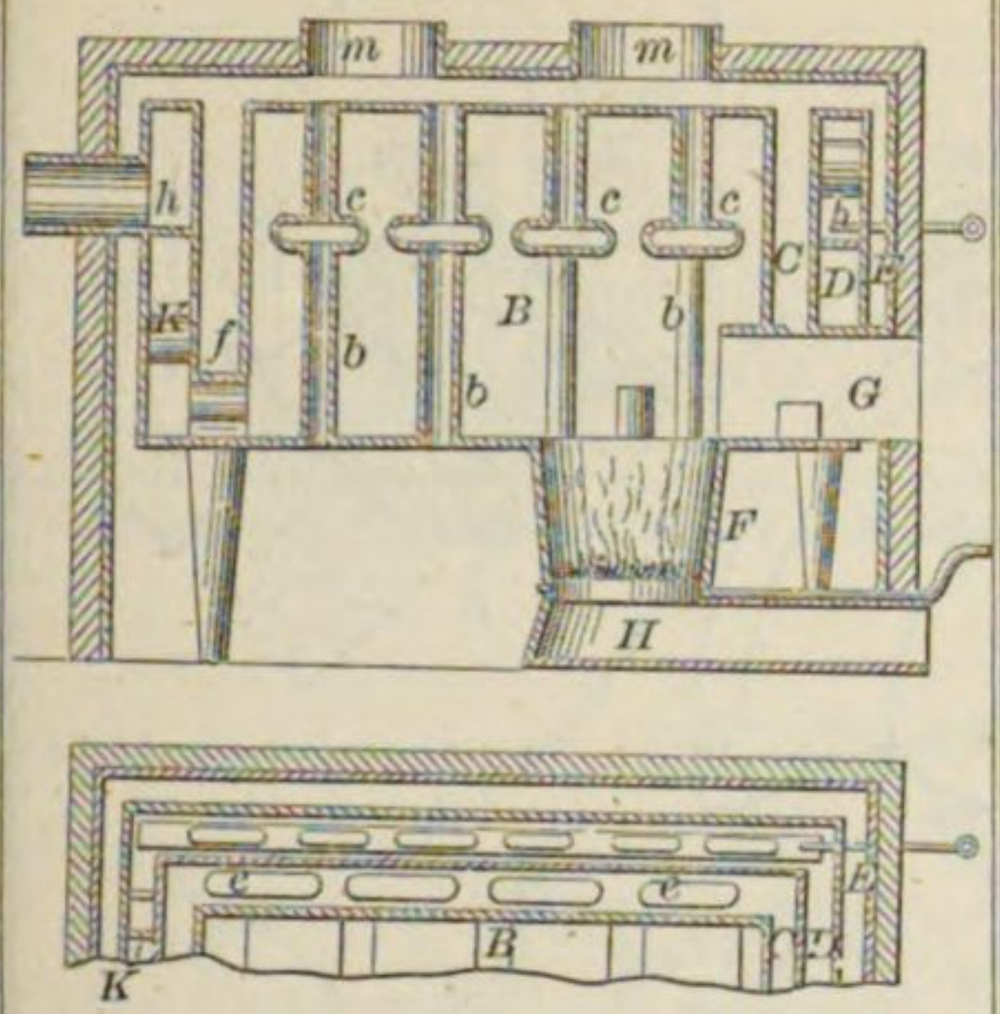
57022—J. Weed—*Ventilated Vault.*



57025—N. T. Whiting—
Pitcher.



57026—H. Whittingham—*Hot Air Furnace.*



57029—A. S. Wilkinson—*Horse Shoe.*

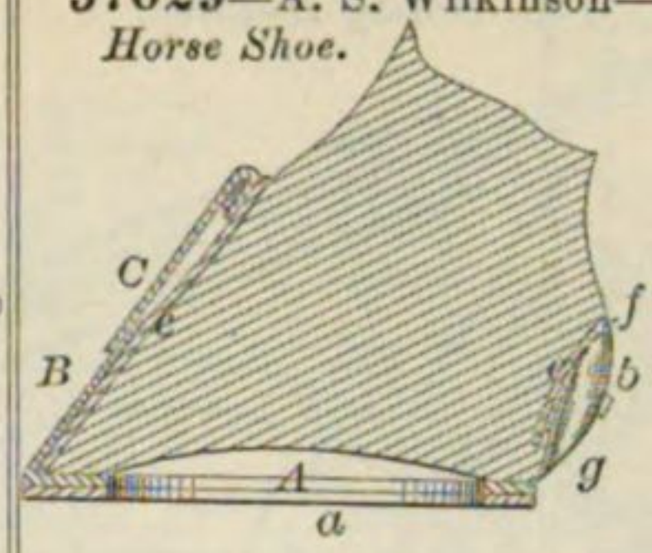
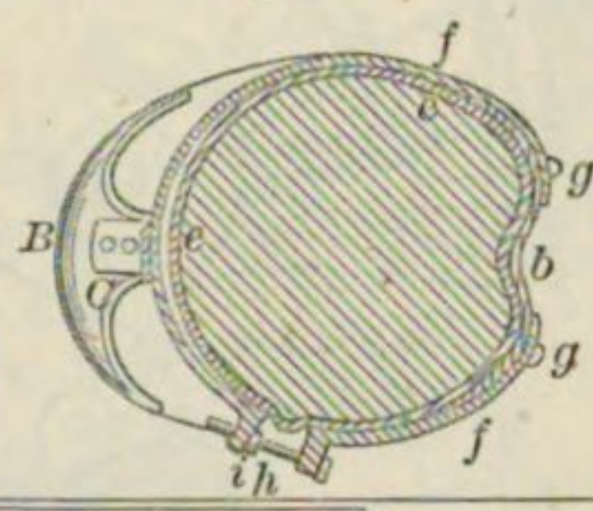
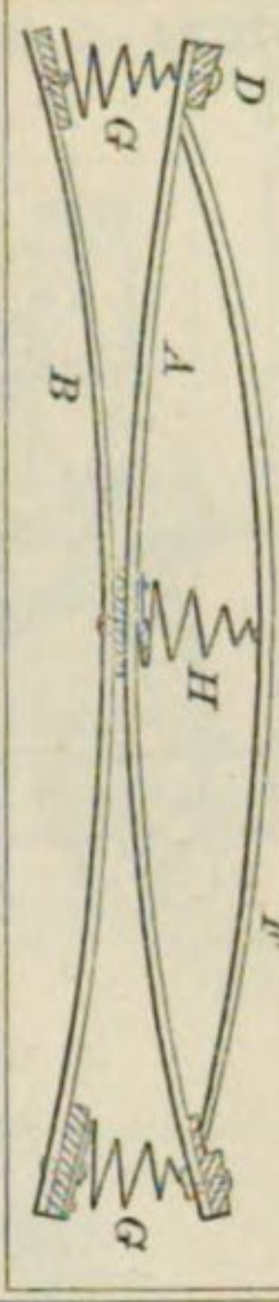


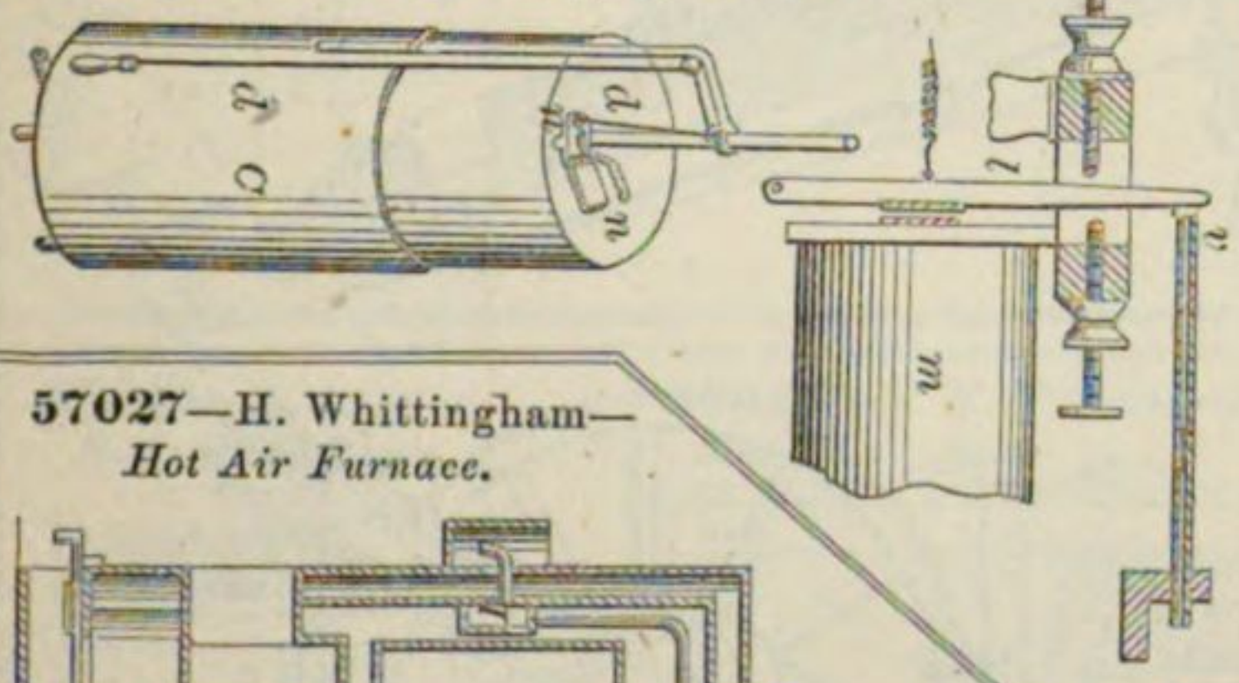
Fig. 2



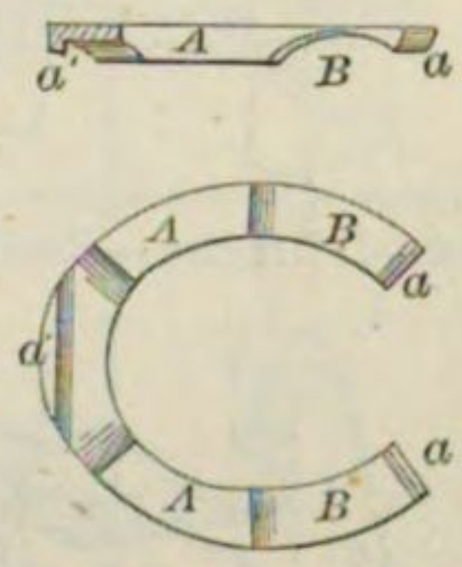
57031—Wilsey & Forbes—*Bed Bottom.*



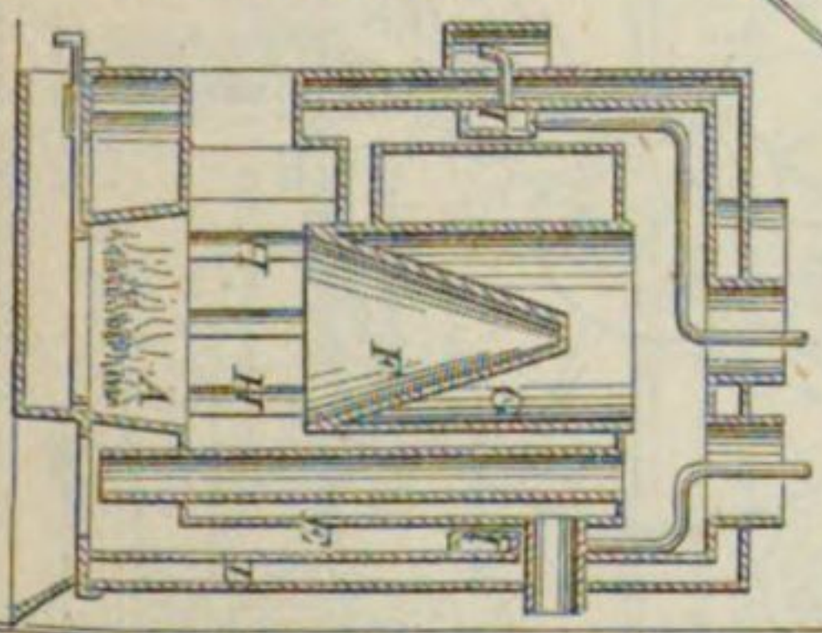
57032—E. Wilson—*Telegraph Sounder.*



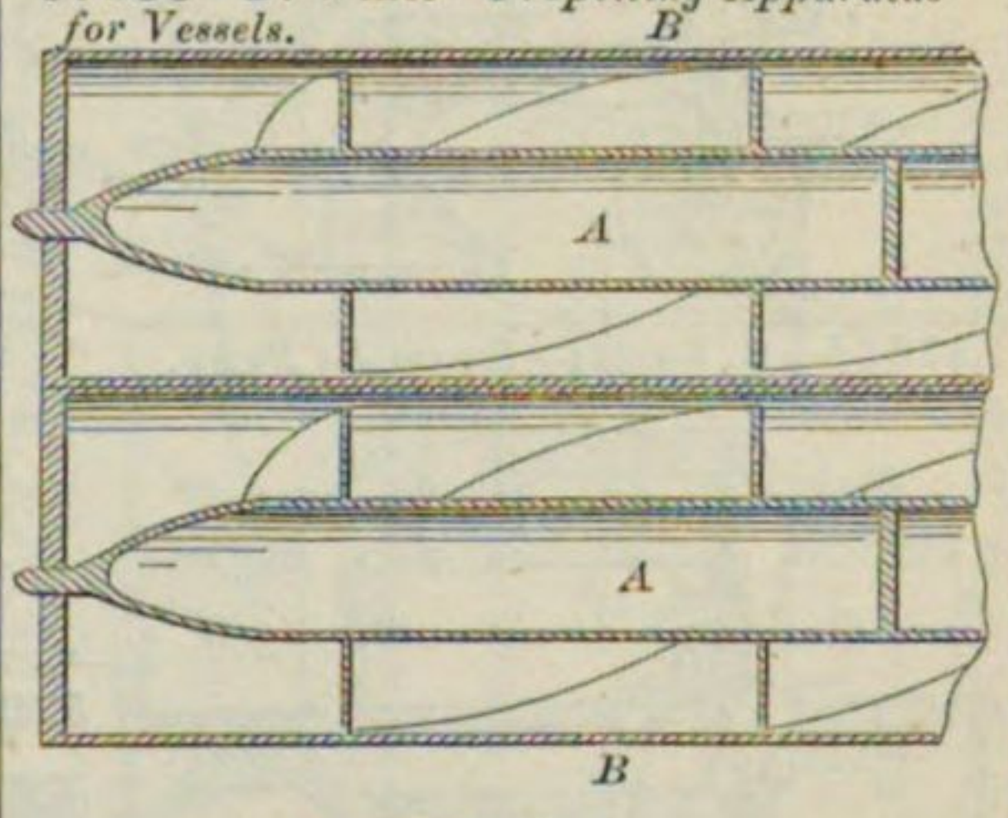
57030—A. S. Wilkinson—*Horse Shoe.*



57027—H. Whittingham—*Hot Air Furnace.*

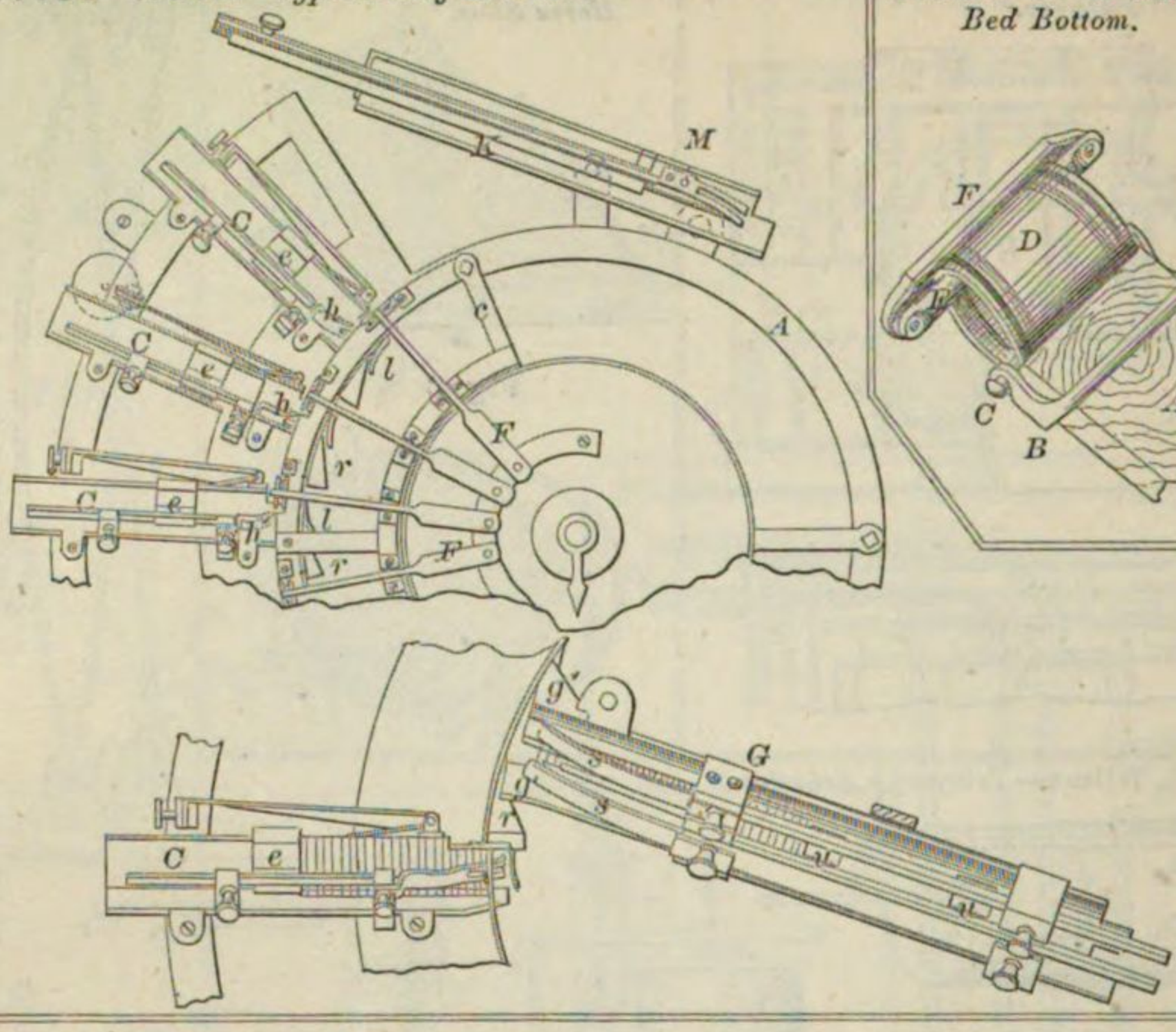


57033—D. Winer—*Propelling Apparatus for Vessels.*

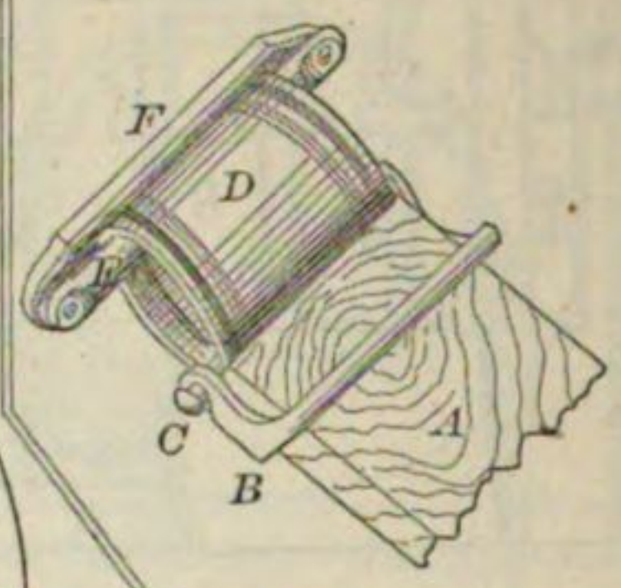


57028—H. Whittingham—*Hot Air Furnace.*

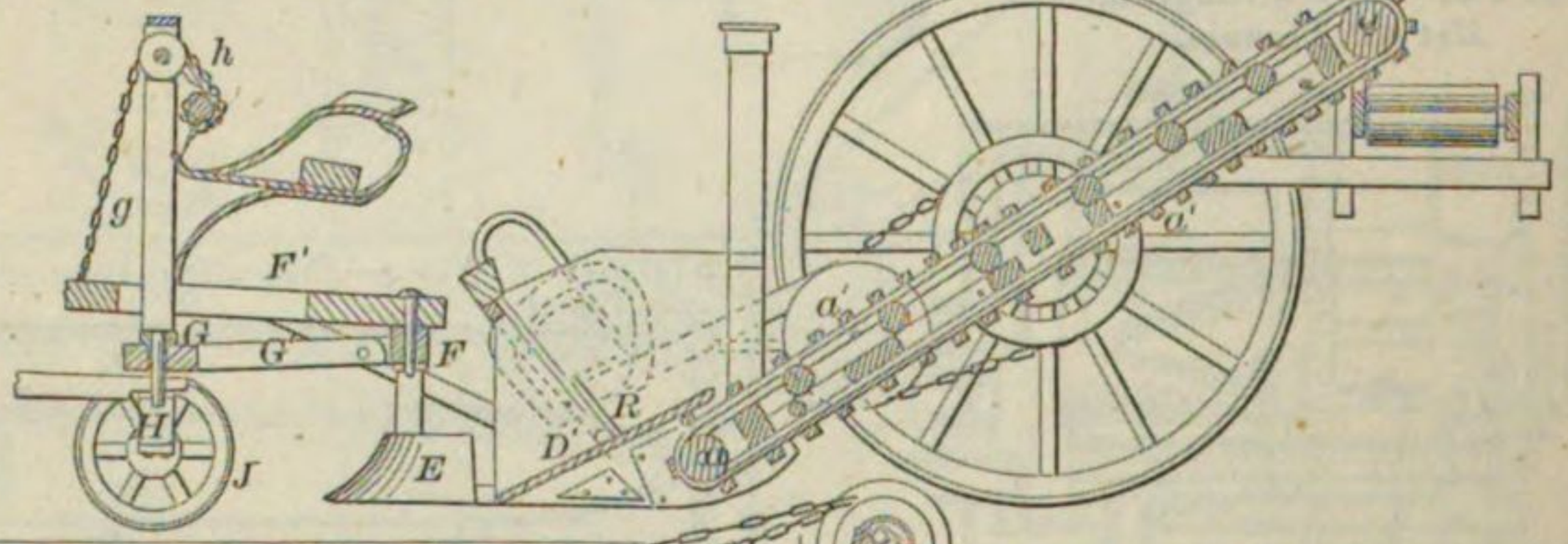
57034—C. Baer—*Type-Setting Machine.*



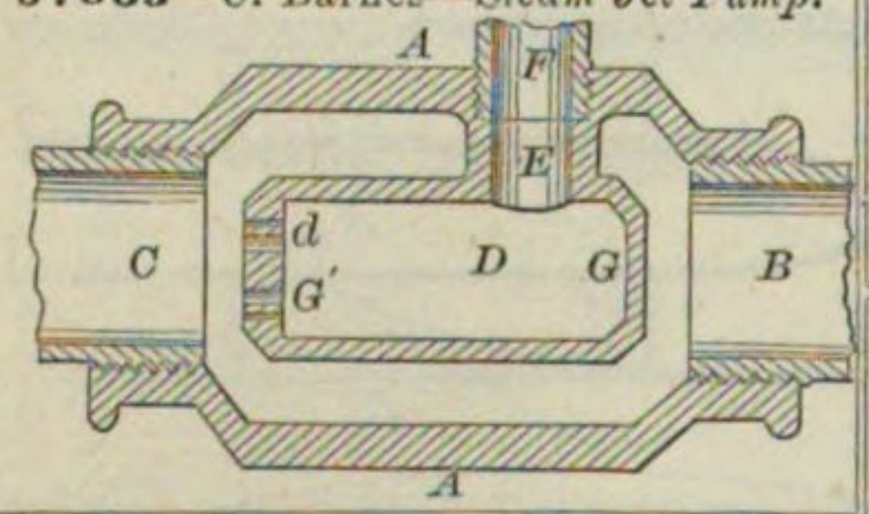
57039—A. D. Chase—*Bed Bottom.*



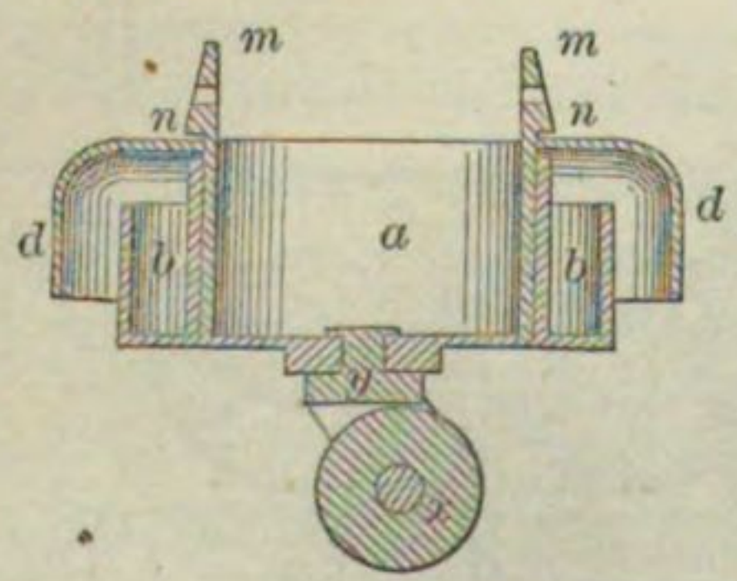
57038—J. Bradley—*Excavator.*



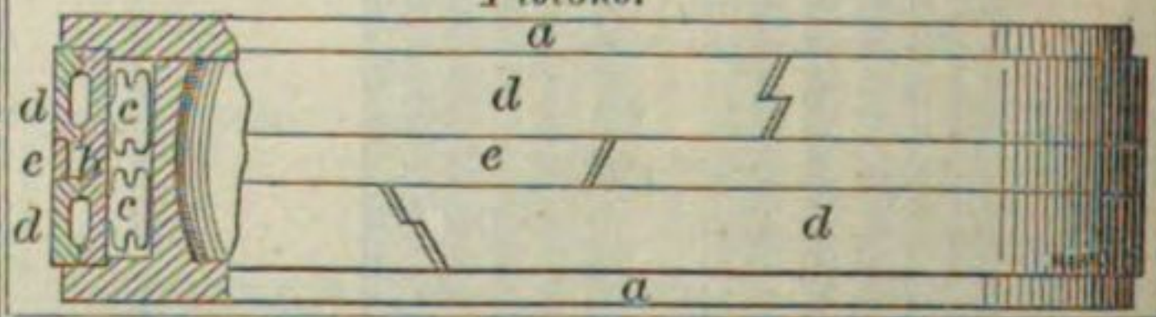
57035—C. Barnes—*Steam Jet Pump.*



57036—T. Beach—*Caster.*

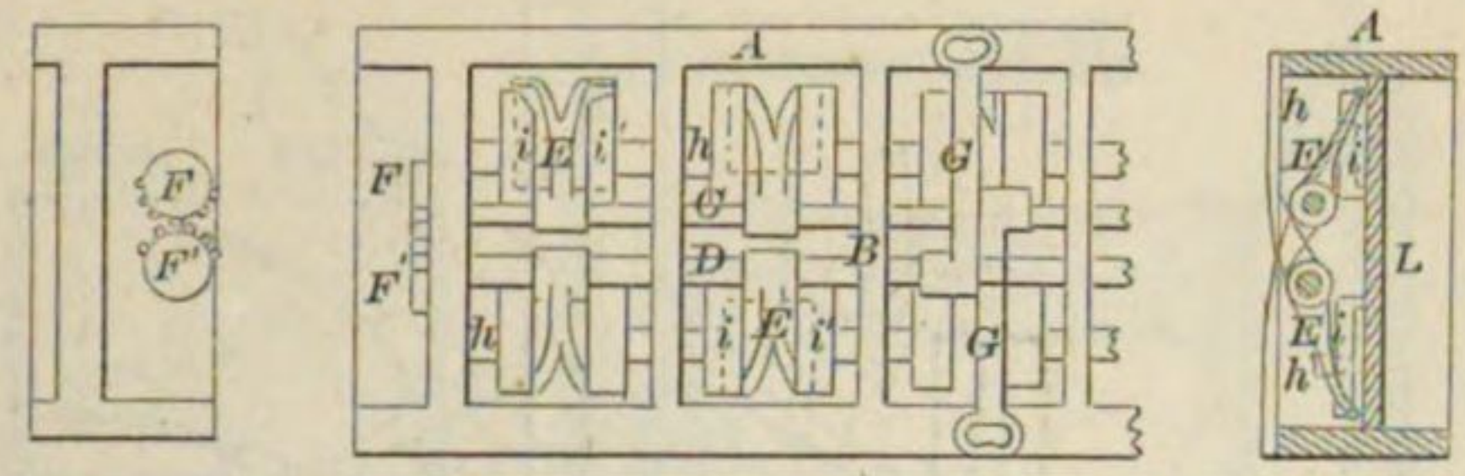


57037—J. F. Borgardus—*Packing Rings for Pistons.*

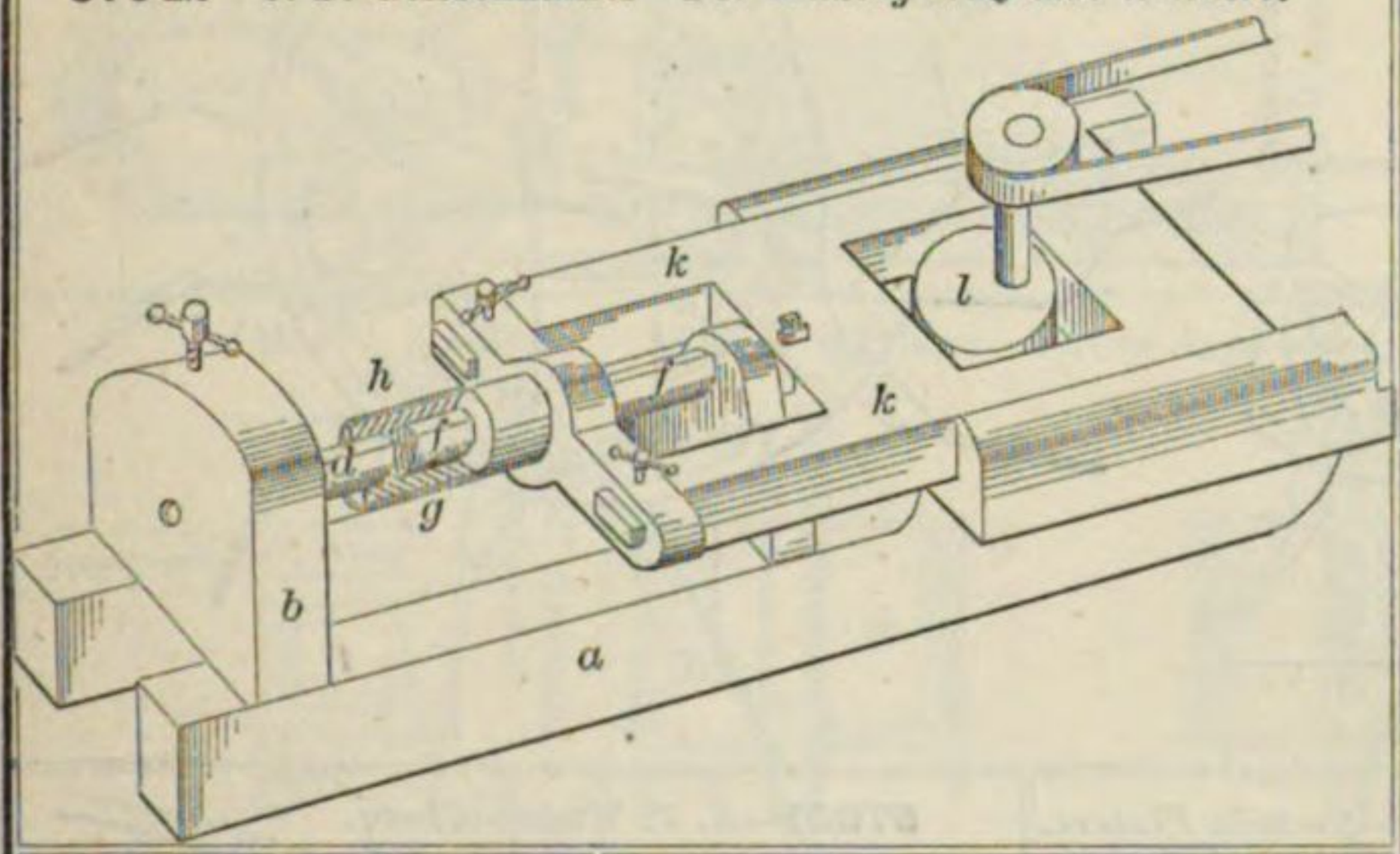


57040—W. B Dodds—*Safe Lock.*

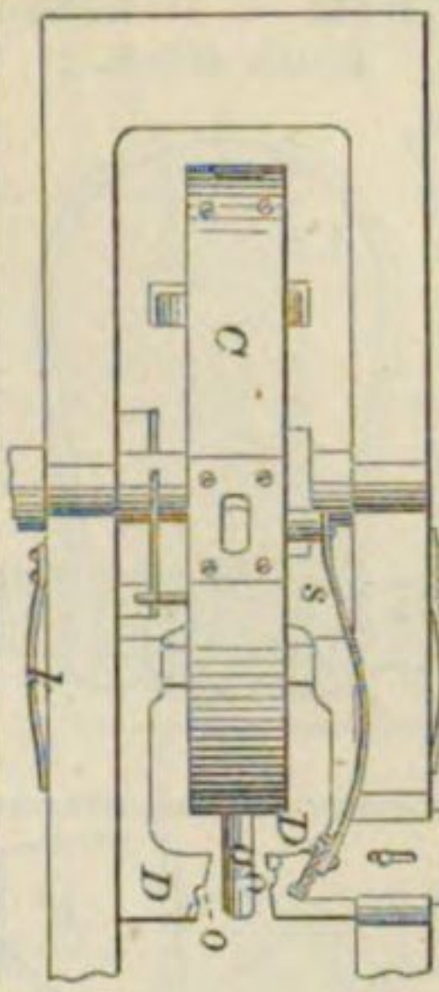
57041—J. M. Ferrell—*Brick Mould.*



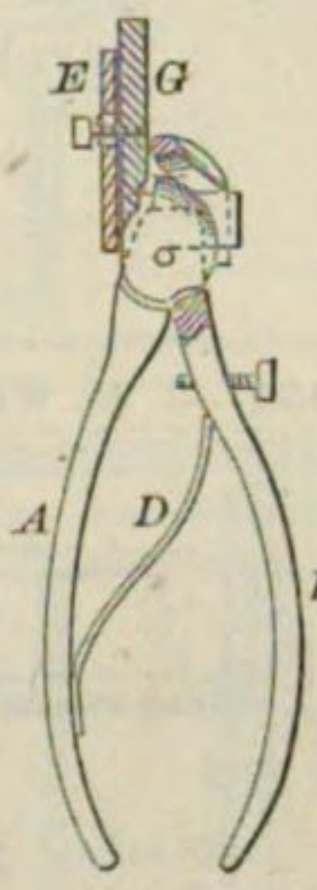
57042—C. P. Geissenhainer—*For Making Nuts and Washers.*



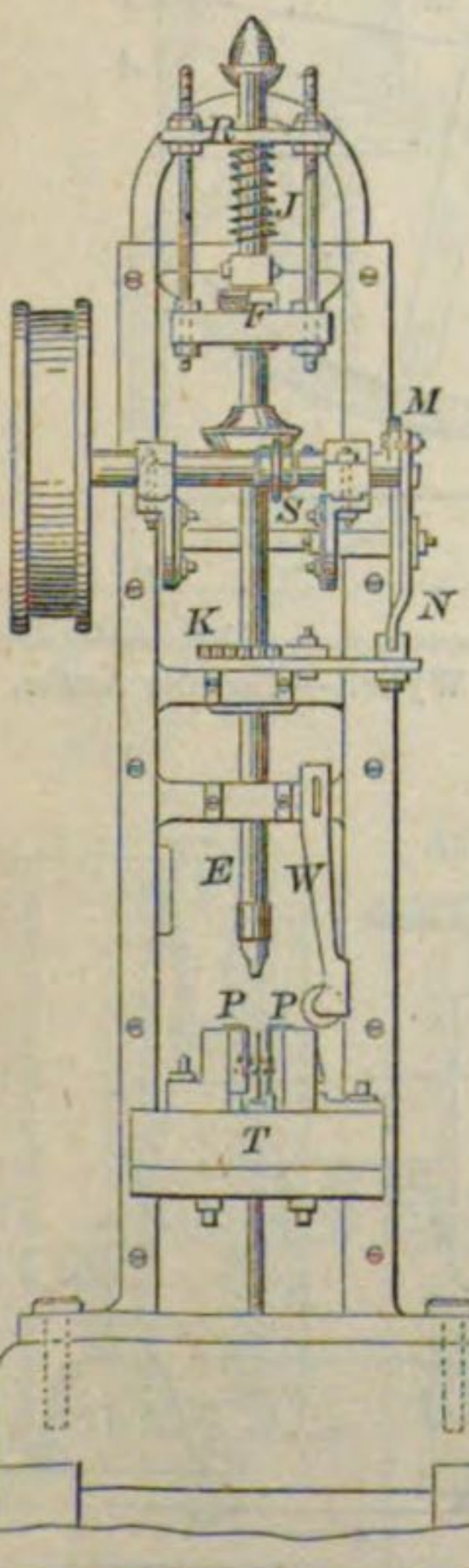
57043—E. L. Keeler—*For Bending Chain Links.*



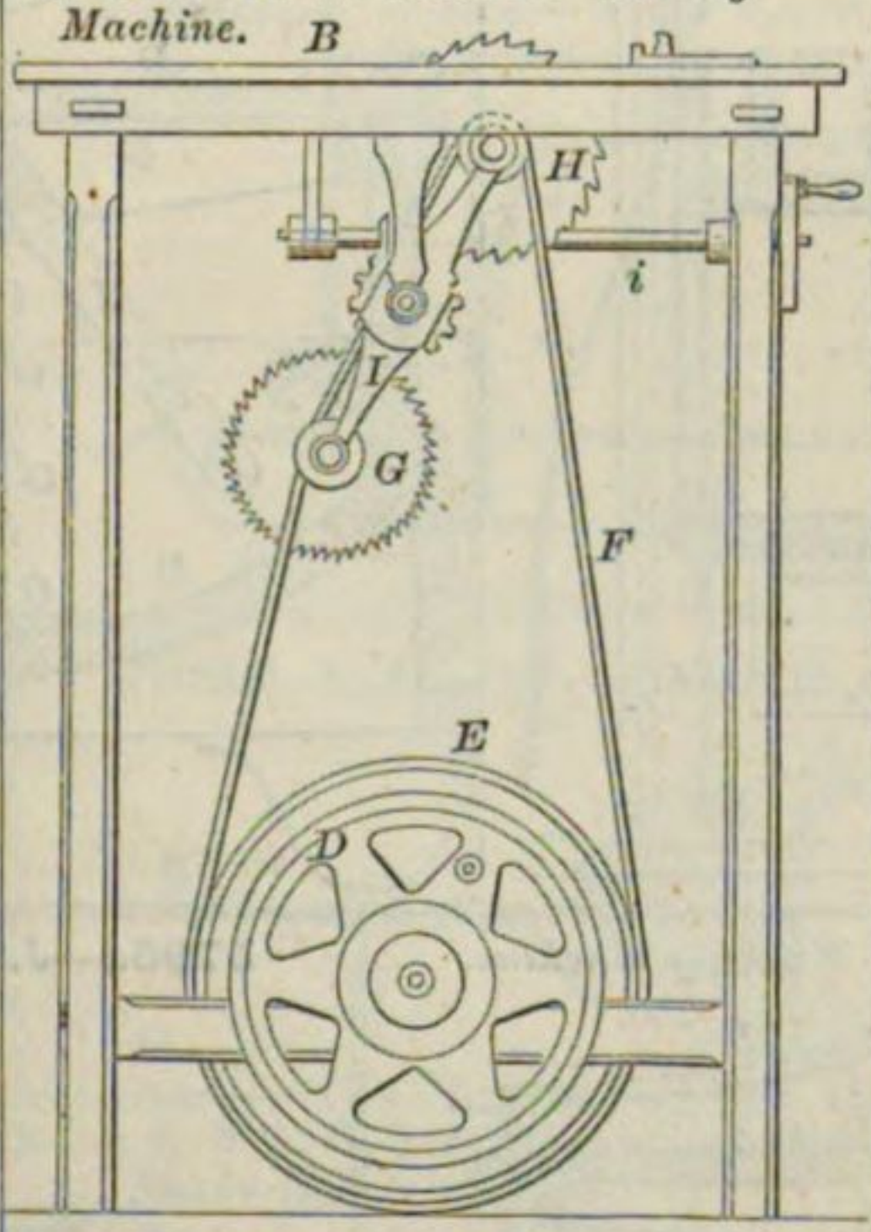
57044—J. Lyle—*Saw Set.*



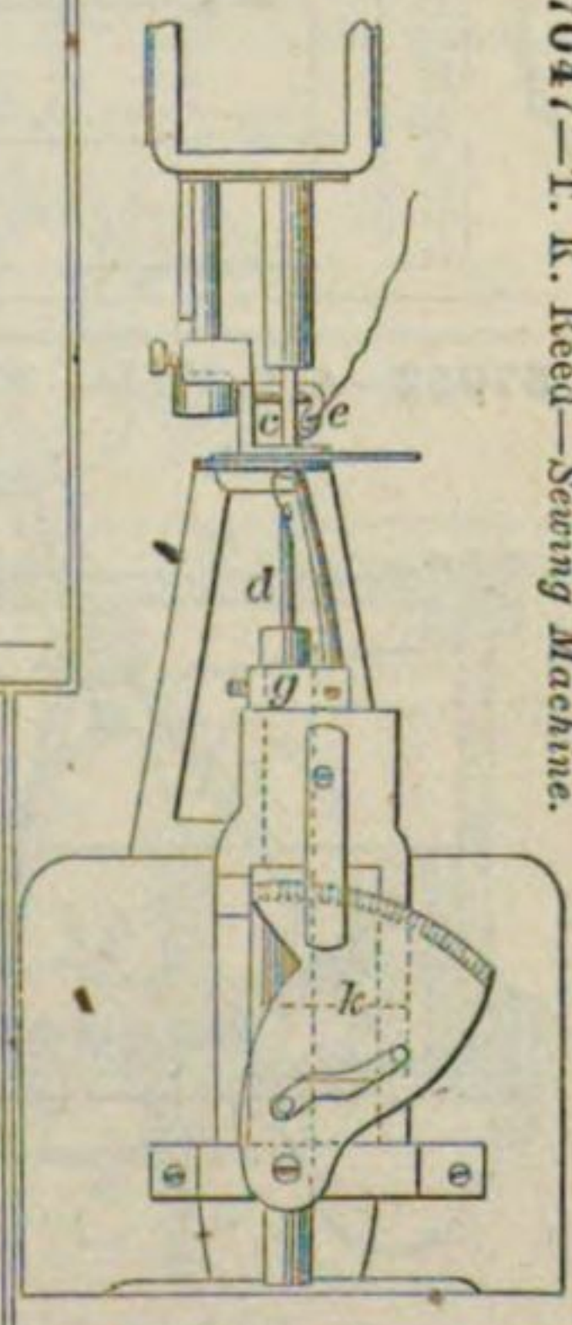
57045—R. Lyon—*Riveting Machine.*



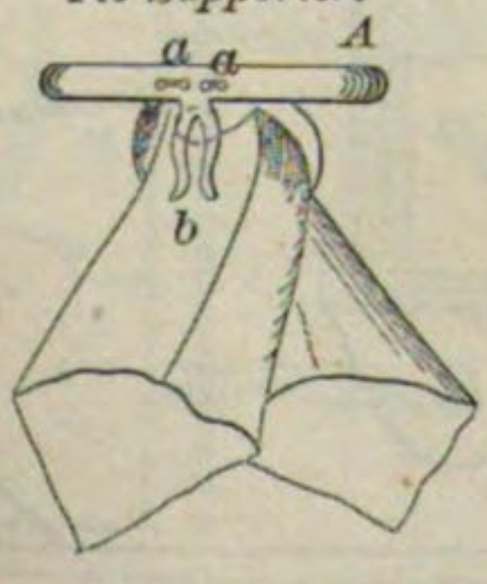
57046—S. W. Putnam—*Sawing Machine.*



57047—T. K. Reed—*Sewing Machine.*

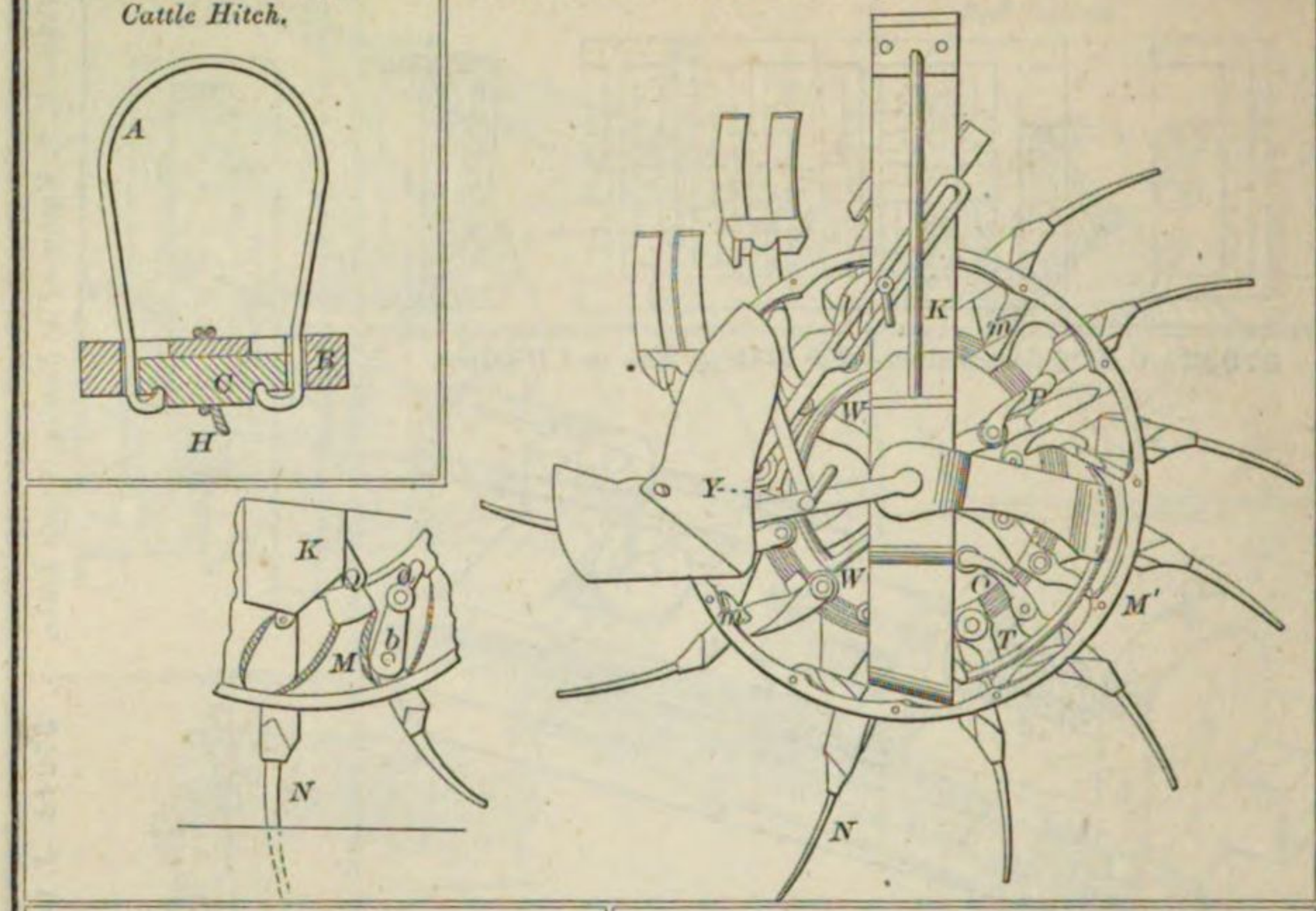


57048—T. Rosenthal—*Neck Tie Supporter.*

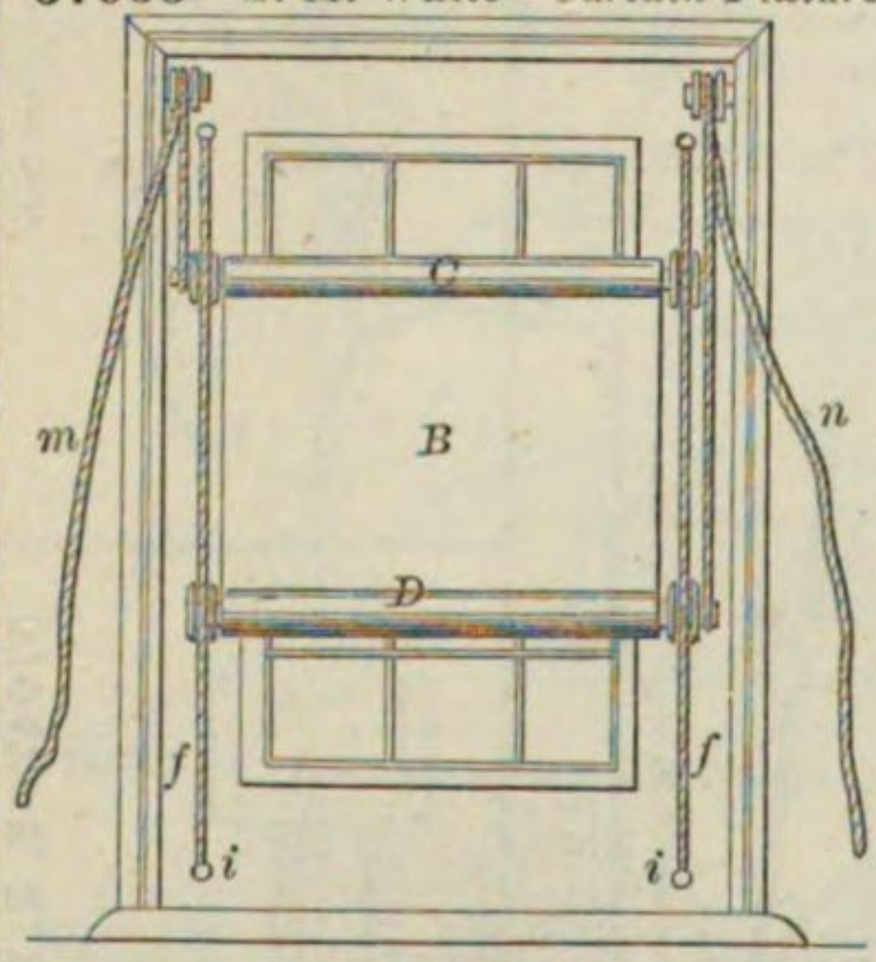


57049—C. H. Sawyer—*Cattle Hitch.*

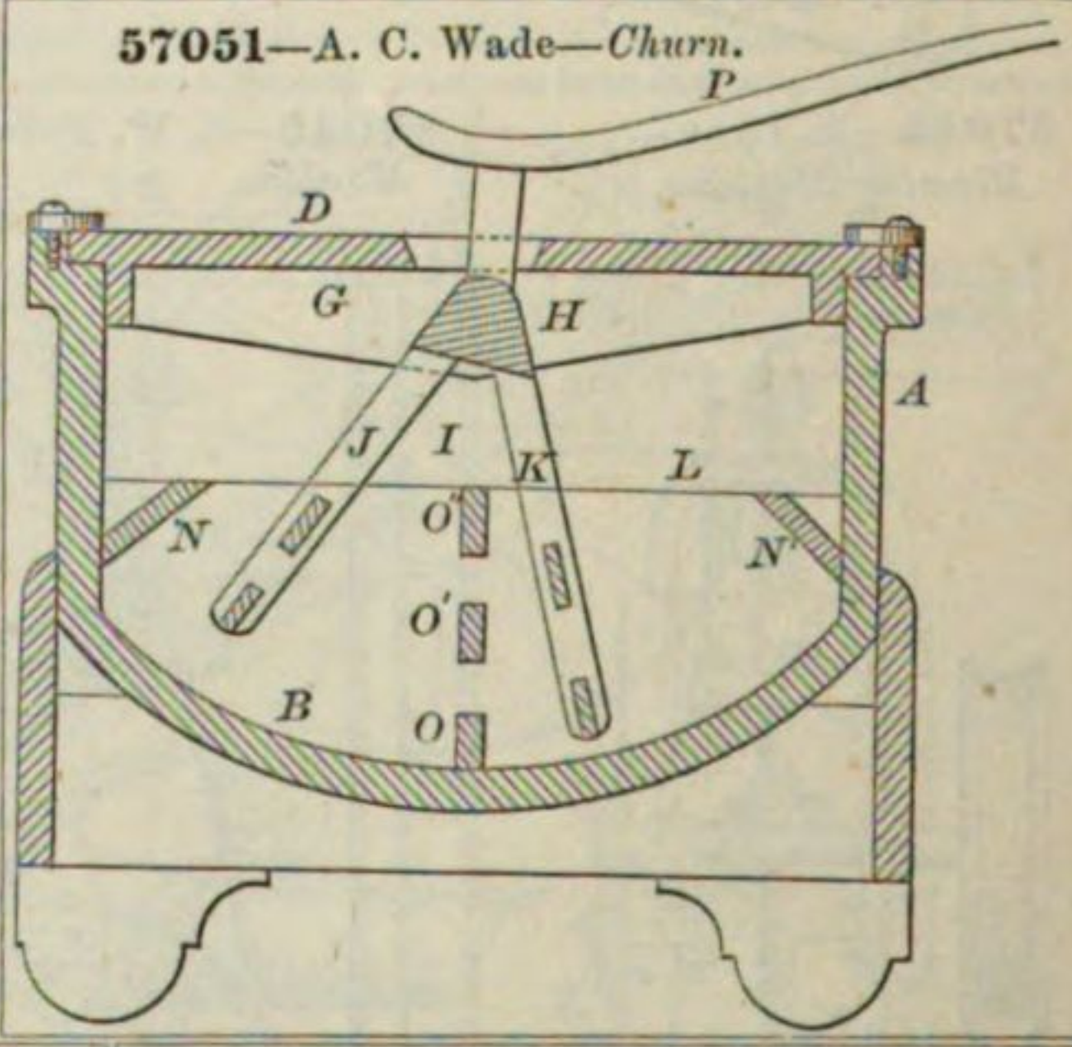
57050—J. Stevens—*Ditching Machine.*



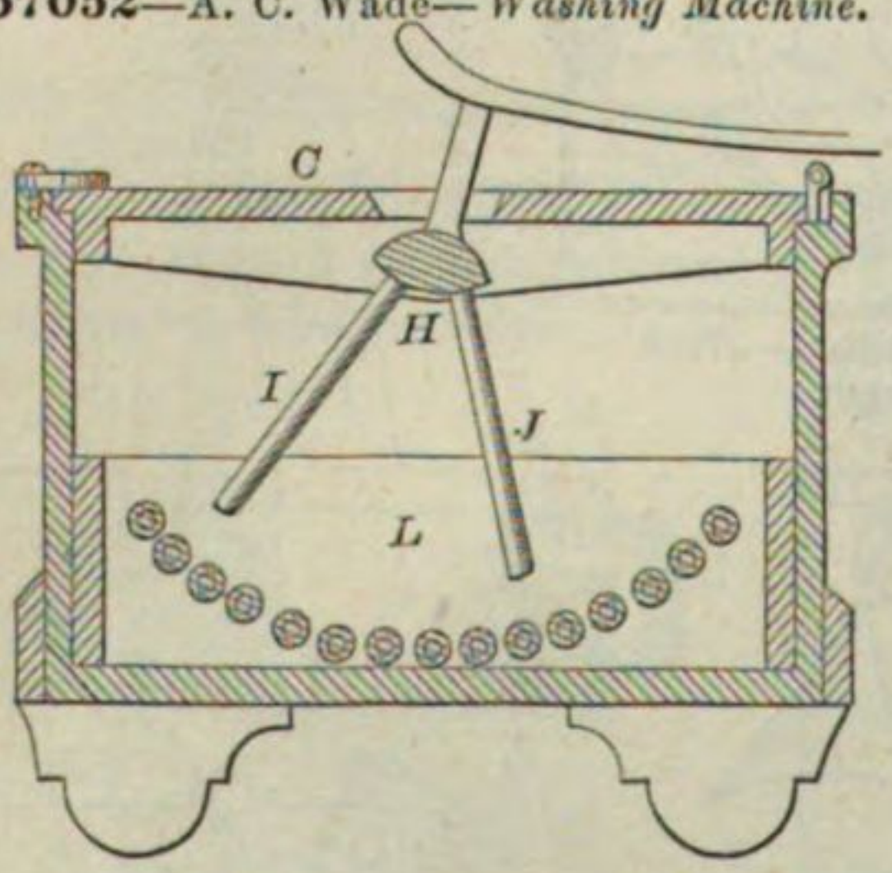
57053—G. M. White—*Curtain Fixture.*



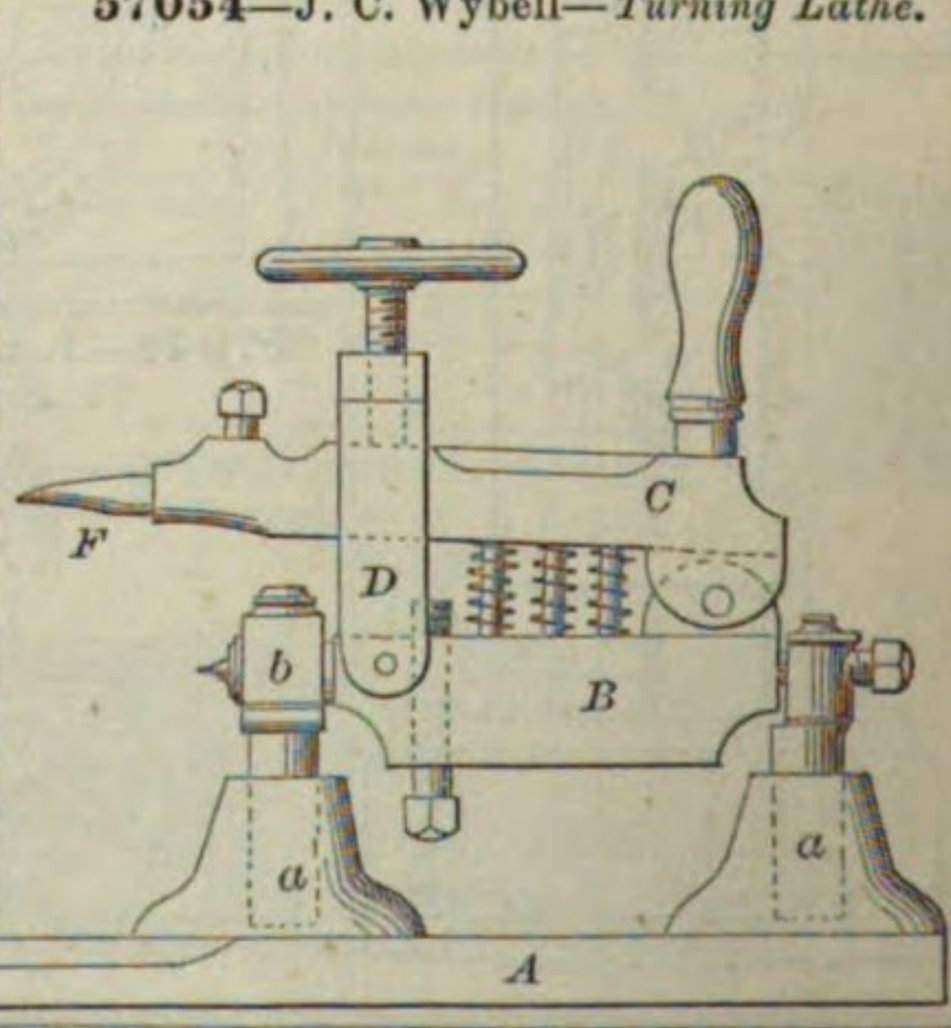
57051—A. C. Wade—*Churn.*



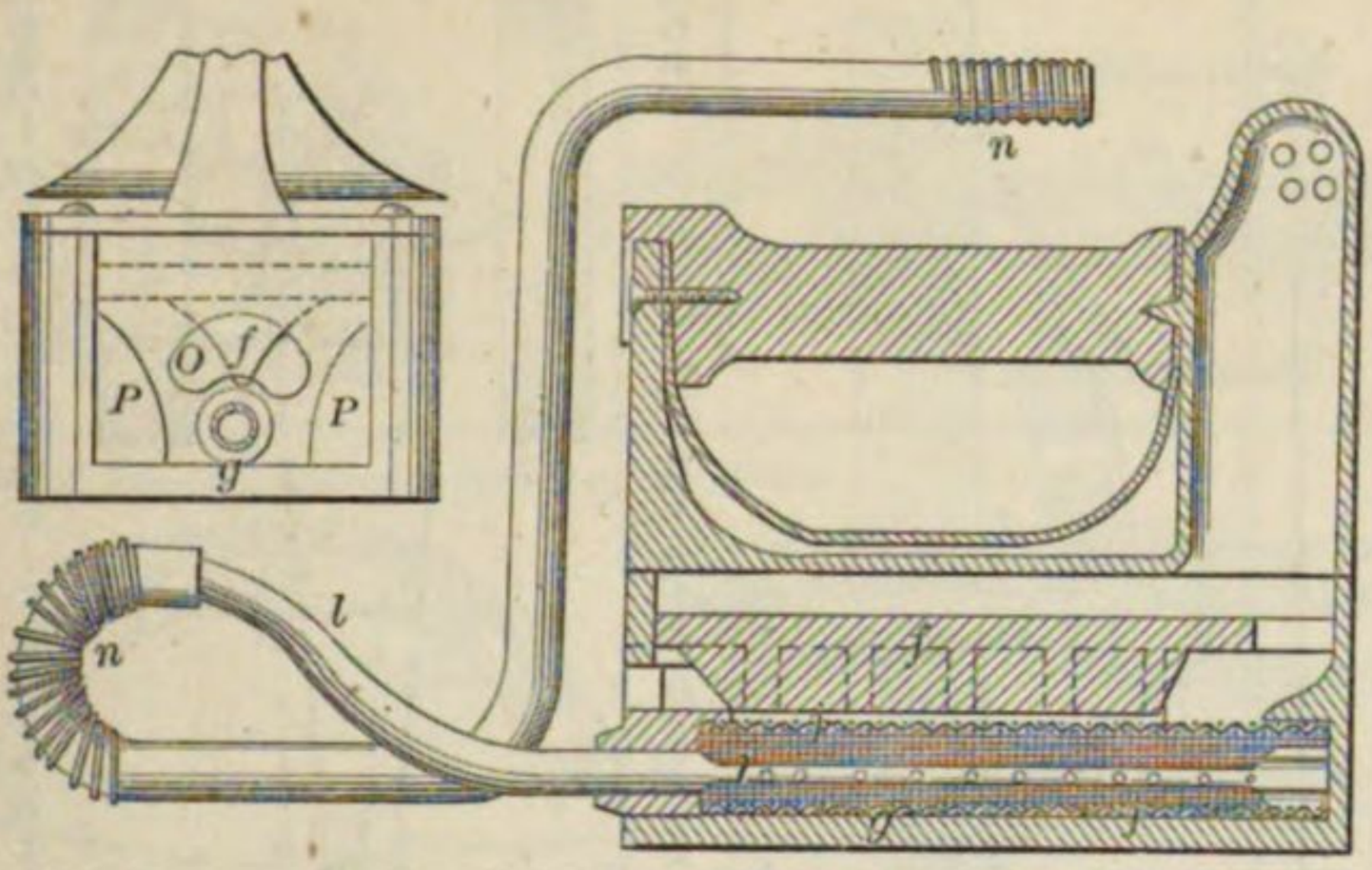
57052—A. C. Wade—*Washing Machine.*



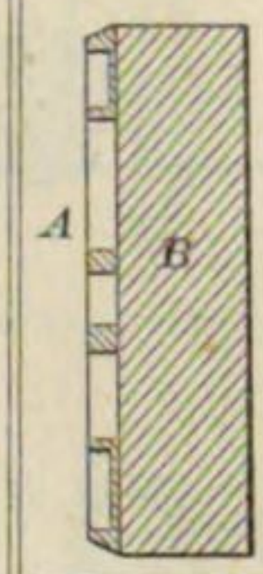
57054—J. C. Wybell—*Turning Lathe.*



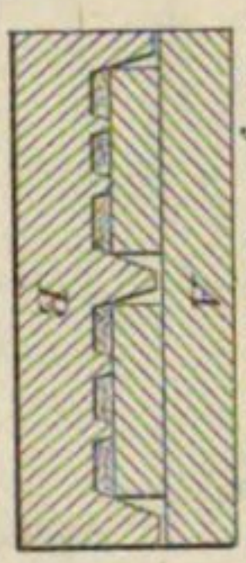
57055—A. T. Atherton—*Sad Iron Heater.*



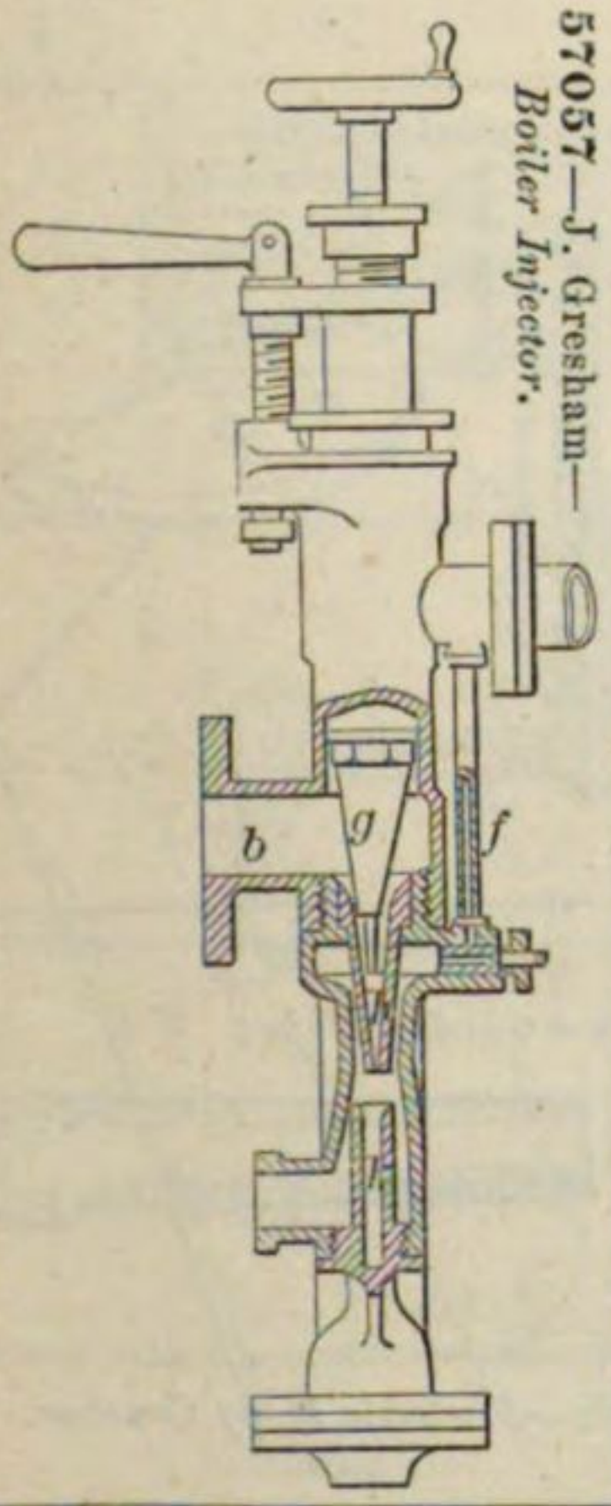
57056—G. W. Bacon—*Block or Plate for Printing Maps.*



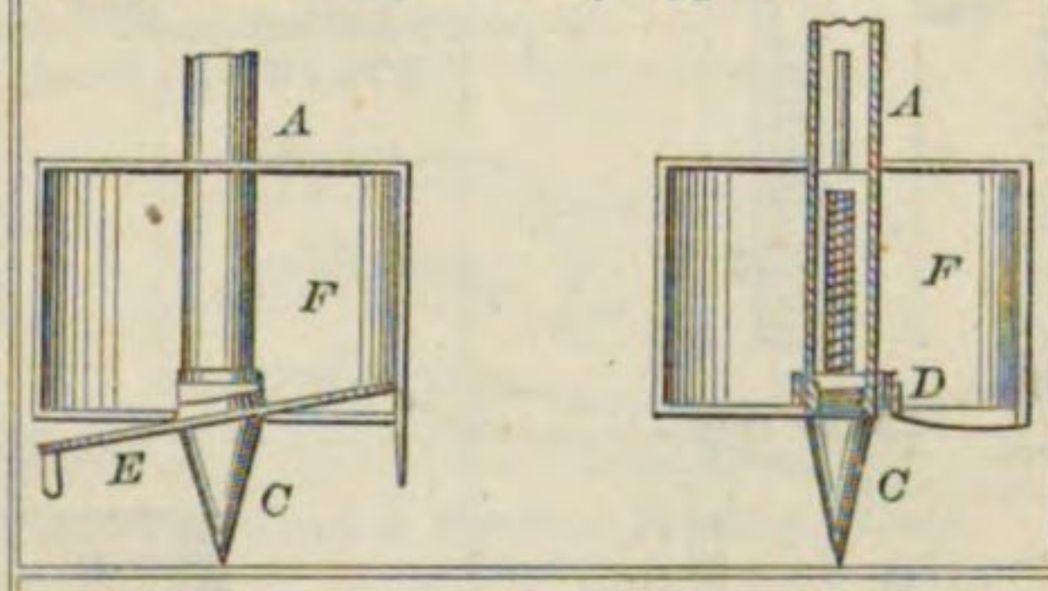
57059—W. Batty—*Uniting Iron and Steel for Railroad Rails.*



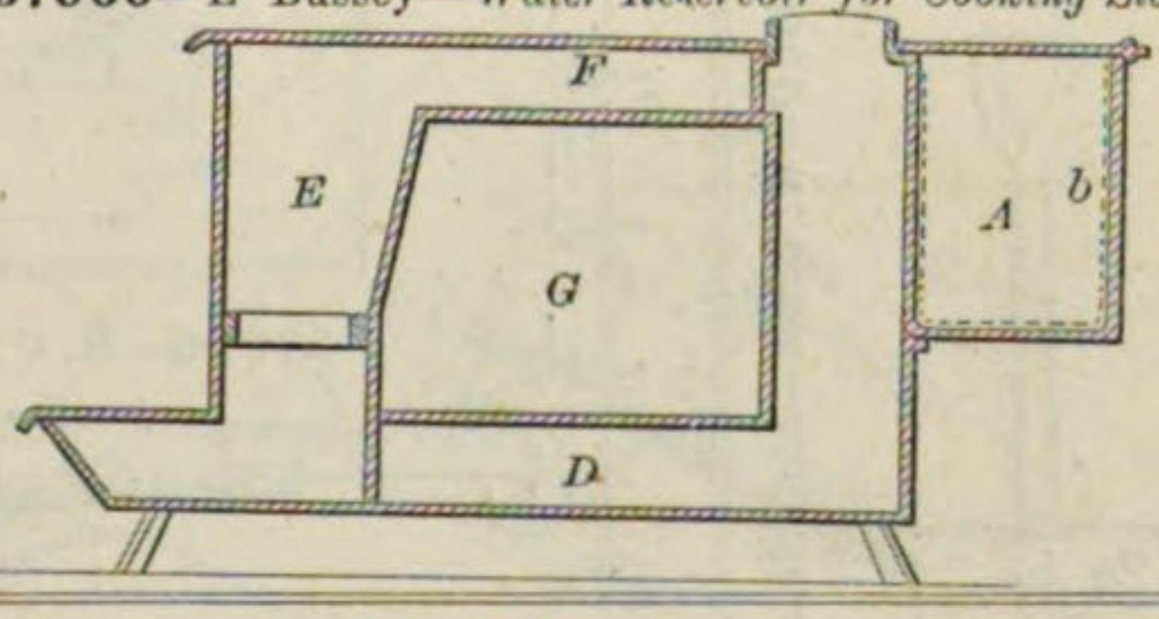
57057—J. Gresham—*Boiler Injector.*



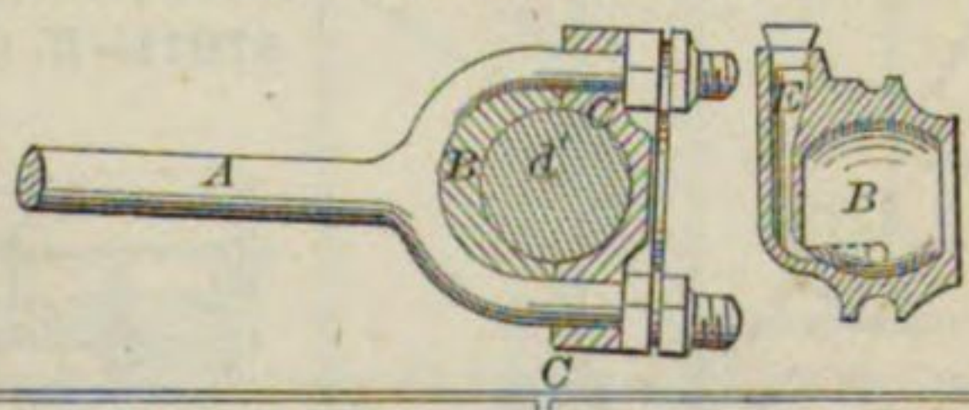
57058—S. Cary—*Boring Apparatus.*



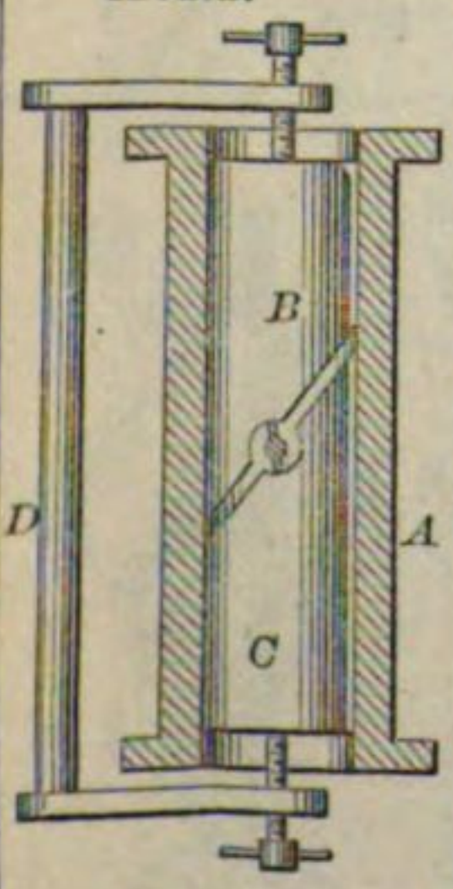
57060—E Bussey—*Water Reservoir for Cooking Stoves.*



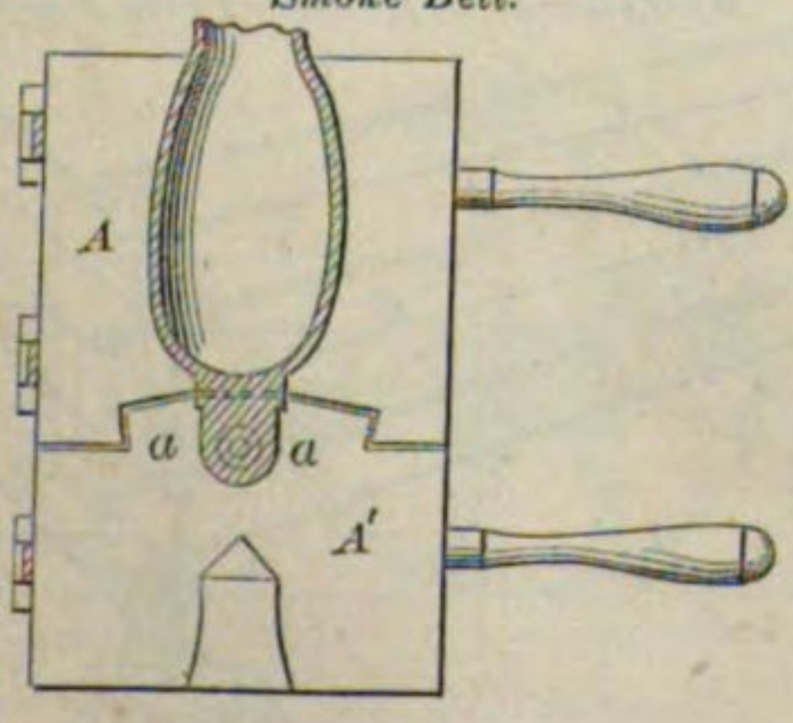
57061—A. S. Acker—*Pitman Box.*



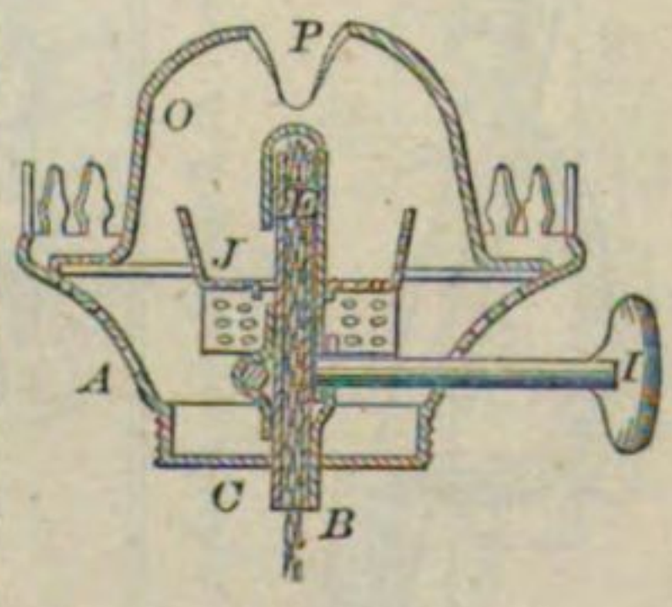
57062—R. B. Angus—*Throttle Valve Mould.*



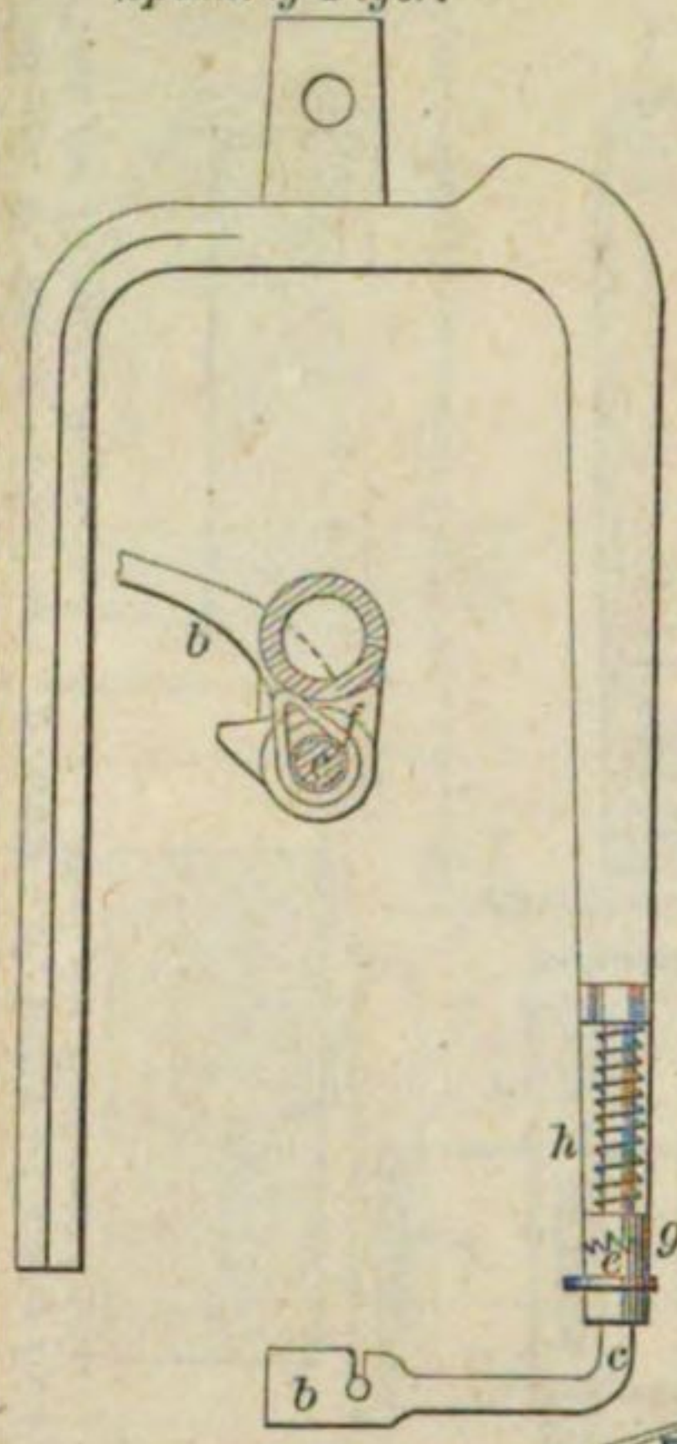
57063—J. S. & T. B. Atterbury—*Smoke Bell.*



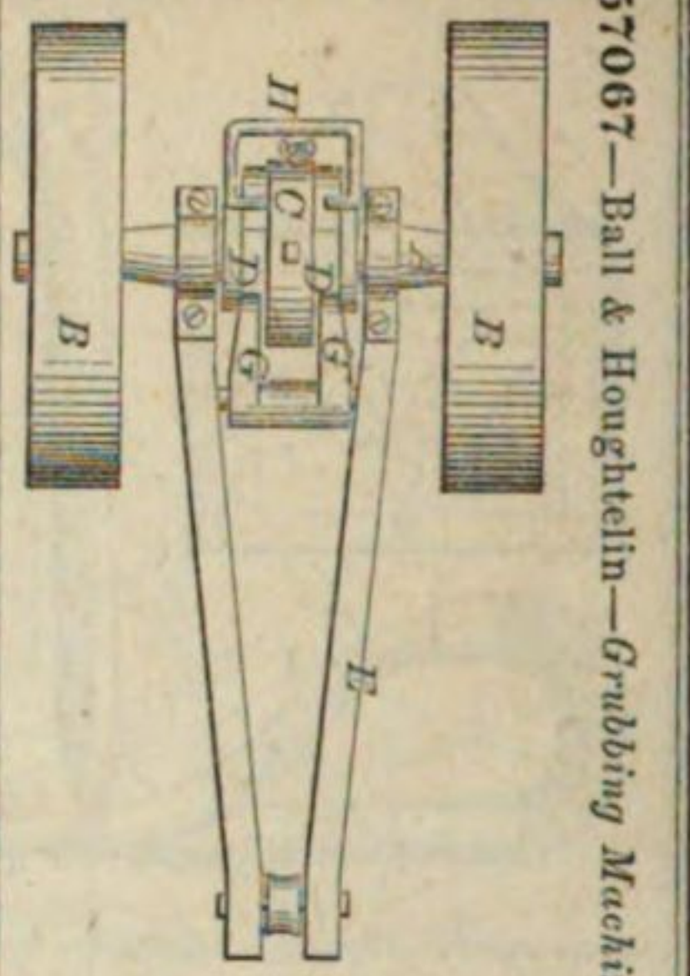
57064—C. H. Bagley—*Lamp.*



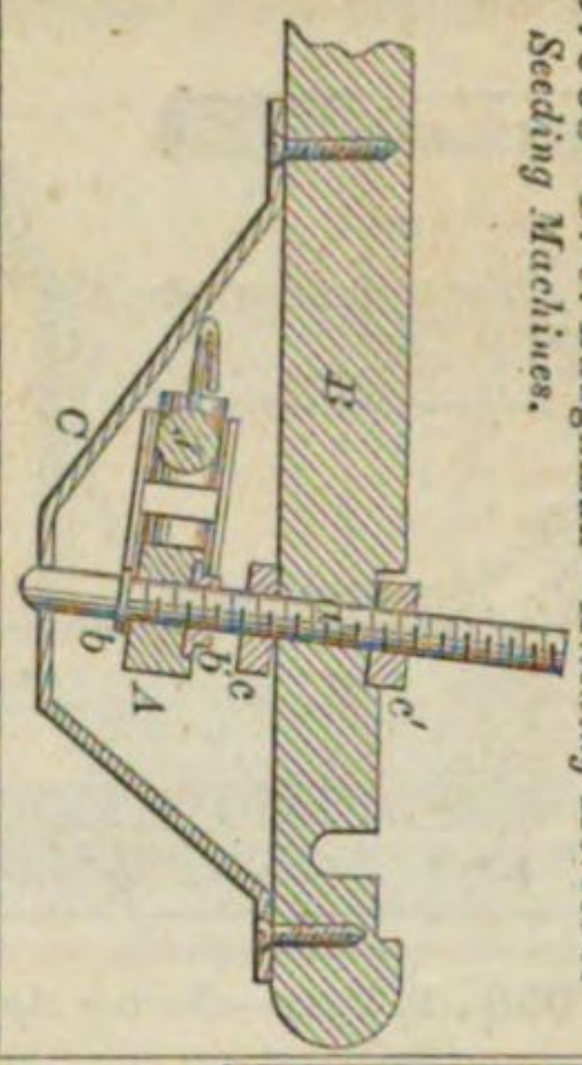
57065—B. A. Bailey—
Spinning Flyer.



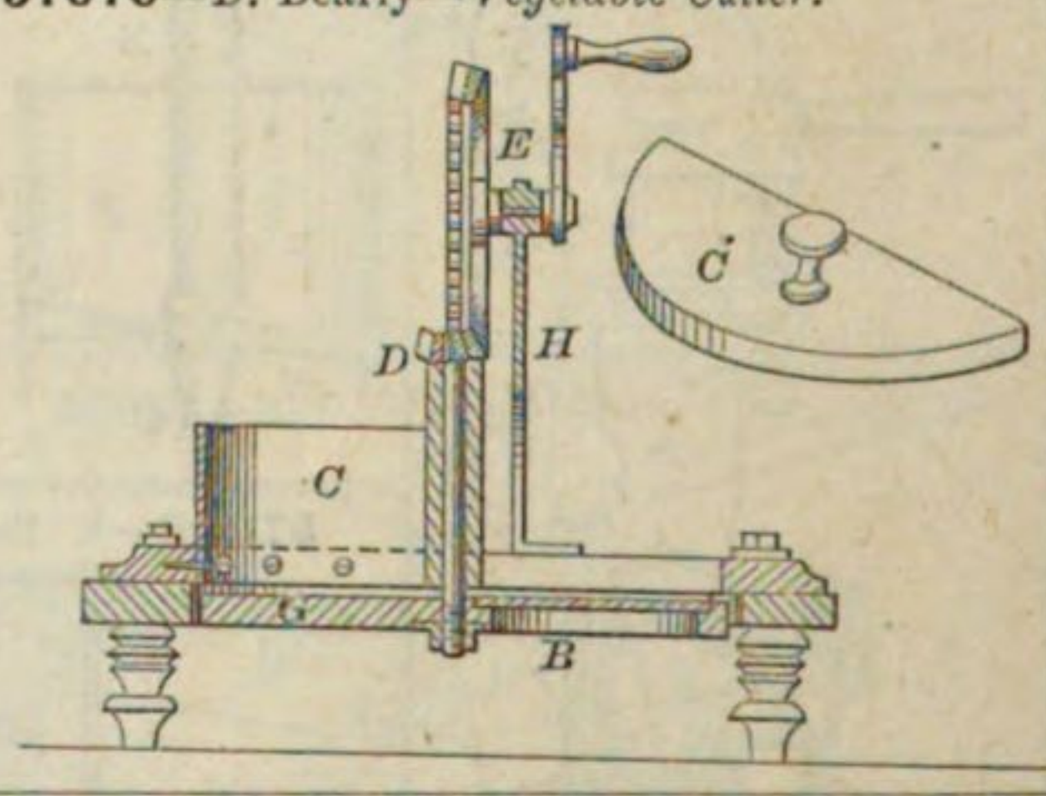
57067—Ball & Houghtelin—*Grubbing Machine.*



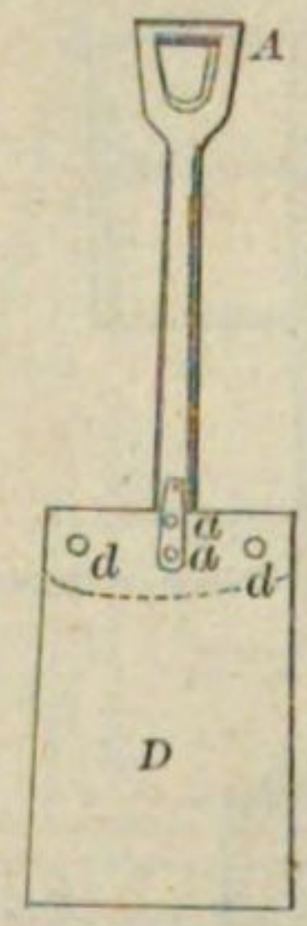
57068—D. C. Baughman—*Hitching Horses to Seeding Machines.*



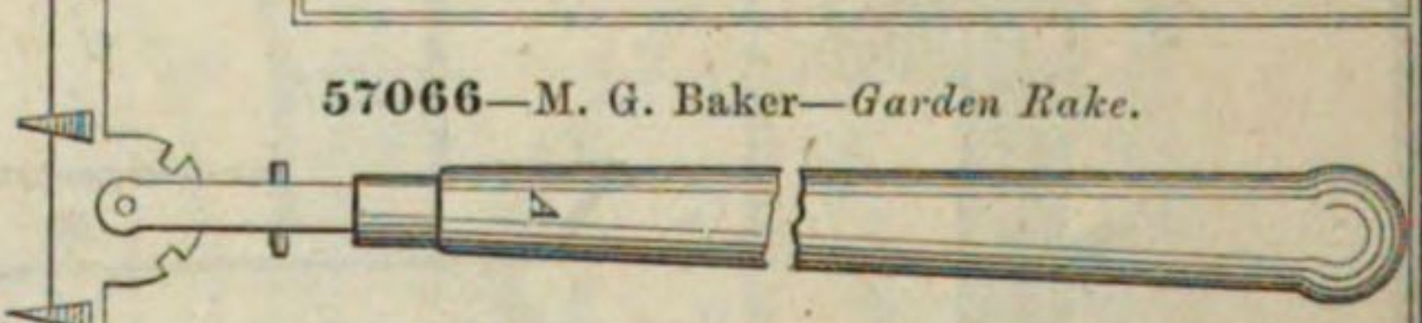
57070—D. Bearly—*Vegetable Cutter.*



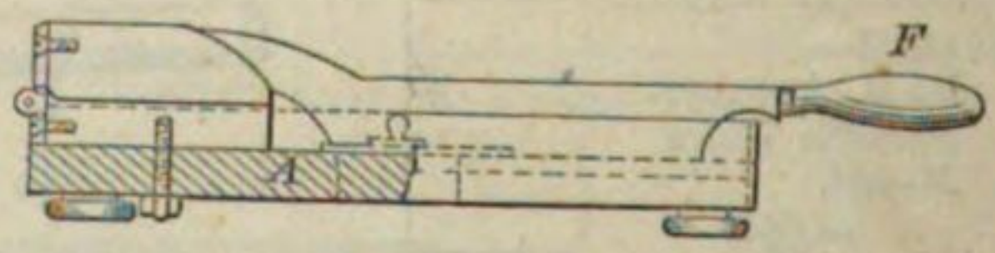
57069—W. Beach—*Malt Shovel.*



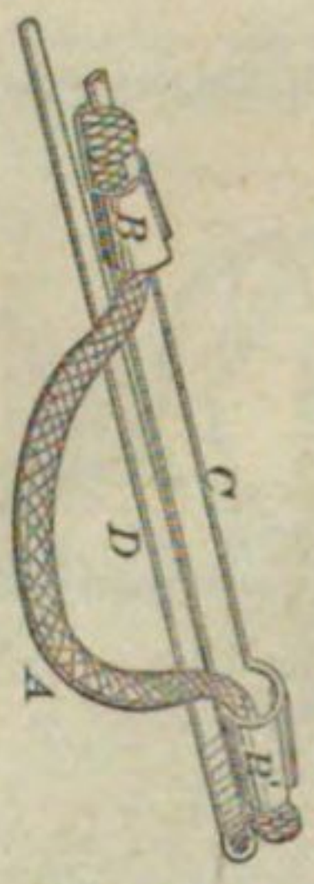
57066—M. G. Baker—*Garden Rake.*



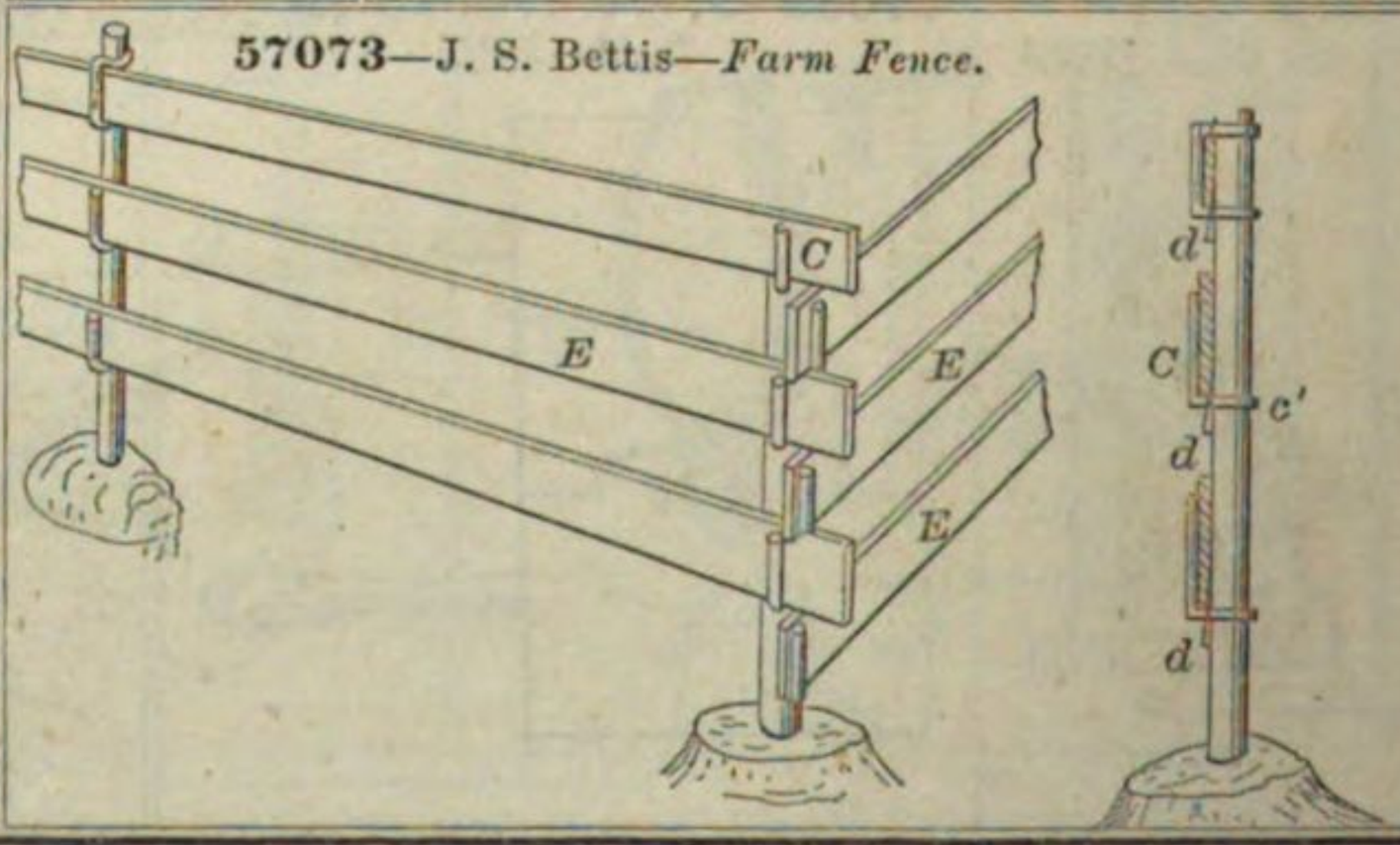
57071—H. C. Becker—*Portable Drug Crusher.*



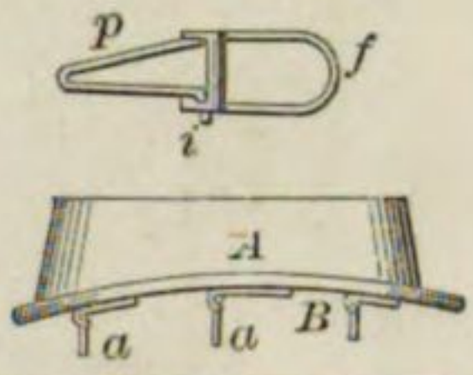
57072—J. A. Bell—*Safety Pocket.*



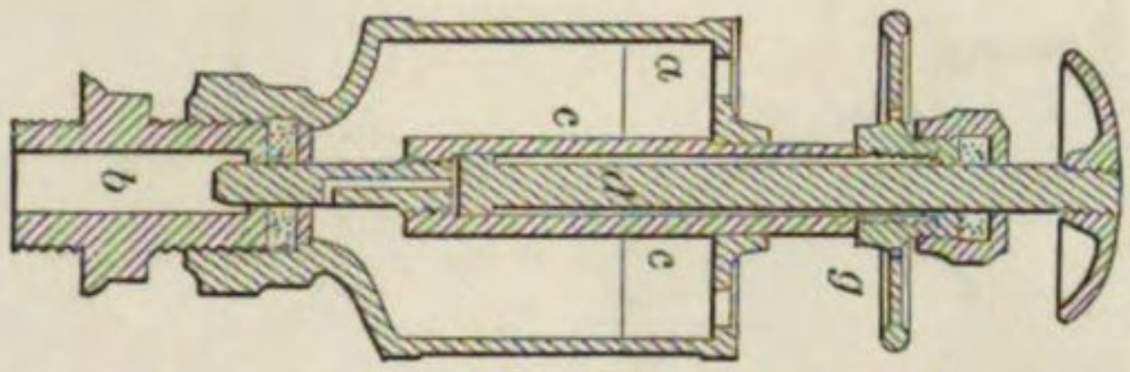
57073—J. S. Bettis—*Farm Fence.*



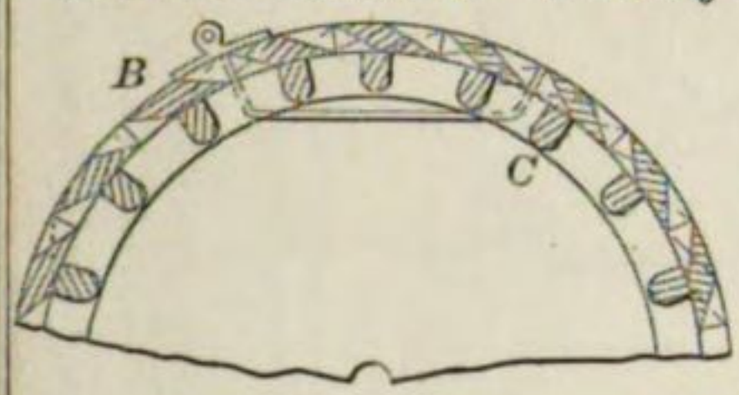
57074—G. W. Bidwell—*Hat Protector.*

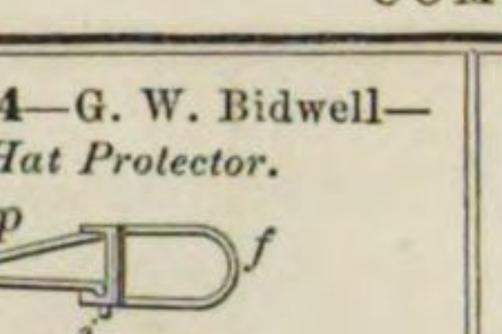


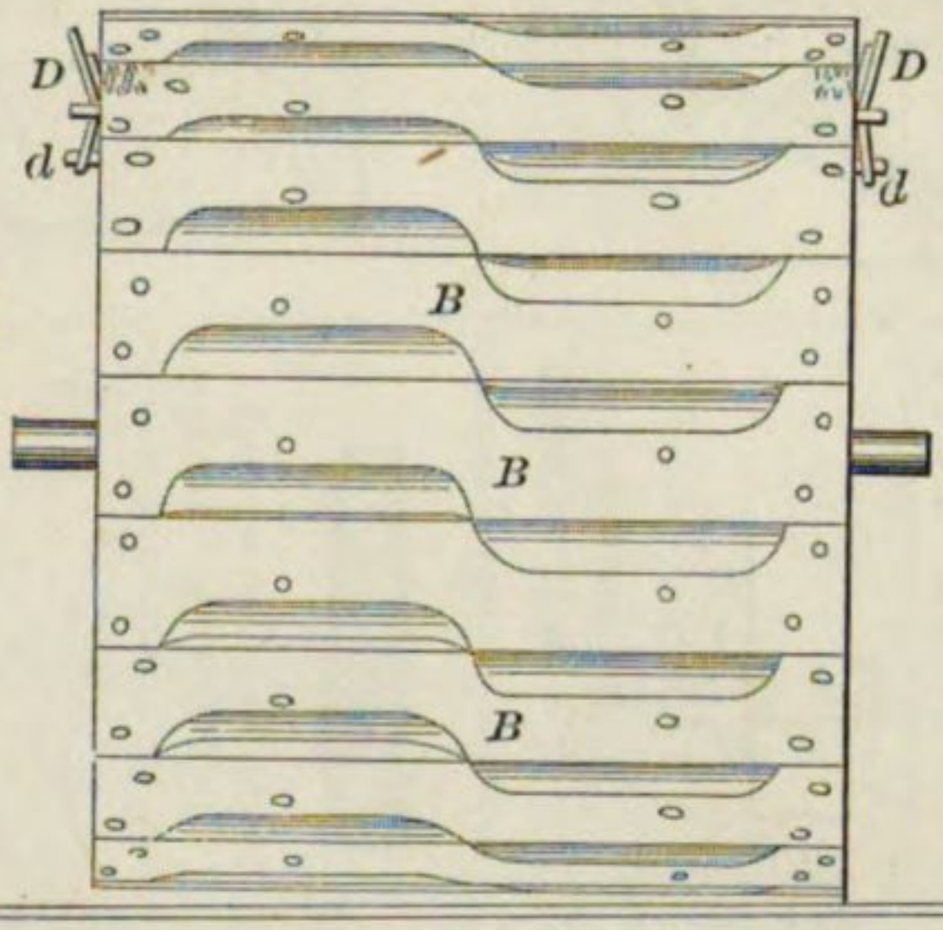
57079—G. B. Brayton—*Oil Injector for Steam Engines.*



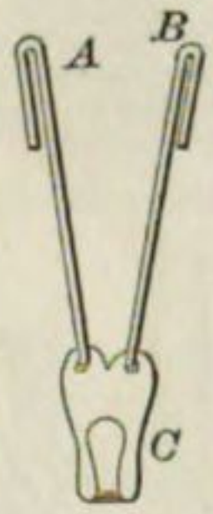
570775—B. Bisbee—*Washing Machine.*



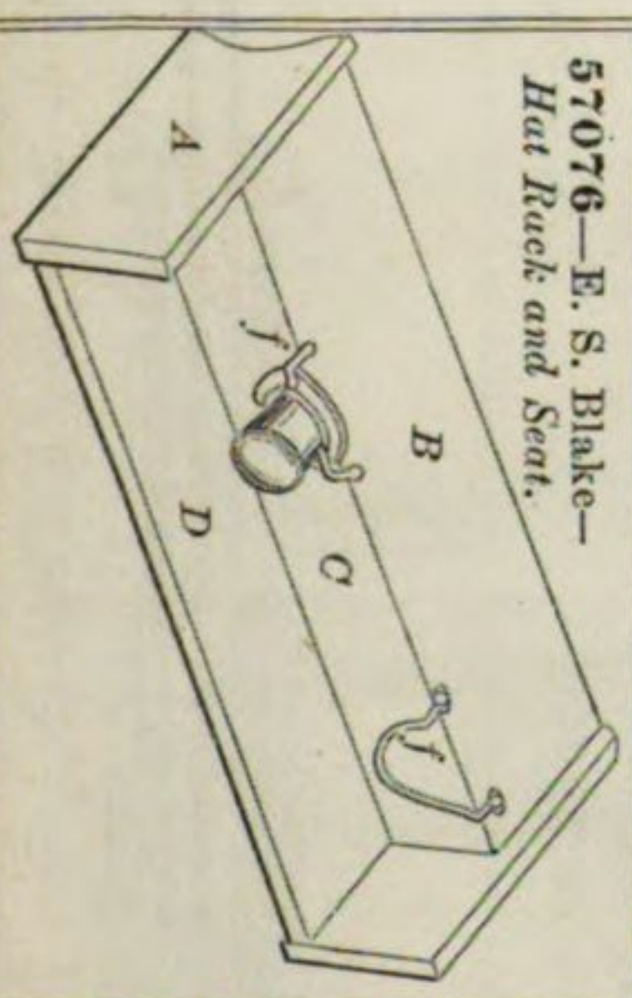




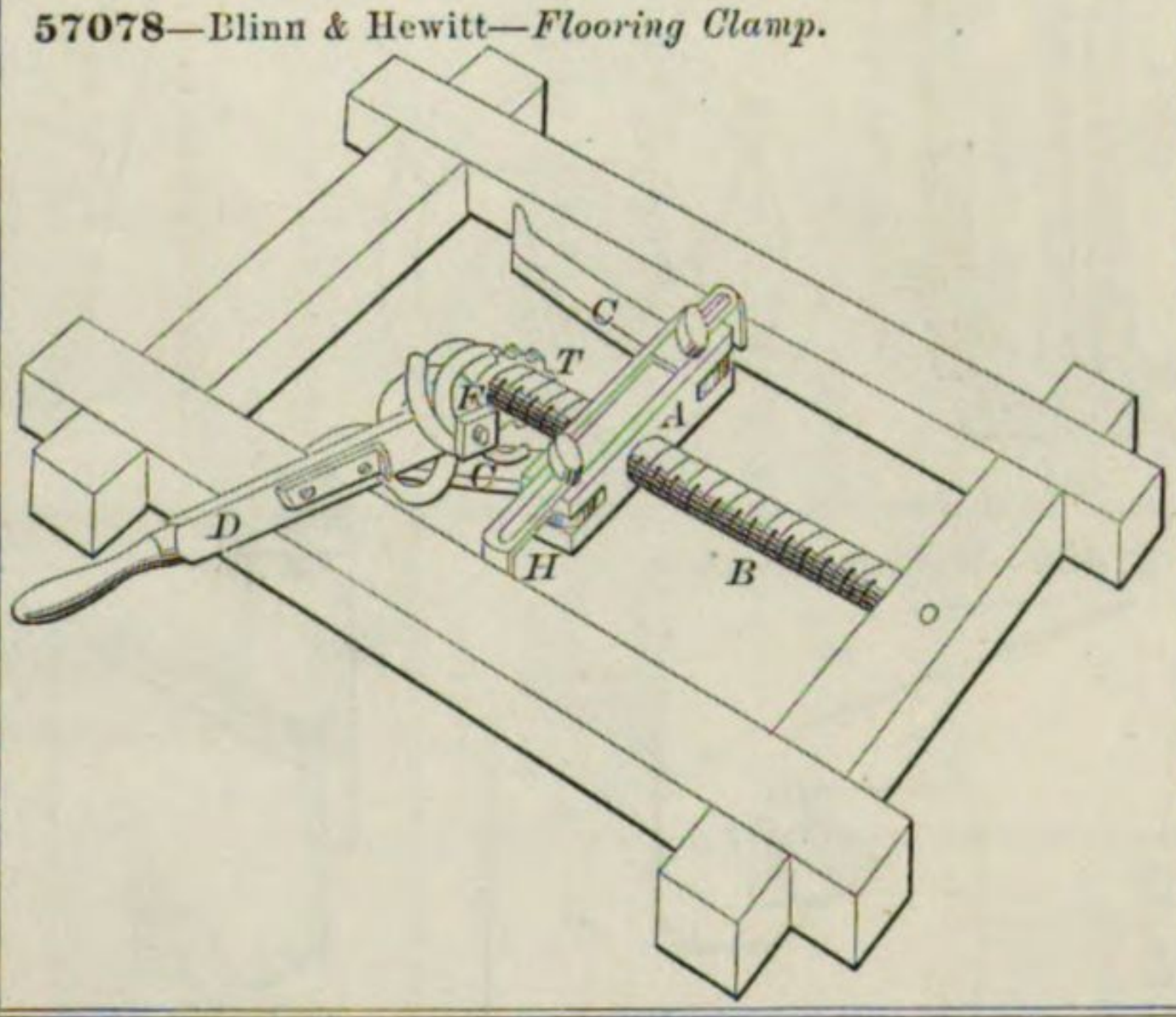
57077—C. Blakeslee—*Hoop Skirt Supporter.*



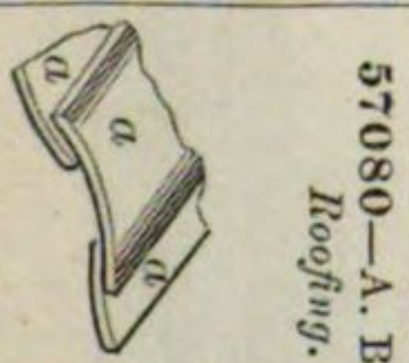
57076—E. S. Blake—*Hat Rack and Seat.*



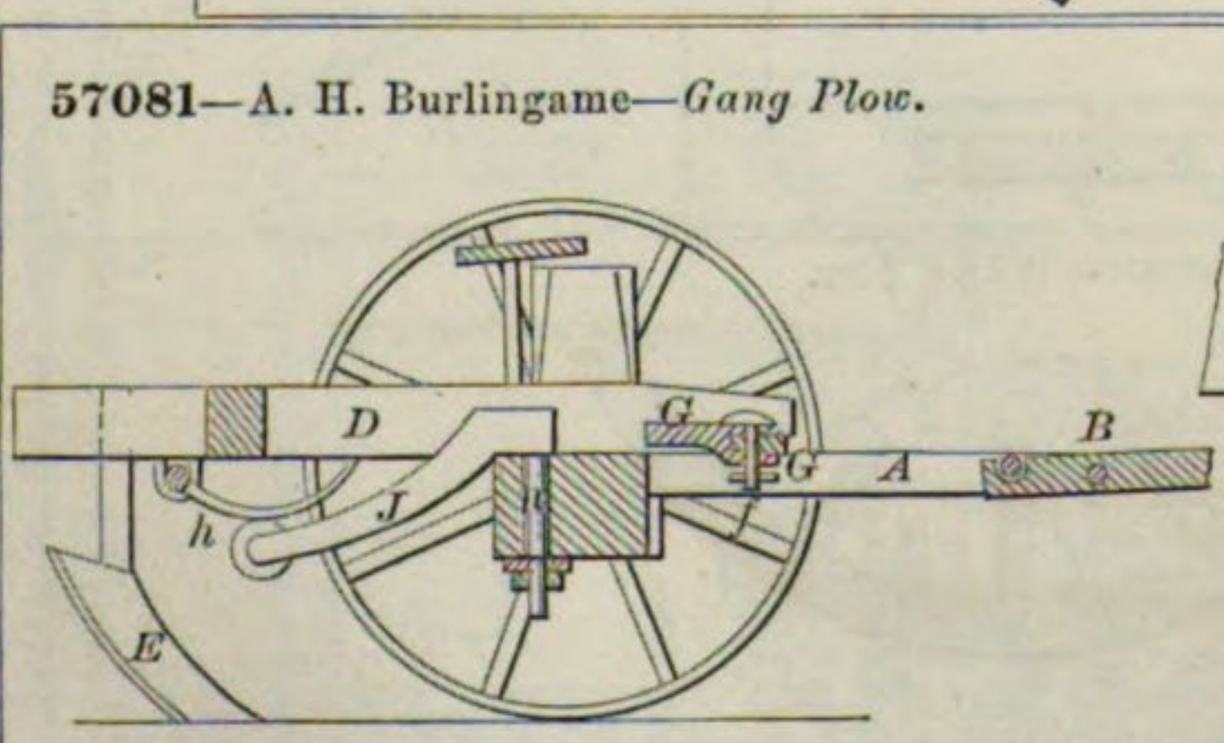
57078—Blinn & Hewitt—*Flooring Clamp.*

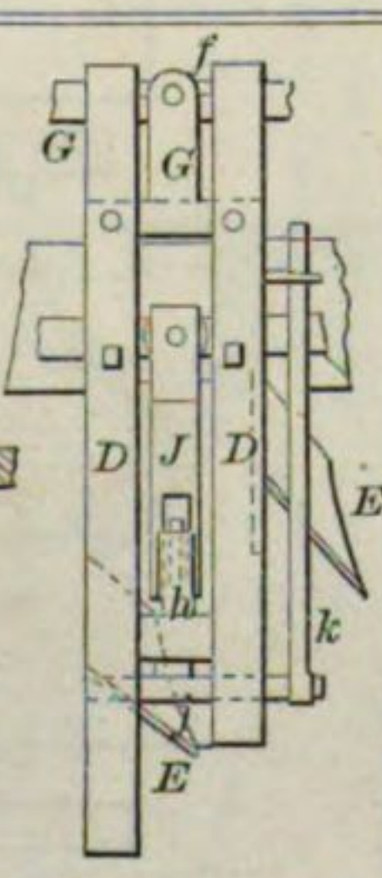


57080—A. Brisbane—*Roofing.*

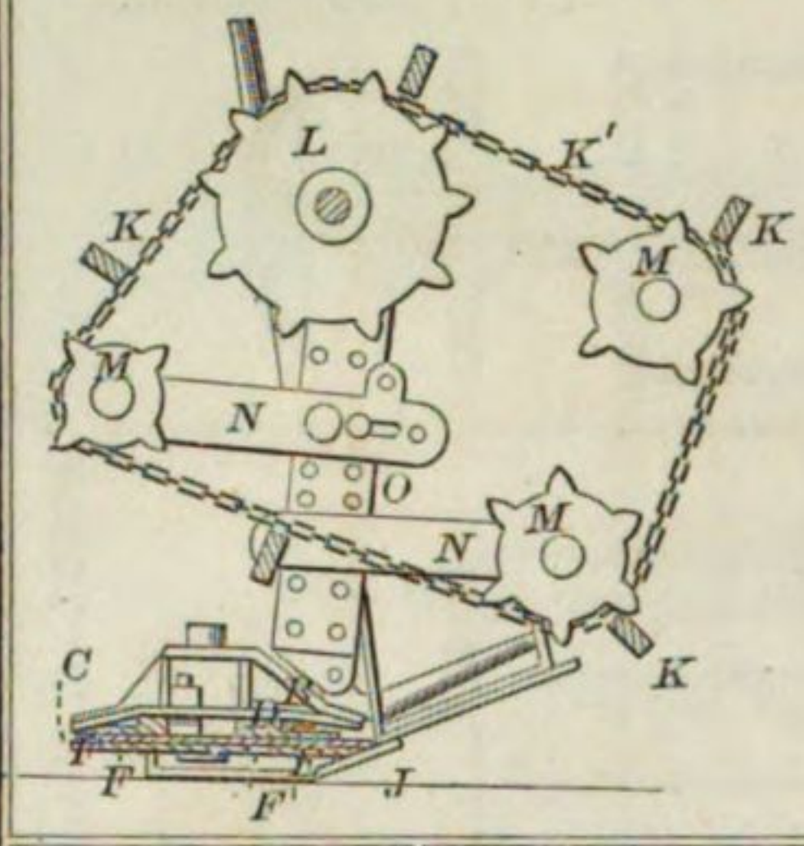


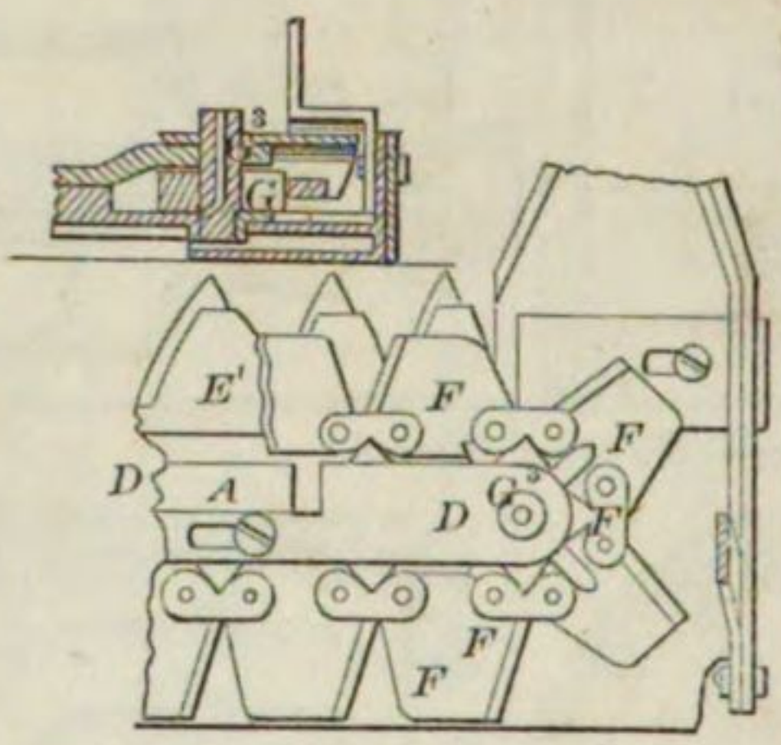
57081—A. H. Burlingame—*Gang Plow.*



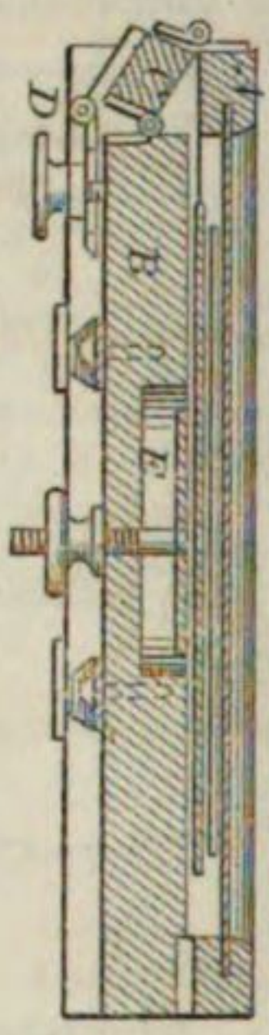


57082—C. Cadwell—*Harvester.*

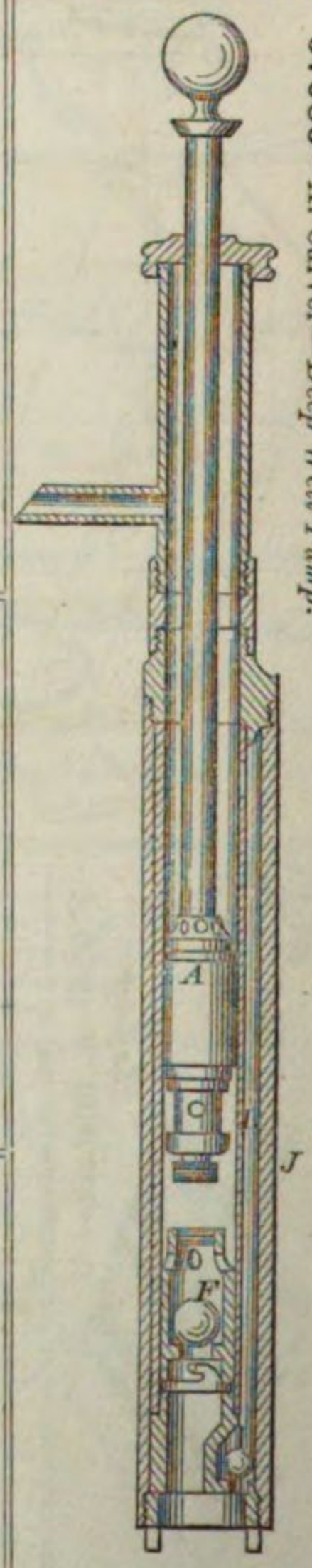




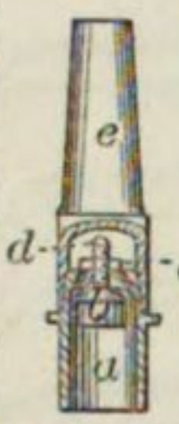
57083—J. W. Campbell—*Photographic Printing Frame.*



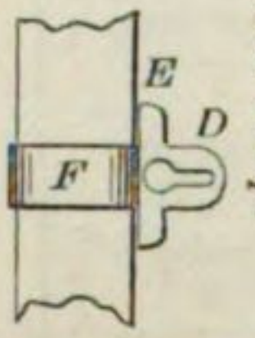
57086—A. Carver—*Deep Well Pump.*



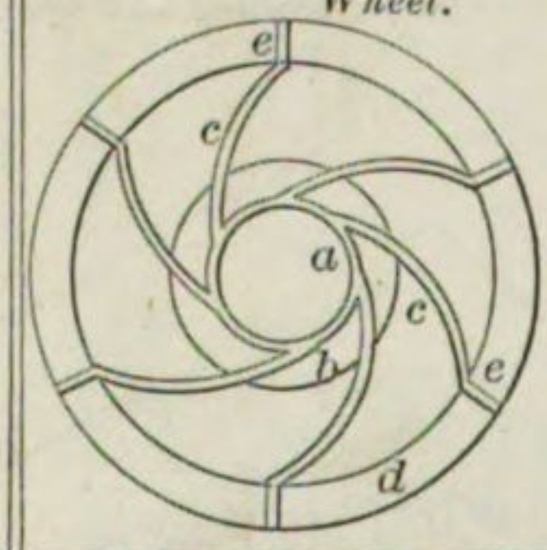
57087—W. Clark—*Gas Burner Regulator.*



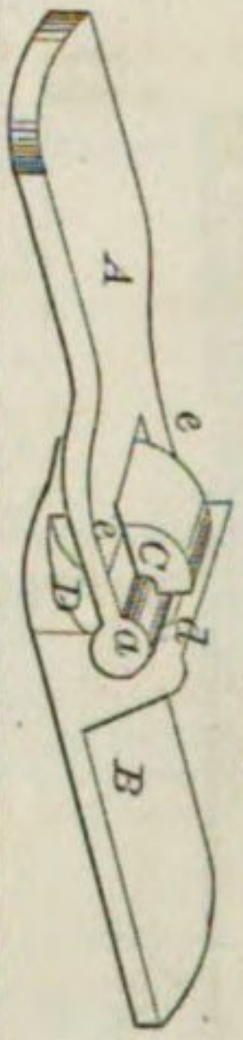
57085—J. W. Carter—*Corset Clasp.*



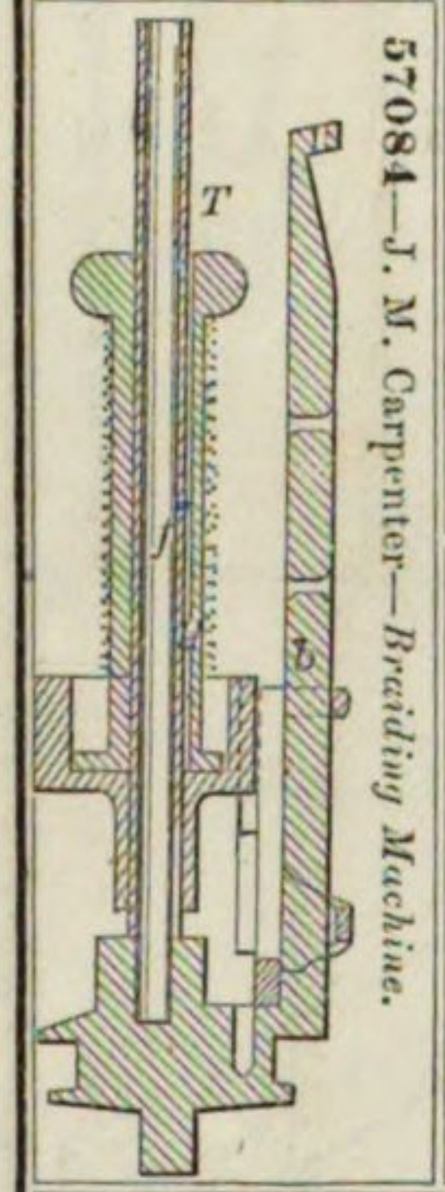
57089—W. R. Close—*Water Wheel.*



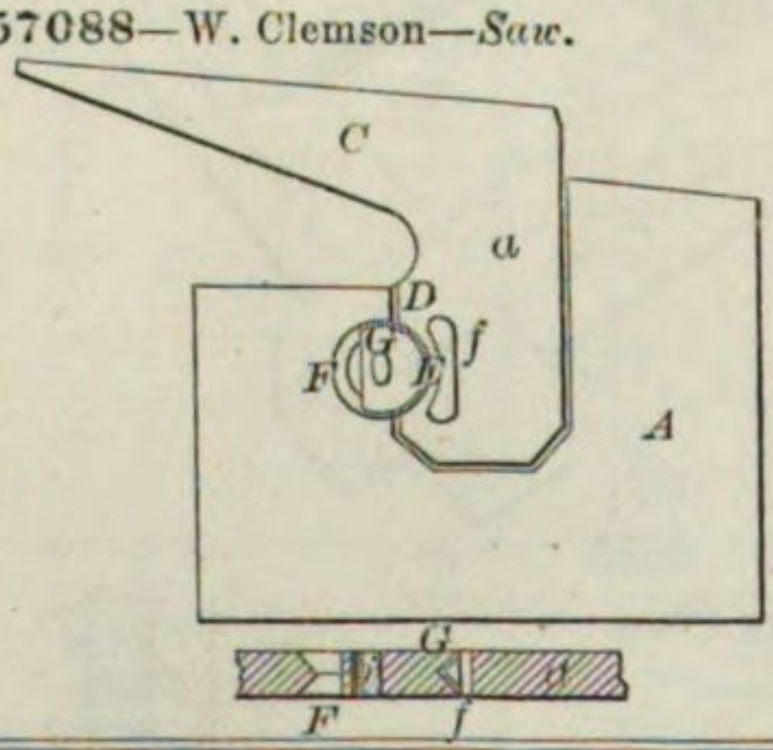
57090—G. E. Clow—*Thill Coupling.*



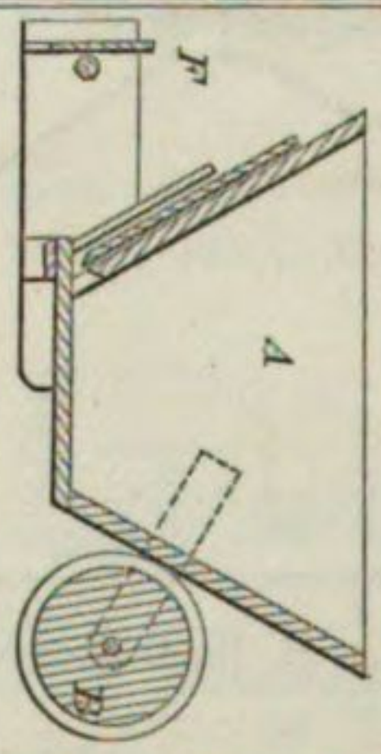
57084—J. M. Carpenter—*Braiding Machine.*



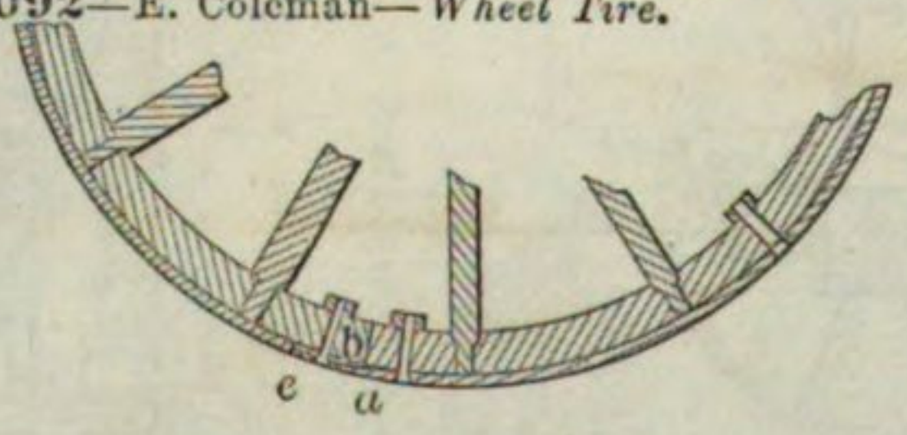
57088—W. Clemson—*Saw.*

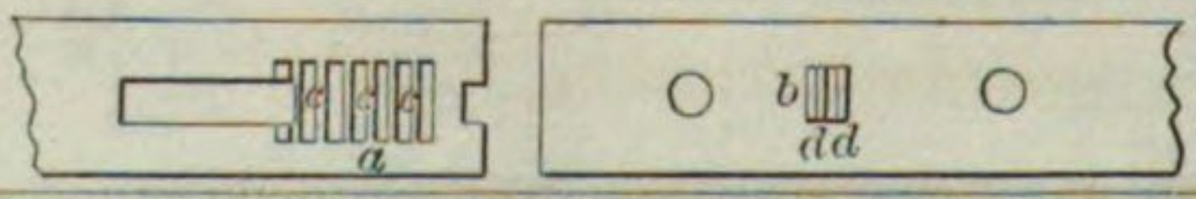


57091—W. R. Coe—*For Spreading Mastic Roofing.*

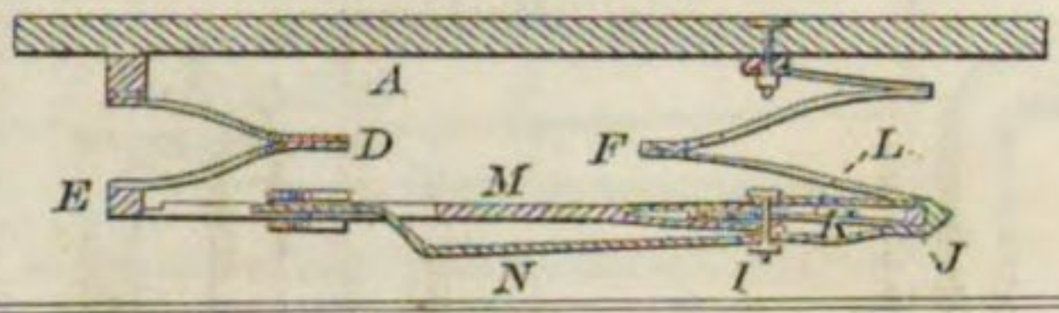


57092—E. Coleman—*Wheel Tire.*

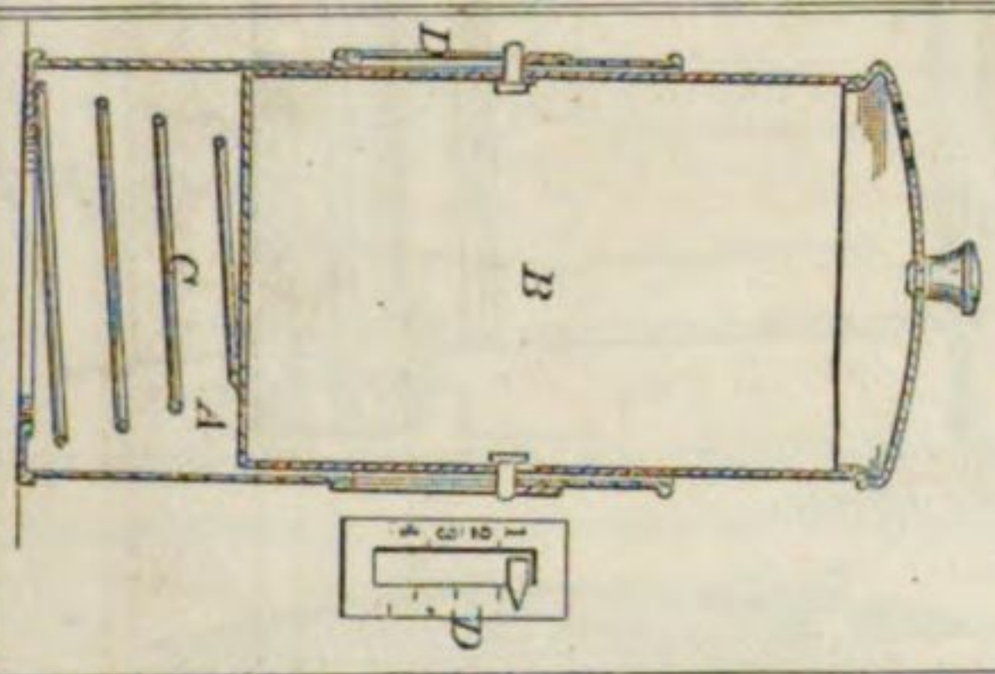




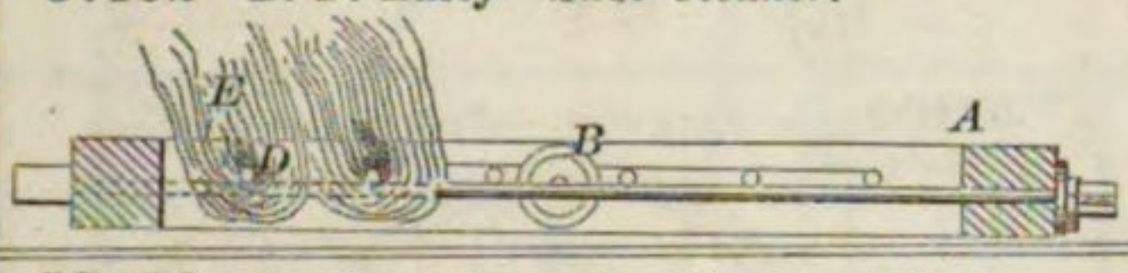
57094—F. Crick—*Running Gear of Carriages.*



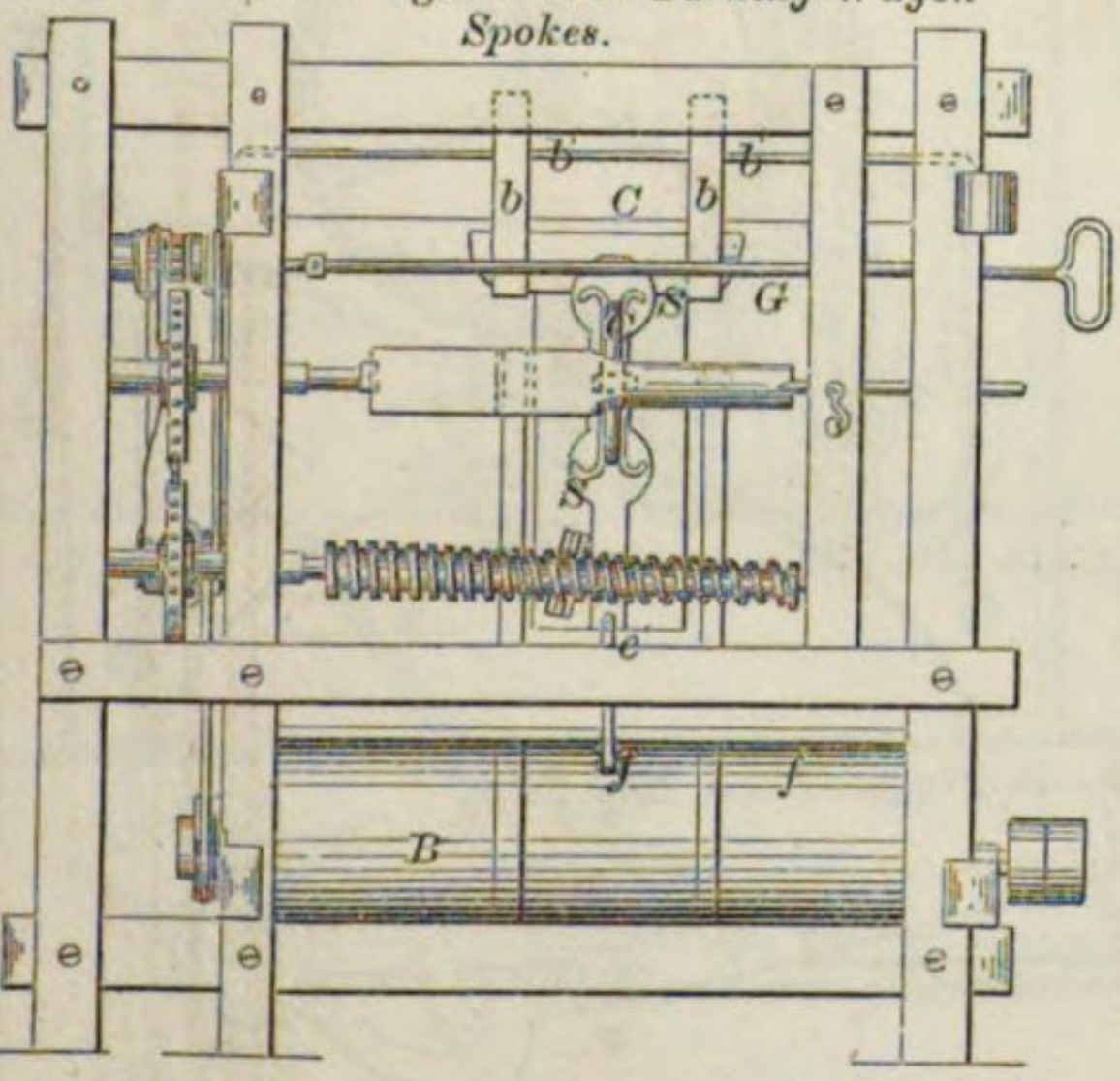
57097—J. Dailey—*Liquid Measure.*



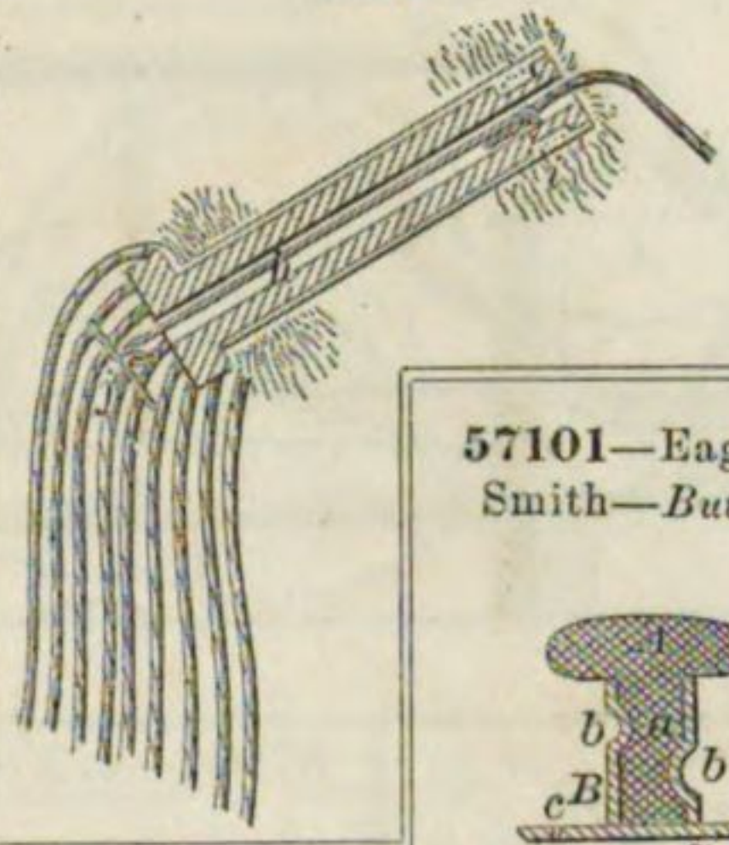
57102—B. F. Early—*Shoe Cleaner.*



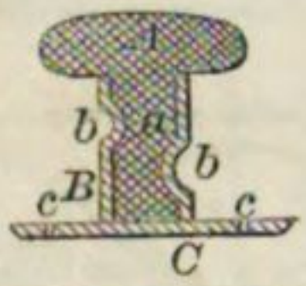
57099—T. Derington—*For Turning Wagon Spokes.*



57096—W. R. P. Cross—*Curtain Fixture.*

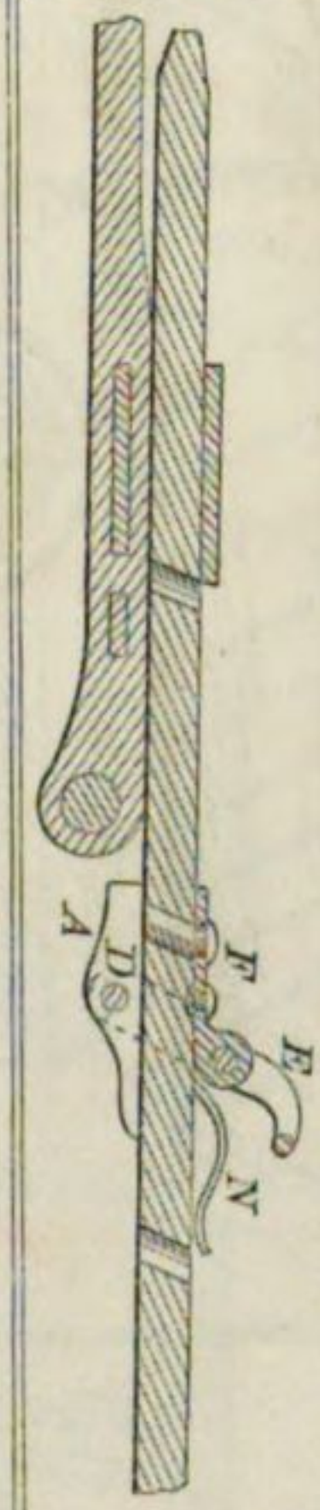


57101—Eagle & Smith—*Button.*

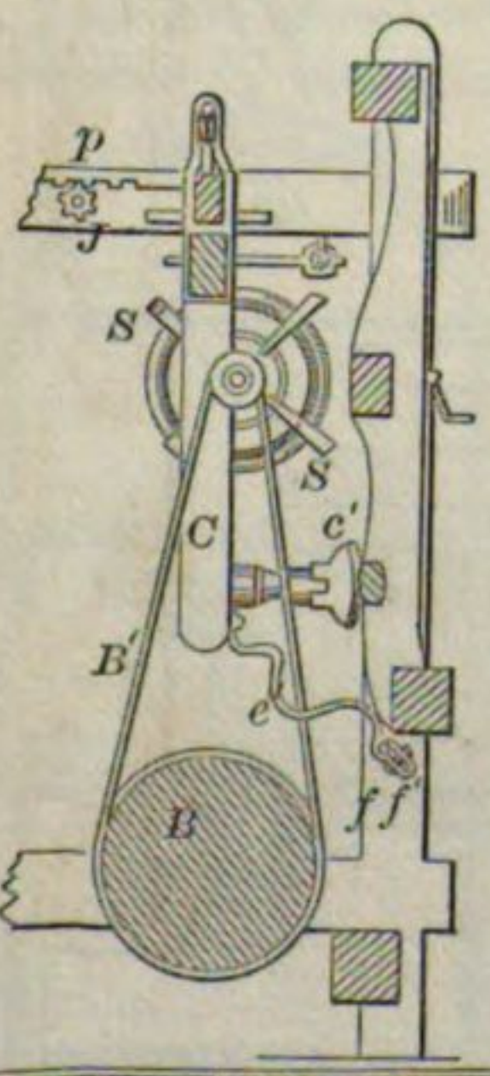


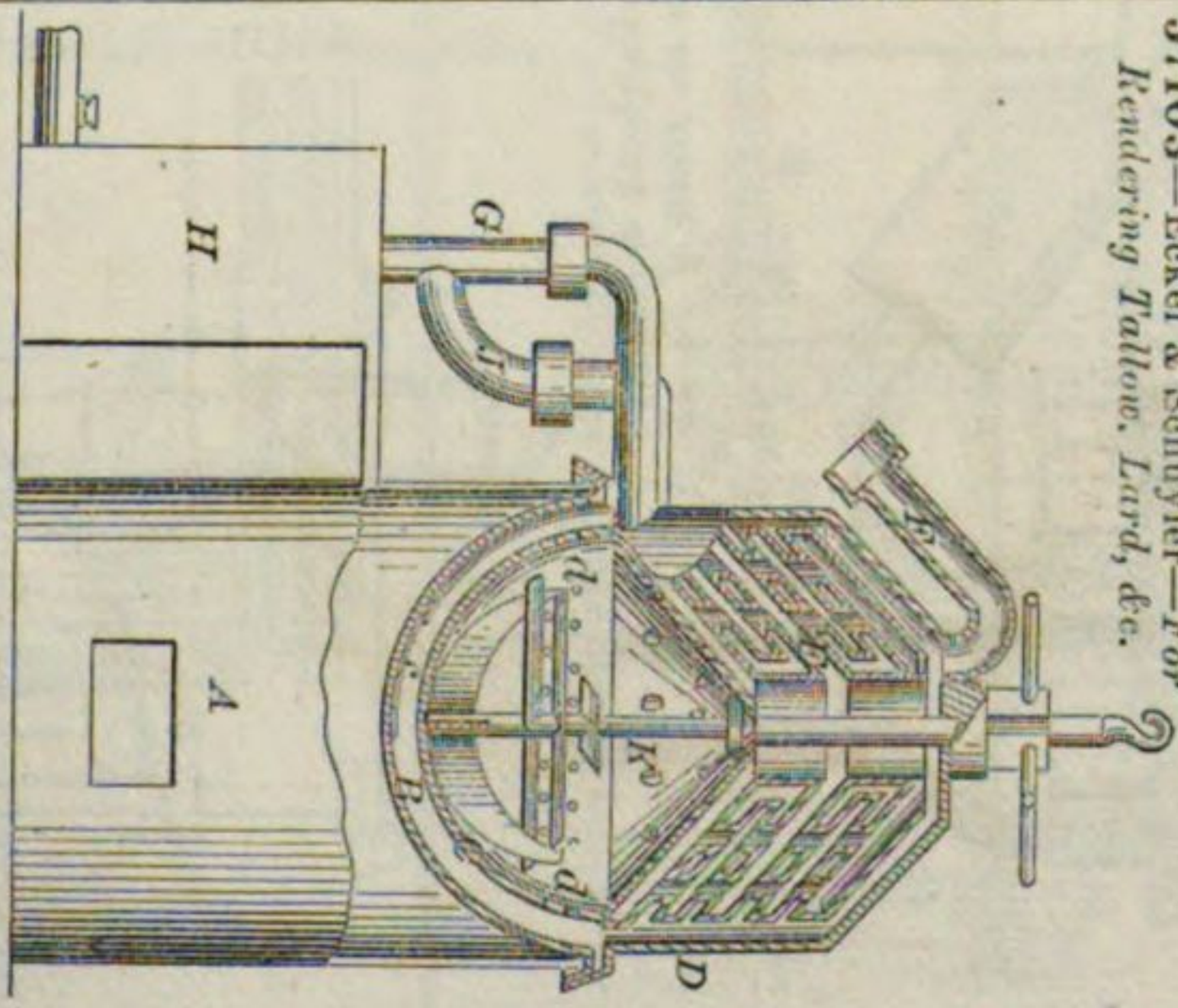
57100—L. Dorman—*Carriage Axle and Journal.*

57098—J. Wesley—*Trace Buckle.*

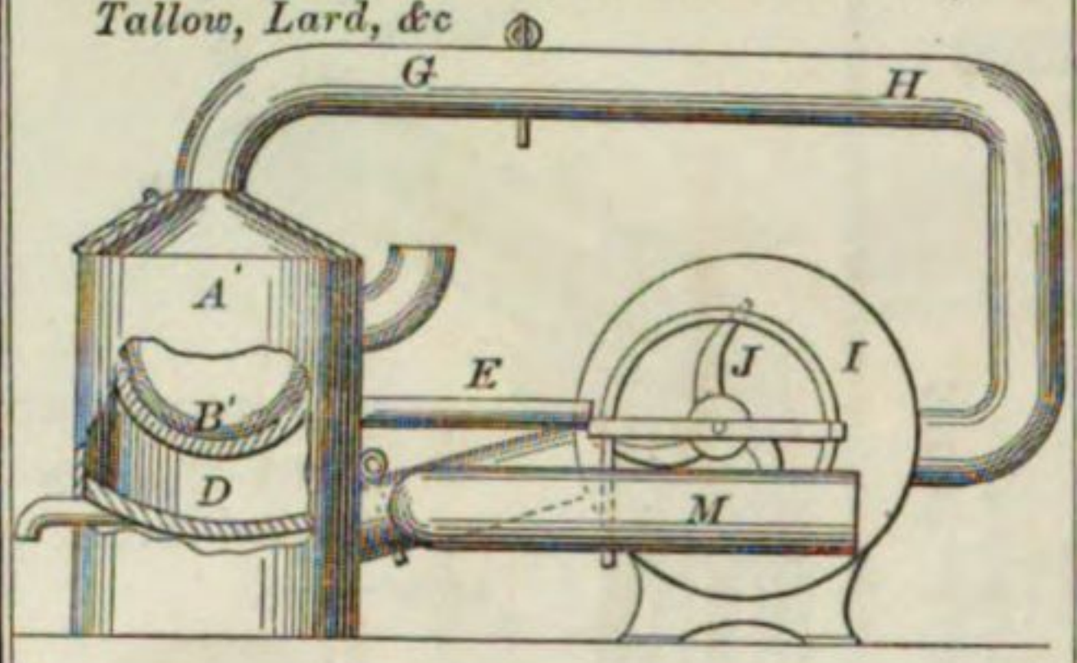


57103—Eckel & Schuyler—*For Rendering Tallow, Lard, &c.*

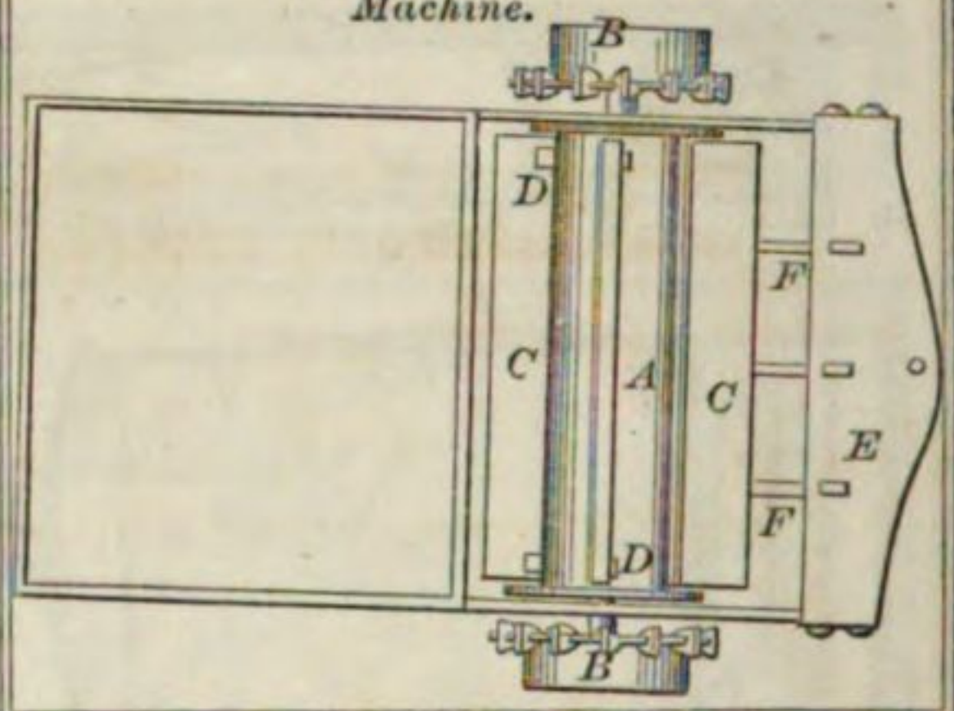




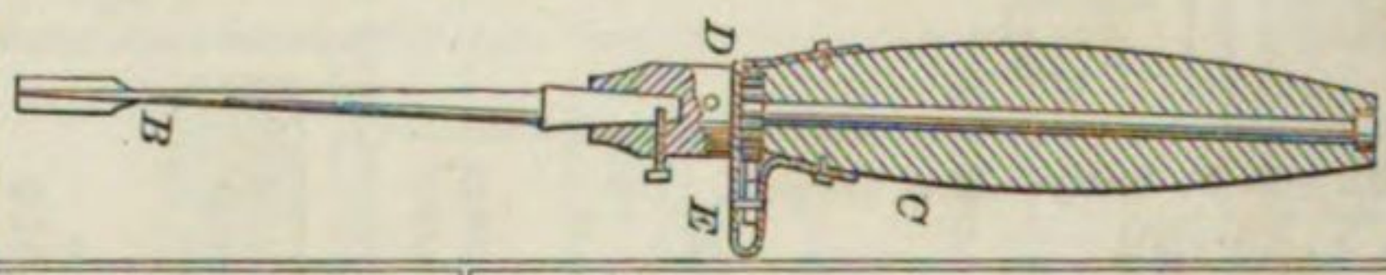
57104—Eckel & Schuyler—*For Rendering Tallow, Lard, &c*



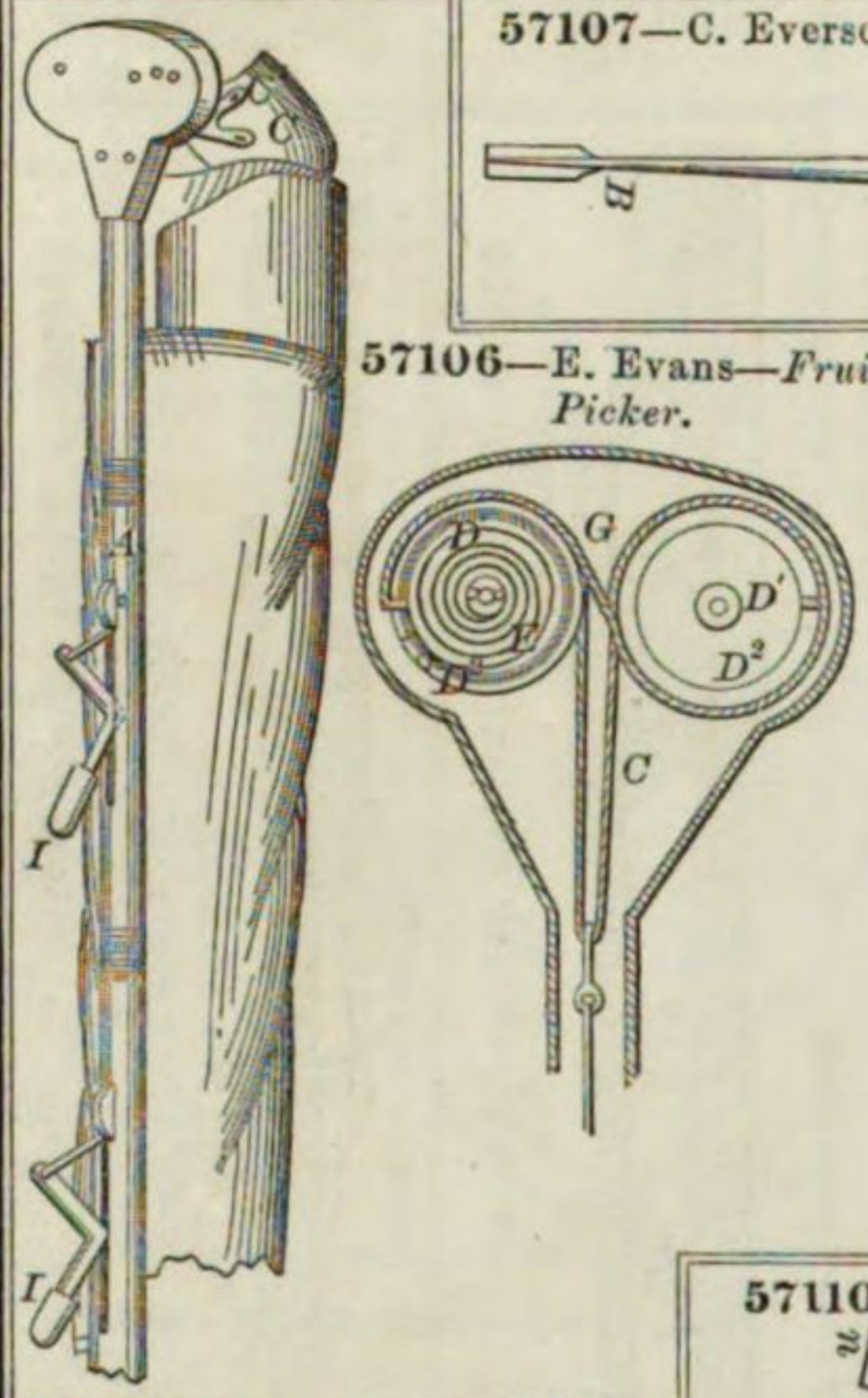
57105—R. H. Emerson—*Turf Cutting Machine.*



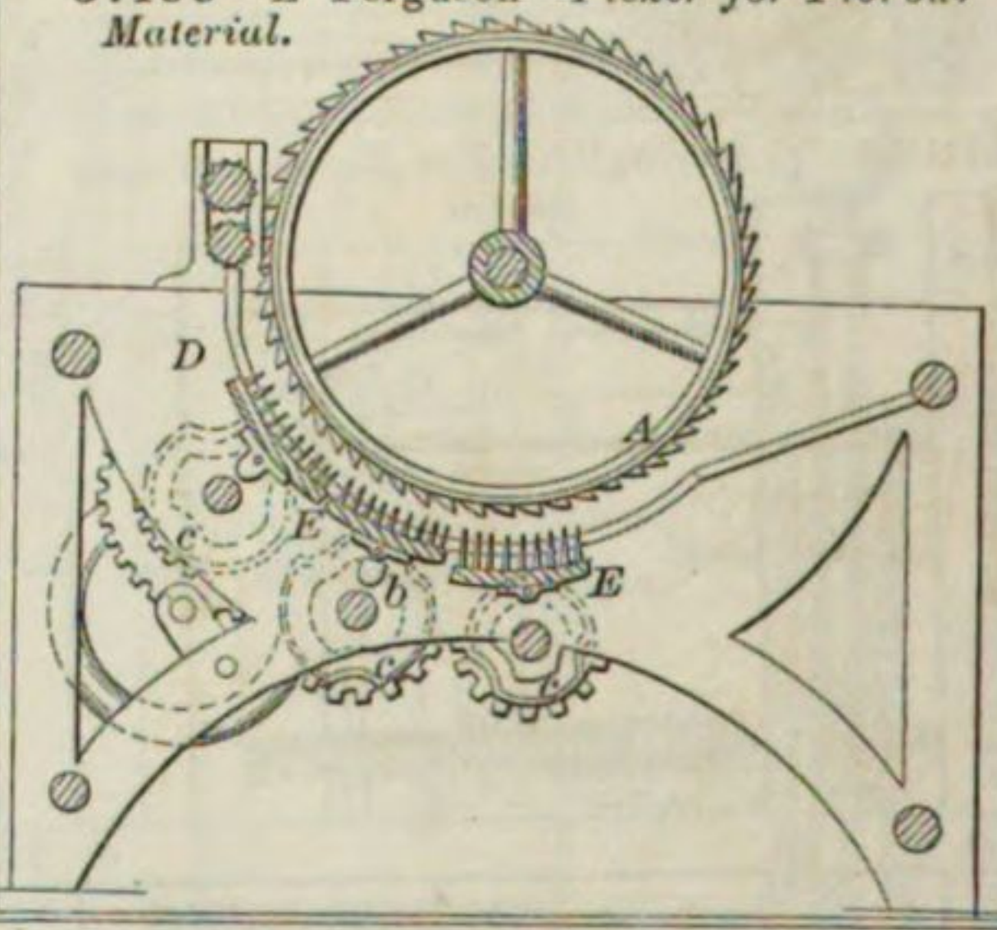
57107—C. Eversol—*Screw Driver.*



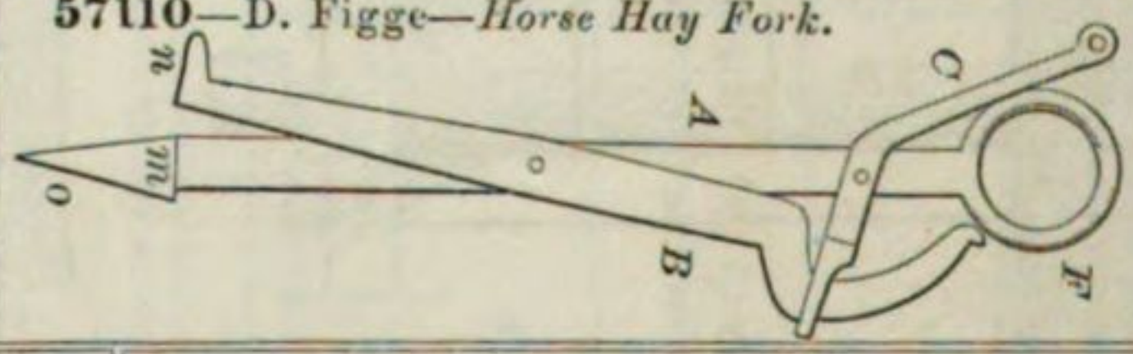
57106—E. Evans—*Fruit Picker.*



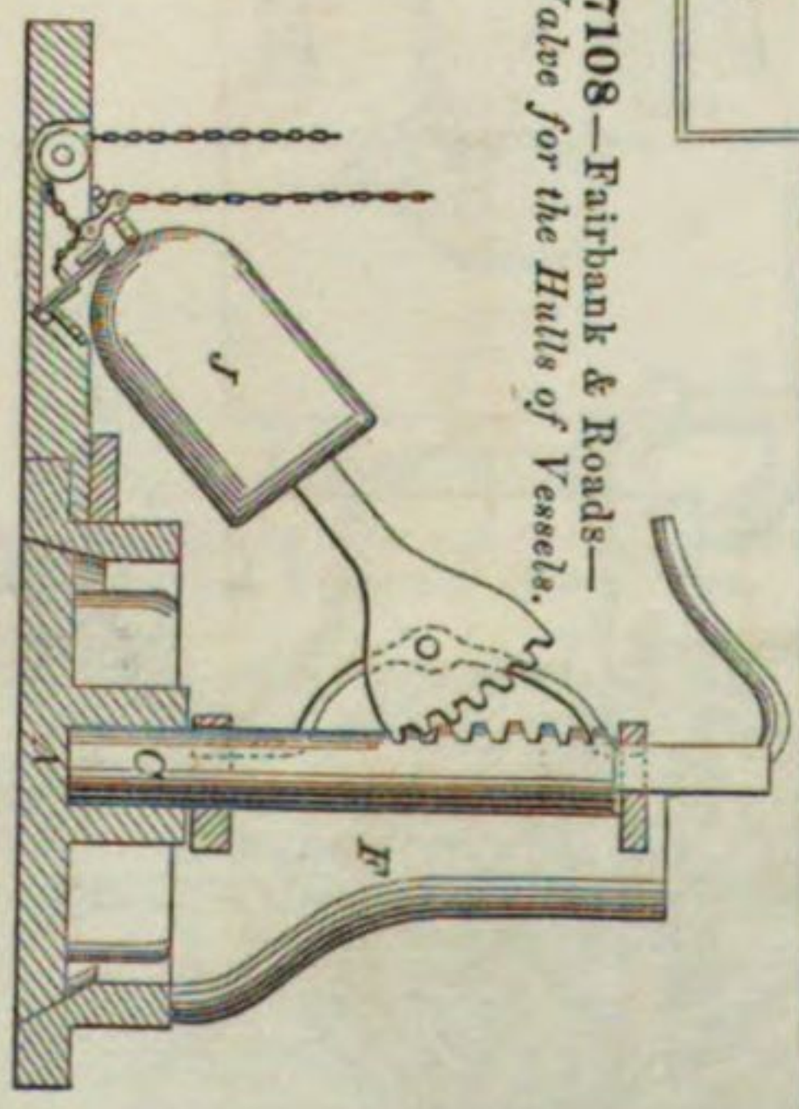
57109—L Ferguson—*Picker for Fibrous Material.*



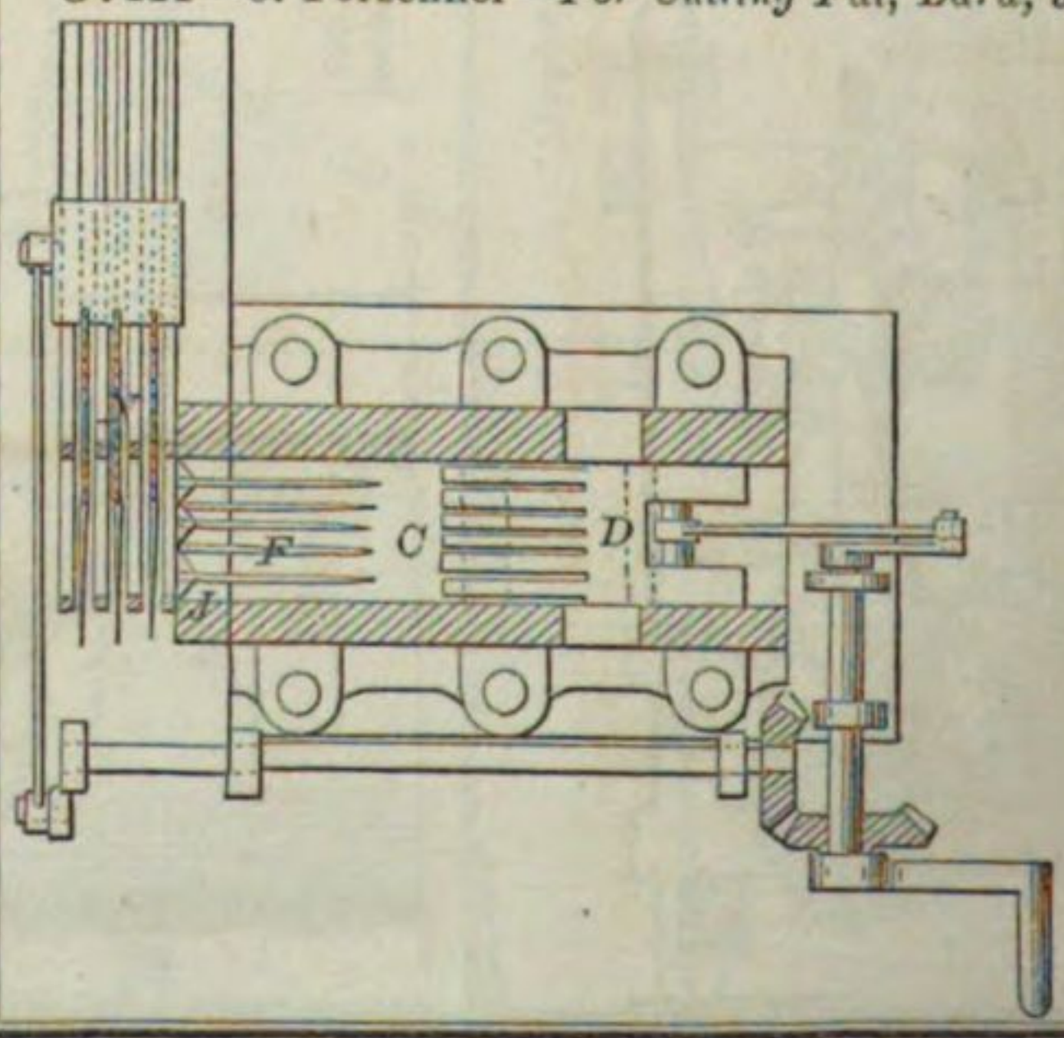
57110—D. Figge—*Horse Hay Fork.*



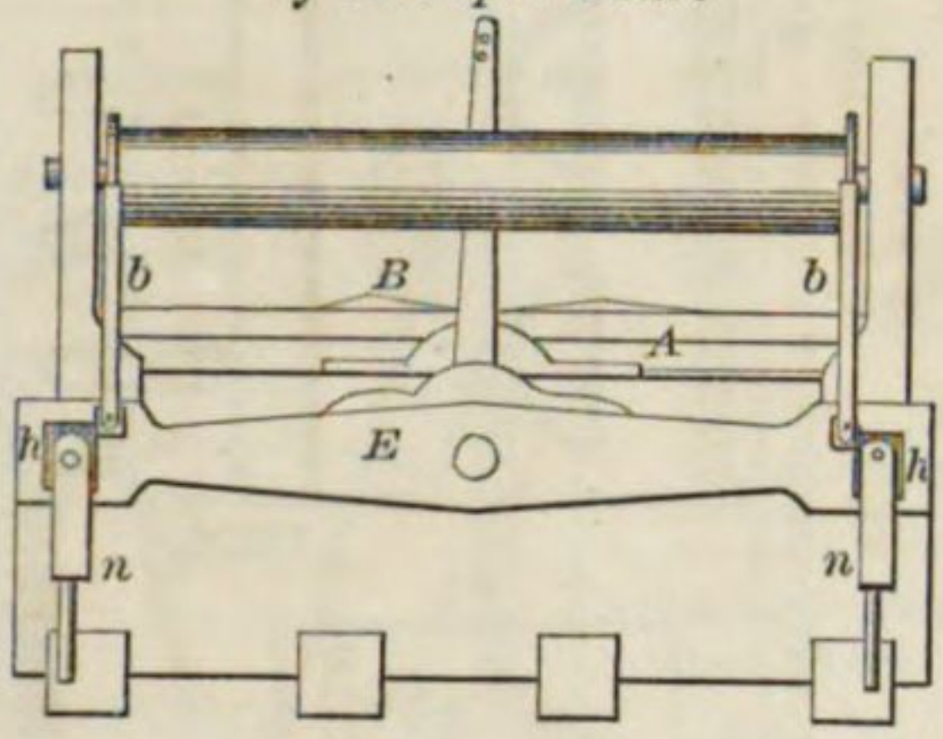
57108—Fairbank & Roads—*Valve for the Hulls of Vessels.*



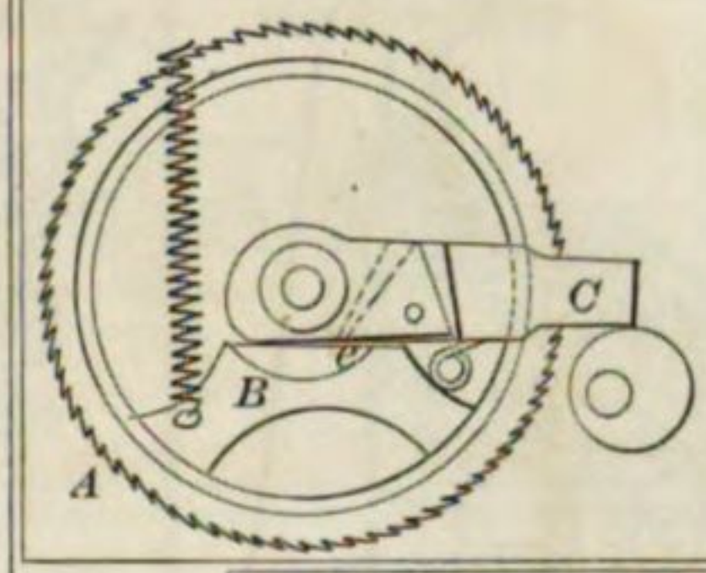
57111—C. Forschner—*For Cutting Fat, Lard, &c.*



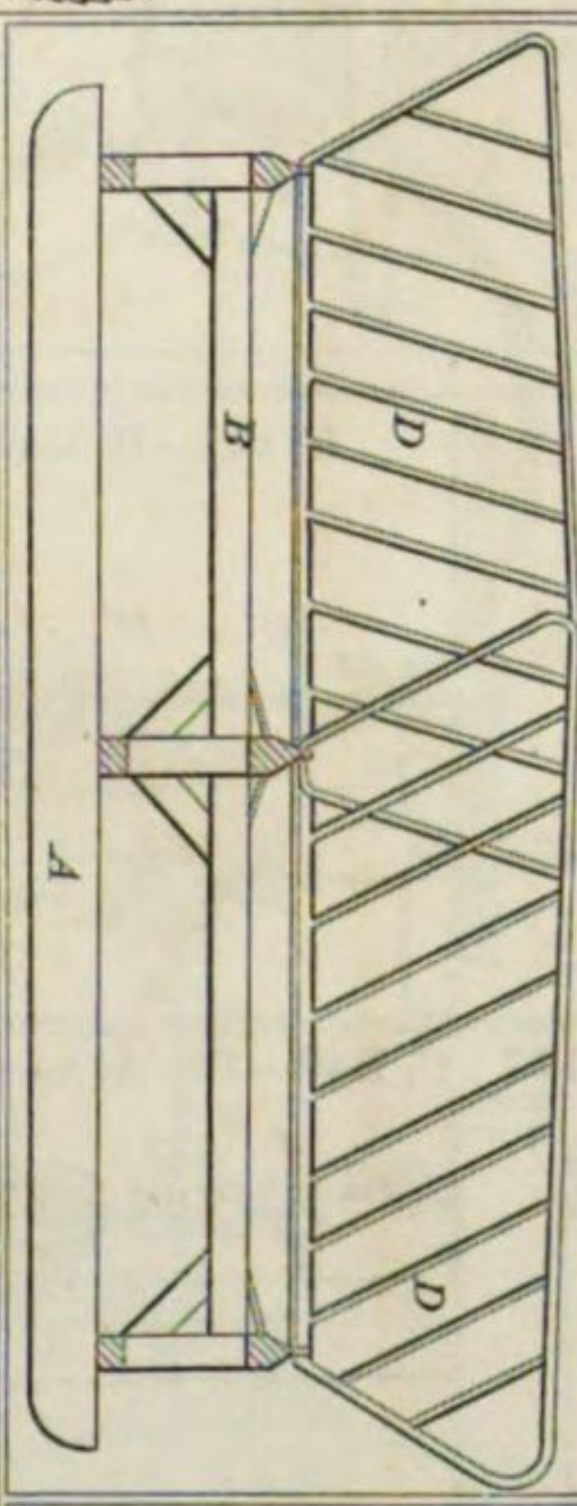
57112—C. Foster—*Transmitting Power by Means of Cars upon Rails.*



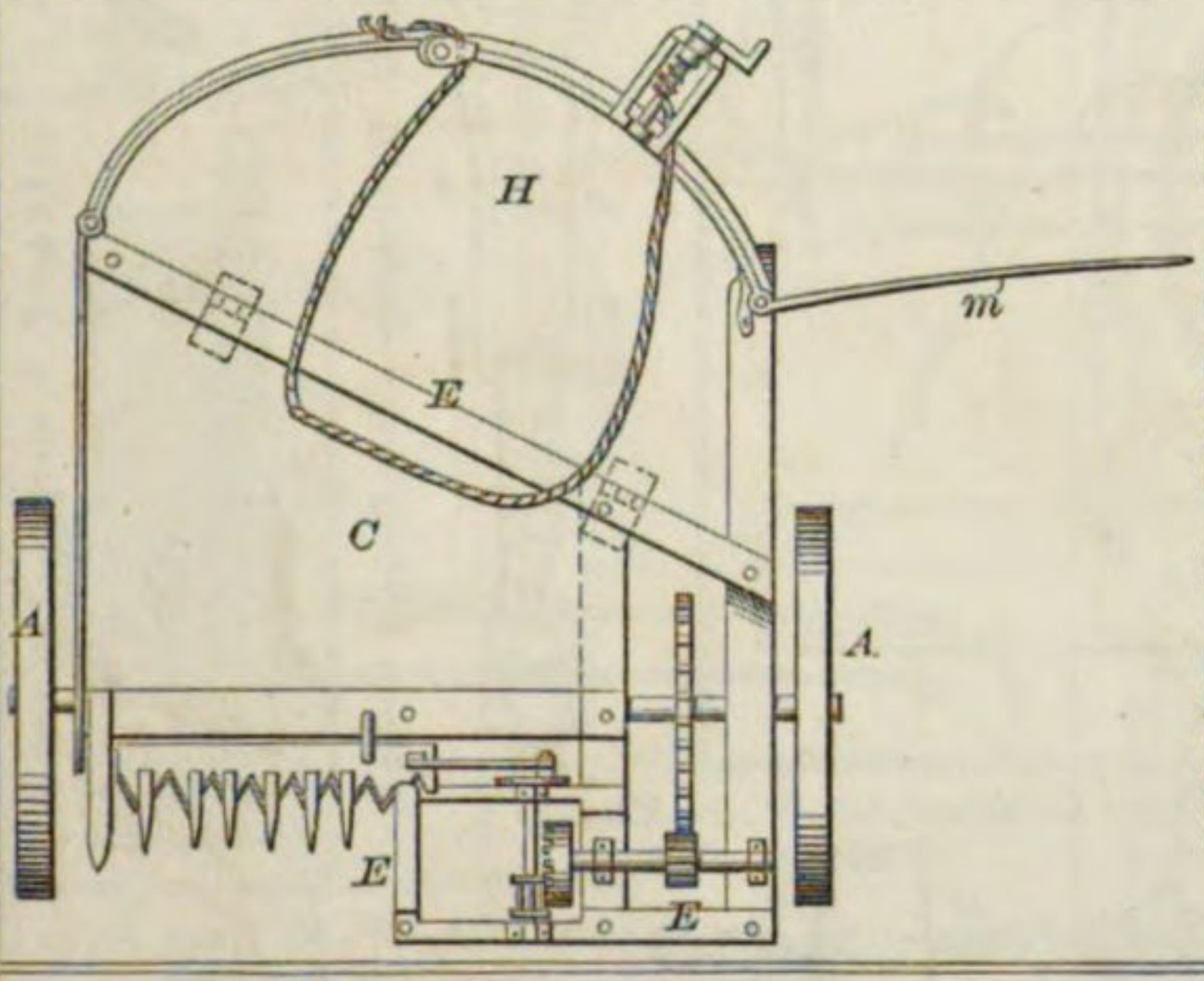
57116—A. Galleth—*Sewing Machine.*



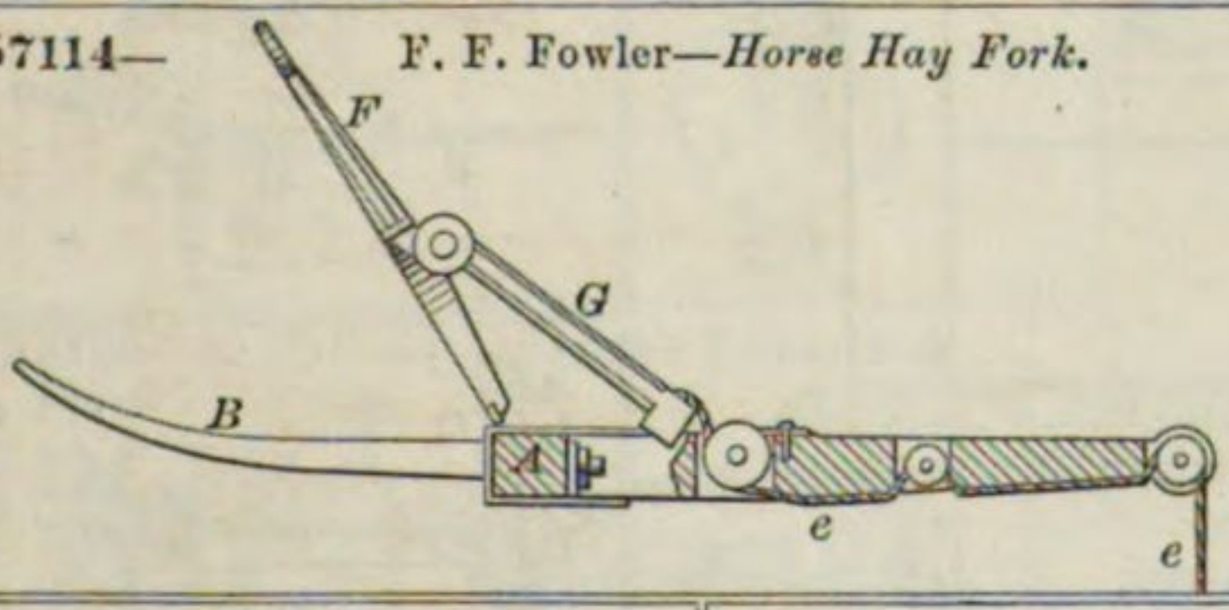
57115—F. F. Fowler—*Stack Bottom and Feed Rack.*



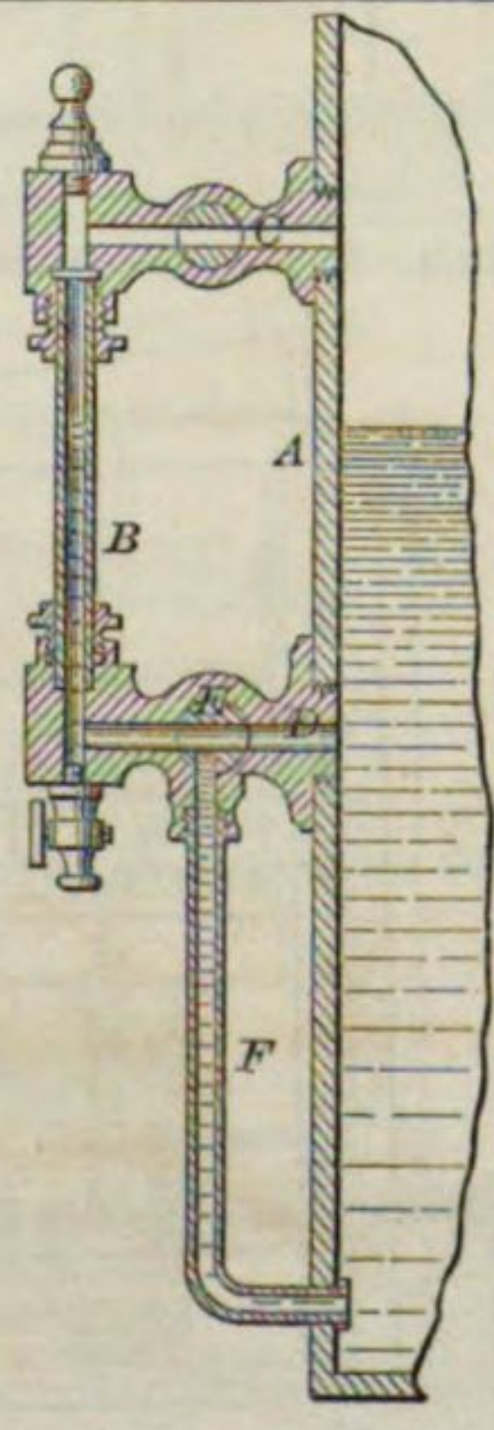
57113—F. F. Fowler—*Corn Harvester.*



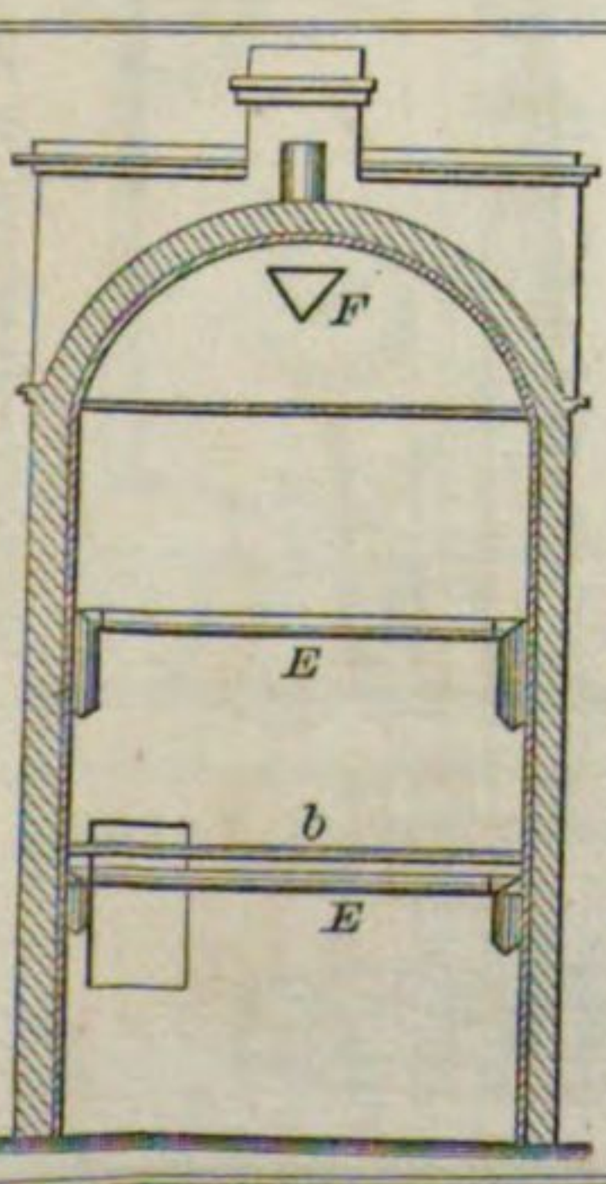
57114— F. F. Fowler—*Horse Hay Fork.*



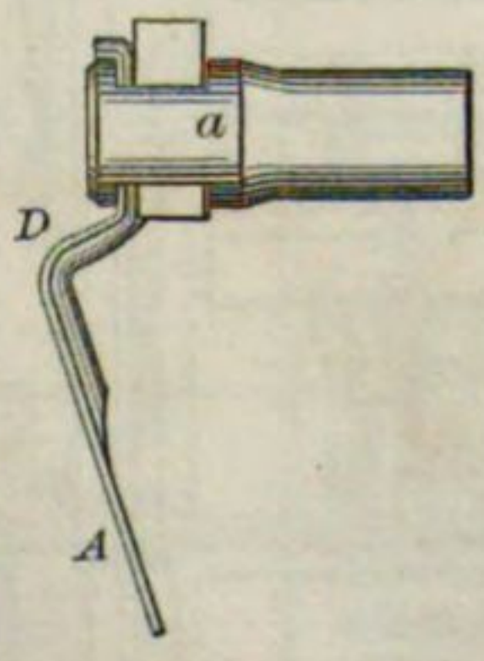
57118—G. M. Githens—*Water Gauge.*



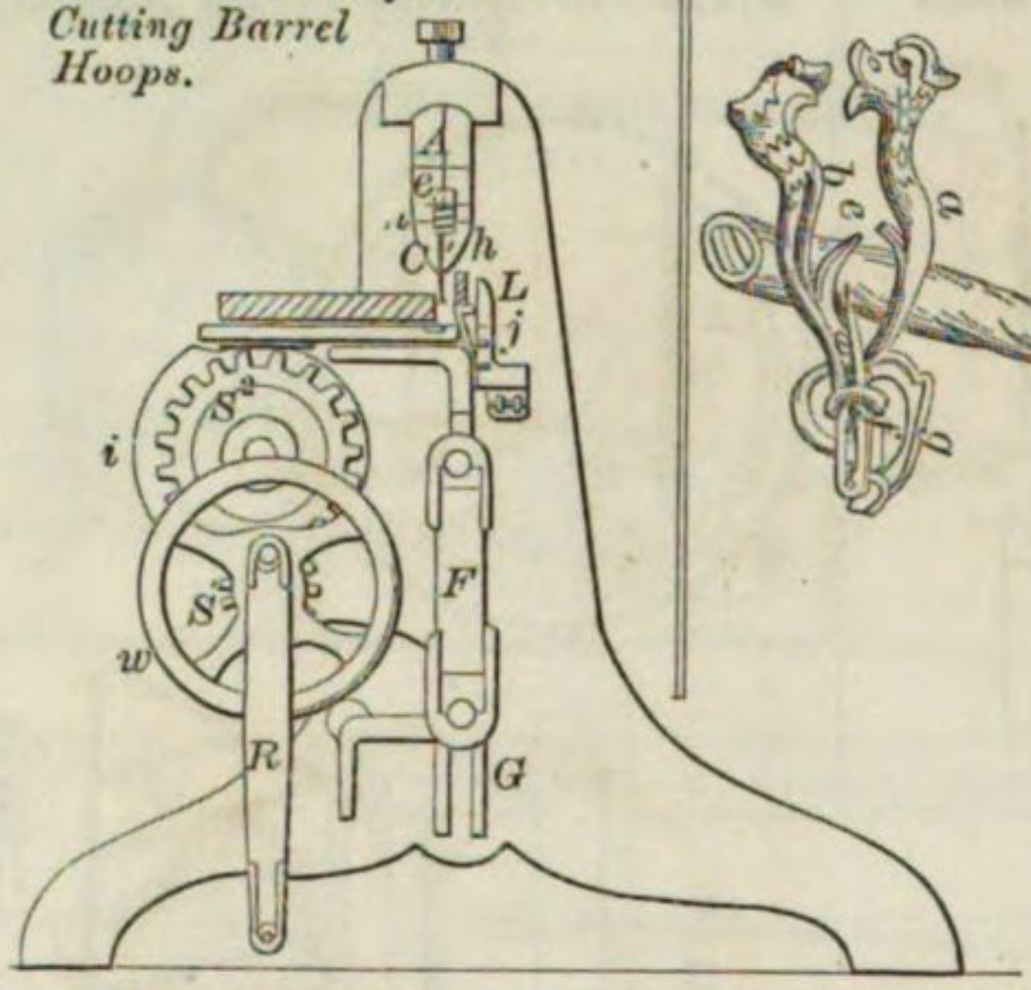
57117—Gallup & Wood—*Drying House.*



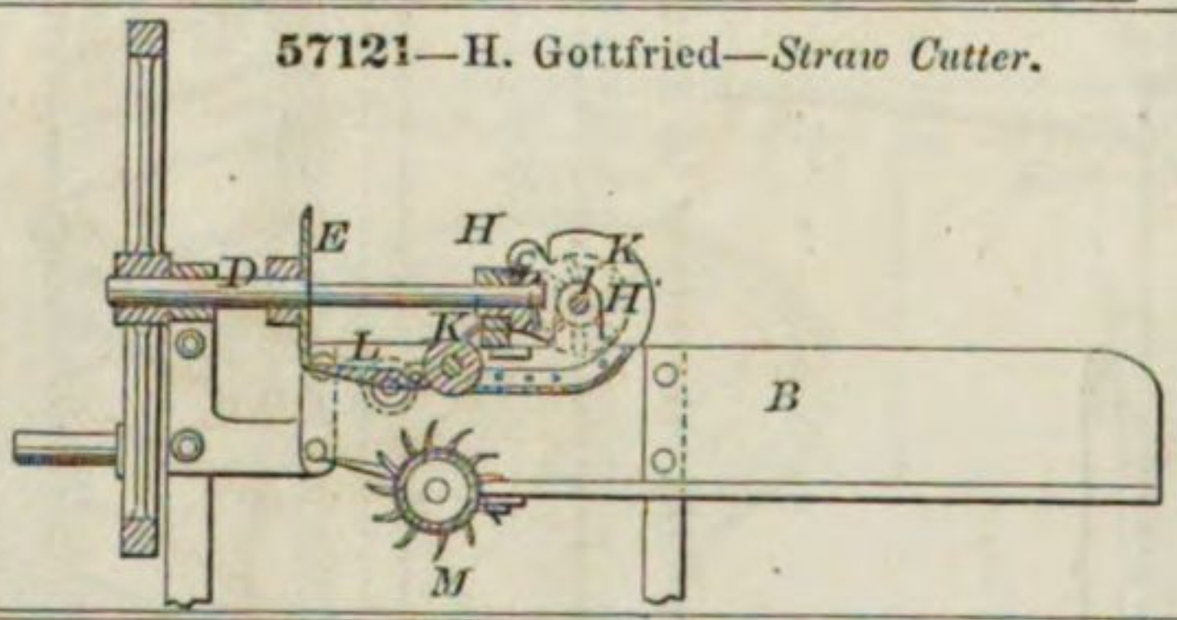
57119—J. Glasson—*Hoe.*



57120—A. Goodyear—*For Cutting Barrel Hoops.*

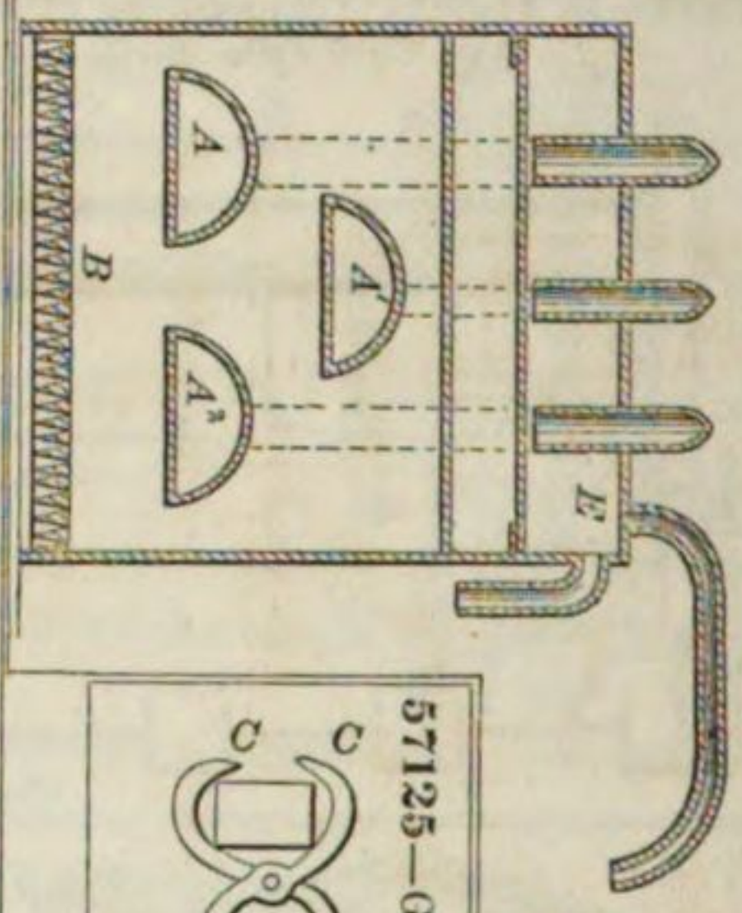


57121—H. Gottfried—*Straw Cutter.*

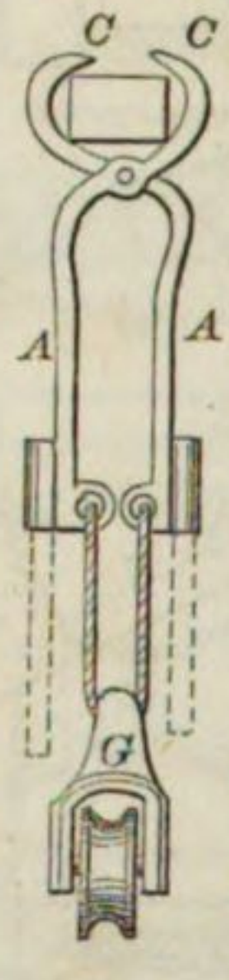


57126—Gschwind & Grether—*Cigar and Hat Hook.*

57123—H. D. Green—*Illuminating Gas.*

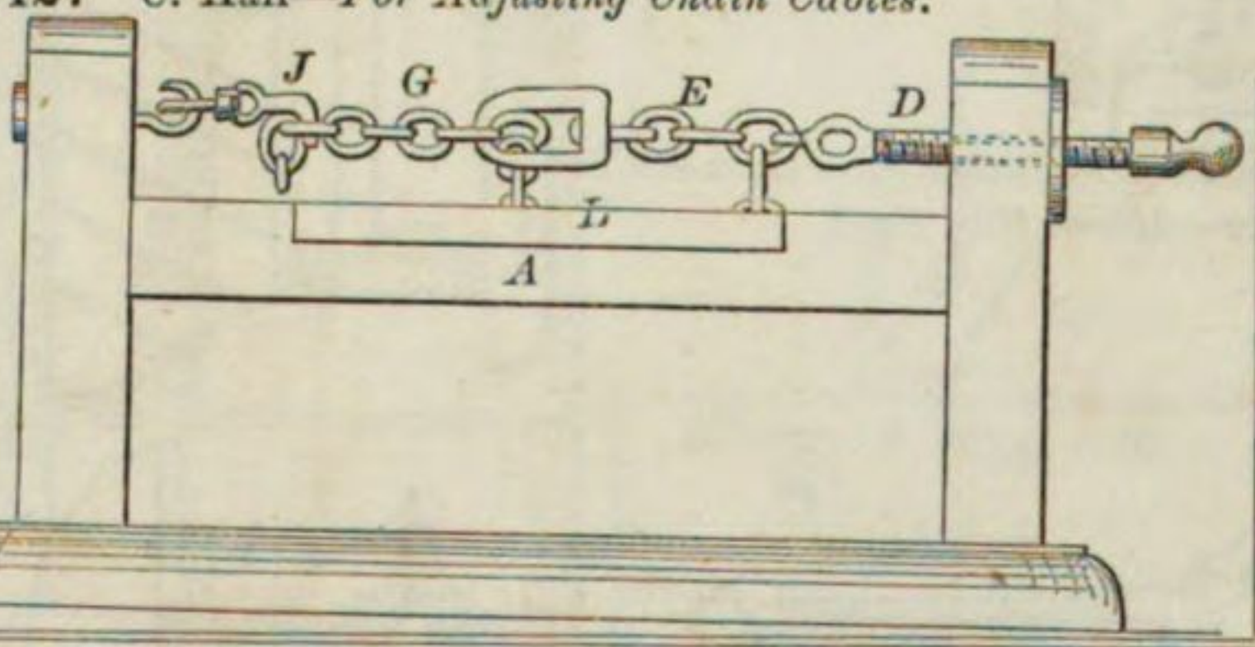


57125—G. W. Gregory—*For Raising Weights.*

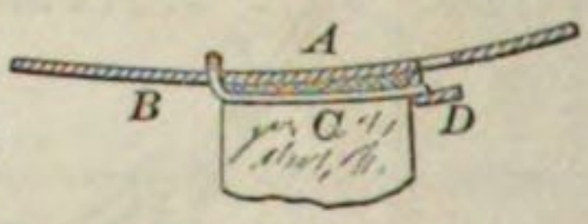


57124—F. S. Gregg—*Tap and Die.*

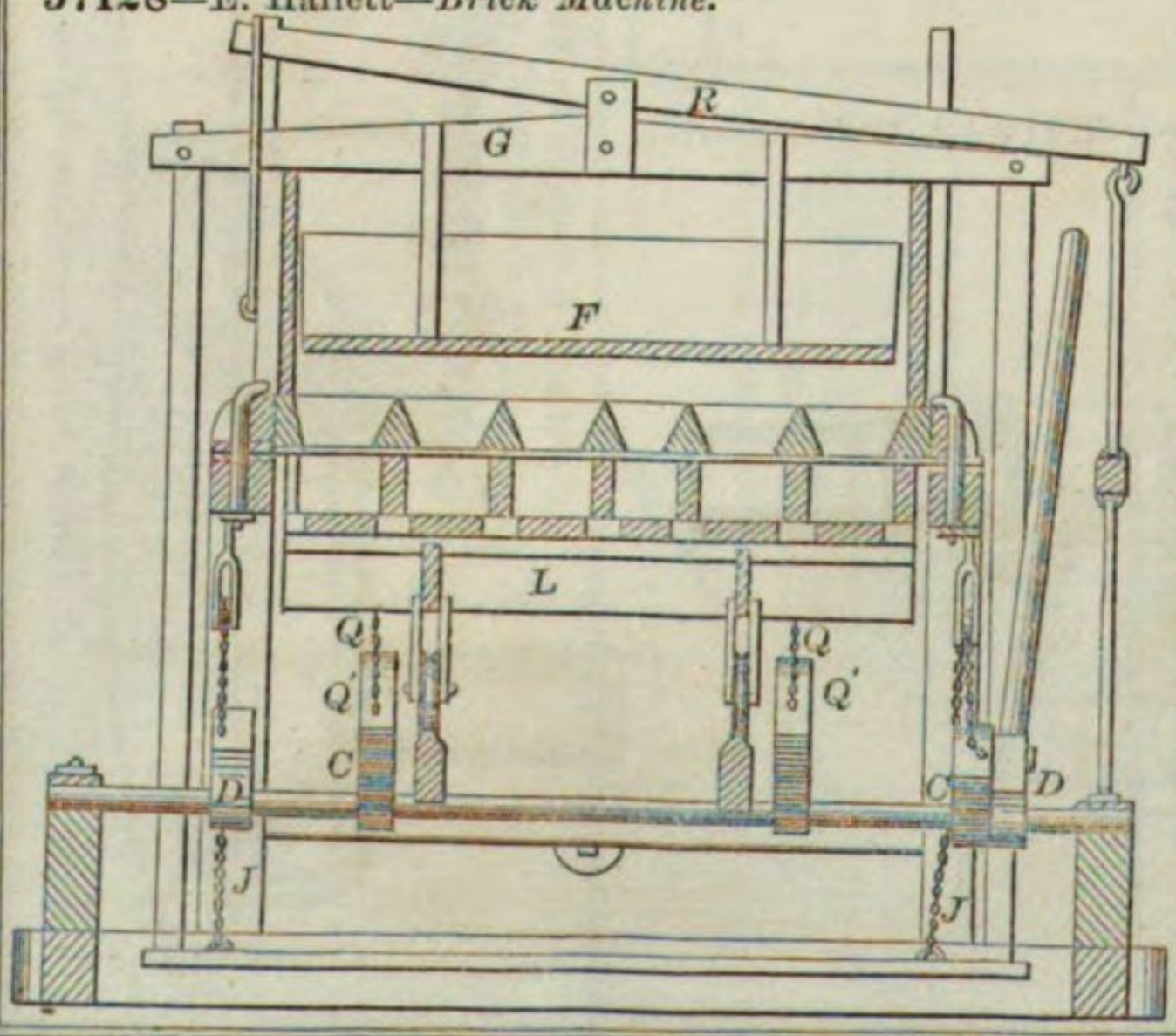
57127 C. Hall—*For Adjusting Chain Cables.*



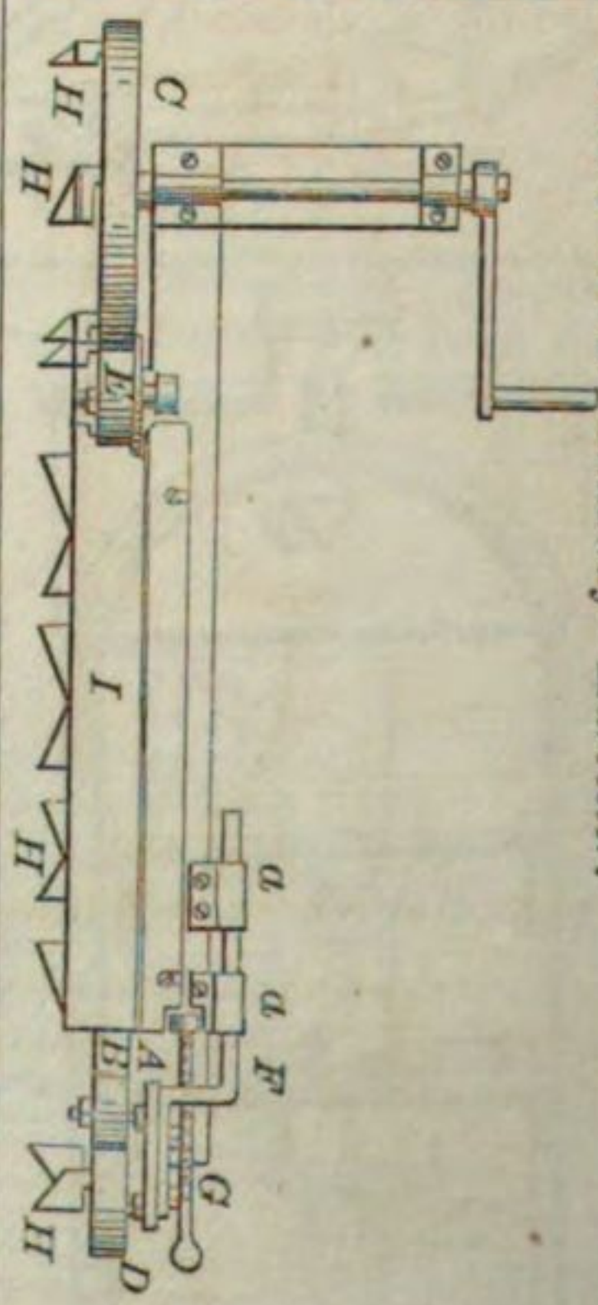
57129—W. H. Hart, Jr.—*Neck Tie Supporter.*



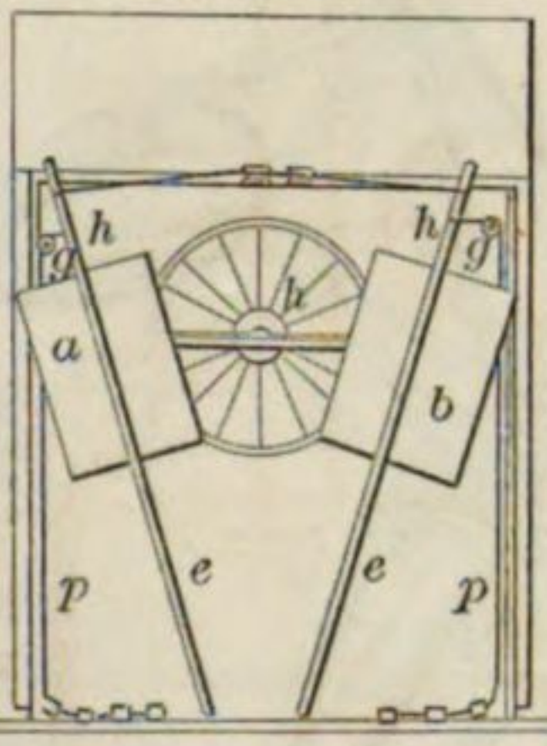
57128—E. Hallett—*Brick Machine.*



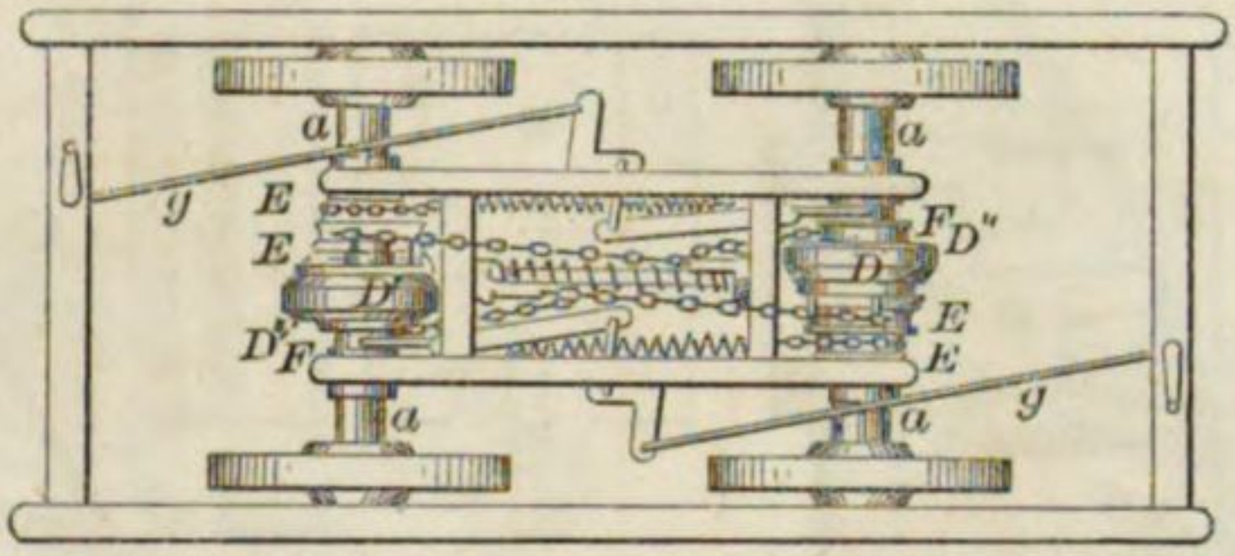
57130—M. P. Hathaway—*Harvester.*



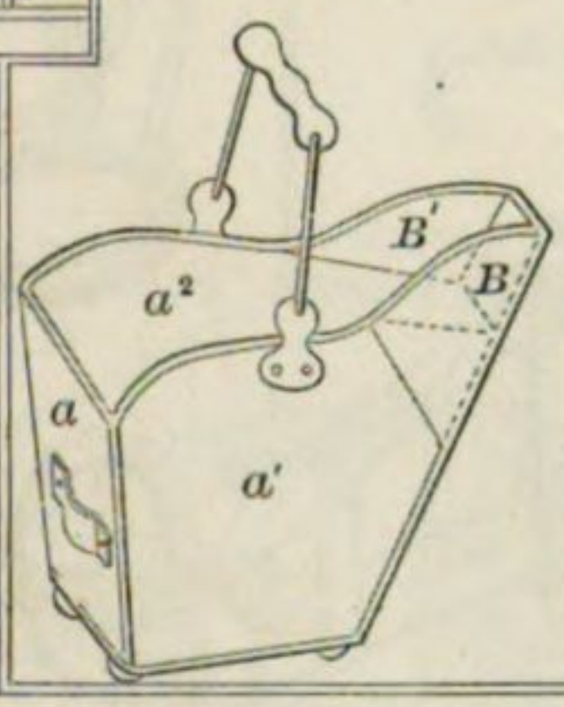
57131—J. H. Heyser—*Wind Mill.*



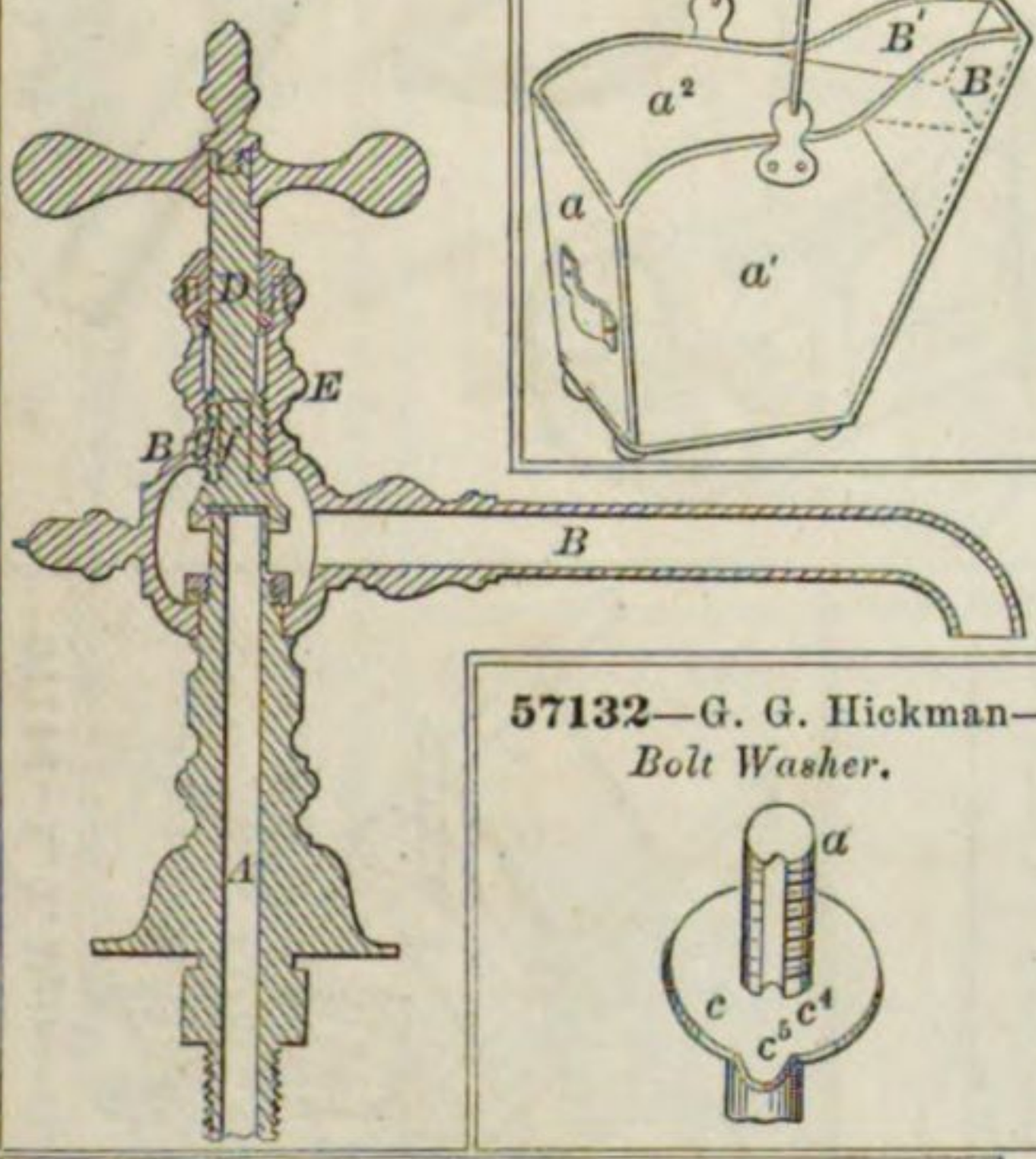
57133—A. Higley—*Car Brake.*



57137—J. Holden—*Coal Scuttle.*

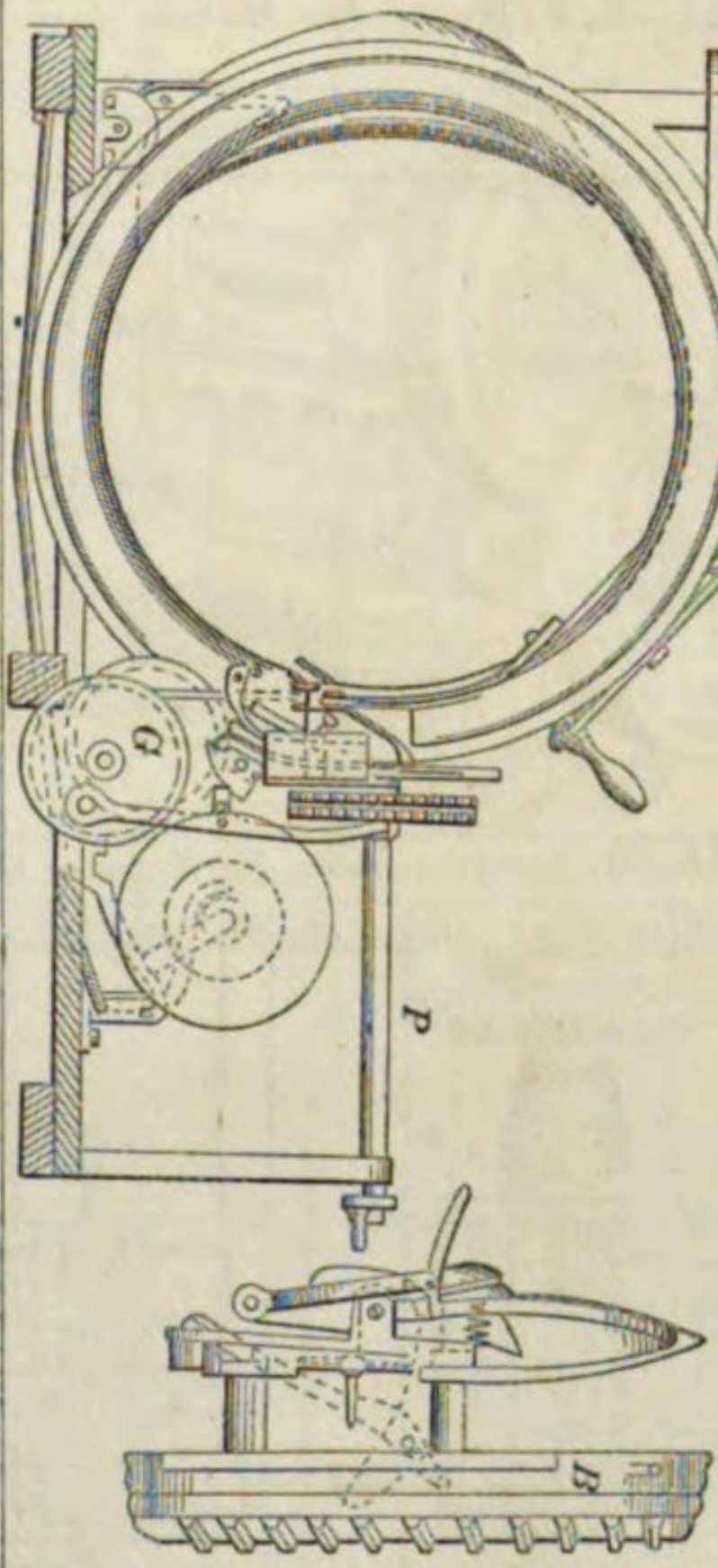


57134—J. Hills—*Basin Faucet.*

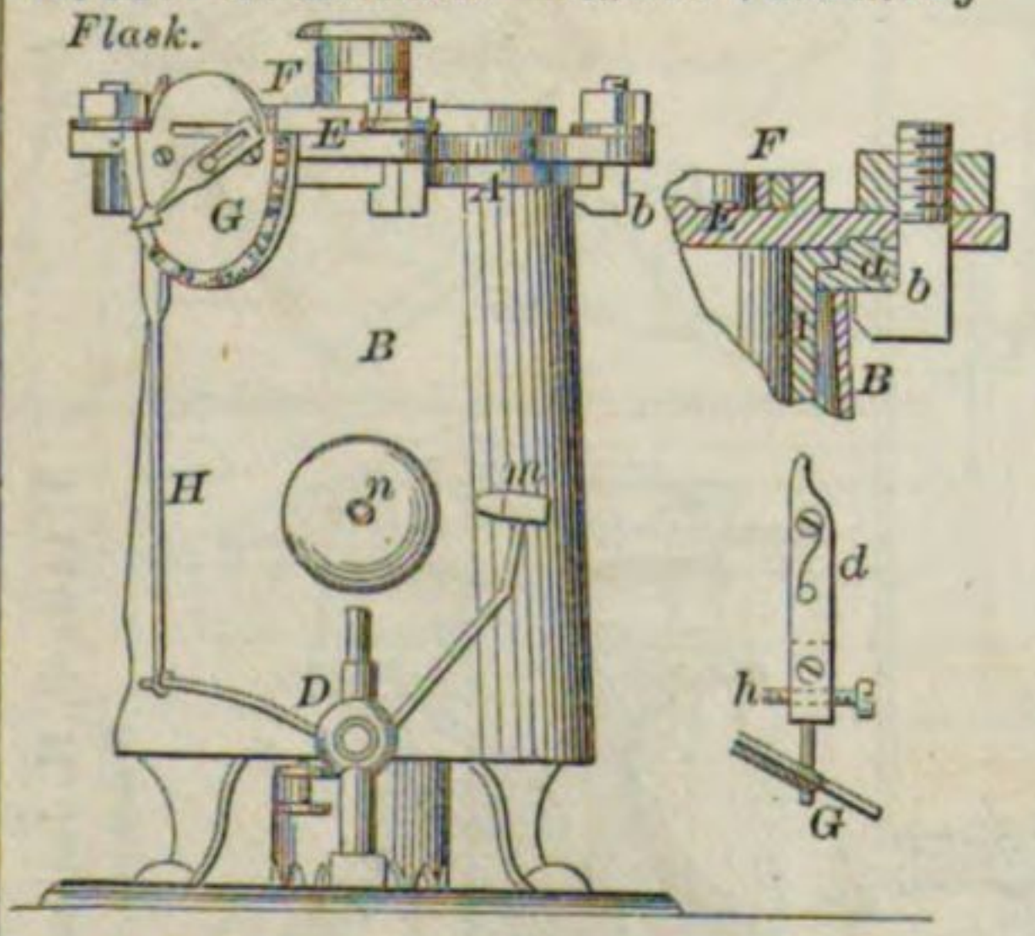


57132—G. G. Hickman—*Bolt Washer.*

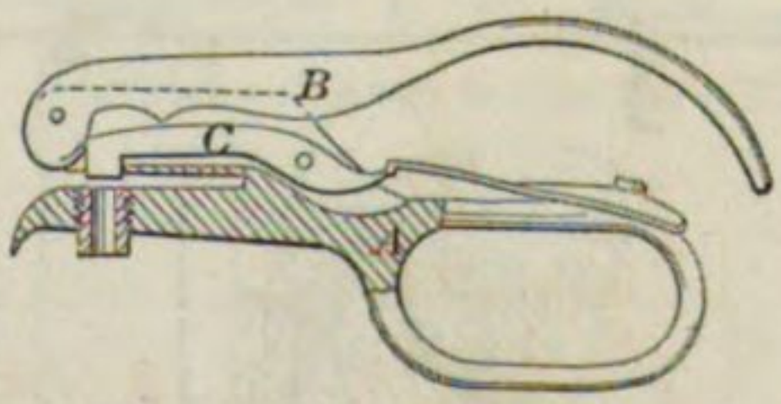
57138—S. T. Holly—*Grain Binder.*



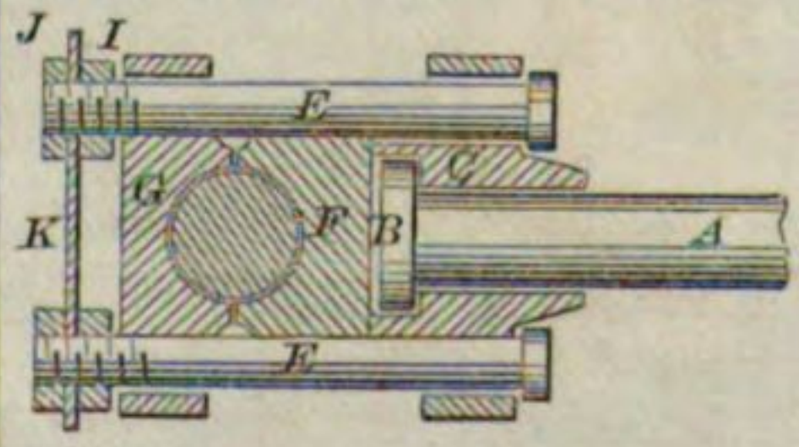
57135—L. Hofstadt—*Dentist's Vulcanizing Flask.*



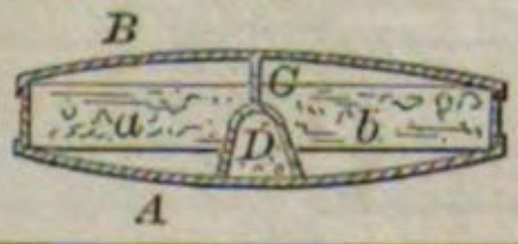
57136—C. B. Holden—*Punch.*



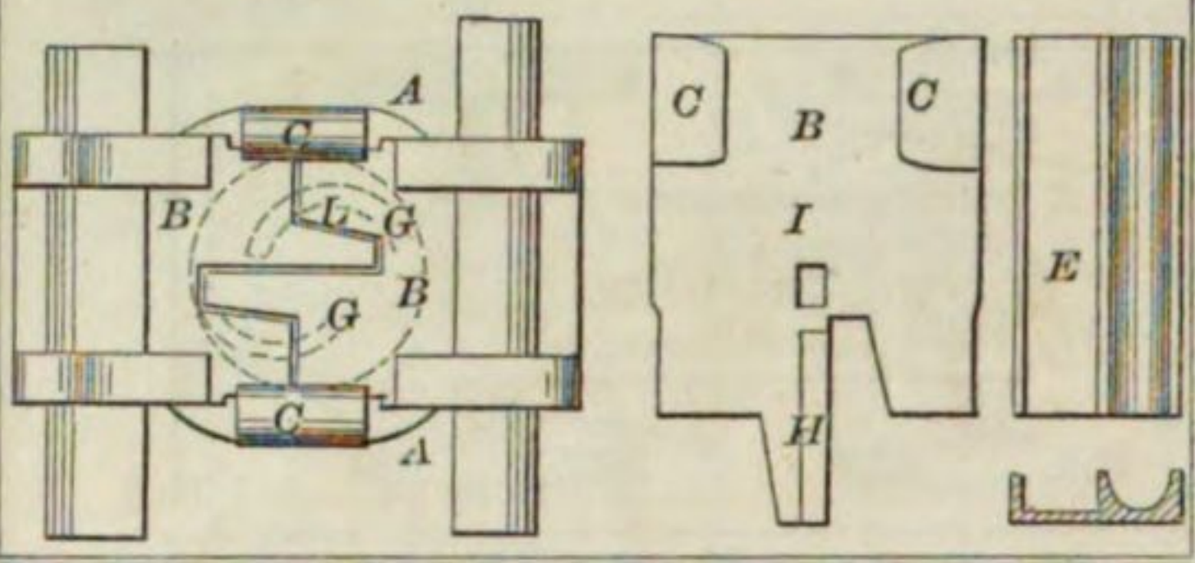
57140—B. J. Hunter—*Harvester Pitman.*



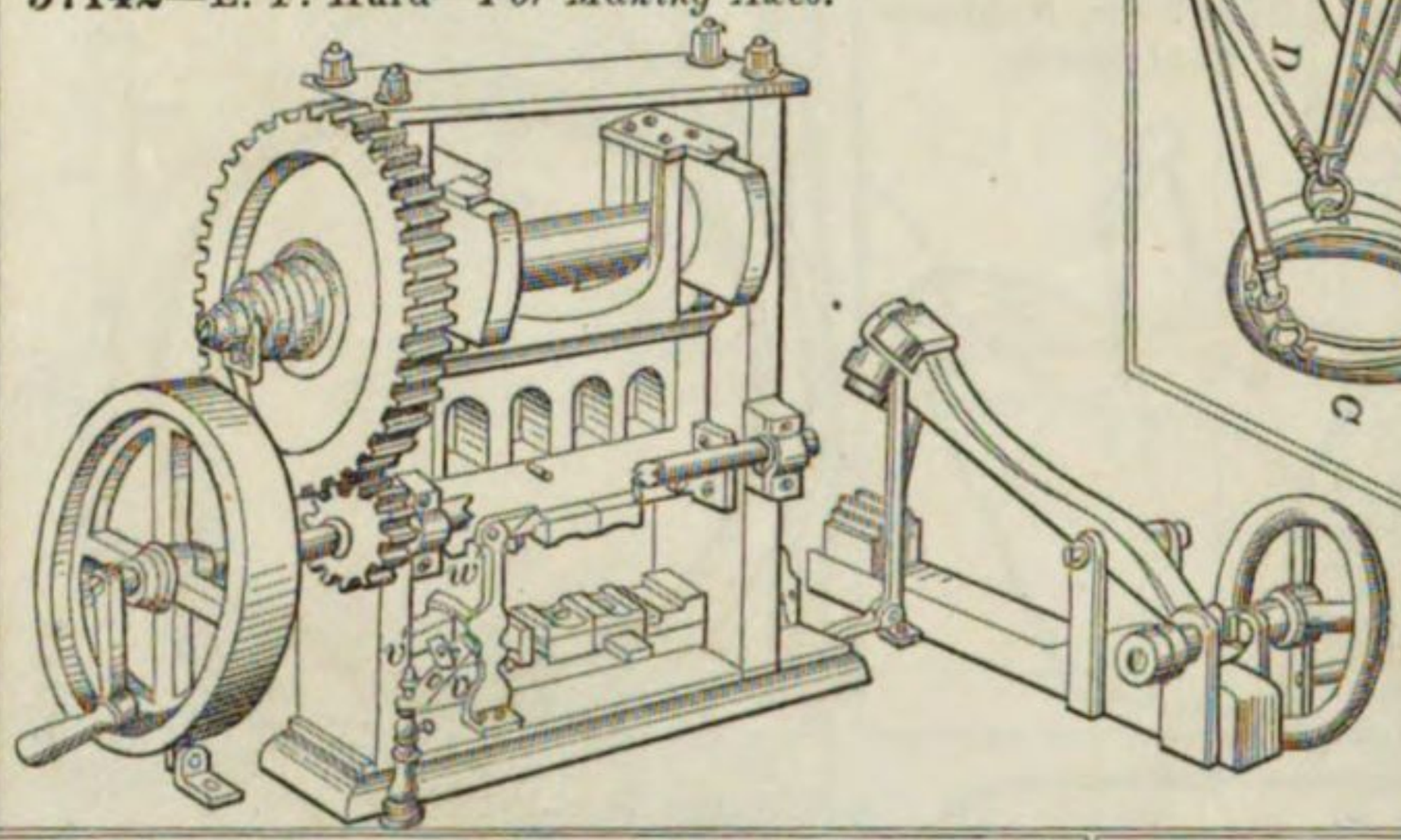
57139—T. Huckans—*Tobacco and Match Box.*



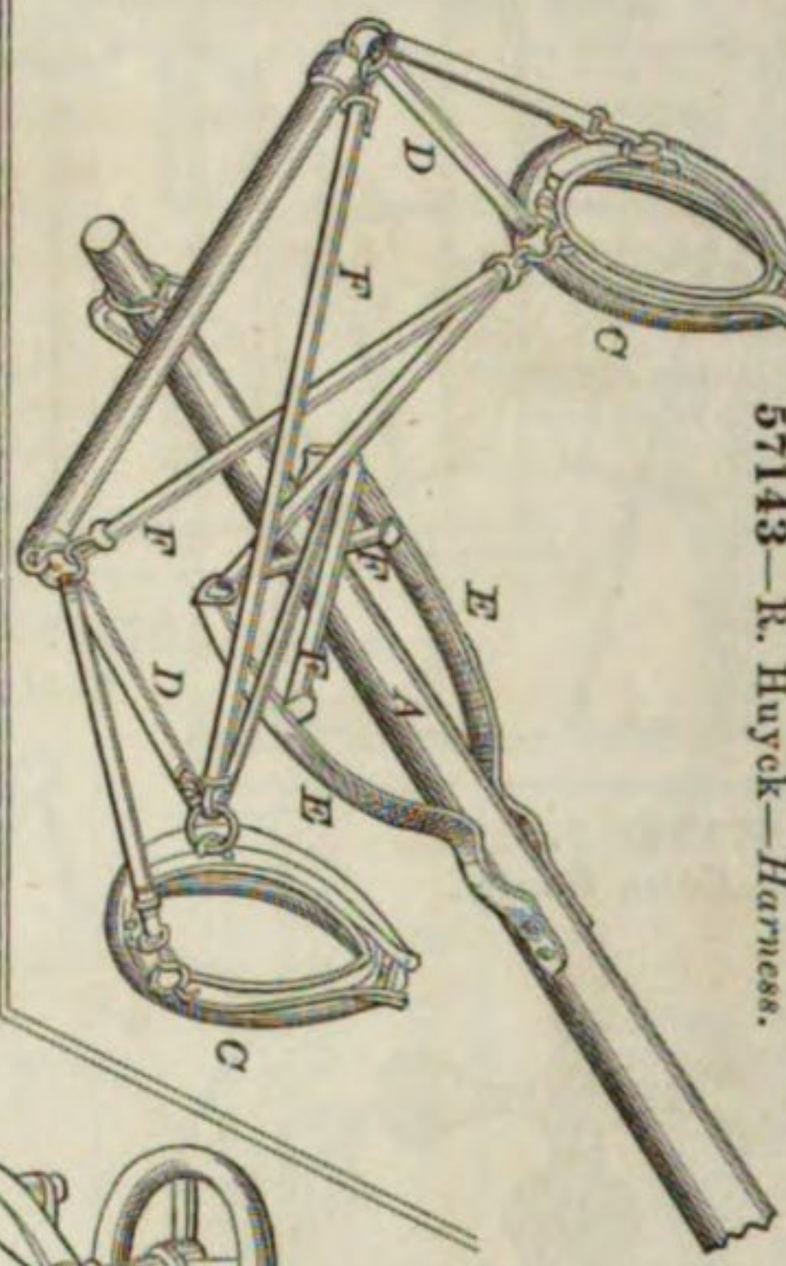
57141—G. Huntington—*Tire Shrinking Machine.*



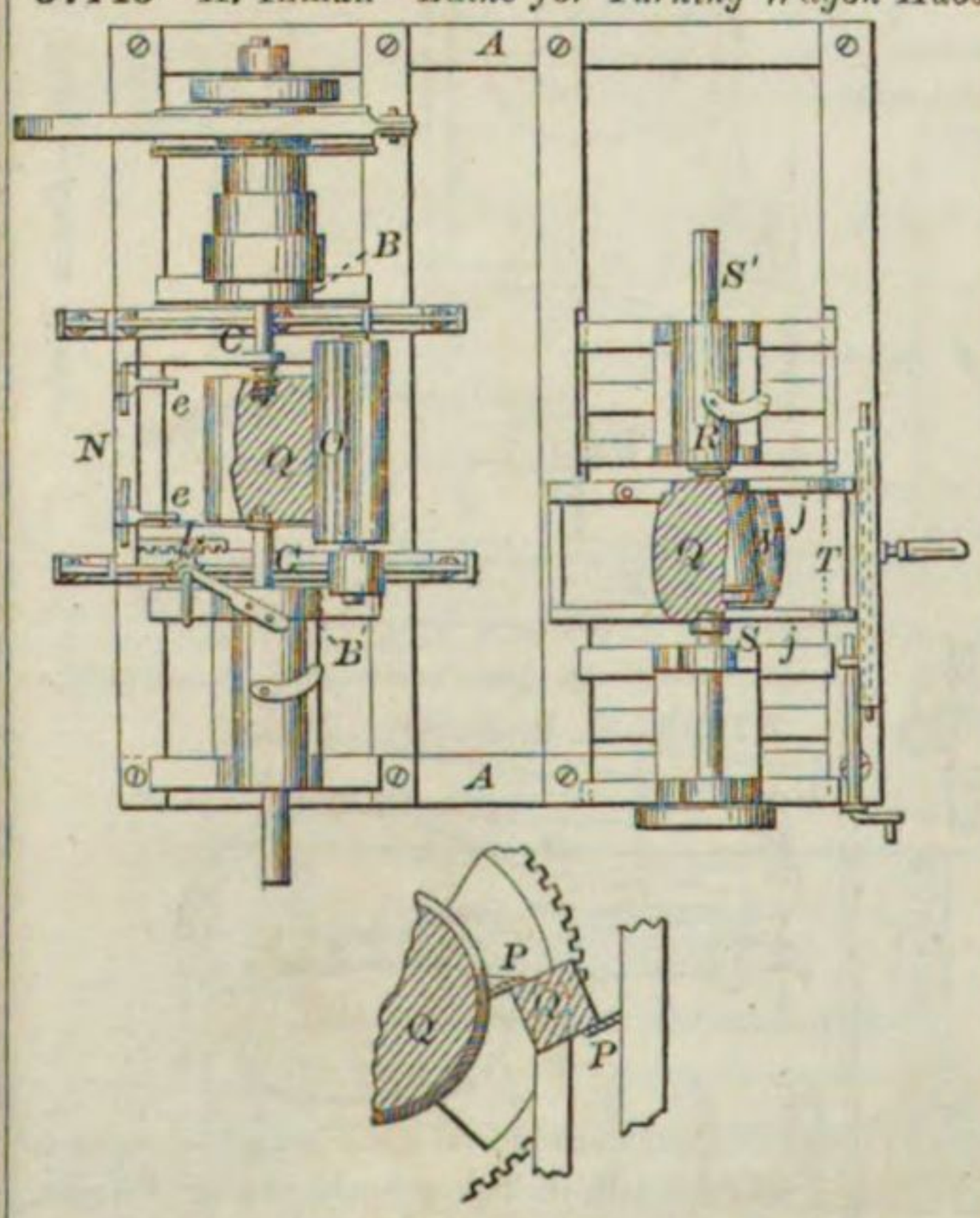
57142—E. F. Hurd—*For Making Axes.*



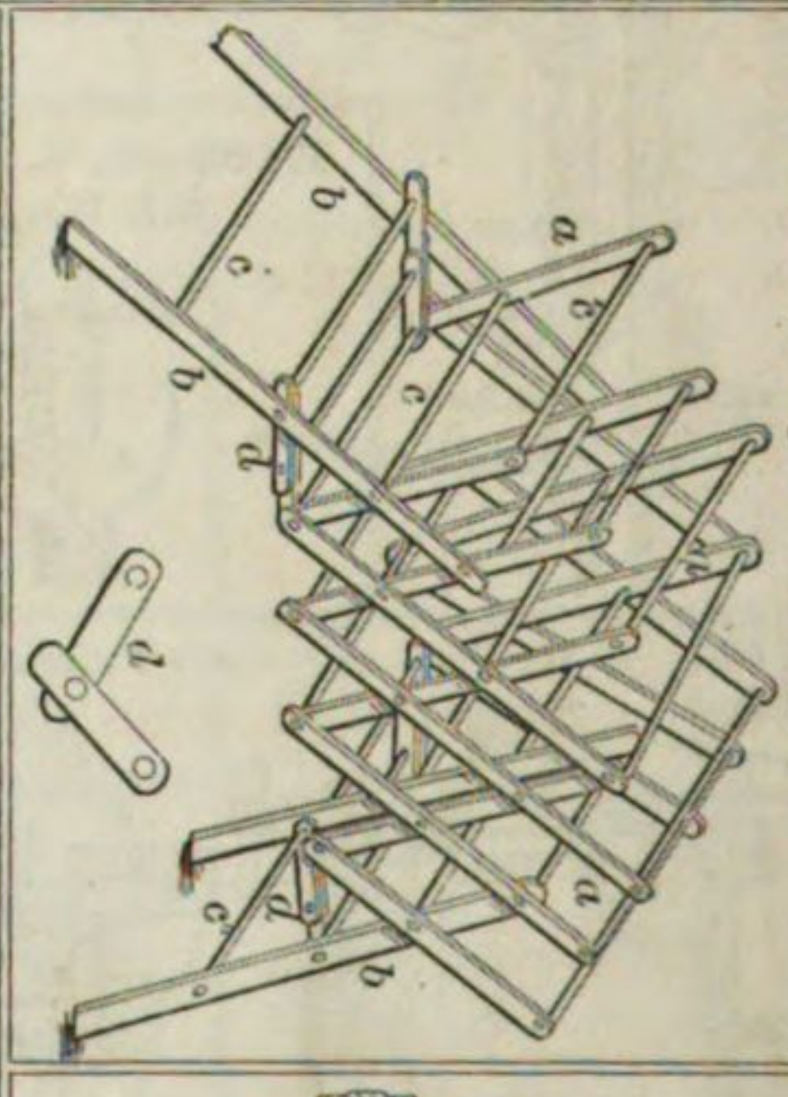
57143—R. Huyck—*Harness.*



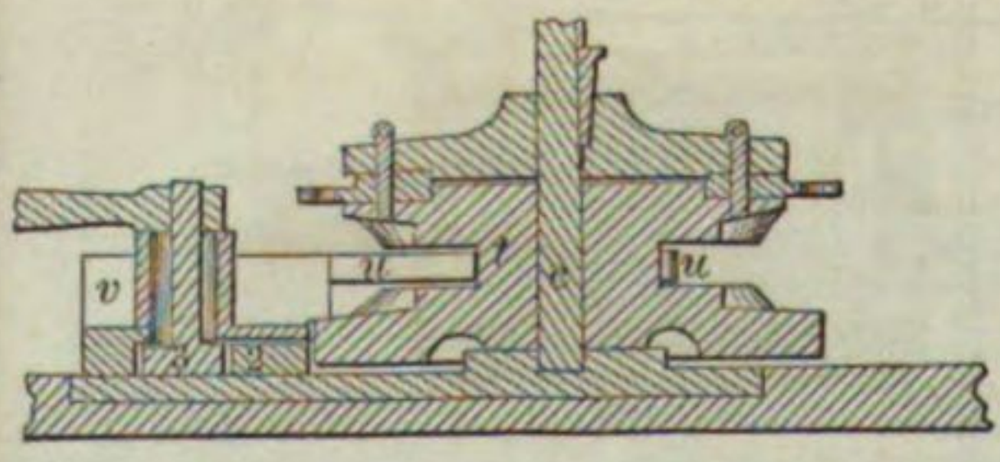
57145—H. Inman—*Lathe for Turning Wagon Hubs.*



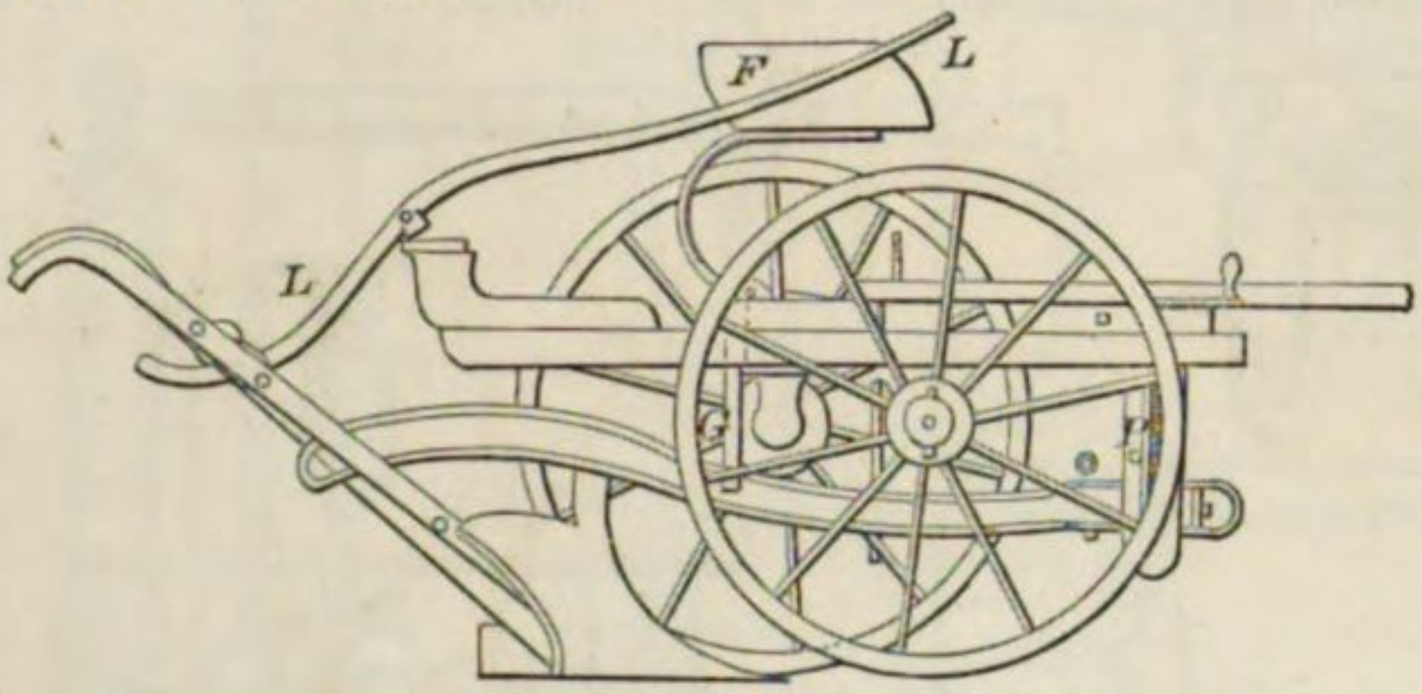
57144—L. T. Ilgin—*Clothes Dryer.*



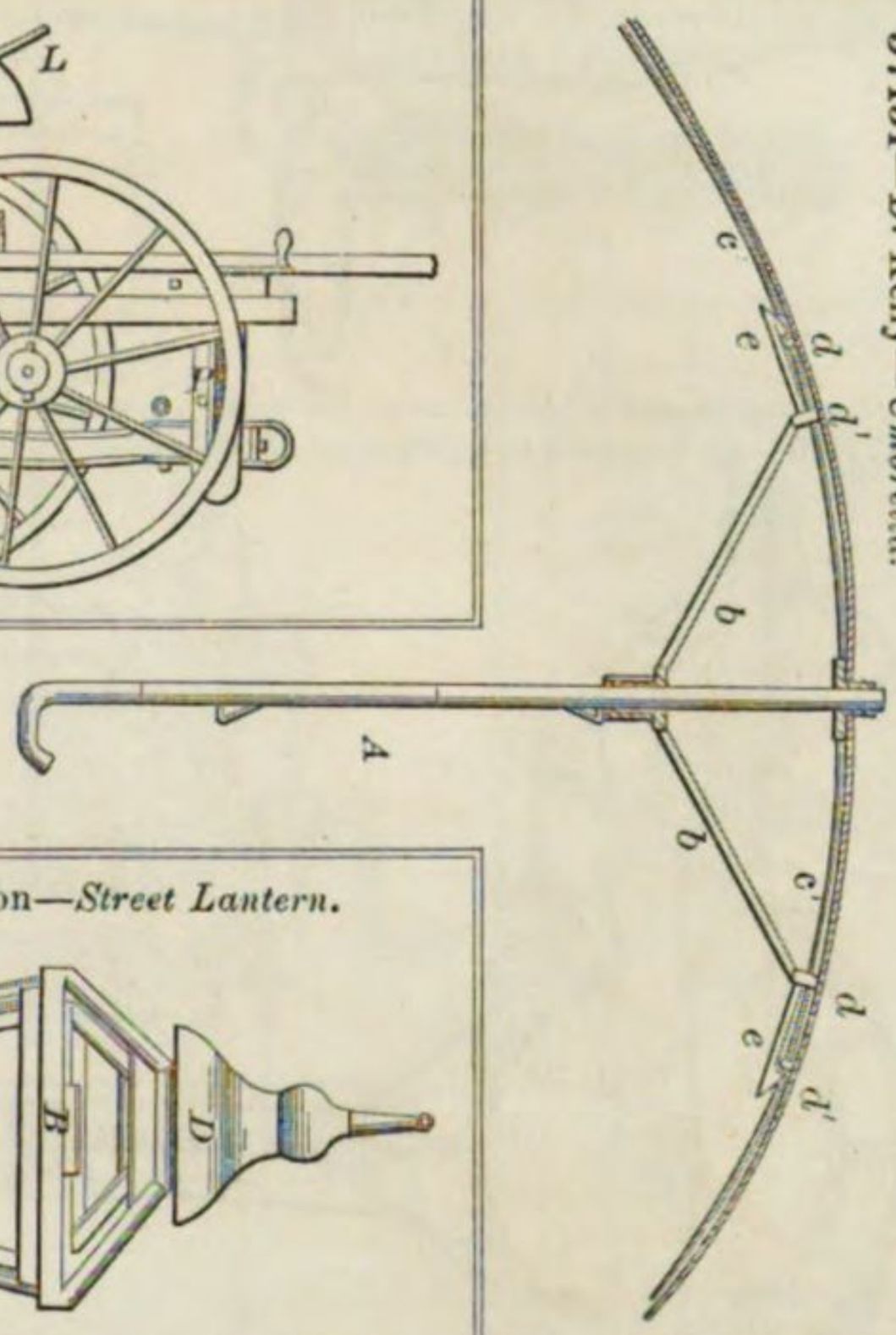
57146—P. H. Jackson—*Ship's Windlass.*



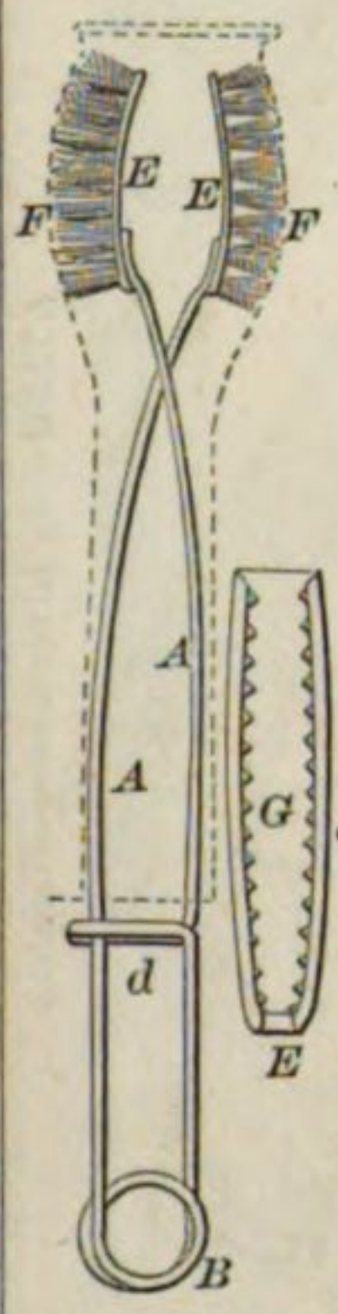
57147—D. Jacoby—*Plow.*



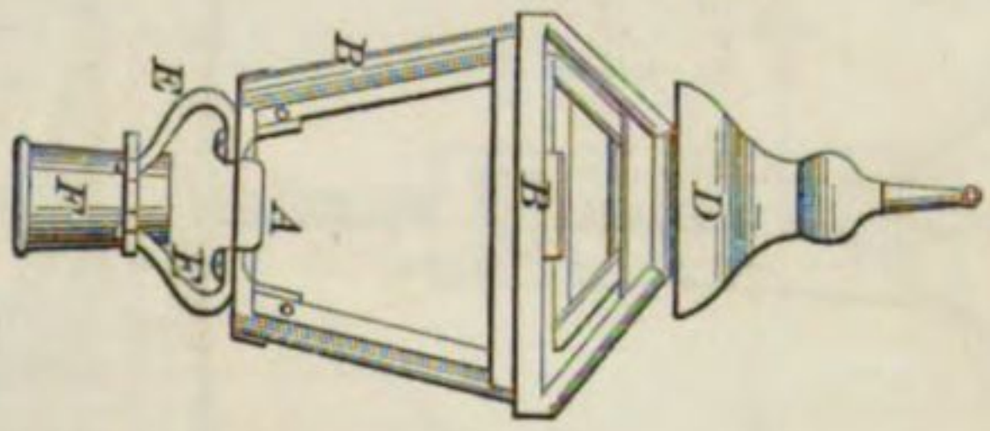
57151—D. Kelly—*Umbrella.*



57149—W. J. Johnson—*Lamp Chimney Cleaner.*

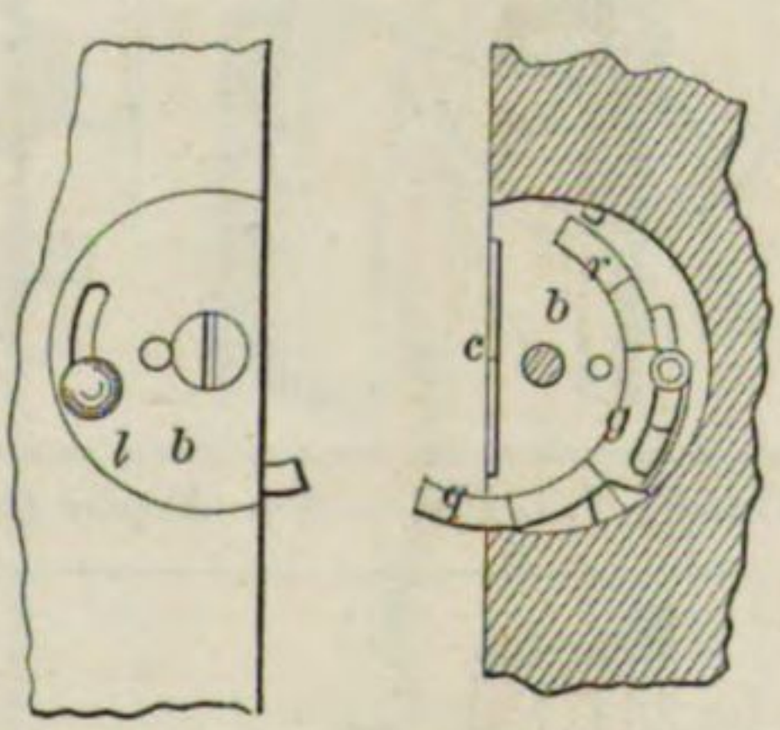


57148—B. A. Johnson—*Street Lantern.*

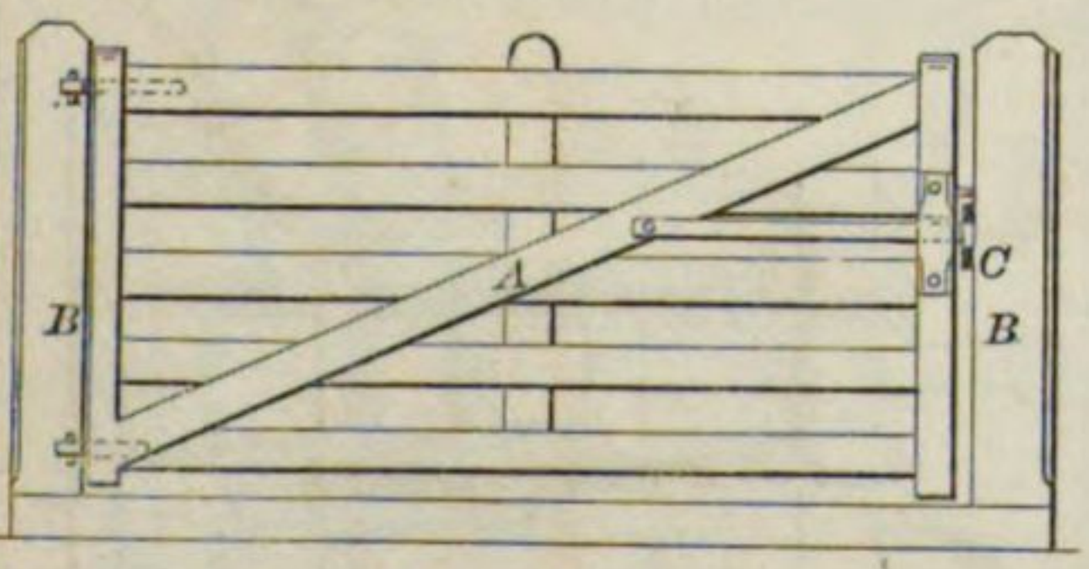


57154—C. Lang—*Imitation Collar.*

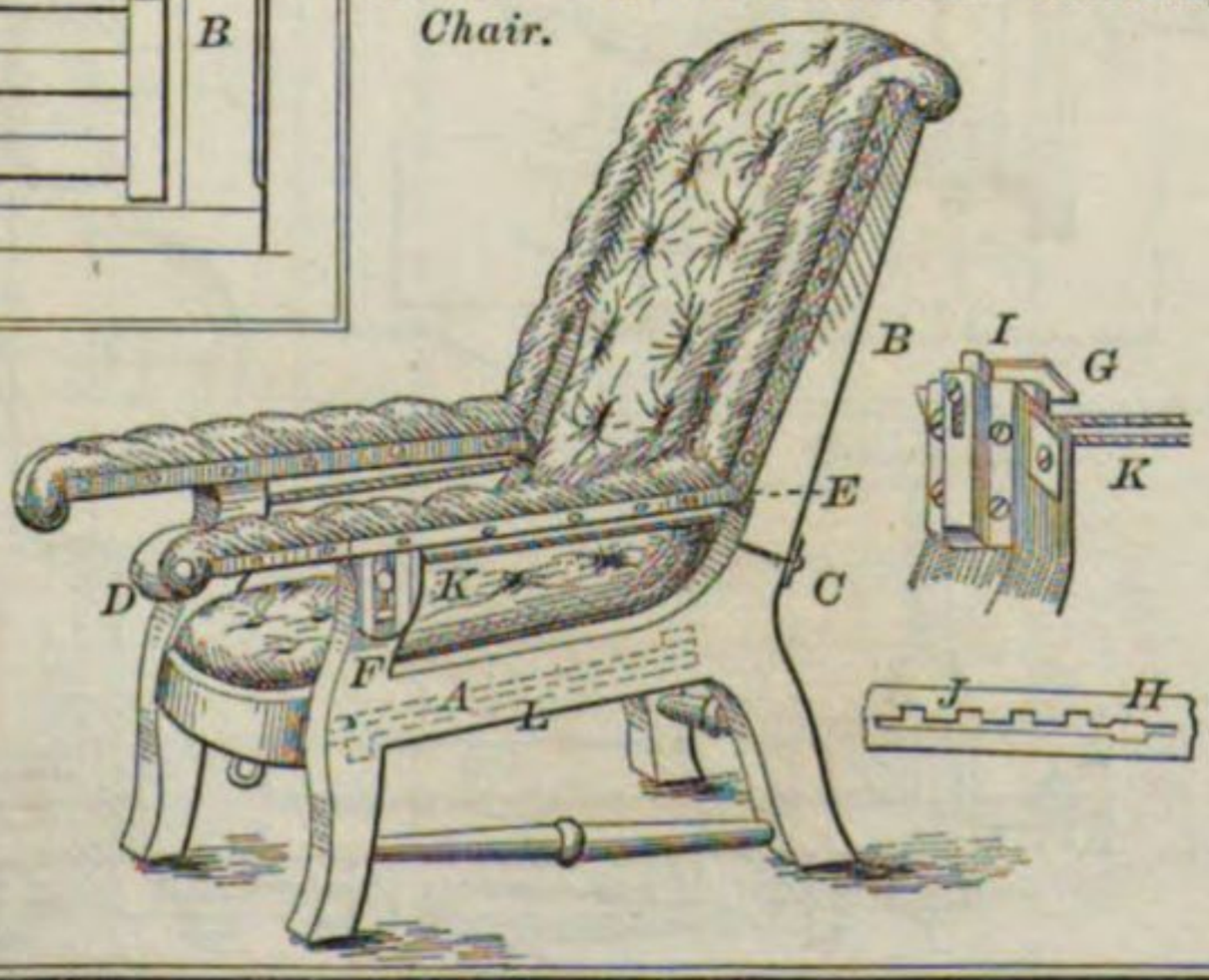
57150—H. M. Jones—*Latch Fastening.*

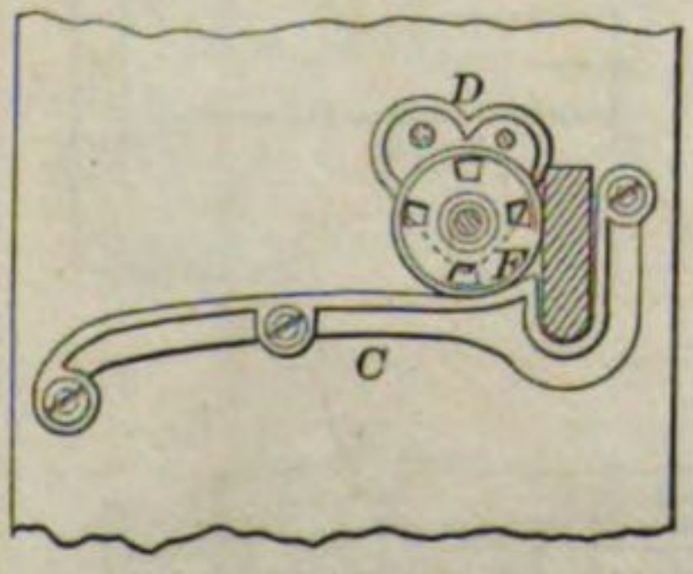


57152—F. Ketcham—*Gate Latch.*

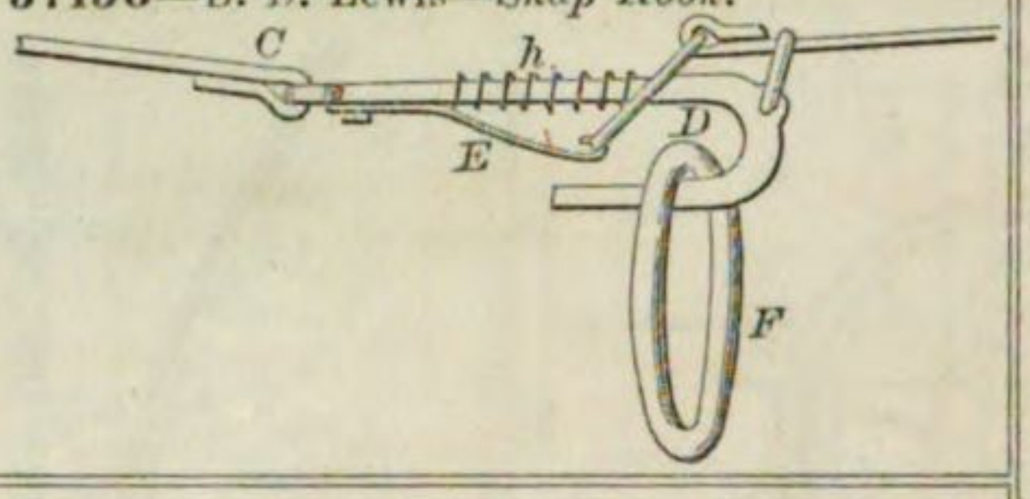


57153—Kline & Schmacker—*Reclining Chair.*

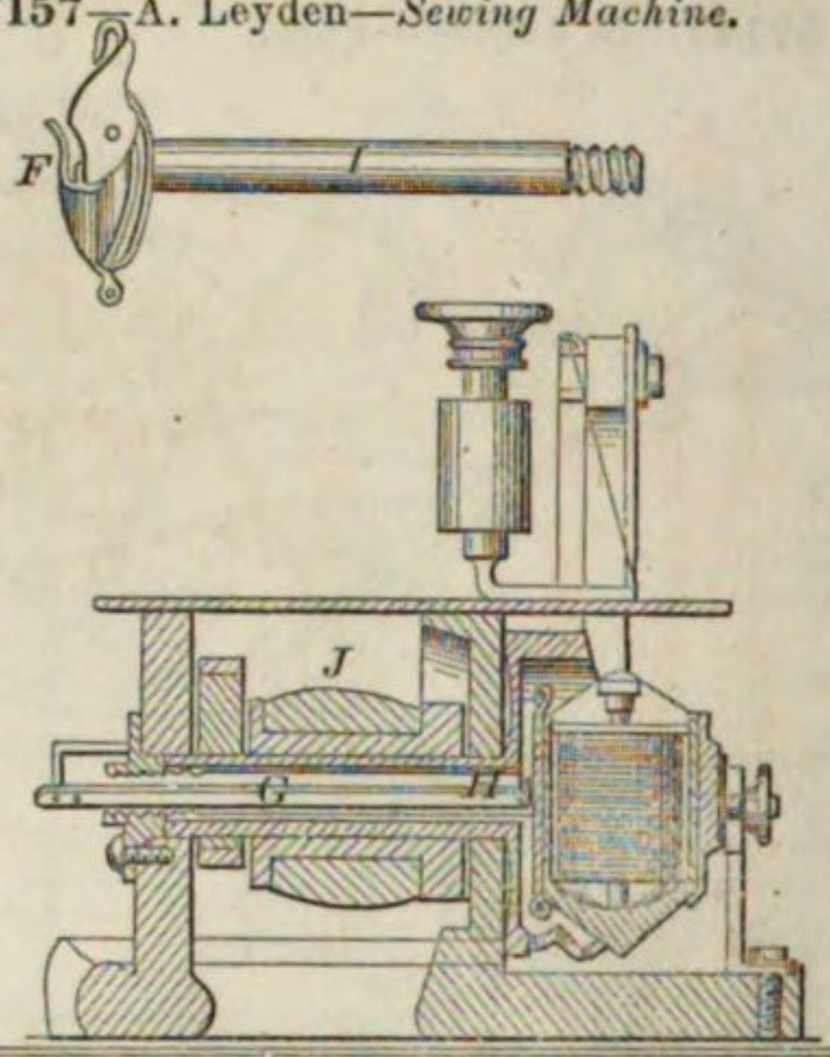




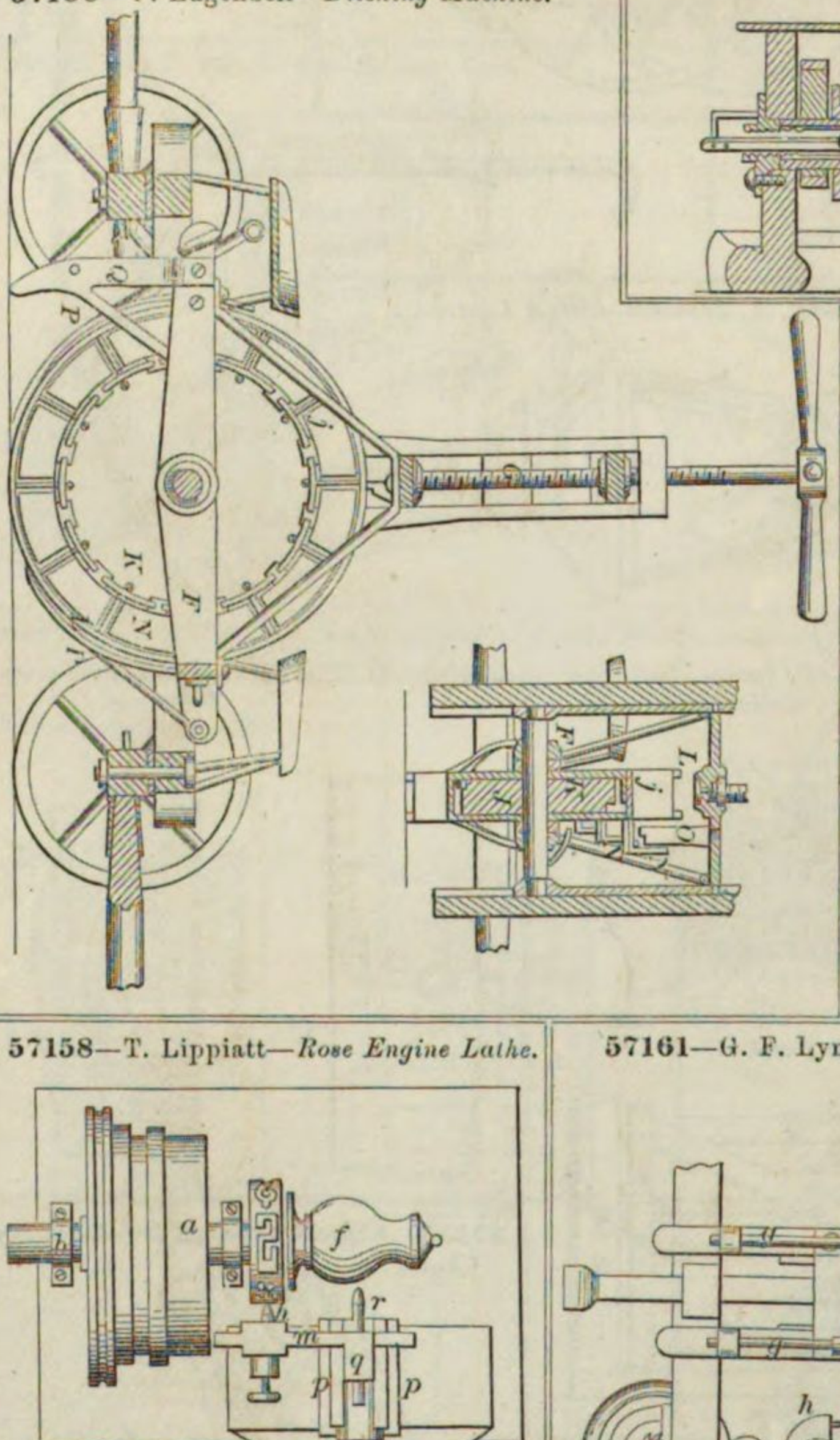
57156—B. B. Lewis—*Snap Hook.*



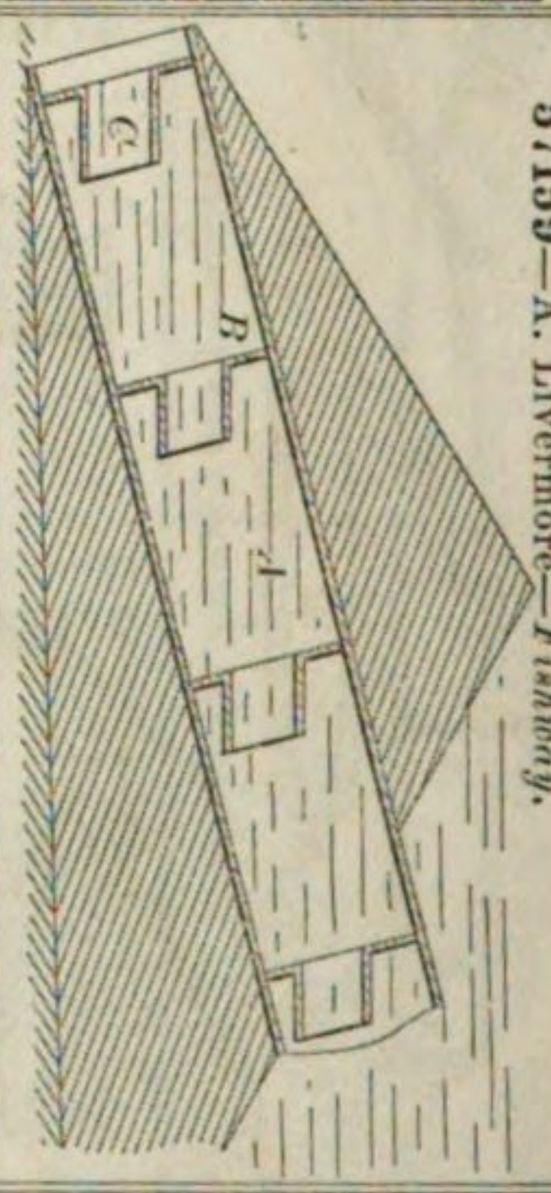
57157—A. Leyden—*Sewing Machine.*



57160—P. Lugenbell—*Ditching Machine.*

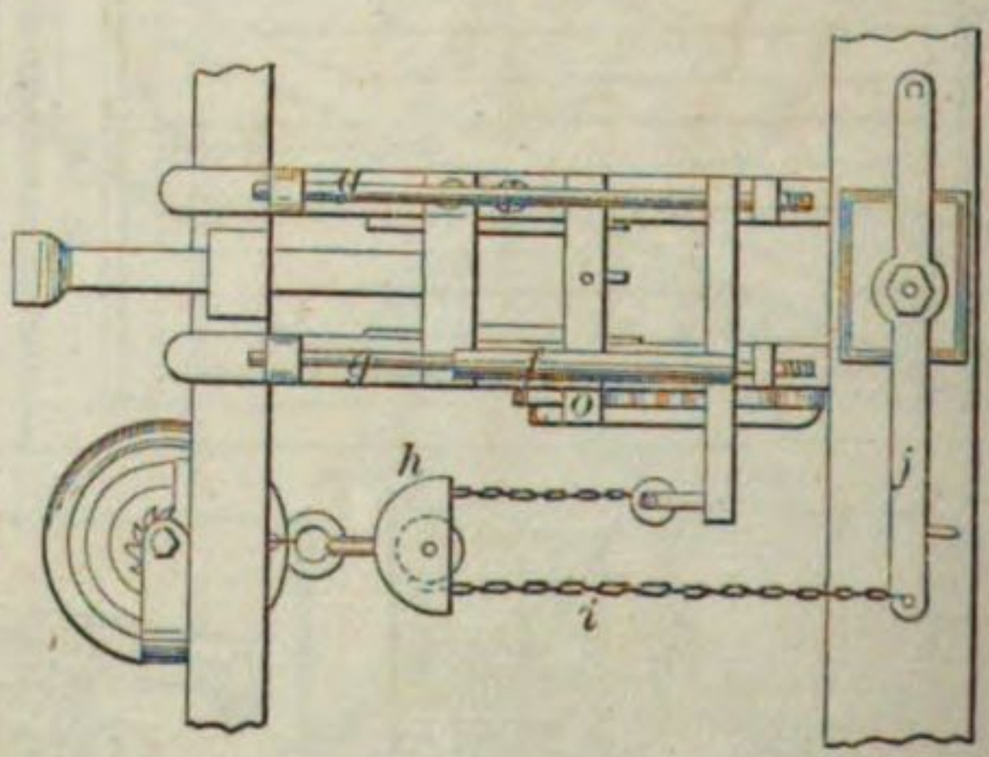


57159—A. Livermore—*Fishway.*

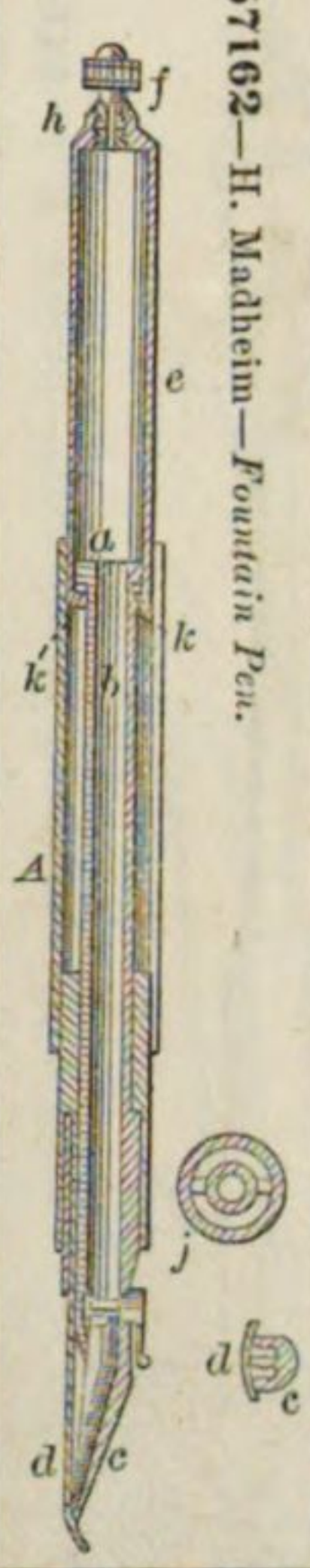


57158—T. Lippiatt—*Rose Engine Lathe.*

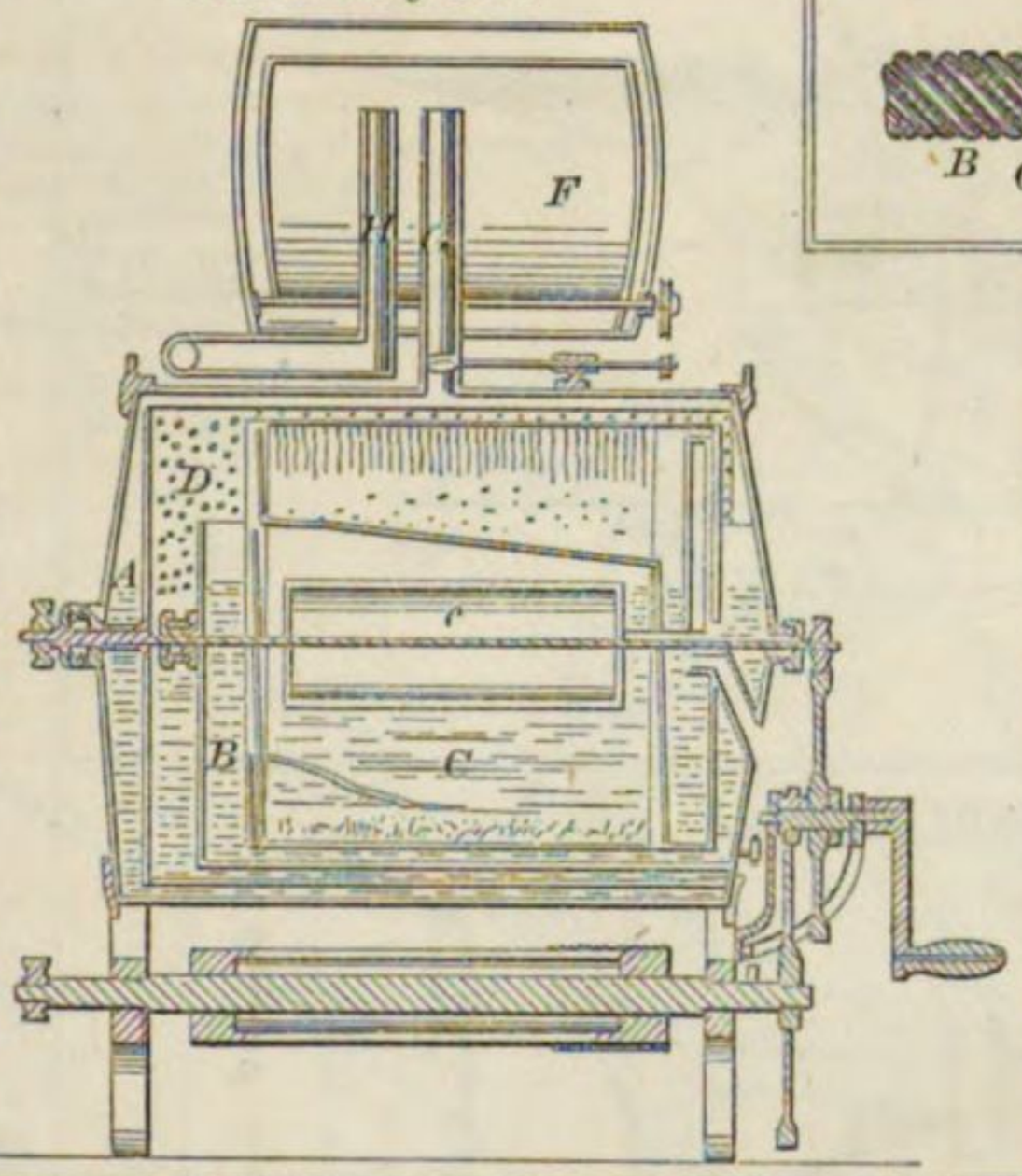
57161—G. F. Lynch—*Car Brake.*



57162—H. Madheim—*Fountain Pen.*

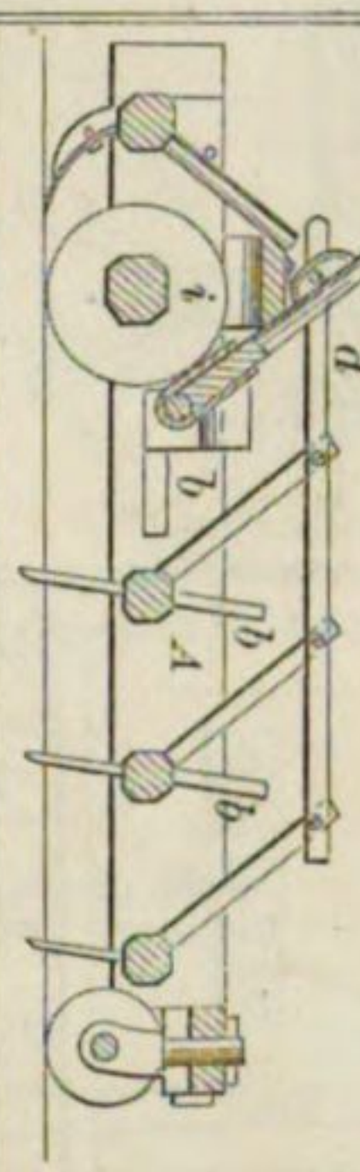


57164—H. L. McAvoy—*For Carburetting Air.*

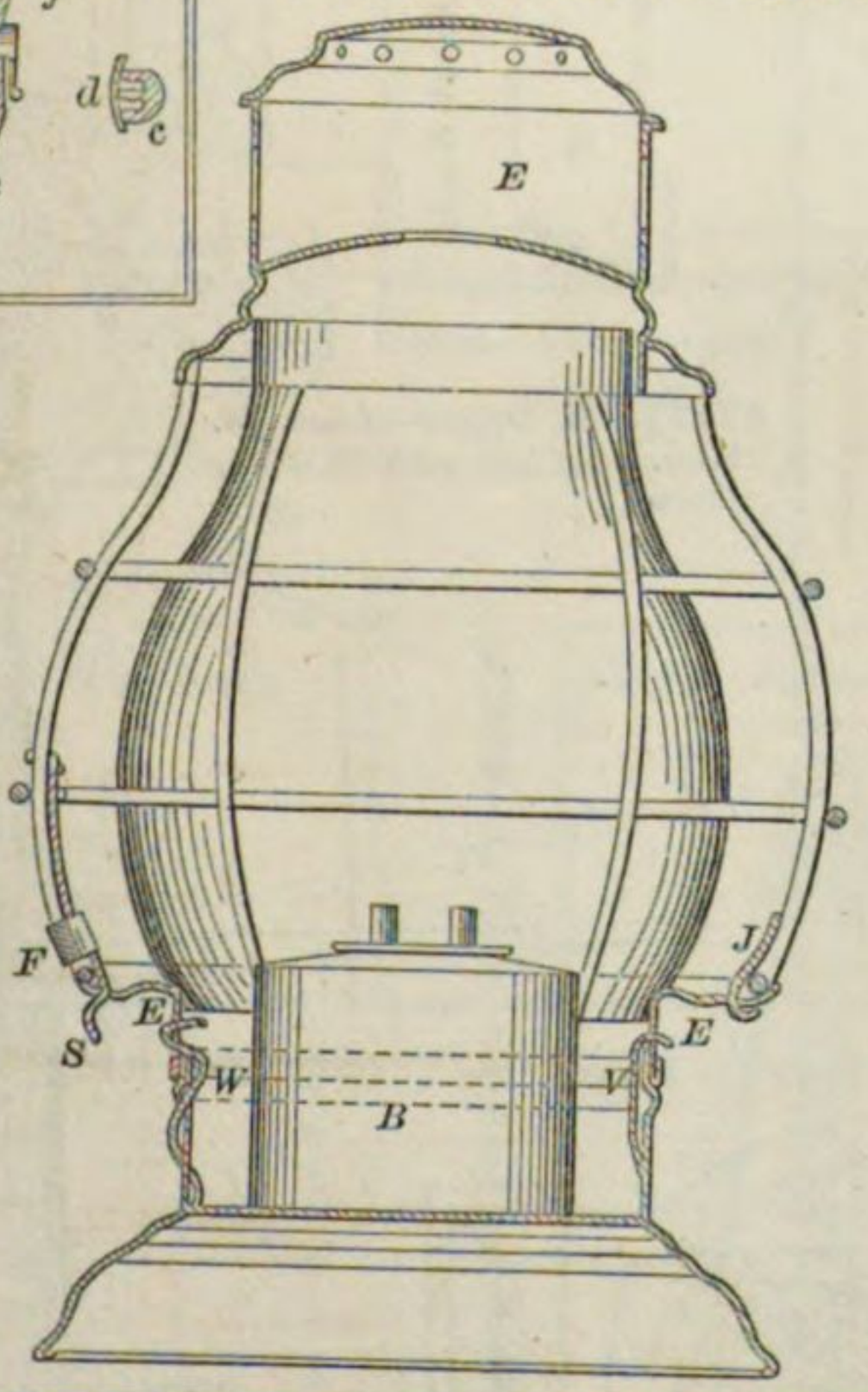


57163—R. Martin—*Piston Rod Packing.*

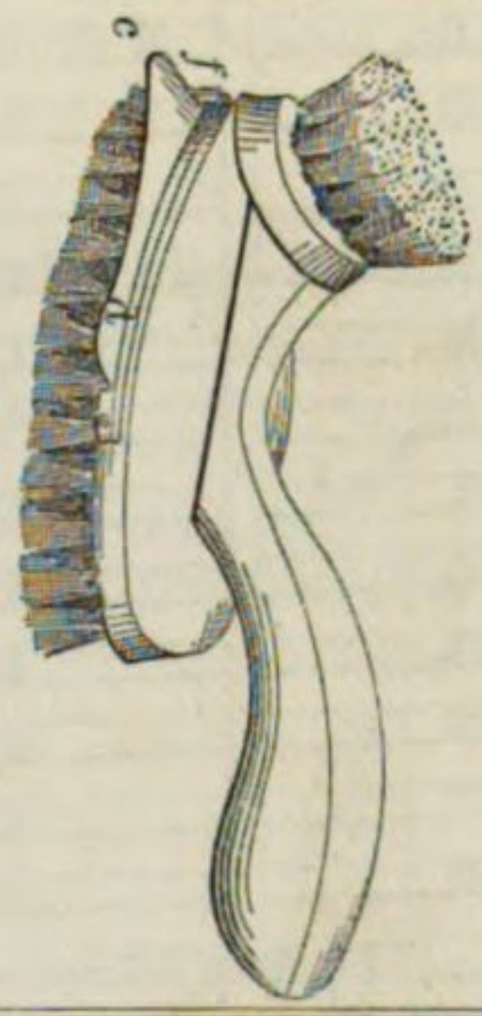
57166—W. McFishback—*Harrow.*



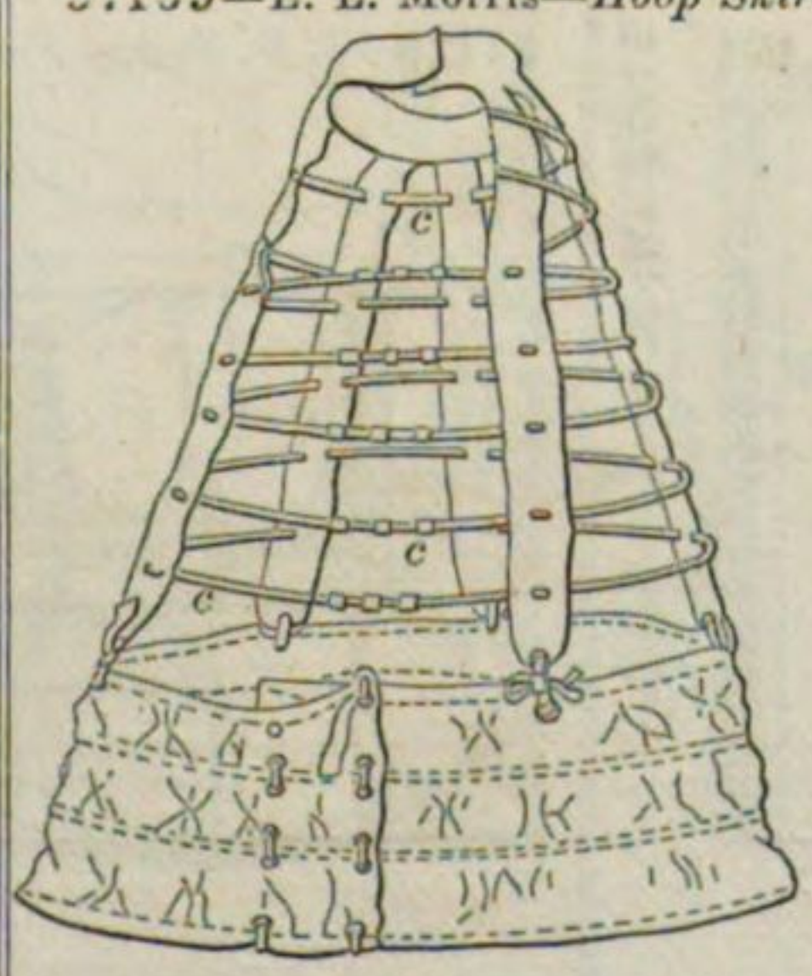
57167—C. F. Moeller—*Lantern.*



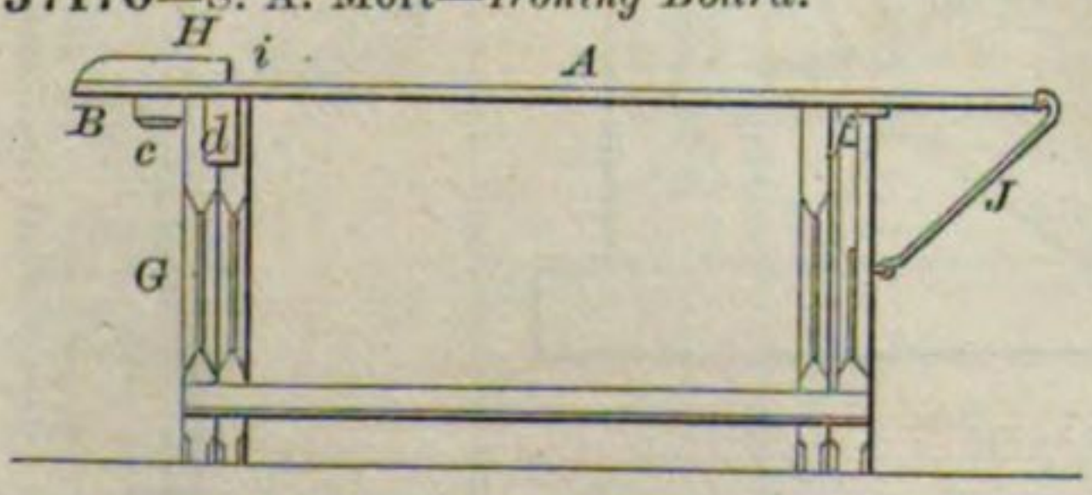
57168—Moller & Shoels—*Shoe Brush.*



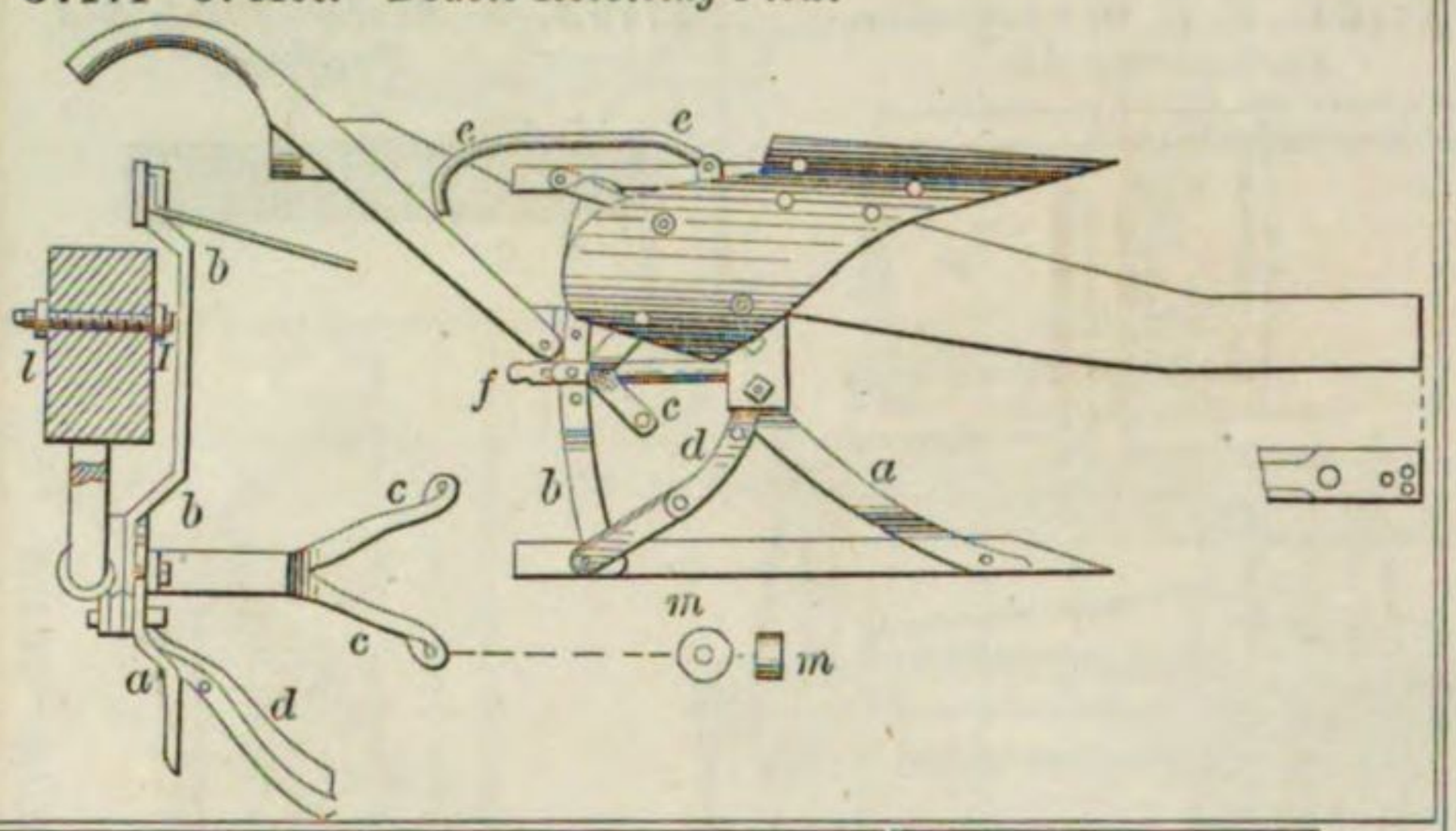
57169—E. L. Morris—*Hoop Skirt.*



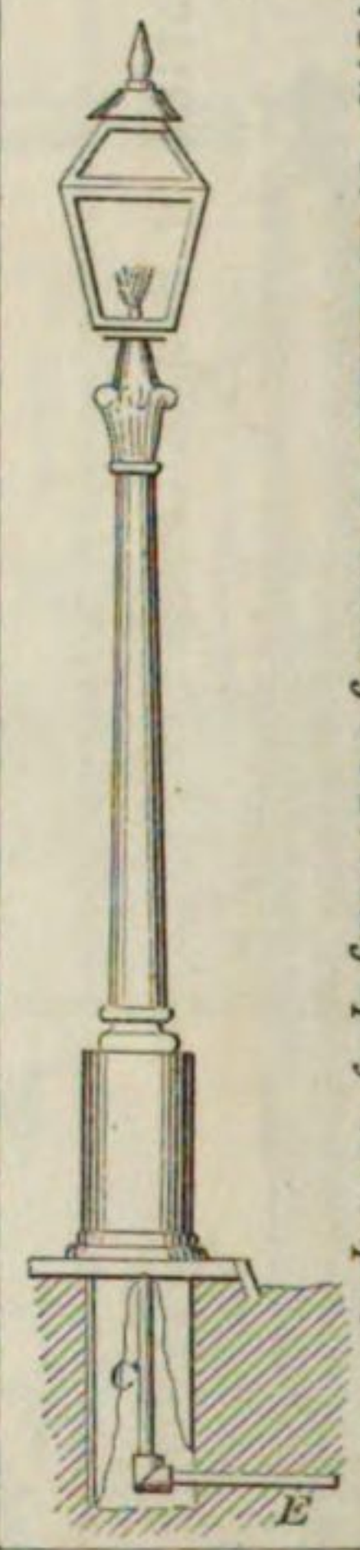
57170—S. A. Mort—*Ironing Board.*



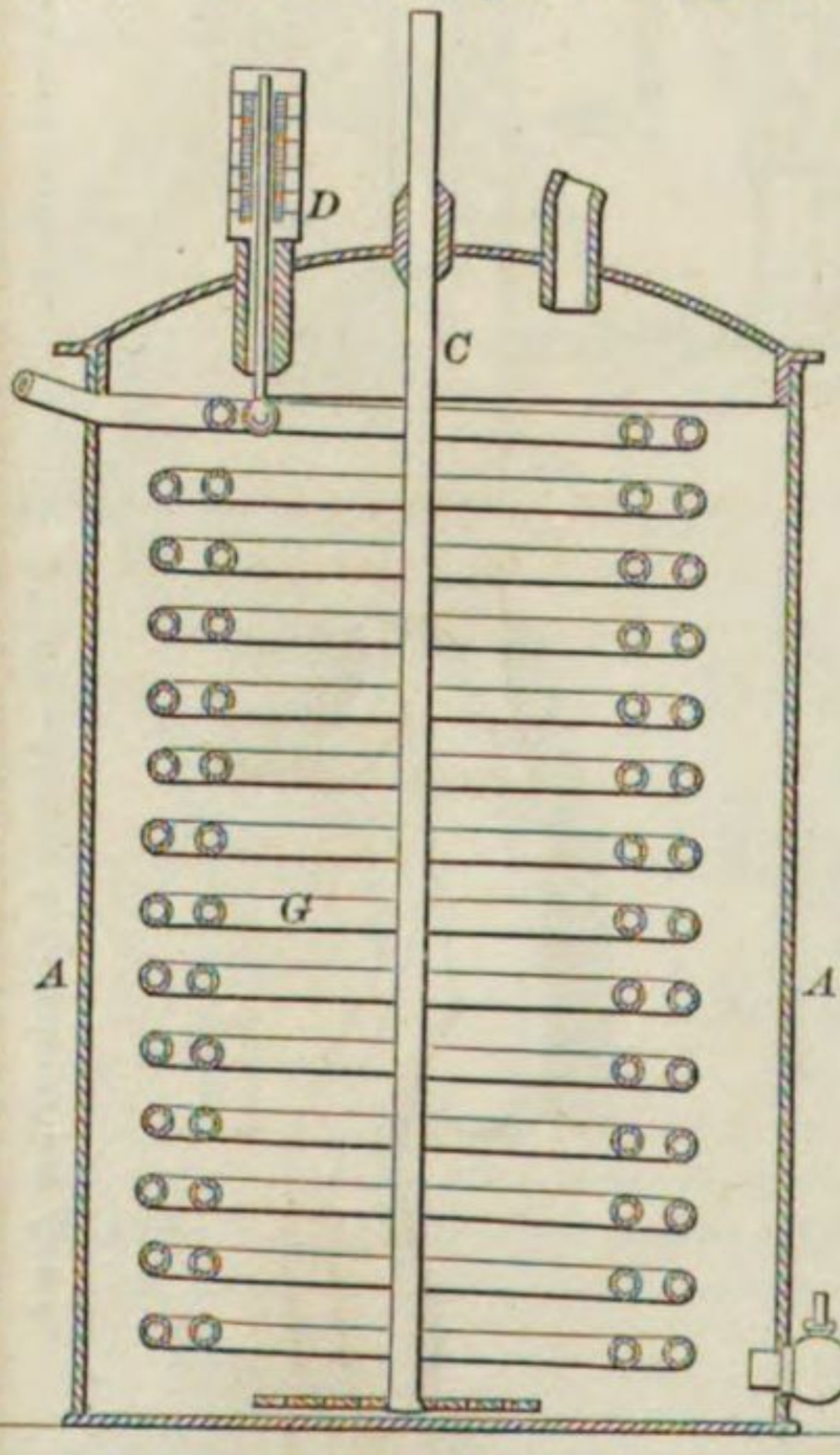
57171—J. Mott—*Double Revolving Plow.*



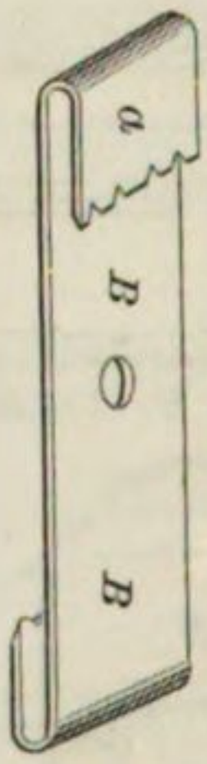
57172—J. H. Mulhall—*Preventing the Freezing up of Gas Pipes.*



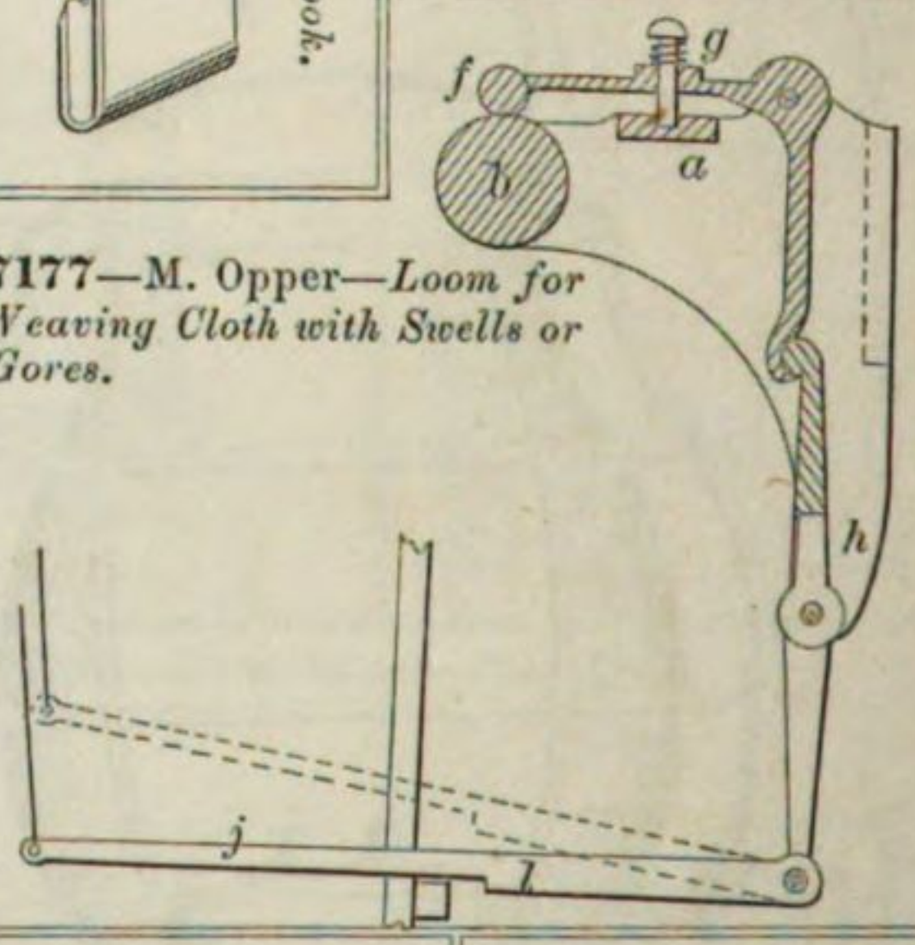
57175—A. Nobel—*Explosive Compound.*



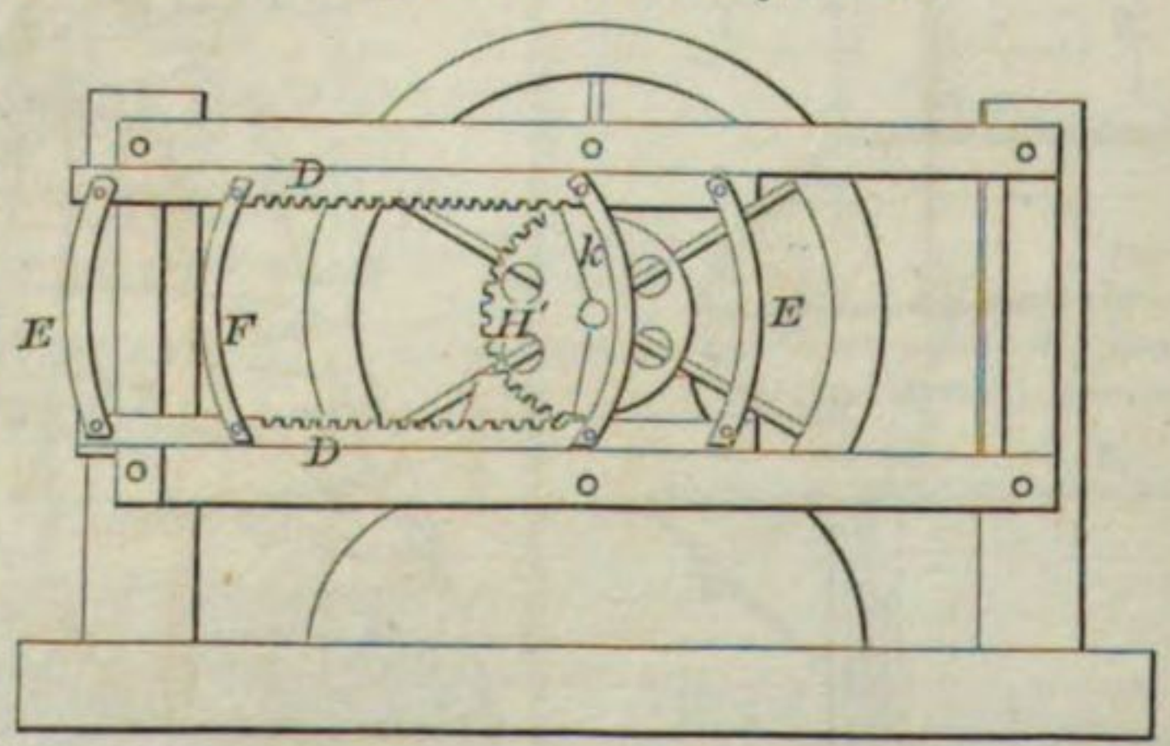
57176—L. F. Noe—*Bench Hook.*



57177—M. Opper—*Loom for Weaving Cloth with Swells or Gores.*

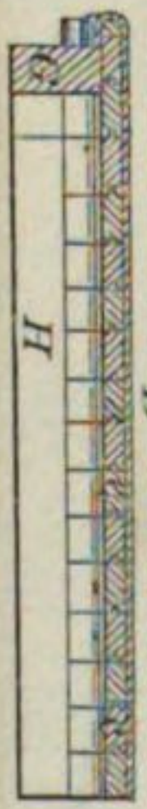


57178—J. B. Page—*For Converting Motion.*

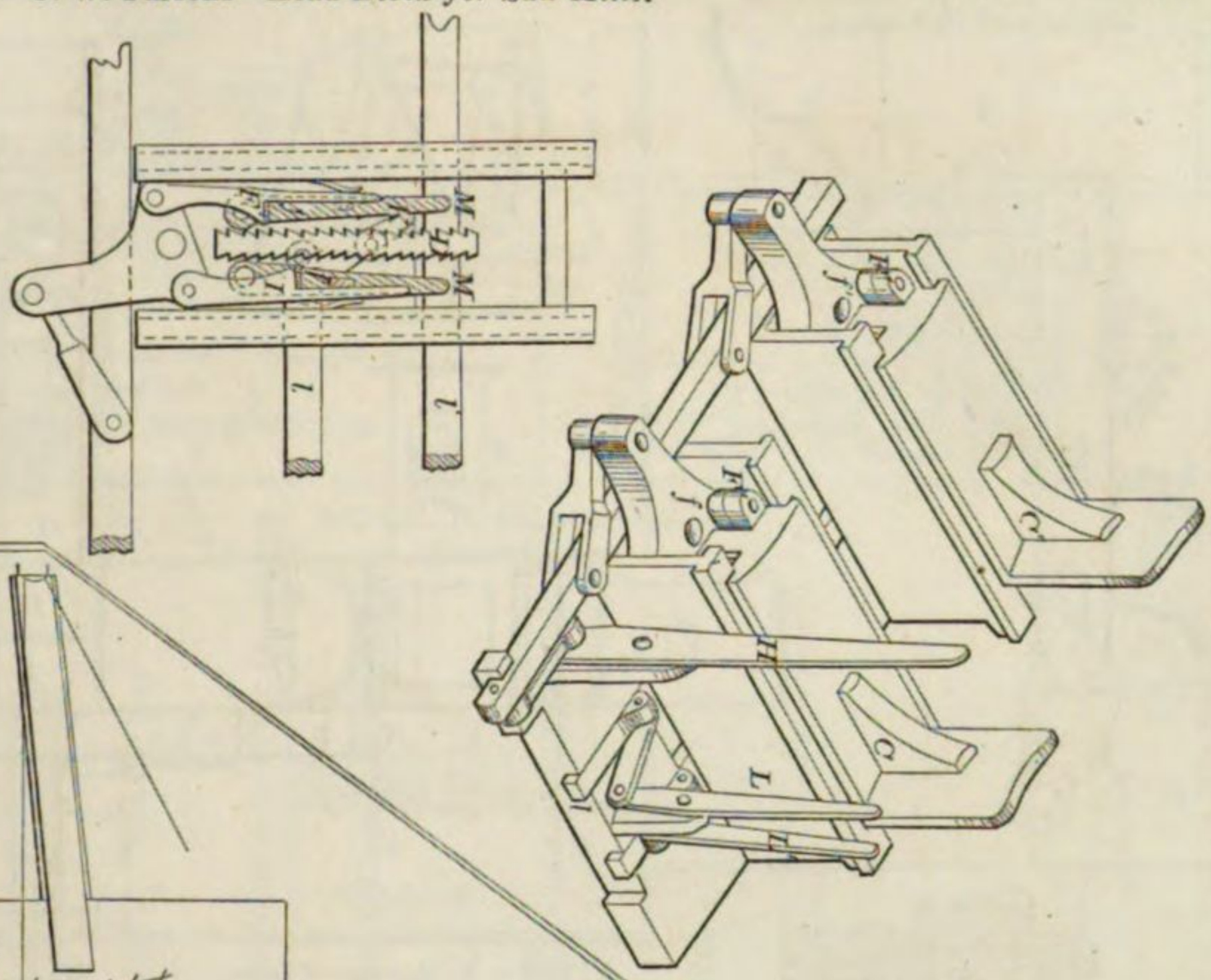


57179—H. W. Painter—*Carriage Pole.*

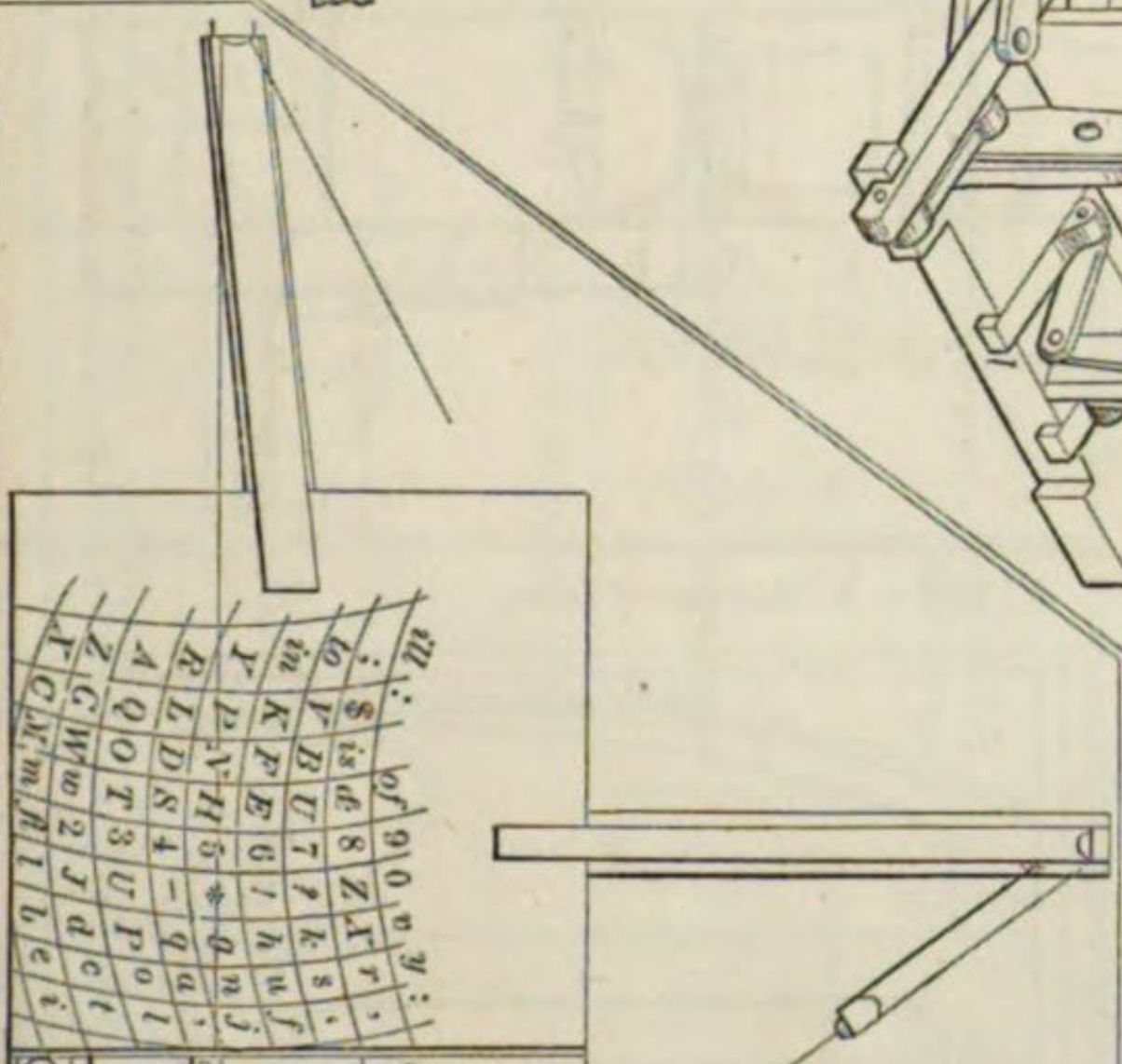
57173—W. H. Myers—*Car Roof.*



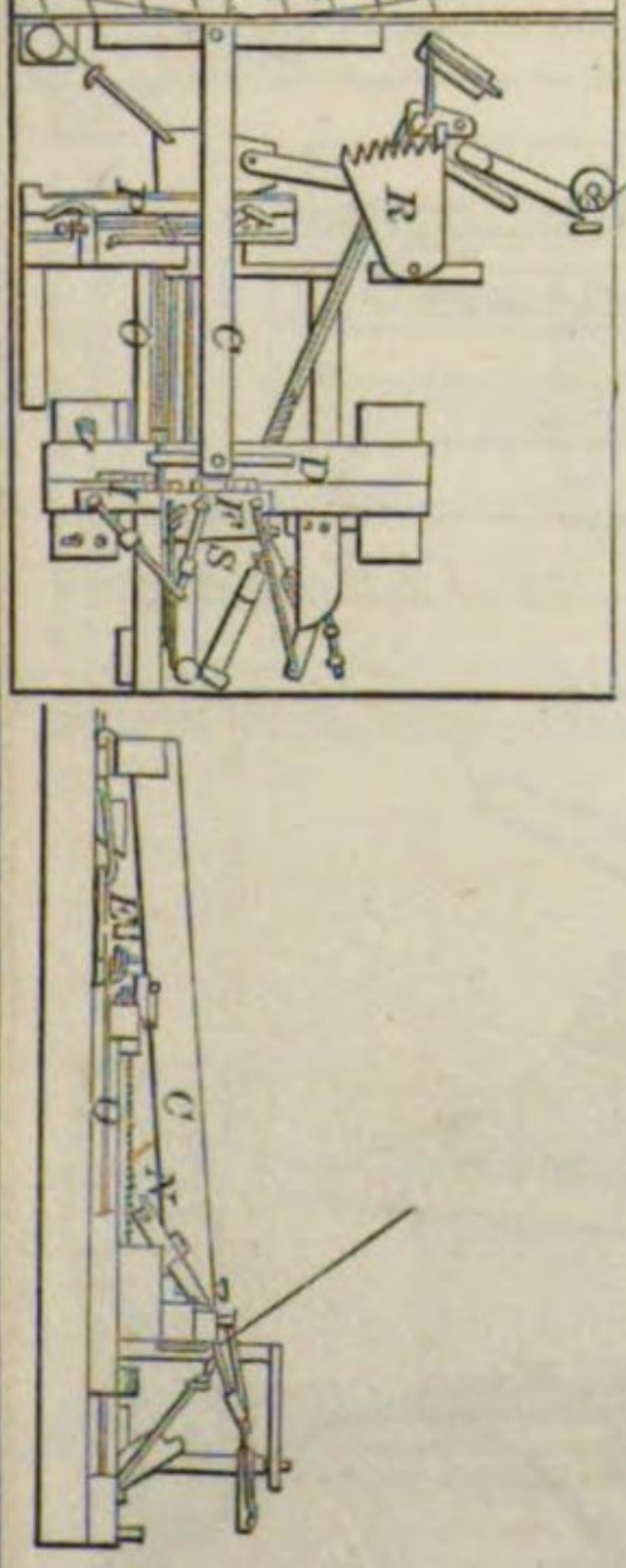
57180—J. W. Parsons—*Head Block for Saw Mills.*



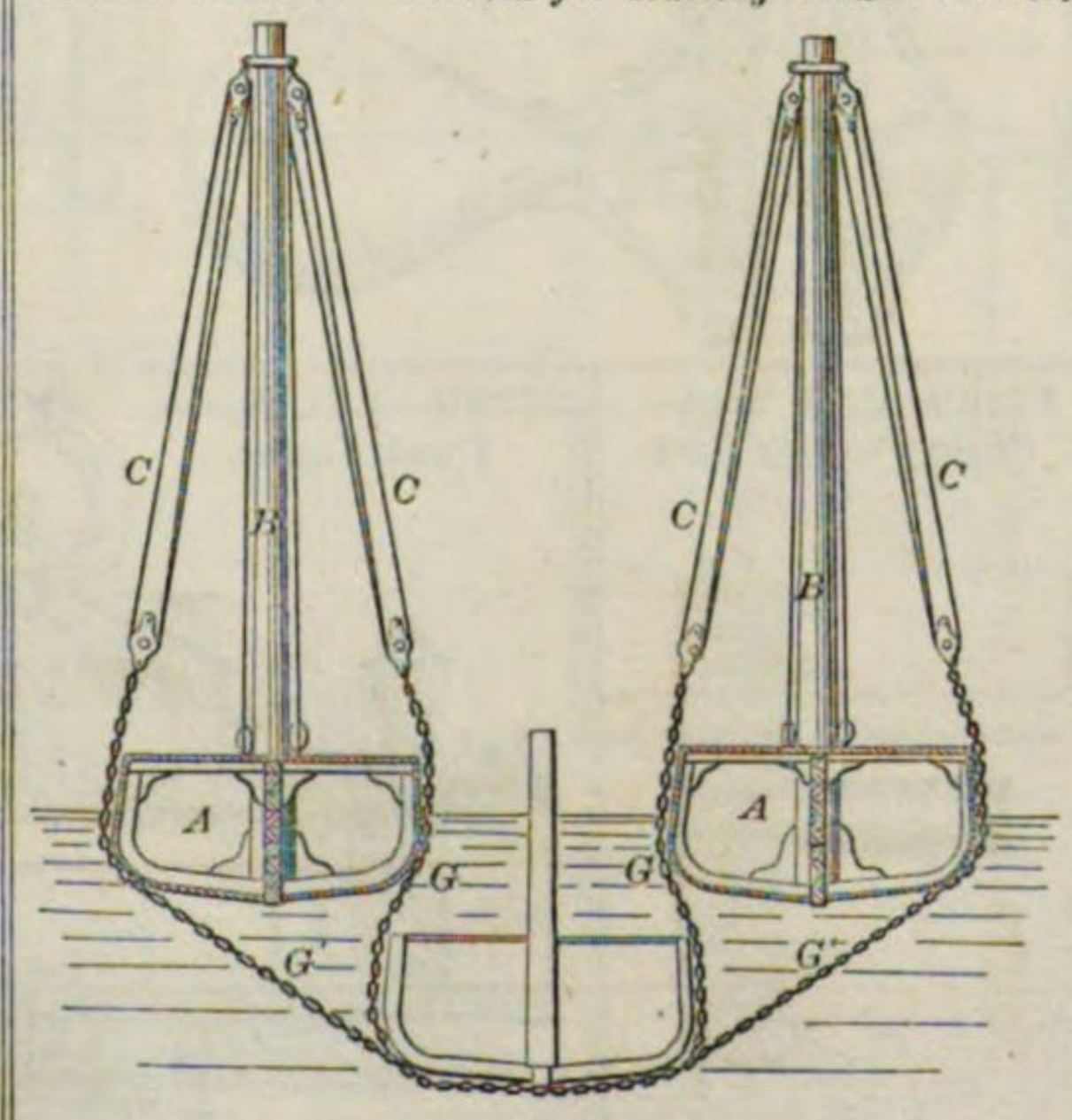
57181—E. M. Payne—*Bed Bottom.*



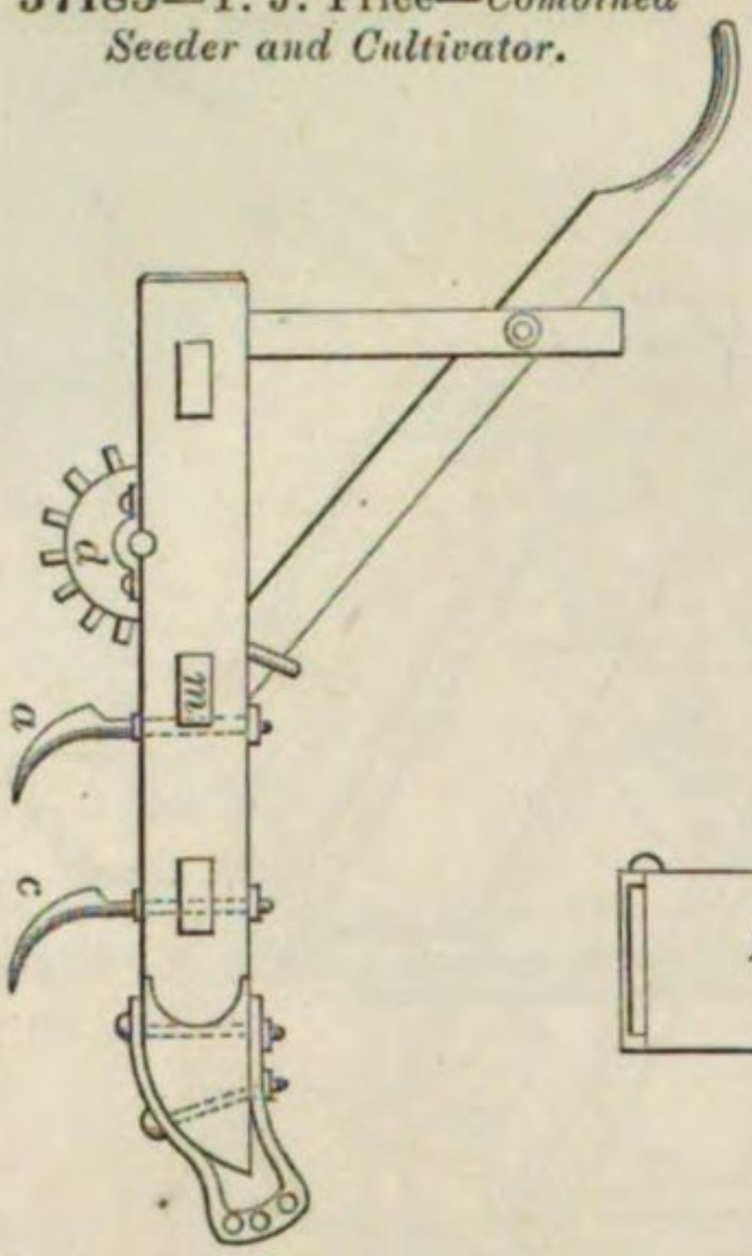
57182—A. Peeler—*Writing and Printing Machine.*



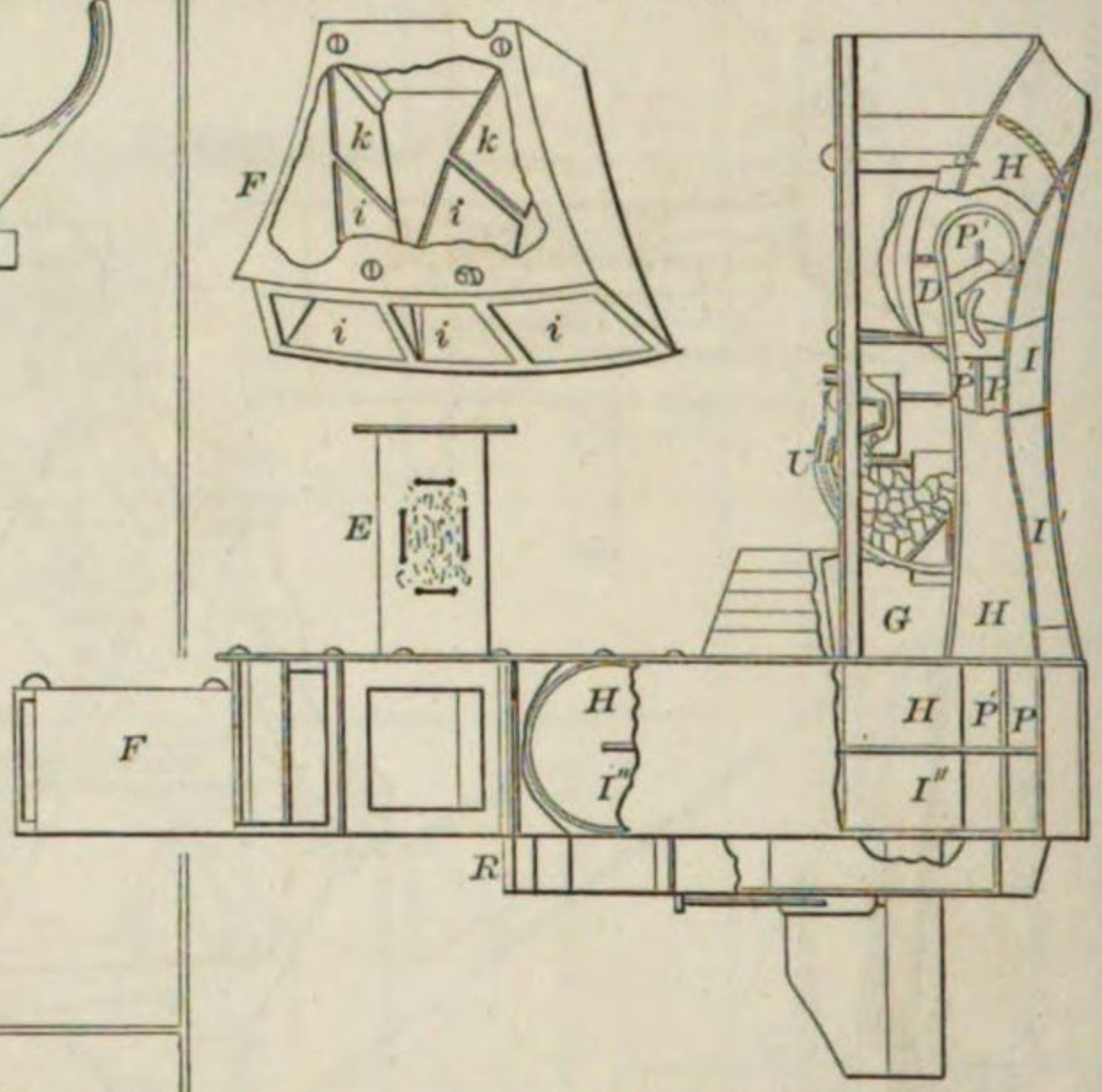
57183—S. Petre—*Derrick for Raising Sunken Vessels.*

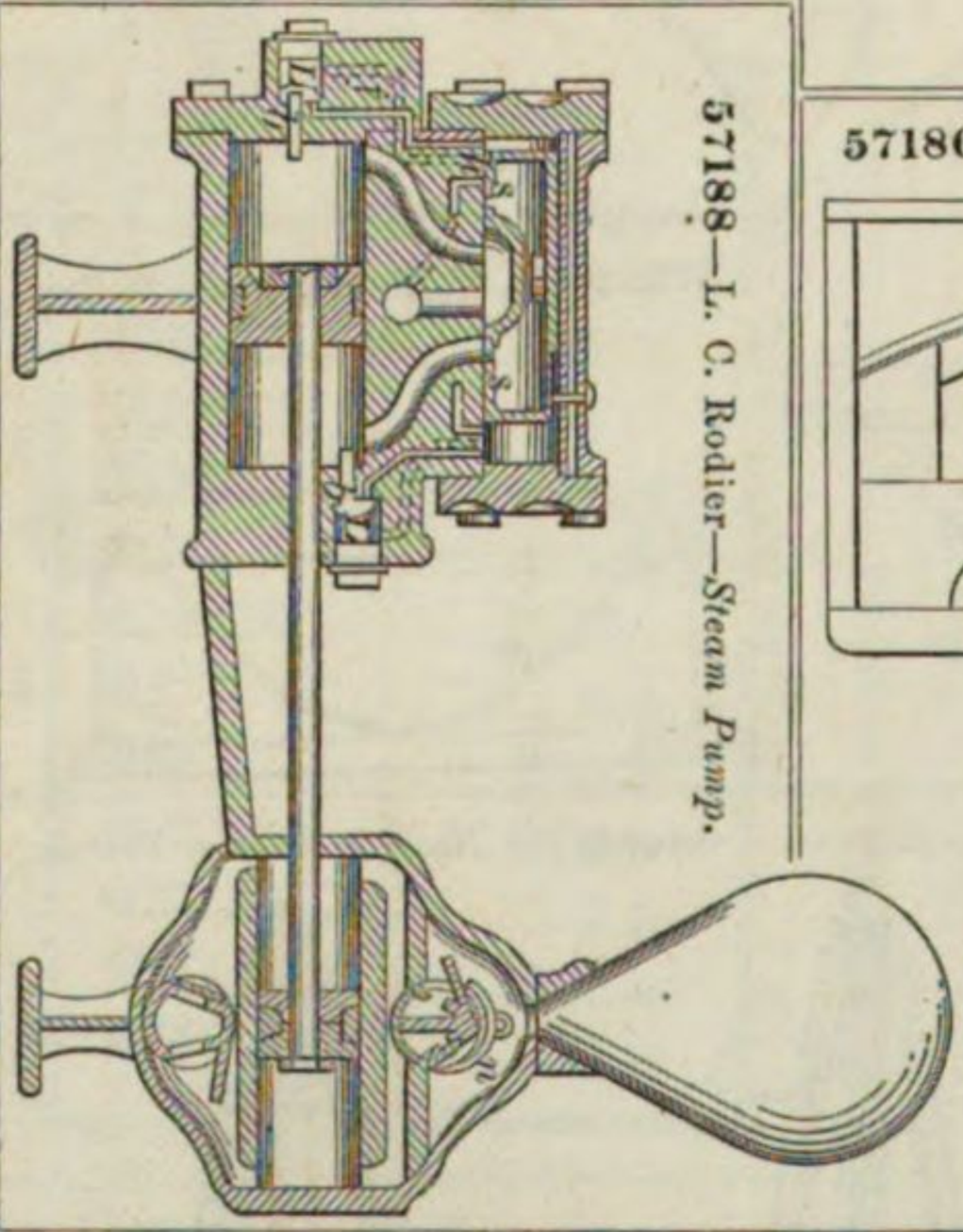


57185—T. J. Price—*Combined Seeder and Cultivator.*



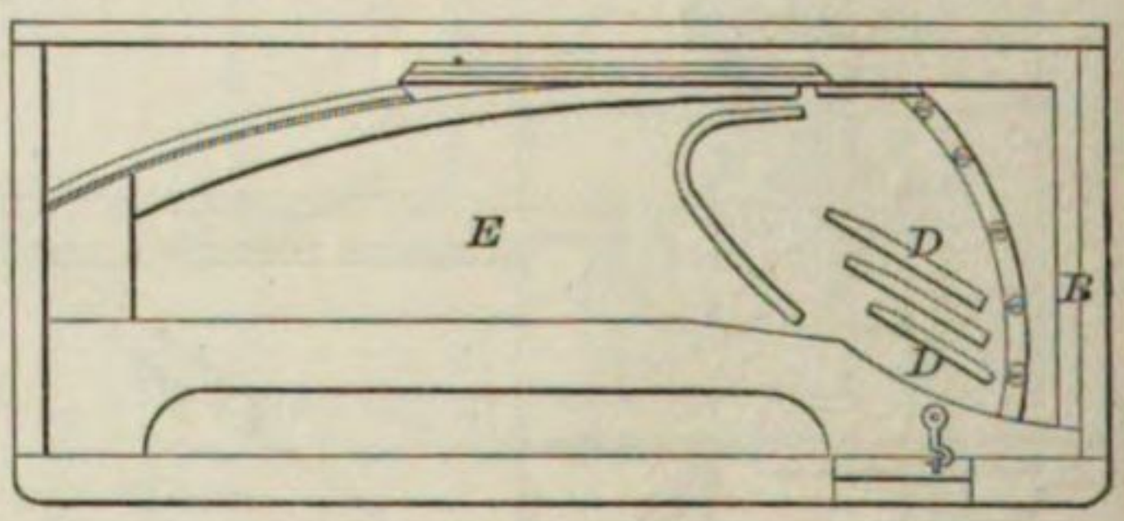
57187—C. R. Rand—*Heating Furnace.*

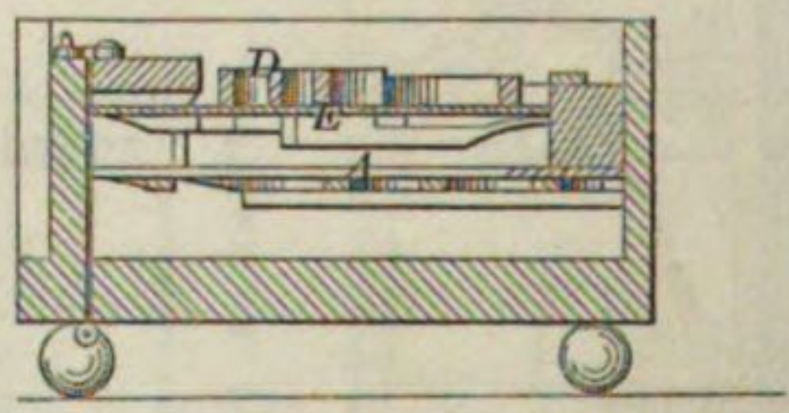




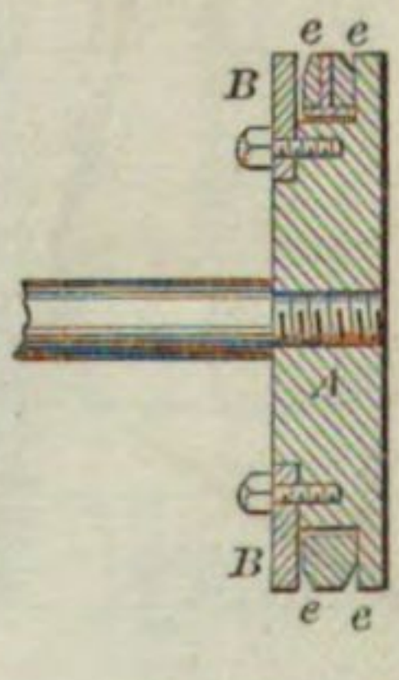
57188—L. C. Rodier—*Steam Pump.*

57186—R. Raven—*Piano.*

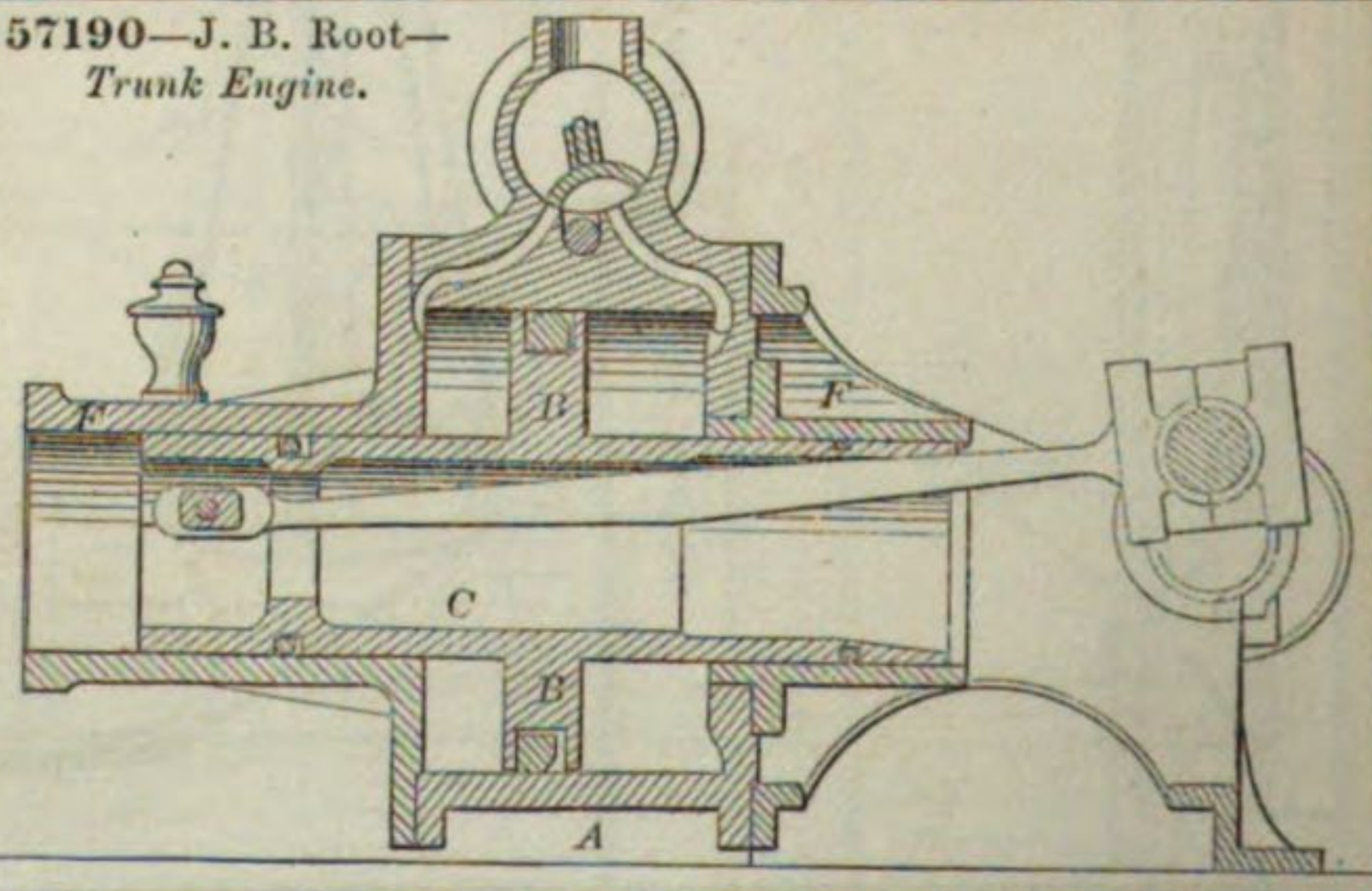




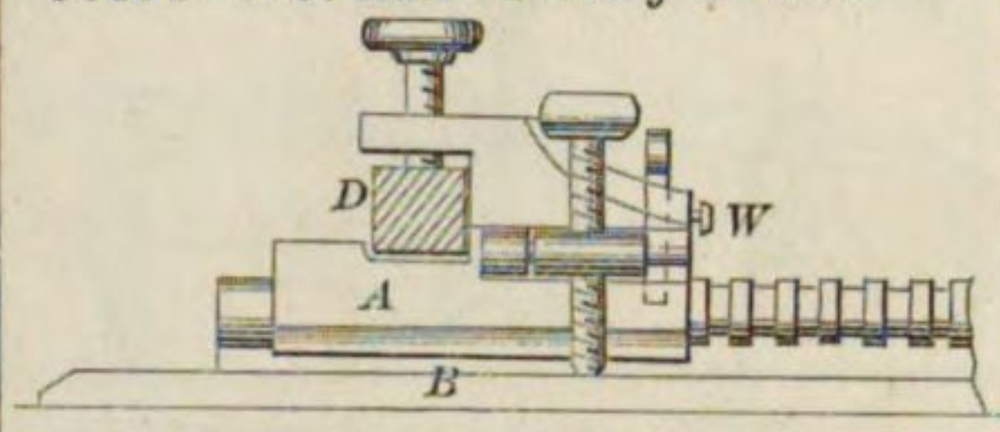
57189—J. B. Root—*Piston Packing Ring.*



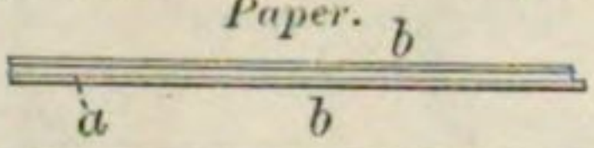
57190—J. B. Root—*Trunk Engine.*



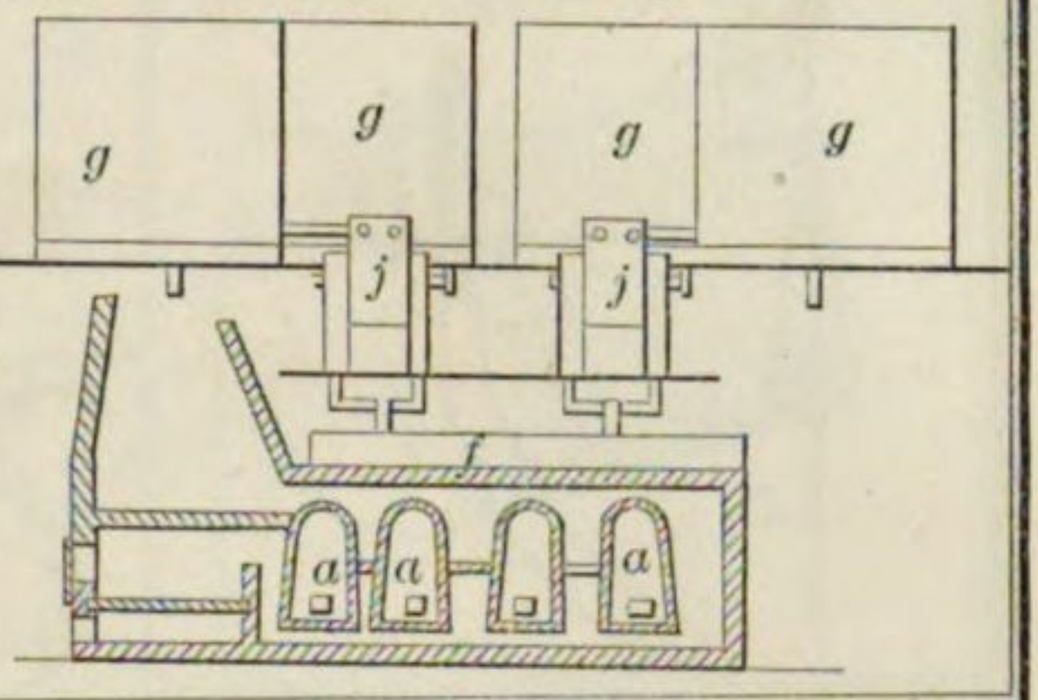
57191—J. J. Russ—*Planing Machine.*



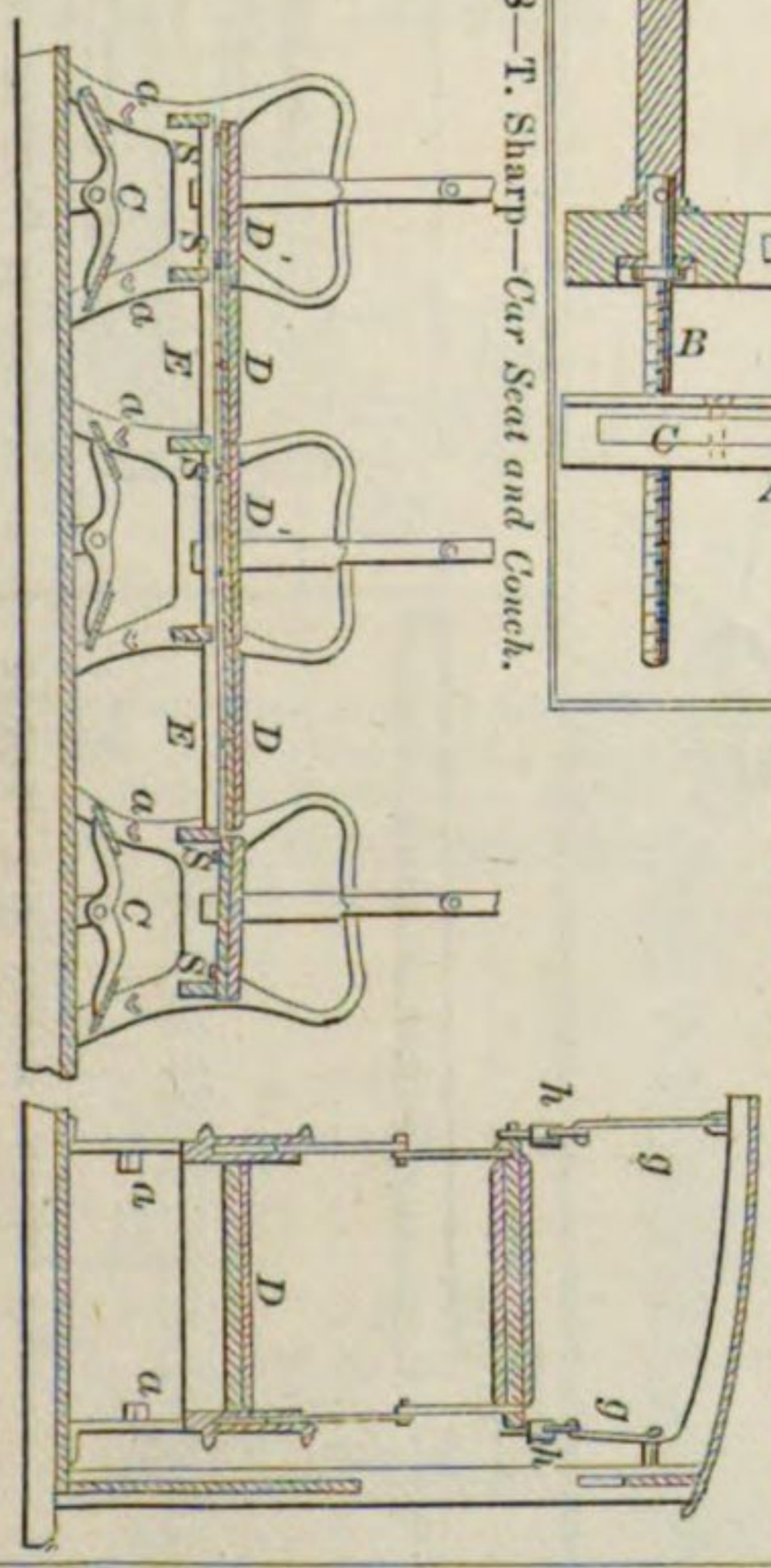
57192—W. A. Russell—*Manufacture of Paper.*



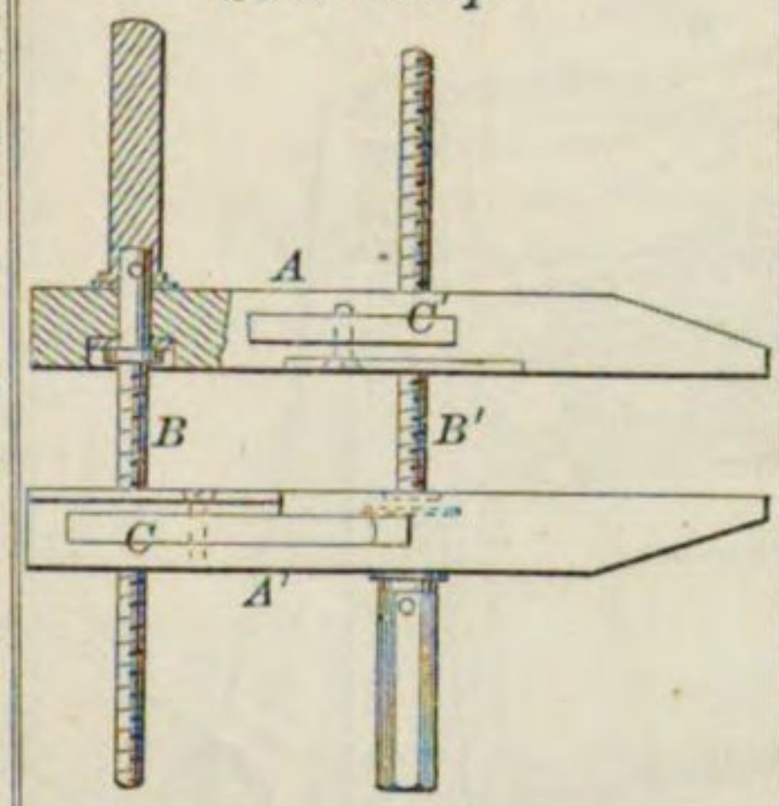
57194—V. B. Ryerson—*Desulphurizing Ores.*



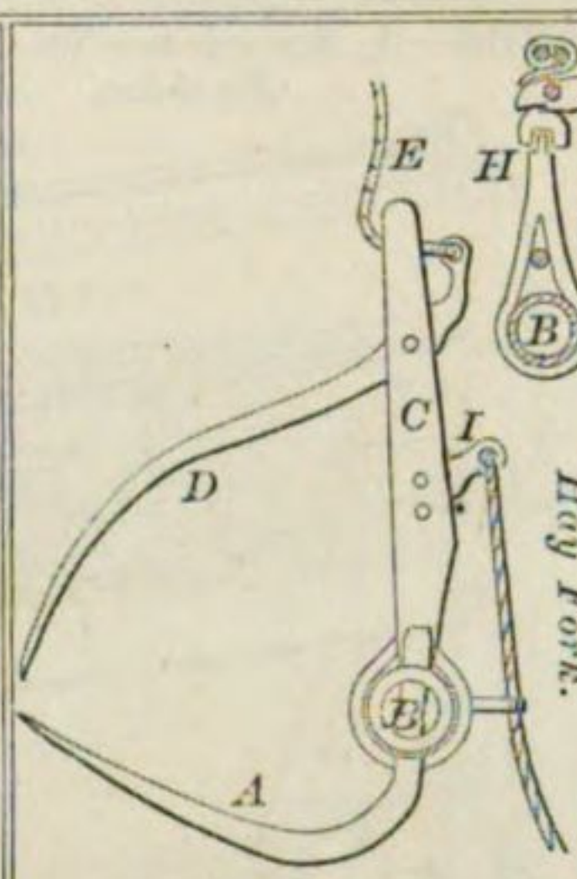
57198—T. Sharp—*Car Seat and Couch.*



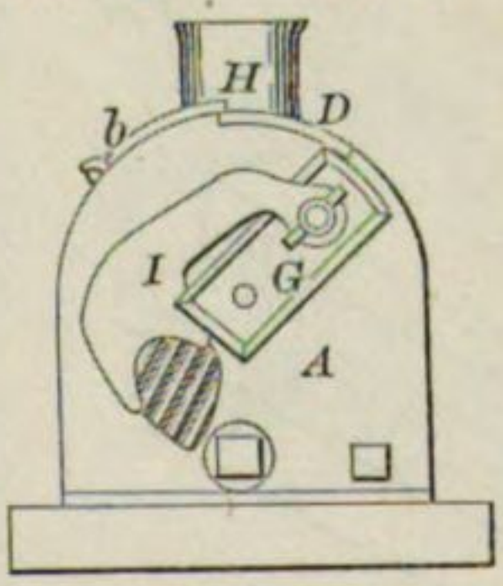
57195—H. Schmidt—*Hand Screw Clamp.*



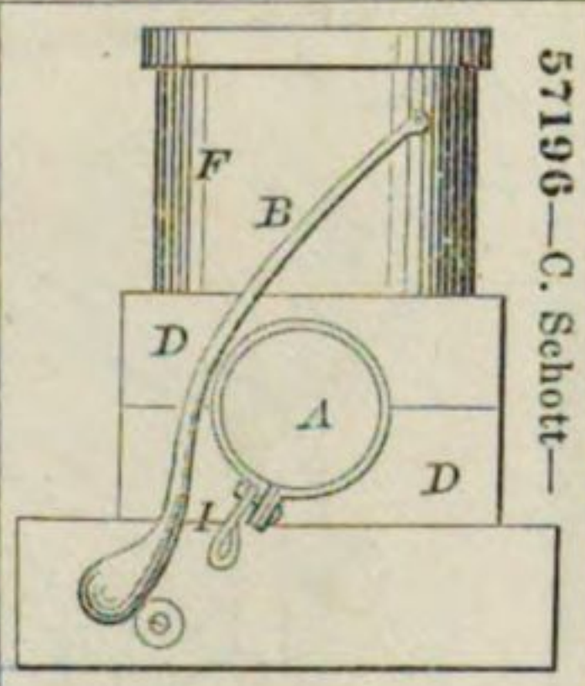
57193—A. V. Ryder—*Horse Hay Fork.*

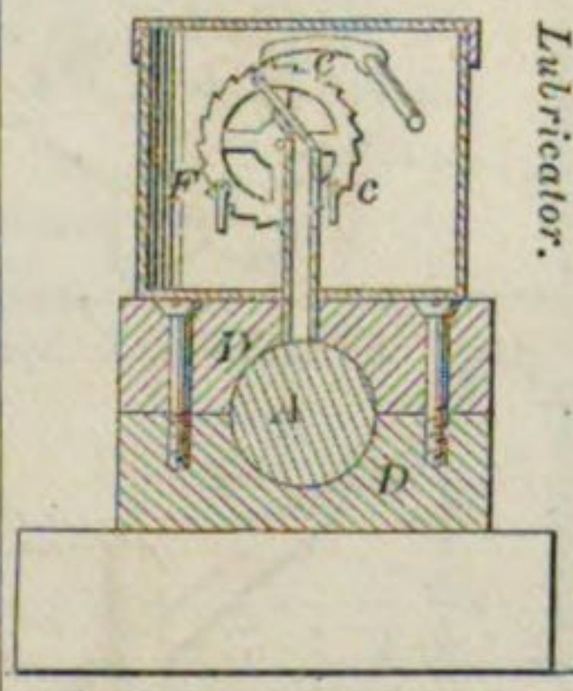


57197—J. Segondy—*Sausage Meat Cutter.*

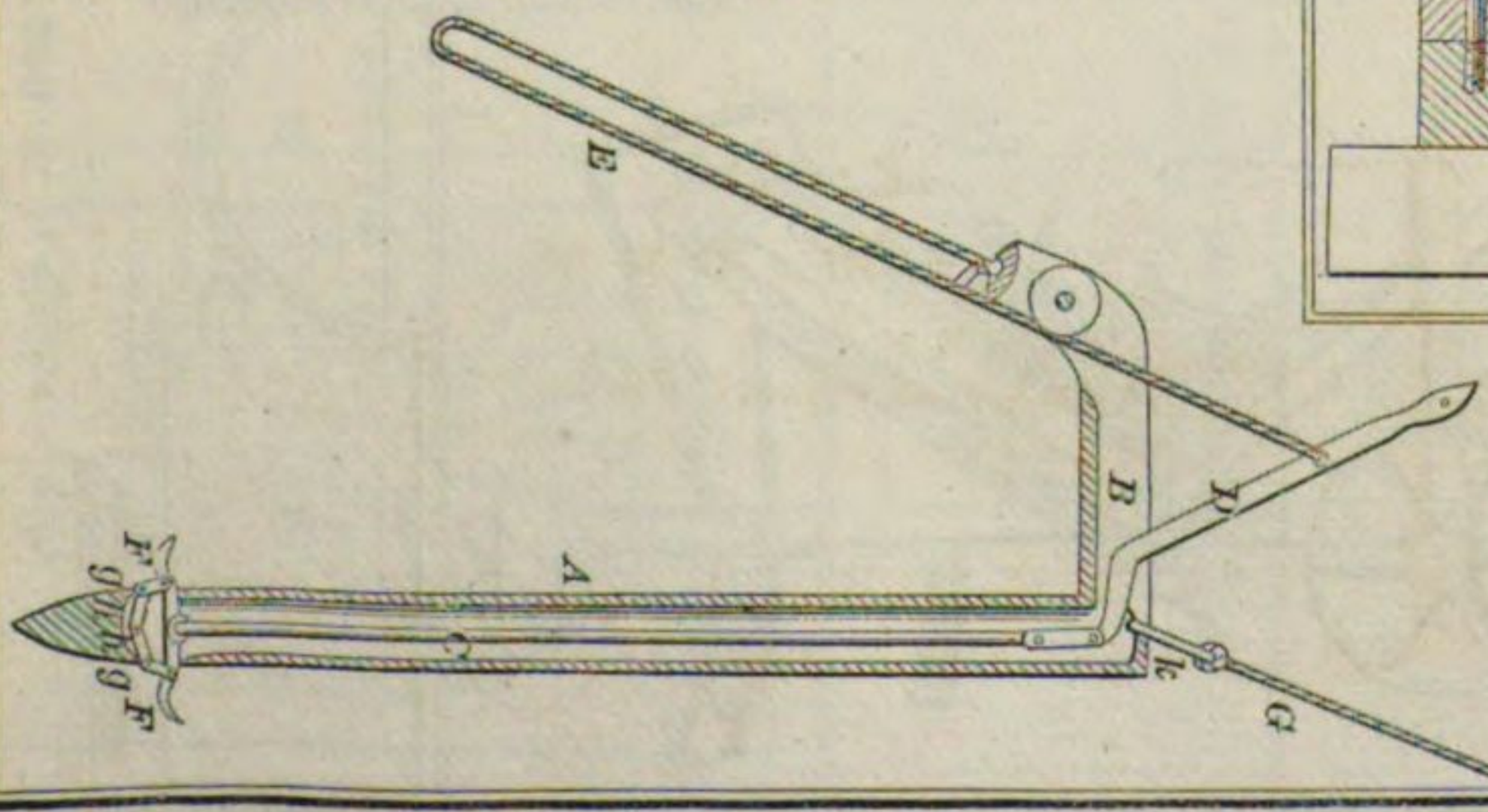


57196—C. Schott—*Lubricator.*

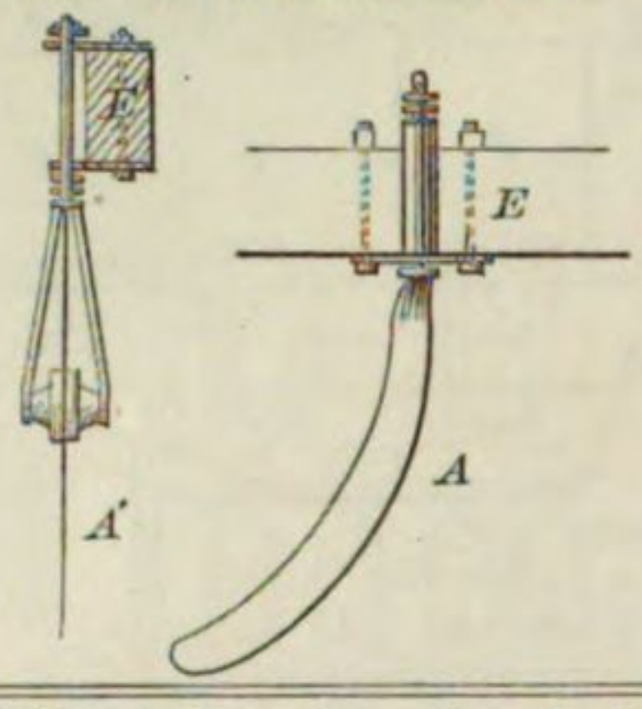




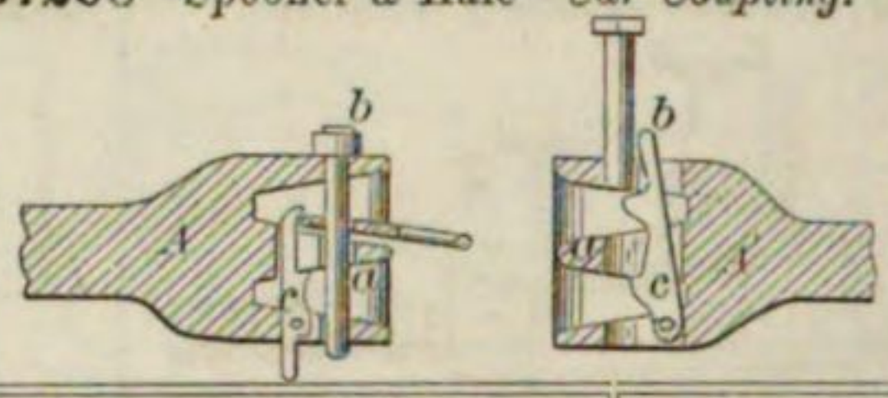
57199—E. Shorkley—*Horse Hay Fork.*



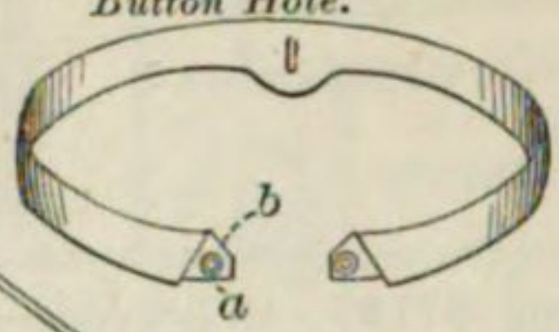
57200—J. B. Skinner—*Plow.*



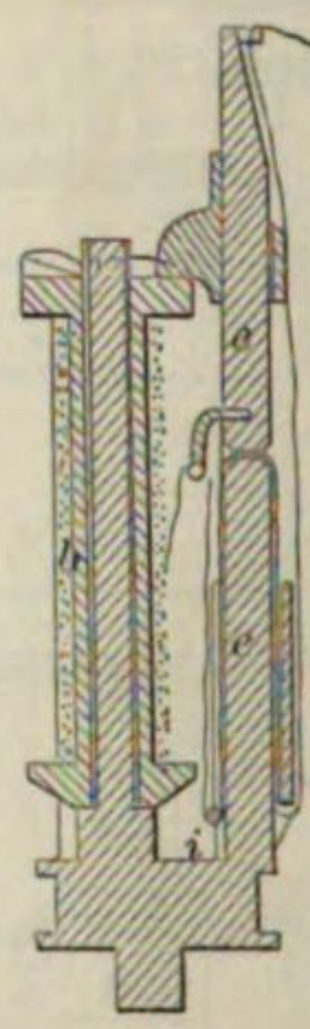
57208—Spooner & Hale—*Car Coupling.*



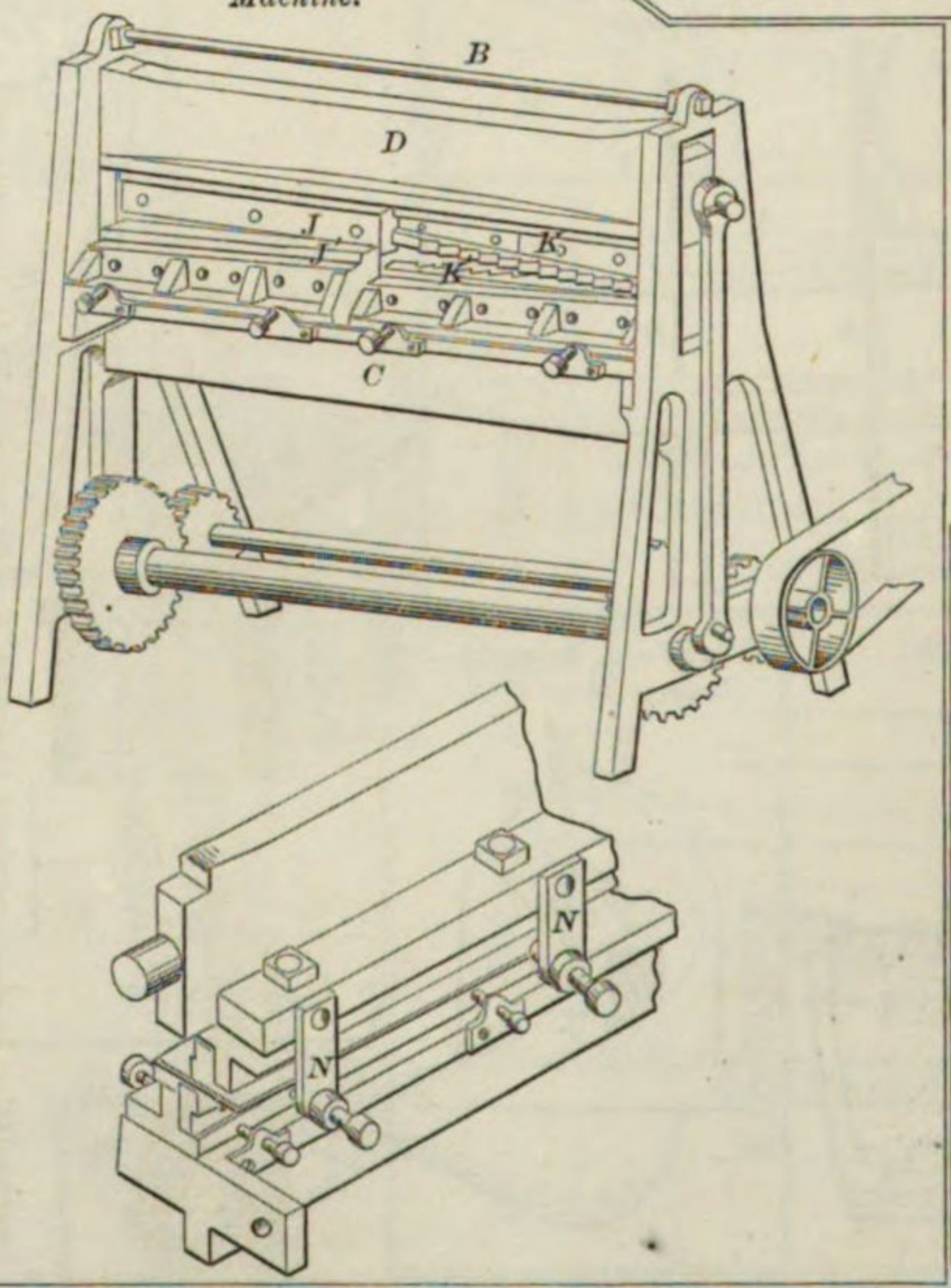
57202—C. D. Smith—*Button Hole.*



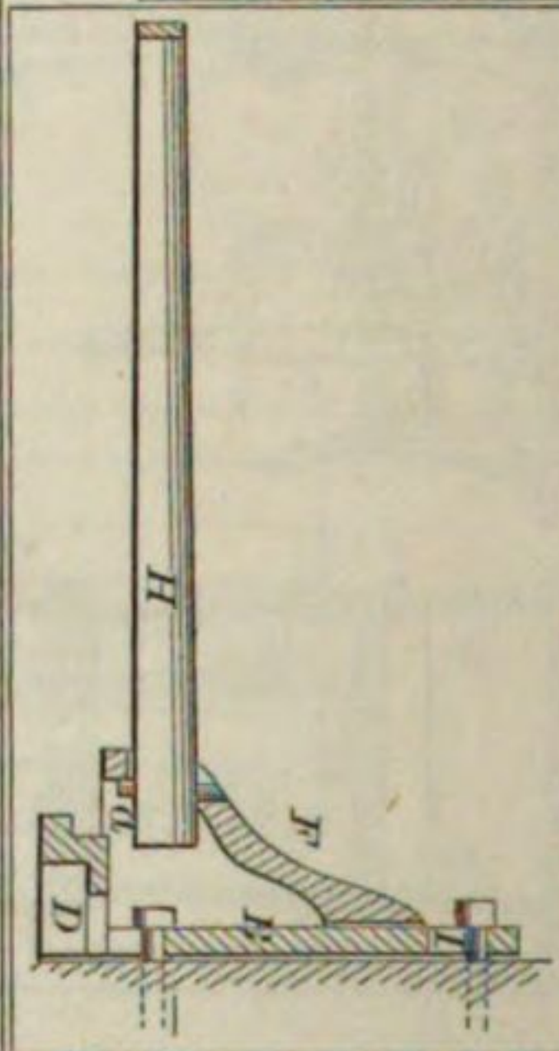
57201—T. J. Sloan—*Braiding Machine.*



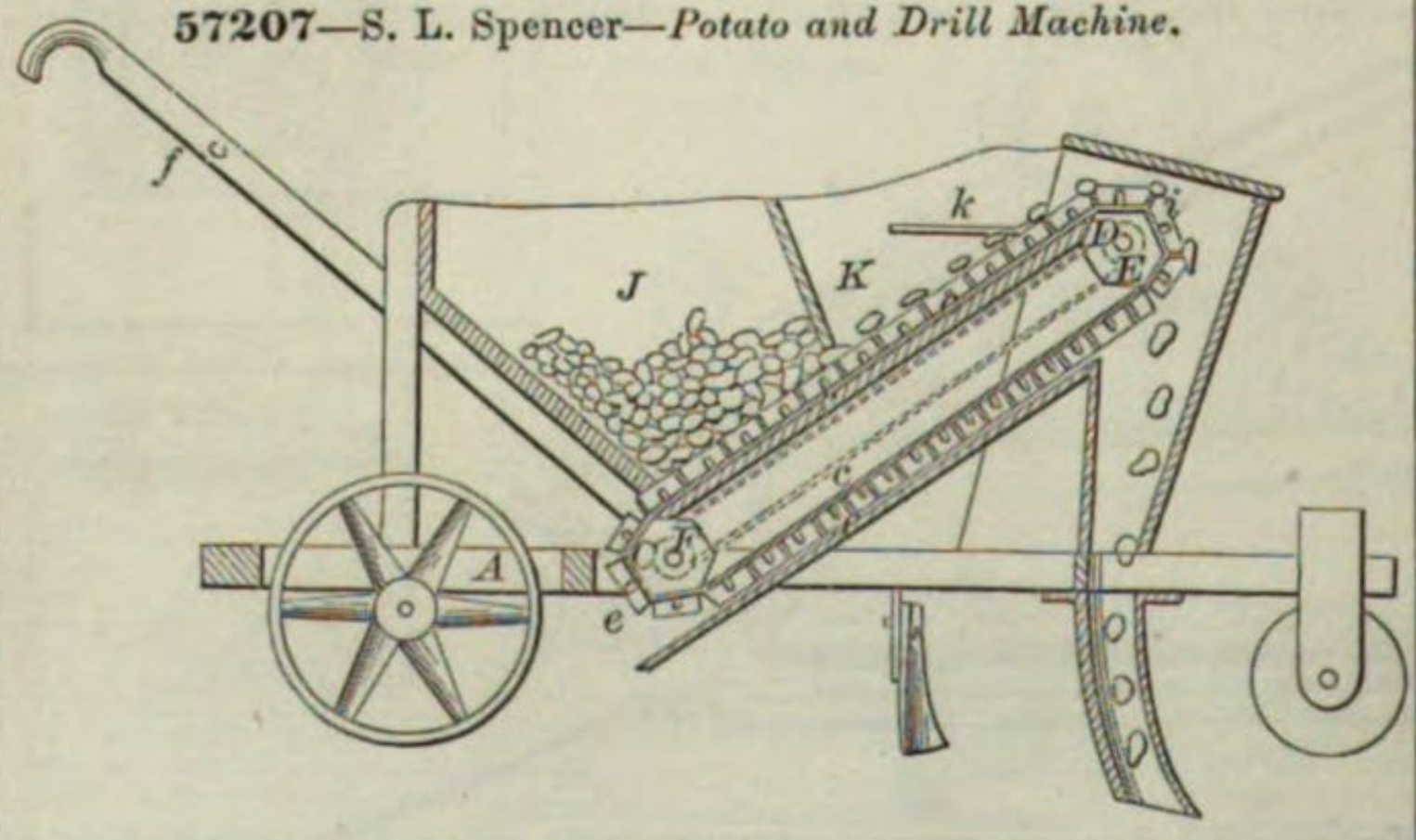
57205—A. Snowden—*Saw Toothing Machine.*



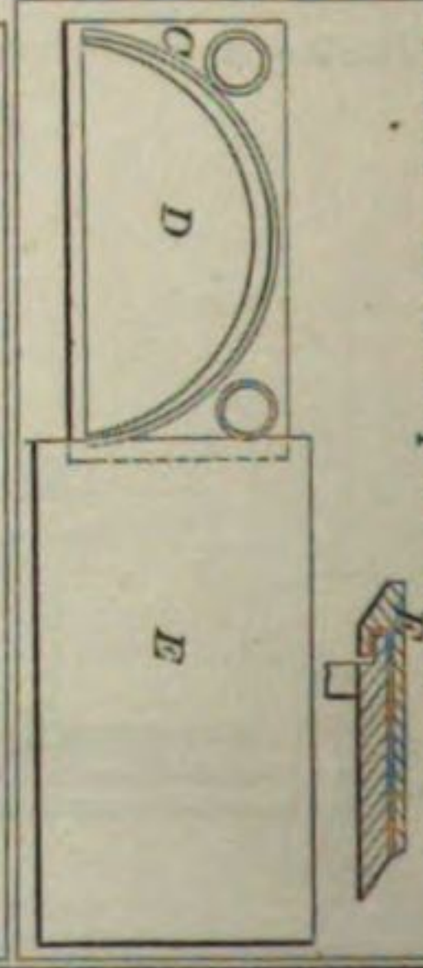
57204—T. F. Snover—*Clothes Dryer.*



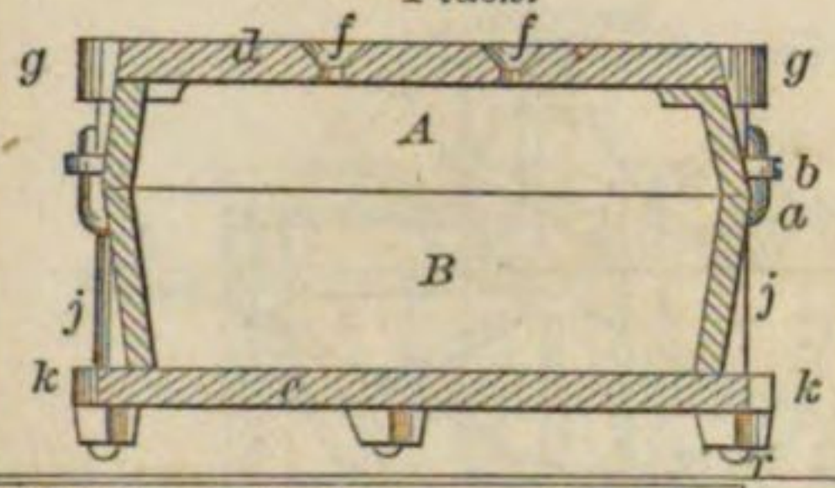
57207—S. L. Spencer—*Potato and Drill Machine.*



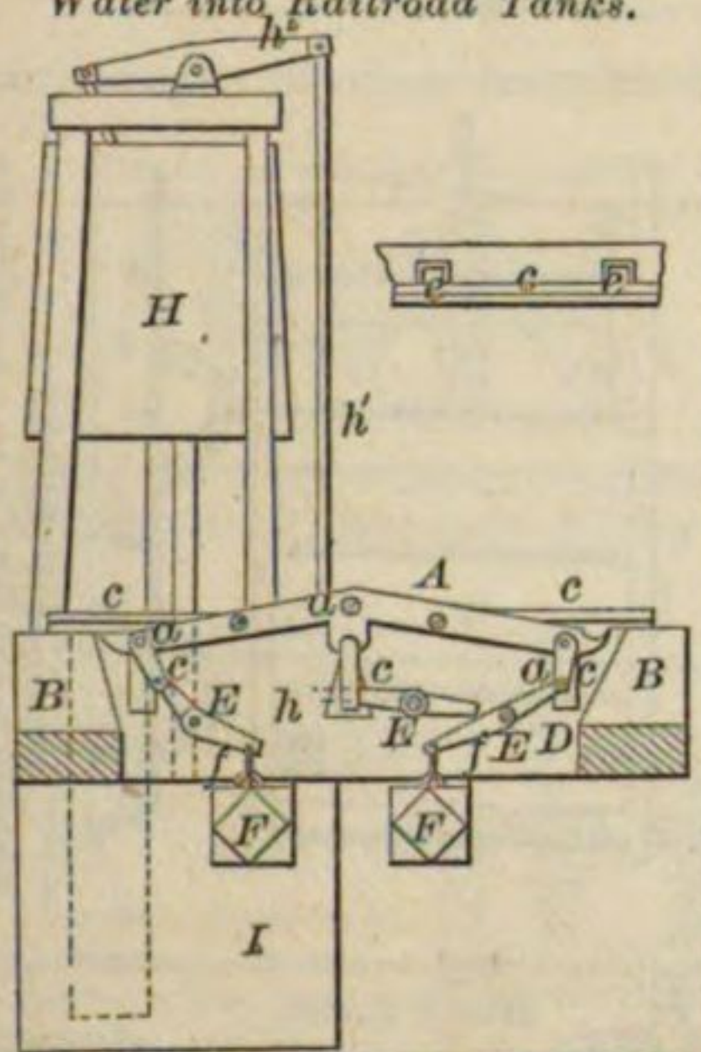
57209—E. L. Staples—*Table.*



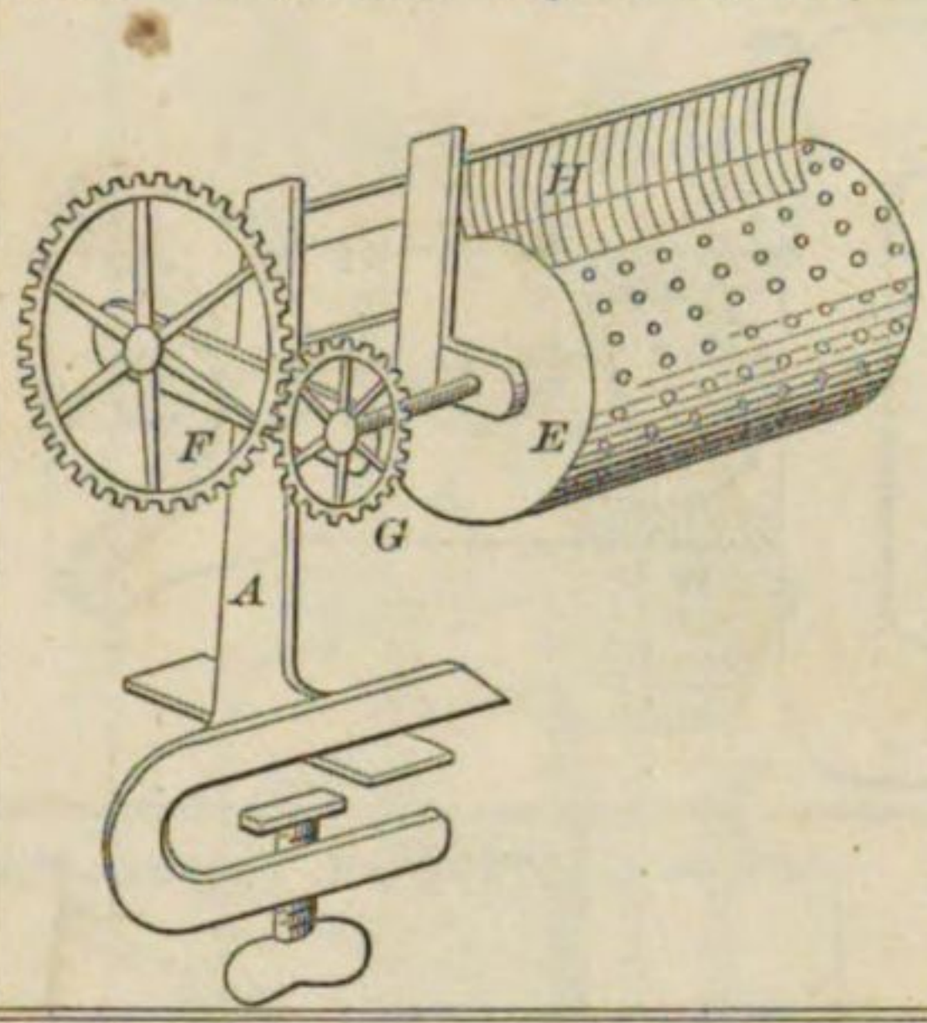
57210—E. T. Starr—*Dentist's Vulcanizing Flask.*



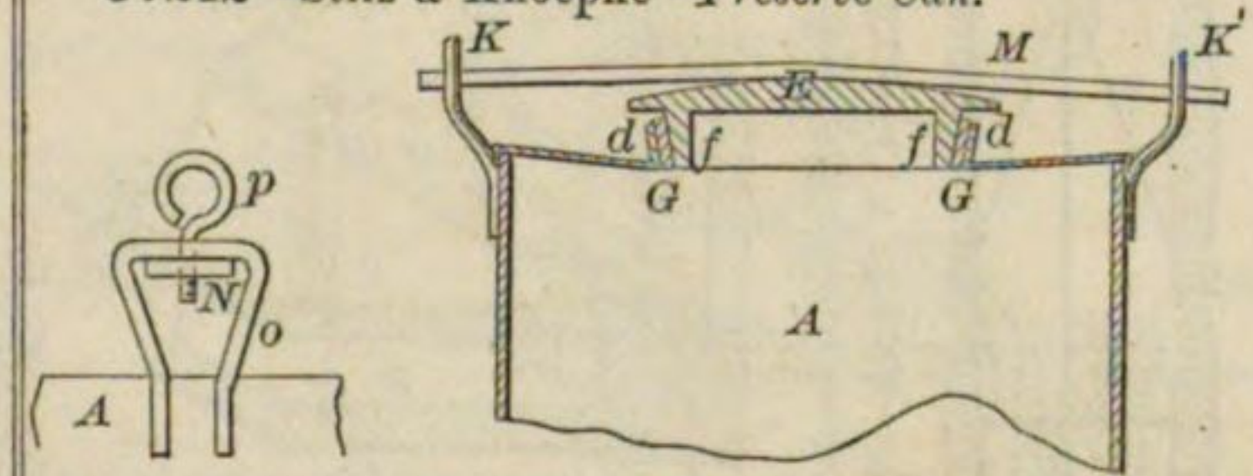
57211—C. L. Stevens—*Elevating Water into Railroad Tanks.*



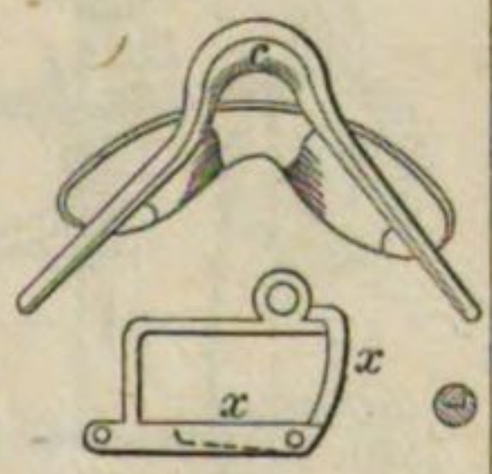
57213—E. Stimson—*Vegetable Grater.*



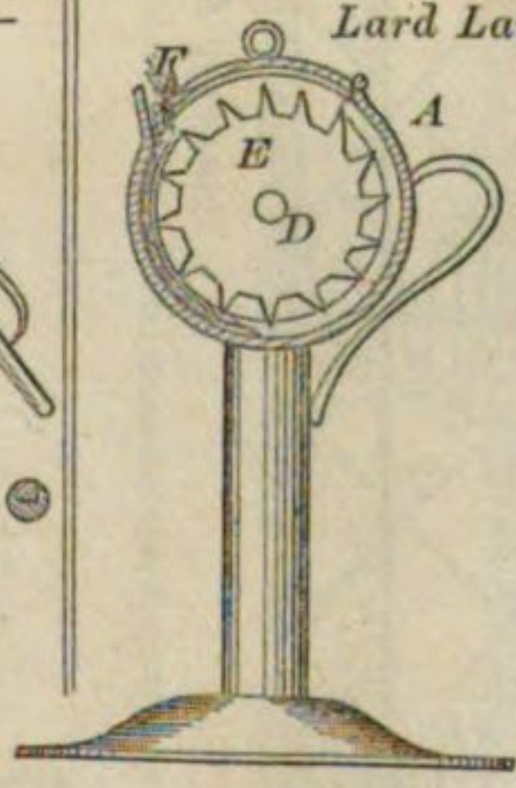
57212—Stilz & Knoepke—*Preserve Can.*



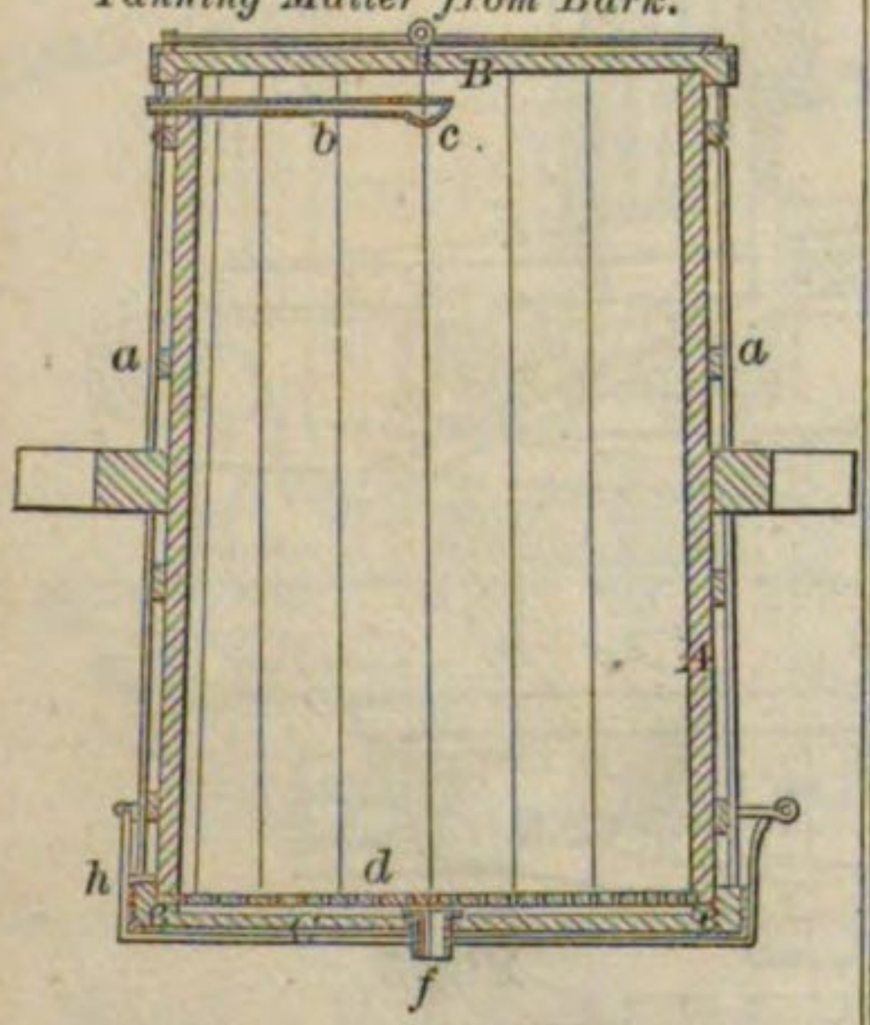
57214—Stockton & Smoot—*Saddle.*



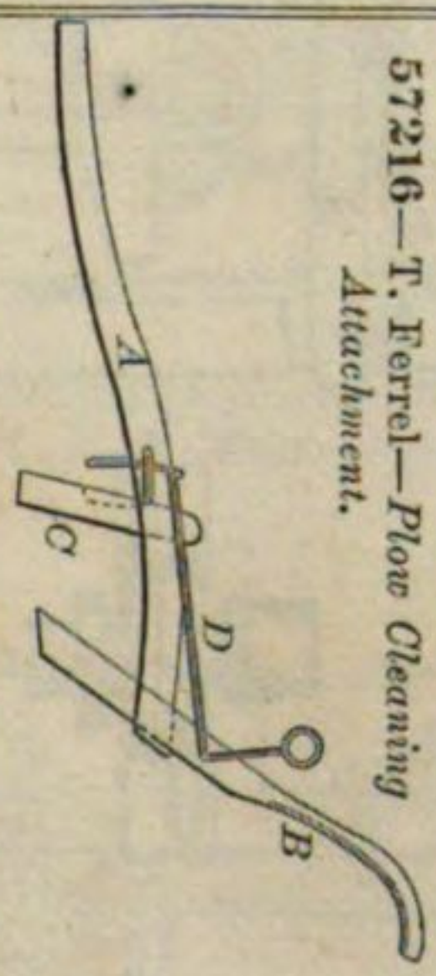
57215—T. Ferrel—*Lard Lamp.*



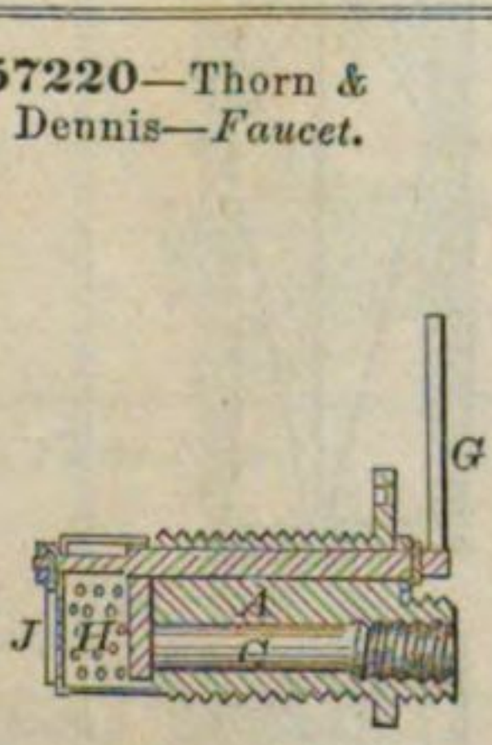
57218—N. S. Thomas—*For Extracting Tanning Matter from Bark.*

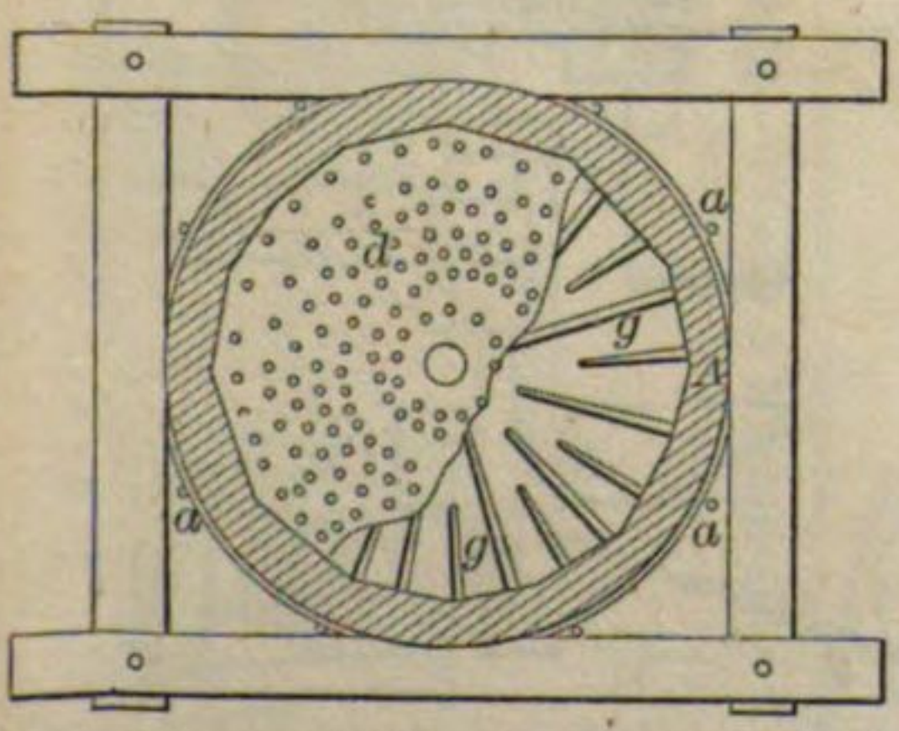


57216—T. Ferrel—*Plow Cleaning Attachment.*

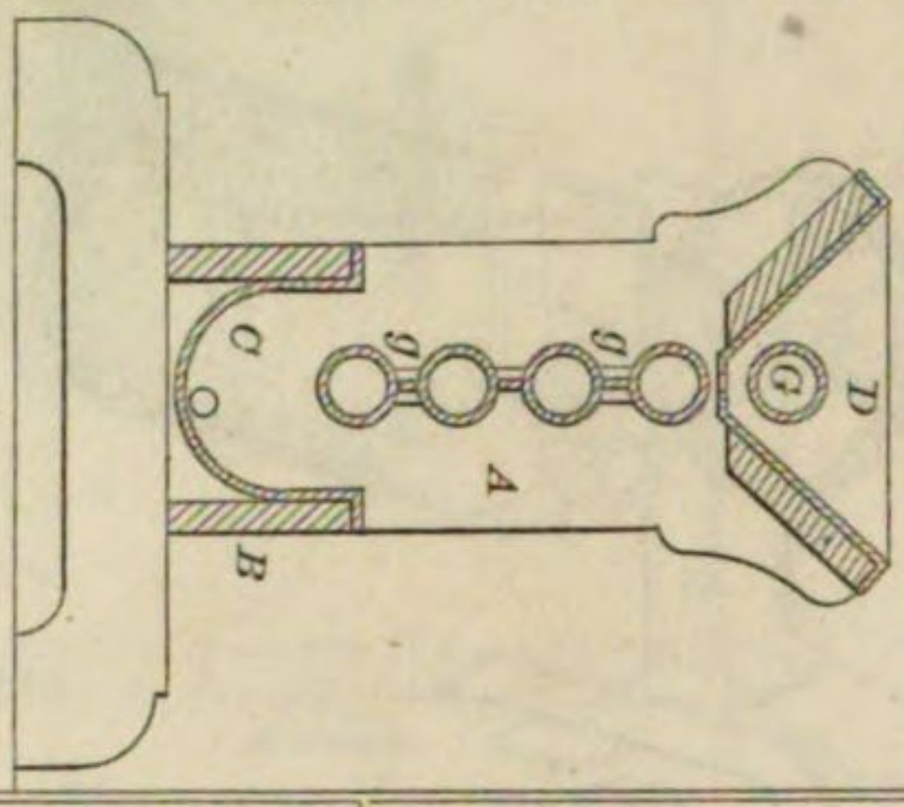


57220—Thorn & Dennis—*Faucet.*

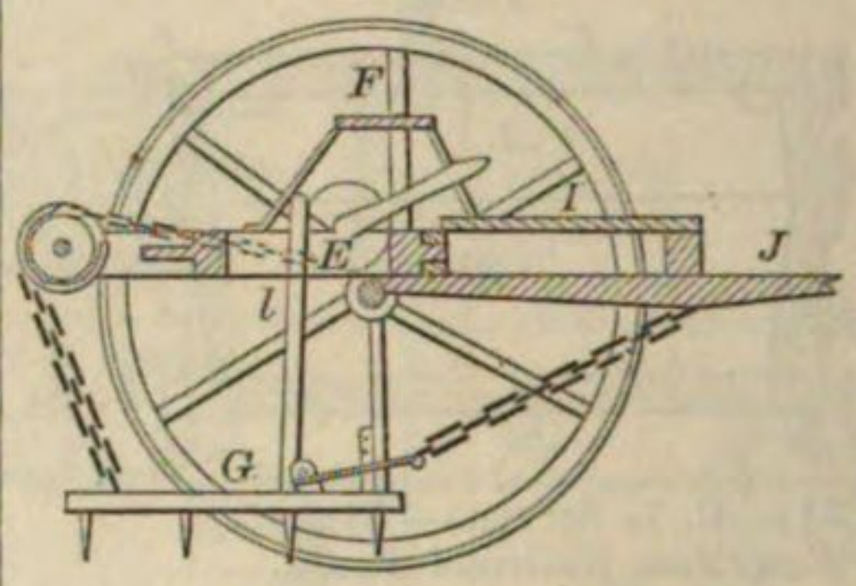




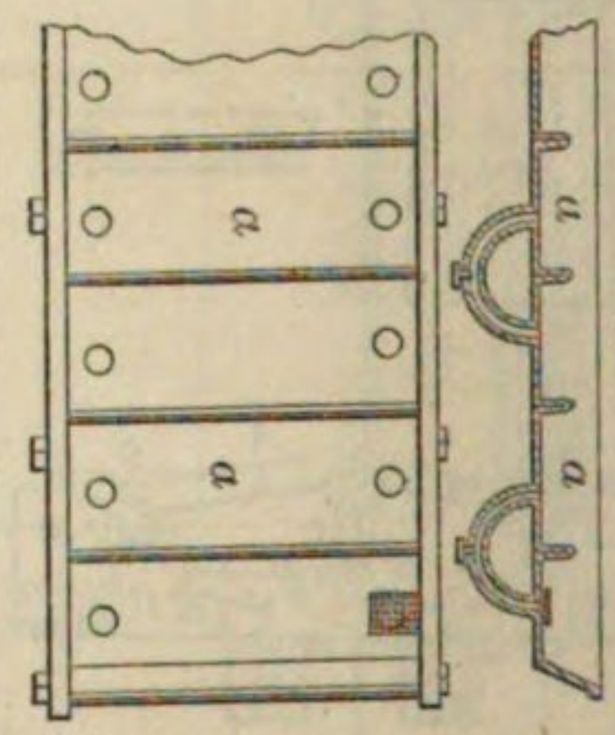
57221—Tschirgi & Kammüller—*Beer Cooler.*



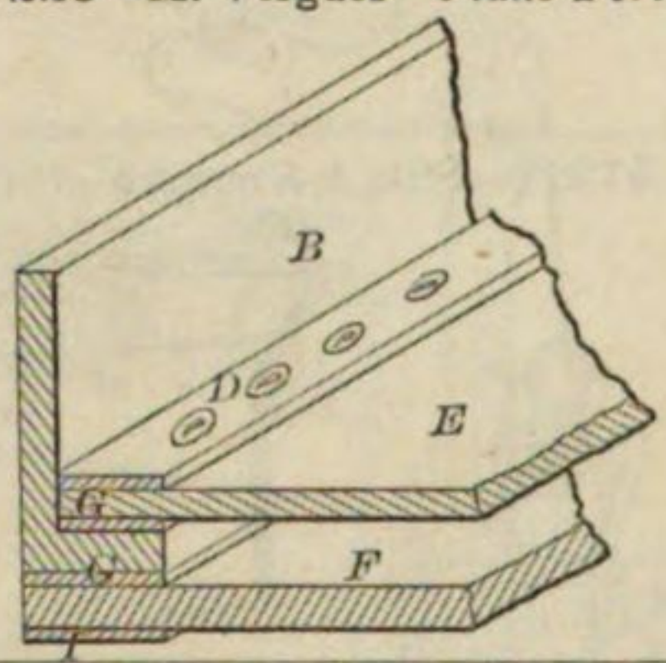
57222—J. W. Tyson—*Cultivator.*



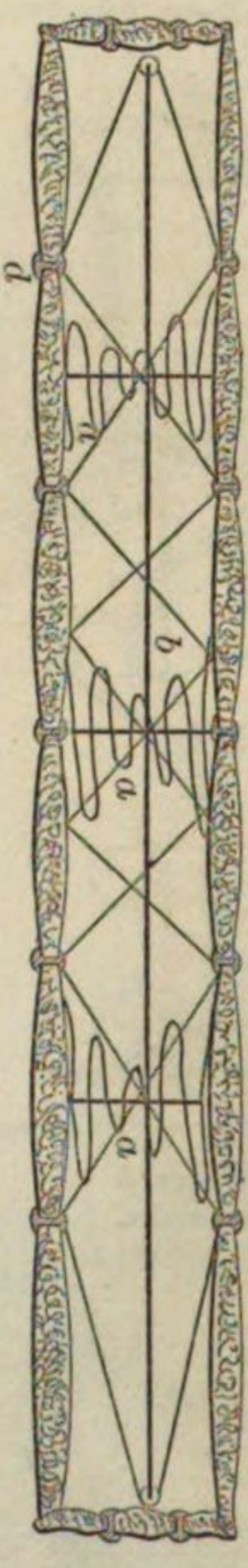
57224—P. C. V. Slyke—*Sorghum Evaporator.*



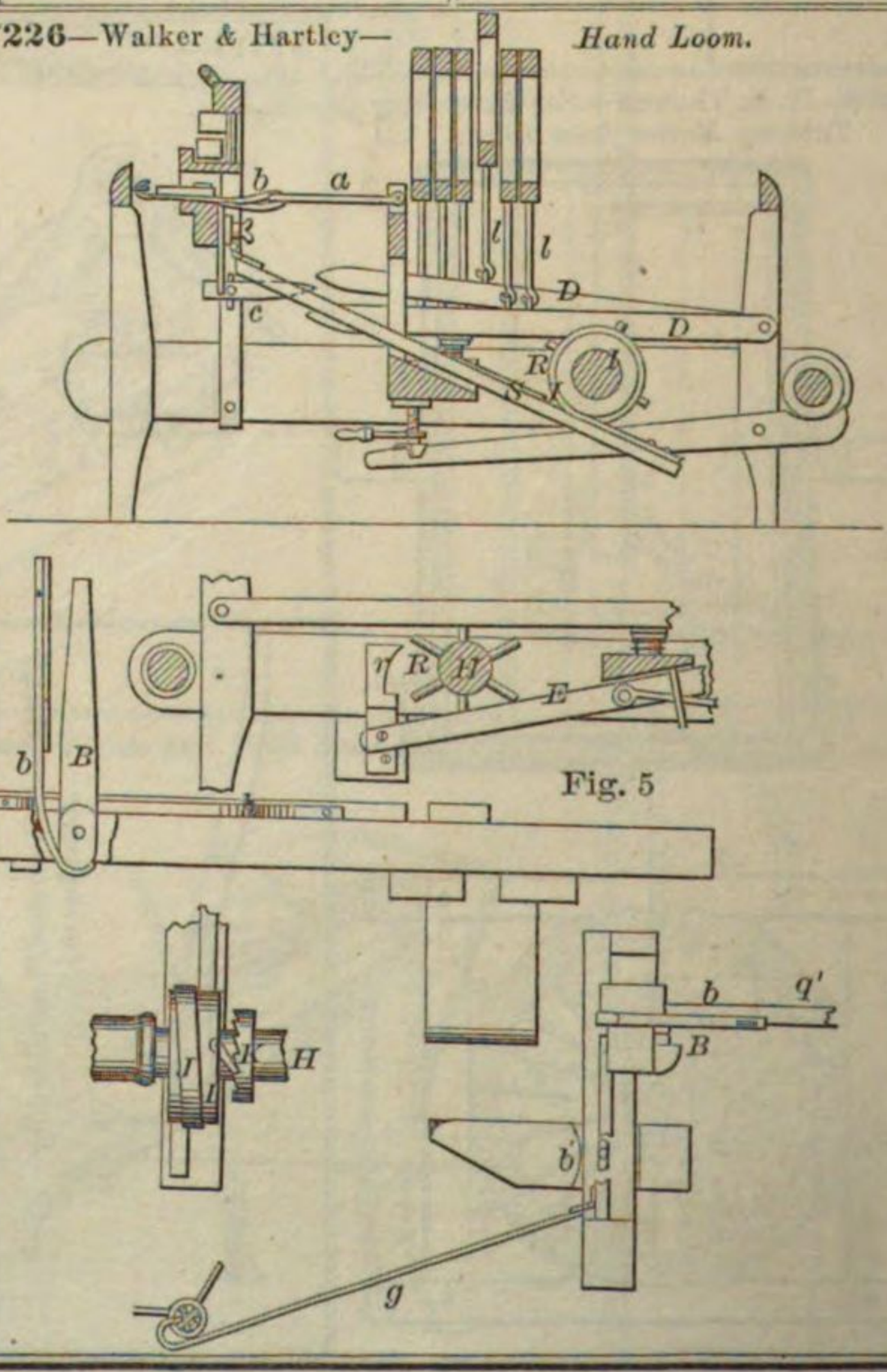
57225—M. Vergues—*Piano Forte.*



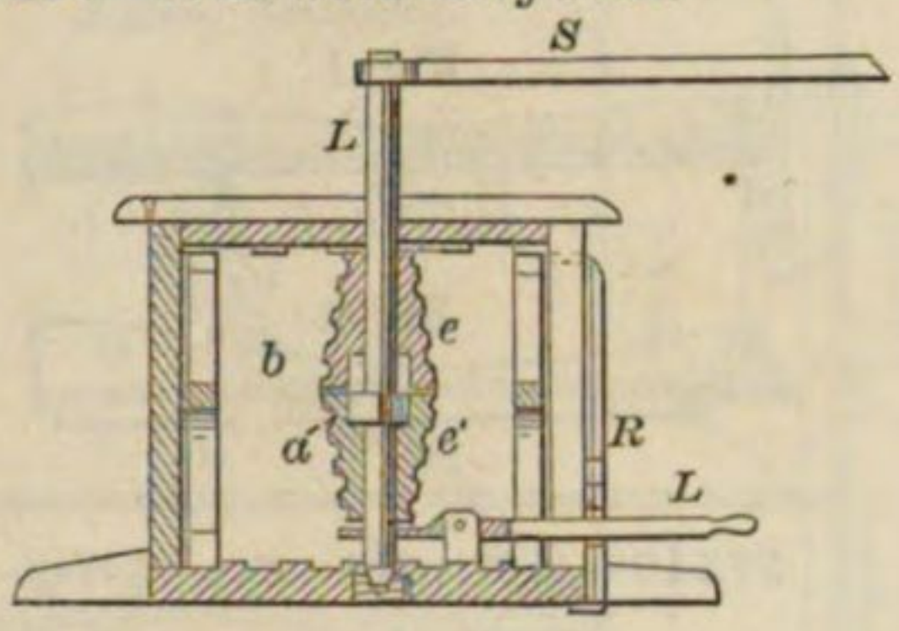
57223—C. V. Dyeck—*Spring Mattrass.*



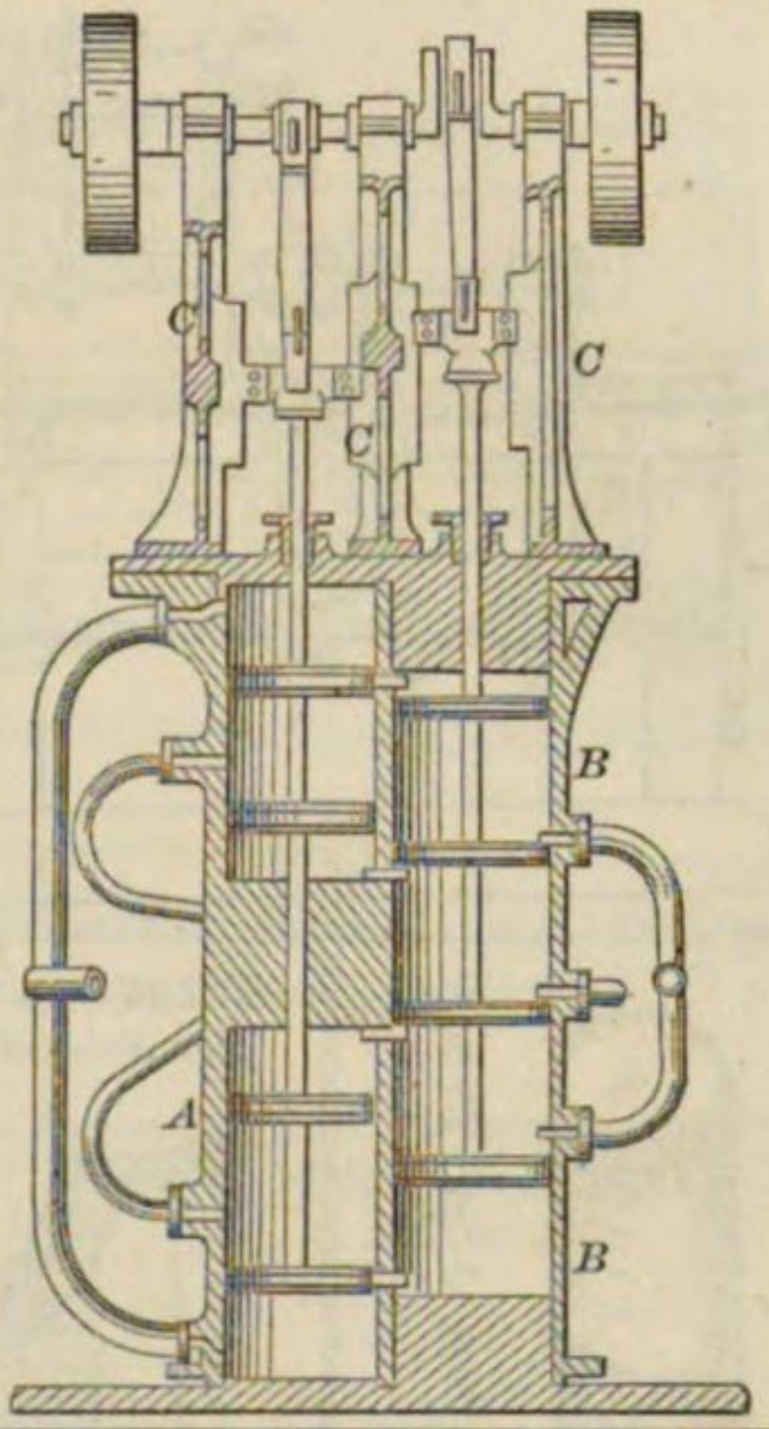
57226—Walker & Hartley—*Hand Loom.*



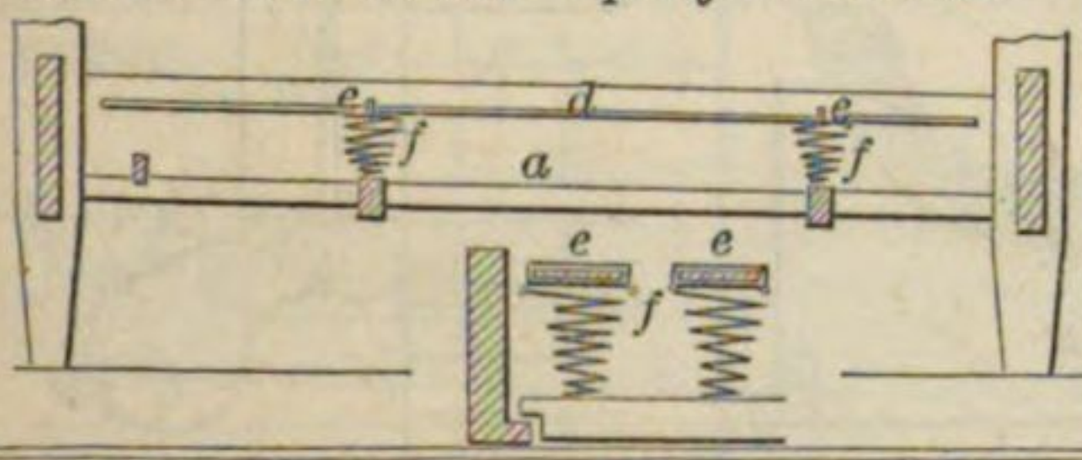
57227—E. A. Ward—*Hay Press.*



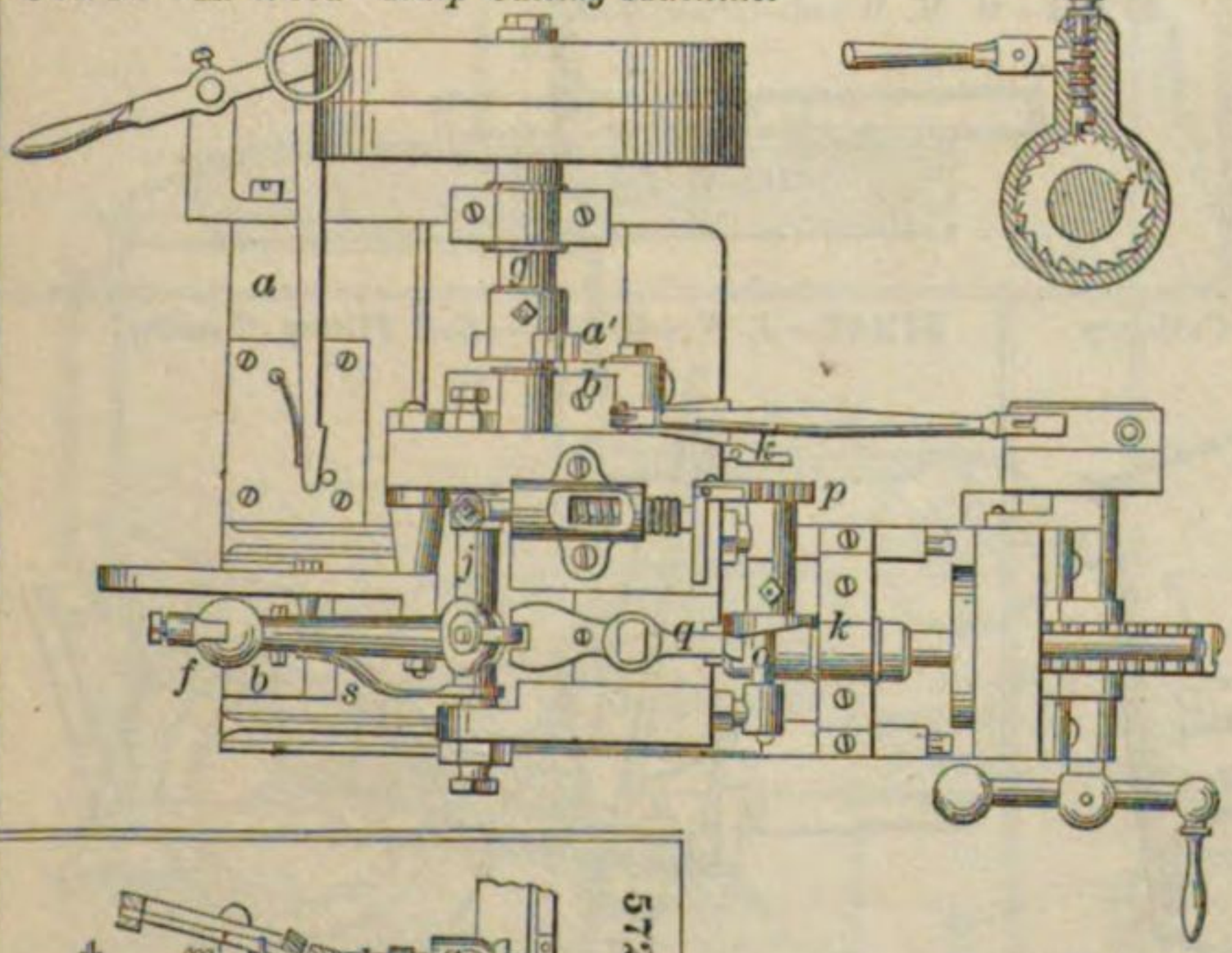
57228—G. I. Washburn—*Steam Engine.*

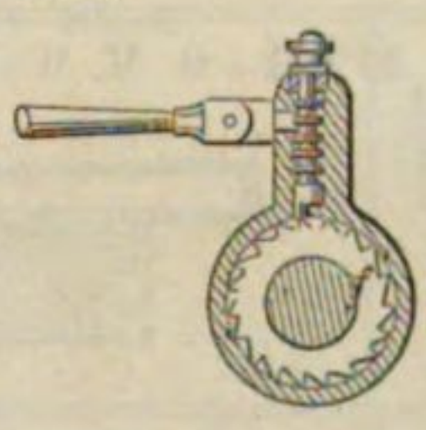


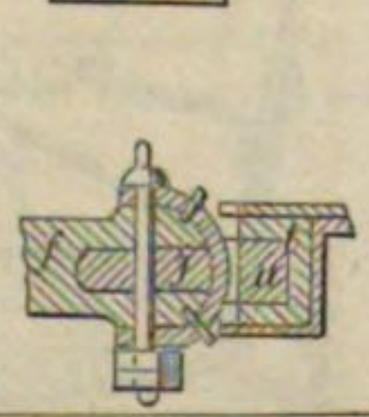
57229—D. P. Webster—*Spring Bed Bottom.*



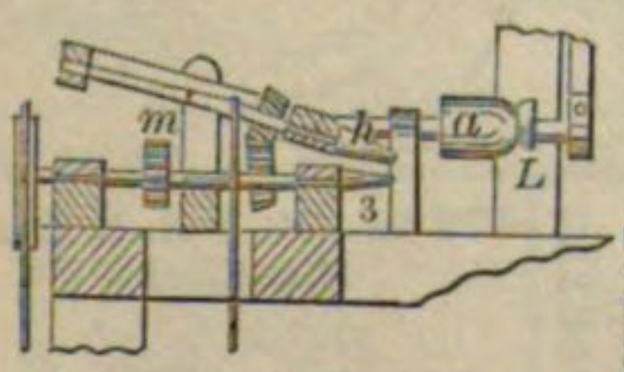
57230—A. Weed—*Rasp Cutting Machine.*

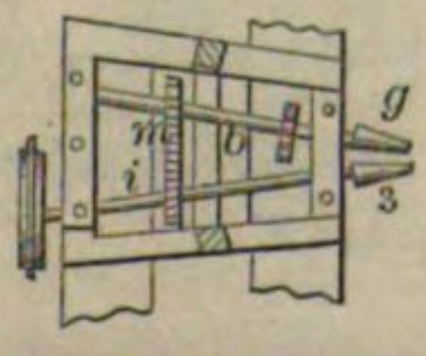




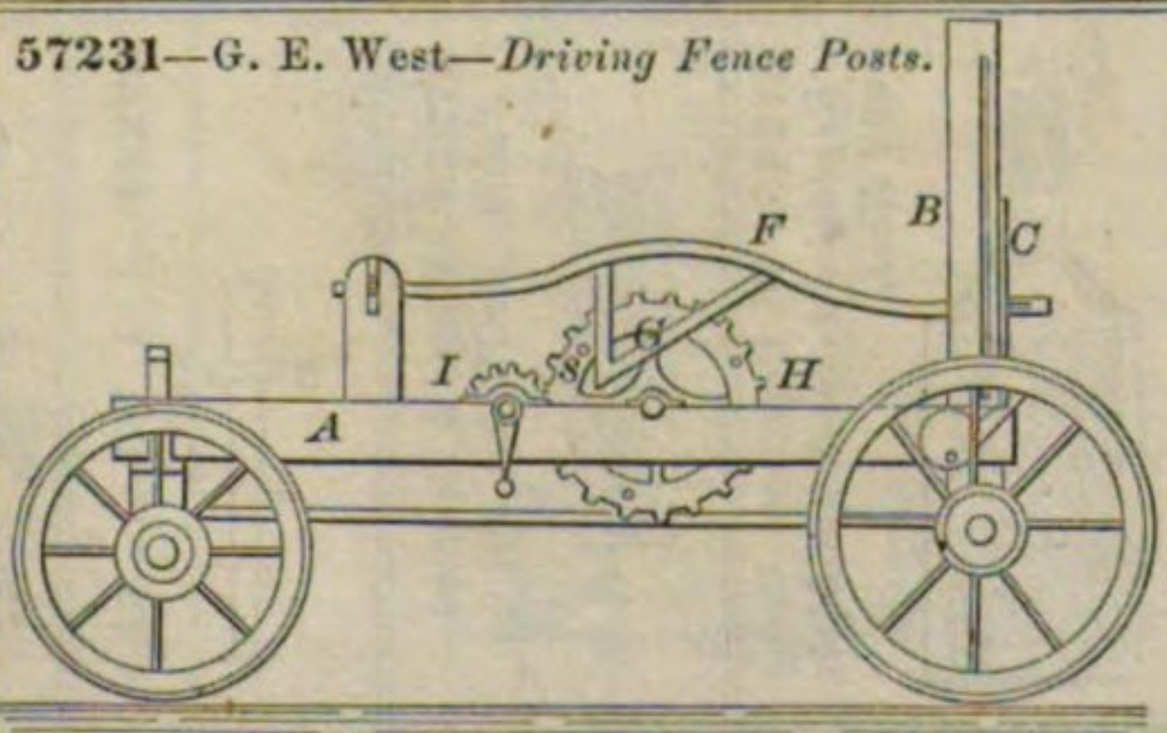


57232—Wheeler & Manley—*Hat Pouncing Machine.*

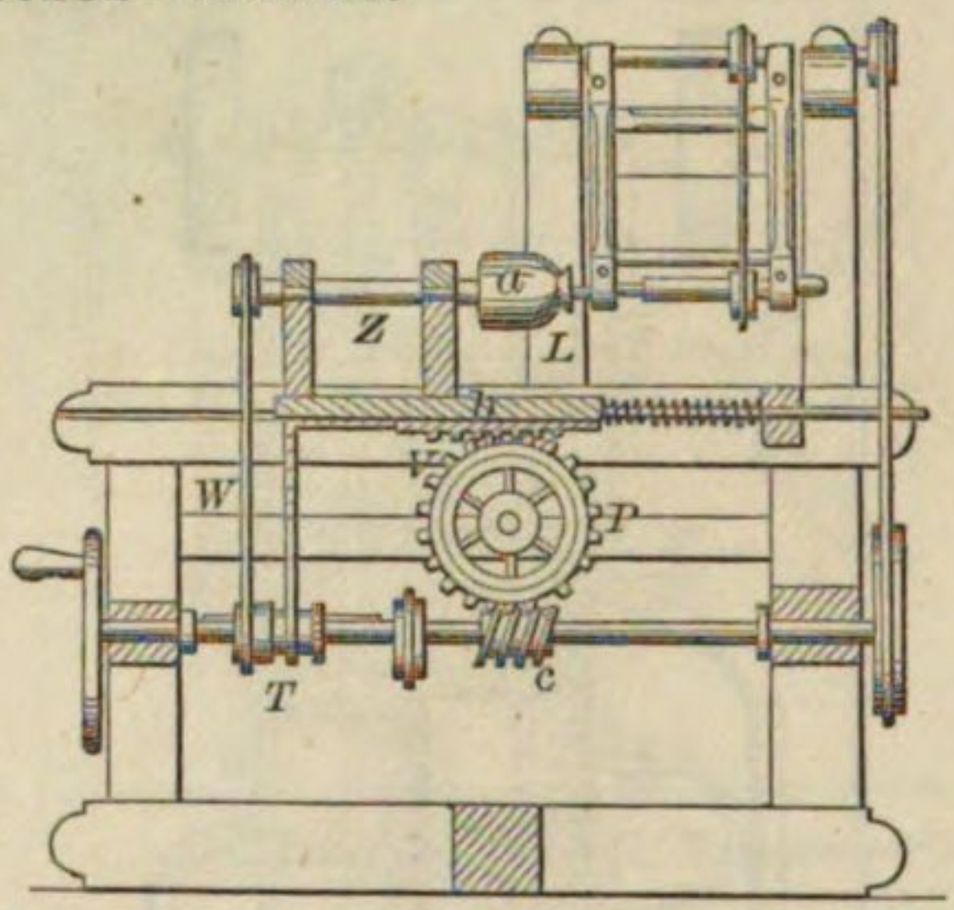




57231—G. E. West—*Driving Fence Posts.*



57232—*Continued.*



57235—A. S. Wilkinson—*Horse Shoe.*

Fig. 1

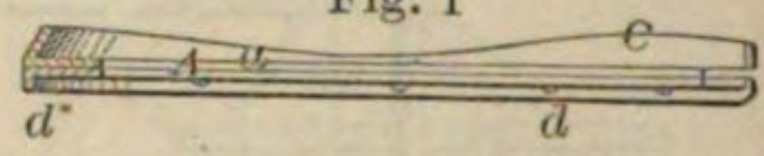
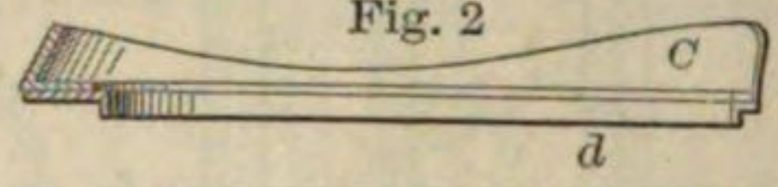
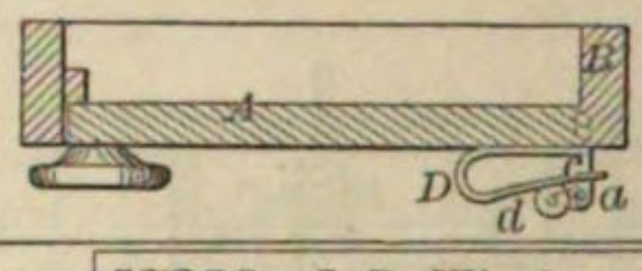


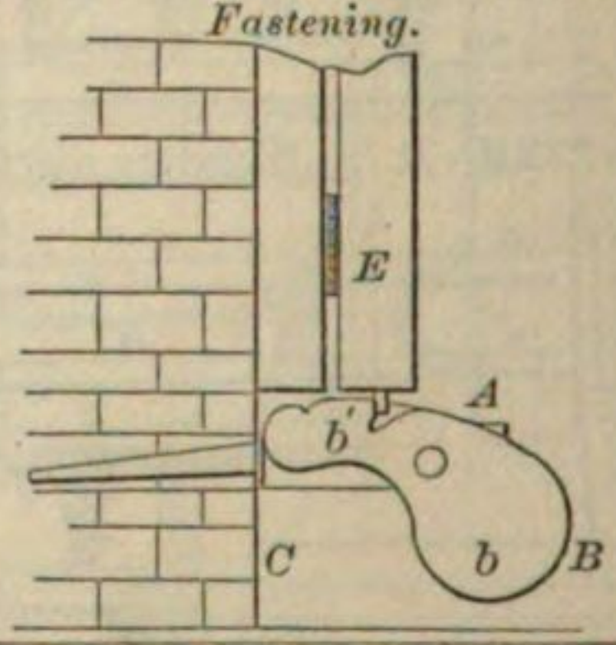
Fig. 2



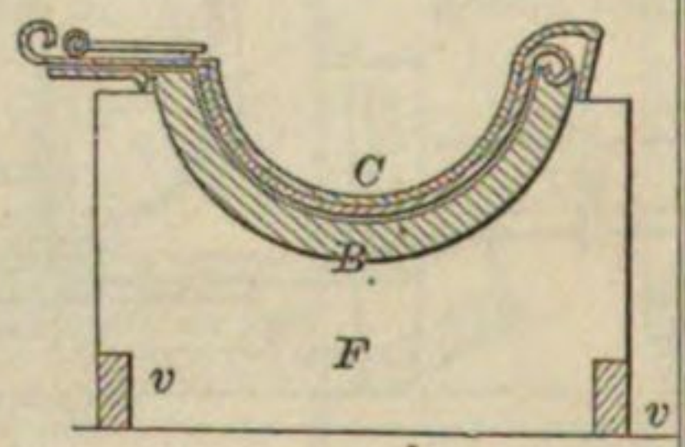
57240—A. Wiswall—*Door Spring.*



57239—J. D. Winslow—*Shutter Fastening.*

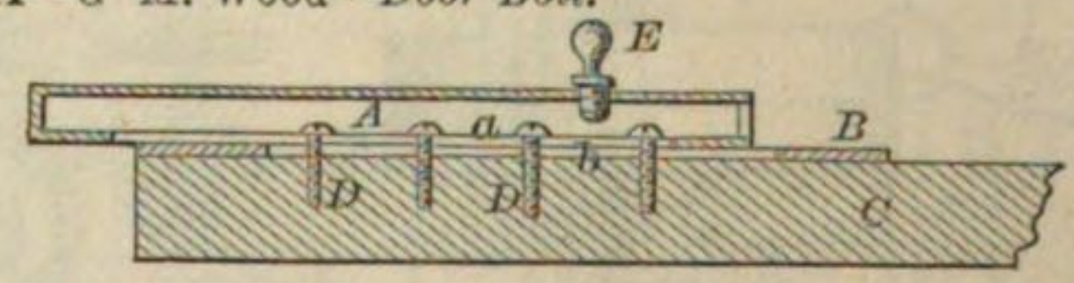


57237—E. Wilkinson, Jr.—*For Soldering Eave Troughs.*

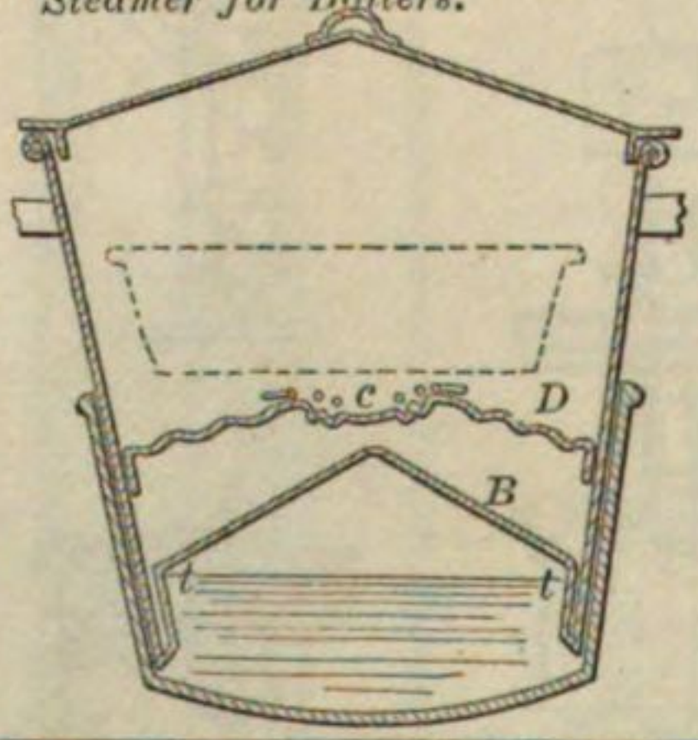


57243—W. P. Woodruff—*Piston Rod Packing.*

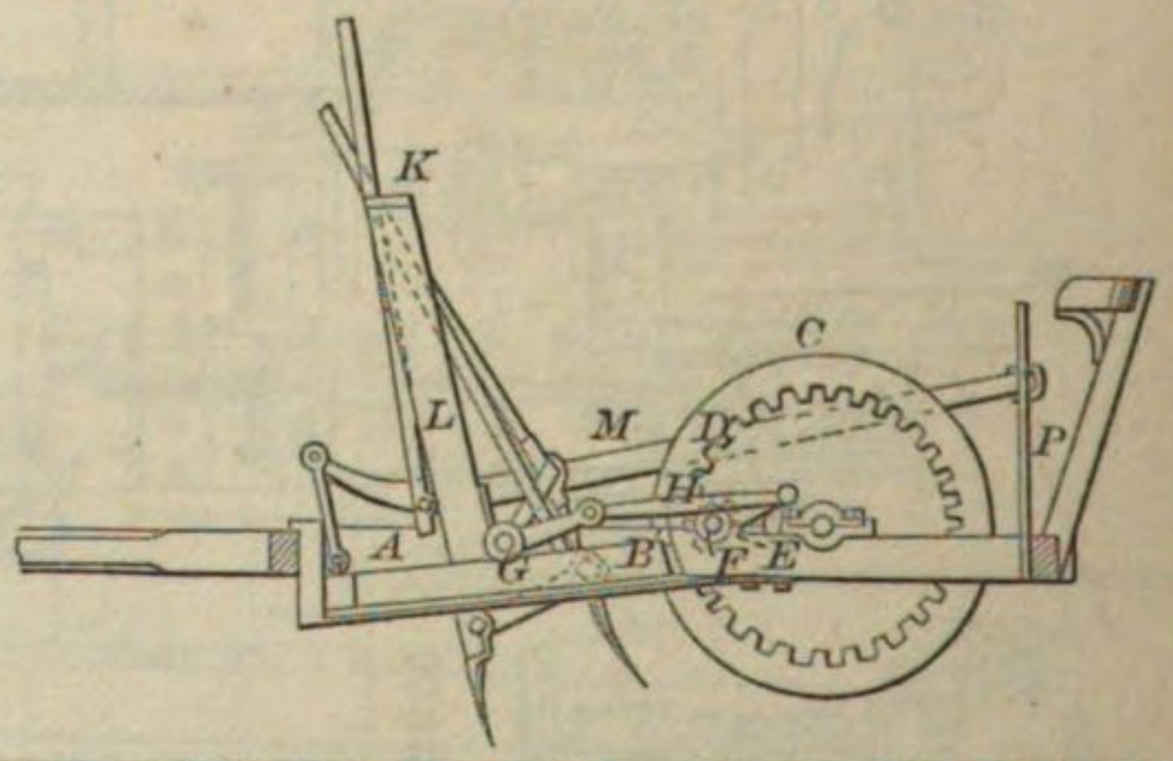
57241—G M. Wood—*Door Bolt.*



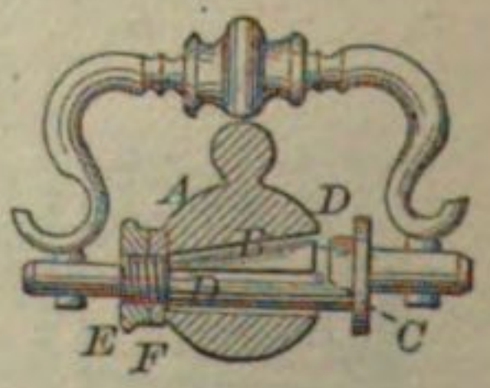
57244—F. W. Bacon—*Culinary Steamer for Boilers.*



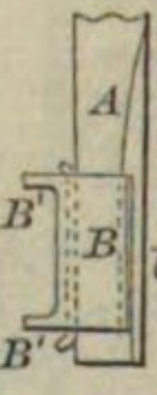
57242—S. Woodbridge—*Soil Tilling Machine.*



57246—H. & E. L. Bailey—*Urn Cock*



57236—A. S. Wilkinson—*Horse Shoe Calk.*

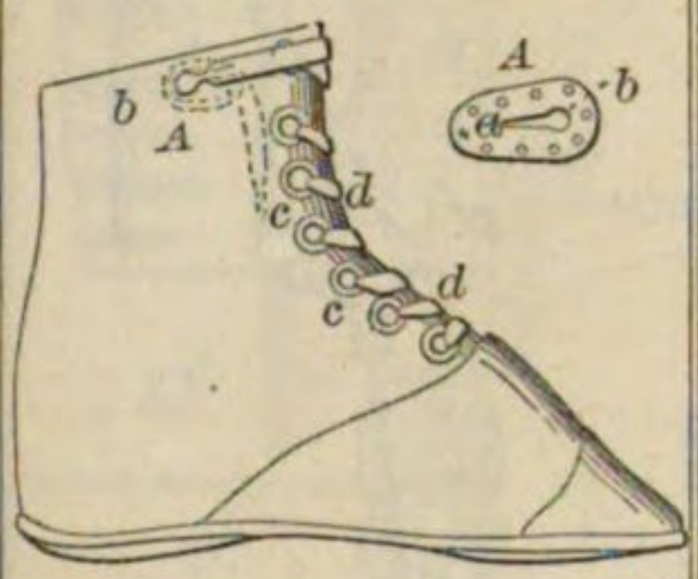


57234—A. A. Wilcox—*Shoe Nail.*

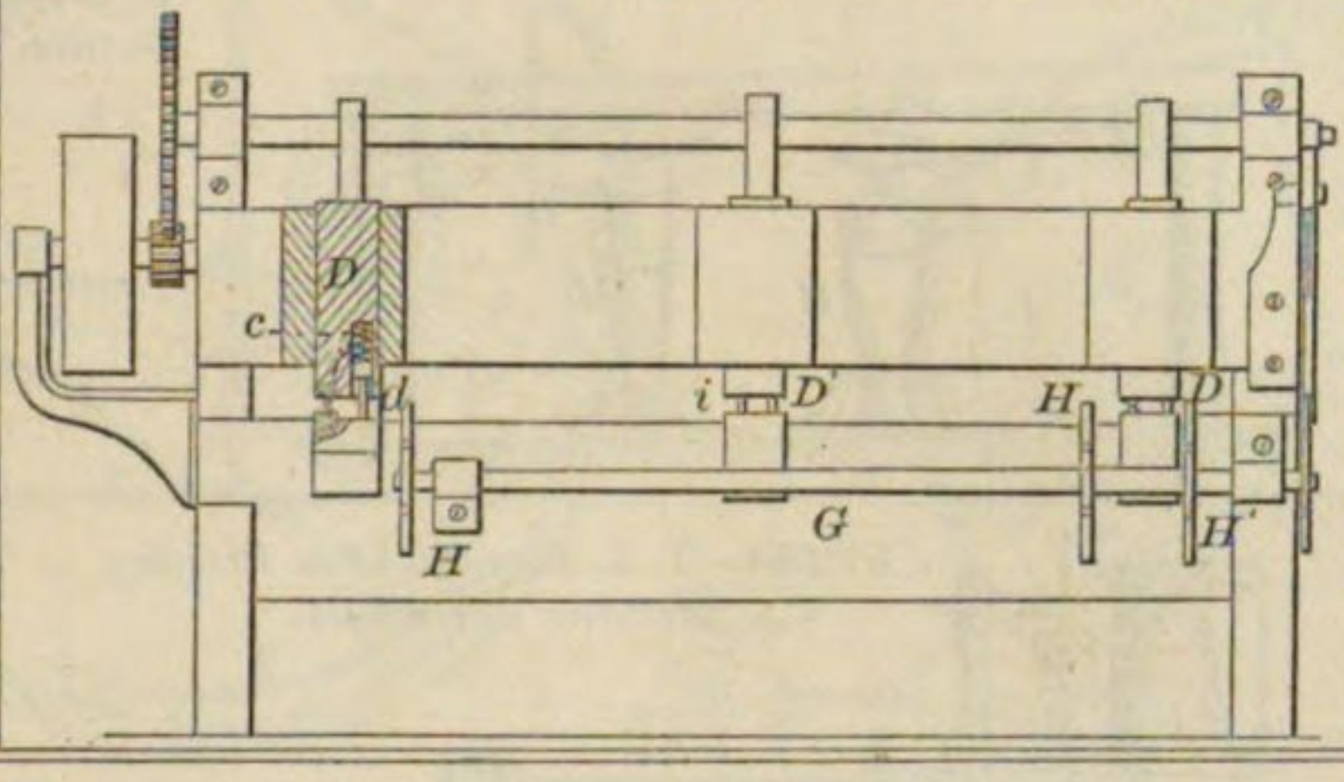
57233—White & Bedford—*Fabric for Tubing, &c.*

57245—W. Beschke—*Using Explosive Liquids for Light and Heat.*

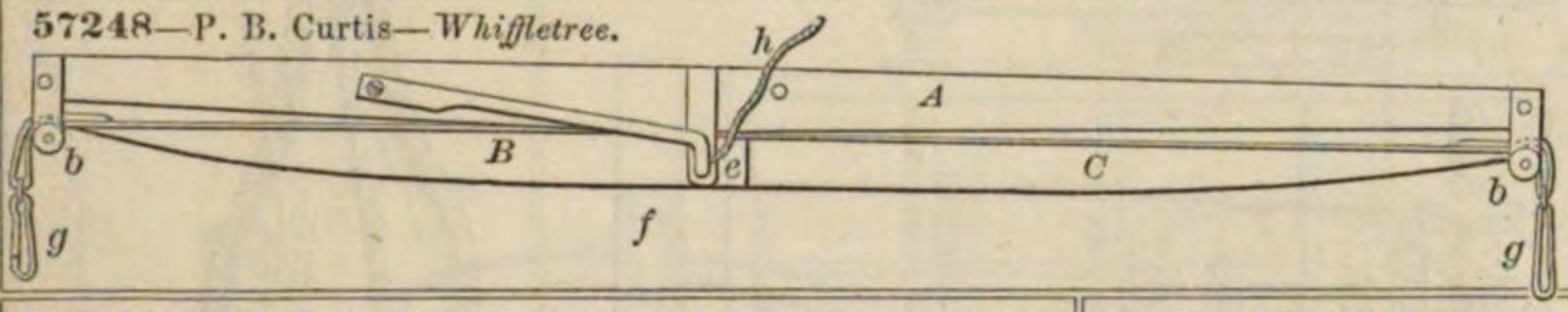
57247—G. Butterfield—*Shoe Lacing Fastening.*



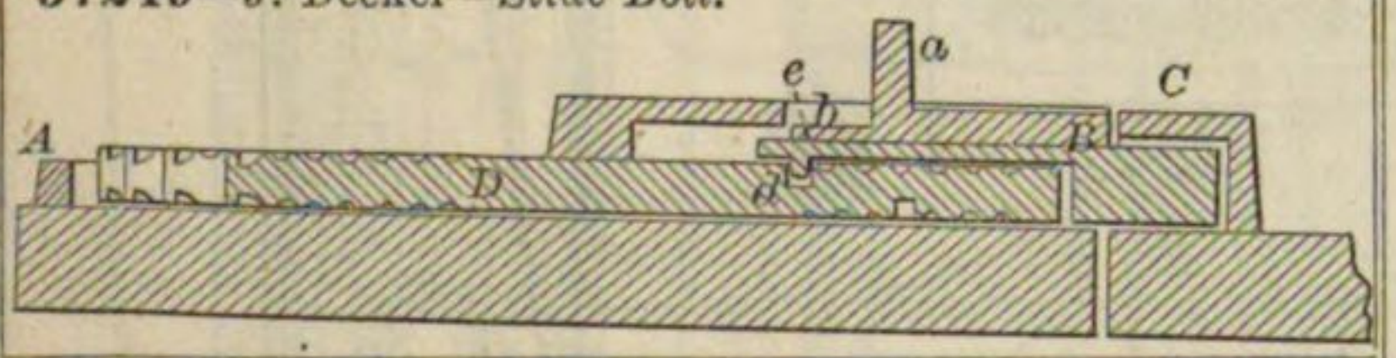
57251—J. Fox—*For Flattening and Punching Umbrella Ribs.*



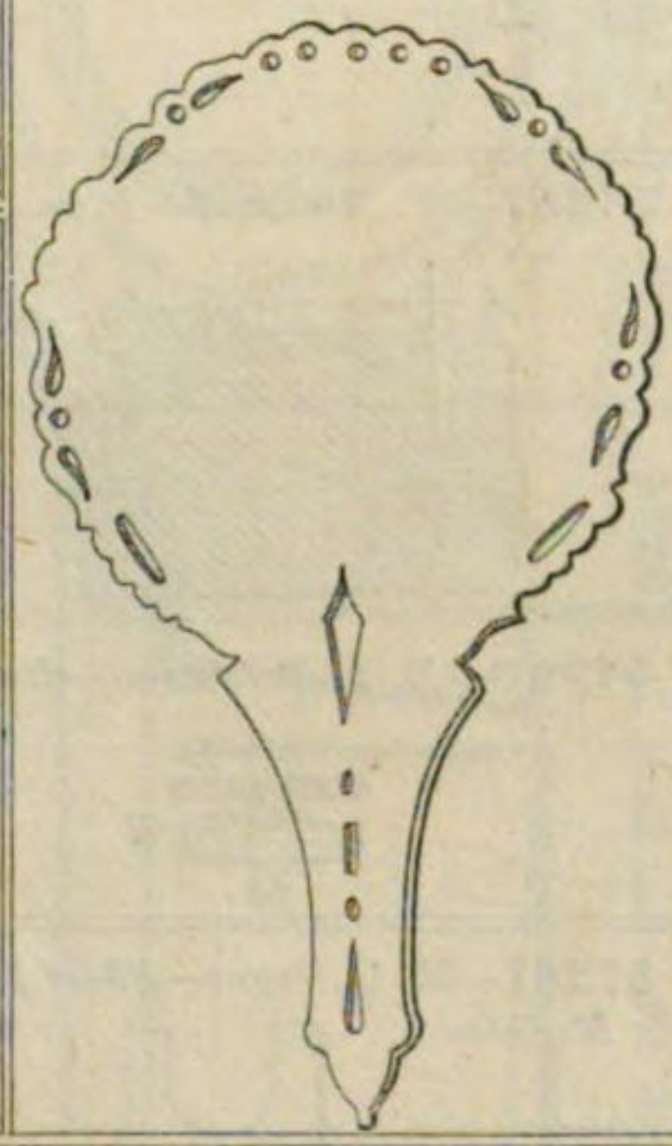
57248—P. B. Curtis—*Whiffletree.*



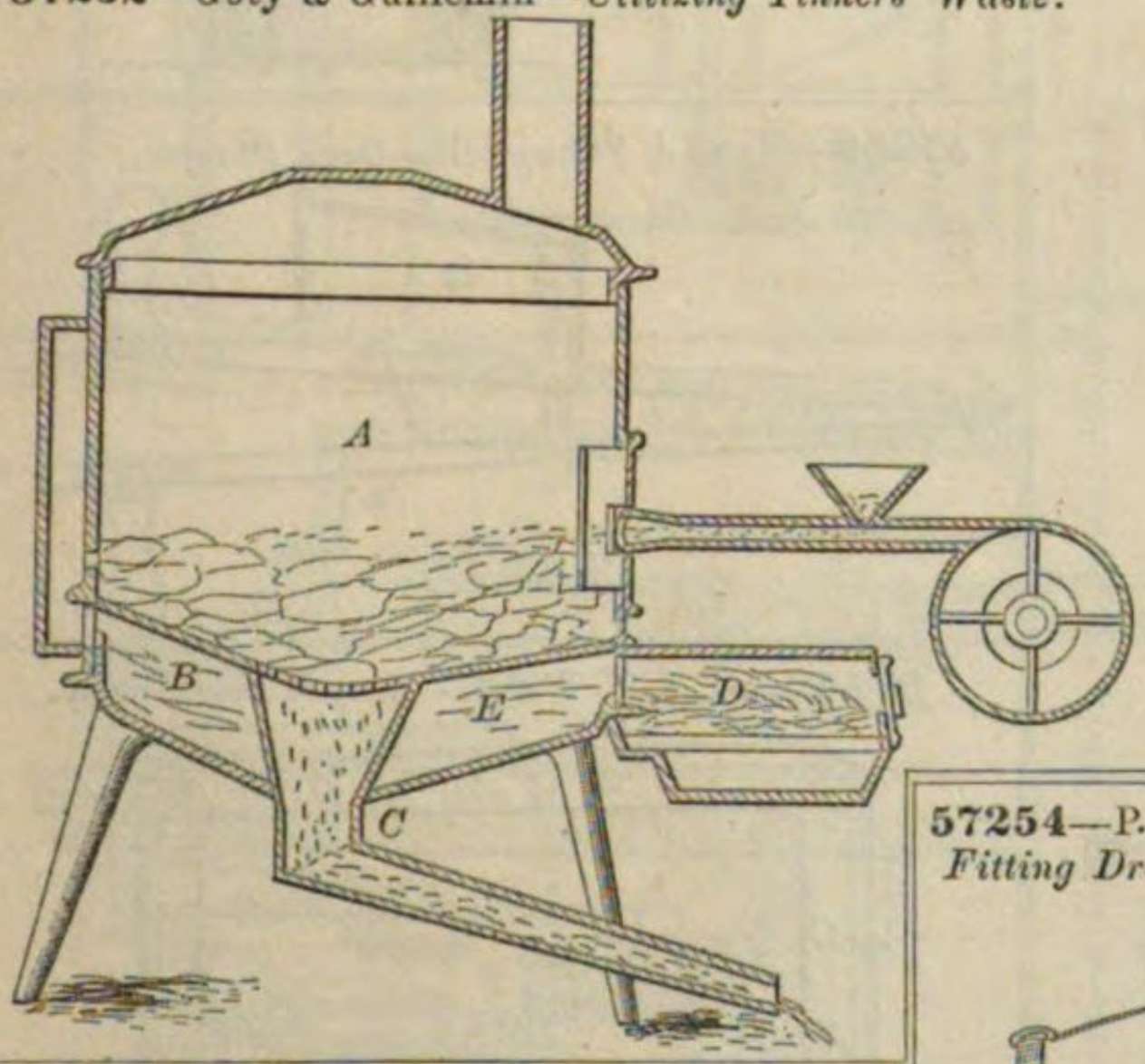
57249—J. Decker—*Slide Bolt.*



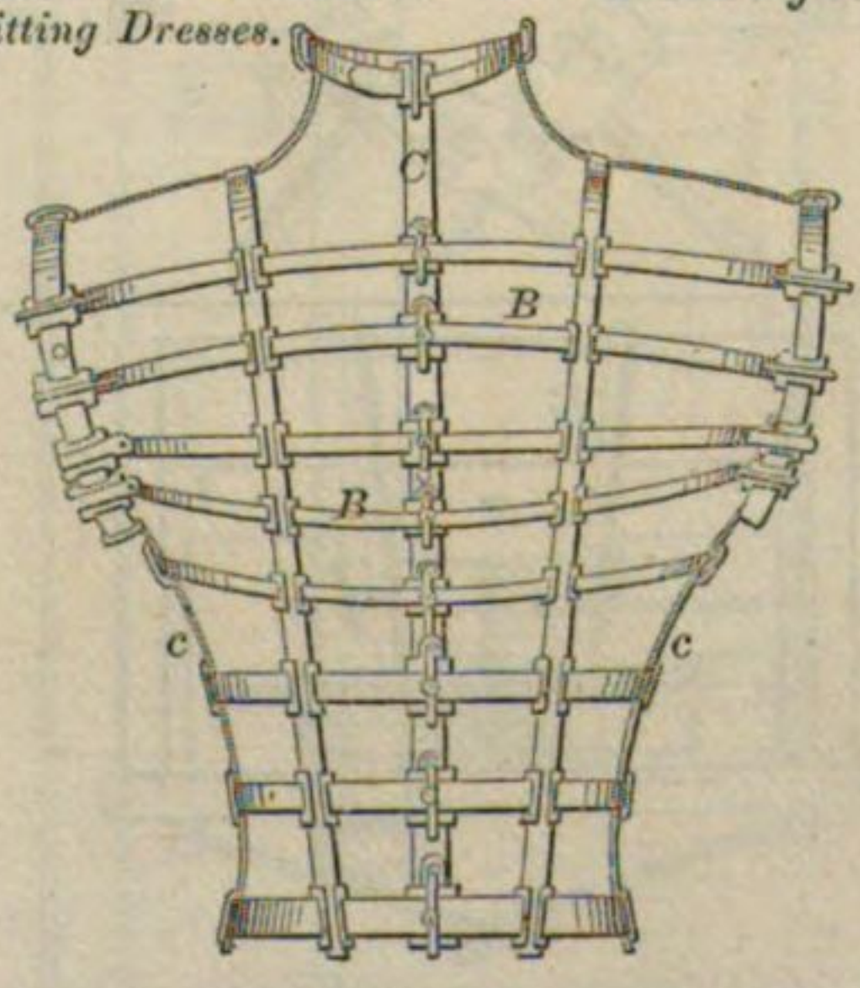
57253—S. A. Grant—*Ladies' Fan.*



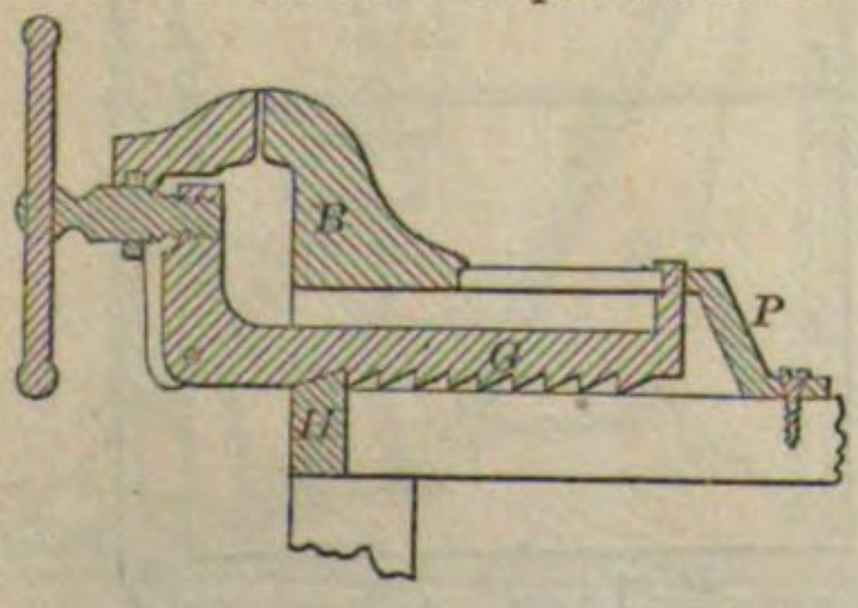
57252—Goty & Guillemin—*Utilizing Tinners' Waste.*



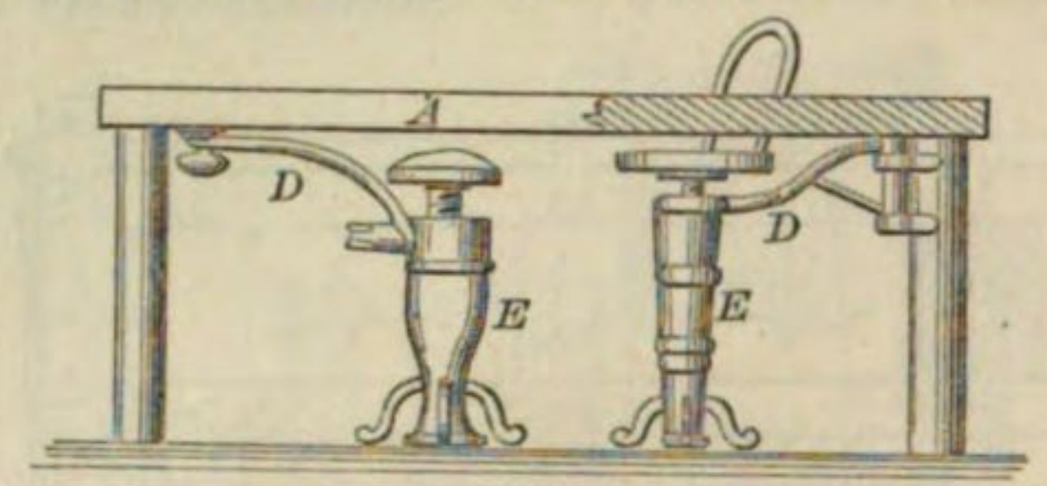
57254—P. A. La Ment—*For Measuring and Fitting Dresses.*



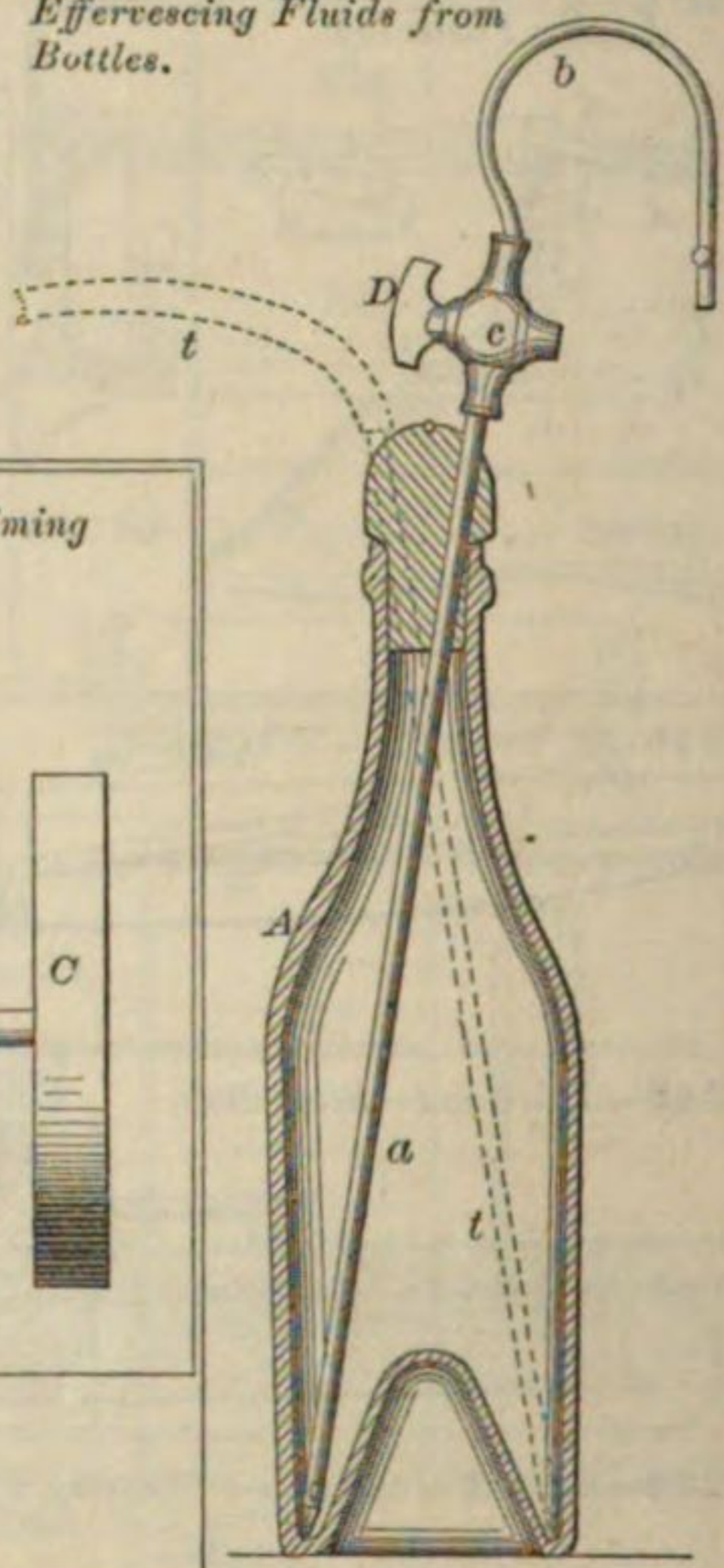
57250—O. V. Flora—*Carpenter's Vise.*



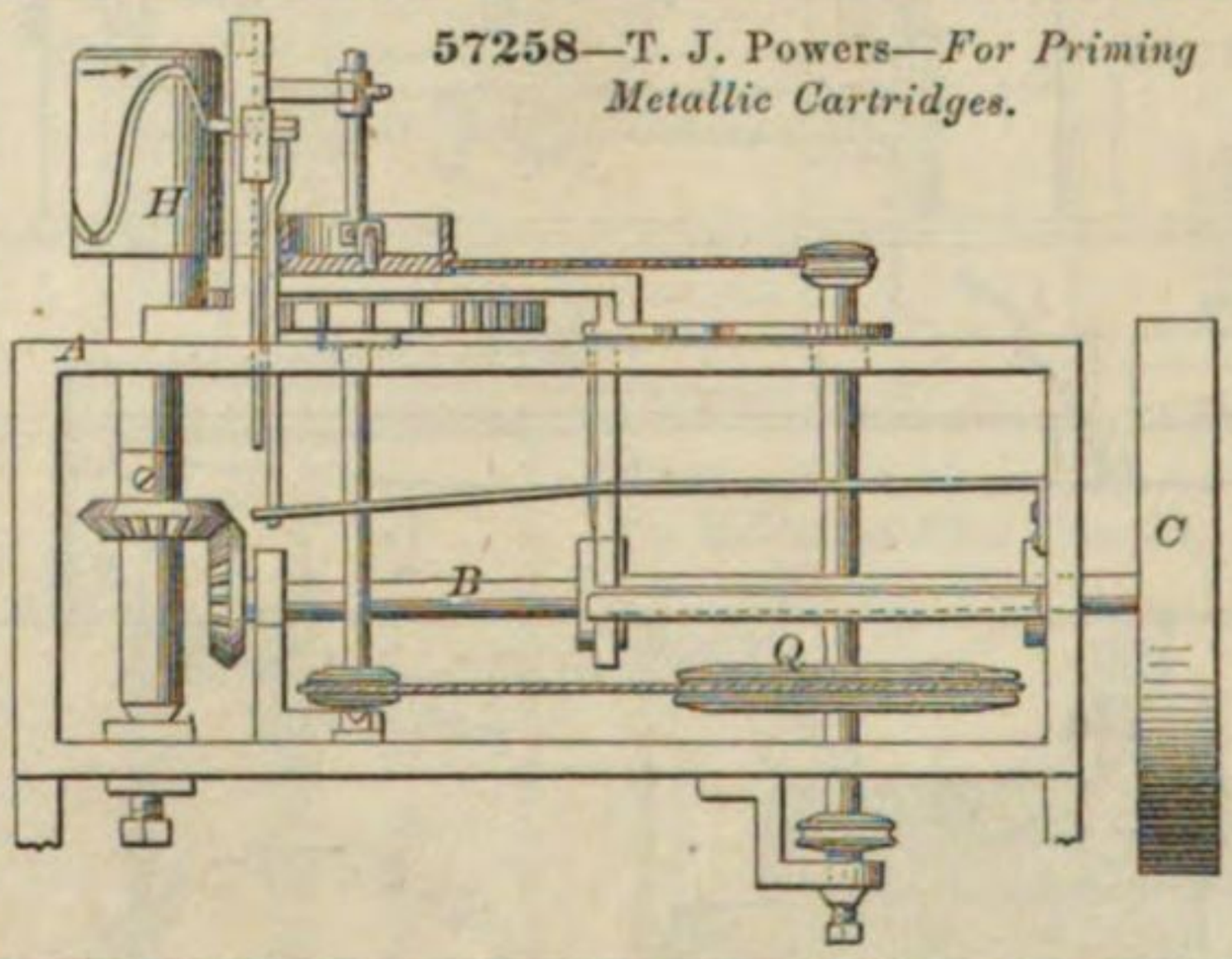
57255—E. Marx—*Swinging Chair.*



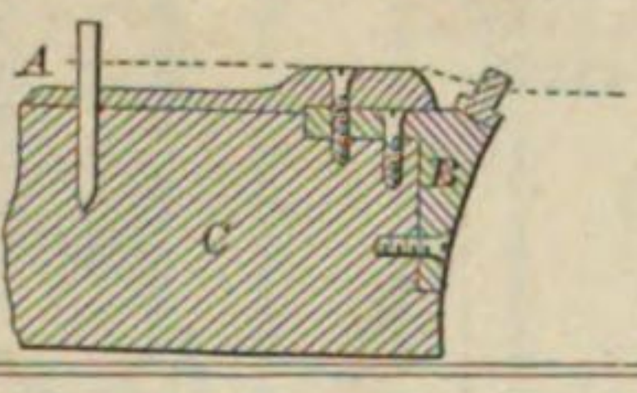
57256—W. W. Meglone—*For Removing Effervescing Fluids from Bottles.*



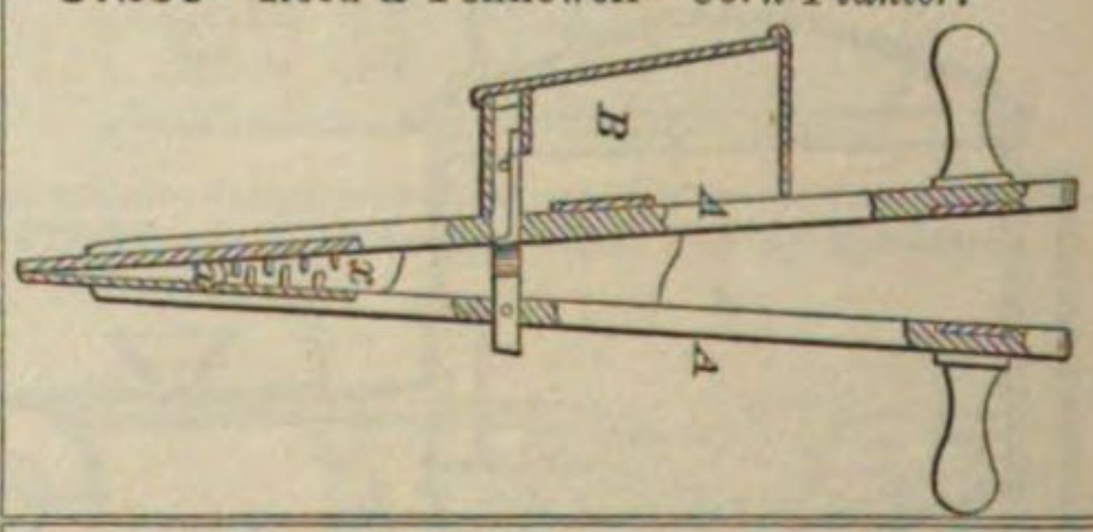
57258—T. J. Powers—*For Priming Metallic Cartridges.*



57257—W. Nordhoff—*Piano.*

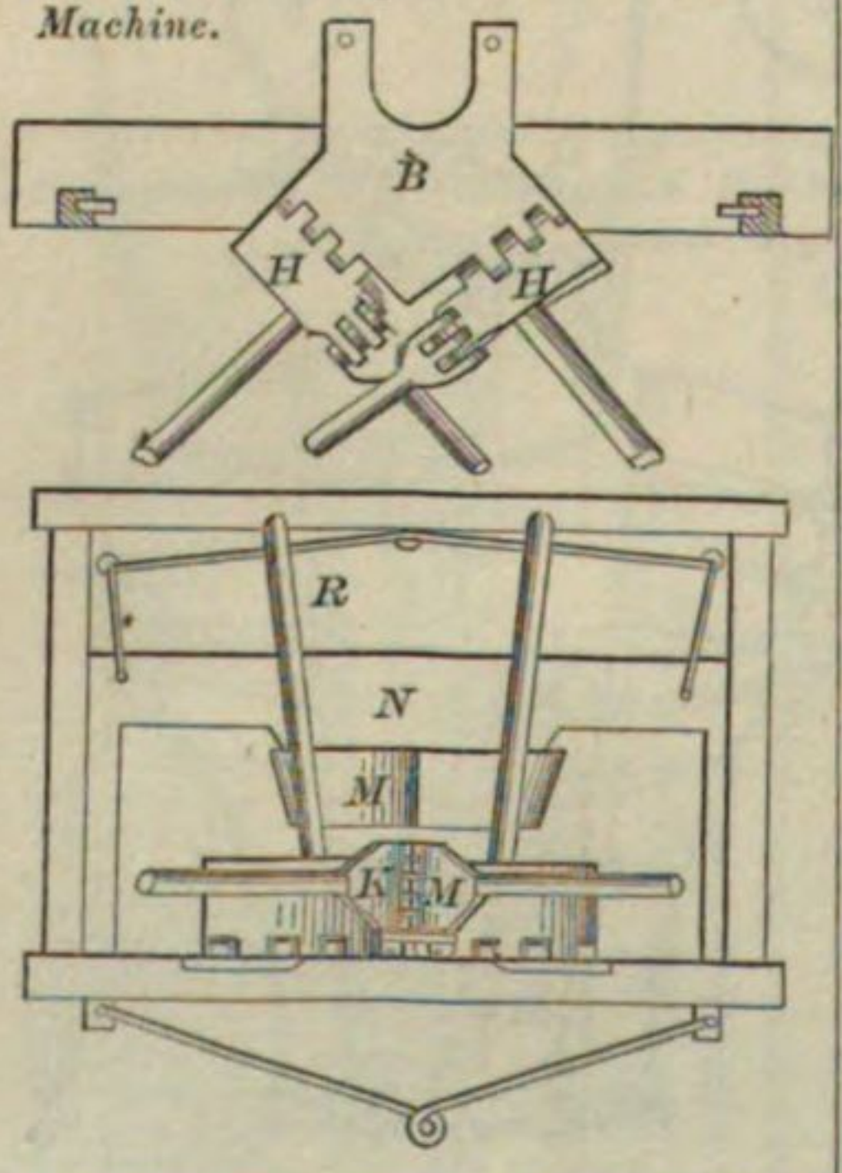


57259—Reed & Pennewell—*Corn Planter.*

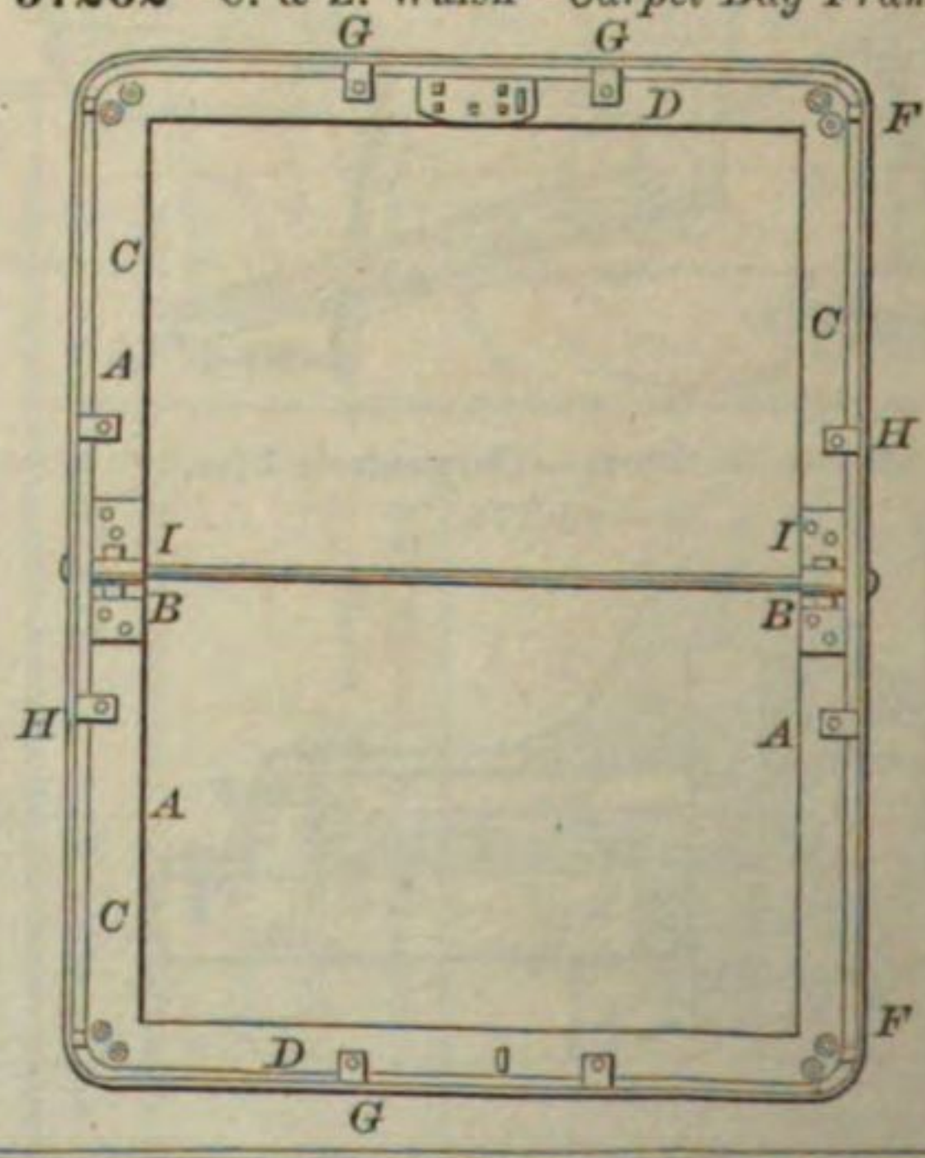


57260—E. A. Robinson—*Button.*

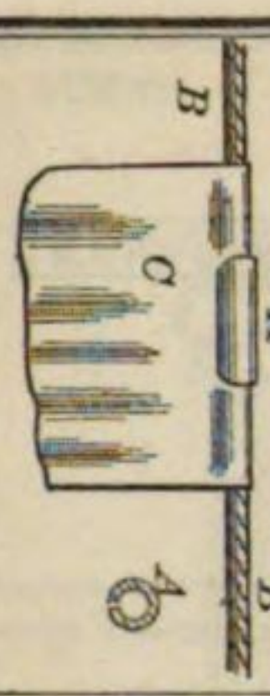
57261—M. S. Sager—*Sheet Metal Pan Machine.*



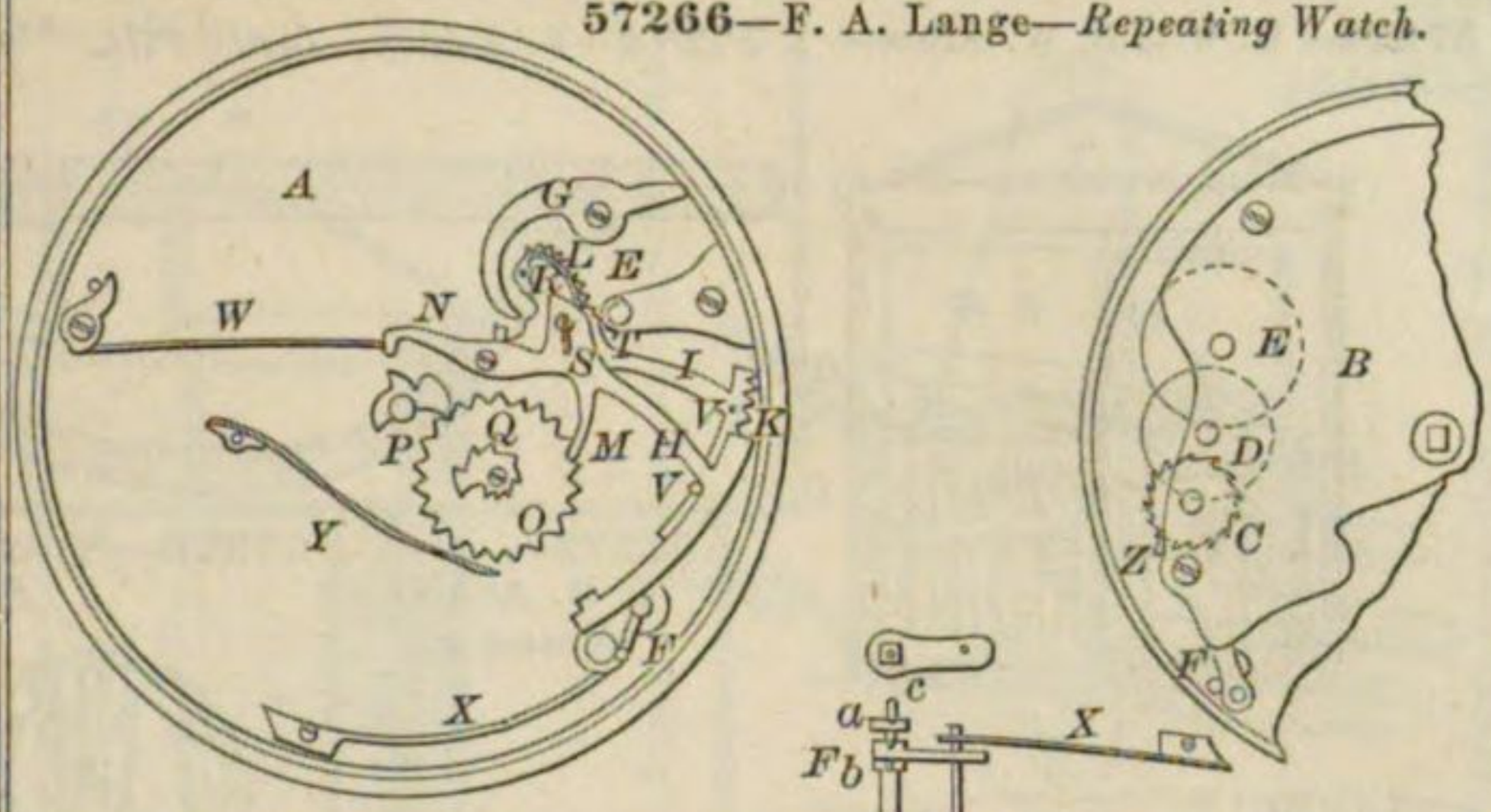
57262—C. & Z. Walsh—*Carpet Bag Frame.*



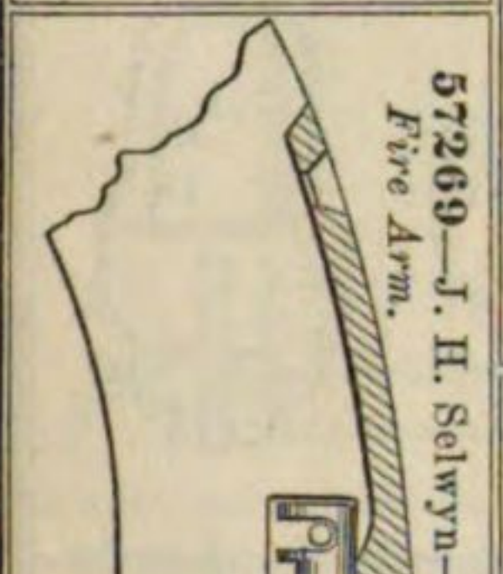
57263—W. Winter—*Clothes Line Clamp.*



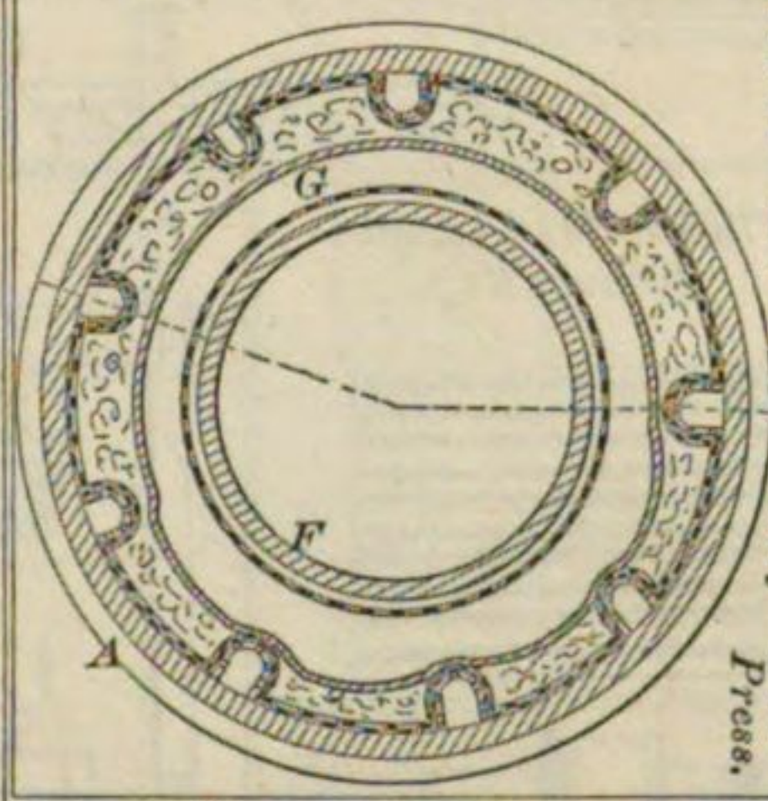
57266—F. A. Lange—*Repeating Watch.*



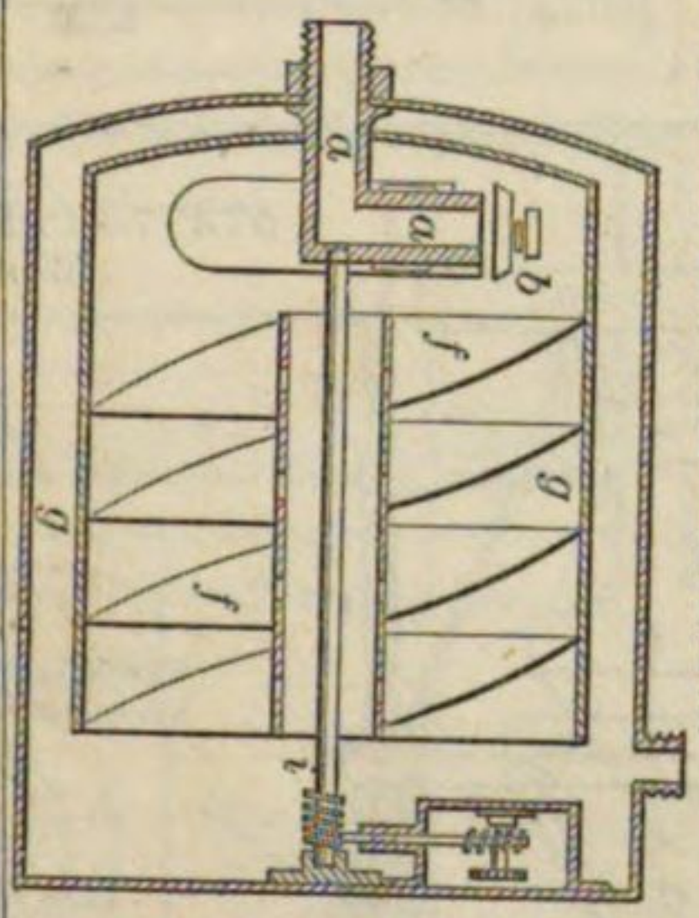
57269—J. H. Selwyn—*Breech-Loading Fire Arm.*



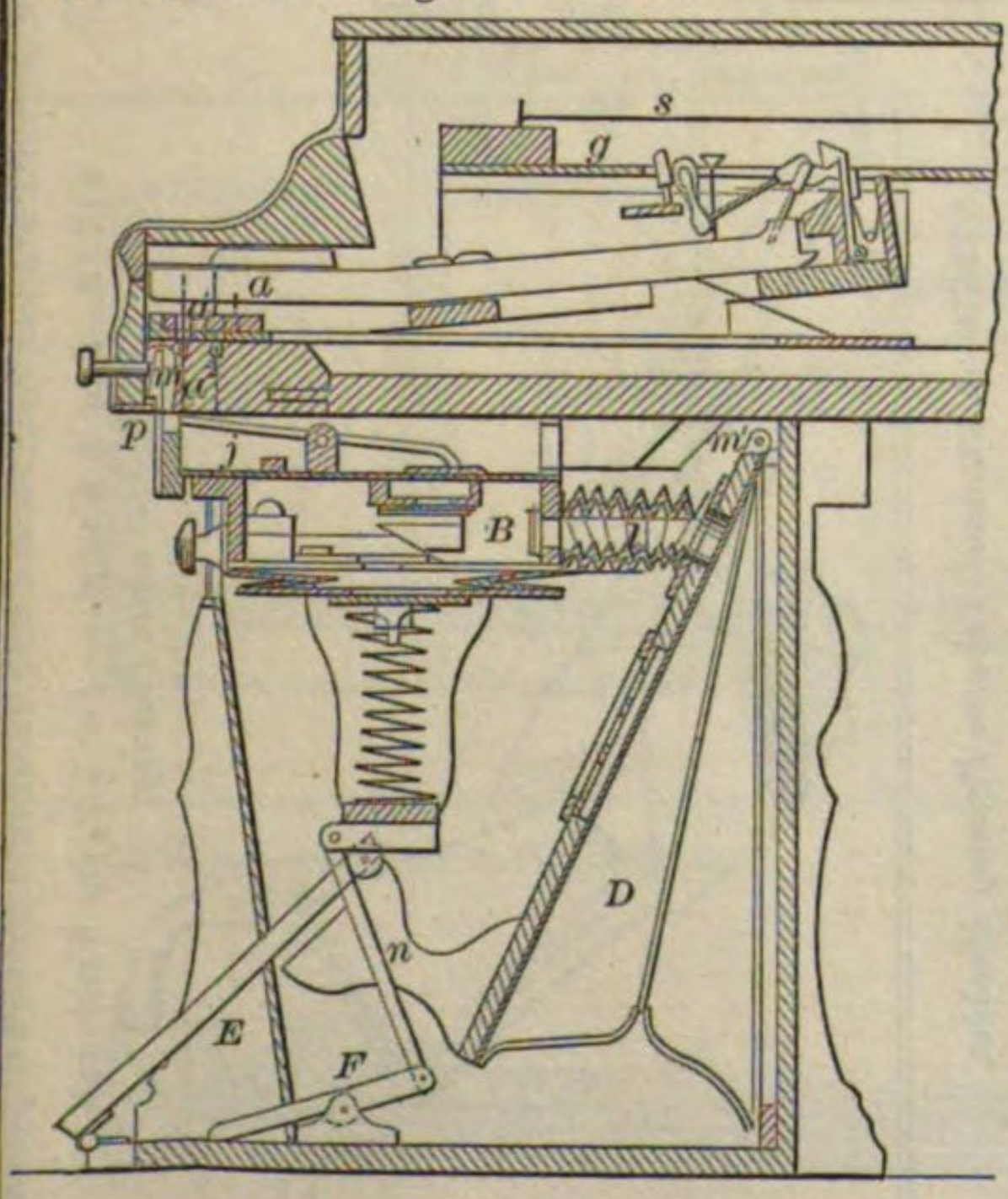
57265—L. P. R. De Massy—*Filter Press.*



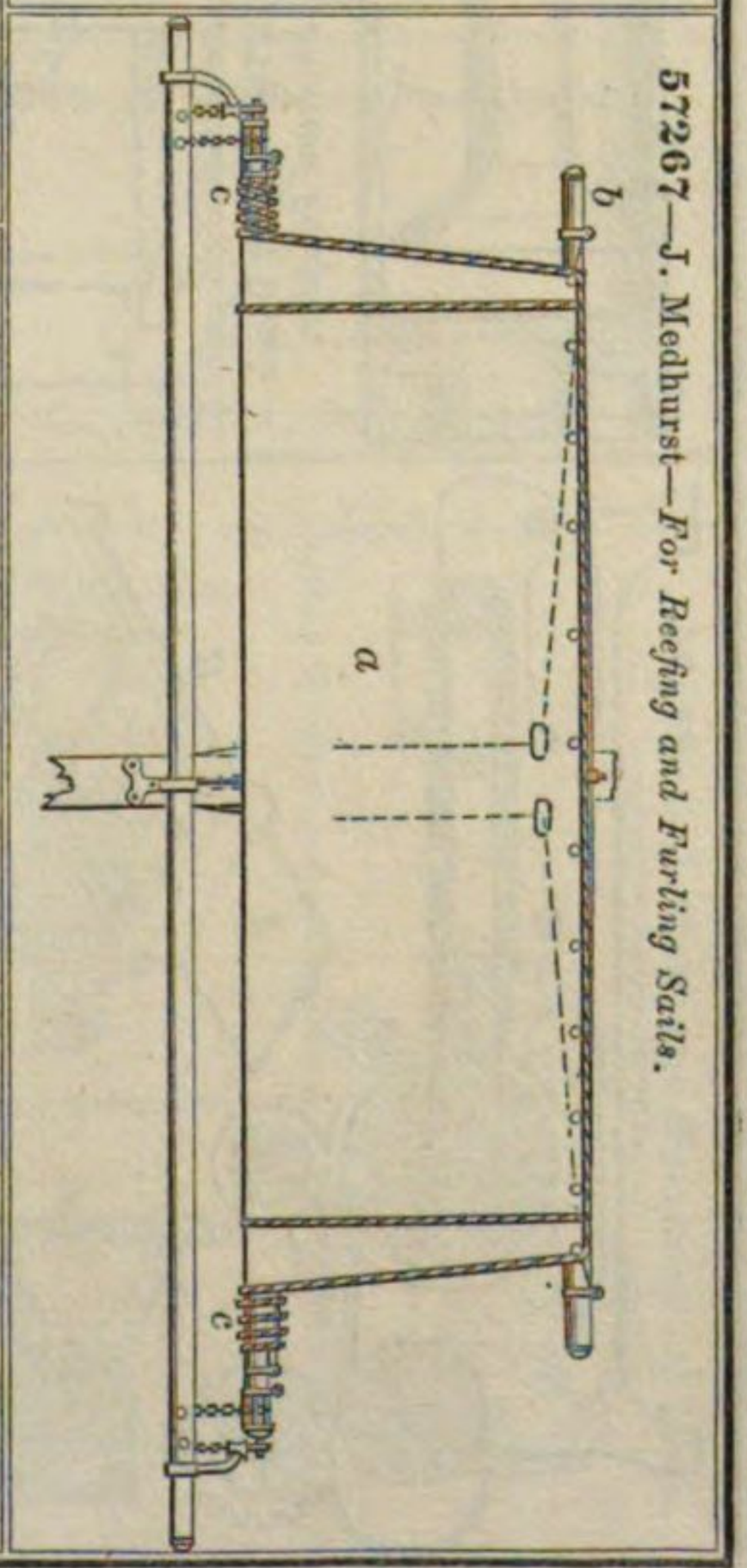
57268—J. T. Scholte—*Gas Meter.*



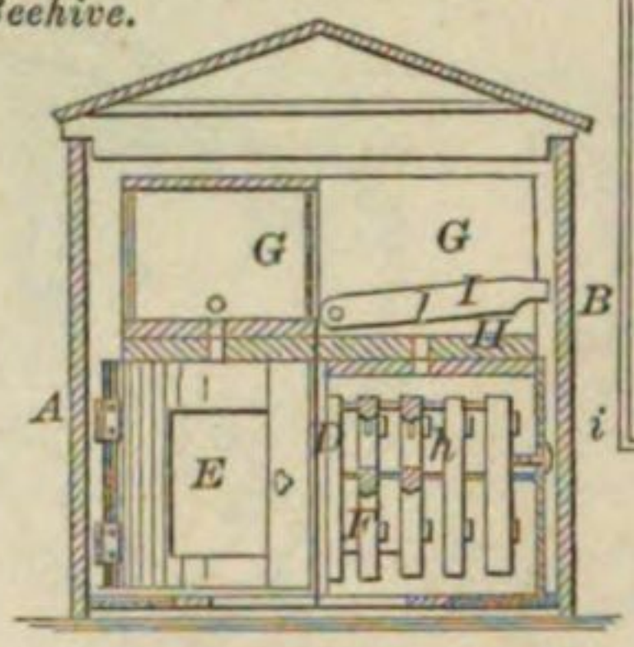
57270—C. F. Uhlig—*Harmonium.*

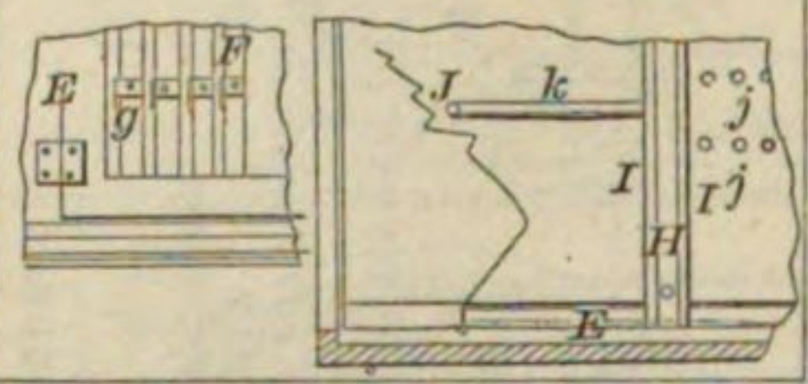


57267—J. Medhurst—*For Reefing and Furling Sails.*

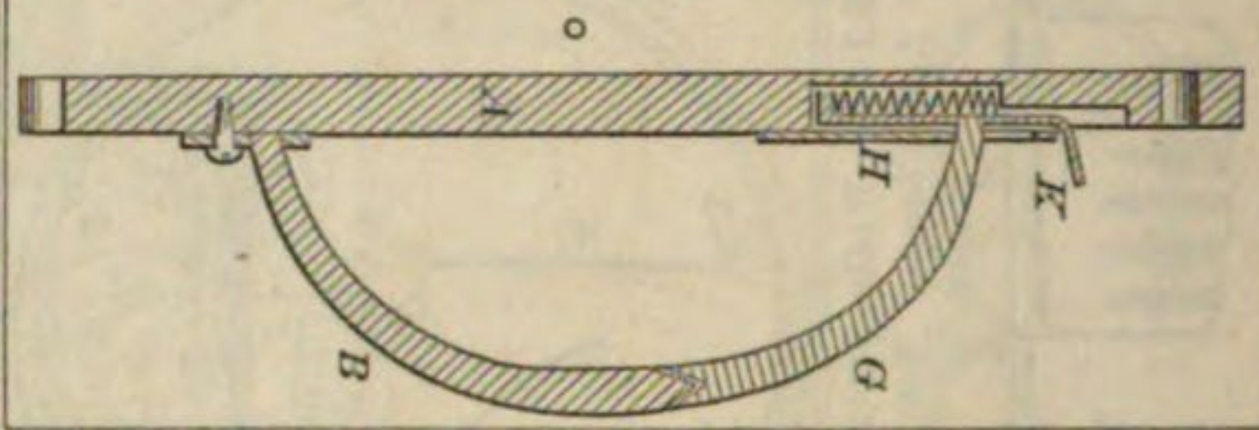


57272– L. W. & S. W. Albee—*Beehive.*



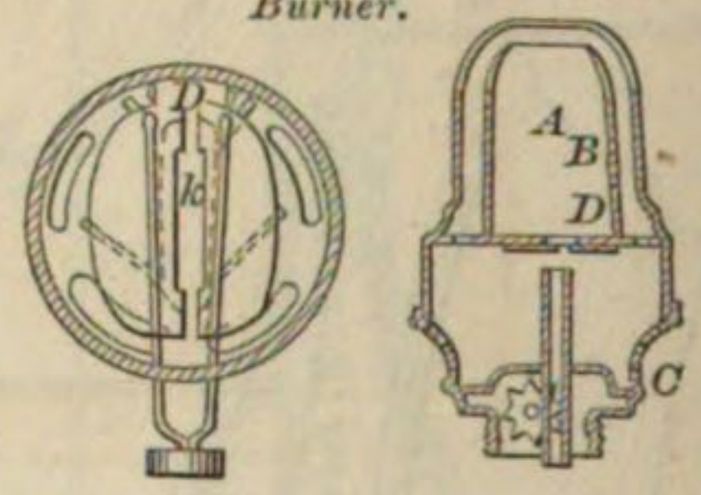


57274—F. Ashley—*Letter File.*

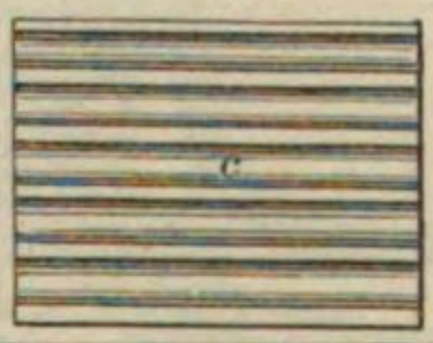


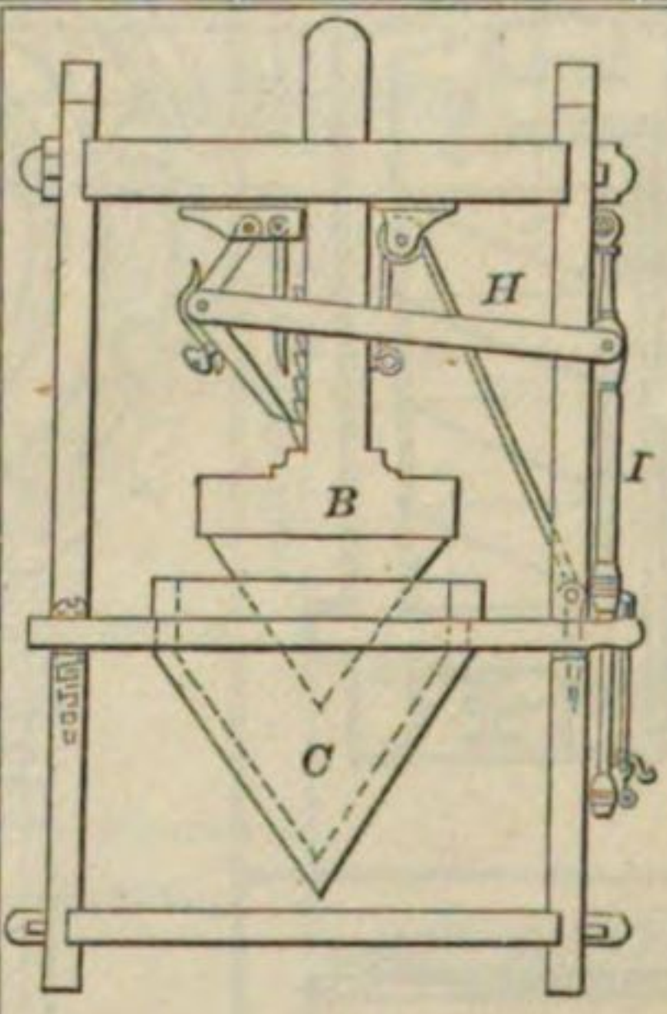
57273—S. R. Andres—*Eraser, &c.*

57276—W. W. Batchelder—*Vapor Burner.*

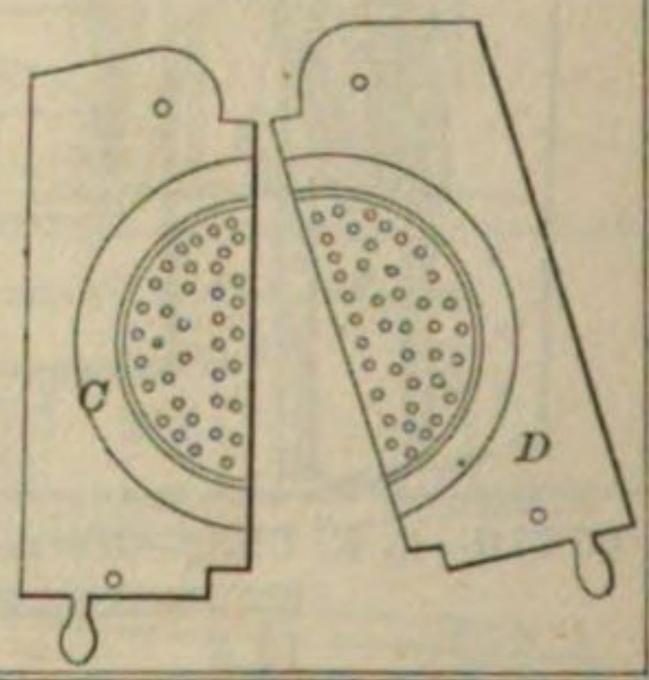


57275—G. Aymard—*Tobacco Bag.*

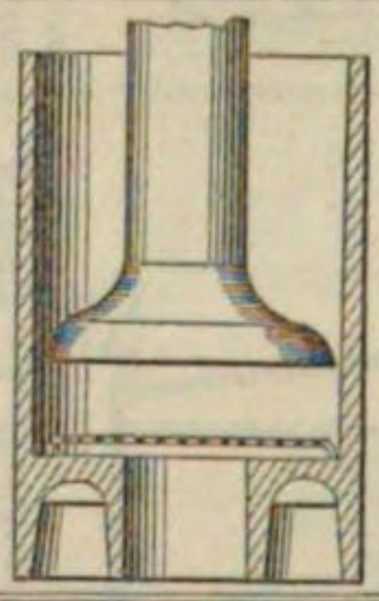




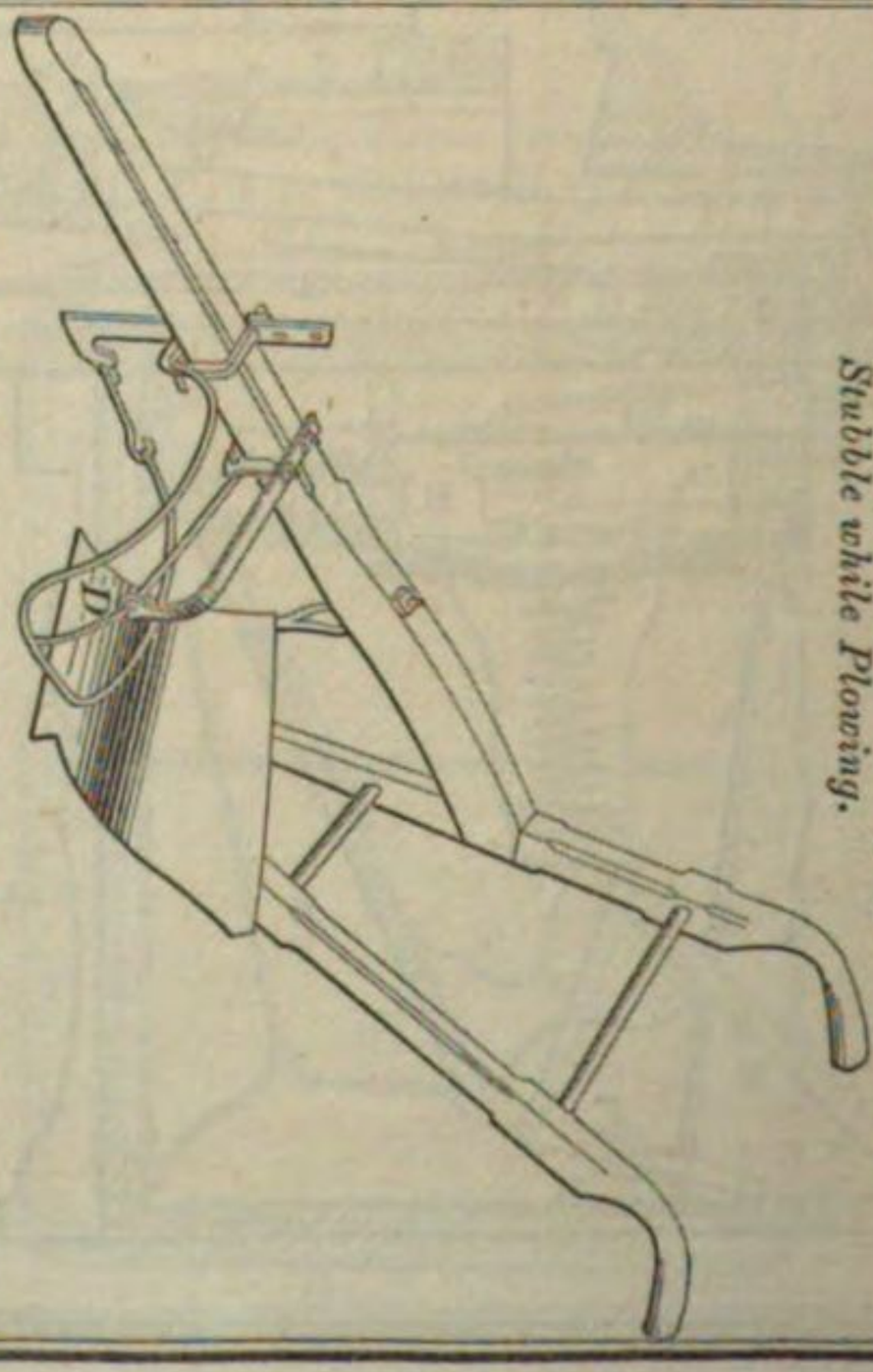
57277—C. Beach—*Cider and Wine Press.*



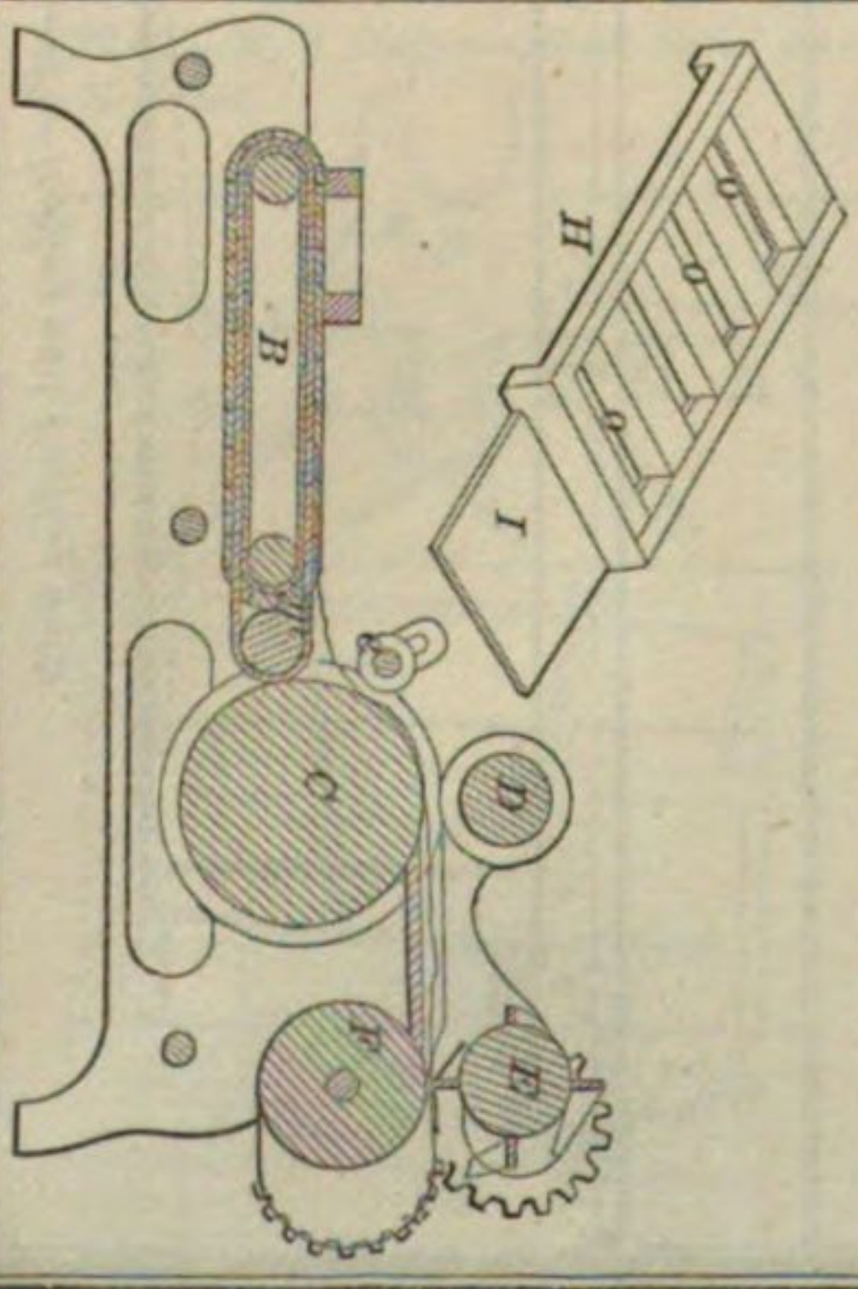
57278—W. W. Beach—*Skeleton Tumbler.*



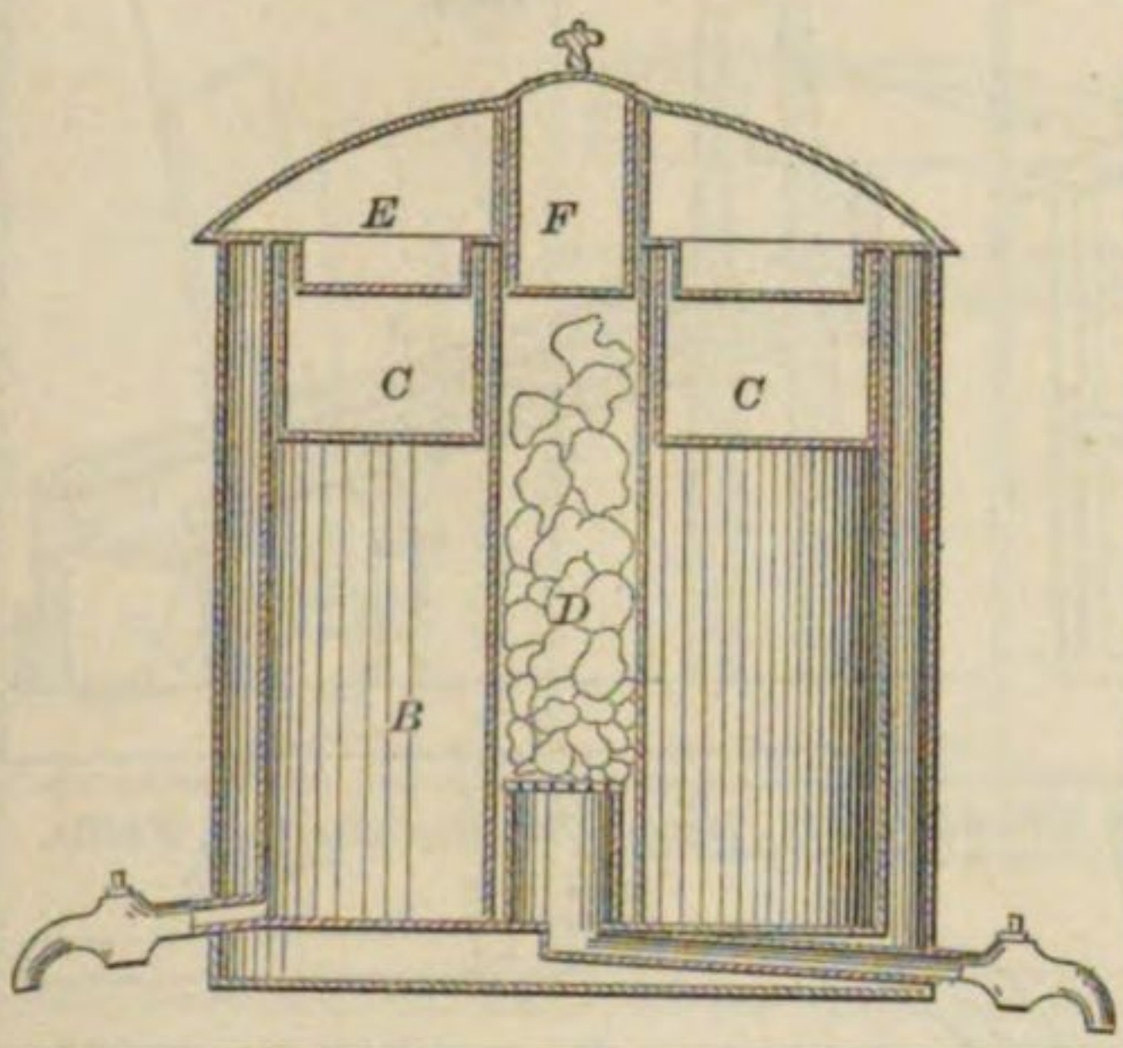
57279—Beer & Wampler—*For Burying Weeds and Stubble while Plowing.*



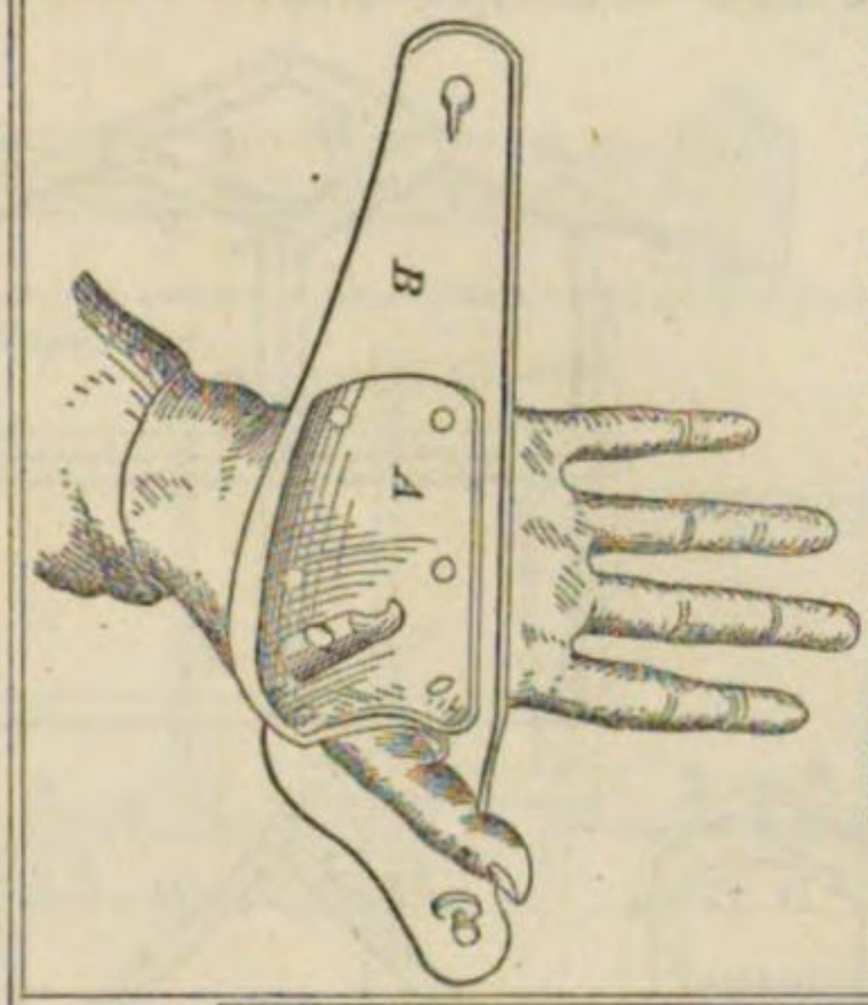
57280—J. Blackie—*Tobacco Pressing Machine.*



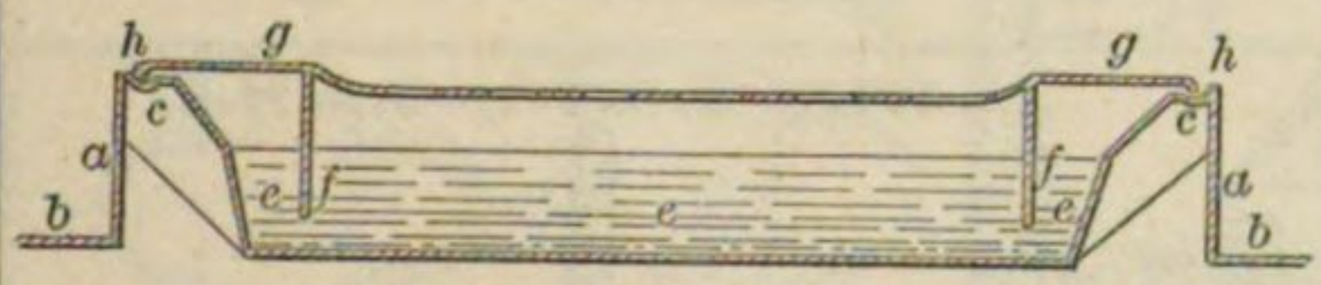
57281—G. D. Blocher—*Cooler.*



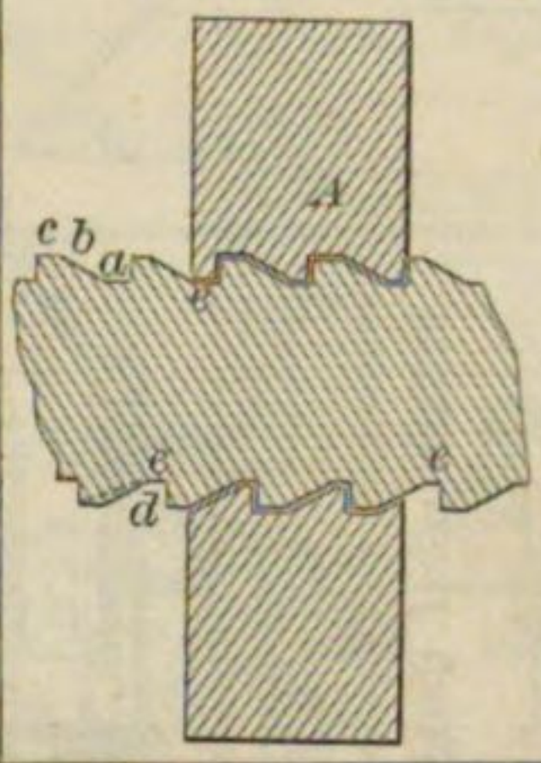
57283—T. J. Brown—*Corn Husker.*



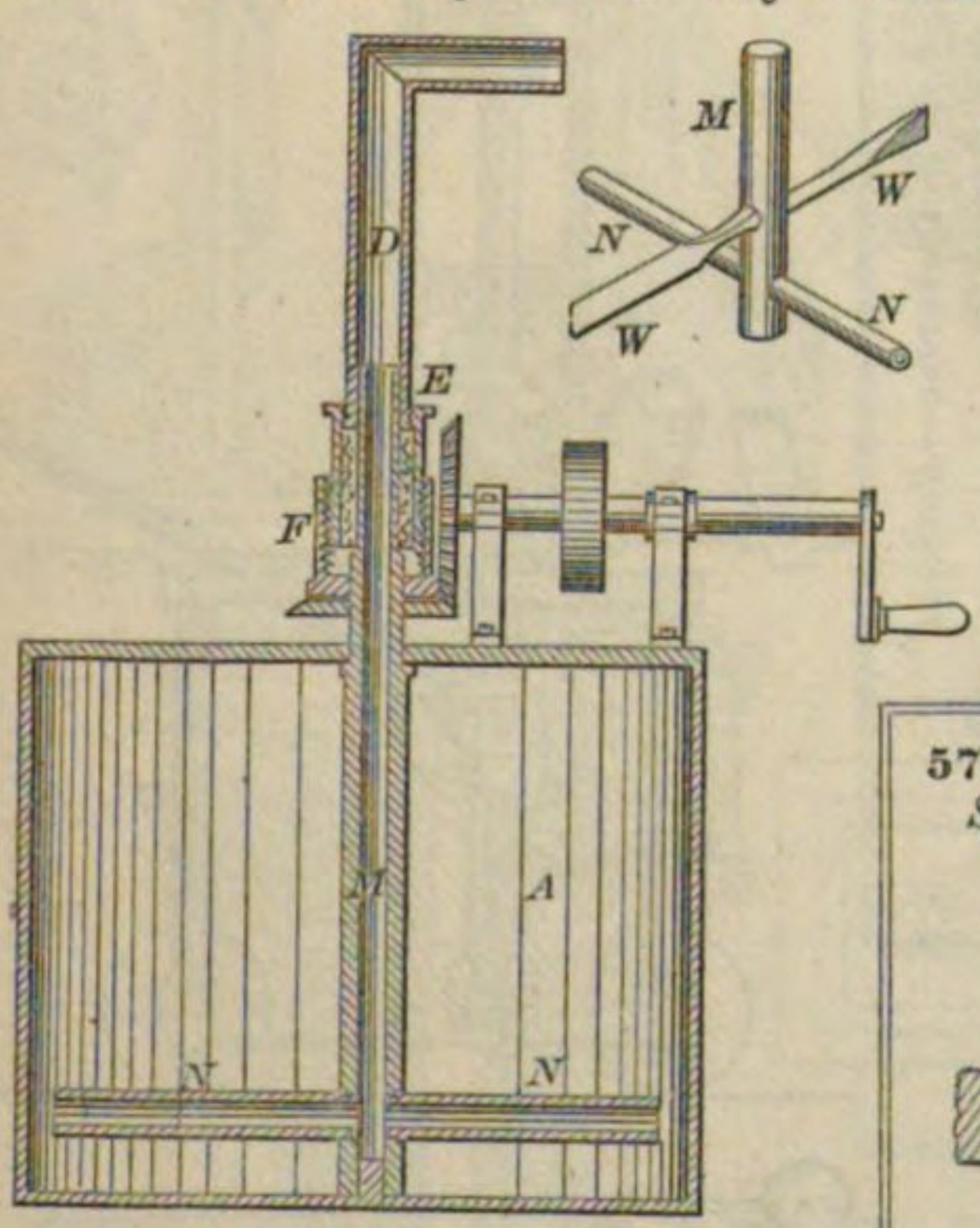
57284—W. Bryent—*For Suppressing Effluvia from Drains.*



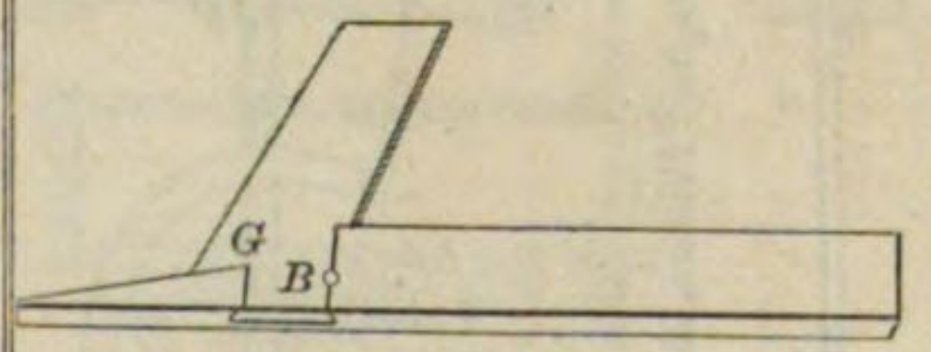
57282—T. Bowers—*Woven Screw.*



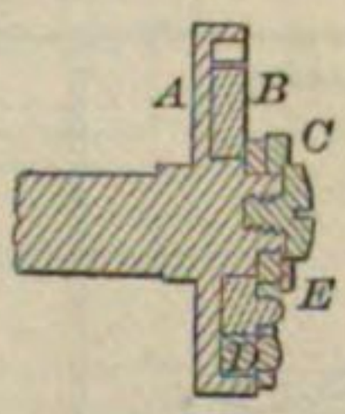
57285—Burket & Gray—*For Treating Petroleum.*



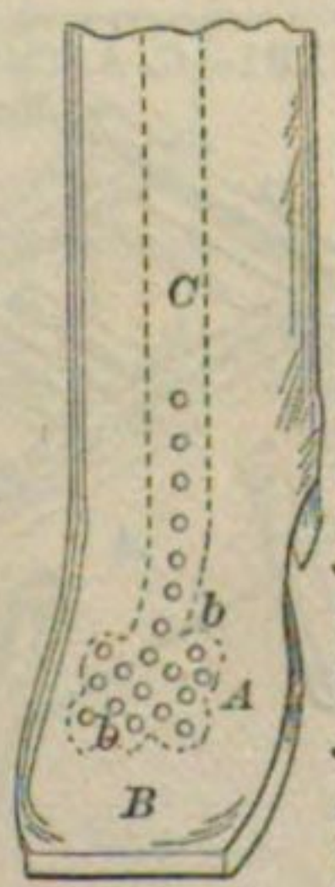
57286—S. Casebeer—*Plow Coulter.*



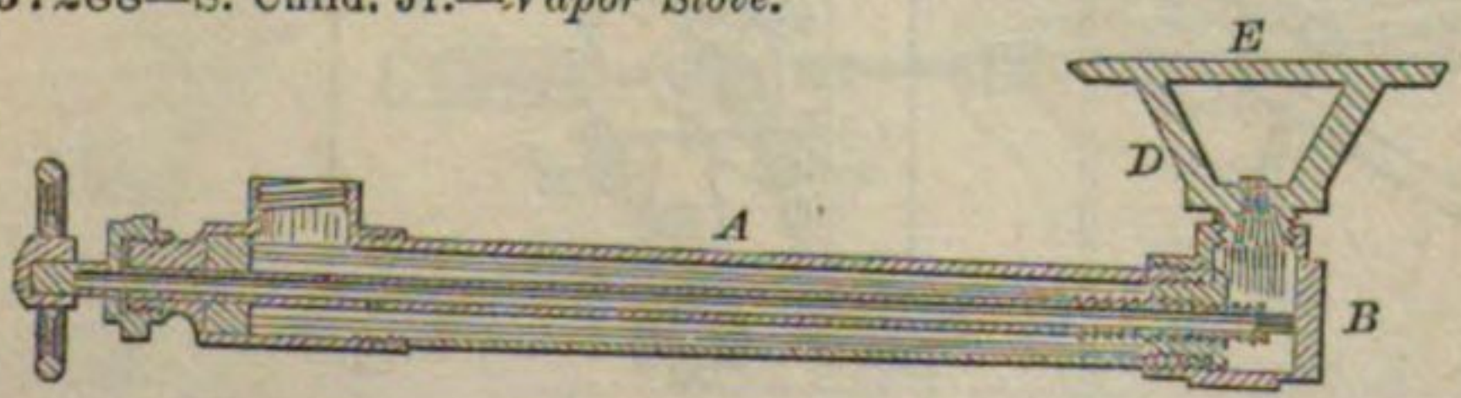
57287—W Chicken—*Sewing Machine.*



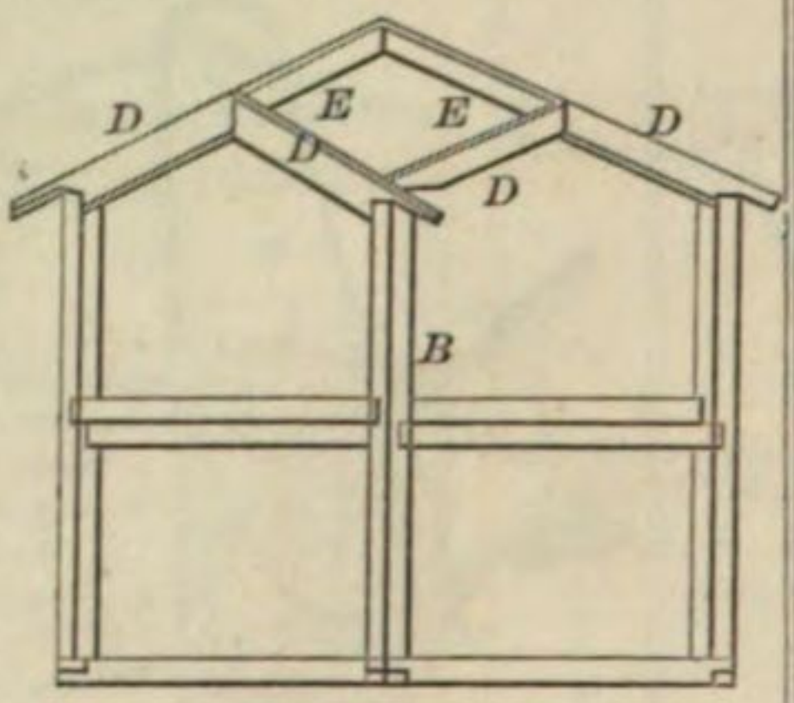
57289—J. J. Christian—*Manufacture of Boots.*

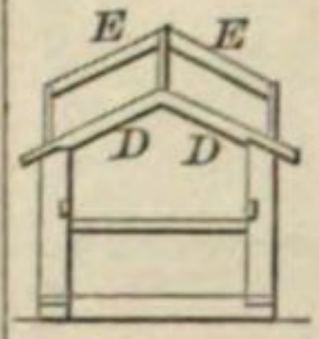


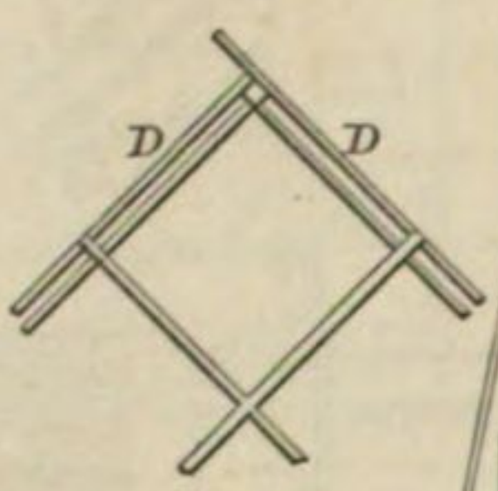
57288—S. Child, Jr.—*Vapor Stove.*



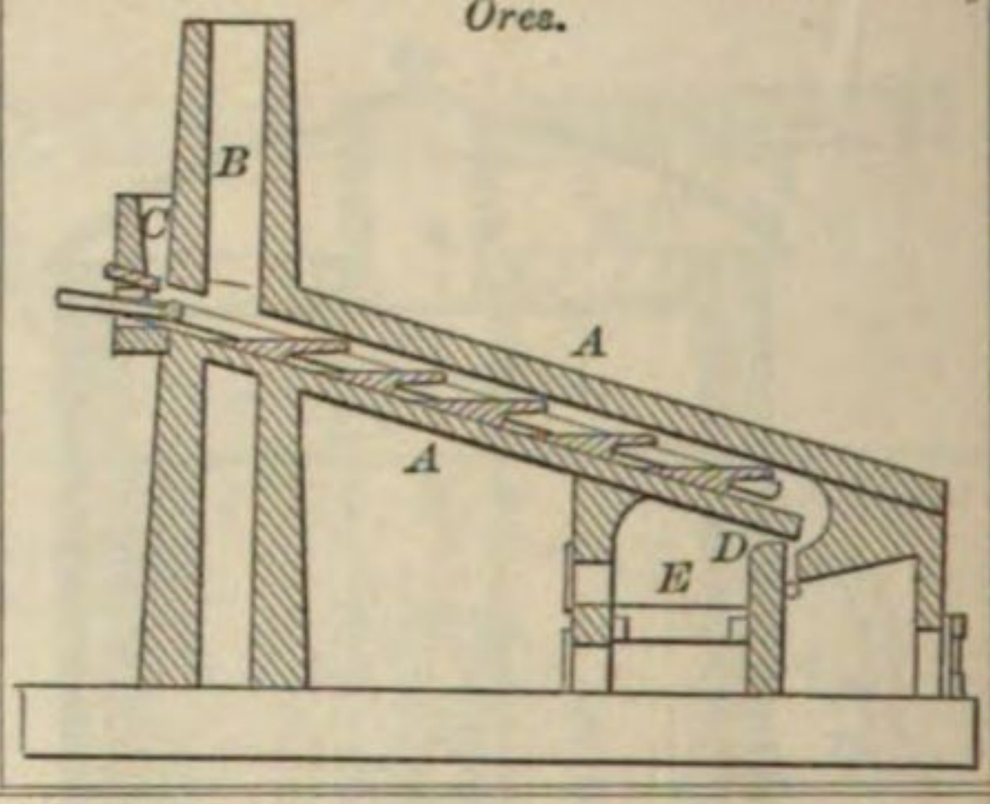
57290—C. S. Clark—*Roof.*



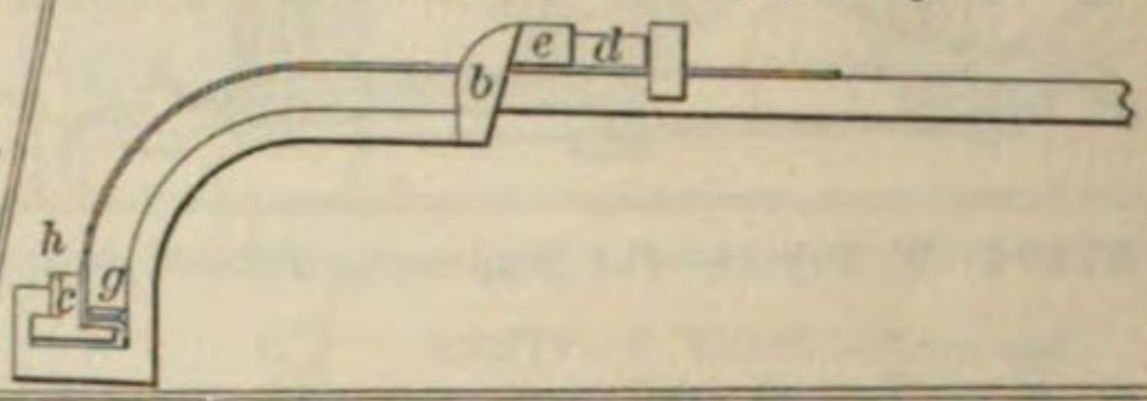




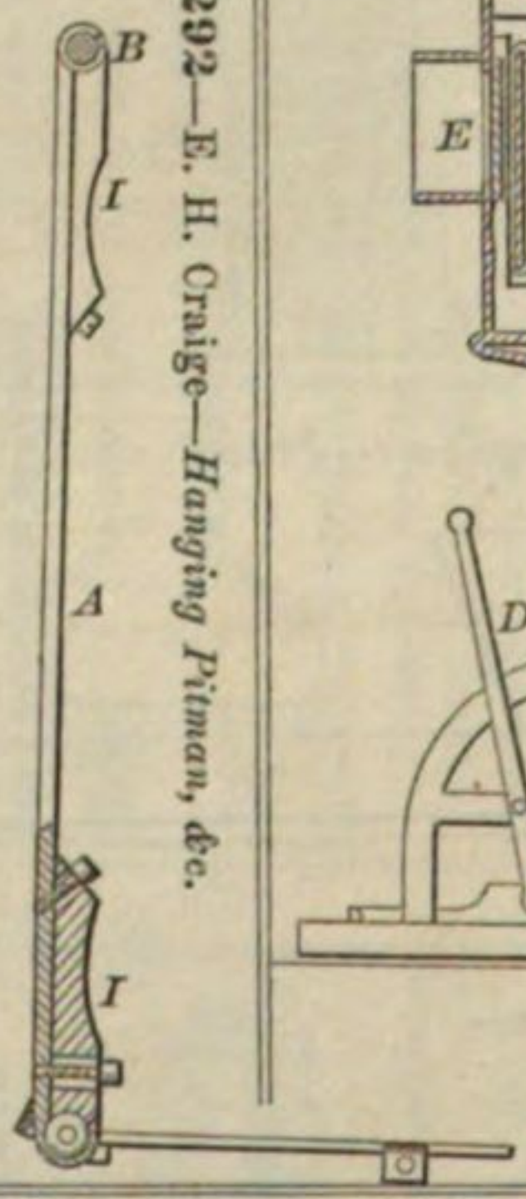
57293—Crosby & Helm—*For Desulphurizing Ores.*



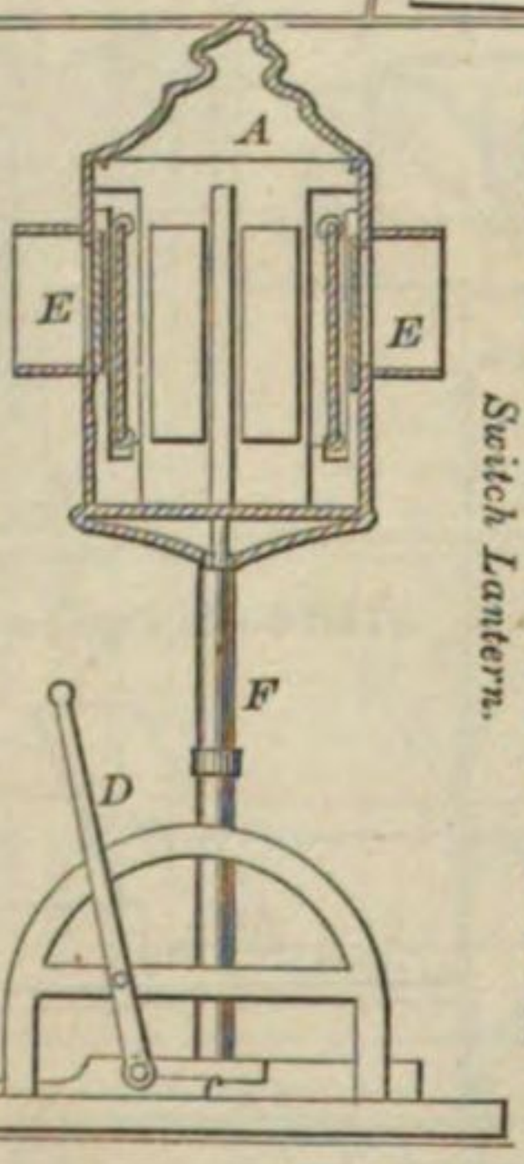
57294—J. W. Dann—*Bending Carriage Thills.*



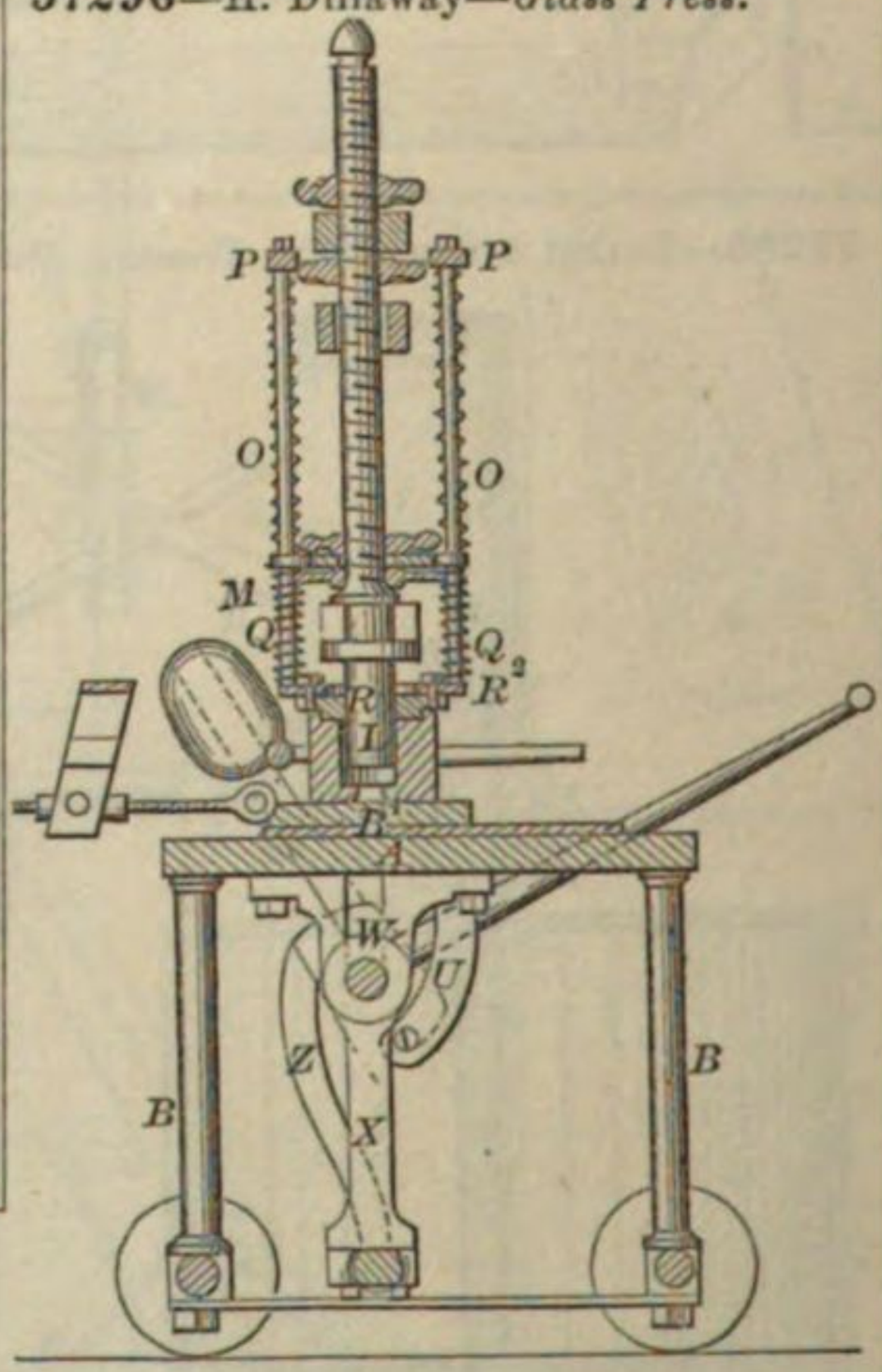
57292—E. H. Craige—*Hanging Pitman, &c.*



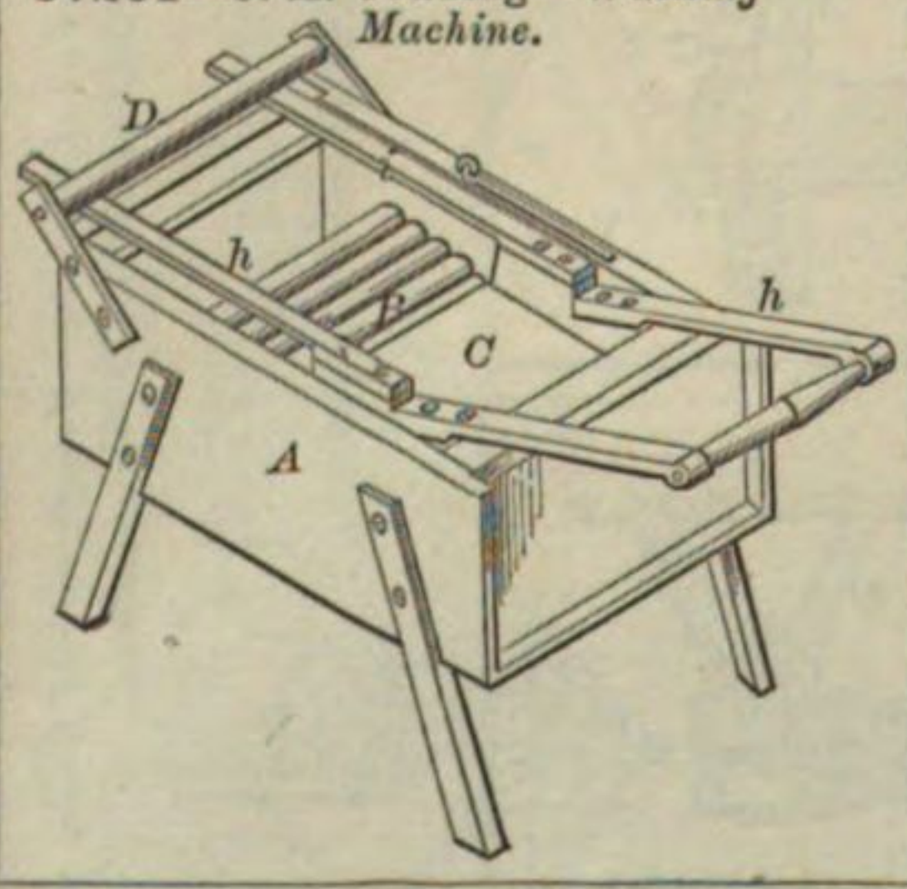
57295—E. E. & A. B. Dickerson—*Railroad Switch Lantern.*

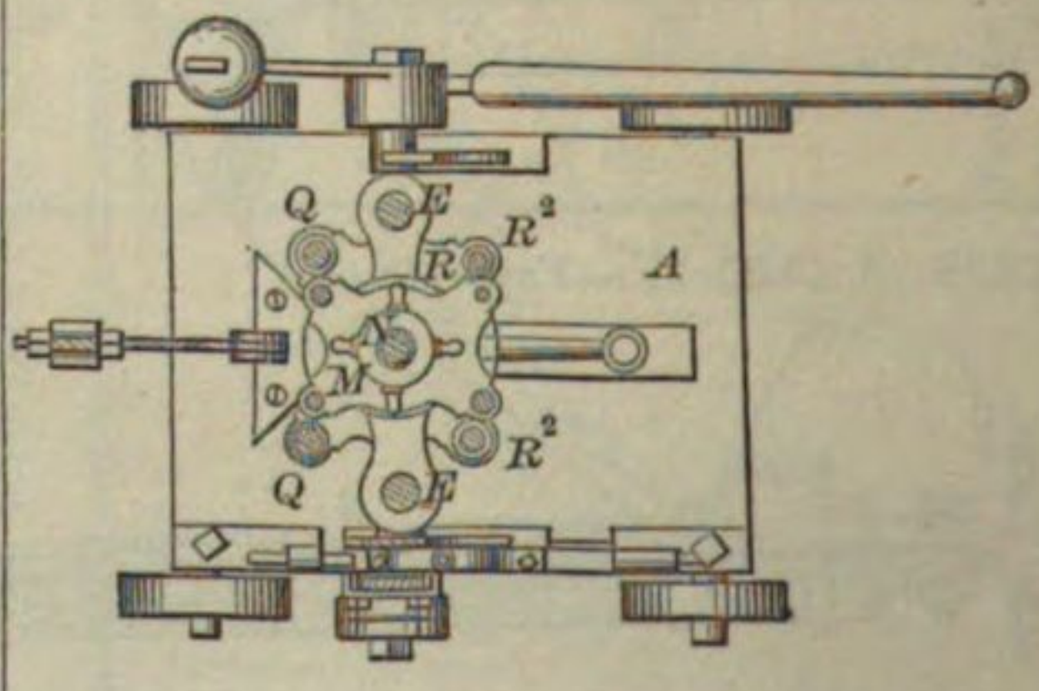


57296—H. Dillaway—*Glass Press.*

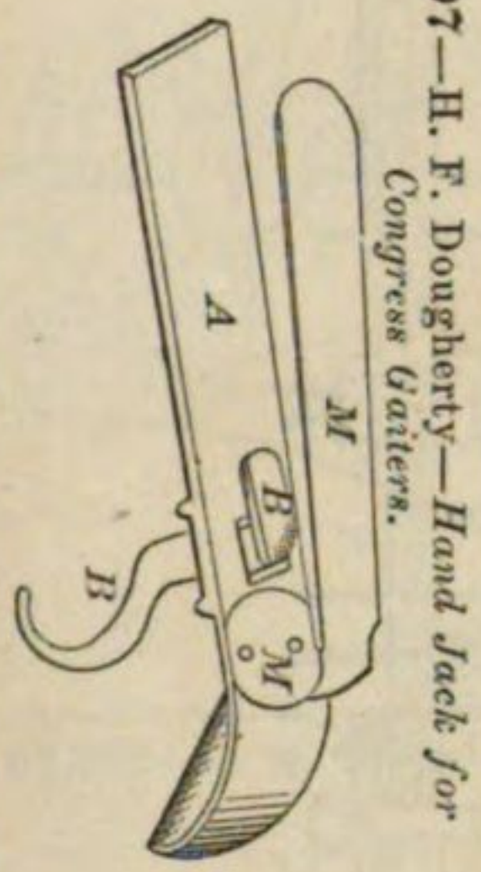


57291—C. A. Codding—*Washing Machine.*

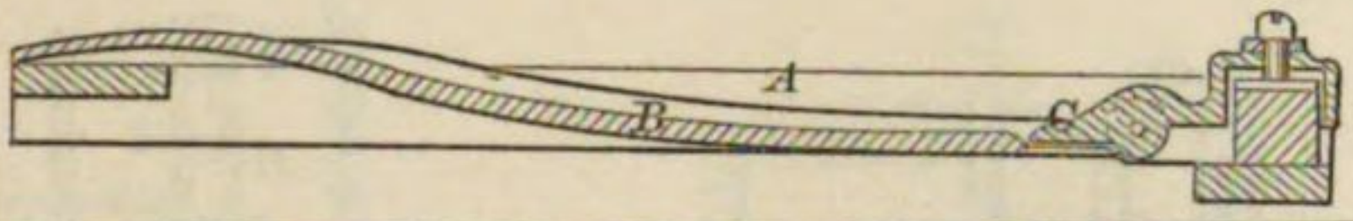




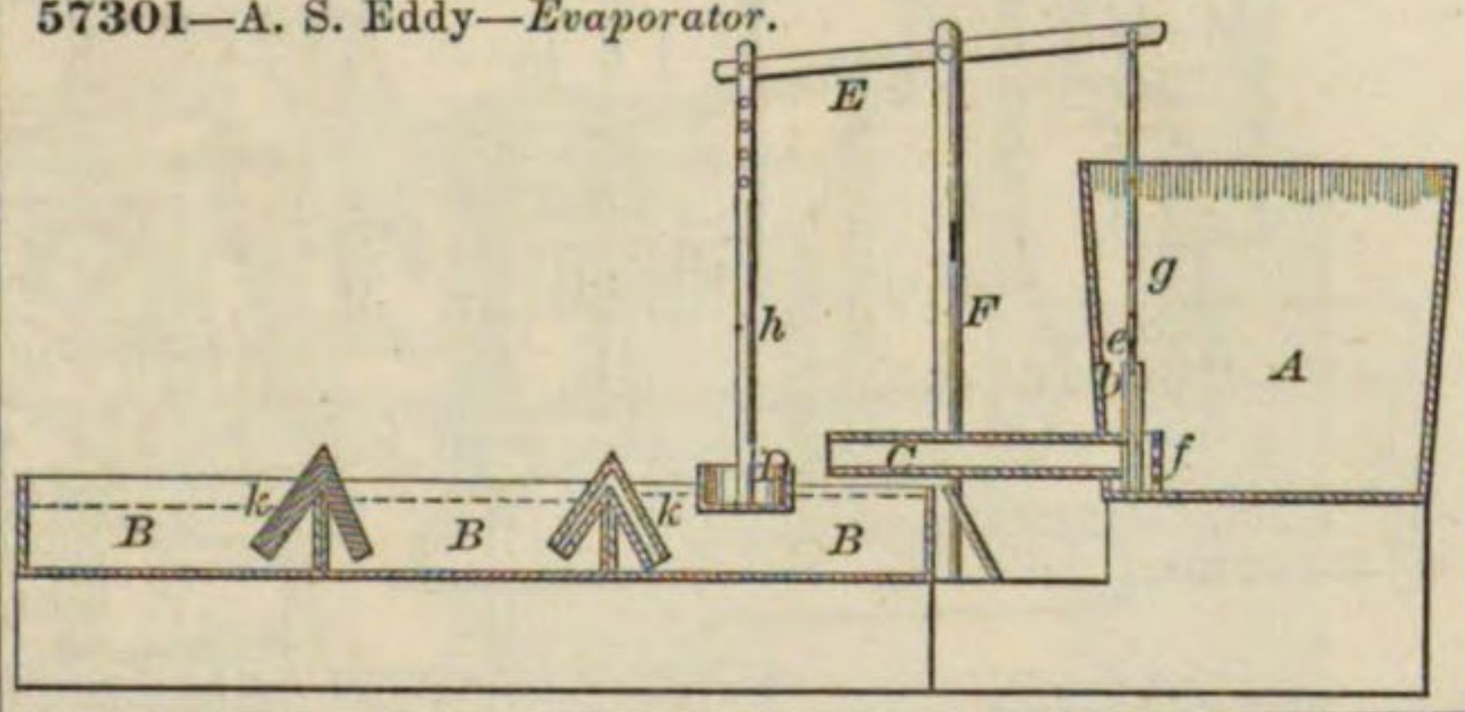
57297—H. F. Dougherty—*Hand Jack for Congress Gaiters.*



57300—C. Duckworth—*Shuttle Binder for Looms.*



57301—A. S. Eddy—*Evaporator.*



57299—J. P. Driver—*Fountain Lamp.*

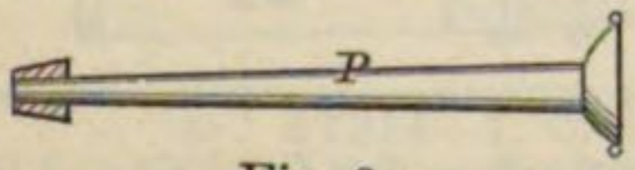


Fig. 4

Fig. 3

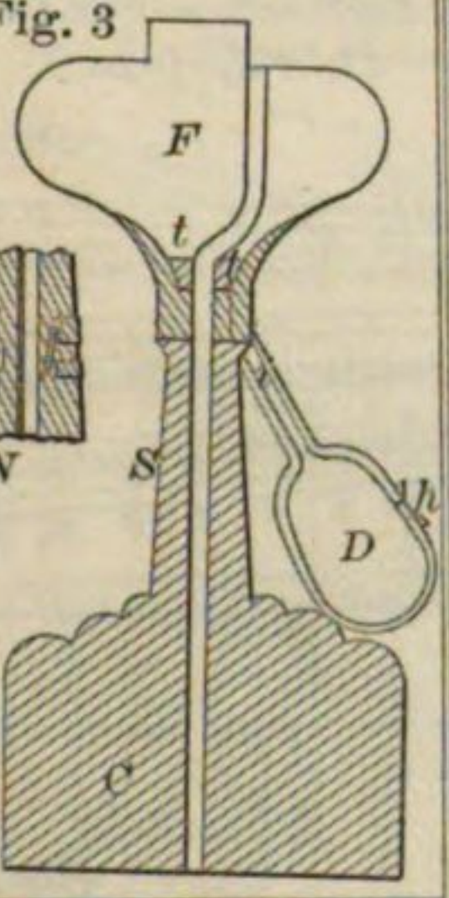
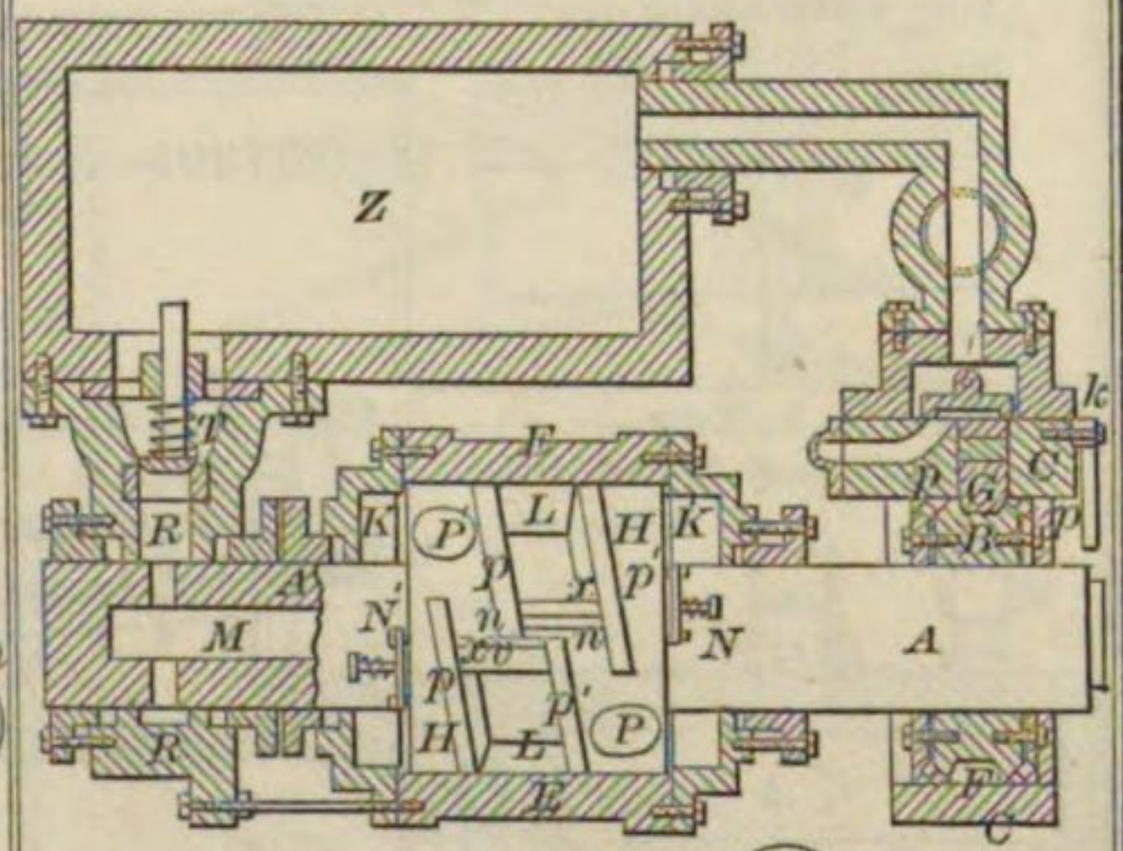
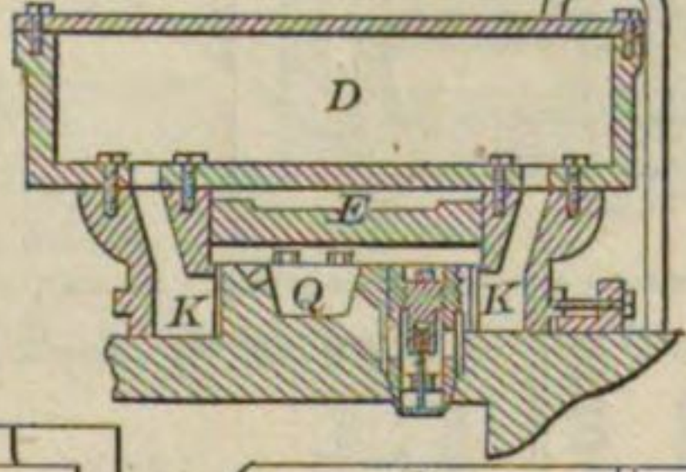


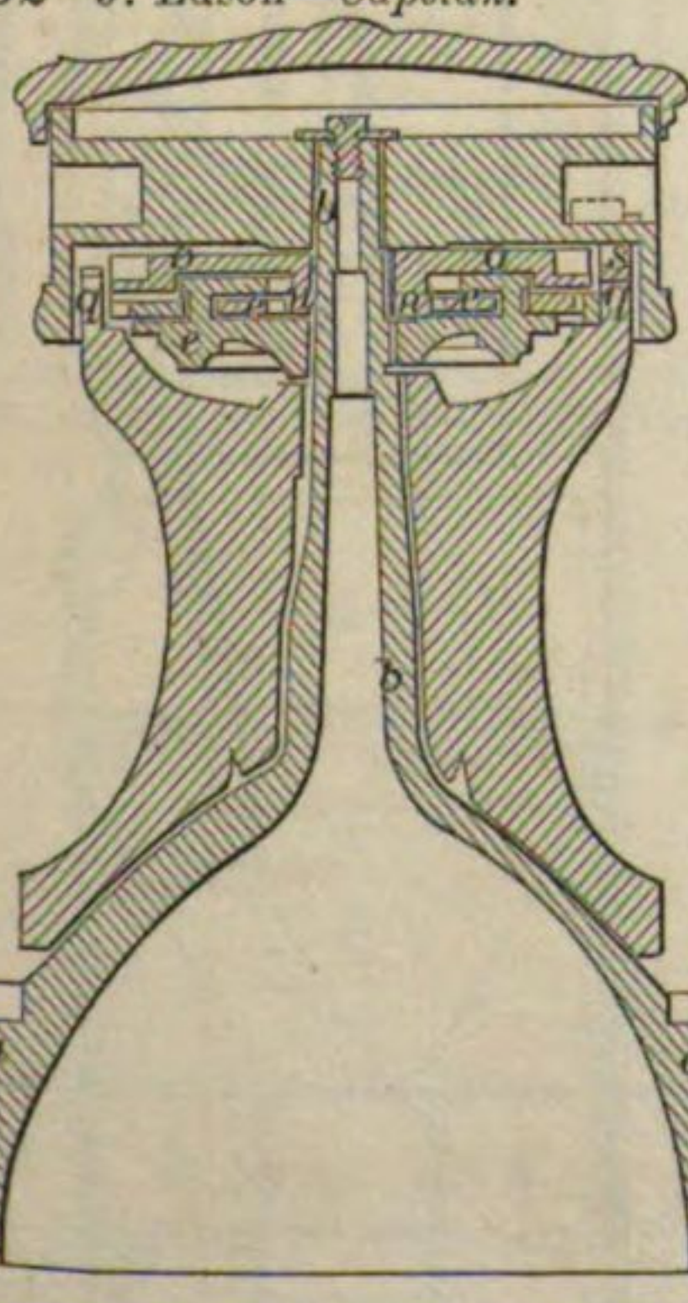
Fig. 5

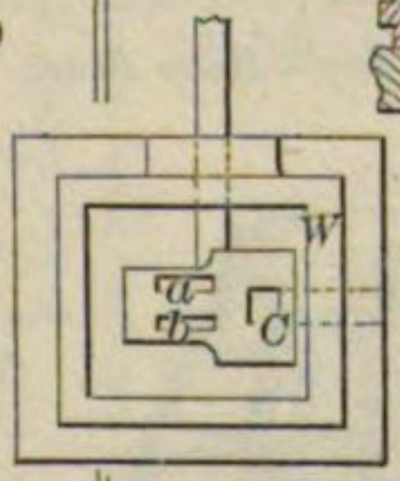
57298—J. Dreisörner—*Hydraulic Engine.*

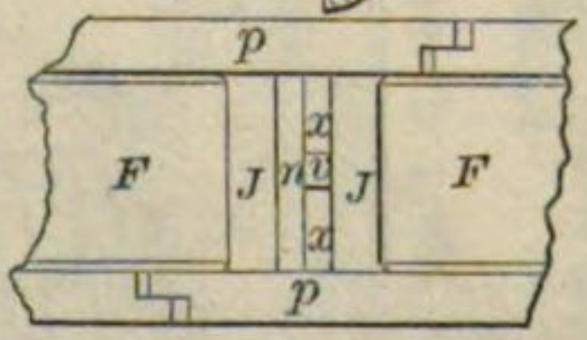


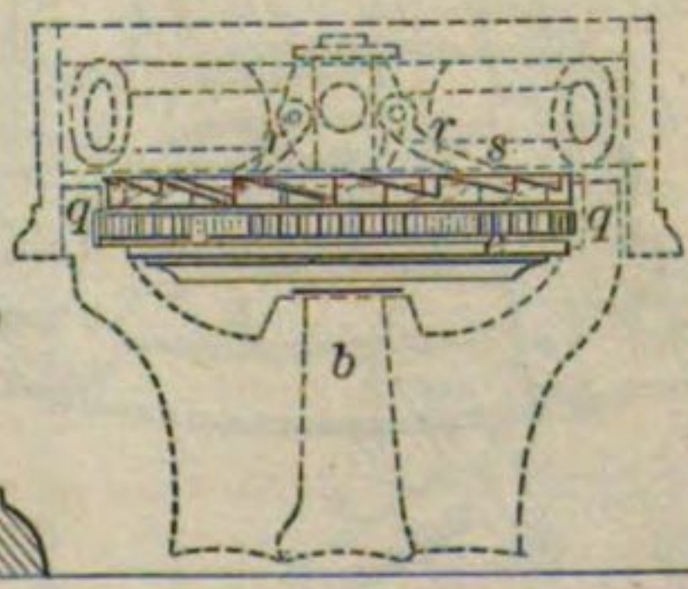


57302—J. Edson—*Capstan.*

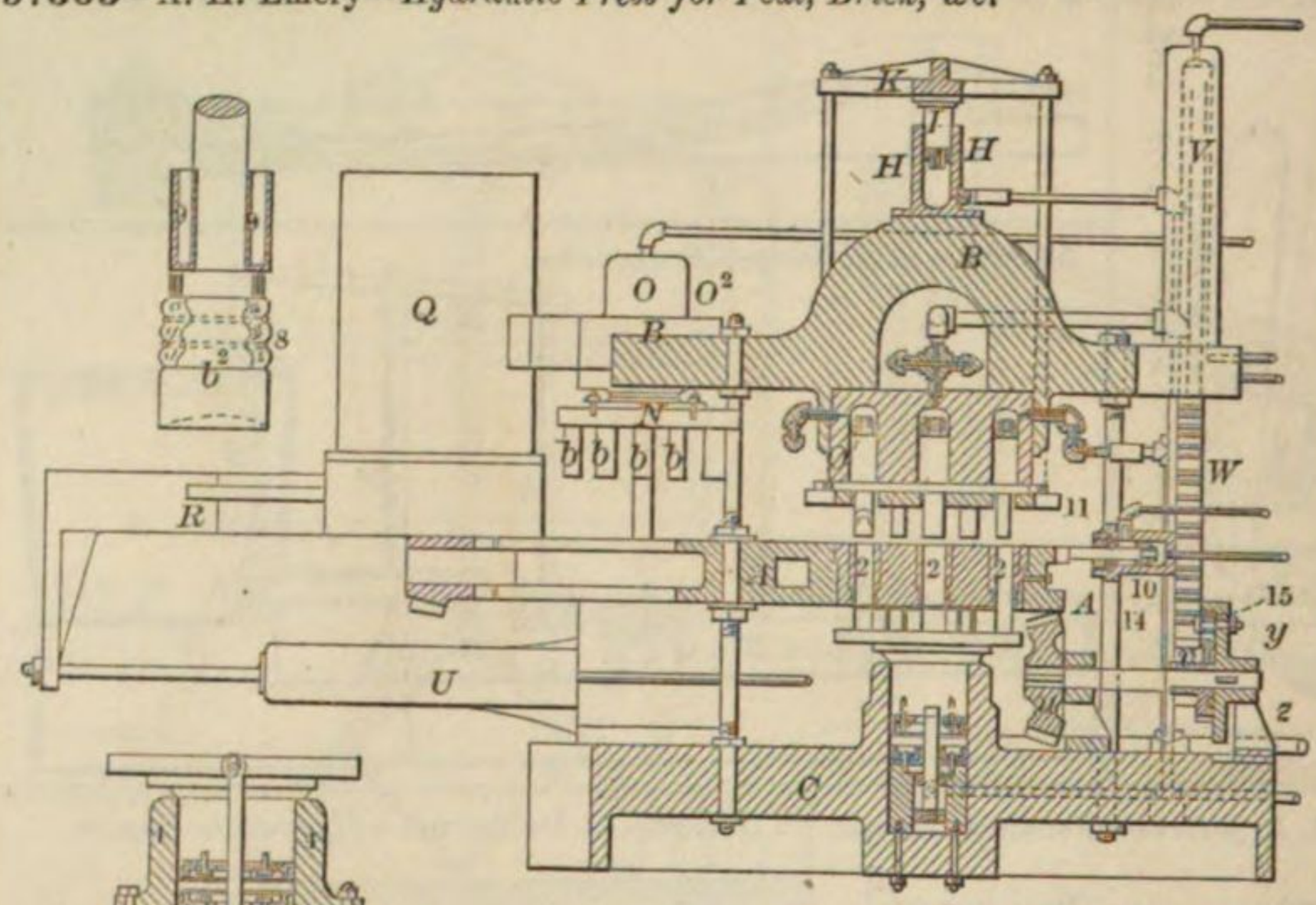




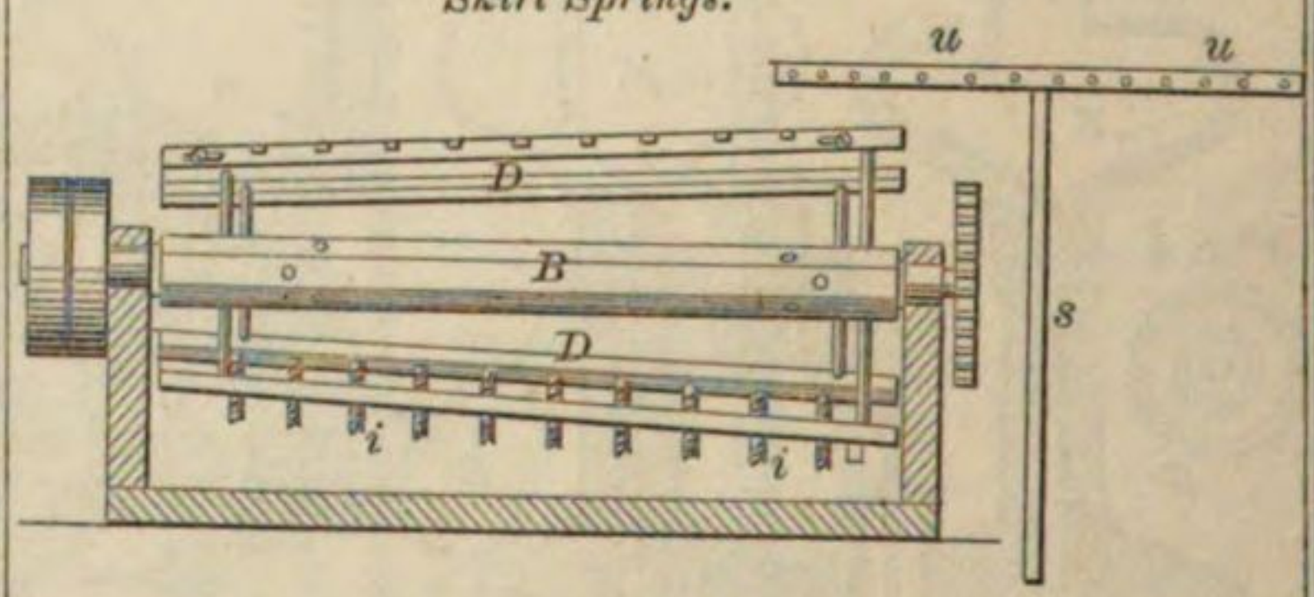




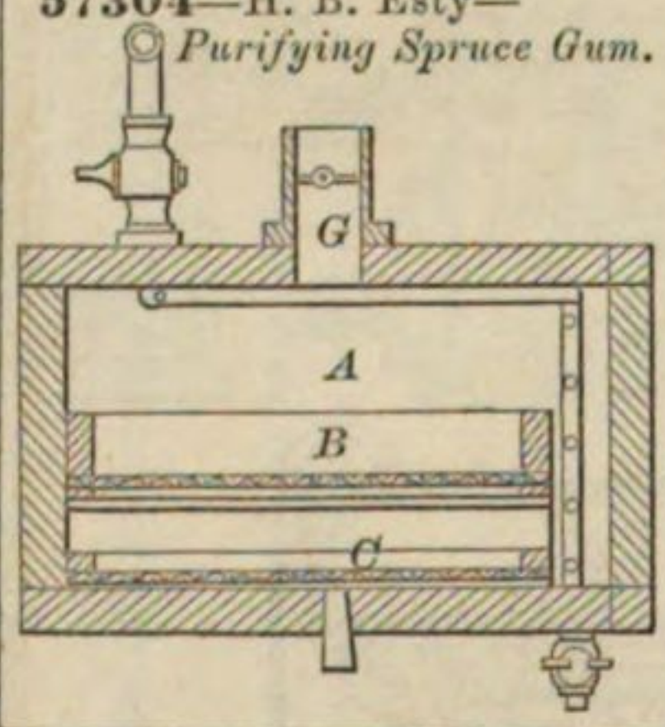
57303—A. H. Emery—*Hydraulic Press for Peat, Brick, &c.*



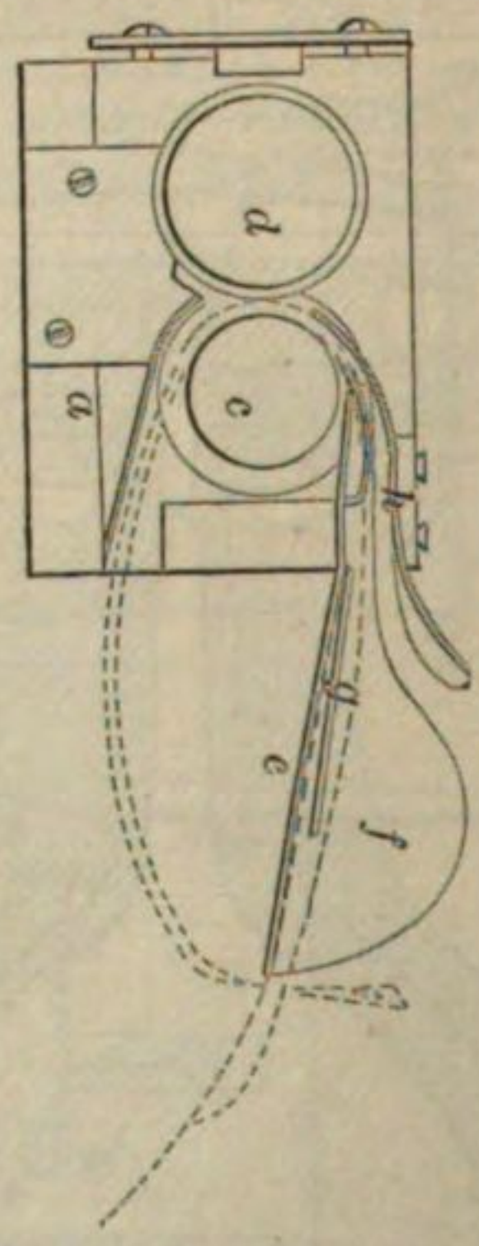
57305—J. J. Fairbanks—*For Forming and Cutting Skirt Springs.*



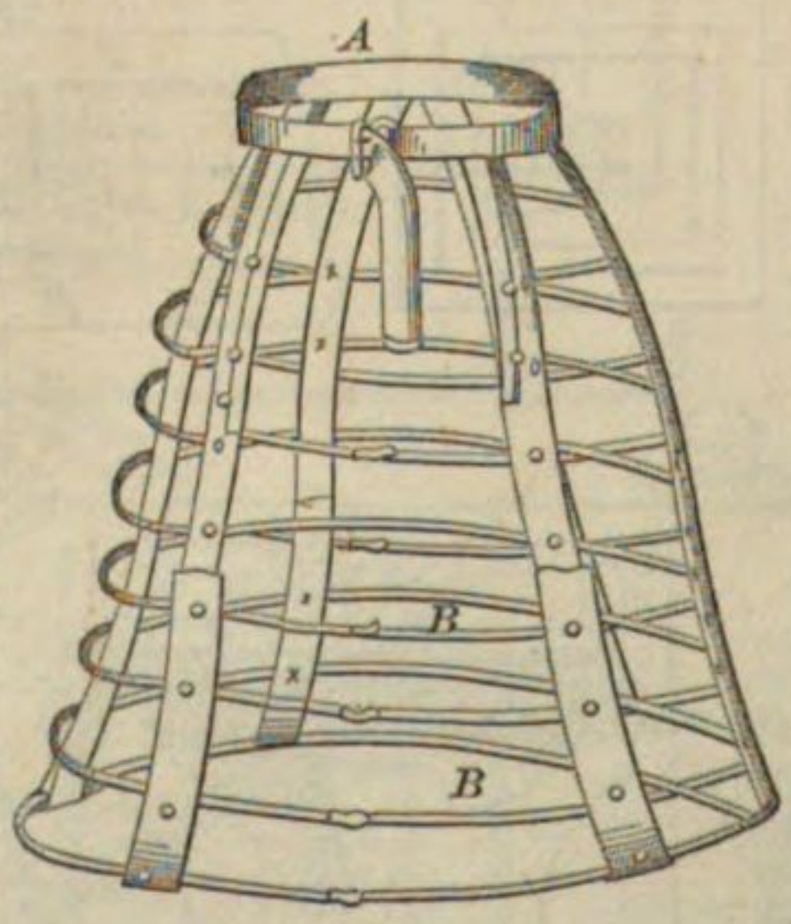
57304—H. B. Esty—*Purifying Spruce Gum.*



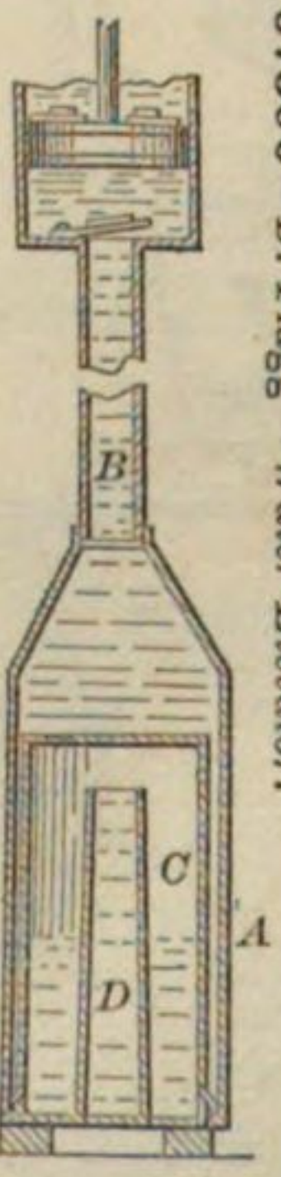
57308—J. C. Ford—*Paper Collar Machine.*



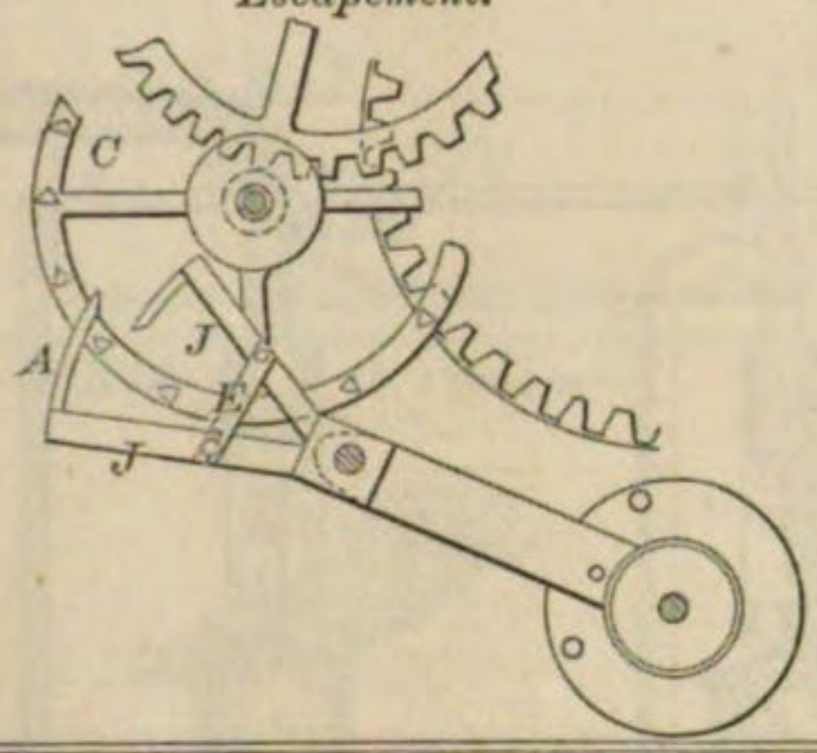
57309—L. H. Foy—*Hoop Skirt.*



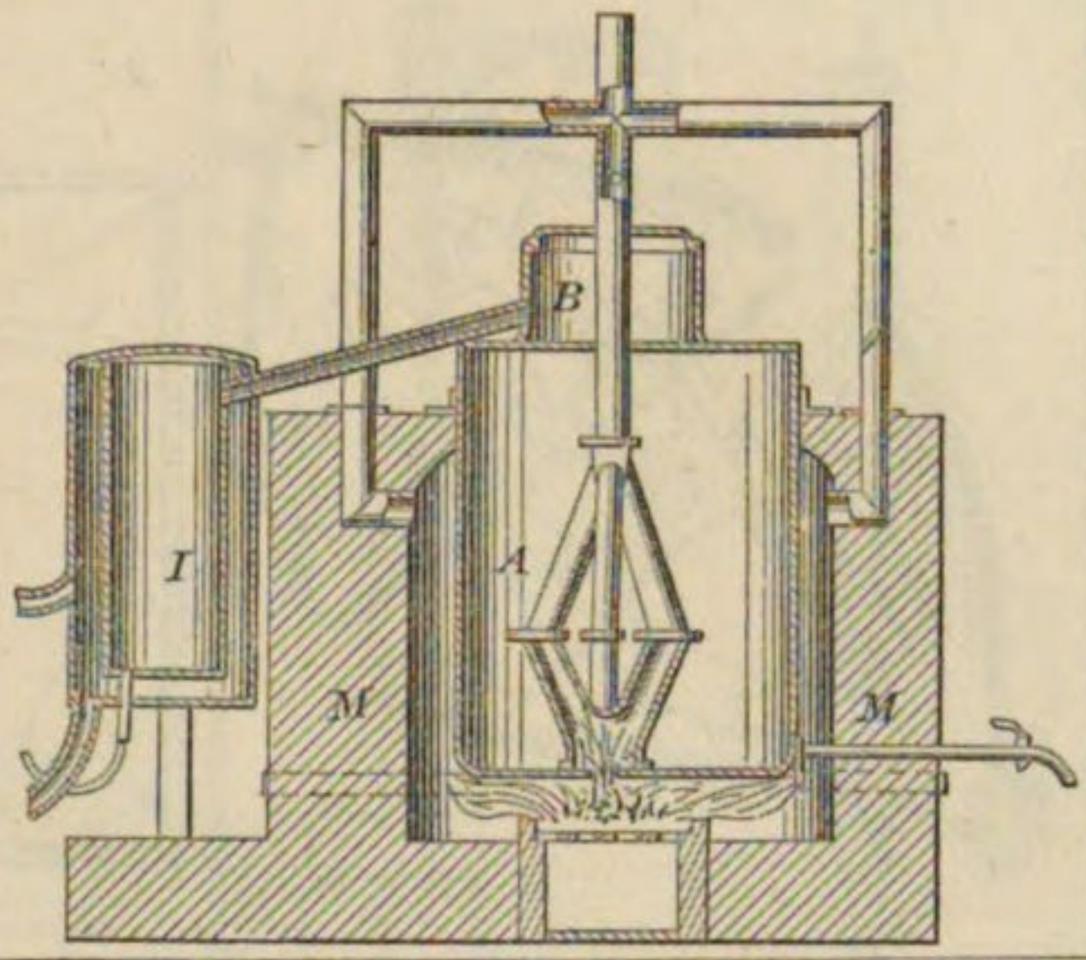
57306—D. Flagg—*Water Elevator.*



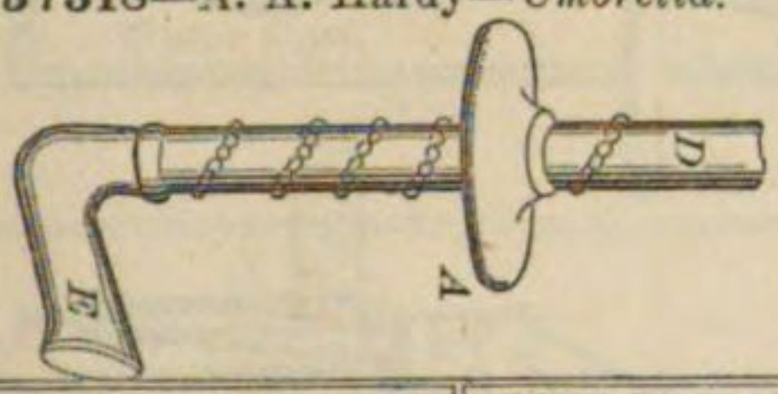
57310—S. D. French—*Watch Escapement.*



57311—J. B. Grant—*For Distilling Oil.*



57318—A. A. Hardy—*Umbrella.*



57312—A. B. Greenwalt—*Carriage Spring.*

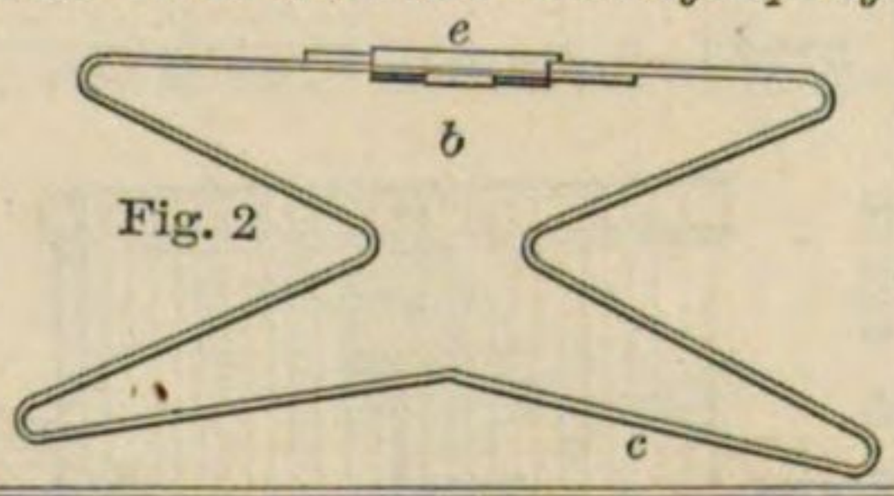
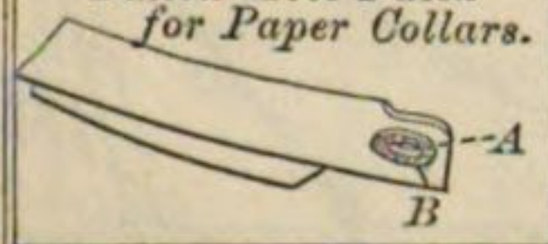
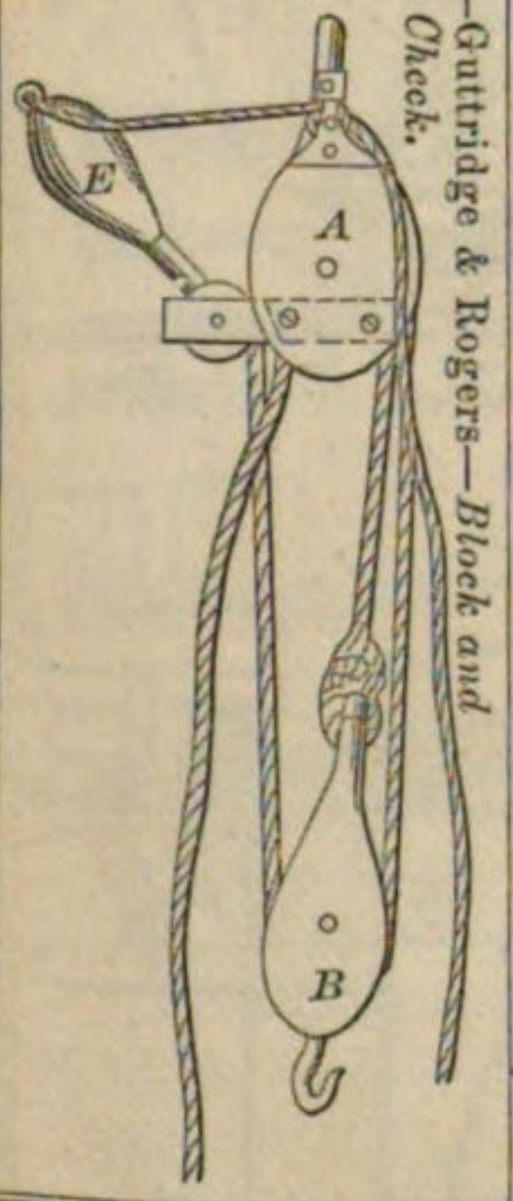


Fig. 2

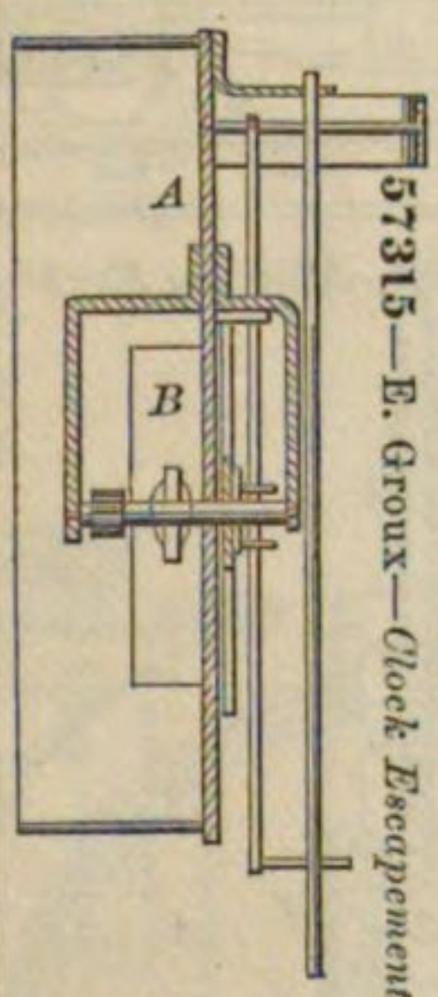
57314—T. Griffin—*Button Hole Patch for Paper Collars.*



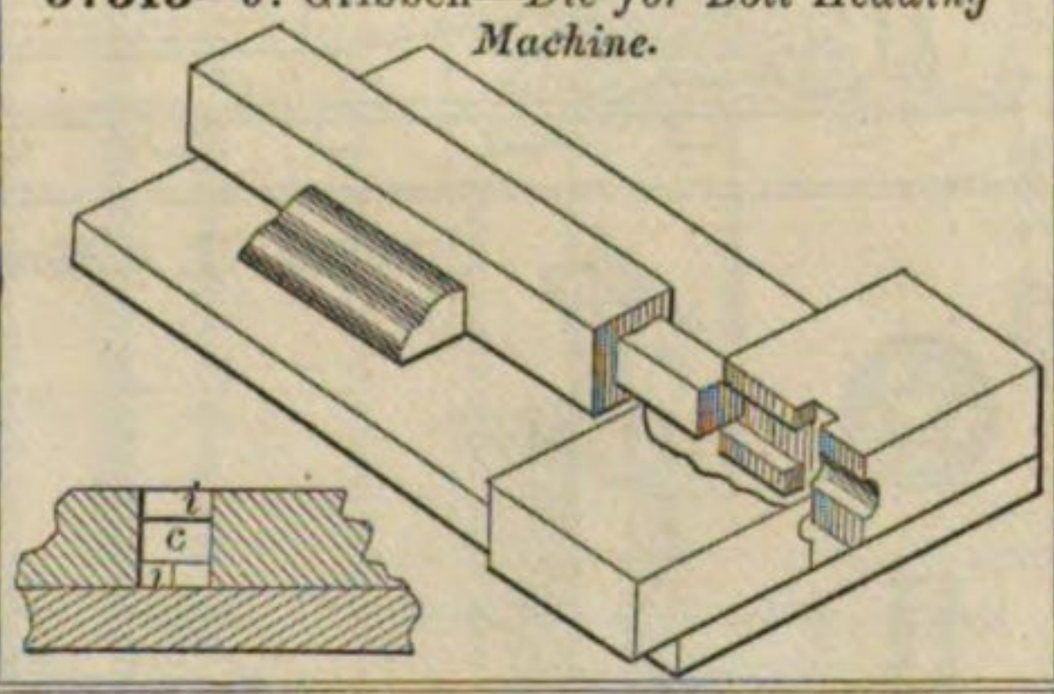
57316—Guttridge & Rogers—*Block and Tackle Check.*



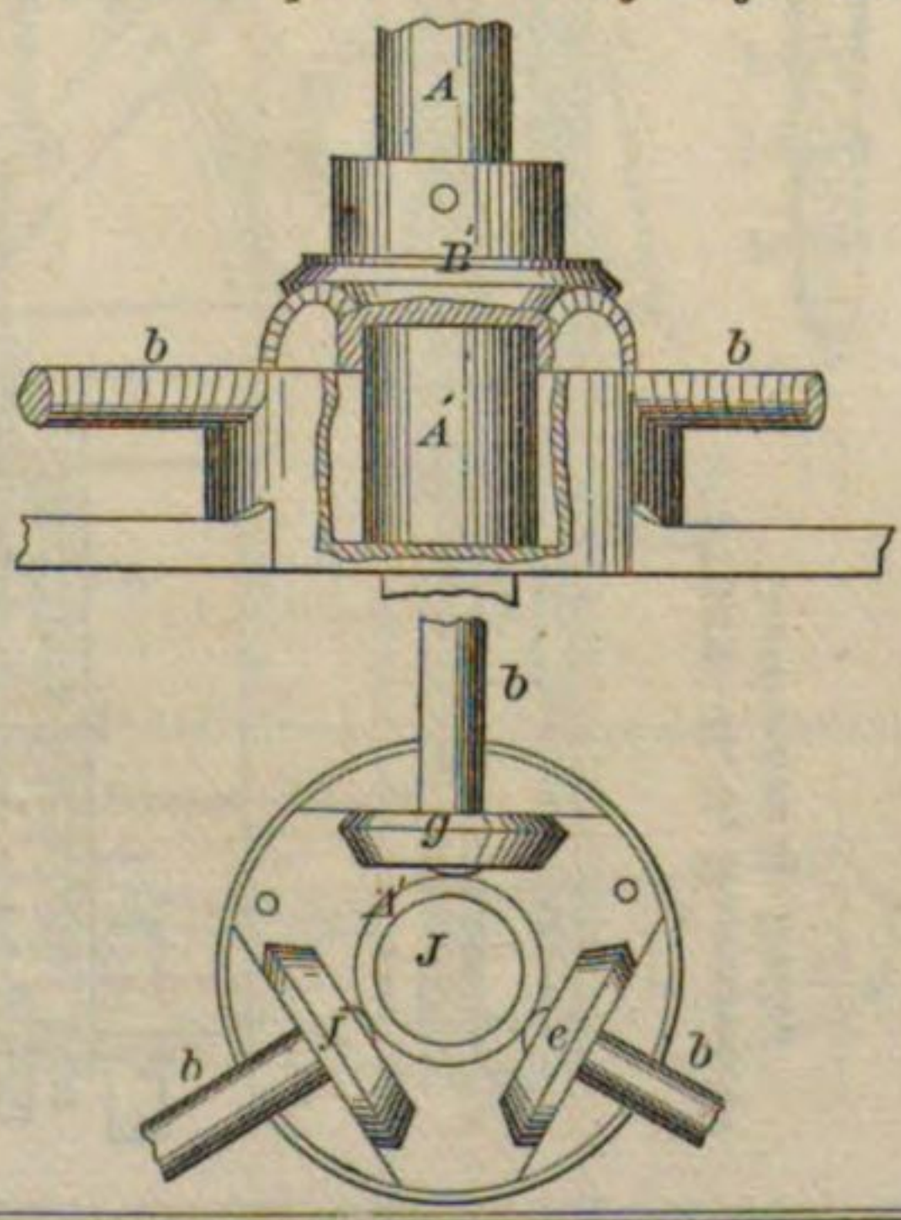
57315—E. Groux—*Clock Escapement.*



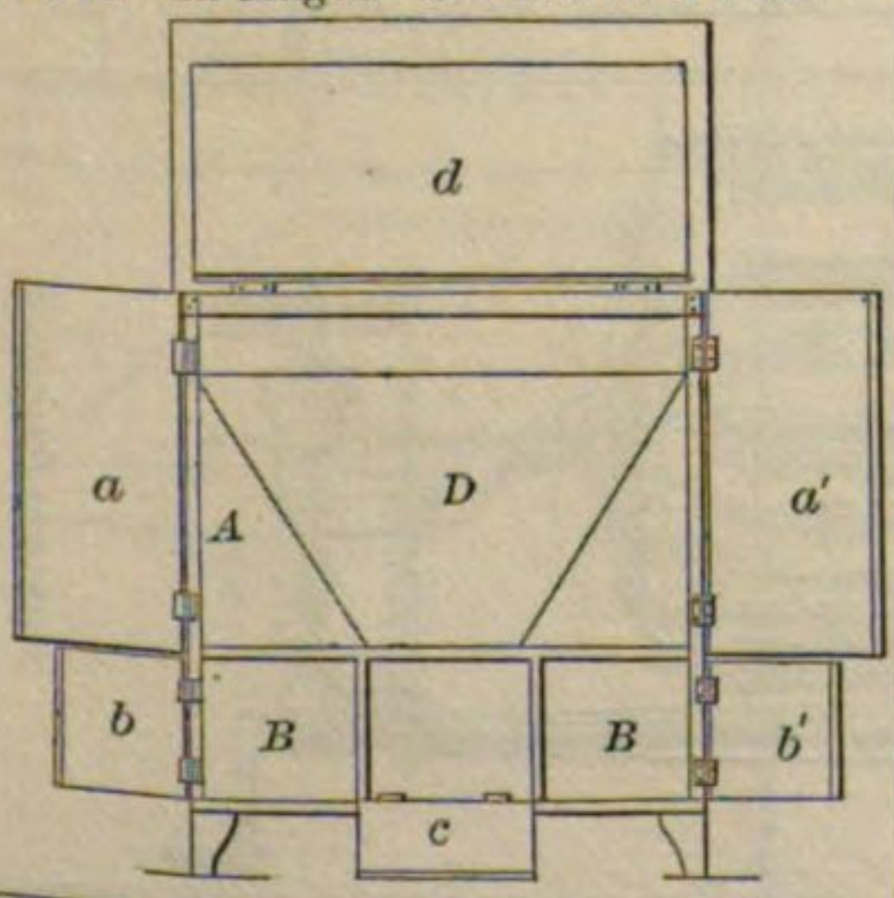
57313—J. Gribben—*Die for Bolt Heading Machine.*



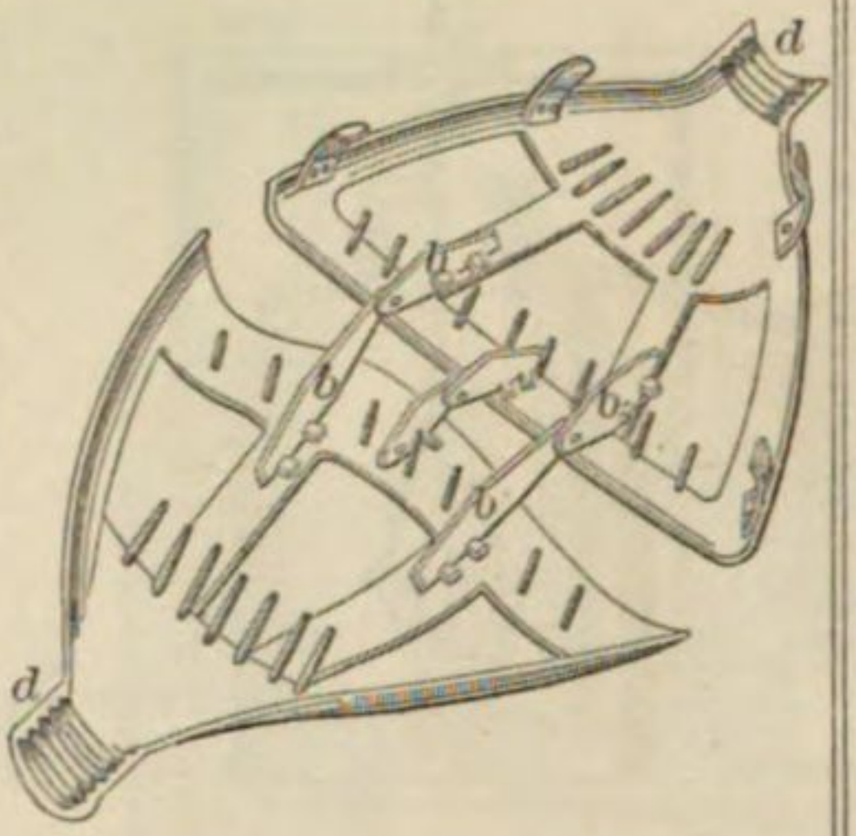
57319—T. Harper—*For Boring Wagon Hubs.*



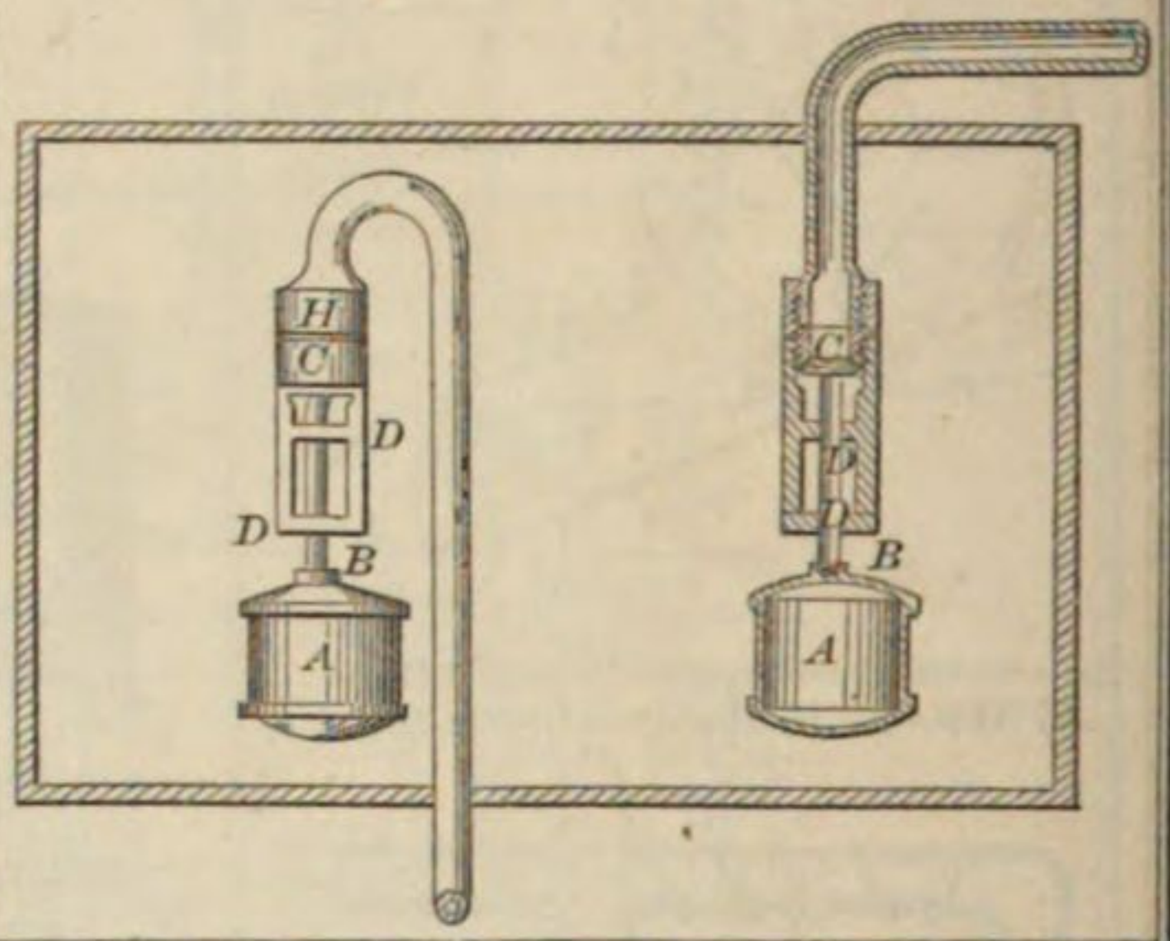
57317—R. Hagen—*Ice and Coal Box.*



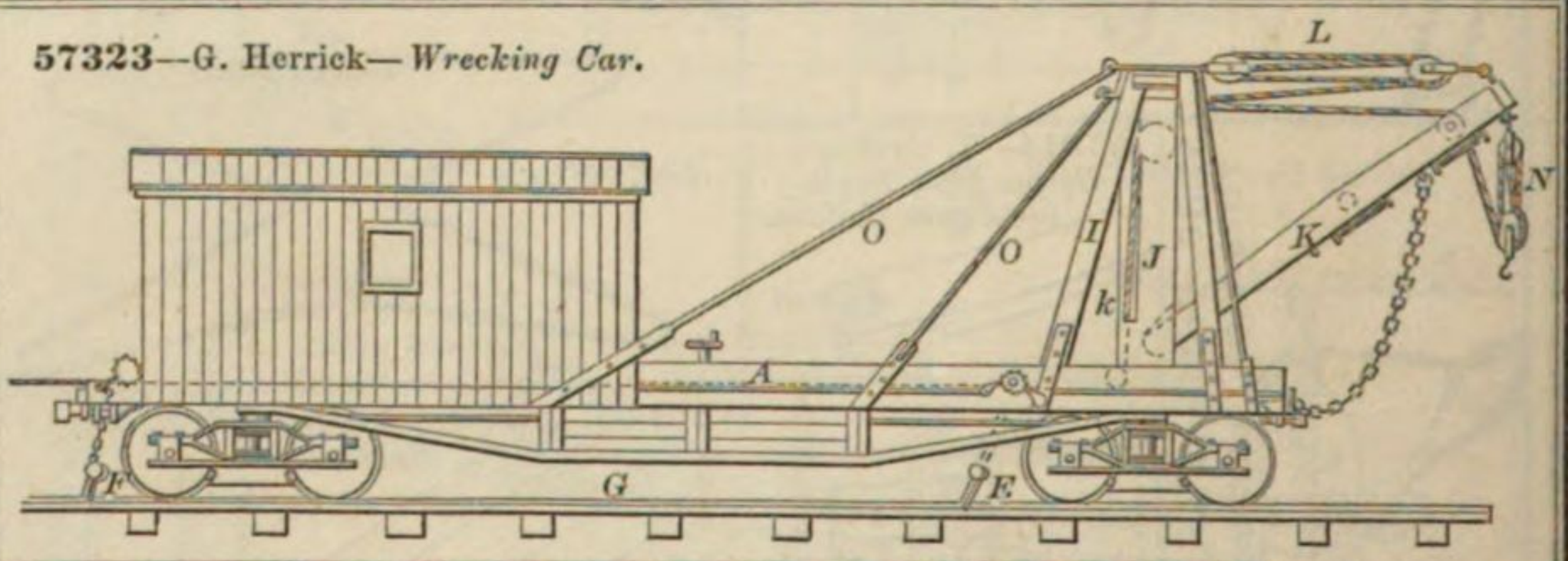
57320—A. Harroun—*Broom Head.*

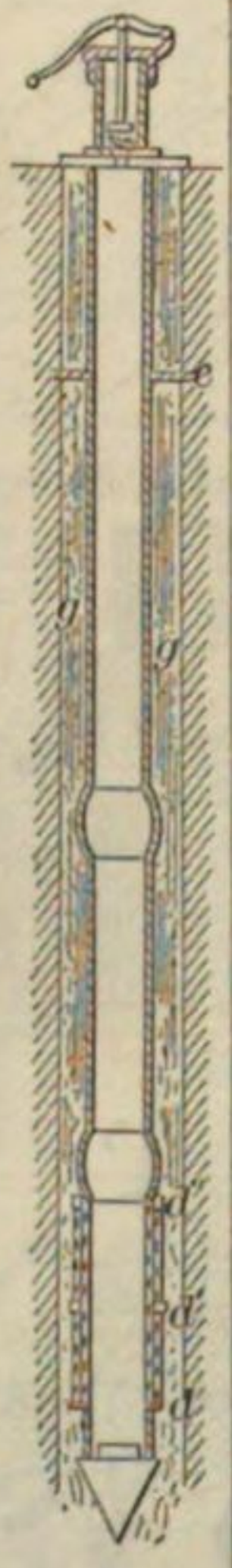


57321—E. Heald—*Float Valve.*



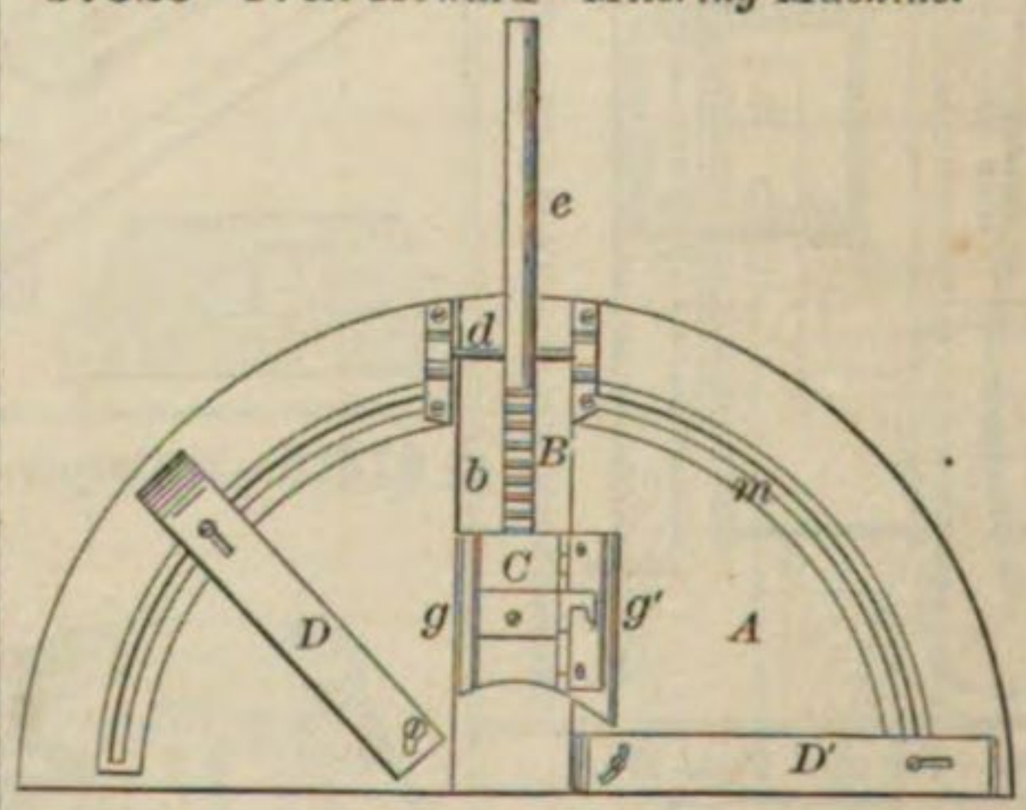
57323—G. Herrick—*Wrecking Car.*

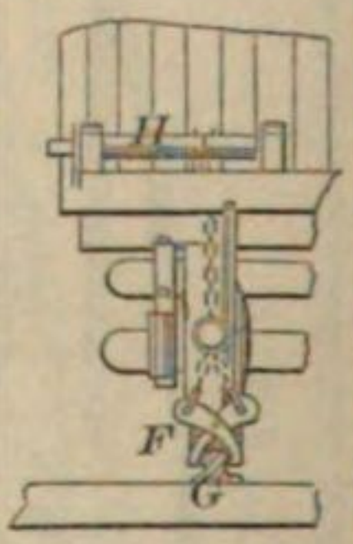




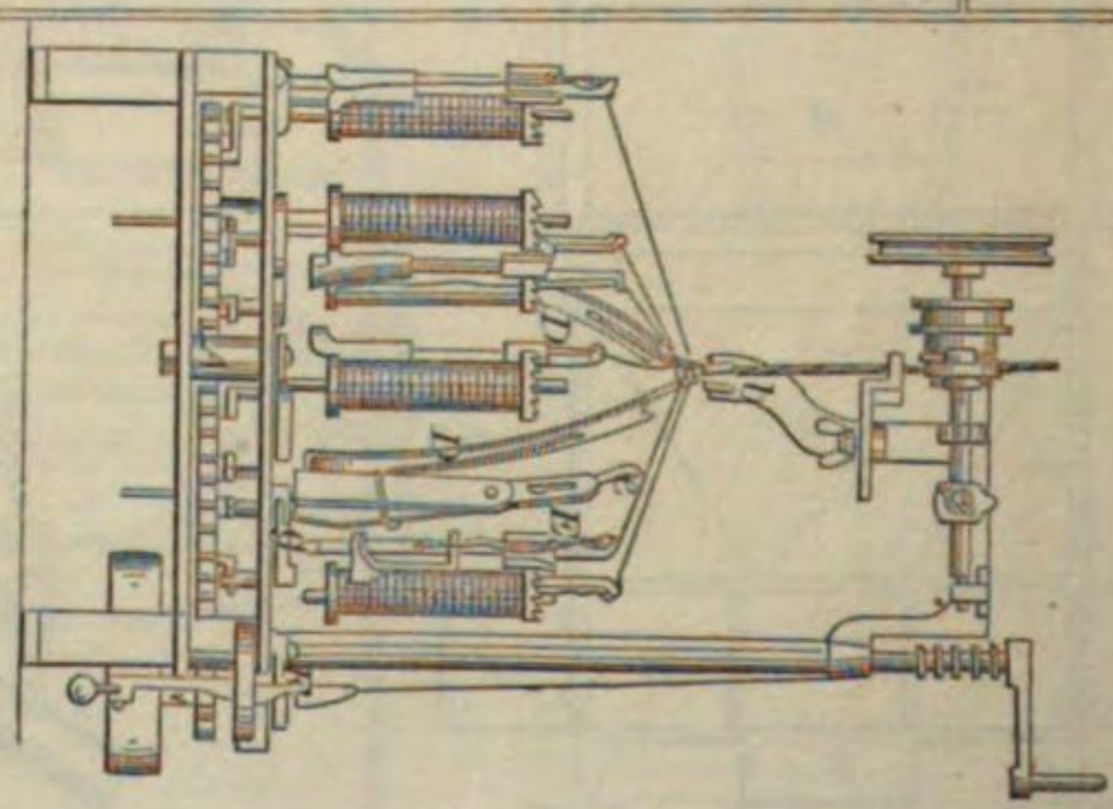
57322—G. G. Heermance—*Construction of Wells.*

57325—F. A. Howard—*Mitering Machine.*

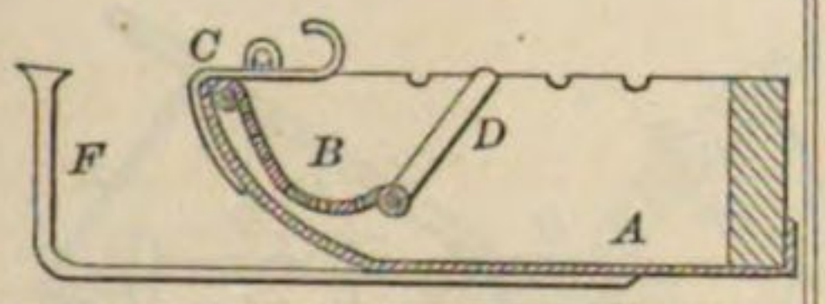




57326—Howe & Mackrell—*Braiding Machine.*

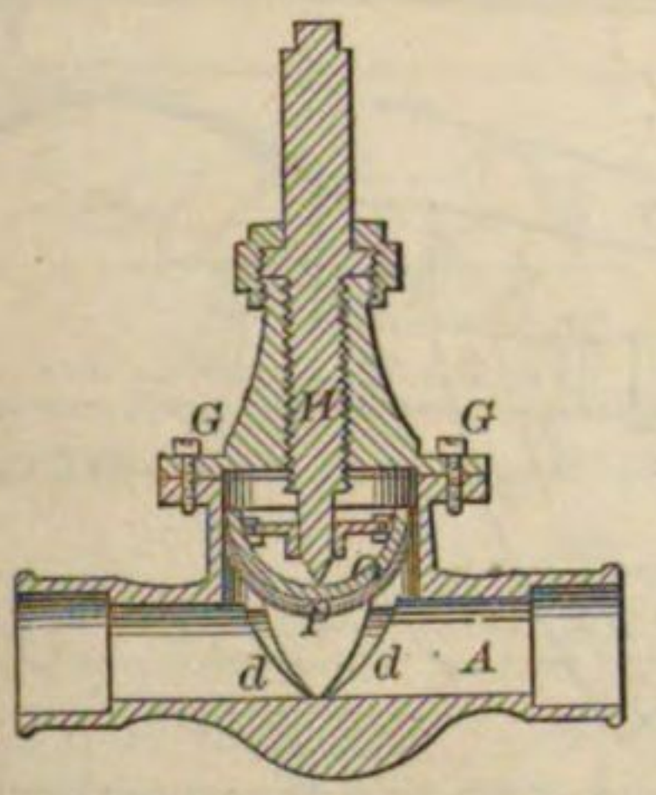


57327—W. H. Isaacs—*Evaporator.*

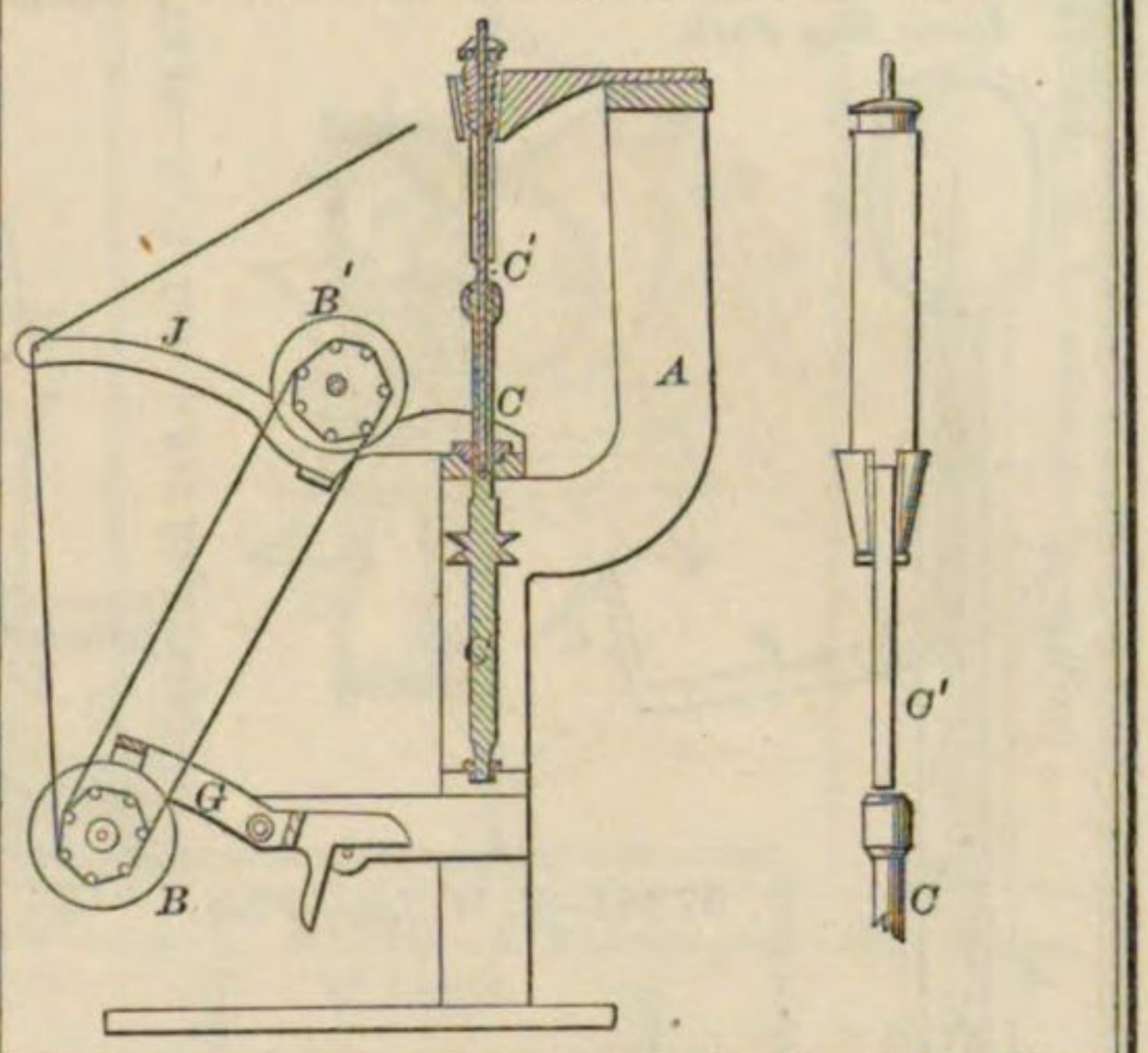


57328—H. S. C. Iwerson—
Head Dress.

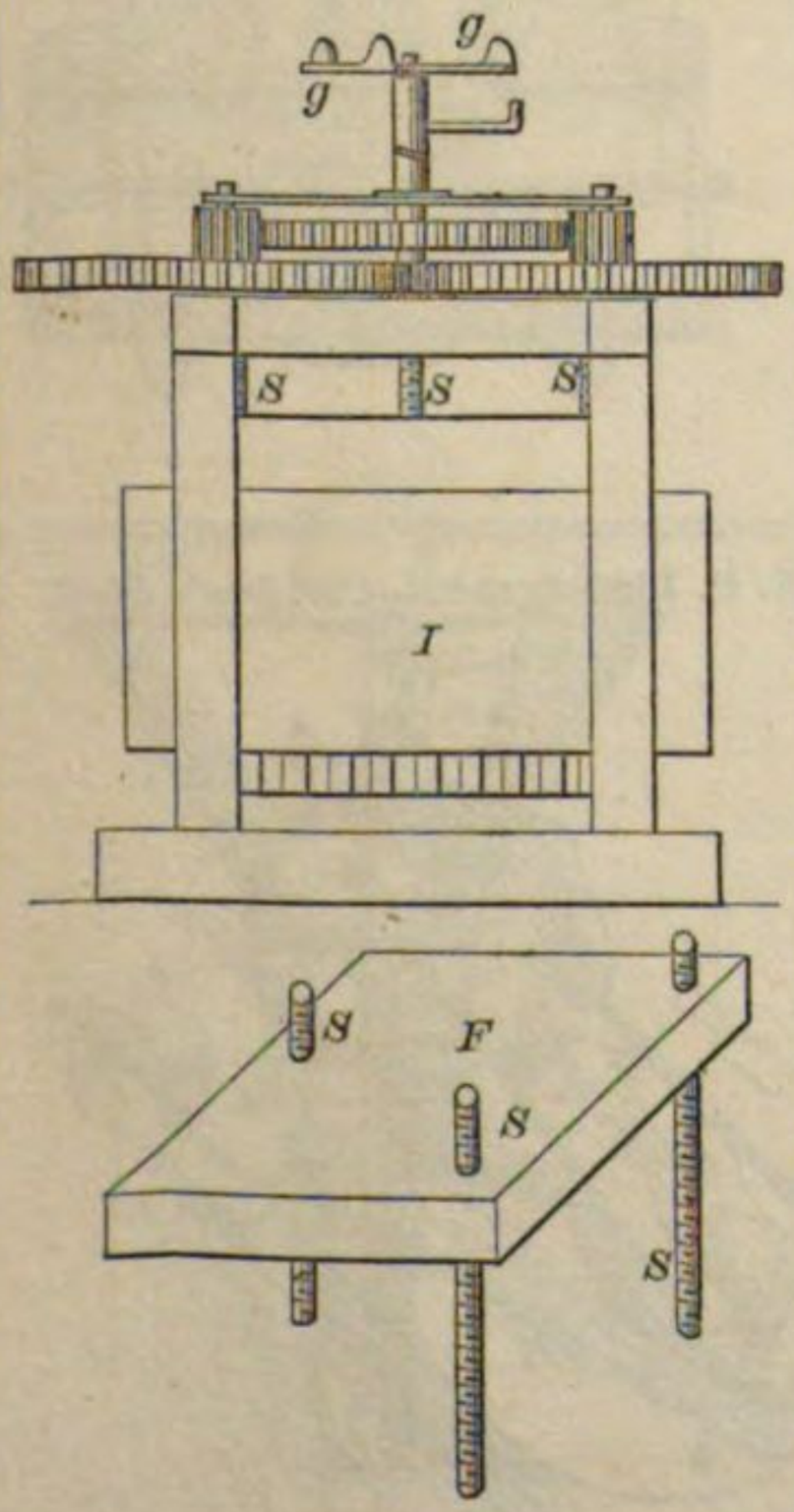
57329—N. Jenkins—
Water Gate.



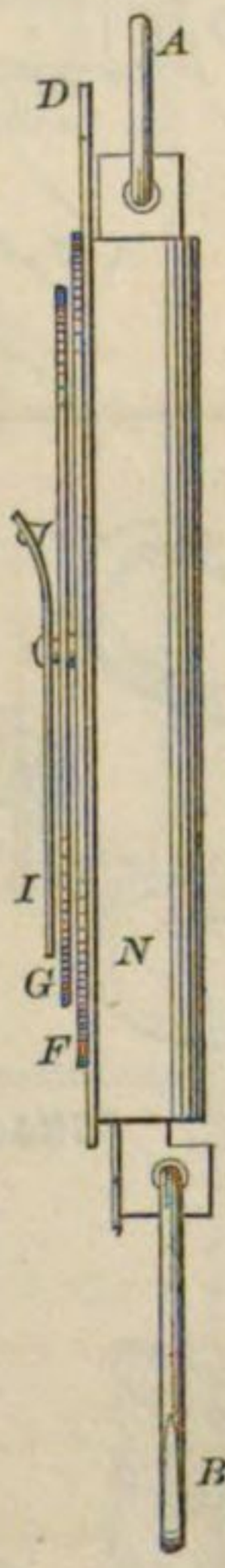
57330—B. H. Jenks—*Cop Winding Machine.*



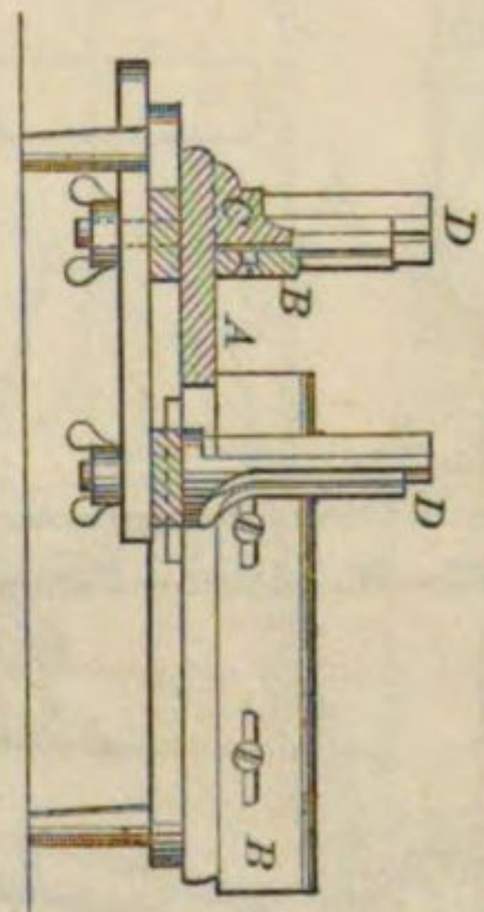
57331—I. H. Johnson—*Hay Press.*



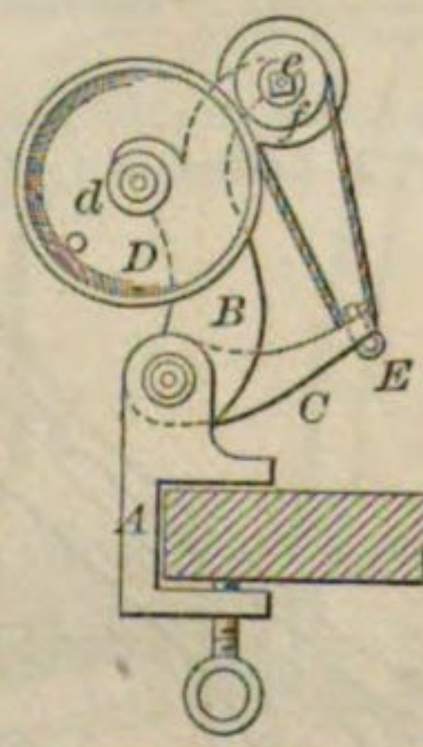
57332—J. Johnson—*Automatic Calculator for Scales.*



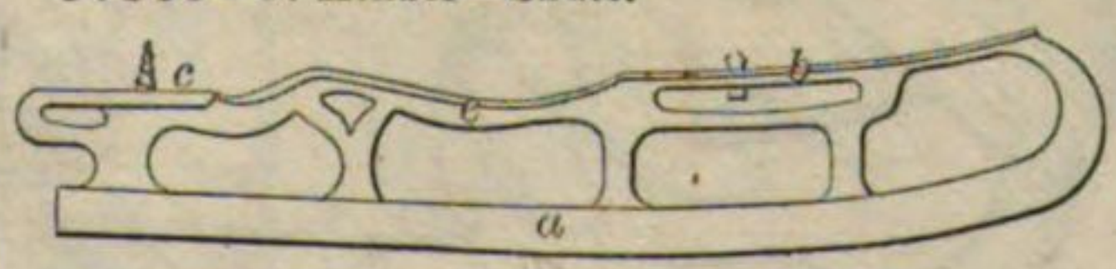
57334—G. Keating—*Mitre Box.*



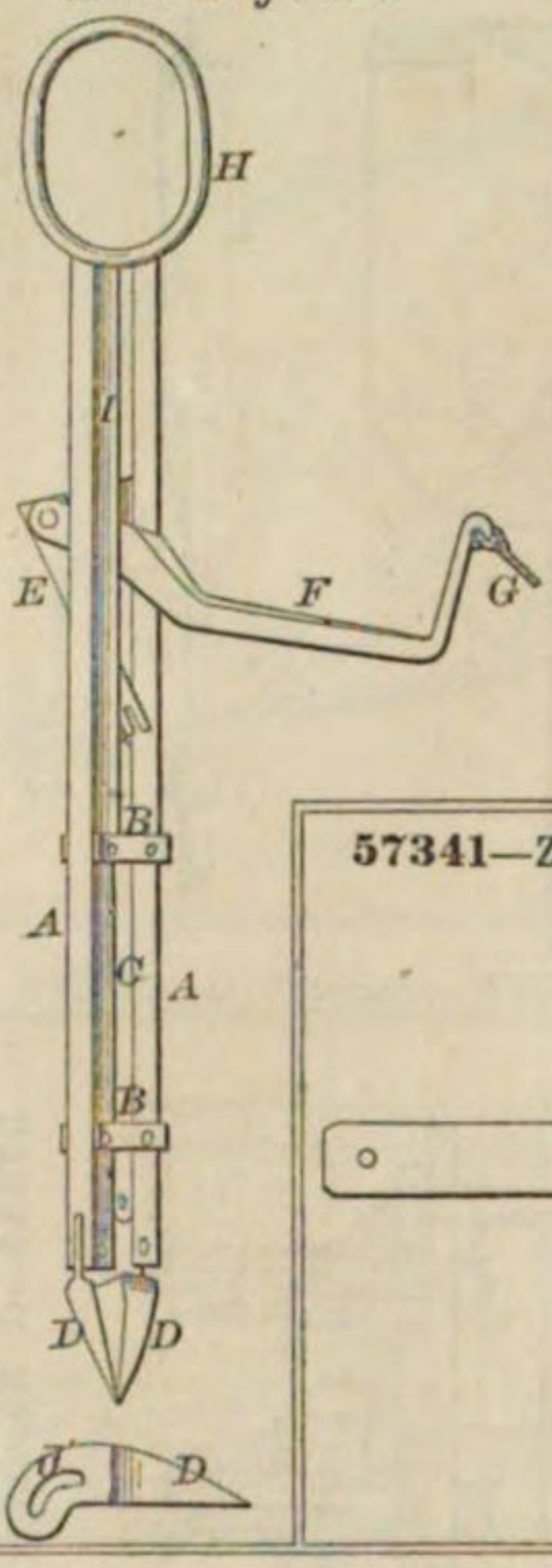
57336—H. Koeller—*Hand Spinning Machine.*



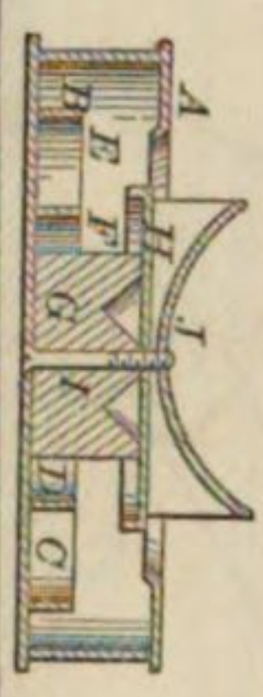
57335—J. Kinzer—*Skate.*



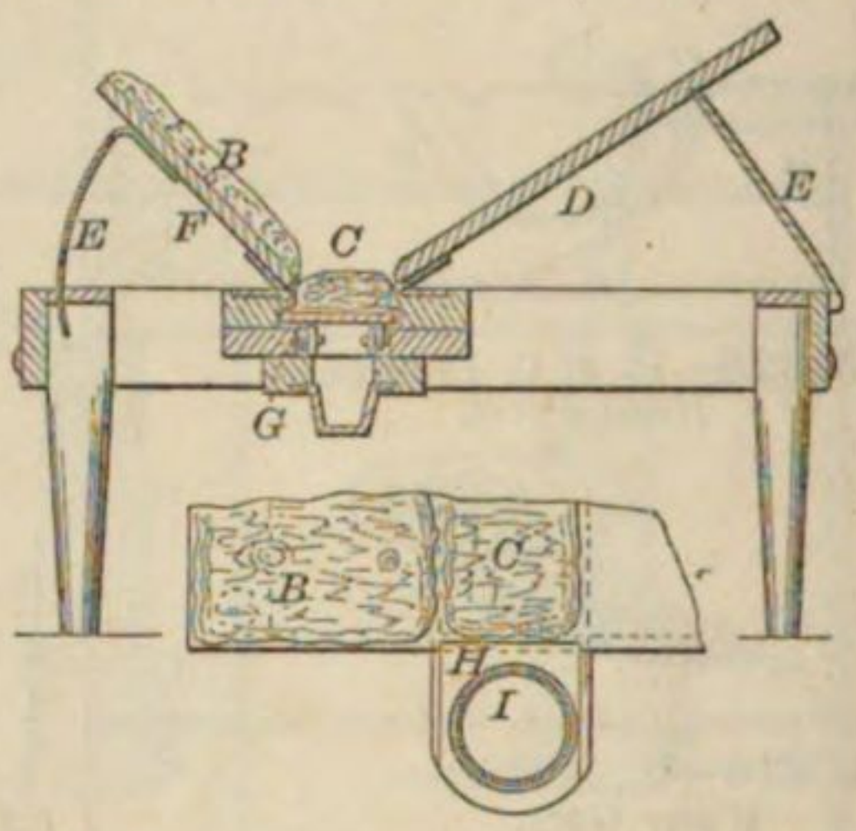
57337—A. J. Laird—*Horse Hay Fork.*



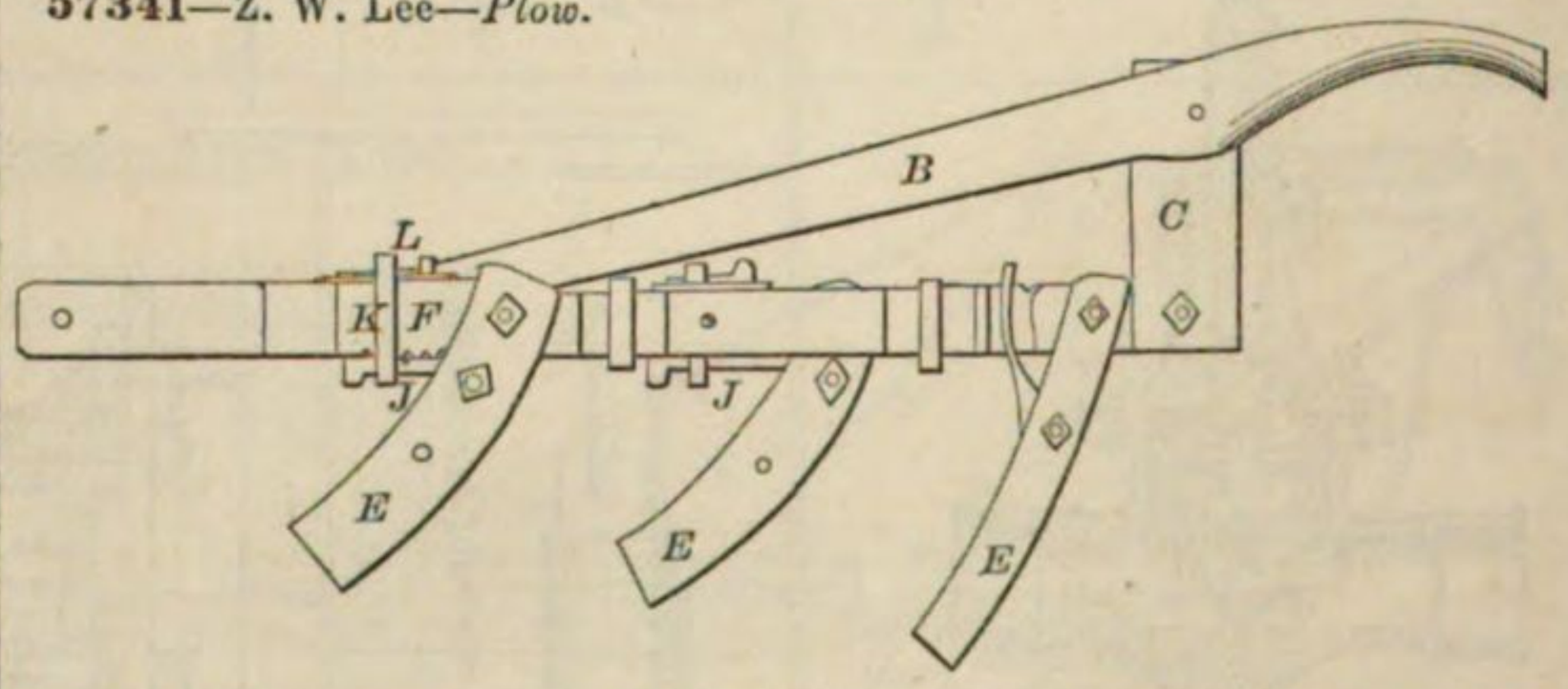
57338—E. B. Lake—*Bed Bug Trap.*



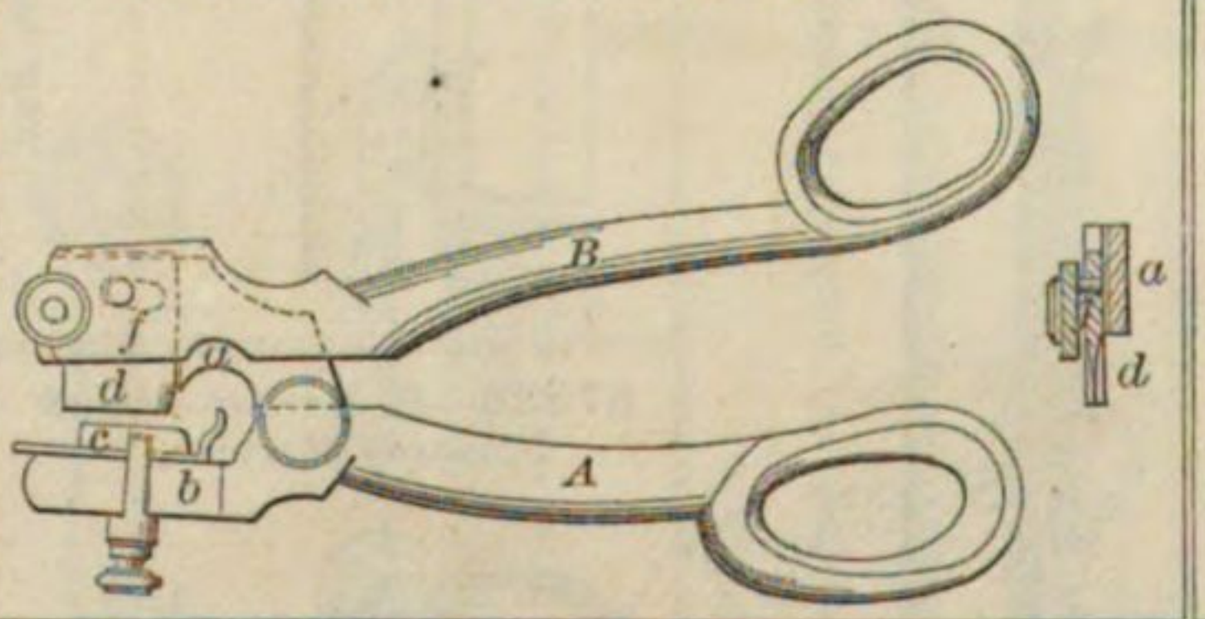
57340—M. M. Latta—*Fracture Bed.*



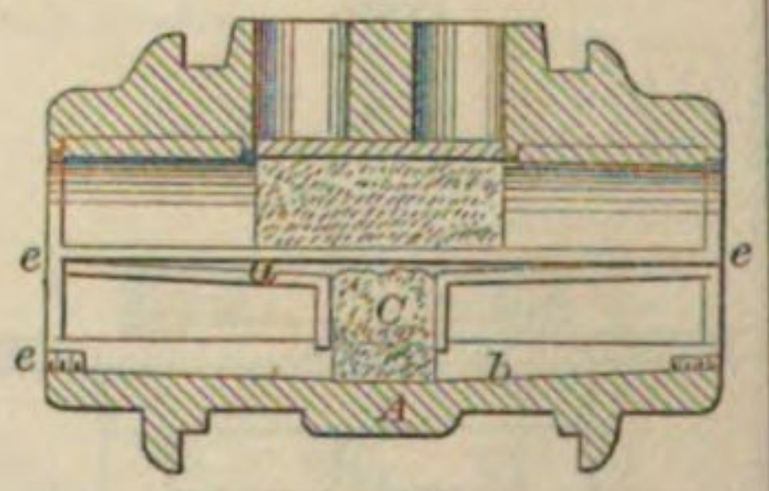
57341—Z. W. Lee—*Plow.*



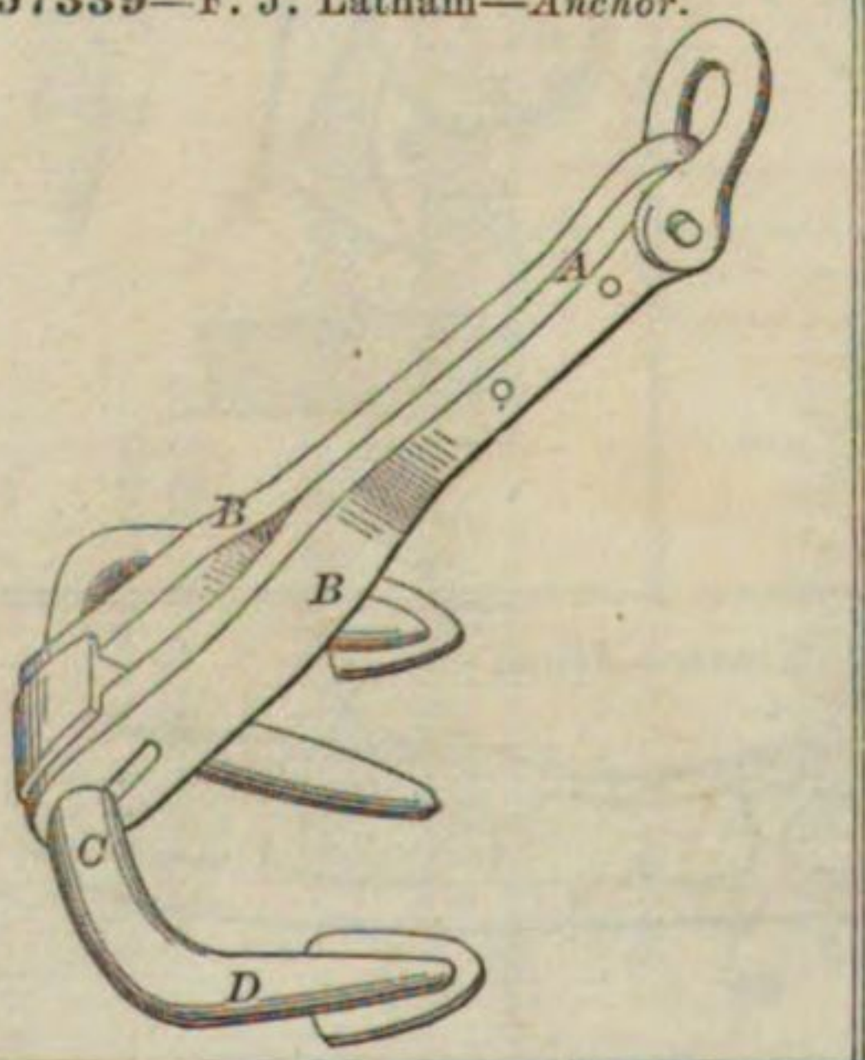
57342—W. Lieber—*Button Hole Cutter.*



57343—E. F. Leight—*Journal Box.*

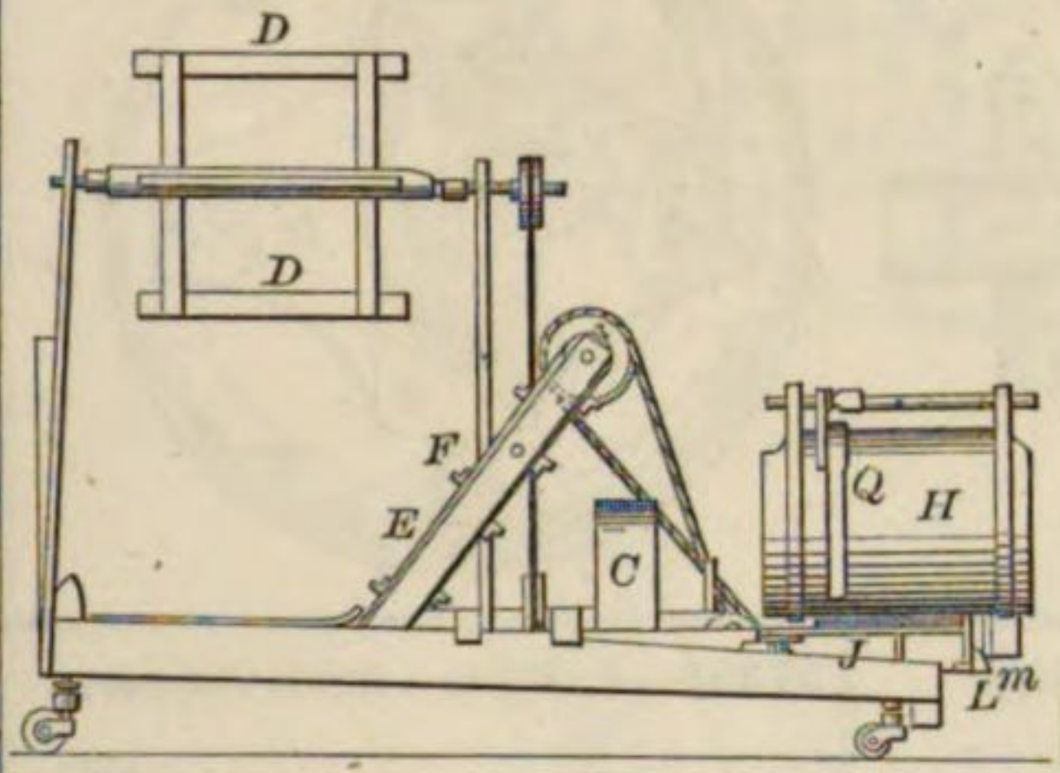


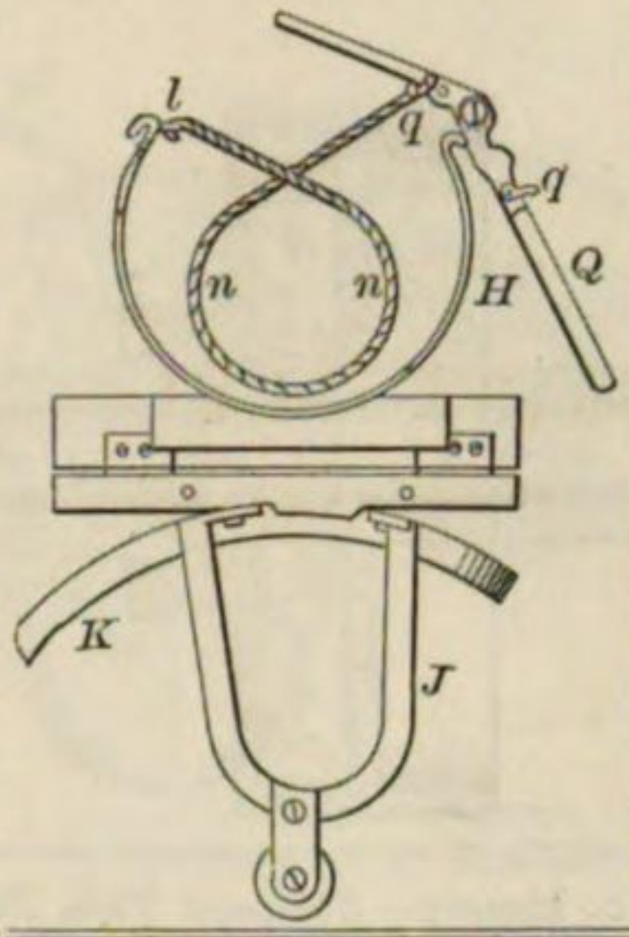
57339—F. J. Latham—*Anchor.*



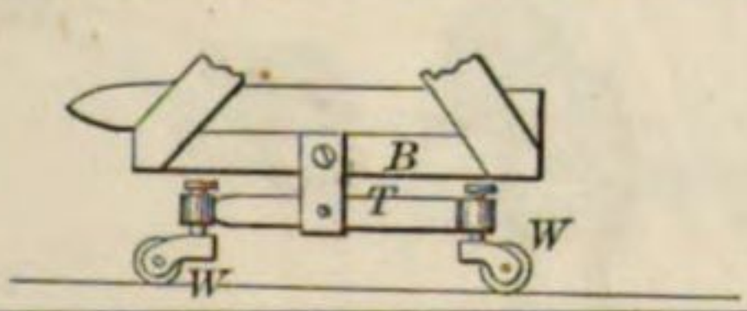
57344—N. P. Lindergreen—*Children's Sled.*

57345—R. B. Linthicum—*Corn Harvester.*

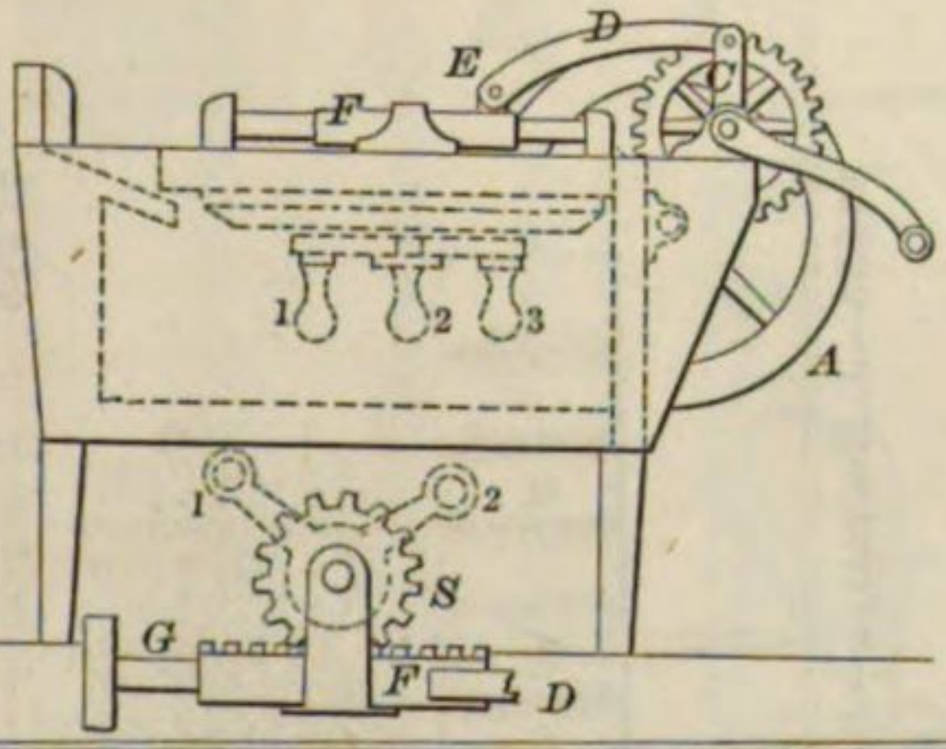




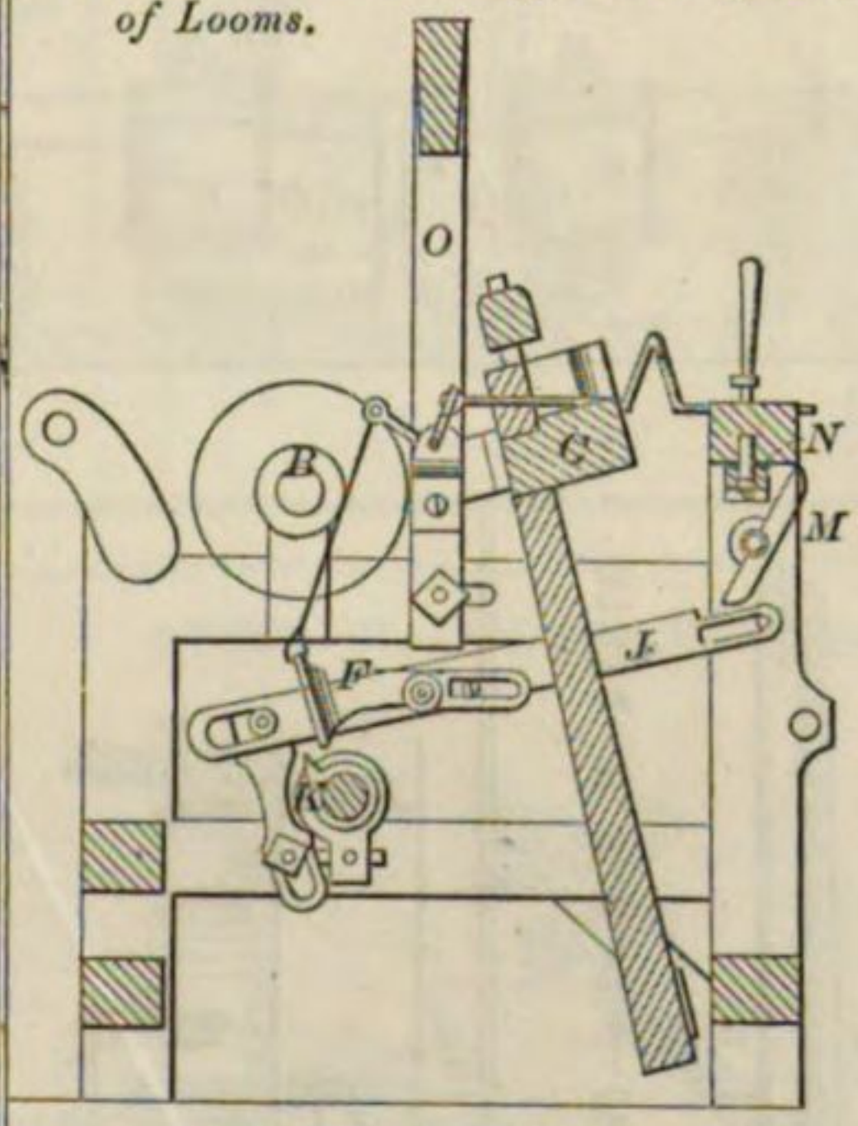
57346—W. Litzenberg—*Horse Shoe.*



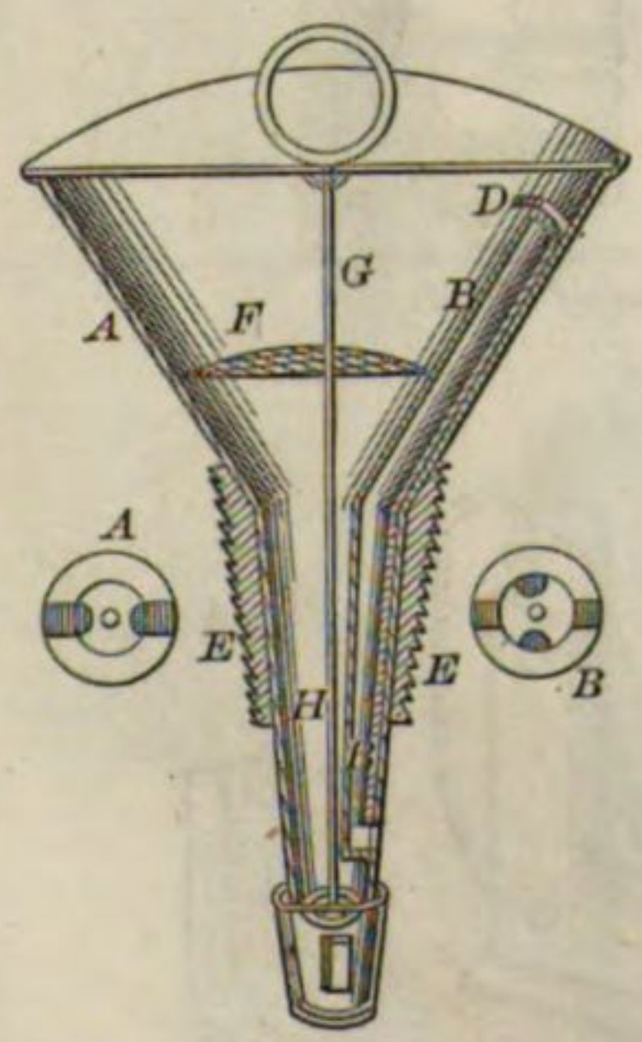
57348—J. R. Madison—*Washing Machine.*



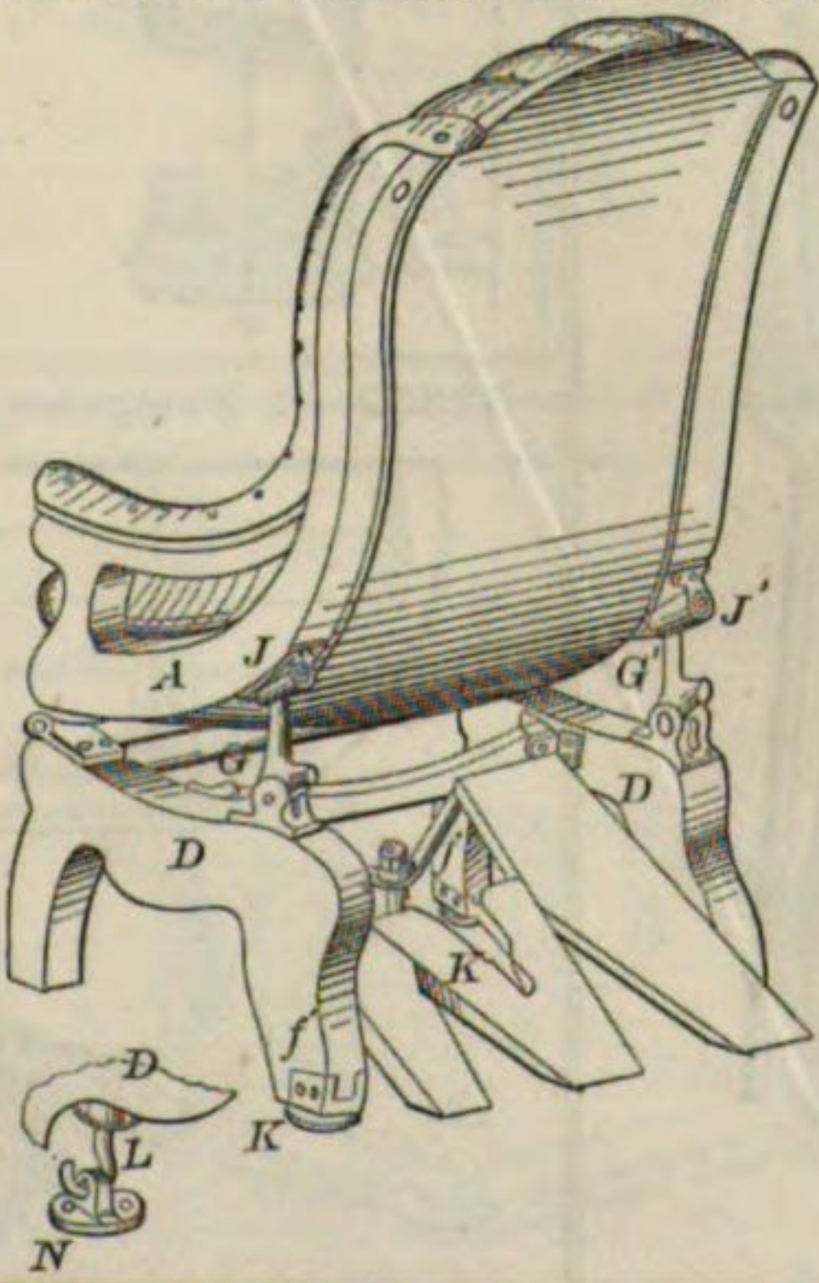
57350—A Marchington—*Stop Motion of Looms.*



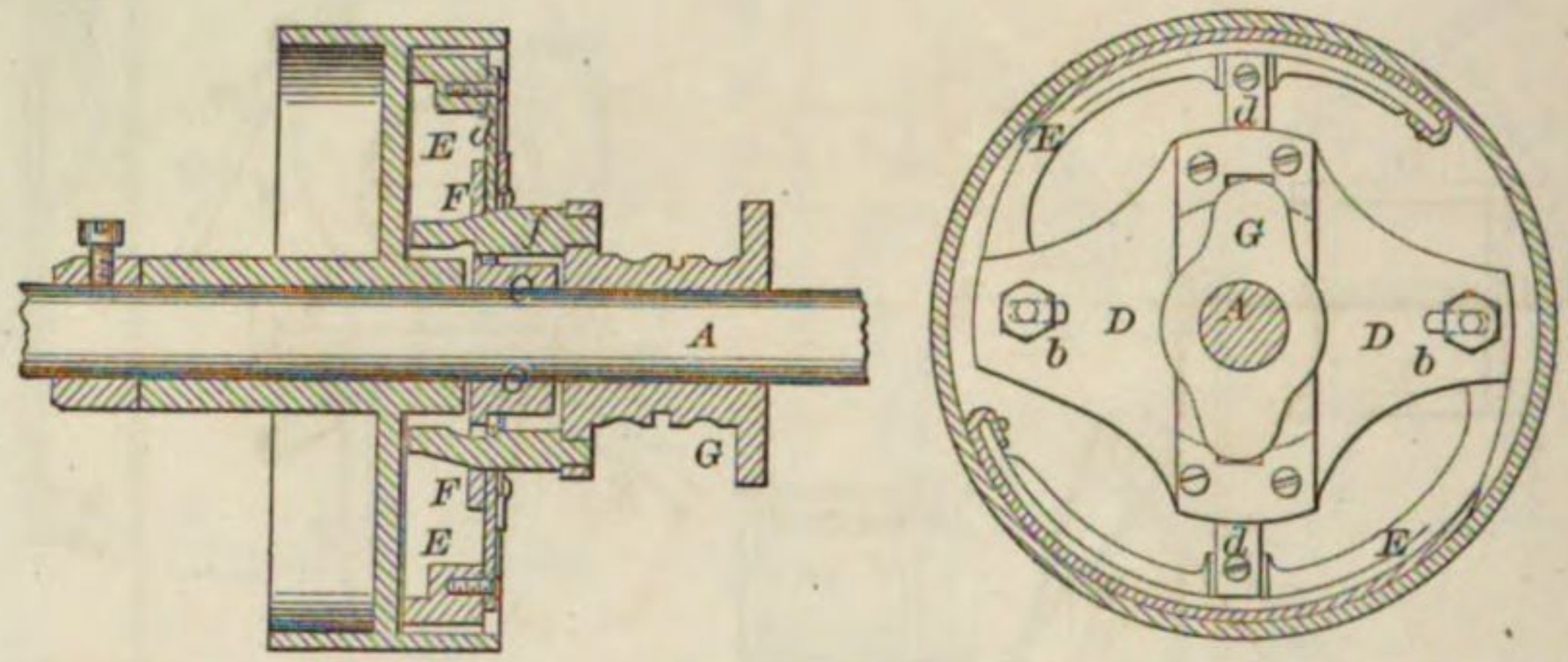
57347—C. L. Lochman—*Funnel.*



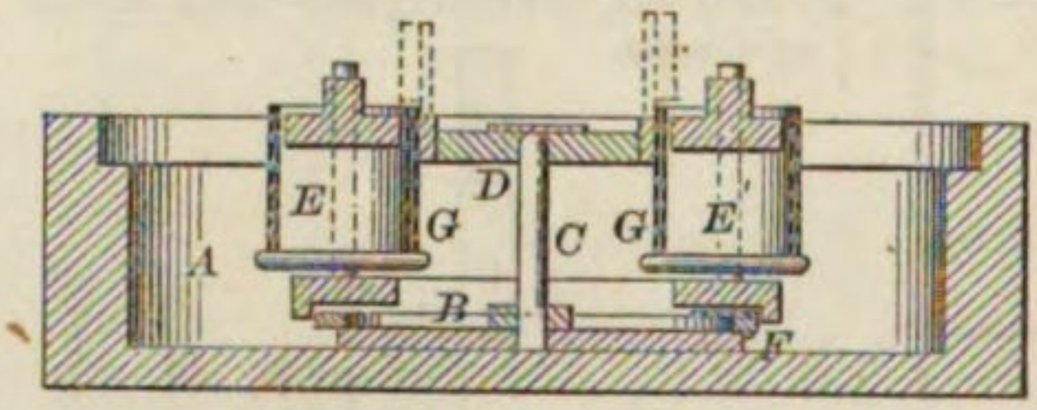
57351—M. M. & F. Martin—*Railroad Car Seat.*



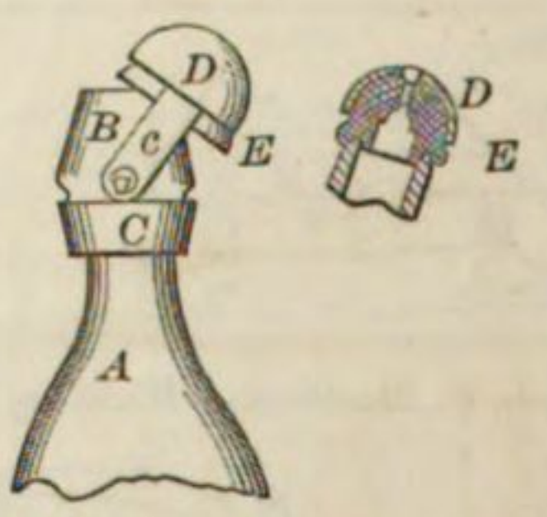
57352—L. G. Mason—*Friction Pulley.*



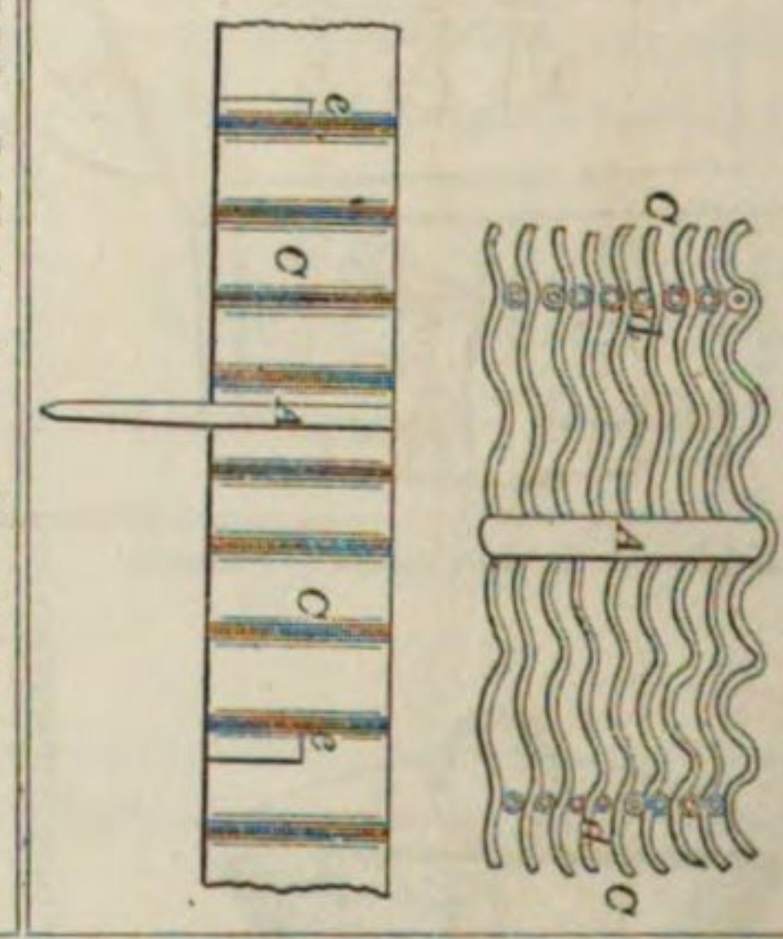
57353—G. B. Massey—*Railroad Turn Table.*



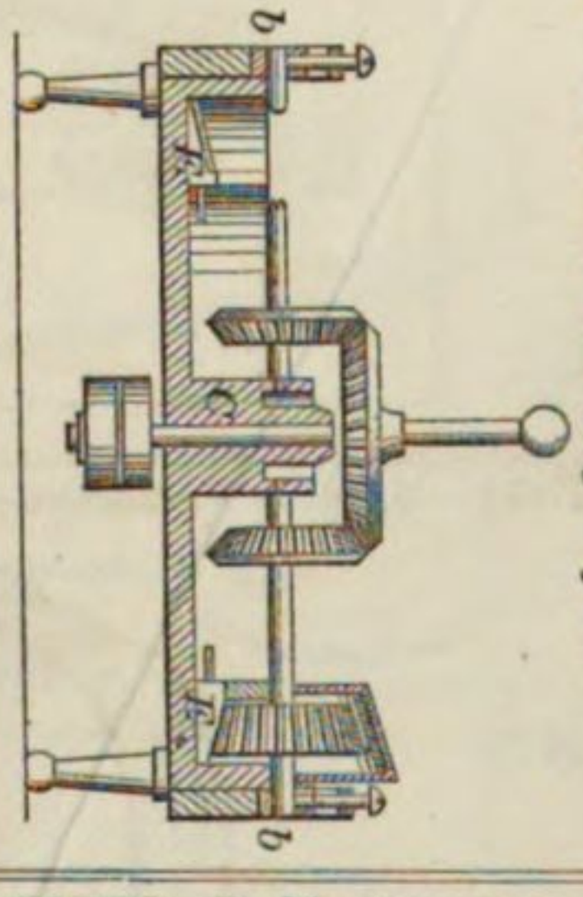
57356—F. Miller—*Bottle Stopper.*



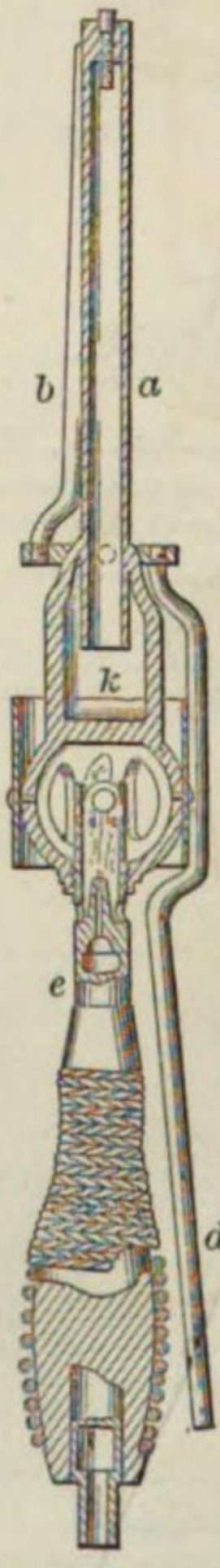
57358—R. Montgomery—*Crate Bar.*



57355—J. McCracken—*Rag Engine.*



57354—H. S. Maxim—*Curling Iron.*



57359—R. Montgomery—*Construction of Ships.*

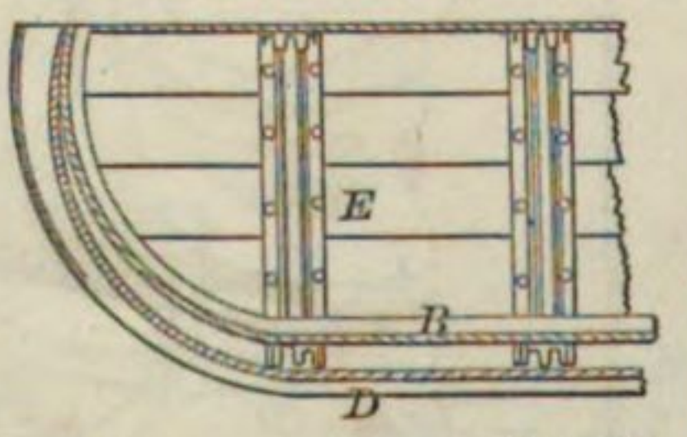


Fig. 3

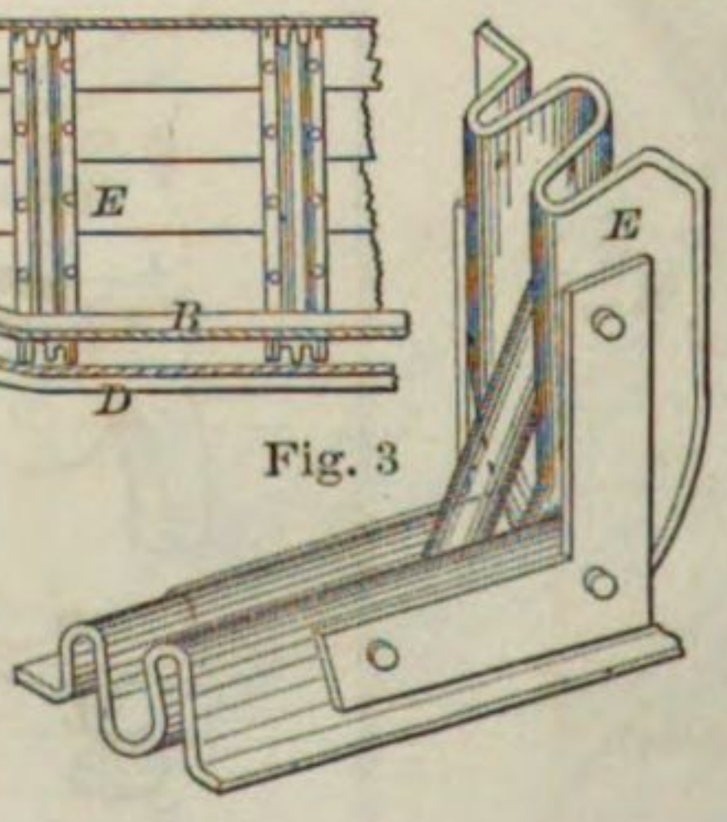
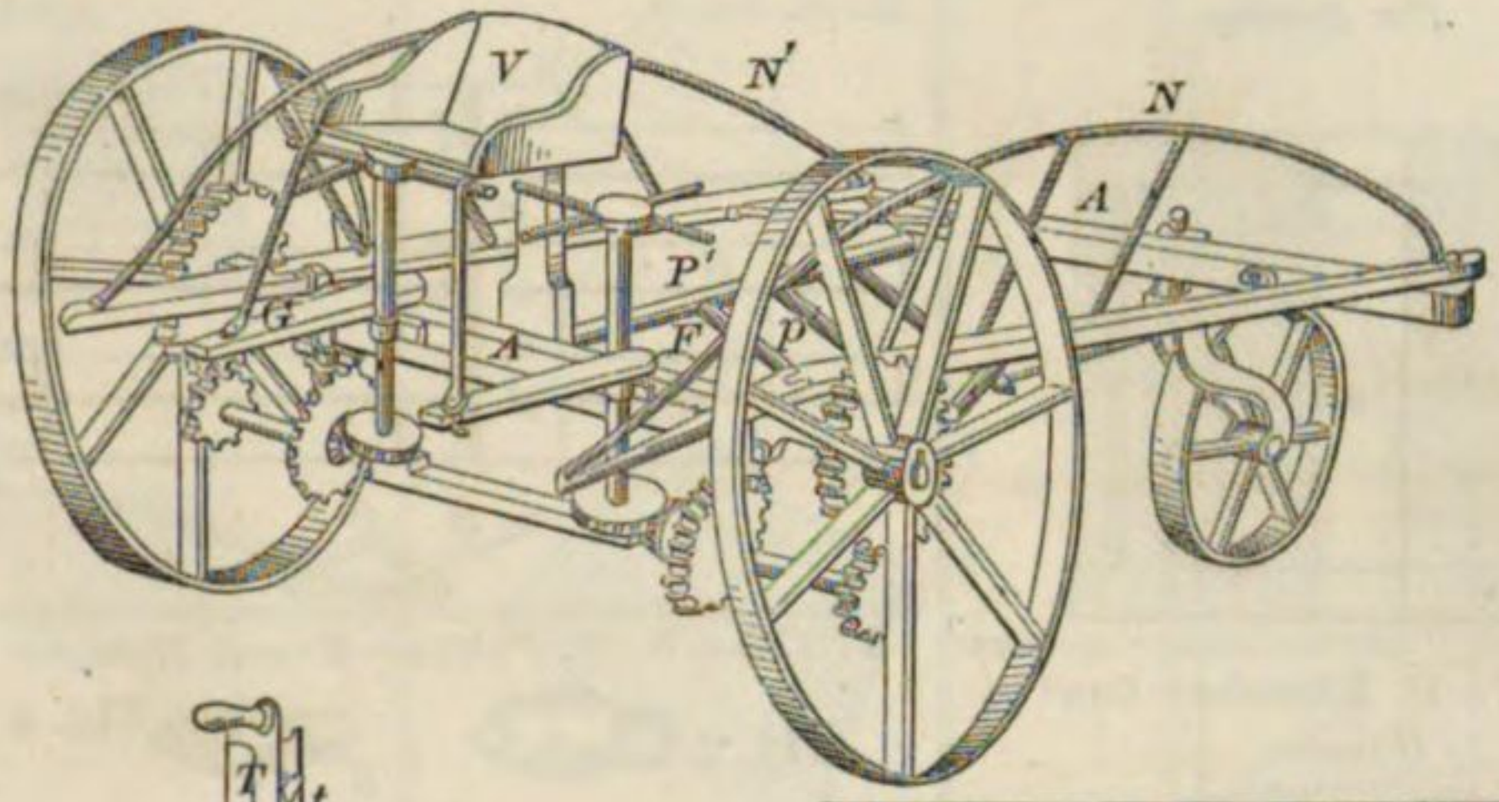
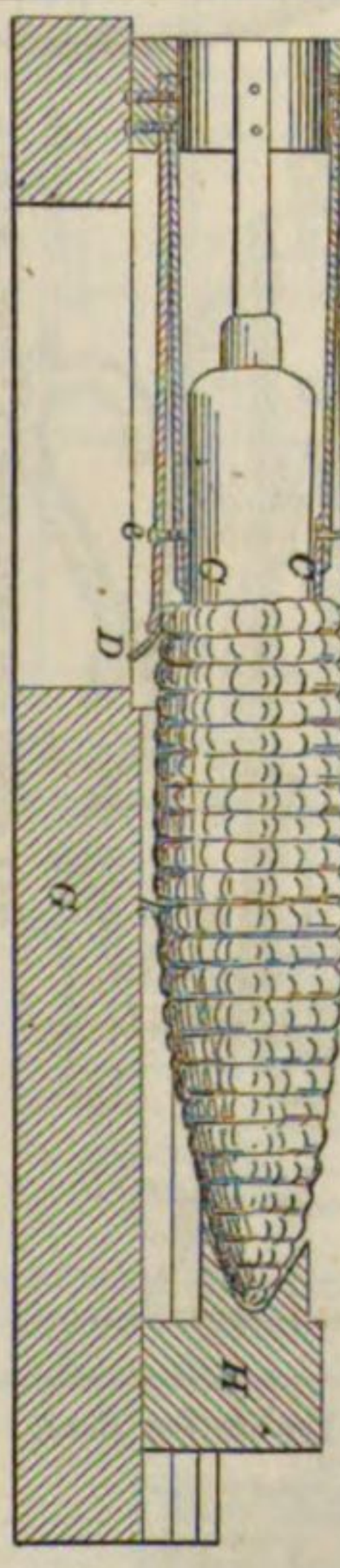


Fig. 4

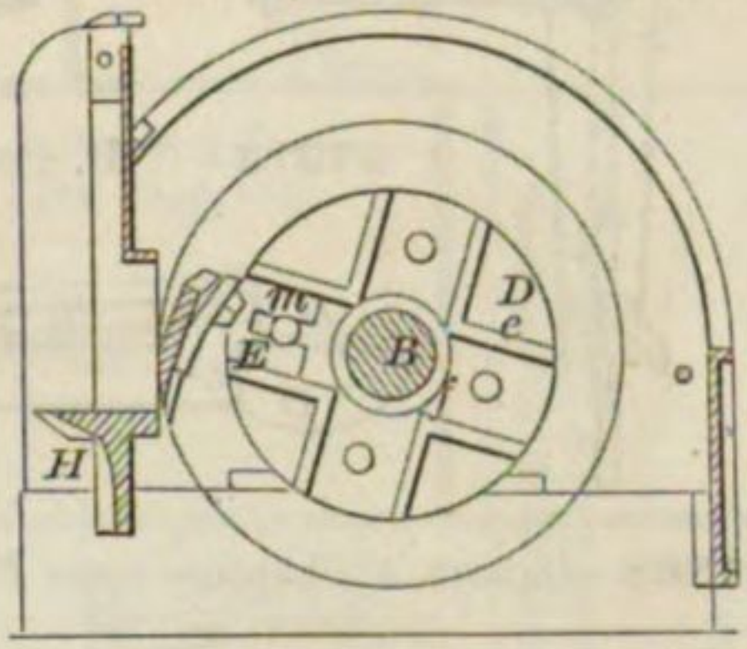
57360—C. G. Moreman—*Corn Harvester.*



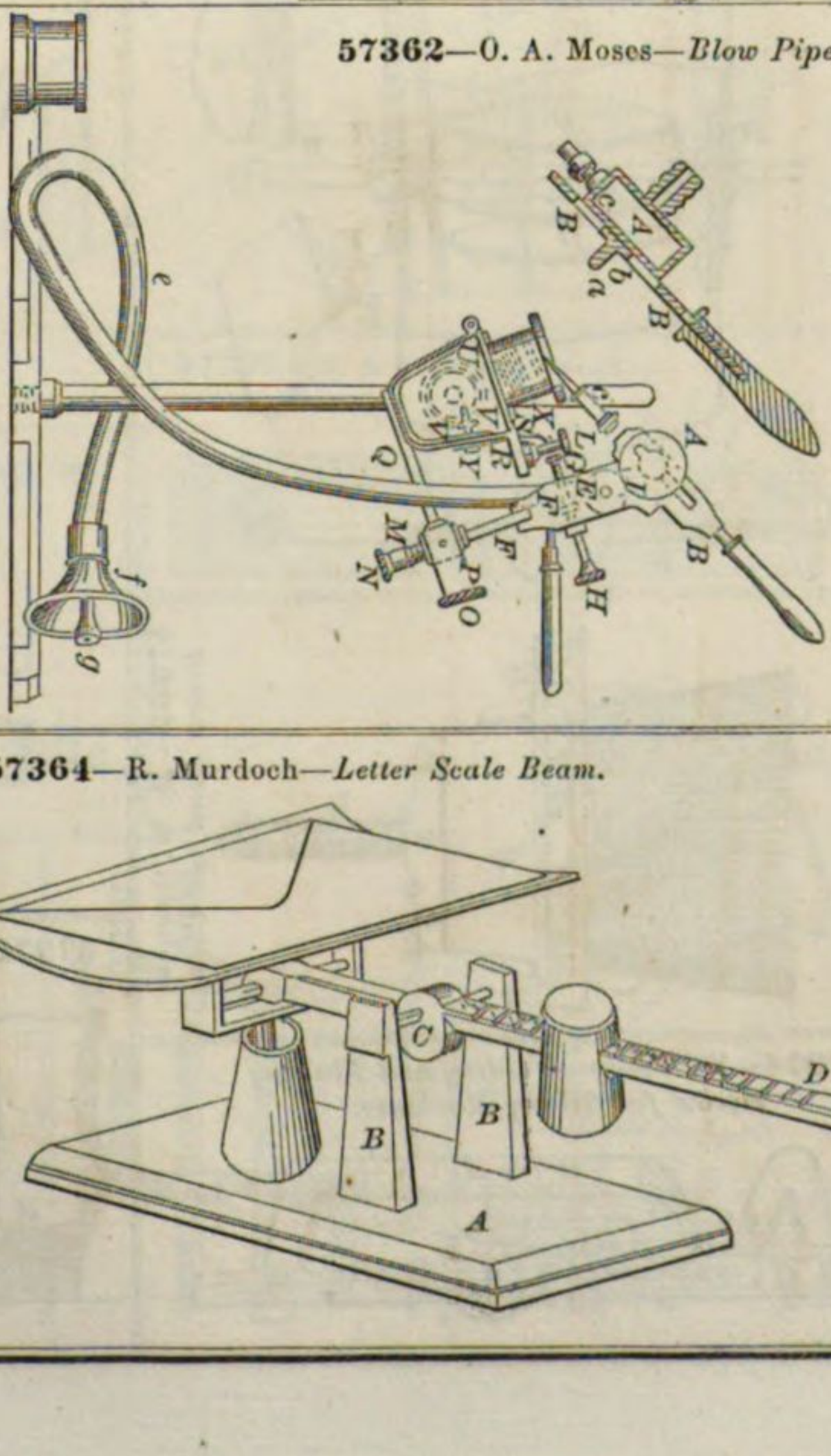
57361—F. A. Morley—*For Cutting Corn from the Cob.*



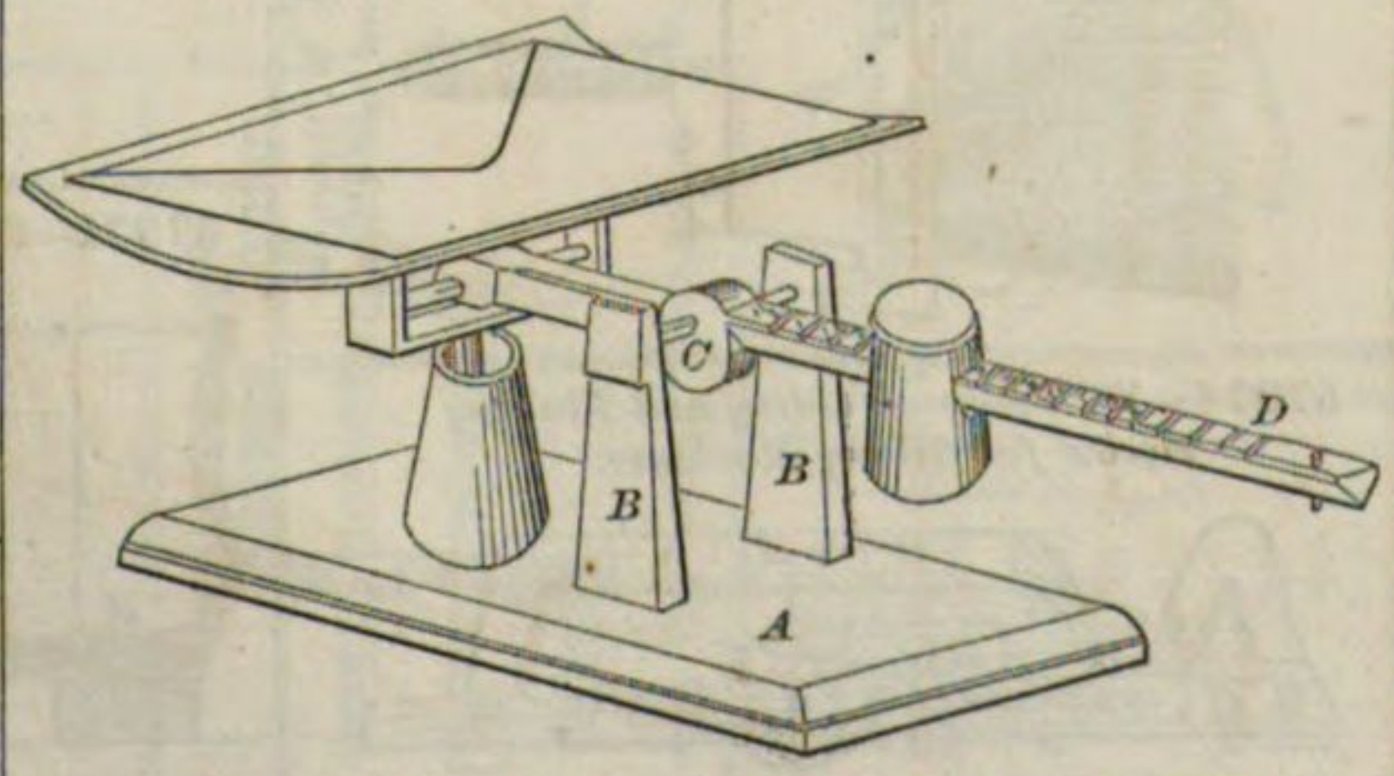
57363—J. H. Mumma—*Straw Cutter.*



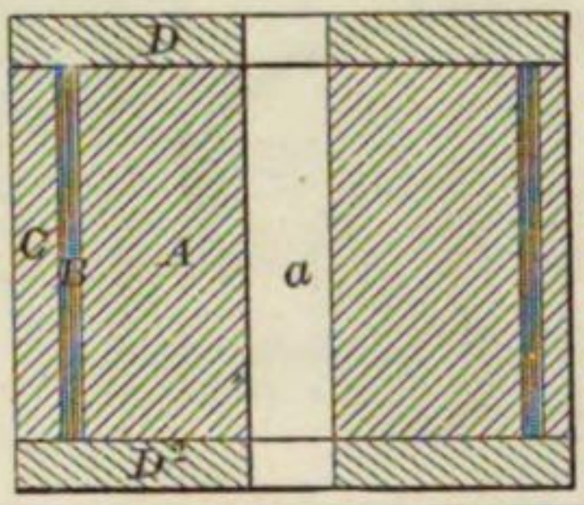
57362—O. A. Moses—*Blow Pipe.*



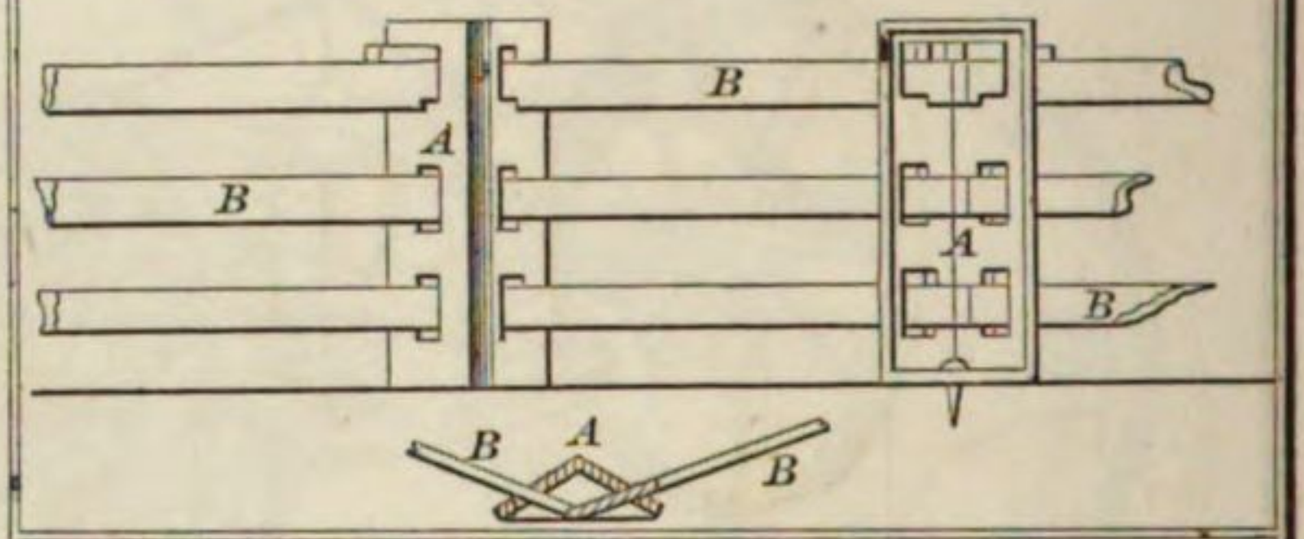
57364—R. Murdoch—*Letter Scale Beam.*



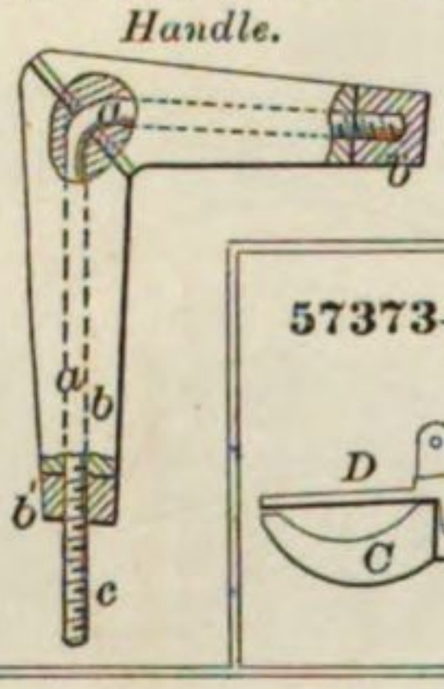
57365—J. Murphy—*Railroad Car Spring.*



57366—W. Neely—*Fence.*



57367—H. Nitzsche—*Cane Handle.*

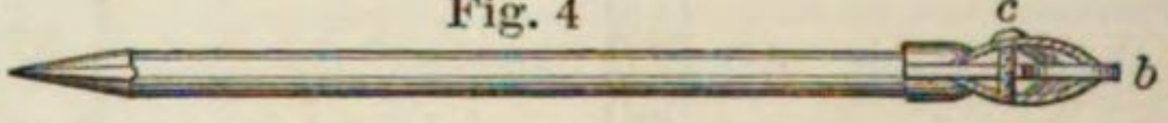


57370—W. P. Patton—*Eraser Holder.*

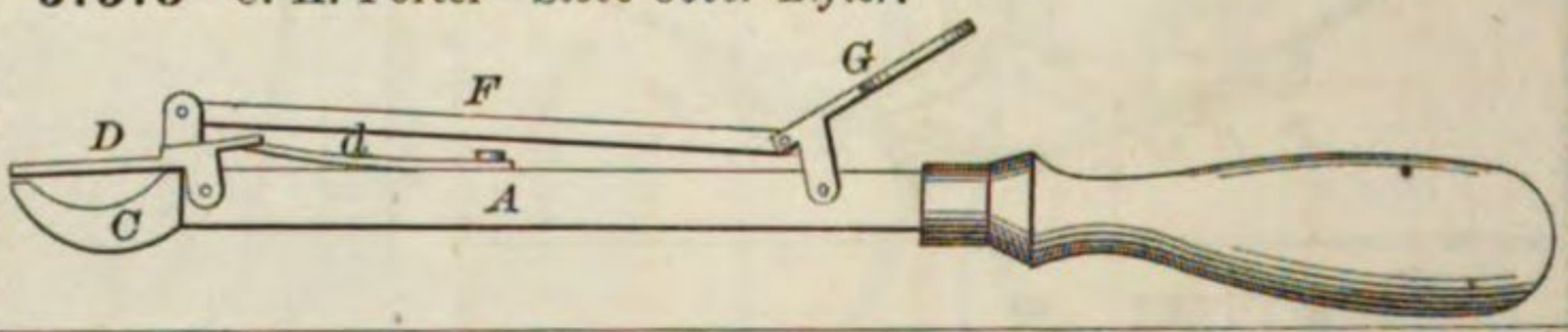
Fig. 2

Fig. 5

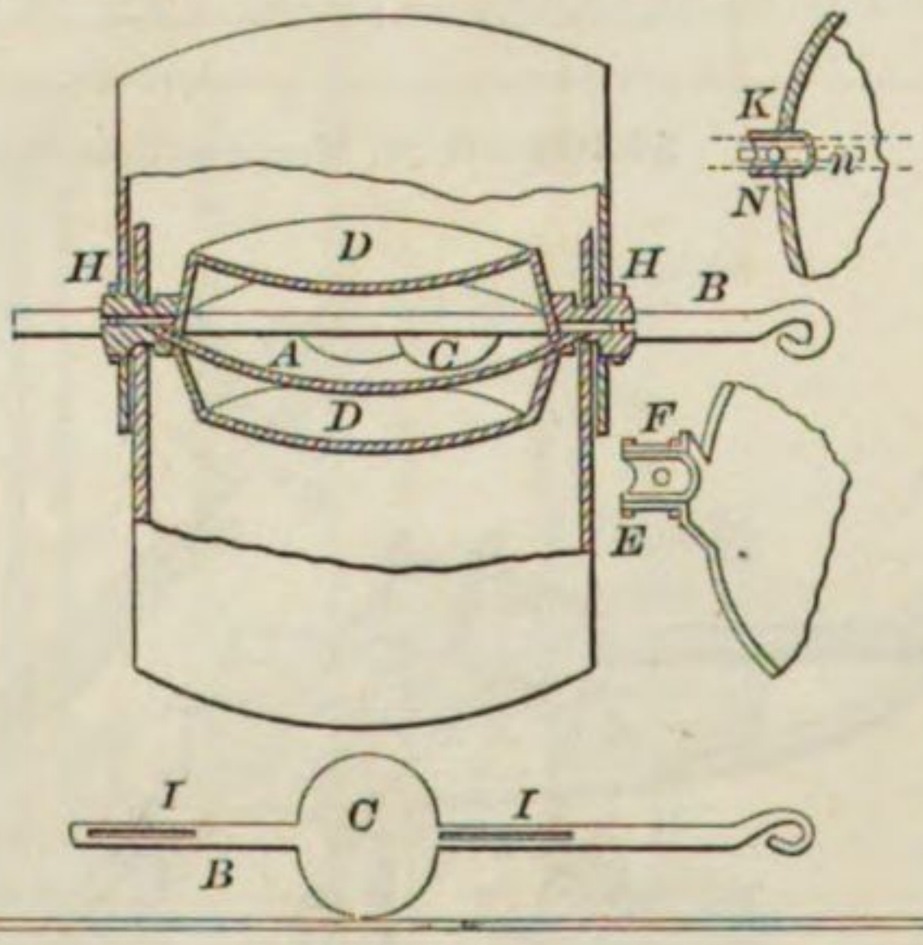
Fig. 4



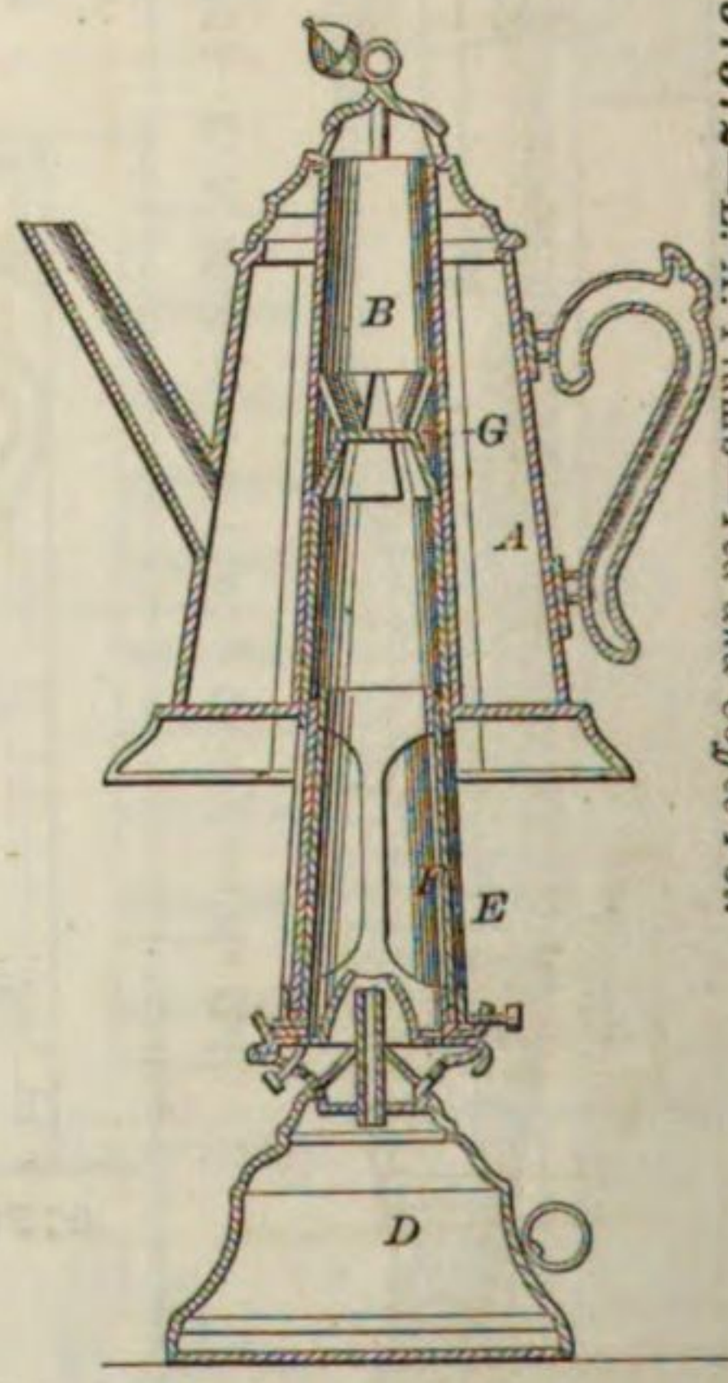
57373—C. H. Porter—*Stove Cover Lifter.*



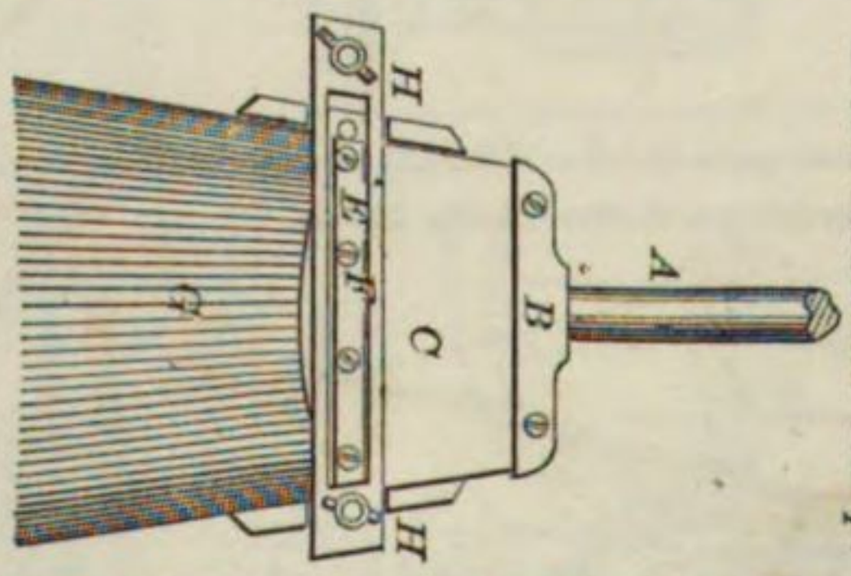
57368—Ogborn & Chapin—*Stove Pipe Damper.*



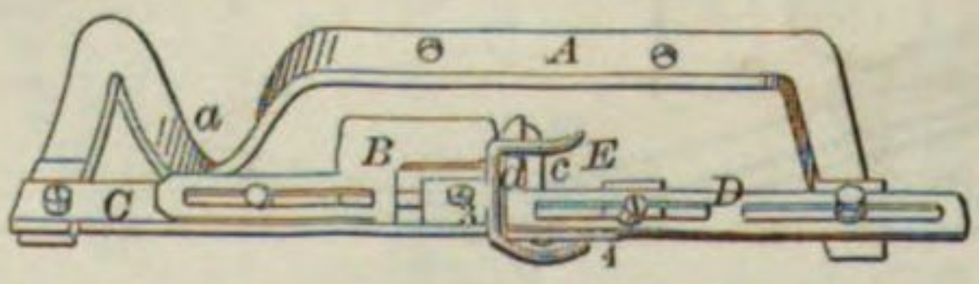
57372—L. A. Plumb—*Tea and Coffee Pot.*



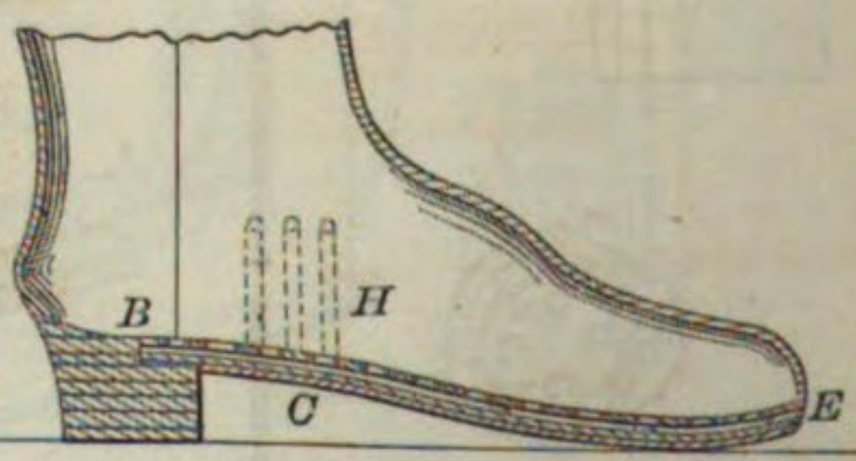
57369—M. W. Owens—*Broom Head and Clamp.*



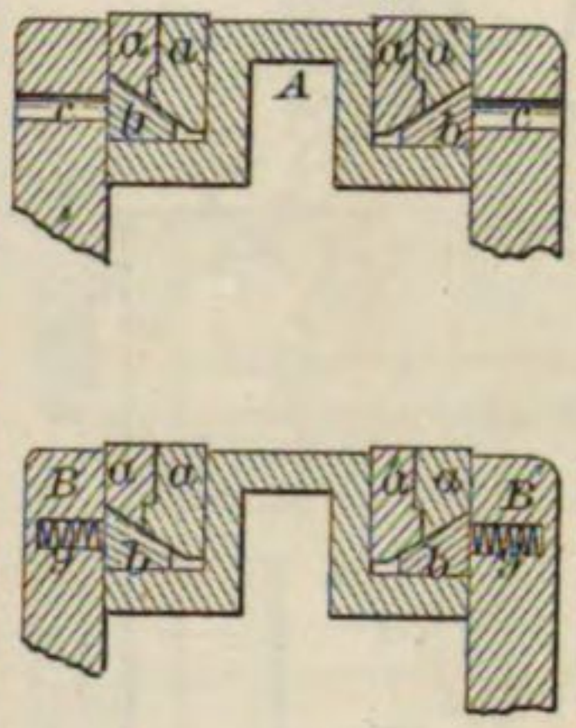
57374—W. Preiss—*Folding and Plaiting Device for Sewing Machines.*



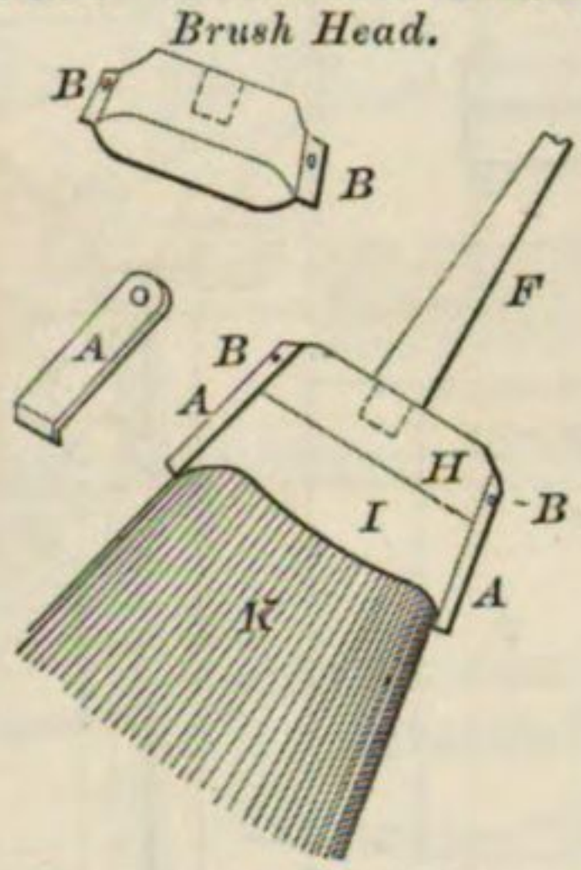
57371—S. Perry—*Ventilating Boot.*



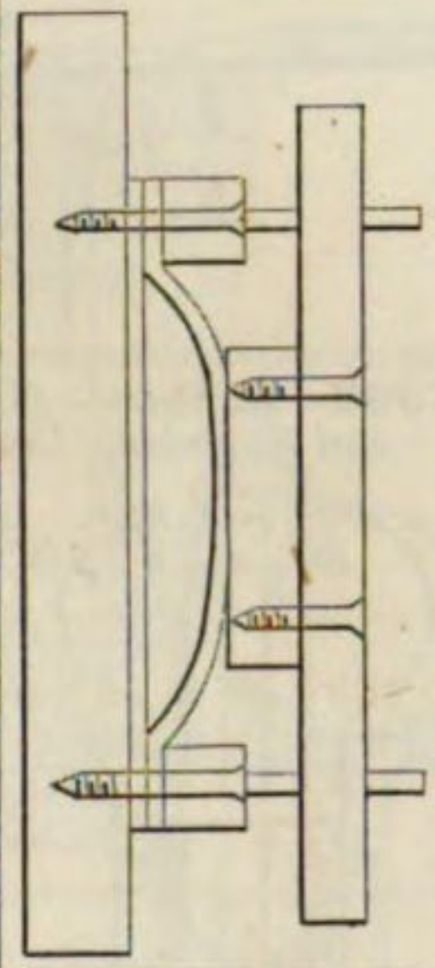
57375—E. T. Prindle—*Piston Packing.*



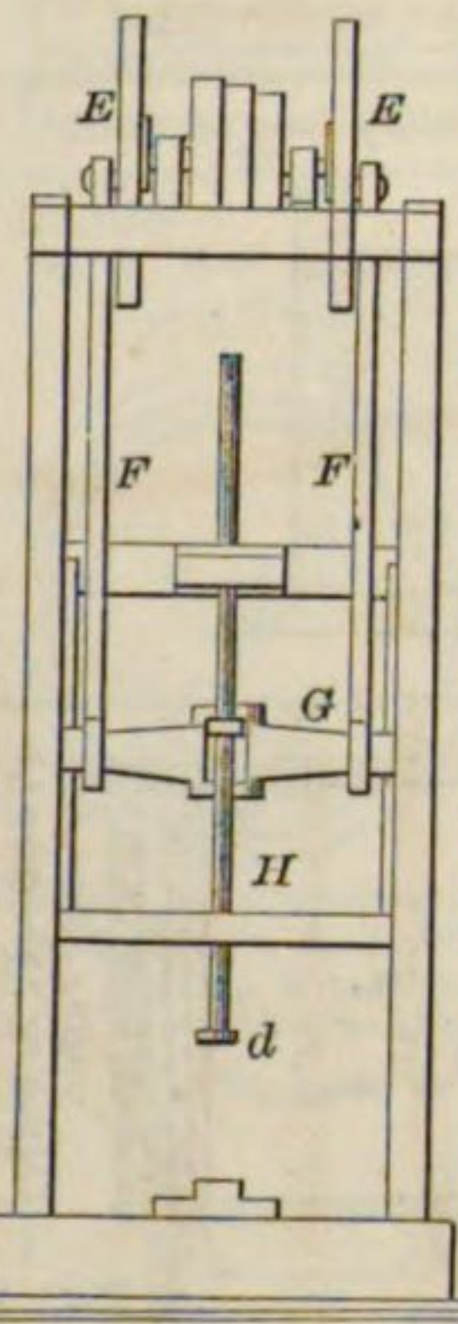
57378—G. T. Reed—*Broom and Brush Head.*



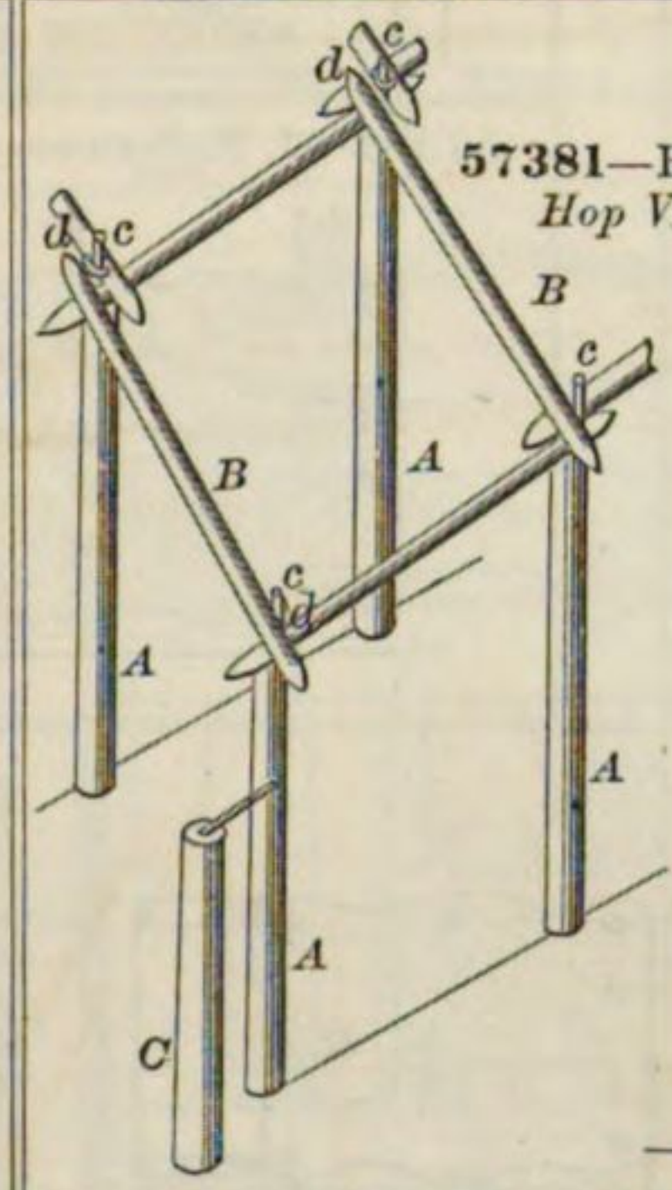
57377—S. G. Randall—*Elastic Spring.*

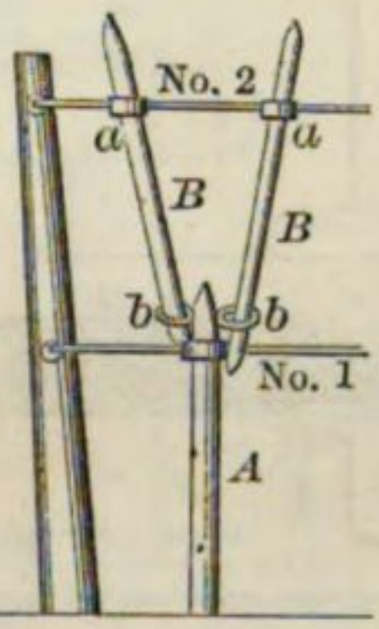


57380—T. C. Robbins—*Gold Beating Apparatus.*

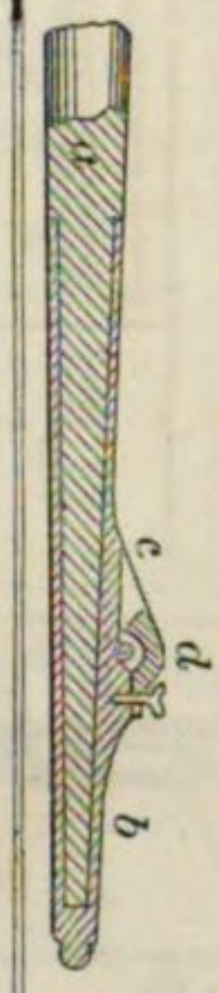


57381—Roberts & Badger—*Hop Vine Supporter.*

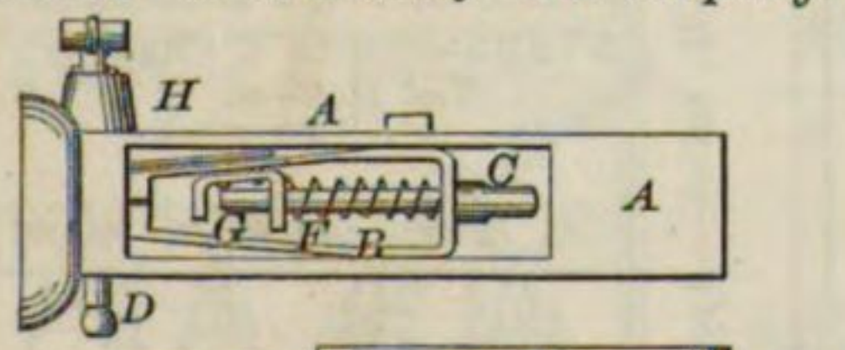




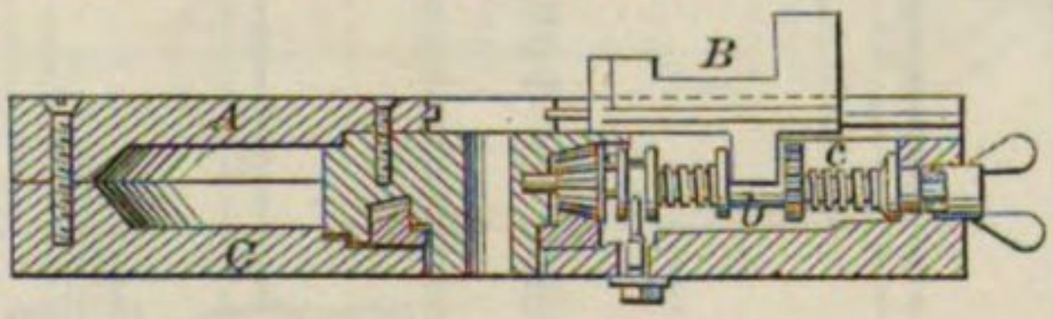
57379—U. Reynolds—*Pole Iron Socket for Carriages.*

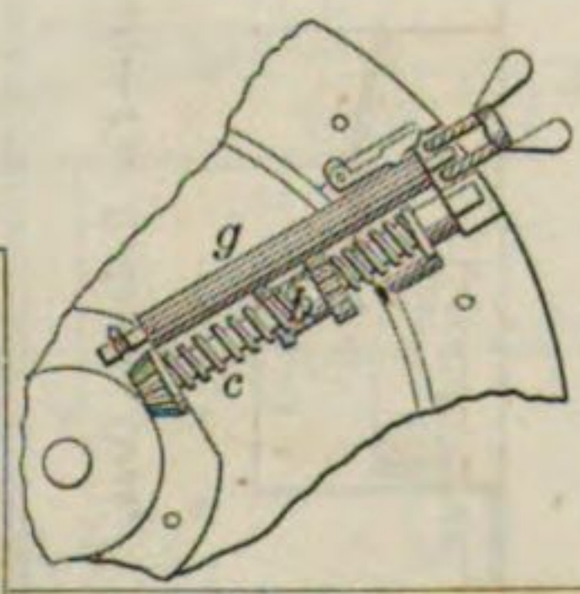


57385—J. B. Rumsey—*Car Coupling.*

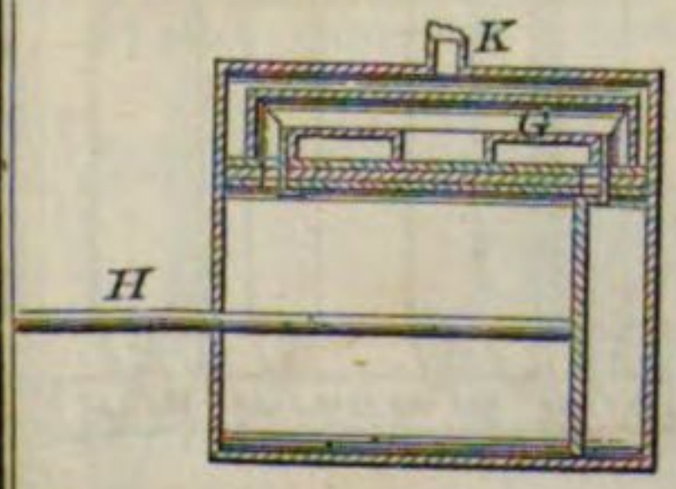


57383—R. & T. Ross—*Chuck.*

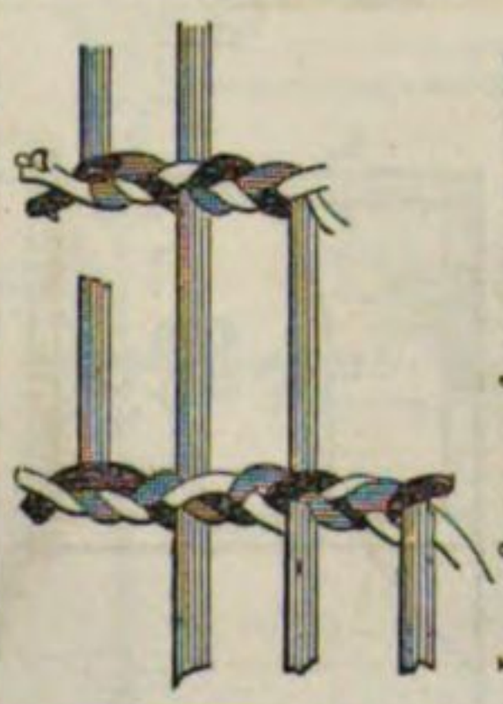




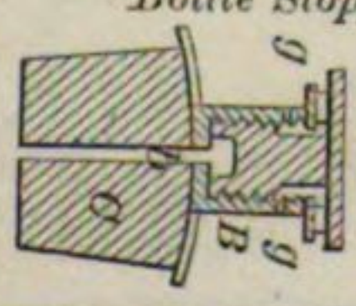
57386—Sangster & Ware—*Steam Engine Valve.*



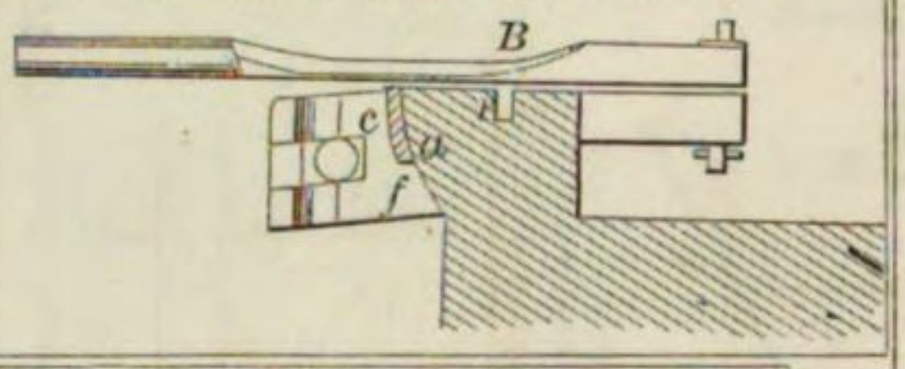
57384—T. Royer—*Fly Flap*



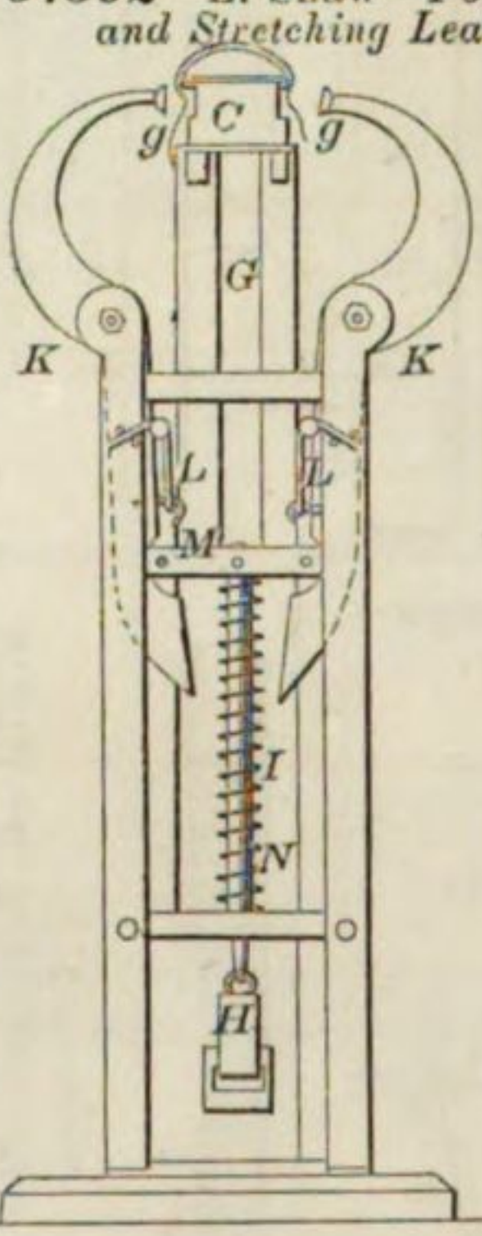
57382—G. W. Rogers—*Bottle Stopper.*



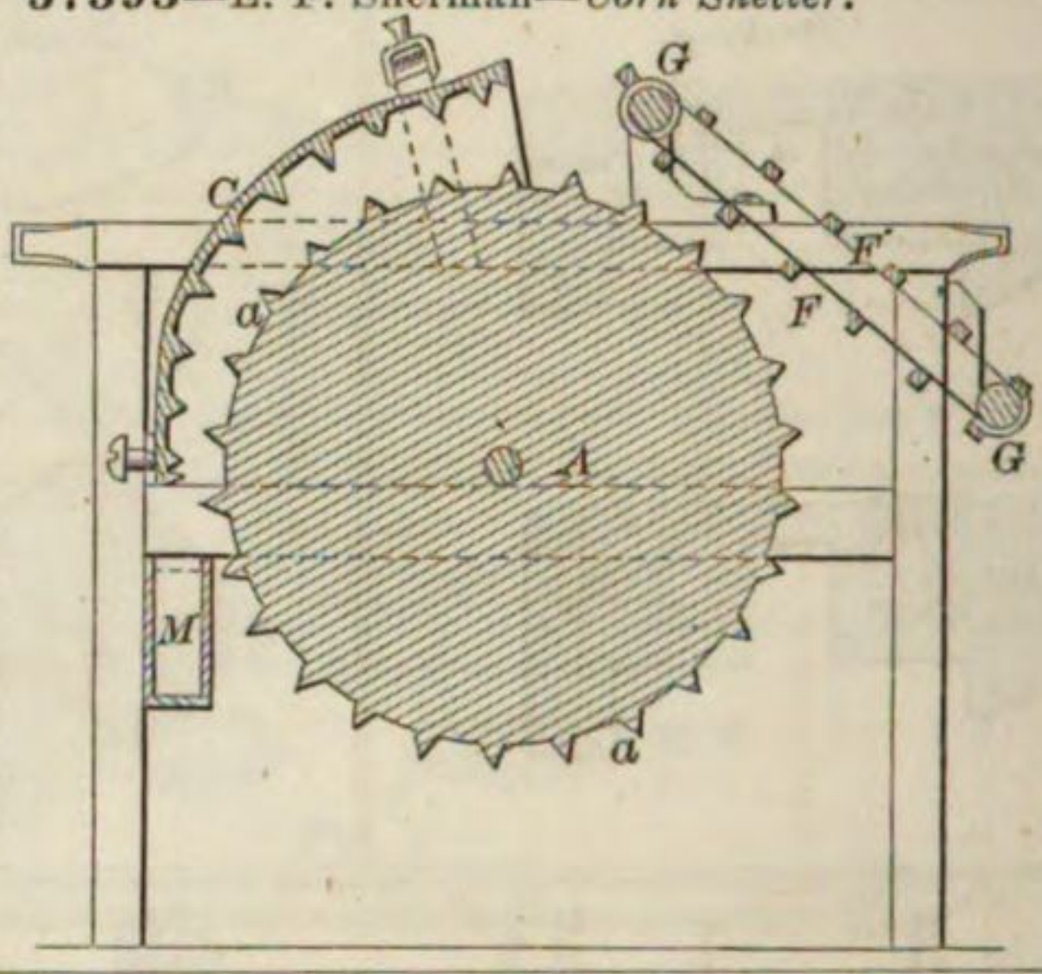
57387—J. F. Sayer—*Stave Jointer.*



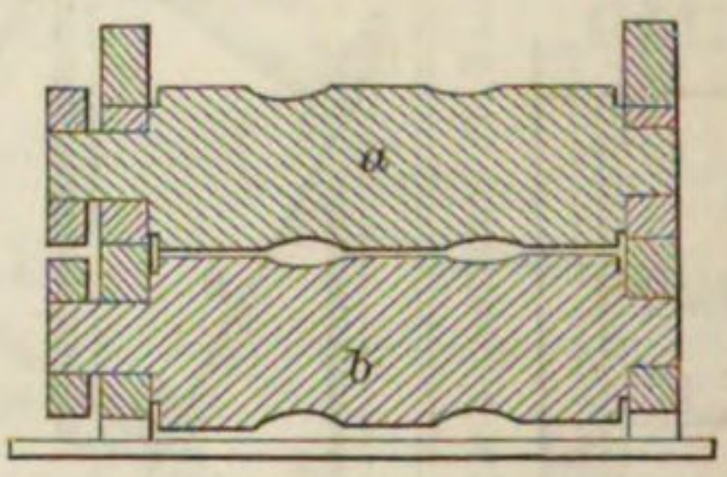
57392—E. Shaw—*For Clamping and Stretching Leather.*



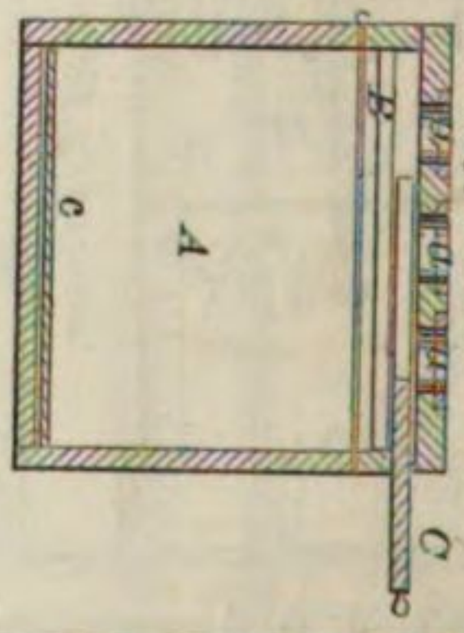
57393—E. F. Sherman—*Corn Sheller.*



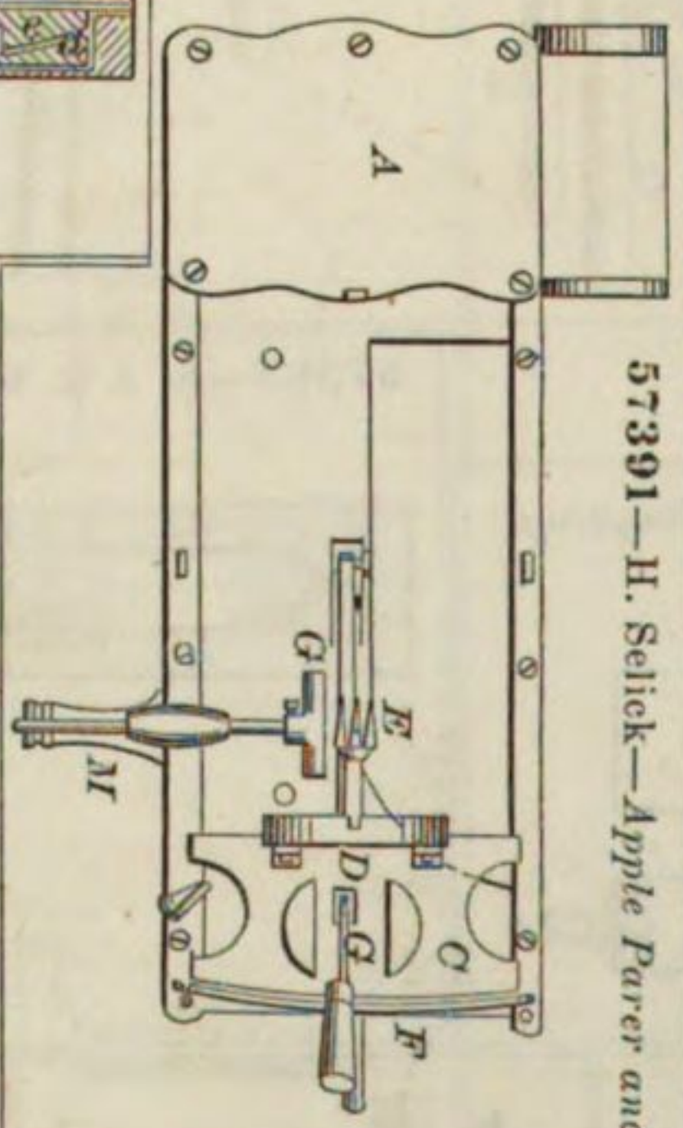
57388—J. S. Seaman—*Rolling Iron or Steel.*



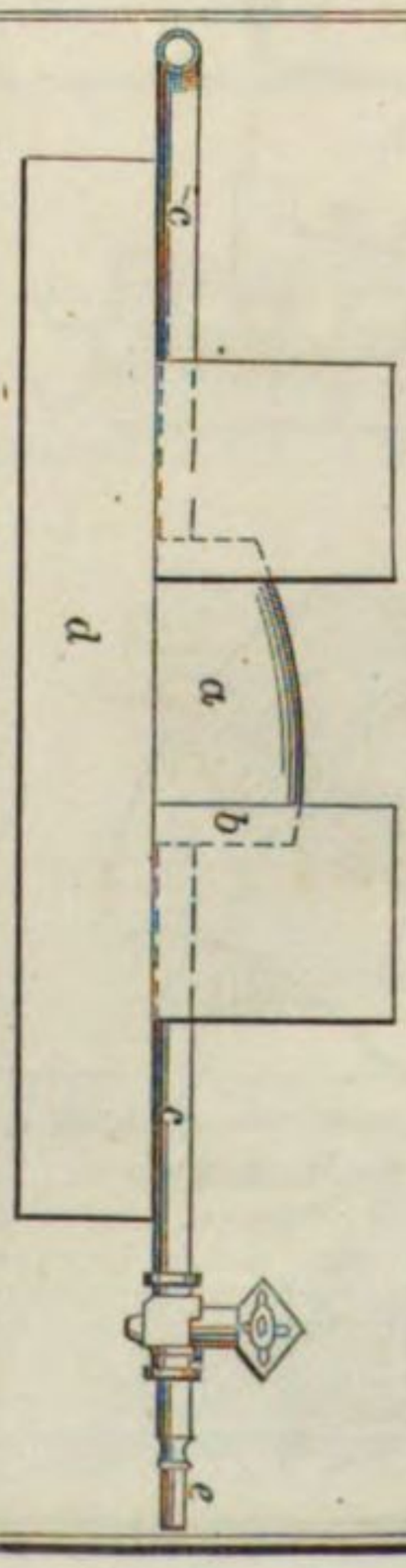
57389—F. B. Seeley—*Egg Tester.*



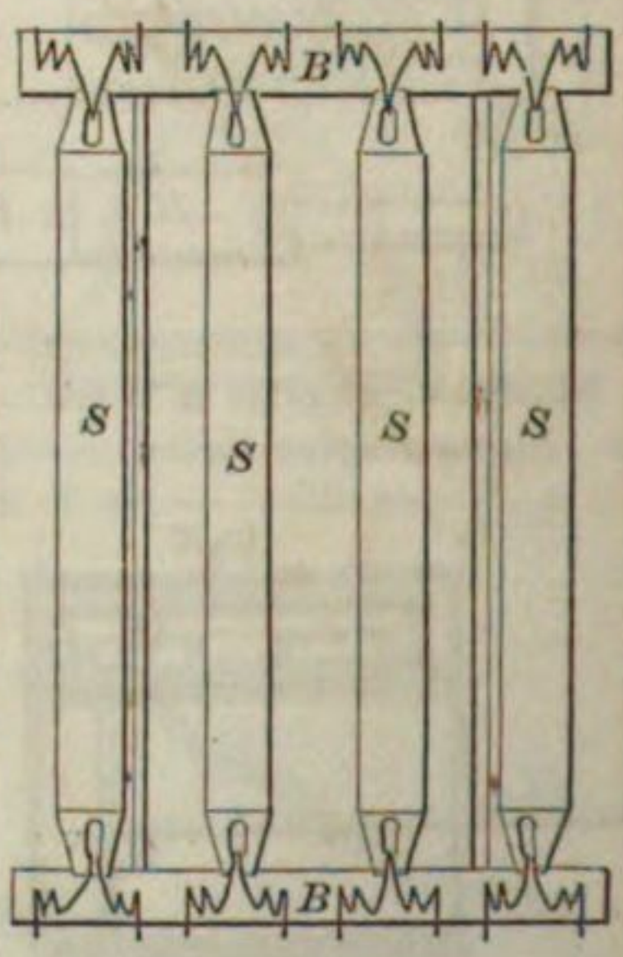
57391—H. Selick—*Apple Parer and Corer.*



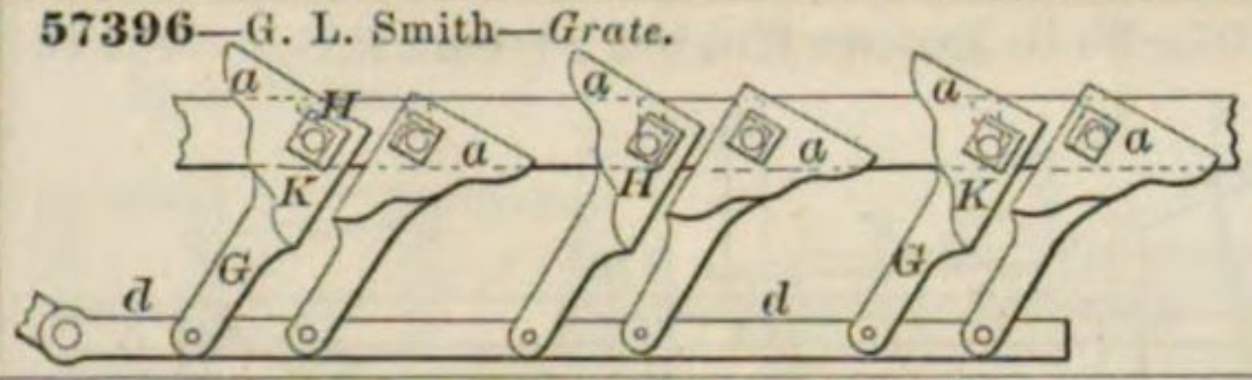
57394—G. B. Simpson—*For Reducing Ores.*



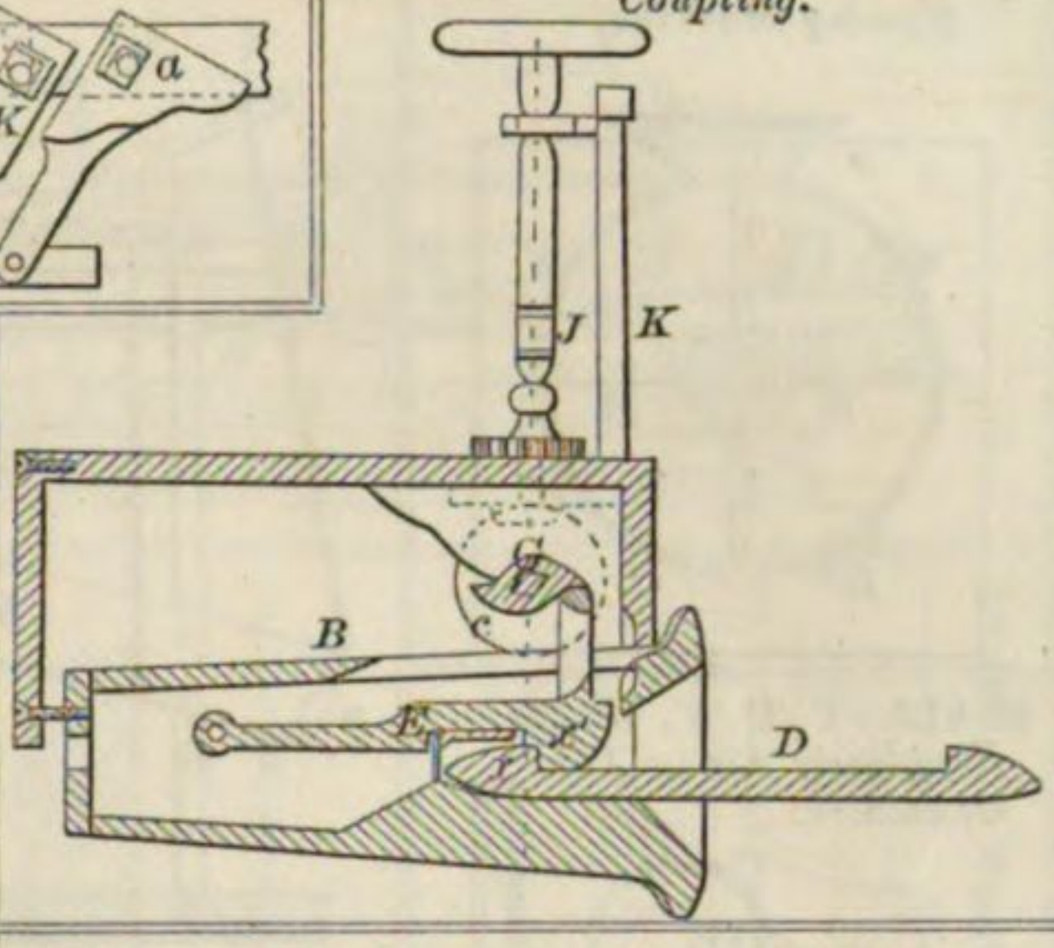
57395—Smith & Chase—*Bed Bottom.*



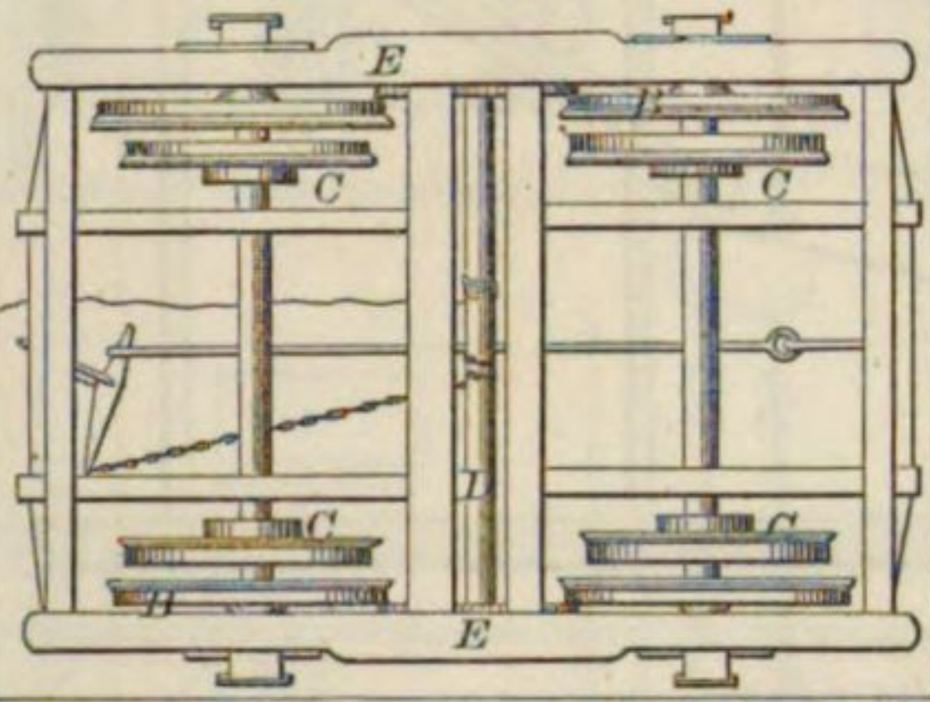
57396—G. L. Smith—*Grate.*



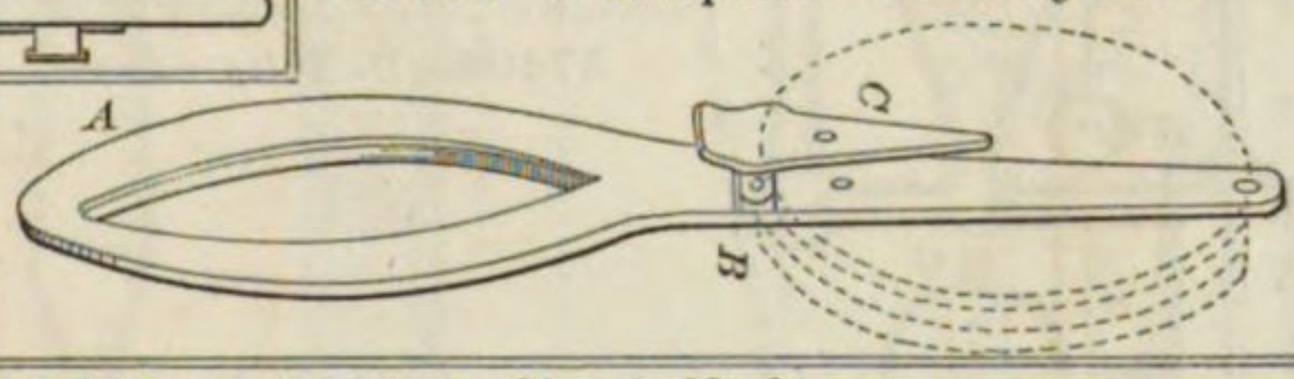
57397—D. B. Snyder—*Car Coupling.*



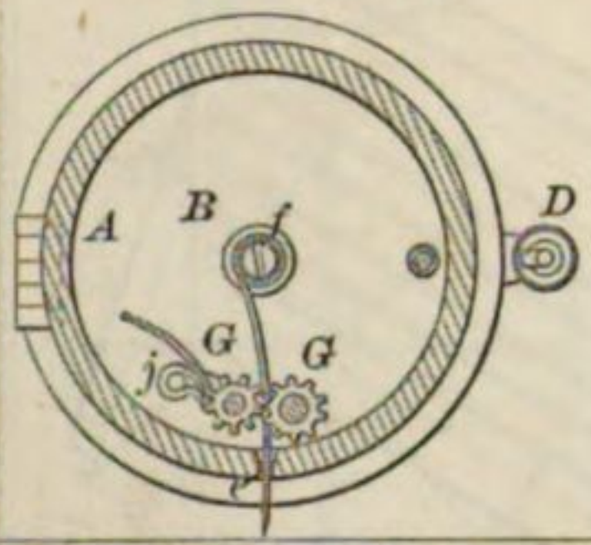
57404—E. Stiles—*Safety Car Truck.*



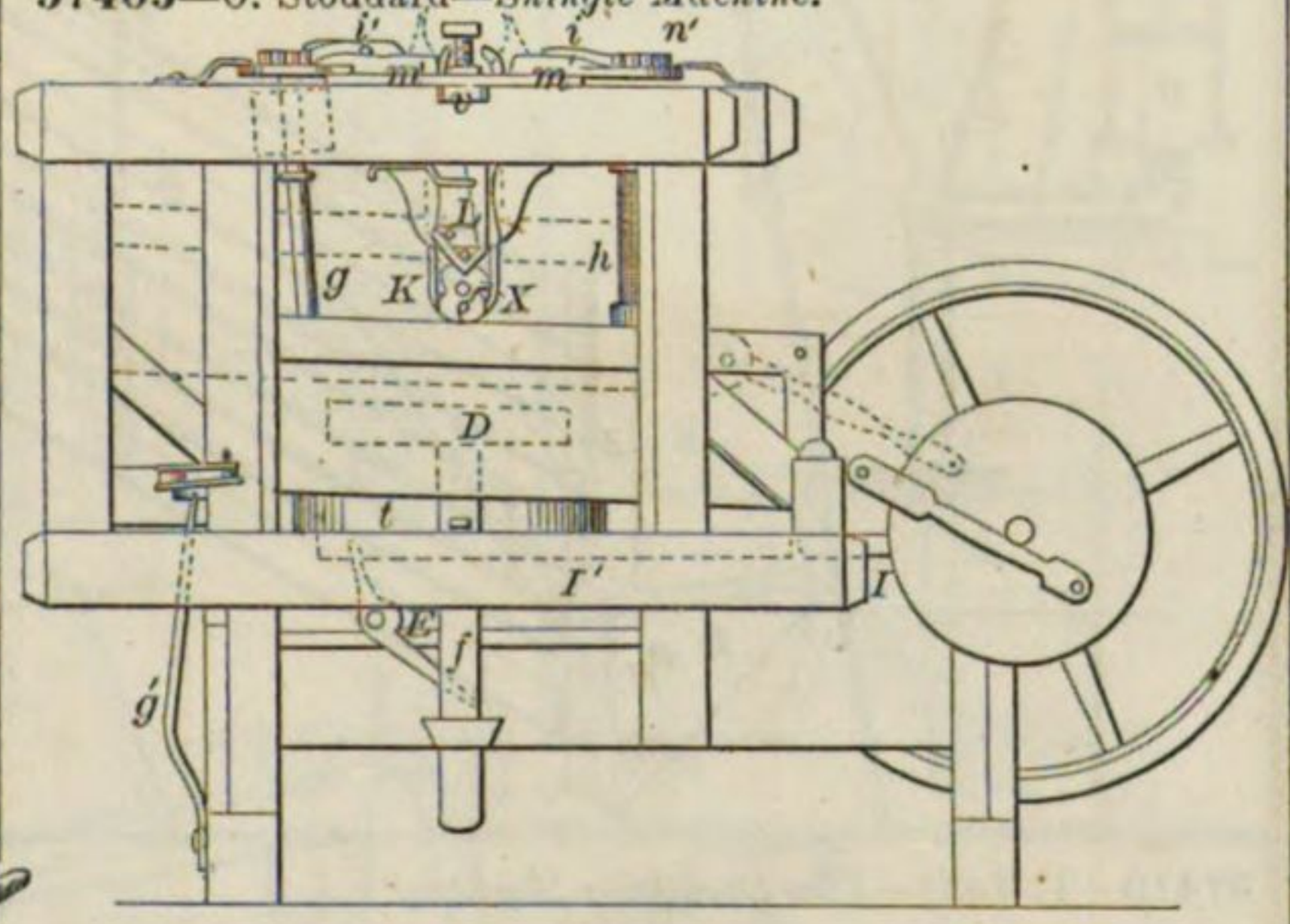
57401—T. H. Spencer—*Blacking Box.*



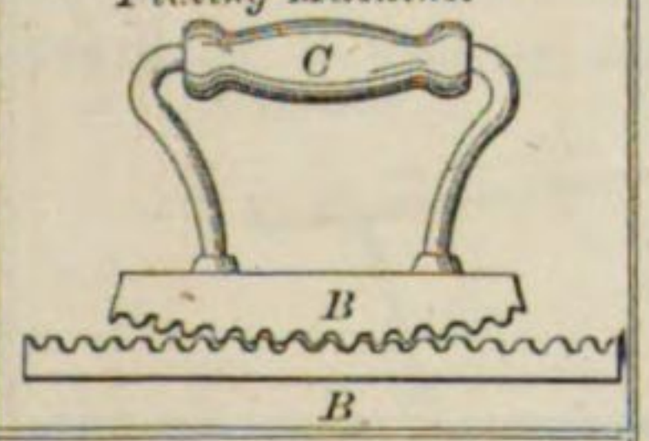
57398—G. R. & J. Solomon—*Ticket Register.*



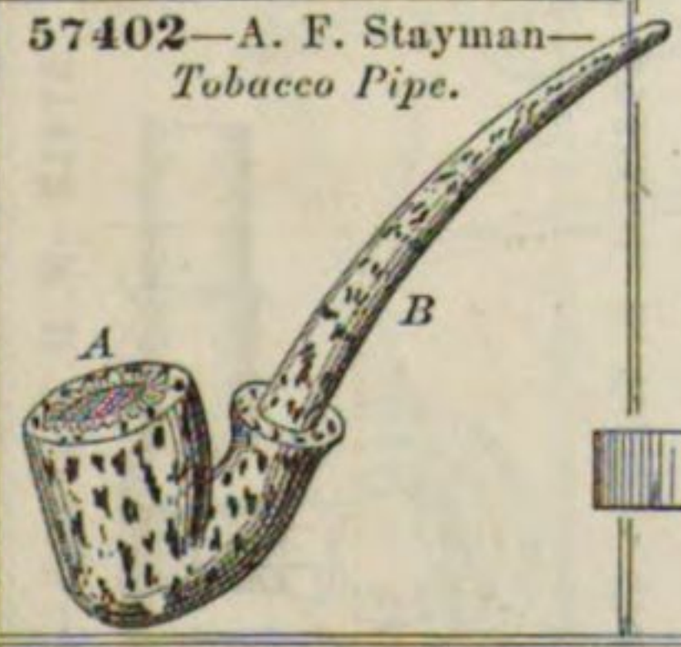
57405—O. Stoddard—*Shingle Machine.*

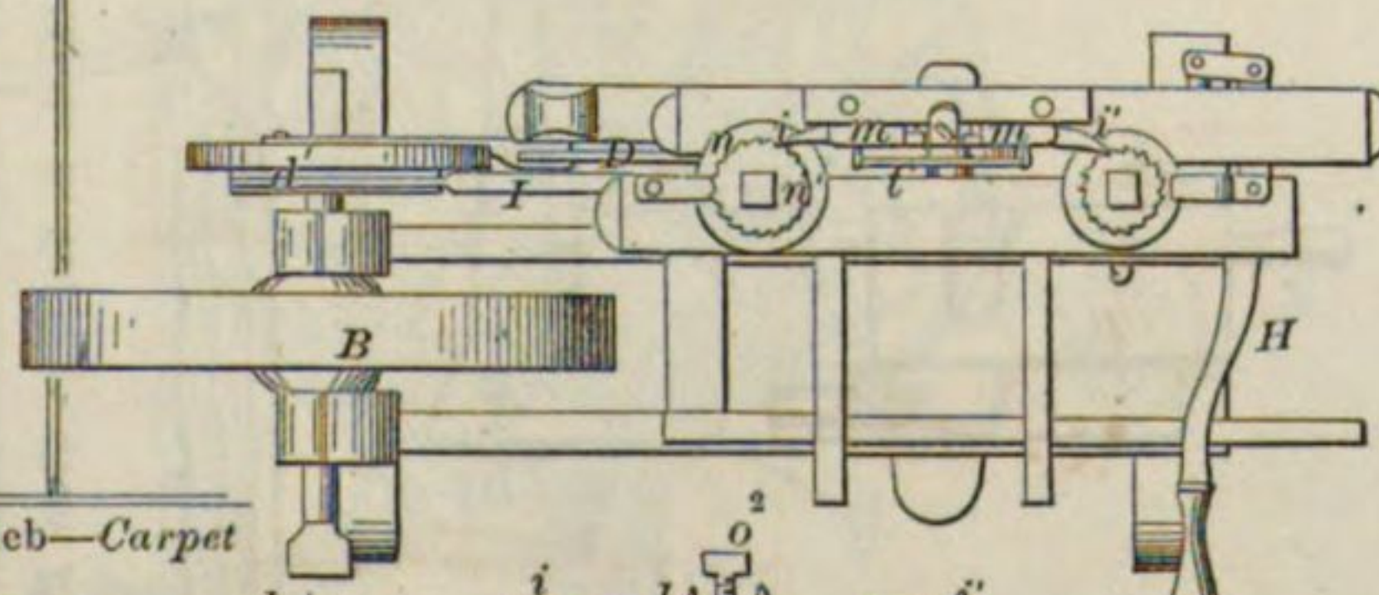


57403—C. A. Sterling—*Fluting Machine.*

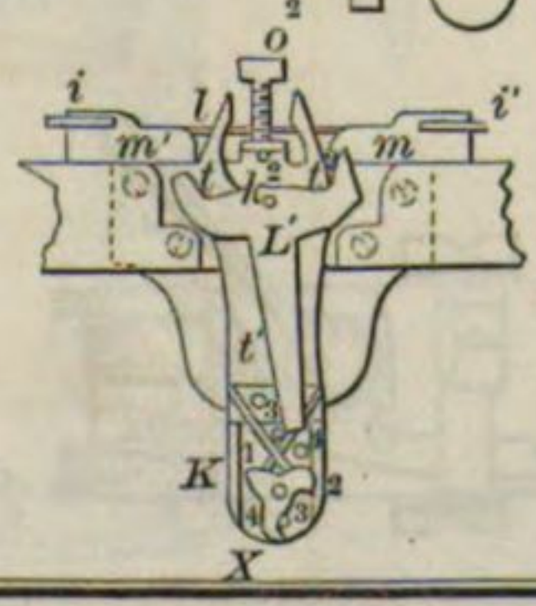


57402—A. F. Stayman—*Tobacco Pipe.*

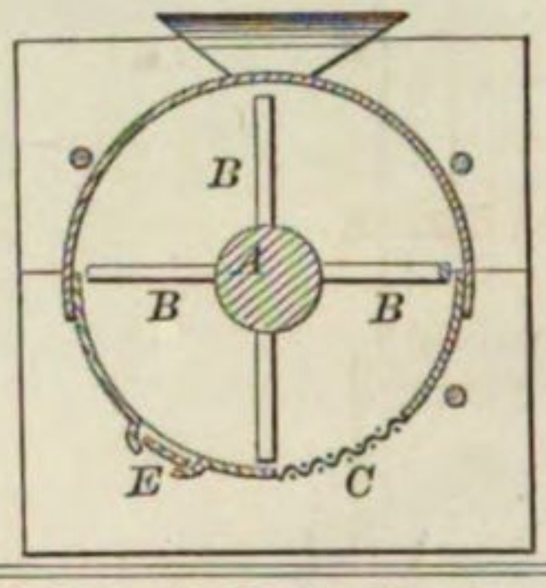




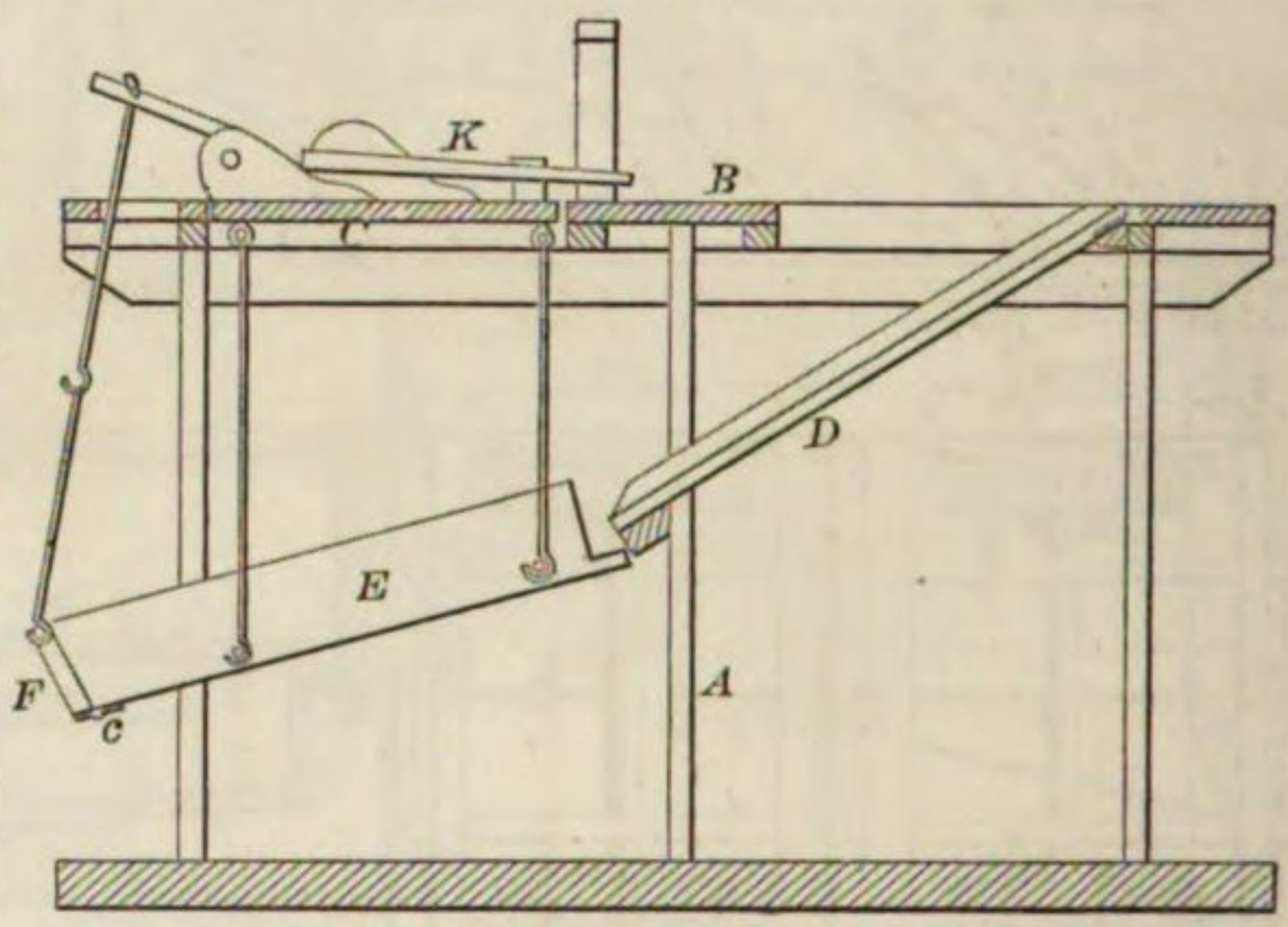
57399—Sonnekalb & Lieb—*Carpet Bag Frame.*



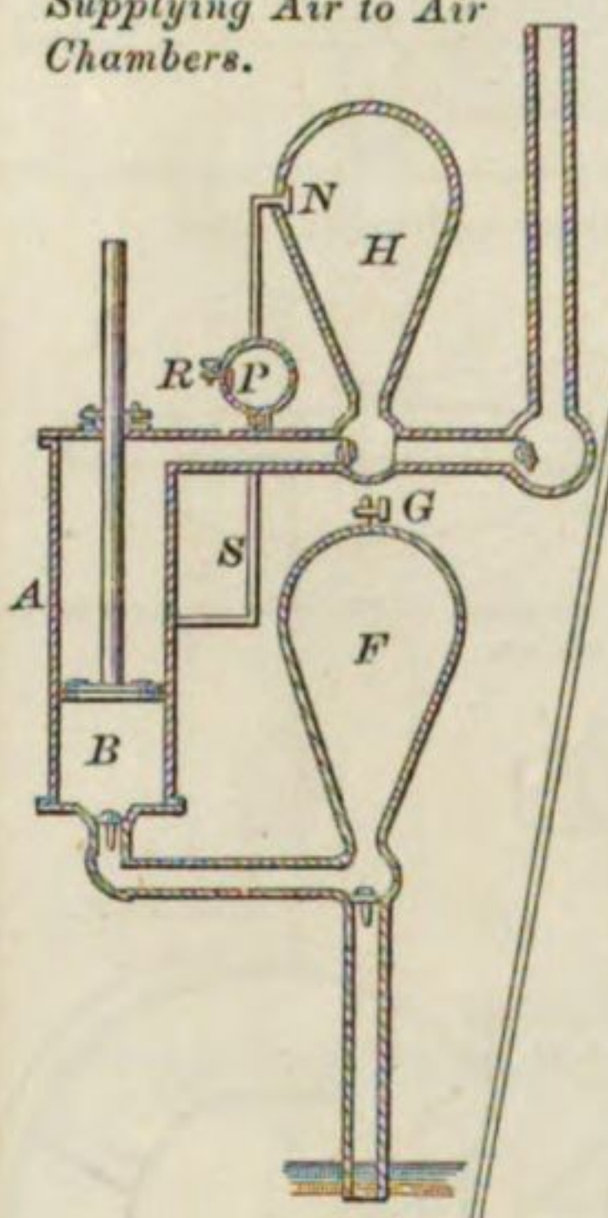
57406—R. H. Taylor—*Hominy Machine.*



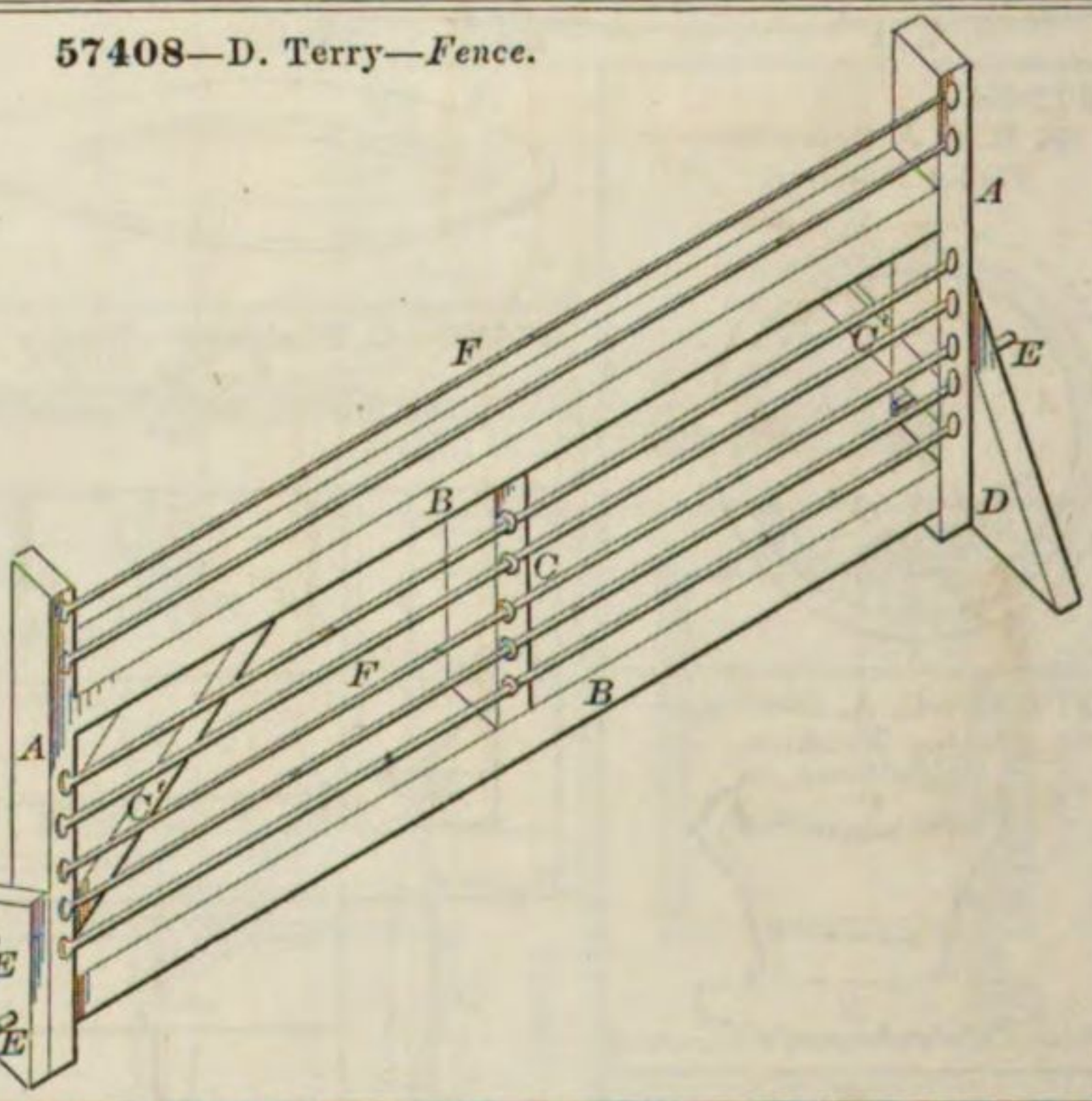
57407—W. H. Taylor—*Weighing Device.*



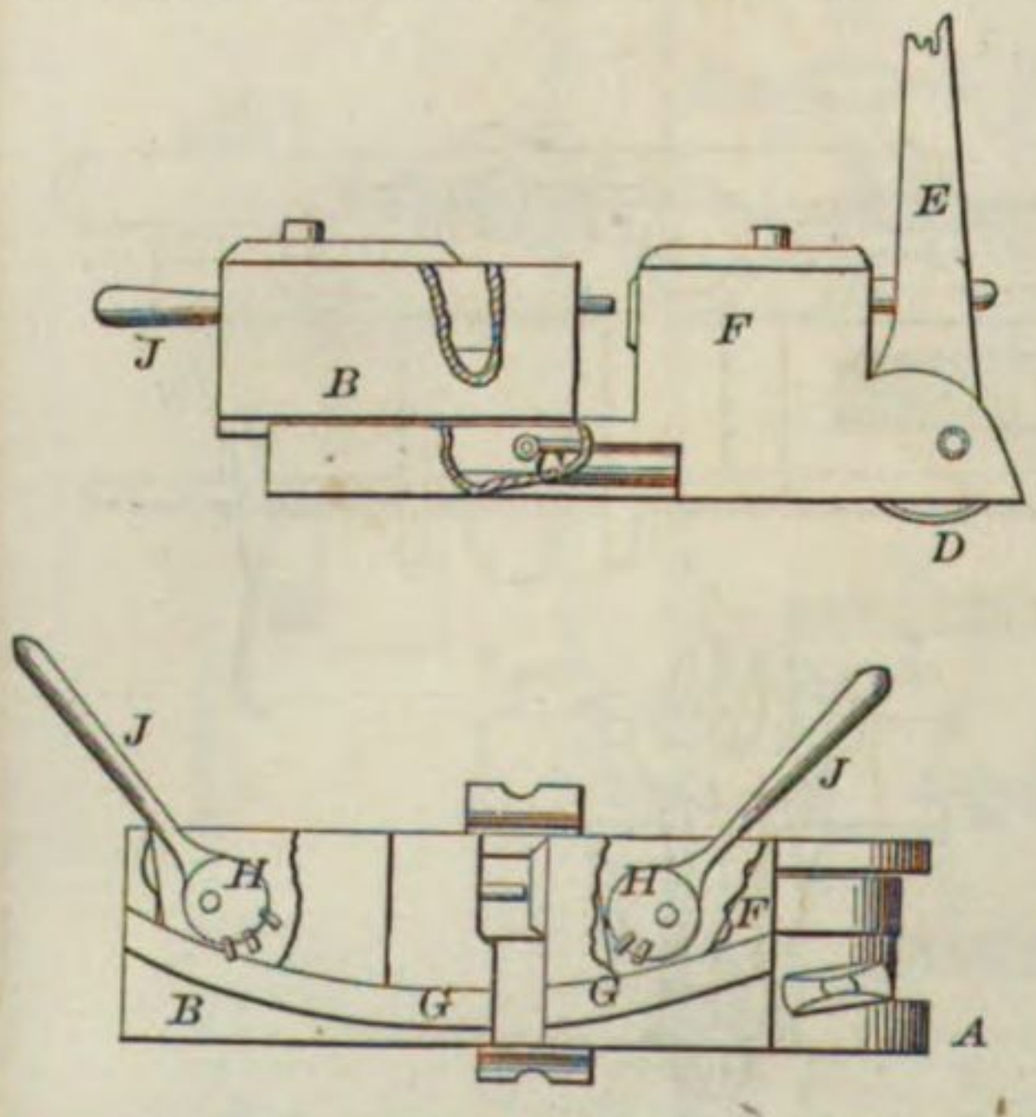
57412—P. H. V. Weyde—*Supplying Air to Air Chambers.*



57408—D. Terry—*Fence.*

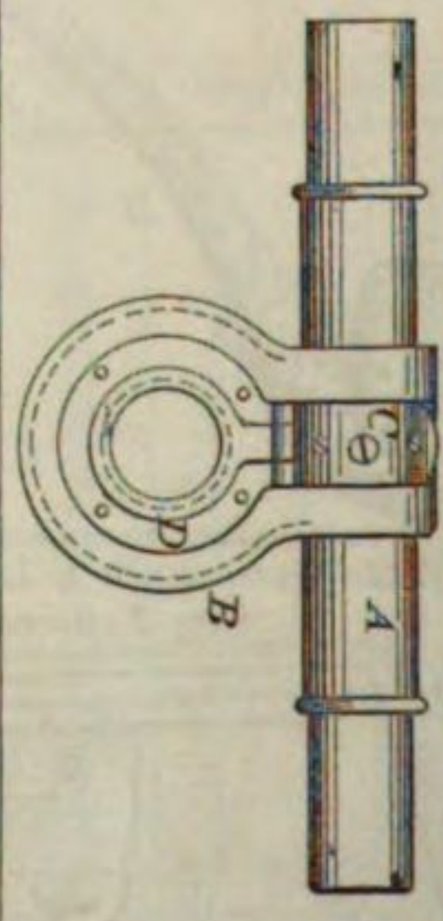


57410—T. Tully—*Tire Shrinking Machine.*

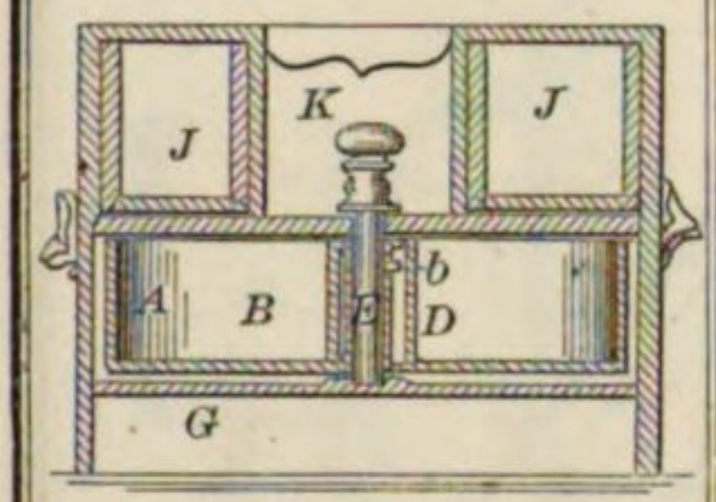


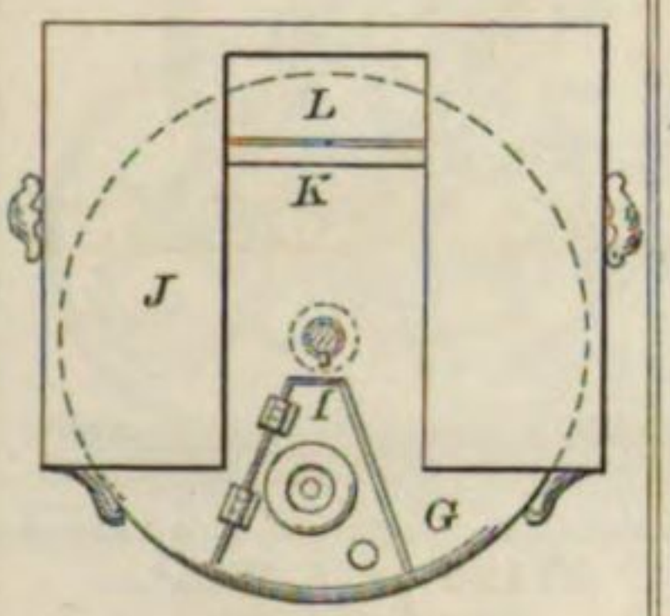
57411—L. B. Tupper—*Grate Bar.*

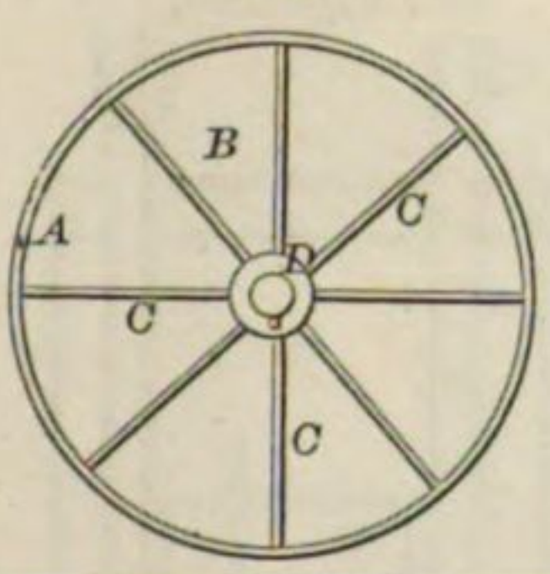
57413—N. H. Vosburgh—*Neck Yoke.*



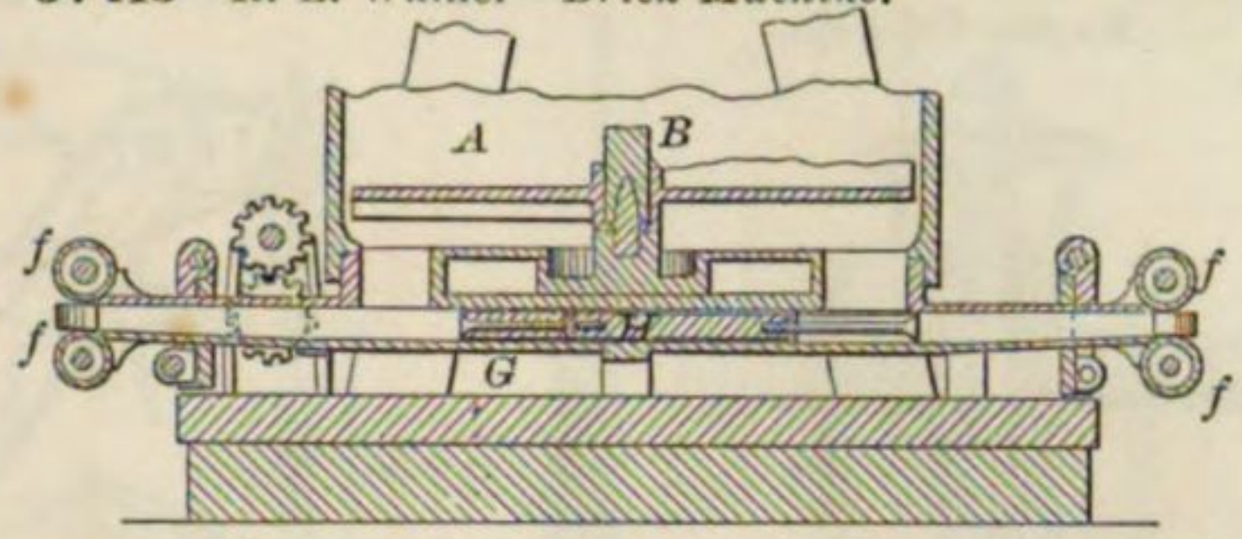
57414—A. J. Walker—
Spice Holder.





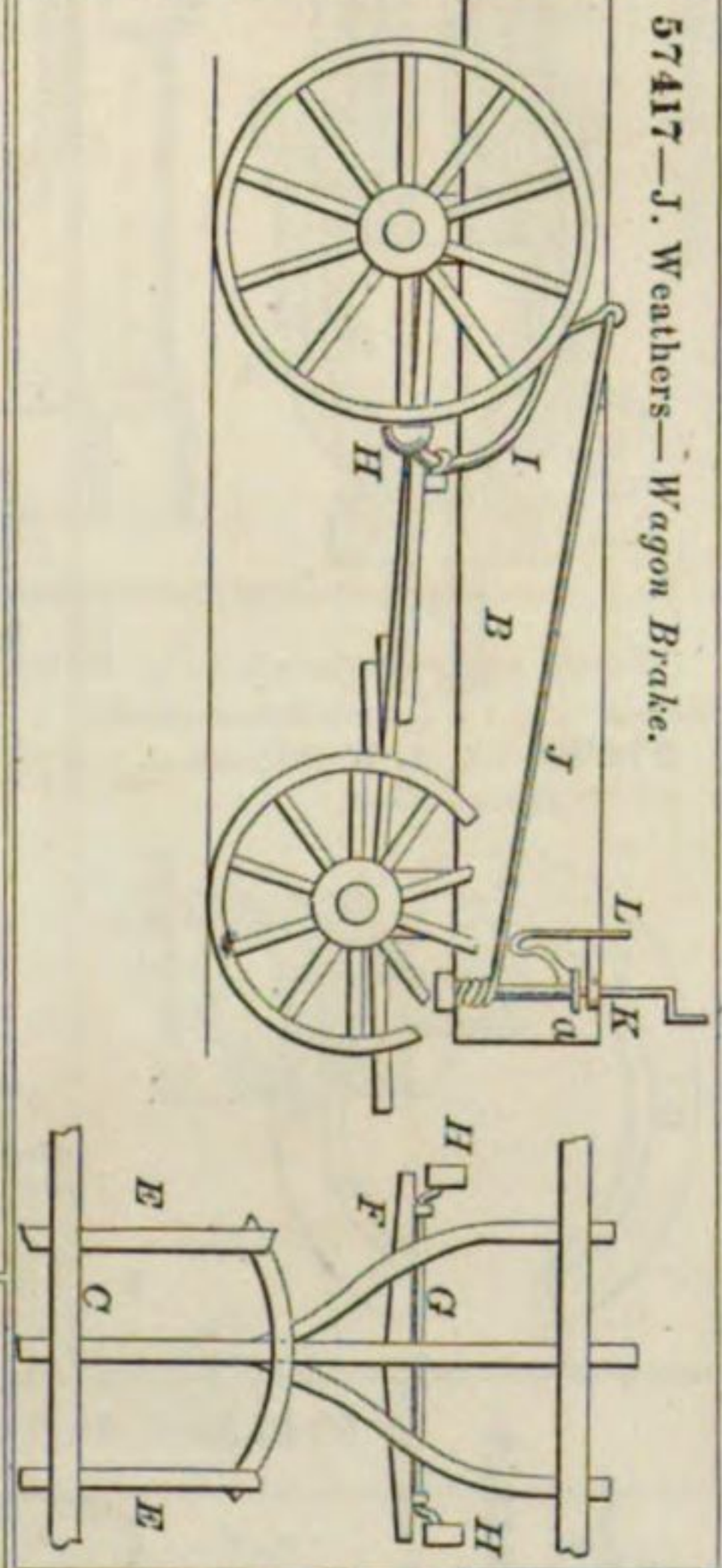


57415—R. L. Walker—*Brick Machine.*

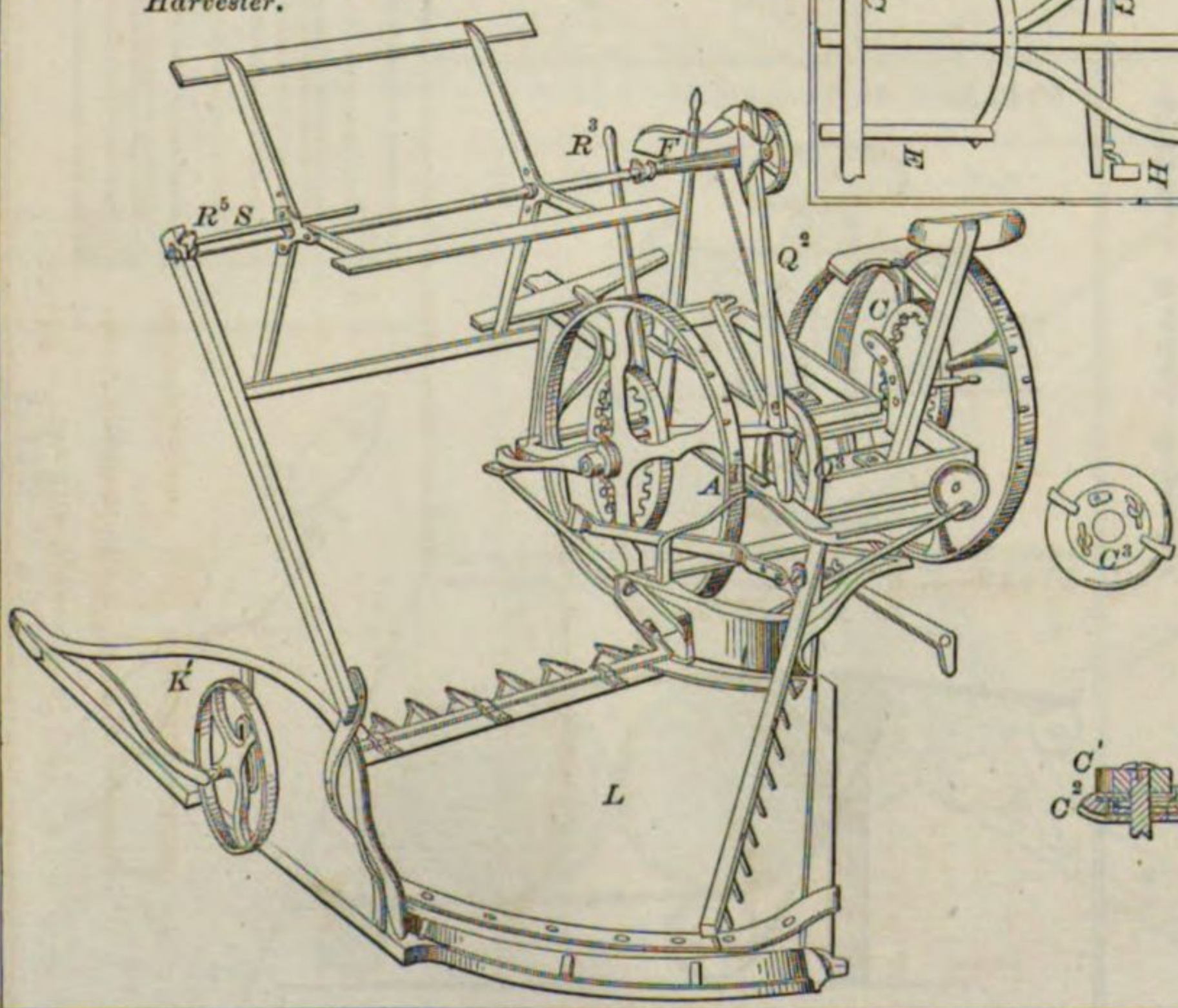


57416—R. W. Ware—*Crutch.*

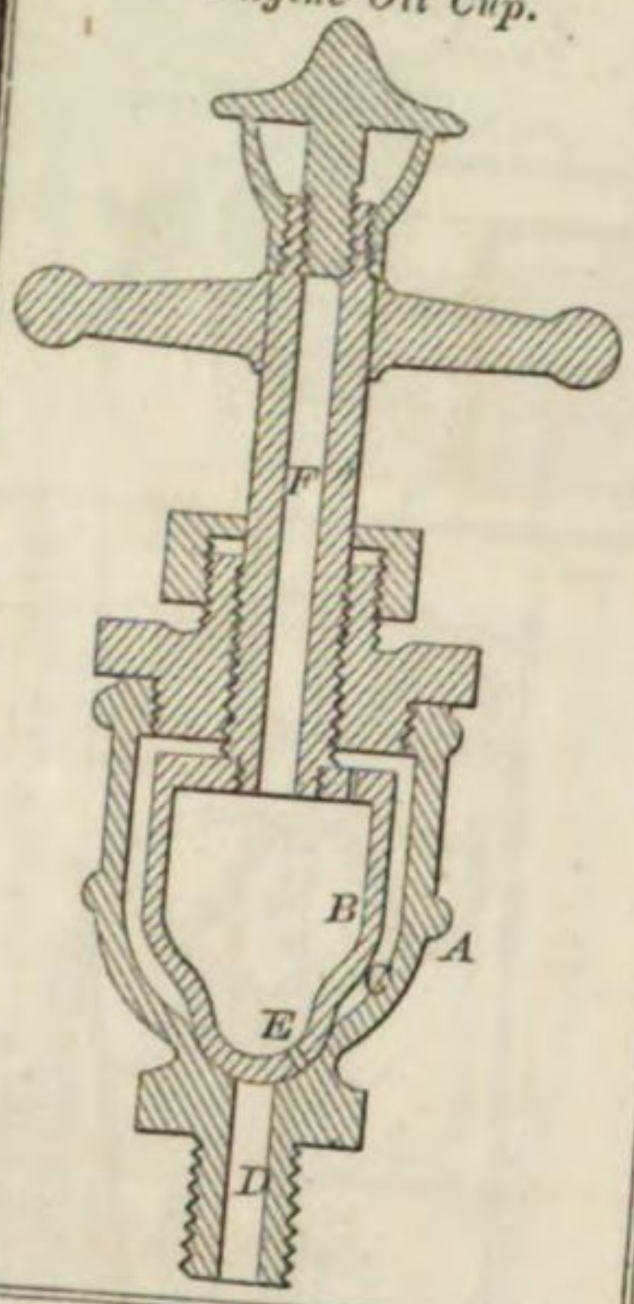
57417—J. Weathers—*Wagon Brake.*



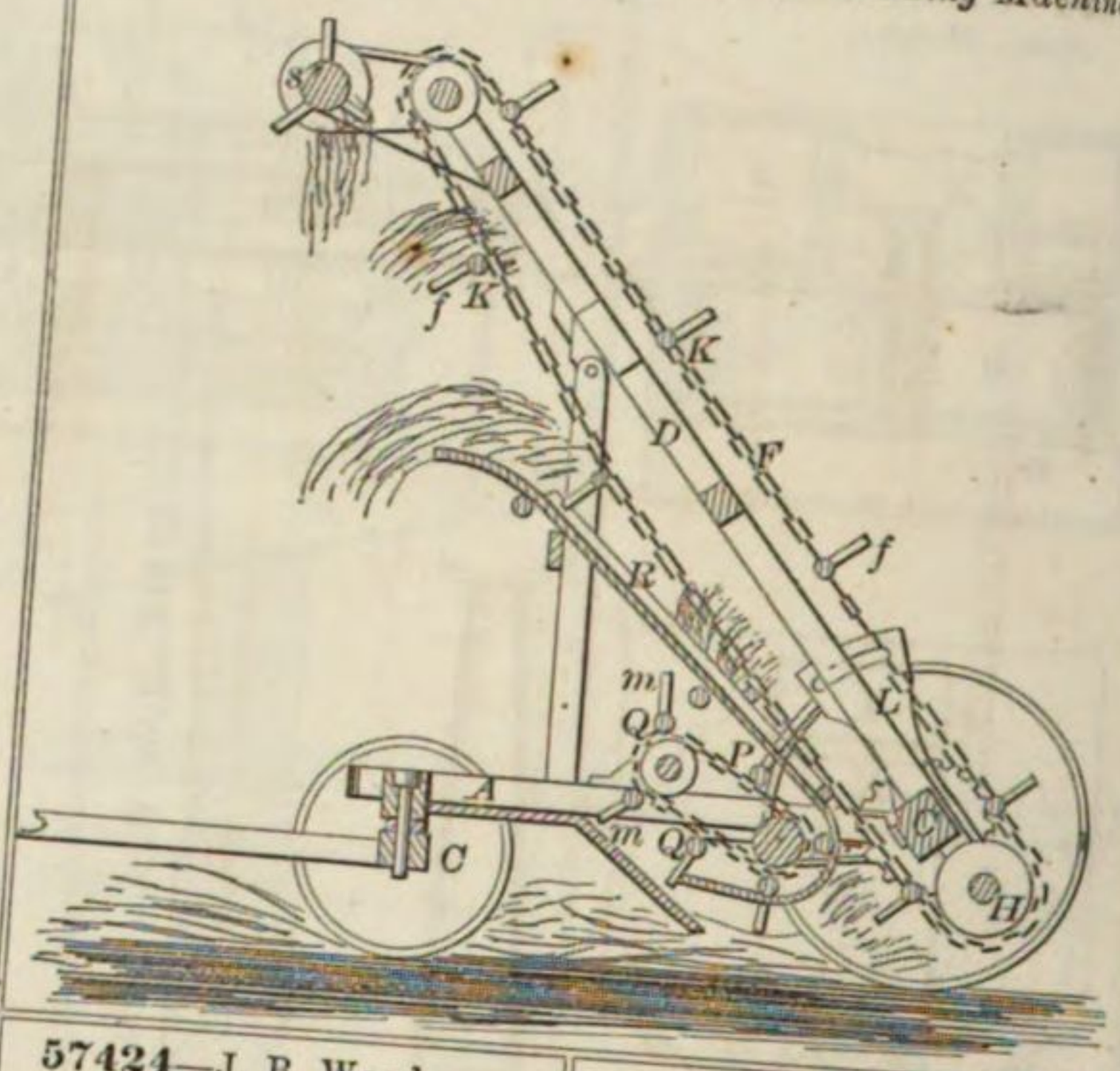
57419—W. N. Whiteley, Jr.
Harvester.



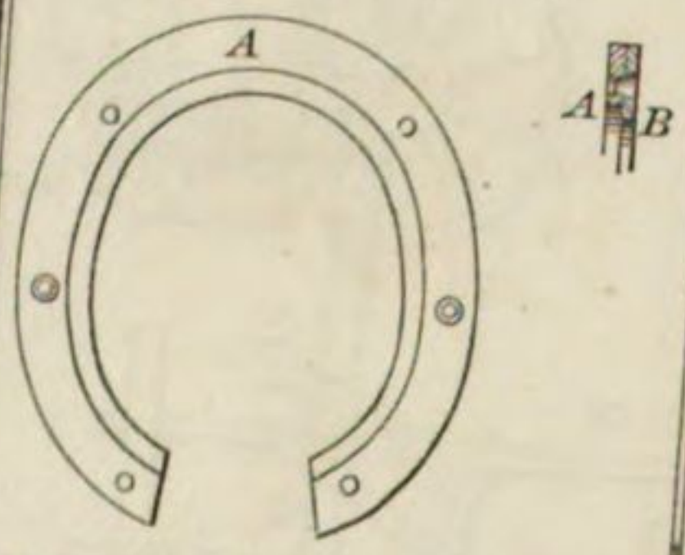
57418—N. J. White—*Steam Engine Oil Cup.*



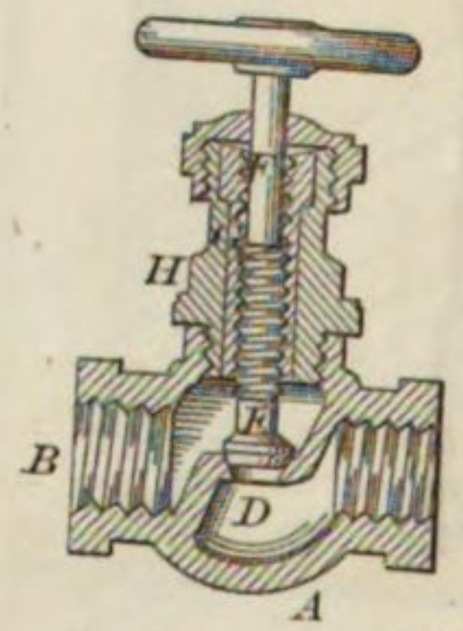
57421—H. Willard—*Hay Raking and Loading Machine.*



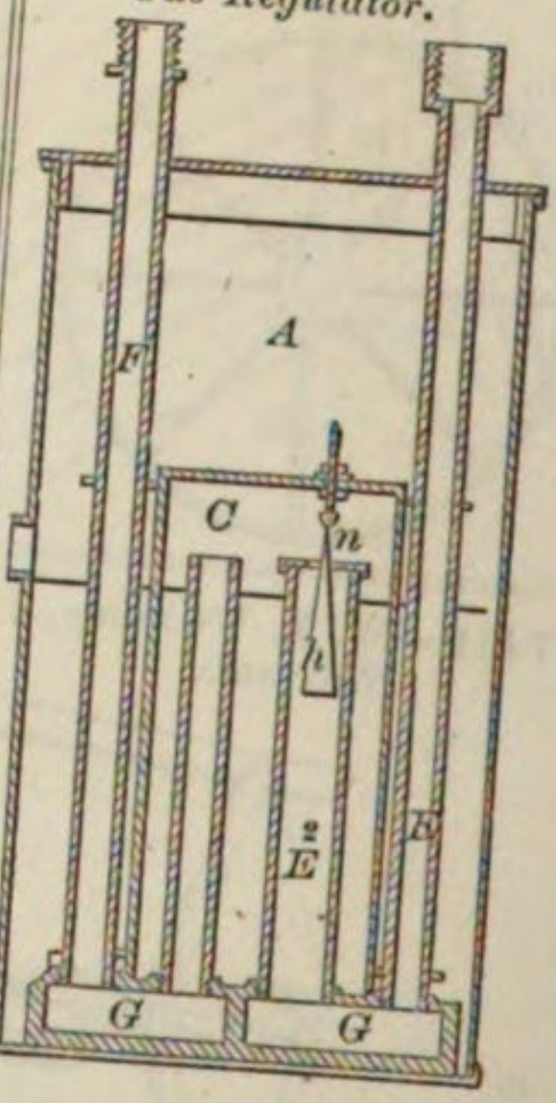
57420—A. S. Wilkinson—*Horse Shoe.*



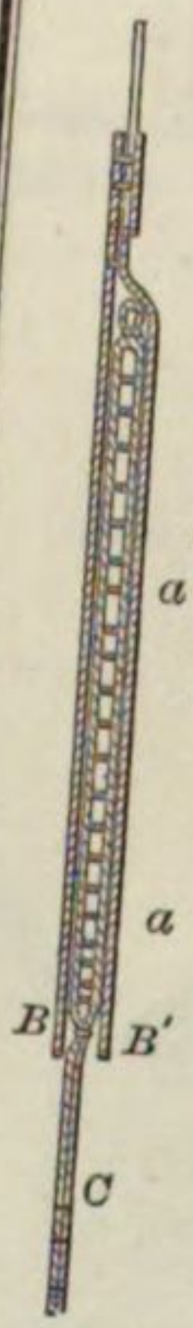
57424—J. B. Wood—*Steam Valve.*



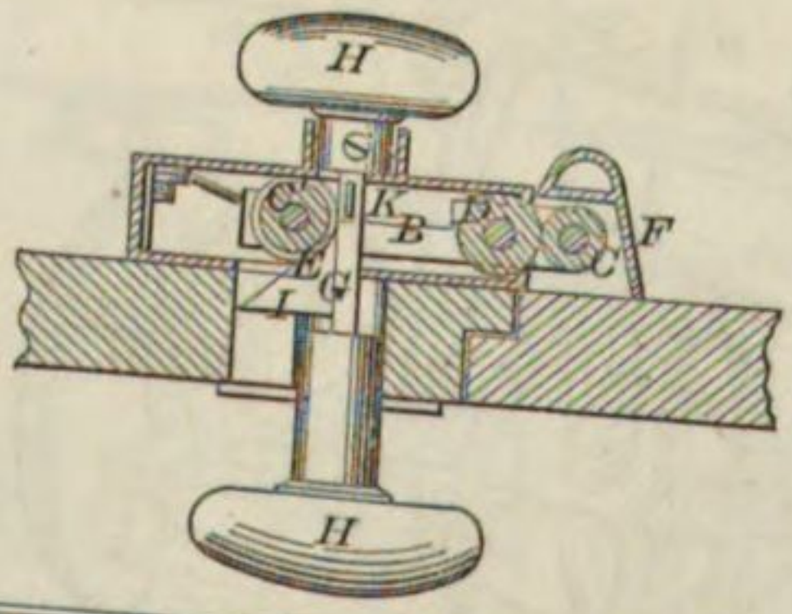
57425—J. S. Wood—*Gas Regulator.*



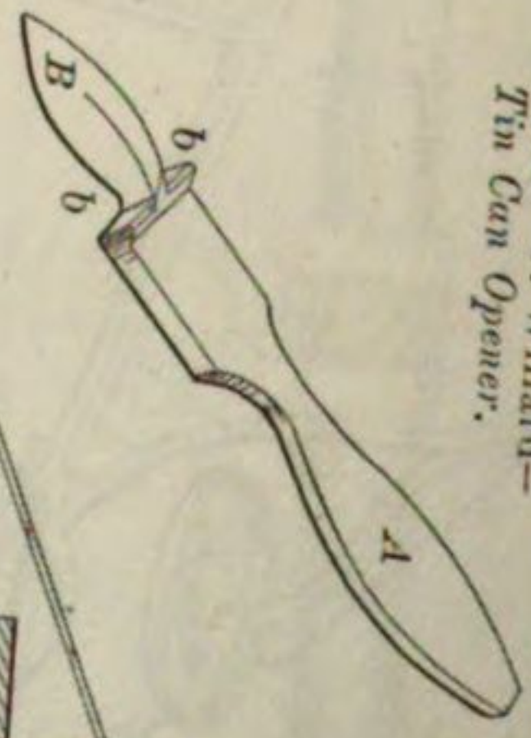
57426—A. Woodard—*Suspenders.*



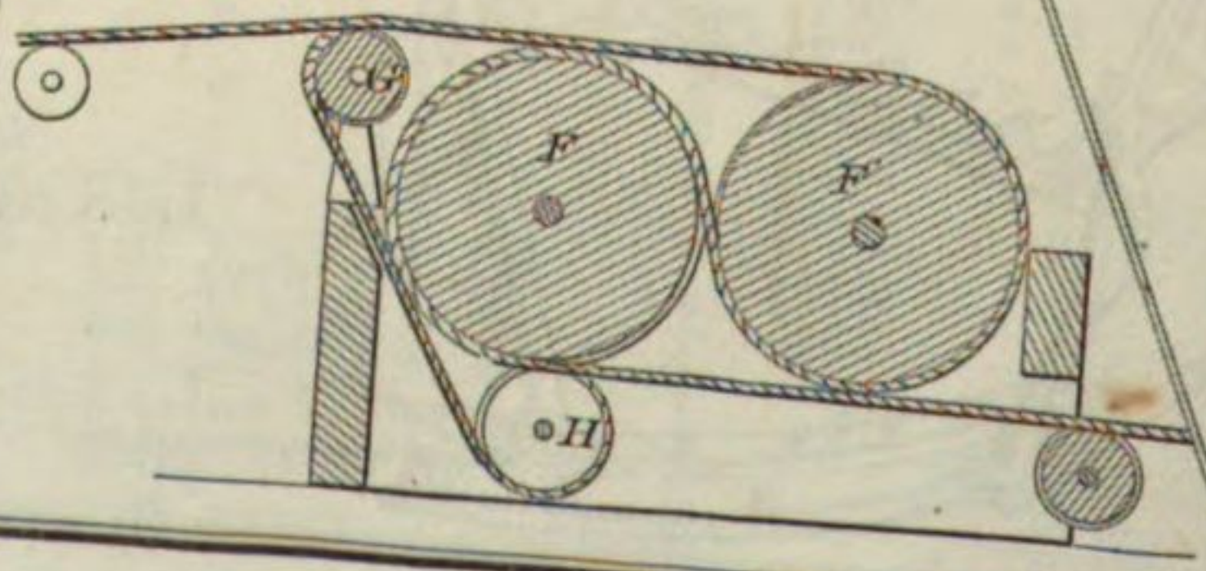
57423—G. M. Wood—*Lock*



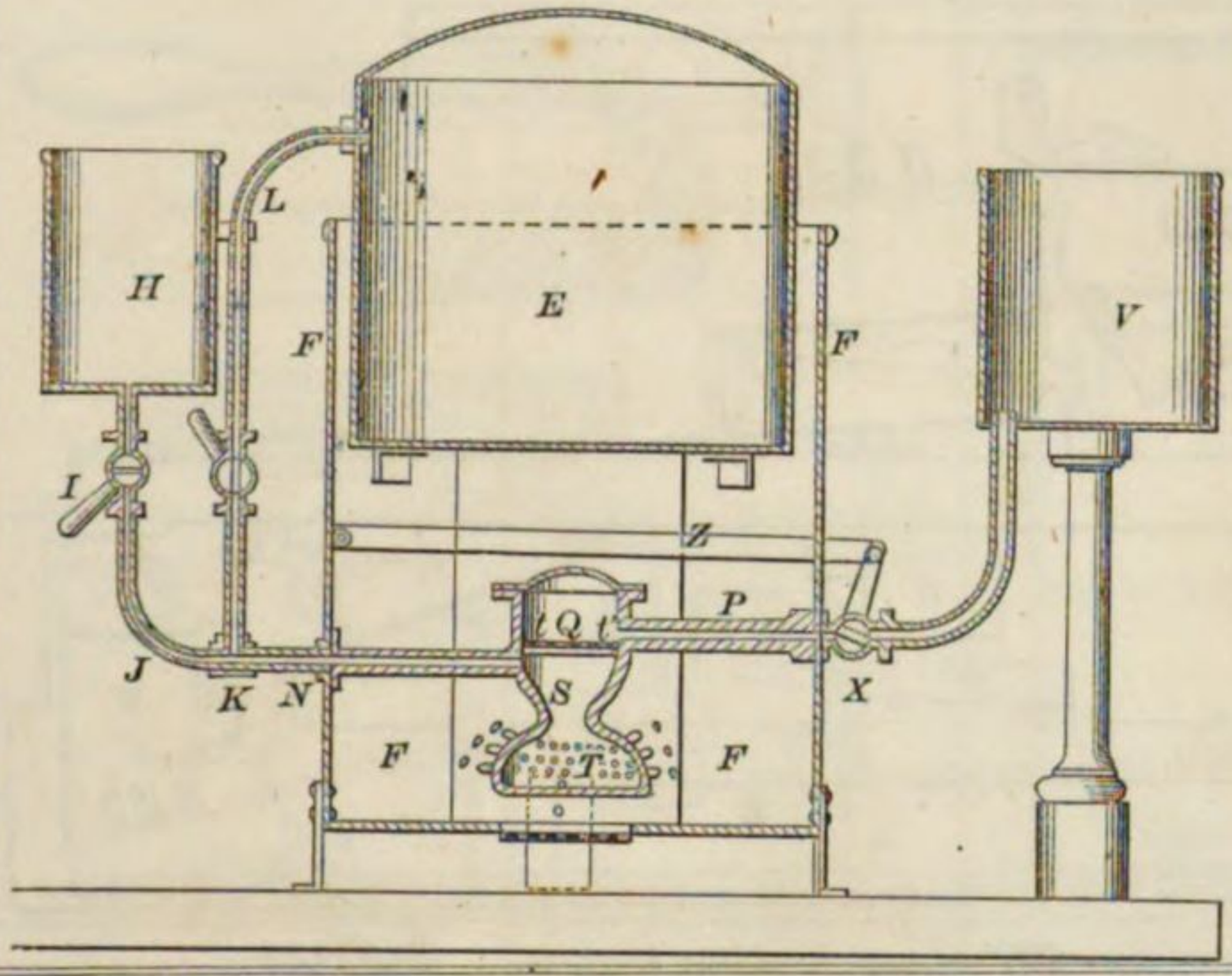
57422—J. Willard—*Tin Can Opener.*



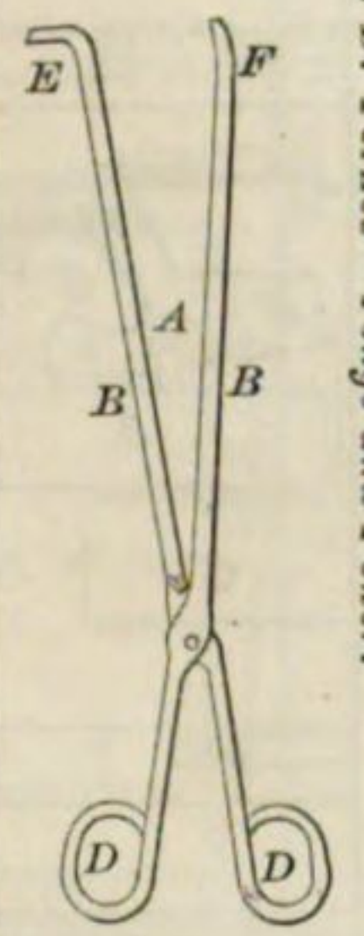
57428—J. E. Wootten—*Winding Apparatus for Inclined Planes.*



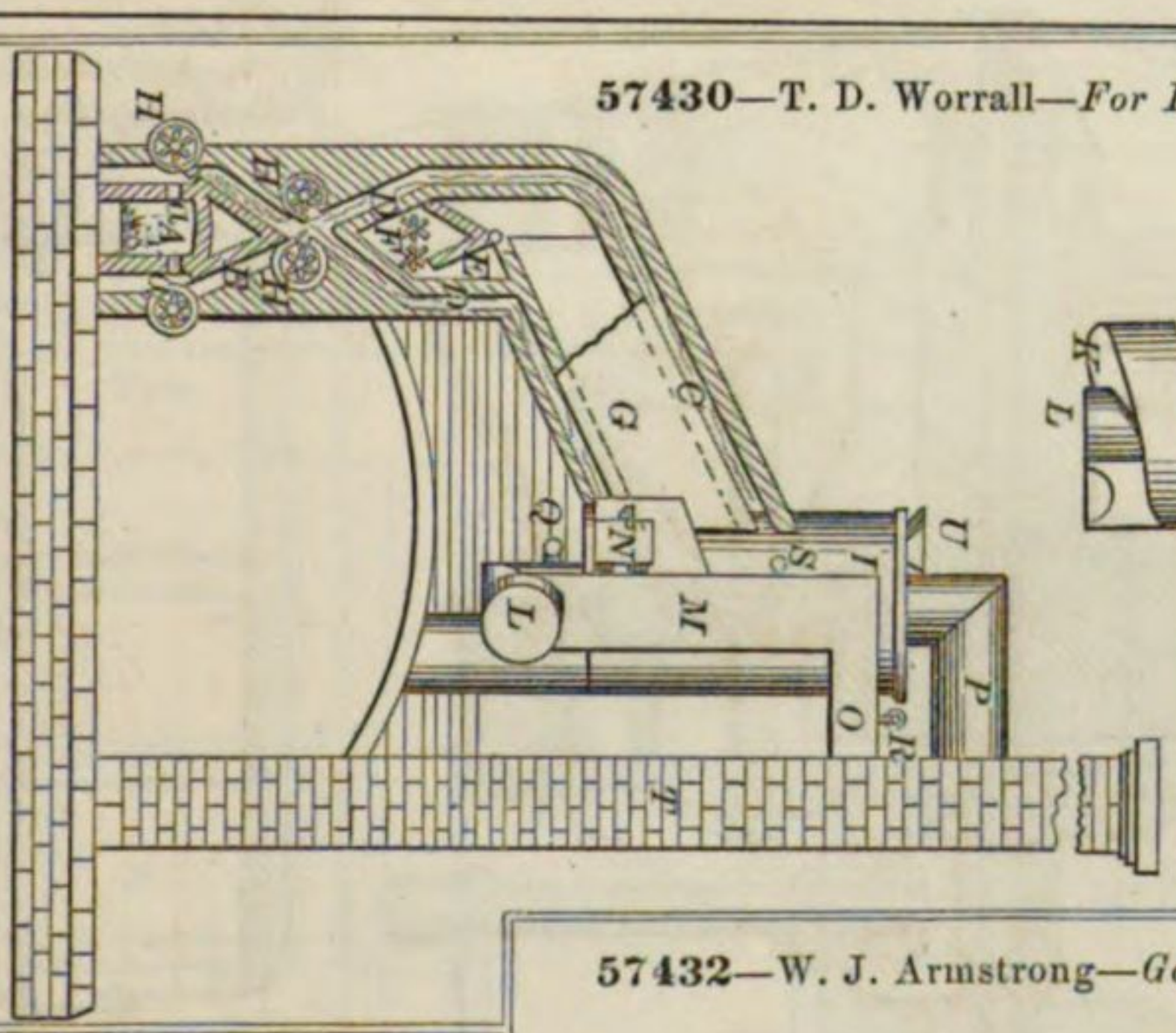
57429—A. J. Works—*Burning Liquid Hydro-Carbon.*



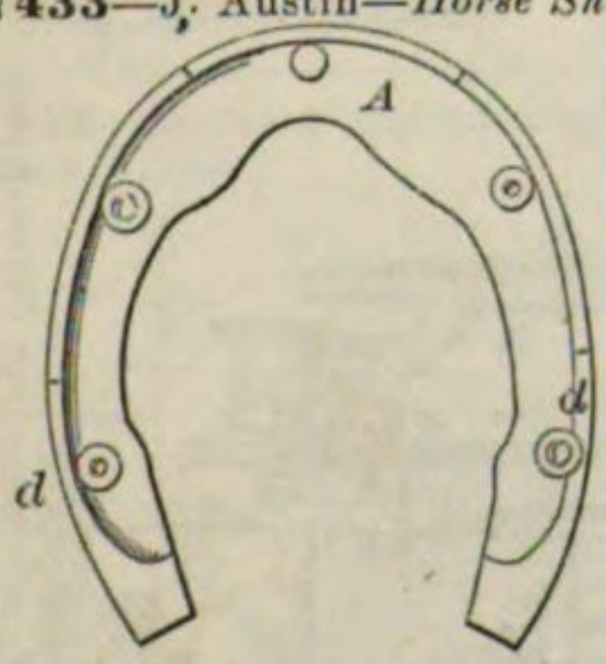
57431—S. D. Yerkes—*Tongs and Poker.*

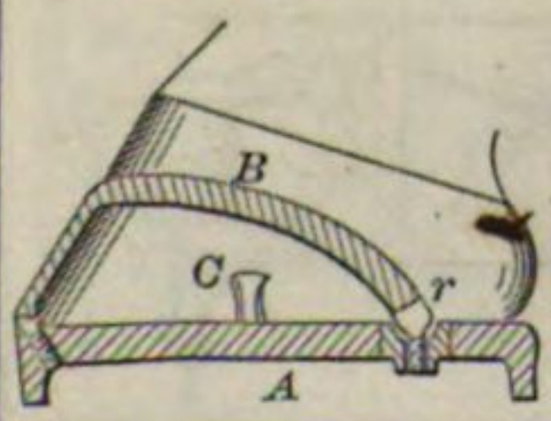


57430—T. D. Worrall—*For Desulphurizing Quartz.*

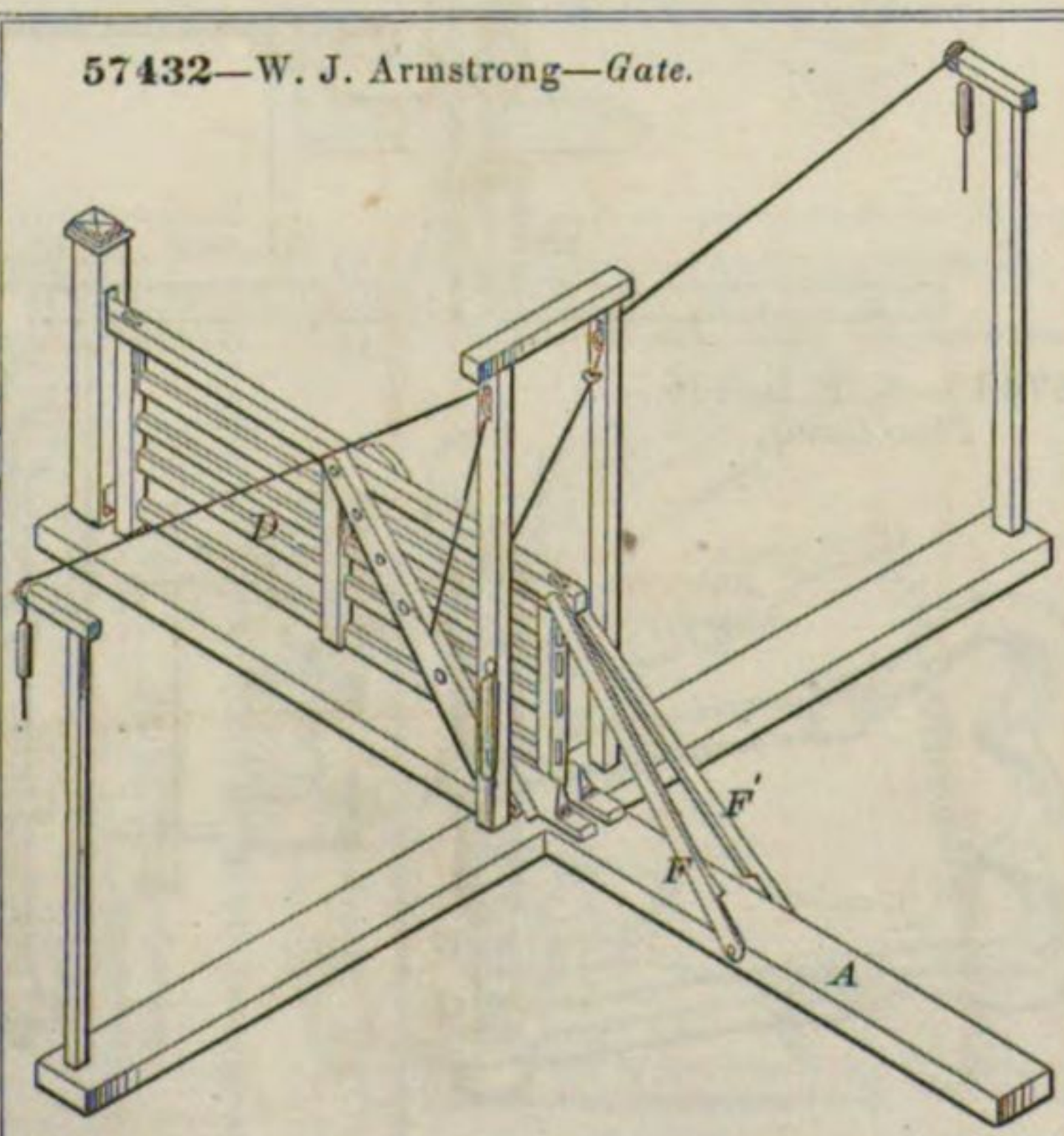


57433—J. Austin—*Horse Shoe.*

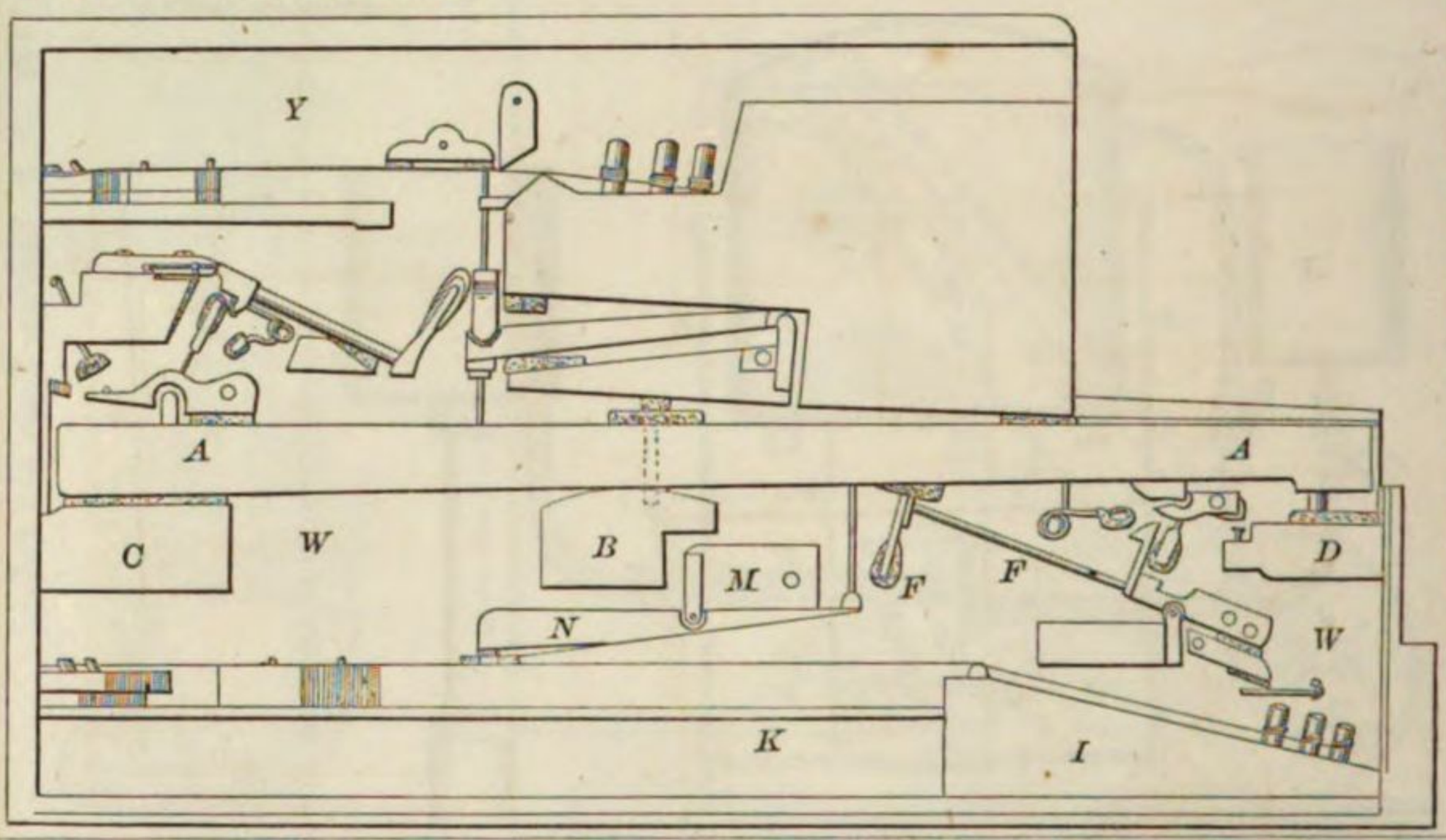




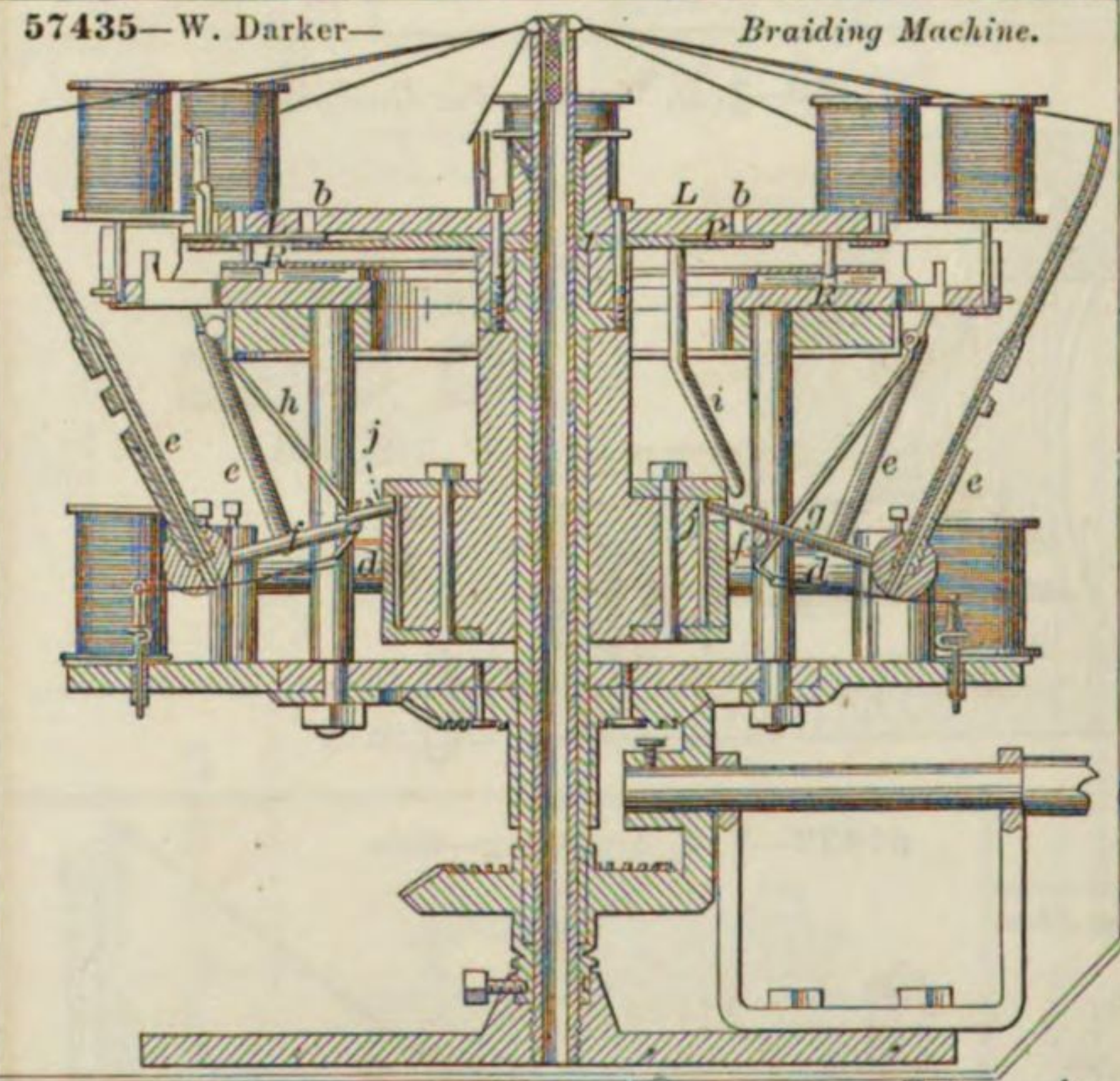
57432—W. J. Armstrong—*Gate.*



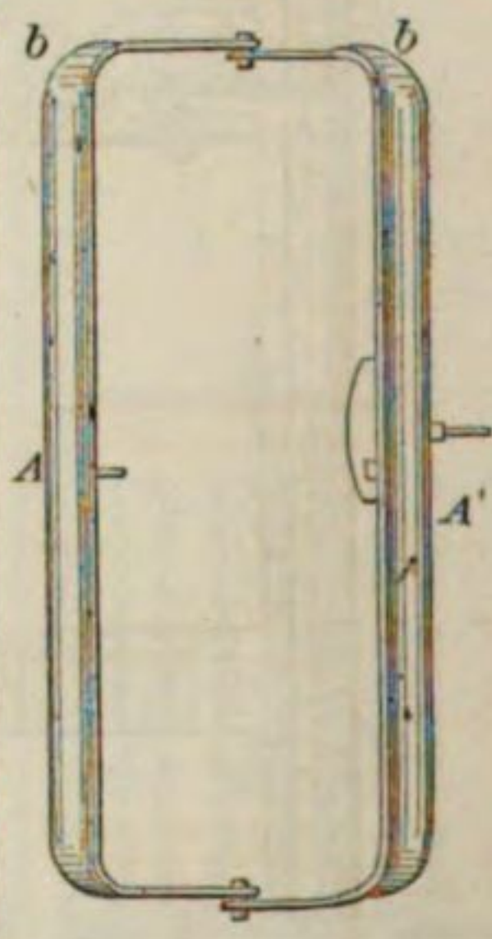
57434—J. J. Bender—*Piano.*



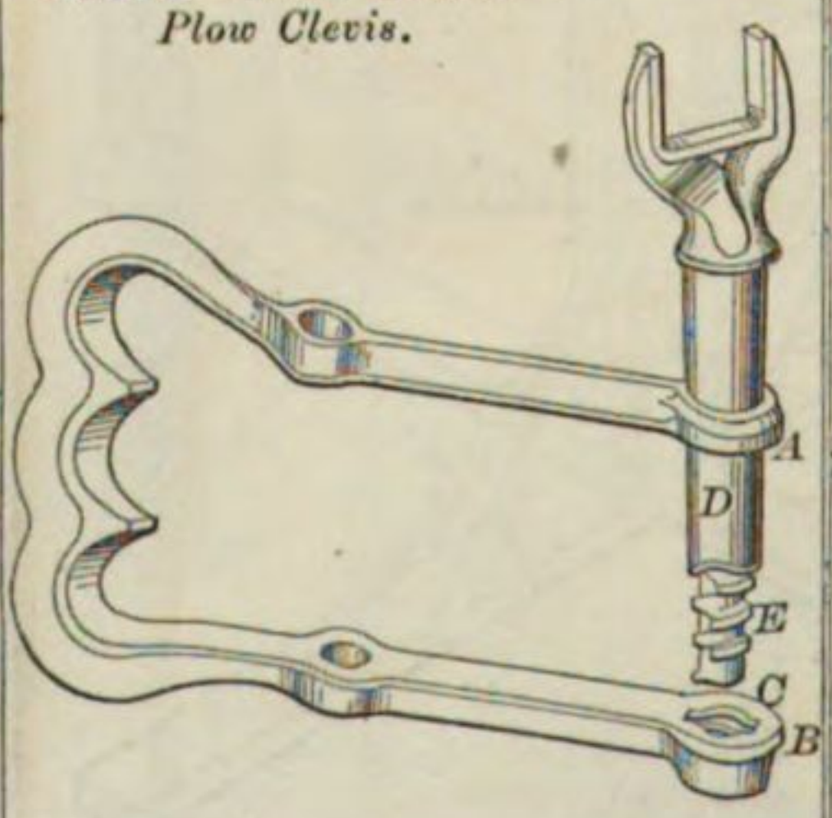
57435—W. Darker— *Braiding Machine.*

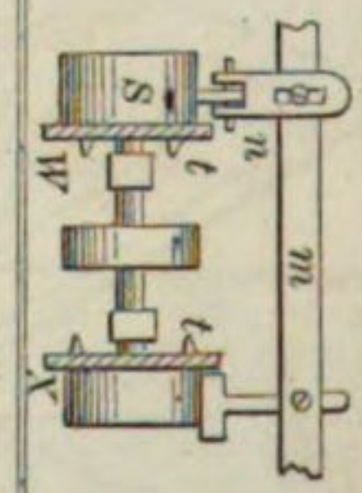


57438—
L. Frühinsfeld—
Traveling Bag Frame.

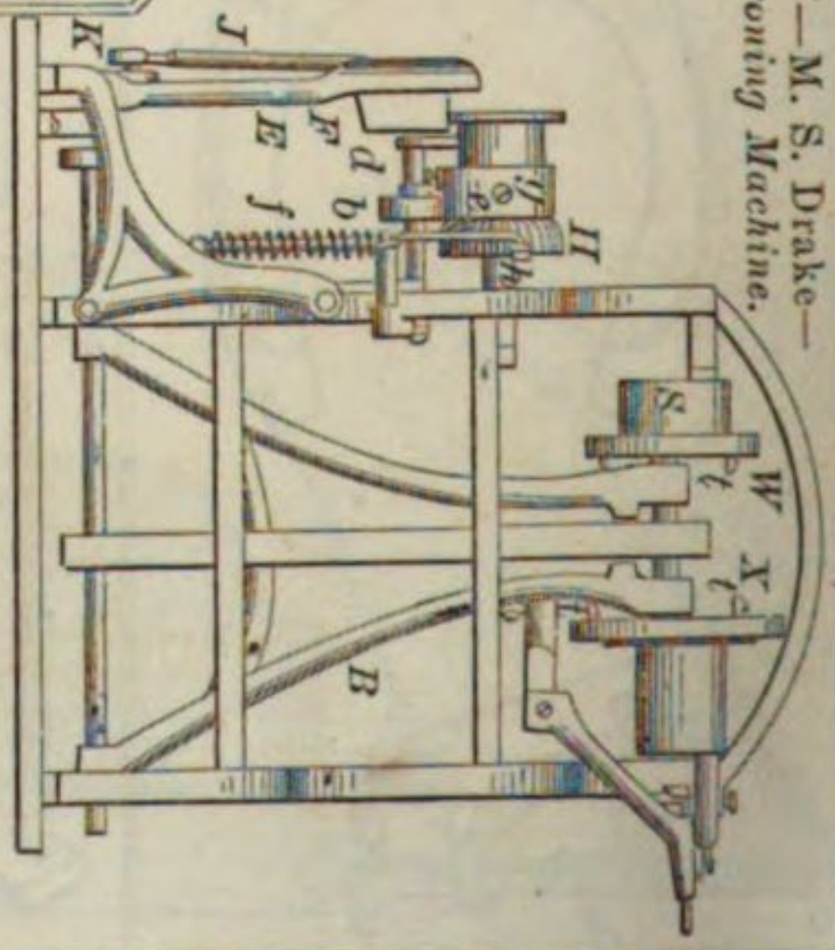


57436—G. P. Darrow—
Plow Clevis.

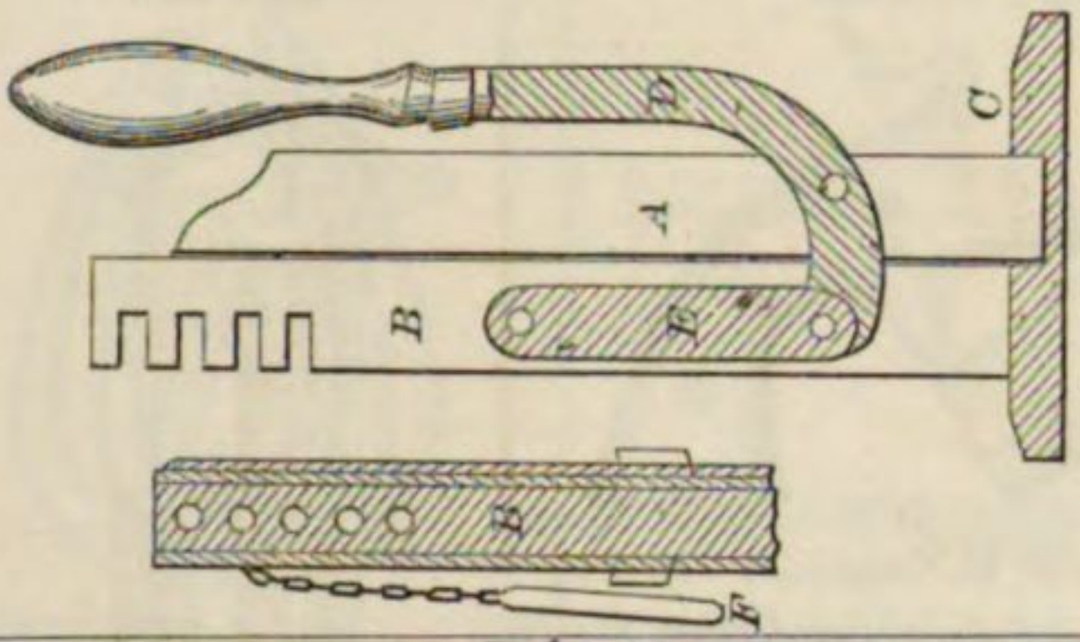




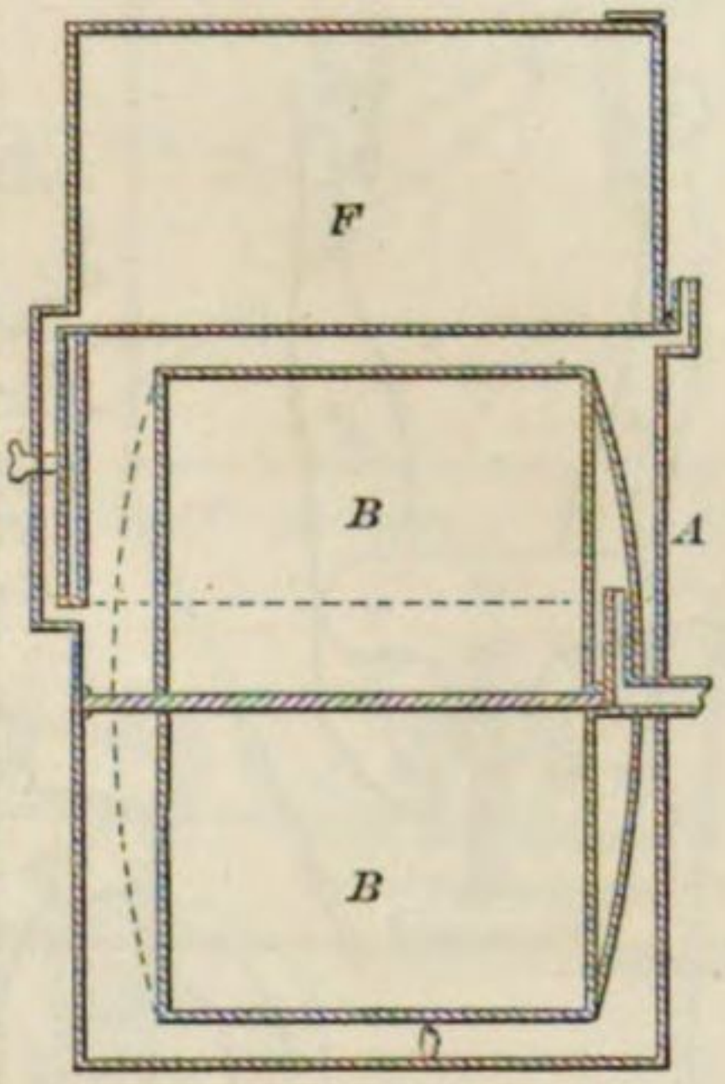
57437—M. S. Drake—
Hat Ironing Machine.



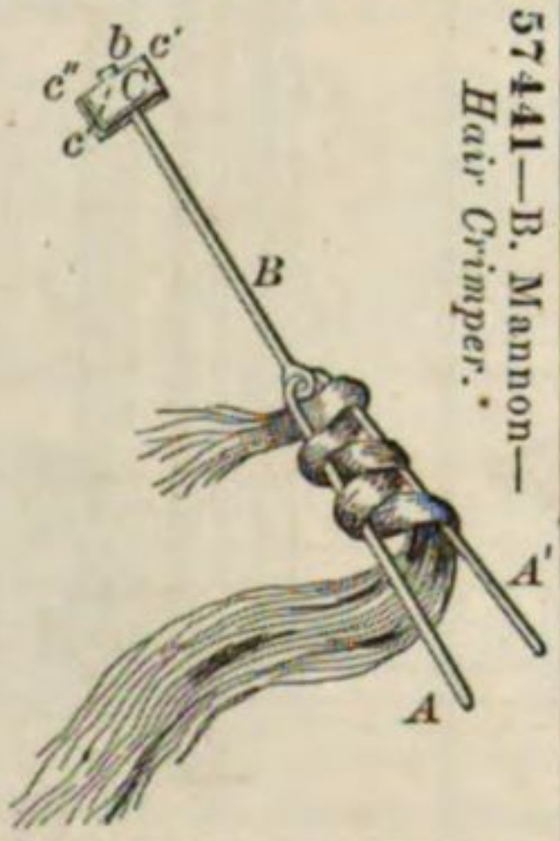
57439—J. F. Hammond—*Lifting Jack.*



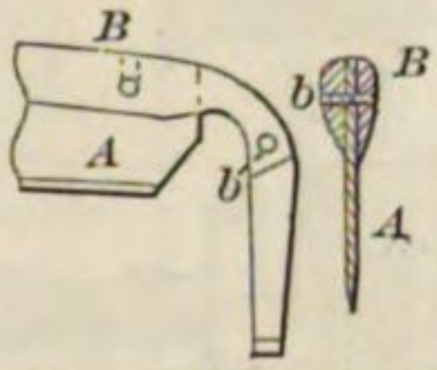
57442—D. McDonald—*For Carburetting Air.*



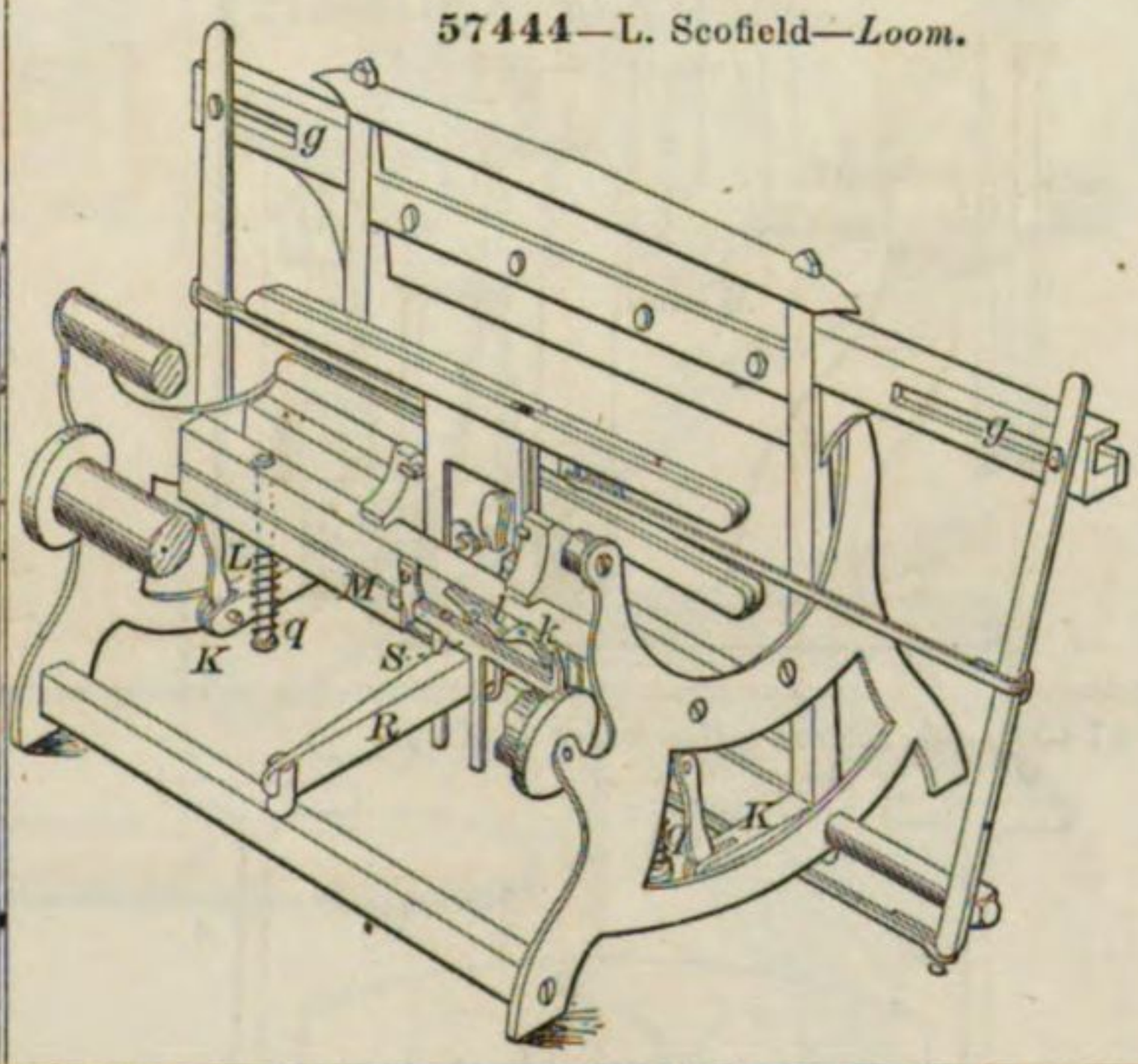
57441—B. Mannon—*Hair Crimper.*



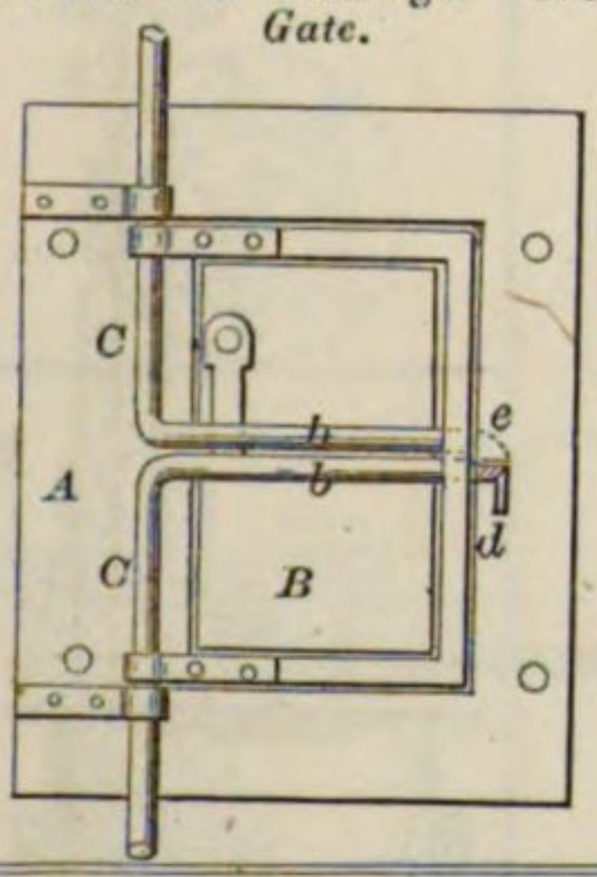
57440—C. M. Hodges—*Scythe.*



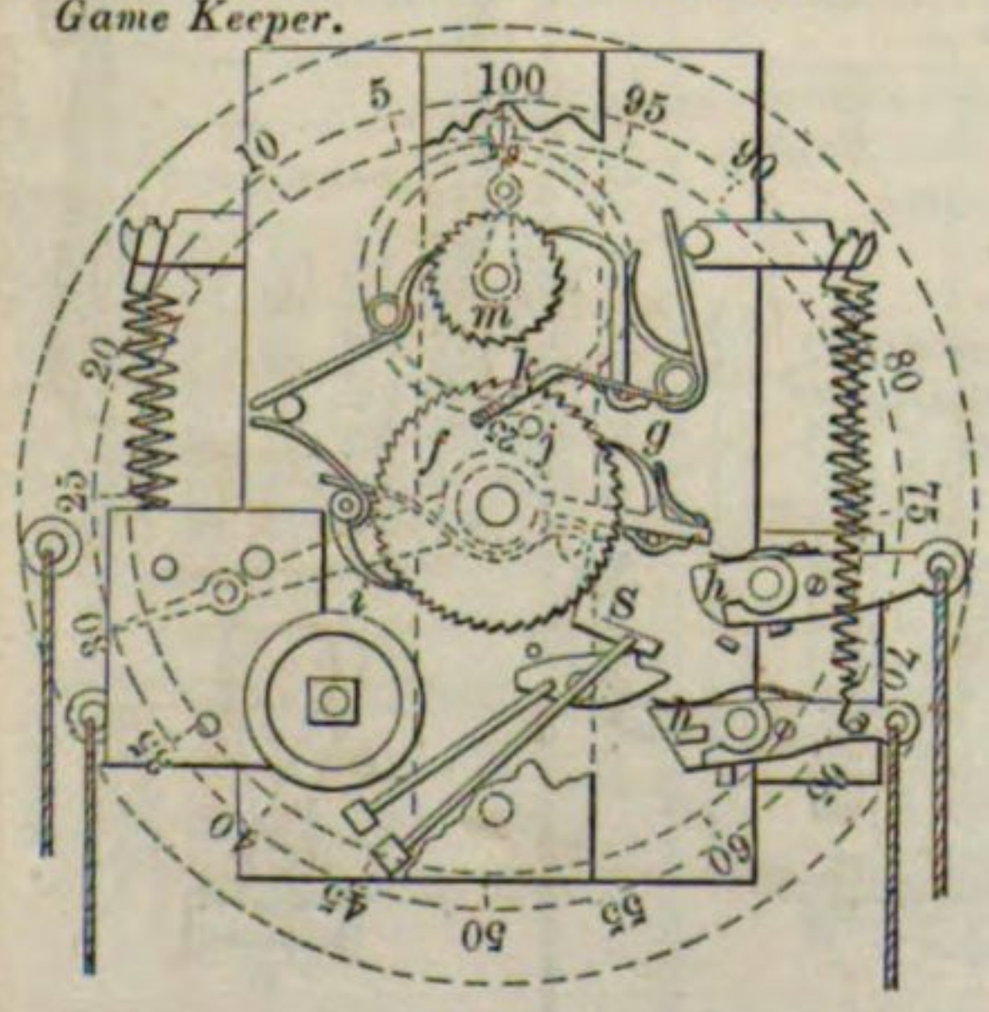
57444—L. Scofield—*Loom.*



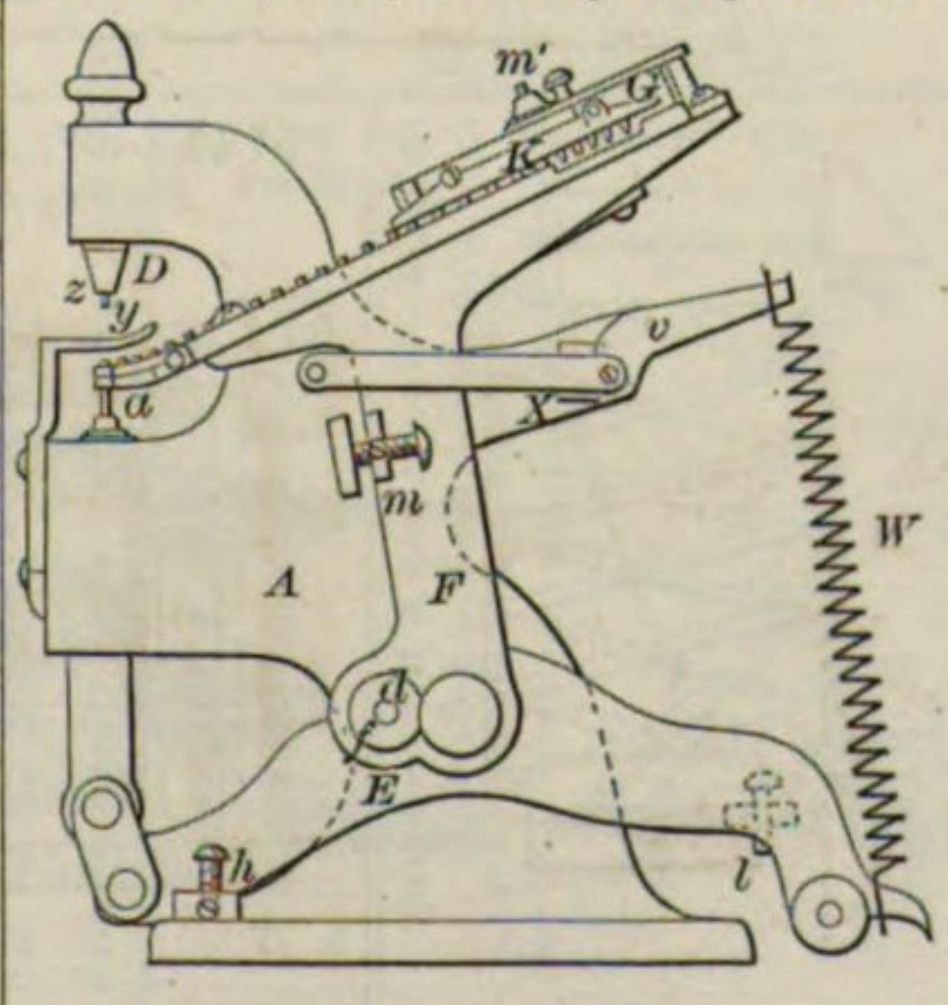
57445—G. Seitzinger—*Grain Gate.*



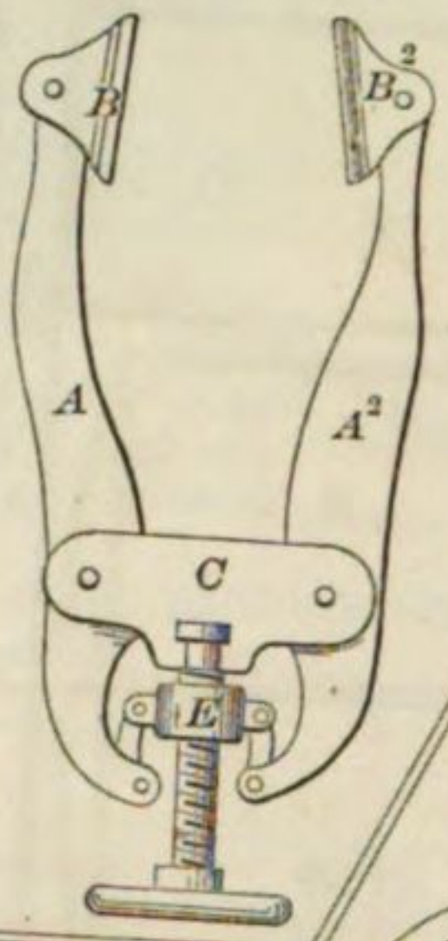
57443—Miller & Reichert—*Billiard Game Keeper.*



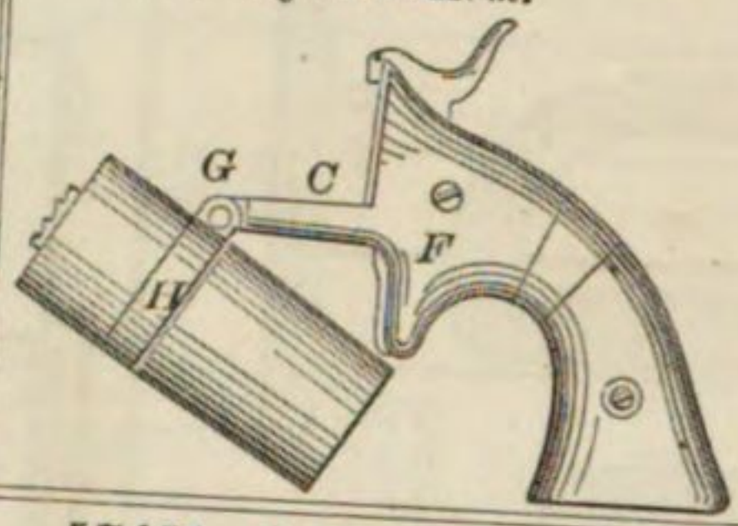
57446—G. Shipman—*Eyeleting Machine.*



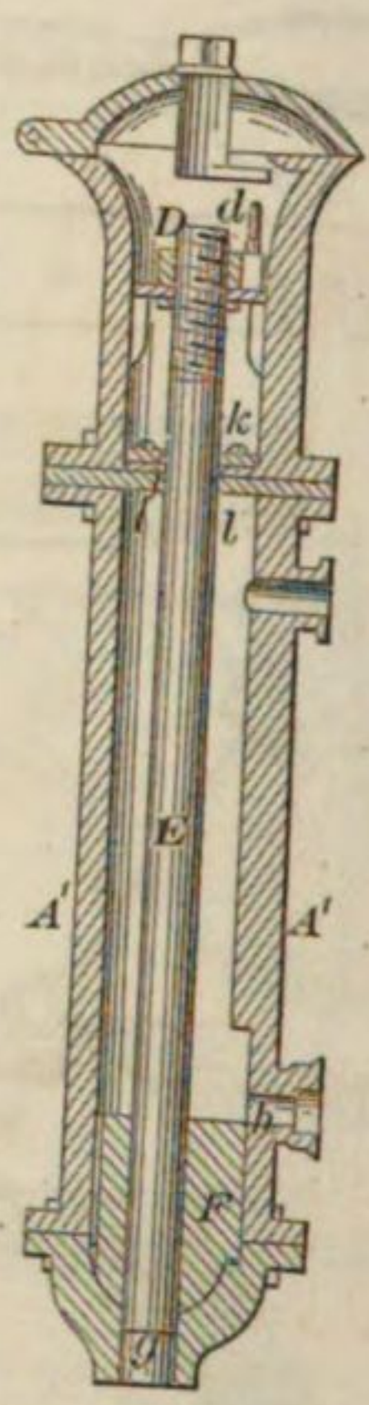
57447—A. C. Stockmar—*Hand Vise or Clamp.*



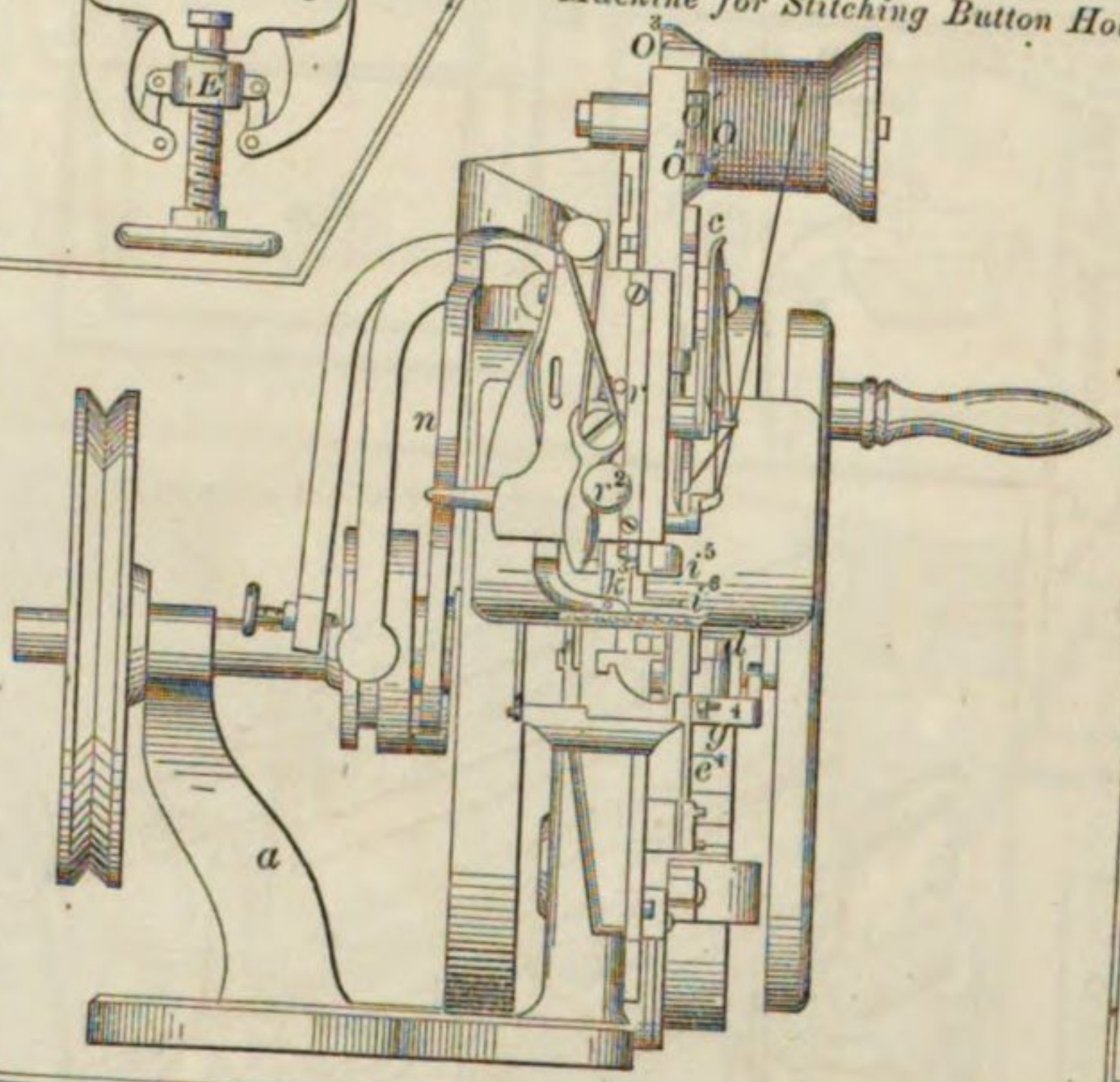
57448—J. H. Vickers—*Revolving Fire Arm.*



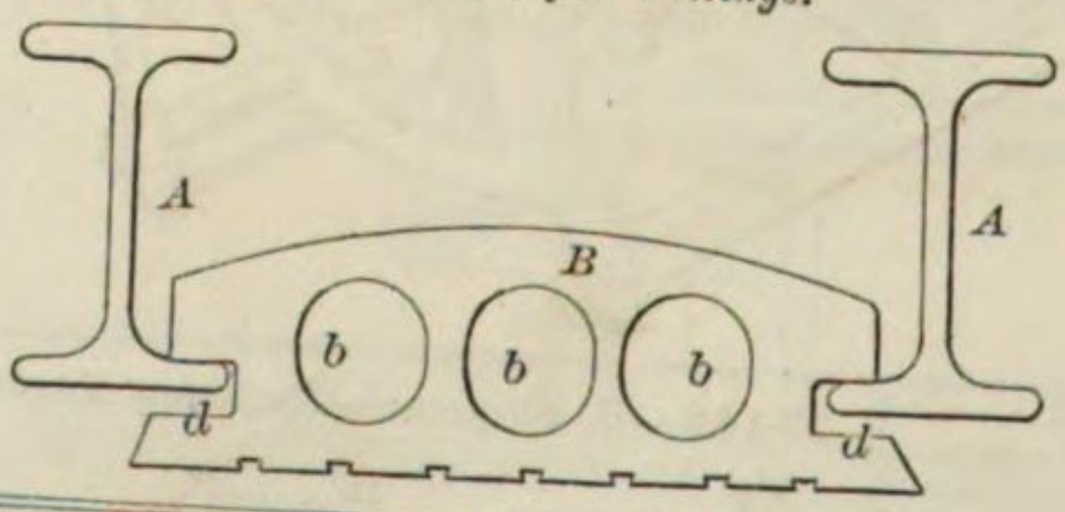
57449—J. M. Ward—*Hydrant.*



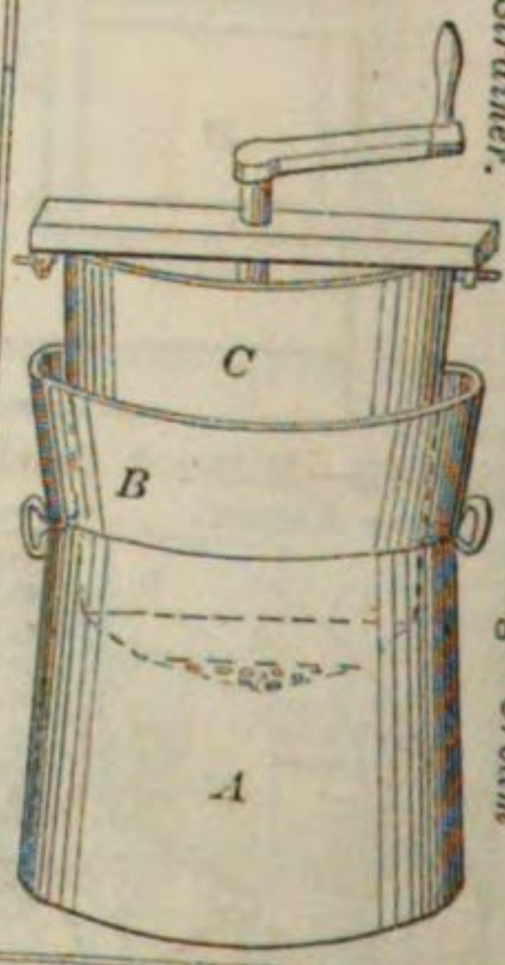
57451—J. M. Clements—*Sewing Machine for Stitching Button Holes.*

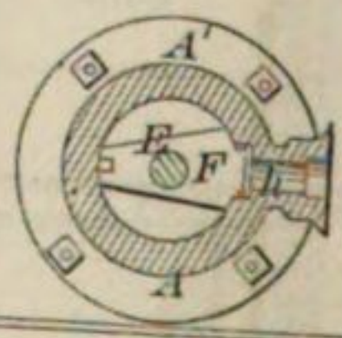


57450—M. Aborb—*Brick for Ceilings.*

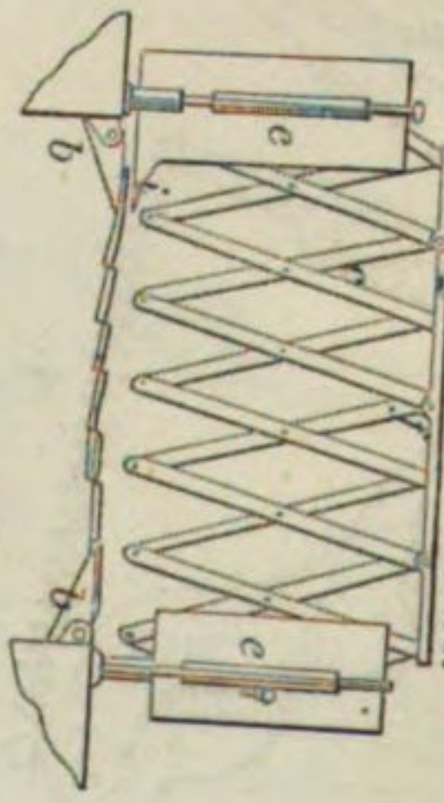


57452—Baker, Holmes & King—*Cream Strainer.*

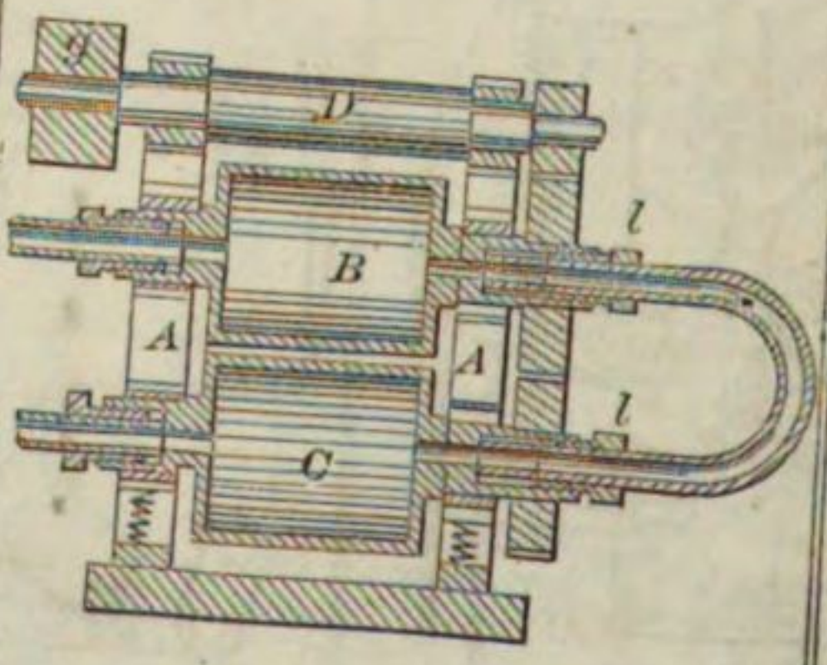




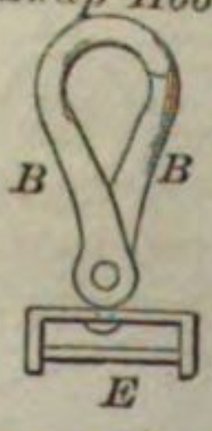
57453—Hempstead & Hills—*Safety Bridge for Railroad Cars.*



57455—W. Aiken—*Hosiery Ironing Machine.*

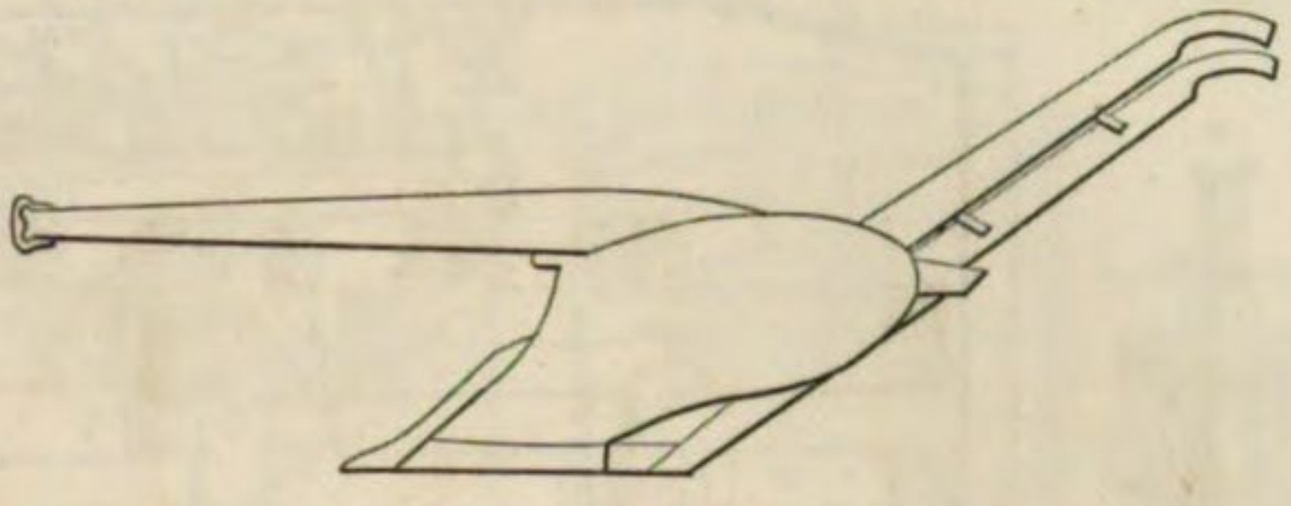


57456—C. H. Alsop—*Snap Hook.*

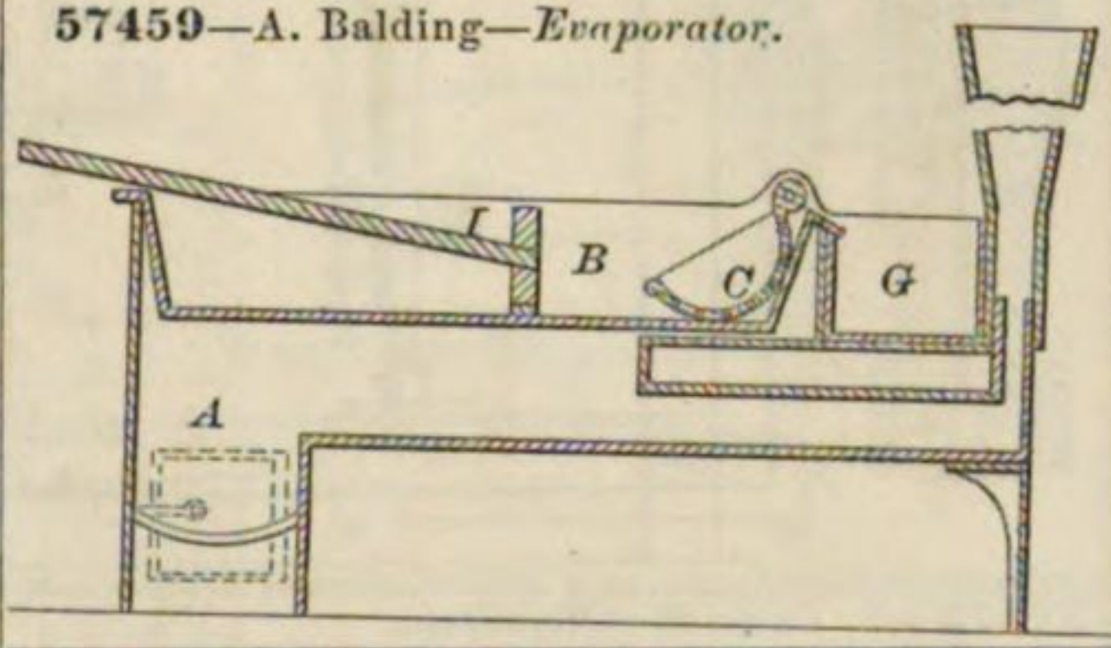


57457—C. Alvord—*Horse Collar.*

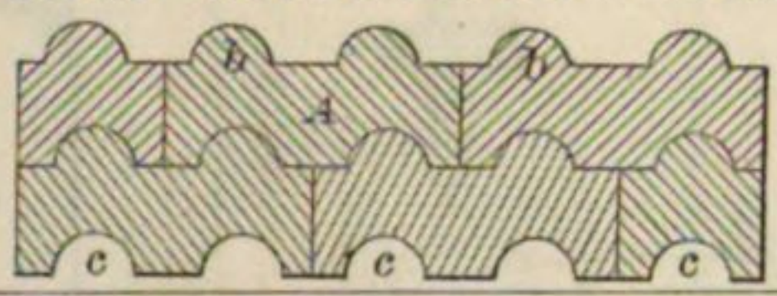
57463—G. A. Beard—*Mould Board for Plows.*



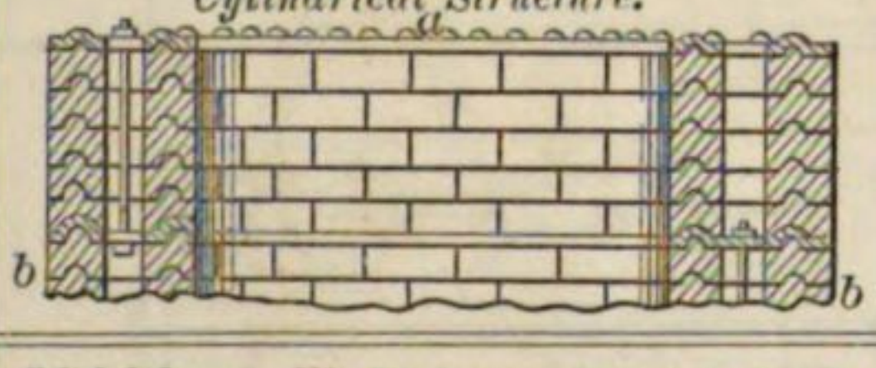
57459—A. Balding—*Evaporator.*



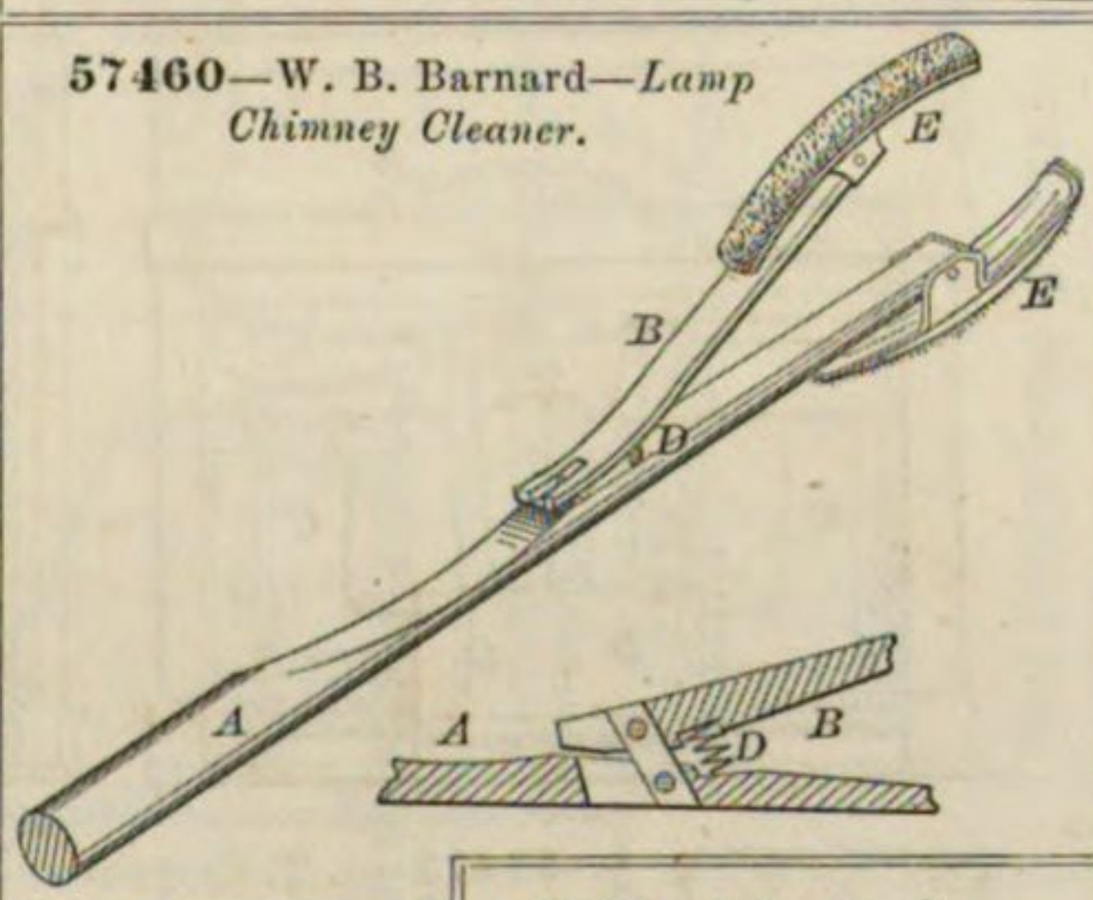
57461—Bartlett & Johnson—*Brick.*



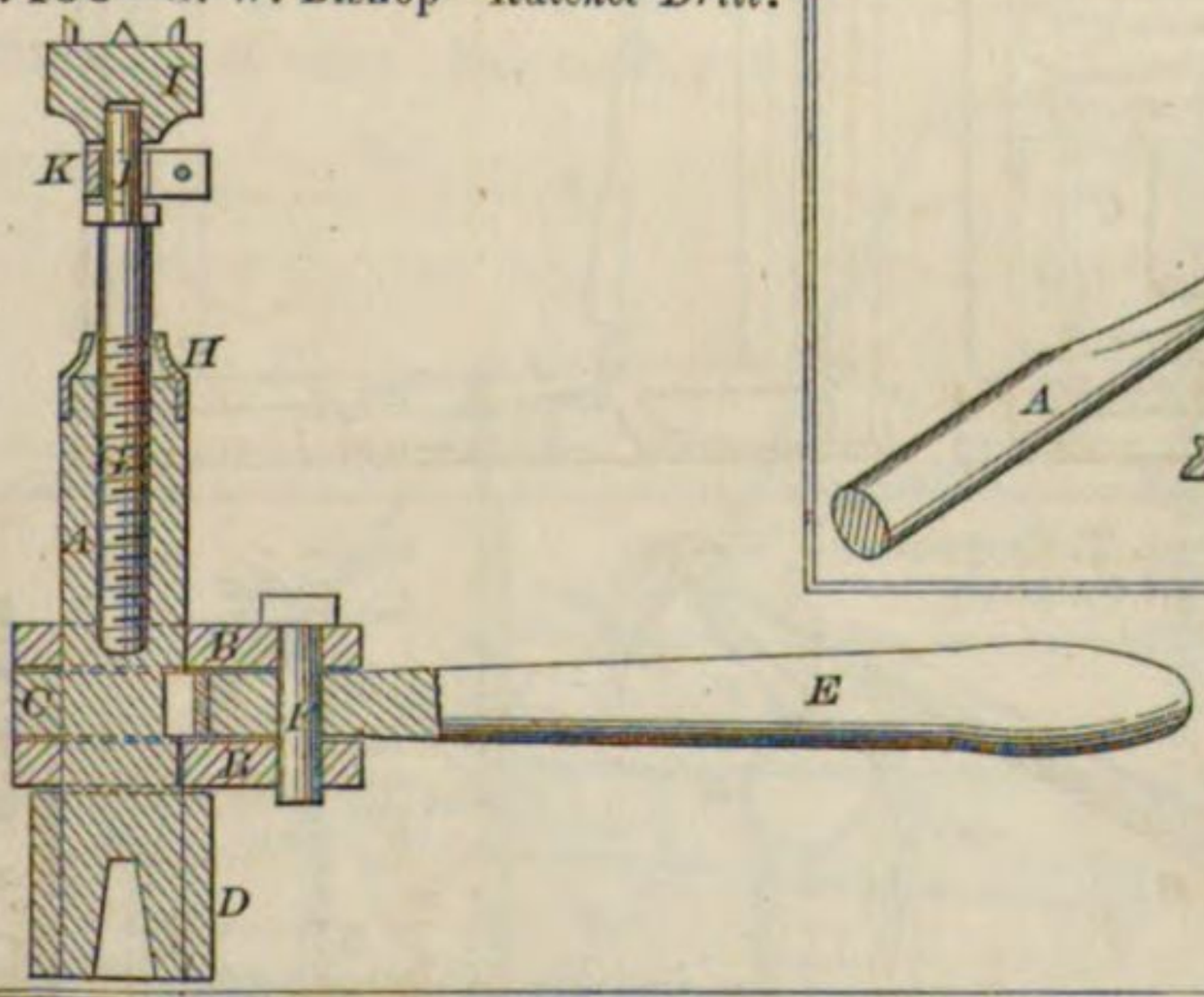
57462—Bartlett & Johnson—*Double Cylindrical Structure.*



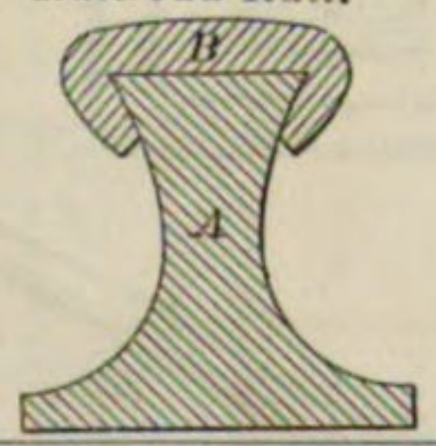
57460—W. B. Barnard—*Lamp Chimney Cleaner.*



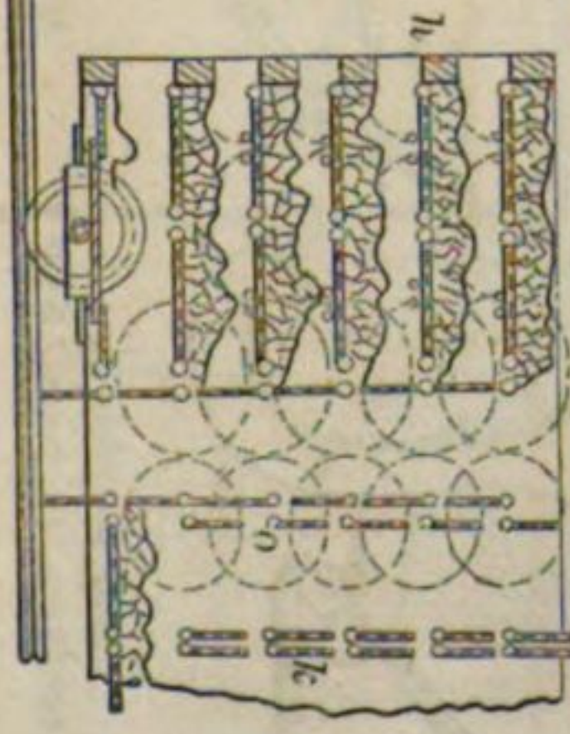
57466—G. W. Bishop—*Ratchet Drill.*



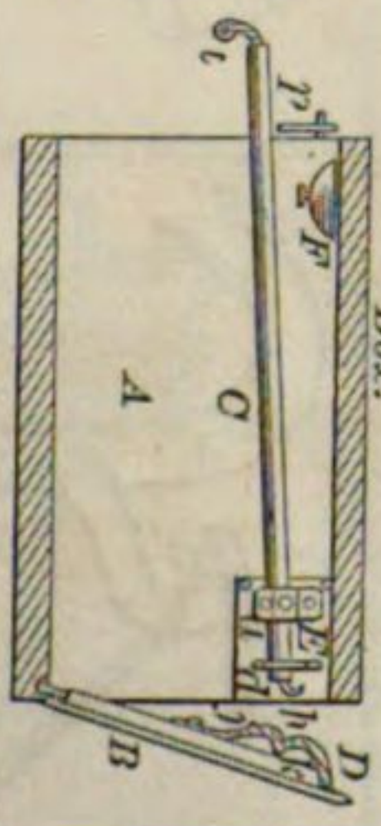
57467—J. L. Booth—*Railroad Rail.*



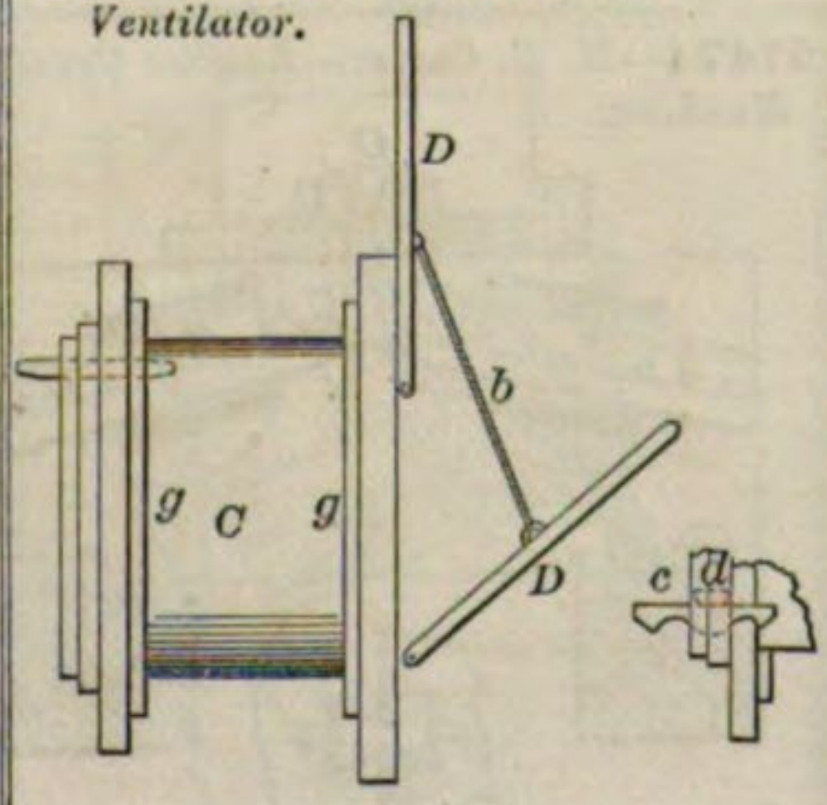
57469—H. Bradford—*For Drying Peat.*



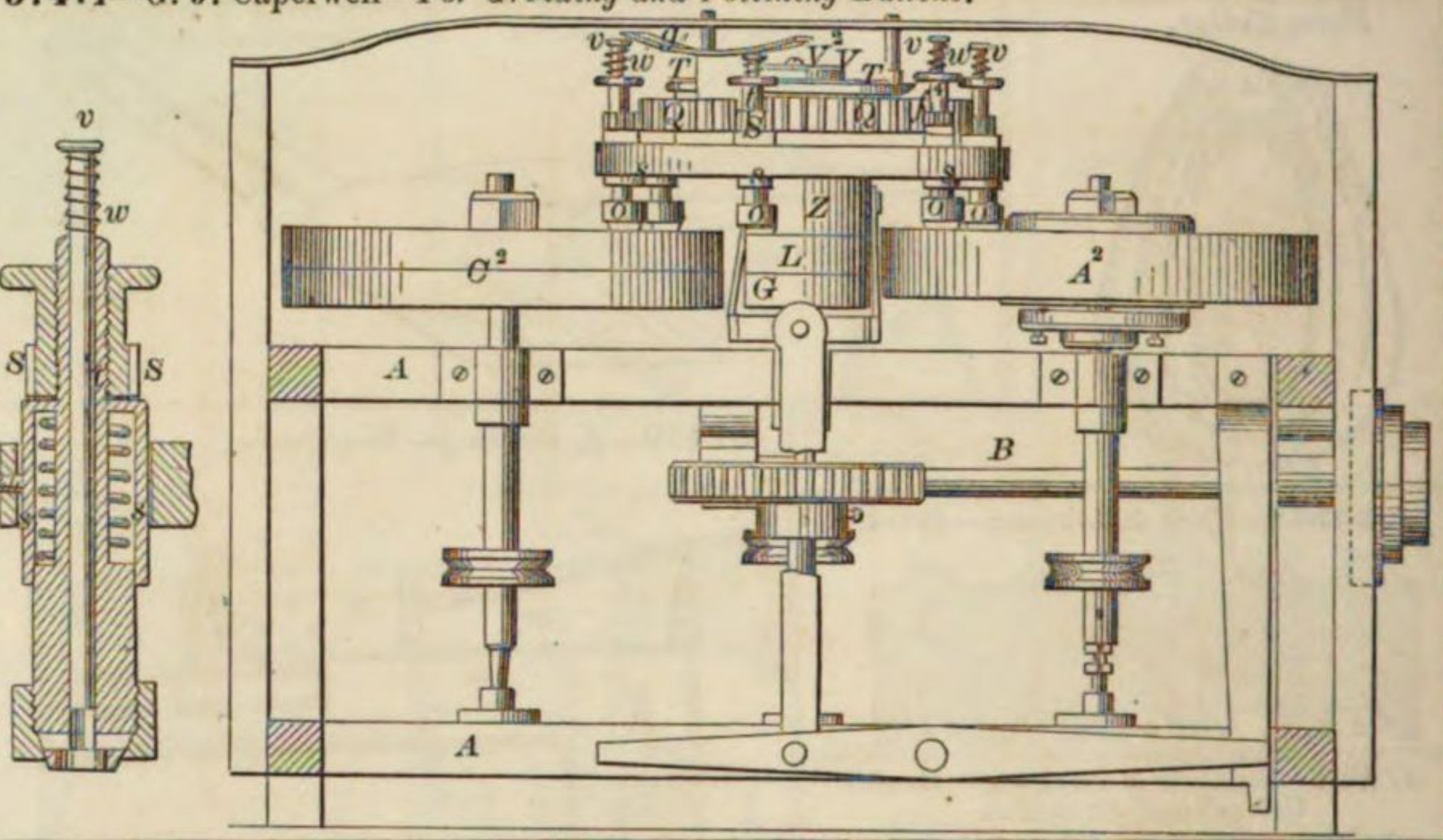
57464—J. H. Beidler—*Post Office Delivery Box.*



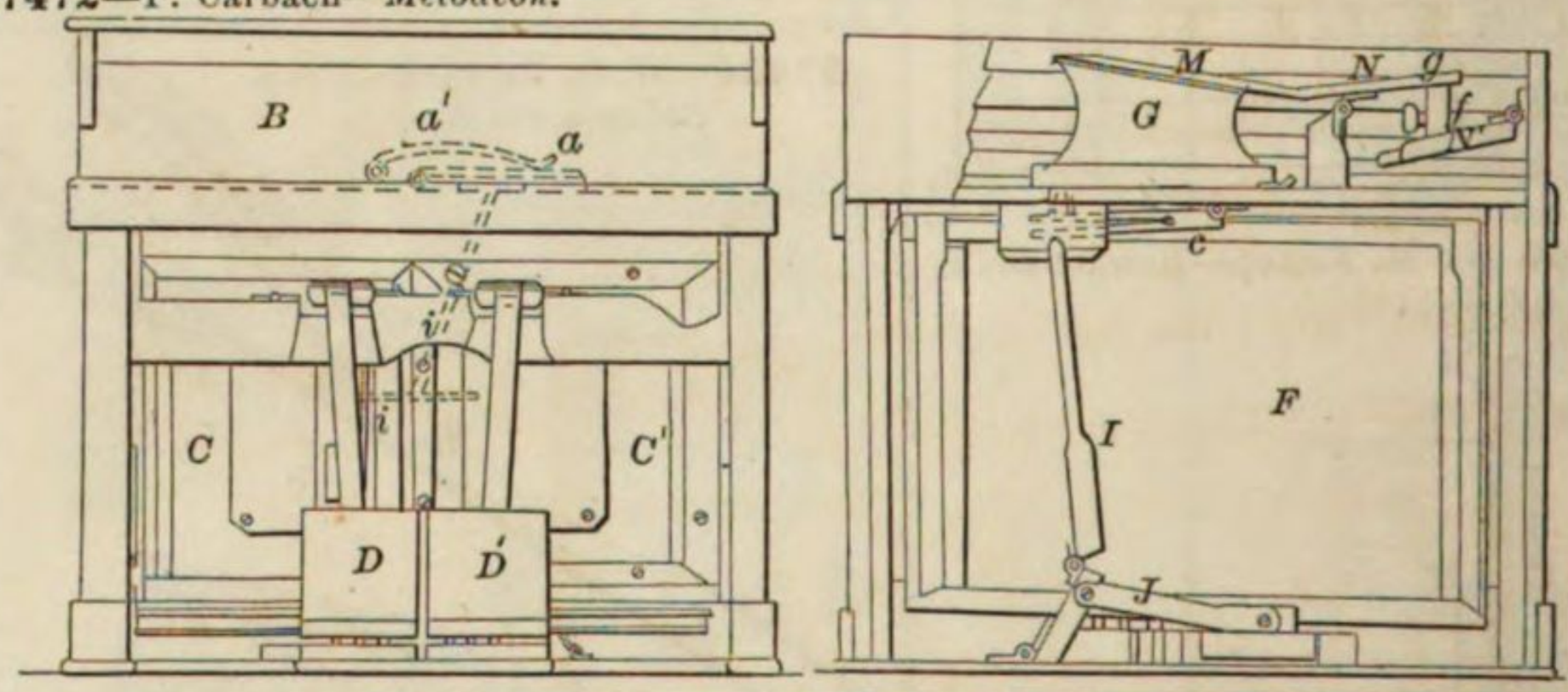
57470—J. A. Caldwell—*Car Ventilator.*



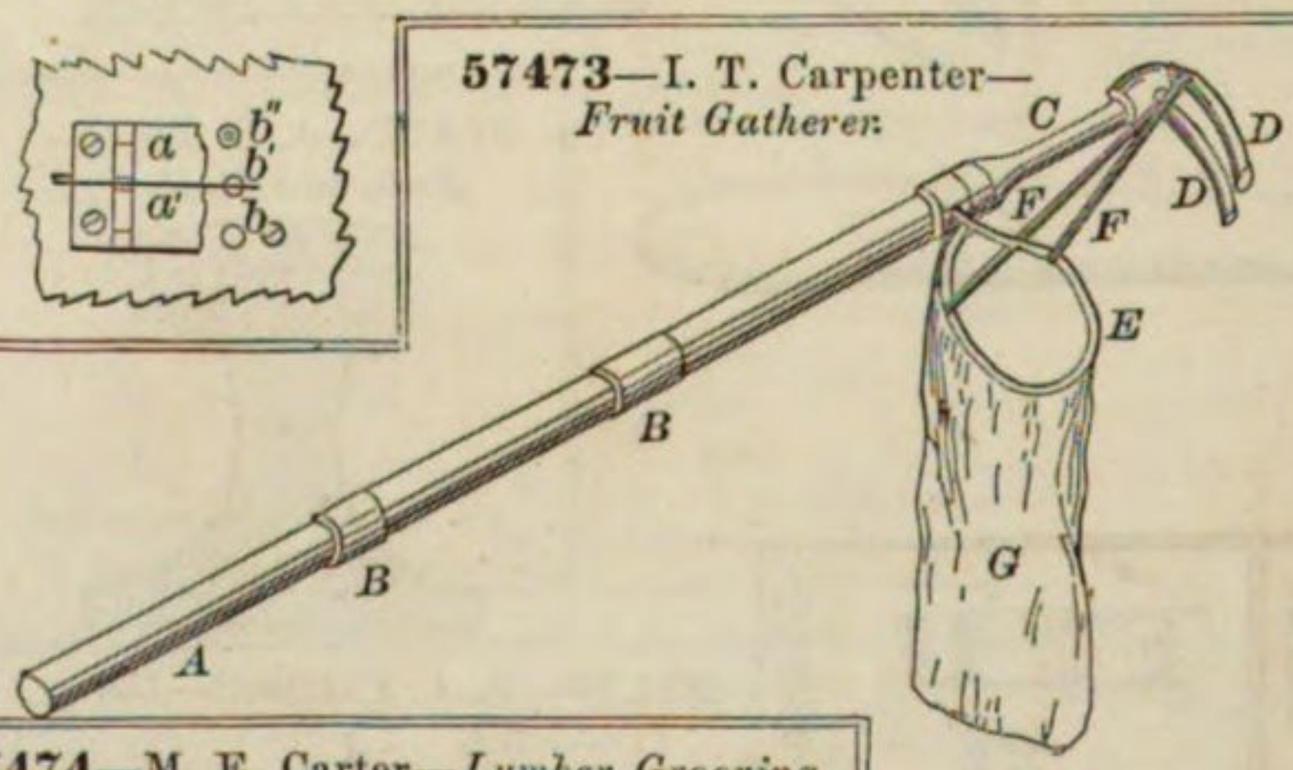
57471—G. J. Caperwell—*For Grinding and Polishing Buttons.*



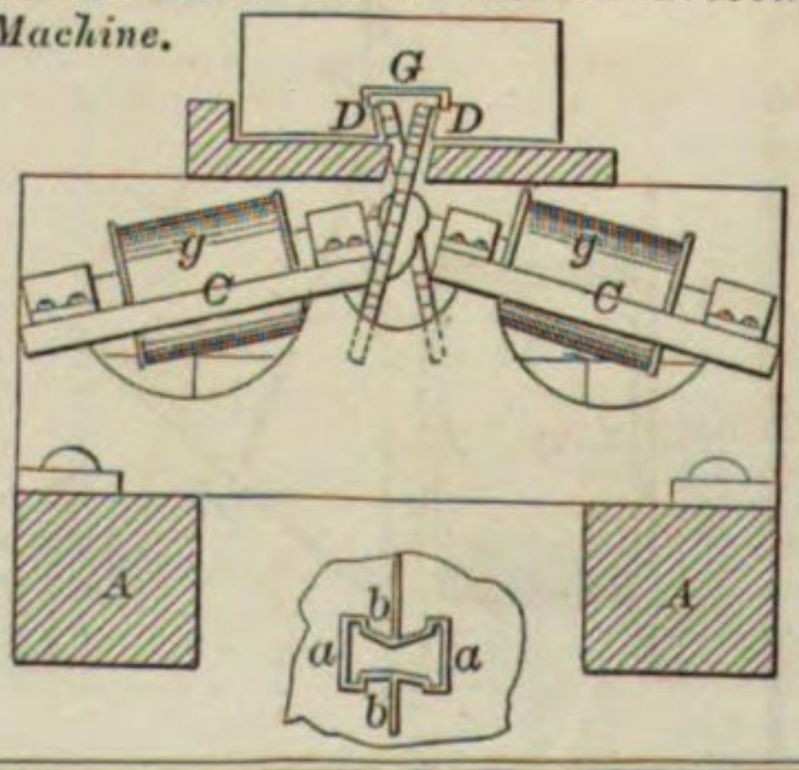
57472—P. Carbach—*Melodeon.*



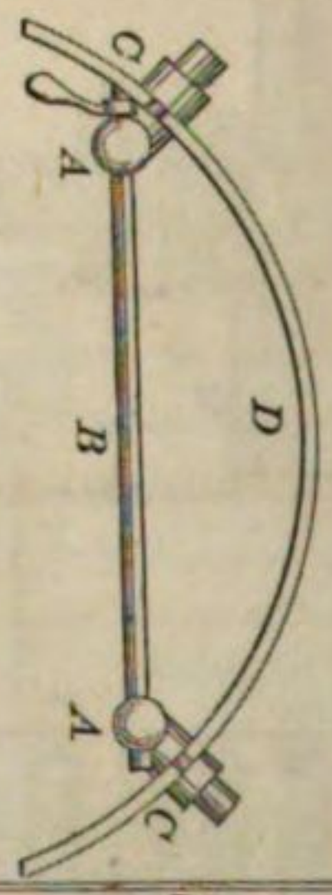
57473—I. T. Carpenter—*Fruit Gatherer.*



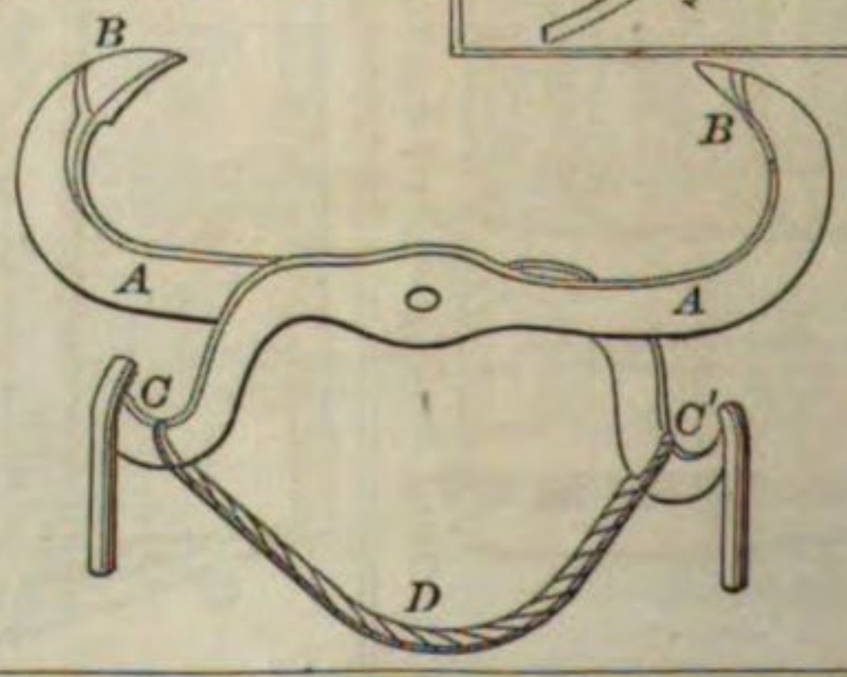
57474—M. E. Carter—*Lumber Grooving Machine.*



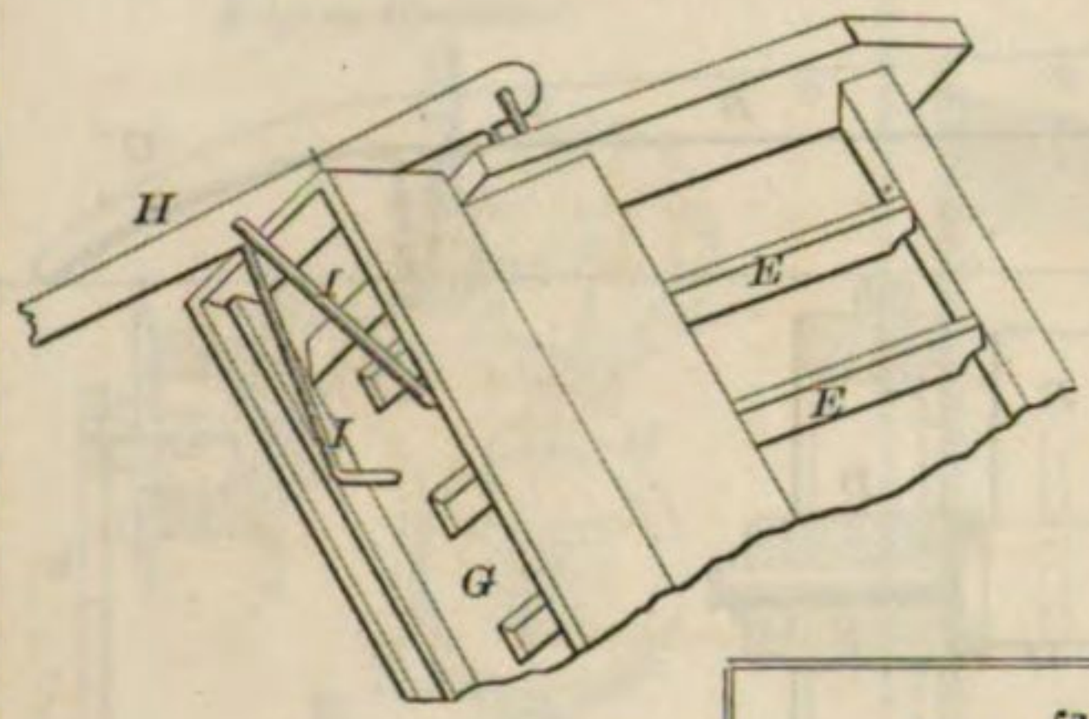
57475—H. W. Caswell—*For Shrinking Tires.*



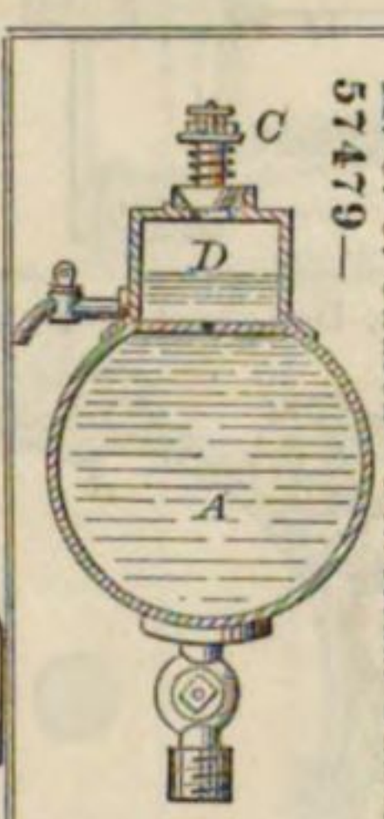
57476—J. H. Chapman—*Grappling Iron.*



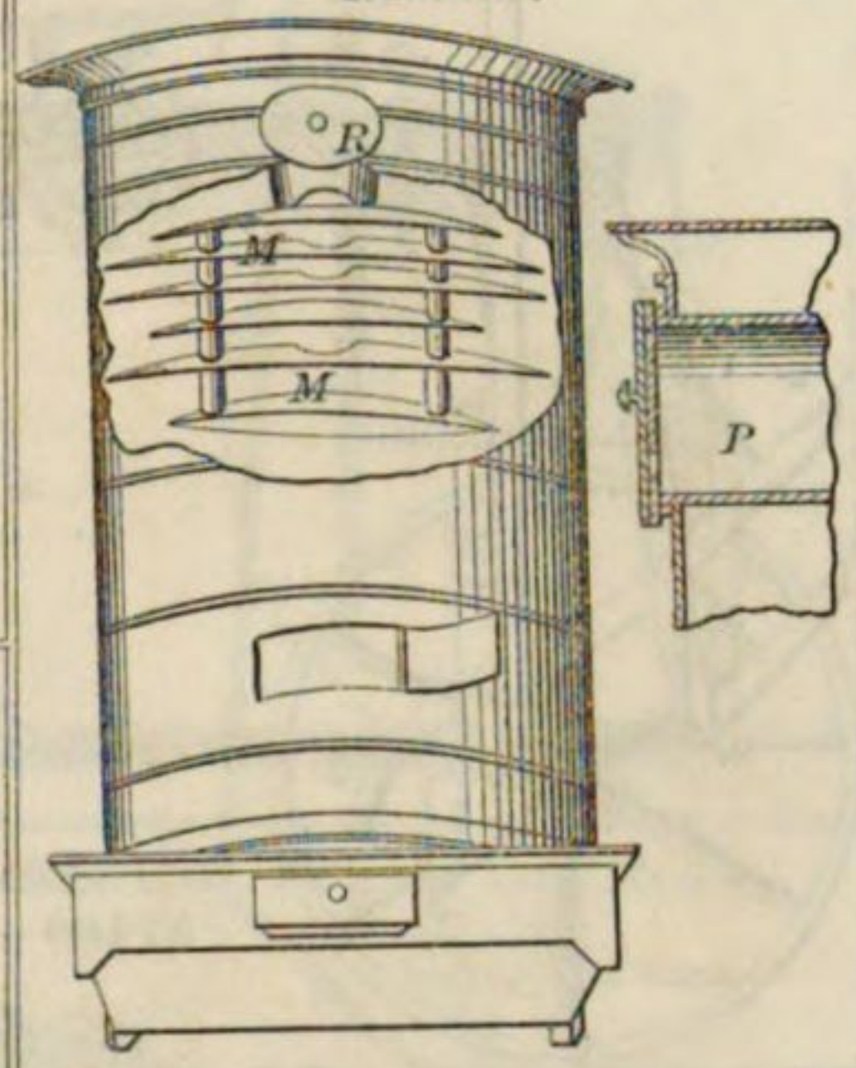
57477—R. Chesnut—*Feeding Trough.*



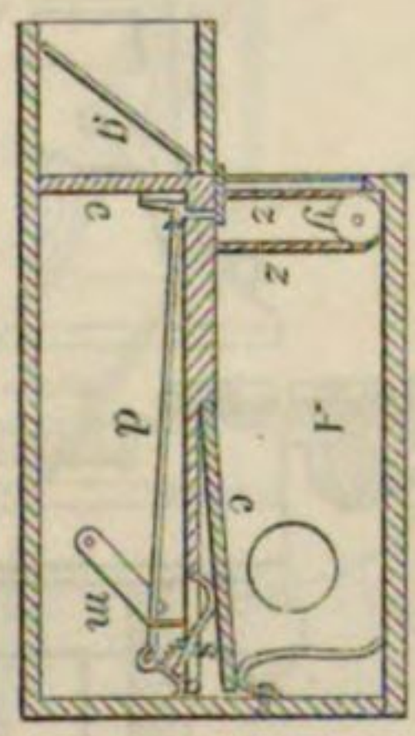
57479—M. C. C. Church—*Petroleum Tank.*



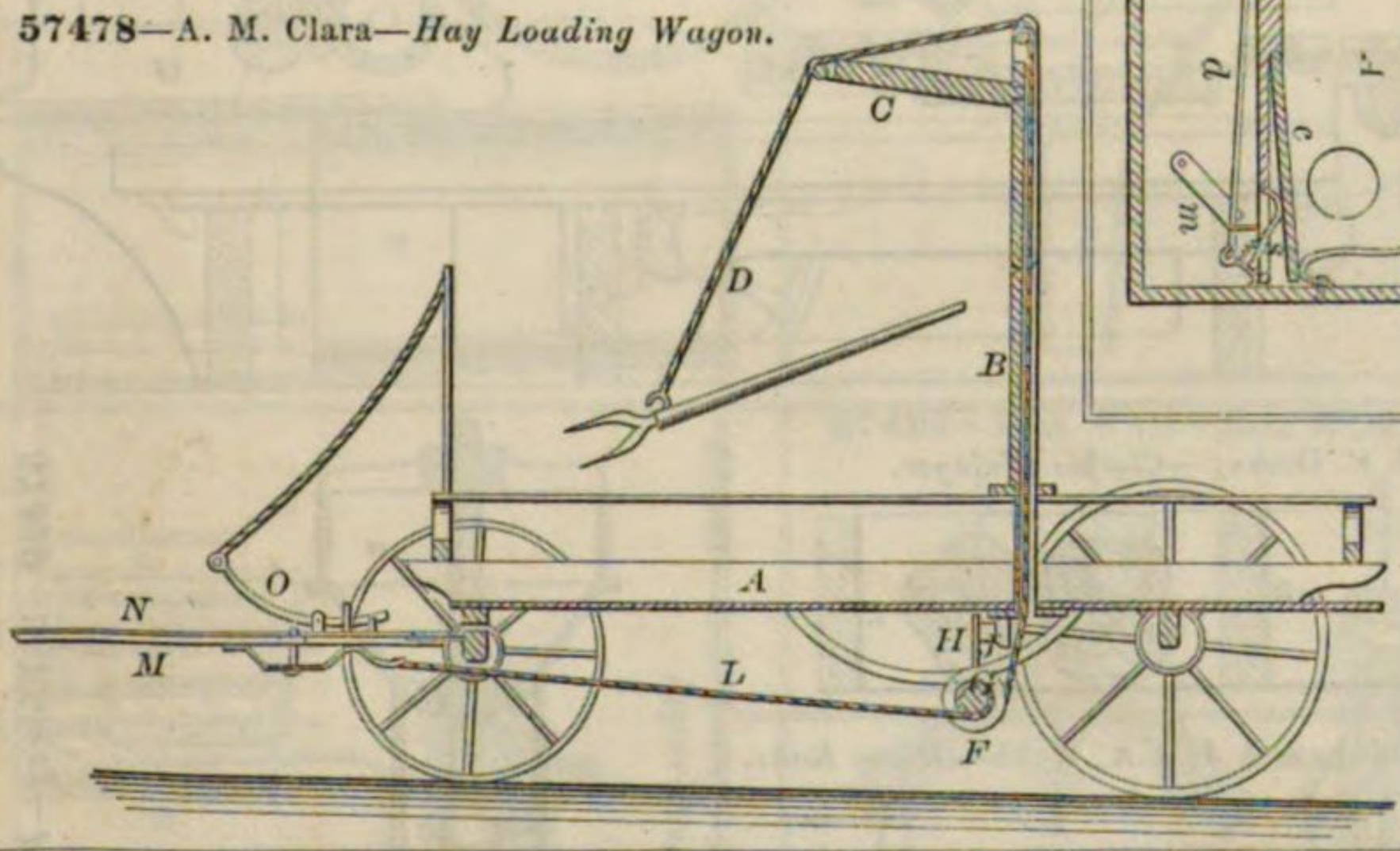
57481—Conver & Bothwick—*Heat Radiator.*



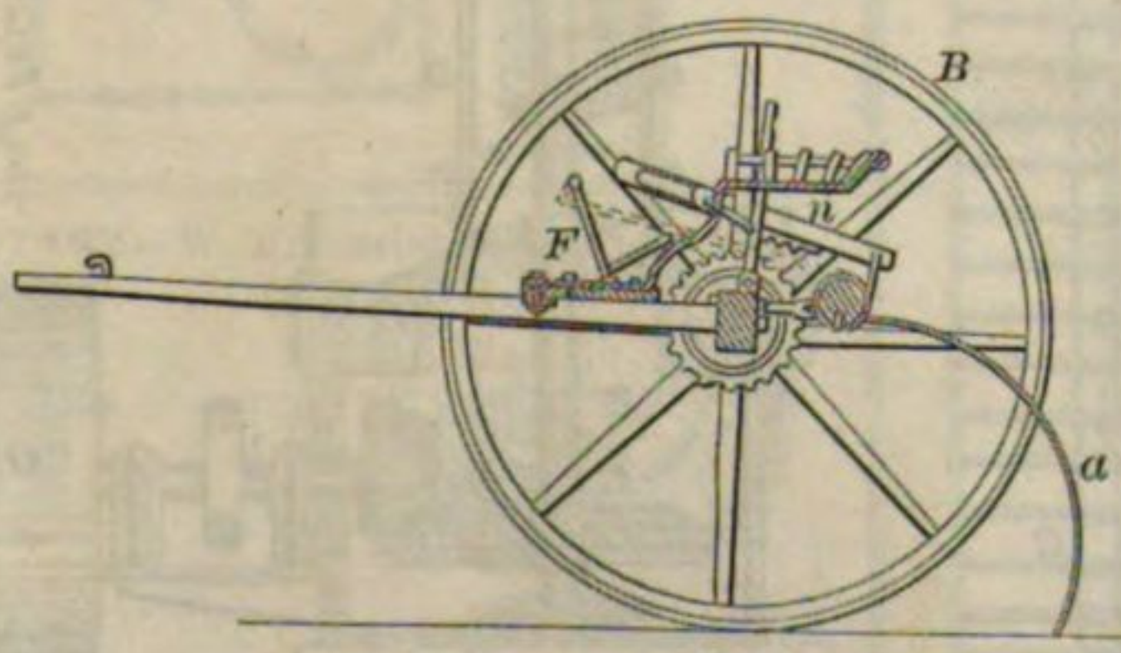
57480—D. Cole—*Animal Trap.*



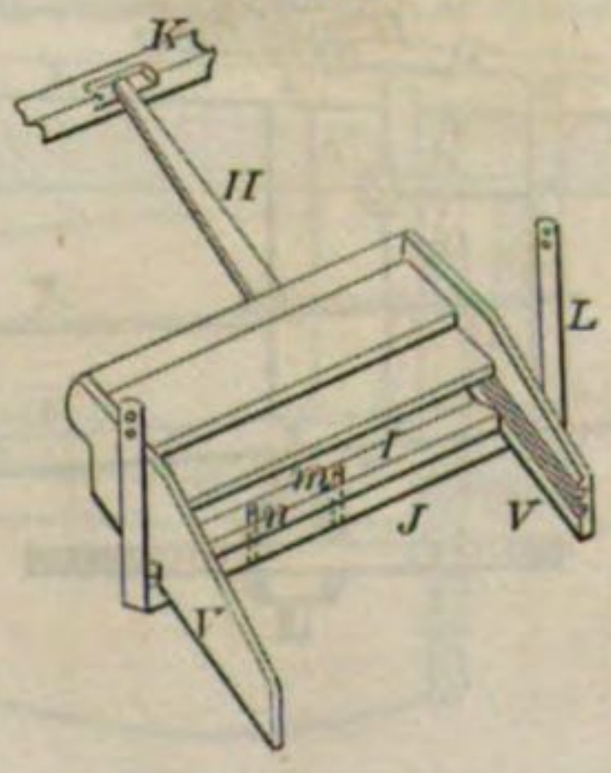
57478—A. M. Clara—*Hay Loading Wagon.*



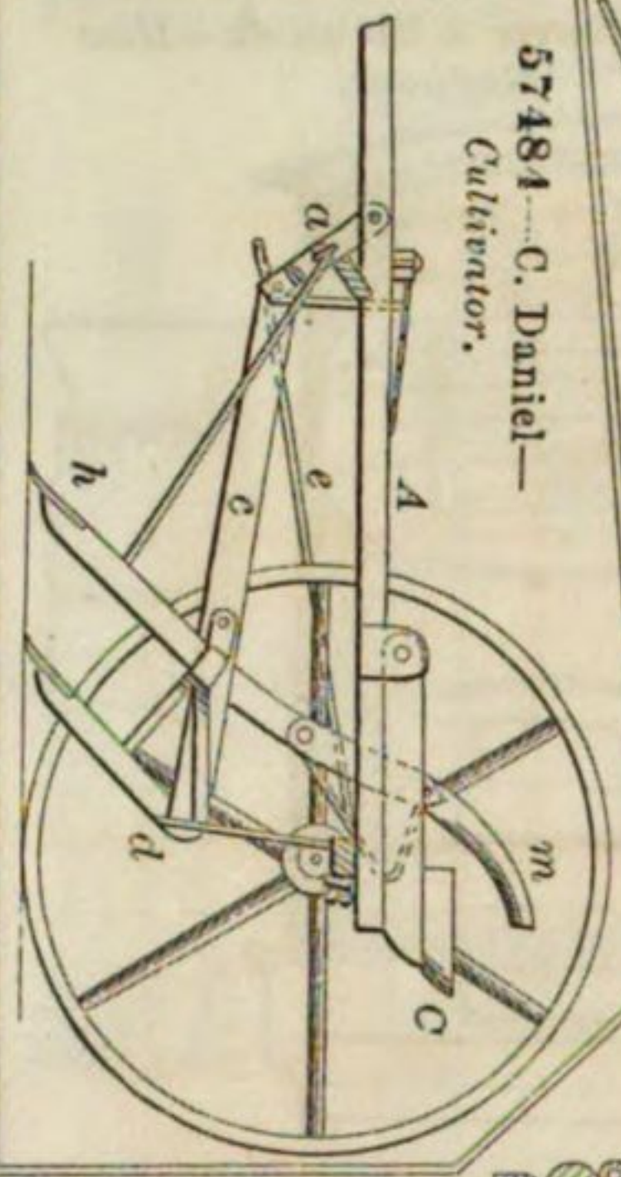
57482—Curtis & Roberts—*Horse Rake.*



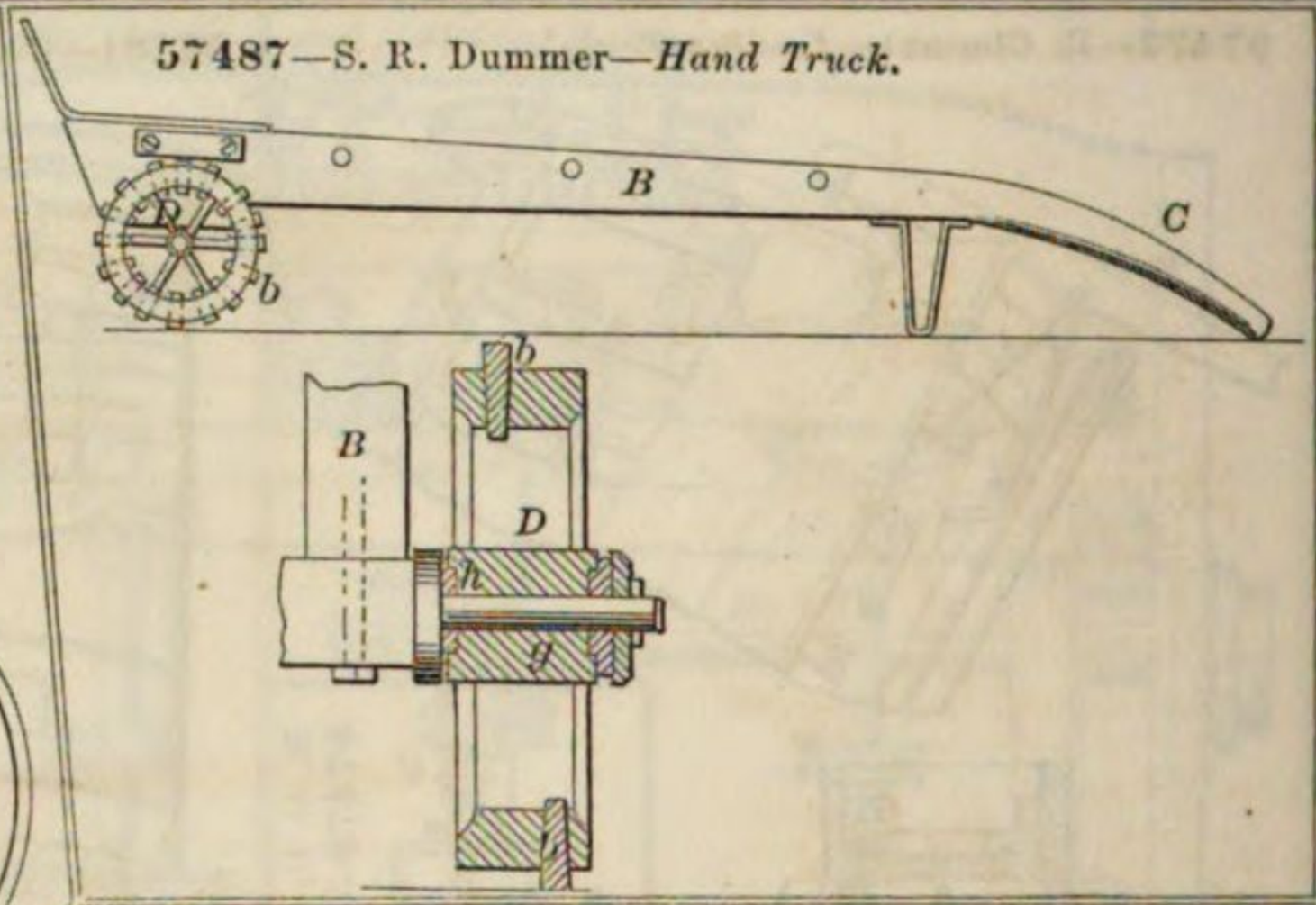
57483—H. W. Curtis—*Fanning Mill.*



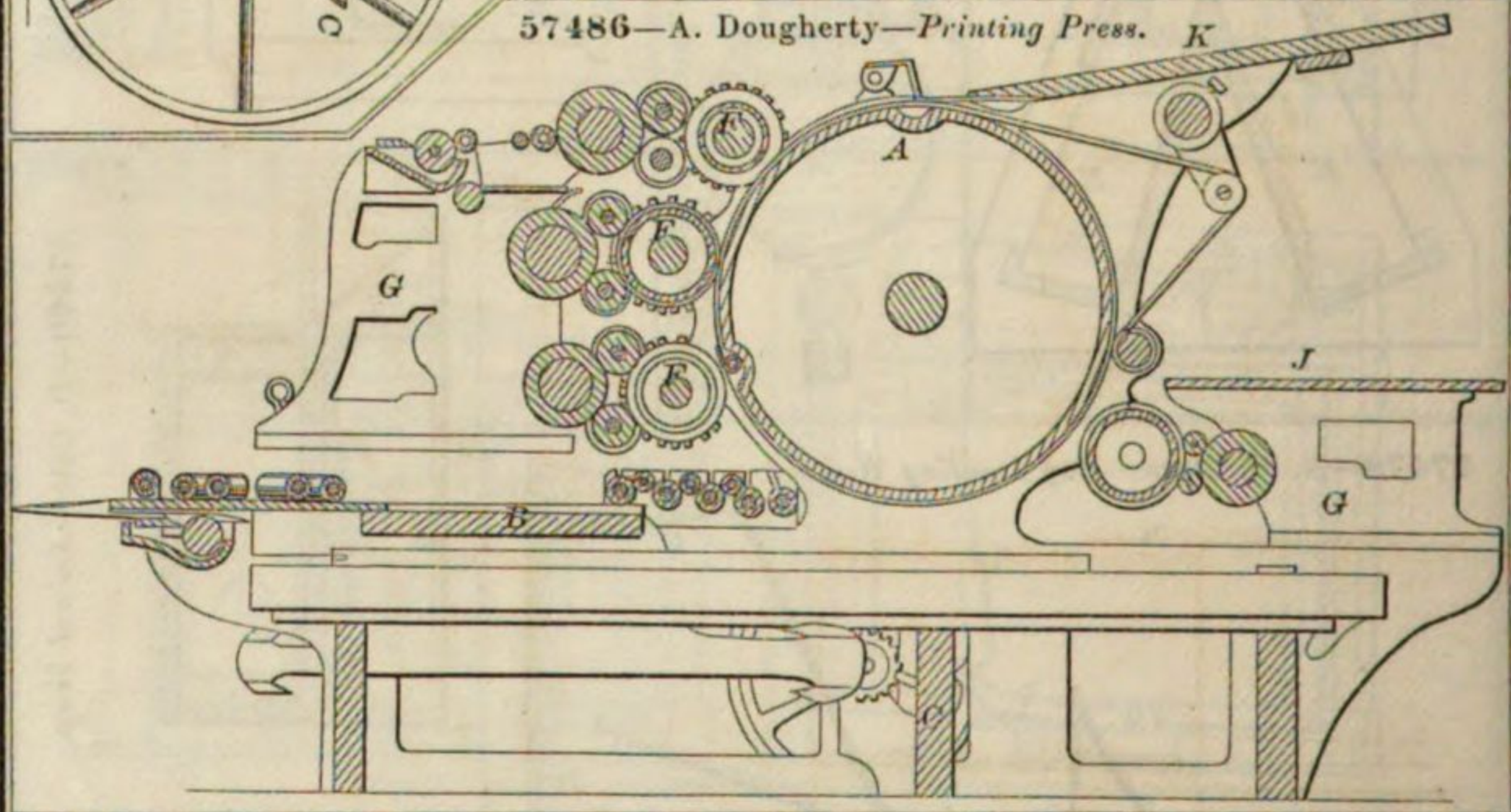
57484—C. Daniel—*Cultivator.*



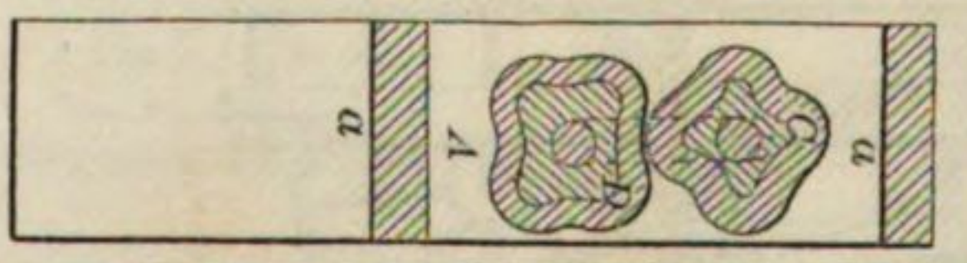
57487—S. R. Dummer—*Hand Truck.*



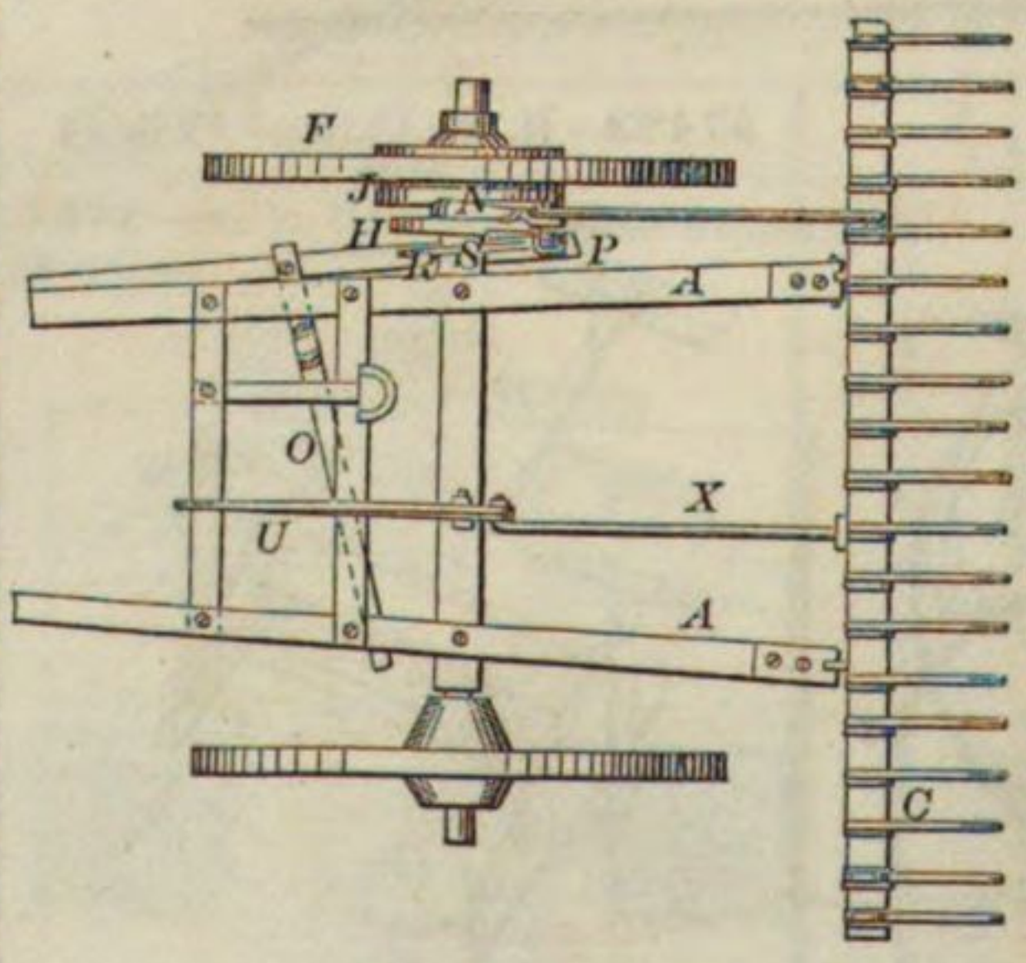
57486—A. Dougherty—*Printing Press.*



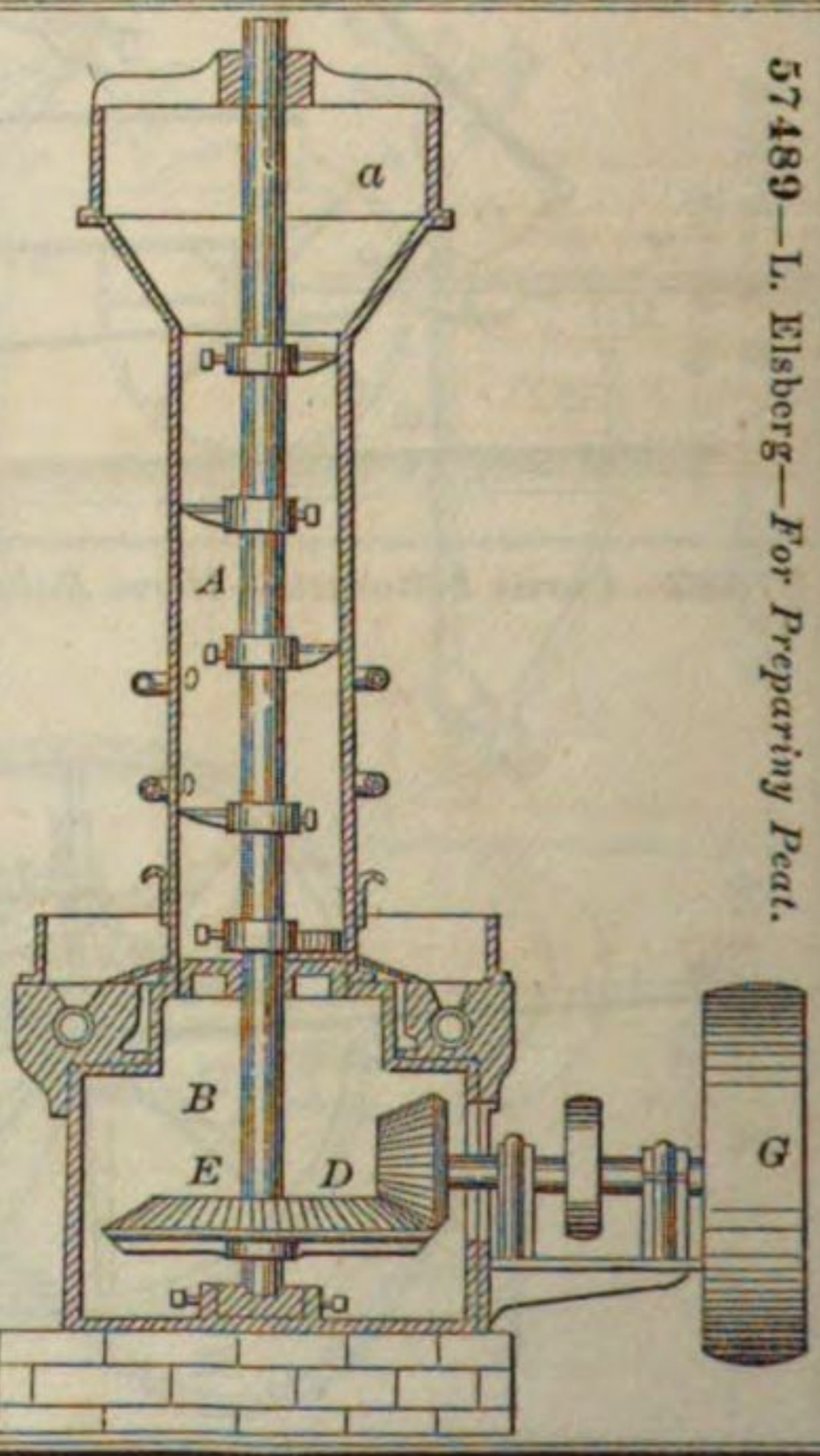
57485—J. C. Dickey—*Clothes Wringer.*



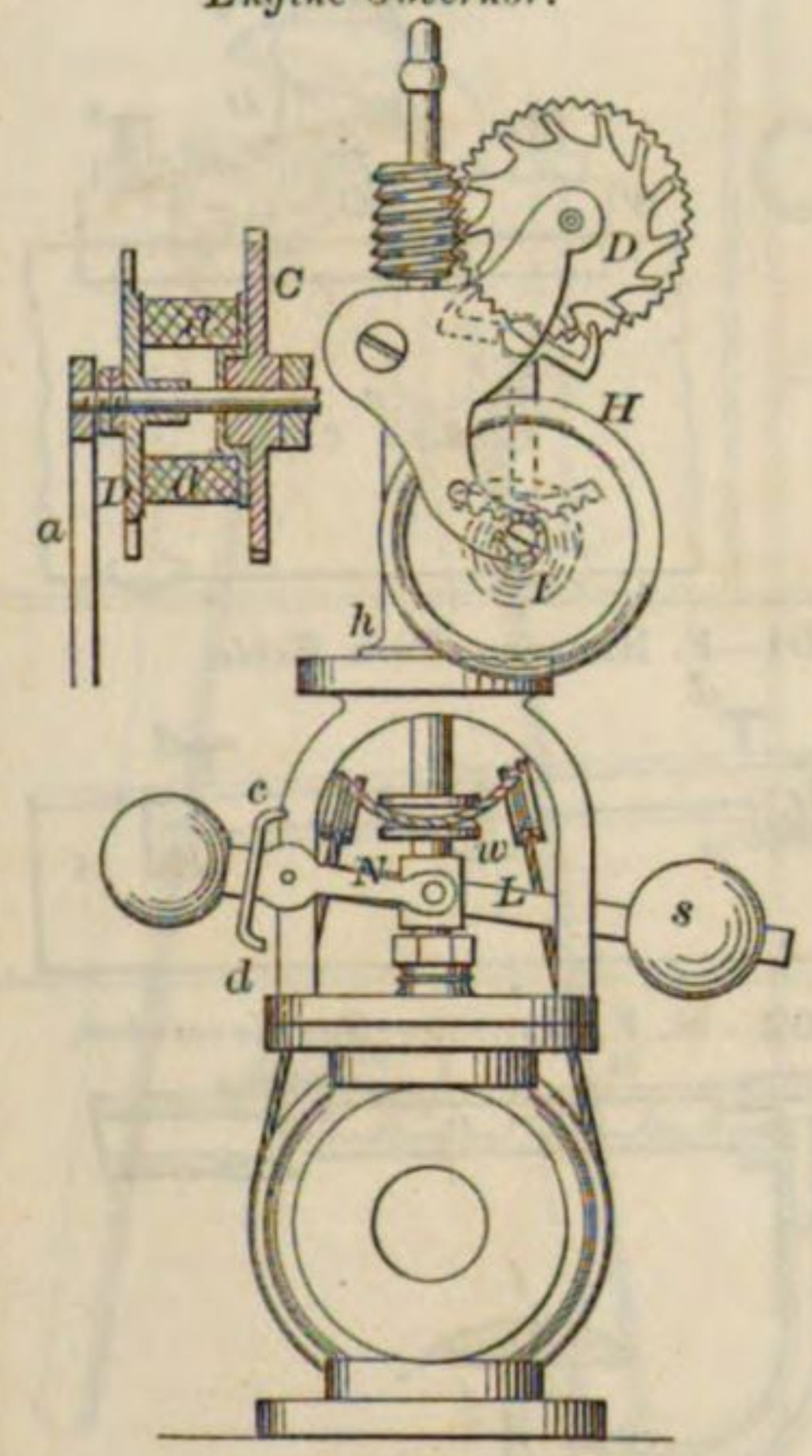
57488—Dunham & J. & A. Webb—*Horse Rake.*



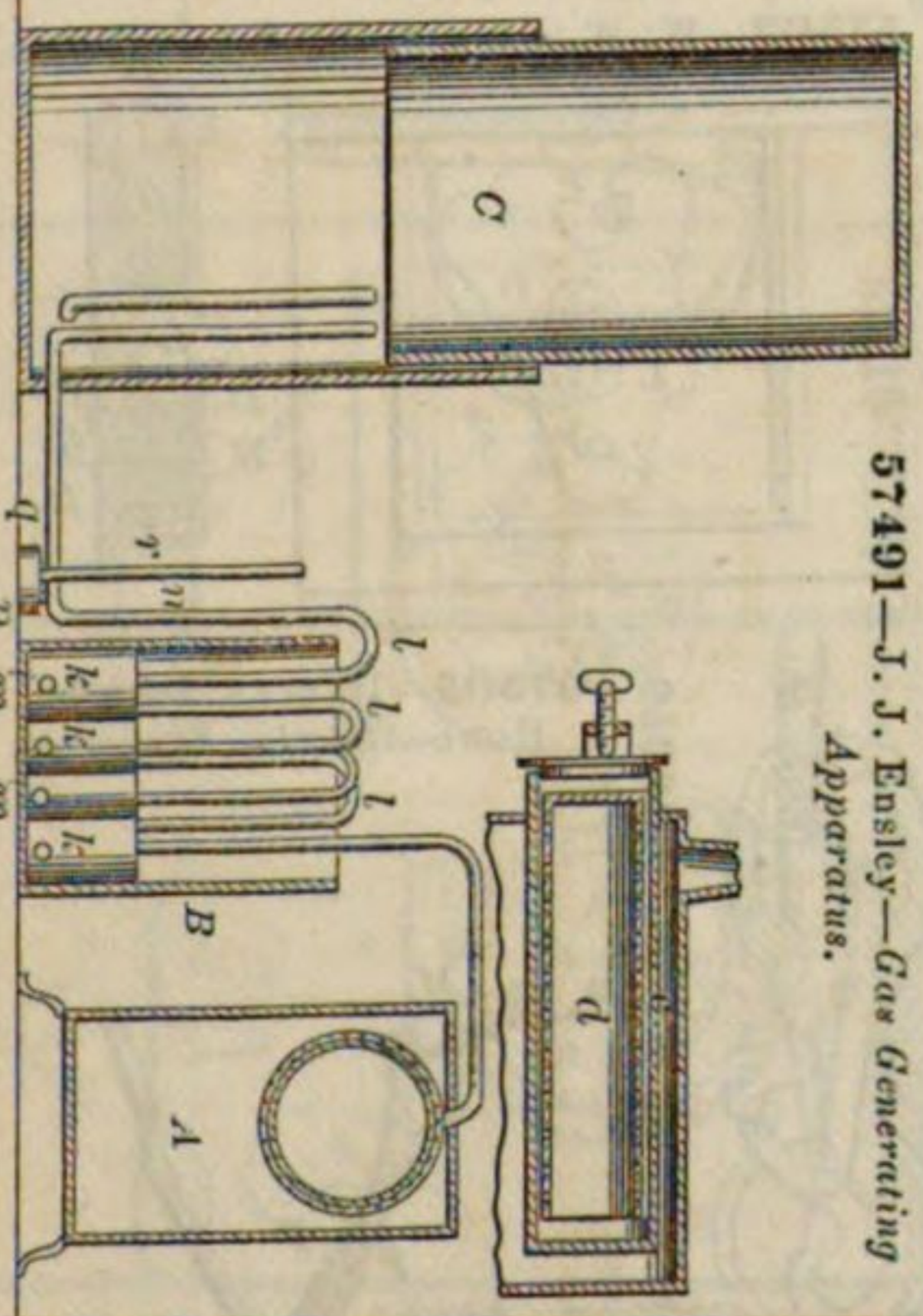
57489—L. Elsberg—*For Preparing Peat.*



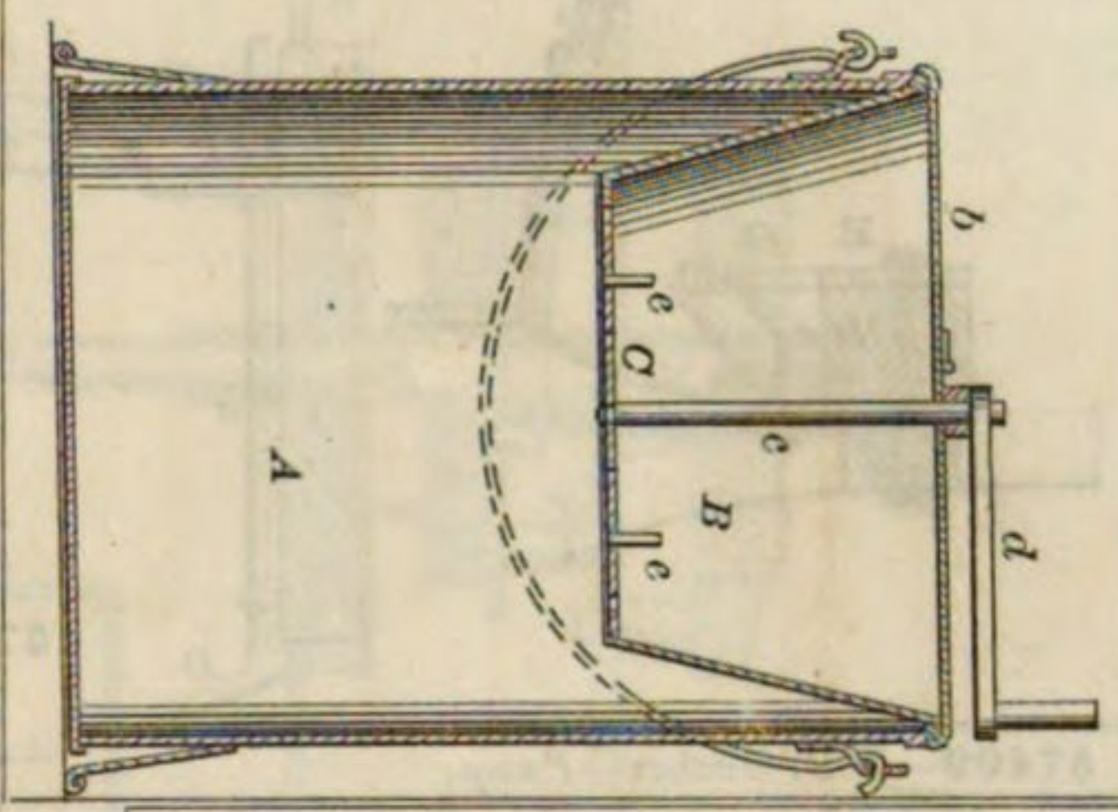
57490—R. Eickemeyer—*Steam Engine Governor.*



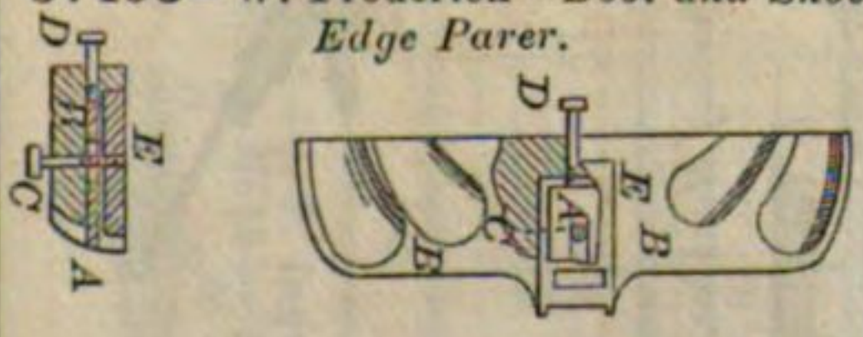
57491—J. J. Ensley—*Gas Generating Apparatus.*



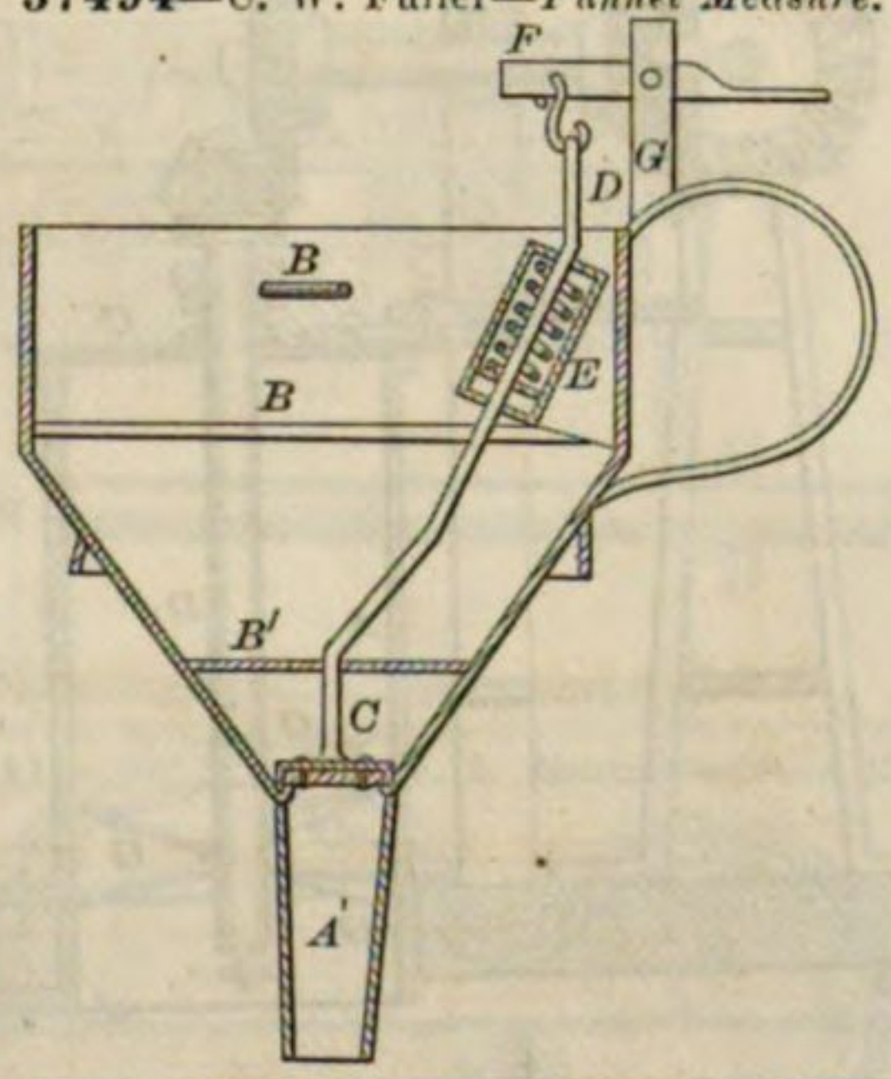
57492—W. R. Evans—*Coal and Ash Sifter.*



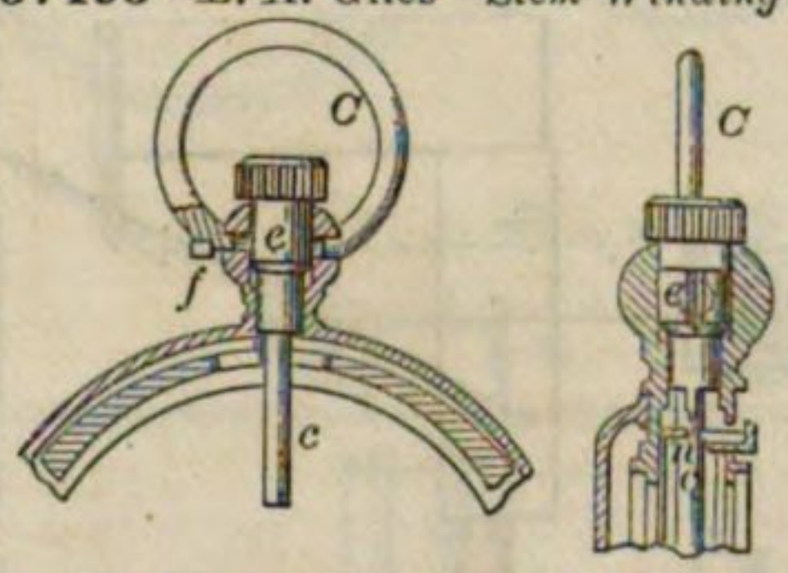
57493—W. Frederick—*Boot and Shoe Edge Parer.*



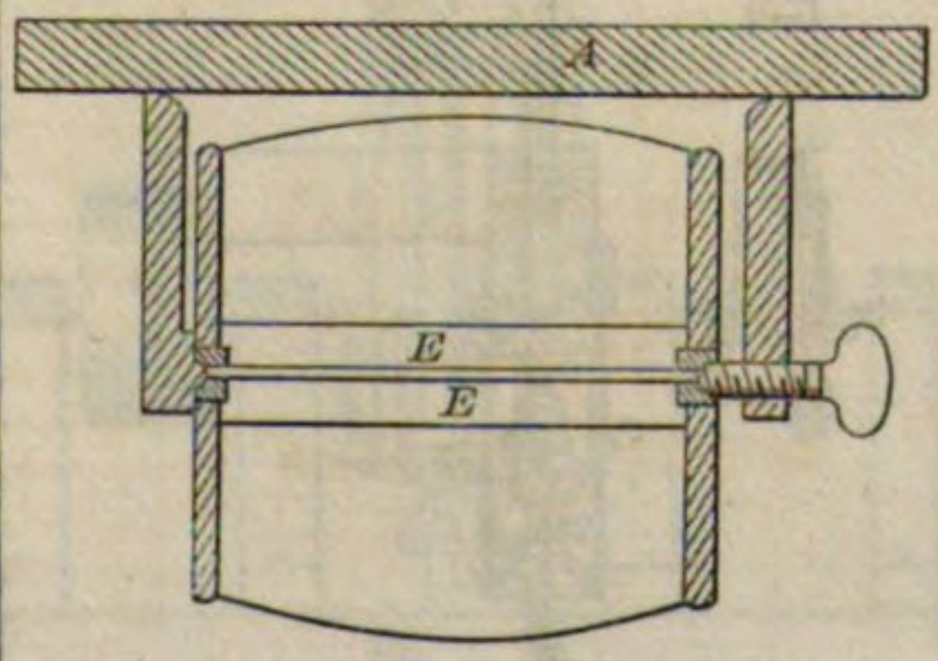
57494—C. W. Fuller—*Funnel Measure.*



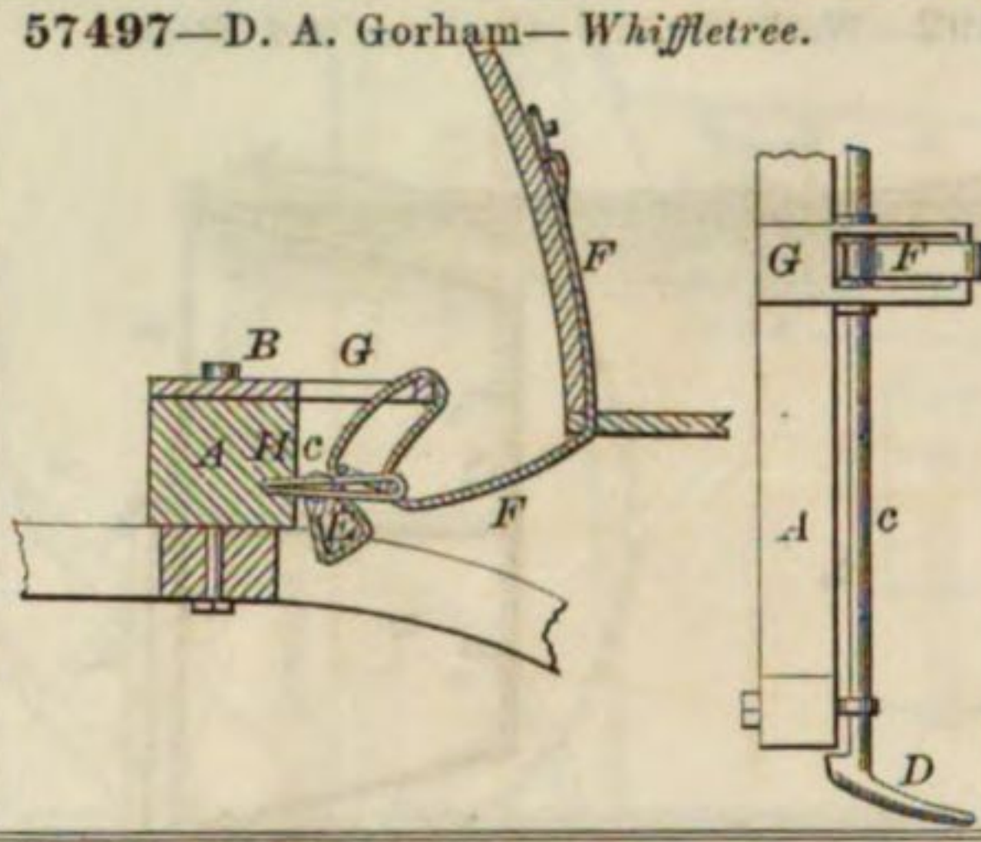
57495—E. A. Giles—*Stem Winding Watch.*



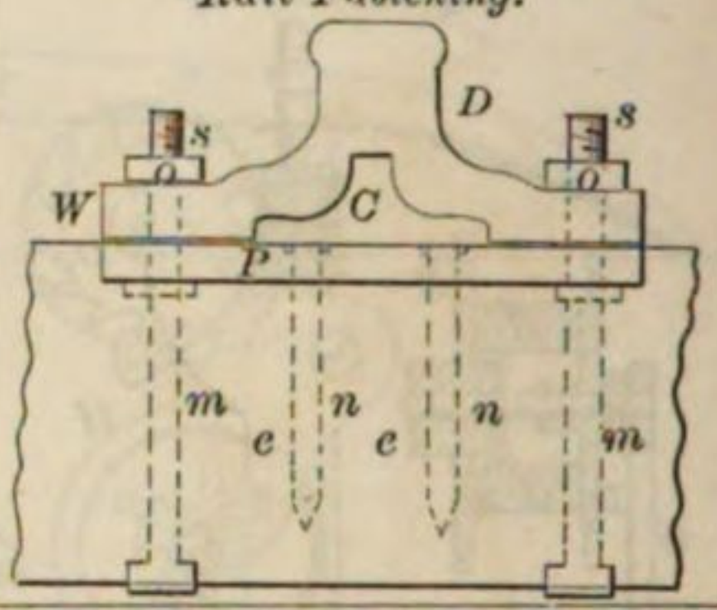
57496—G. P. Goodwin—*Twine Spool Stand.*



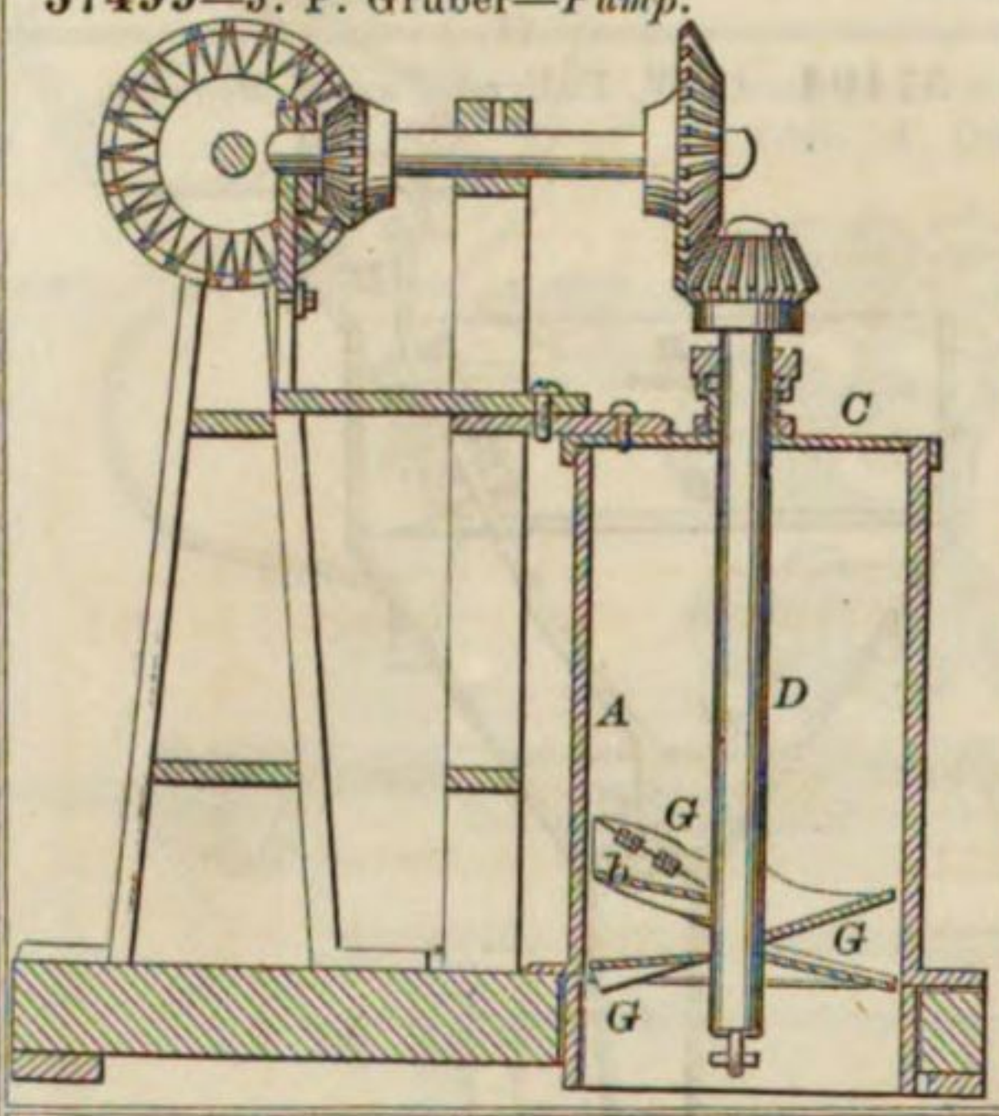
57497—D. A. Gorham—*Whiffletree.*



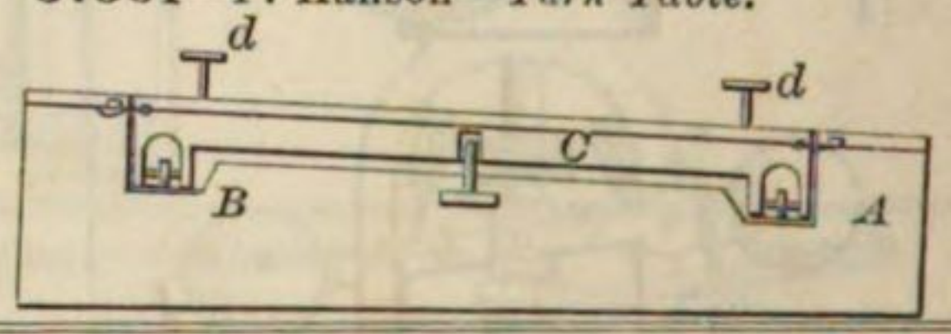
57498—E. B. Graff—*Railroad Rail Fastening.*



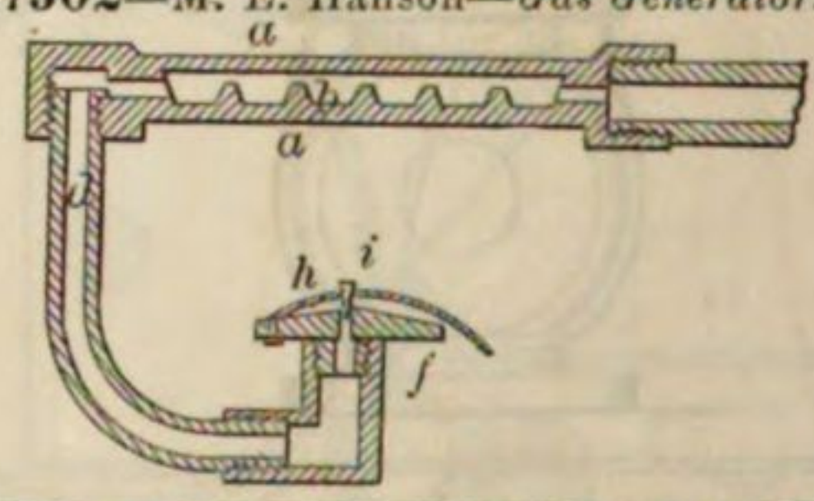
57499—J. P. Gruber—*Pump.*



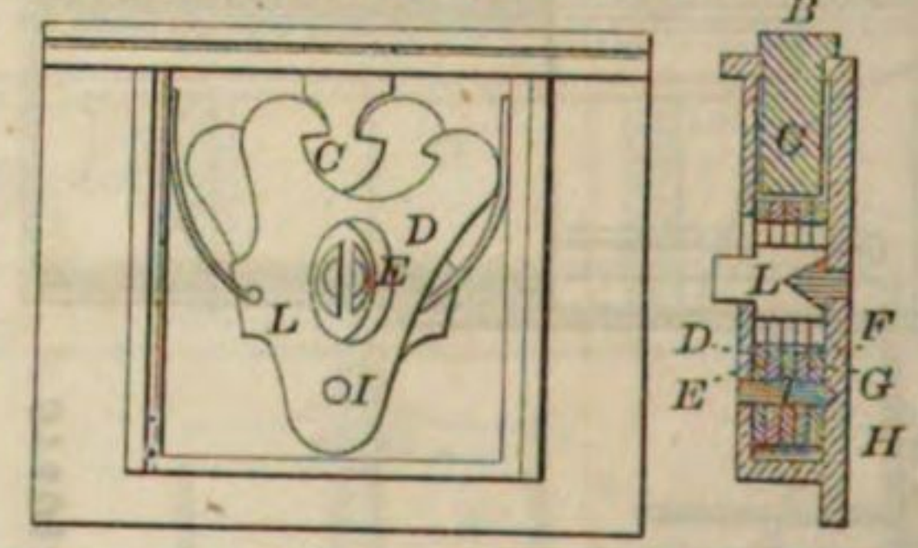
57501—F. Hanson—*Turn Table.*



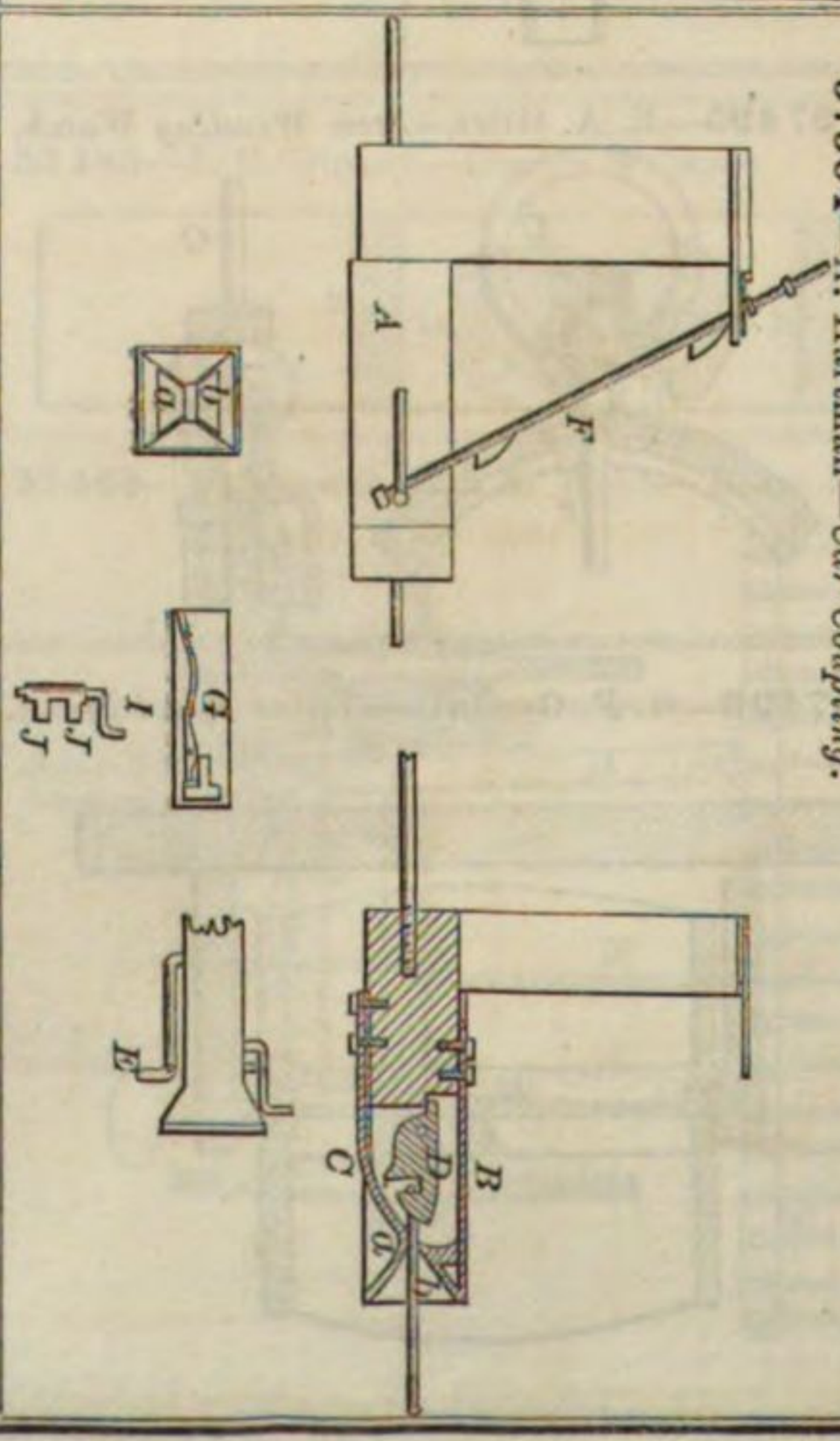
57502—M. E. Hanson—*Gas Generator.*



57503—W. W. Harder—*Lock.*

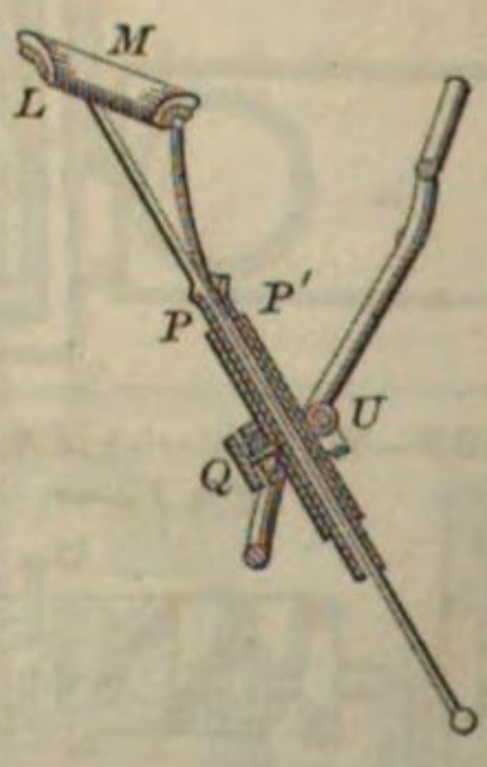


57504—A. Hartman—*Car Coupling.*

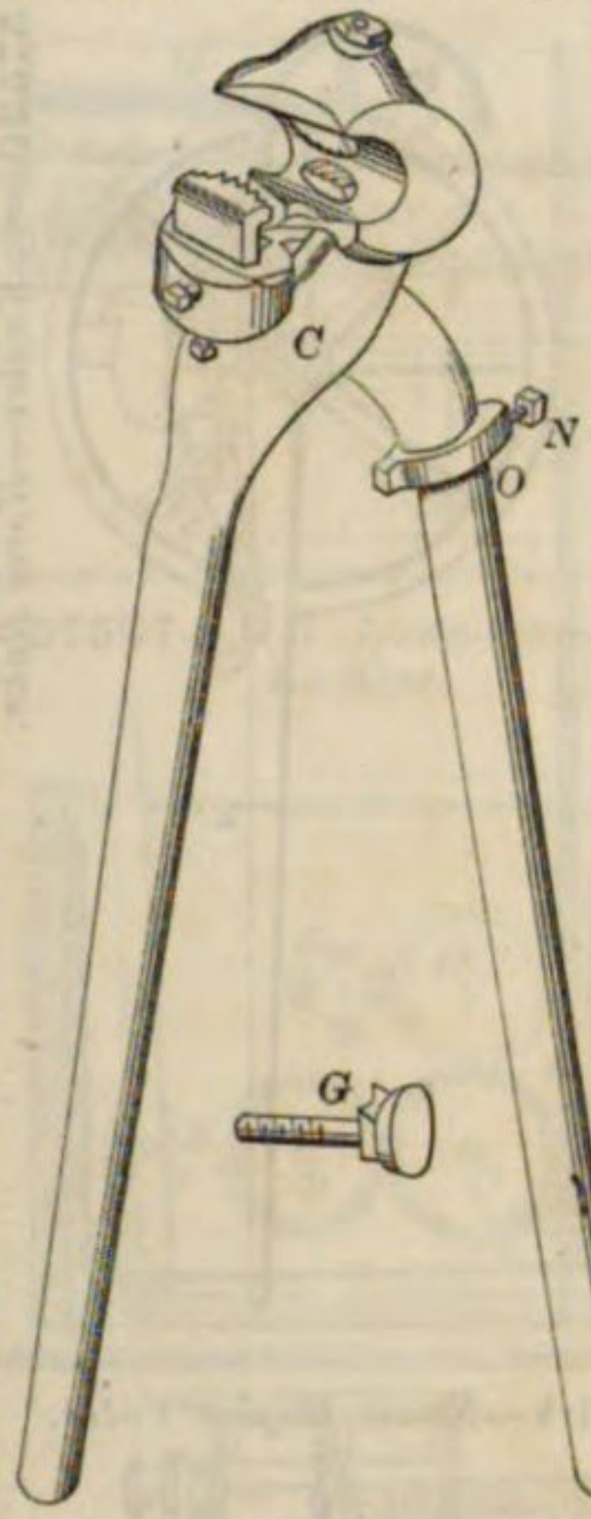


57500—Halsey & Fitzgibbons—*Sewing Machine.*

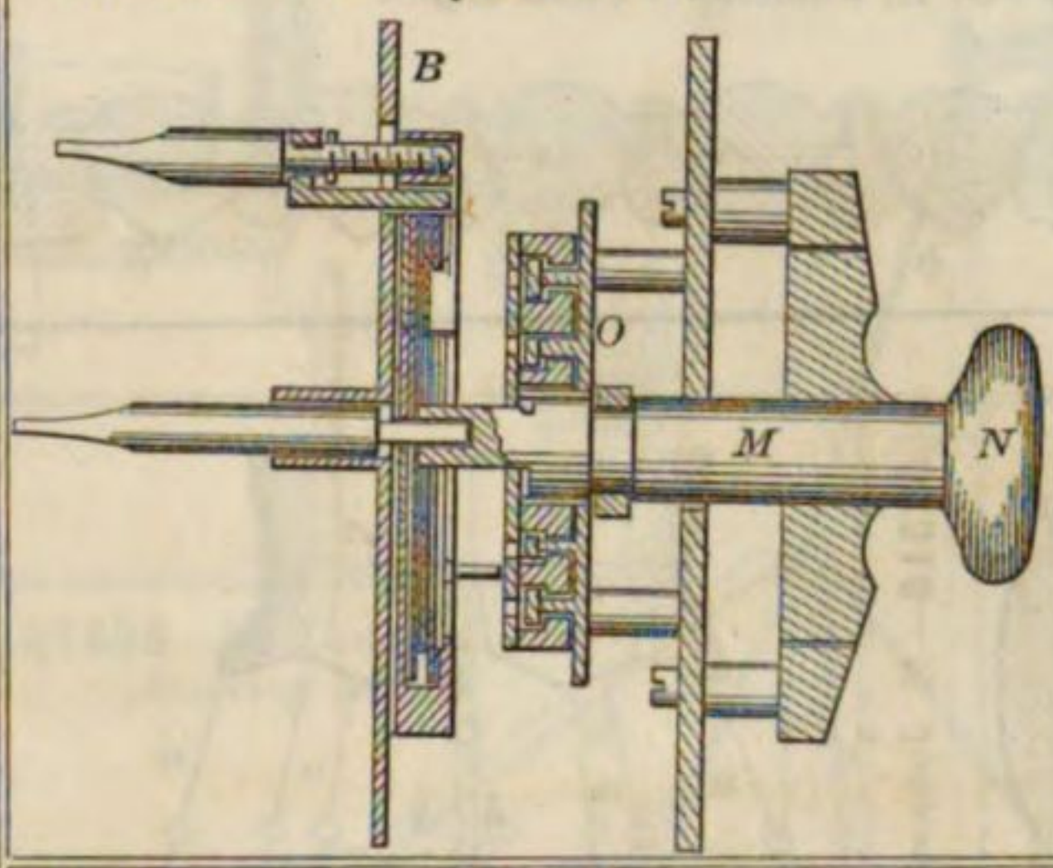
57505—Havens, Johnson & Howe—*Uterine Supporter.*



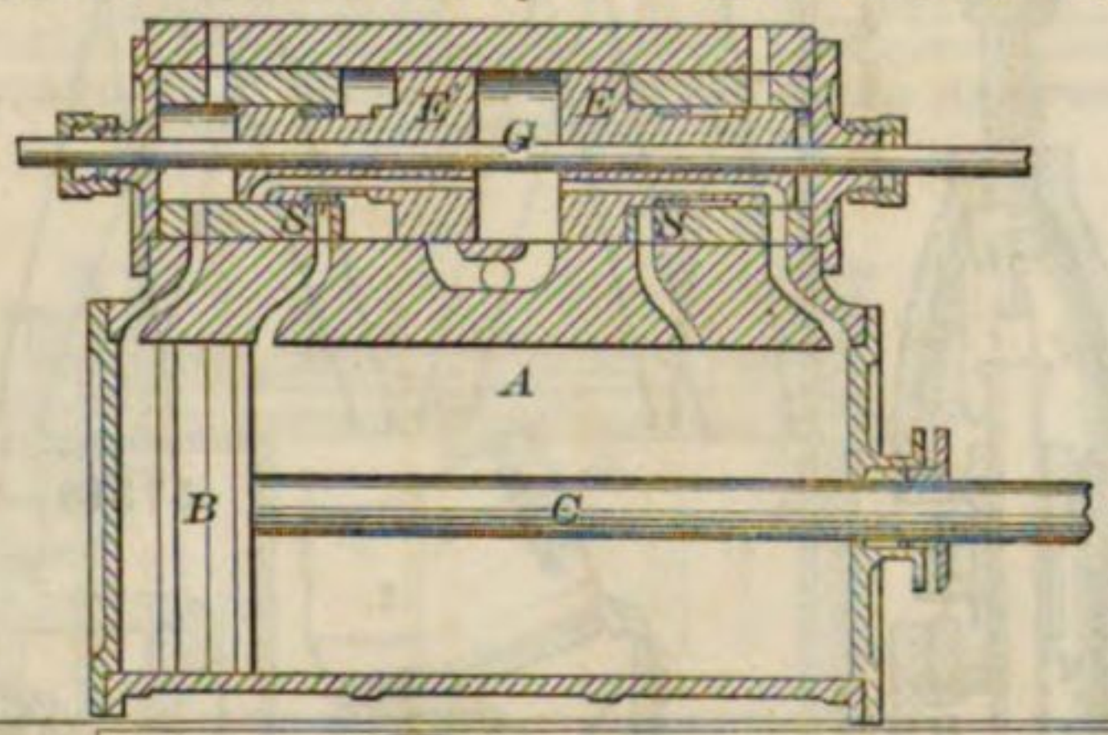
57506—H. Herbert—*Pipe Tongs.*



57508—E. R. Hopkins—*Lock.*

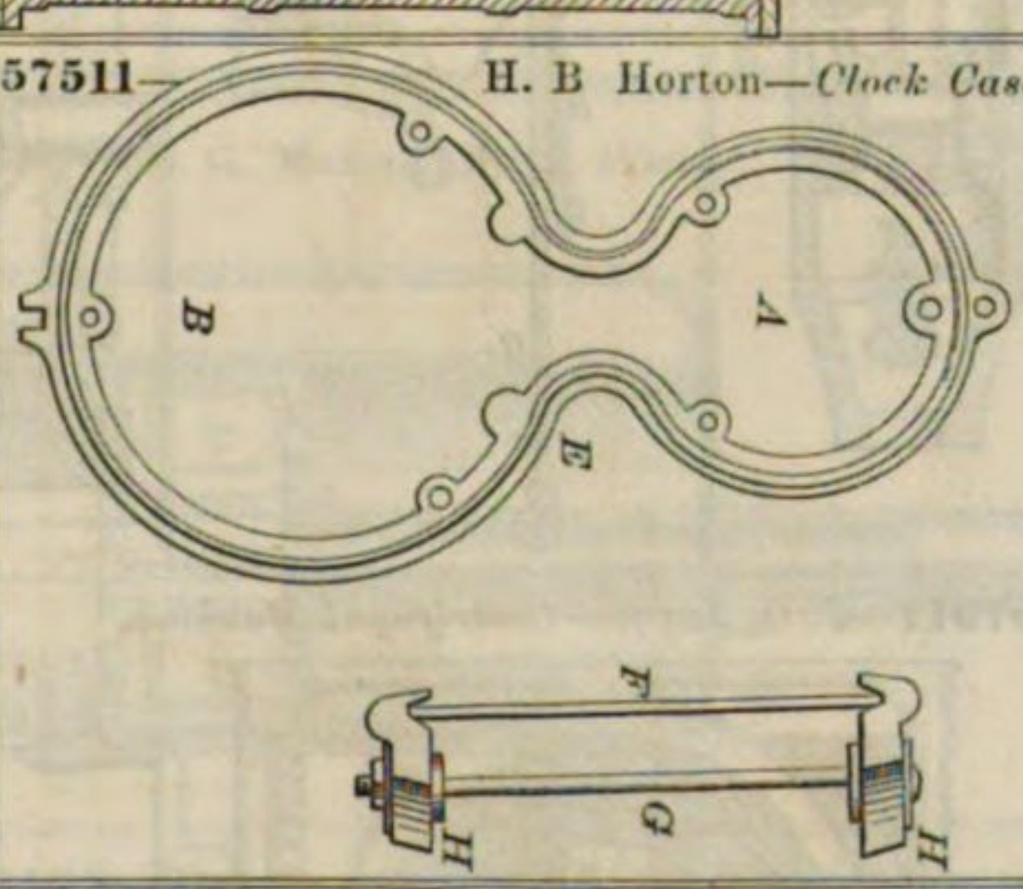


57509—G. W. & E. Hopkins—*Automatic Steam Valve.*

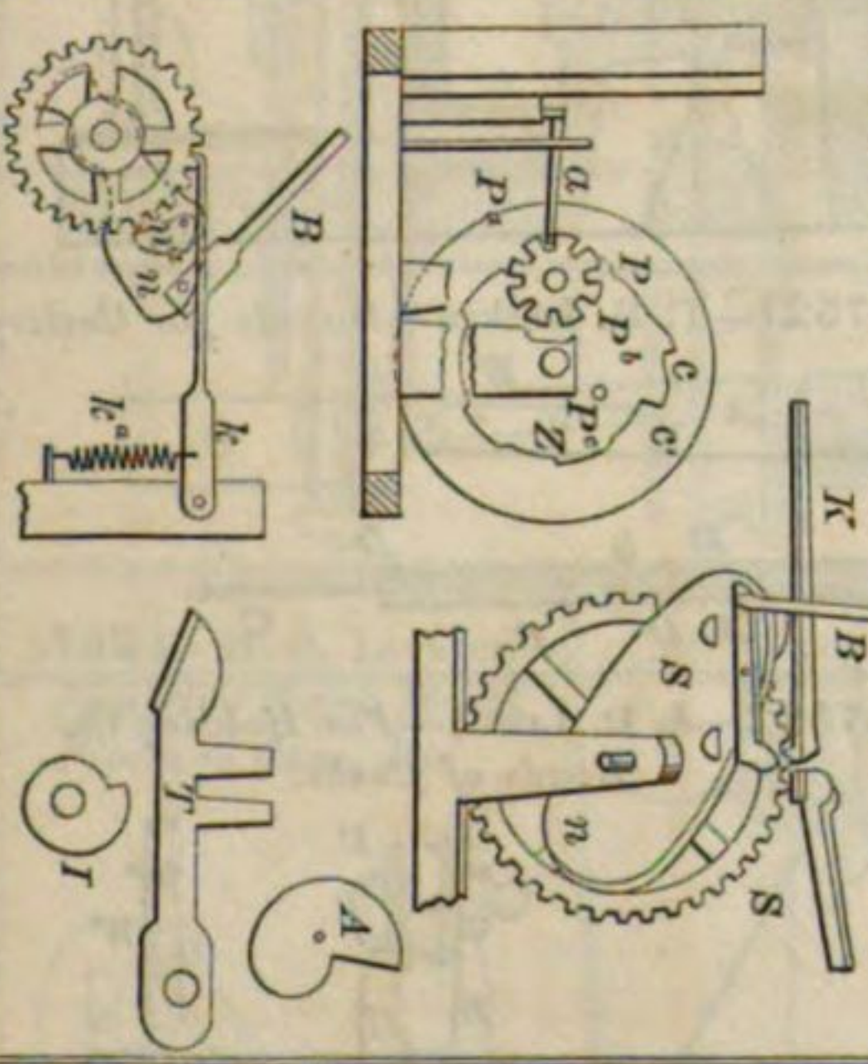


57507—H. Hise—*Tug Buckle.*

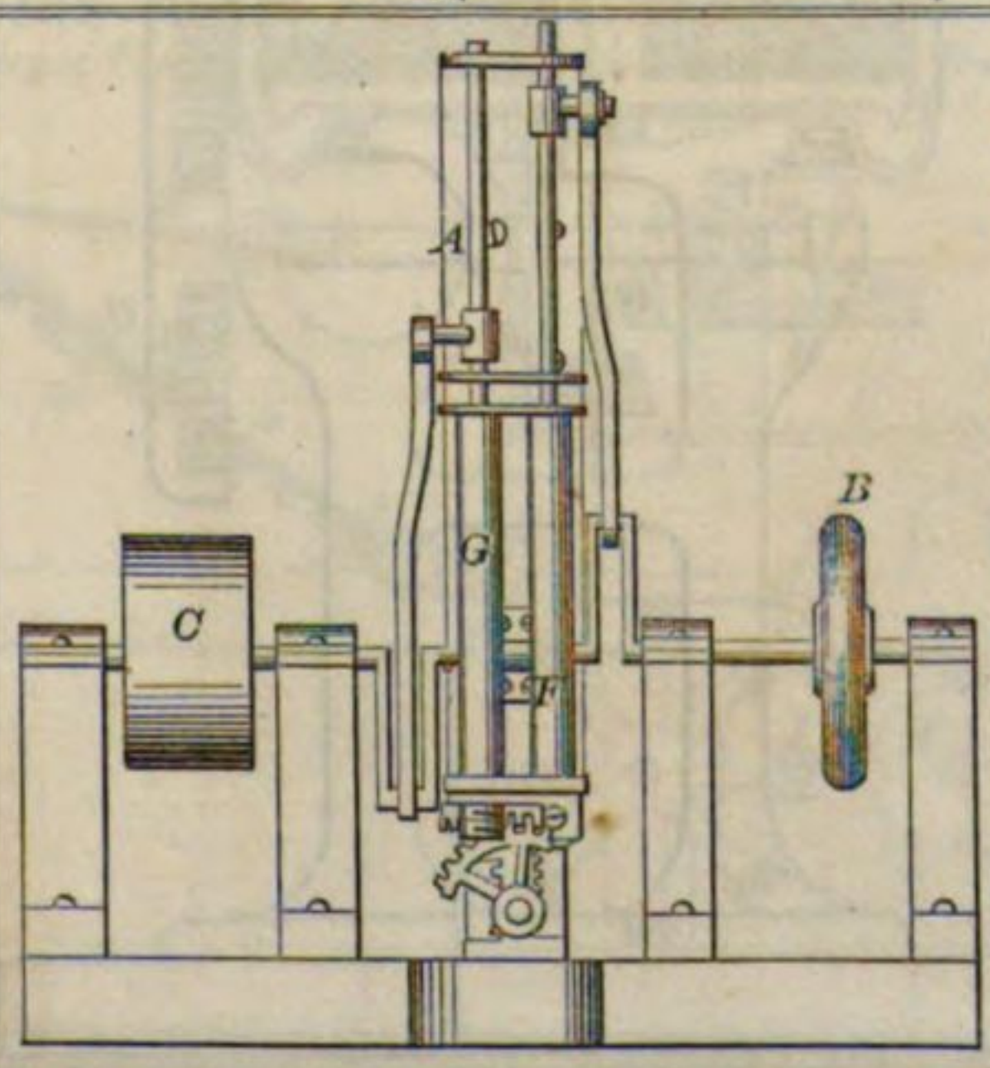
57511—H. B Horton—*Clock Case.*



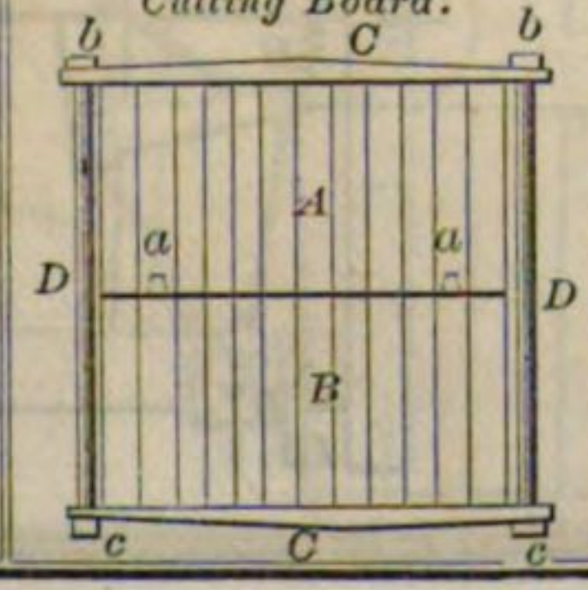
57510—H. B. Horton—*Calendar Clock.*



57512—H. Hubbell—*Hydraulic Engine.*

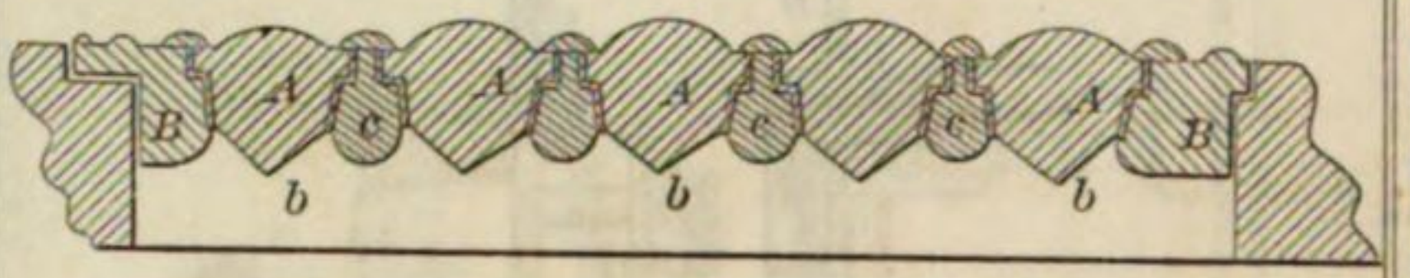


57513—R. C. Hussey—*Cutting Board.*

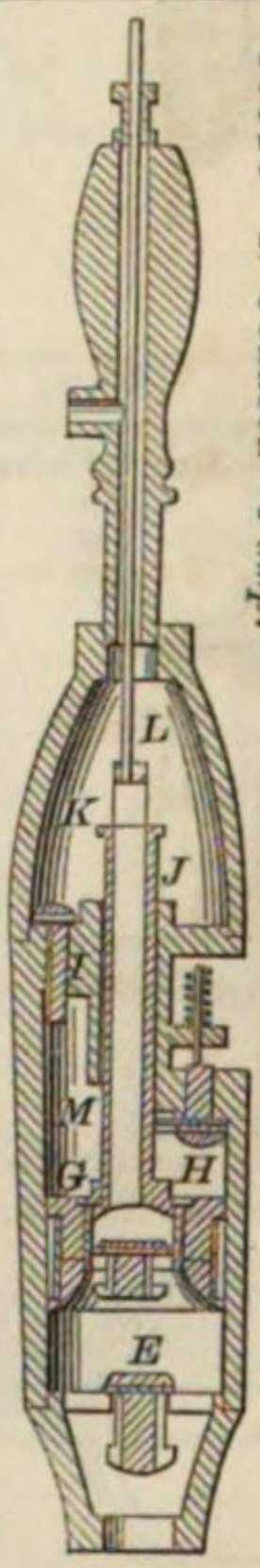


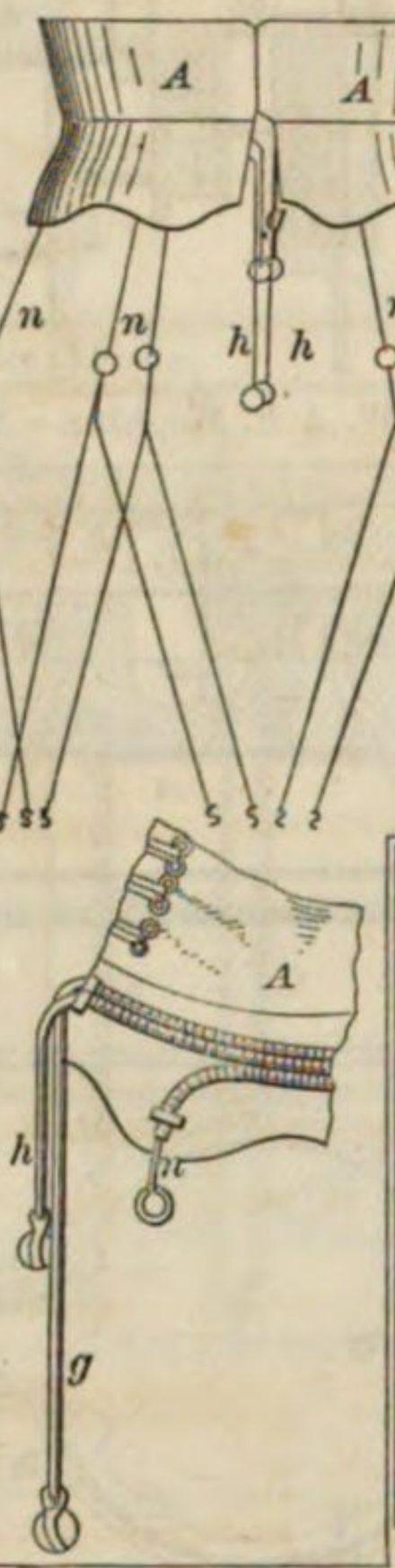
57514—C. F. Ingraham—*Sewing Machine Bobbin.*

57515—G. H. Johnson—*Vault Light.*

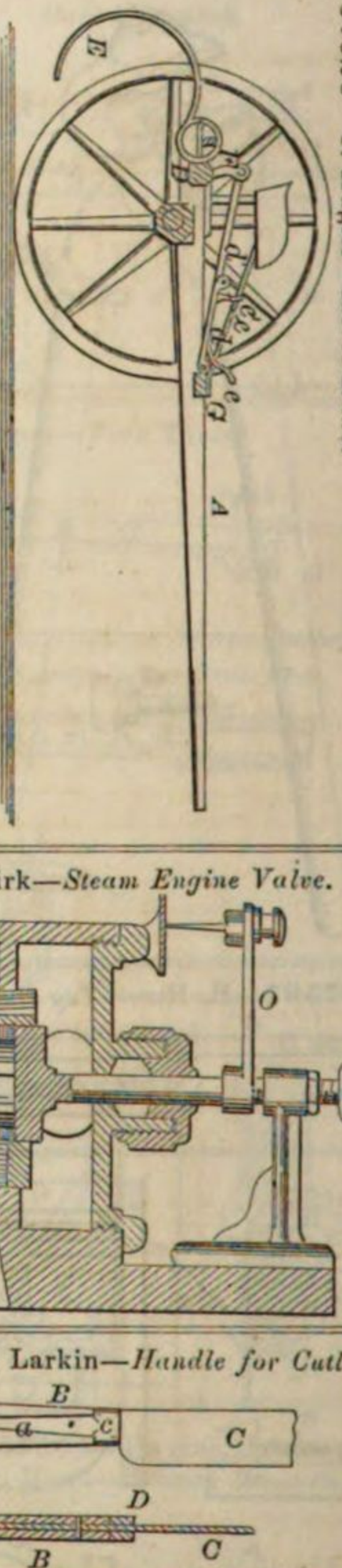


57516—N. Johnson—*Pump.*

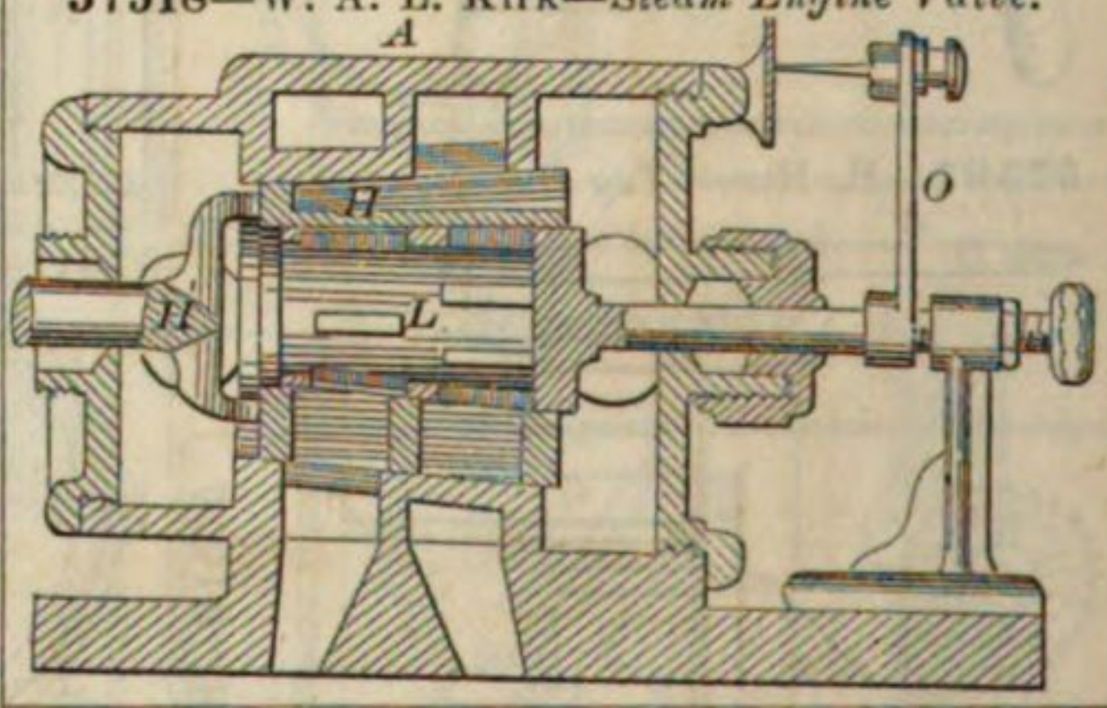




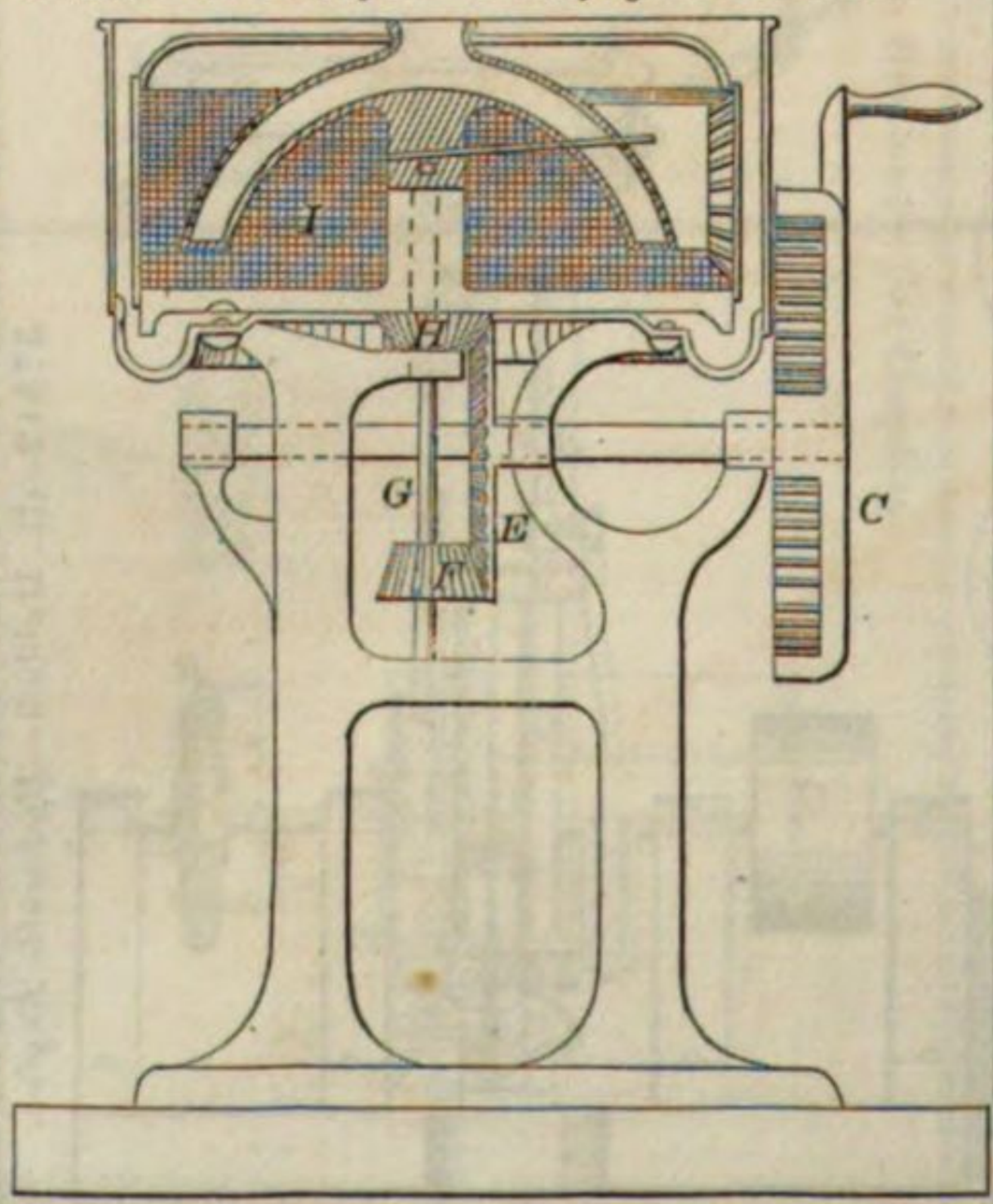
57519—Kammerl & Bollermann—*Dress Elevator.*



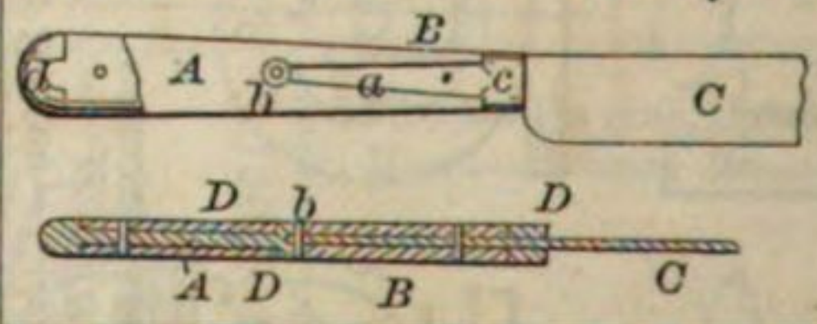
57518—W. A. L. Kirk—*Steam Engine Valve.*



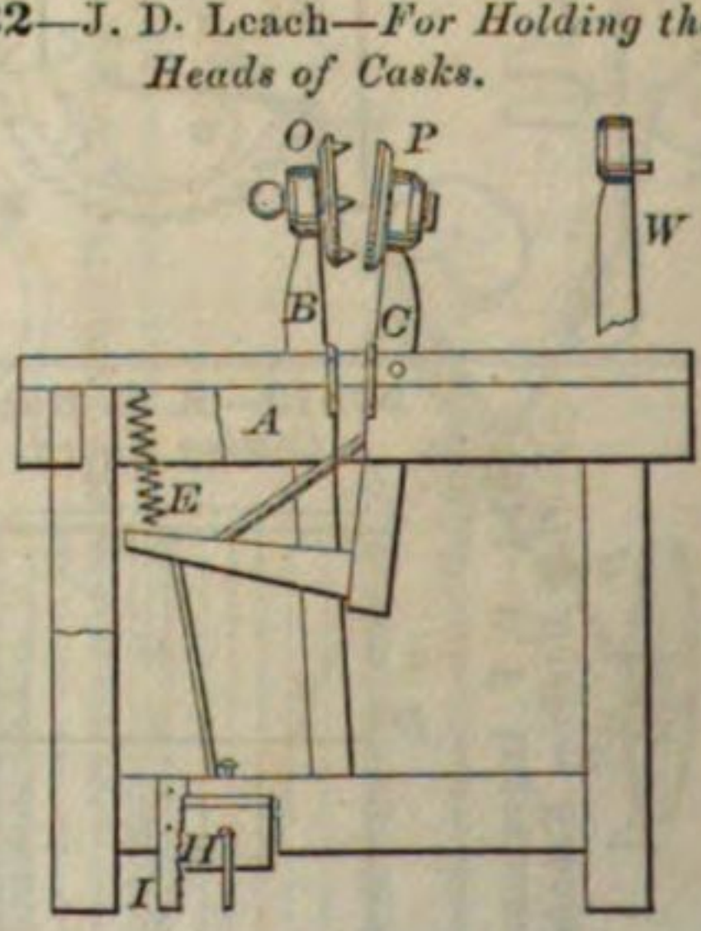
57517—J. O. Joyce—*Centrifugal Machine.*



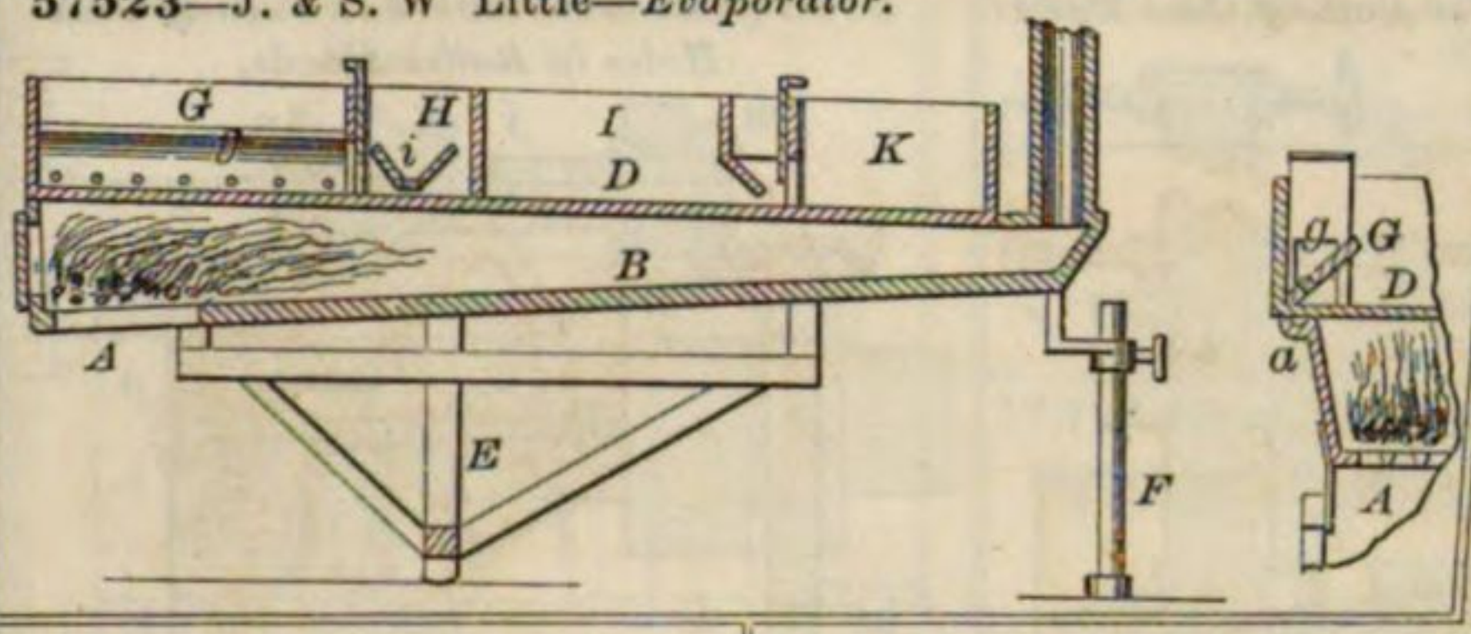
57521—T. D. Larkin—*Handle for Cutlery*



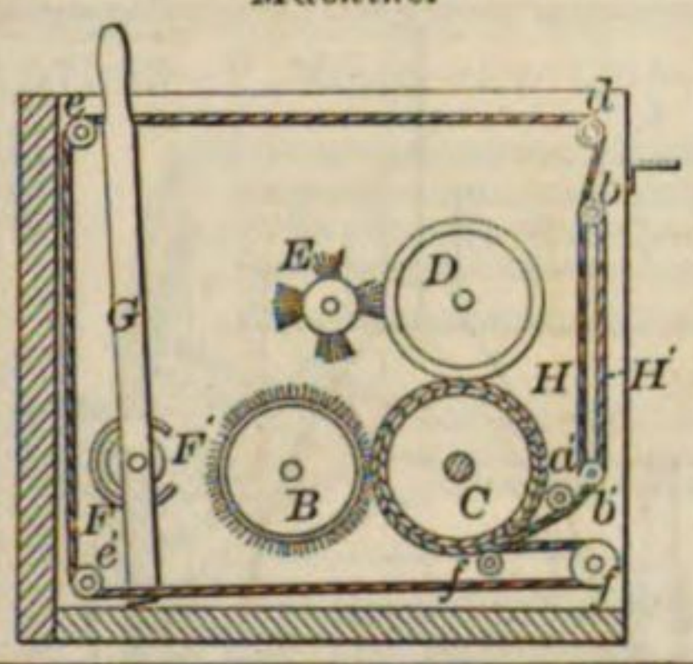
57522—J. D. Leach—*For Holding the Heads of Casks.*



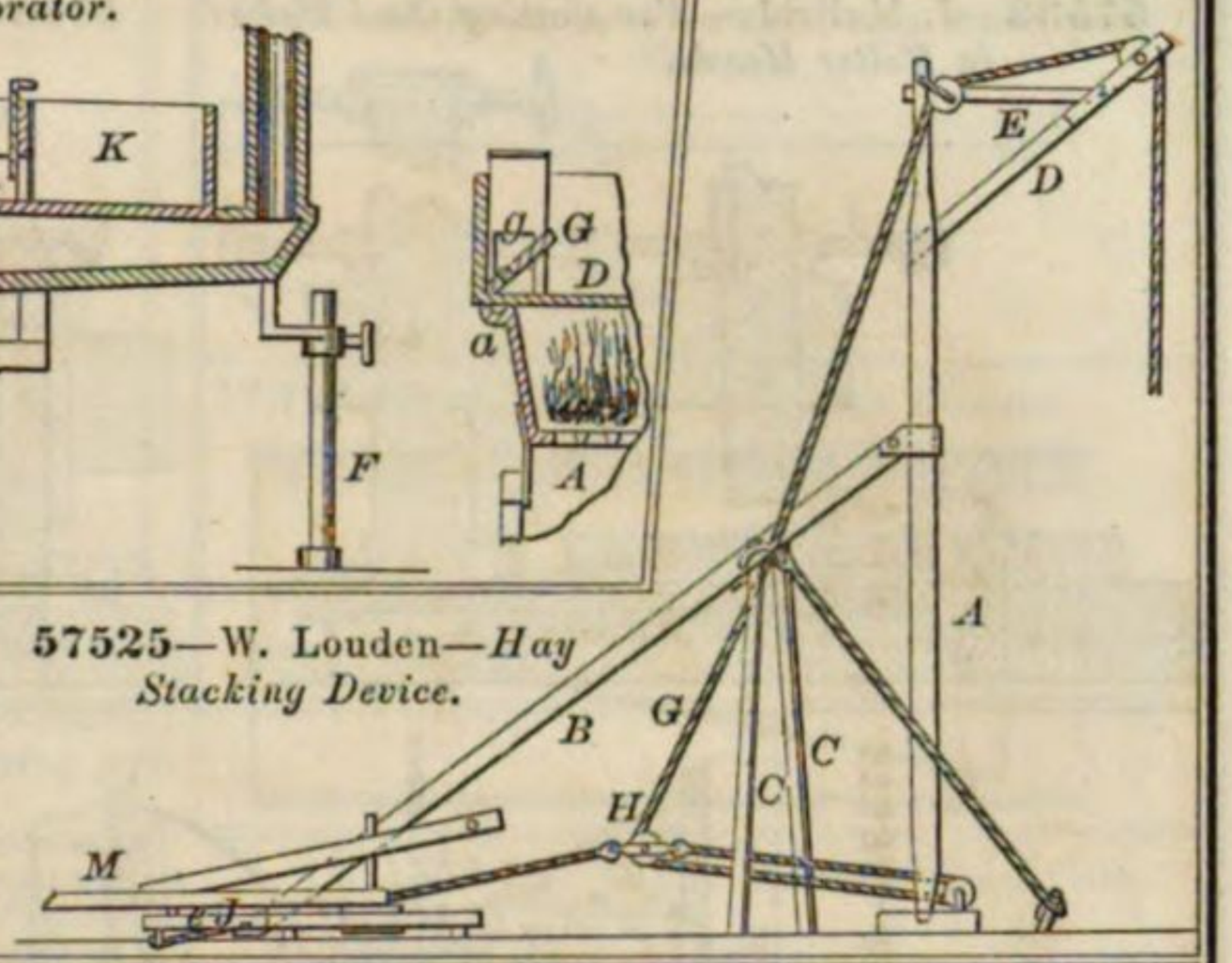
57523—J. & S. W Little—*Evaporator.*



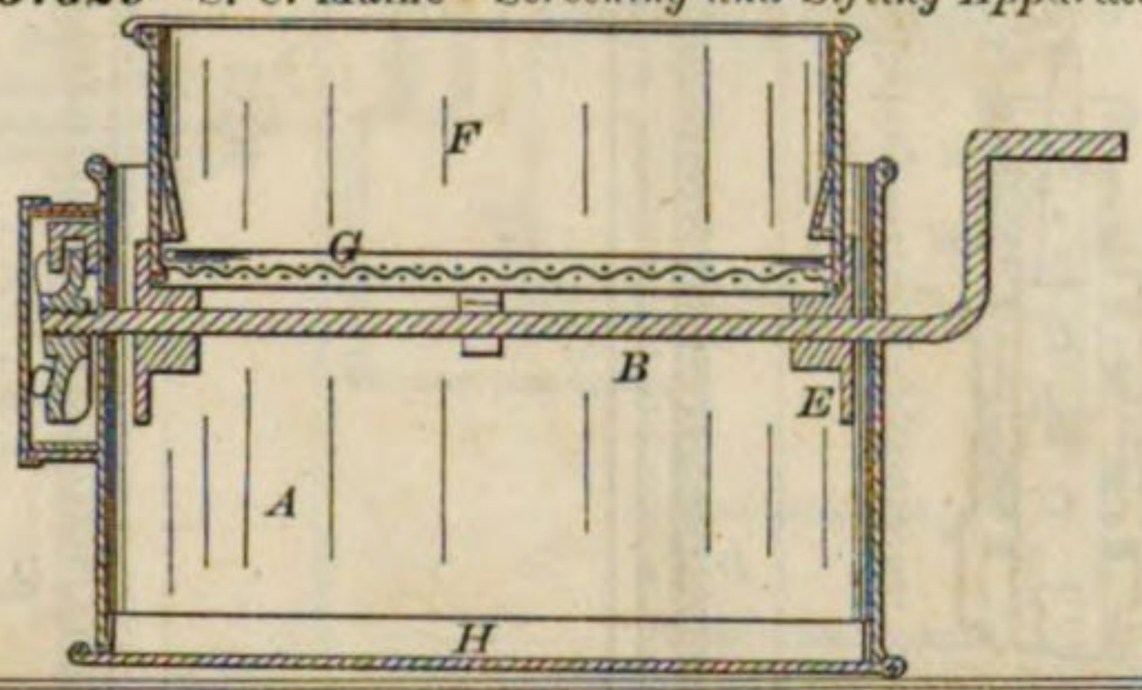
57527—J. K. Lowe—*Bronzing Machine.*



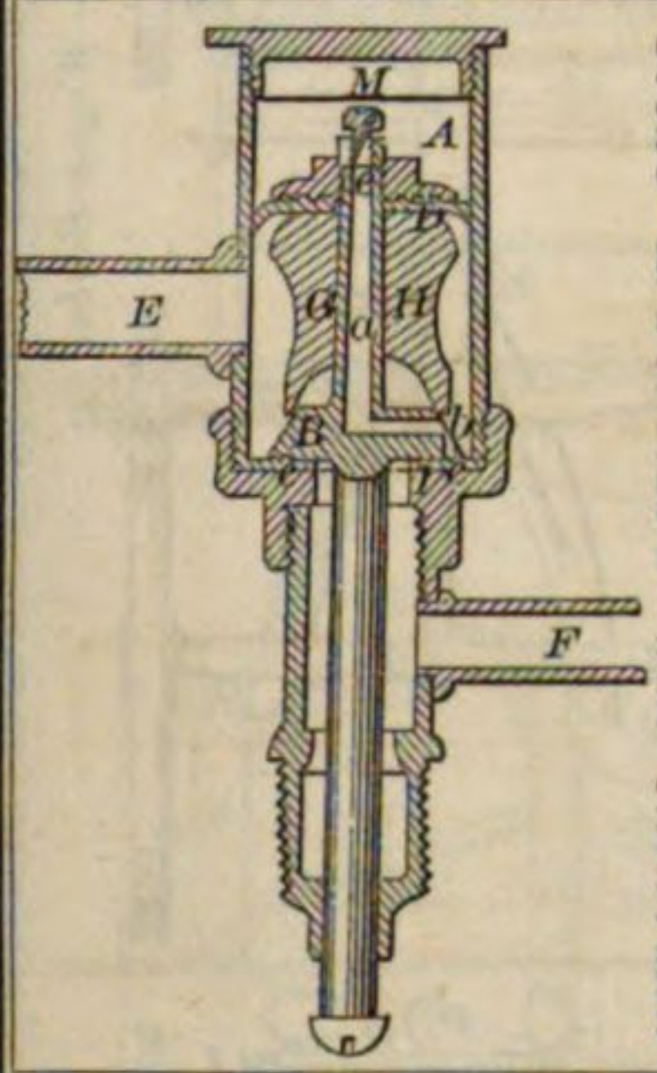
57525—W. Louden—*Hay Stacking Device.*



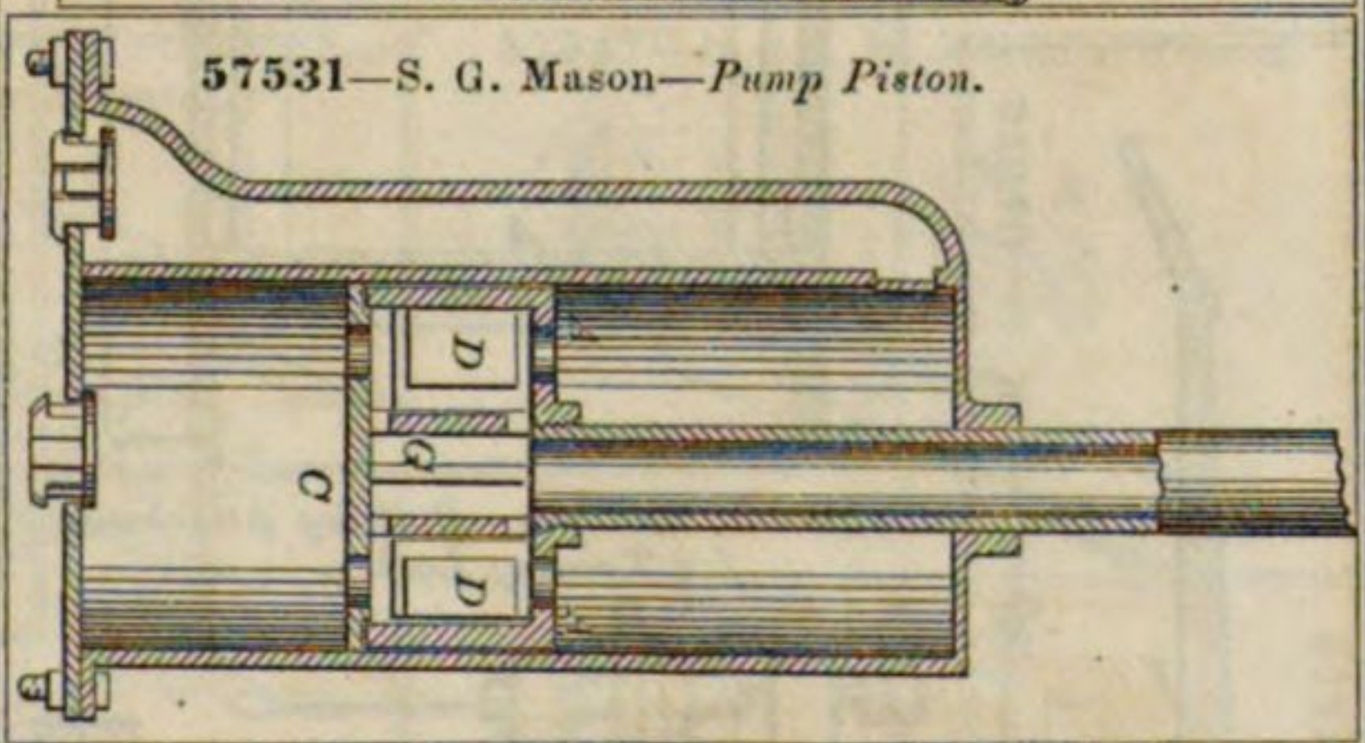
57529—S. C. Maine—*Screening and Sifting Apparatus.*



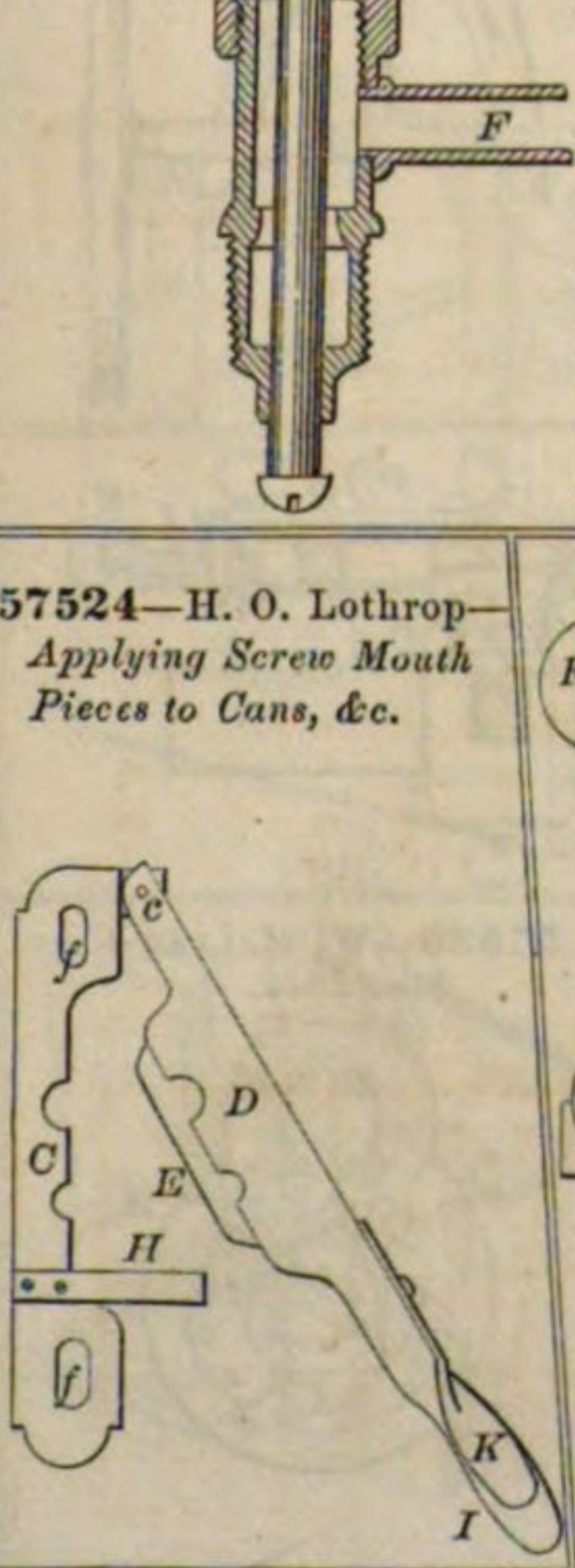
57526—A. & J. Loudon—*Water Closet Valve.*



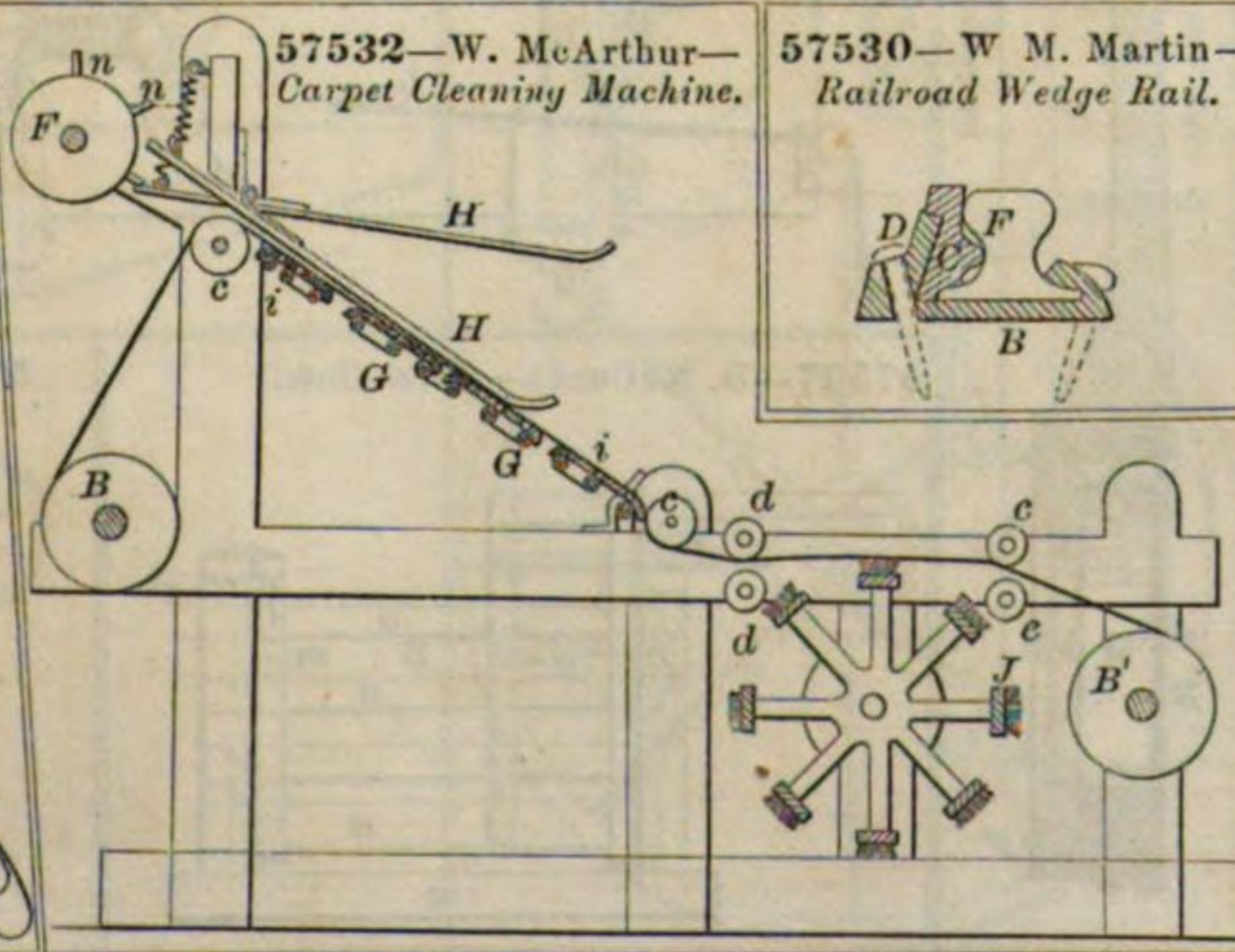
57531—S. G. Mason—*Pump Piston.*



57524—H. O. Lothrop—*Applying Screw Mouth Pieces to Cans, &c.*

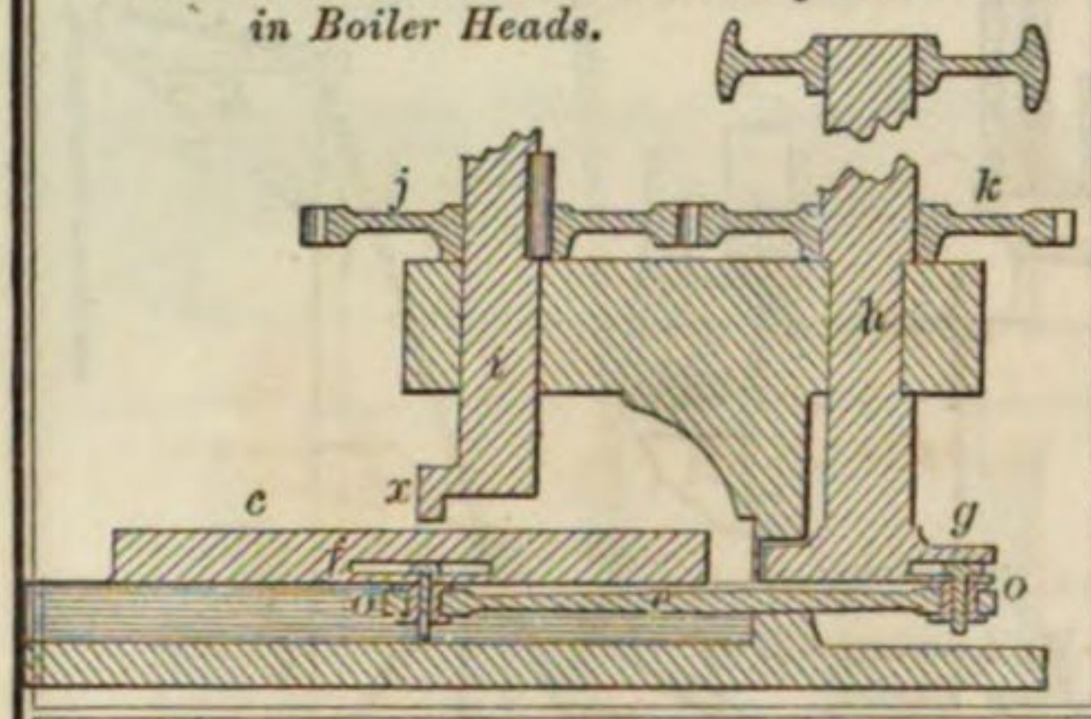


57532—W. McArthur—*Carpet Cleaning Machine.*

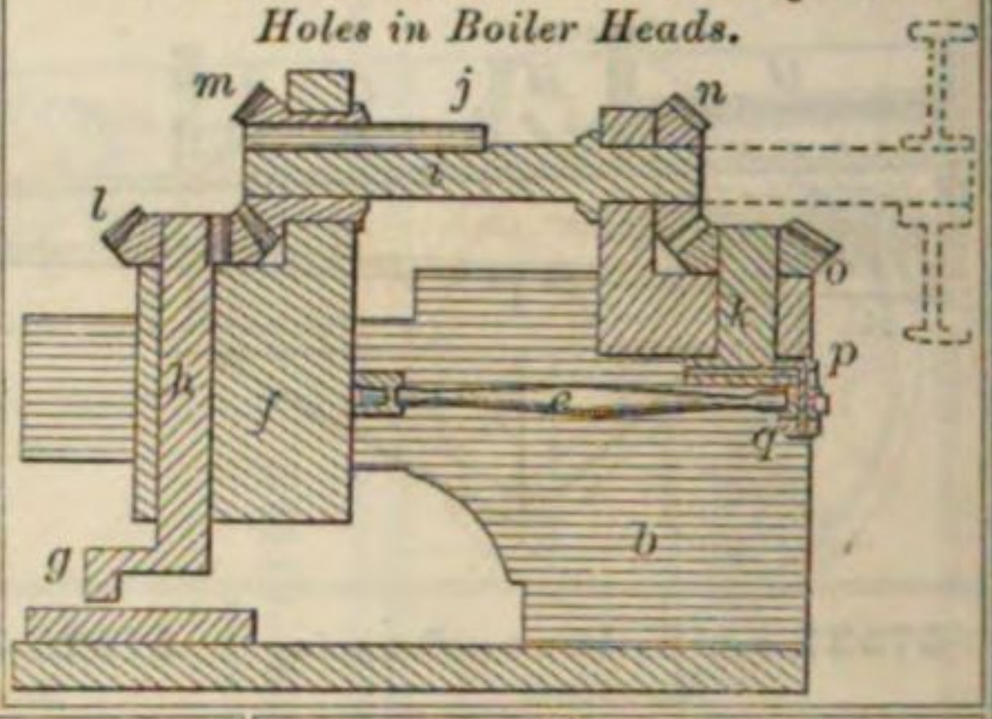


57530—W M. Martin—*Railroad Wedge Rail.*

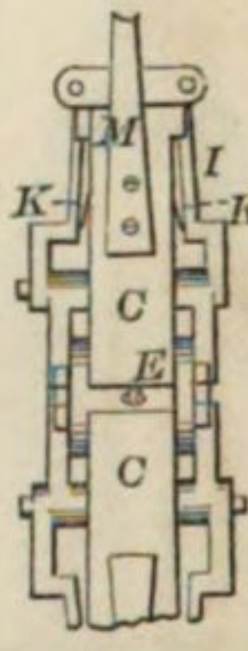
57533—J. McBride—*For Cutting Oval Holes in Boiler Heads.*

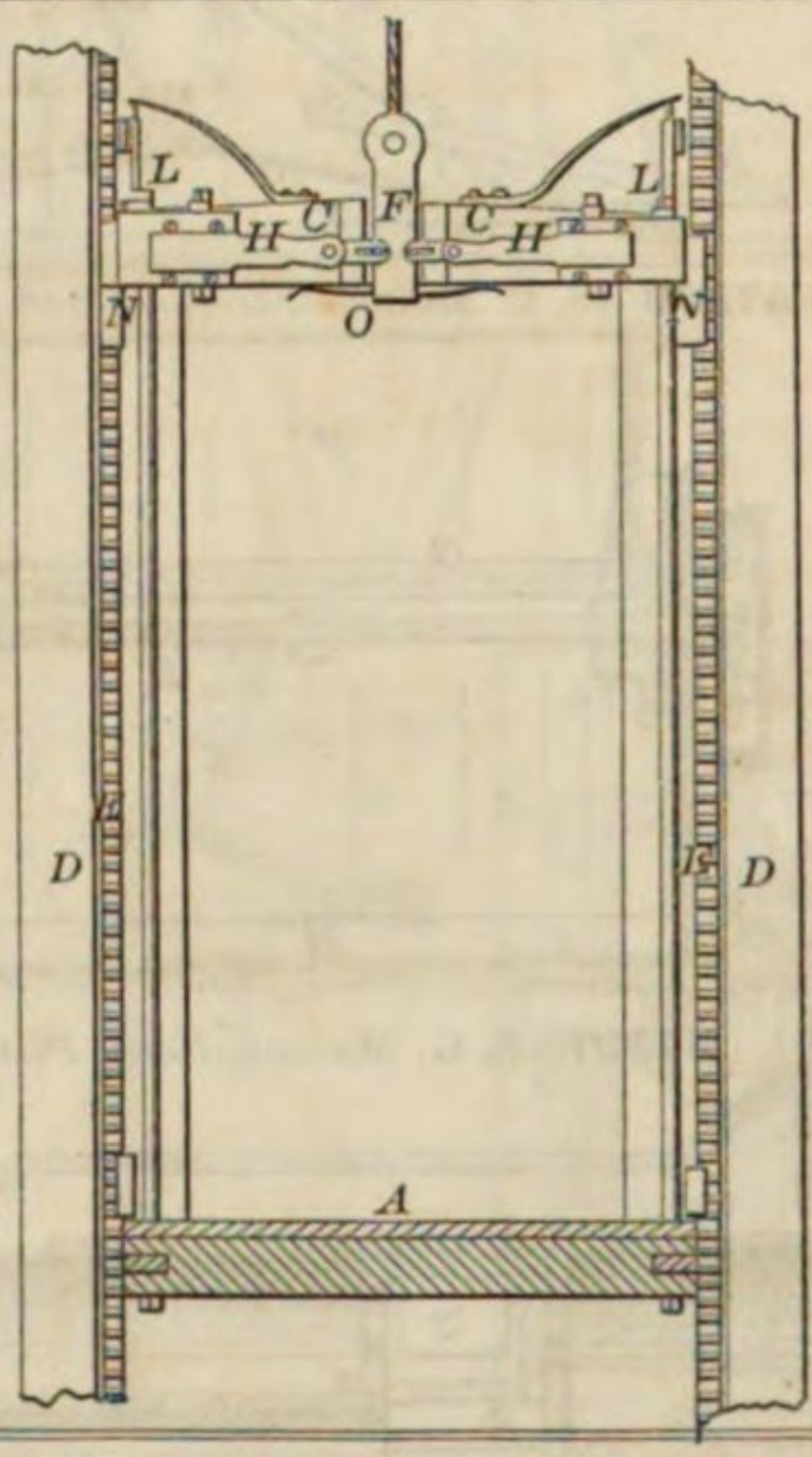


57534—J. McBride—*For Cutting Oval Holes in Boiler Heads.*

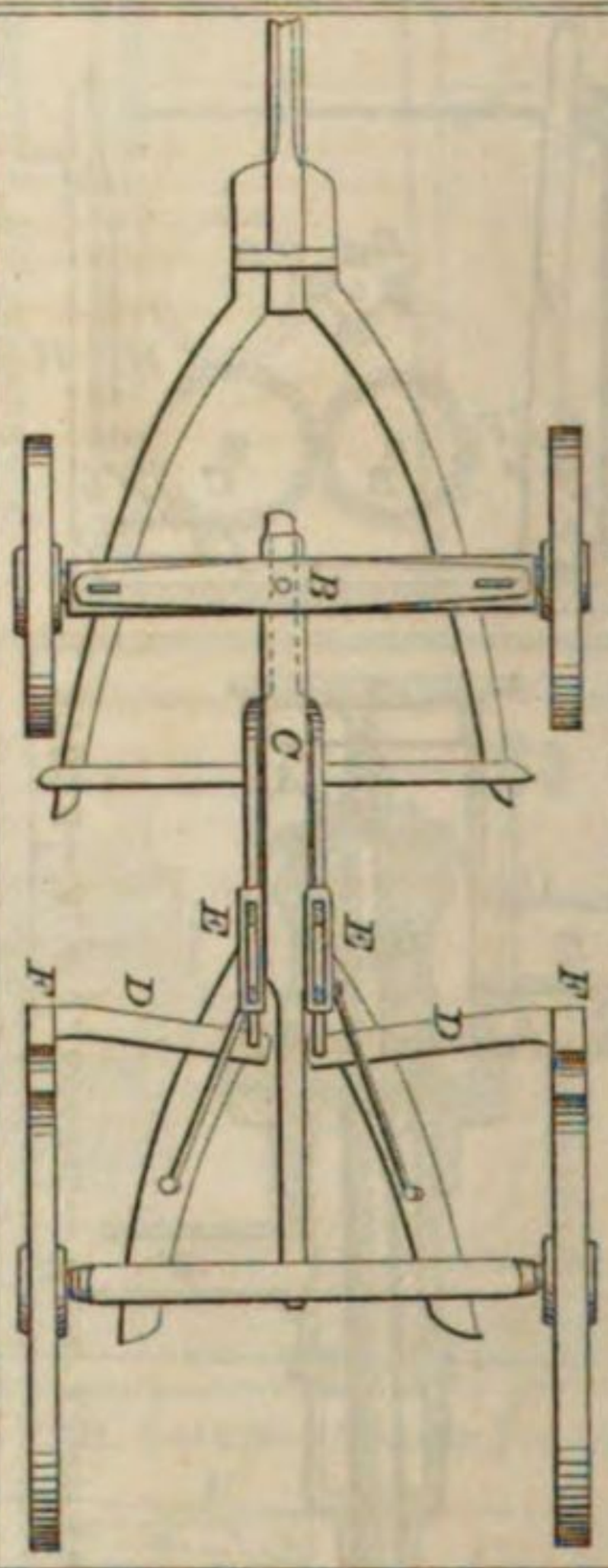


57535—J. McCalvey—*Hoisting Machine.*

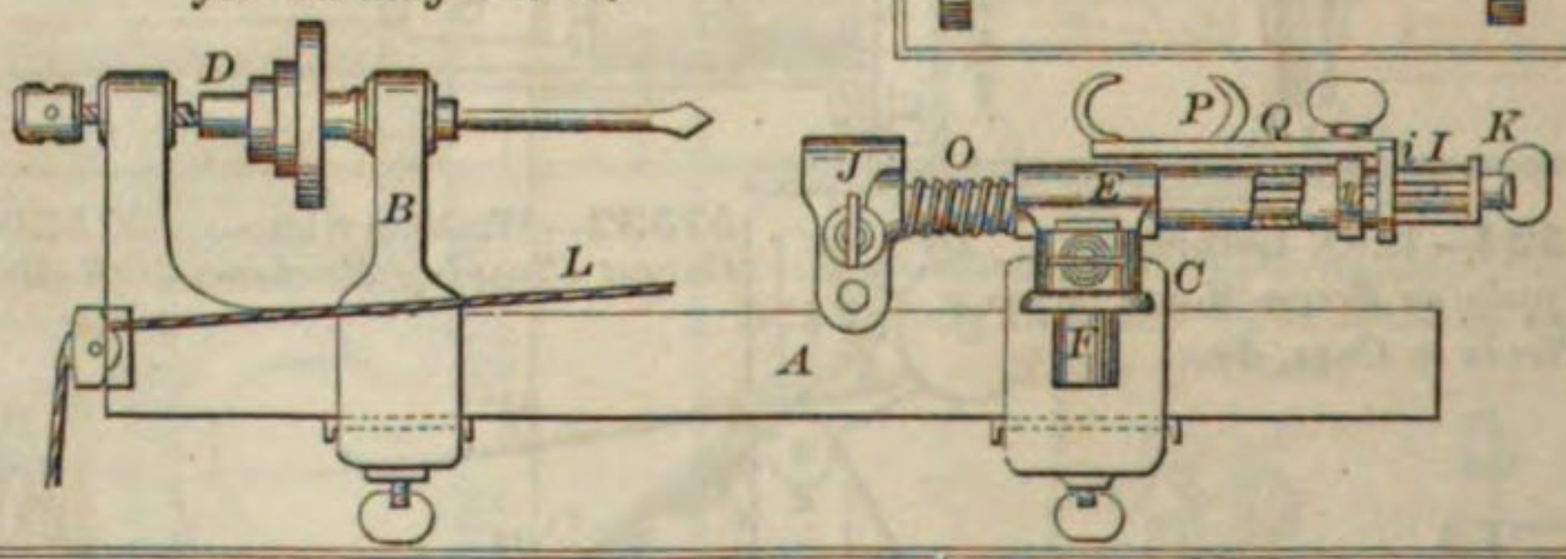




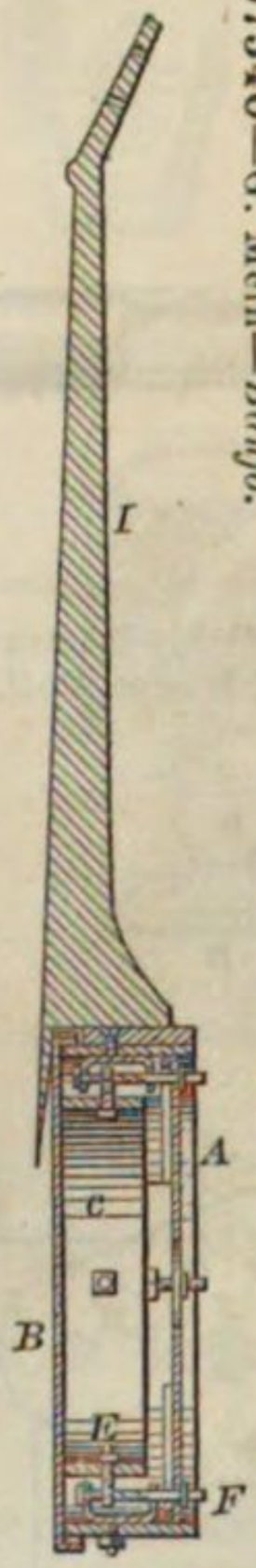
57538—J. S. McGlumphy—*Wagon Brake.*



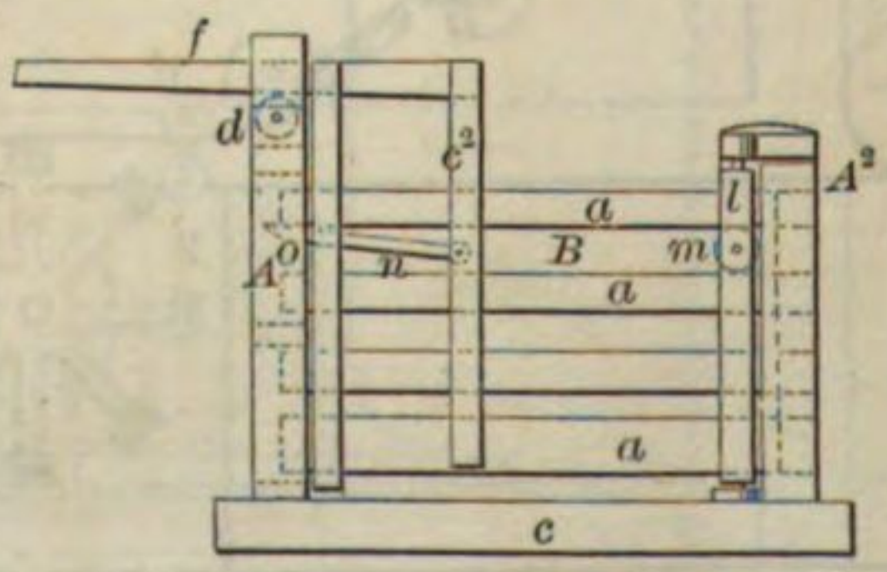
57536—J. McCrum—*Drilling Attachment for Turning Lathes.*



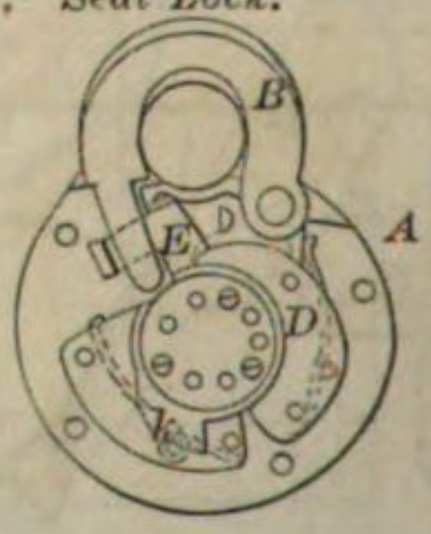
57540—G. Mein—*Banjo.*



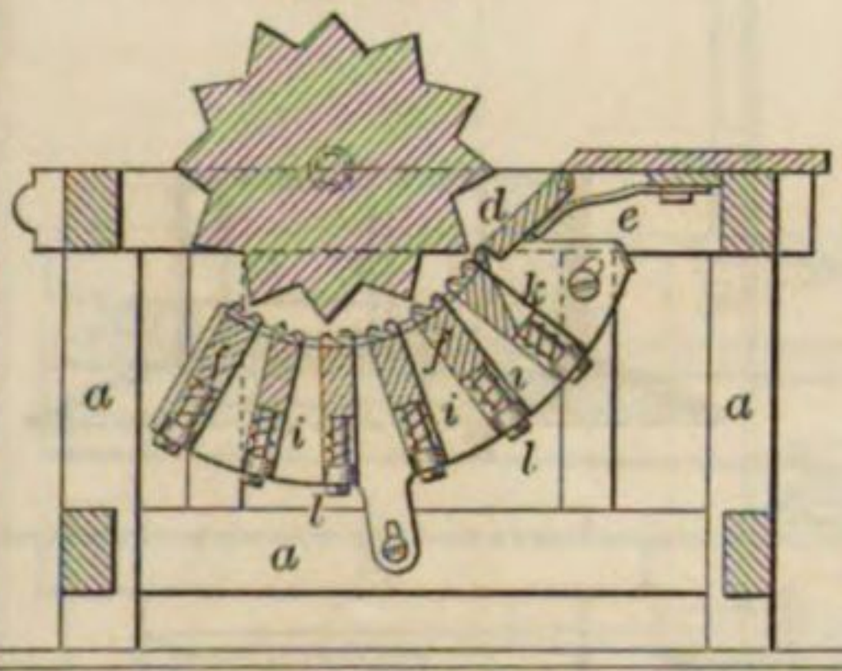
57537—D. McCurdy—*Farm Gate.*



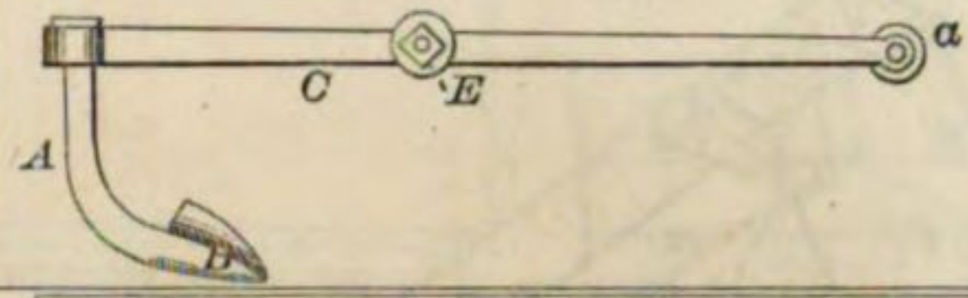
57539—W. McLean—*Seal Lock.*



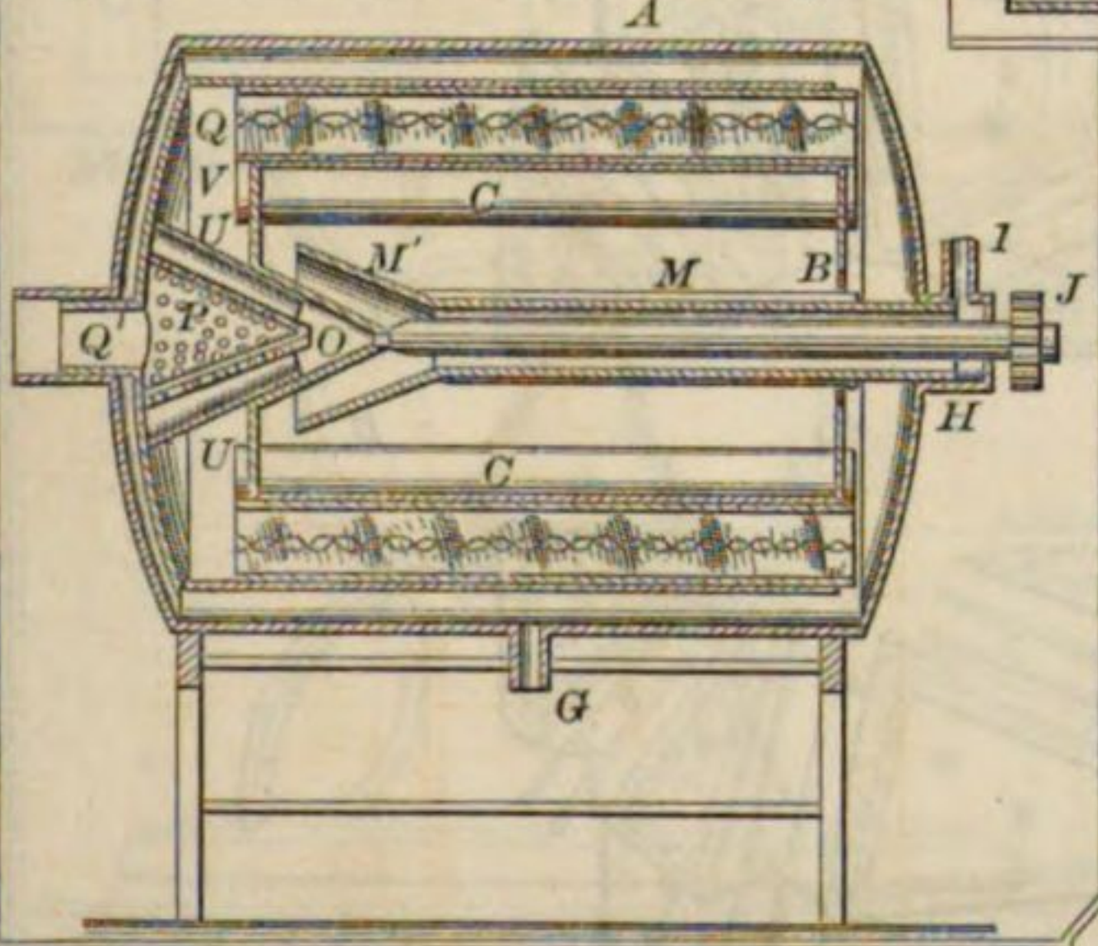
57541—J. H. Melick—*Threshing Machine.*



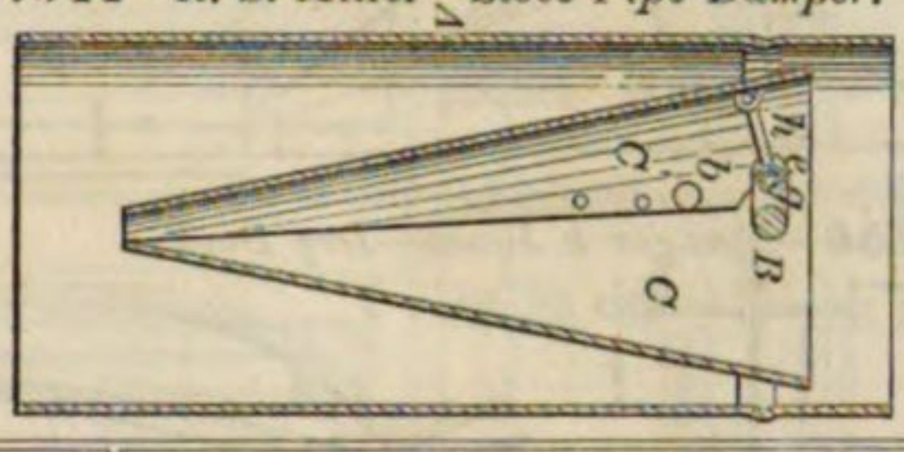
57542—E. Michaels—*For Splitting Bark upon Trees.*



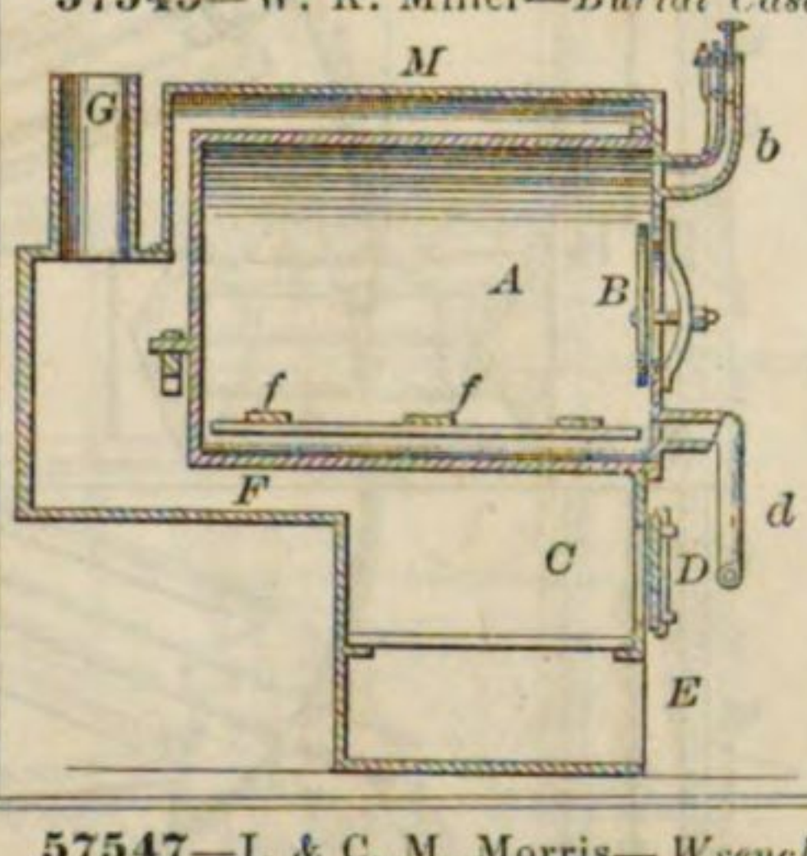
57543—P. Mihan—*For Carburetting Air.*



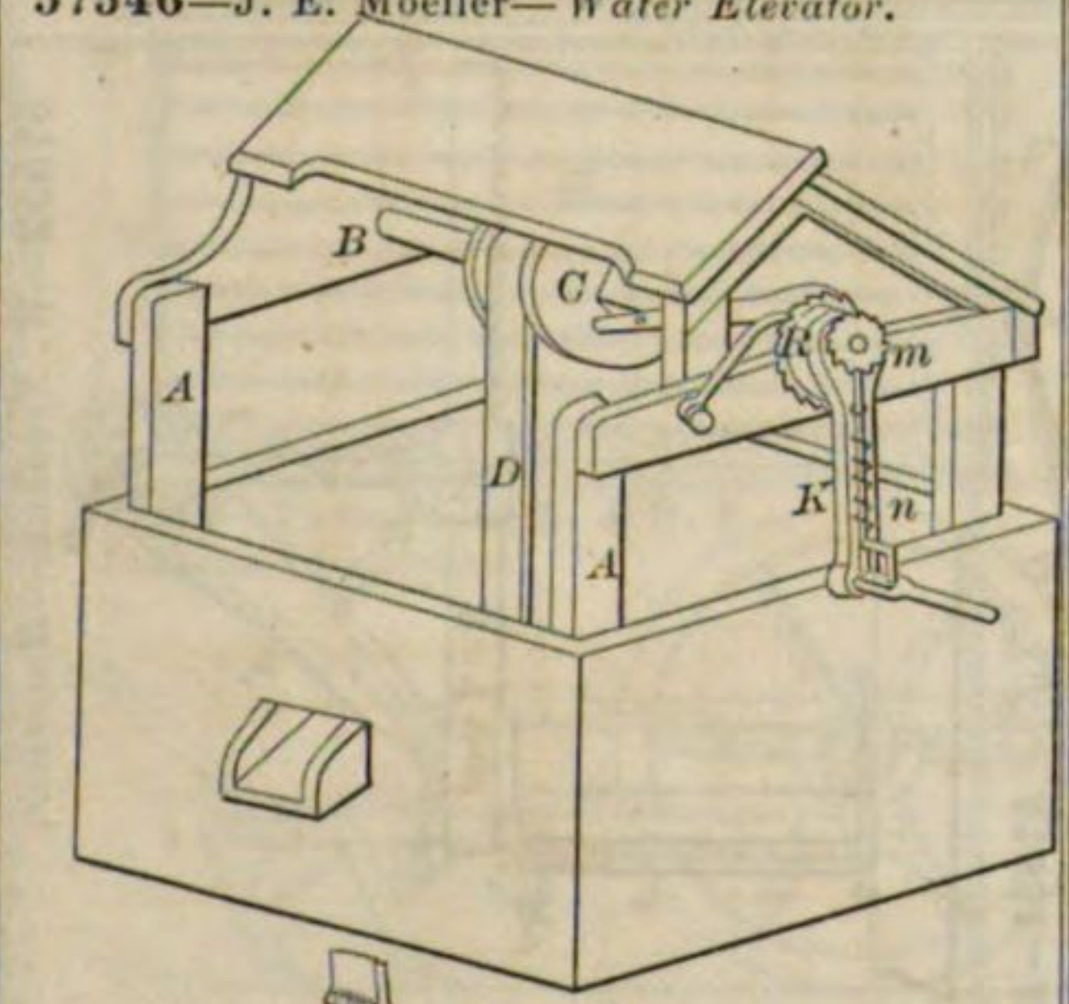
57544—R. S. Miller—*Stove Pipe Damper.*



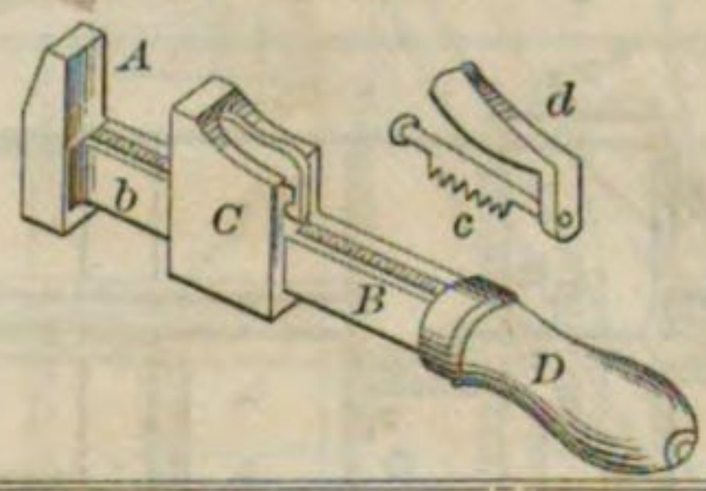
57545—W. K. Miller—*Burial Case.*



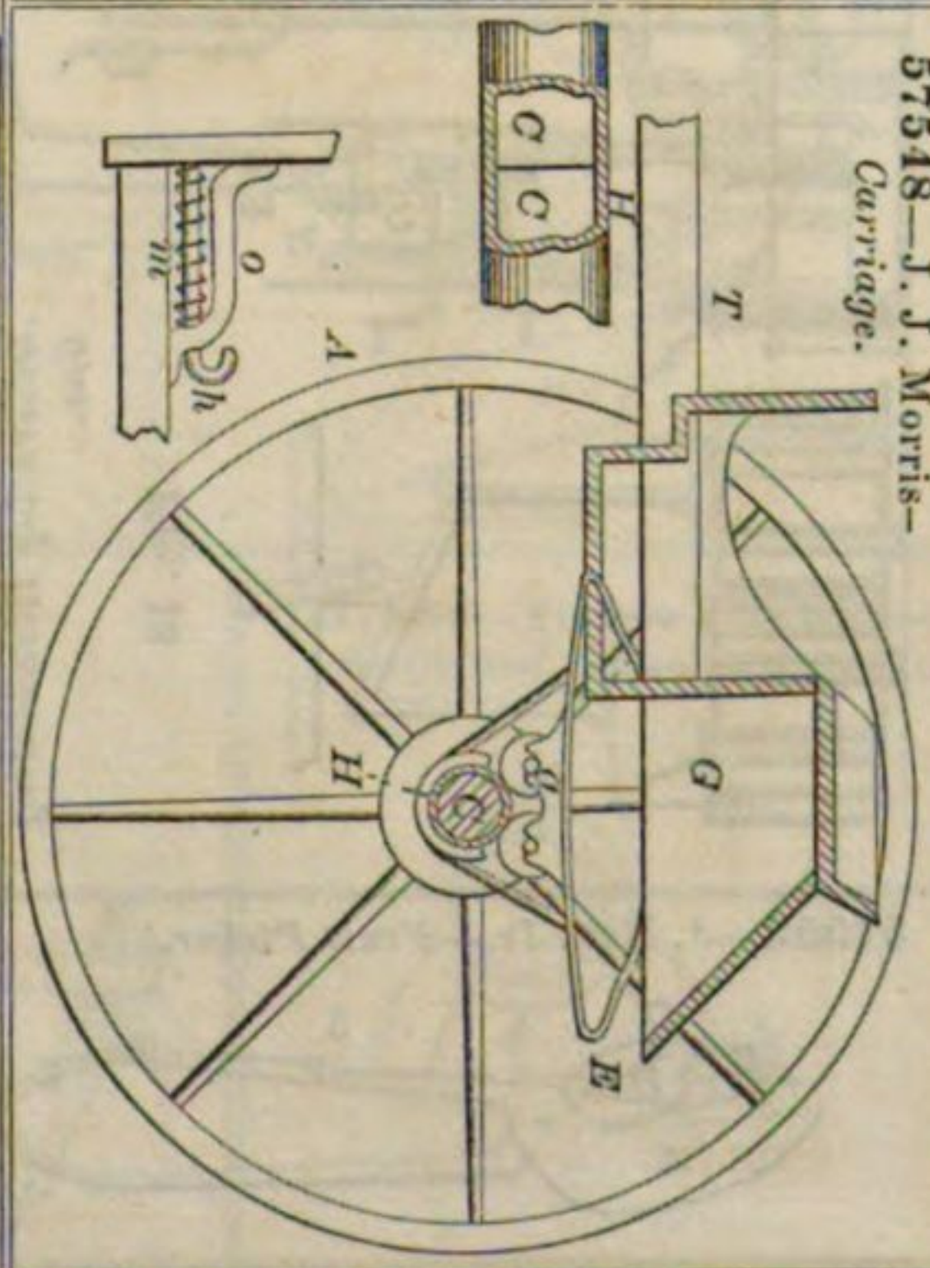
57546—J. E. Moeller—*Water Elevator.*

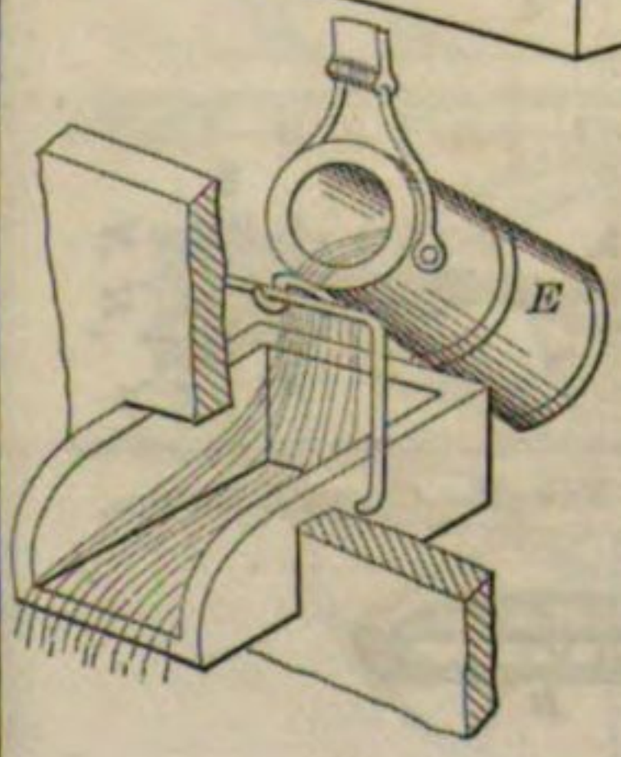


57547—I. & C. M. Morris—*Wrench.*

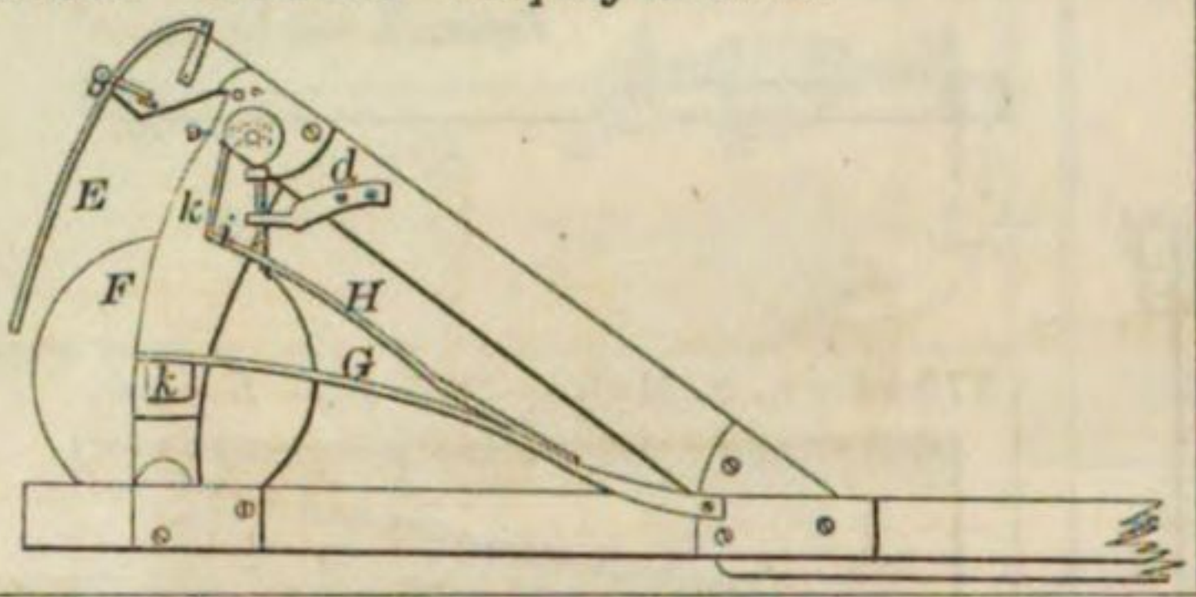


57548—J. J. Morris—*Carriage.*

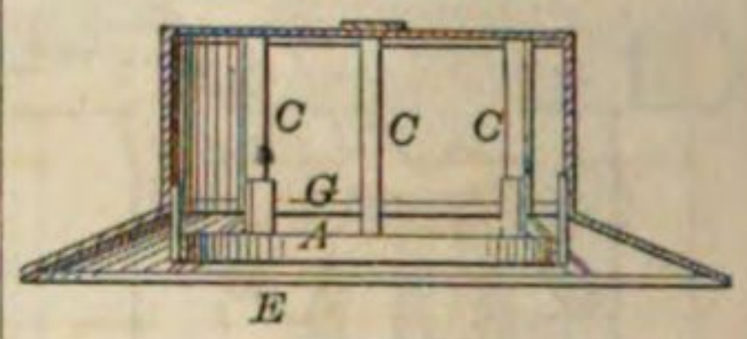




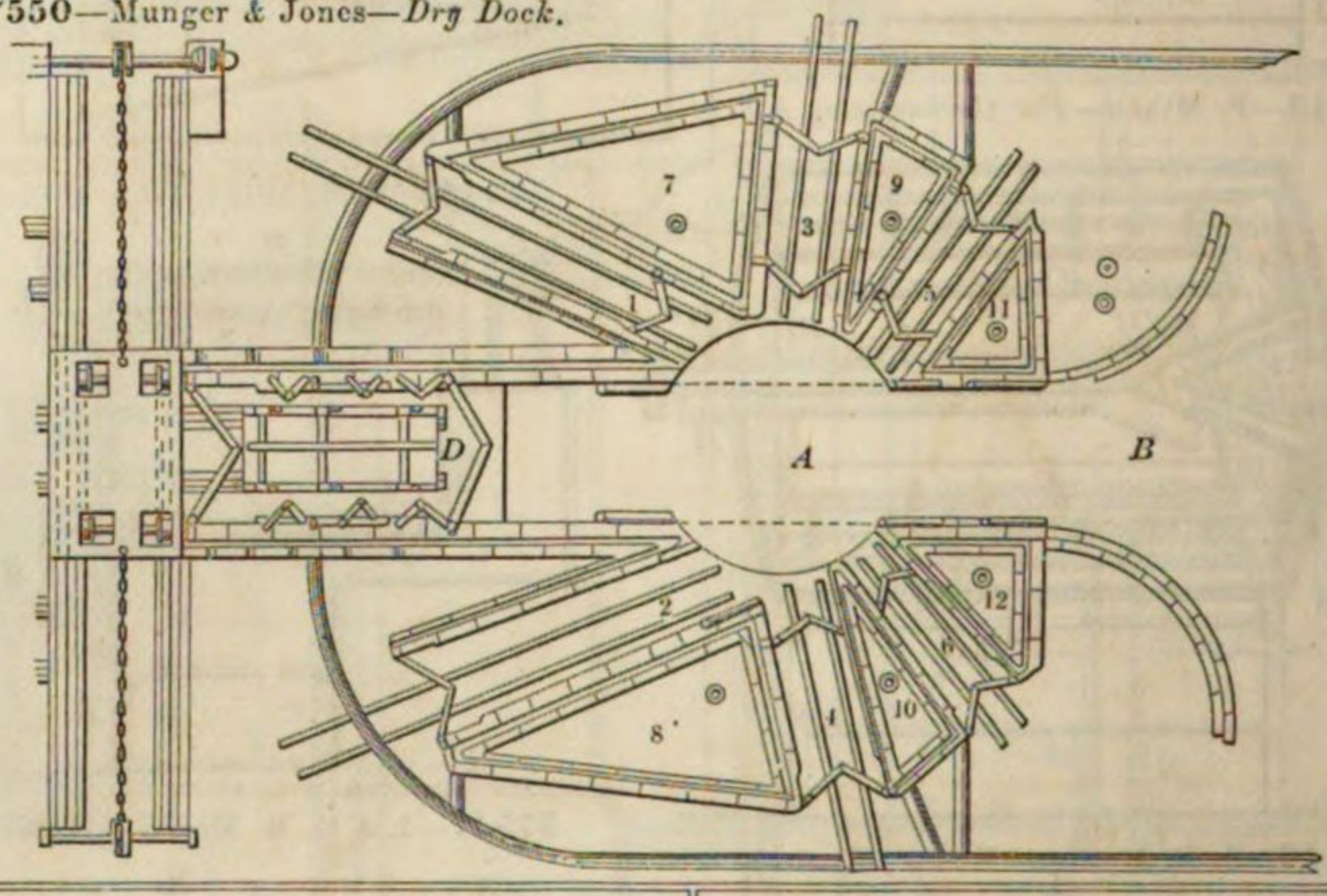
57549—R. Morris—*Reaping Machine.*



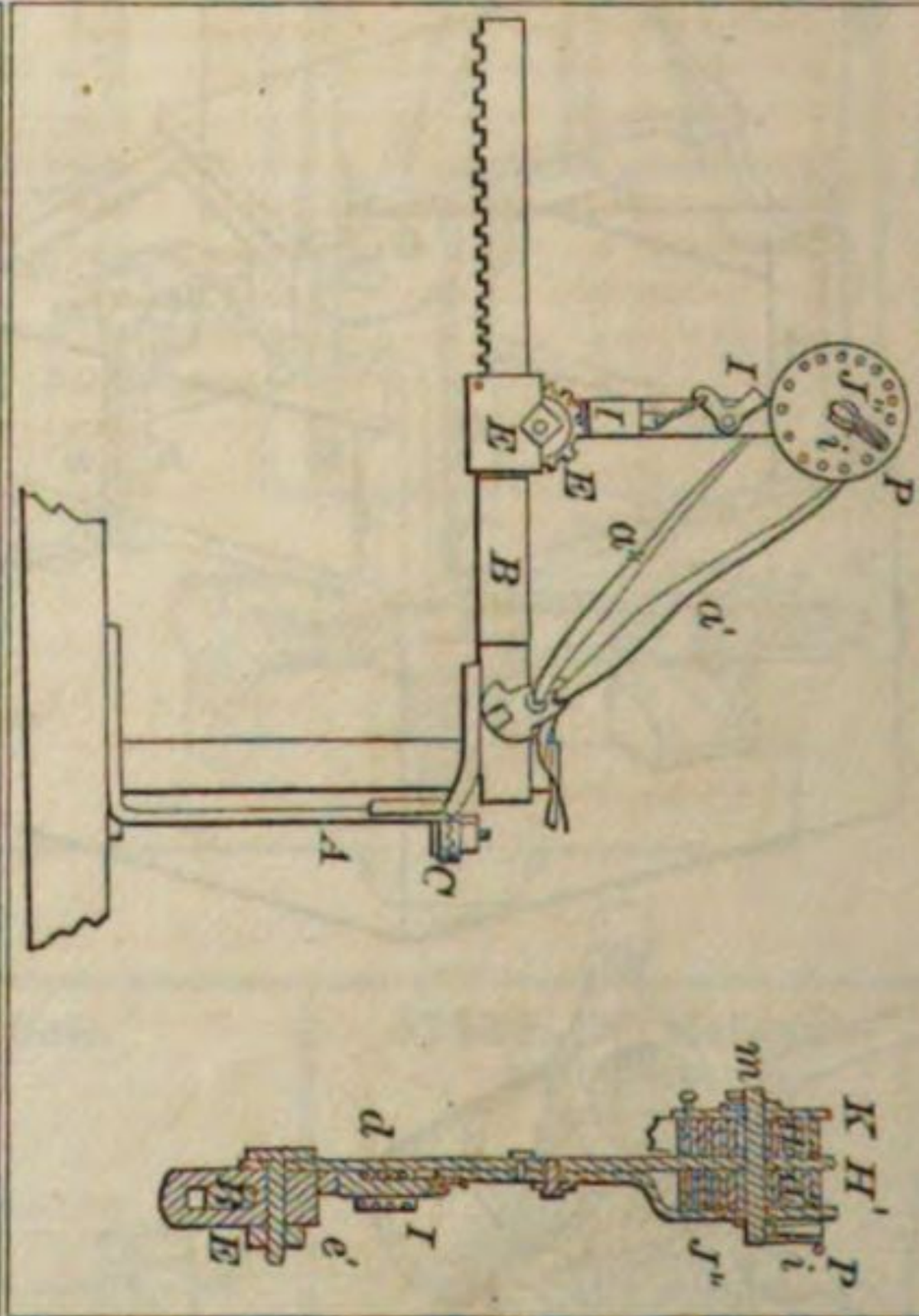
57554—W. S. Nelson—*Hat.*



57550—Munger & Jones—*Dry Dock.*



57552—W. Needham—*Harvester.*



57551—H. B. Myer—*For Generating Illuminating Gas.*

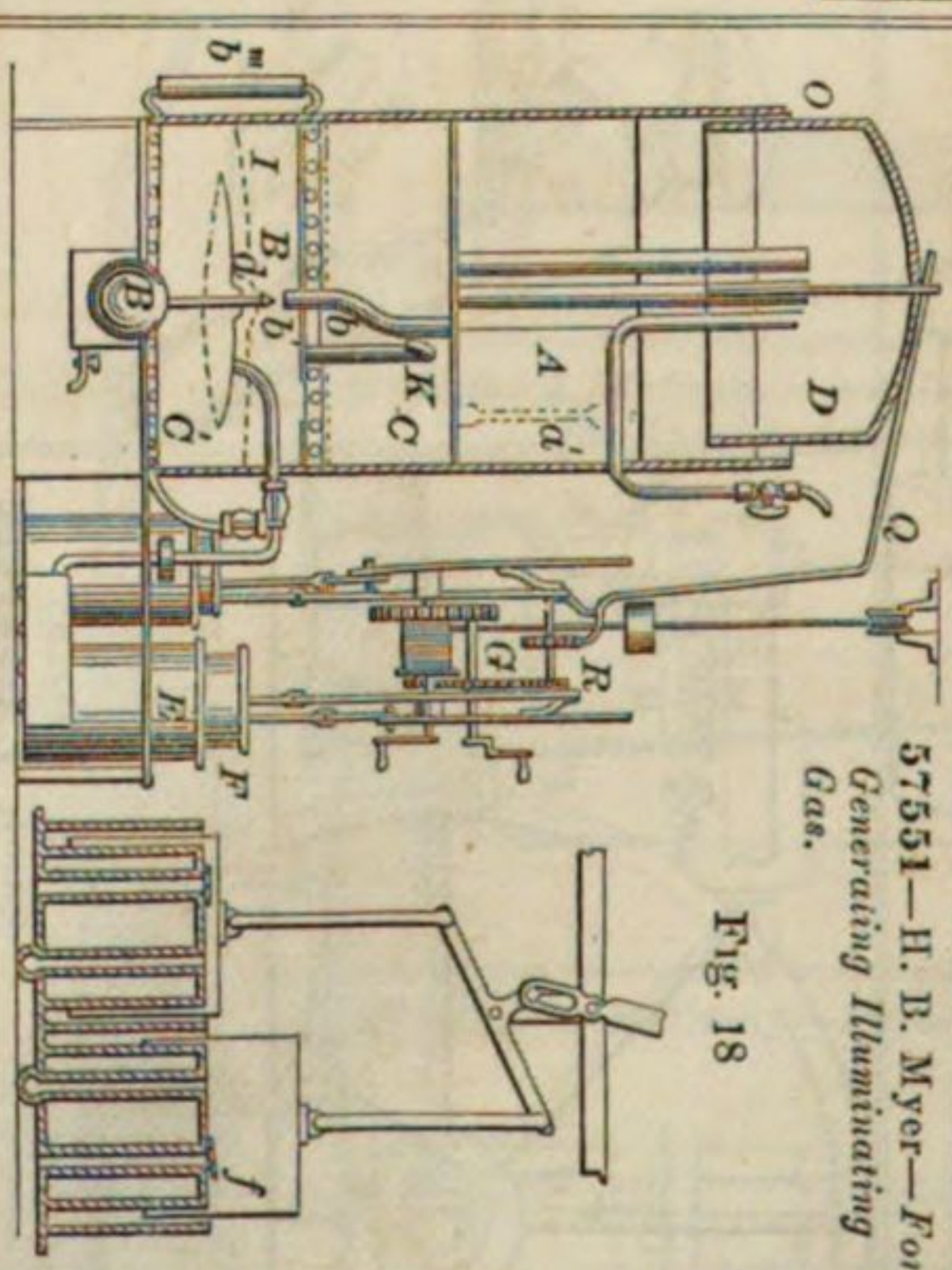
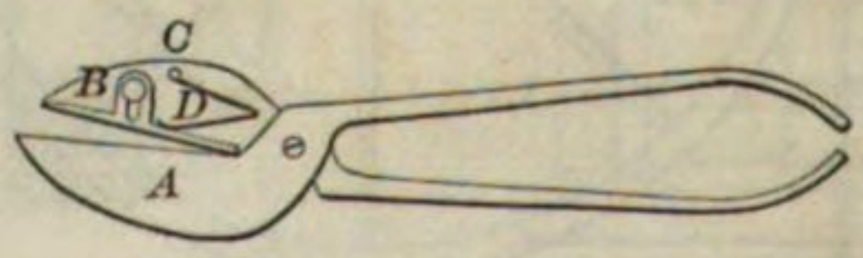


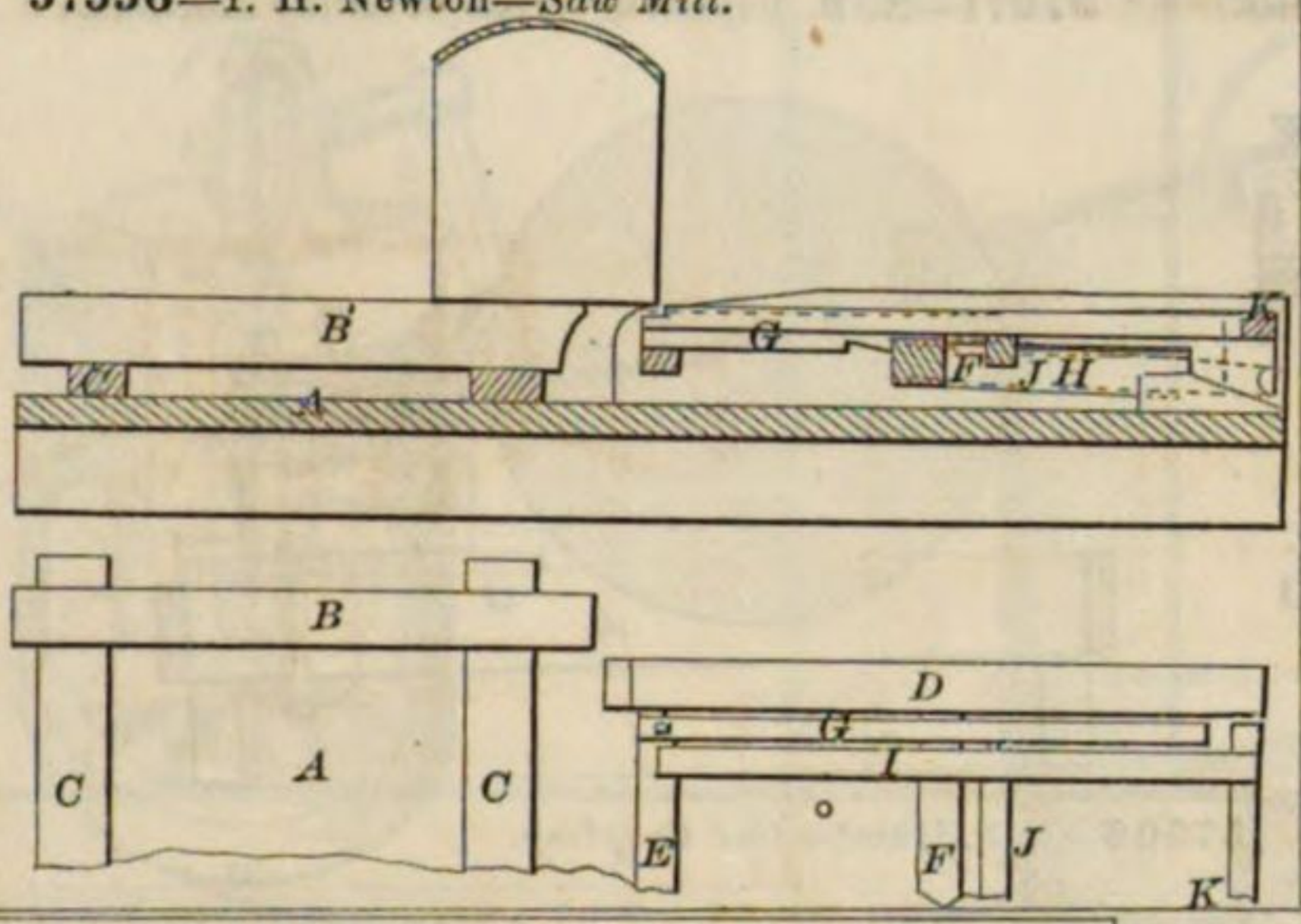
Fig. 18

57553—J. Neff. Jr.—*Fruit Picker.*

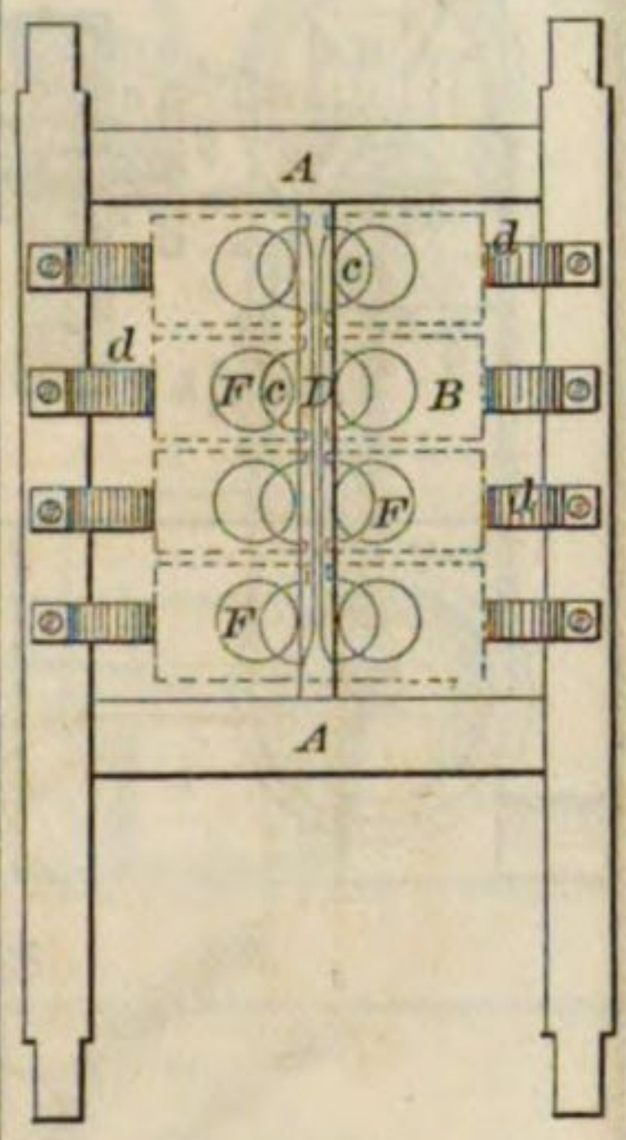


57555—N. C. Newell—*Covered Button.*

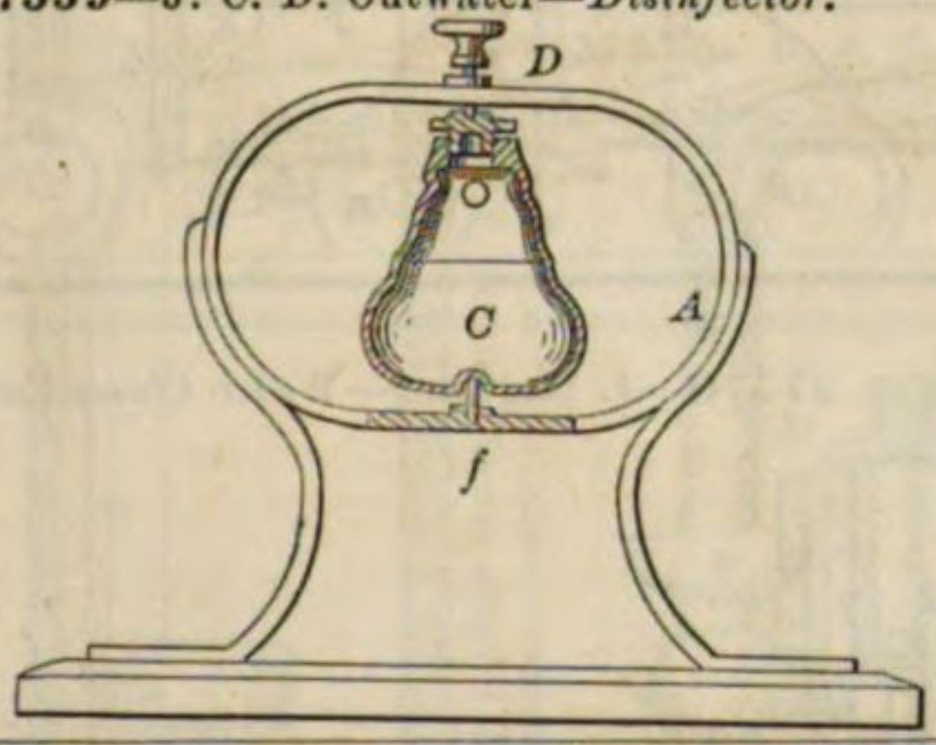
57556—I. H. Newton—*Saw Mill.*



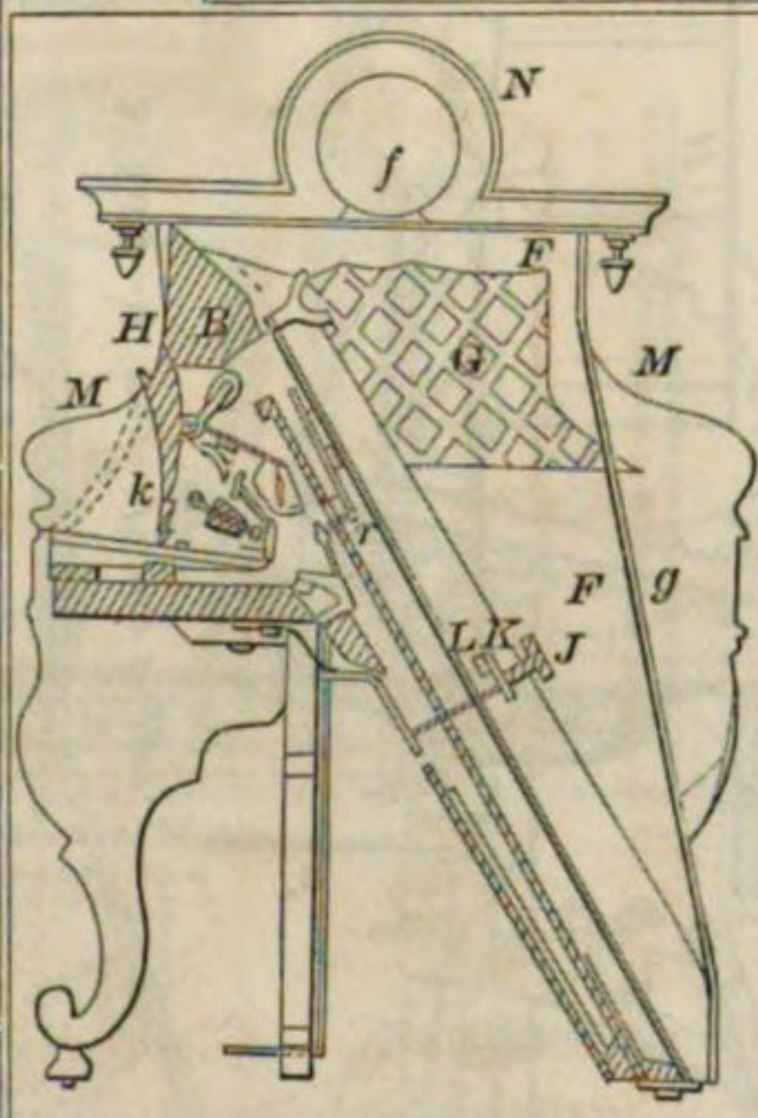
57557—D. H. Nichols—*Sorghum Stripper.*



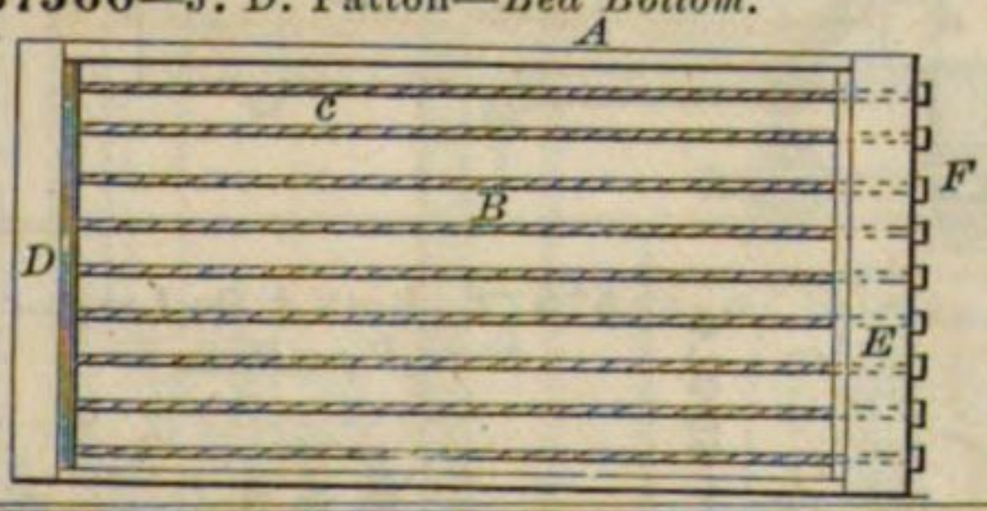
57559—J. C. D. Outwater—*Disinfector.*



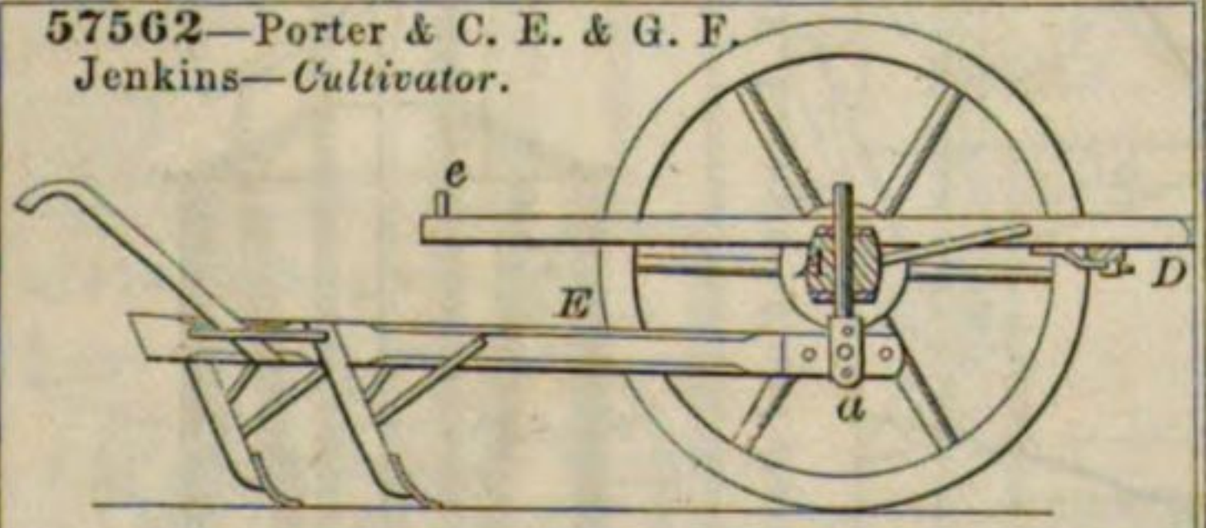
57558—J. W. Otto—*Piano.*



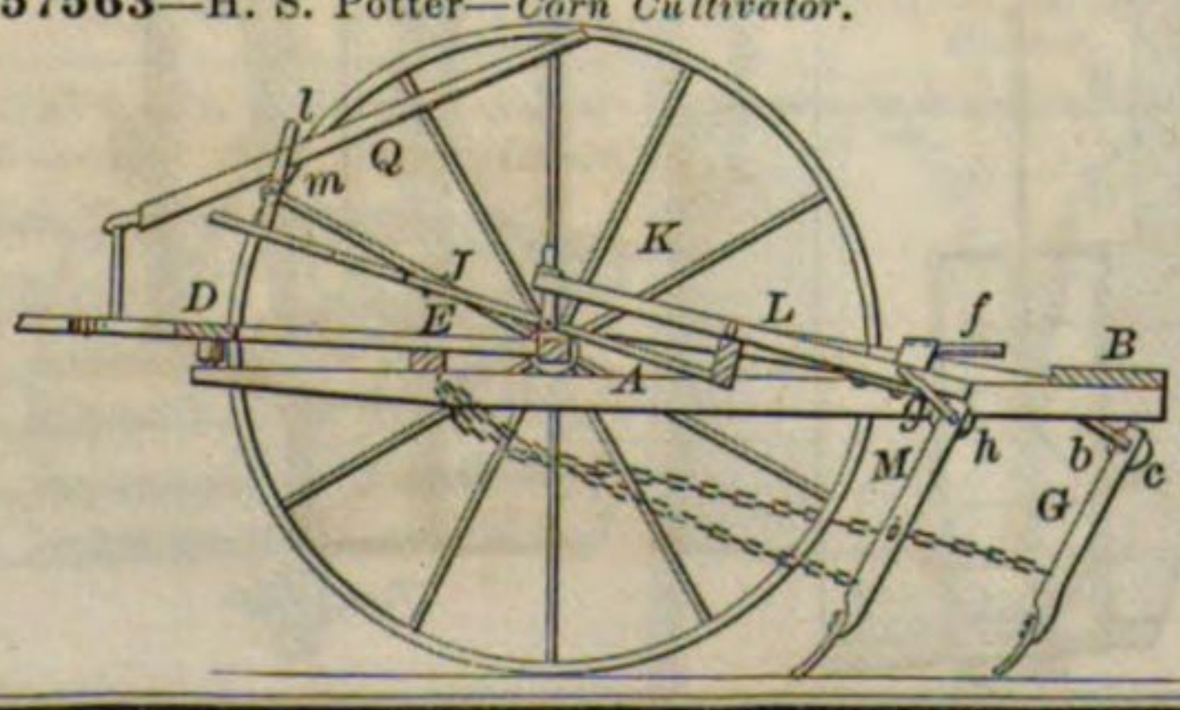
57560—J. D. Patton—*Bed Bottom.*



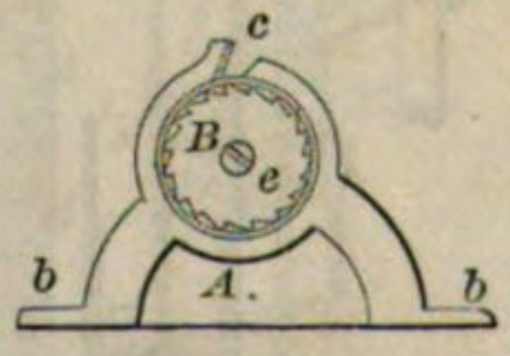
57562—Porter & C. E. & G. F. Jenkins—*Cultivator.*



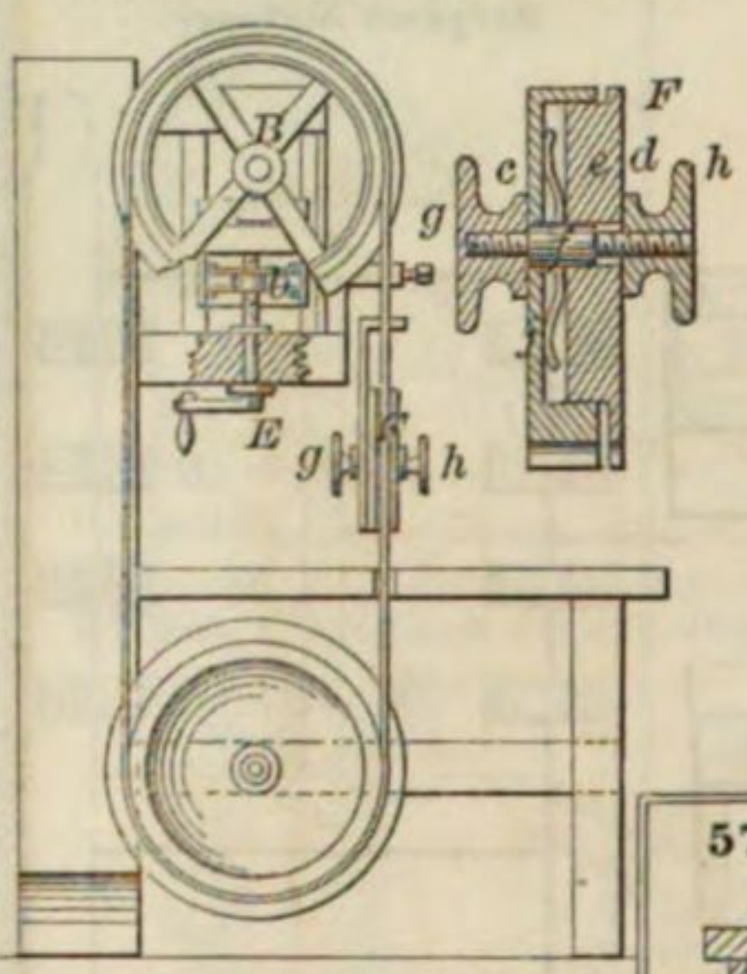
57563—H. S. Potter—*Corn Cultivator.*



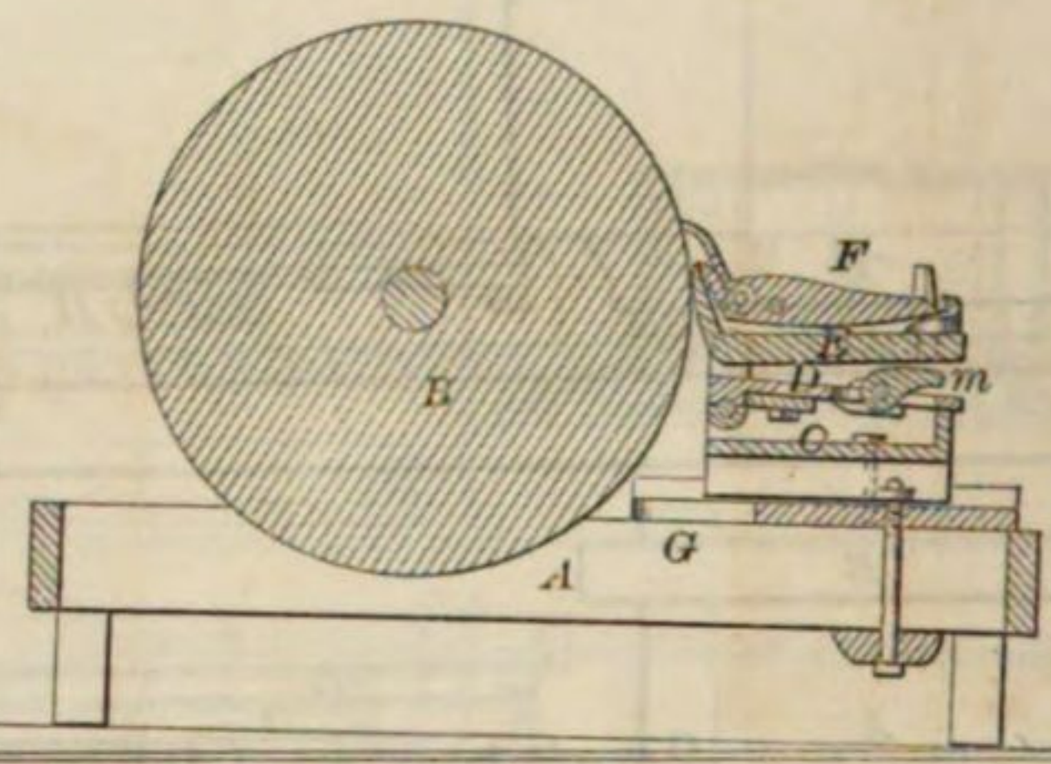
57564—Prosser & Lawson—*Knife and Scissors Sharpener.*



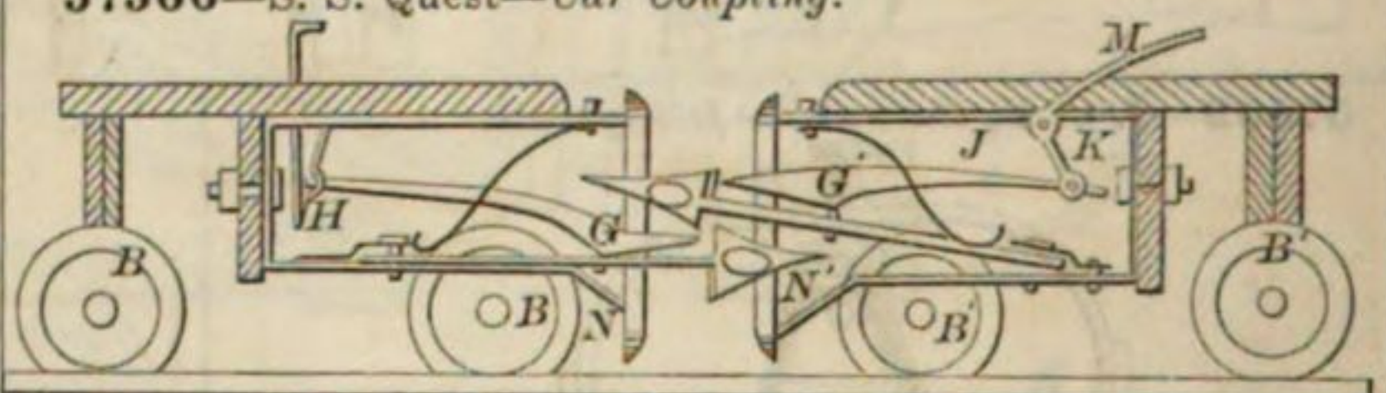
57565—P. Pryibril—*Saw Mill.*



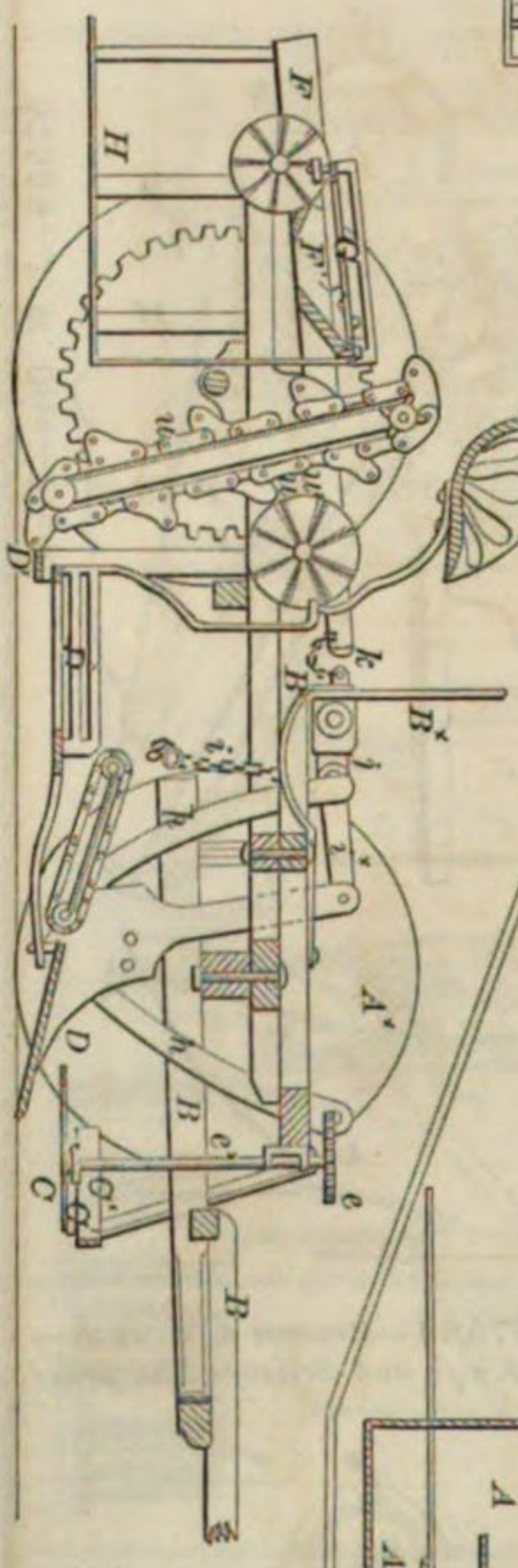
57571—N. B. Reynolds—*Tool Grinding Machine.*



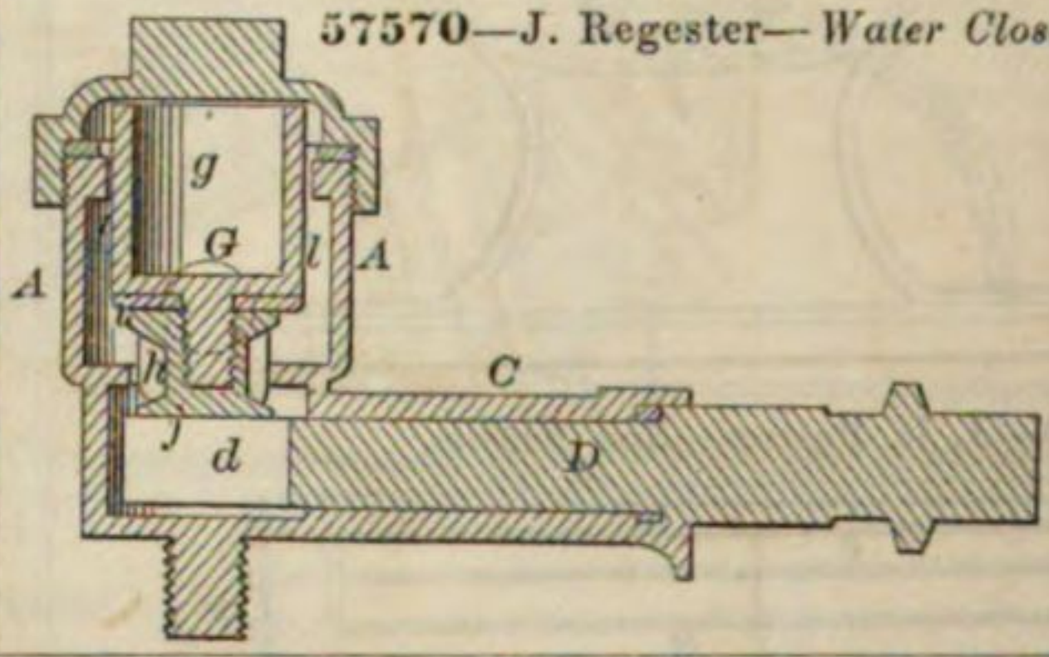
57566—S. S. Quest—*Car Coupling.*



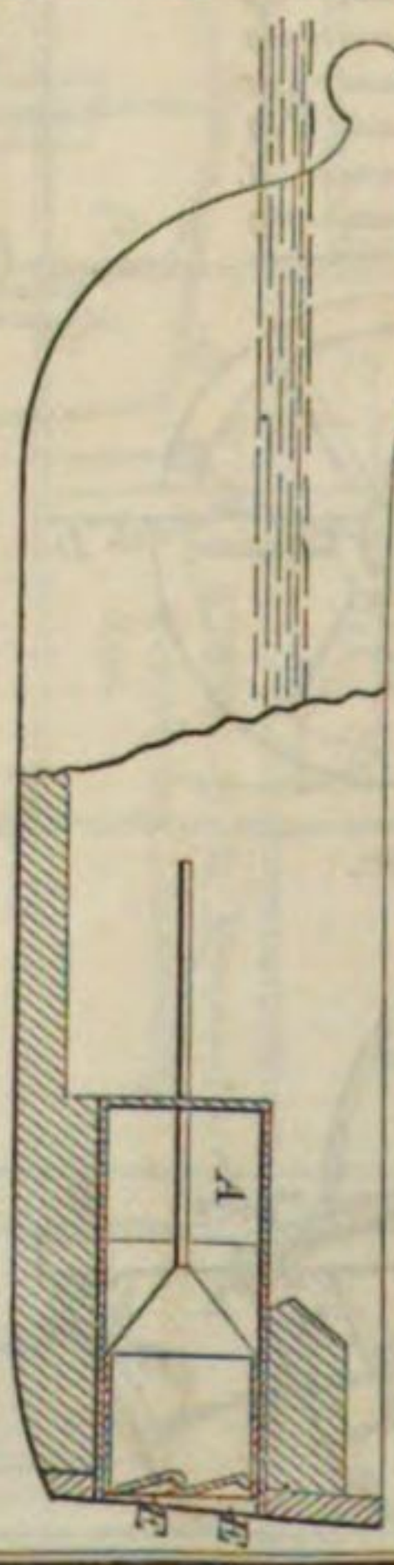
57568—G. Ray—*Potato Digger.*

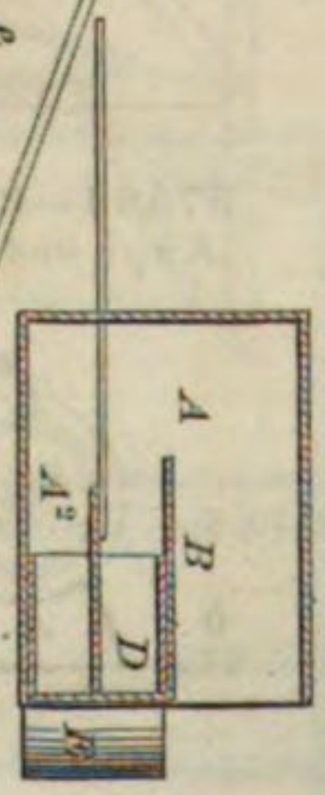


57570—J. Regester—*Water Closet Valve.*

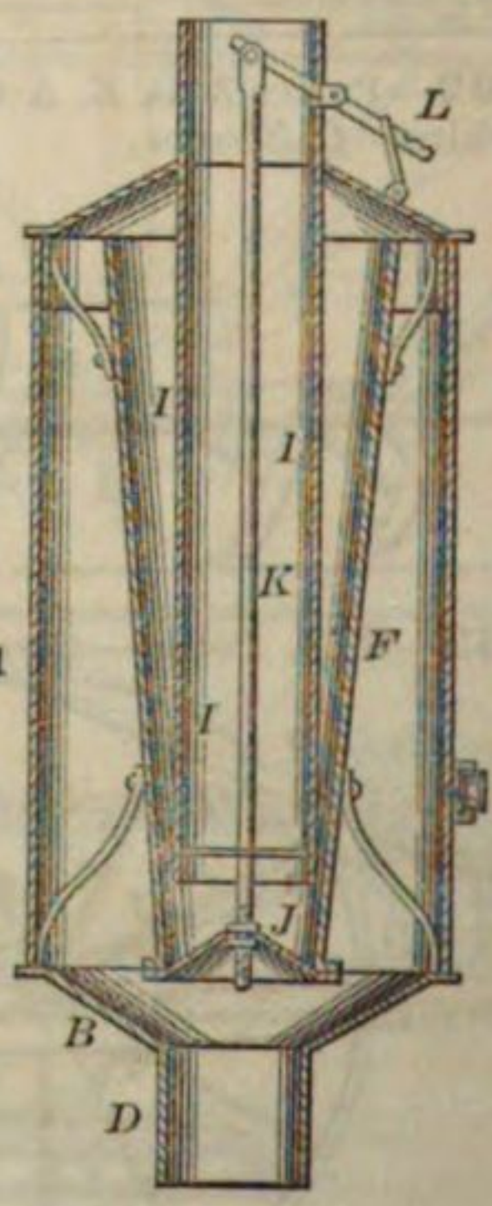


57569—E. Raynale—*Canal Boat Propeller.*

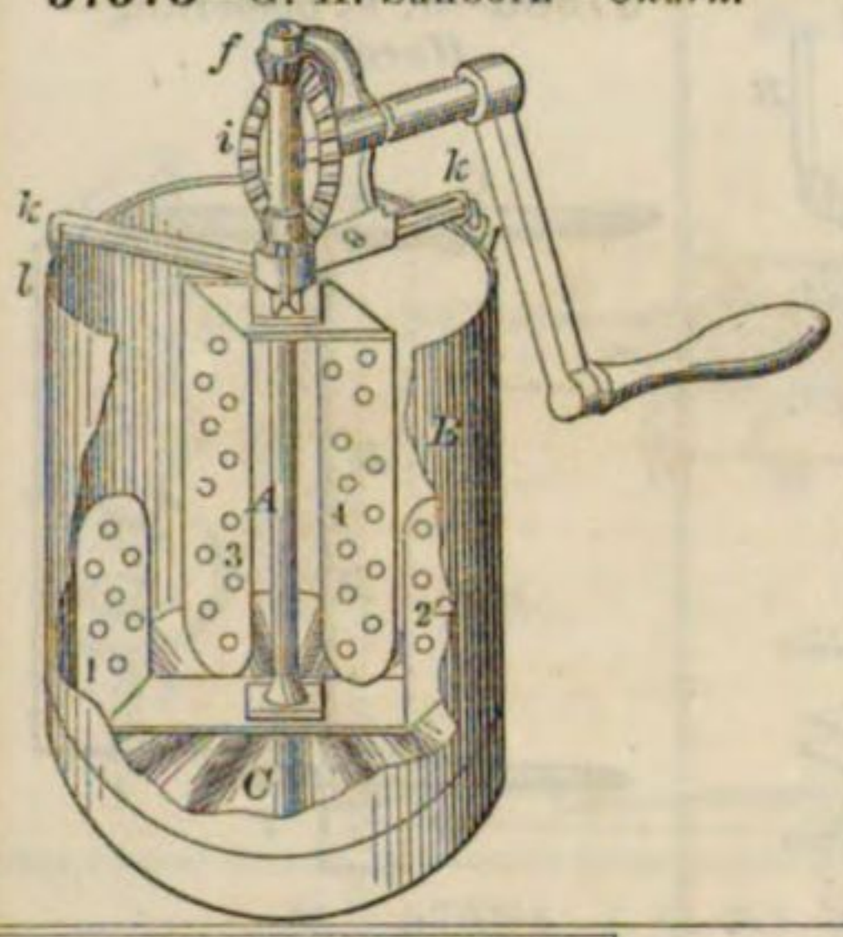




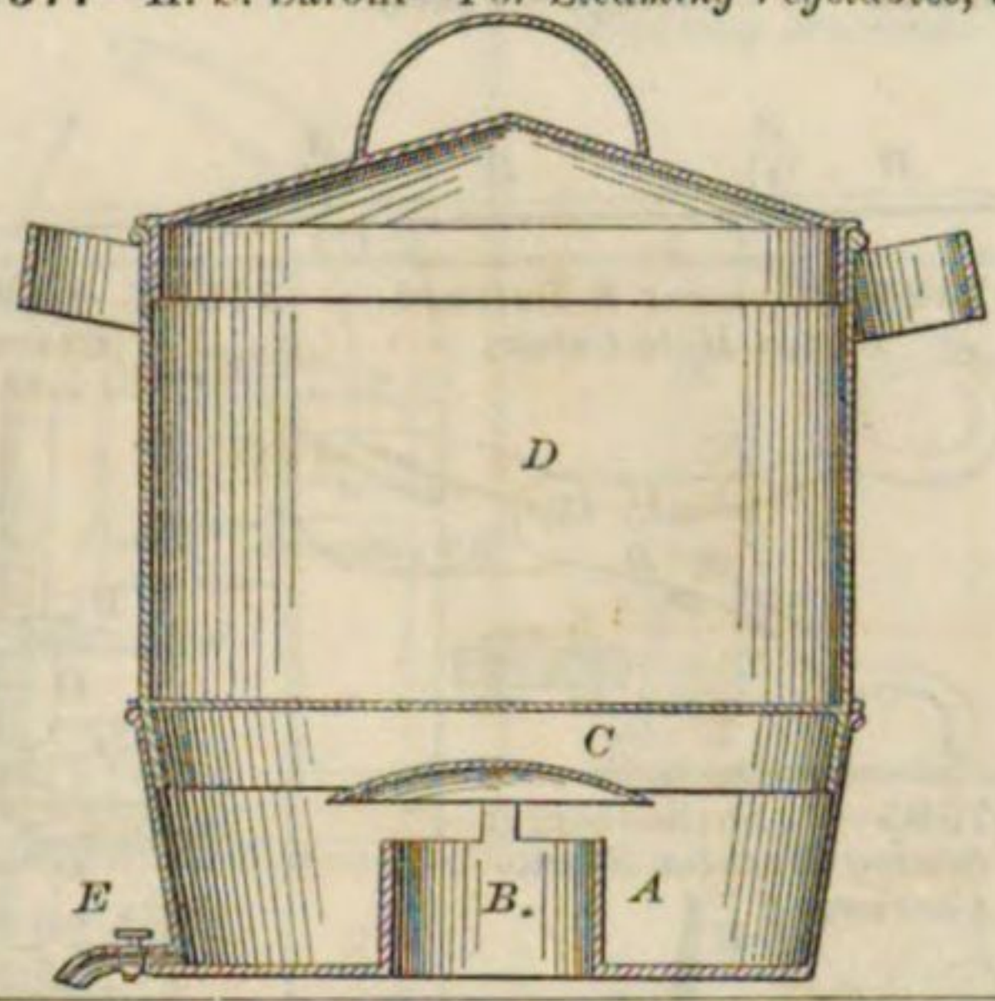
57572—Ruth & De Long—
Stove Pipe Drum



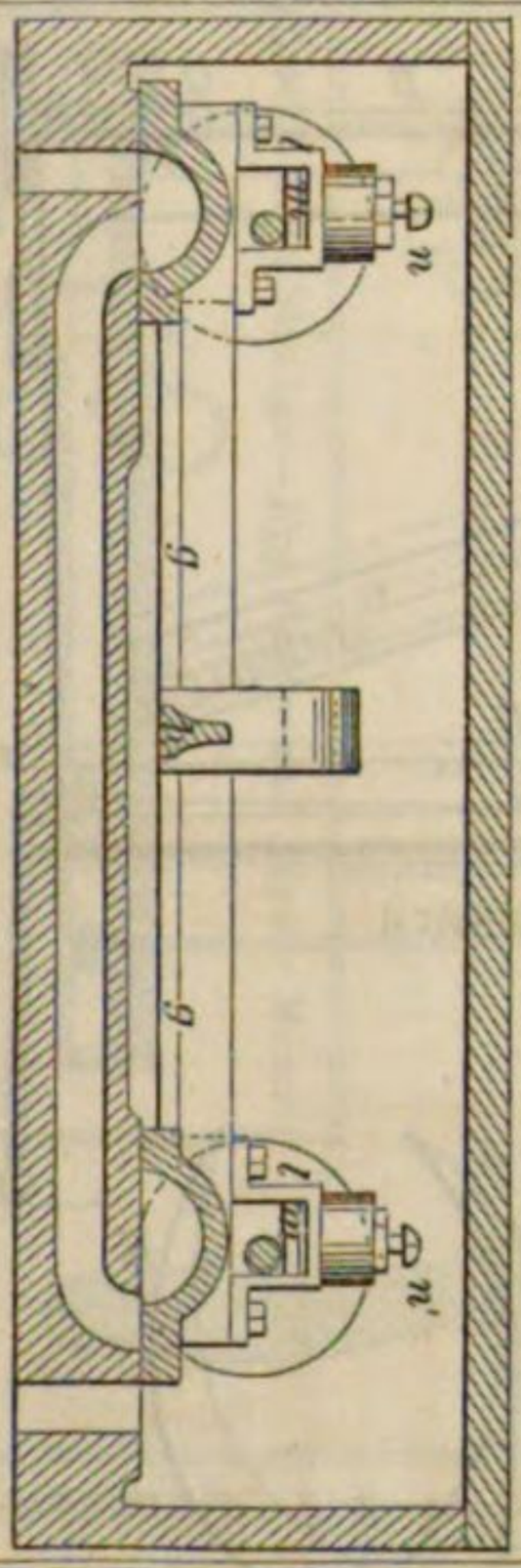
57573—G. H. Sanborn—*Churn.*



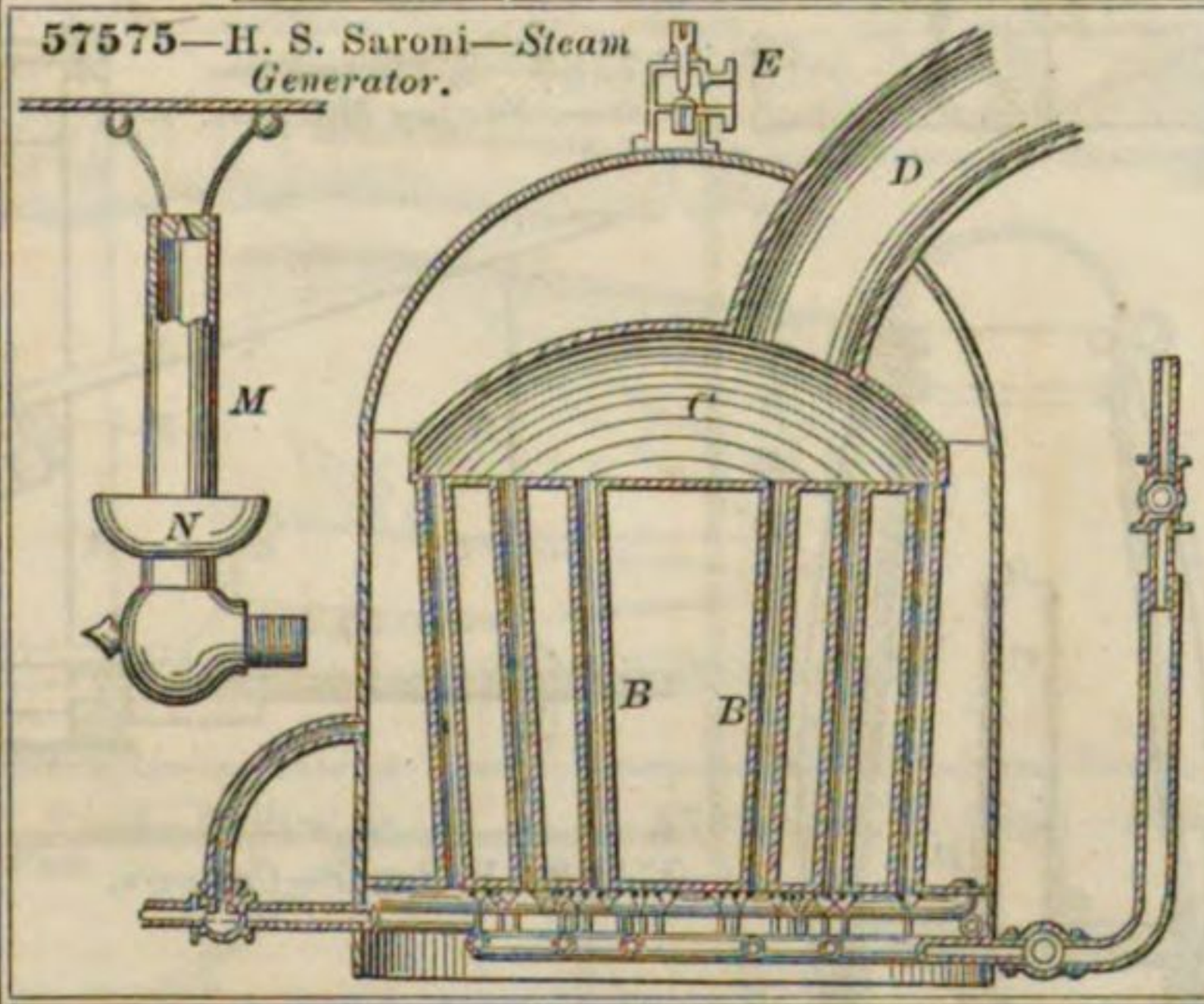
57577—H. S. Saroni—*For Steaming Vegetables, &c.*



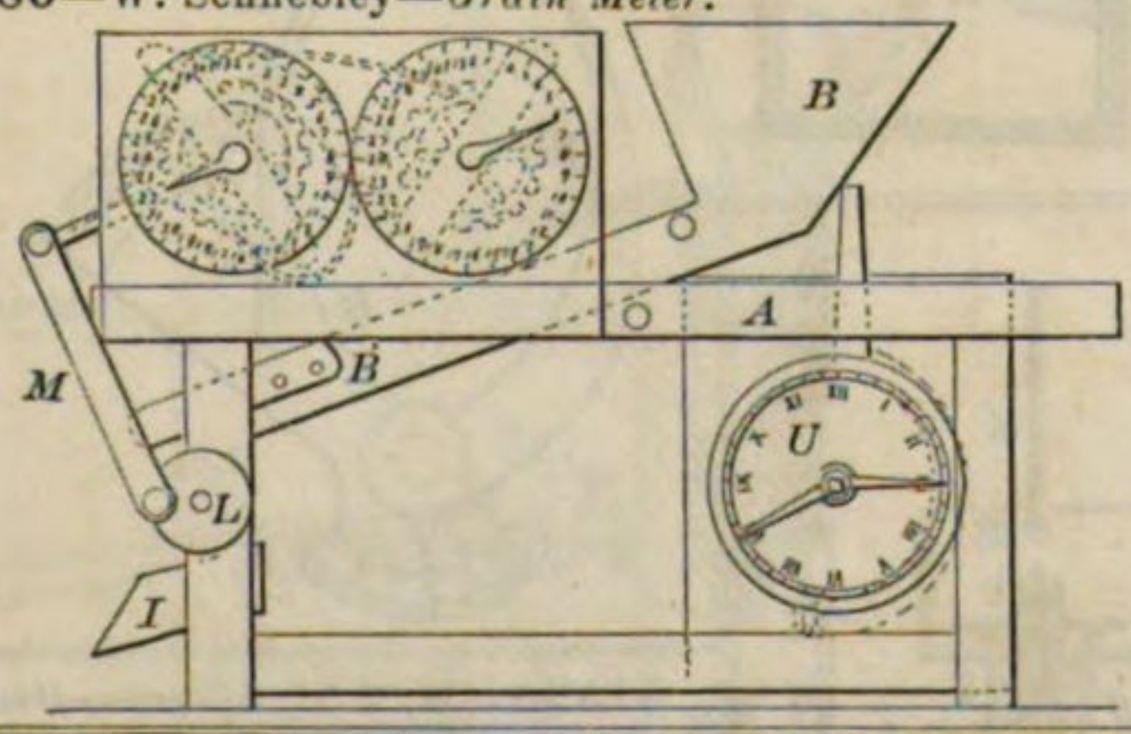
57579—T. Sault—*Steam Engine Slide Valve.*



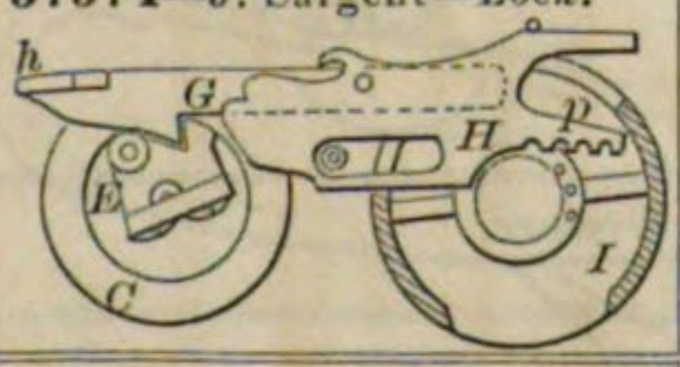
57575—H. S. Saroni—*Steam Generator.*



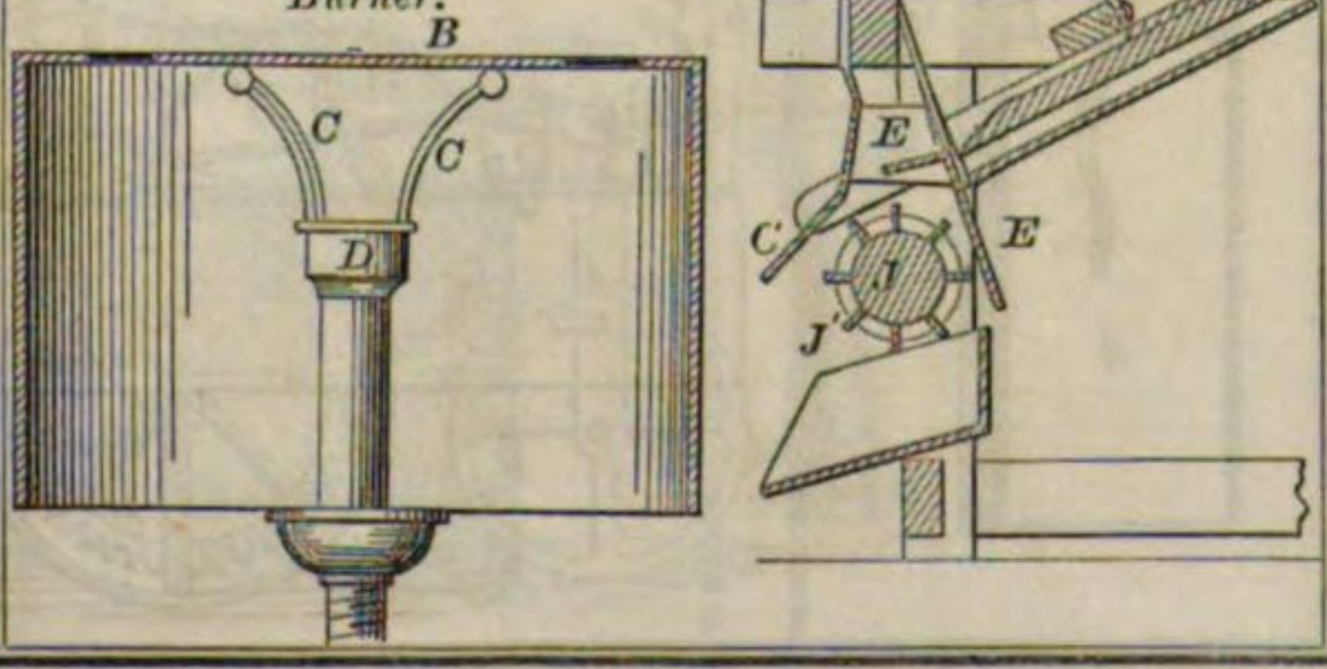
57580—W. Schnebley—*Grain Meter.*



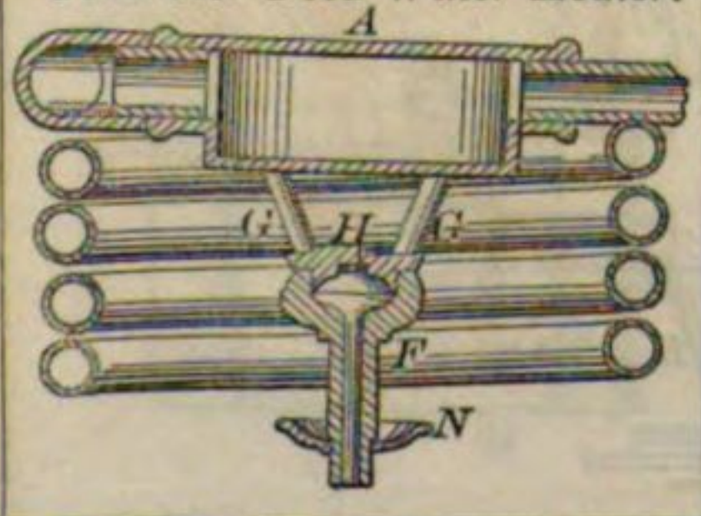
57574—J. Sargent—*Lock.*



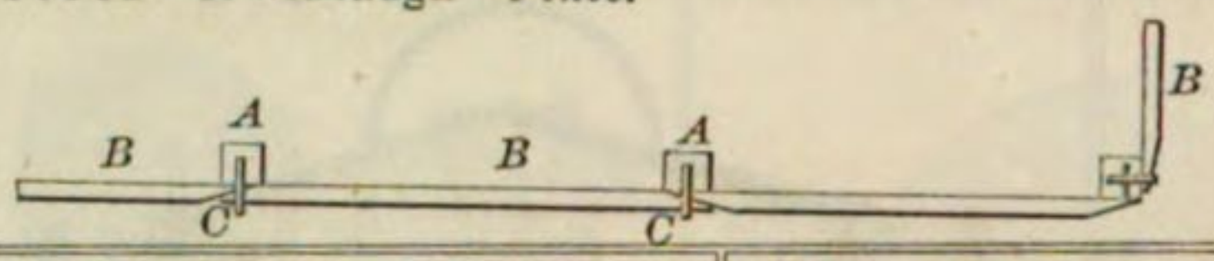
57578—H. S. Saroni—*Vapor Burner.*



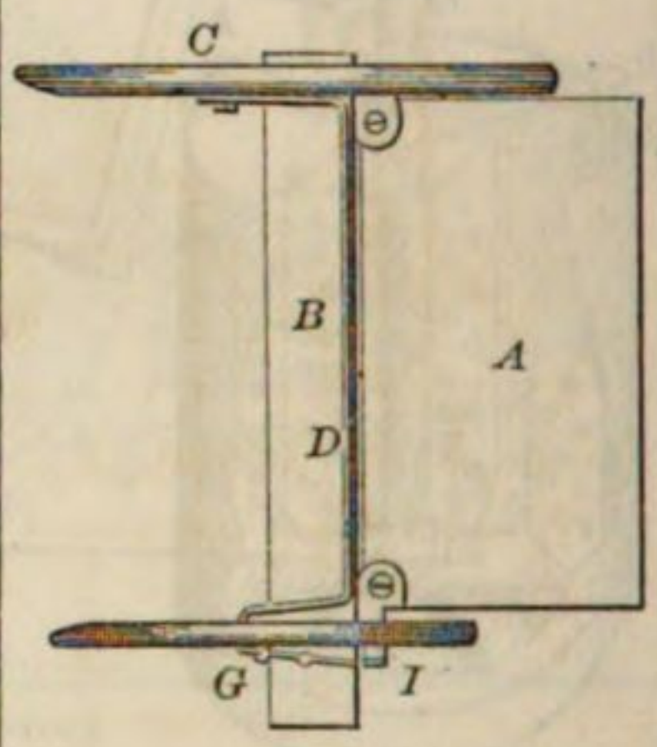
57576—H. S. Saroni—*Steam Generator Feed Water Heater.*



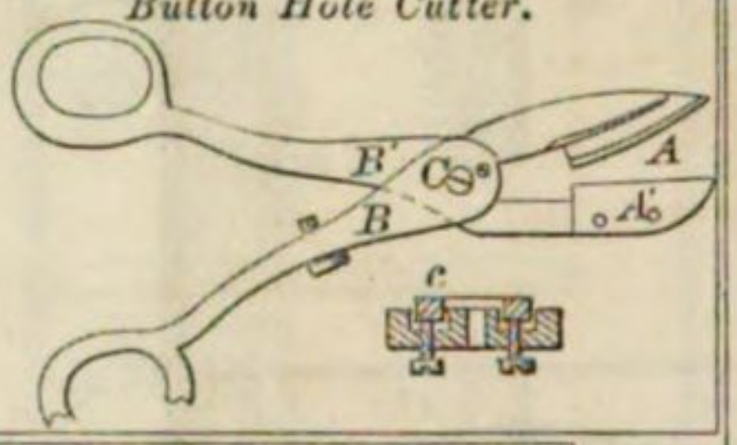
57581—C. Seabaugh—*Fence.*



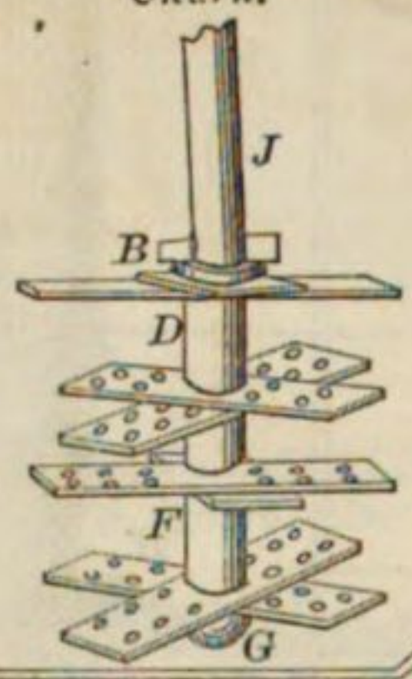
57583—J. F. Seiberling—*Harvester.*



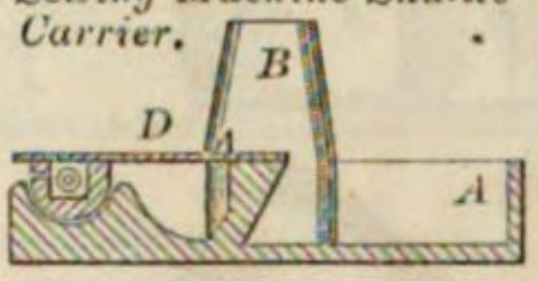
57584—Seymour & Barnard—*Button Hole Cutter.*



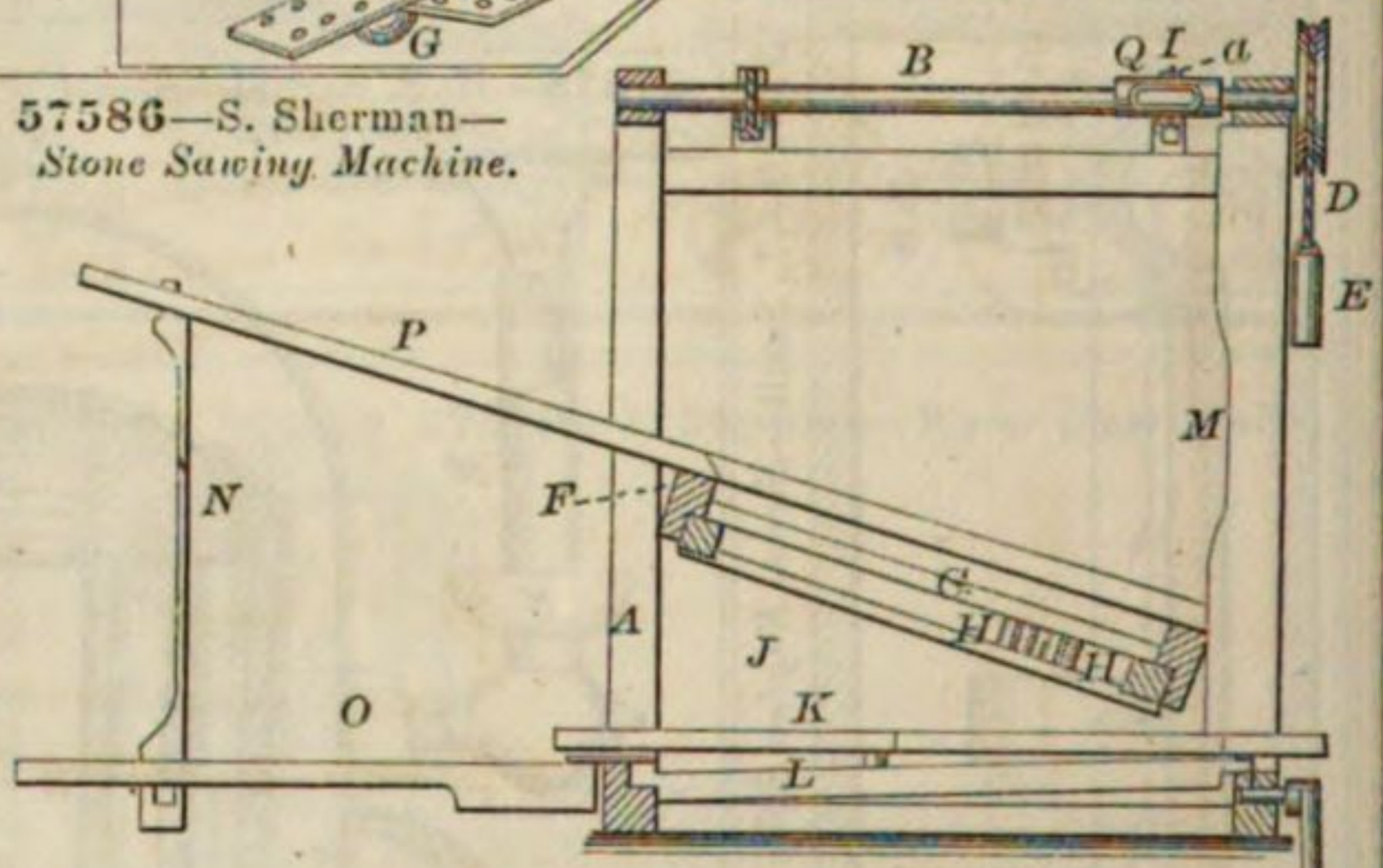
57582—O. W. Seely—*Churn.*



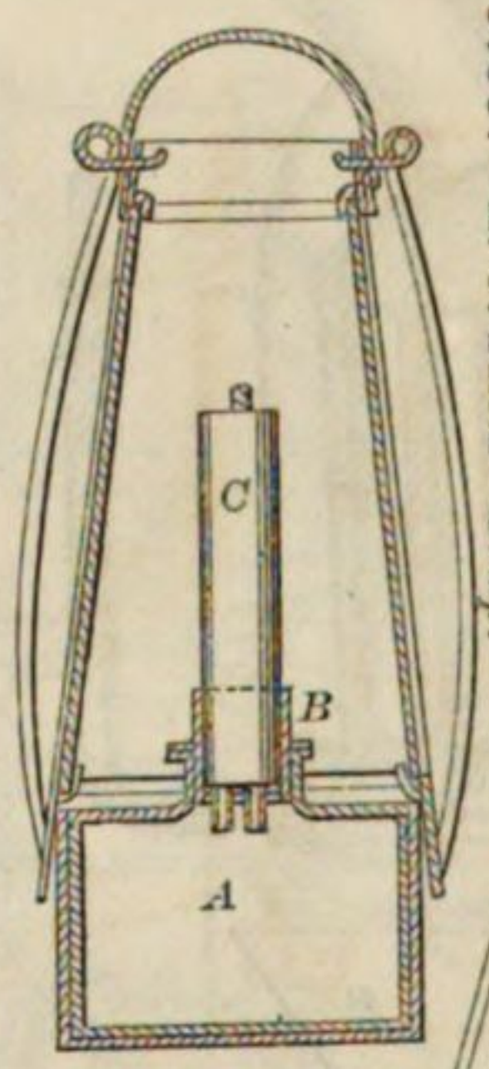
57585—J. Shellenberger—*Sewing Machine Shuttle Carrier.*



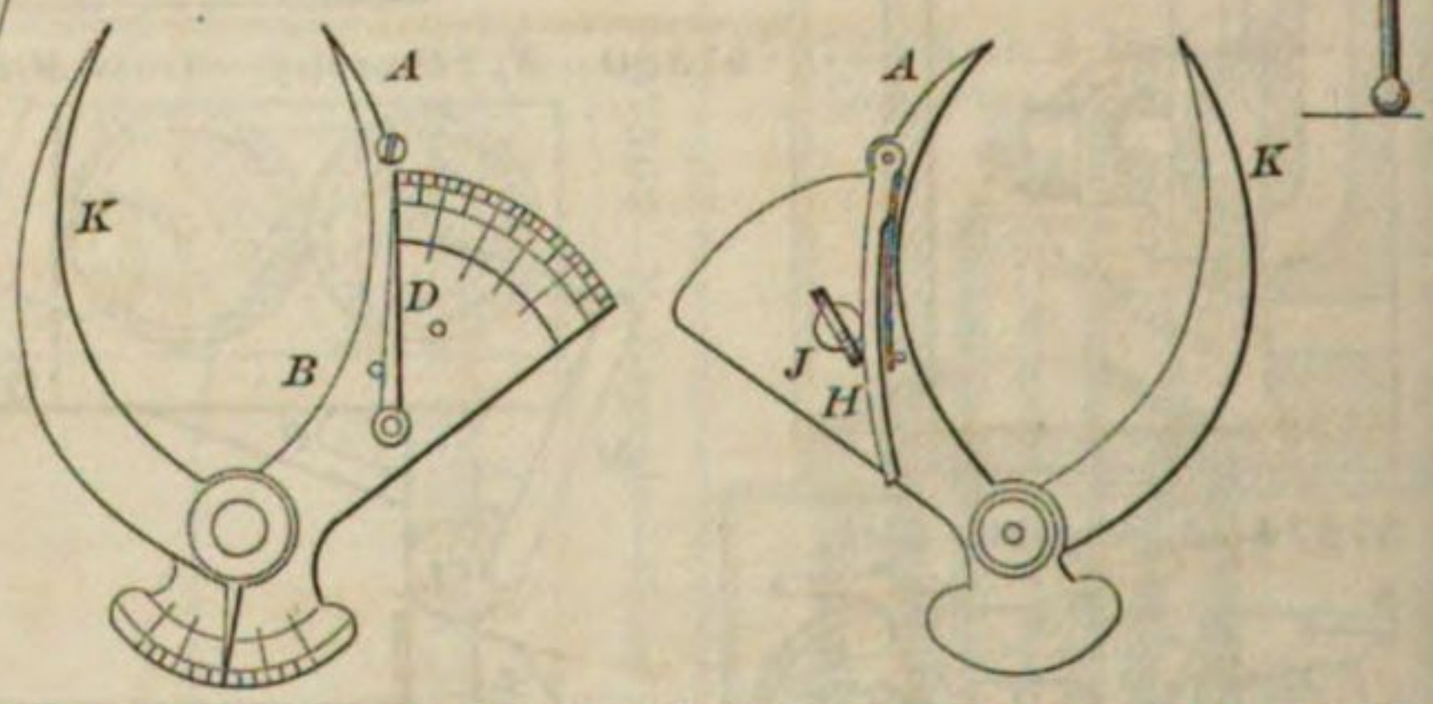
57586—S. Sherman—*Stone Sawing Machine.*



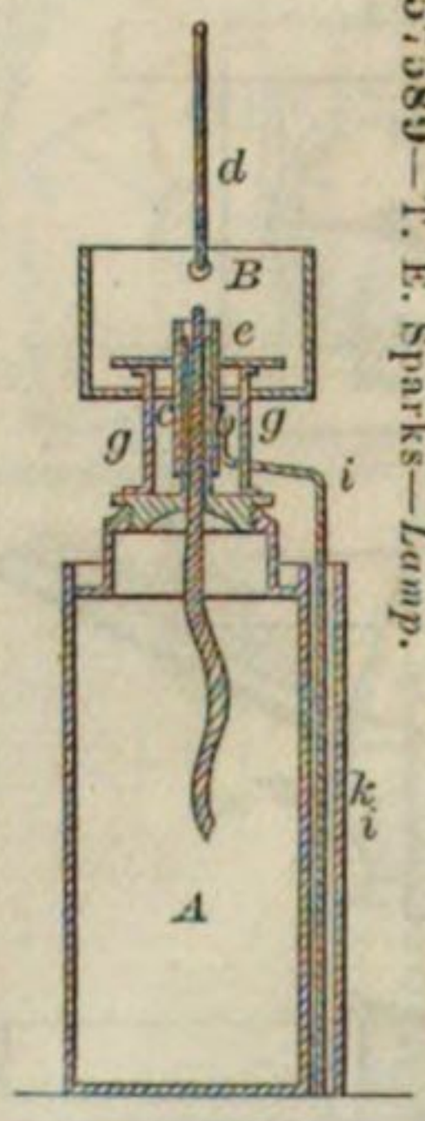
57587—A. G. Smith—*Lamp.*



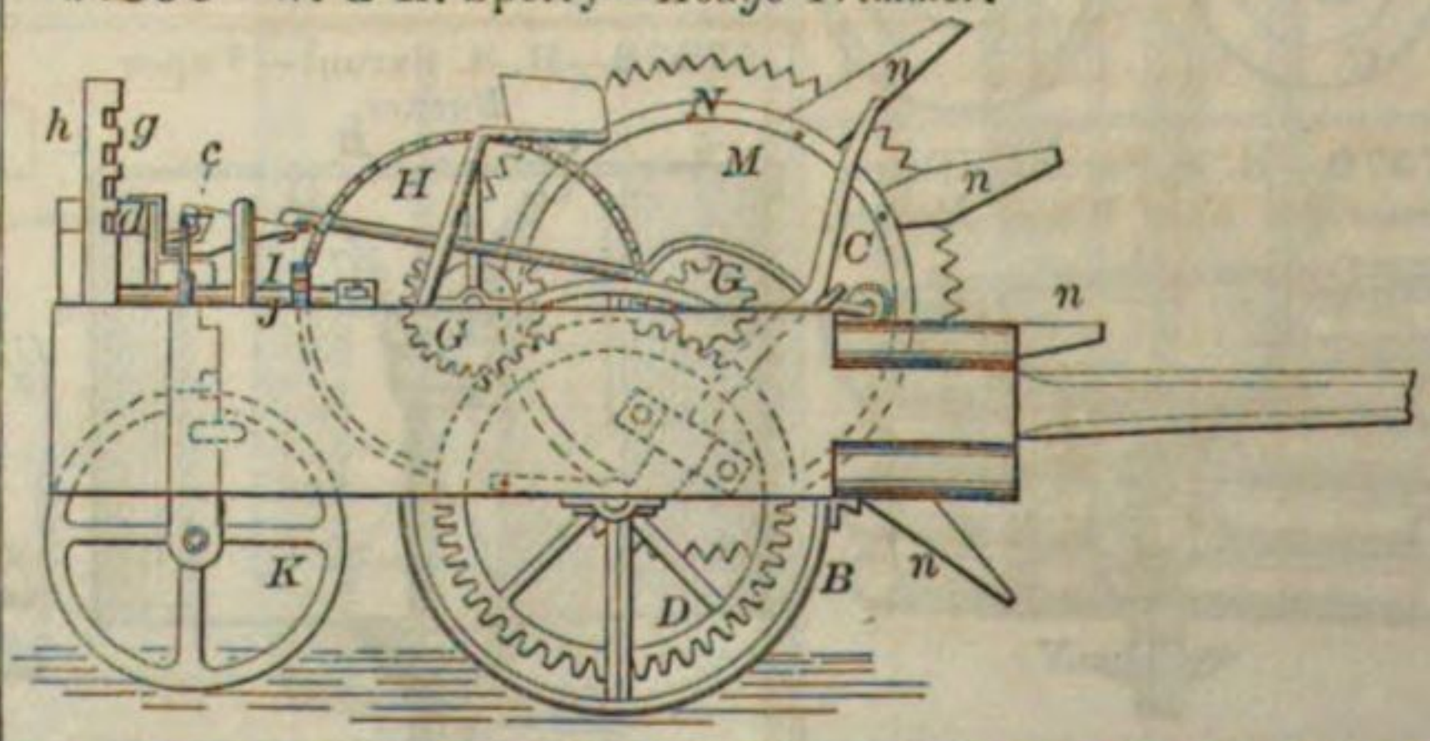
57588—P. Soper—*Calipers.*



57589—T. E. Sparks—*Lamp.*

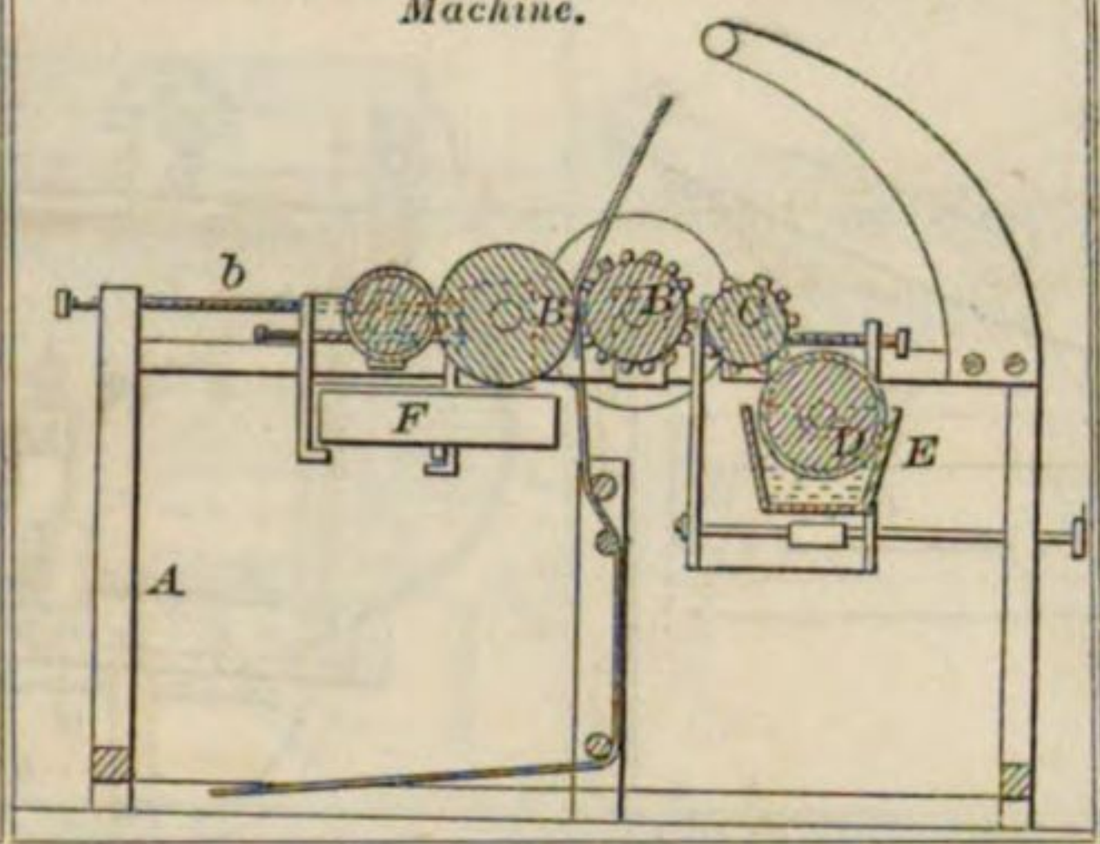


57590—W. & H. Sperry—*Hedge Trimmer.*

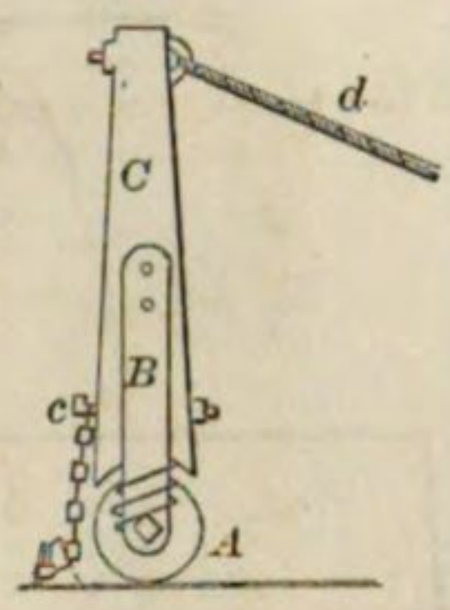


57591—C. E. Staples—*Sewing Work Holder and Scissors Sharpener.*

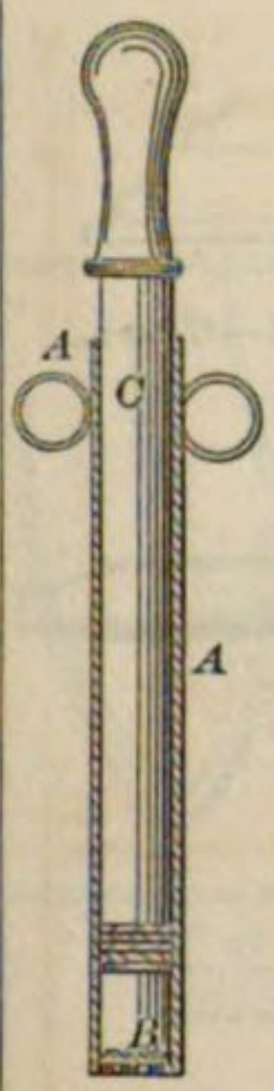
57592—Stephens & Green—*Yarn Printing Machine.*



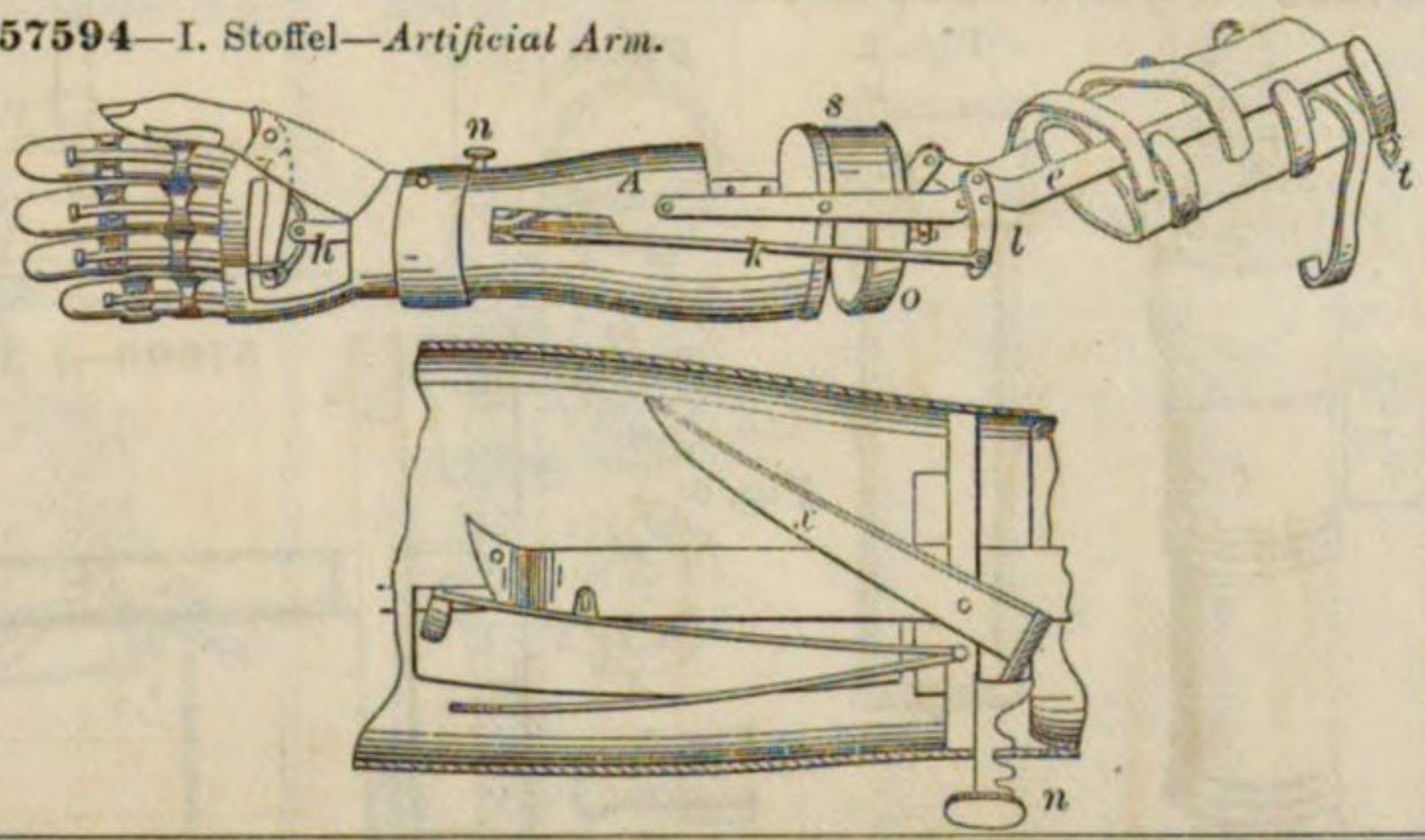
57593—W. W. St. John—*Grubbing Machine.*



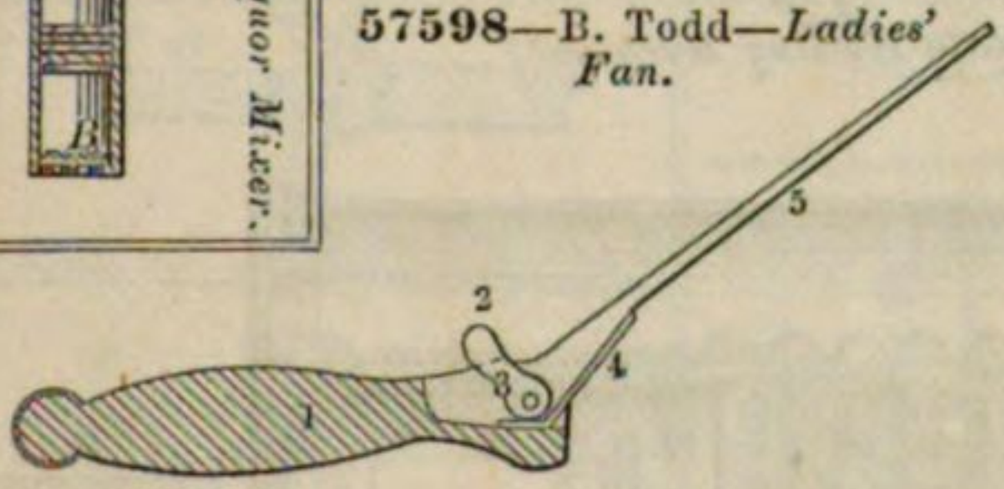
57596—E. C. Strange—*Egg Beater and Liquor Mixer.*



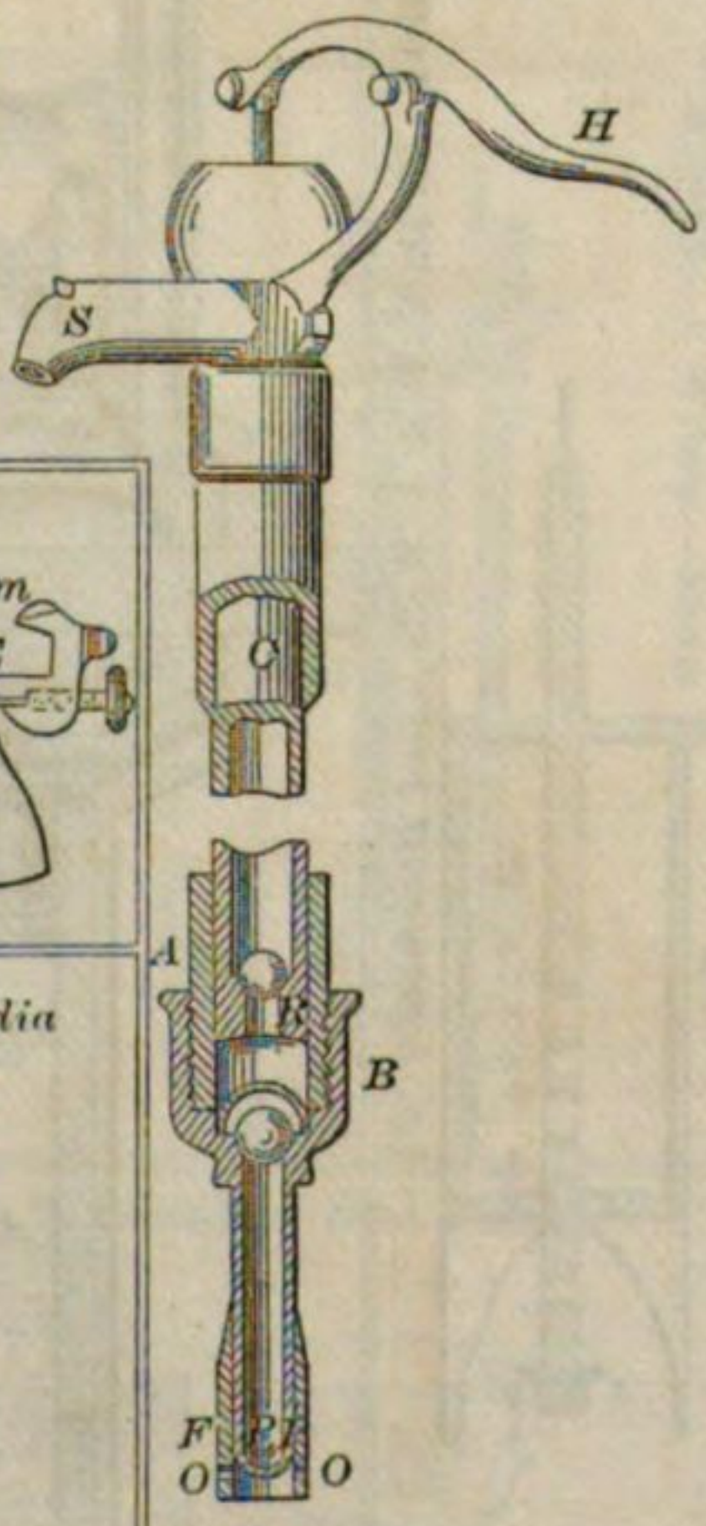
57594—I. Stoffel—*Artificial Arm.*



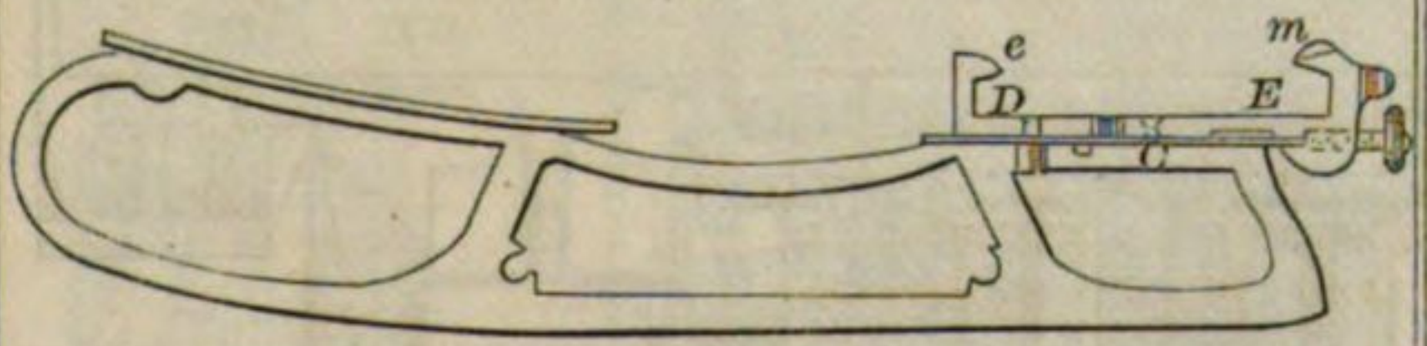
57598—B. Todd—*Ladies' Fan.*



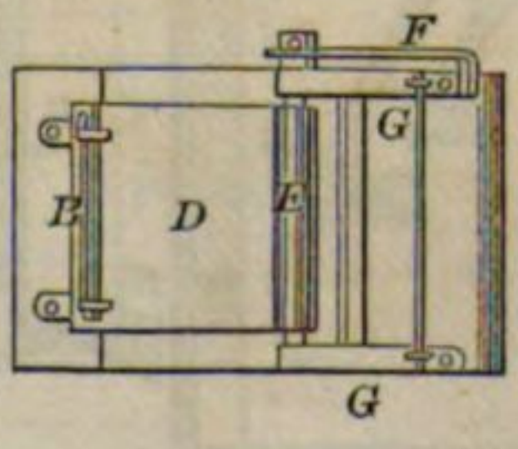
57595—R. E. Strait—*Pump.*



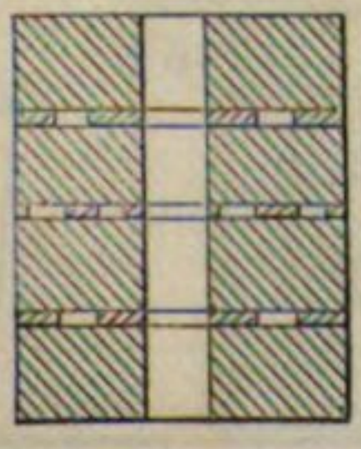
57597—W. A. Sutton—*Skate.*



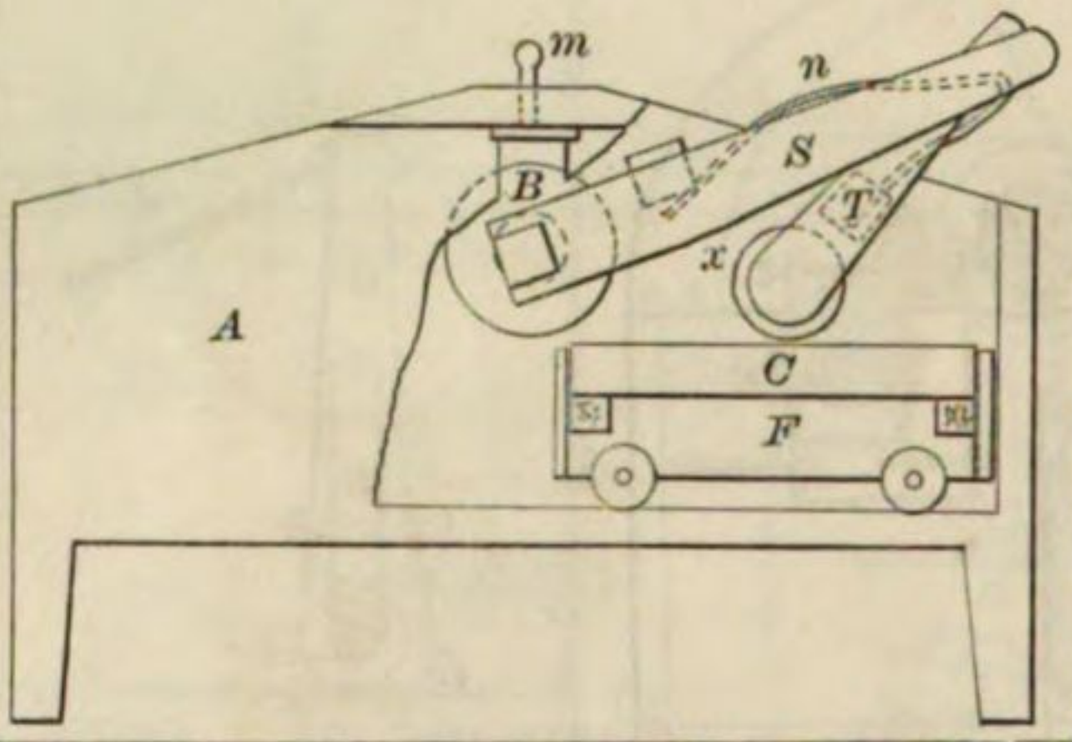
57599—R. Van Horn—*Expanding Cheese Hoops.*



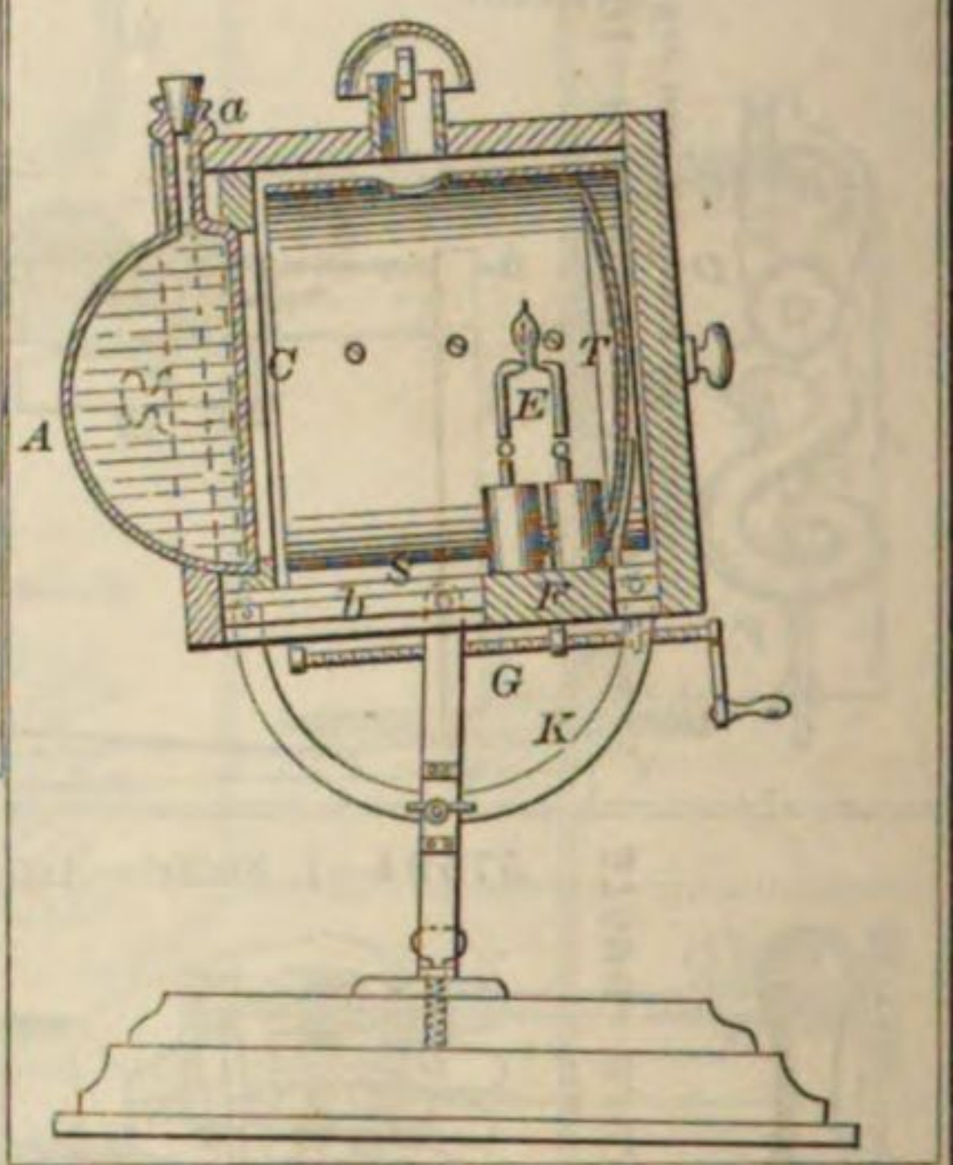
57600—R. Vose—*India Rubber Car Spring.*



57601—D. T. Ward—*Washing Machine.*



57602—O. Warden—*Fluid Lens.*



57603—T. Weaver—*Whip Socket.*

Fig. 2.

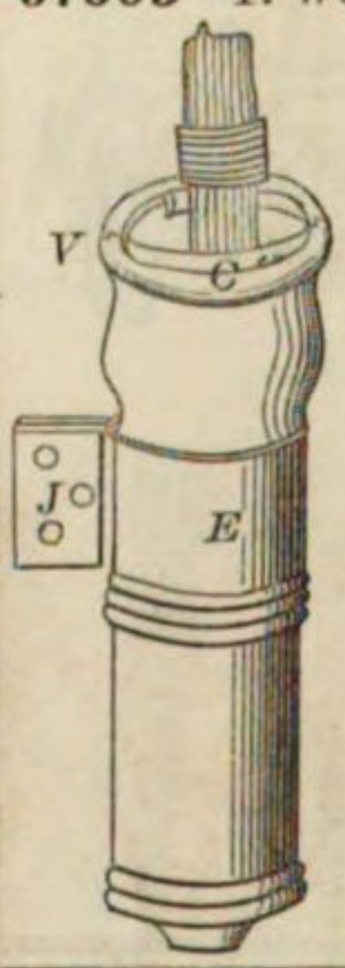


Fig. 3

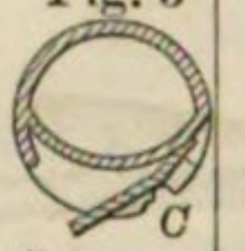


Fig. 5

Fig. 6

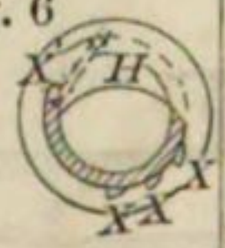
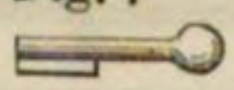
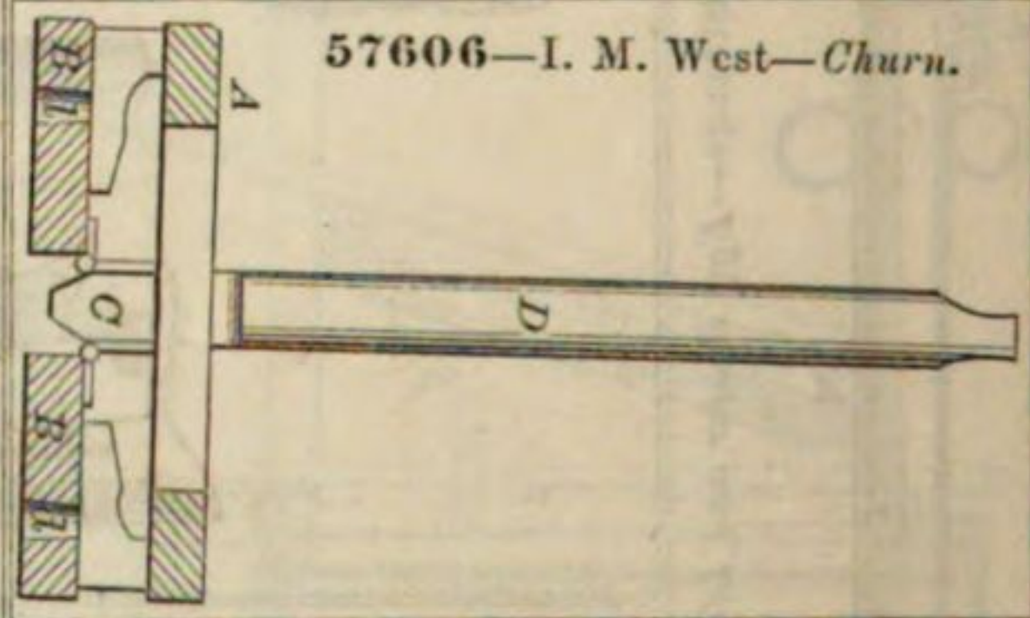


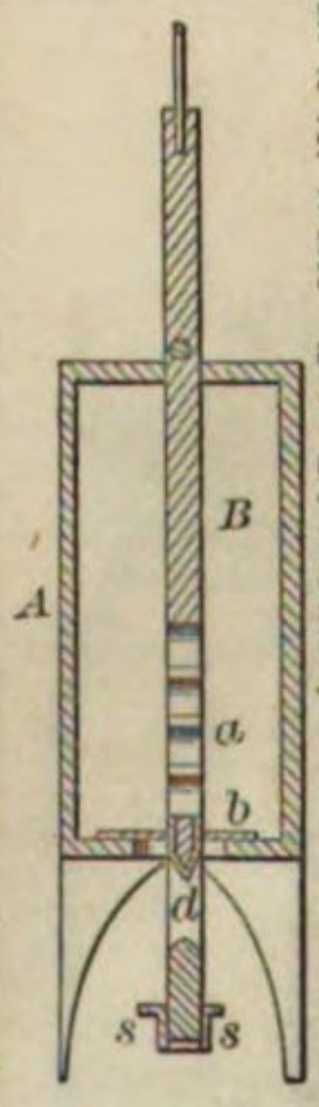
Fig. 7



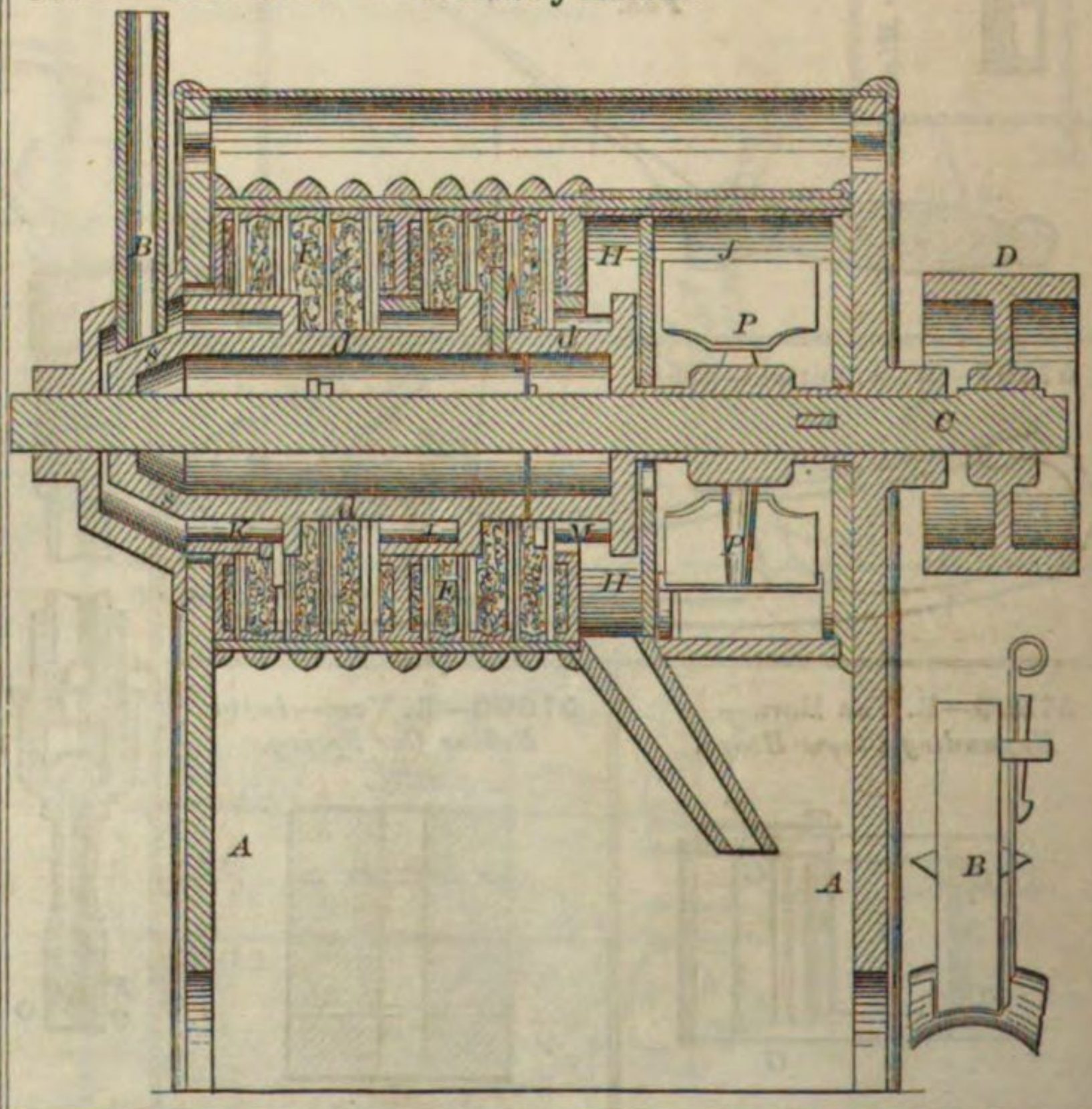
57606—I. M. West—*Churn.*



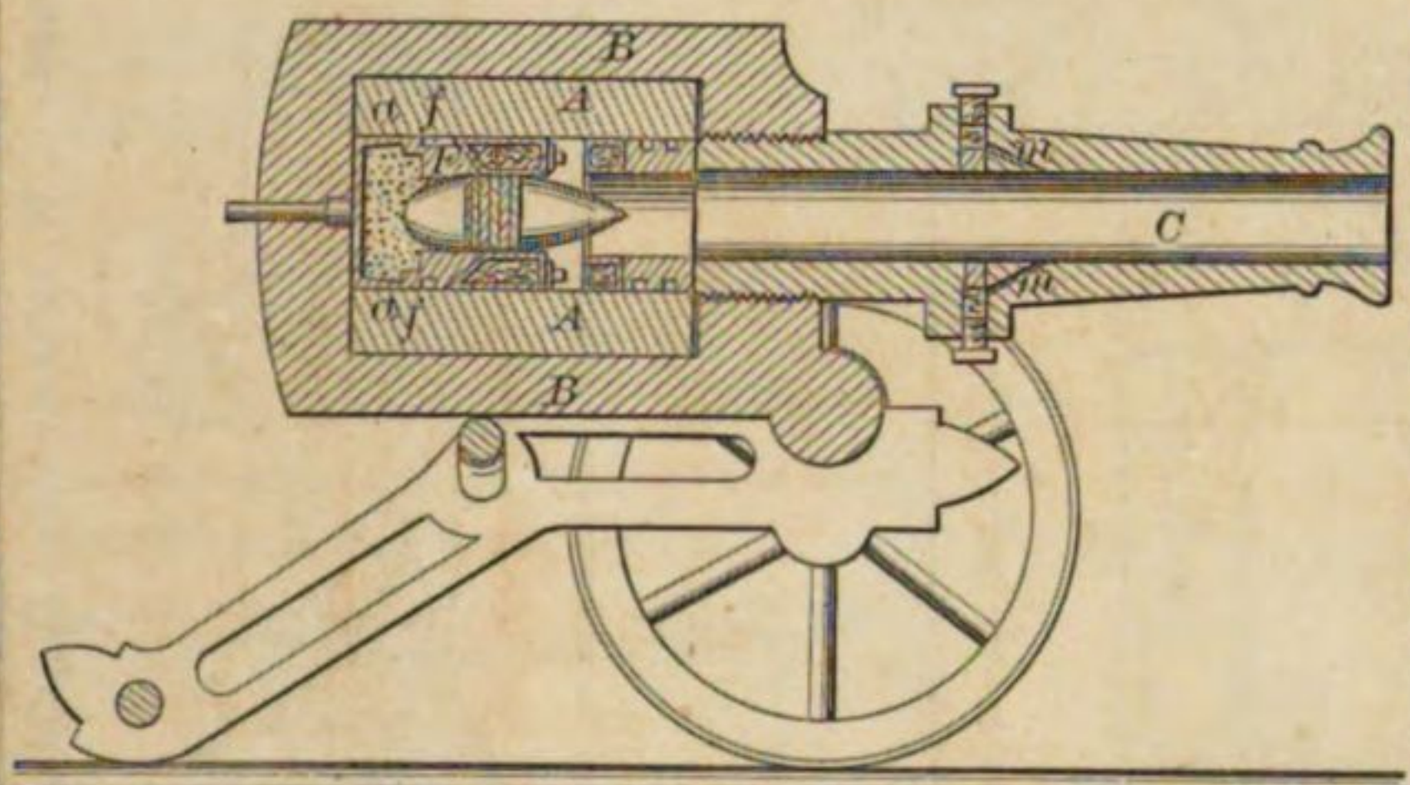
57604—M. D., C. E. & A. Wells—*Seed Distributor.*



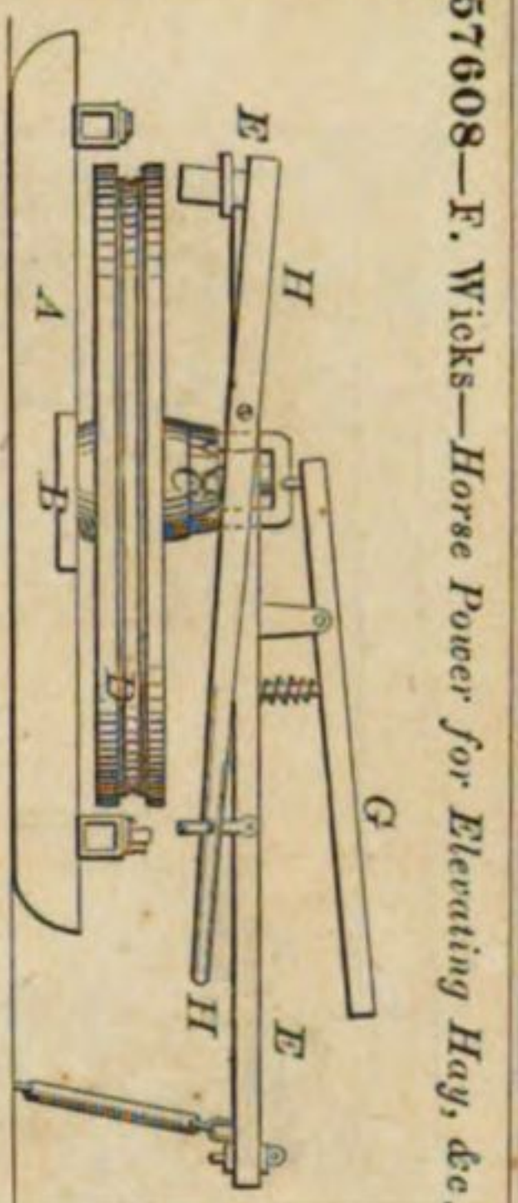
57605—J. A. Welsh—*Grain Hulling Machine.*



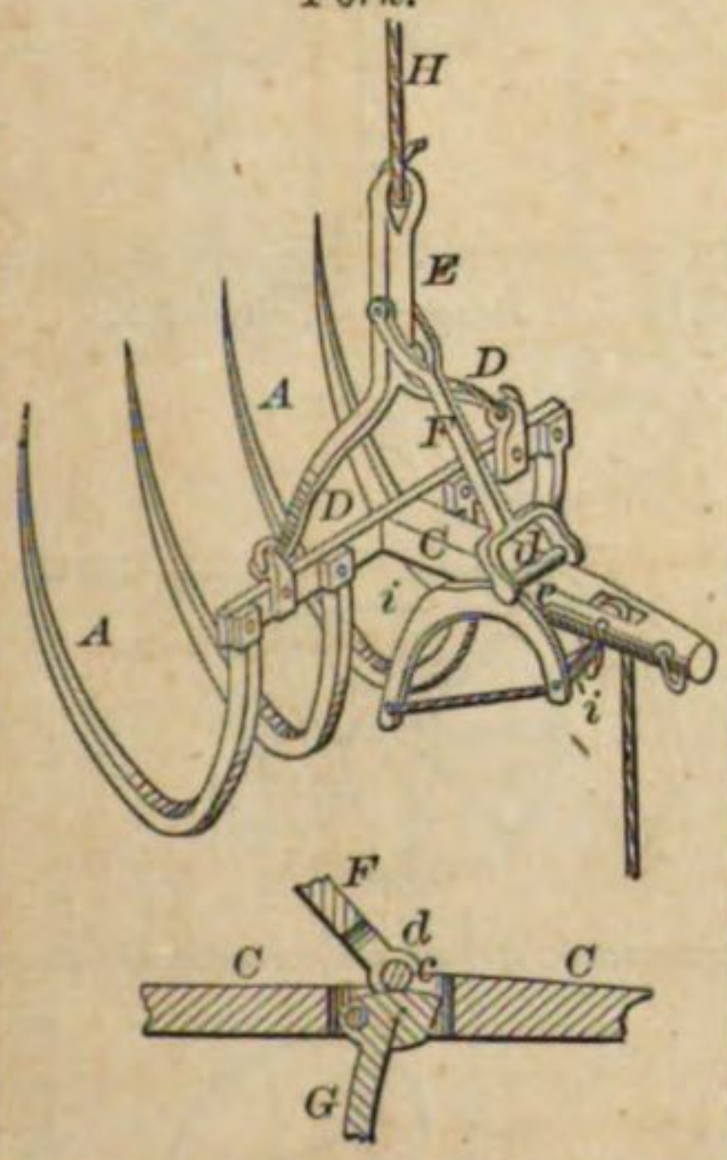
57607—R. White—*Fire Arm.*



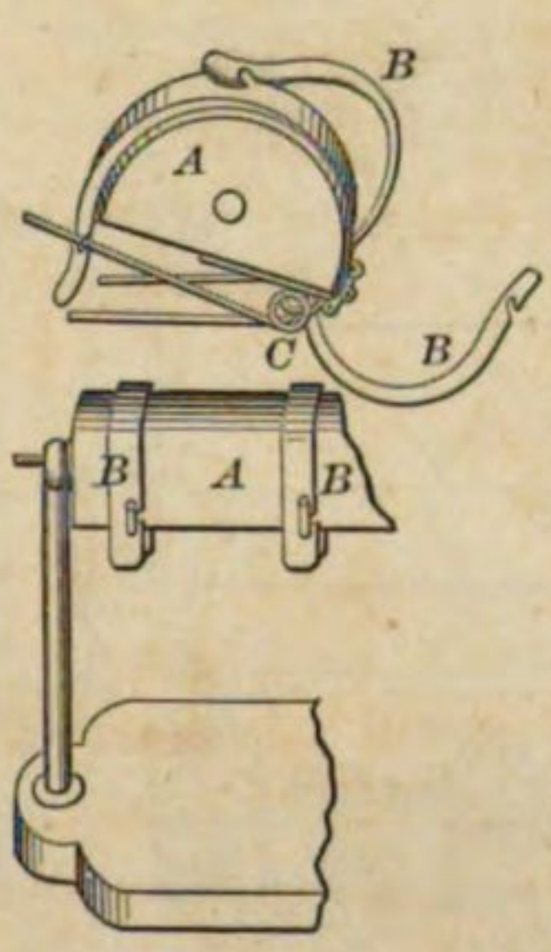
57608—F. Wicks—*Horse Power for Elevating Hay, &c.*



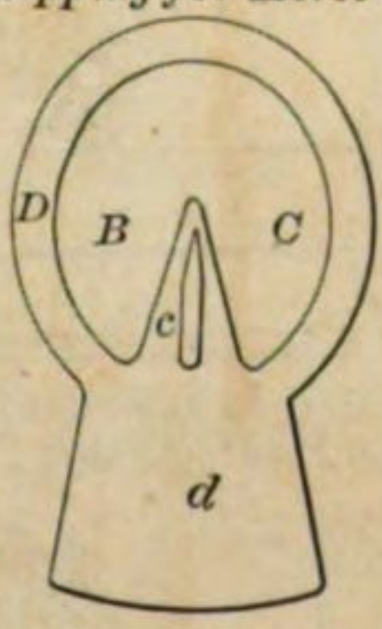
57609—F. Wicks—*Horse Hay Fork.*



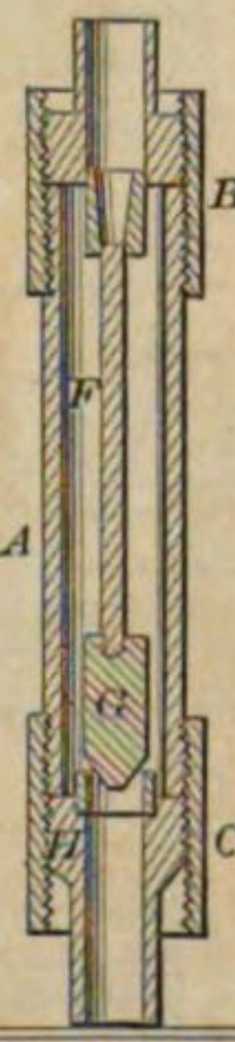
57615—S. Yates—*Eaves Trough.*



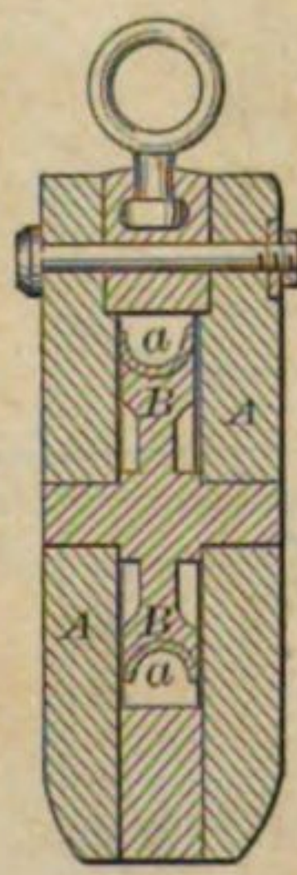
57611—A. S. Wilkinson—*Stopping for Horse Feet.*



57613—J. Wilson—*Steam Trap.*

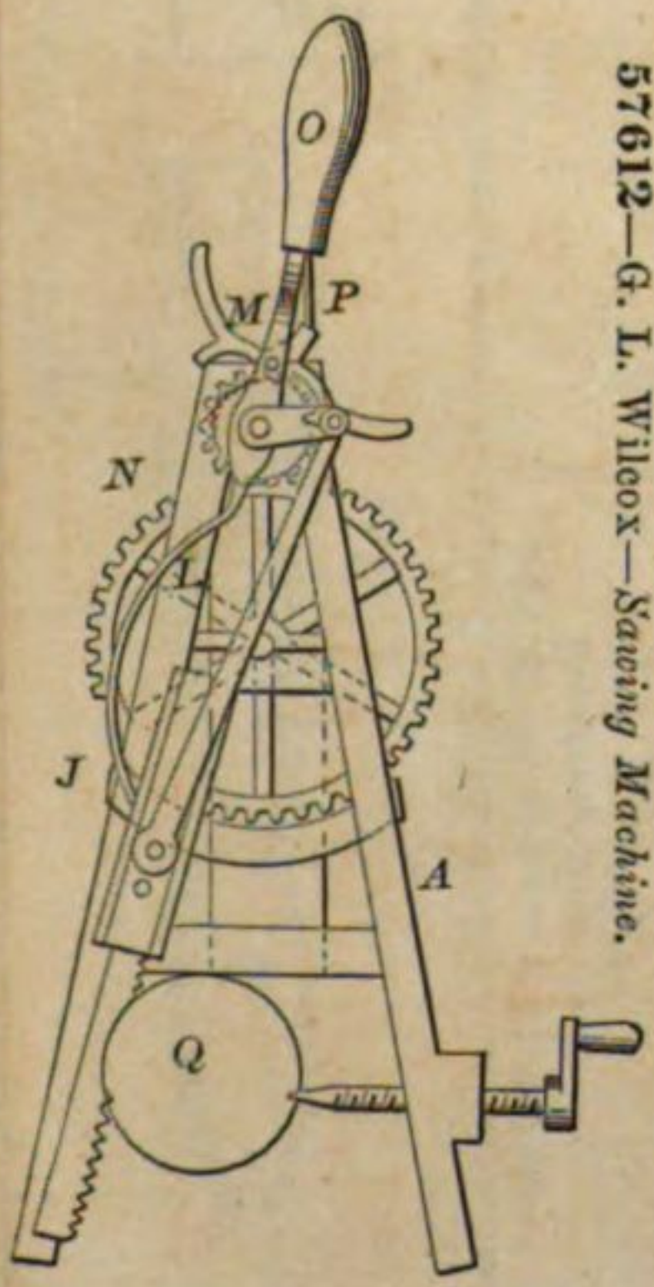


57610—Wicks & Fowler—*Tackle Block for Hay Elevators.*

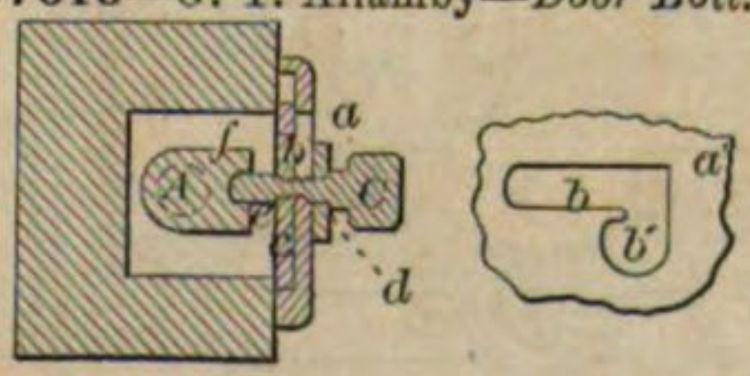


57614—C. Winegar—*Excavating Machine.*

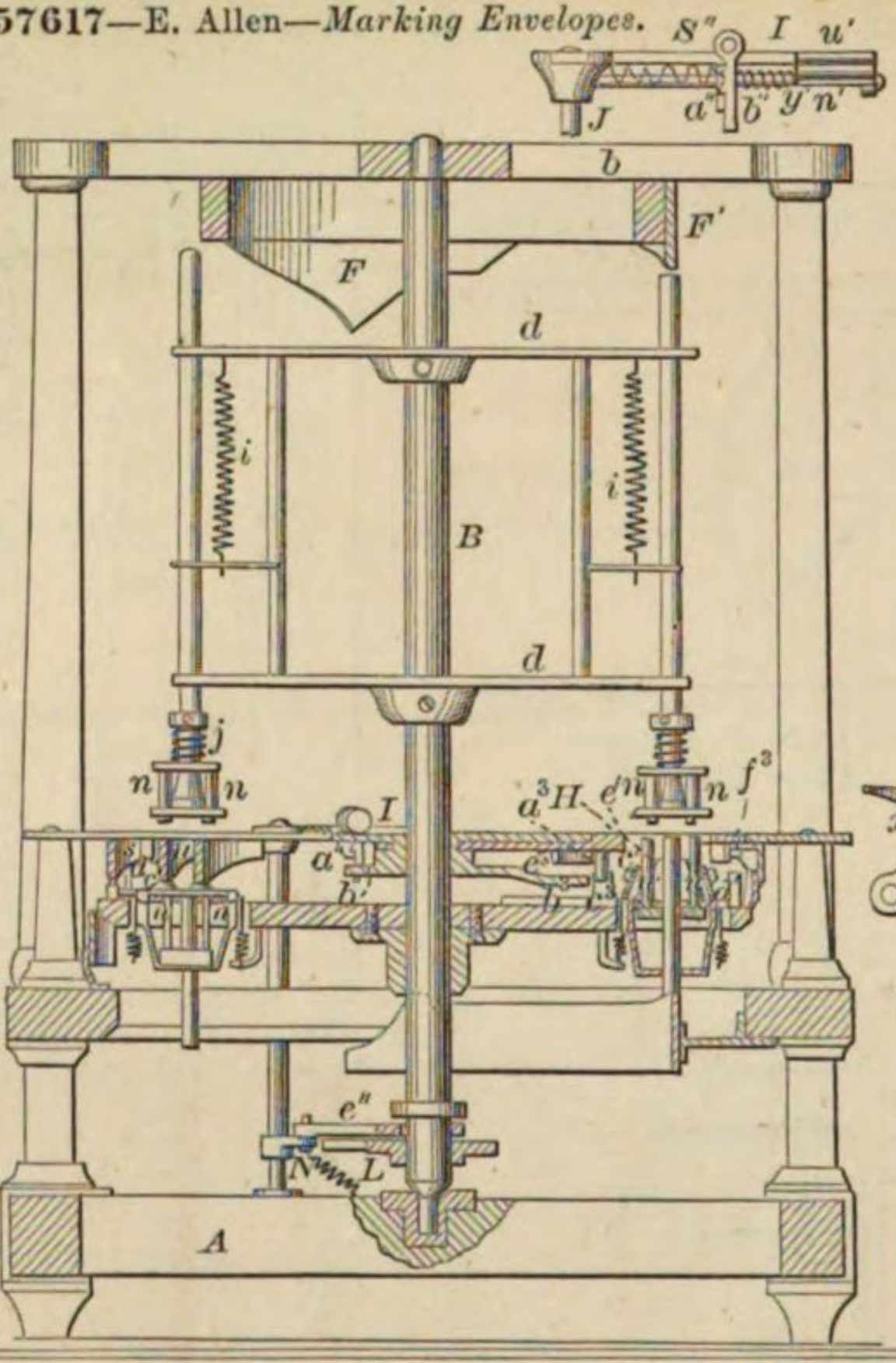
57612—G. L. Wilcox—*Sawing Machine.*



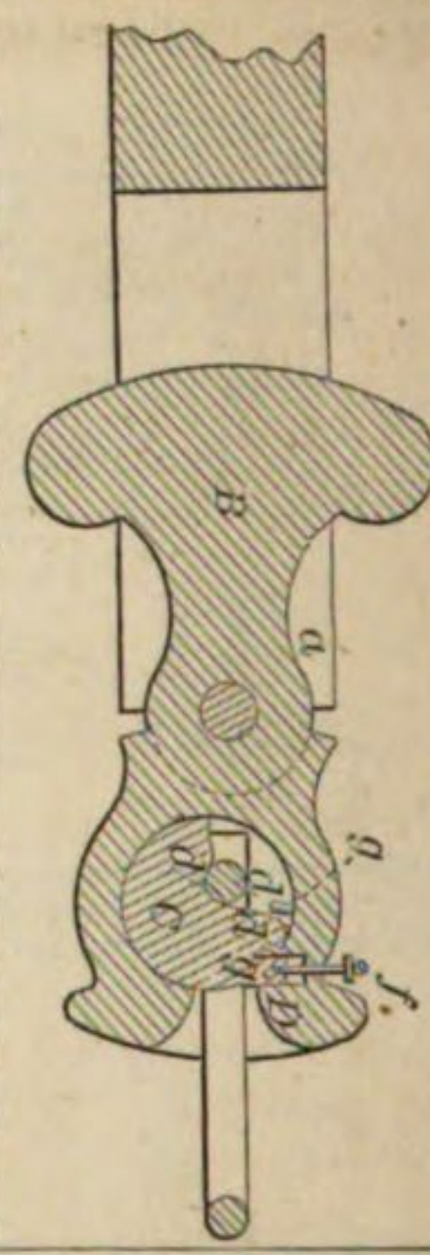
57616—G. T. Allamby—*Door Bolt.*



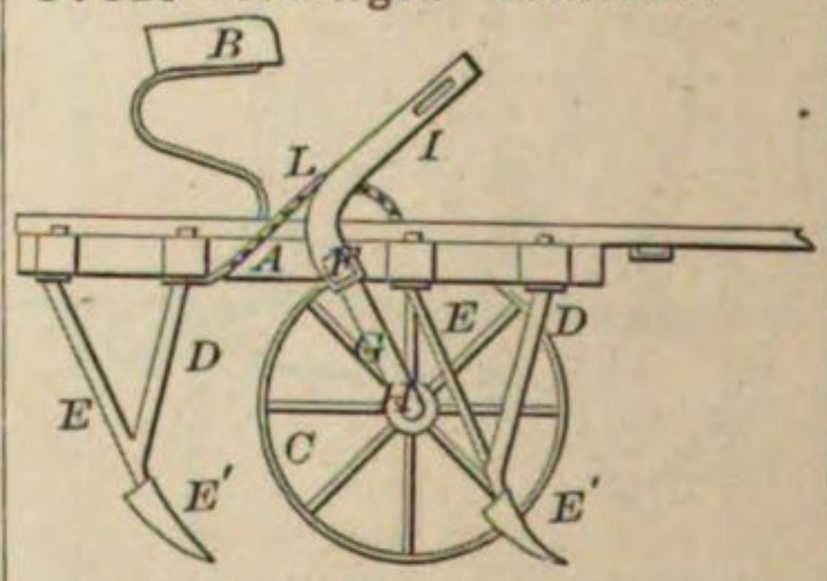
57617—E. Allen—*Marking Envelopes.*



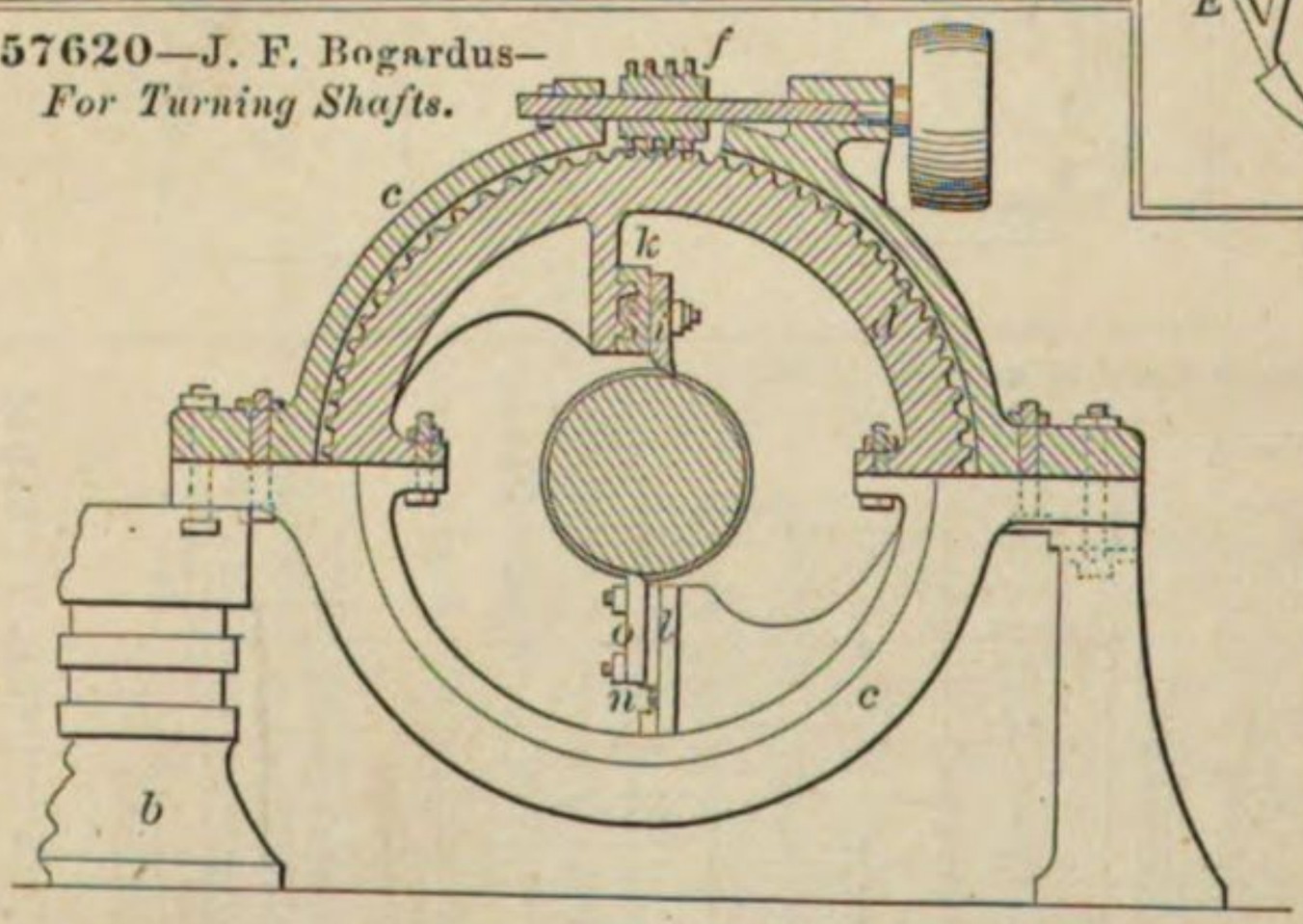
57618—C. W. Baldwin—*Car Coupling.*



57619—J. Bergen—*Cultivator.*

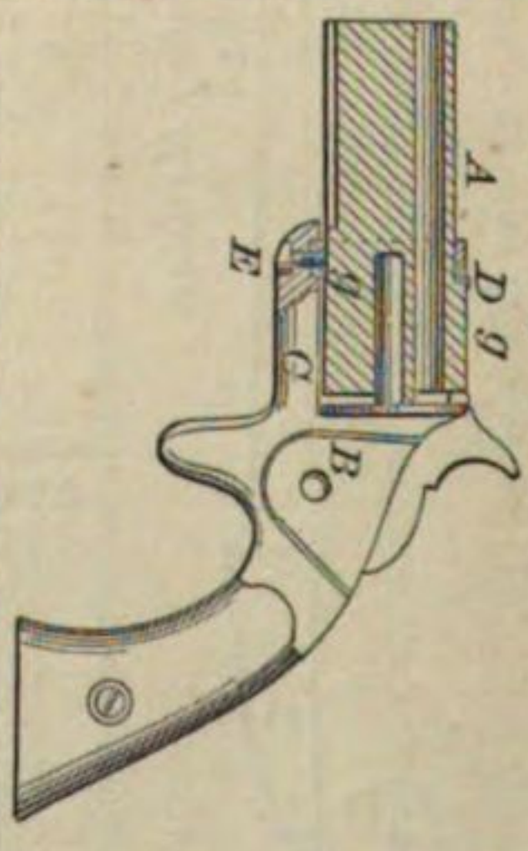


57620—J. F. Bogardus—*For Turning Shafts.*

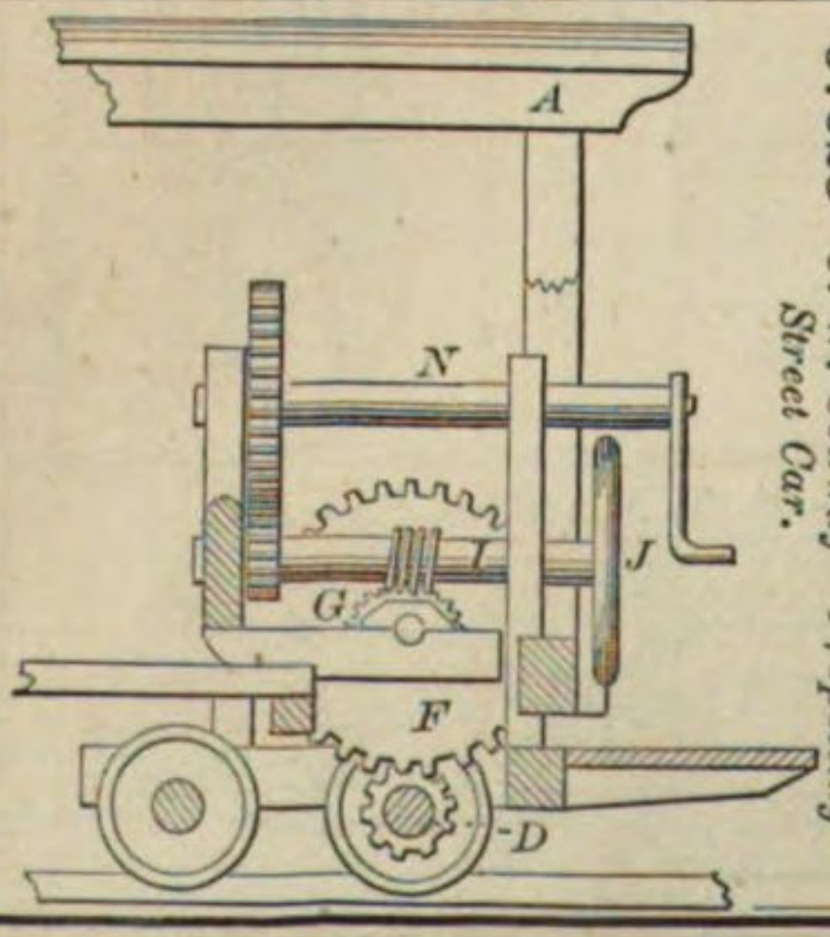


57621—A. Call—*Pipe Wrench.*

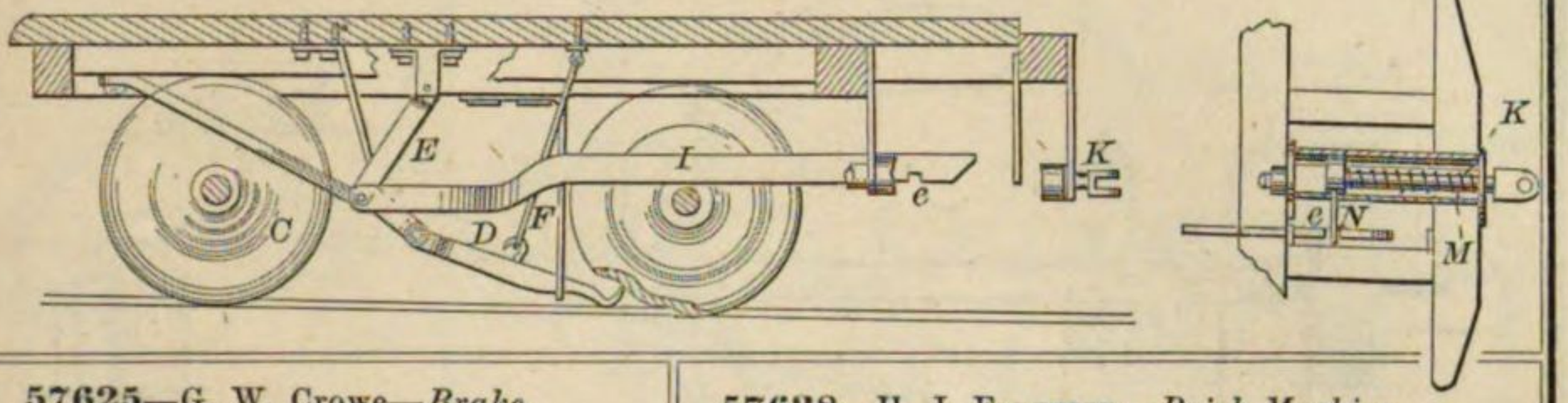
57622—Converse & Hopkins—*Revolving Fire Arm.*



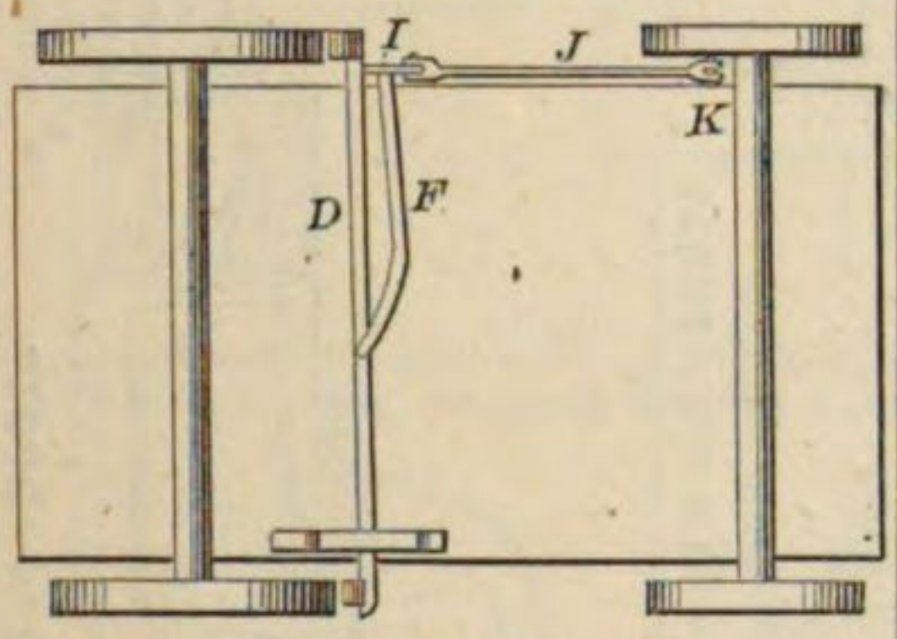
57623—J. W. Conway—*Propelling Street Car.*



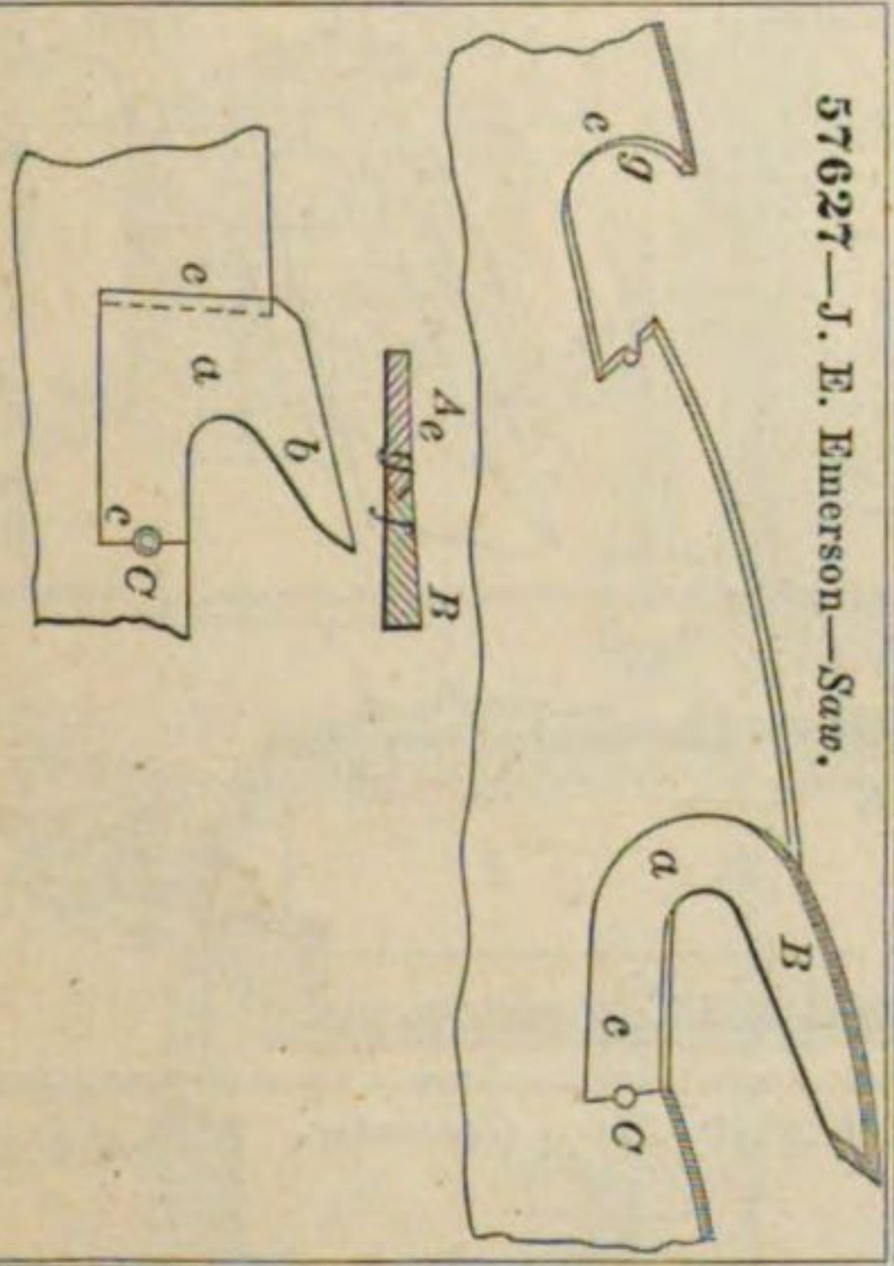
57624—H. H. Covert—*Starting Cars.*



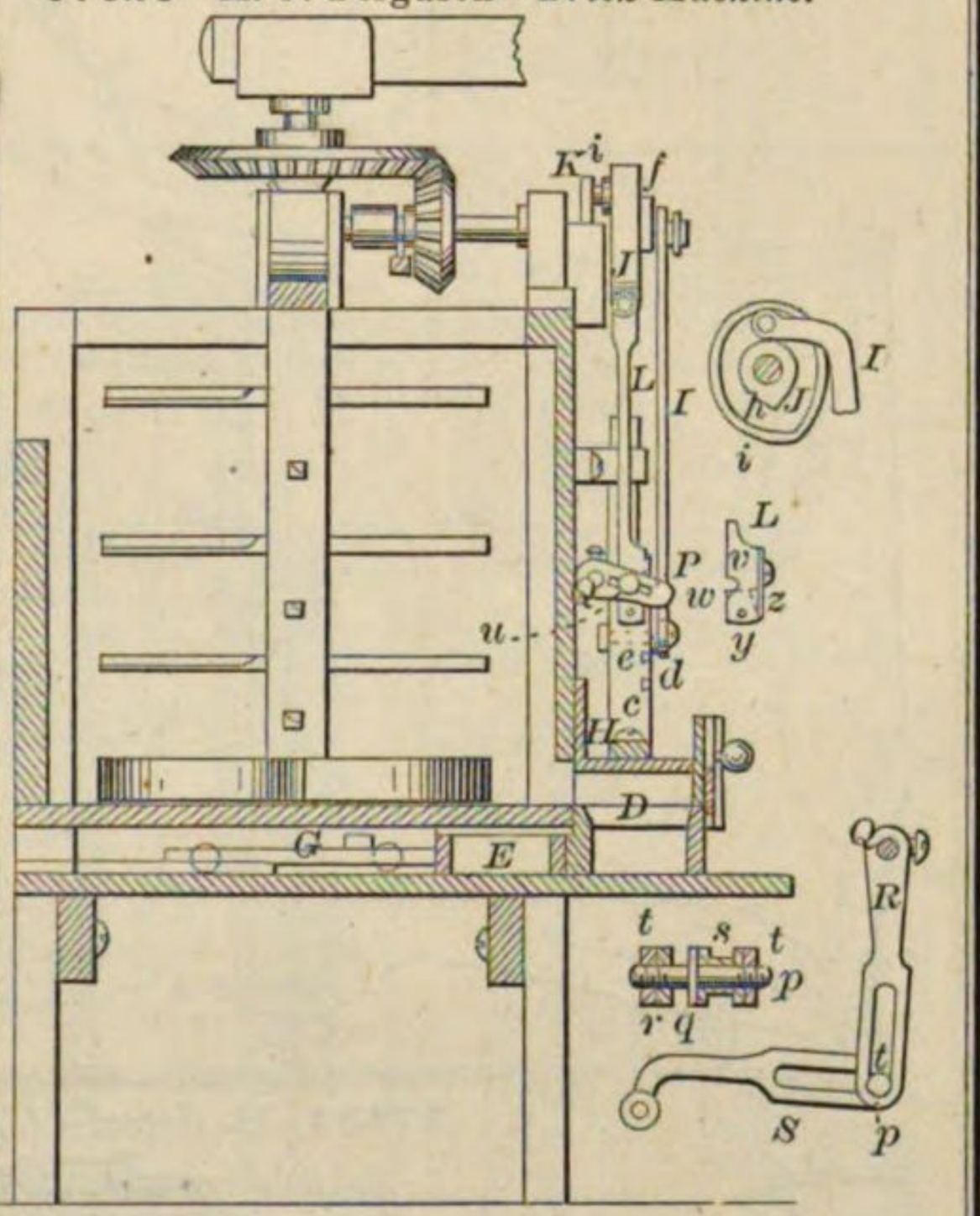
57625—G. W. Crowe—*Brake.*



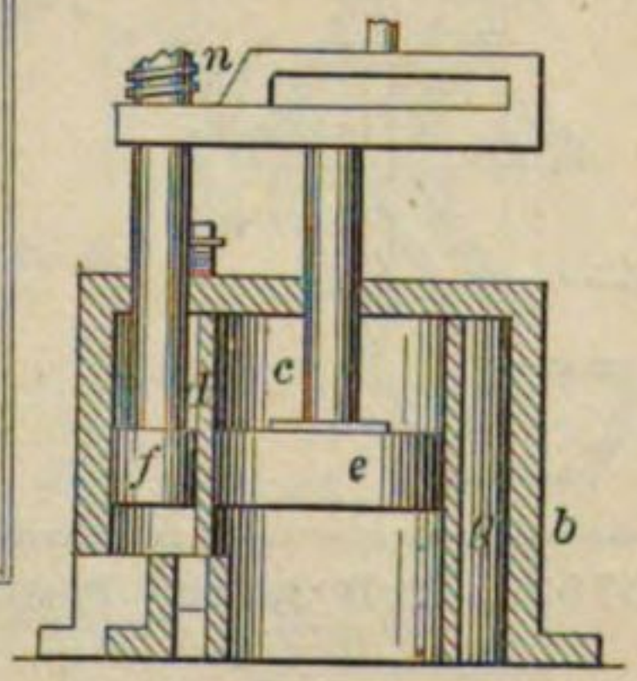
57627—J. E. Emerson—*Saw.*



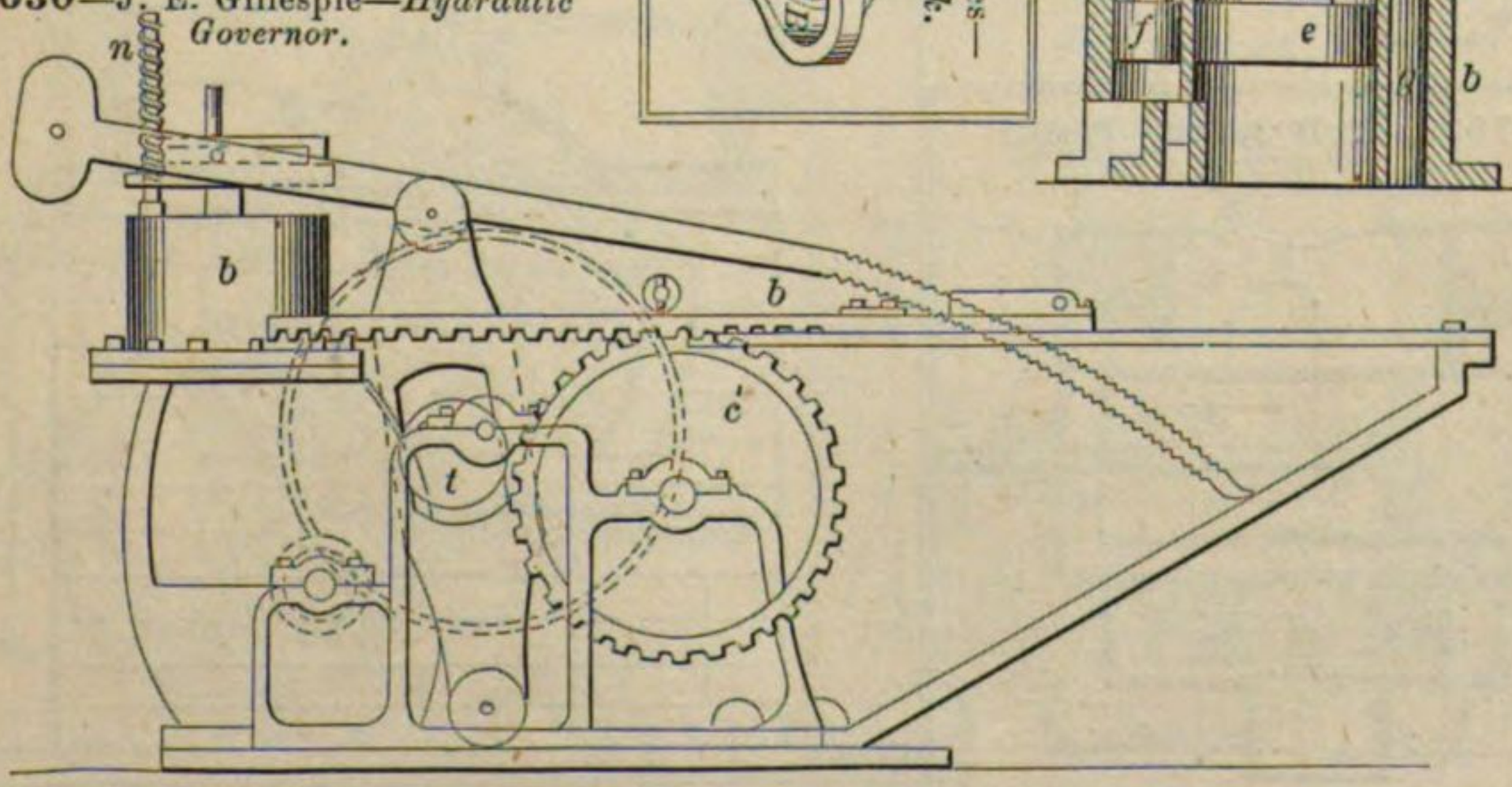
57628—H. J. Ferguson—*Brick Machine.*



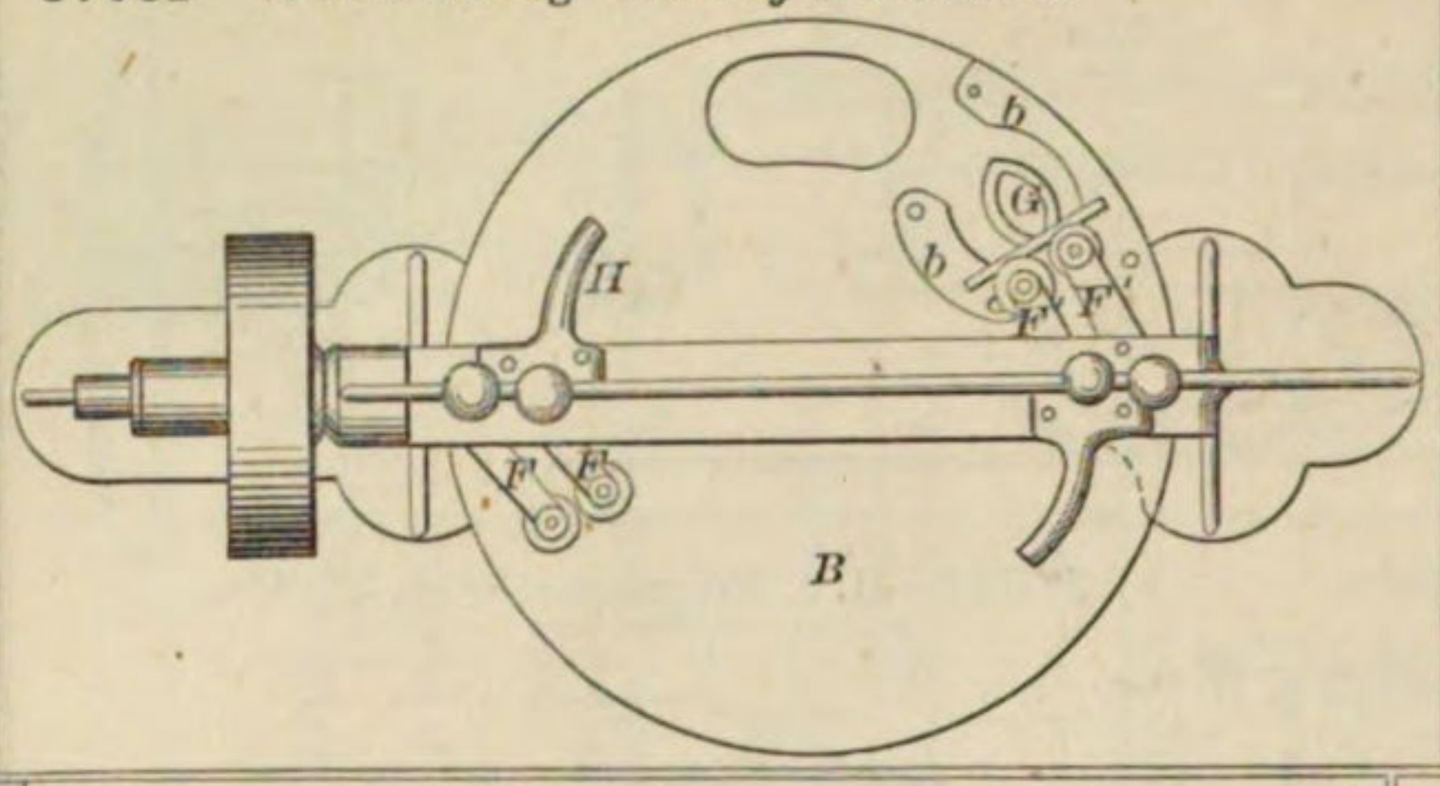
57629—H. Foulkes—*Breast Strap Hook.*



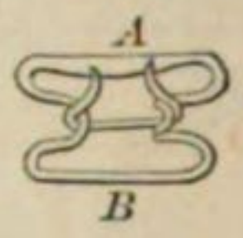
57630—J. E. Gillespie—*Hydraulic Governor.*



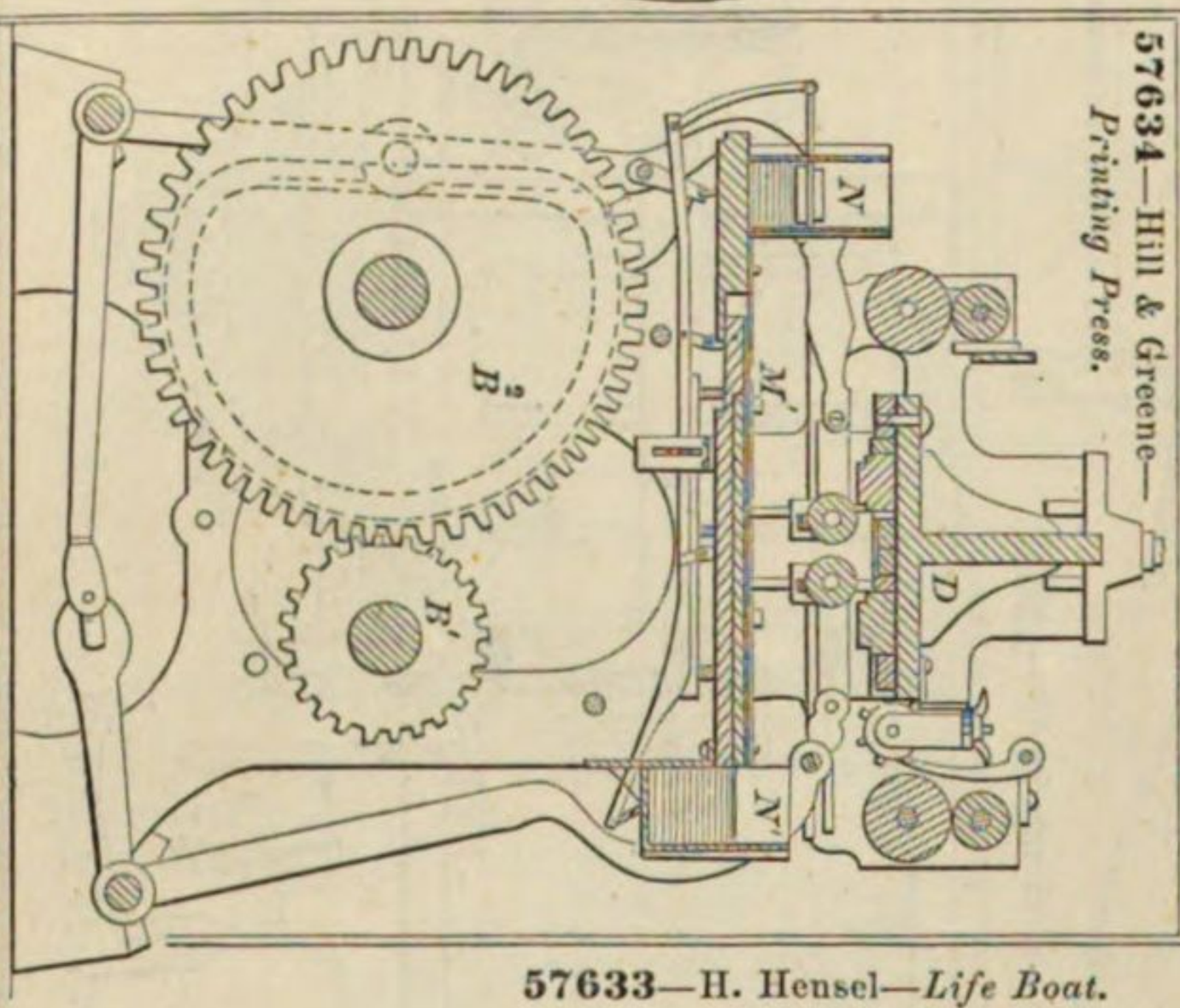
57631—W. F. Gouldiug—*Bending Horse Shoes.*



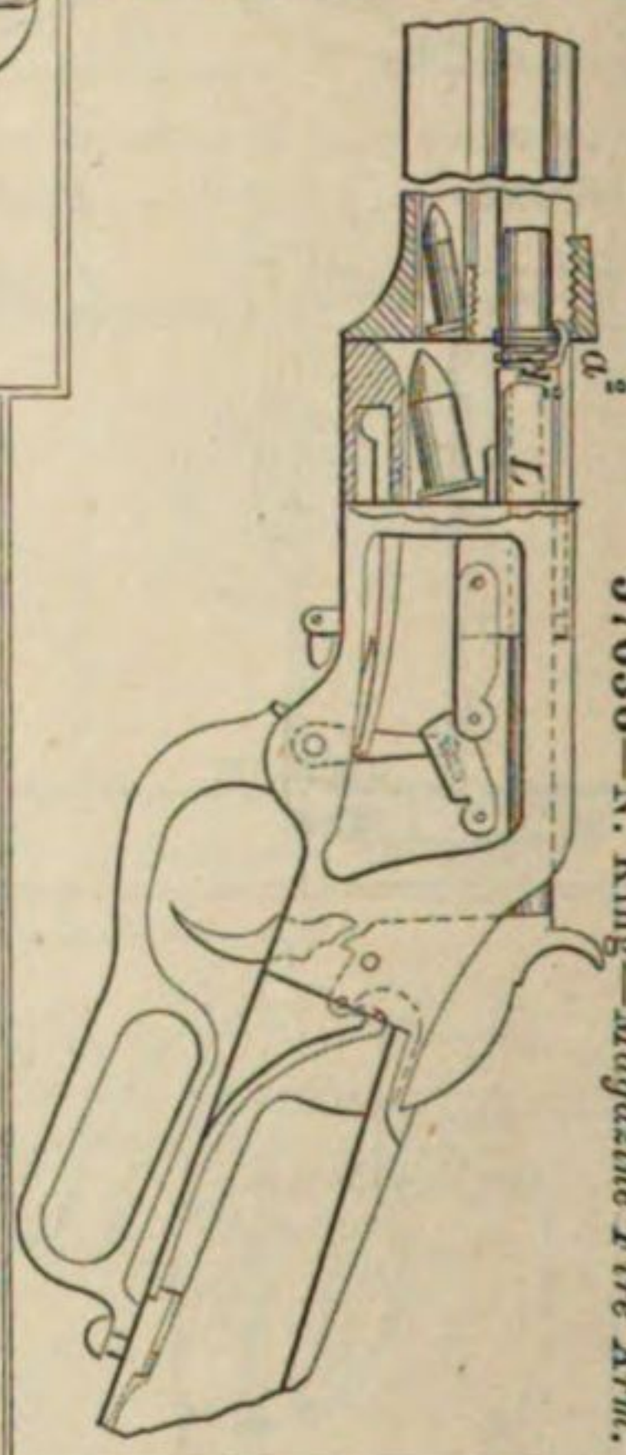
57632—H. C. Griggs—*Buckle.*



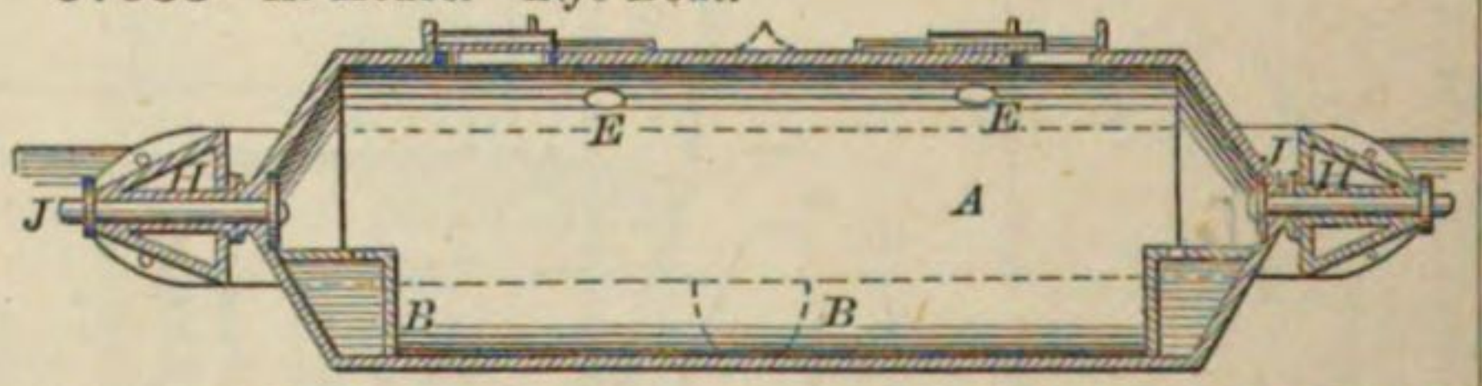
57634—Hill & Greene—*Printing Press.*

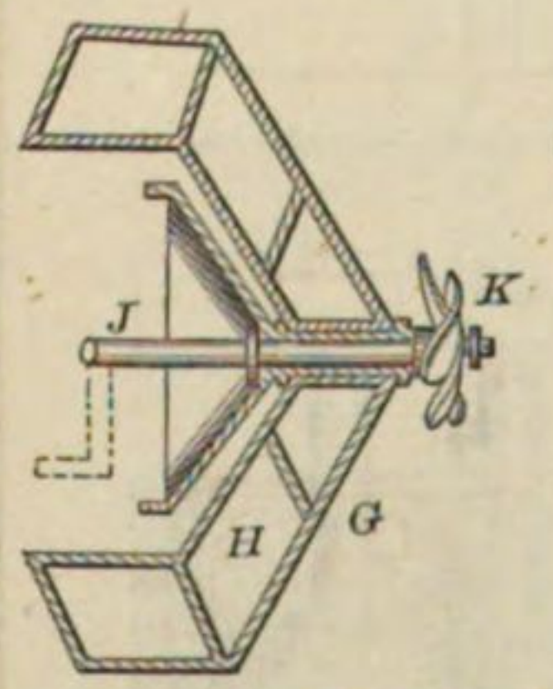


57636—N. King—*Magazine Fire Arm.*

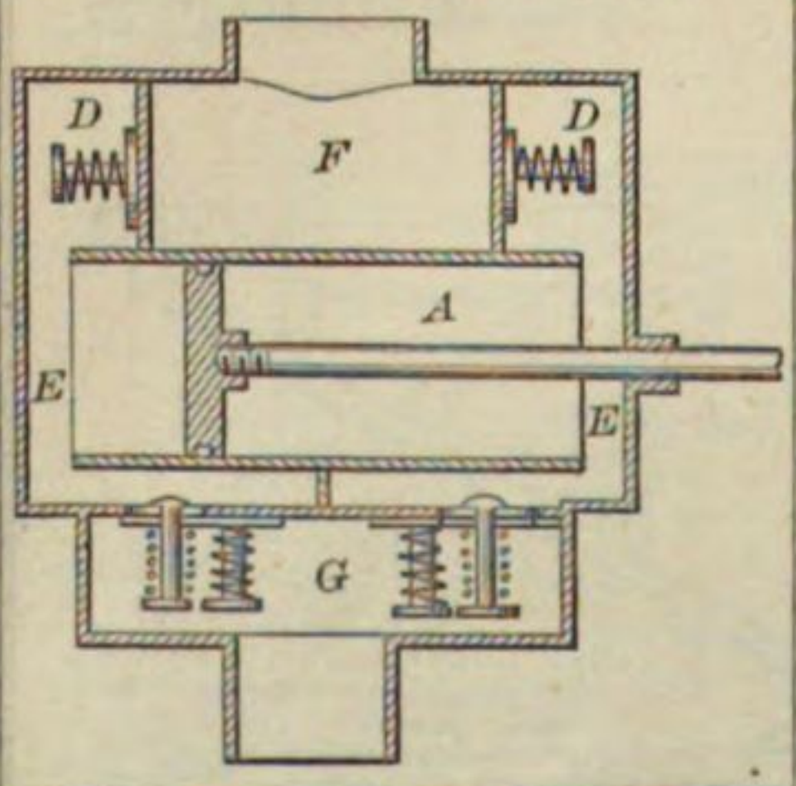


57633—H. Hensel—*Life Boat.*

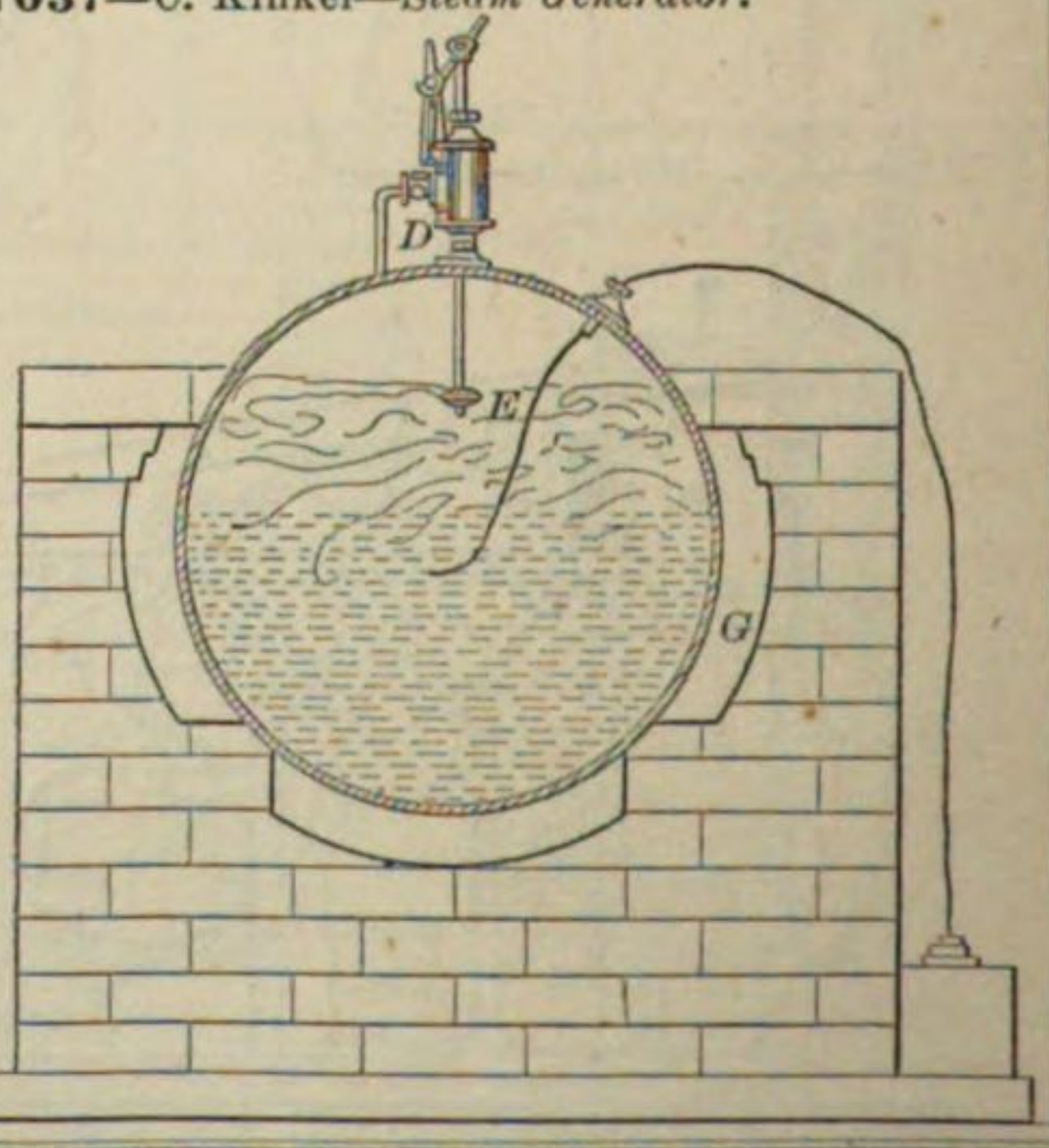




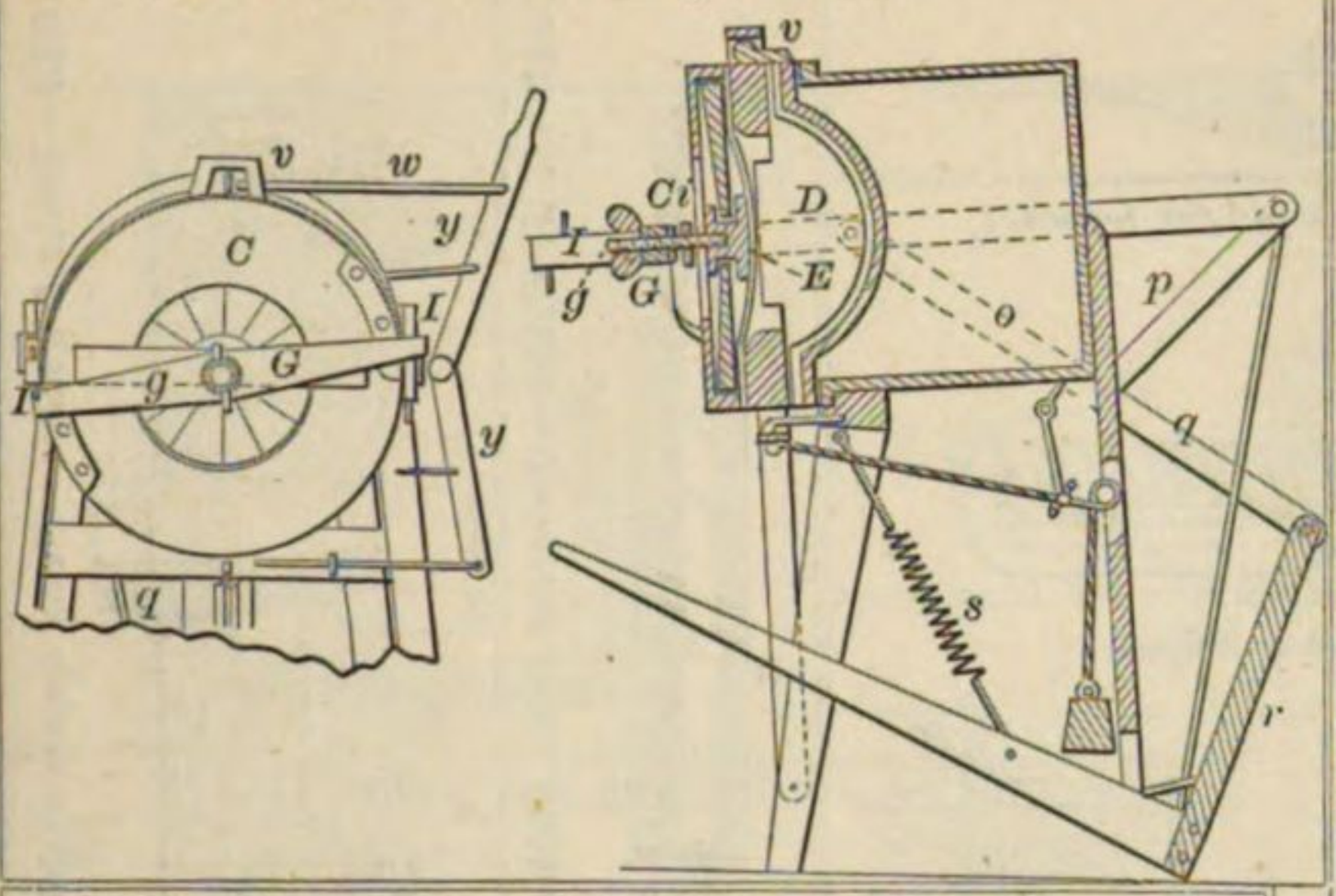
57635—E. B Jućket—*Pump.*



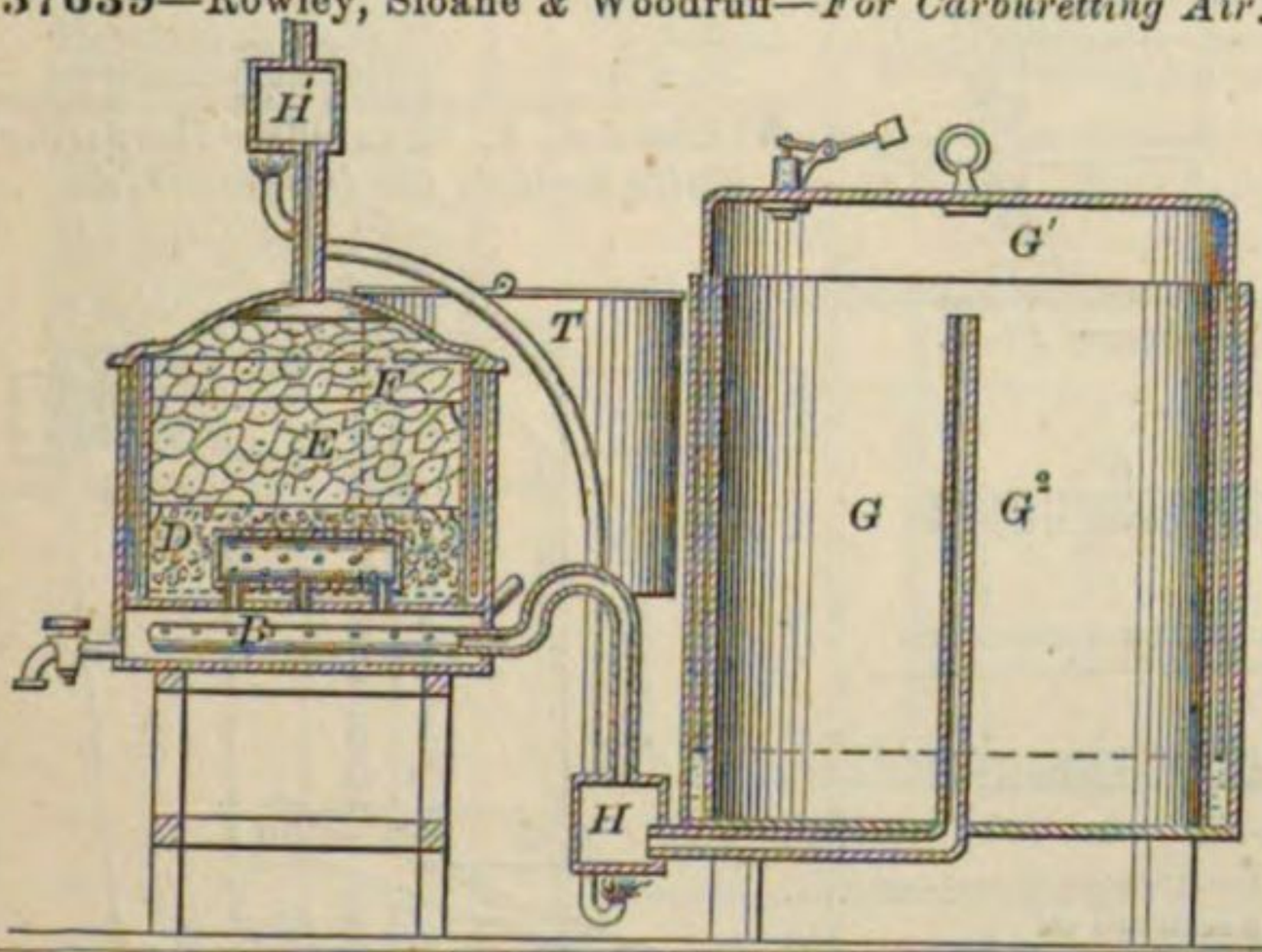
57637—C. Kinkel—*Steam Generator.*



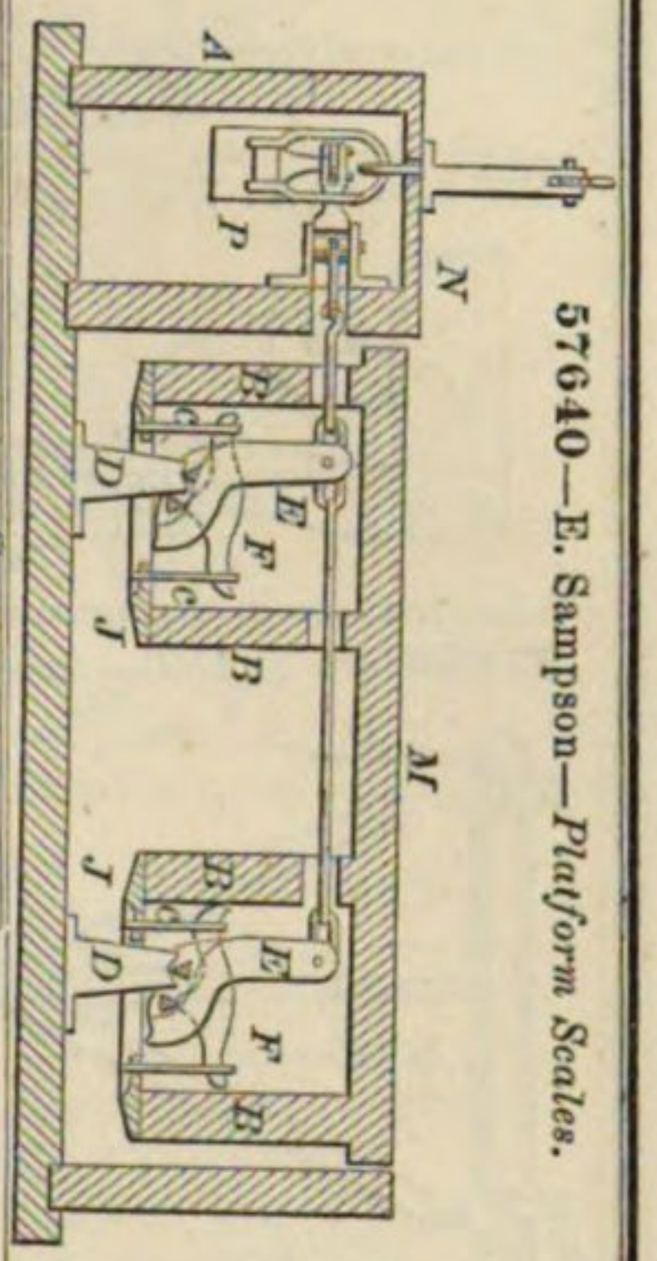
57638—M. Morse—*Hat Pressing Machine*



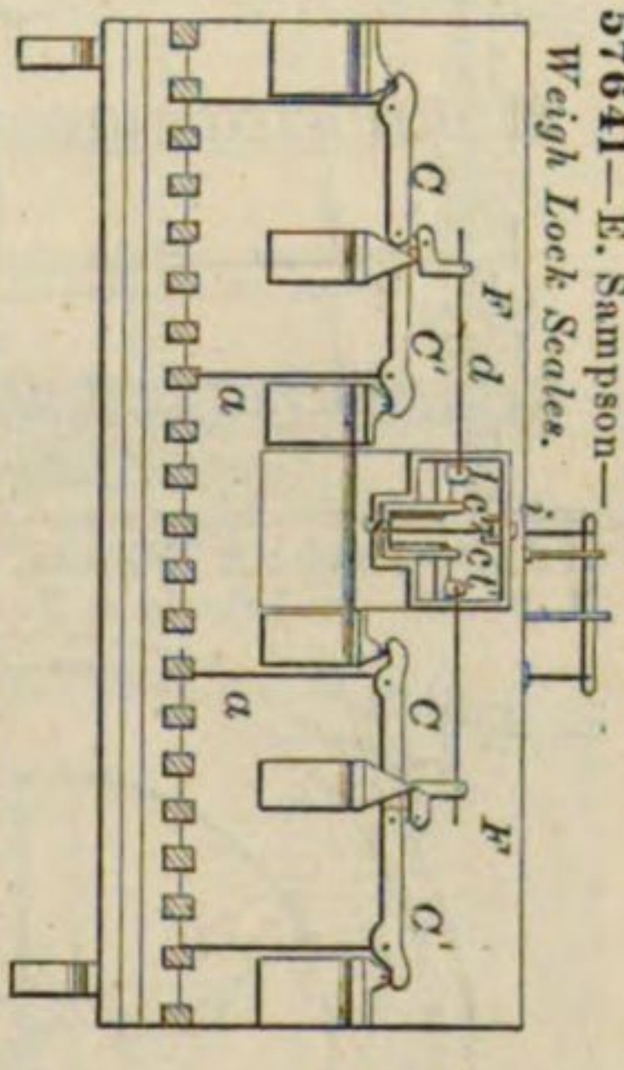
57639—Rowley, Sloane & Woodruff—*For Carburetting Air.*



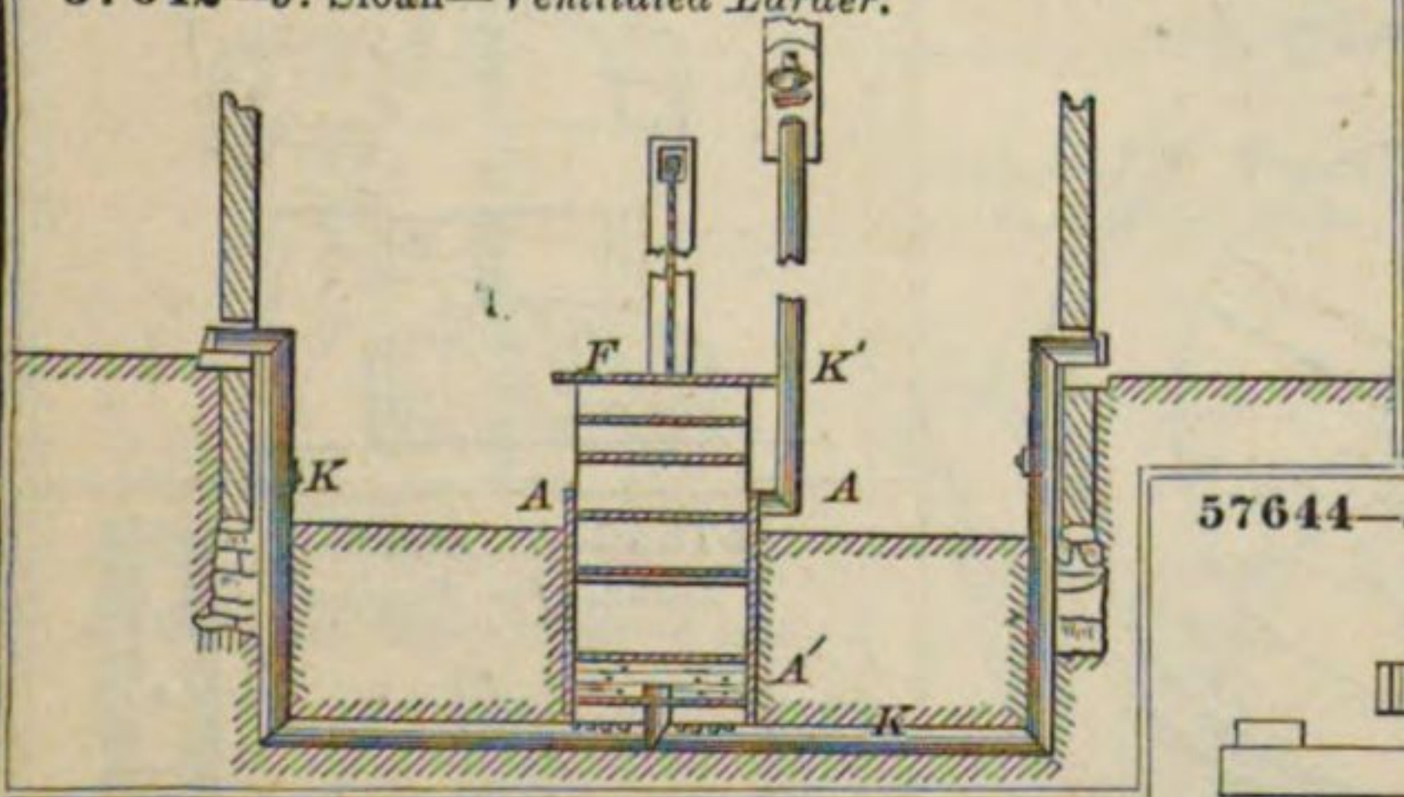
57640—E. Sampson—*Platform Scales.*



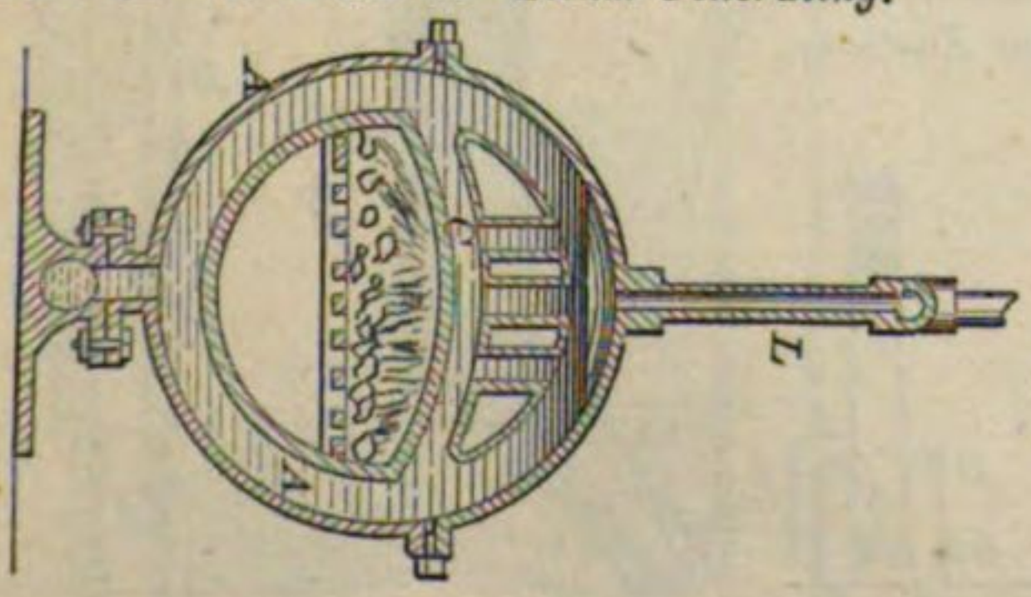
57641—E. Sampson—*Weigh Lock Scales.*



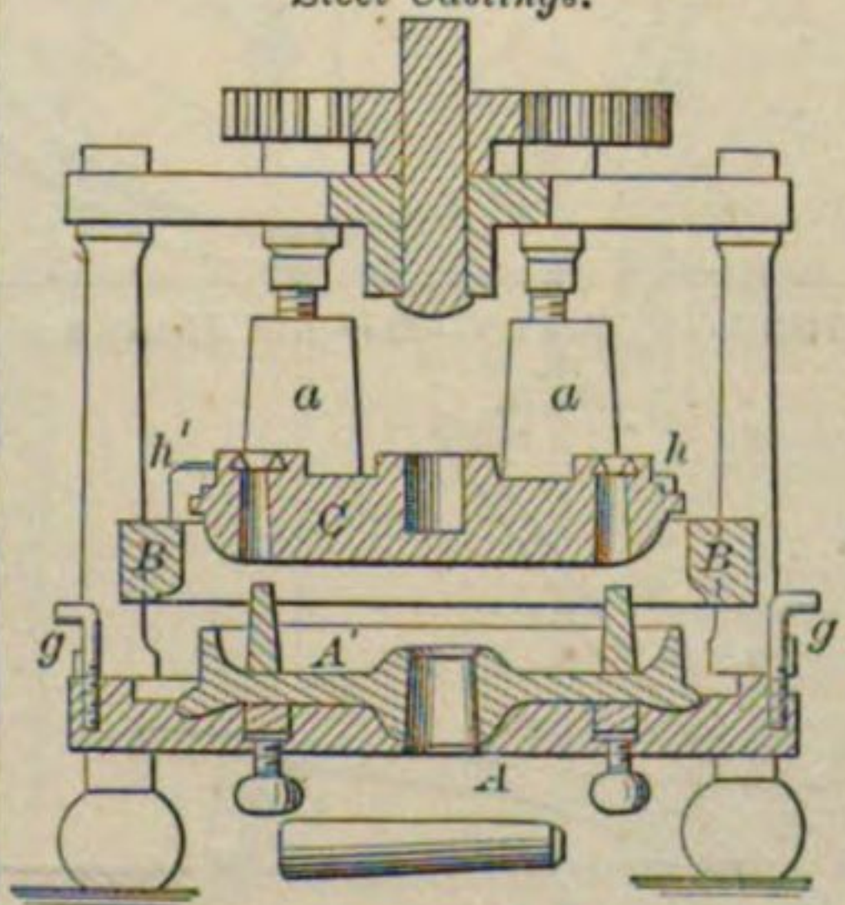
57642—J. Sloan—*Ventilated Larder.*



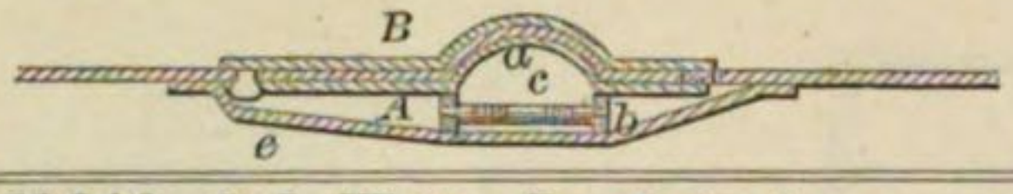
57643—S. A. Smith—*Steam Generating.*



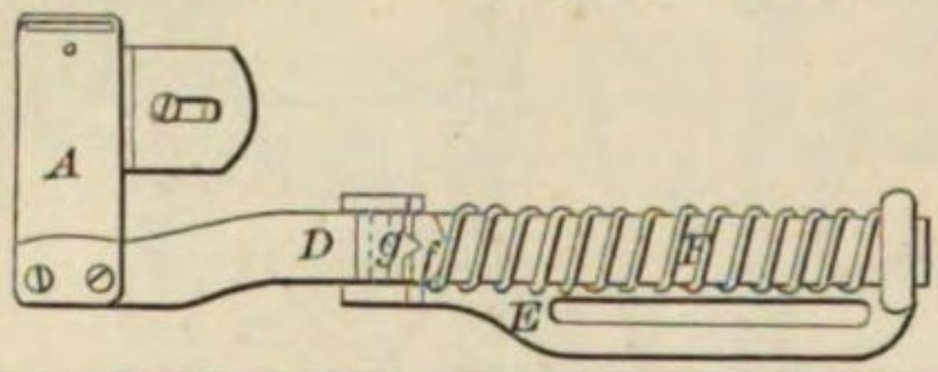
57644—J. B. Tarr—*For making Cast Steel Castings.*



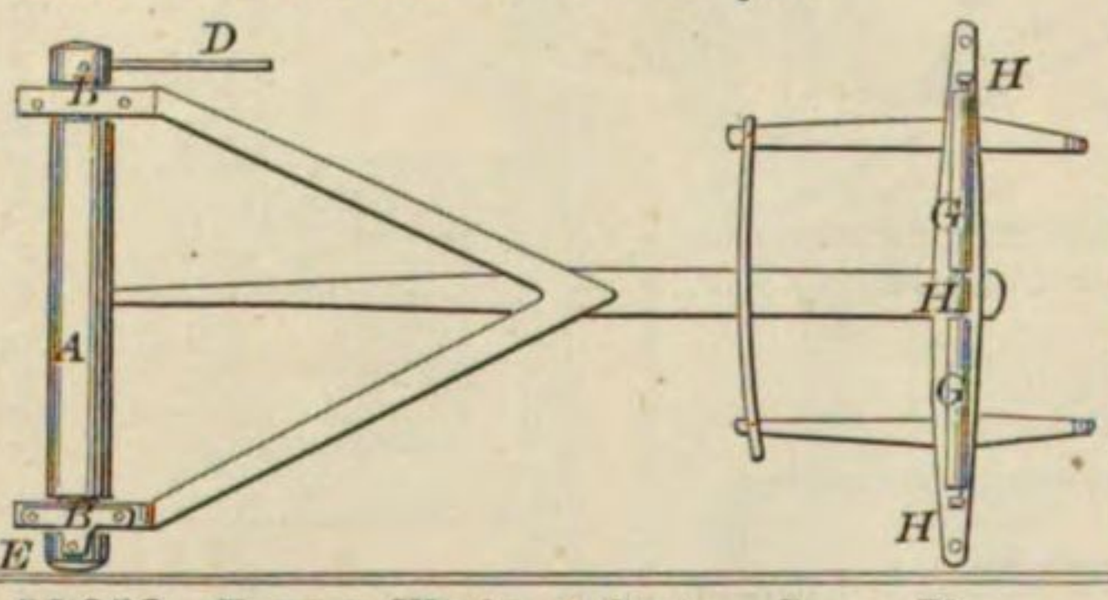
57645—T. W. Terry—*Safety Watch Pocket.*



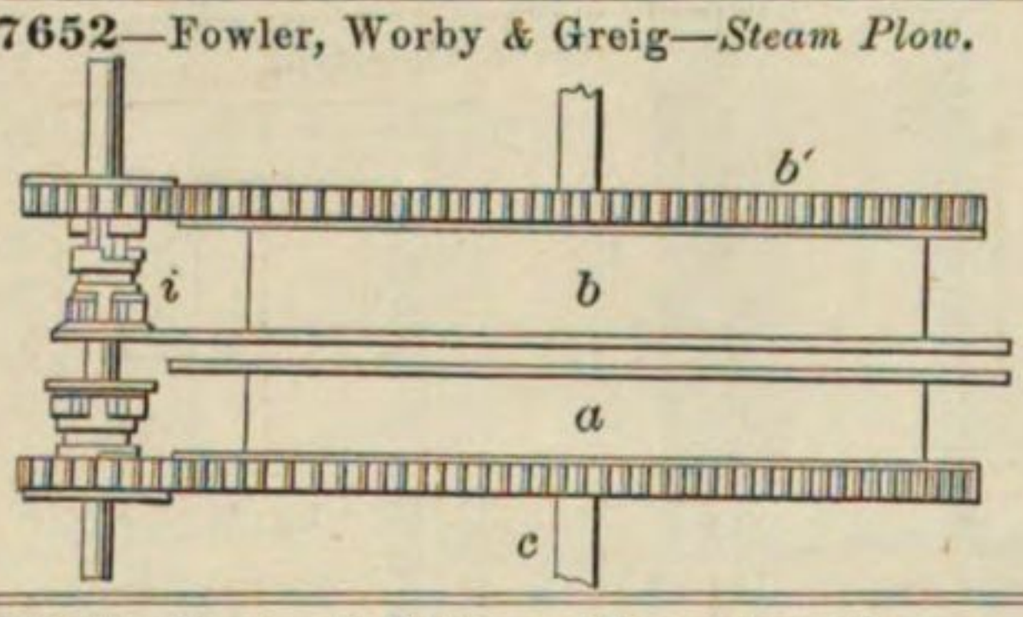
57646—G. L. White—*Temple for Looms.*



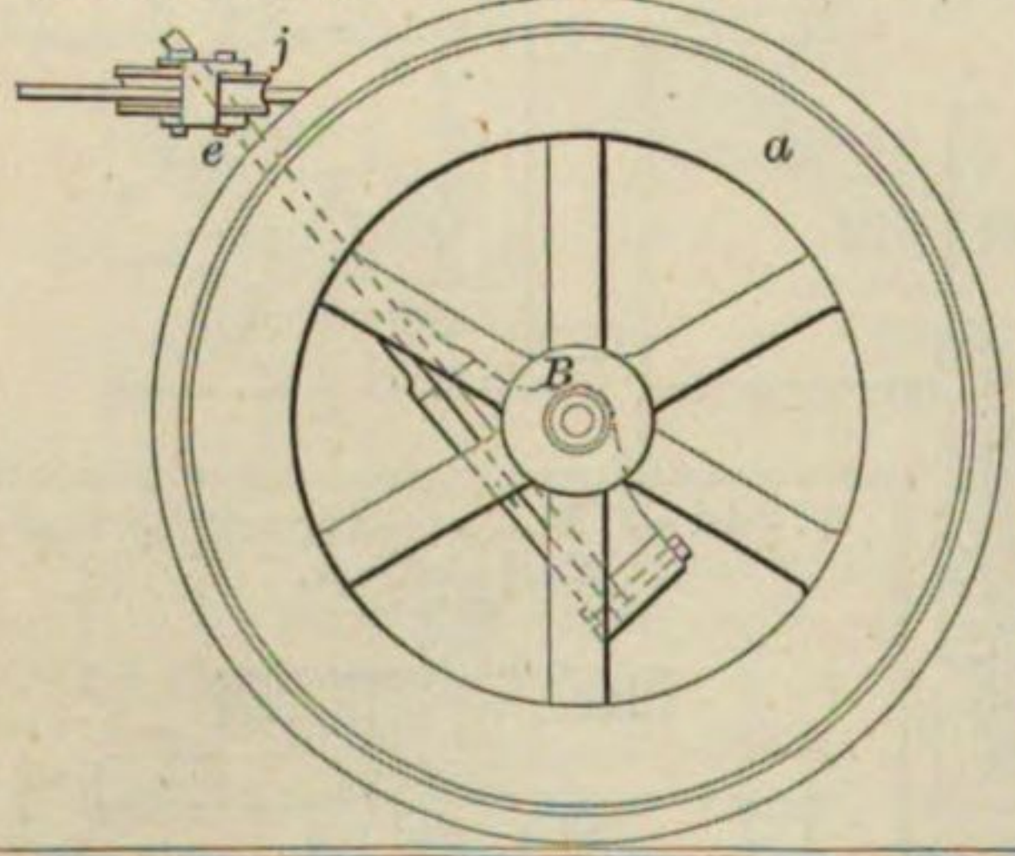
57650—C. F. Hall—*Lumber Wagon.*



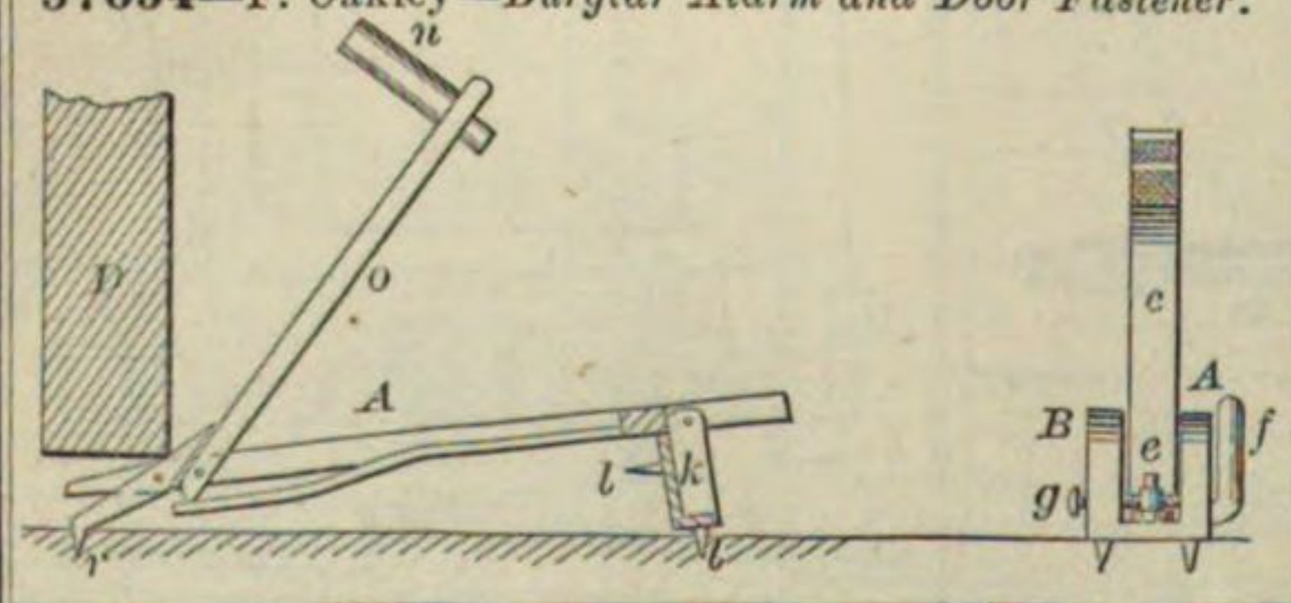
57652—Fowler, Worby & Greig—*Steam Plow.*



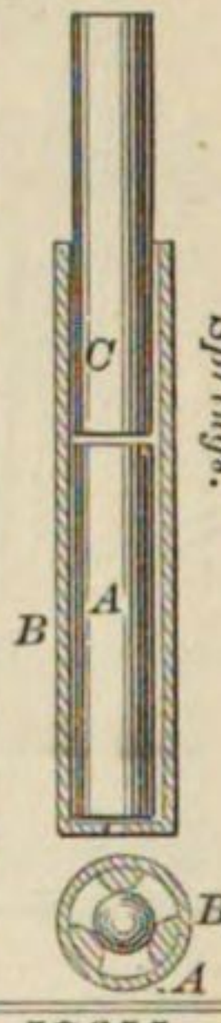
57653—Fowler & Eddison, [Executors of J. Fowler. Jr.,] Greig & Noddings—*Steam Plow.*



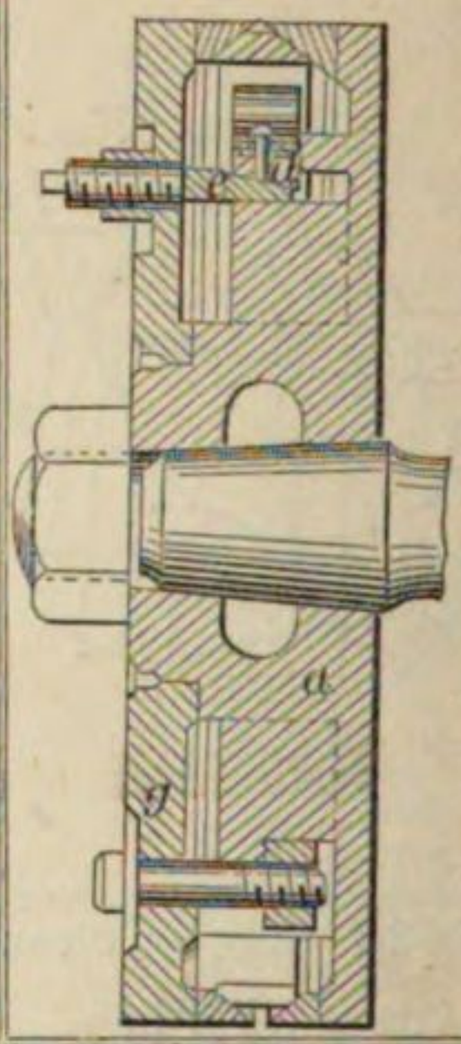
57654—F. Oakley—*Burglar Alarm and Door Fastener.*



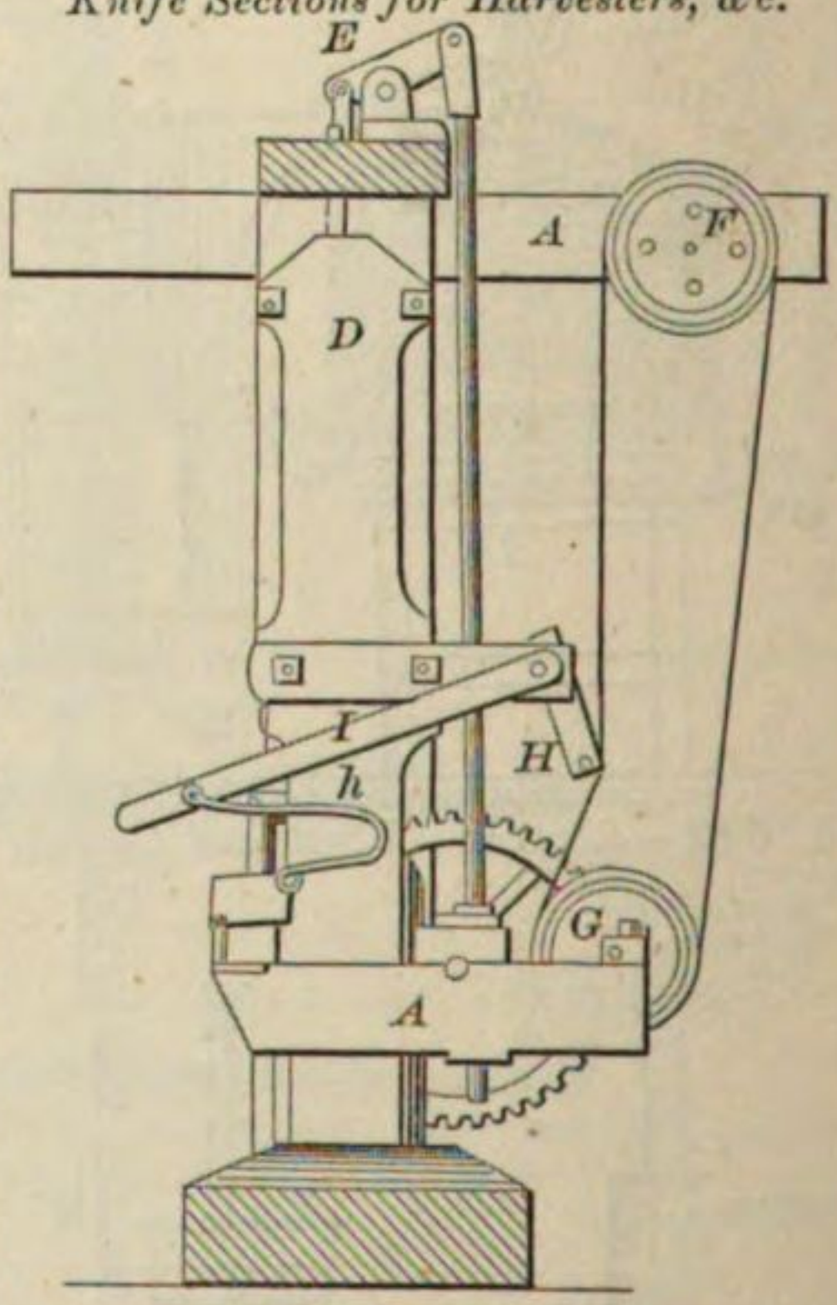
57647—J. W. Wilder—*Operating India Rubber Springs.*



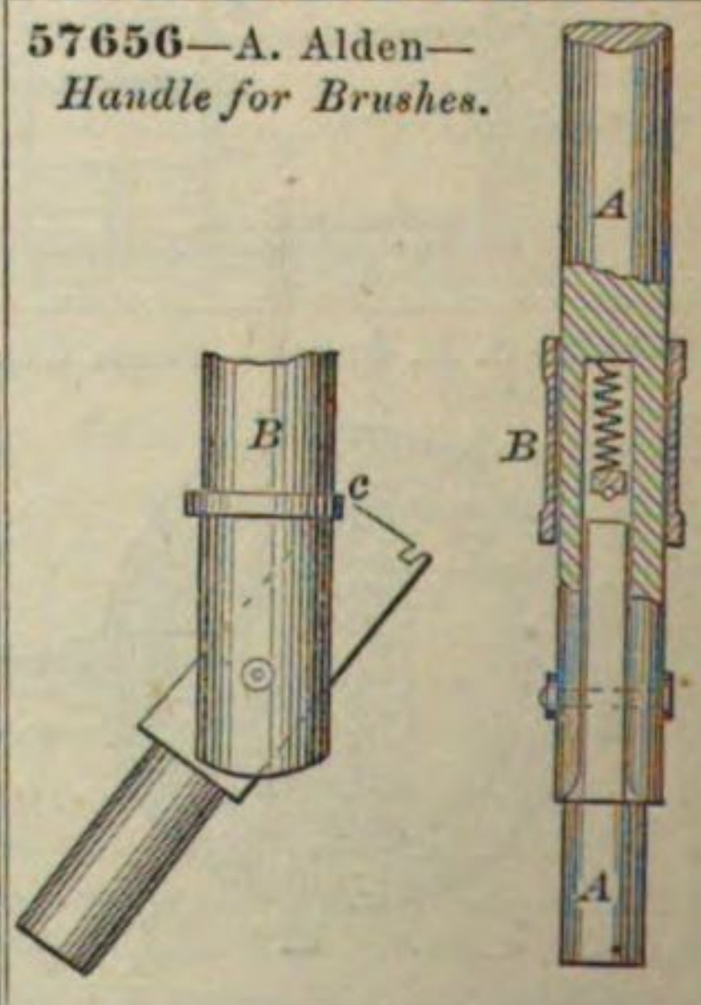
57648—Bower & Qualter—*Steam Engine Piston.*



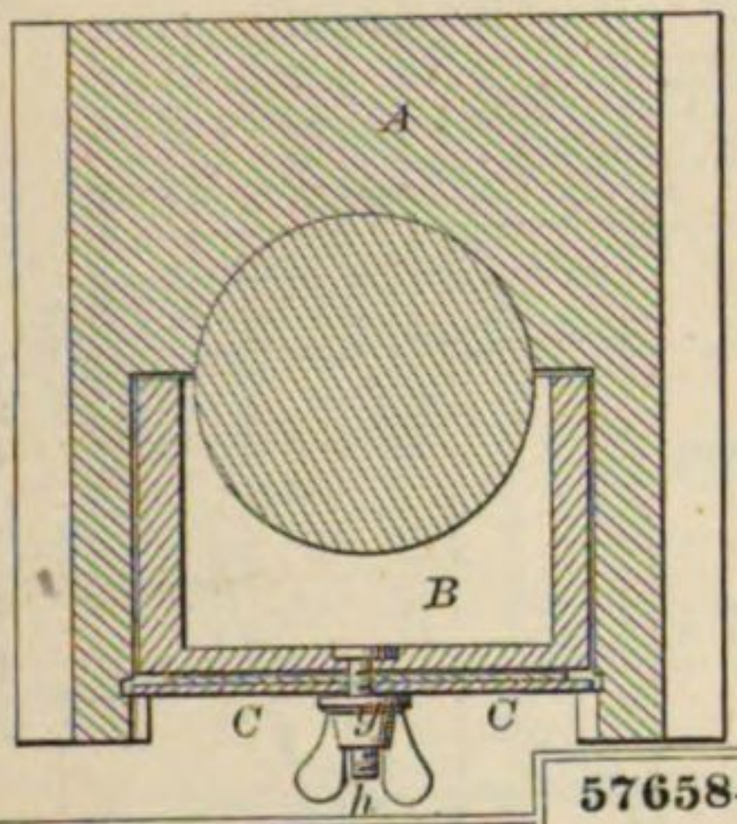
57655—A. R. Reynolds—*Tempering Knife Sections for Harvesters, &c.*



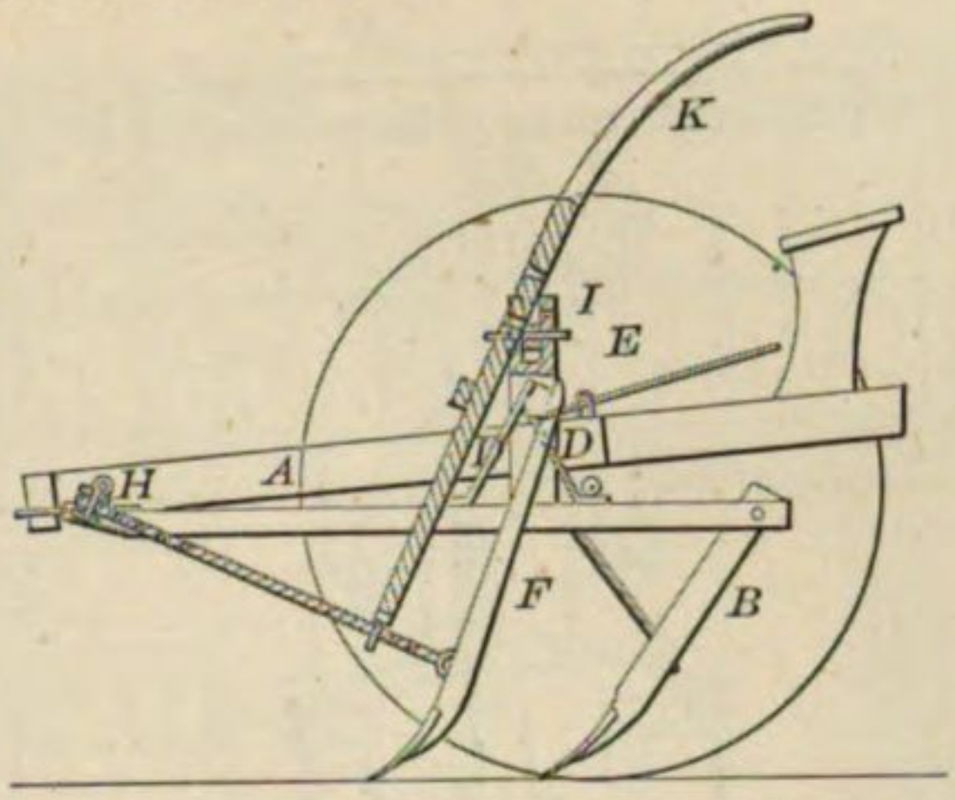
57656—A. Alden—*Handle for Brushes.*



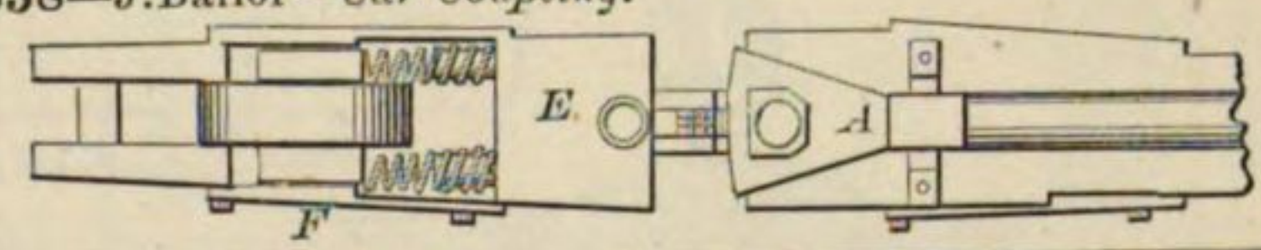
57657—S. F. Allen—*Axle Box.*



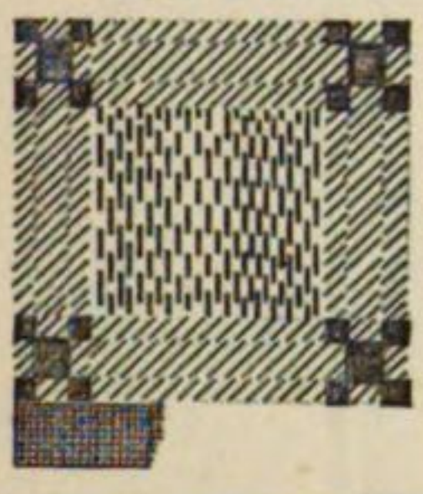
57660—J. H. Barley—*Cultivator.*



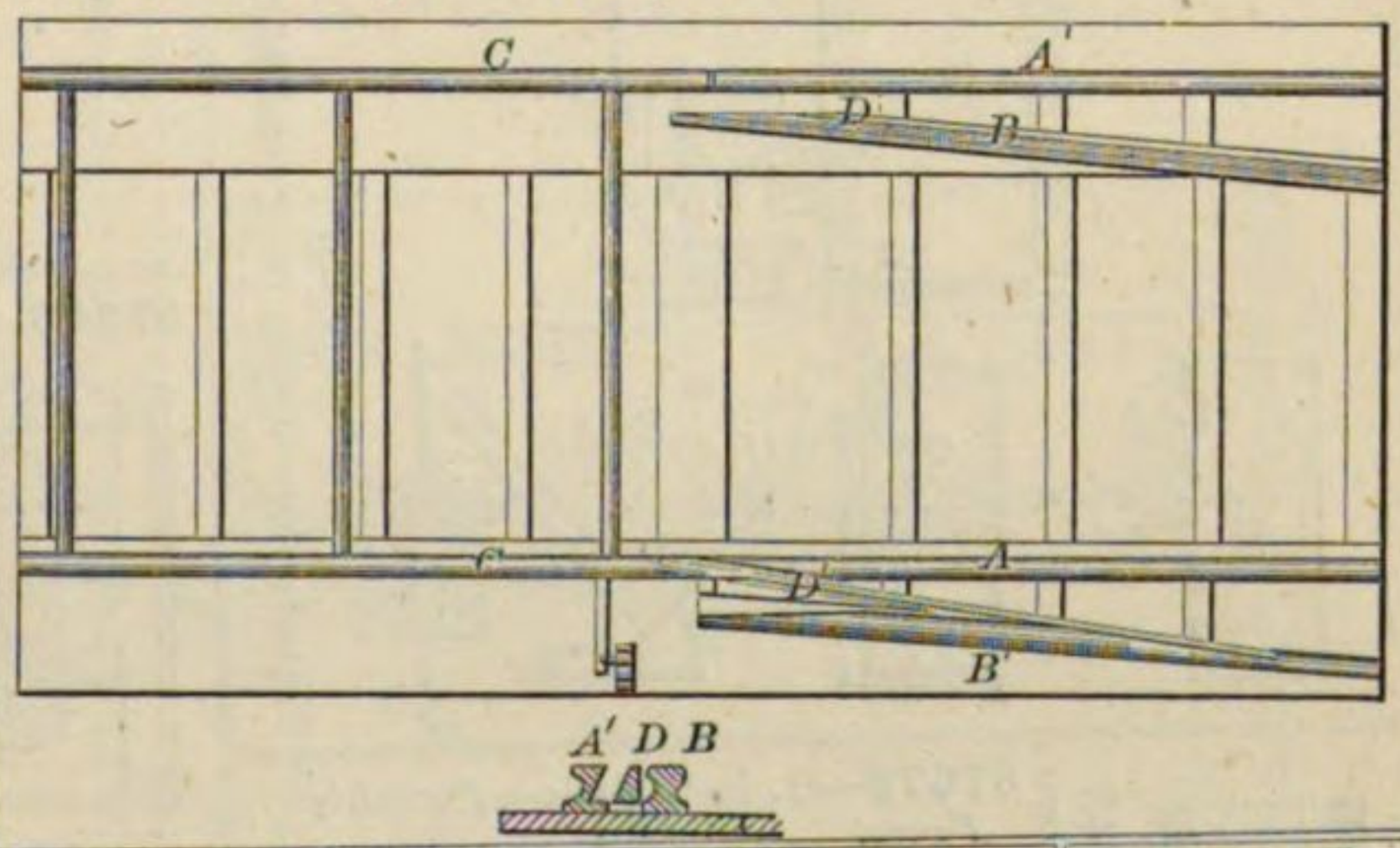
57658—J. Bailor—*Car Coupling.*



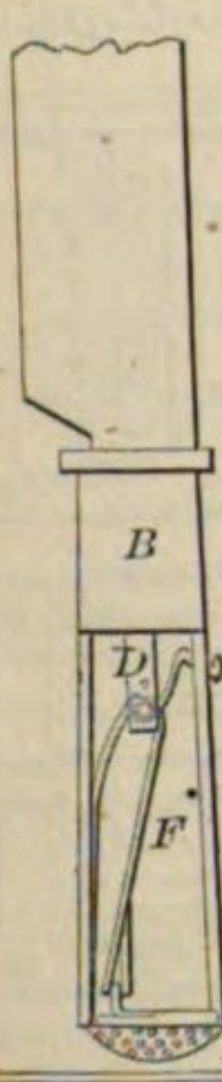
57659—S. W. Baker—*Woven Fabric.*



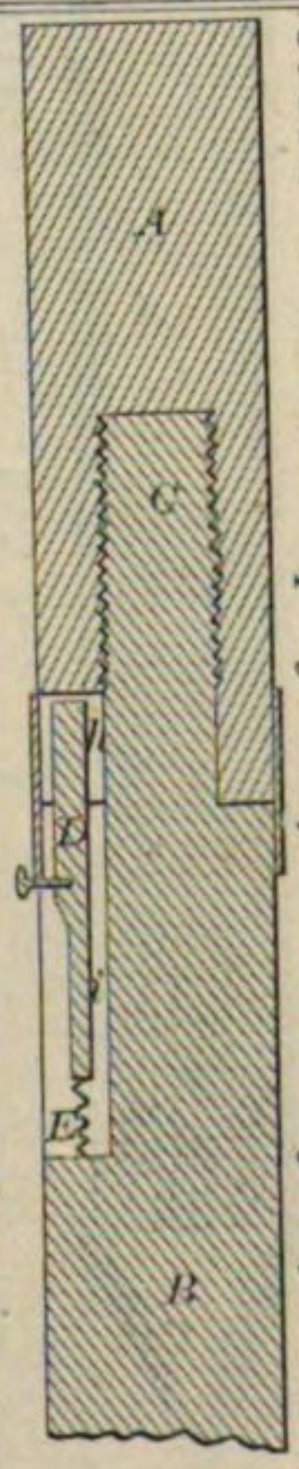
57661—C. J. Bayer—*Railway Switch.*



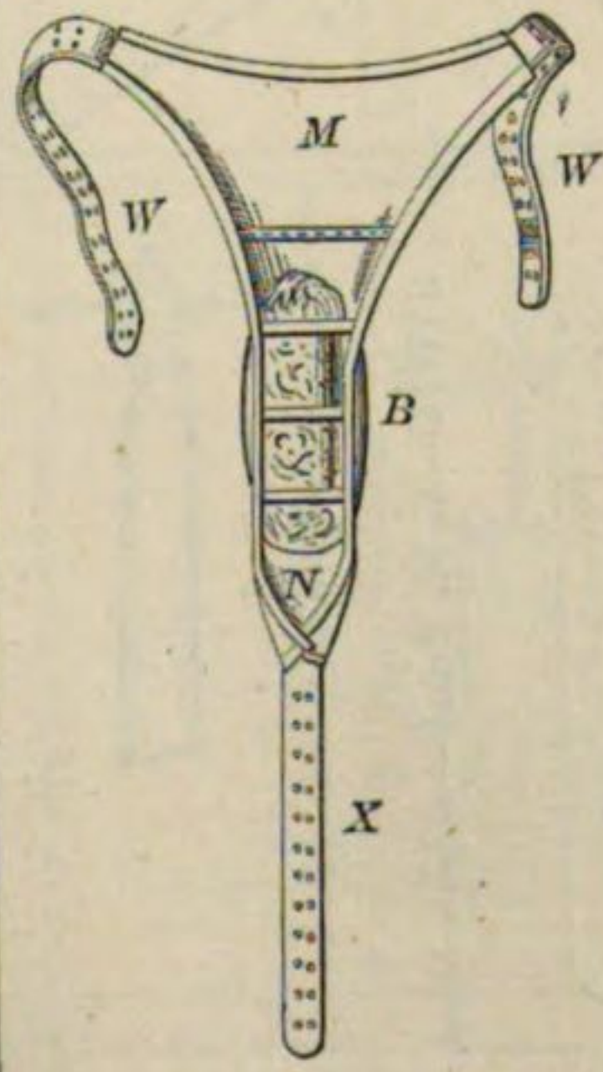
57662—Beach & Klaucke—*Knife and Fork.*



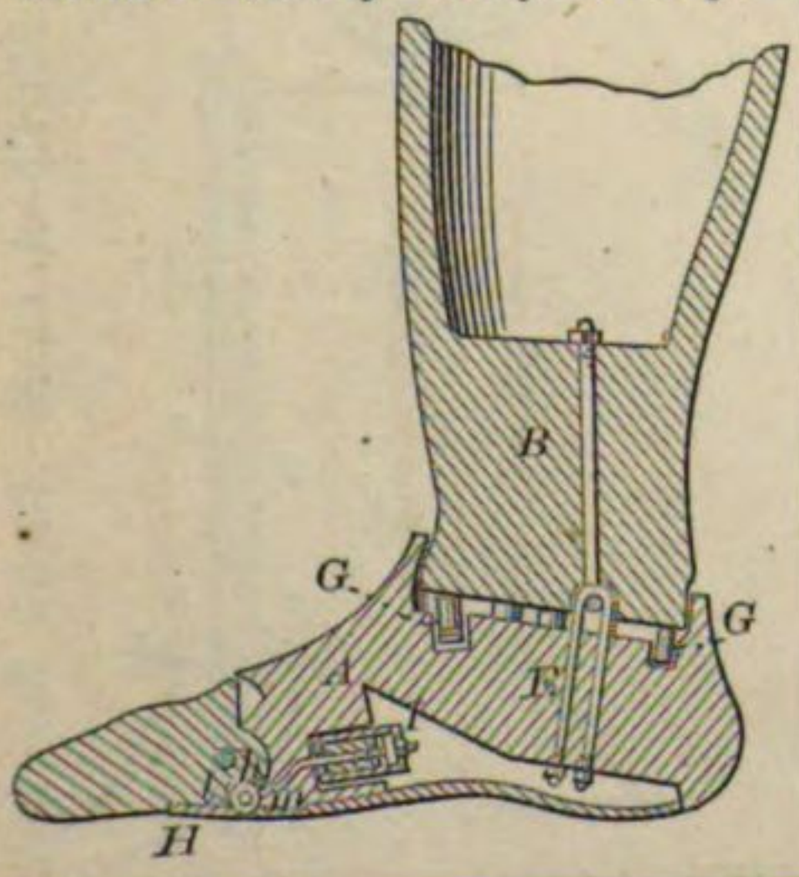
57664—L. H. Bell—*Coupling Joint for Well Boring Shafts.*



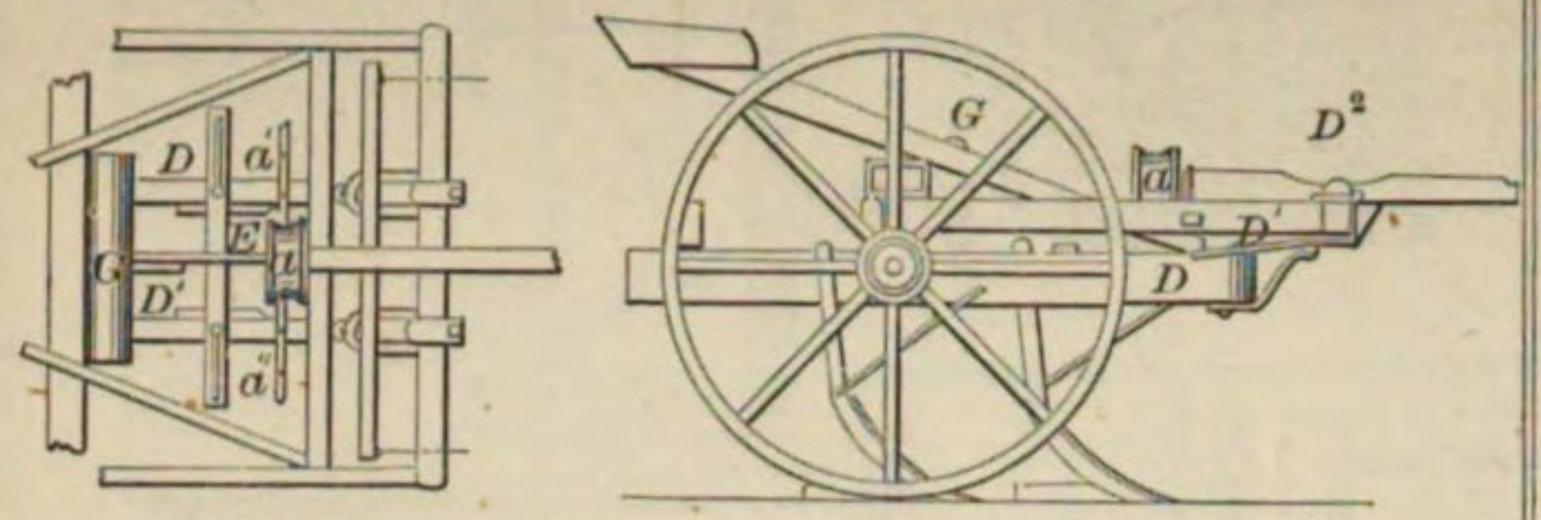
57665—J. C Benzinger—*Catamenial Sack.*



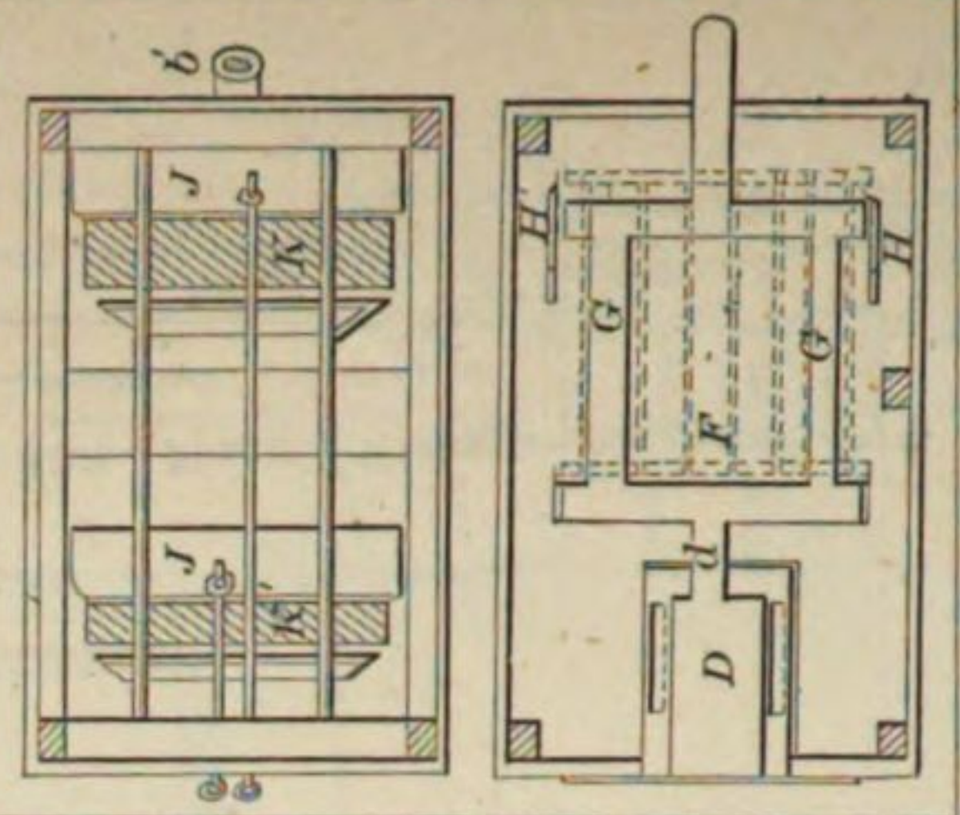
57666—D. Bly—*Artificial Leg.*



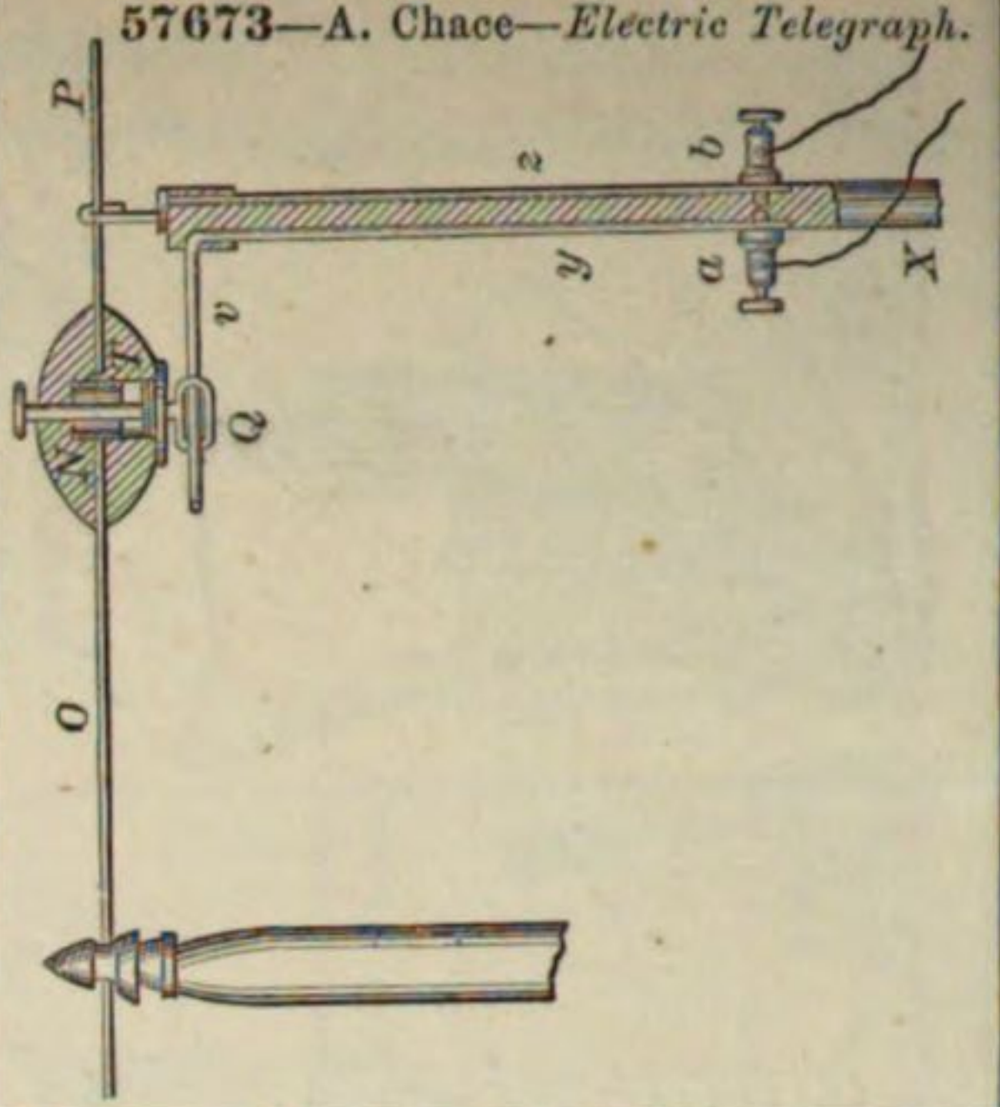
57668—J. W. Boosinger—*Cultivator.*



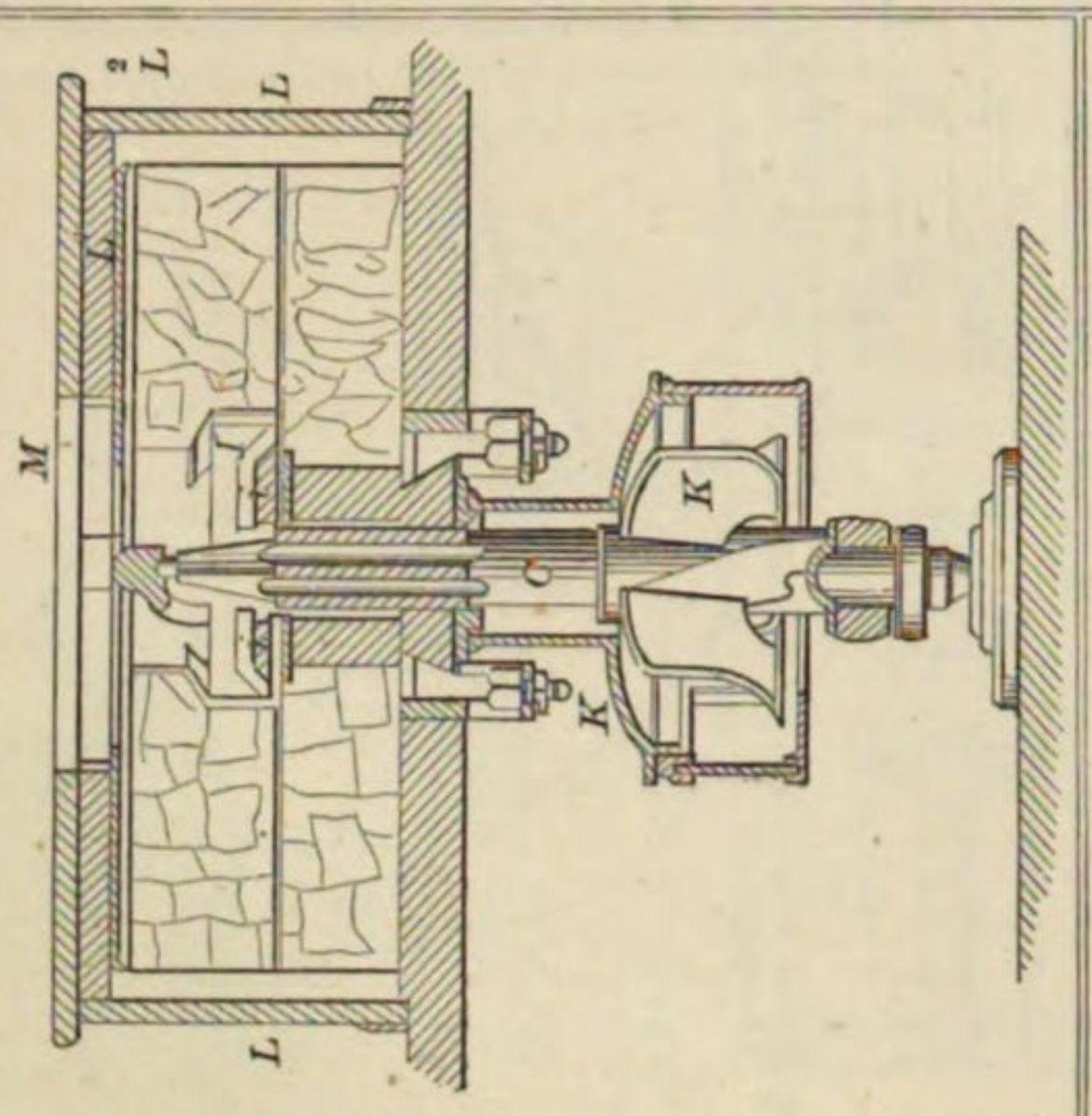
57669—J. K. Boswell—*Dry House.*



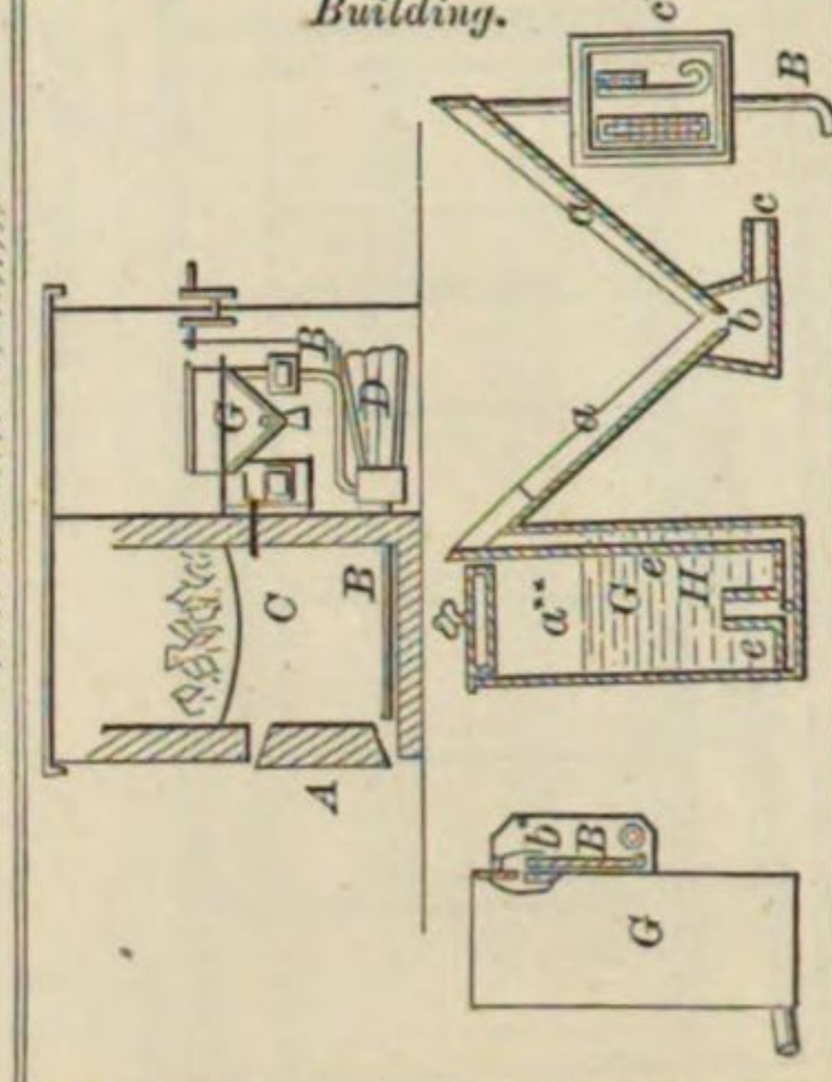
57673—A. Chace—*Electric Telegraph.*



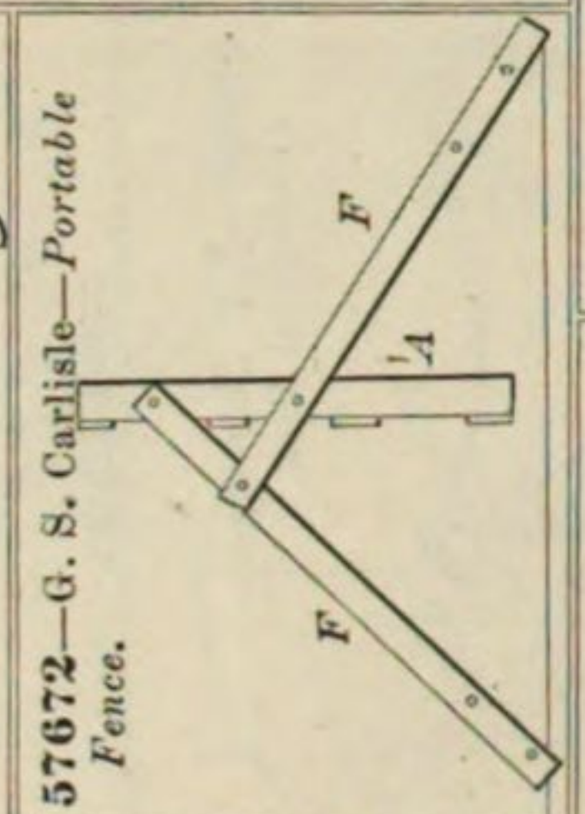
57667—C. Bollinger—*Graining Mill.*



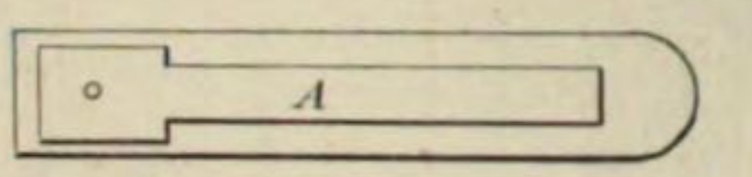
57670—J. A. Boyer—*Refrigrator Building.*



57672—G. S. Carlisle—*Portable Fence.*

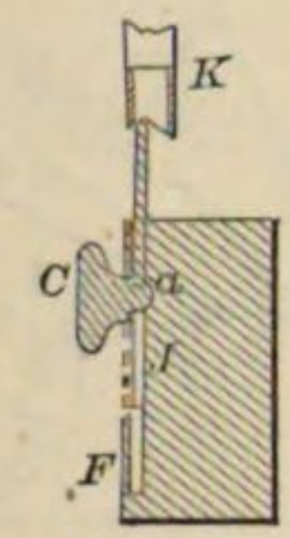


57671—A. M. Brush—*Organ Reed.*

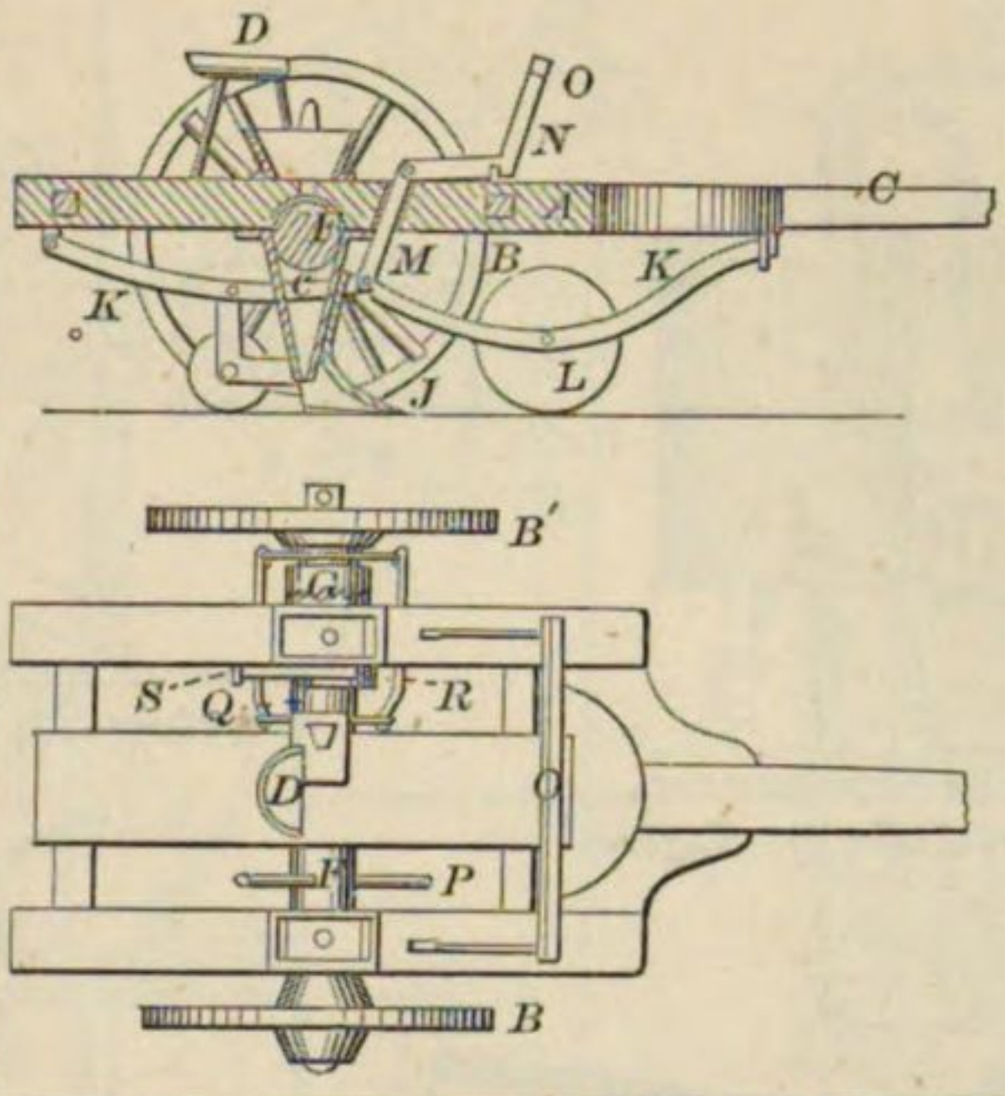


57674—J. Chandler—*Well Tube.*

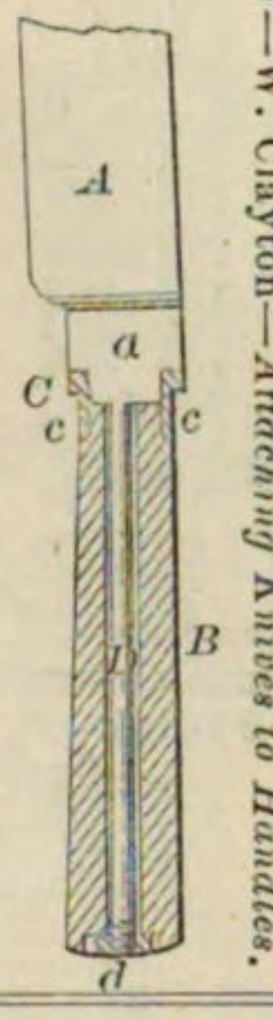
57675—G. L. Chapin—*Venetian Shutters.*



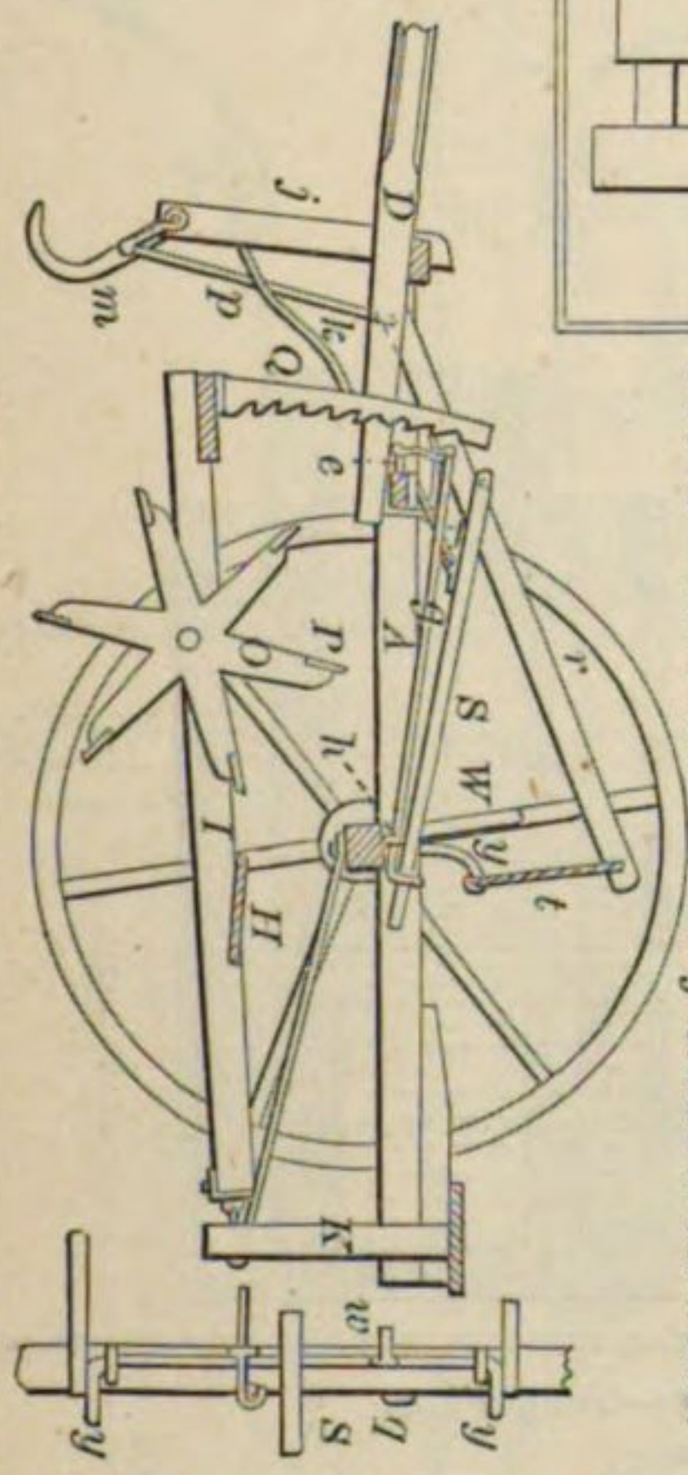
57676—B. Clark—*Corn Planter.*



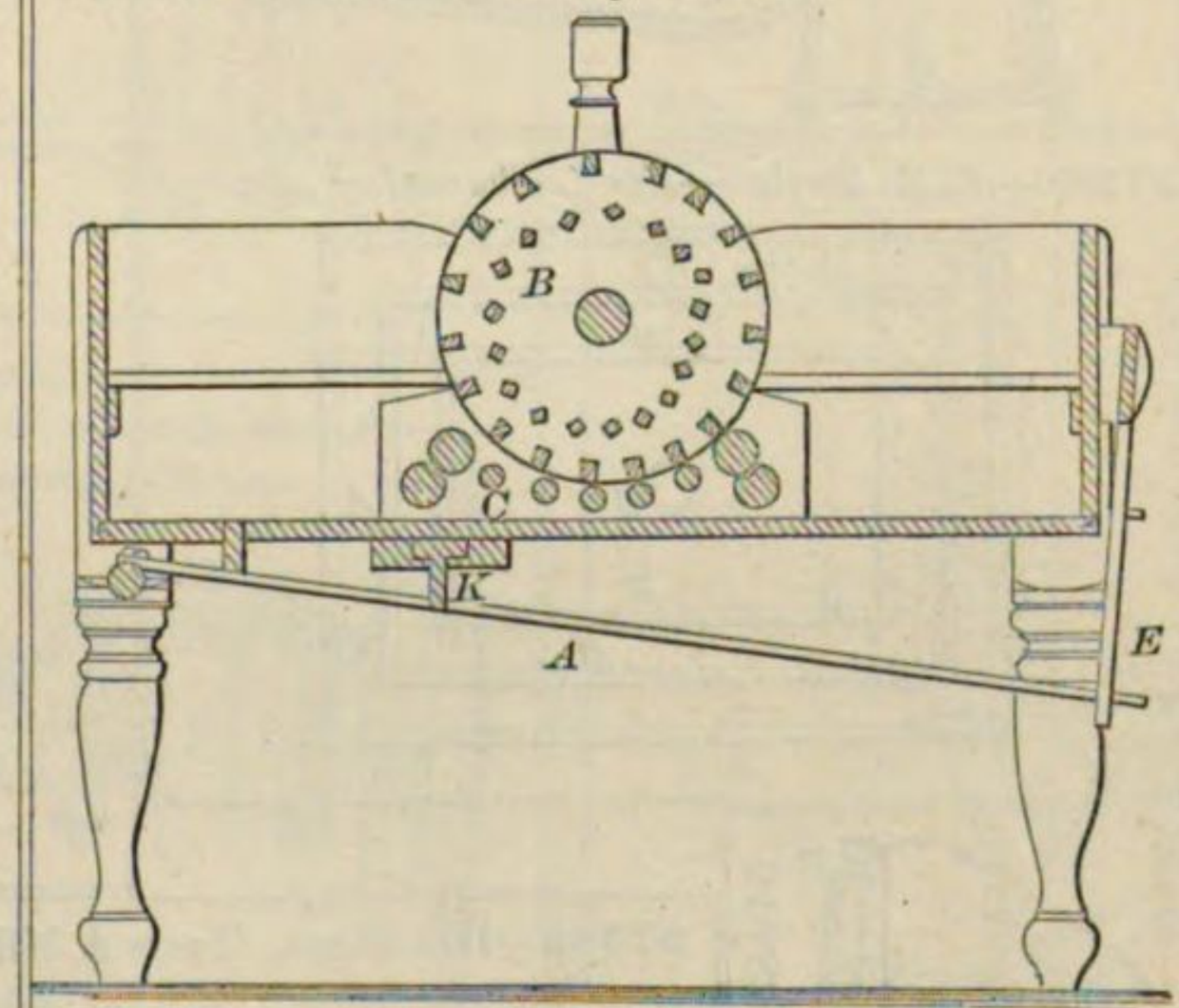
57677—W. Clayton—*Attaching Knives to Handles.*



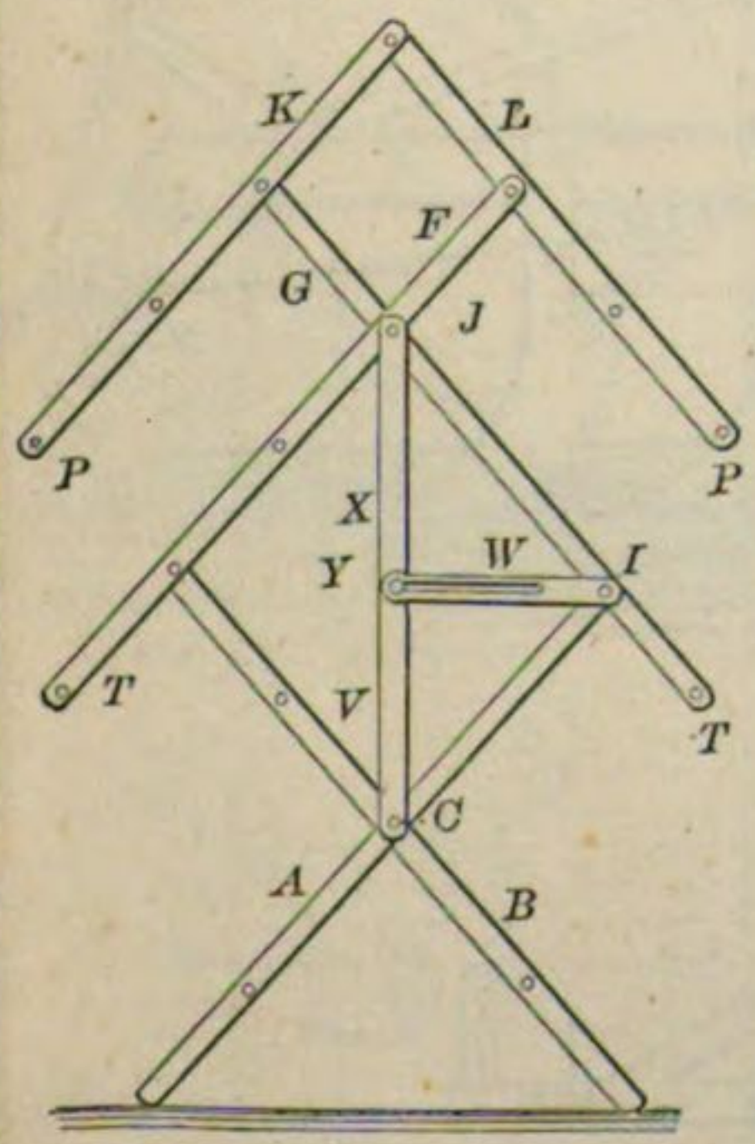
57678—G. W. Cole—*Cutting Stalks in the Field.*



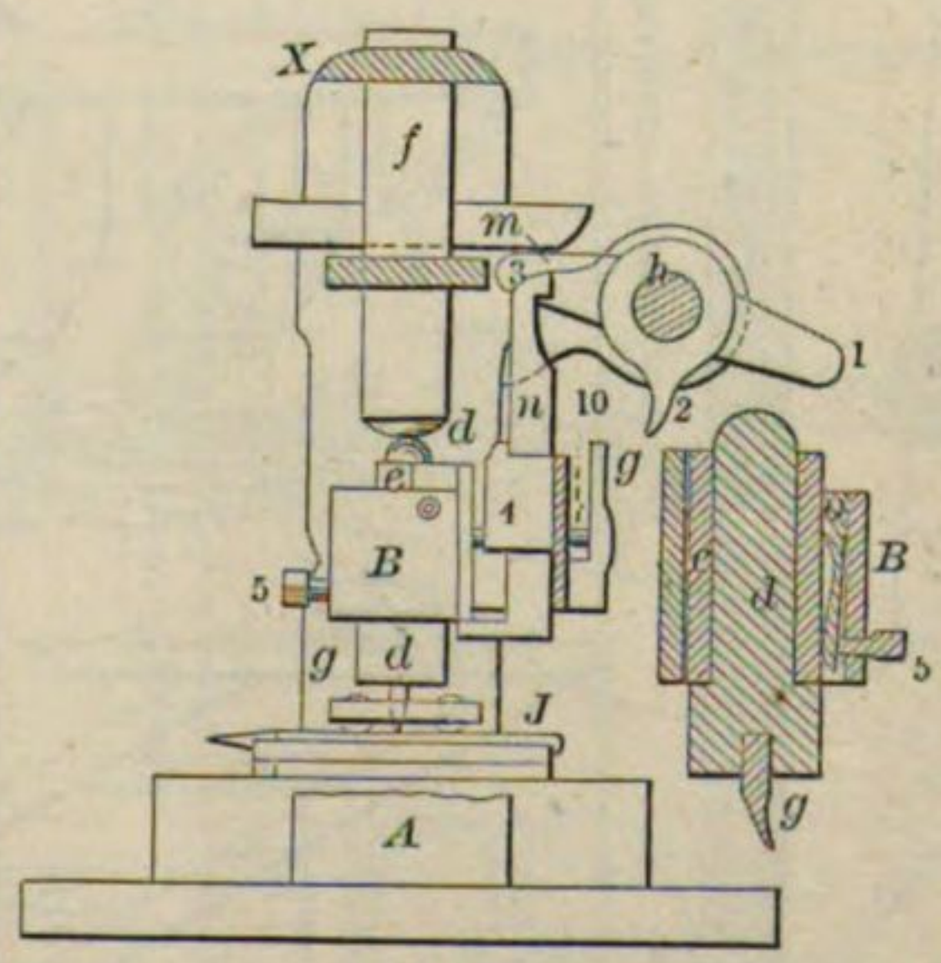
57679—T. Cole—*Washing Machine.*



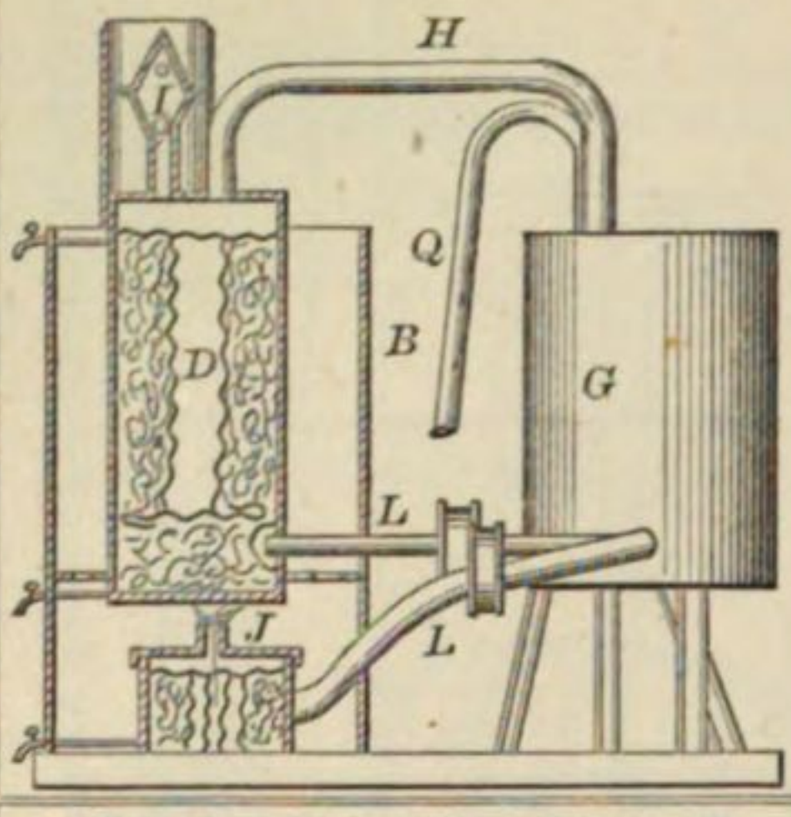
57681—I. C. Connor—*Clothes Dryer.*



57680—H. B. Comer—*File Cutting Machine.*



57682—M. P. Coons—*Gas Generator.*



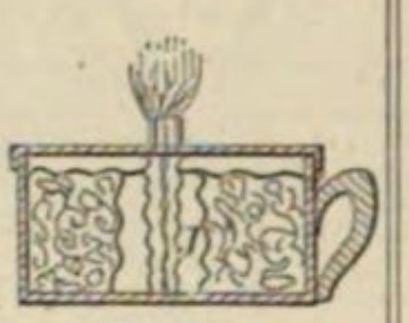
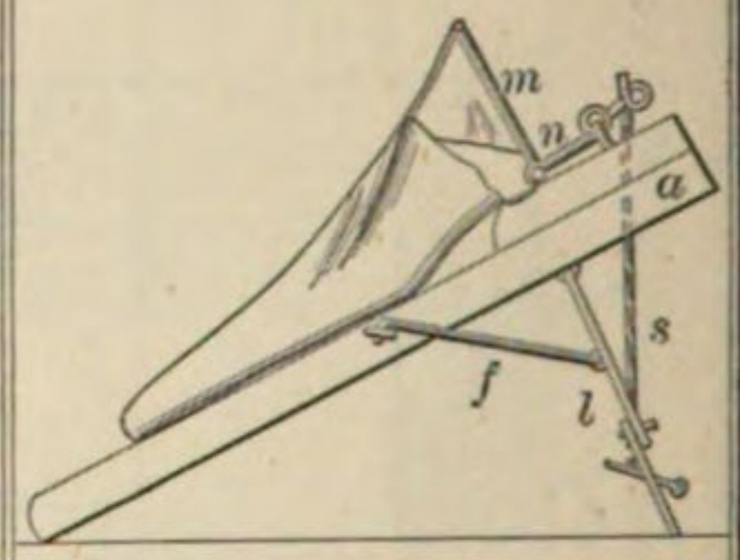
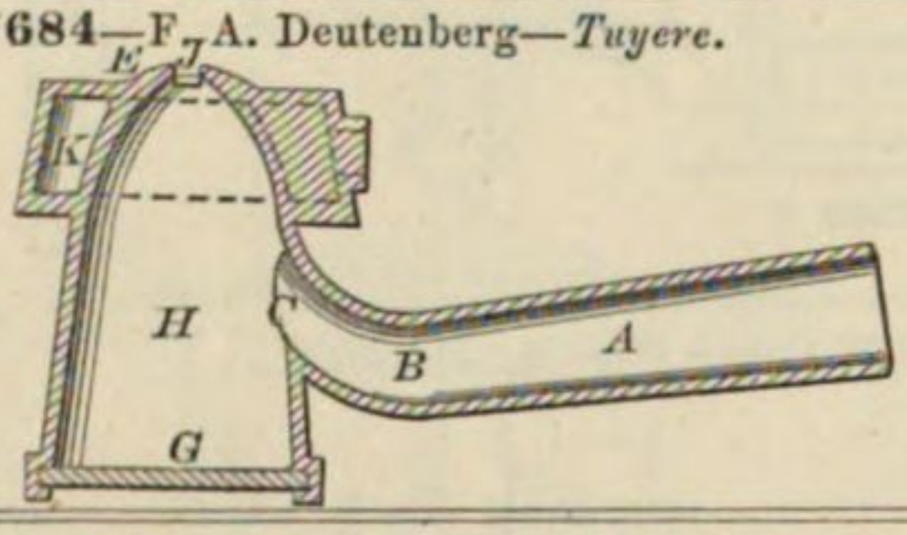


Fig. 4

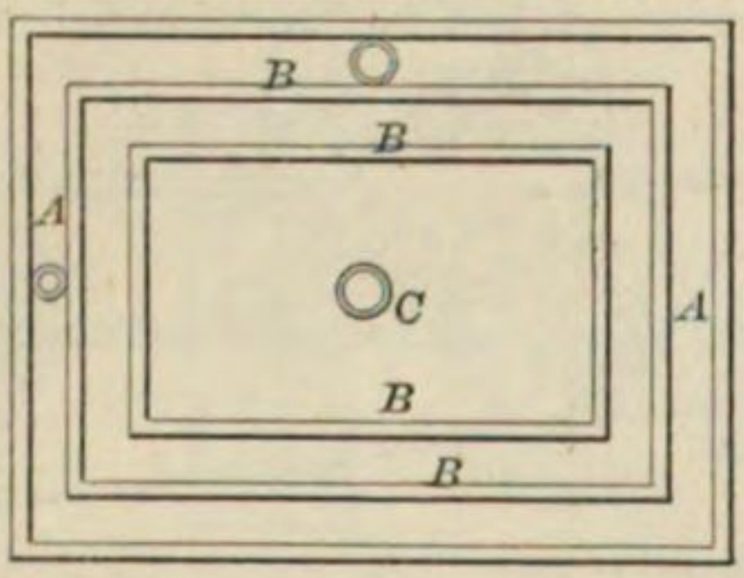
57683—G. E. Corbin—*Bag Holder.*



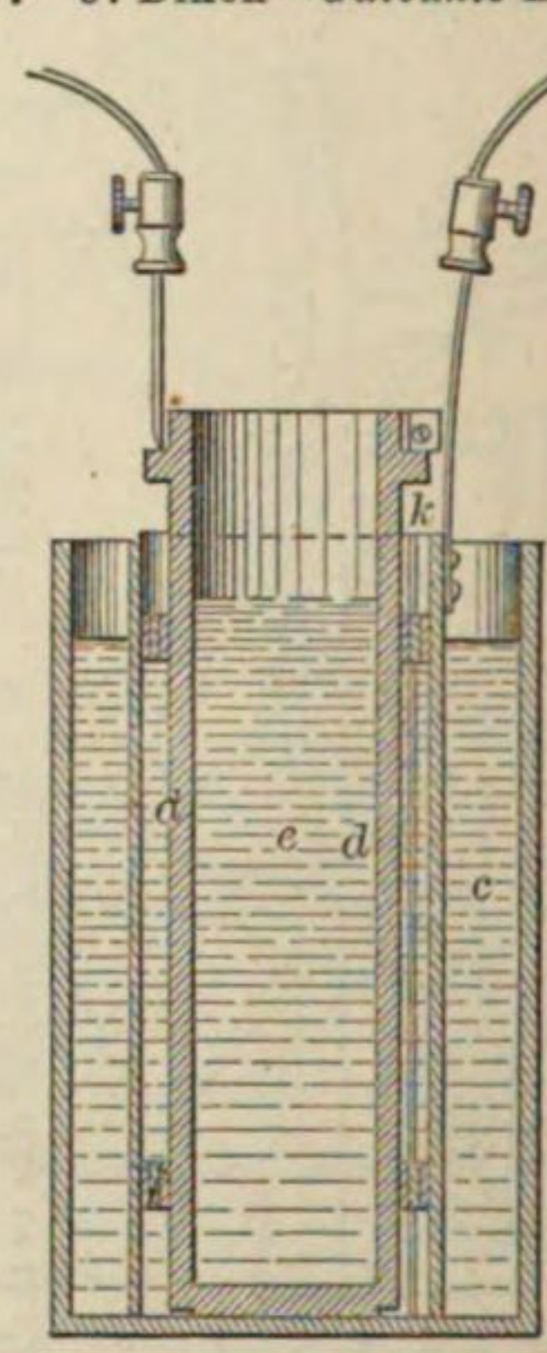
57684—F. A. Deutenberg—*Tuyere.*



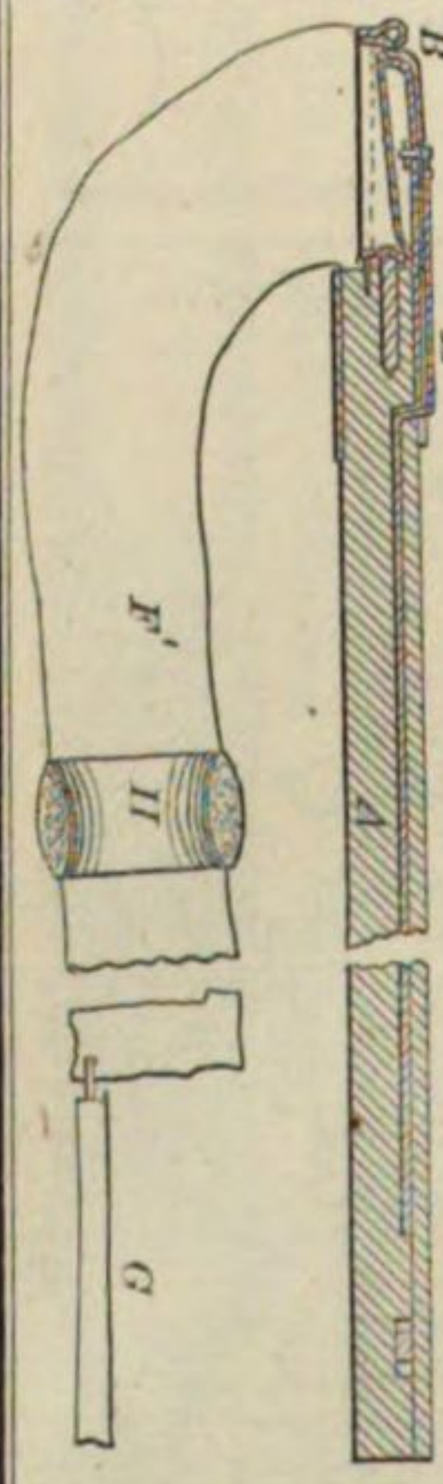
57686—S. R. Devine—*For Carburetting Air.*



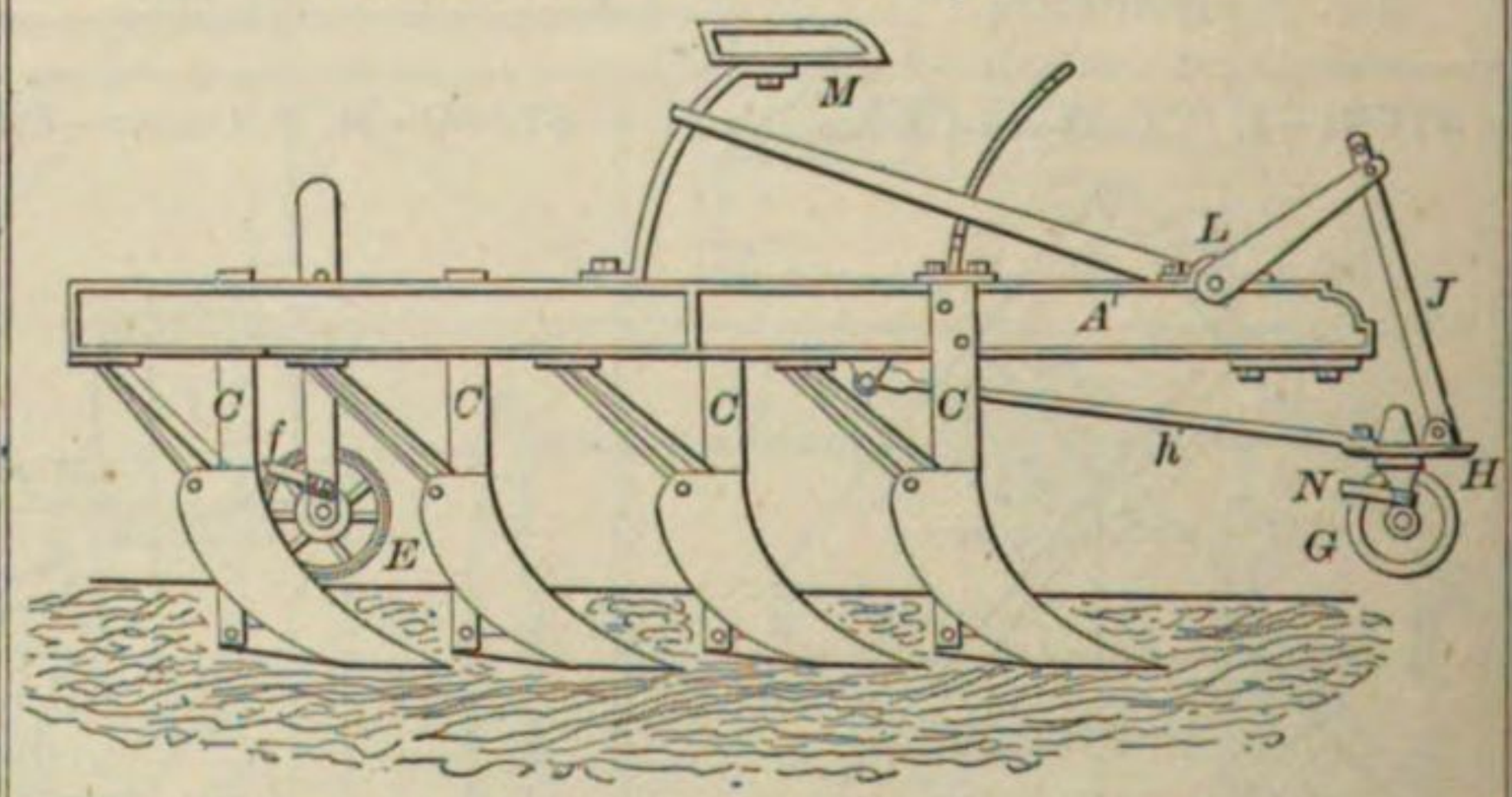
57687—J. Dixon—*Galvanic Battery.*

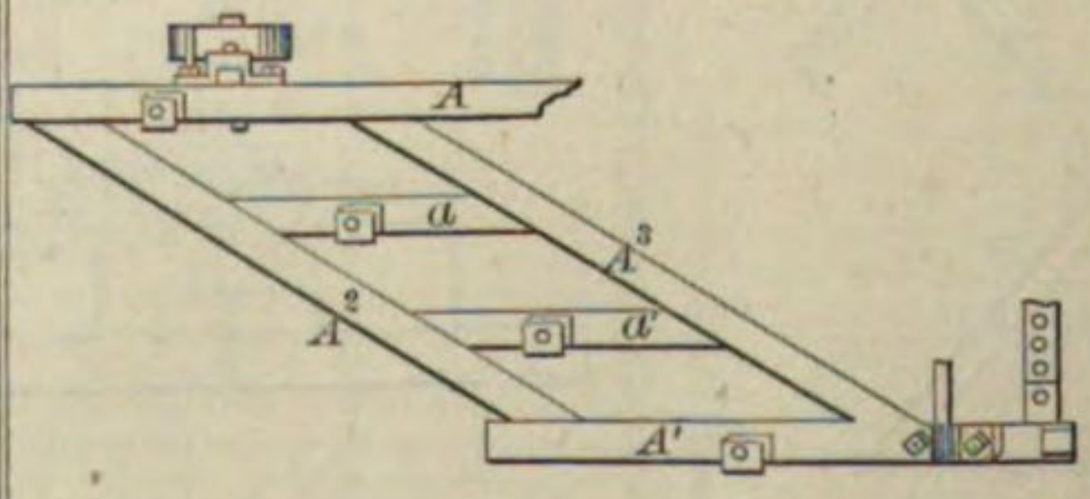


57685—O. R. Dinsmore—*Fruit Gatherer.*

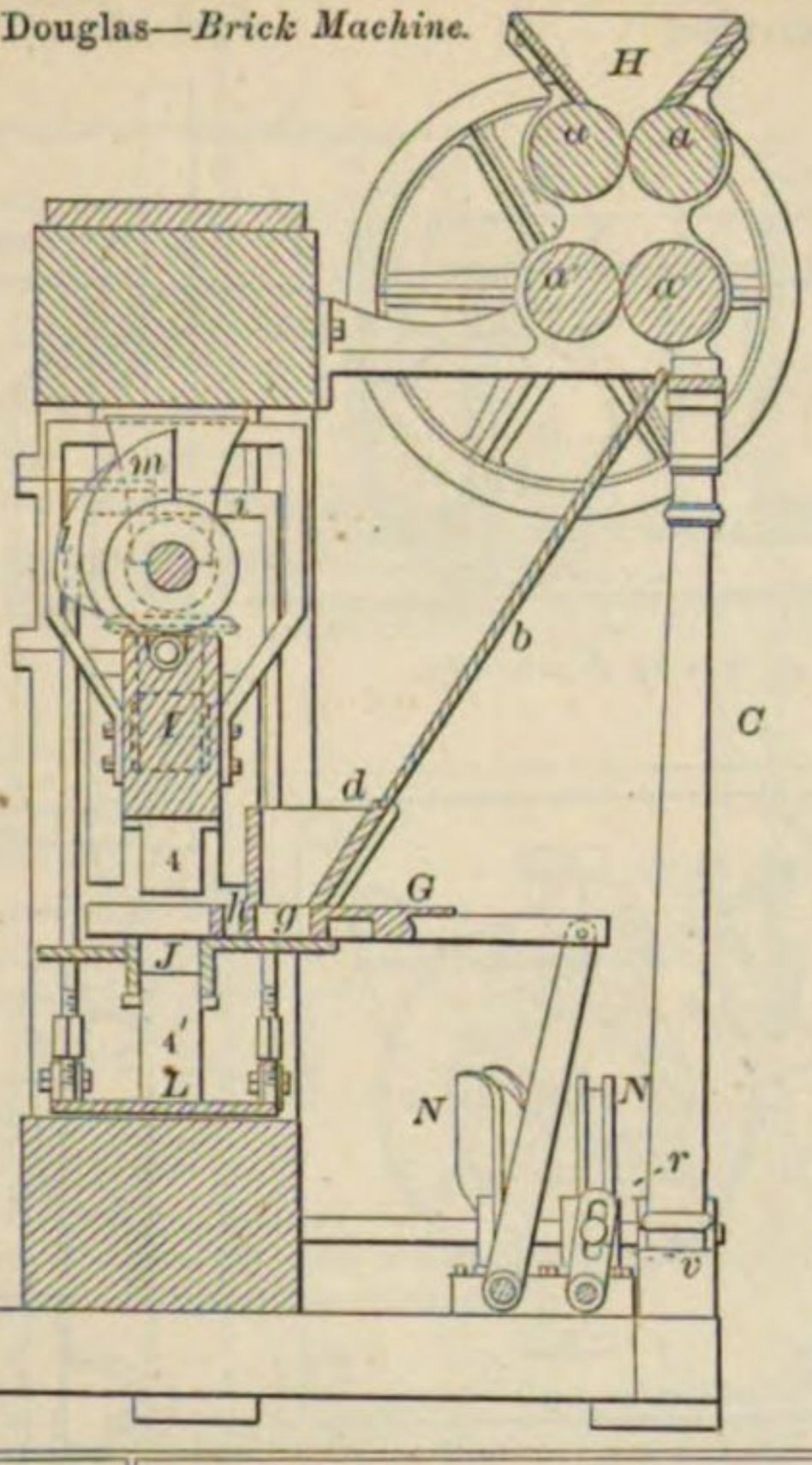


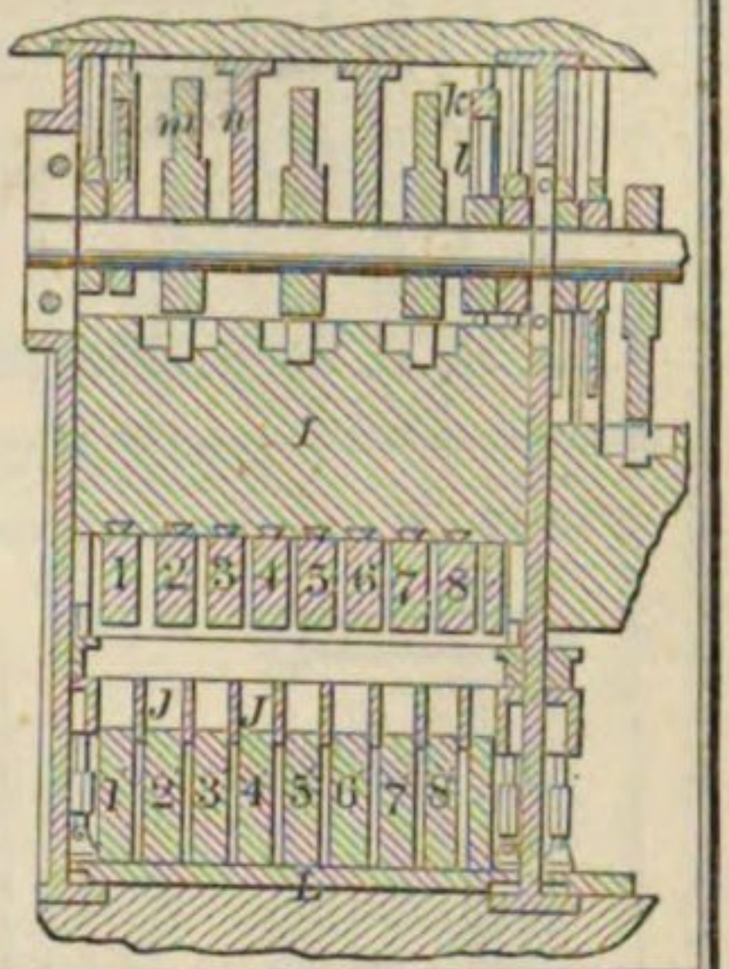
57688—Donaldson, Sheets & Miller—*Gang Plow.*



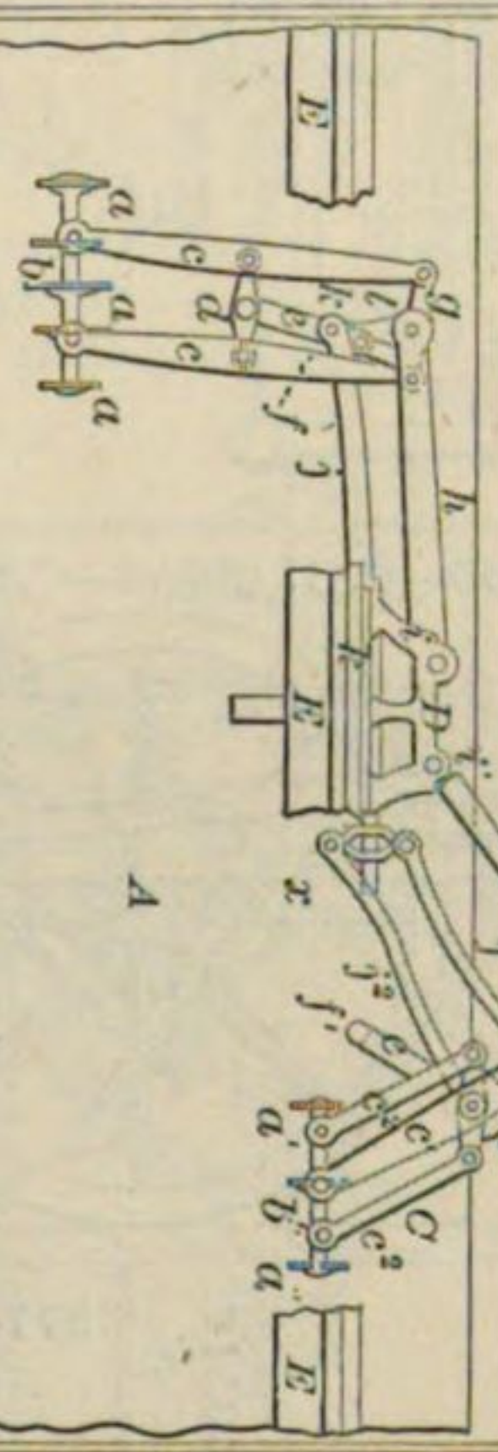


57689—R. A. Douglas—*Brick Machine.*

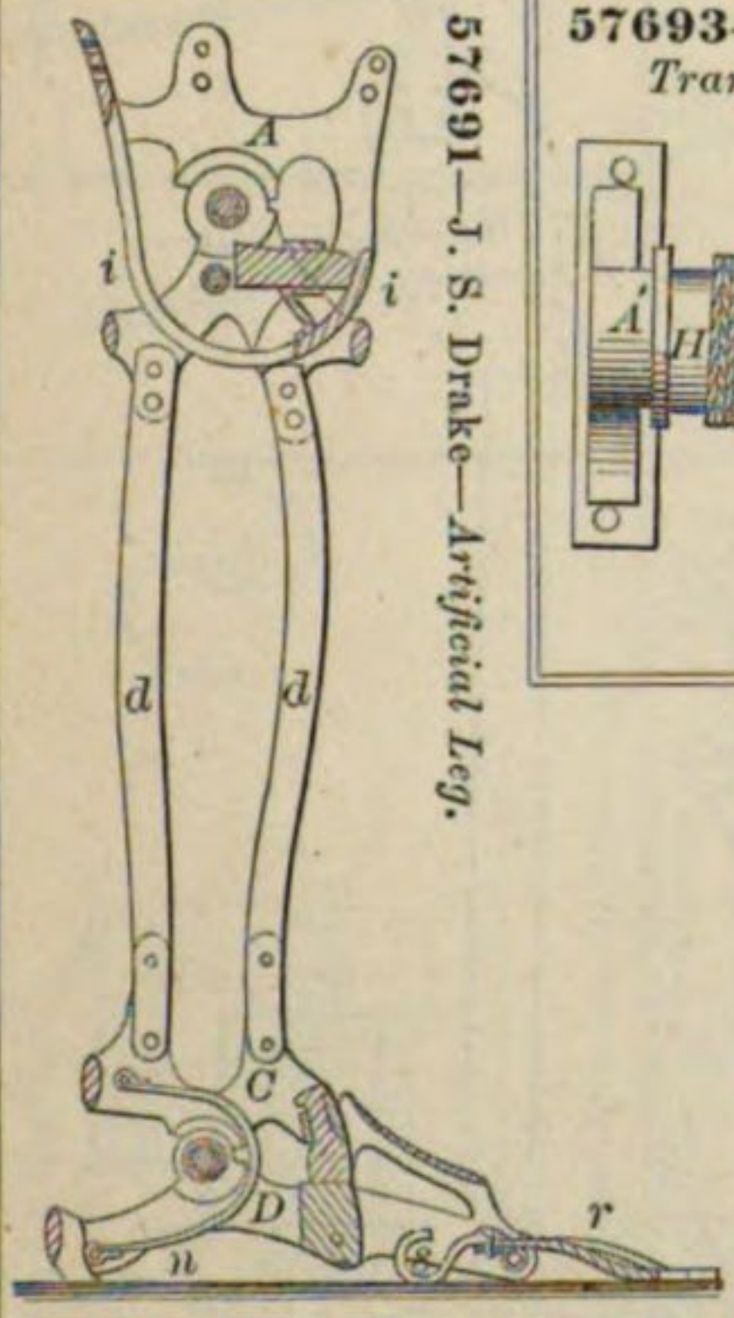




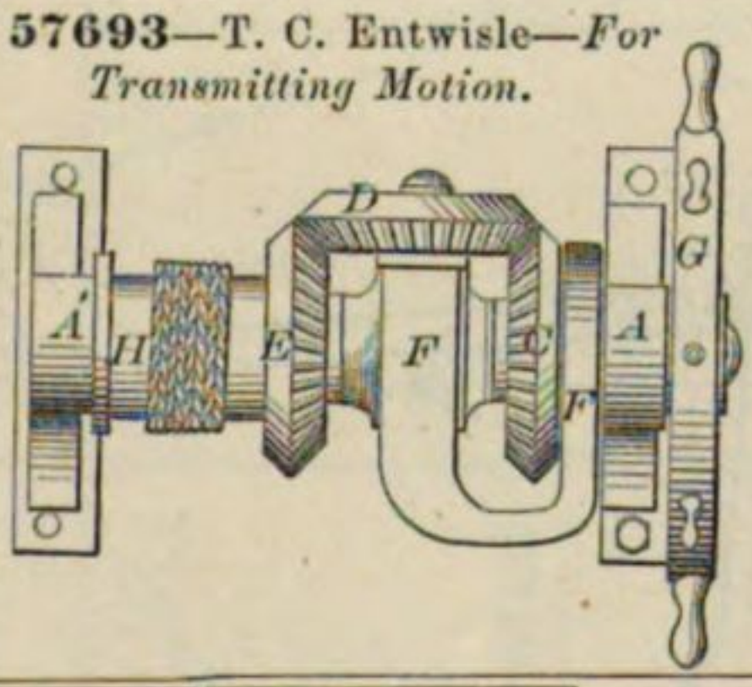
57690—A. Doyle—*Steamship Propeller.*



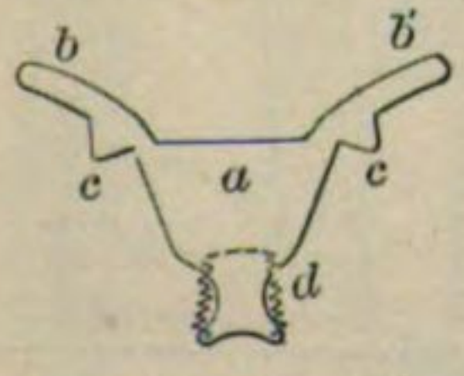
57691—J. S. Drake—*Artificial Leg.*



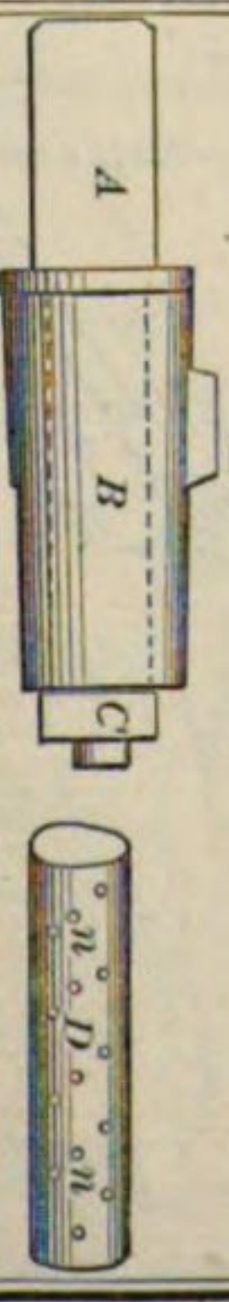
57693—T. C. Entwisle—*For Transmitting Motion.*



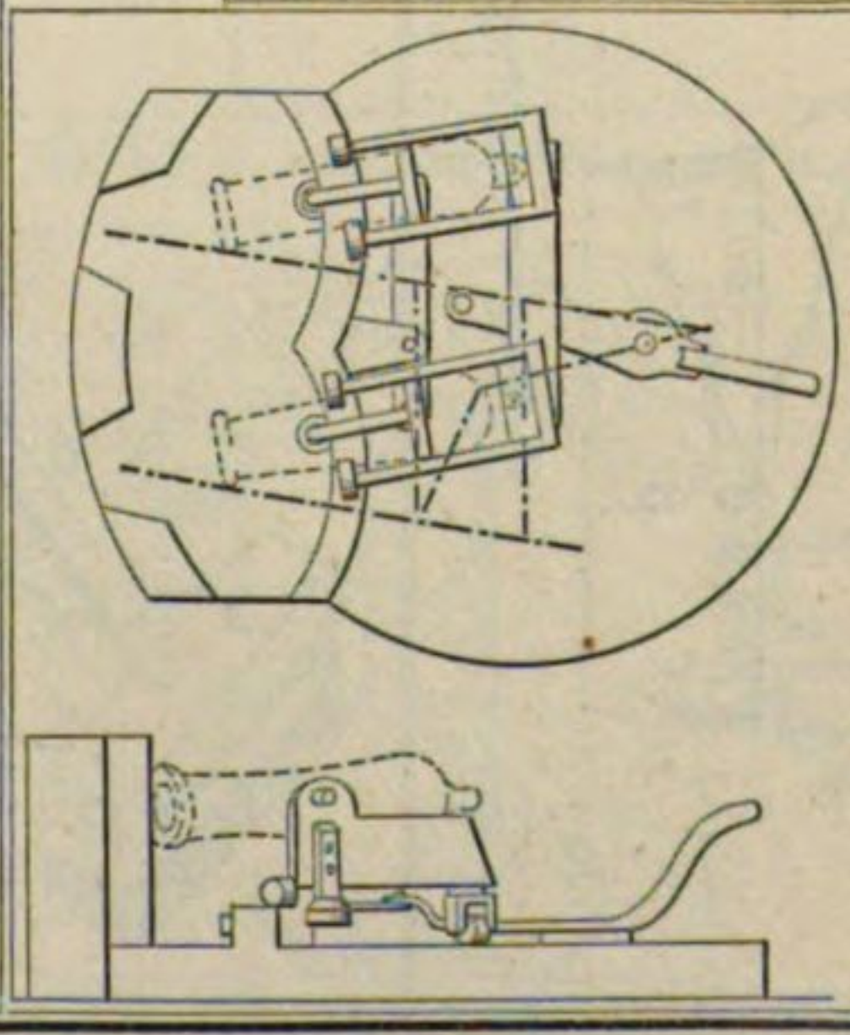
57694—J. A. Eshleman—*Neck Tie Supporter.*



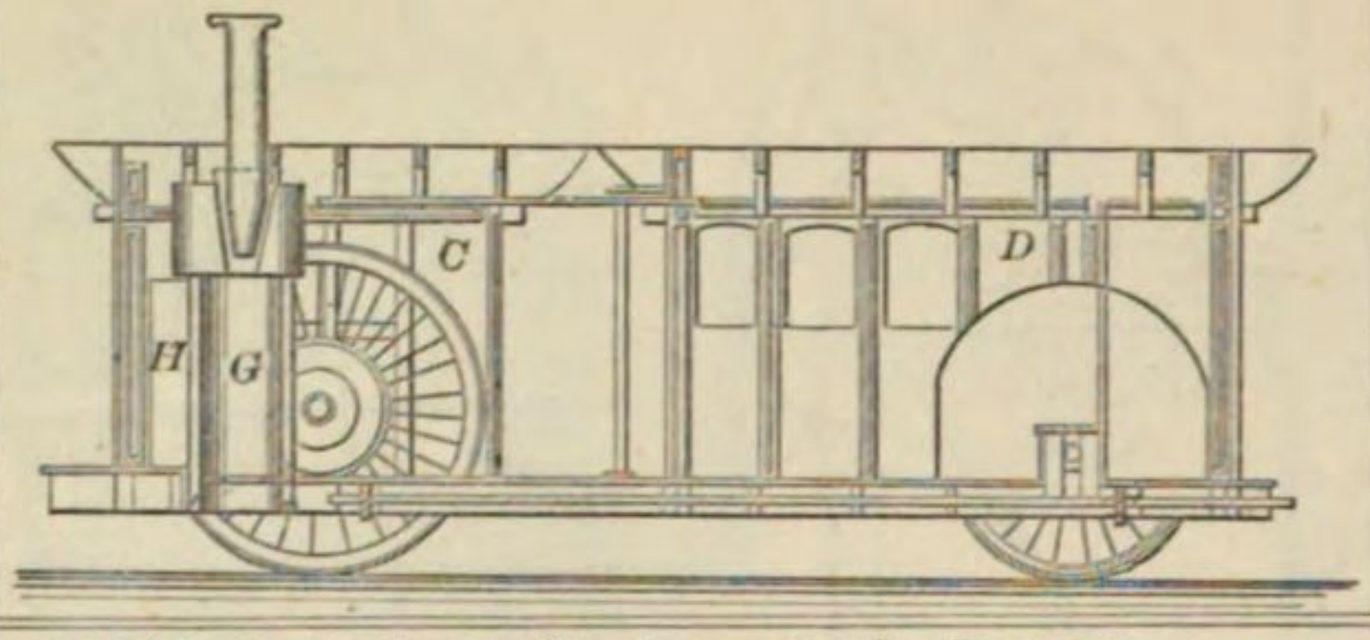
57695—S. H. Everett—*Lubricating Brush.*



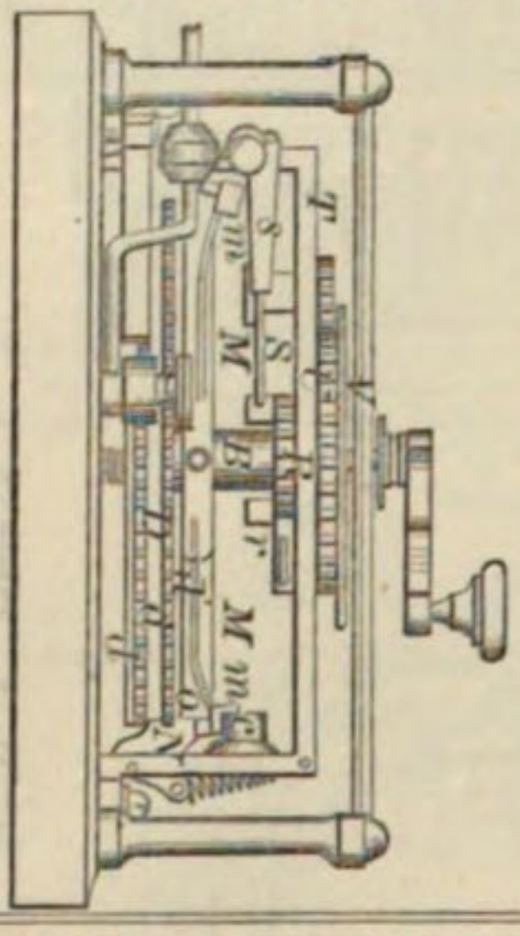
57692—J. B. Eads—*Operating Ordnance.*

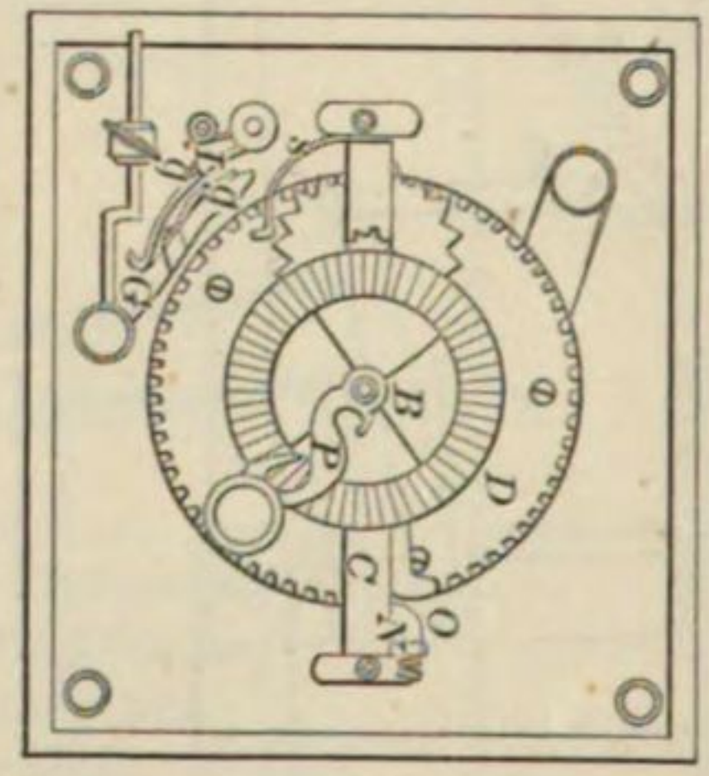


57696—M. Fletcher—*Steam Carriage.*

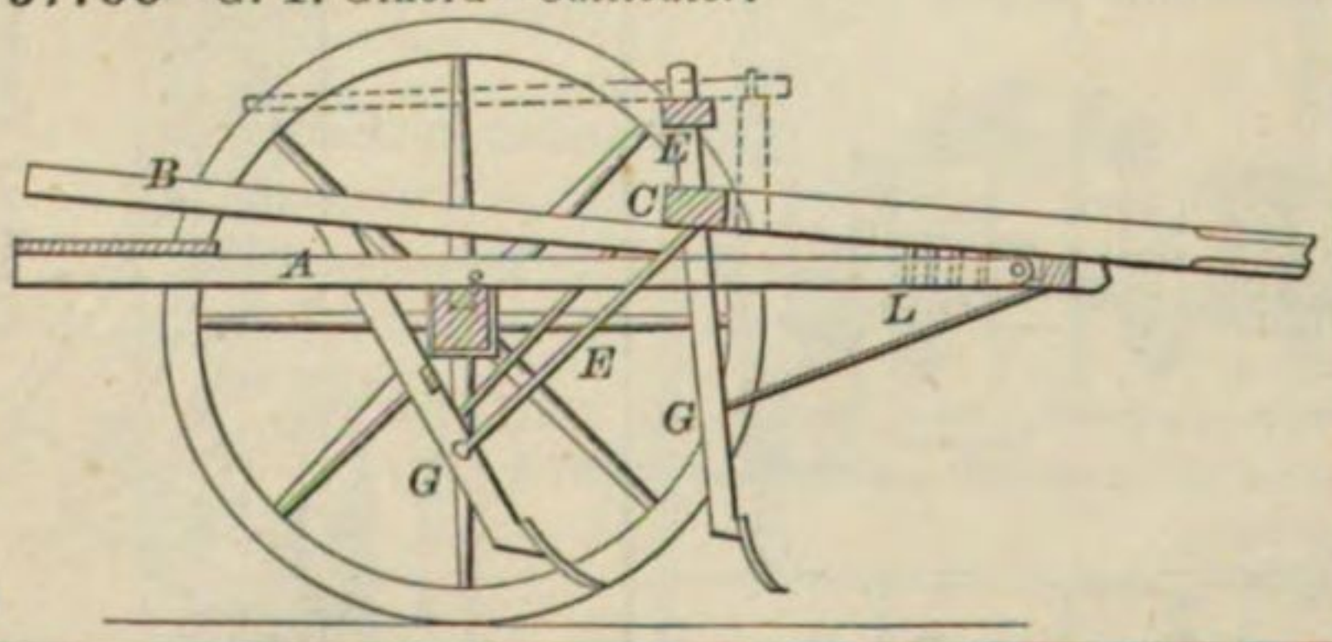


57697—S. Gardiner—*Turning on Gas by Electricity.*

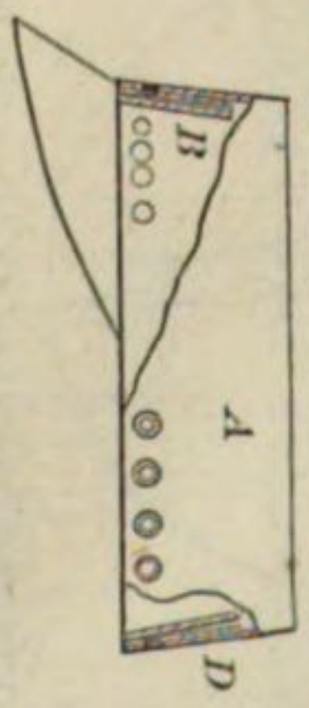




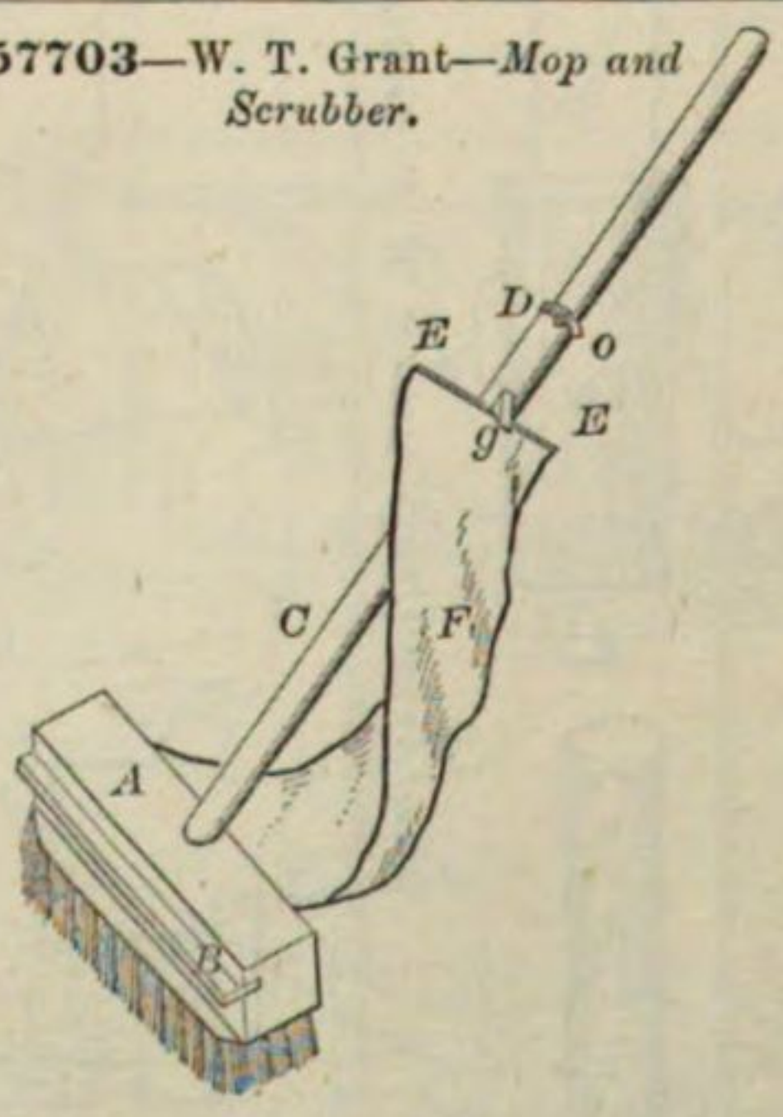
57700—G. T. Gifford—*Cultivator.*



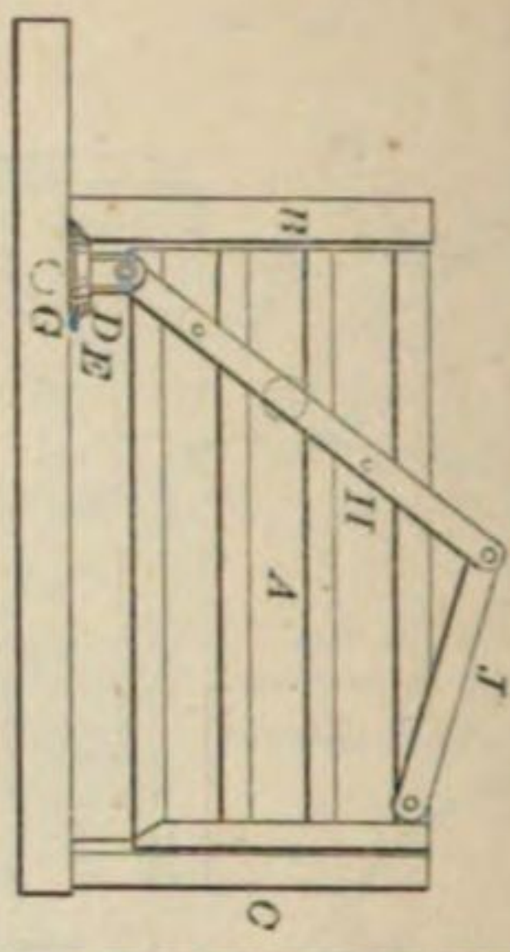
57702—S. Goldstone—*Cap.*



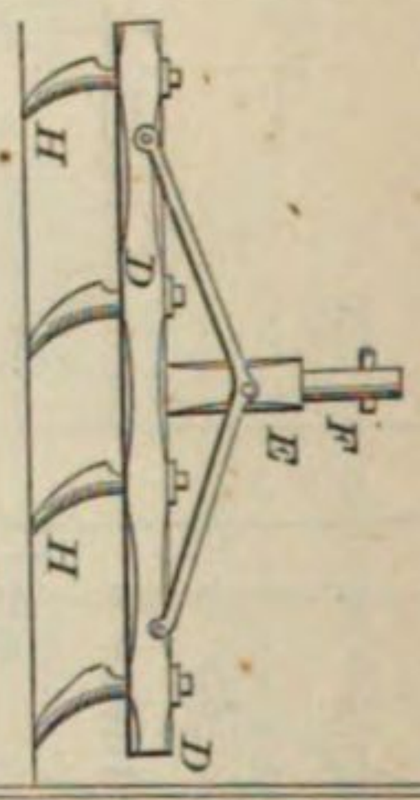
57703—W. T. Grant—*Mop and Scrubber.*



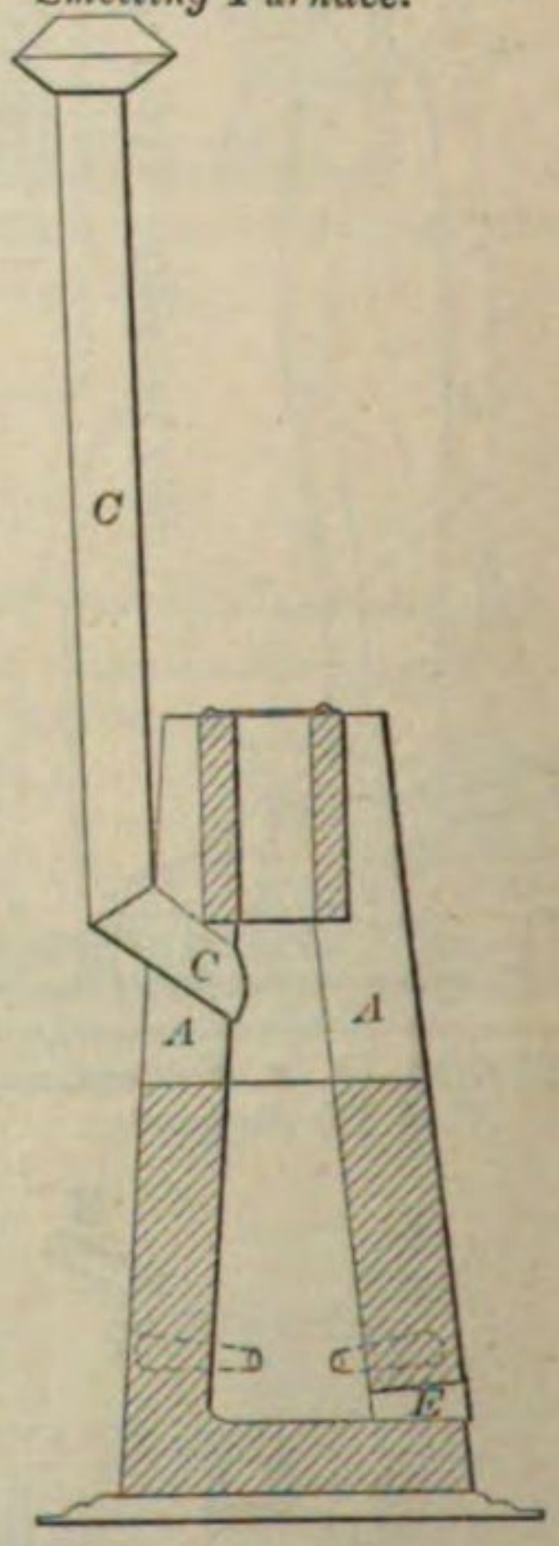
57698—F. Gay—*Farm Gate.*



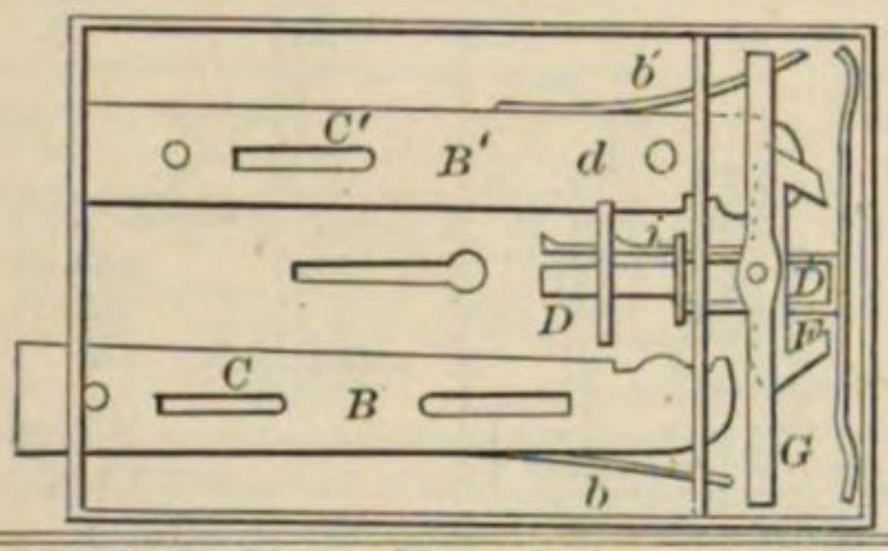
57699—W. Geahr—*Cultivator.*



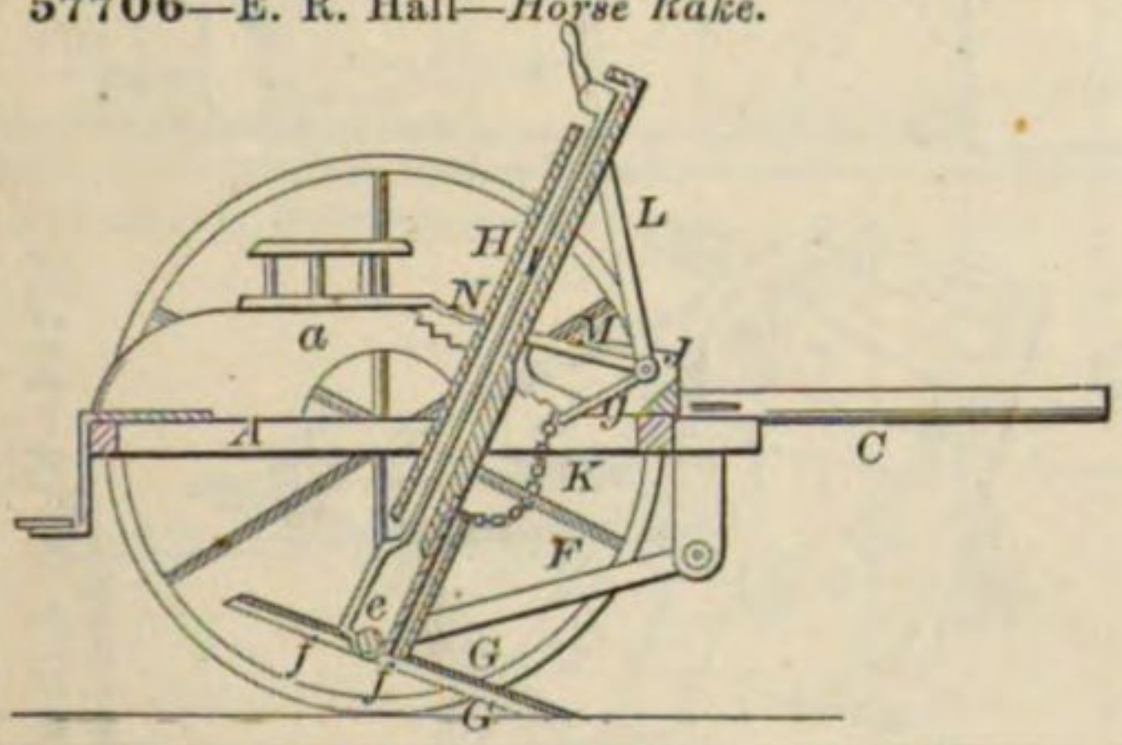
57701—J. L. Gill—*Smelting Furnace.*



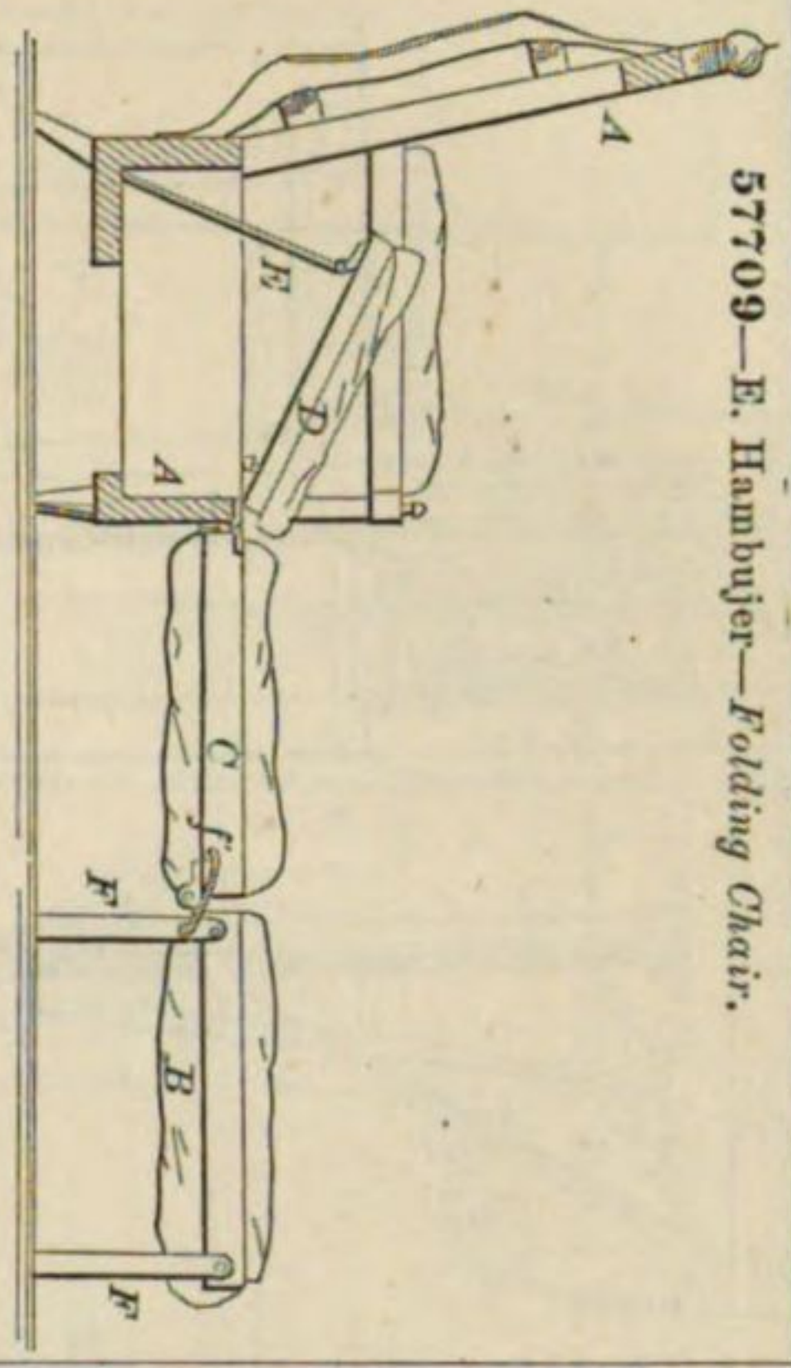
57704—J. T. Guthrie—*Lock.*



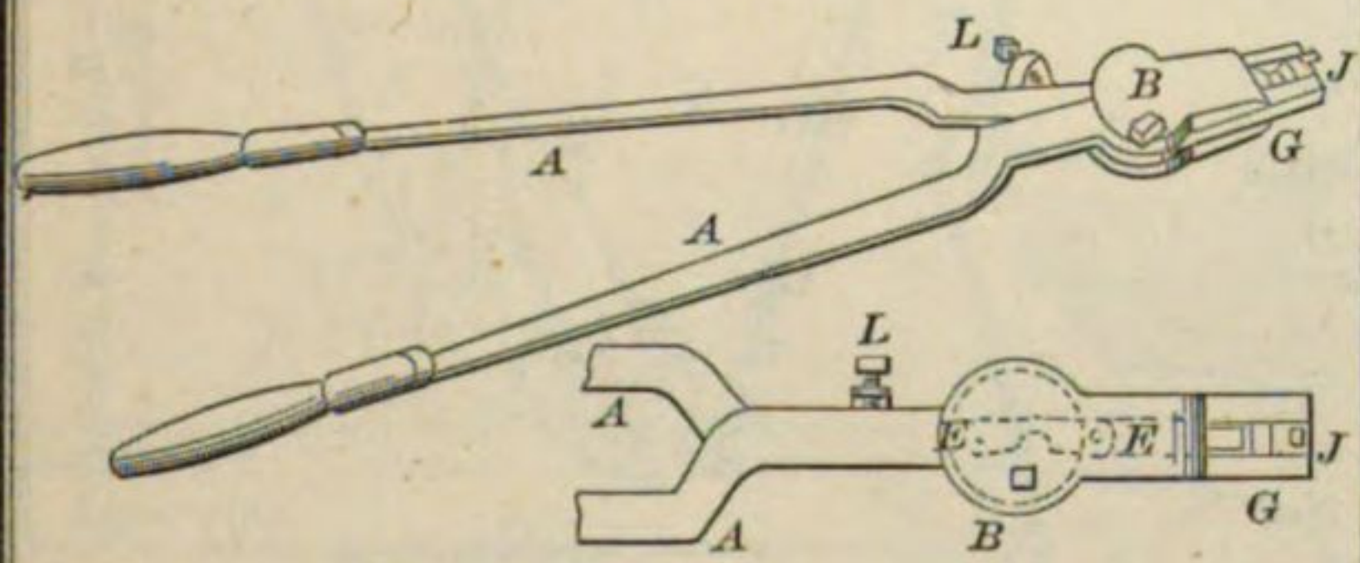
57706—E. R. Hall—*Horse Rake.*



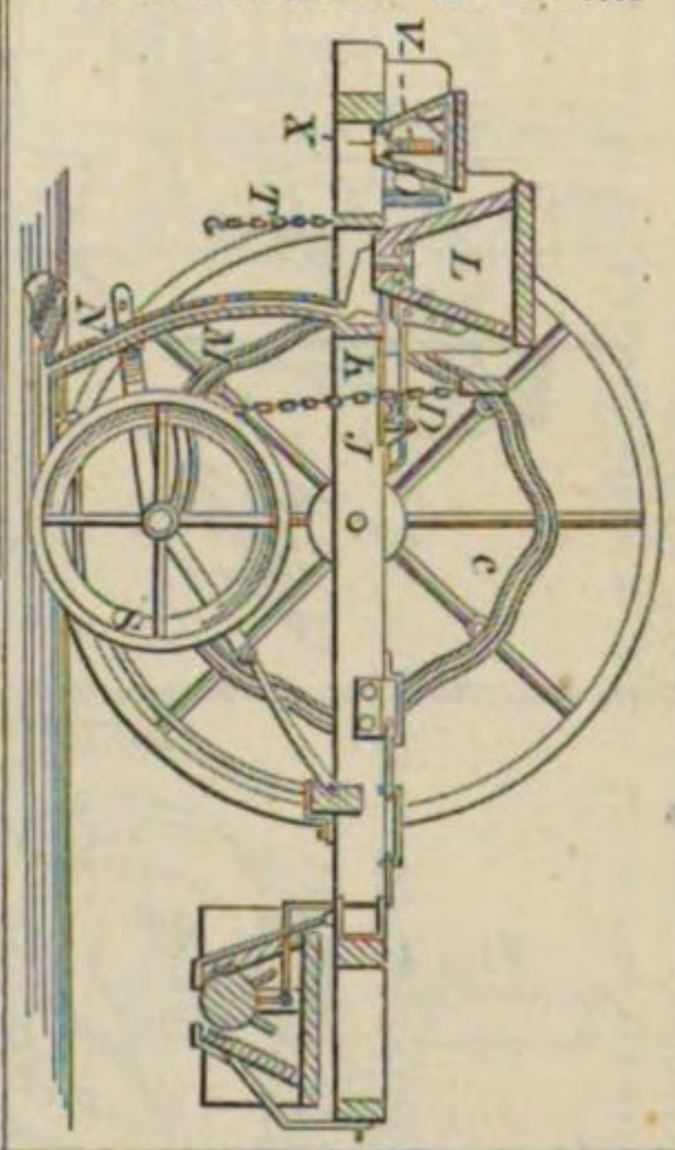
57709—E. Hambujer—*Folding Chair.*



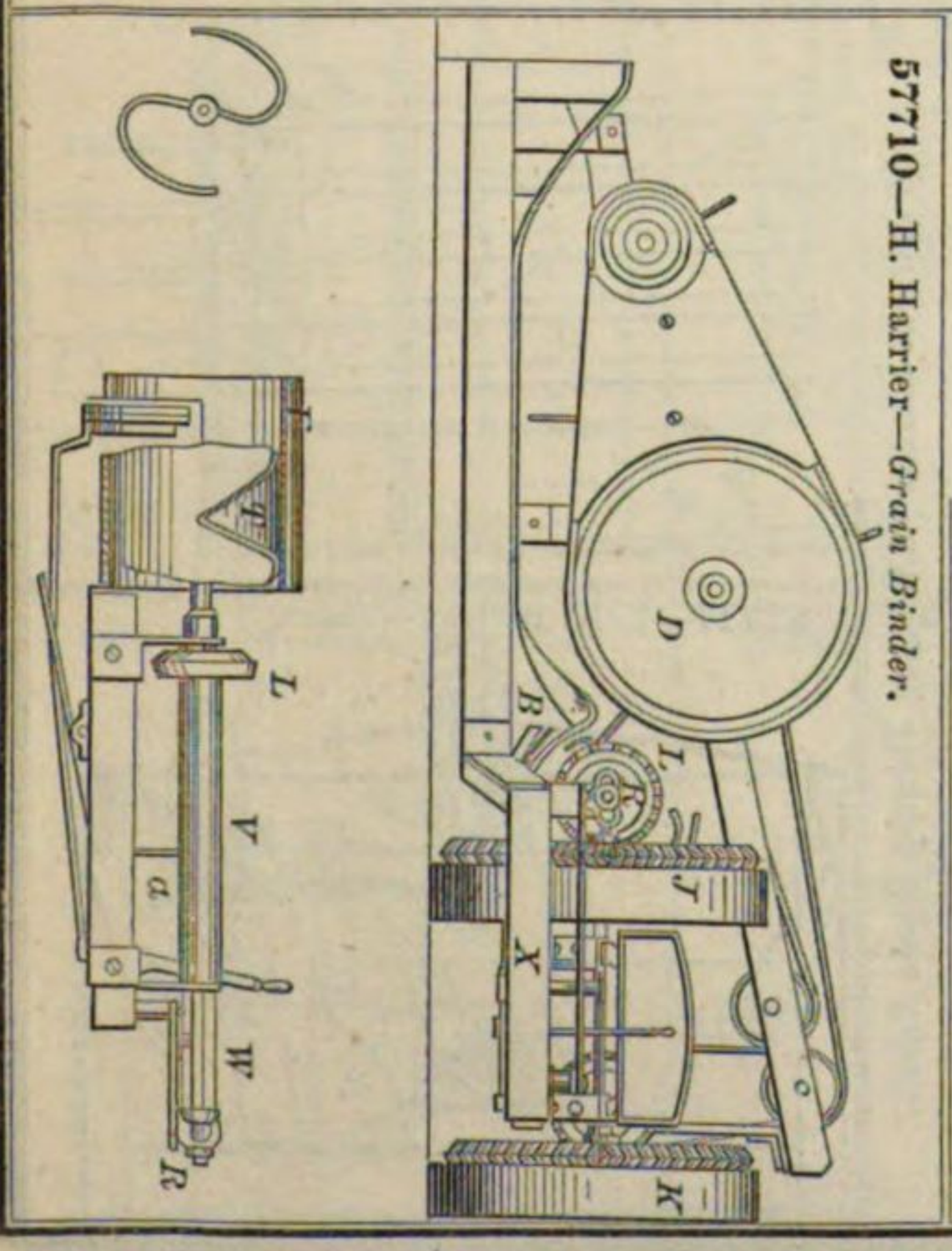
57705—J. Guthrie—*Bolt Cutting Shears.*



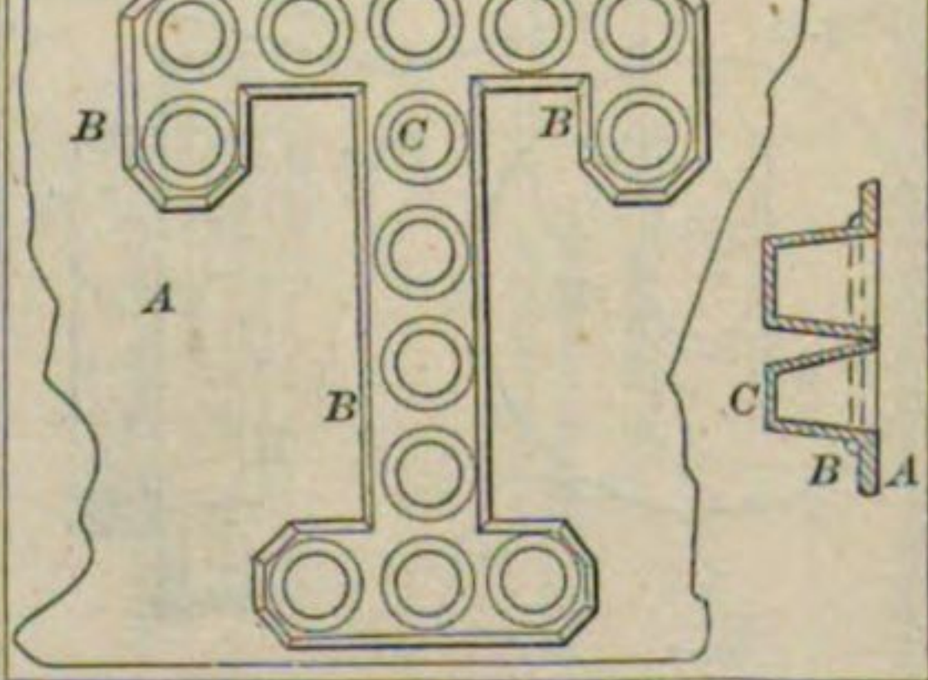
57707—G. W. Hall—
Combined Sower and Drill.



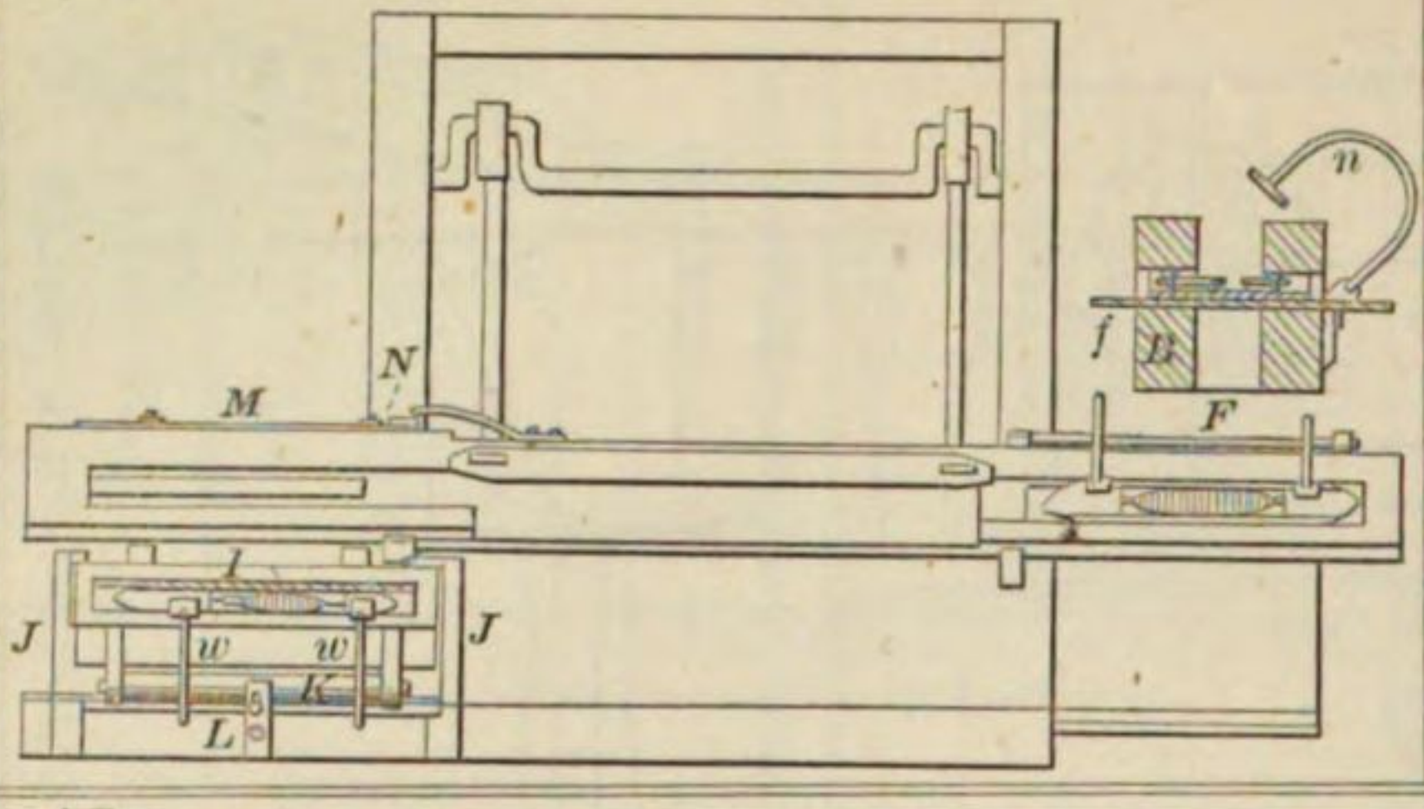
57710—H. Harrier—*Grain Binder.*



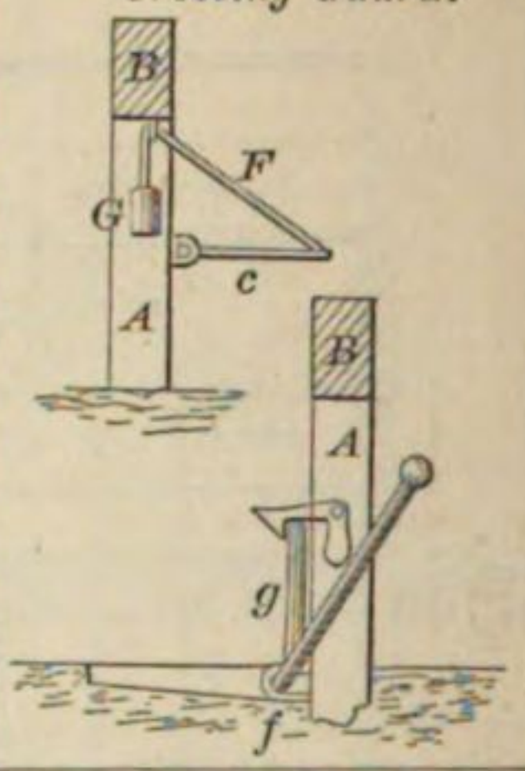
57711—J. Harrison—*Illuminated Sign.*



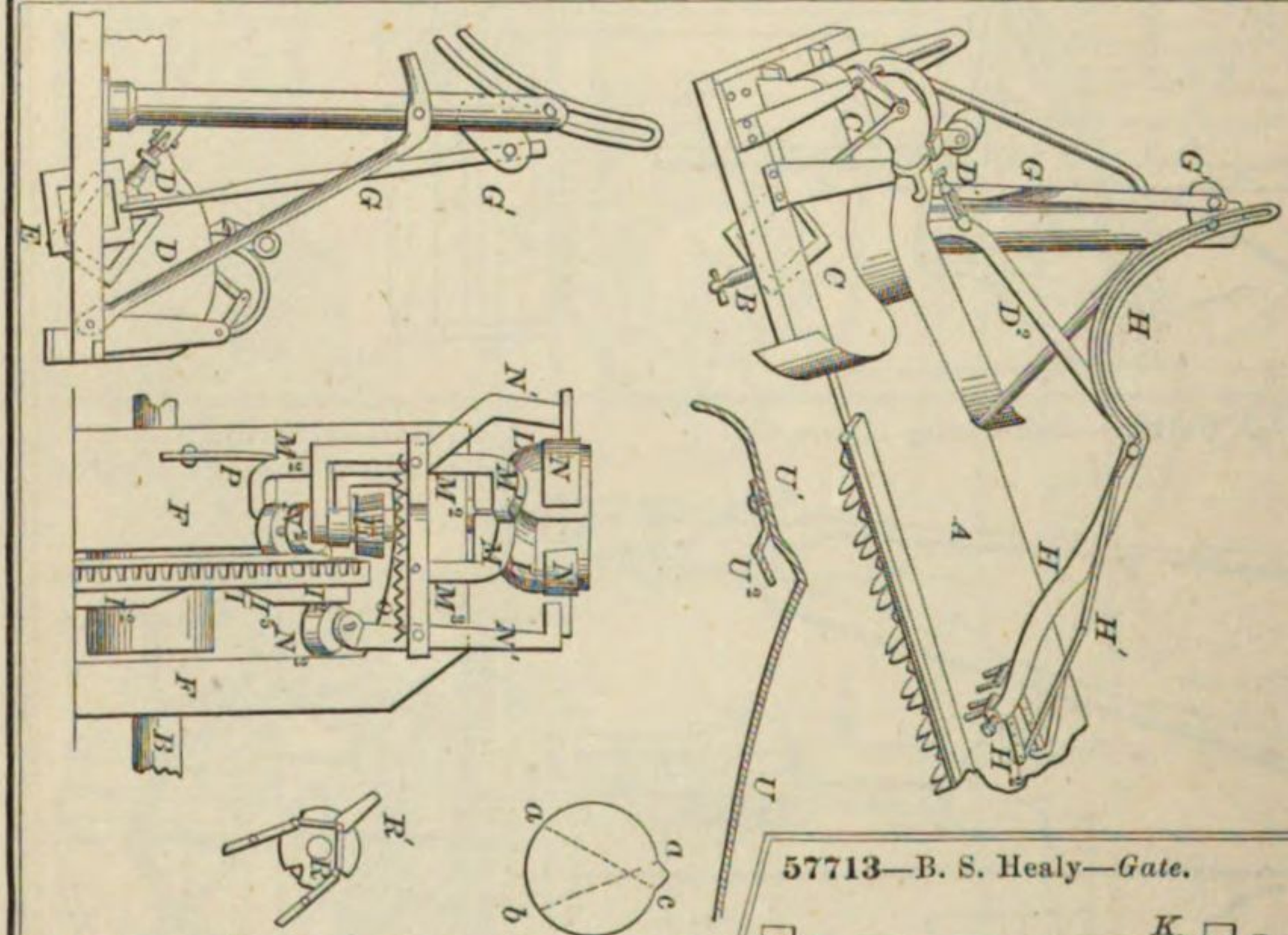
57712—P. W. Hart—*Power Loom.*



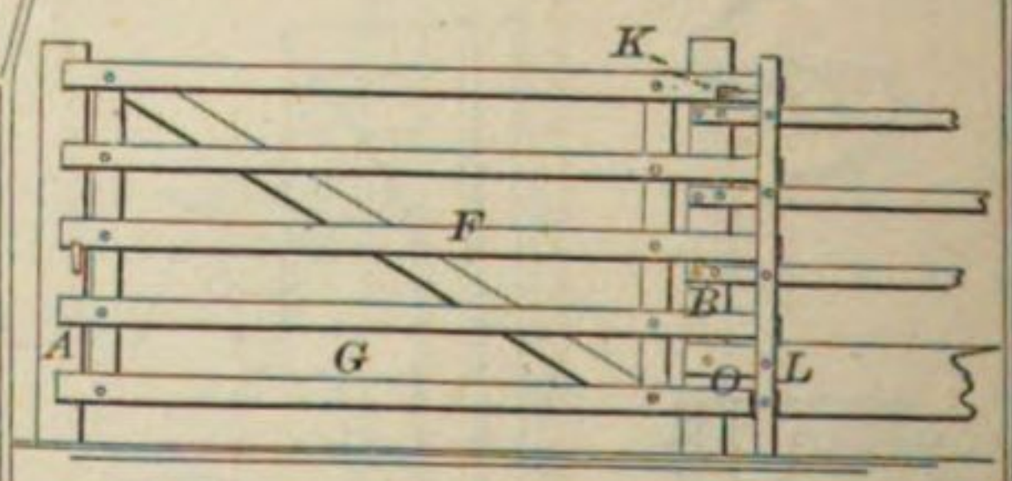
57715—A Hill—*Railway Crossing Guard.*

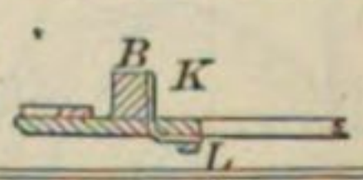


57714—Higley & Columbia—*Raking and Binding Attachment to Reapers.*



57713—B. S. Healy—*Gate.*





57716—S. Hinton—*Lathe for Turning Scythe Snaths.*

Fig. 1

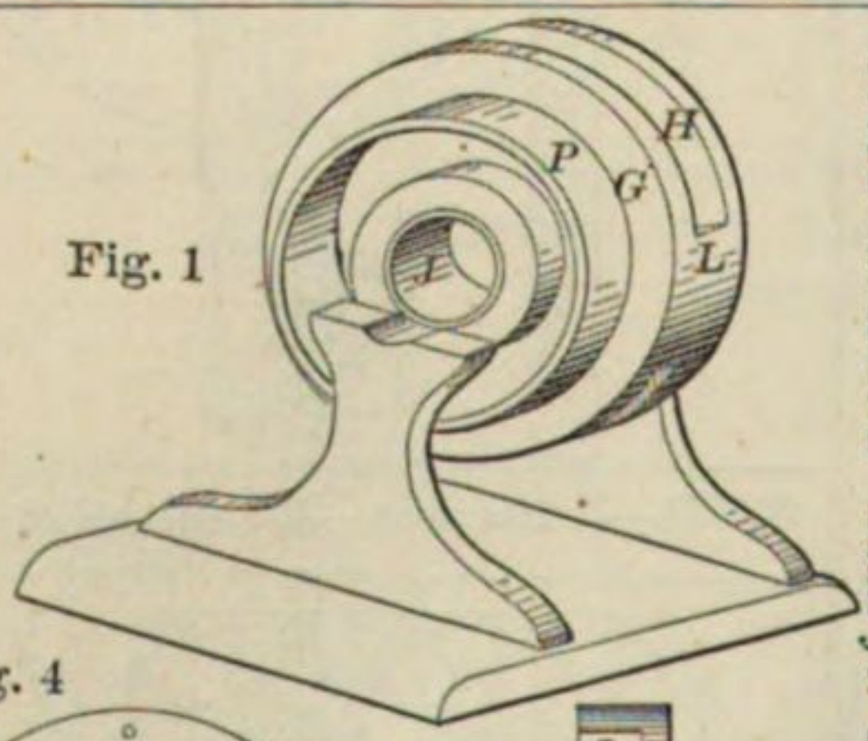


Fig. 4

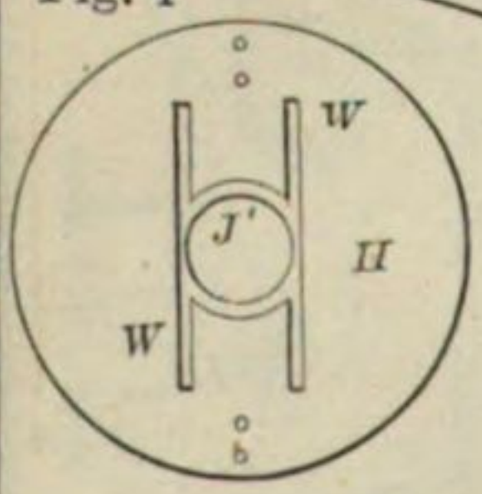
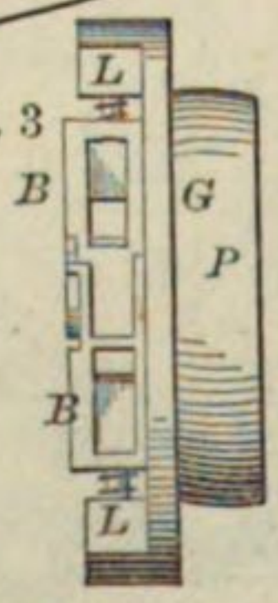
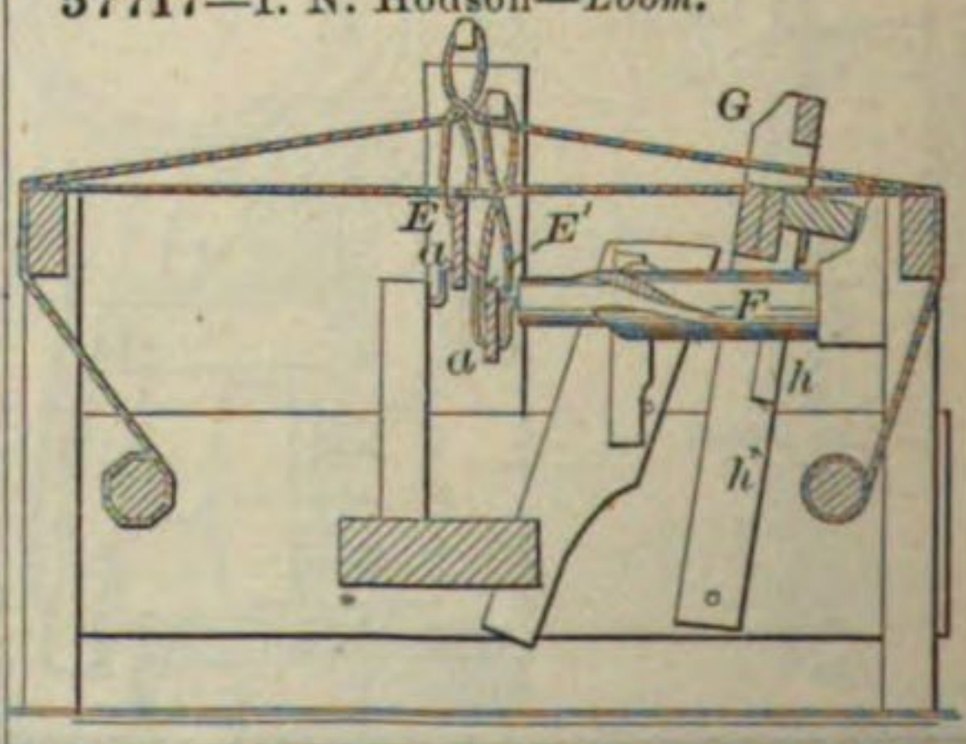


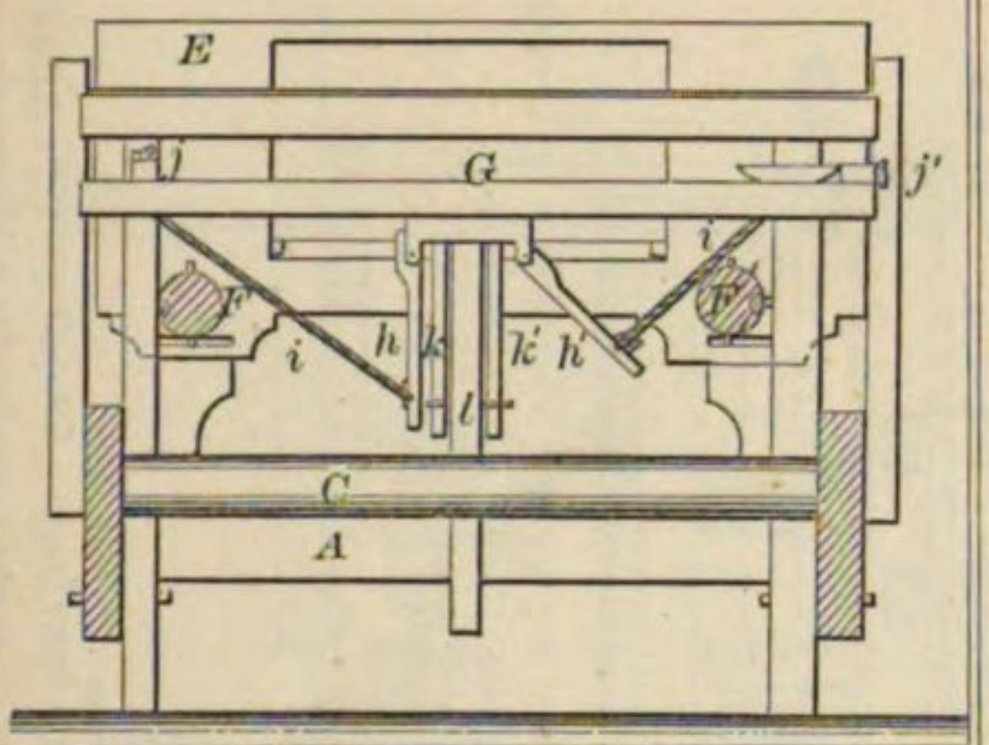
Fig. 3



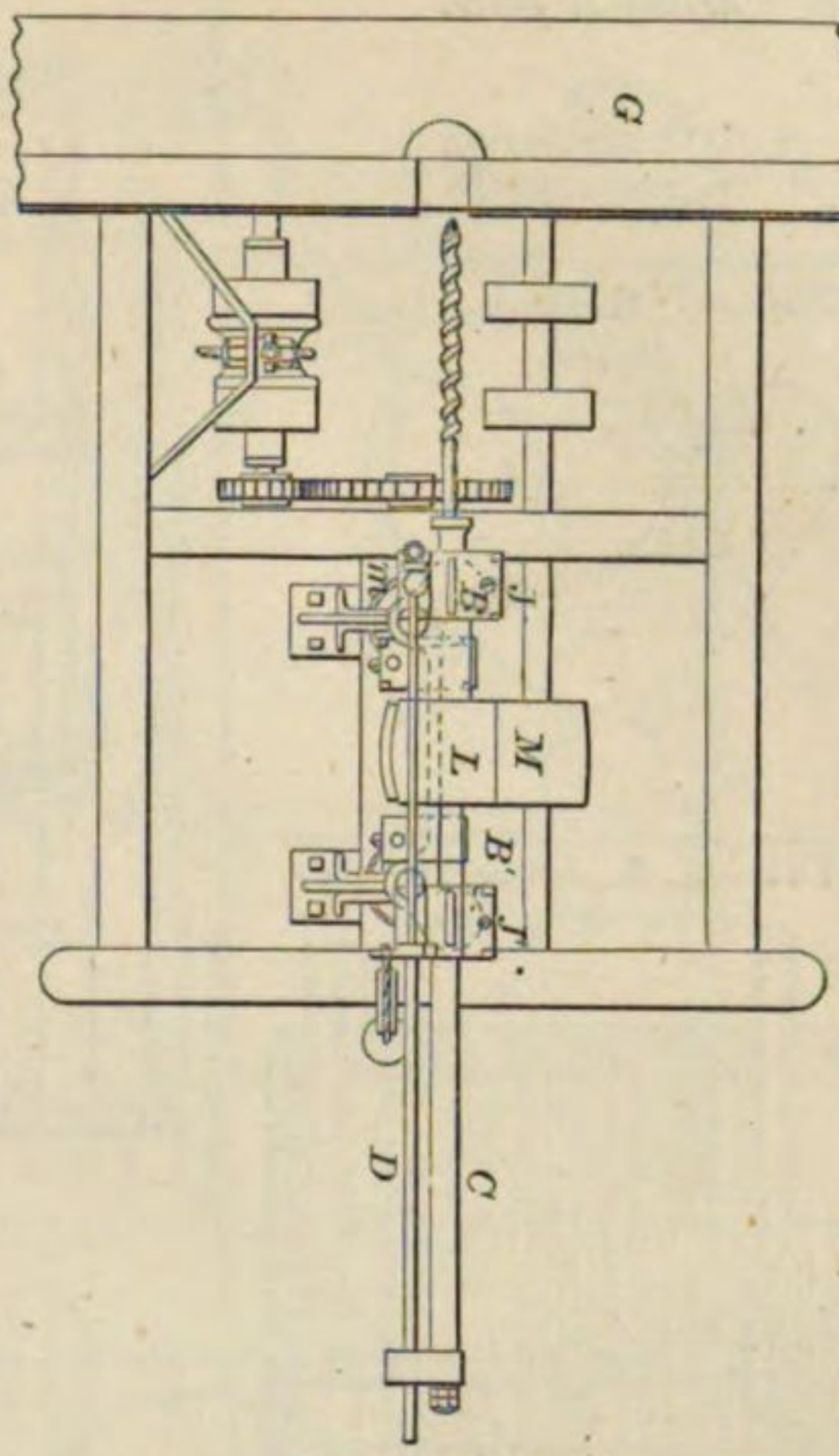
57717—I. N. Hodson—*Loom.*



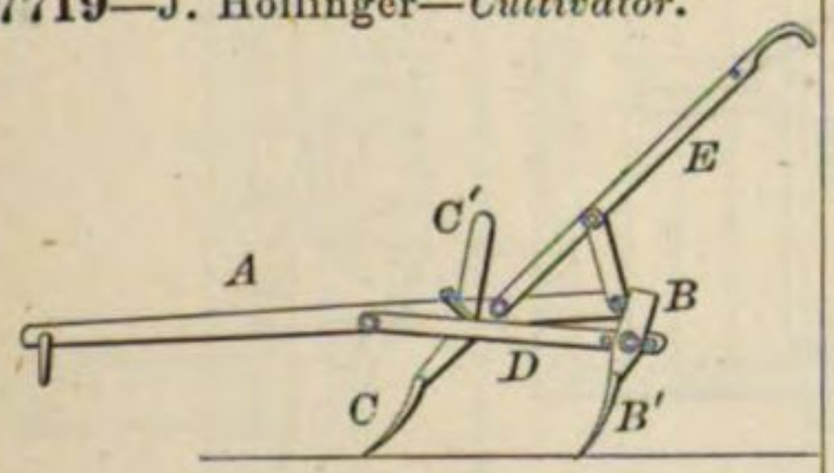
57717—*Continued.*

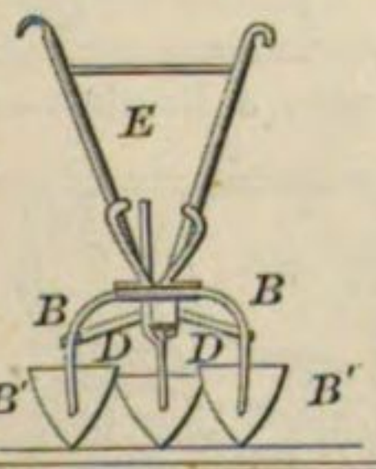


57718—D. Hoit—*Wood Boring Machine.*

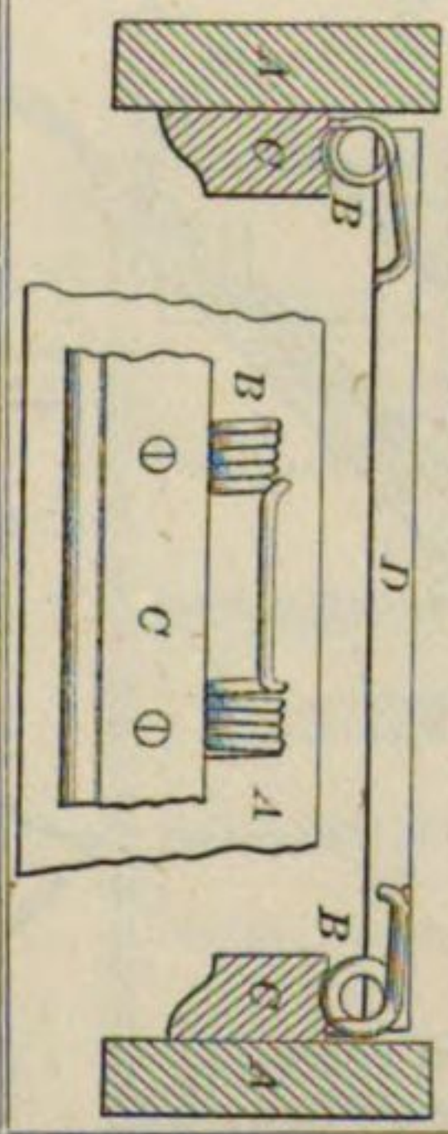


57719—J. Hollinger—*Cultivator.*

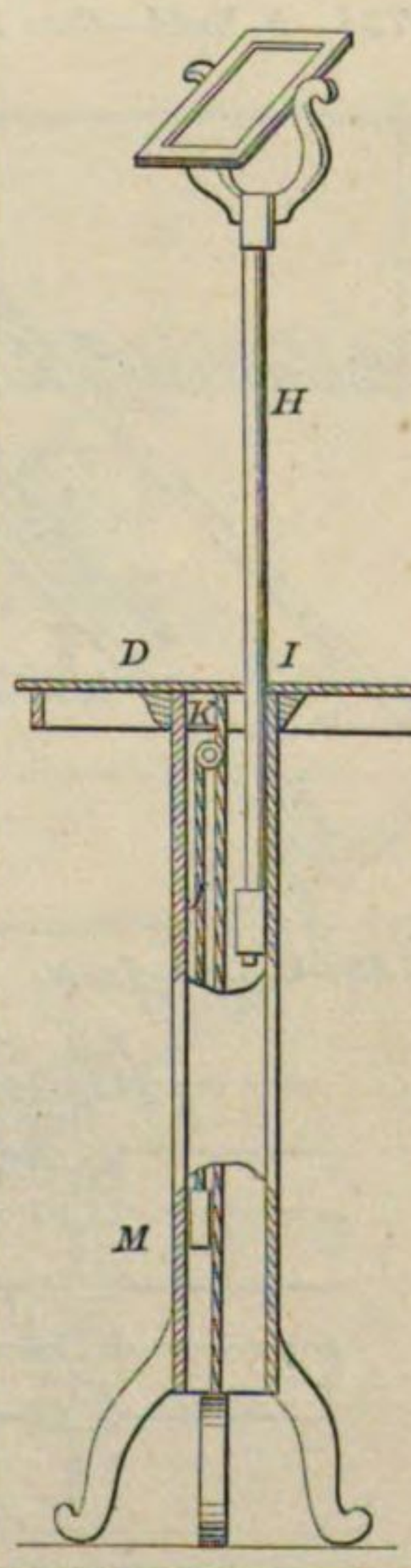




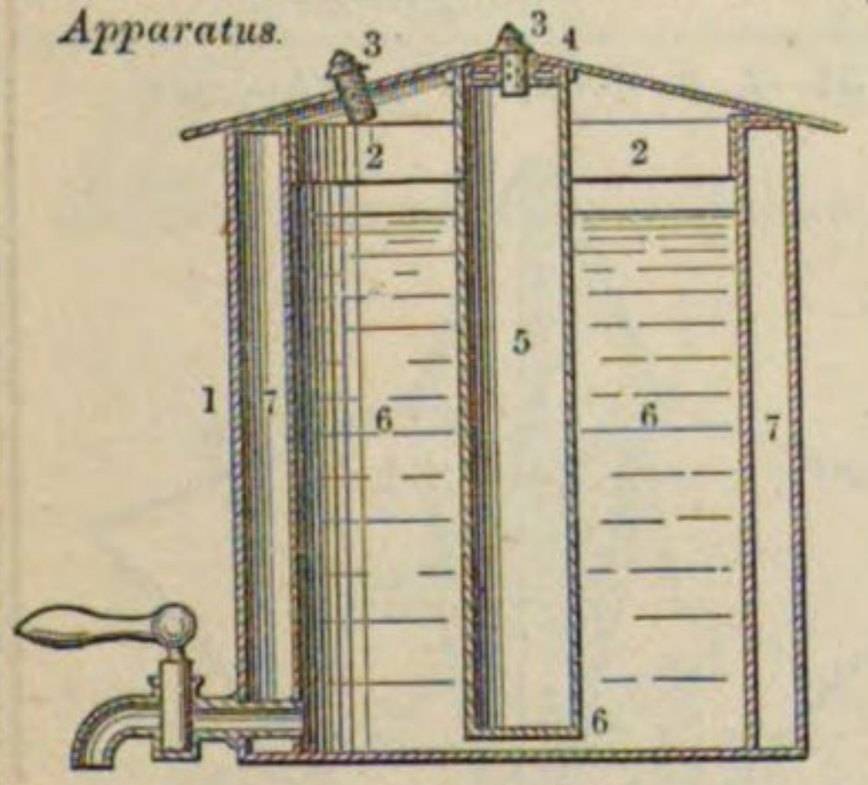
57720—Holloway & Hudelson—*Bed Bottom.*



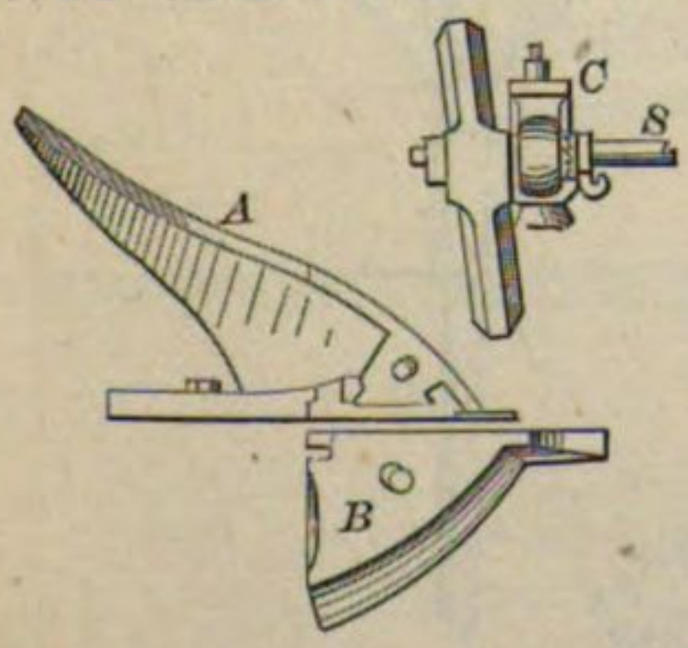
57723—Hughes & Lent—*Stand and Mirror.*



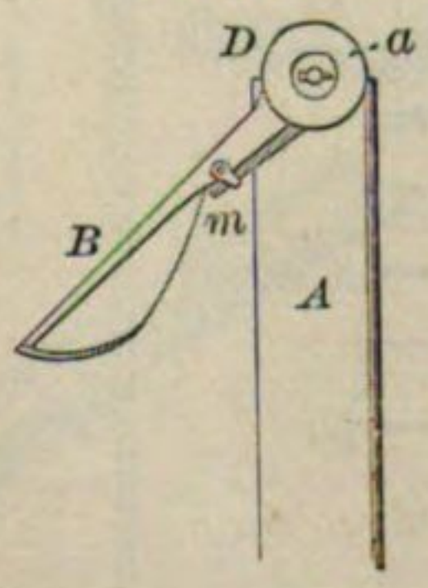
57721—N. P. Holmes—*Milk Preserving Apparatus.*



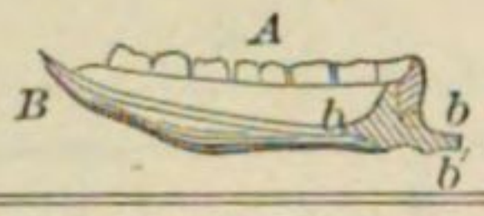
57724—H. A. Hummer—*Plow.*



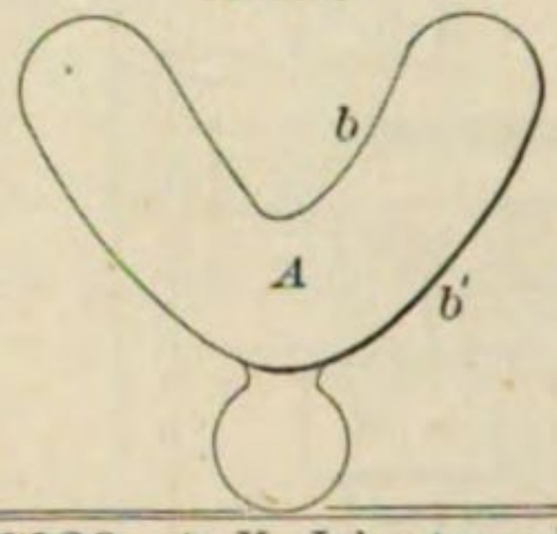
57722—T. L Hough—*Truss.*



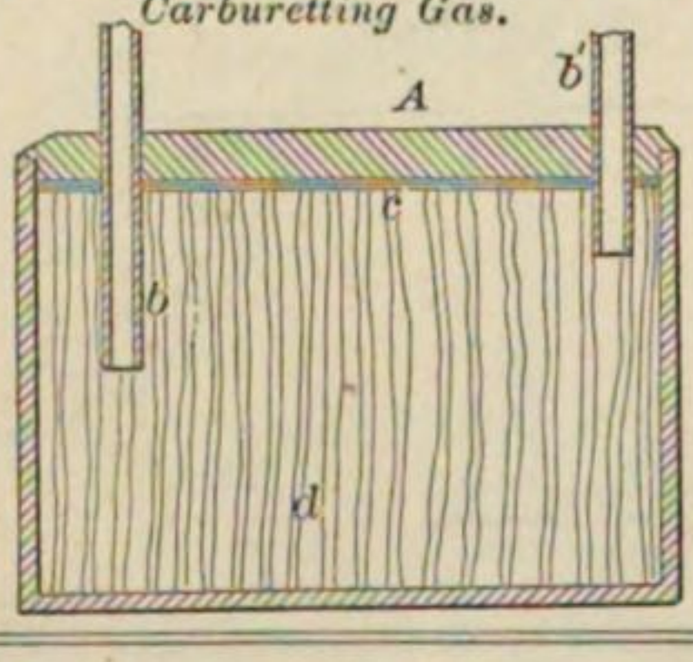
57725—G. H. Hurd—*Plate for Artificial Teeth.*



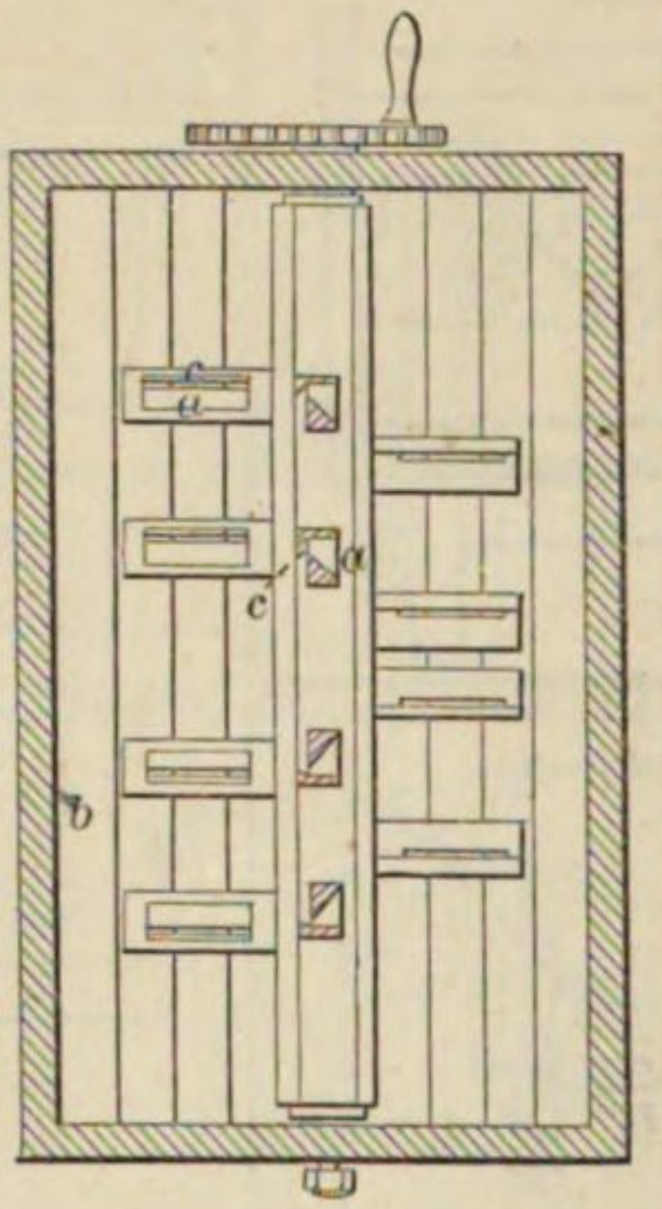
57726—G. H. Hurd—*Dental Mould.*



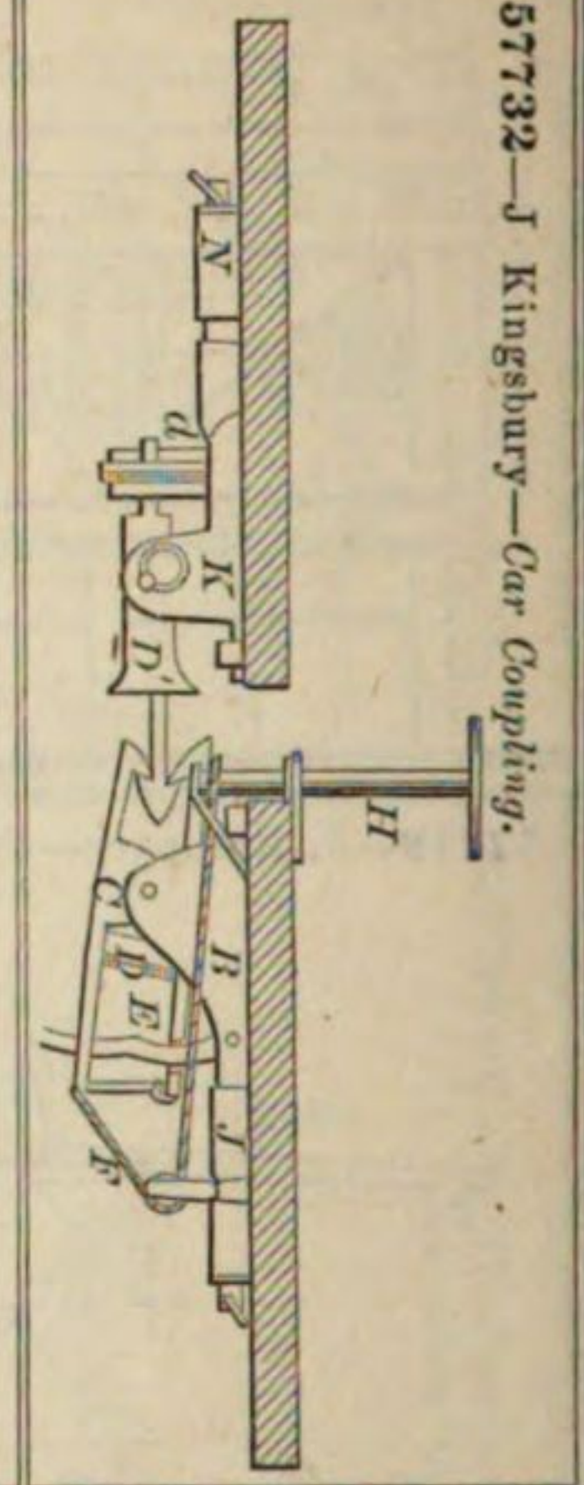
57729—A. K. Johnston—*For Carburetting Gas.*



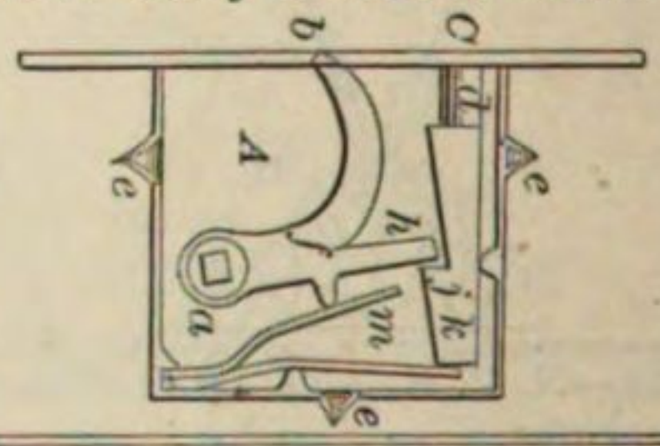
57730—J. D. Kellogg *Churn.*



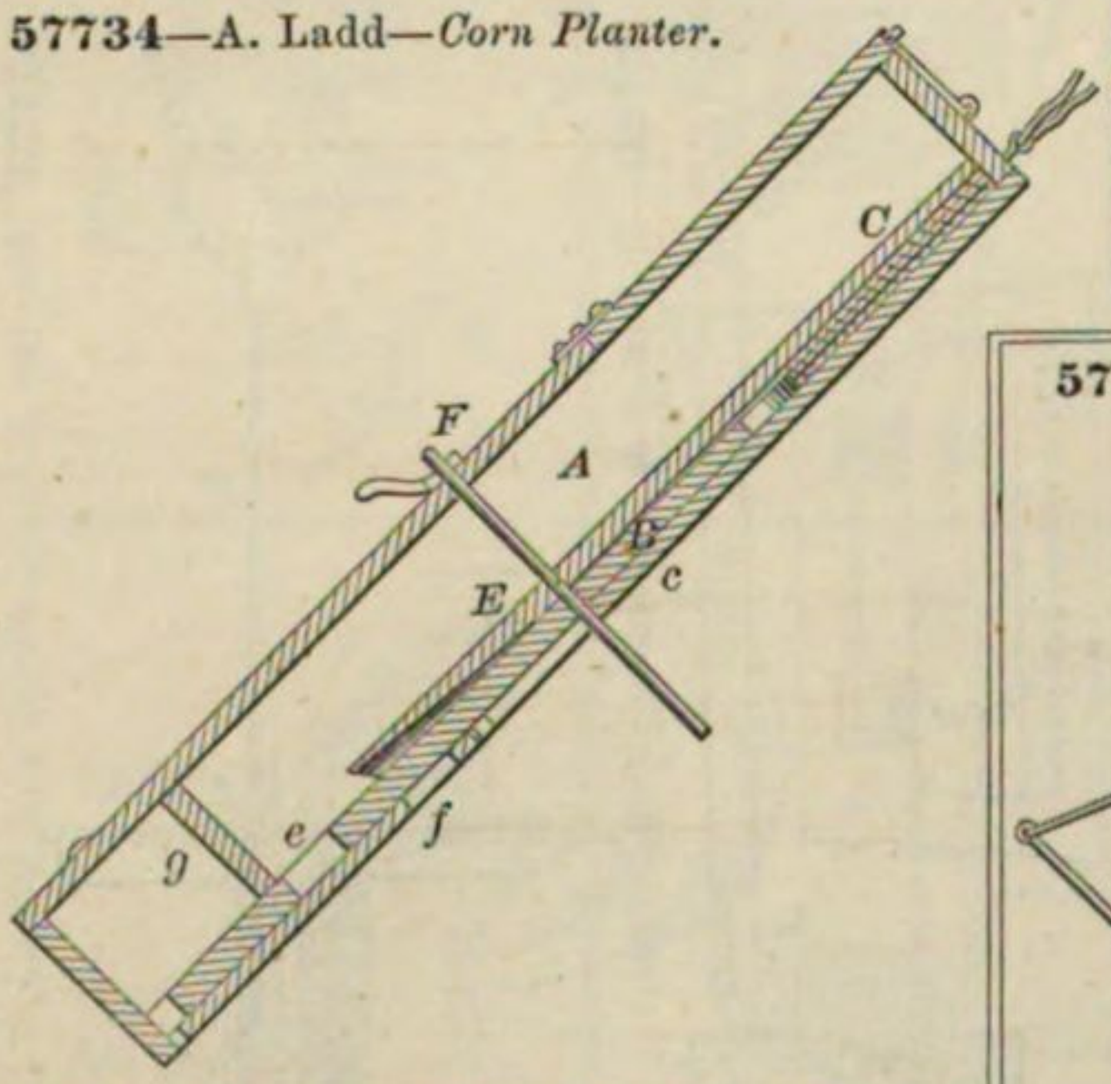
57732—J. Kingsbury—*Car Coupling.*



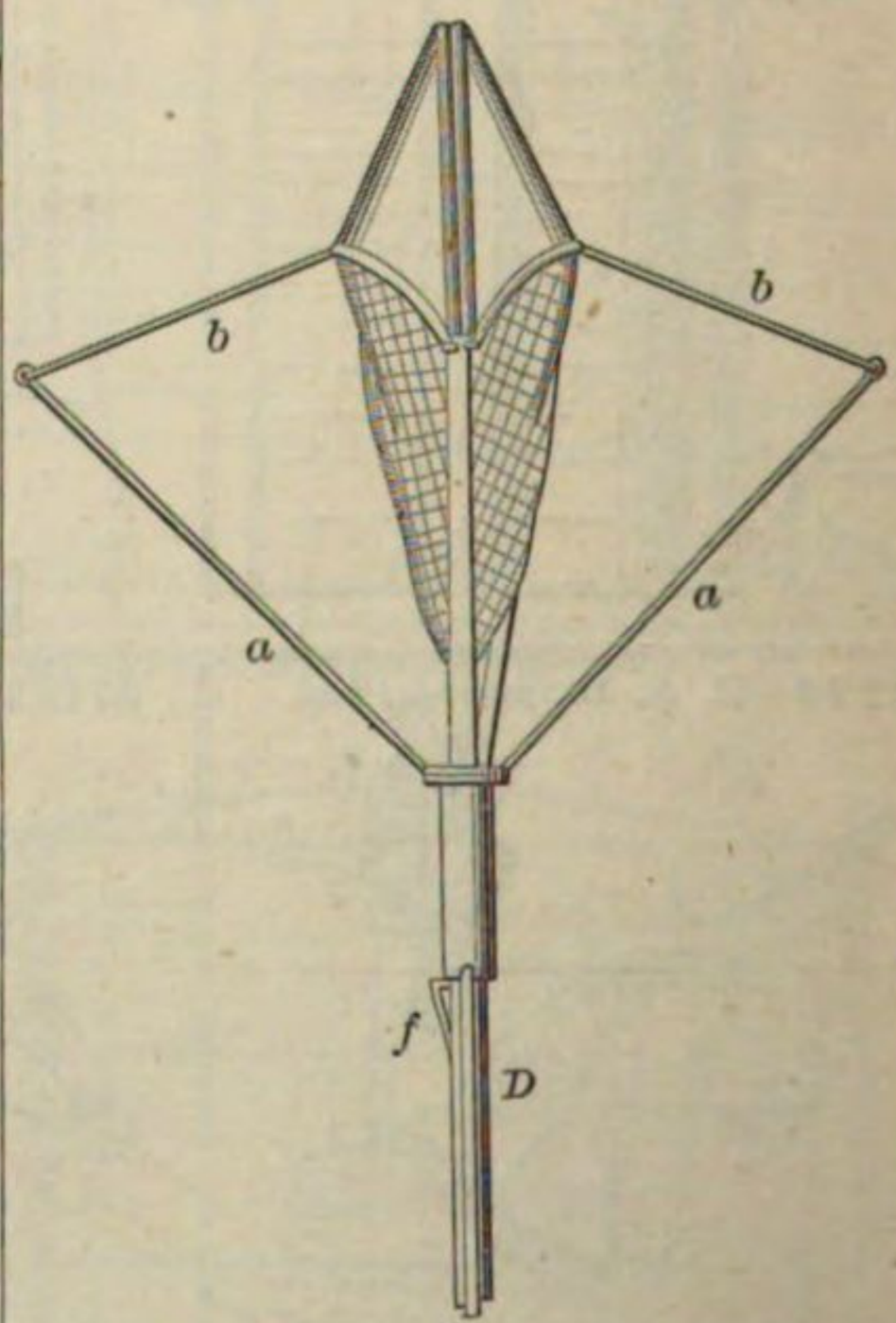
57733—Lacey & Bartlett—*Sash Lock.*



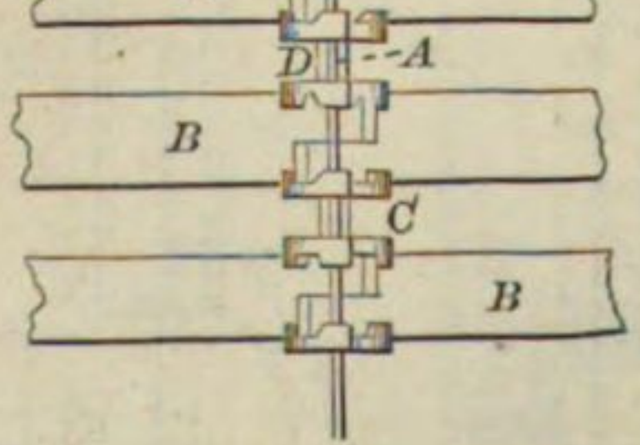
57734—A. Ladd—*Corn Planter.*



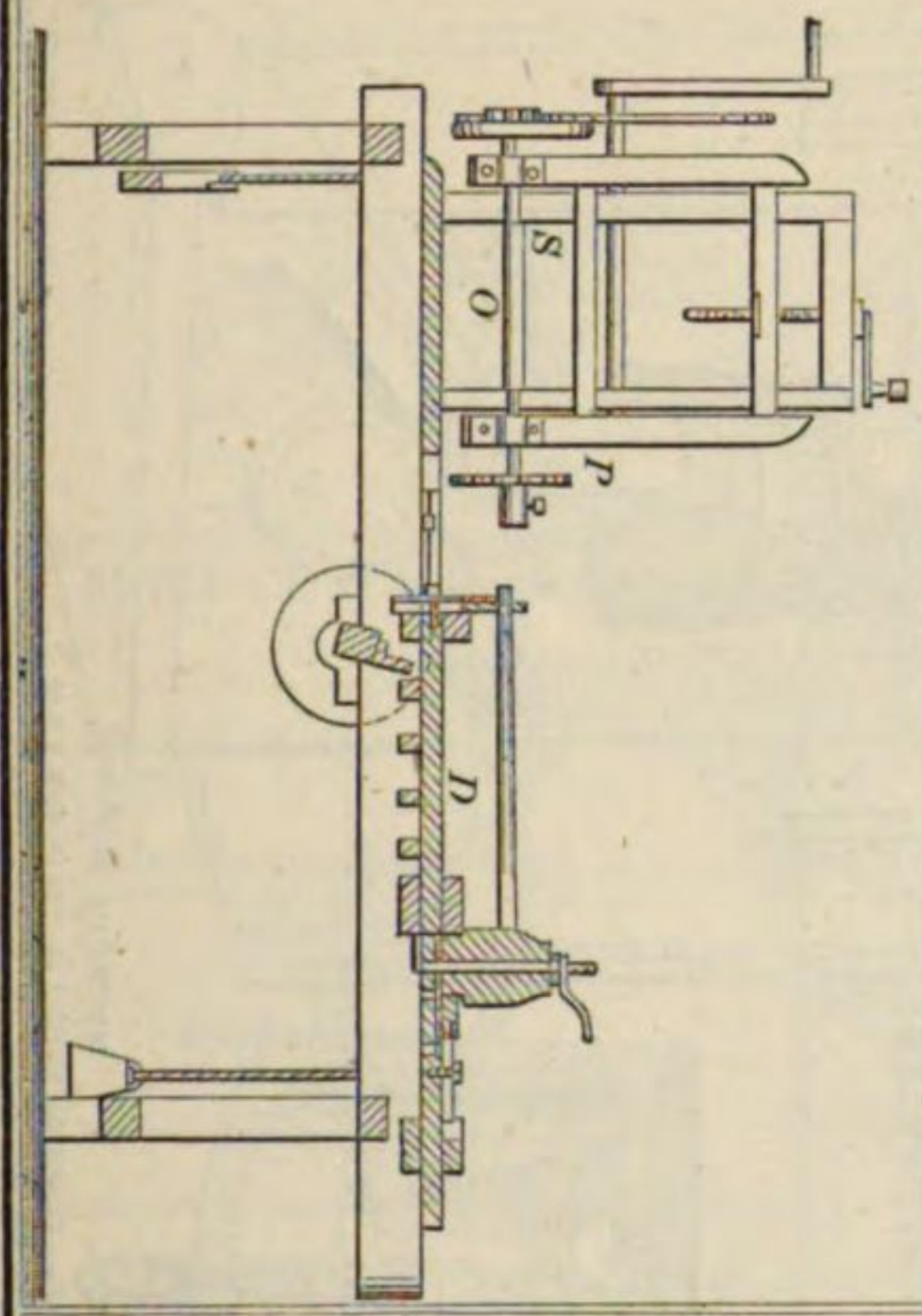
57731—Z. S. Kelsey—*Fruit Gatherer.*



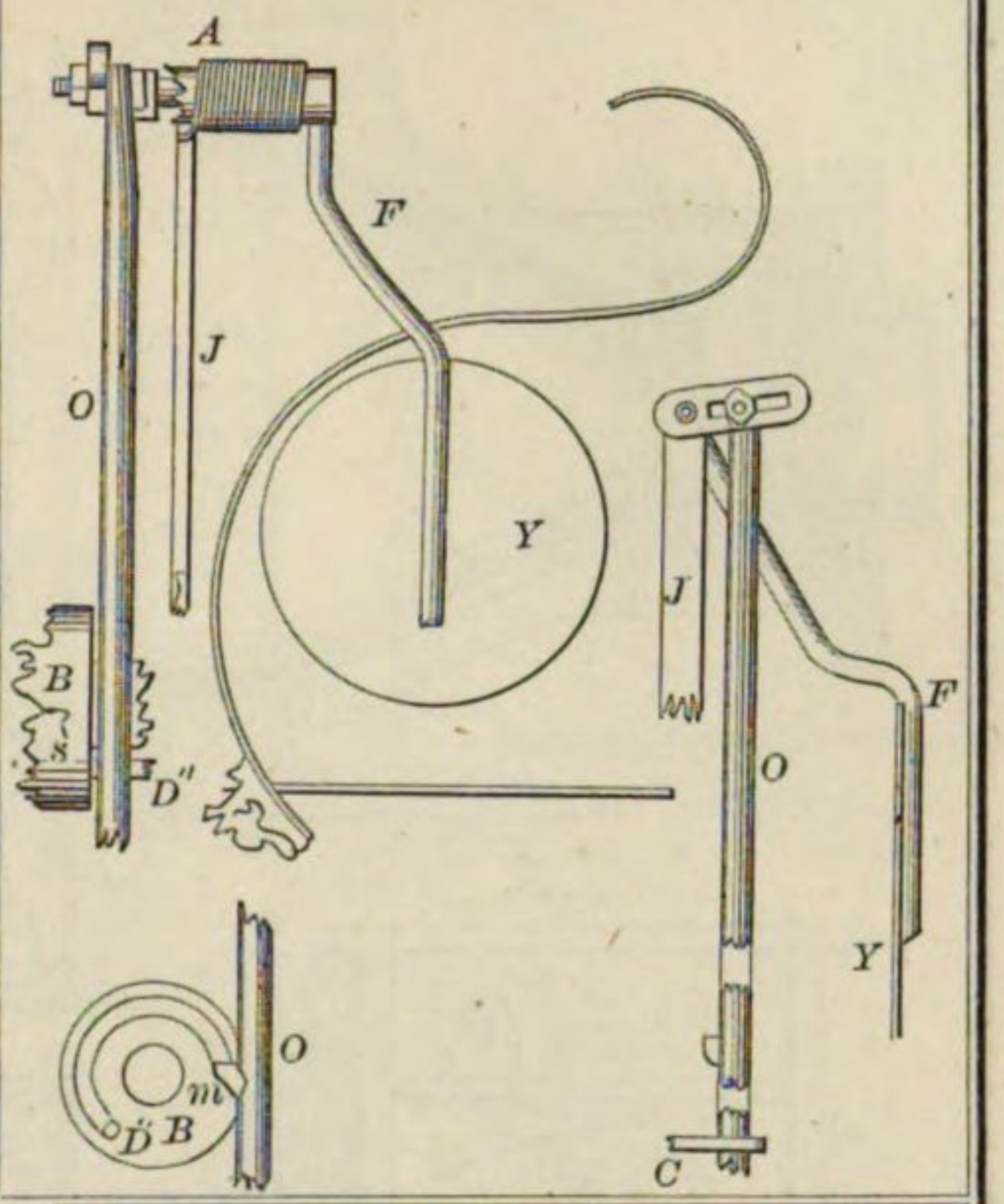
57735—C. Lee—*Fence.*



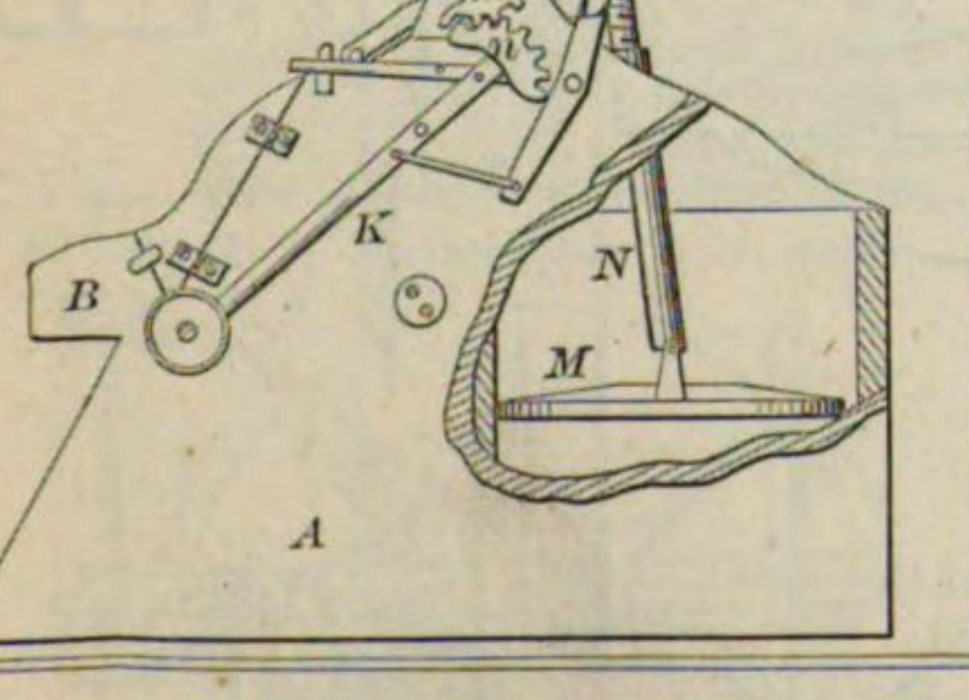
57736—J. Lefeber—*Spoke Tenoning Machine.*



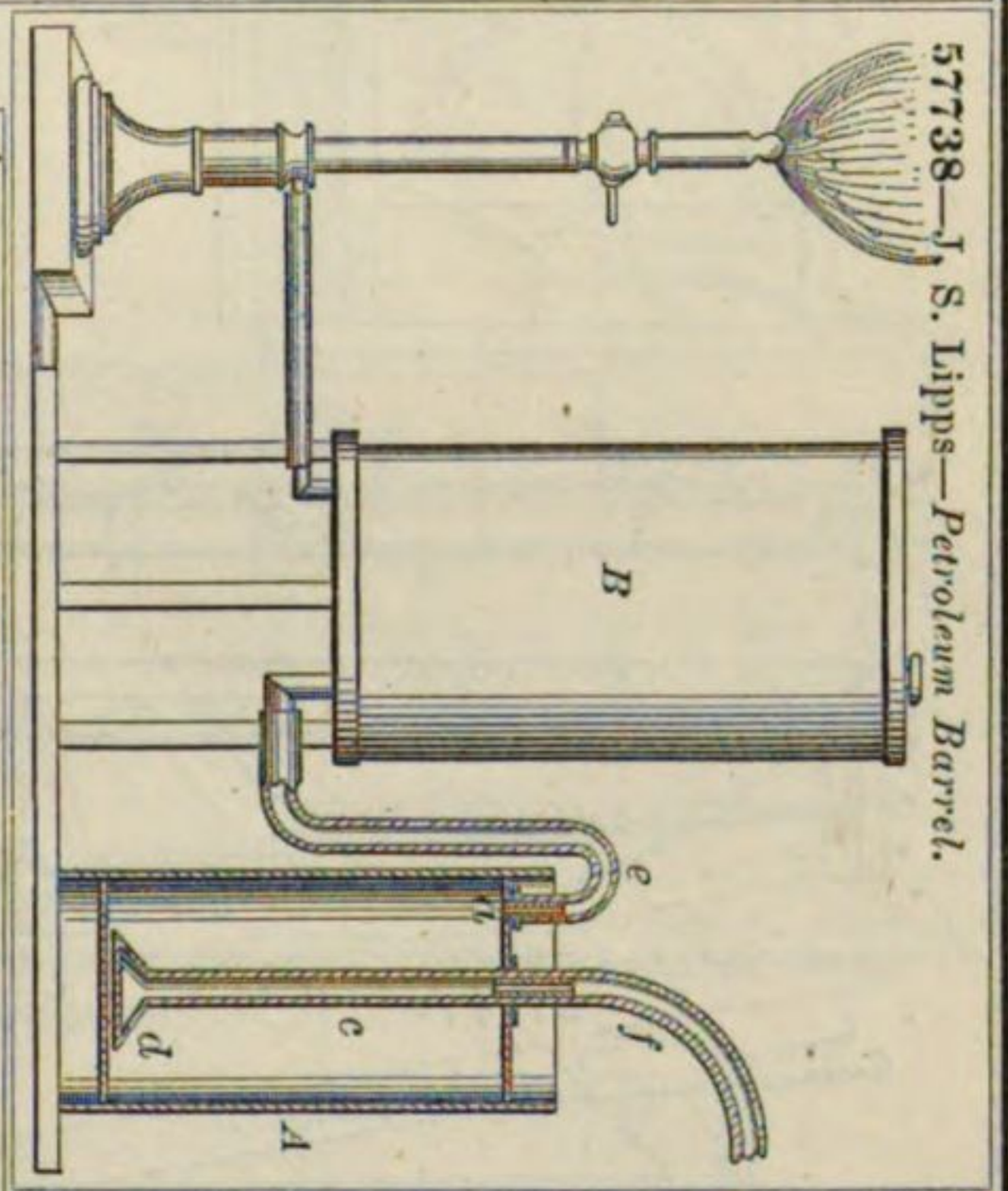
57739—S. D. Locke—*Grain Binder.*



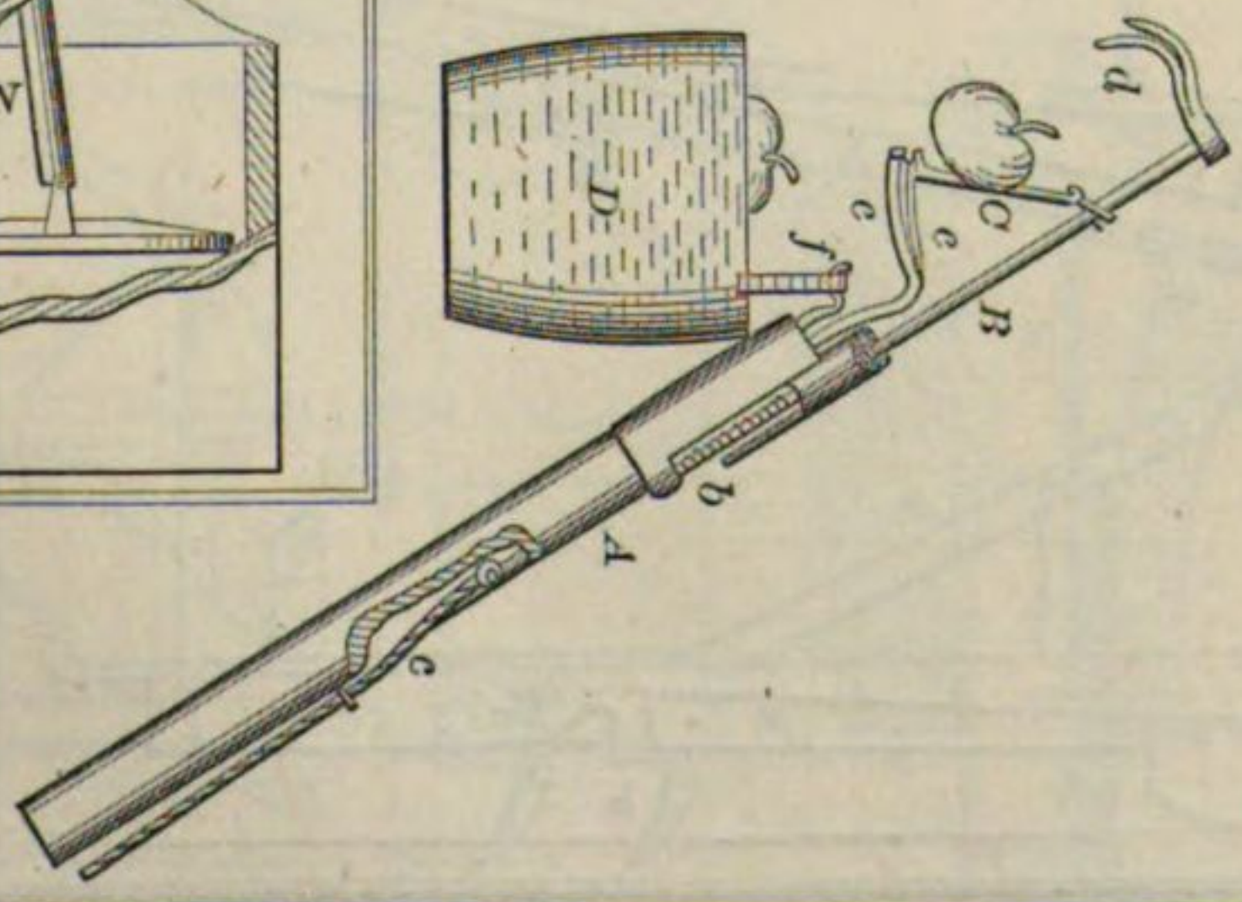
57740—M. J. Lourrentz—*Washing Machine.*



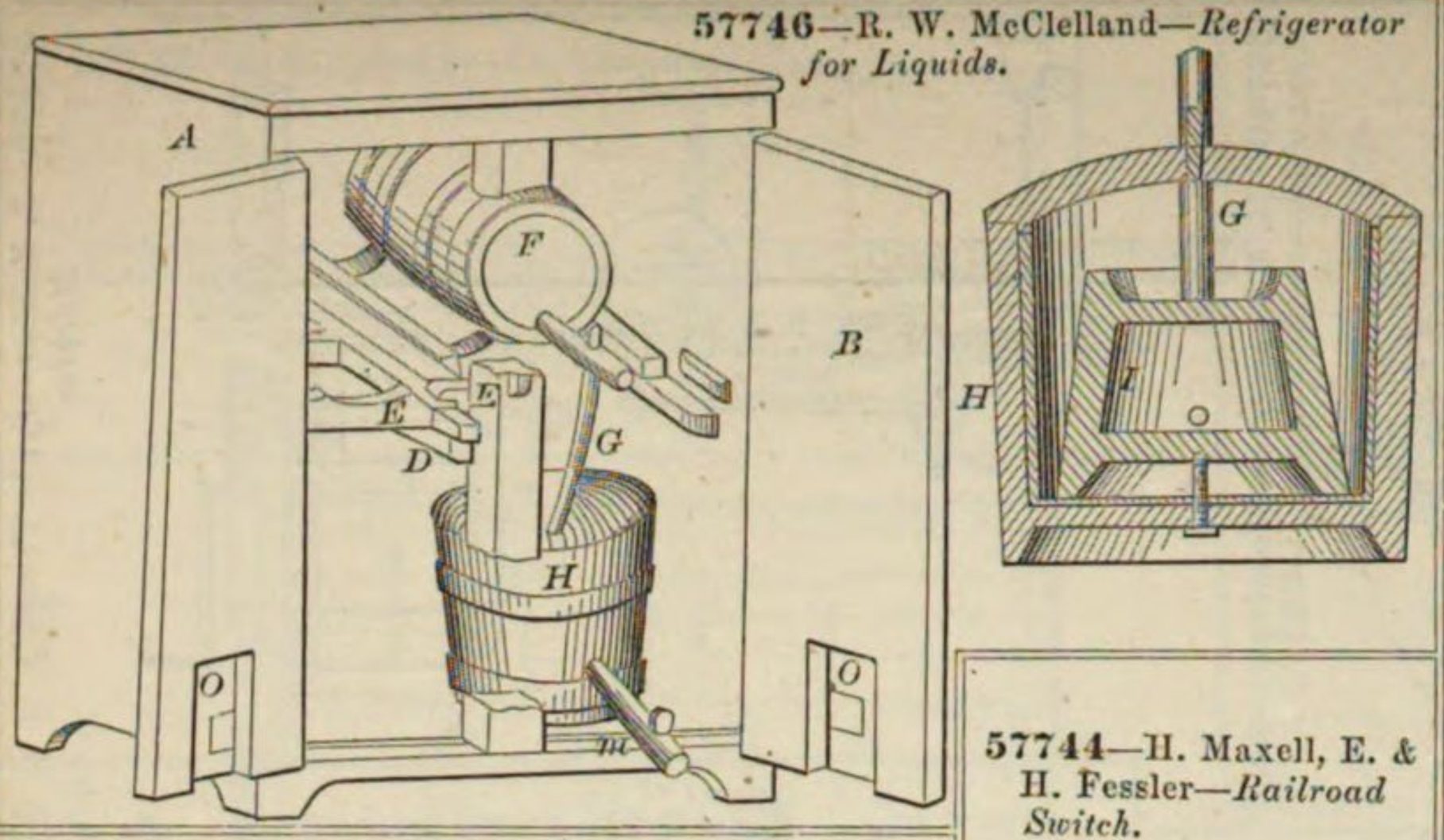
57738—J. S. Lipps—*Petroleum Barrel.*



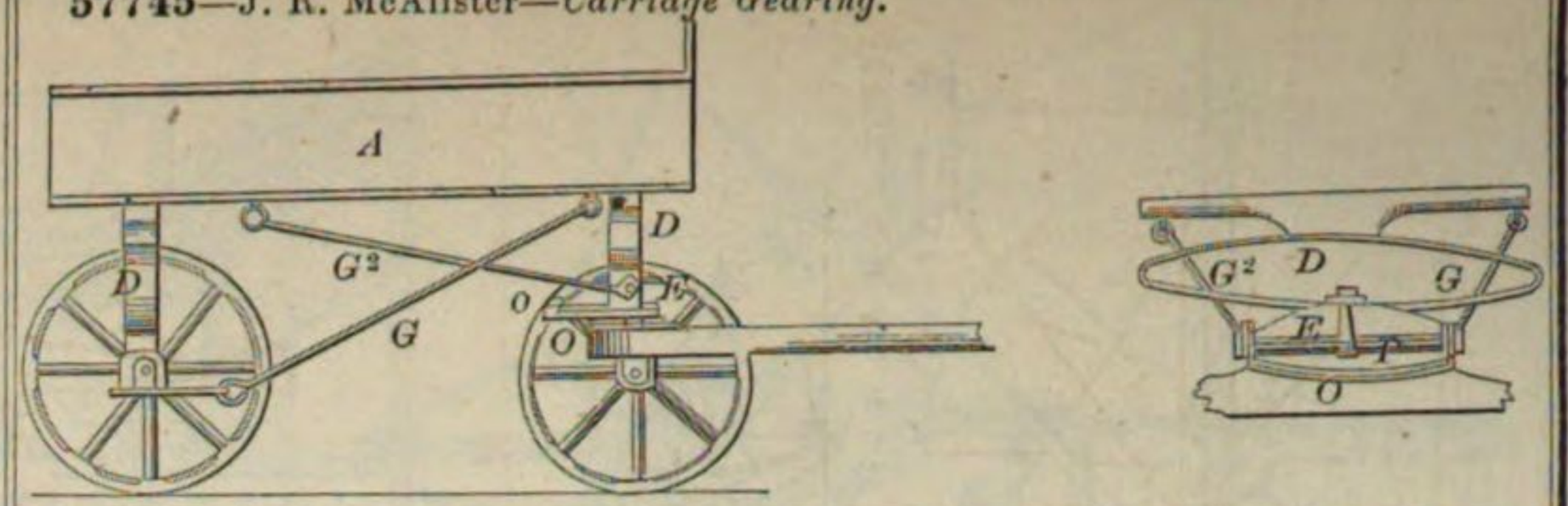
57741—C. M. & W. F. Lunt—*Fruit Picker.*



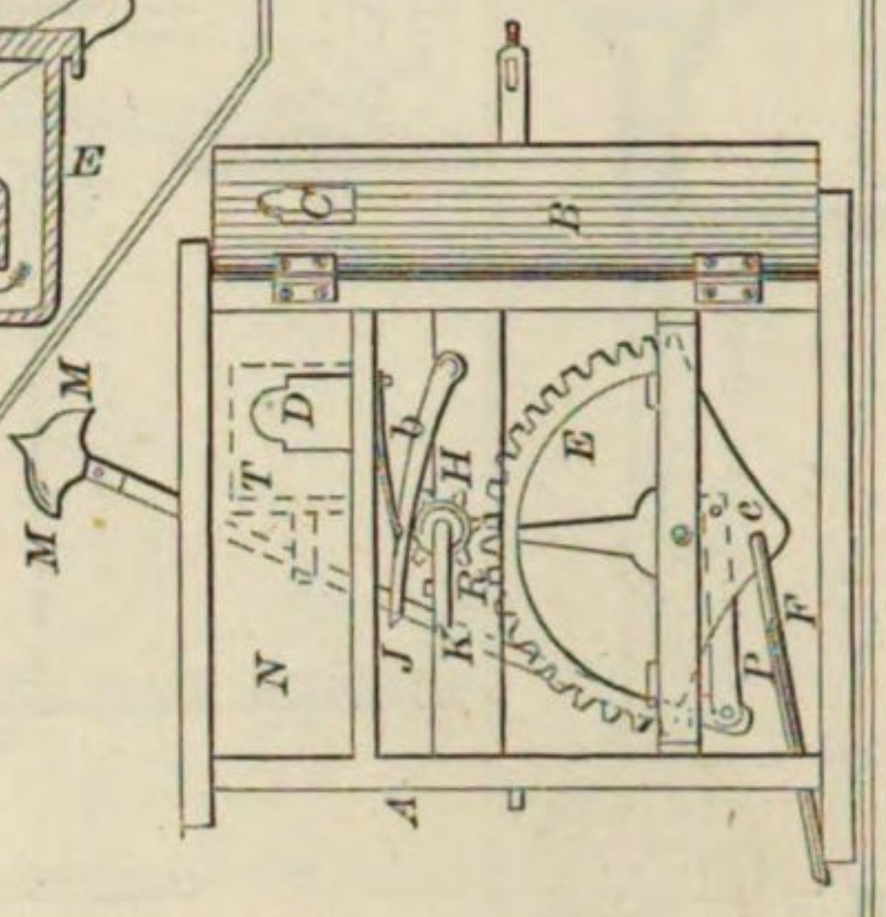
57746—R. W. McClelland—*Refrigerator for Liquids.*



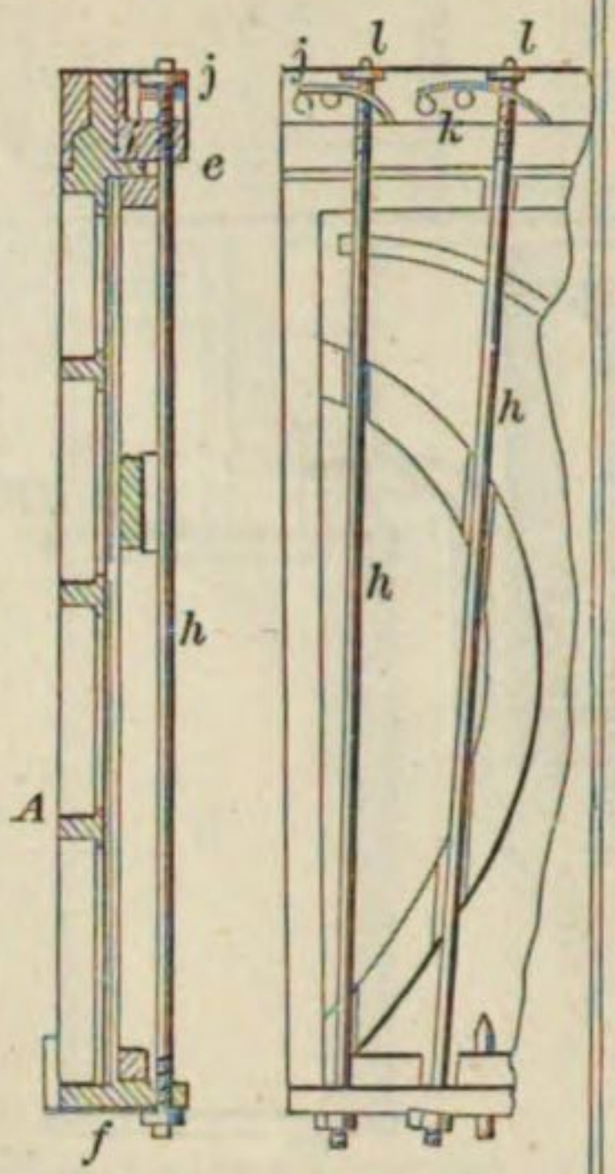
57745—J. R. McAlister—*Carriage Gearing.*



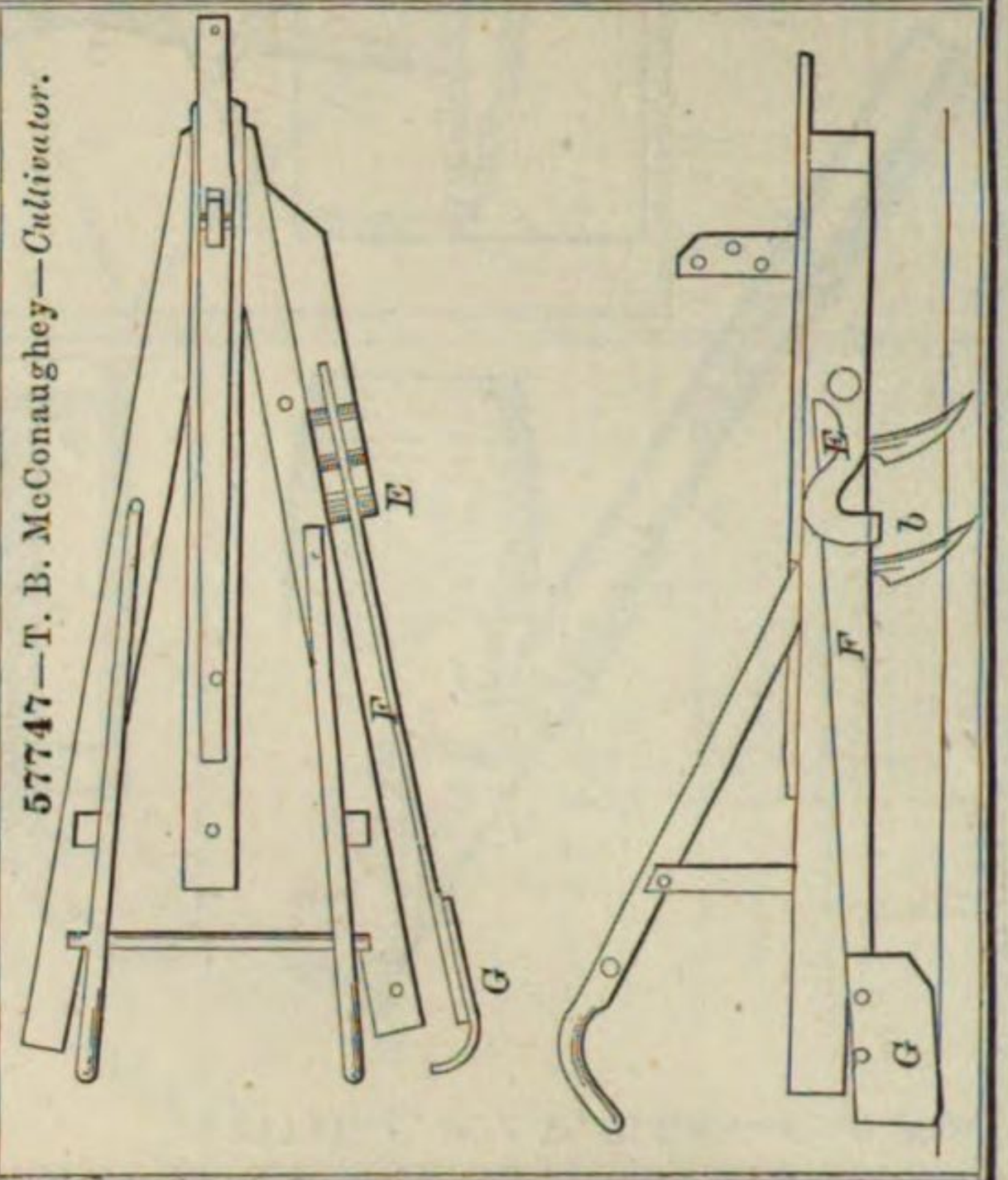
57744—H. Maxell, E. & H. Fessler—*Railroad Switch.*



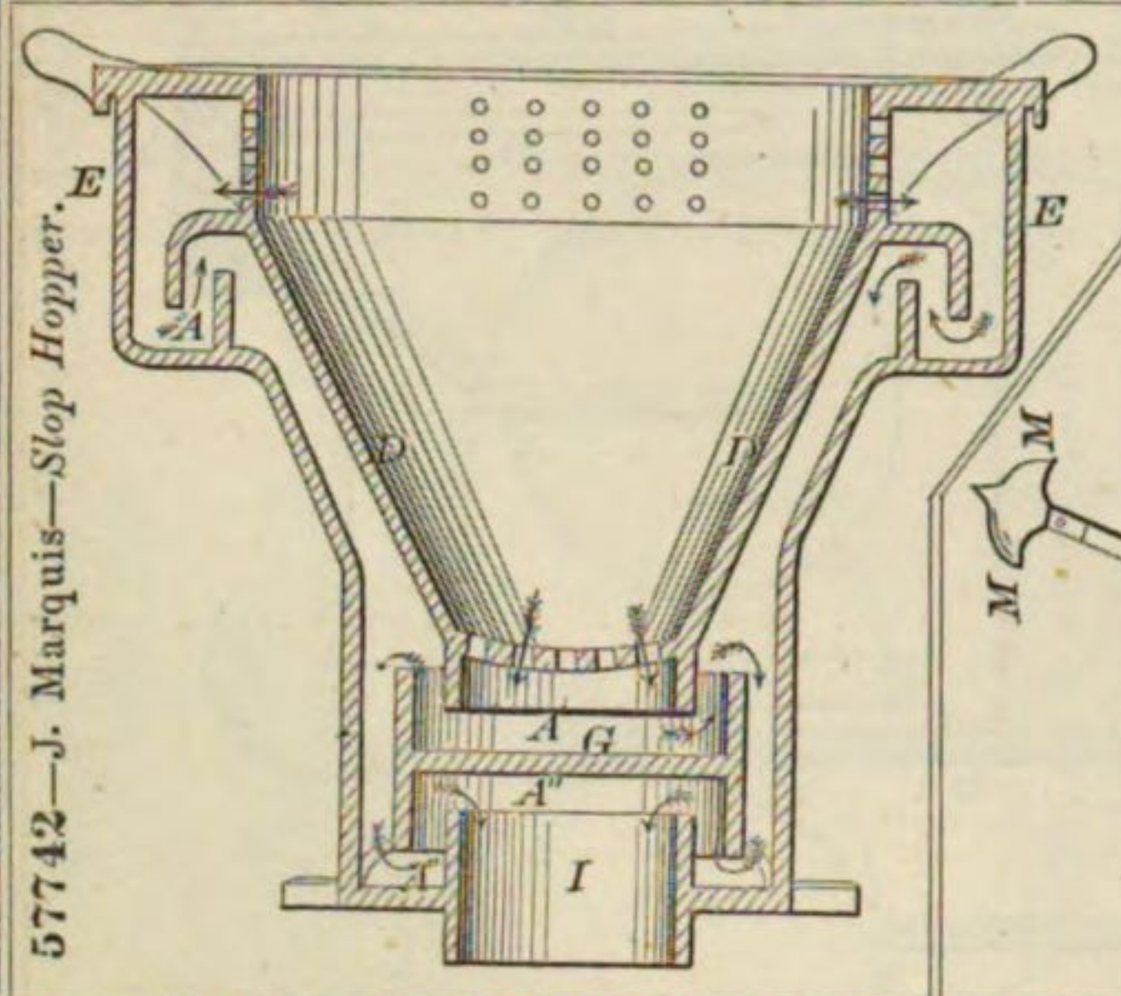
57743—M. Martins—*Metal Frame for Pianos.*



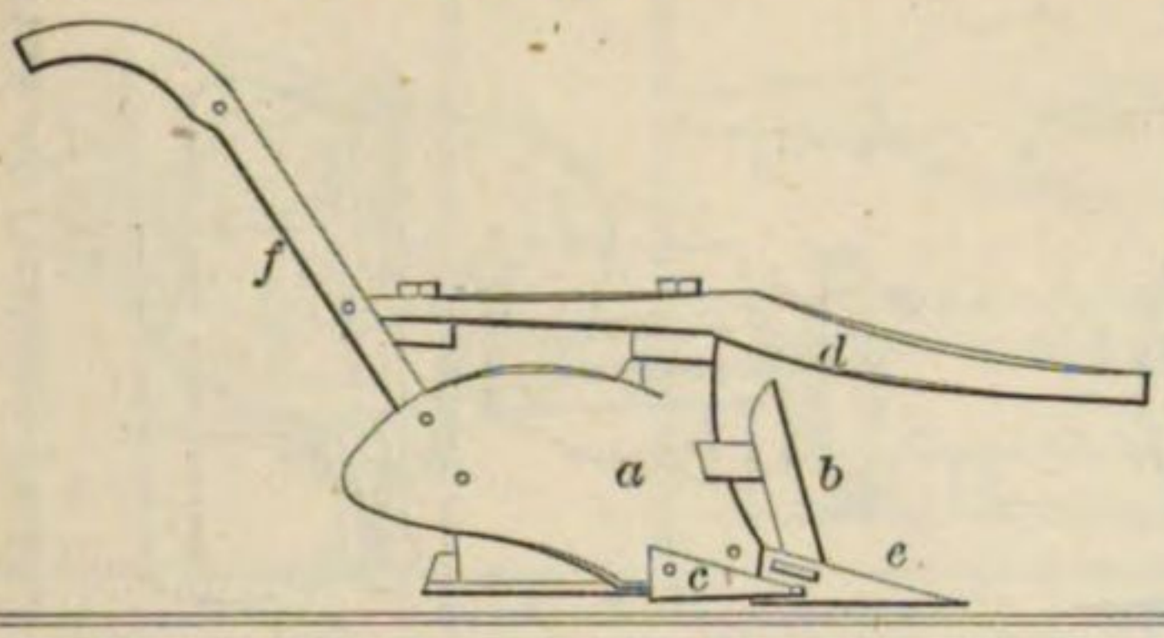
57747—T. B. McConaughey—*Cultivator.*



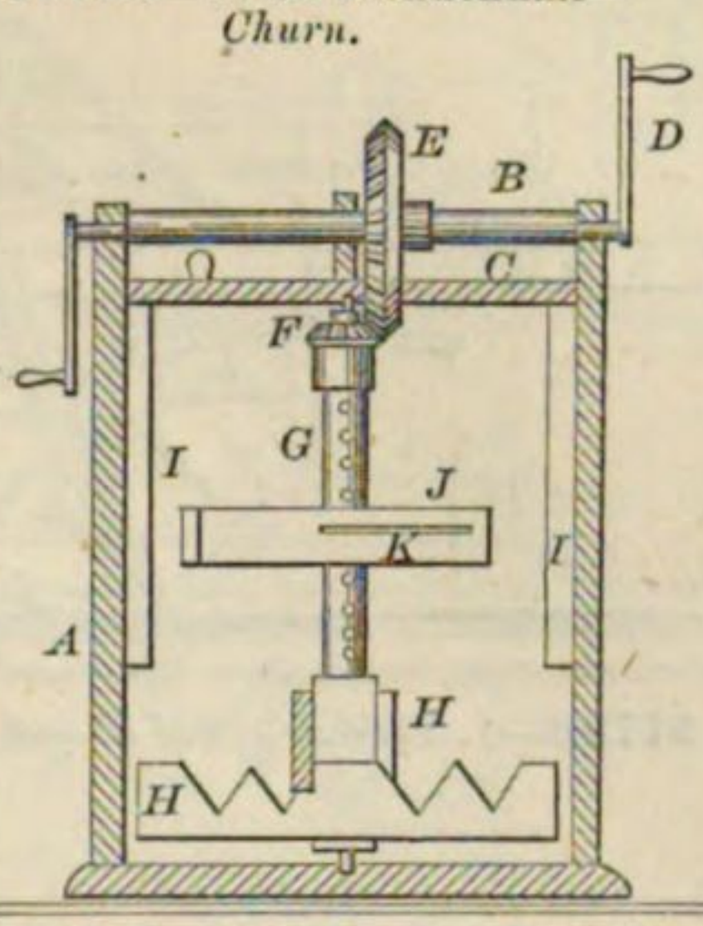
57742—J. Marquis—*Slop Hopper.*



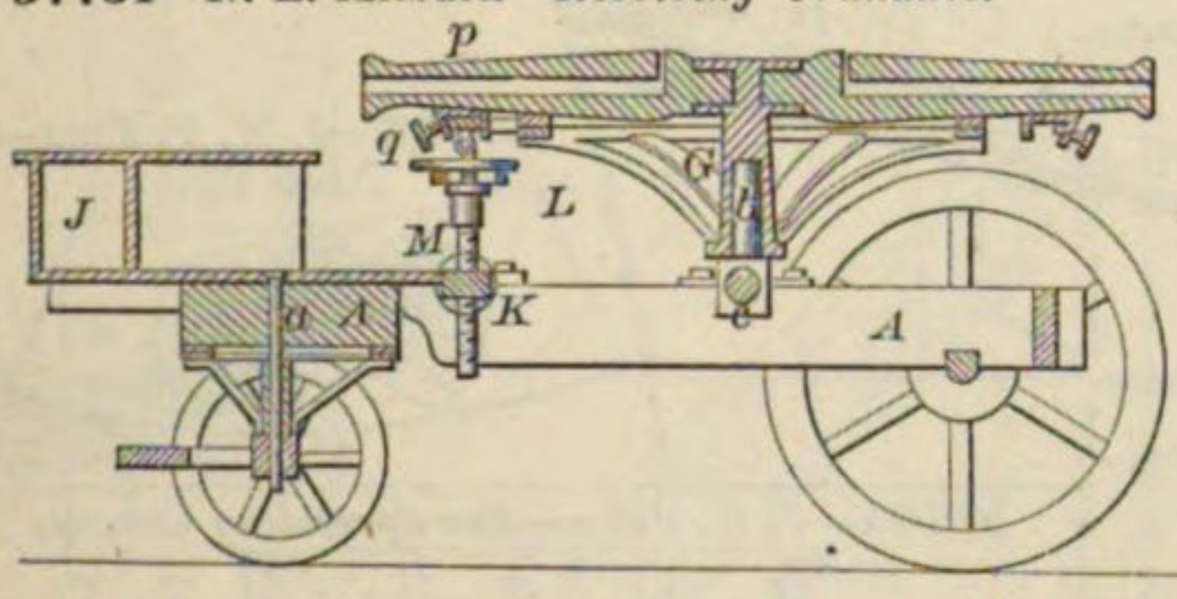
57748—J. McKinley—*Plow.*



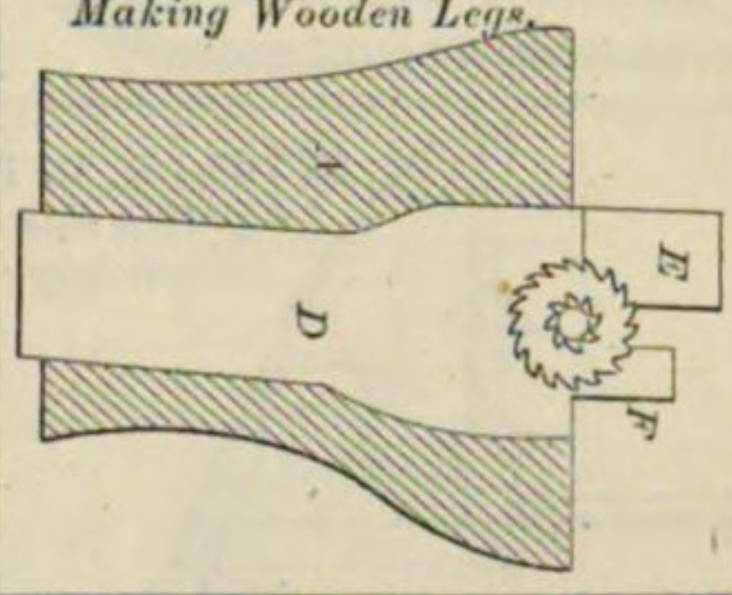
57750—J. H. Mendenhall—*Churn.*



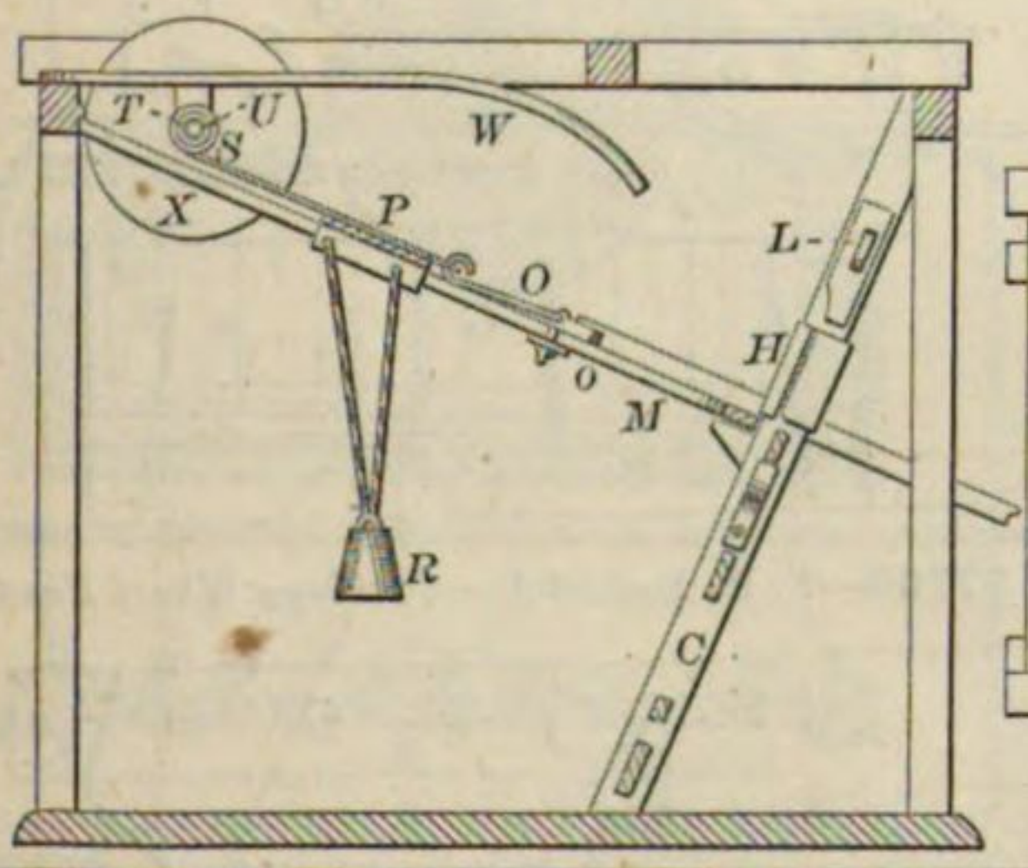
57751—N. L. Milburn—*Revolving Ordnance.*

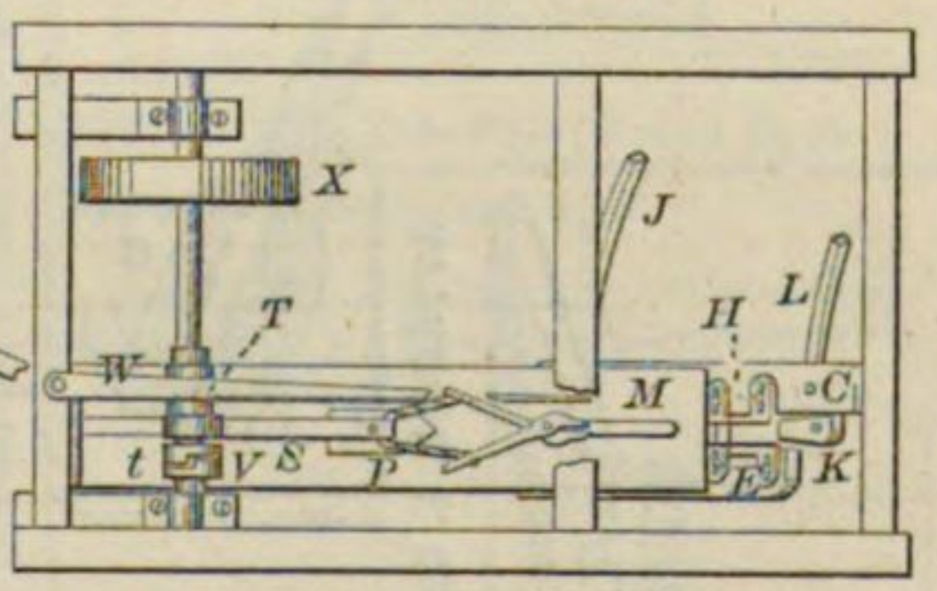


57755—E. Osborne—*Tool for Making Wooden Legs.*

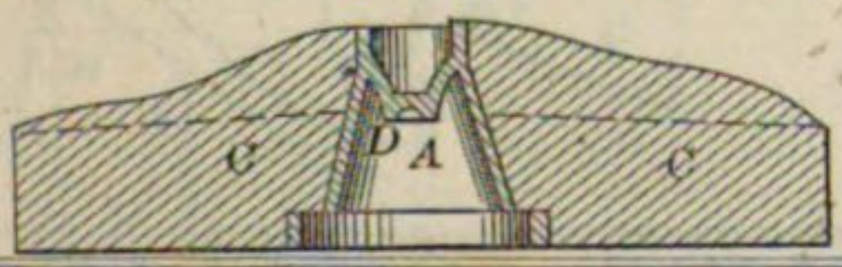


57753—J. G. Morgan—*Hoop Shaving Machine.*

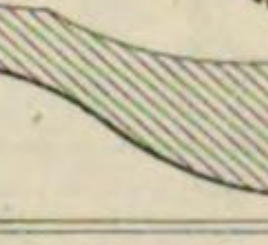




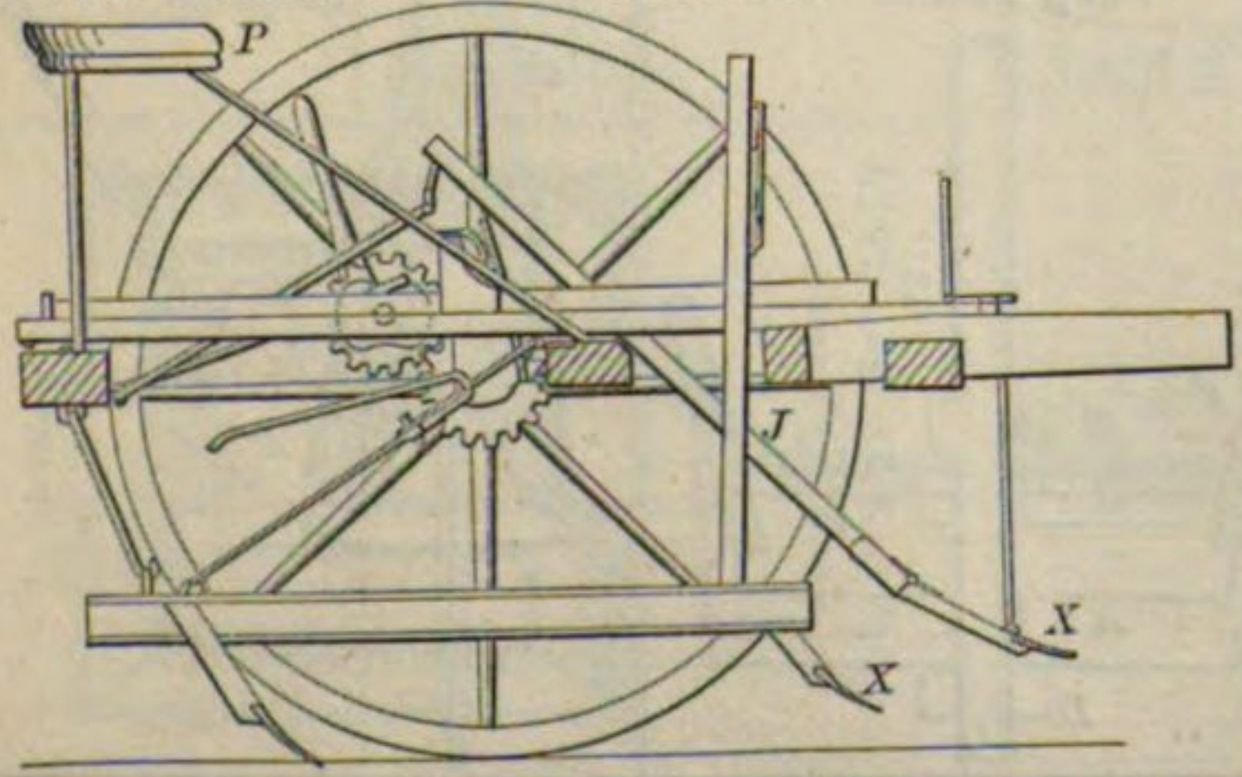
57754—E. & A. H. Nordyke—*Grinding Mill.*



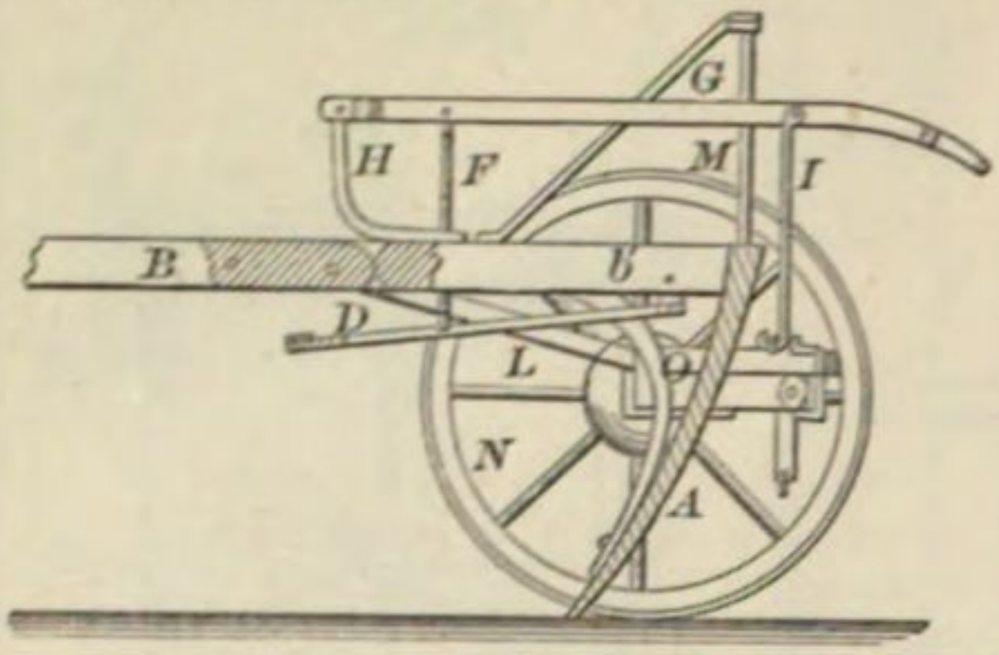
57756—E. Osborne—*Tool for Making Wooden Legs.*

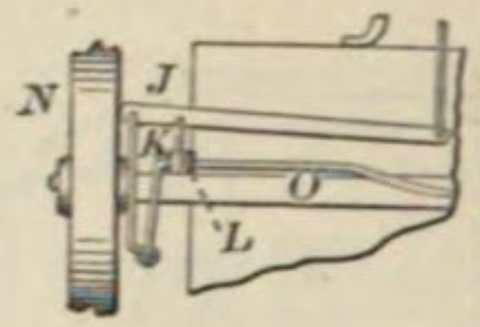


57752—L. B. Moore—*Corn Cultivator.*

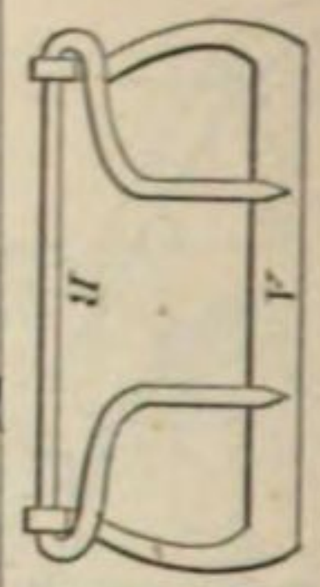


57757—N. Peck—*Earth Scraper.*

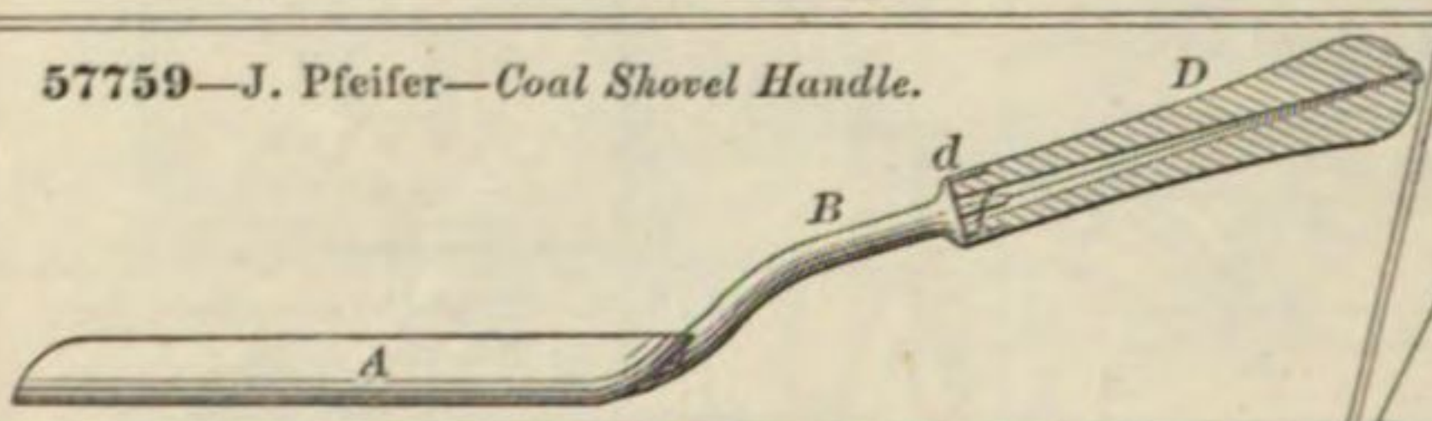




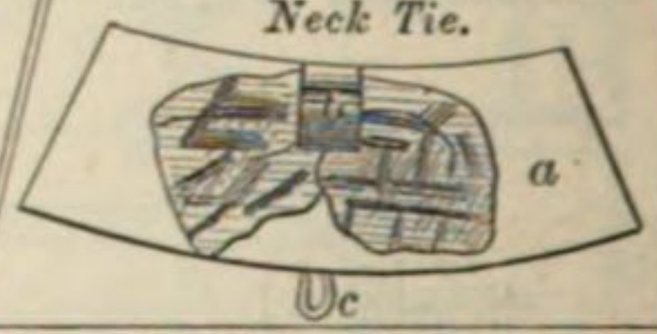
57758—J. Peckham—*Buckle.*



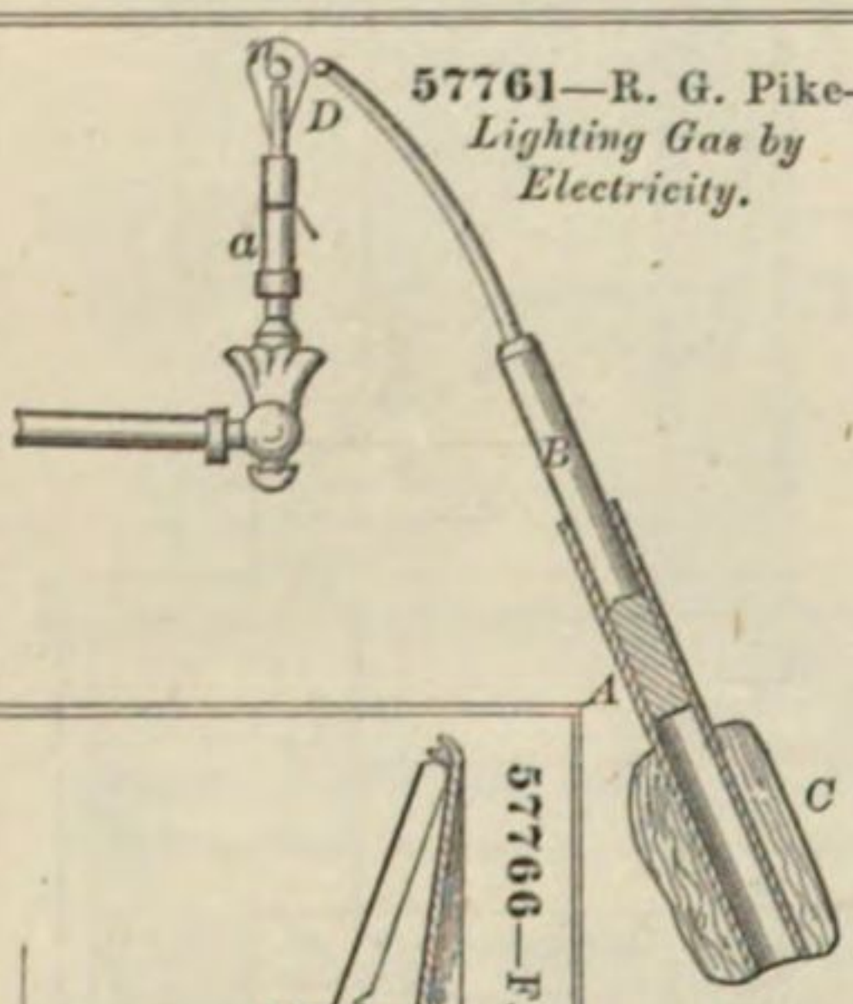
57759—J. Pfeifer—*Coal Shovel Handle.*



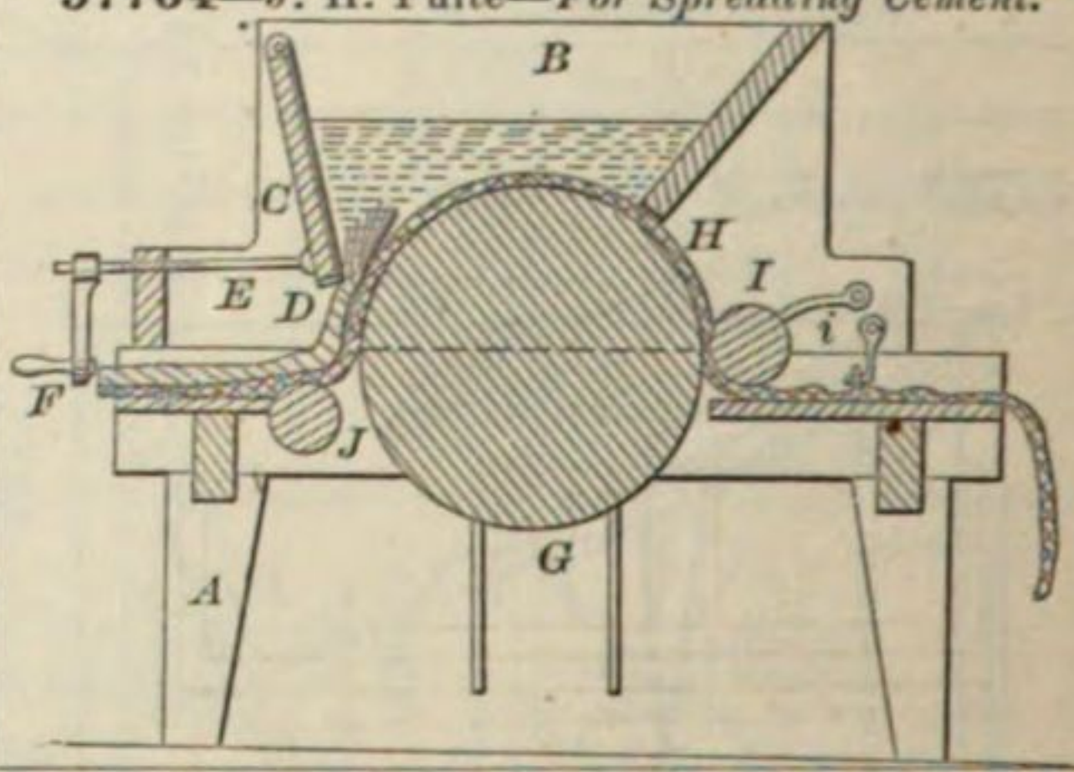
57762—J. K. P. Pine—*Neck Tie.*



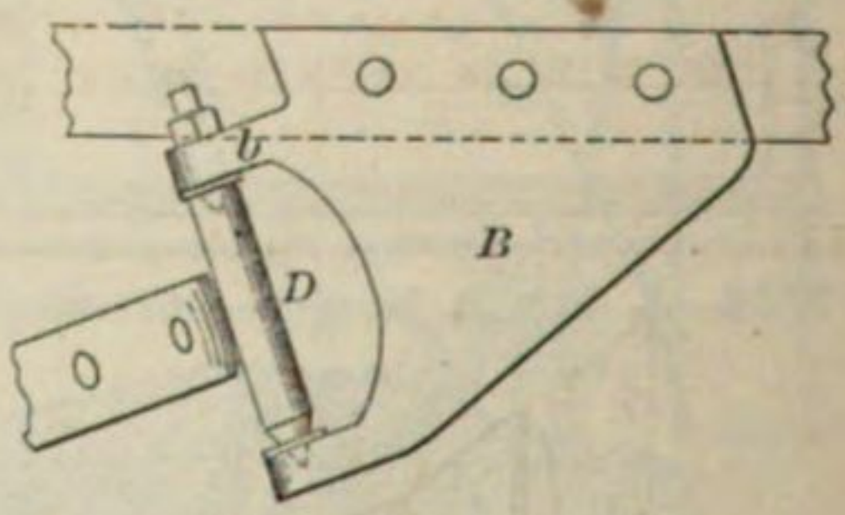
57761—R. G. Pike—*Lighting Gas by Electricity.*



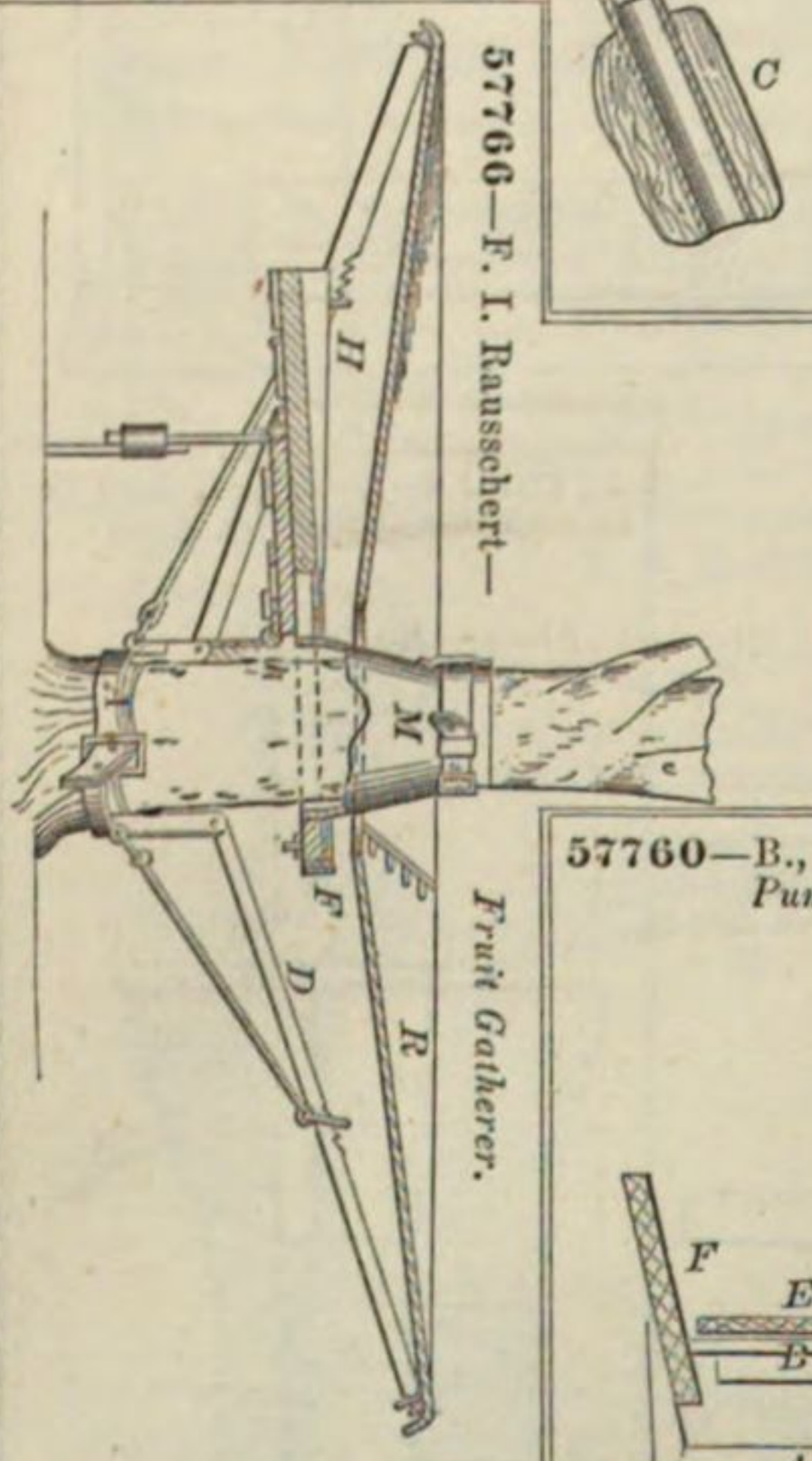
57764—J. H. Pulte—*For Spreading Cement.*



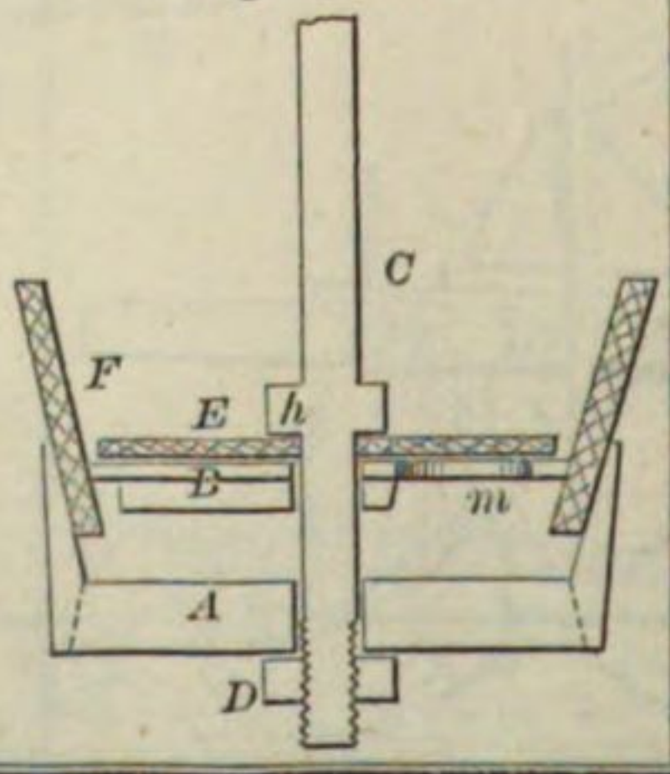
57765—S. R. Ramsdell—*Carriage Wheel Fender.*



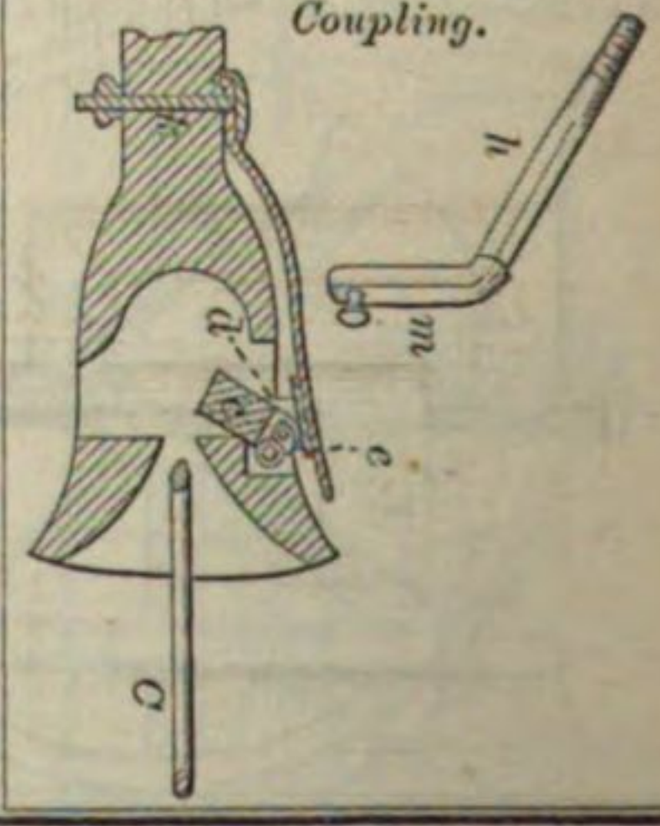
57766—F. I. Rausschert—*Fruit Gatherer.*



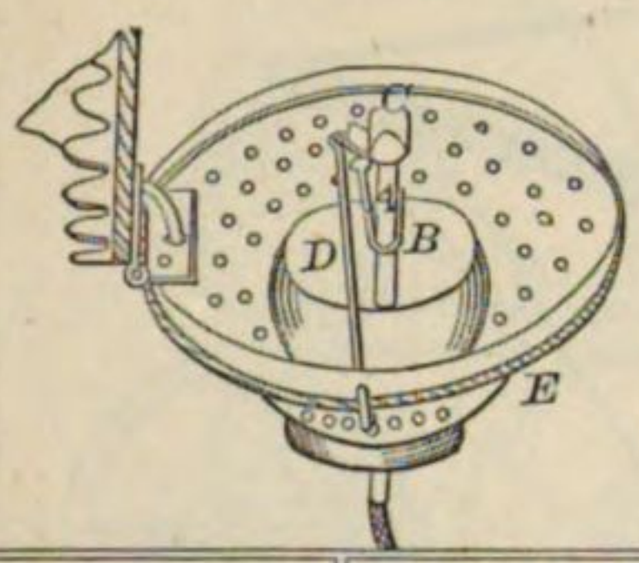
57760—B., E. & B. Pickering—*Pump Piston.*



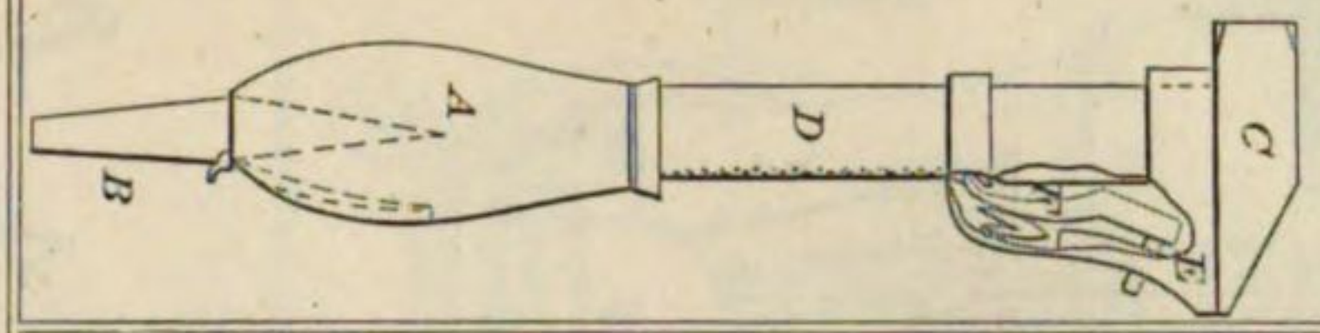
57767—J. H. Reed—*Car Coupling.*



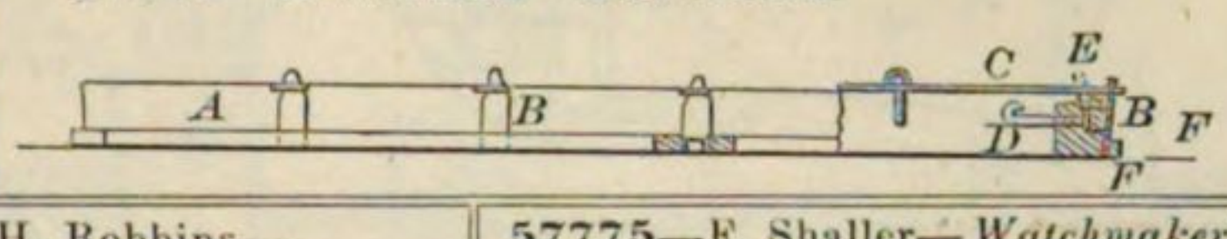
57768—Richardson & Ward—*Lamp Extinguisher.*



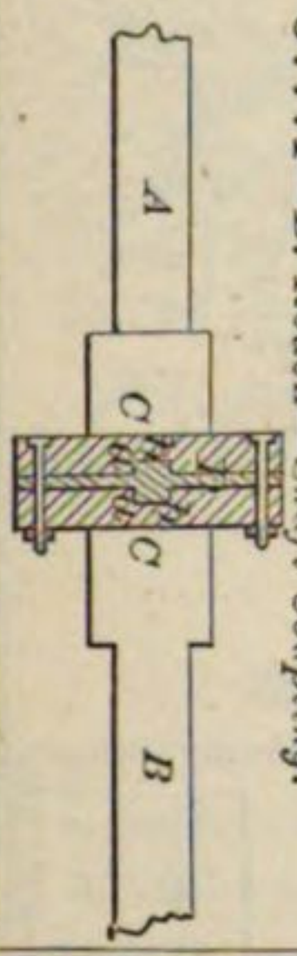
57769—C. Richmond—*Tool.*



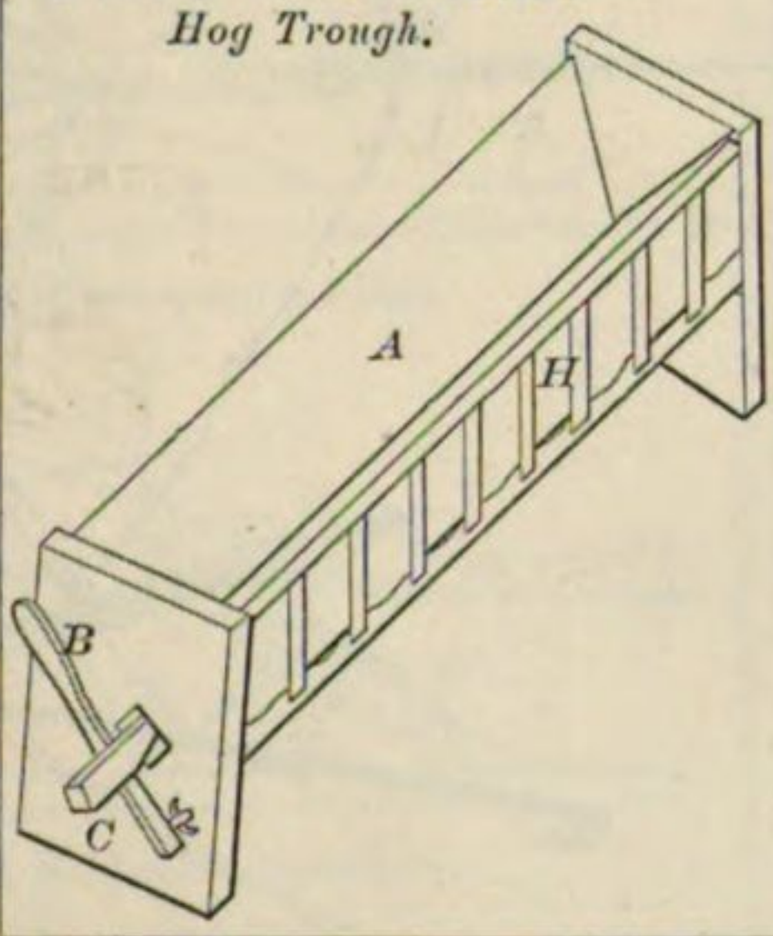
57770—E. R. Rison—*Bed Bottom.*



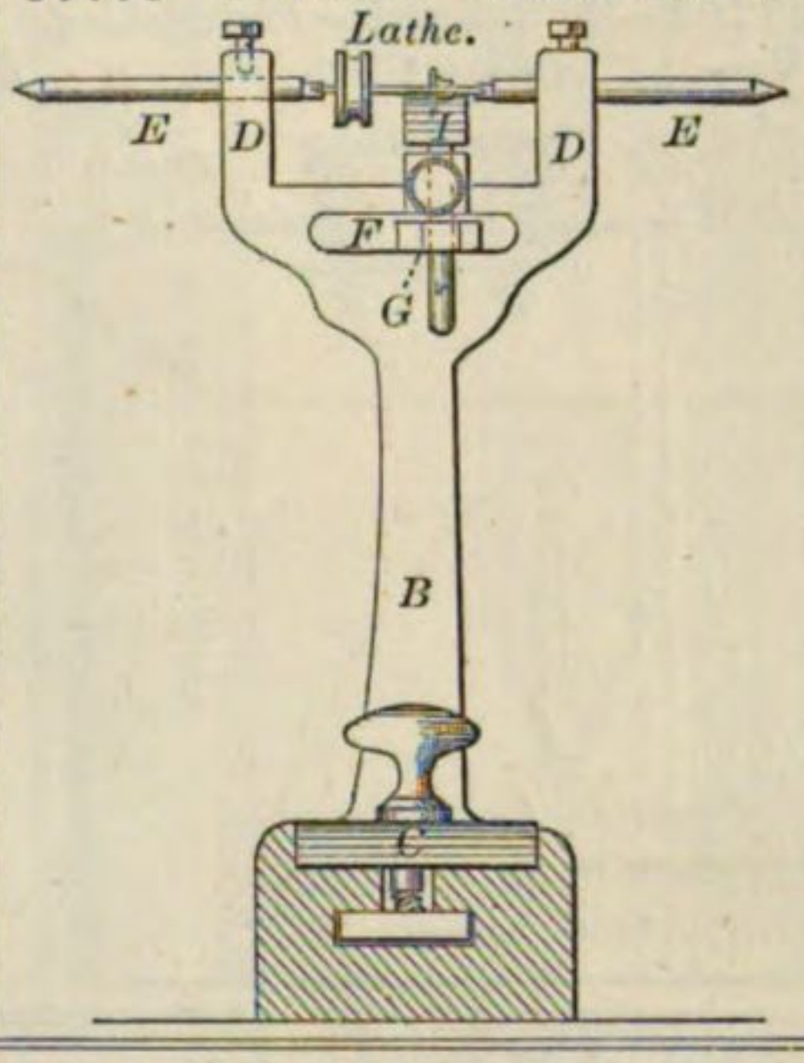
57771—B. Roach—*Shaft Coupling.*



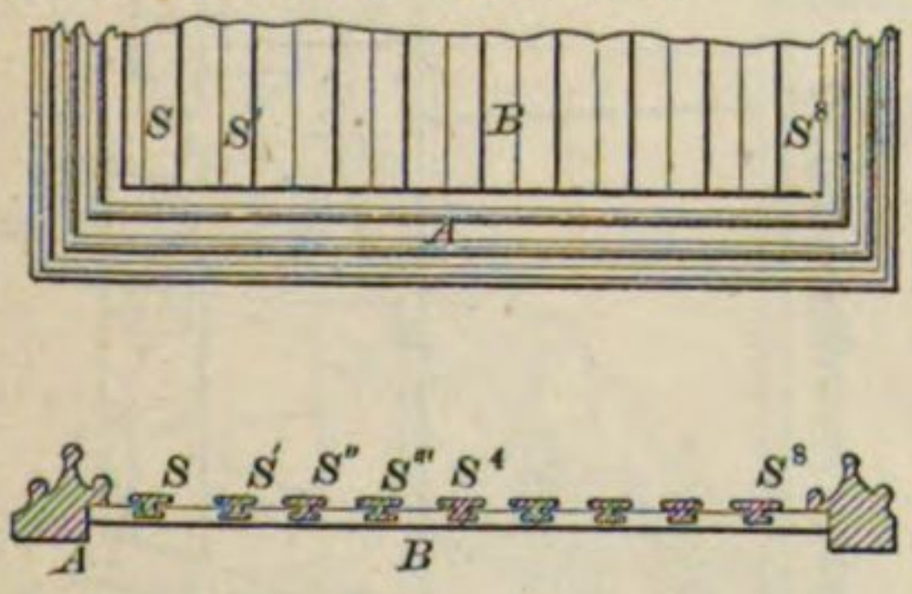
57772—W. H. Robbins—*Hog Trough.*



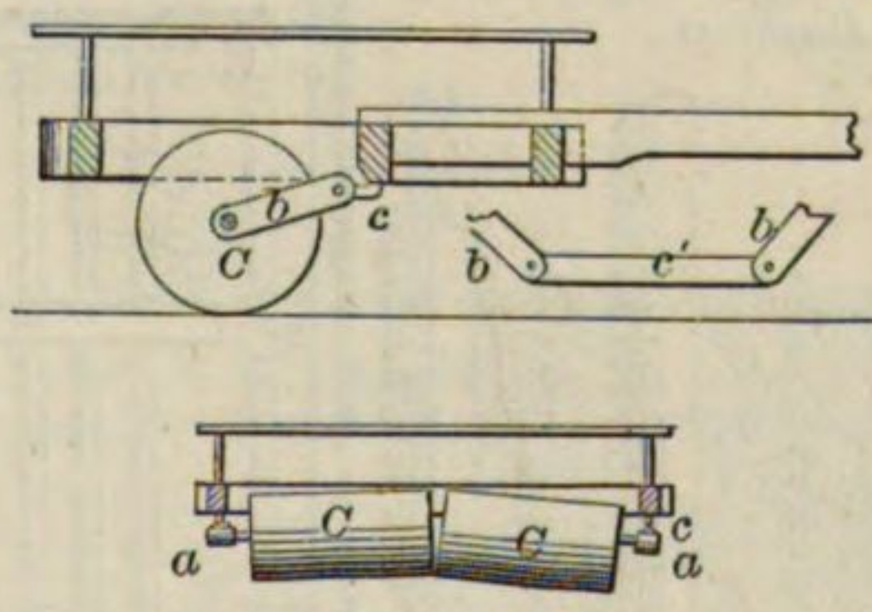
57775—F. Shaller—*Watchmaker's Lathe.*



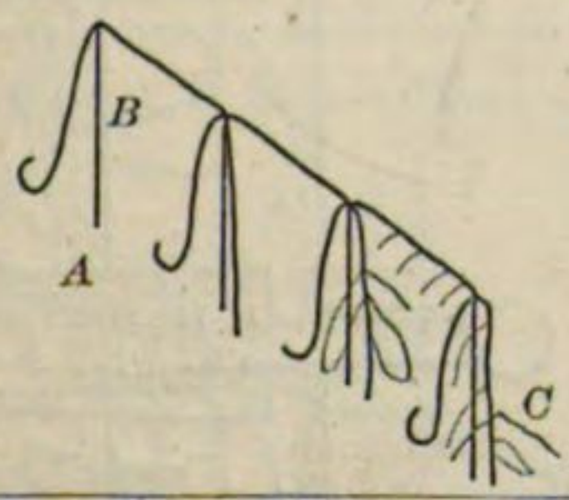
57776—E Safford—*Card Rack.*



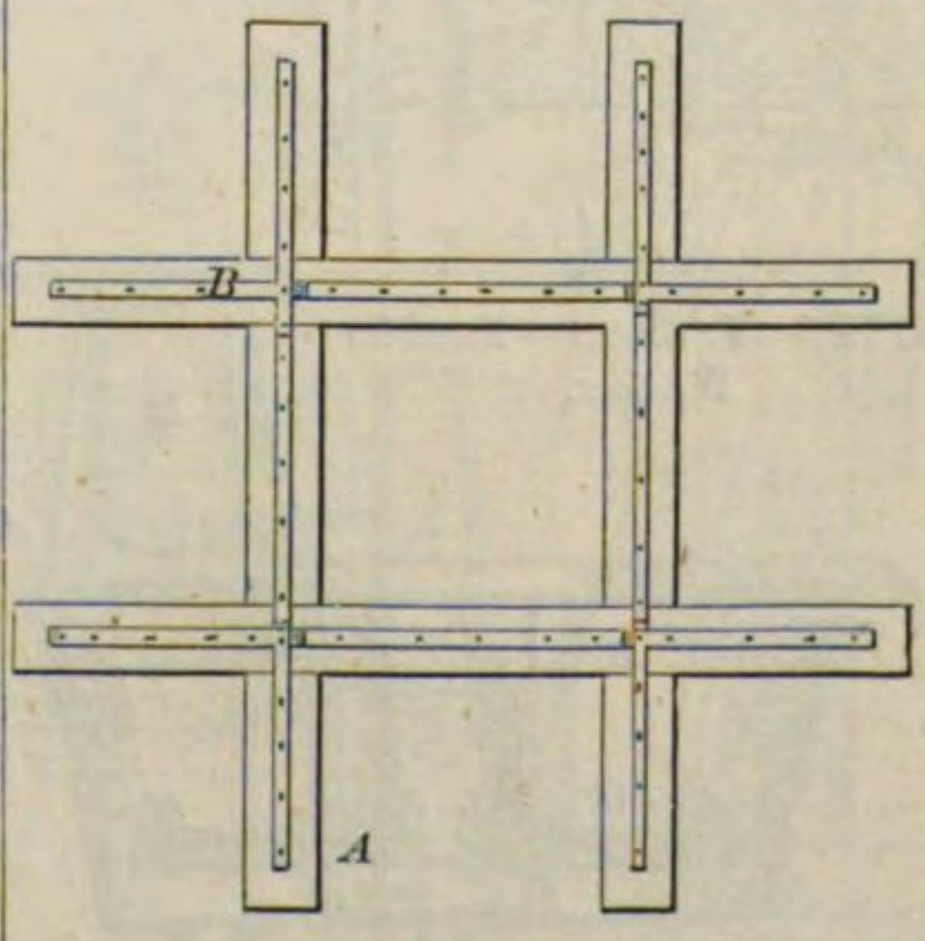
57773—C. D. Roberts—*Ground Roller.*



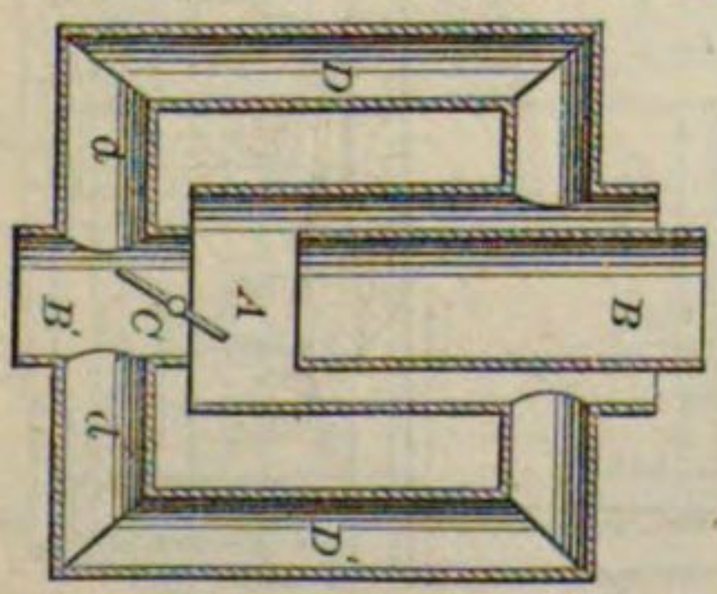
57777—G. S. Salsbury—*Training Grape Vines.*



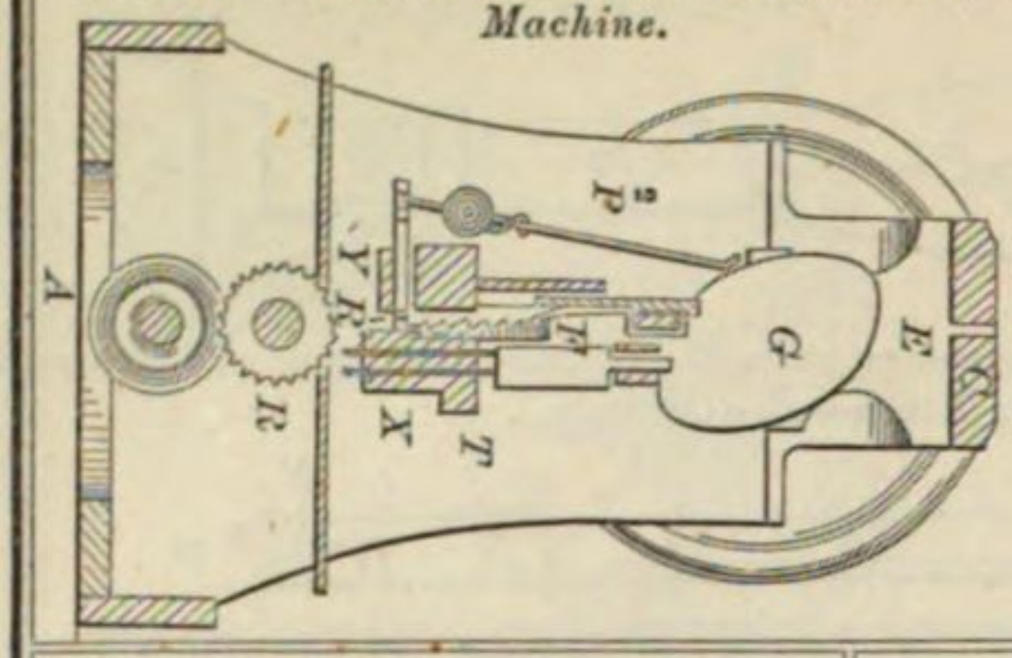
57779—J. L. Shaw—*Railway Crossing.*



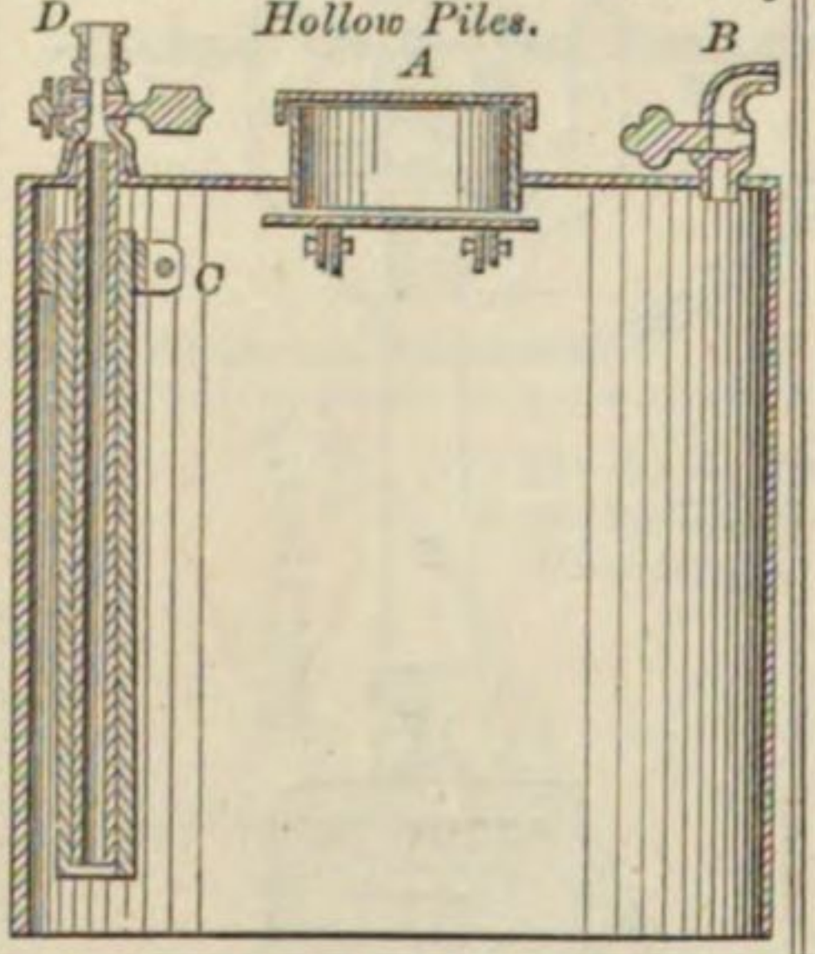
57778—H. H. Senniksen—*Stove Pipe Drum.*



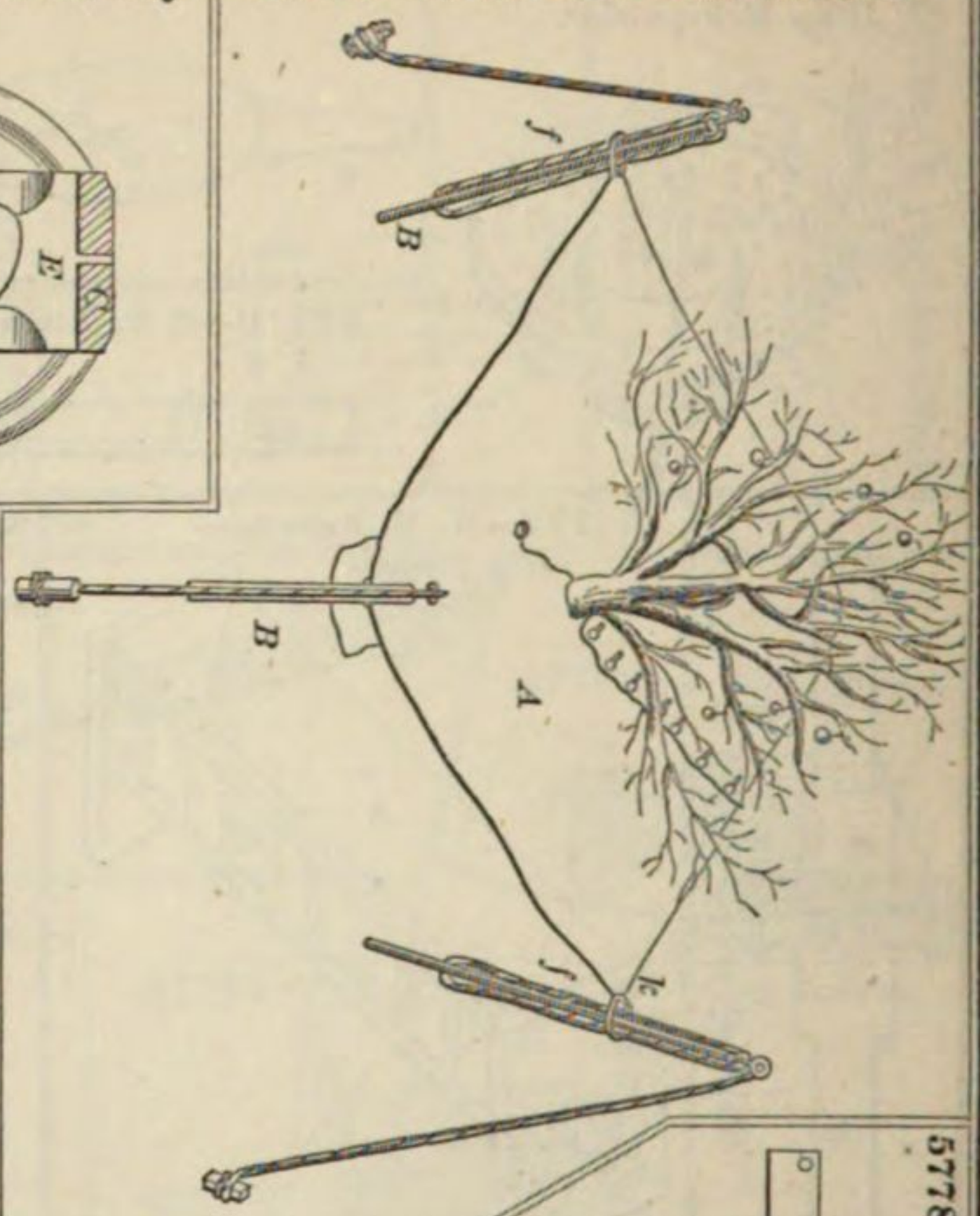
57780—Sheffield & Coburn—*Leather Piercing Machine.*



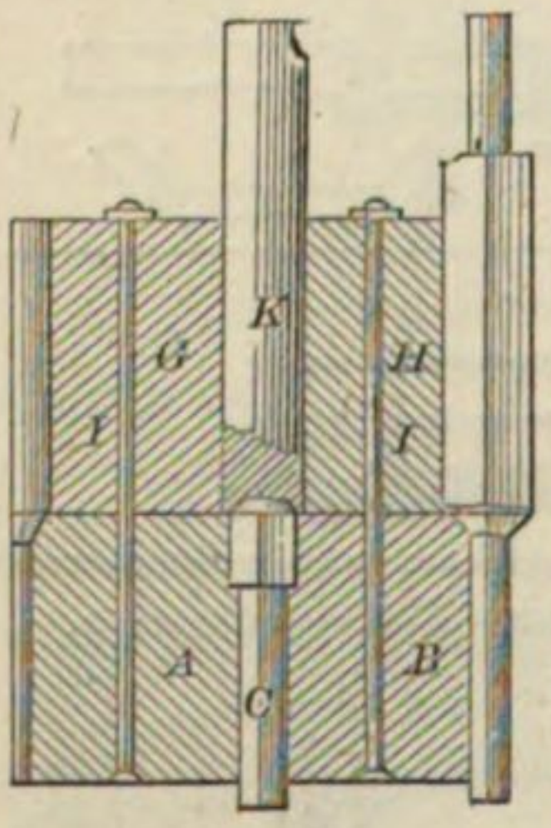
57784—W. S. Smith—*For Sinking Hollow Piles.*



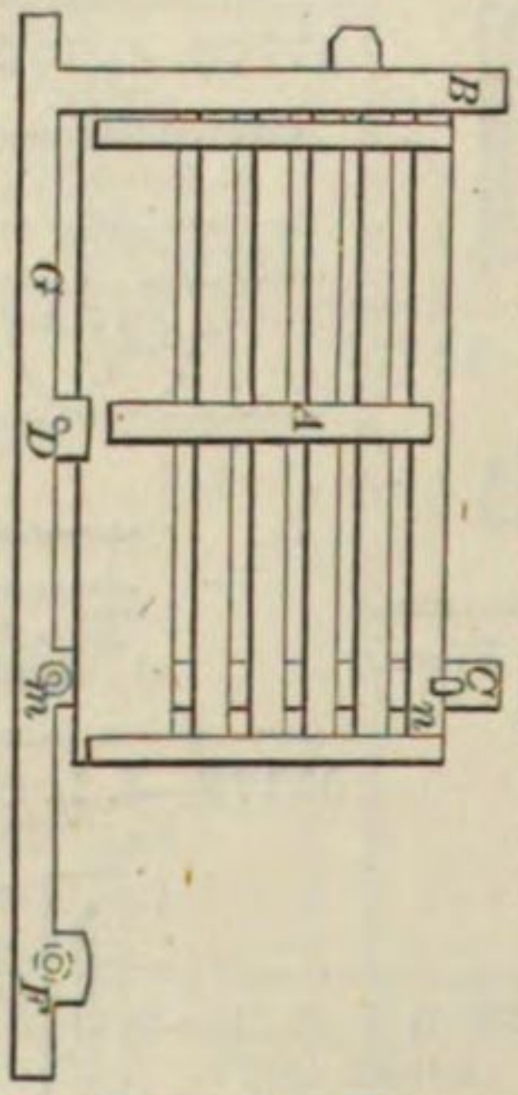
57785—Y. W. Smith—*Fruit Gatherer.*



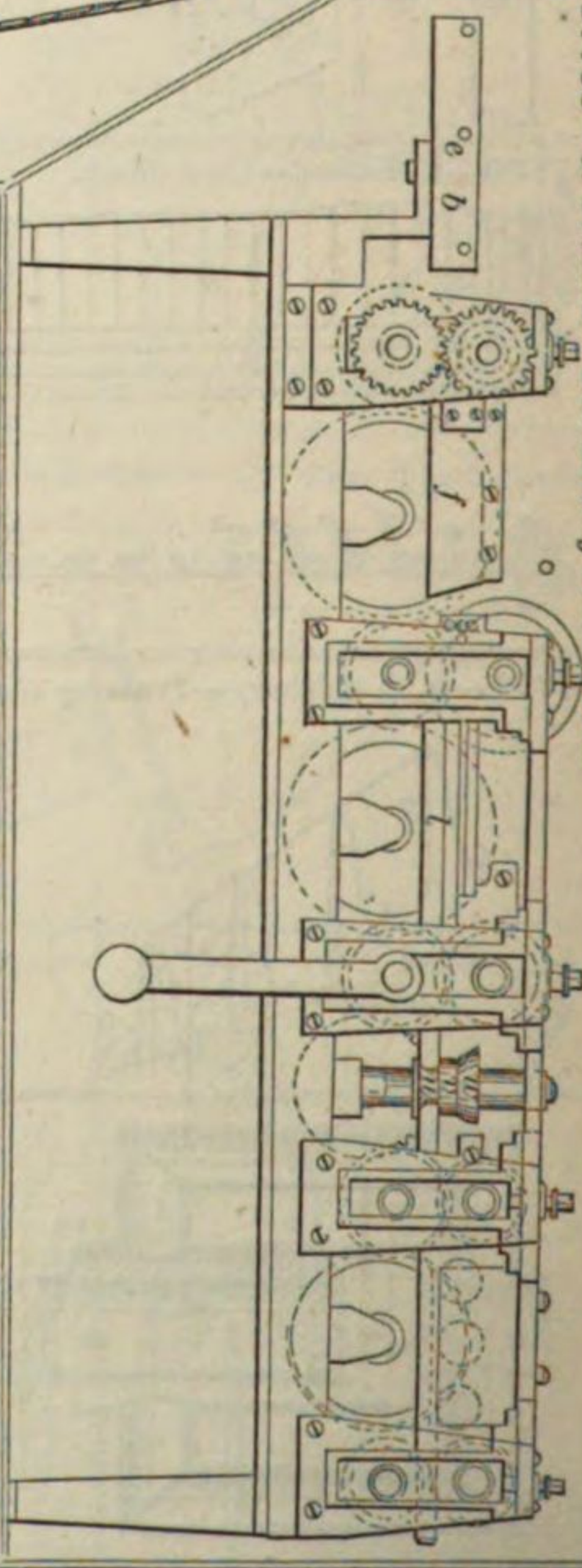
57781—J. W. Sibbet—*Die for Bolt Heading Machines.*



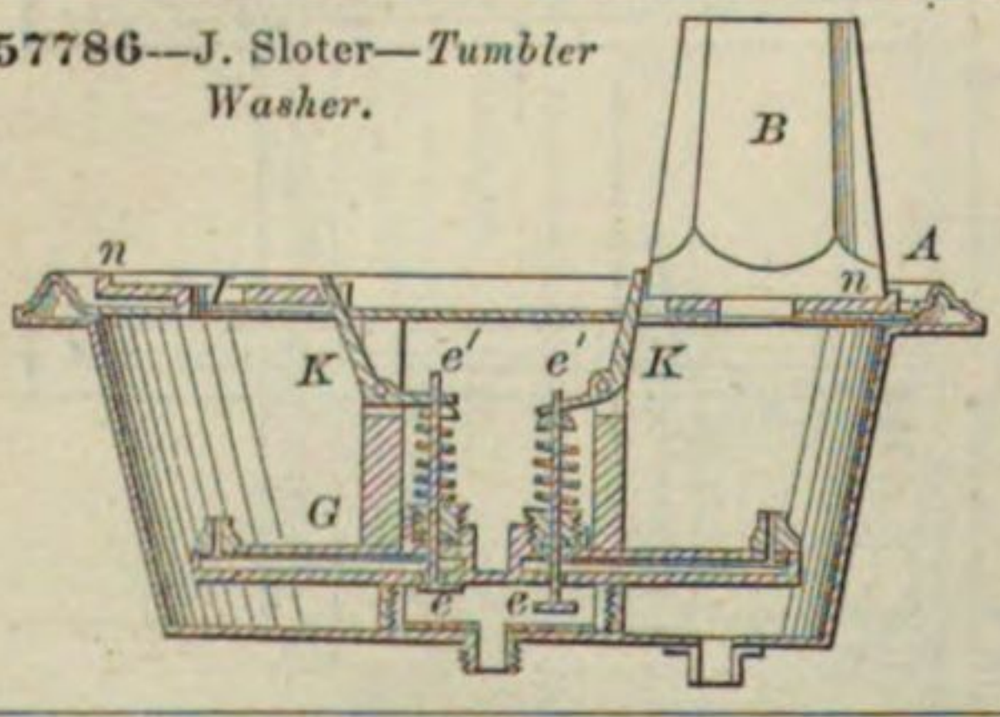
57782—Sigerfoos, Sands & Fry—*Gate.*



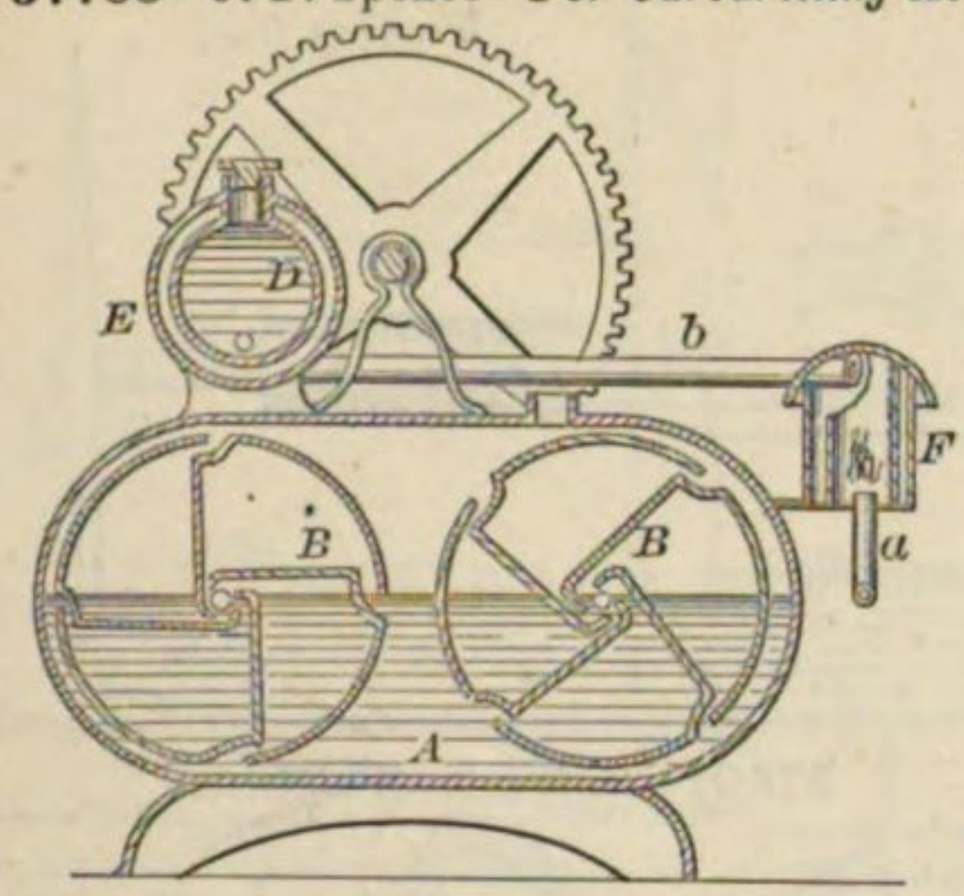
57783—C. G. Smith—*For Making Metal Tubes.*



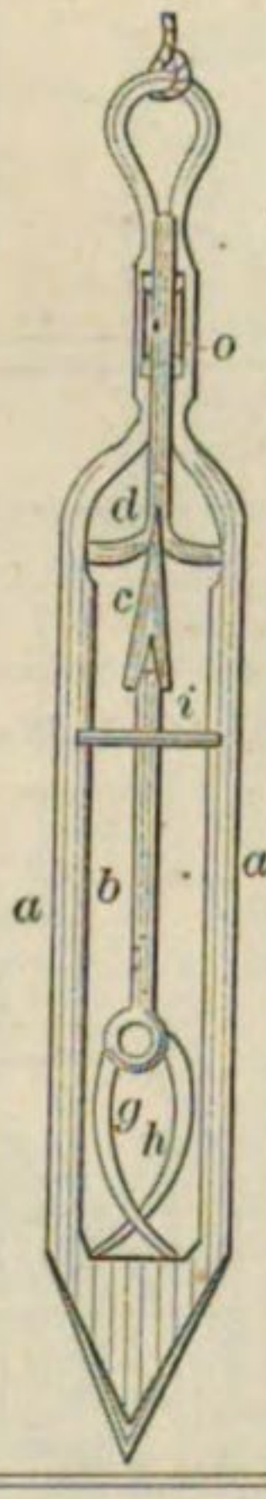
57786—J. Sloter—*Tumbler Washer.*



57788—J. F. Spence—*For Carburetting Air.*

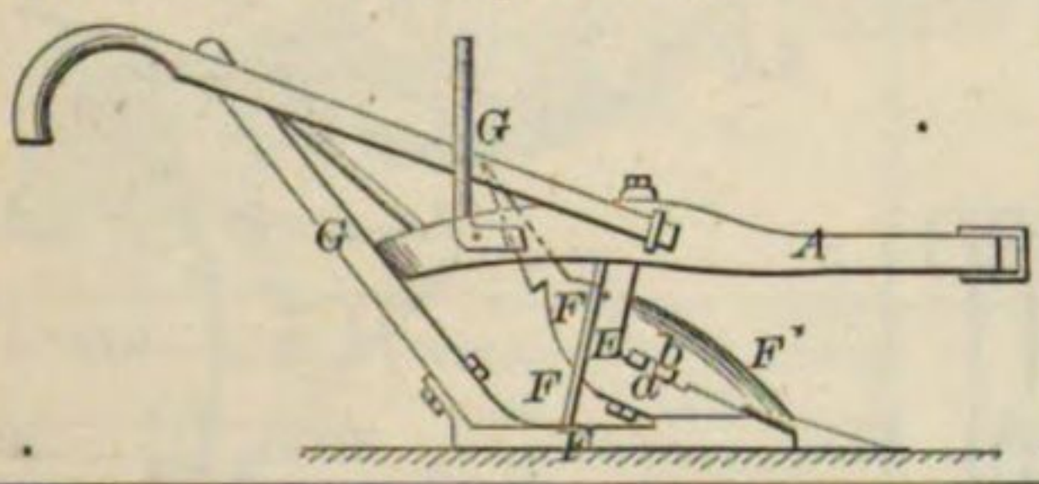


57789—W. S. Spratt—*Horse Hay Fork.*

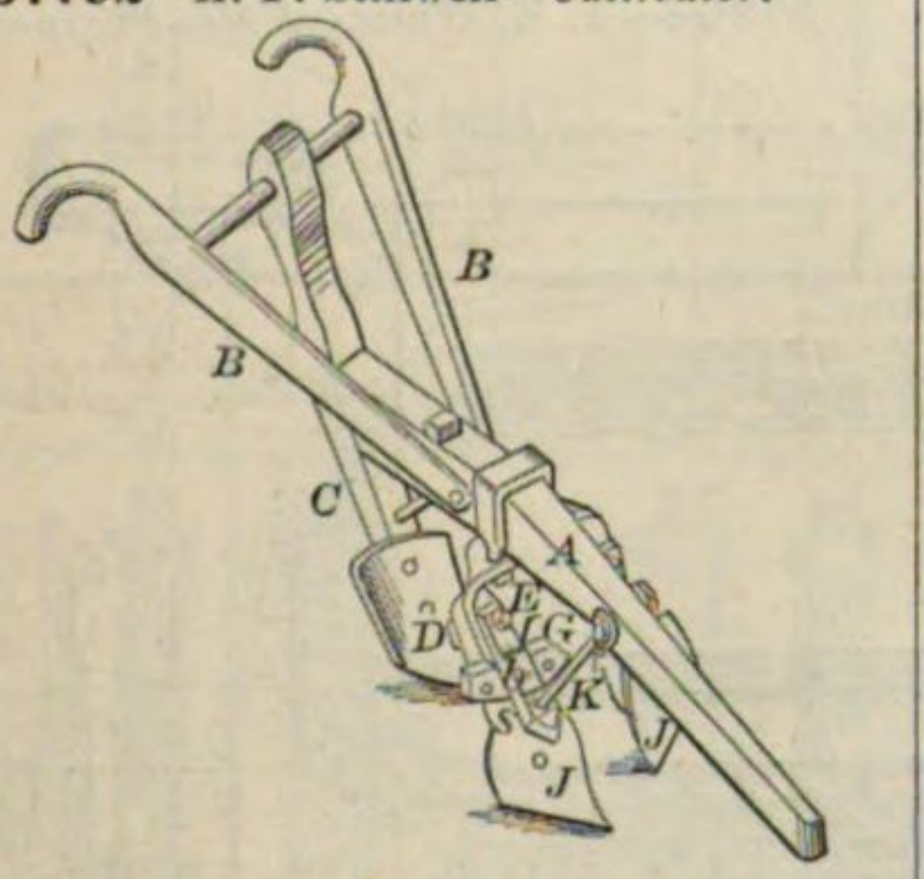


57790—A. G. Squire—*Scythe Stone.*

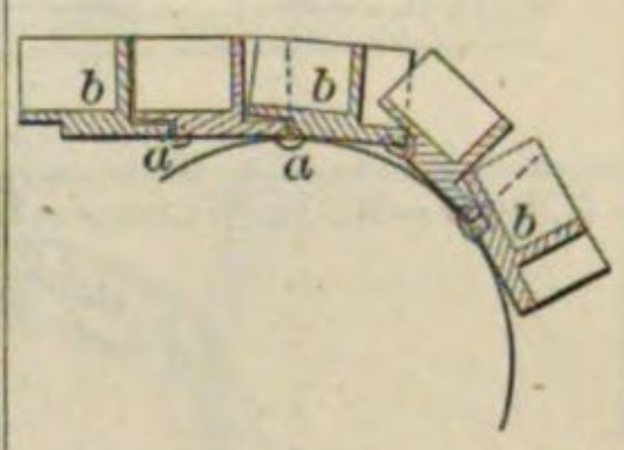
57796—G. W. Thompson—*Plow.*



57792—A. F. Stillwell—*Cultivator.*

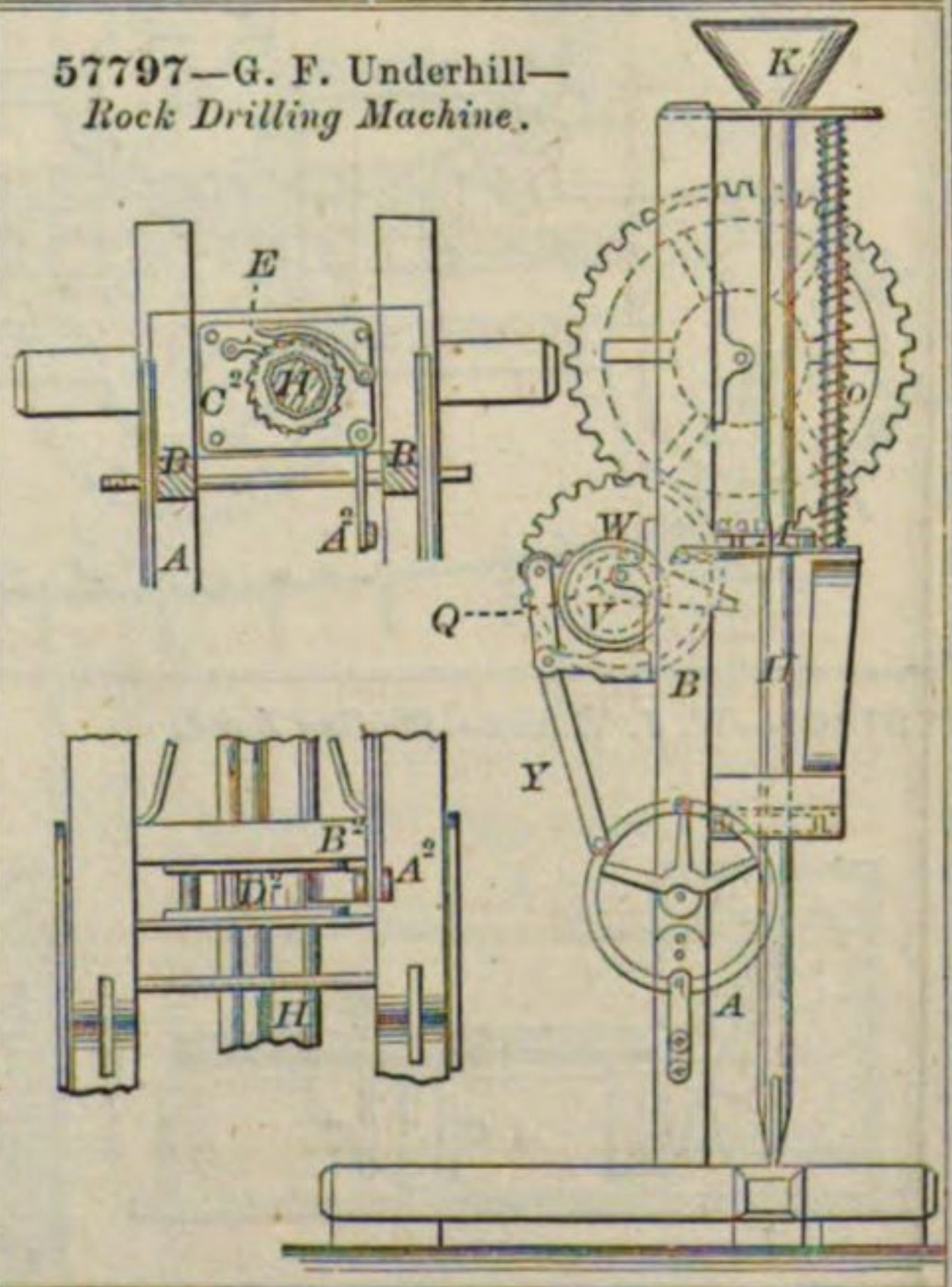


57791—M. B. Stafford—*Jointed Mould.*

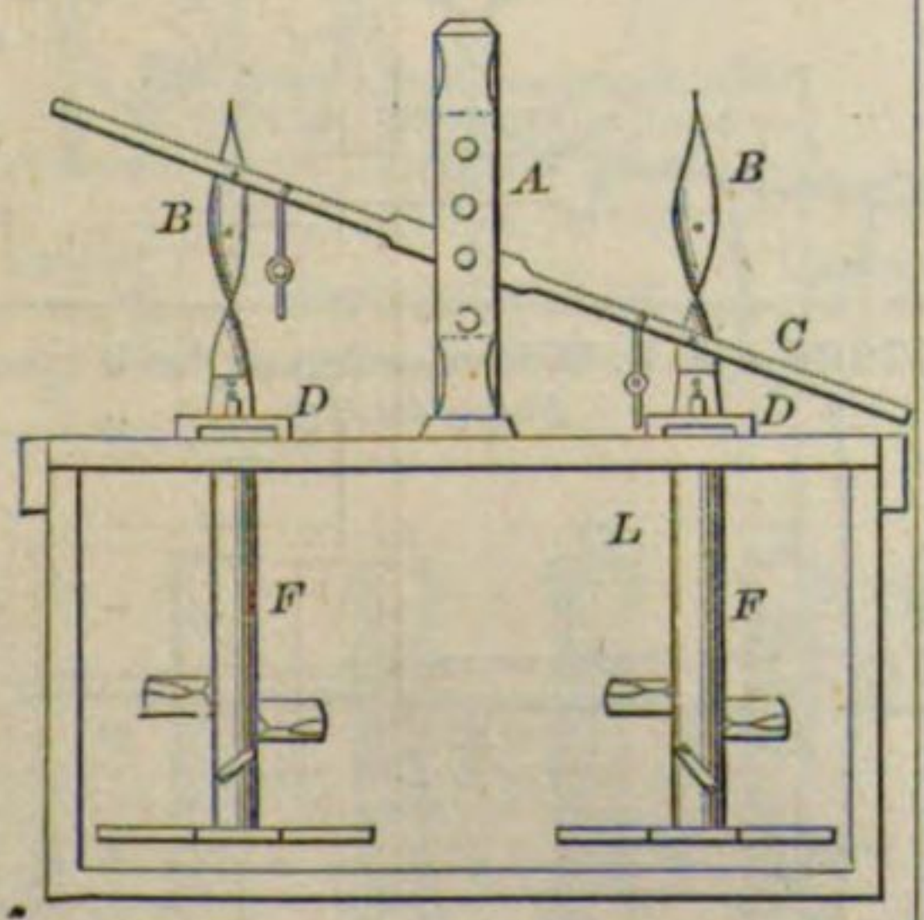


57793—S. W. Stockton—*Attaching Artificial Teeth to Bases.*

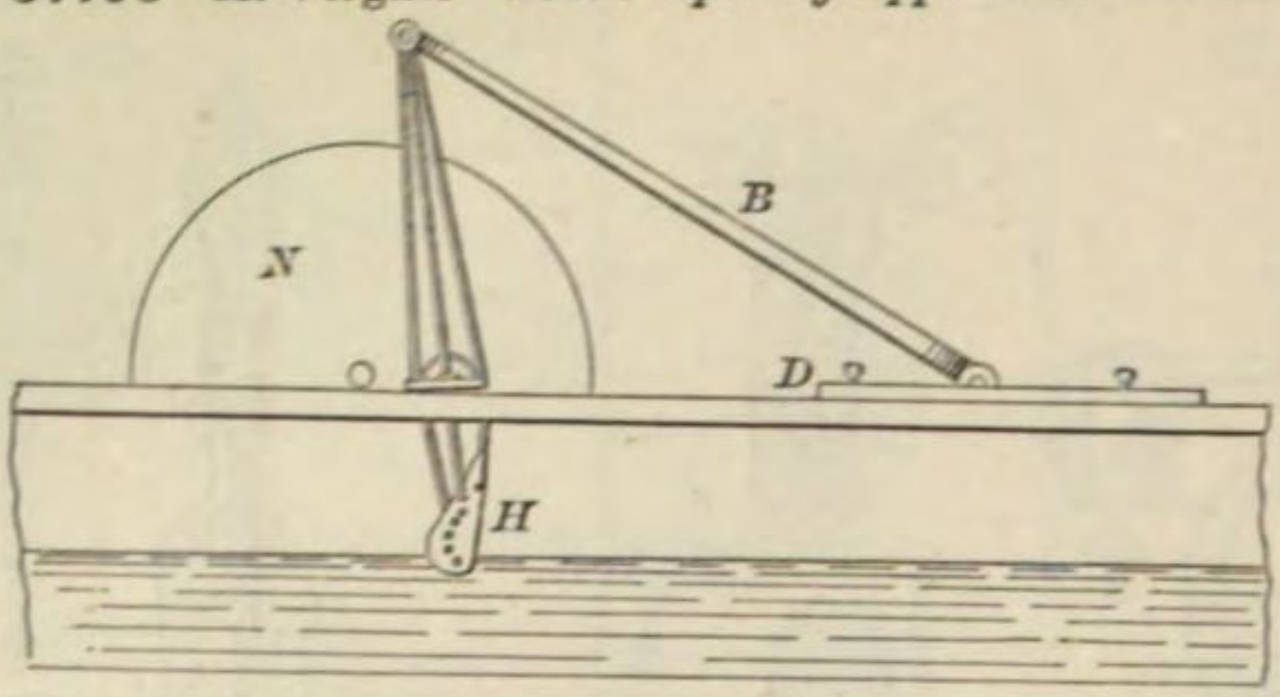
57797—G. F. Underhill—*Rock Drilling Machine.*



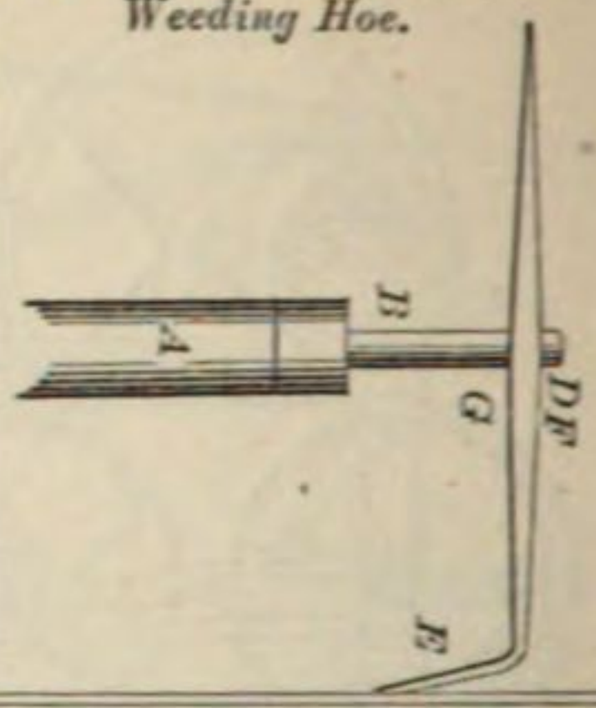
57794—H. C. Stoll—*Churn.*



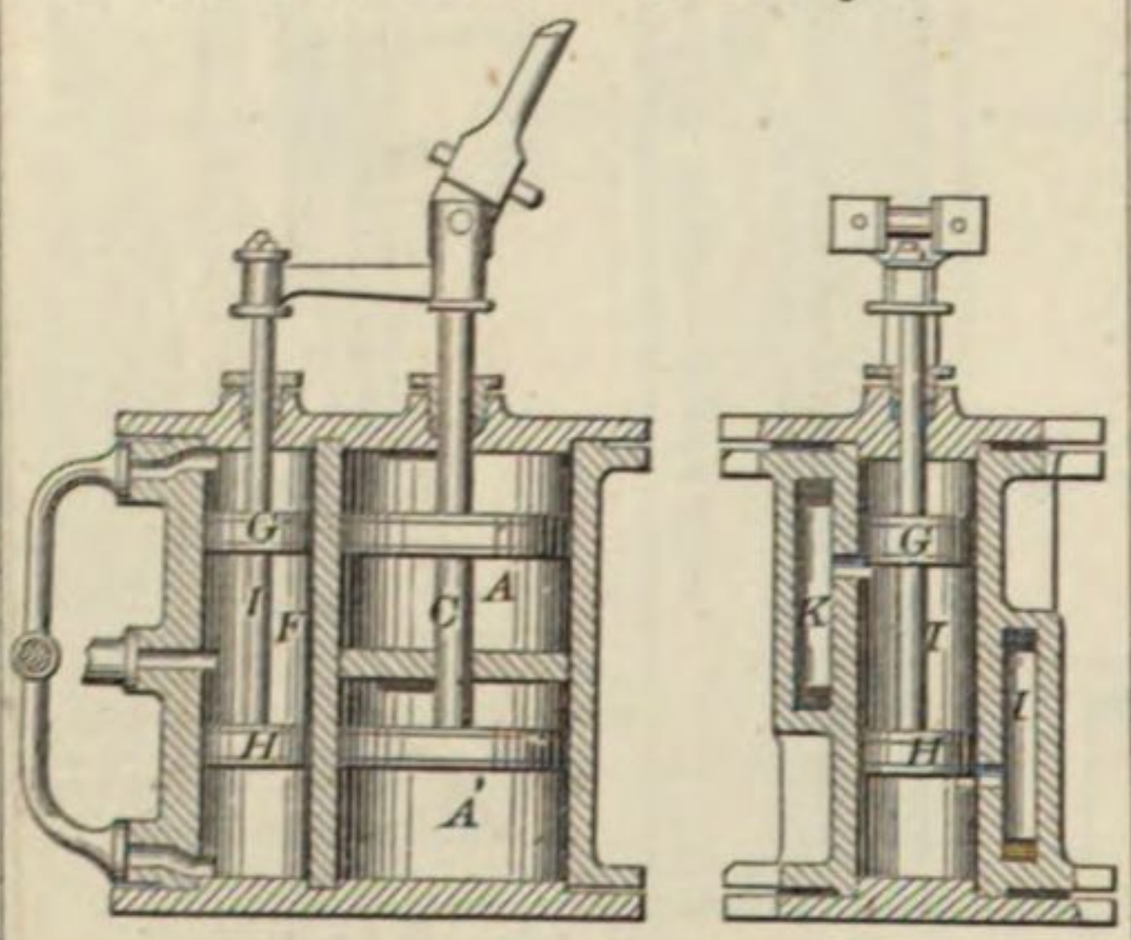
57798—M. Vergnes—*Boat Propelling Apparatus.*



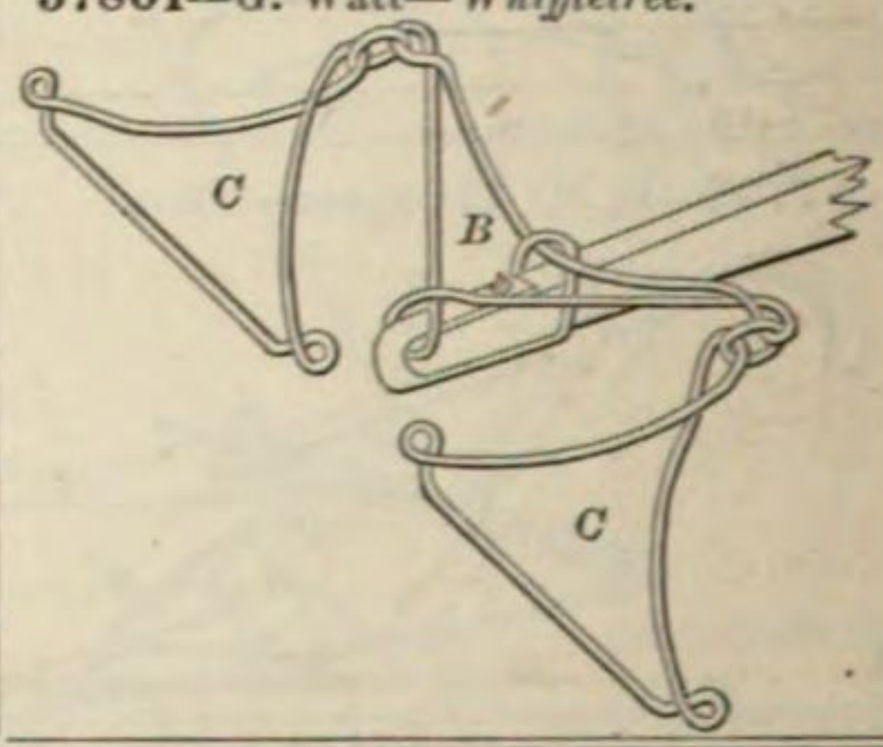
57802—W. J. Wells—*Weeding Hoe.*



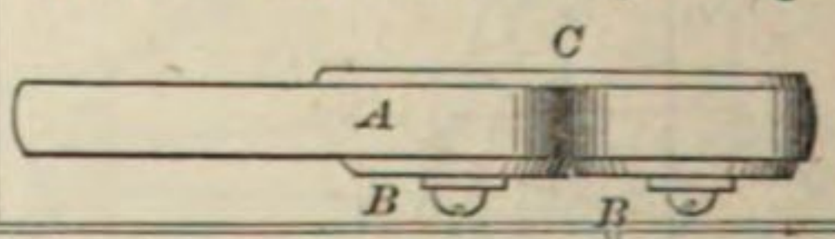
57799—G. I. Washburn—*Steam Engine.*



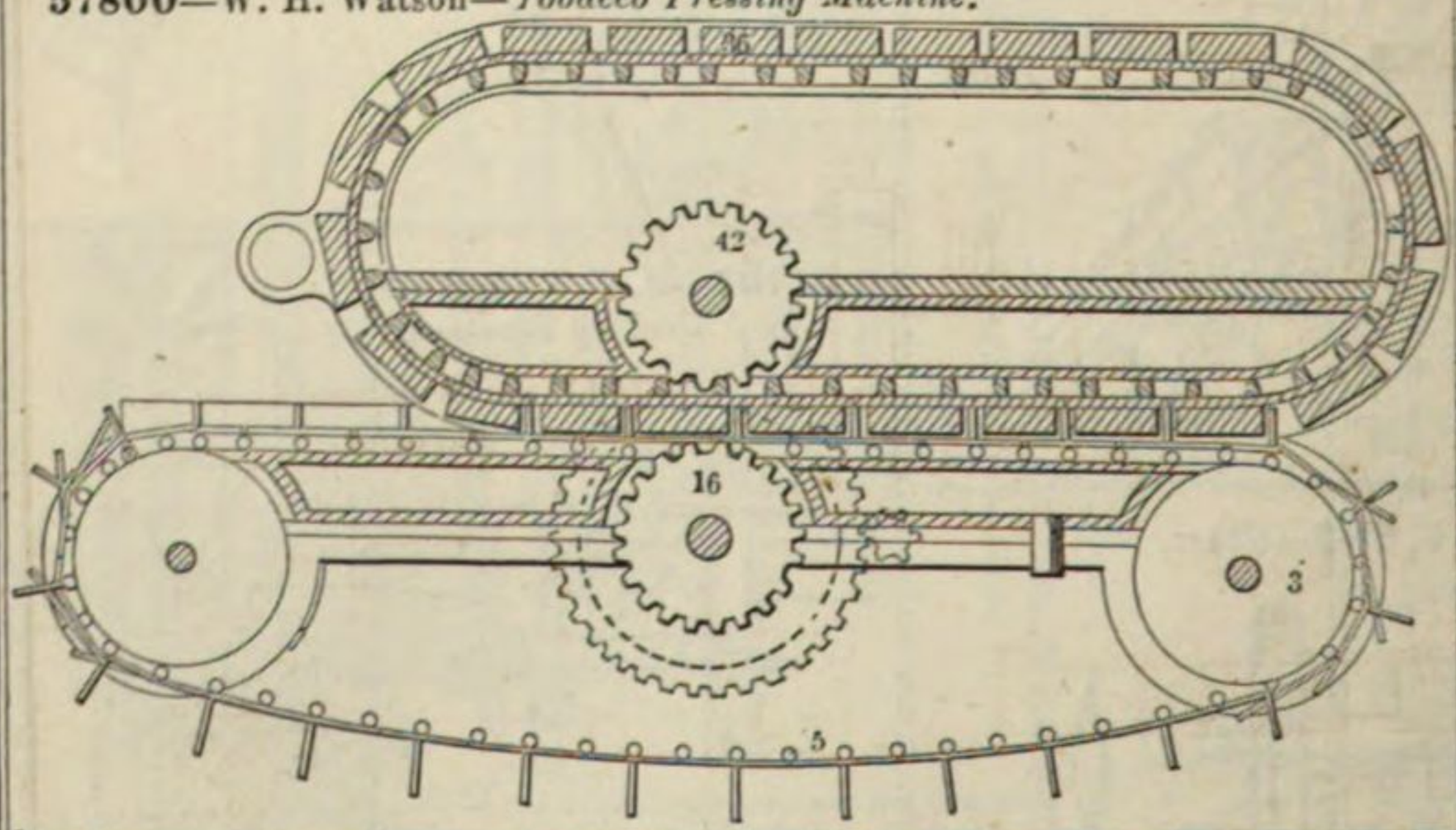
57801—G. Watt—*Whiffletree.*



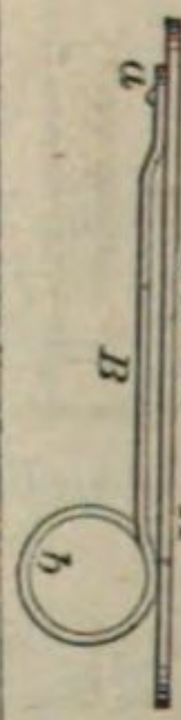
57804—T. H. White—*Knife Sharpener.*



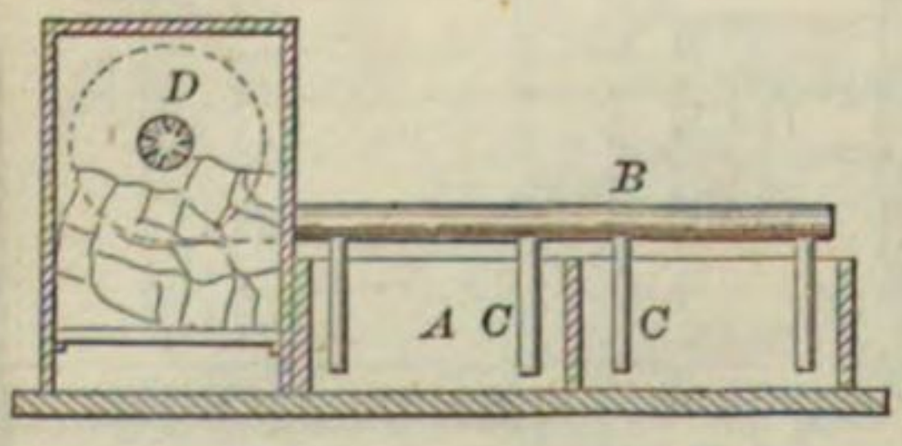
57800—W. H. Watson—*Tobacco Pressing Machine.*



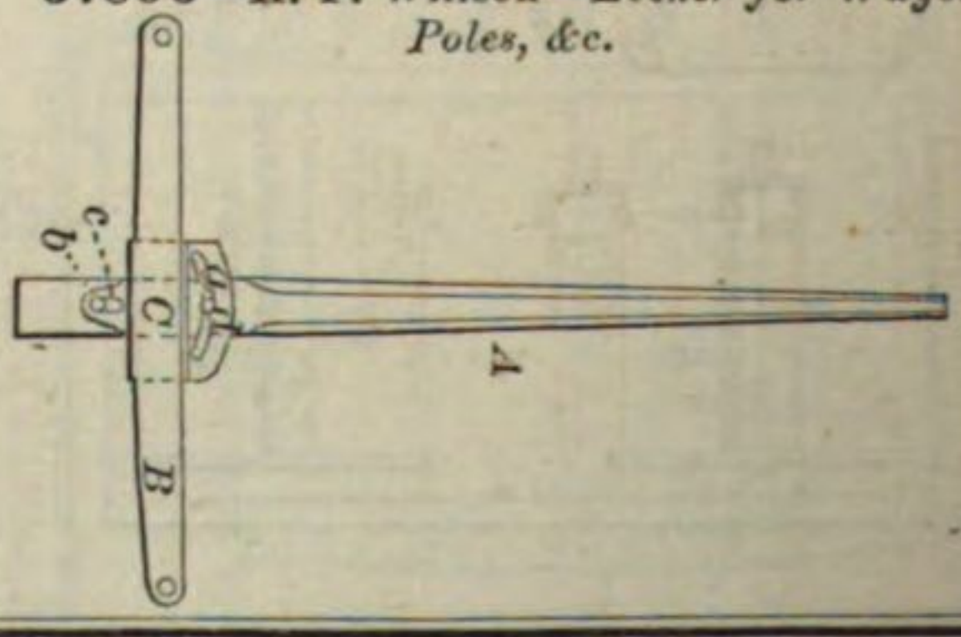
57803—M. Whipple—*Driving Rein Holder.*



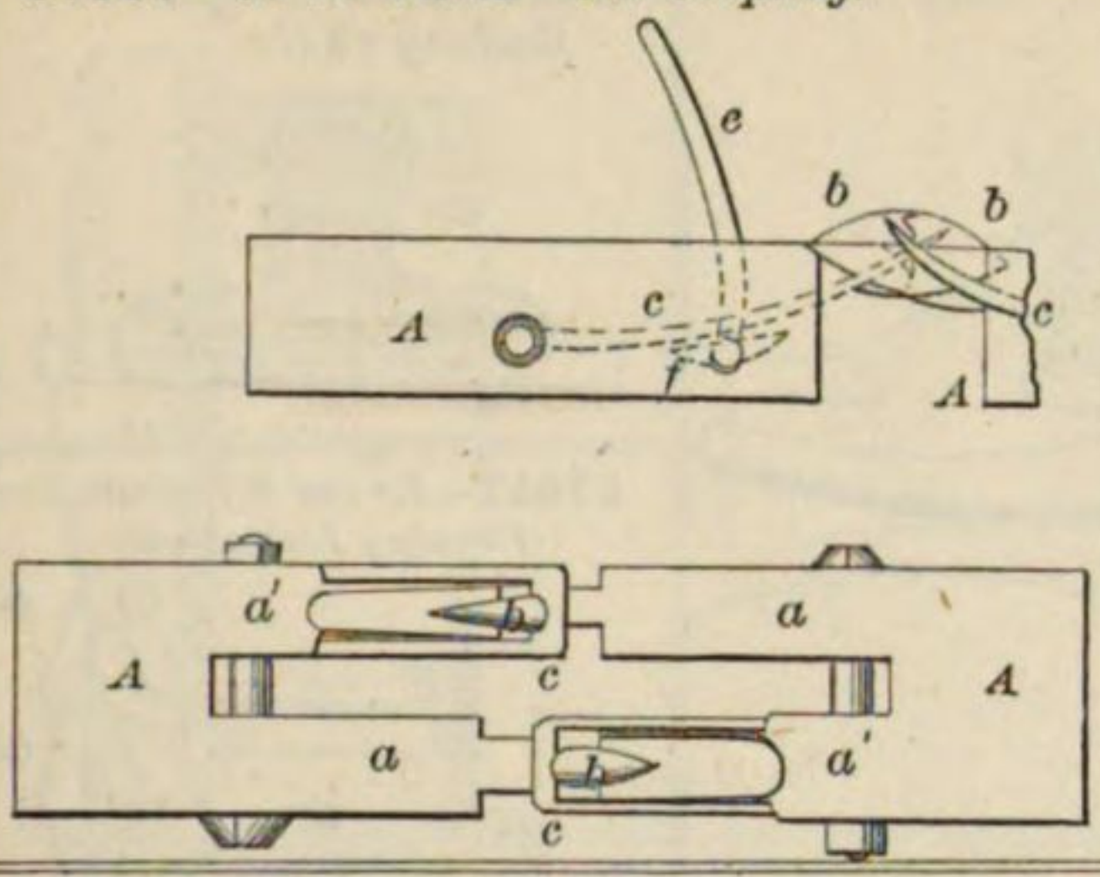
57805—W. J. Wilcox—*Cooling Lard.*



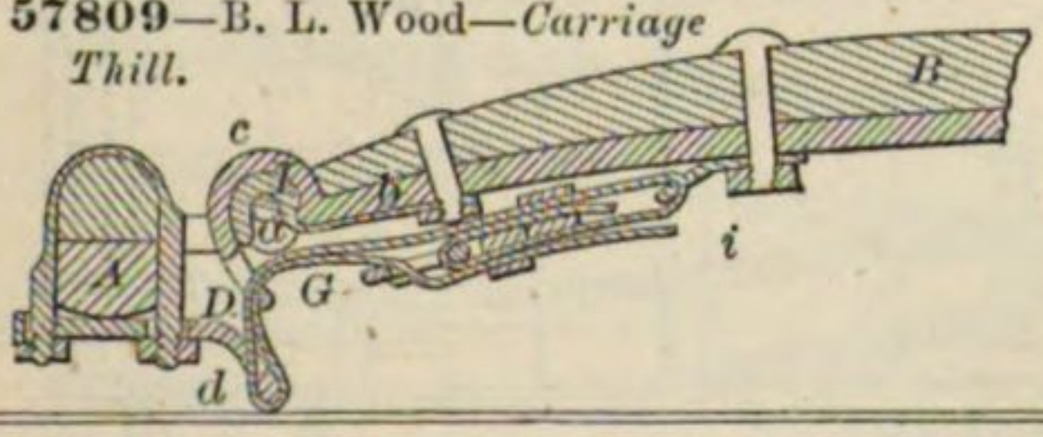
57806—H. F. Willson—*Evener for Wagon Poles, &c.*



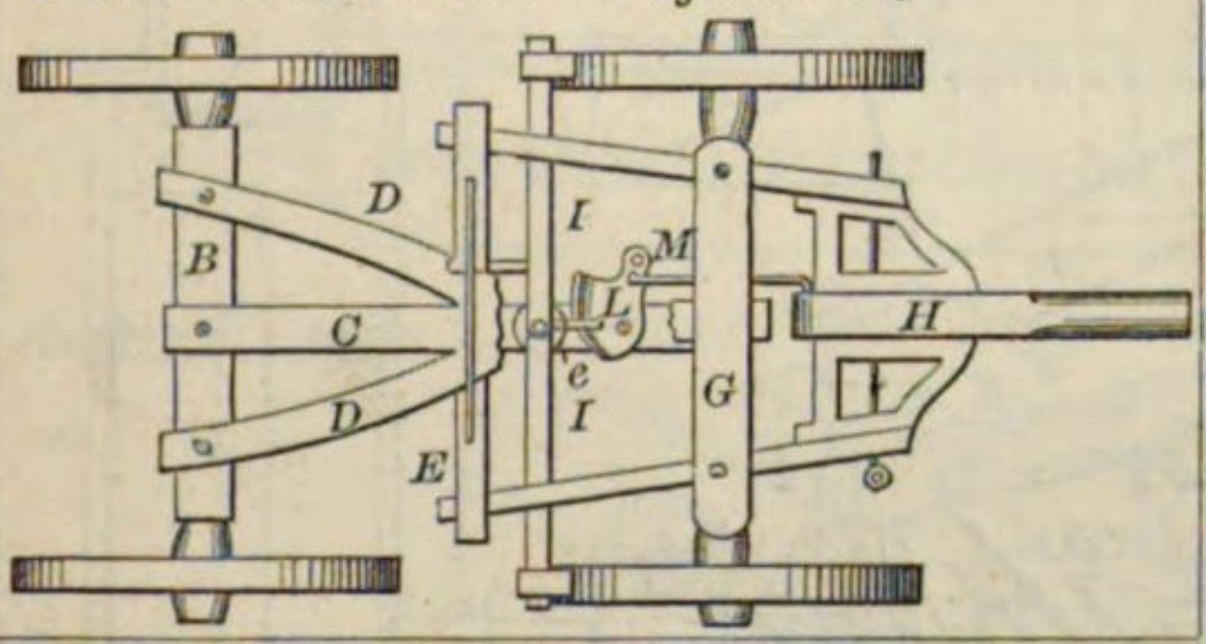
57807—G. W. Wilson—*Car Coupling.*



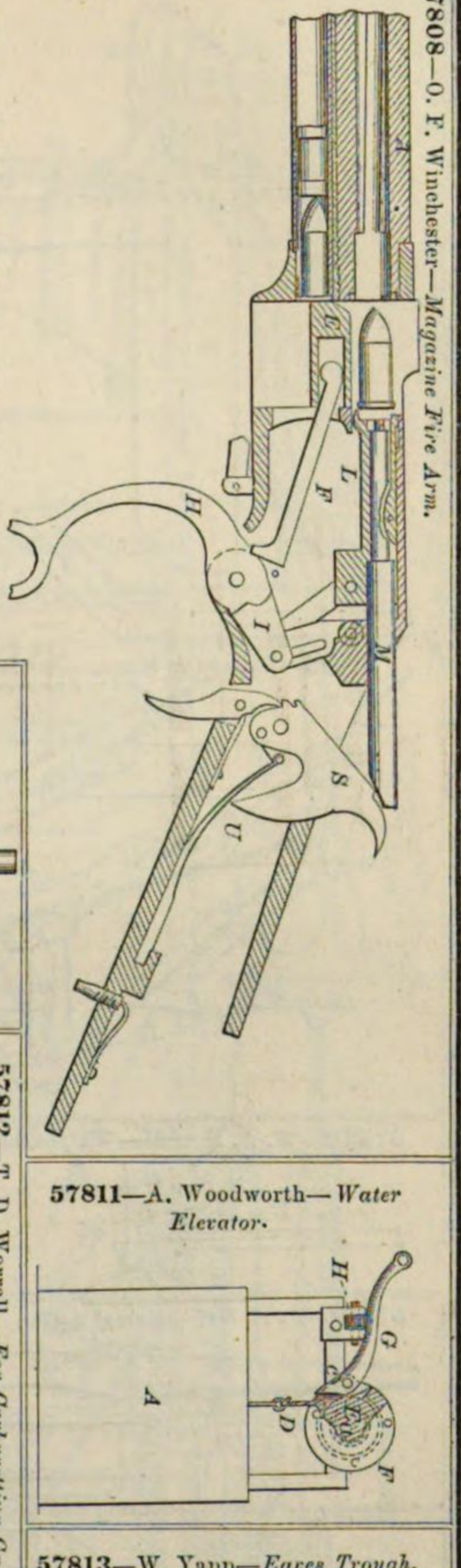
57809—B. L. Wood—*Carriage Thill.*



57810—L. E. Woodard—*Wagon Brake.*

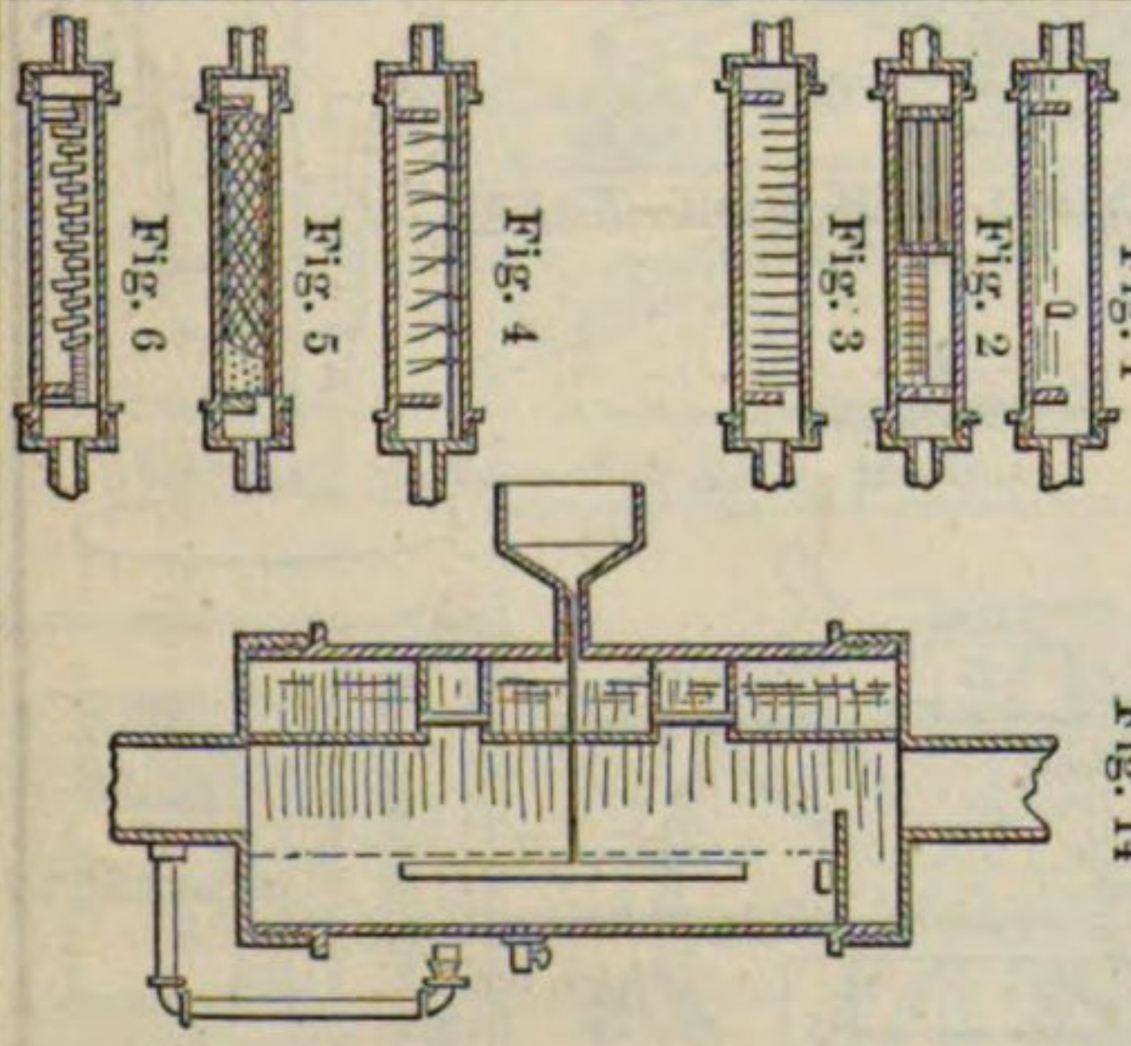


57808—O. F. Winchester—*Magazine Fire Arm.*

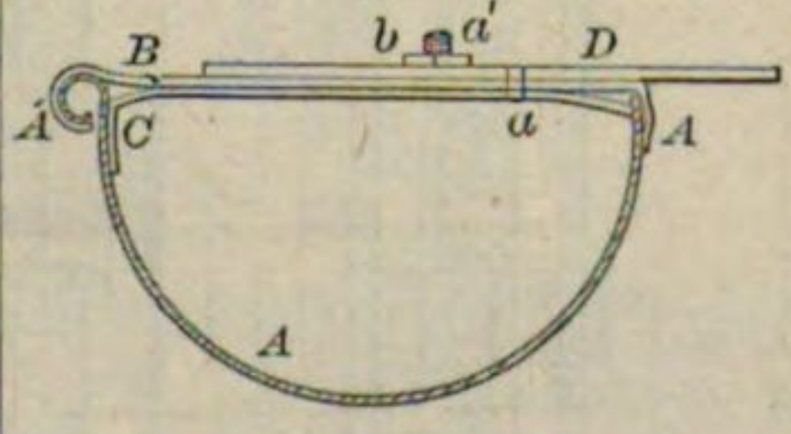


57811—A. Woodworth—*Water Elevator.*

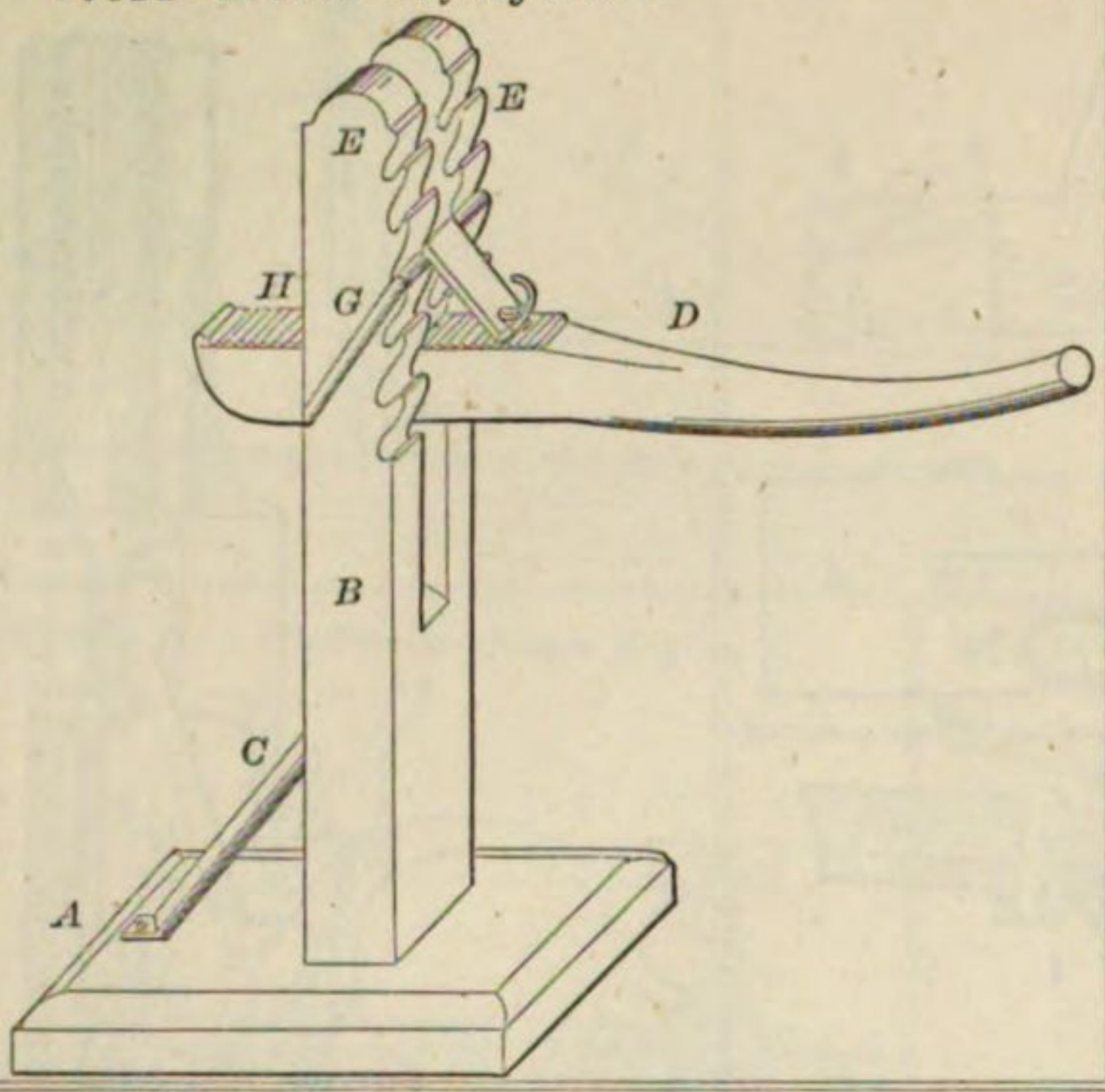
57812—T. D. Worrall—*For Carbureting Gas.*



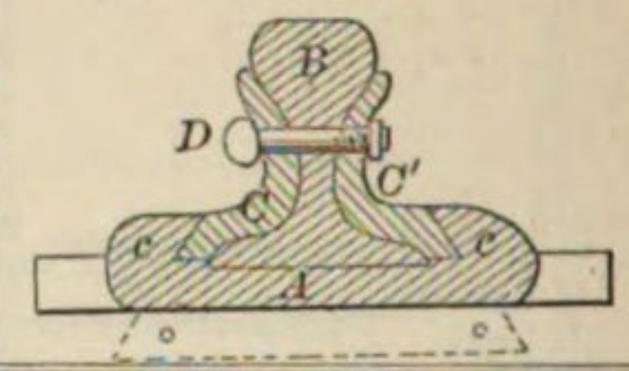
57813—W. Yapp—*Eaves Trough.*



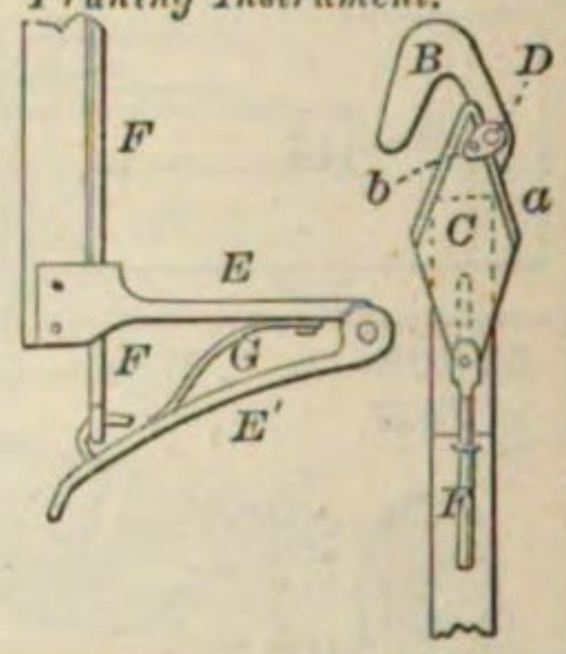
57814—A. Zink—*Lifting Jack.*



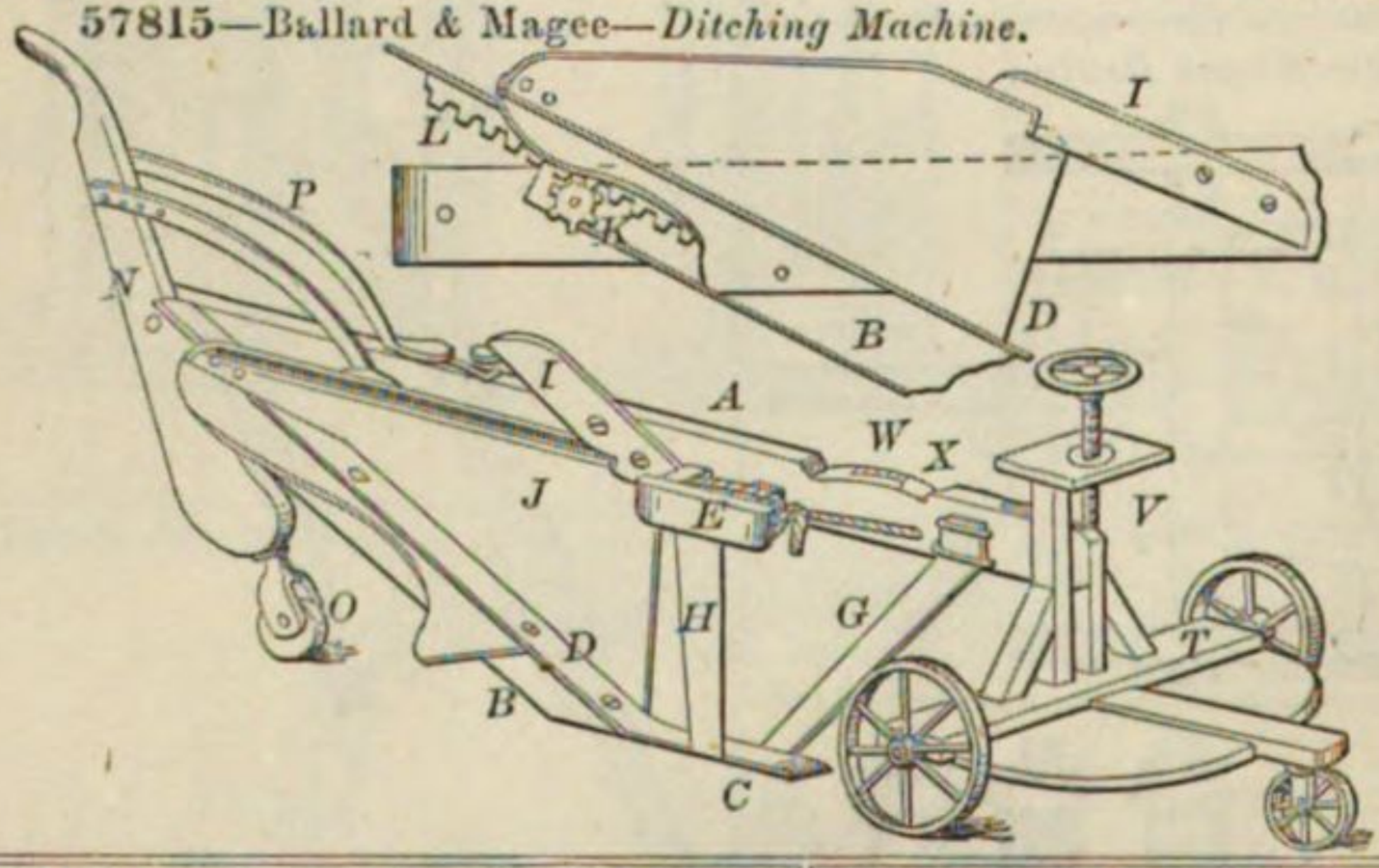
57816—J. W. Draper—
Railway Chair.



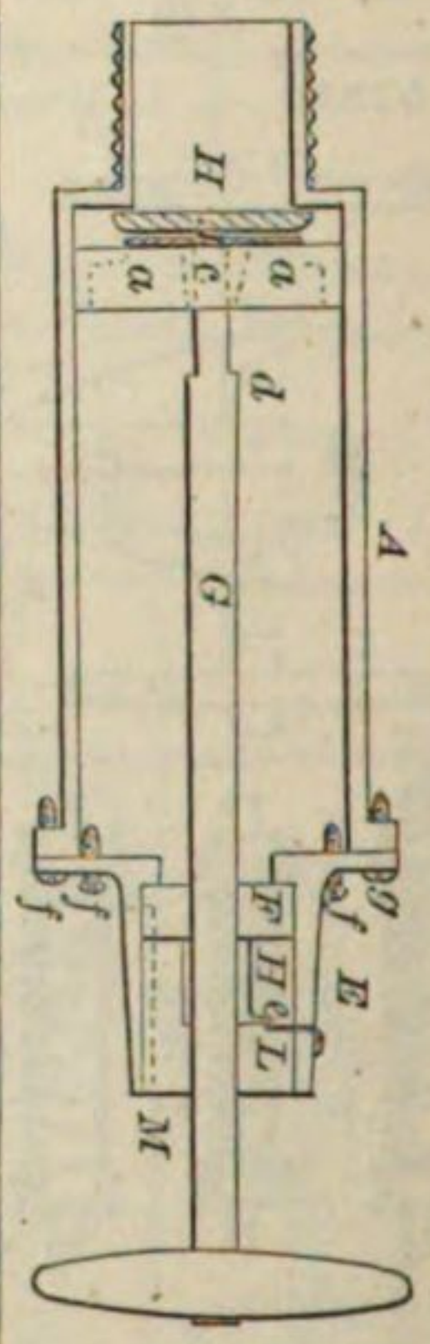
57817—Evans & Seymour—
Pruning Instrument.



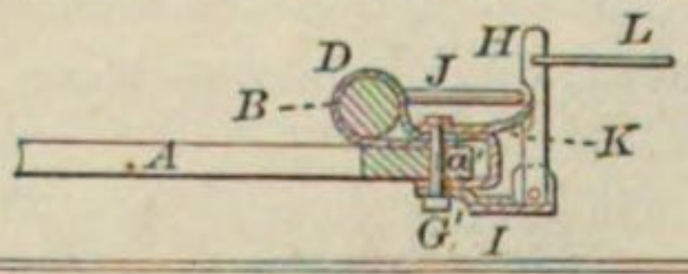
57815—Ballard & Magee—*Ditching Machine.*



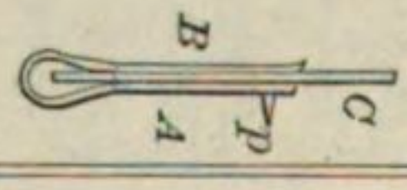
57818—J. Fahrney—*Faucet.*



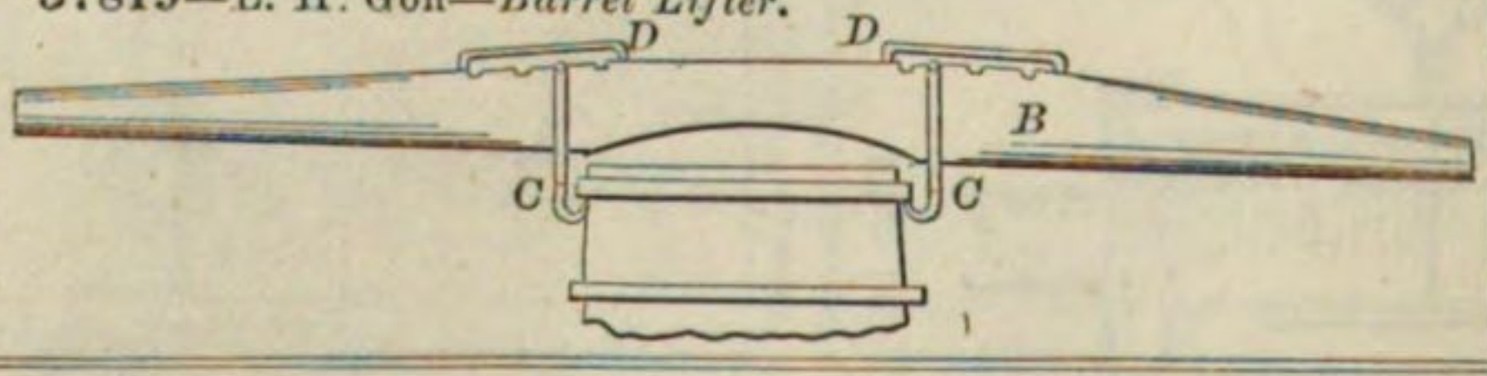
57820—W. A. Horrall—*Whiffletree.*



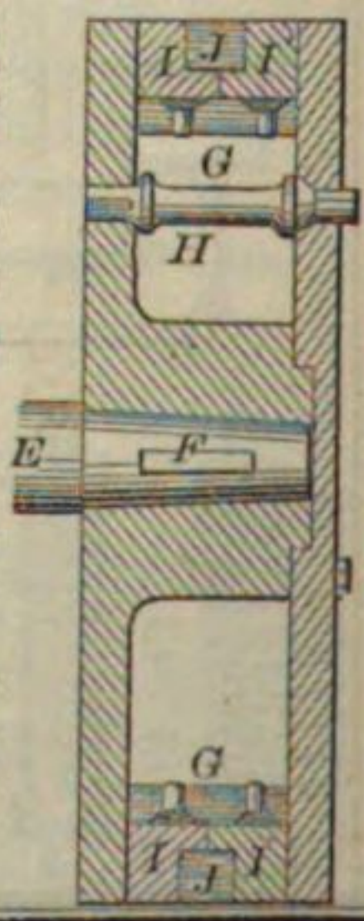
57821—C. M. Hyatt—*Neck Tie and Collar Clasp.*



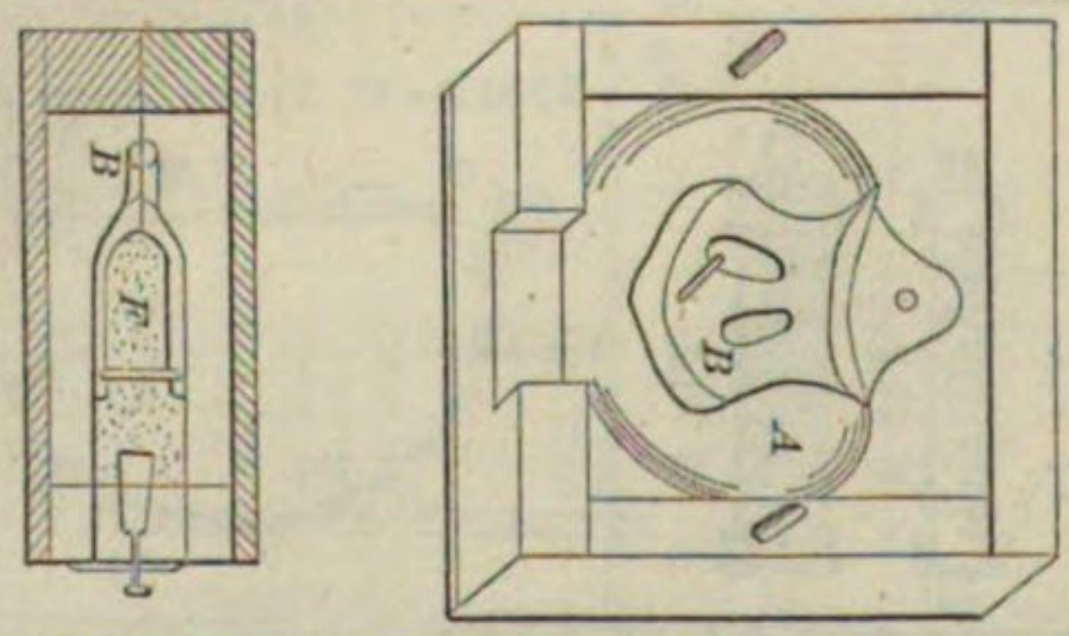
57819—L. H. Goff—*Barrel Lifter.*



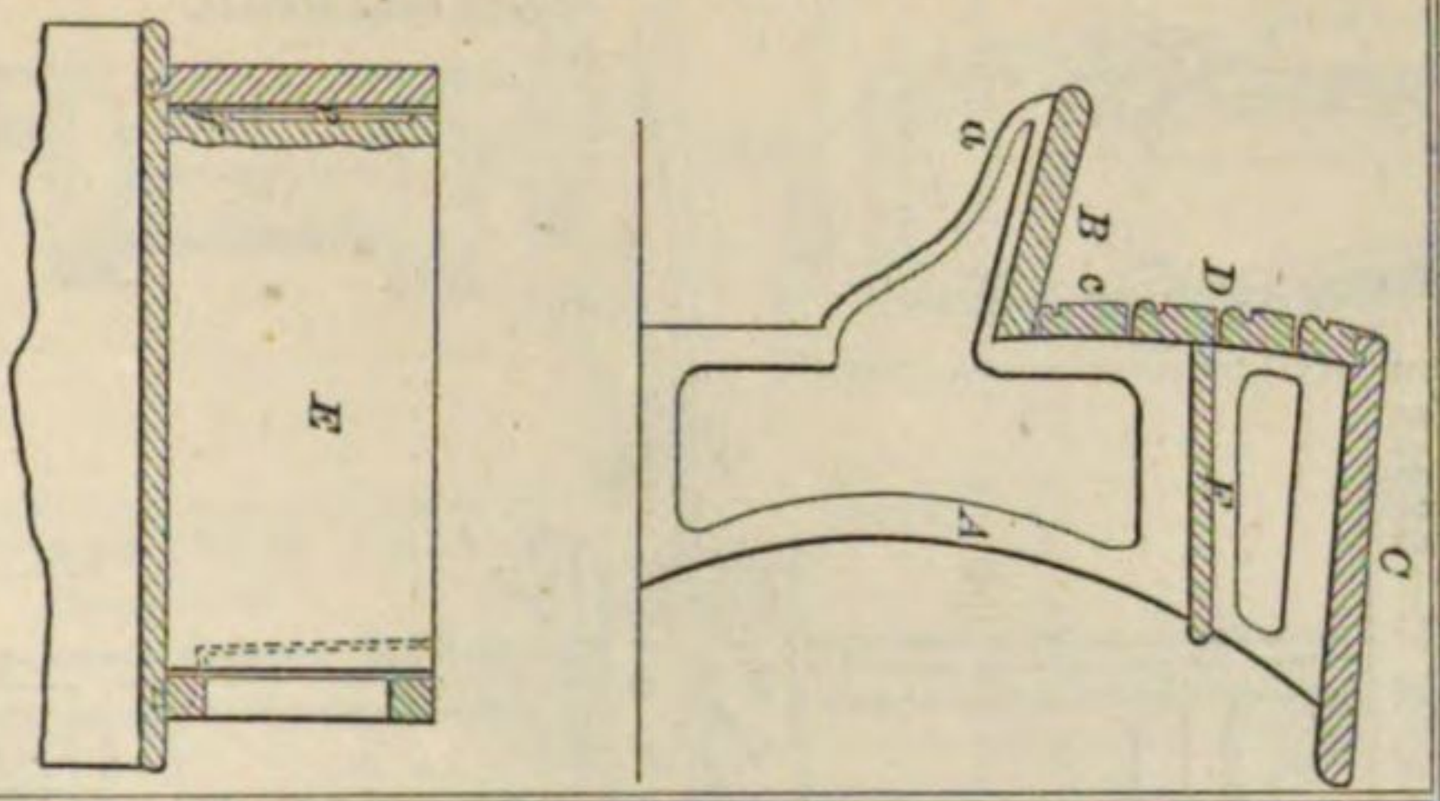
57823—M. B. Mason—*Steam Cylinder Piston.*



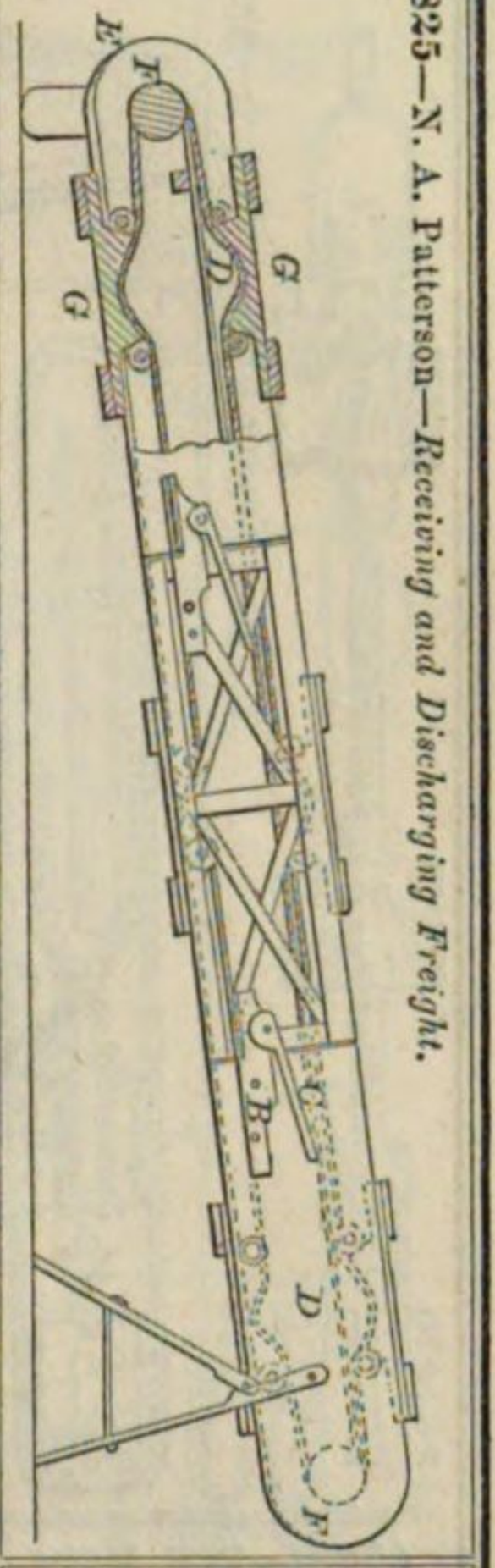
57822—A. King—
Moulding.



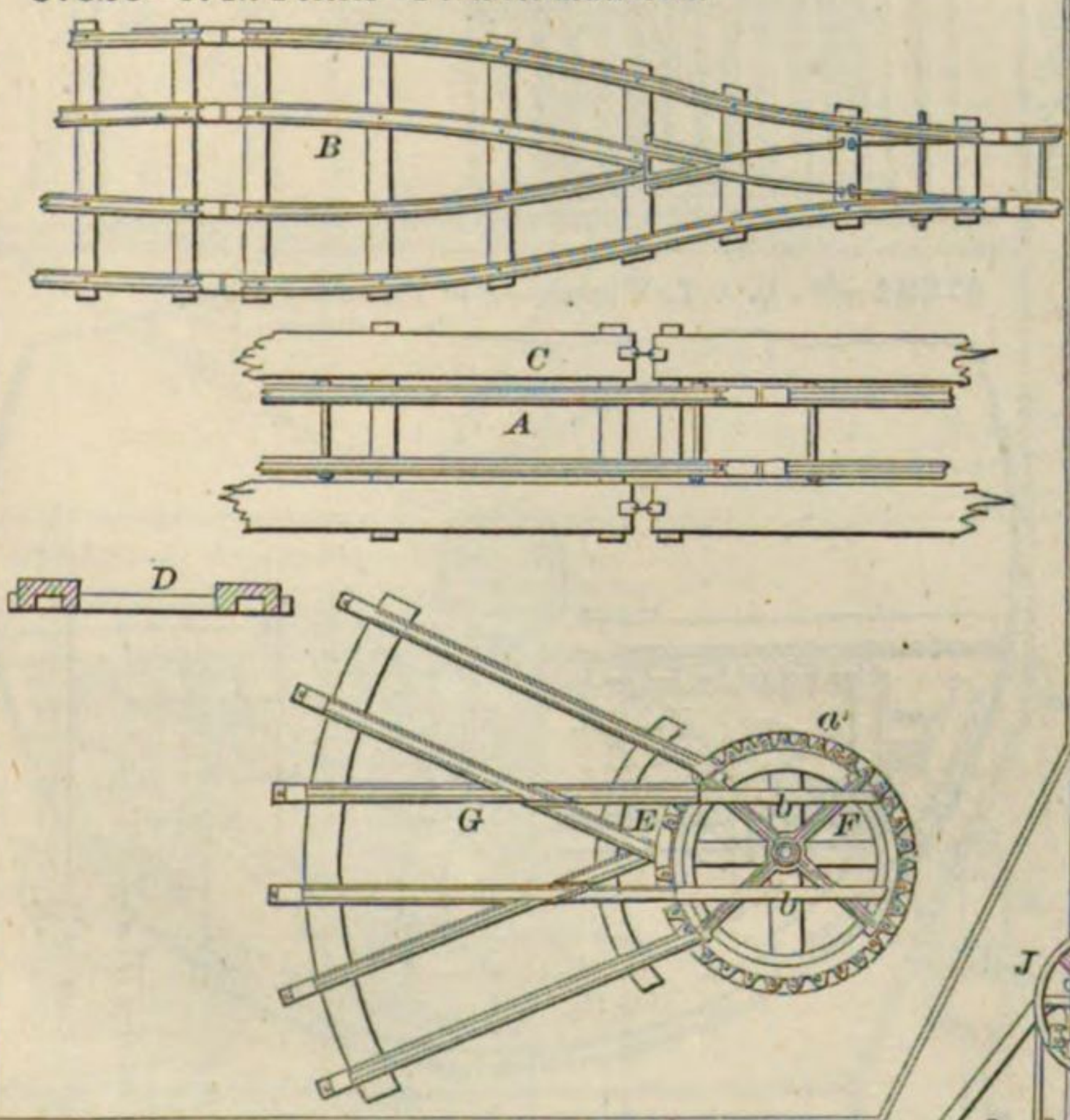
57824—G. Munger—*School Desk and Seat.*



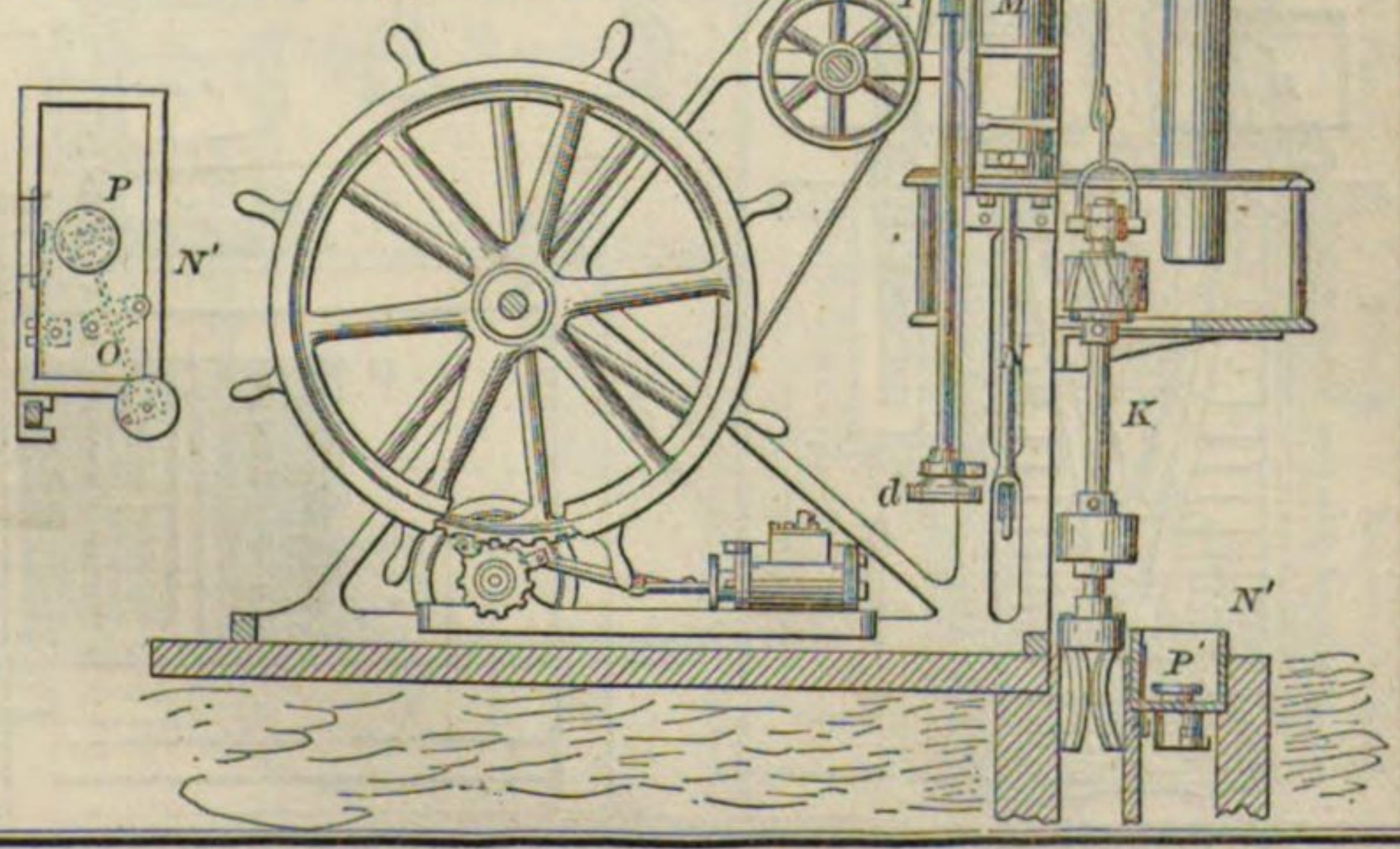
57825—N. A. Patterson—*Receiving and Discharging Freight.*



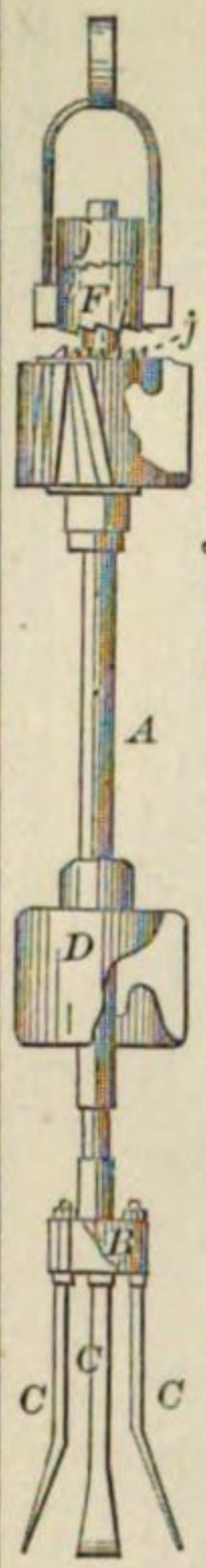
57826—J. N. Peteler—*Portable Railroad.*



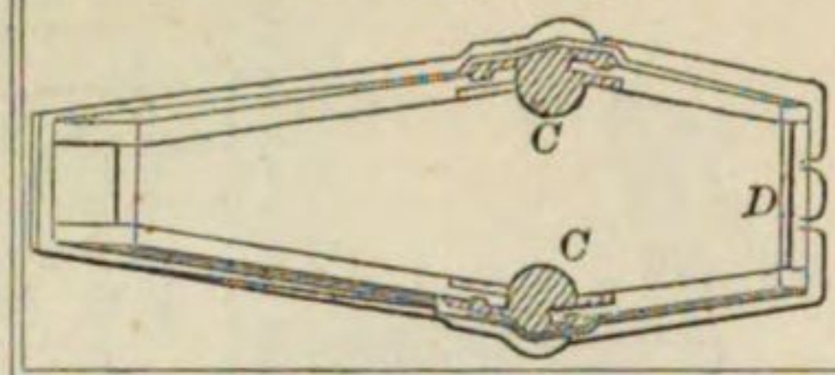
57827—C. Mather—*Well Boring Machine.*



57828—C. Mather—*Well Boring Drill.*

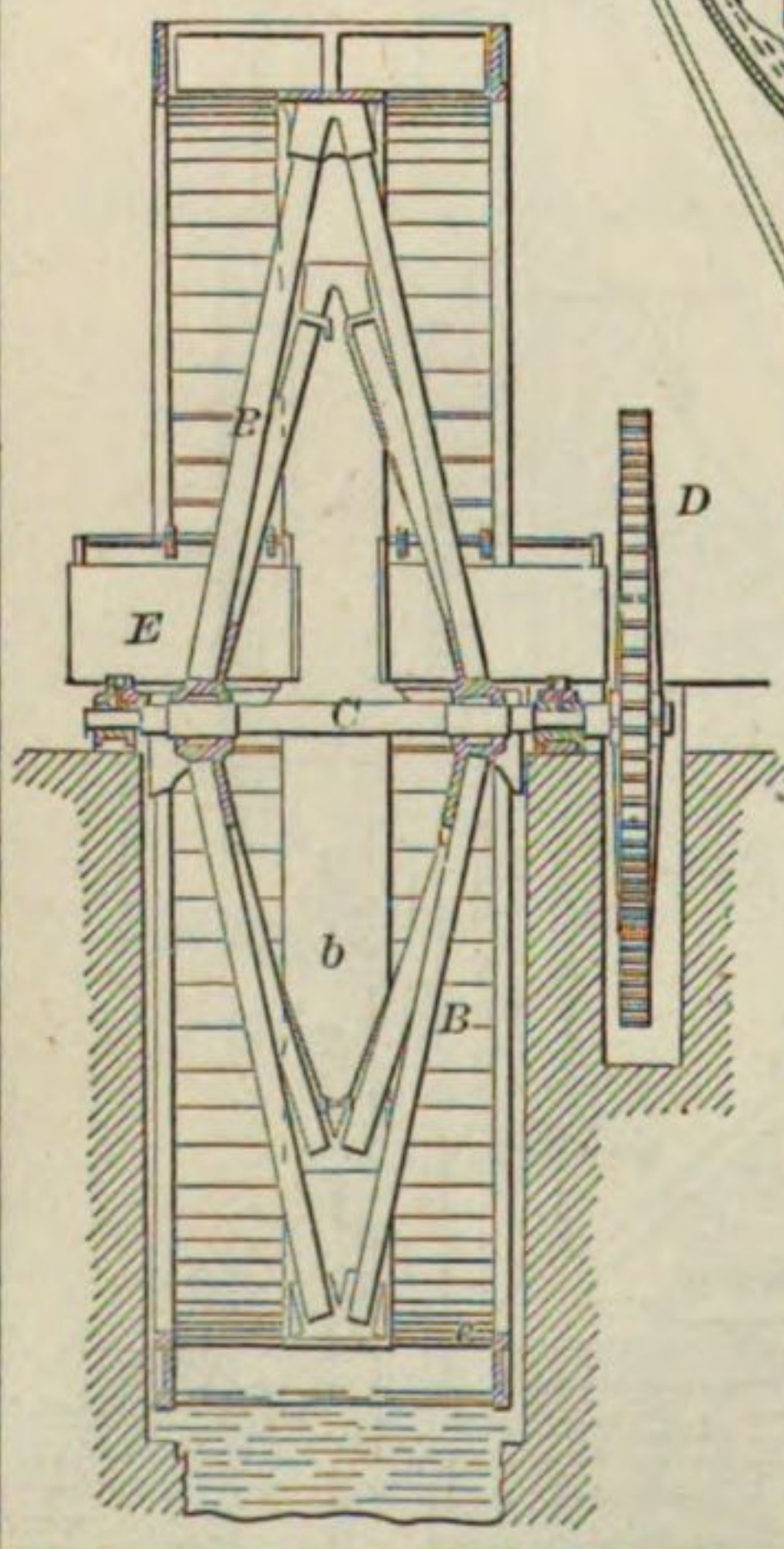


57829—J. A. Fogg—*Coffin.*

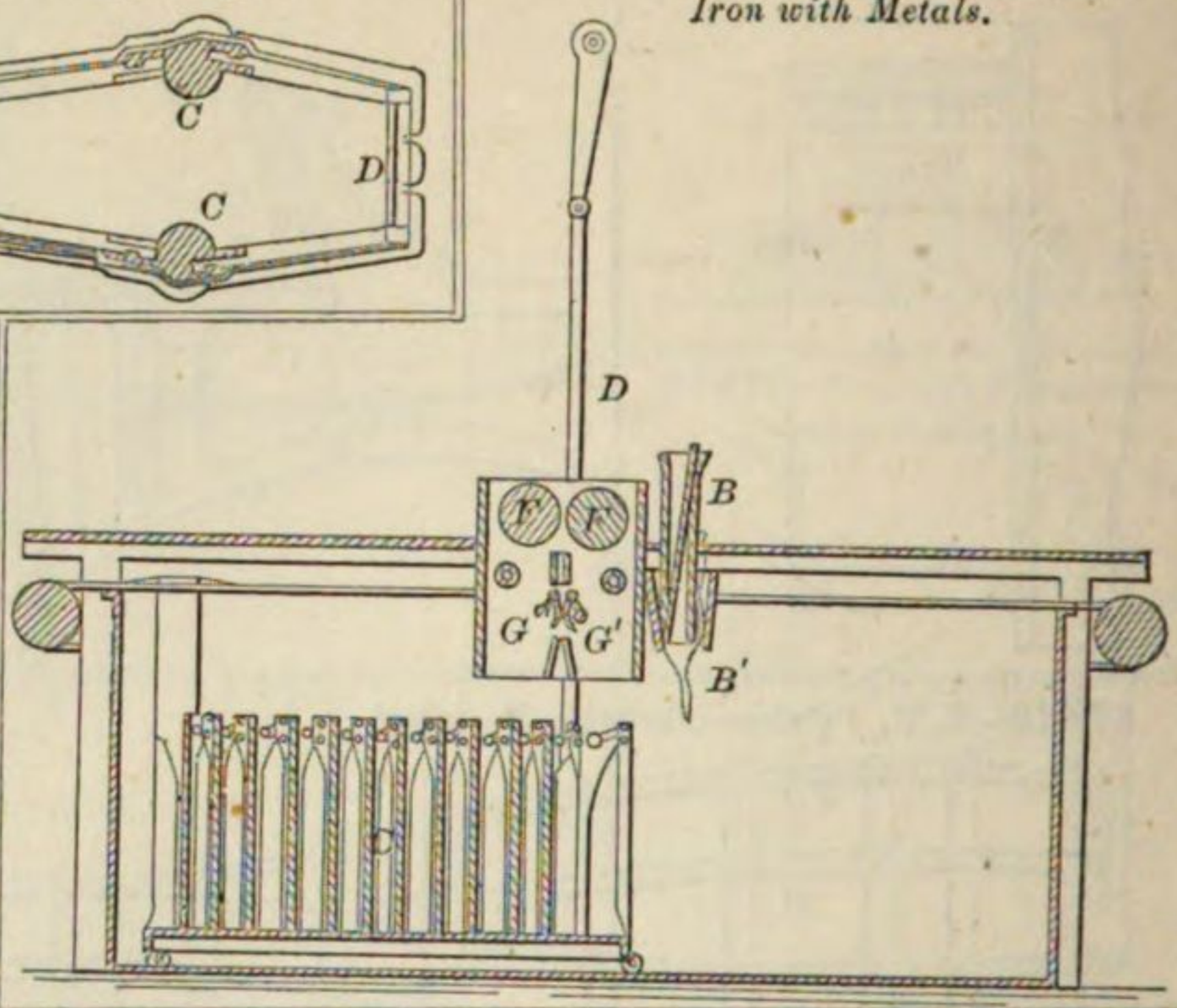


57830—C. Mather—*Sand Pump.*

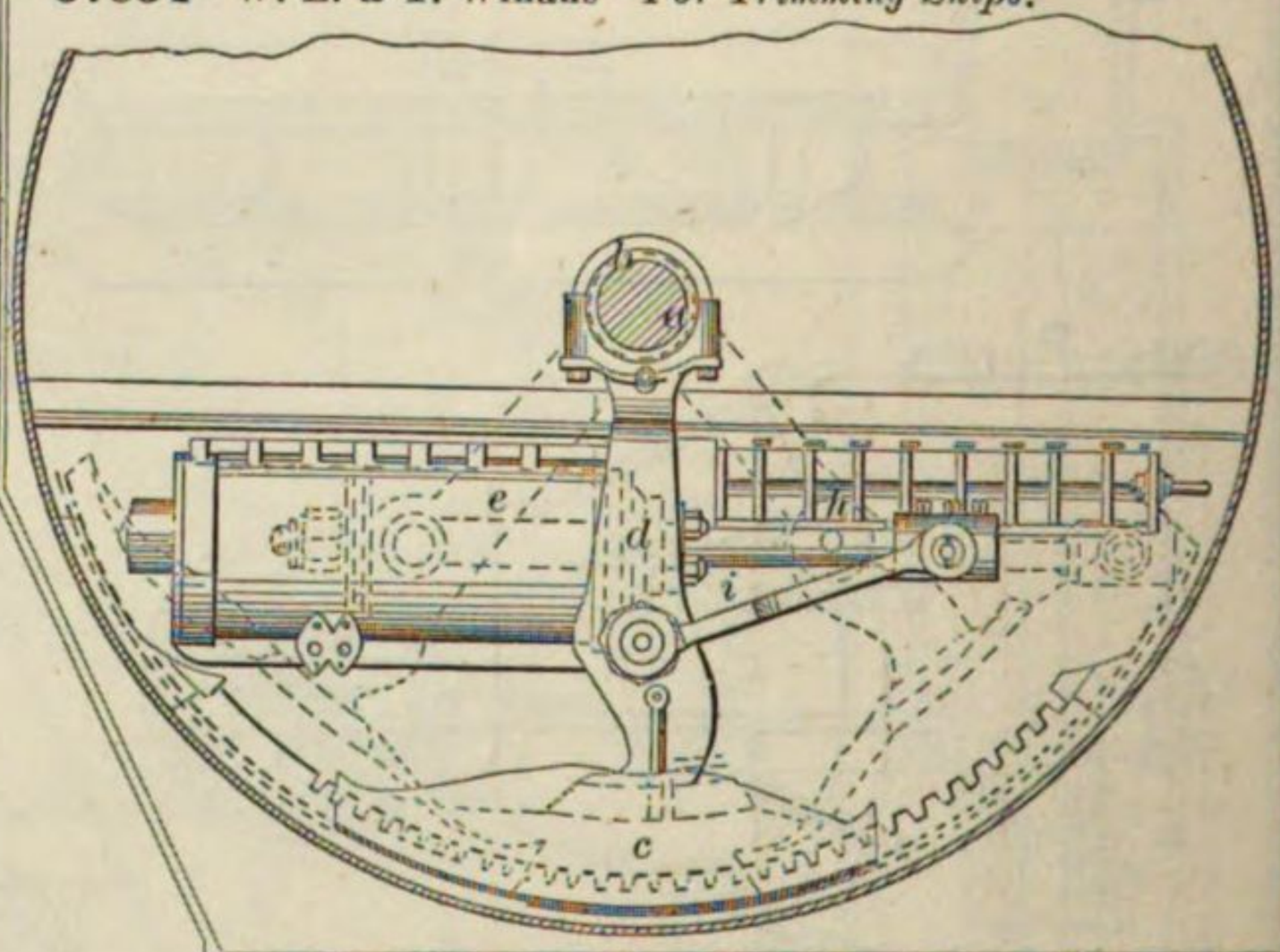
57831—P. F. Millot—*Water Wheel.*



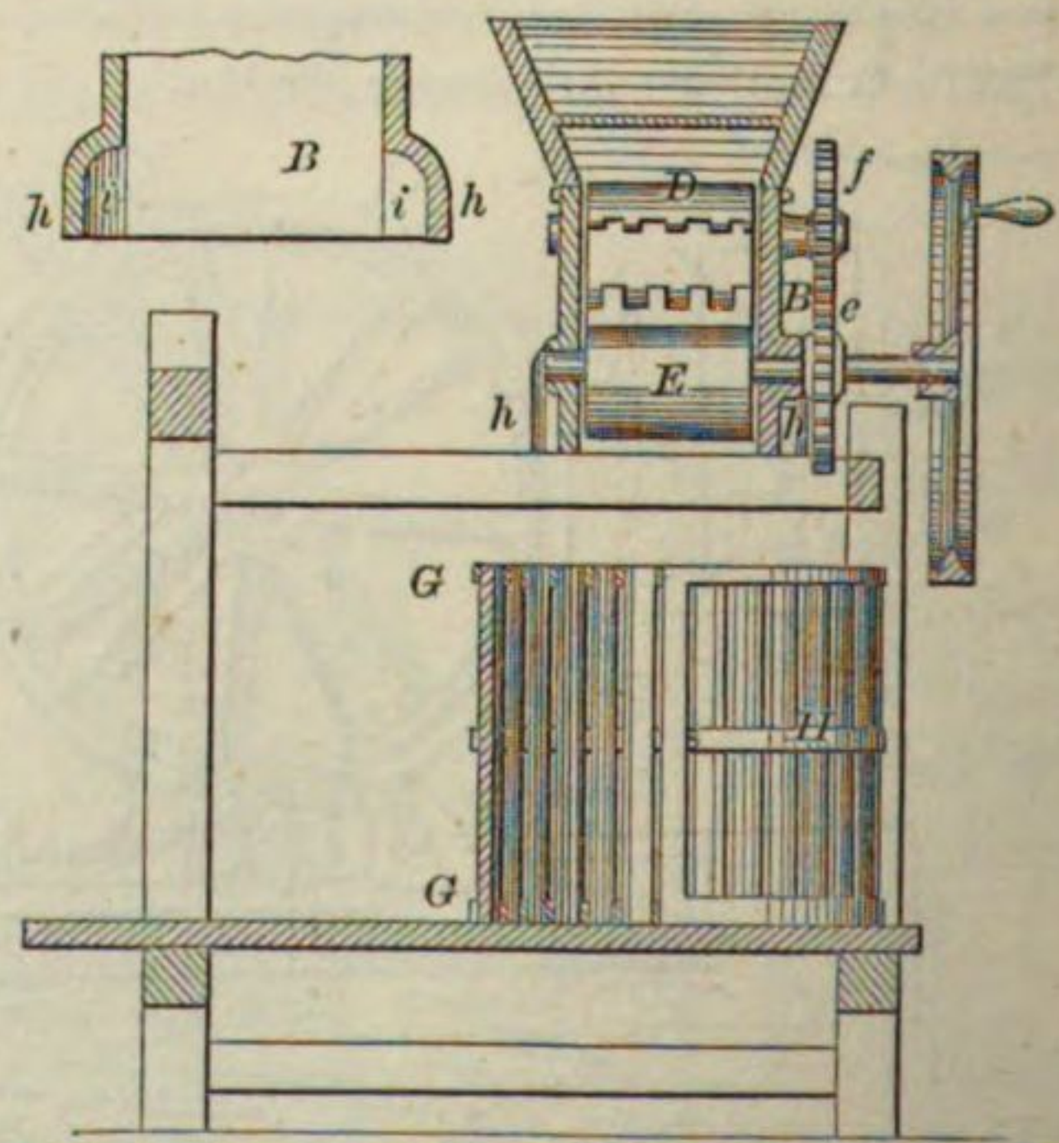
57832—E. Morewood—*Coating Sheet Iron with Metals.*



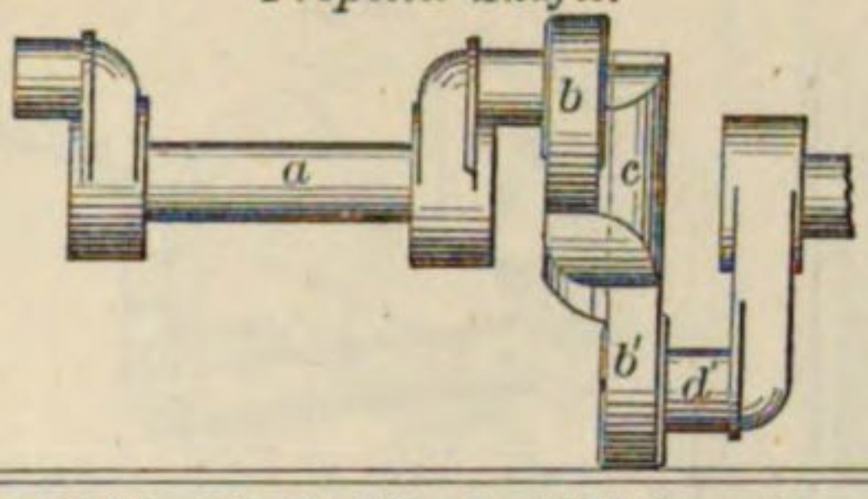
57834—W. L. & T. Winans—*For Trimming Ships.*



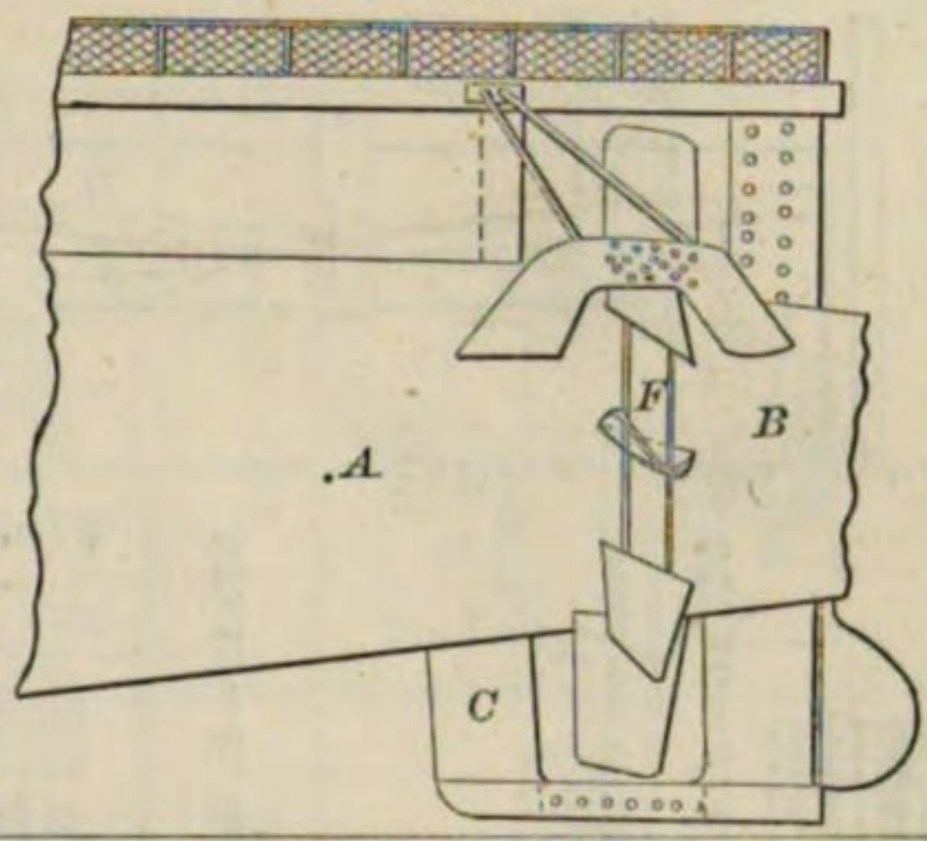
57833—H. Sells—*Cider Mill.*



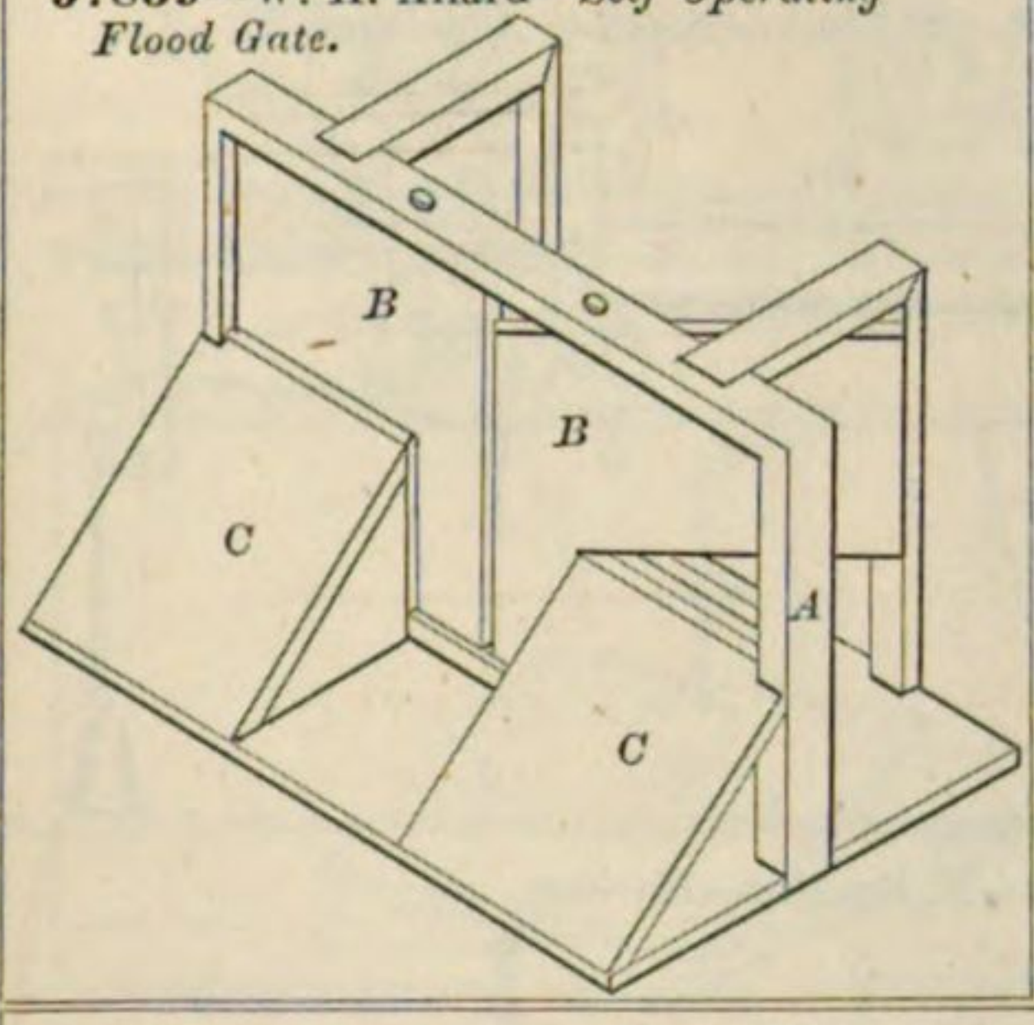
57835—W. L. & T. Winans—*Coupling for Propeller Shafts.*



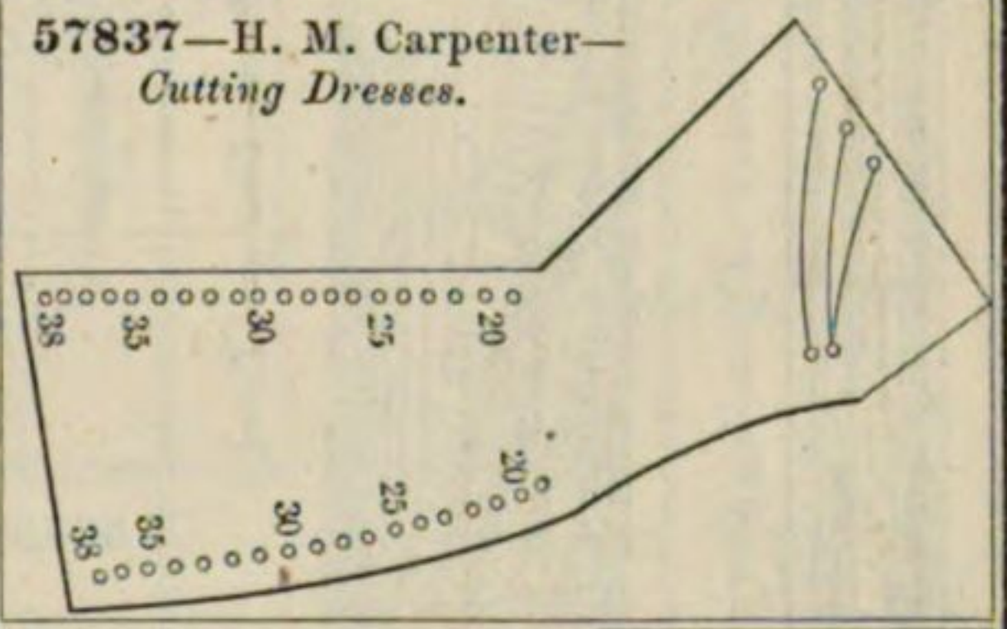
57836—W. L. & T. Winans—*Propeller for Spindle Shaped Ships.*



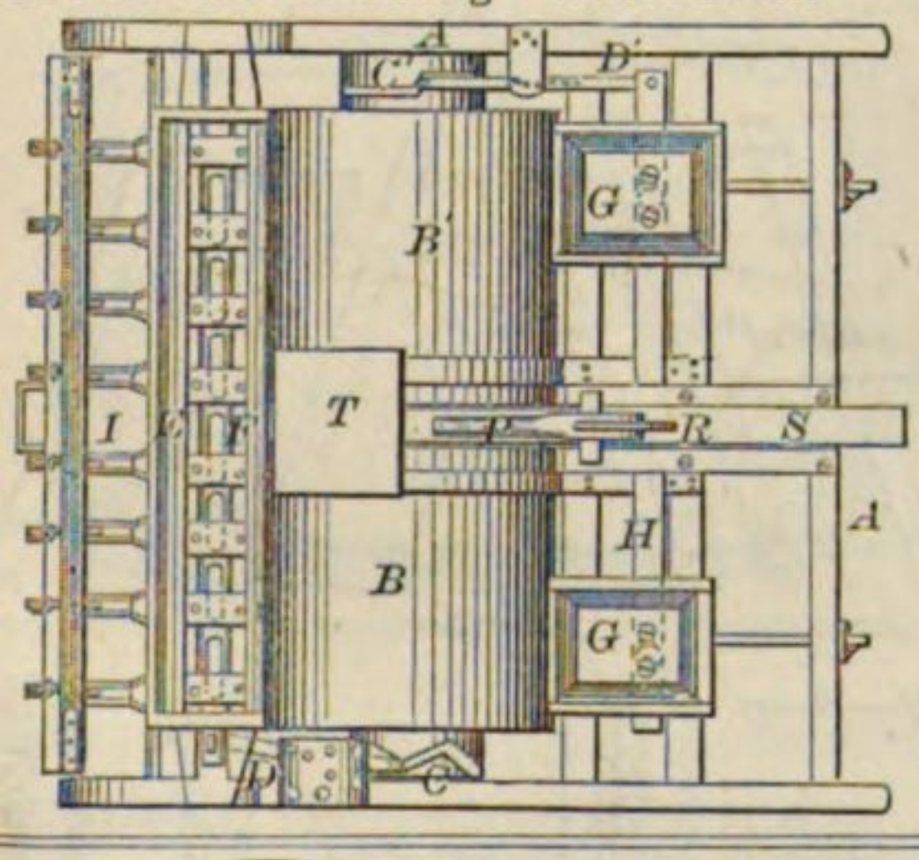
57839—W. H. Allard—*Self Operating Flood Gate.*

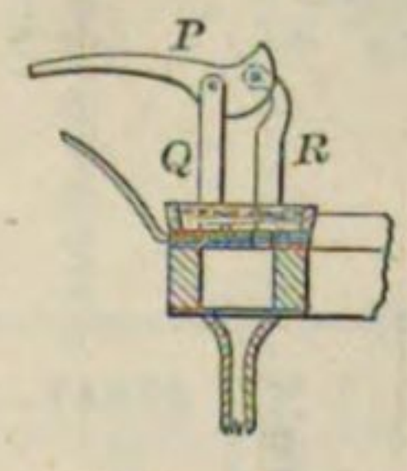


57837—H. M. Carpenter—*Cutting Dresses.*



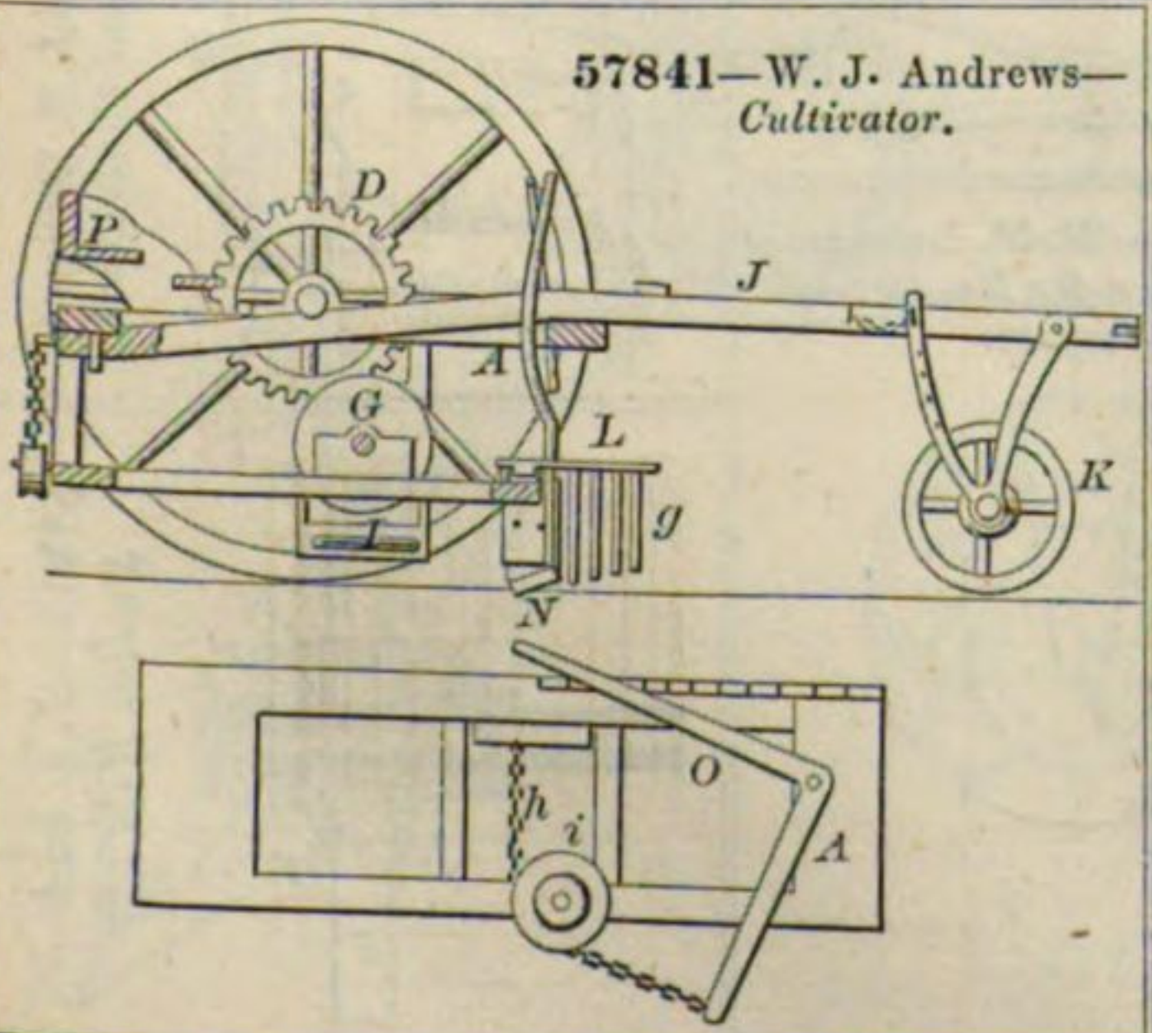
57842—A. Armstrong—*Wheat Drill.*



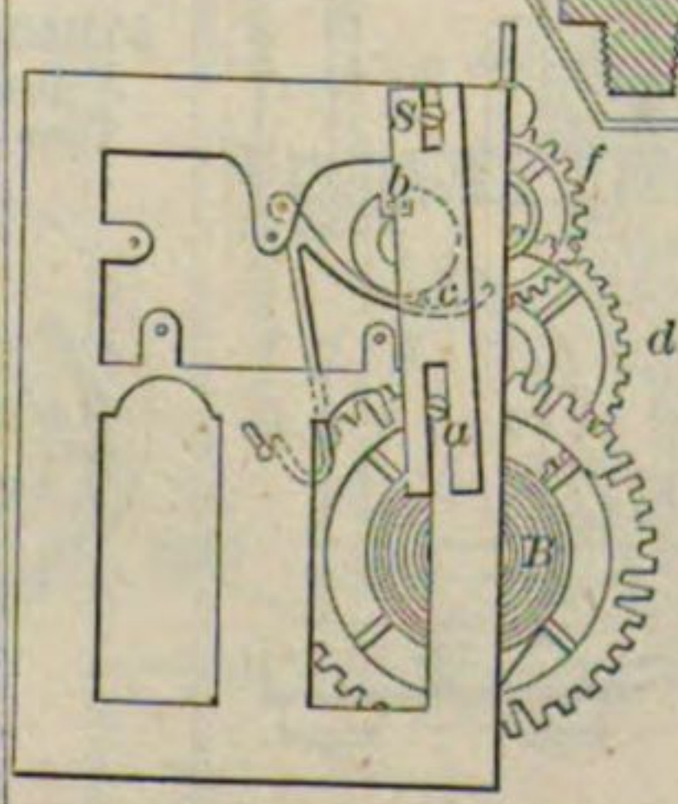


57840—R. N. Allen—*Piston for Deep Well Pumps.*

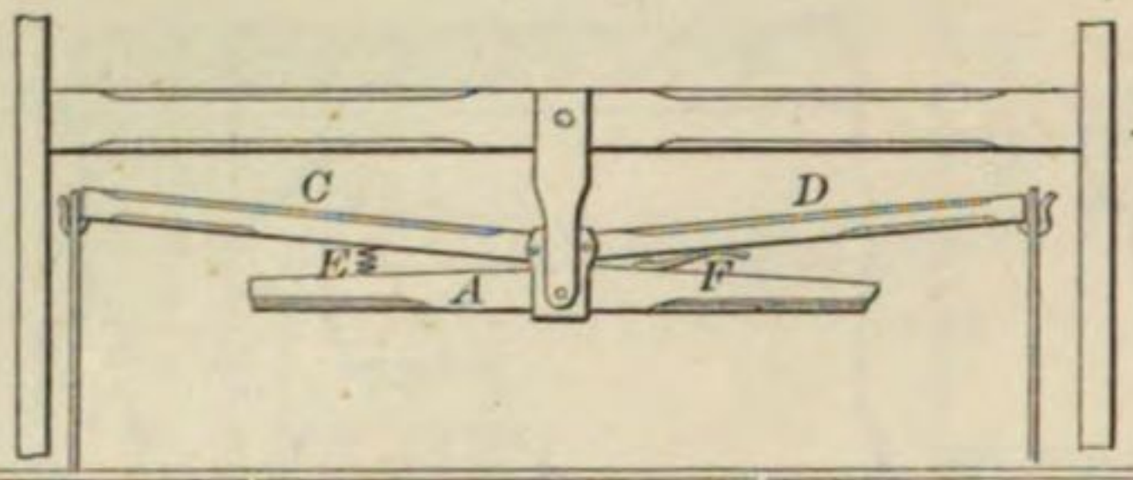
57841—W. J. Andrews—*Cultivator.*



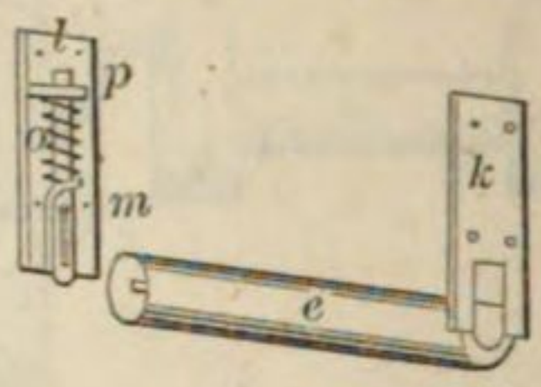
57843—B. Bacon—*Striking Works for Clocks.*



57844—F. A. Balch—*Whiffletree.*



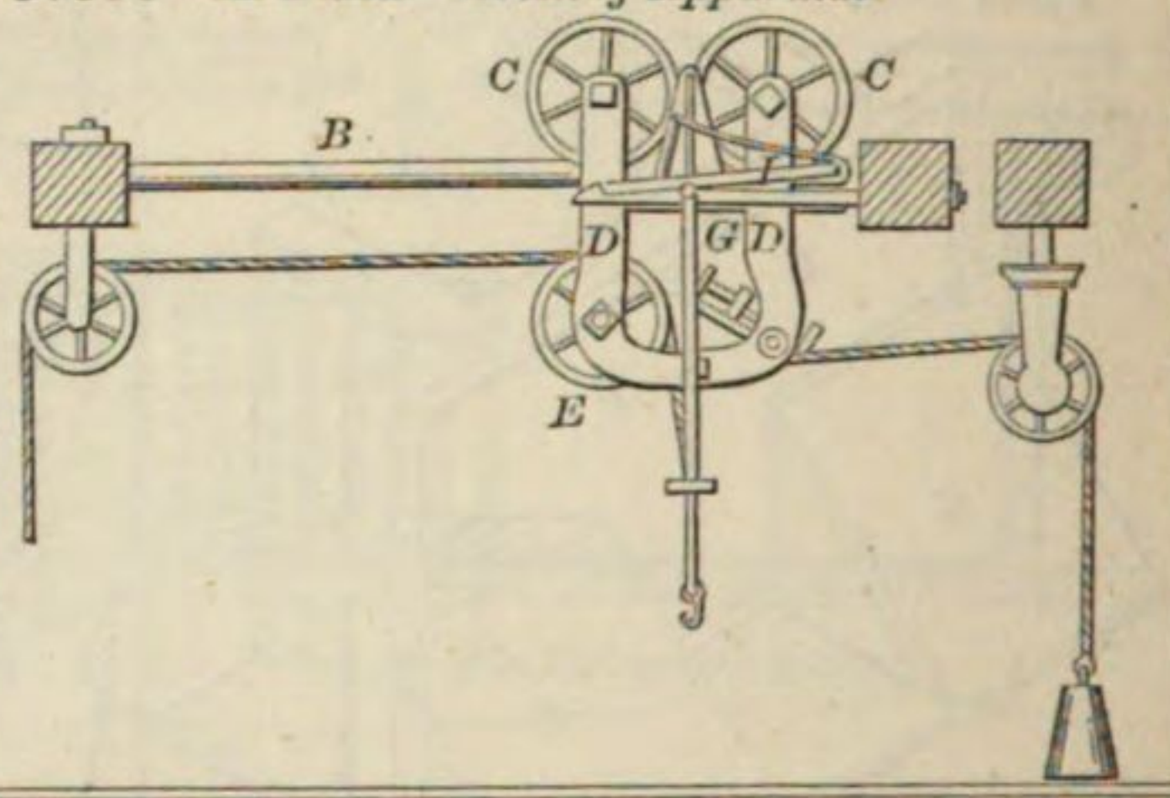
57845—R. Bartley—*Weather Strip.*



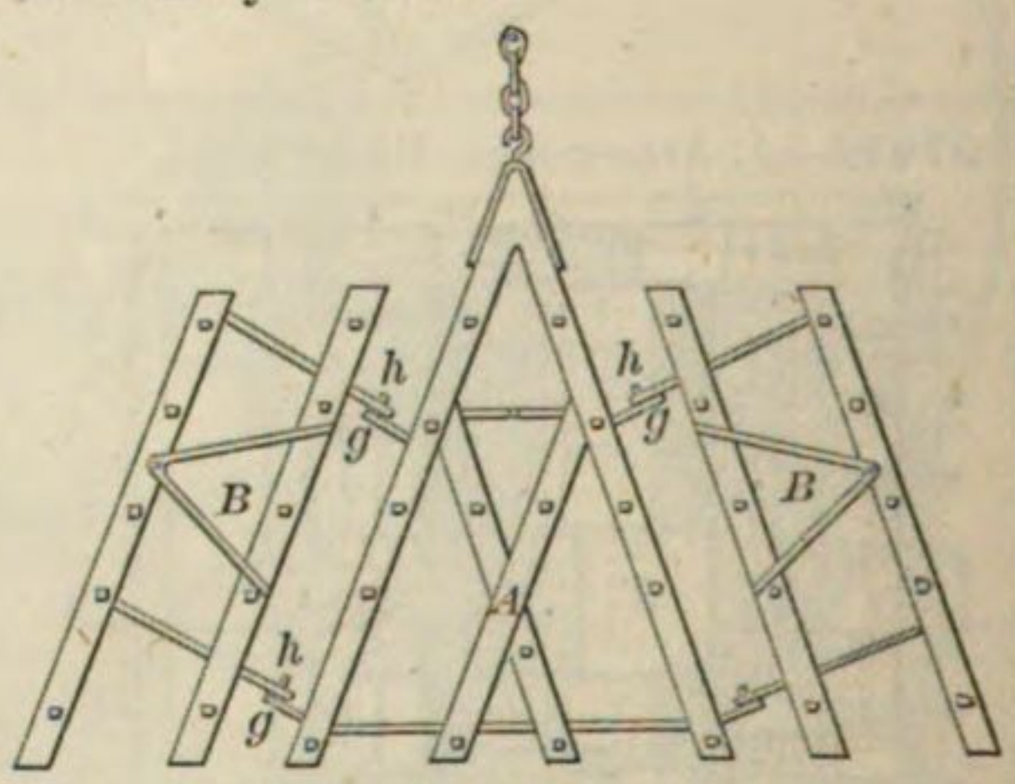
57846—A. L. Bausman—*Expanding Scraper for Cleaning Gun Barrels.*

57852—B. Britten—*Dam and Level.*

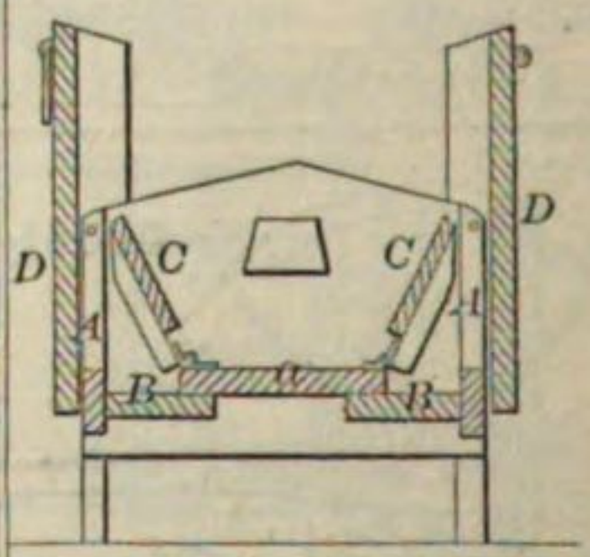
57850—H. Black—*Hoisting Apparatus.*



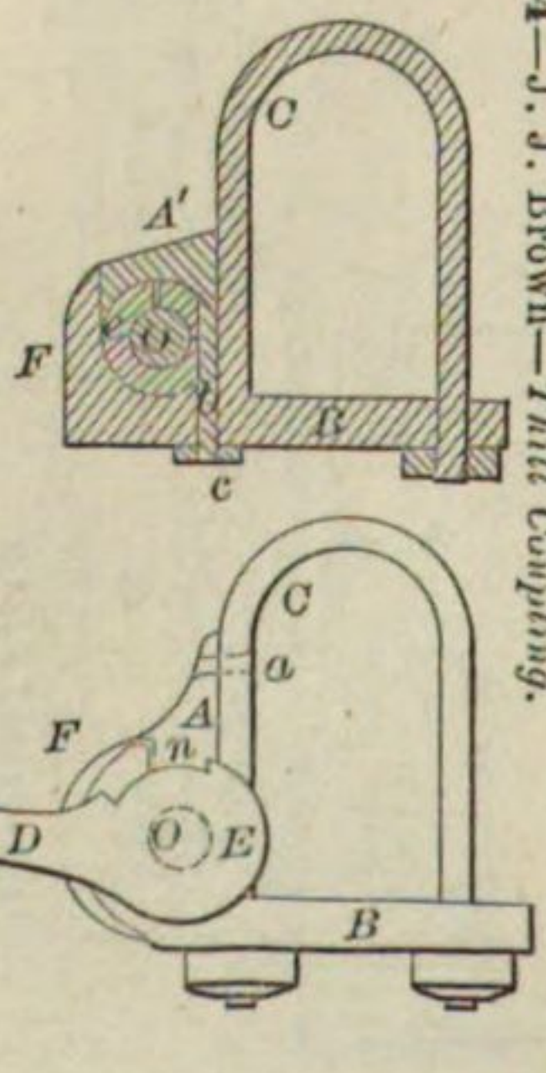
57851—E. Bradley—*Harrow.*



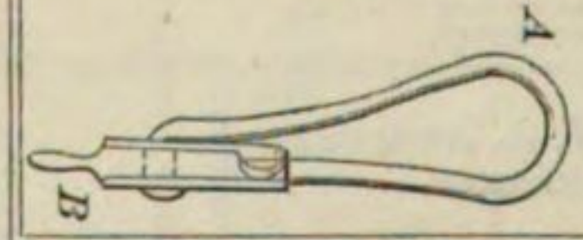
57853—J. B. Brown—*Sheep and Cattle Rack.*



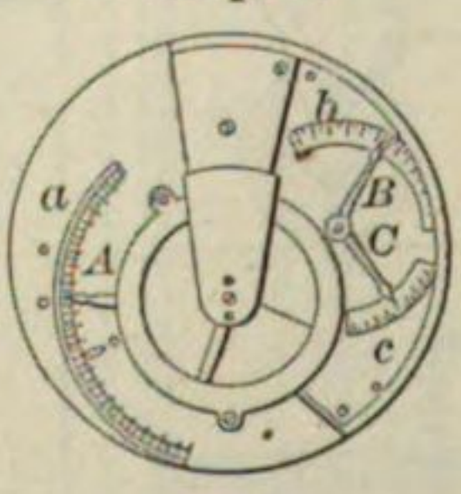
57854—J. J. Brown—*Thill Coupling.*



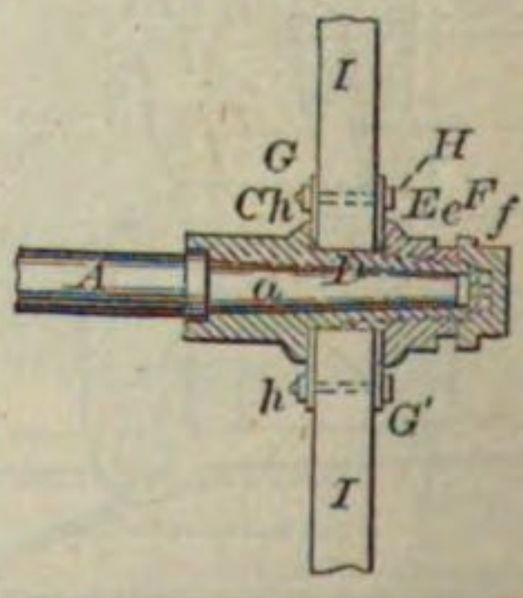
57847—F. Beals—*Snap Hook.*



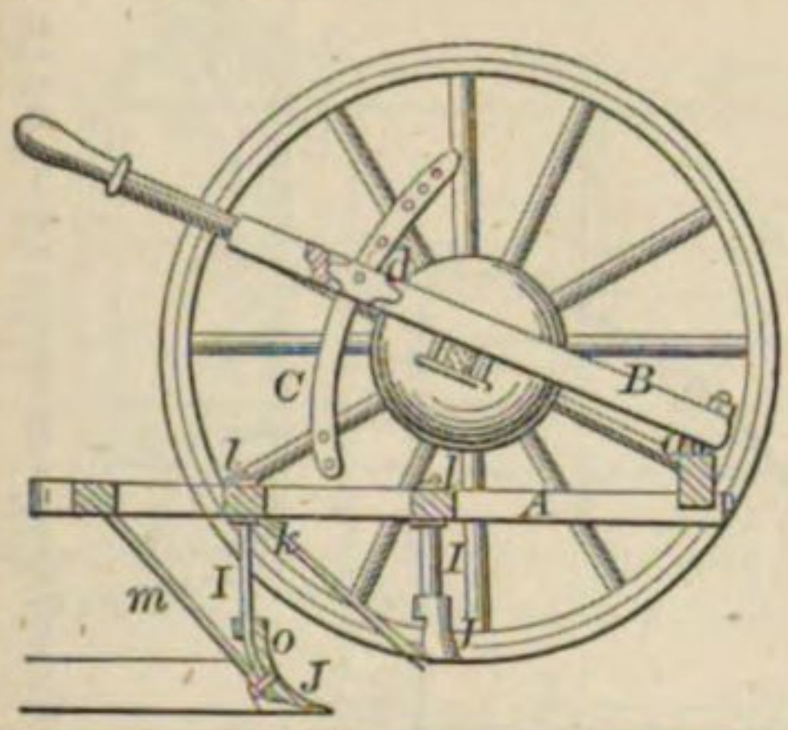
57848—W. M. Beeman—*Register for Regulating Time Keepers.*



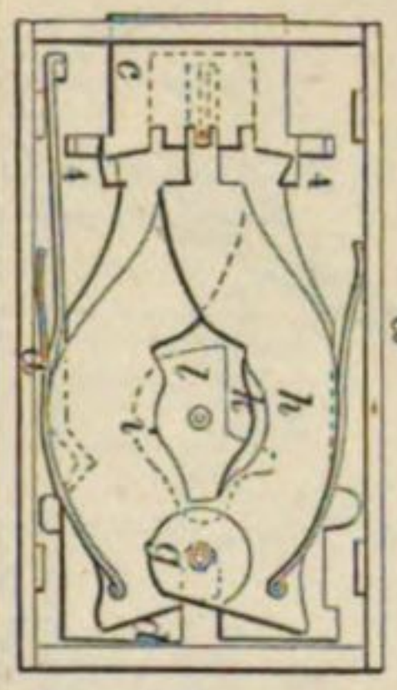
57855—H. B. Buch—*Metallic Hub.*



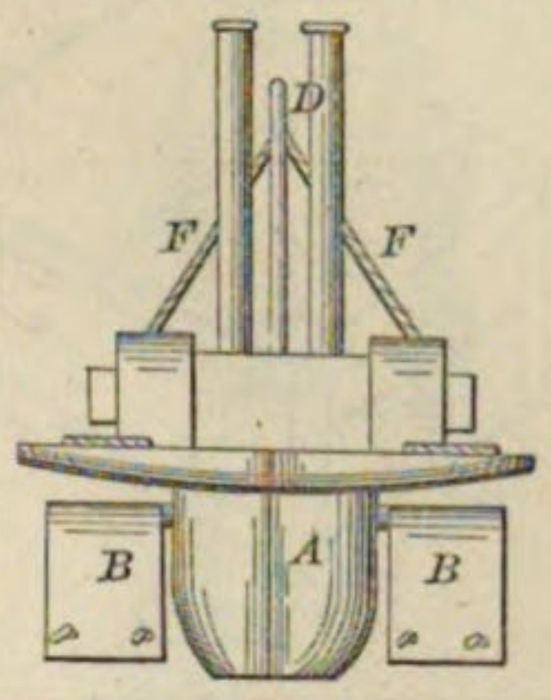
57856—M. H. Bucknall—*Cultivator.*



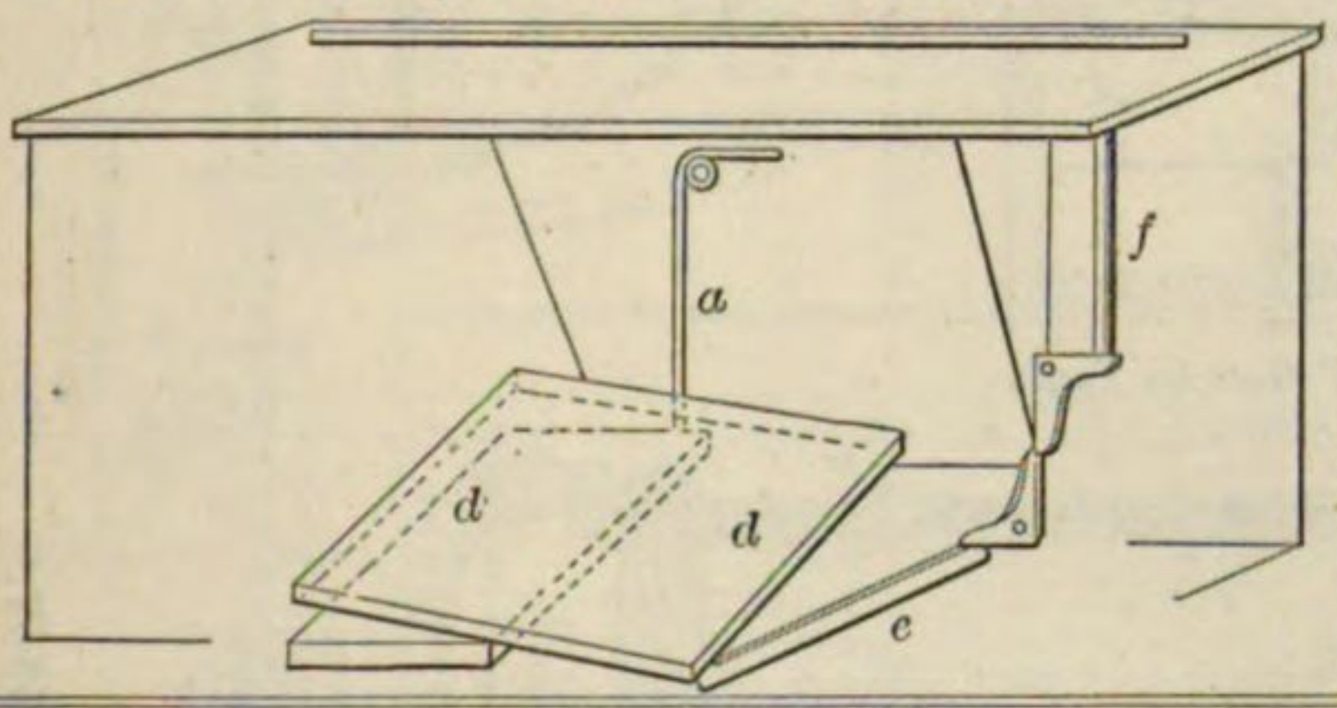
57857—R. B. Burchell—*Lock.*



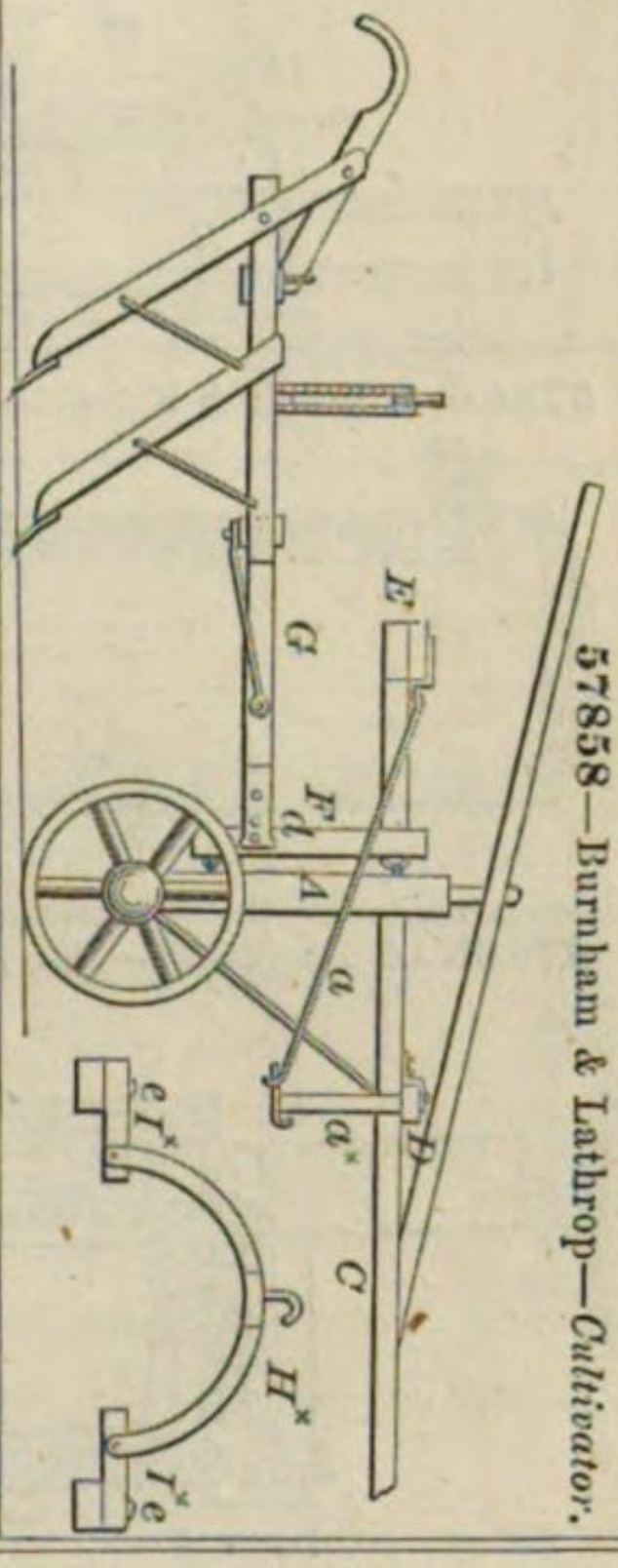
57859—T. Byrne—*Dredging Machine.*



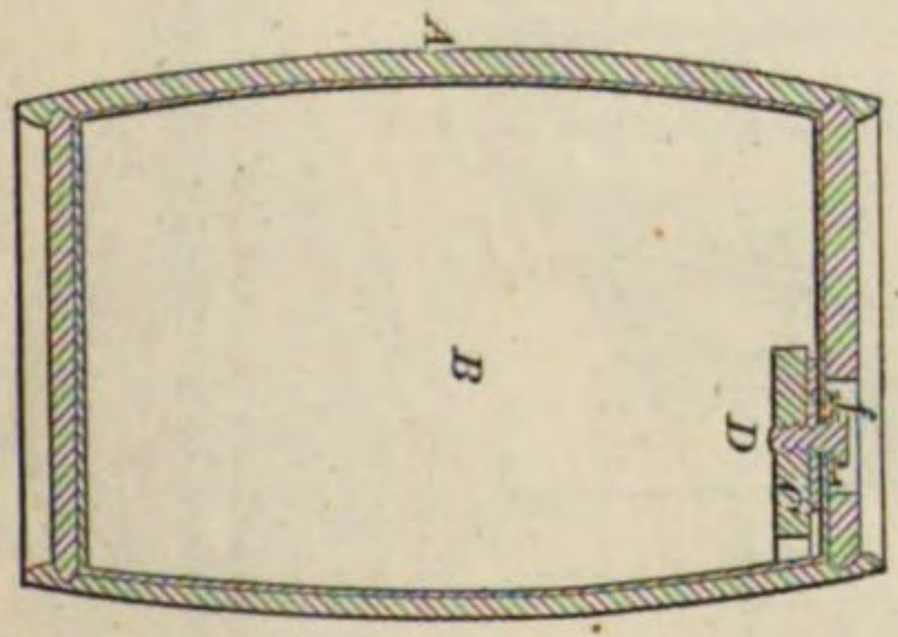
57861—R. W. Carpenter—*Musical Instrument.*



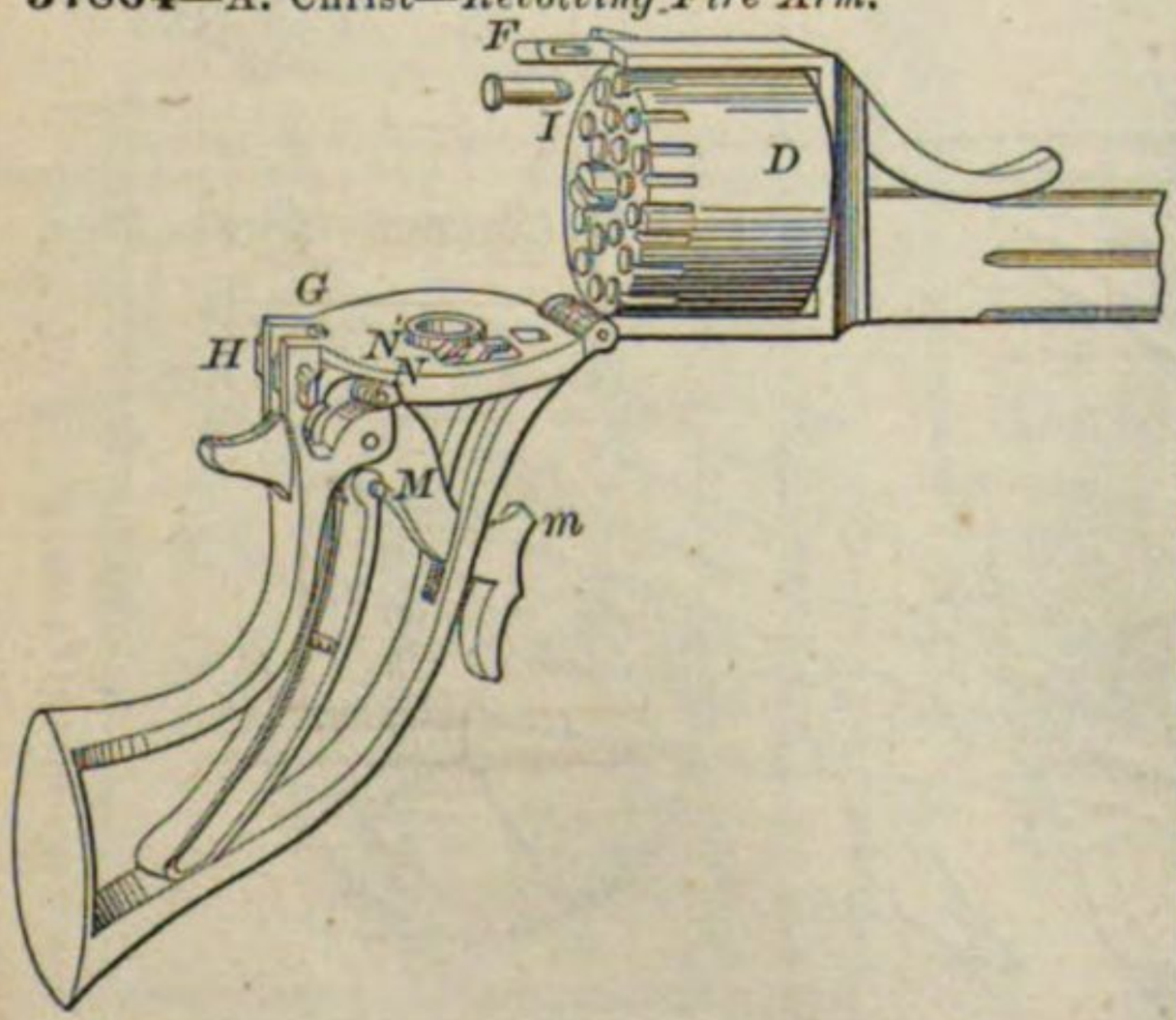
57858—Burnham & Lathrop—*Cultivator.*



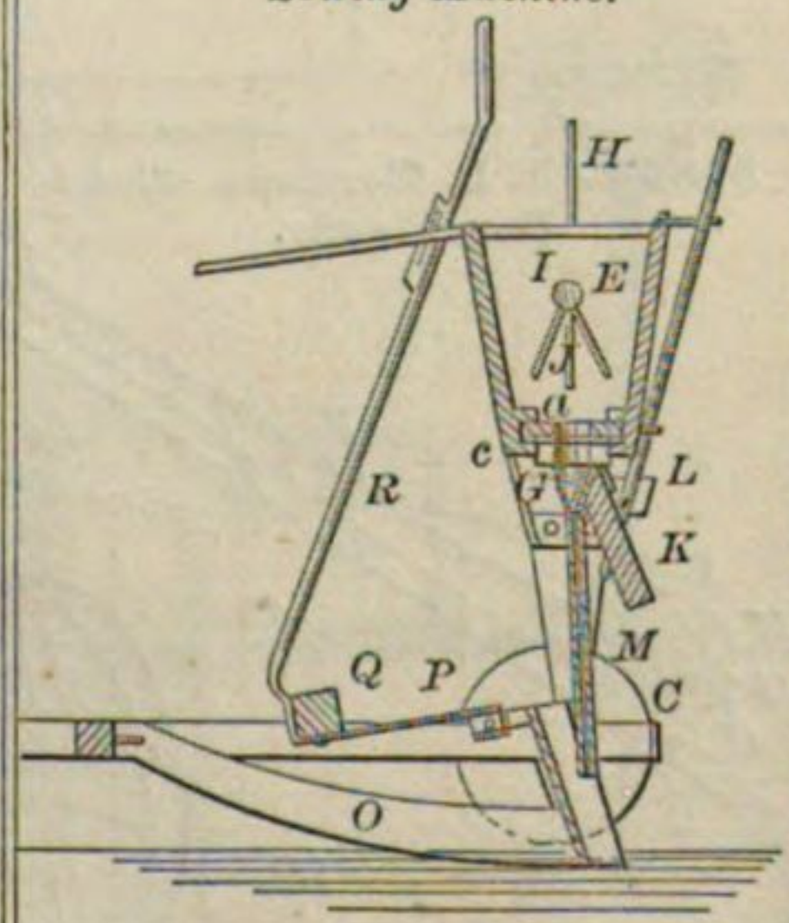
57863—C. H. Carver—*Barrel or Cask.*



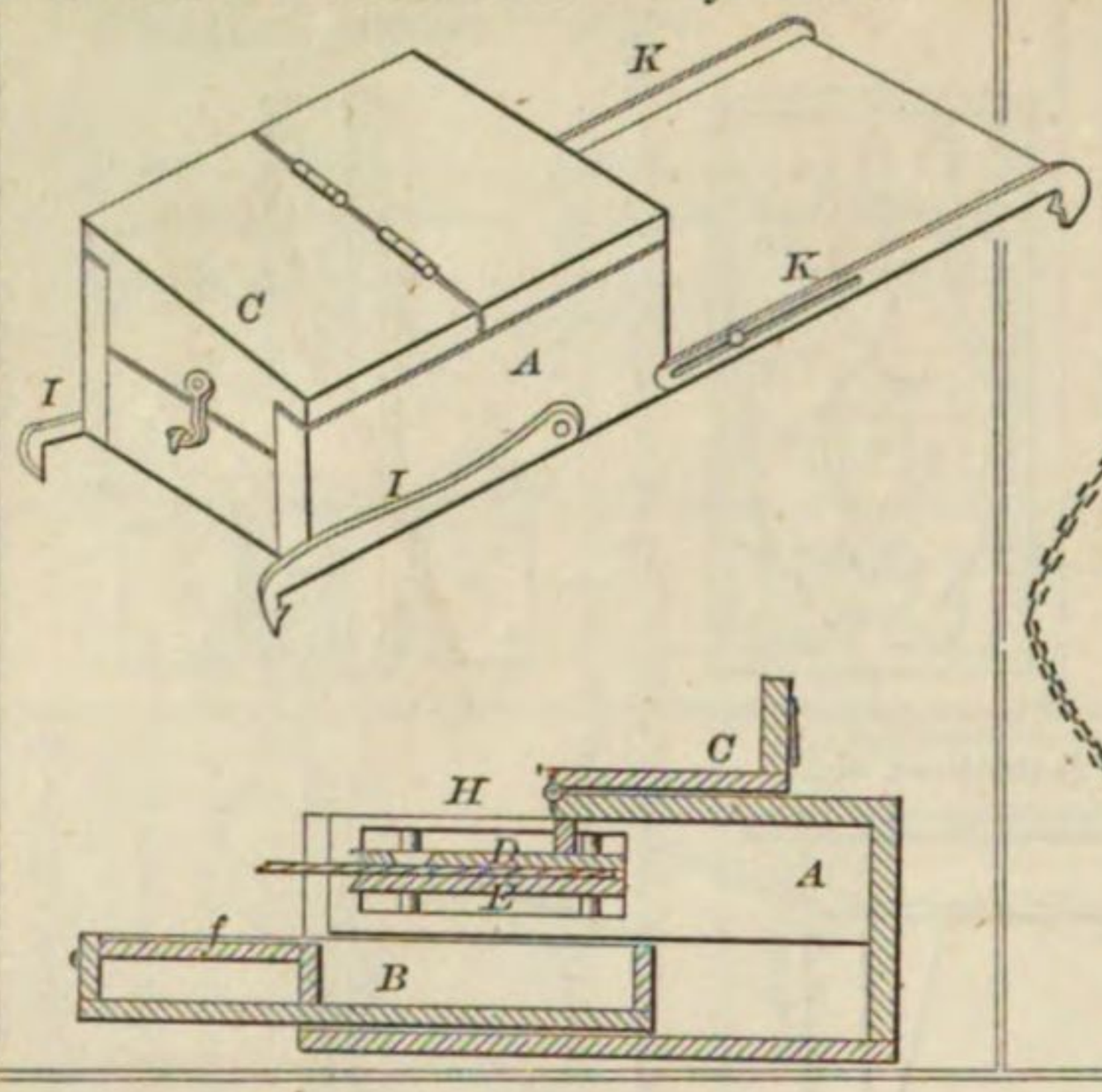
57864—A. Christ—*Revolving Fire Arm.*



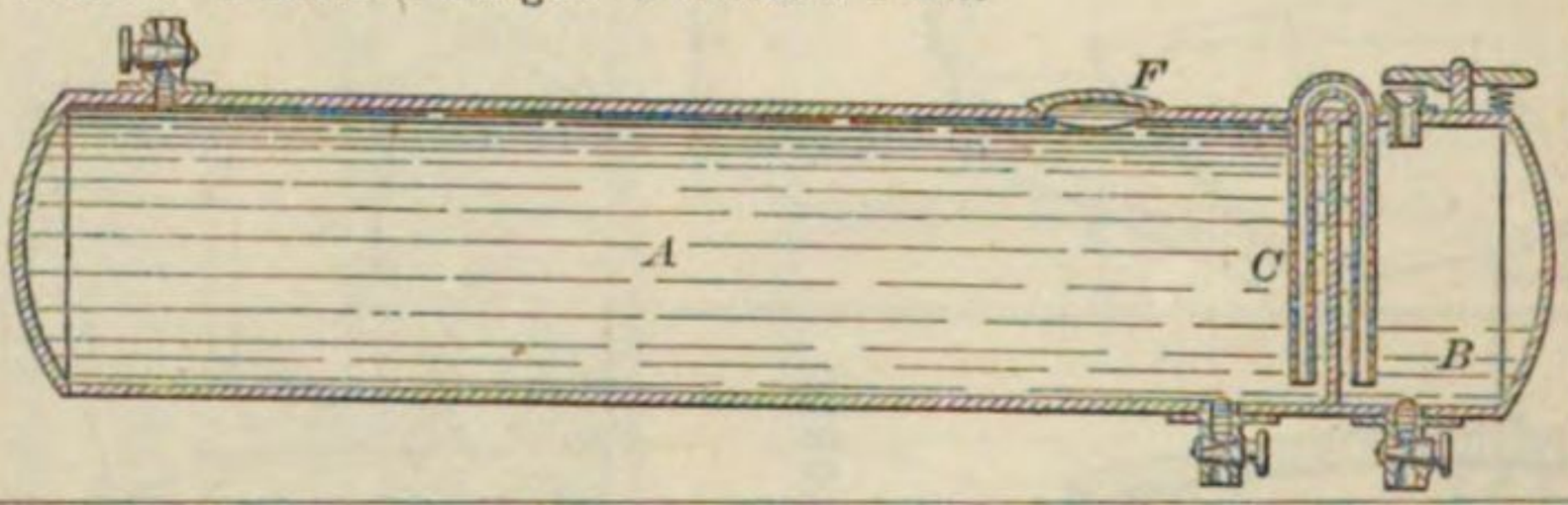
57862—C. C. Carter—*Wheat Sowing Machine.*



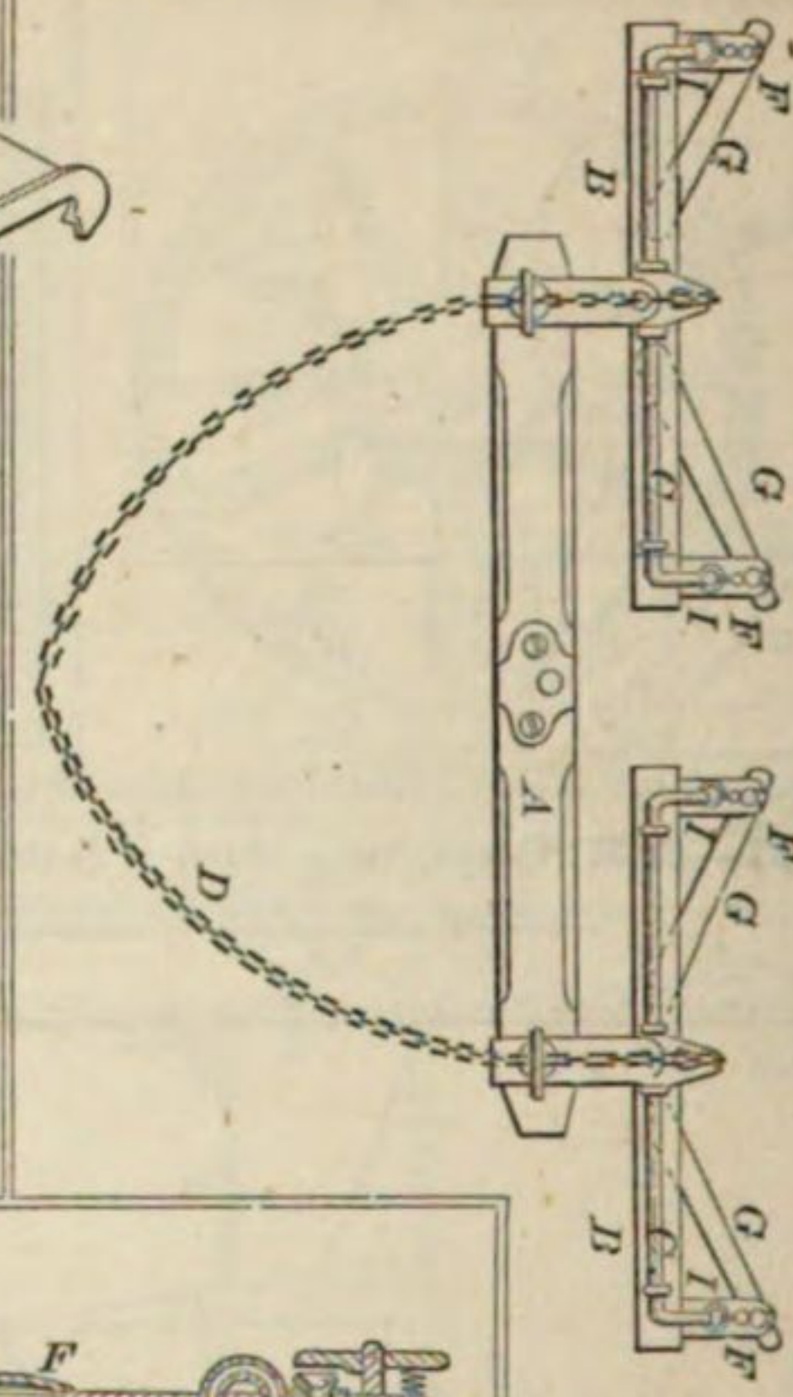
57865—Christian & Morrow—*Knife Cleaner.*



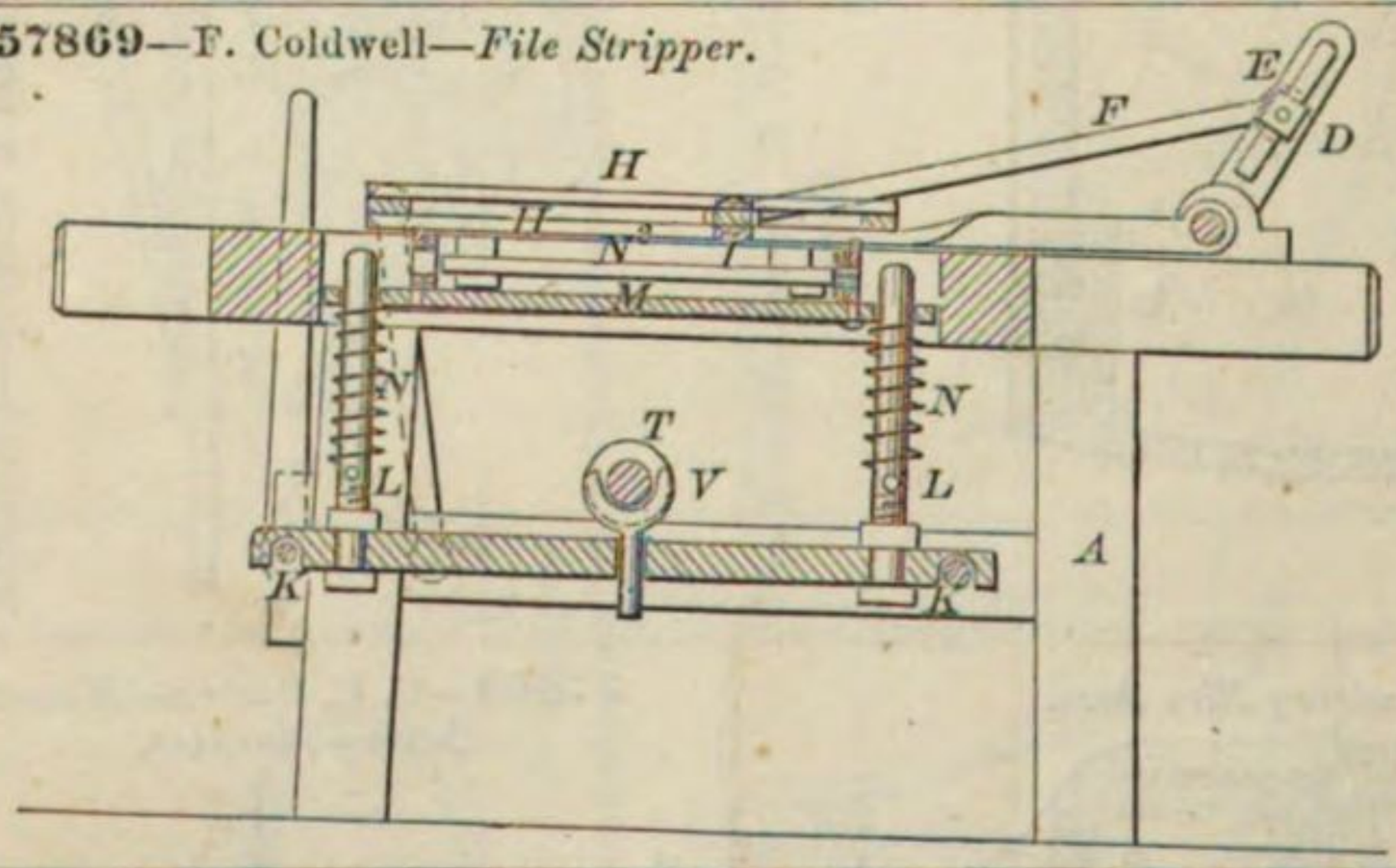
57866—Church & Knight—*Petroleum Tank.*



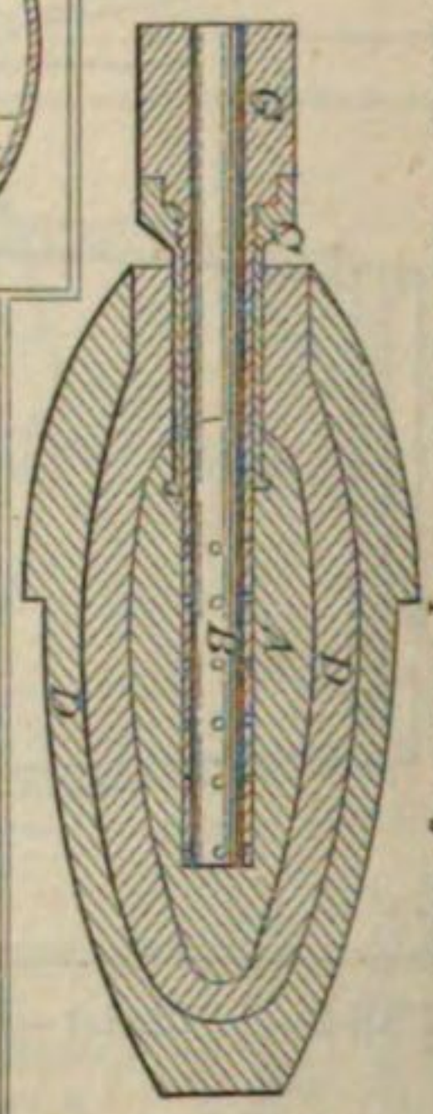
57867—F. Clemens—*Whiffletree.*



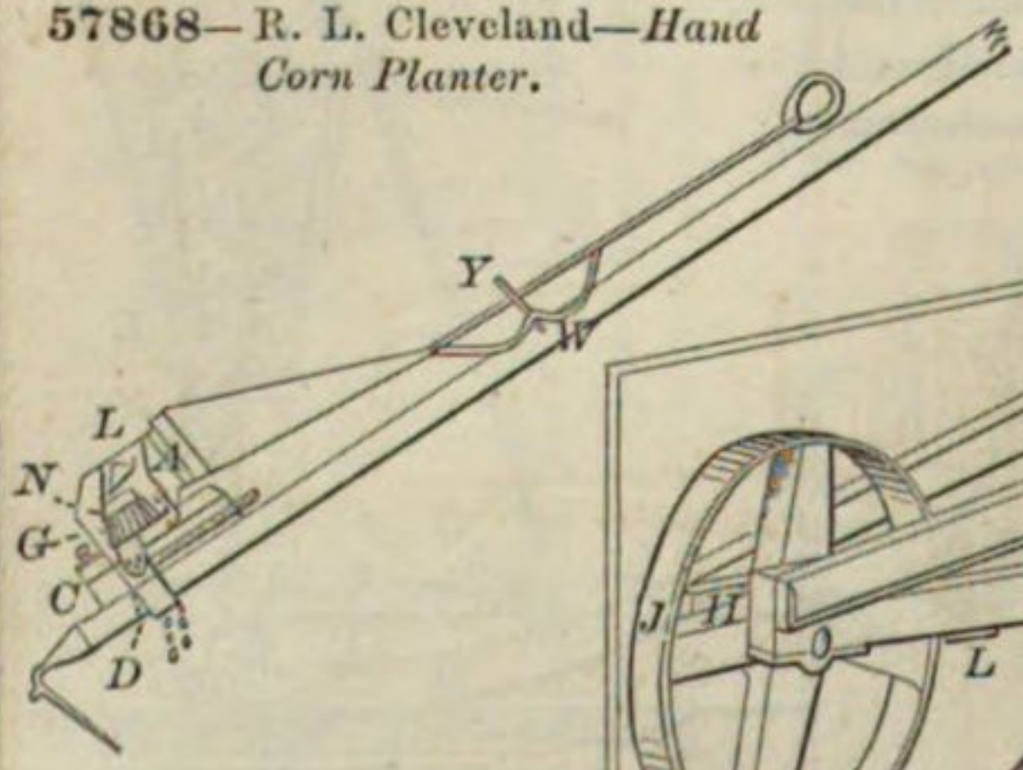
57869—F. Coldwell—*File Stripper.*



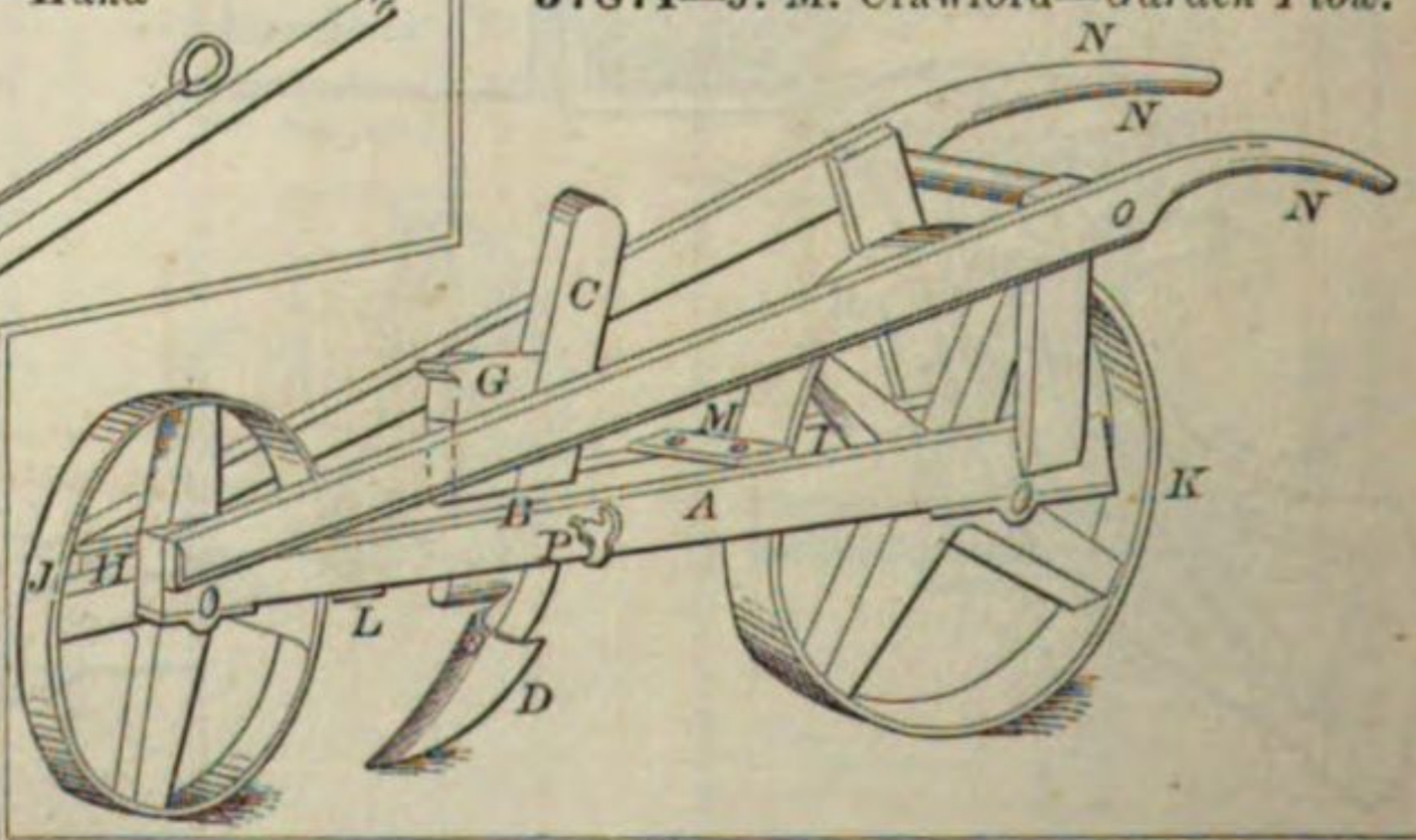
57870—Crane & Fox—*Compound Projectile.*



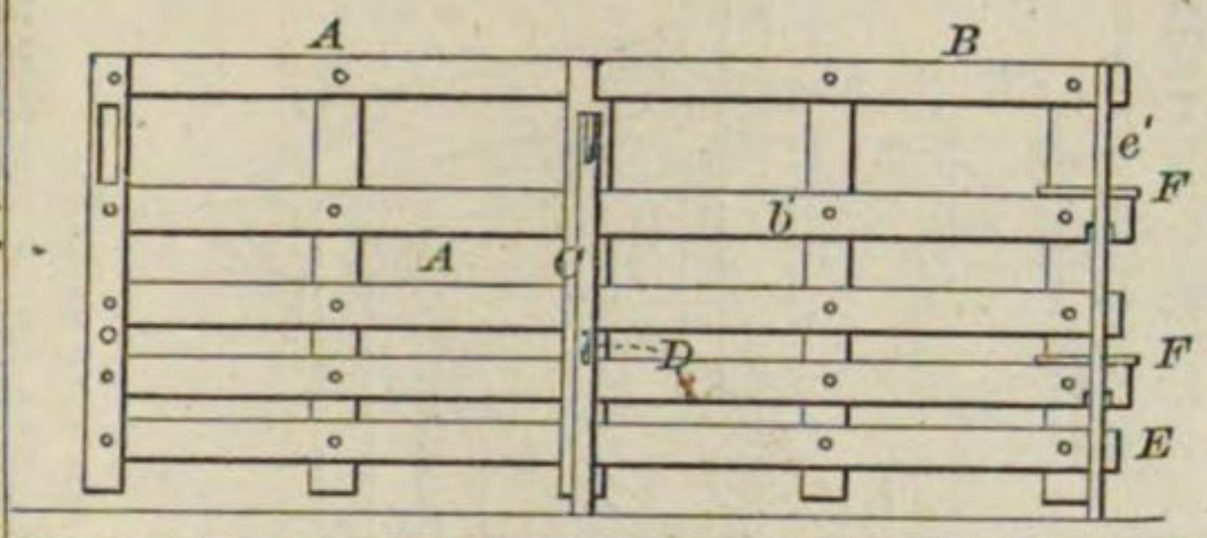
57868—R. L. Cleveland—*Hand Corn Planter.*



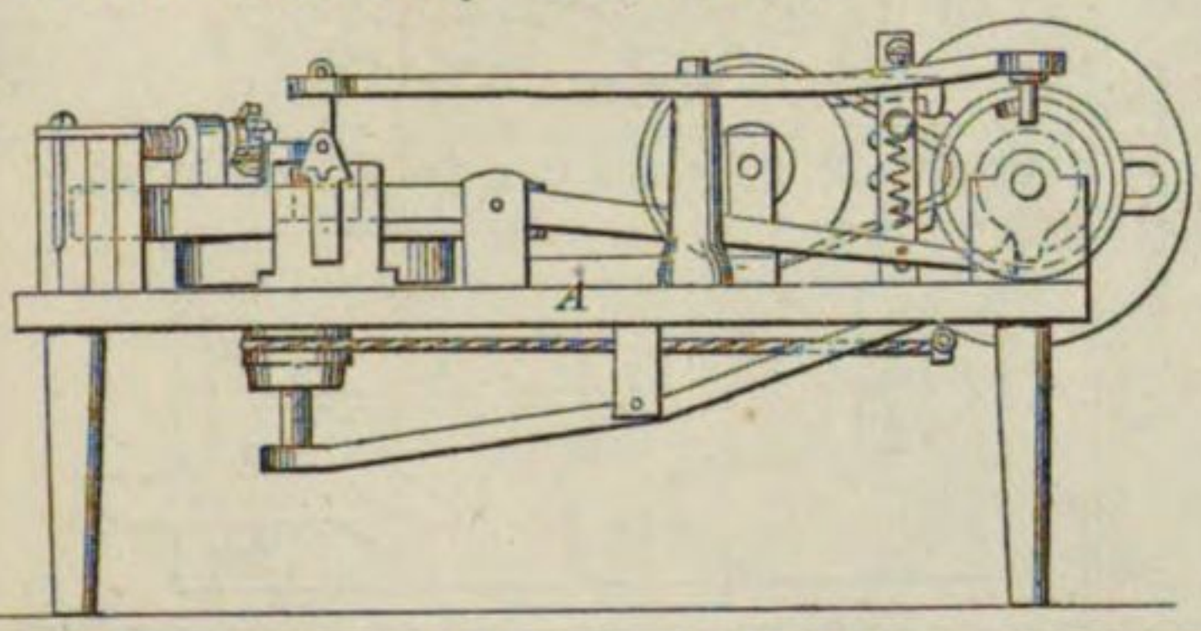
57871—J. M. Crawford—*Garden Plow.*



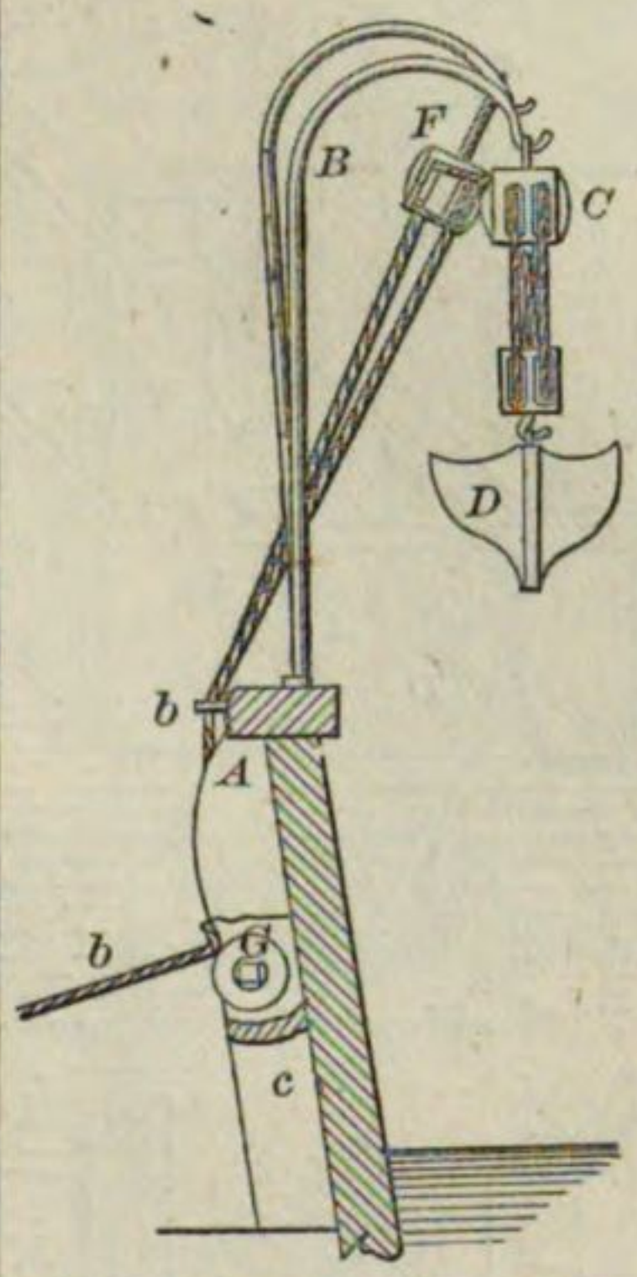
57872—S. Crocker—*Fence.*



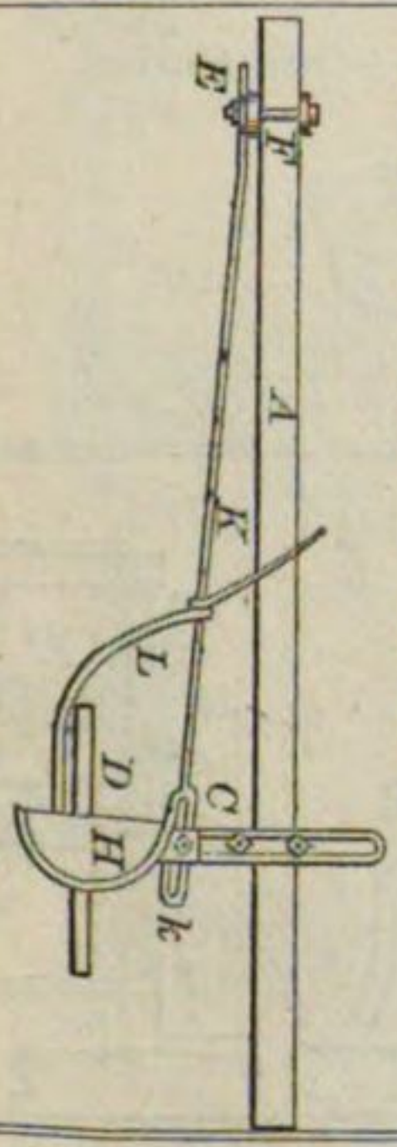
57873—C. O. Crosby—*Wire Pointer.*



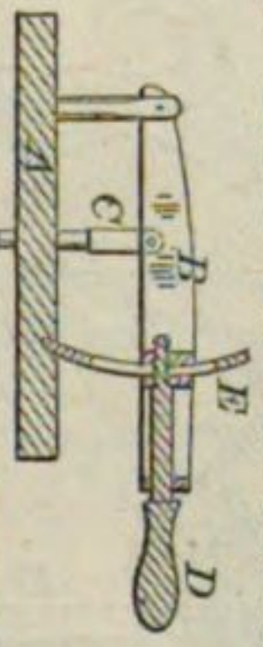
57877—W. A. Devon—*Raising and Lowering Boats.*



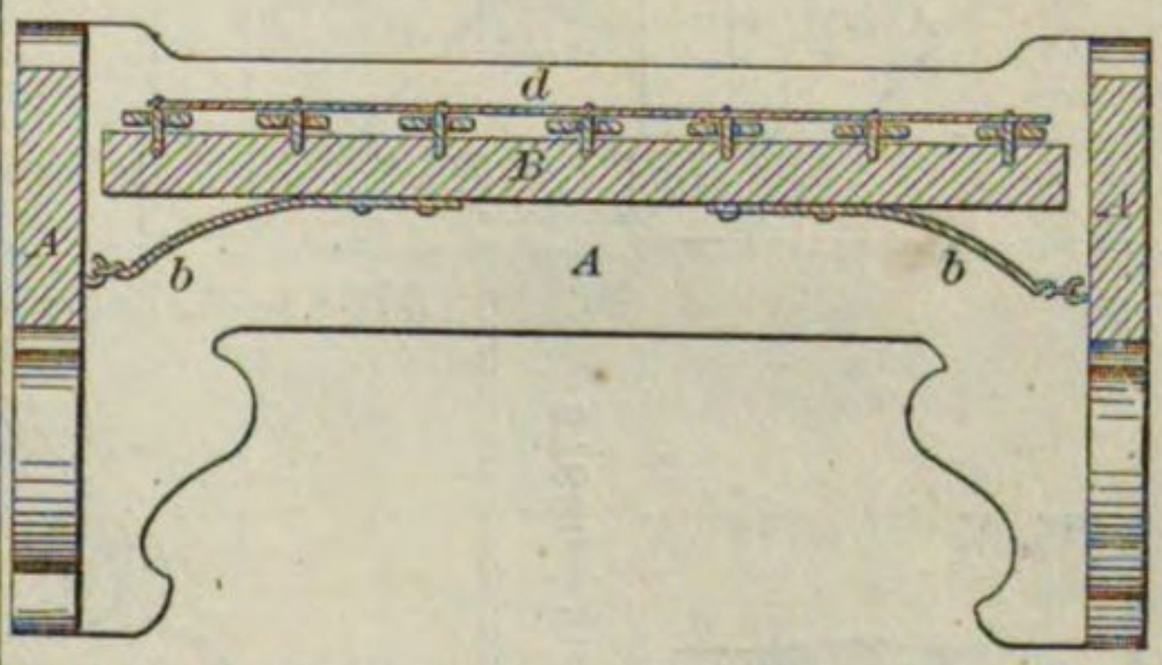
57878—O. P. Dills—*Wheel Plow.*



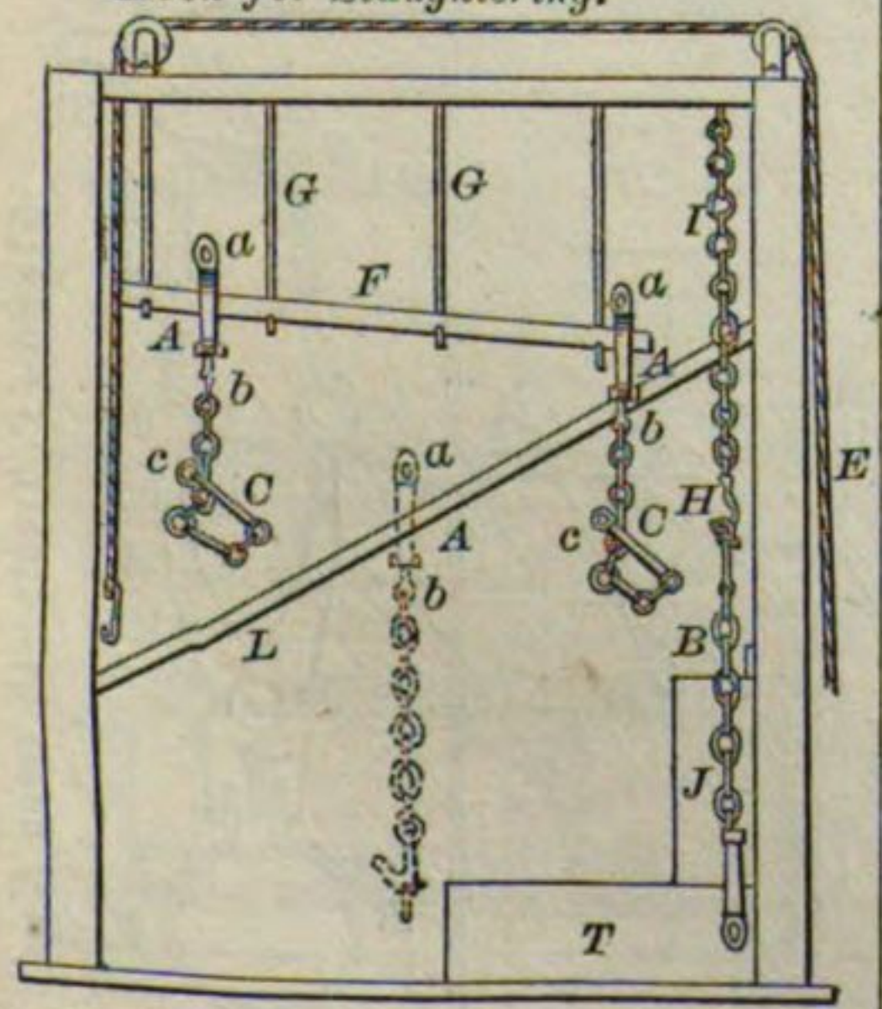
57879—E. Doe—*Throttle Valve Lever.*



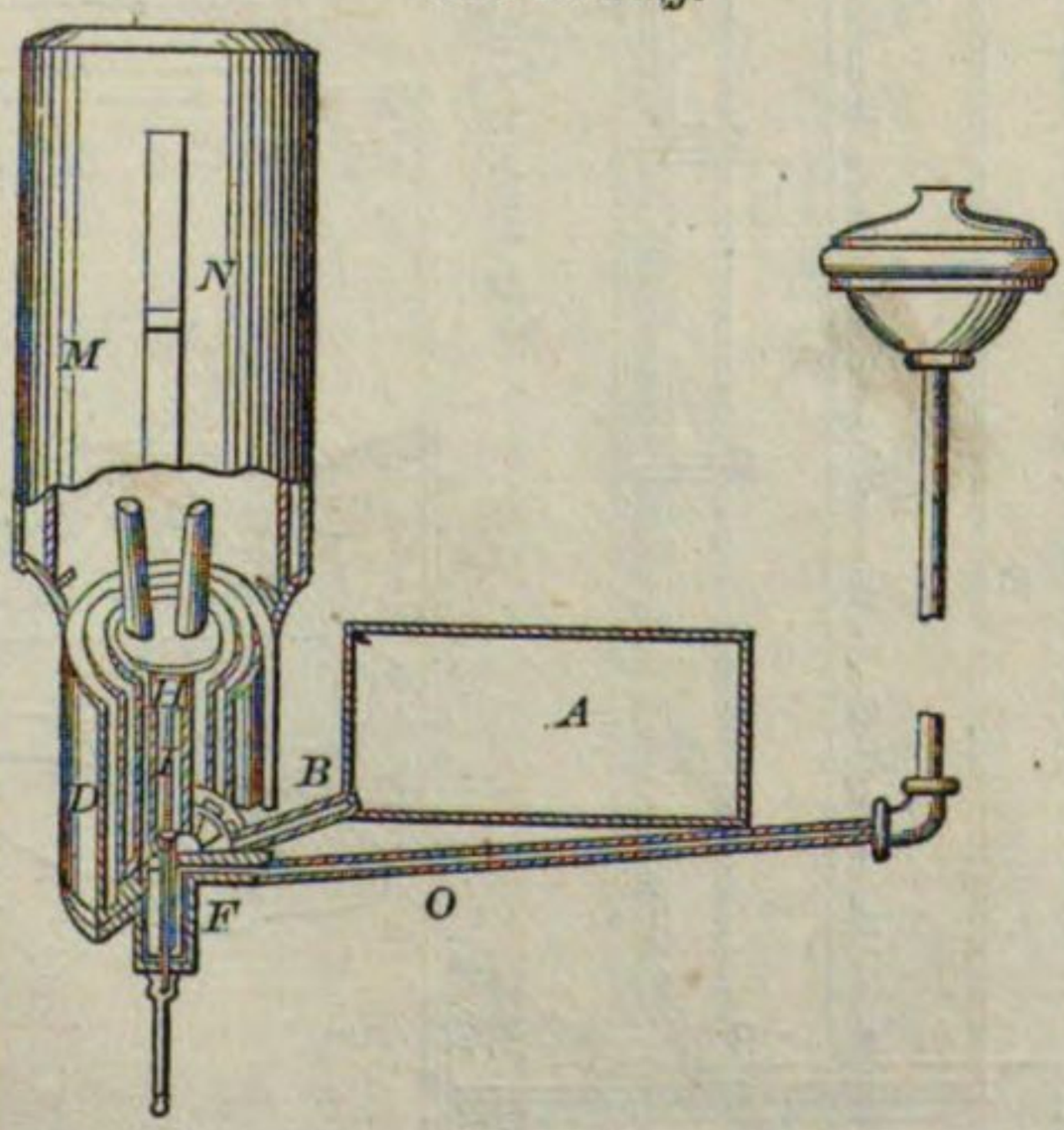
57875—J. & S. Danner—*Spring Bed Bottom.*



57876—Davis & Leland—*Clutch Hook for Slaughtering.*



57880—H. W. Dopp—*Wick Burner for Heating and Cooking.*



57881—O. Drouillard—*Raising Sunken Vessels.*

Fig. 1

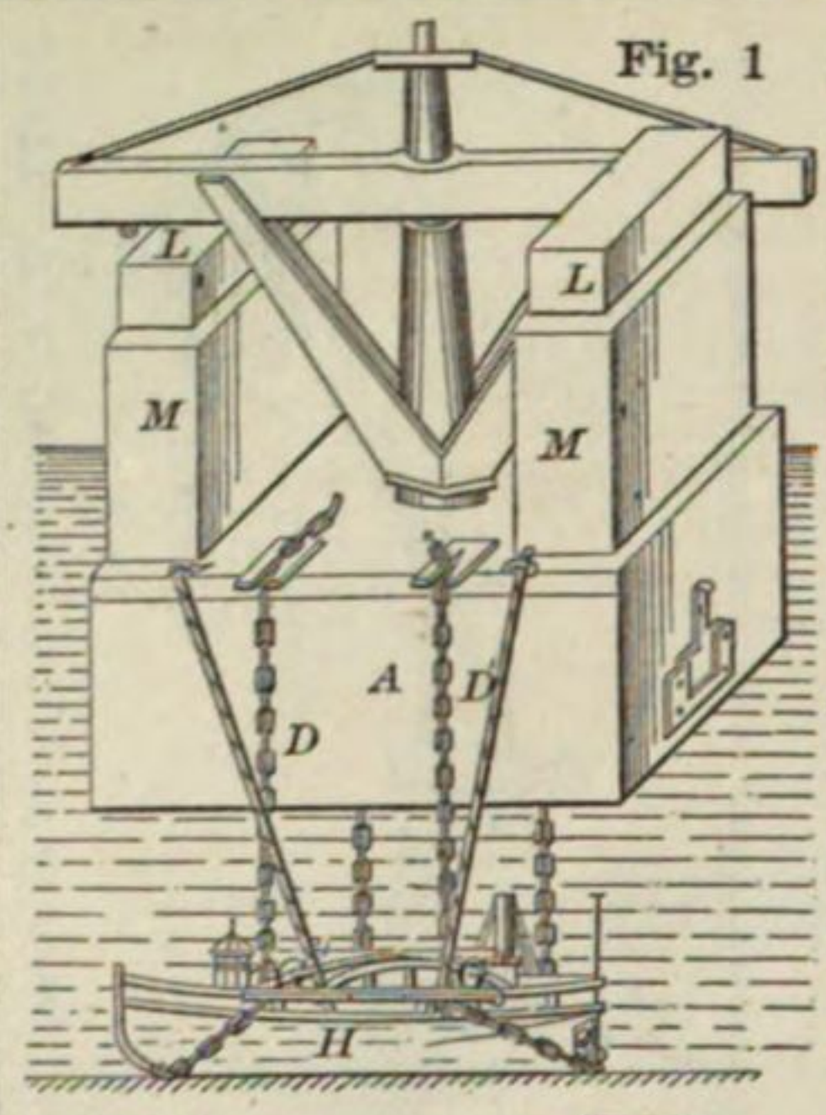
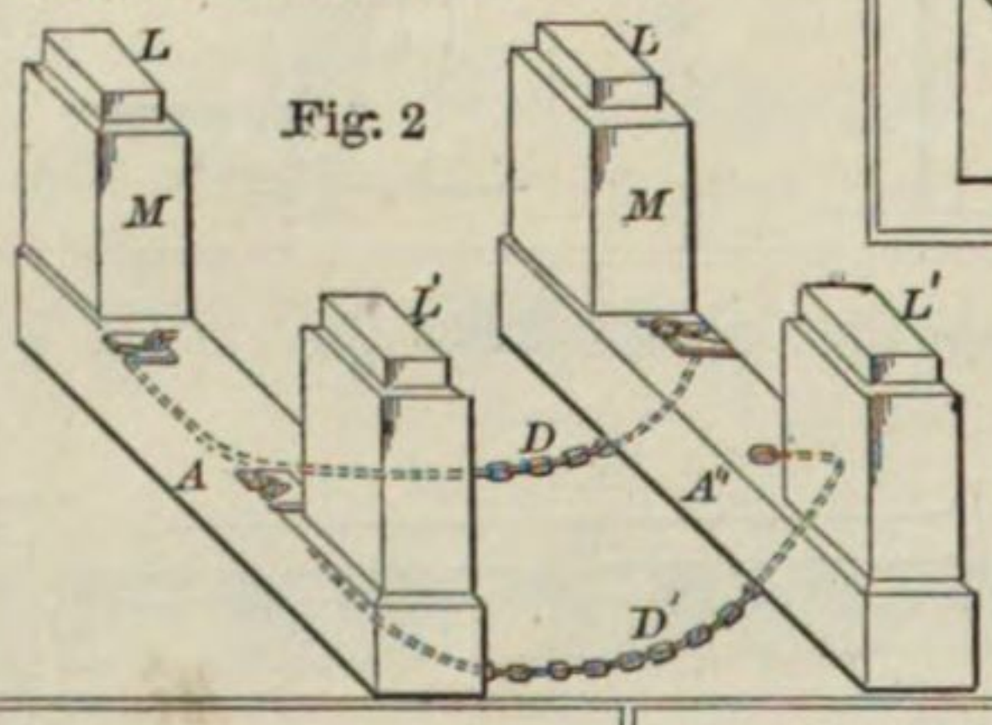
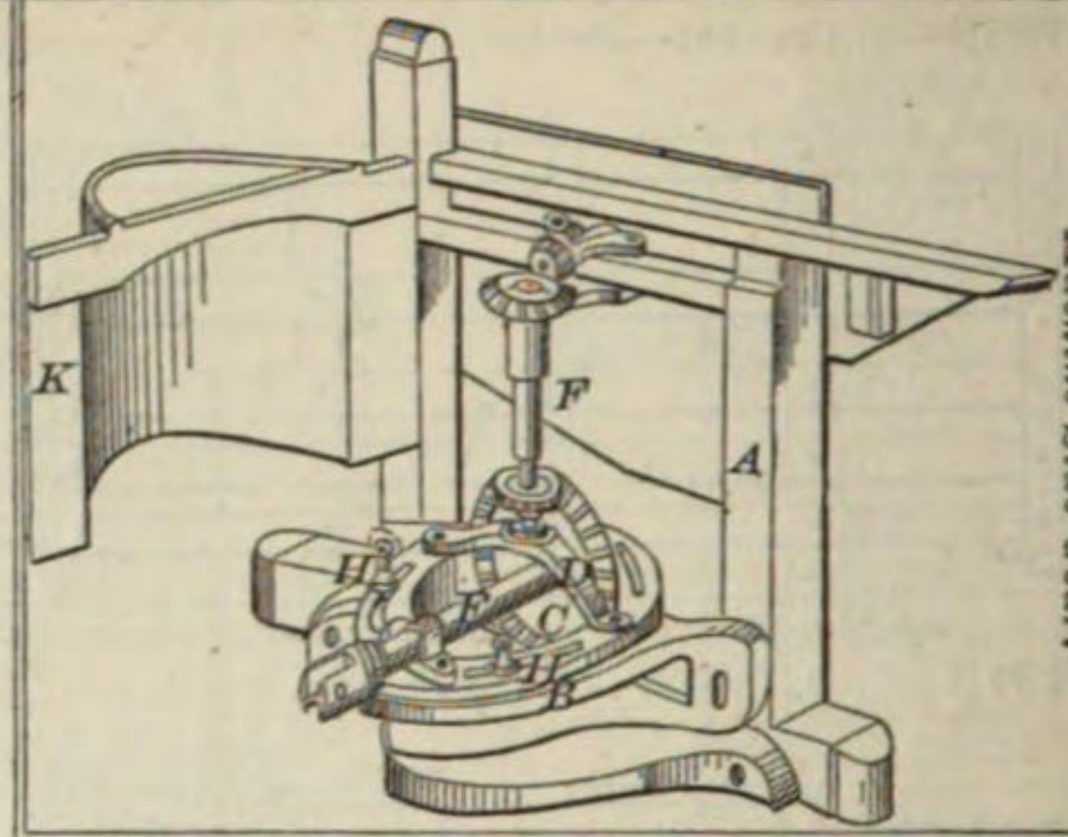


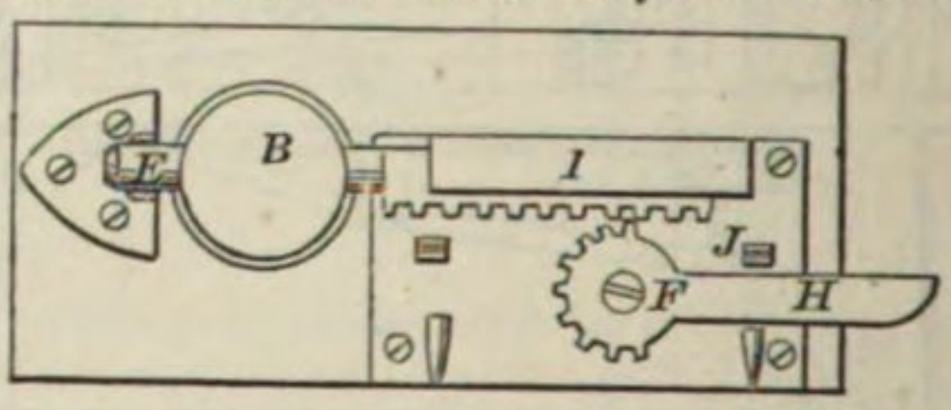
Fig. 2



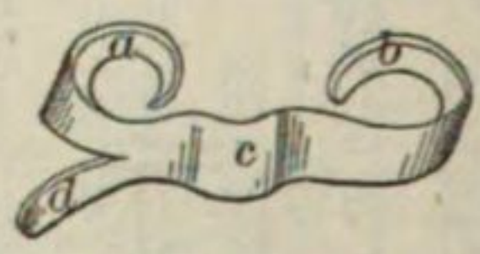
57882—C. F. Du Vall—*Threshing Machine Side Gear.*



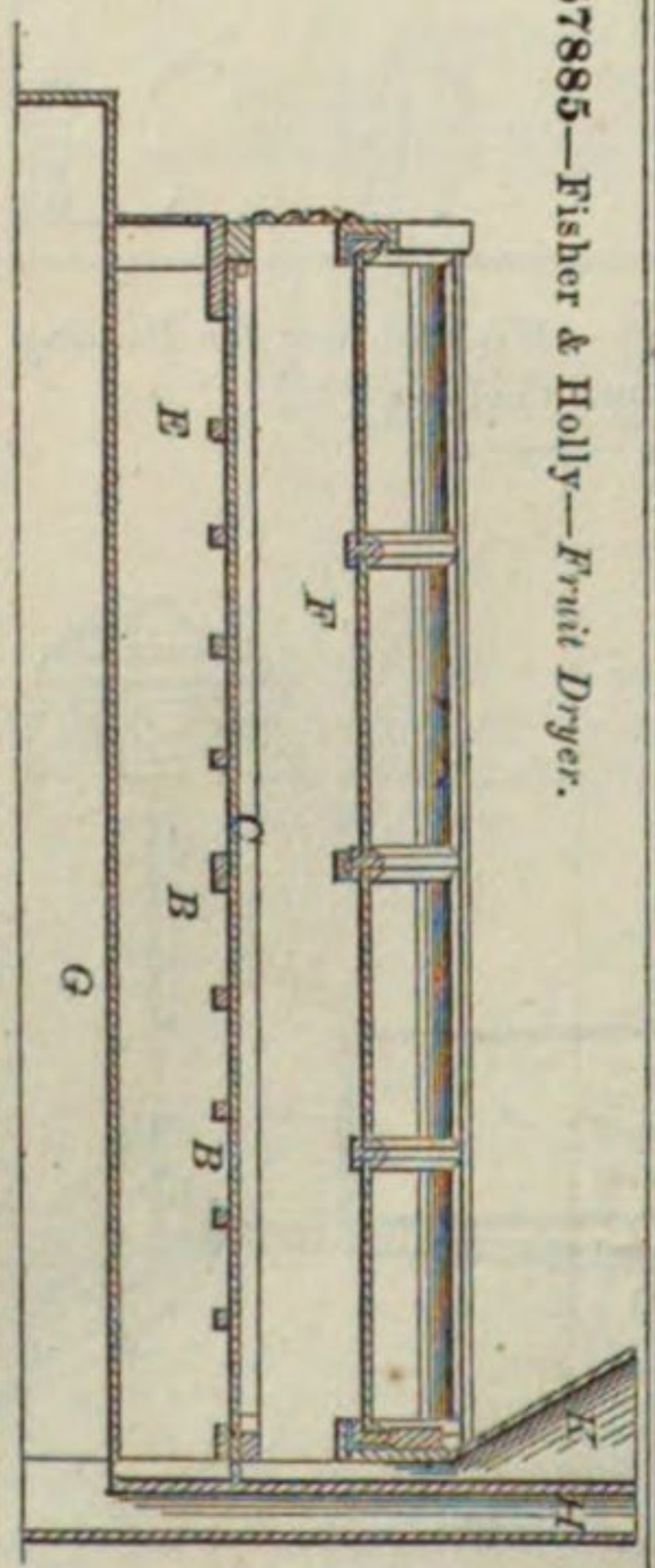
57887—E. P. Gale—*Bow Pin for Ox Yokes.*



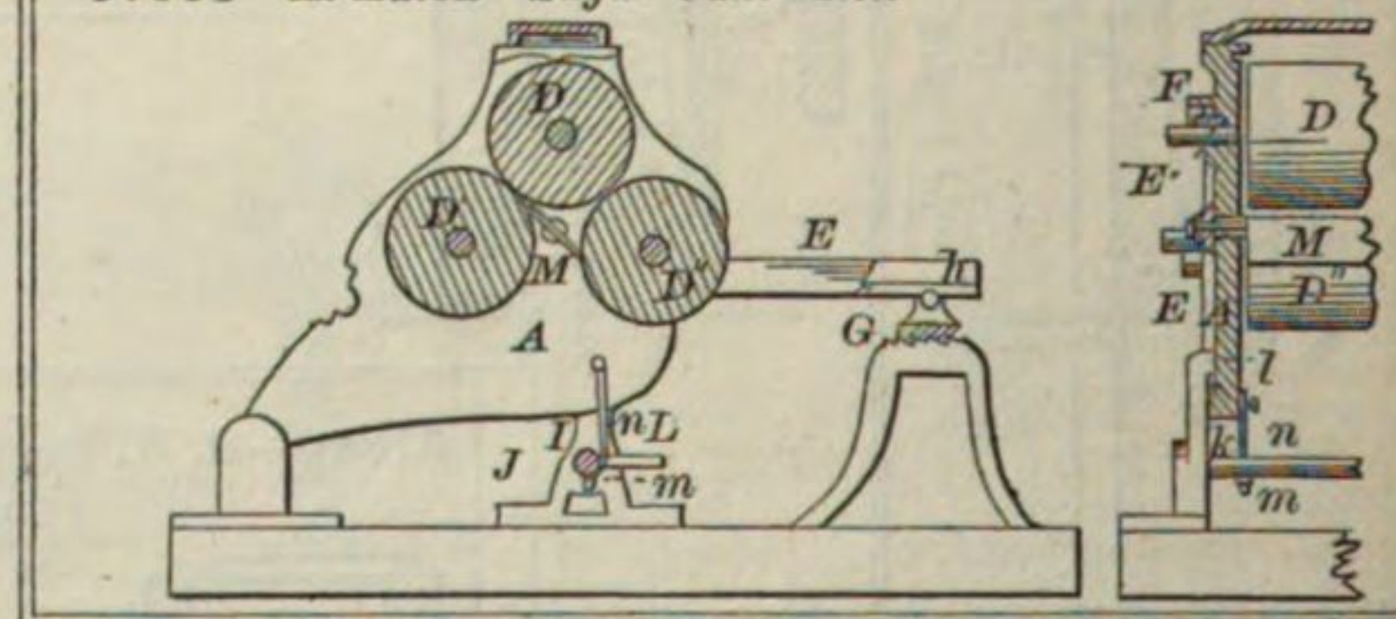
57888—J H. Gano—*Corn Husker.*



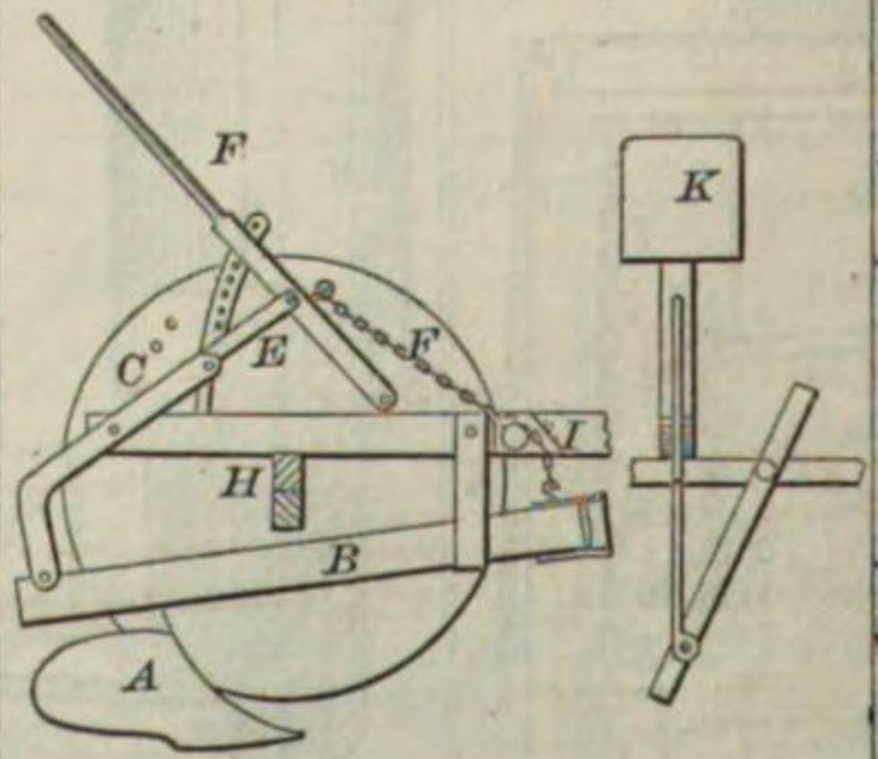
57885—Fisher & Holly—*Fruit Dryer.*



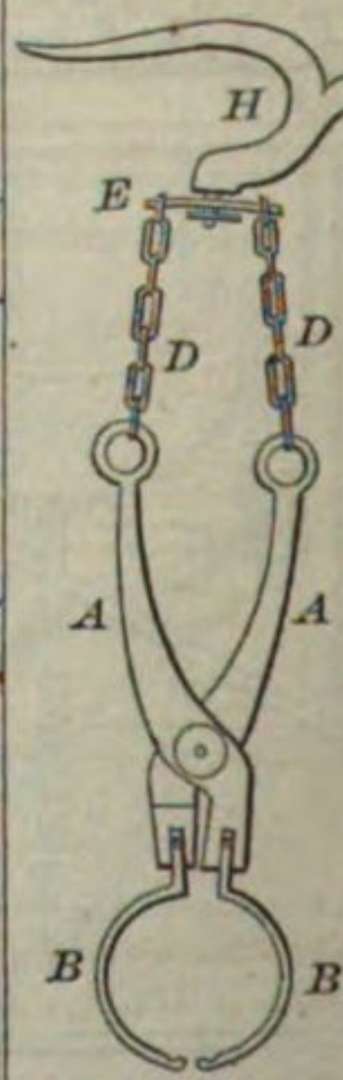
57883—A. Eaton—*Sugar Cane Mill.*



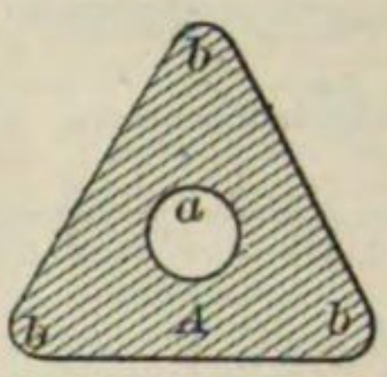
57889—R. R. Gaskill—*Sulkey Plow.*



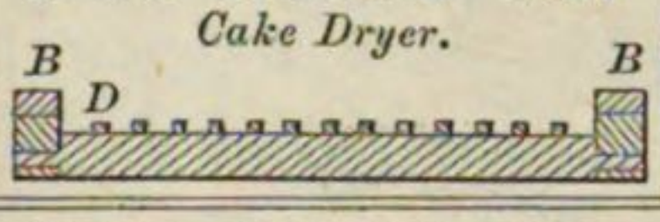
57886—P. Trentz—*Carrying Hose.*



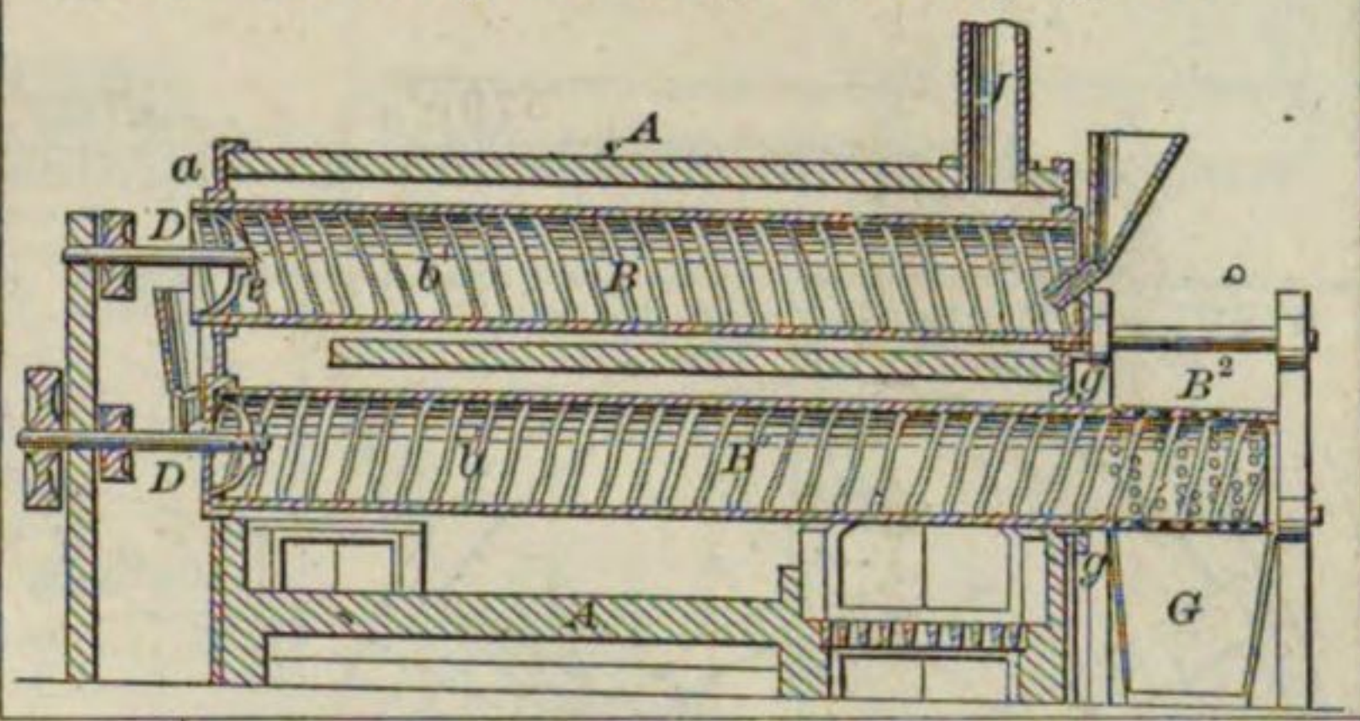
57890—S. D. Gilson—*Artificial Fuel.*



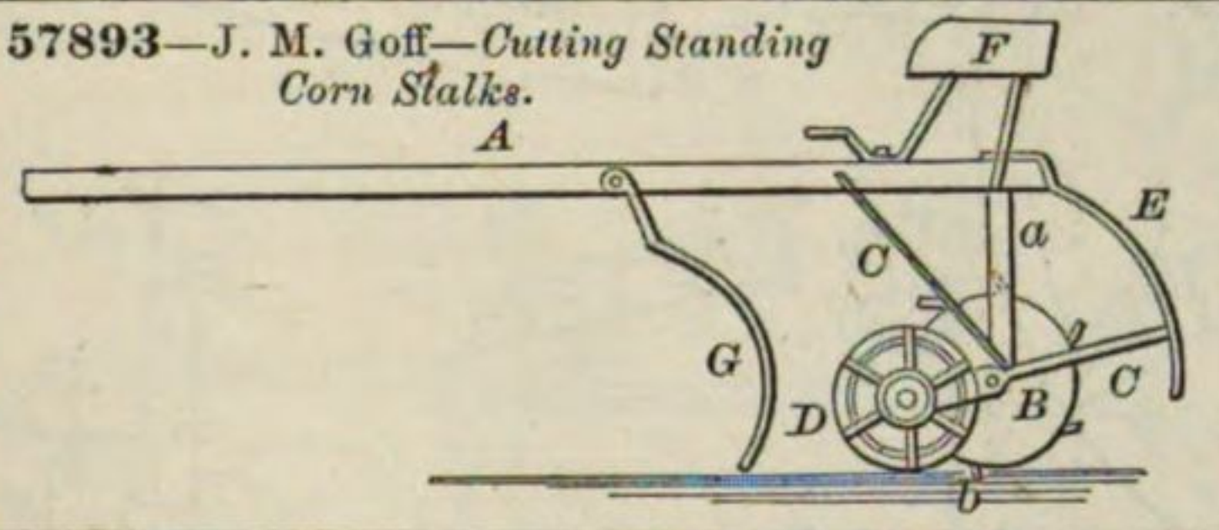
57891—C. Gleason—*Yeast Cake Dryer.*



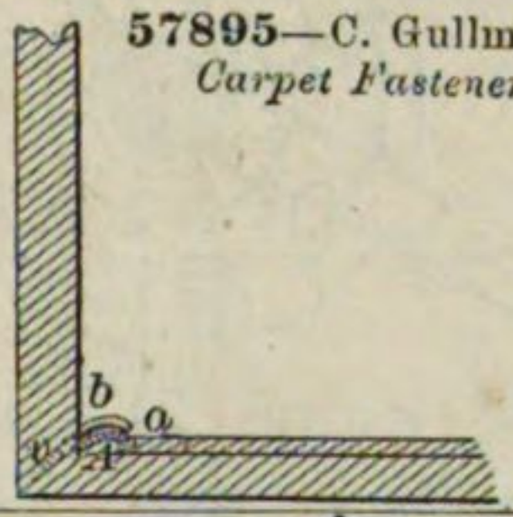
57892—F. Godfrey—*Furnace for Calcining Gypsum.*



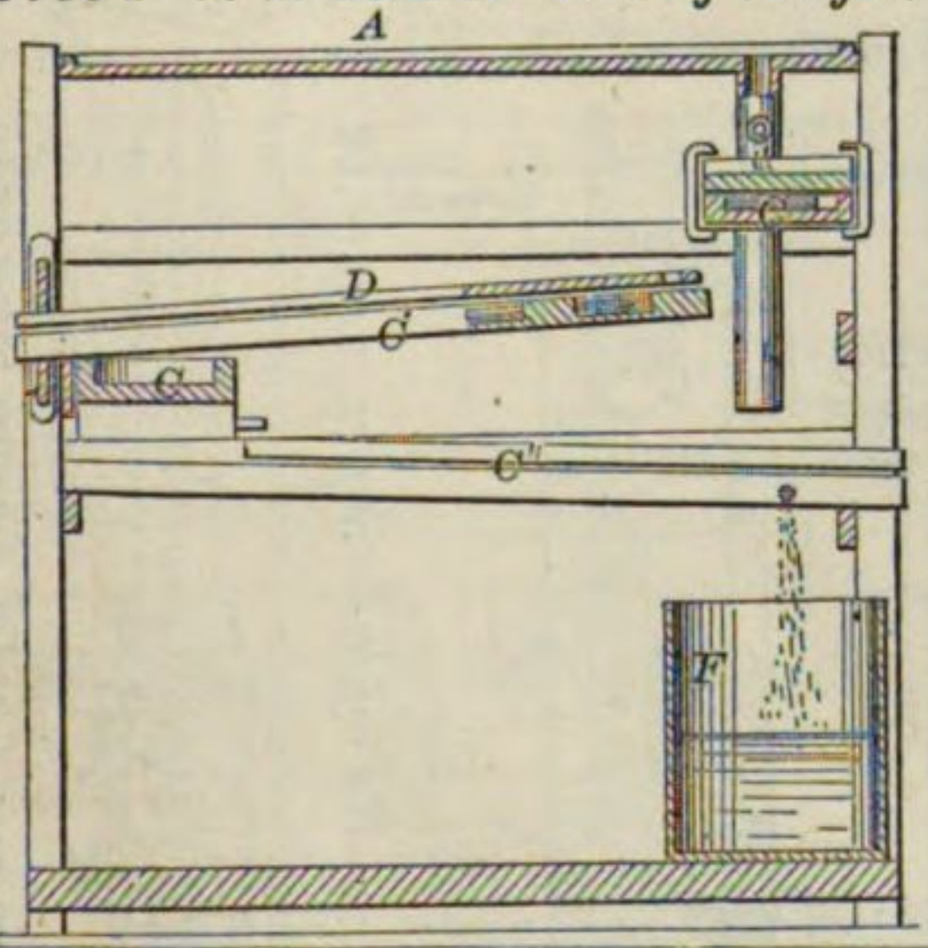
57893—J. M. Goff—*Cutting Standing Corn Stalks.*



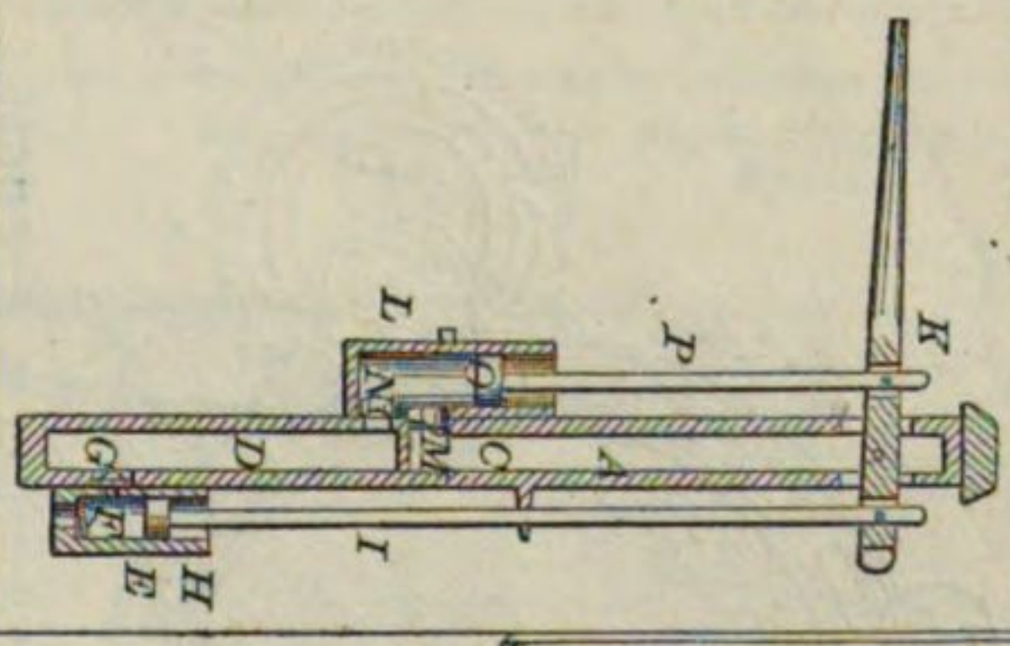
57895—C. Gullmann—*Carpet Fastener.*



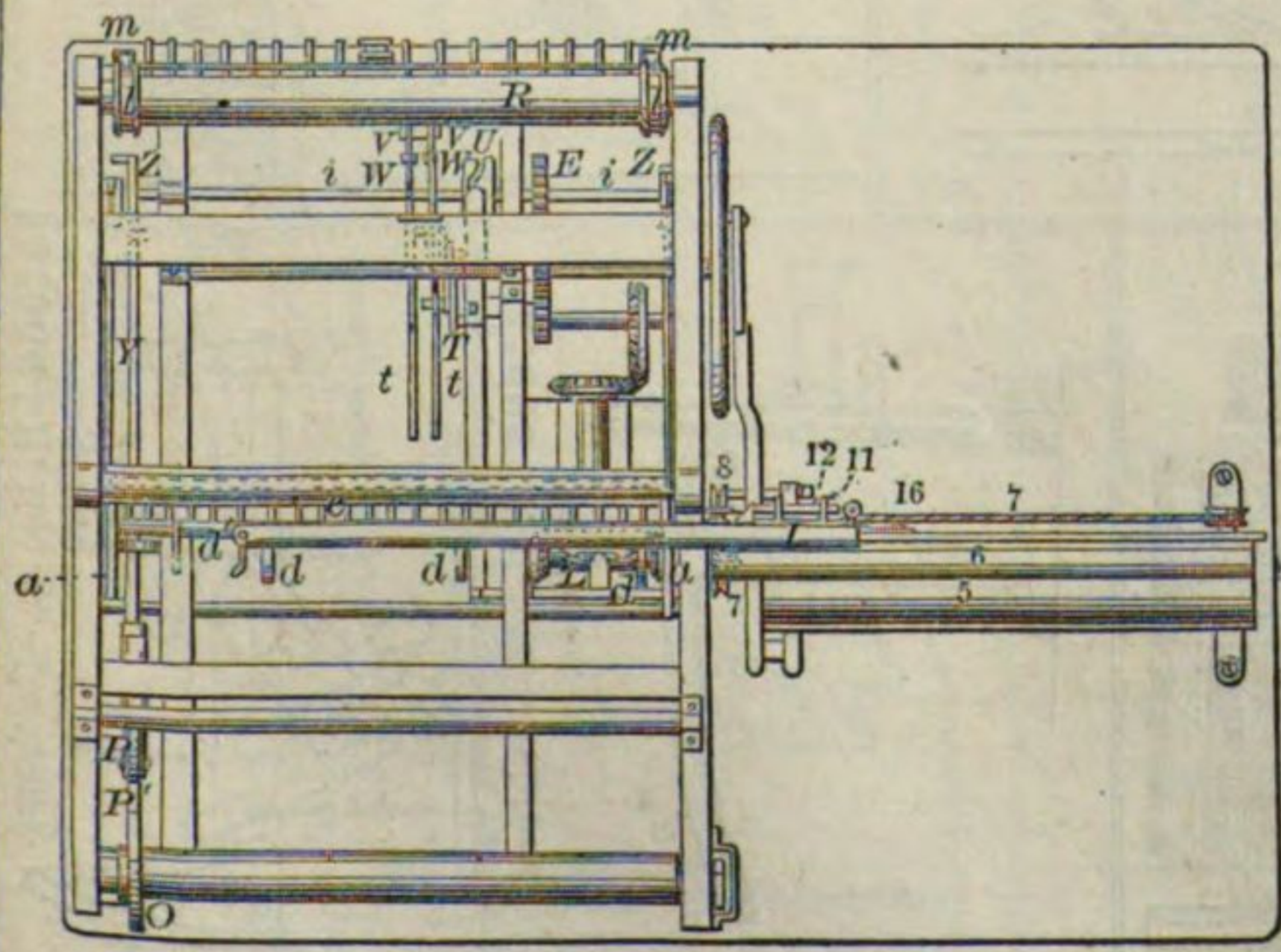
57894—T. Grundmann—*Making Vinegar.*



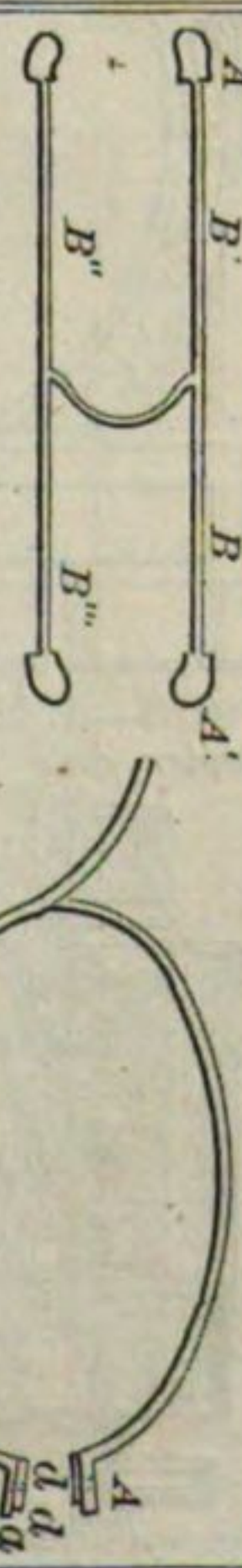
57897—A. S. Hanson—*Pump.*



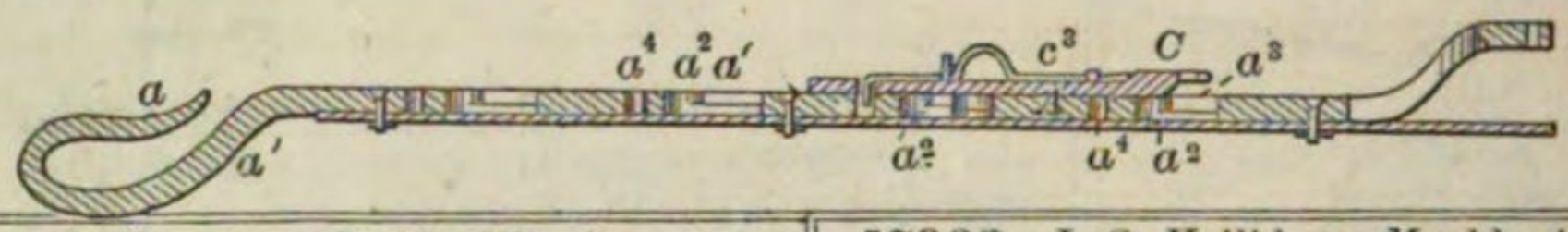
57898—G. Hasecoster—*Loom for Weaving Slatted Window Shades.*



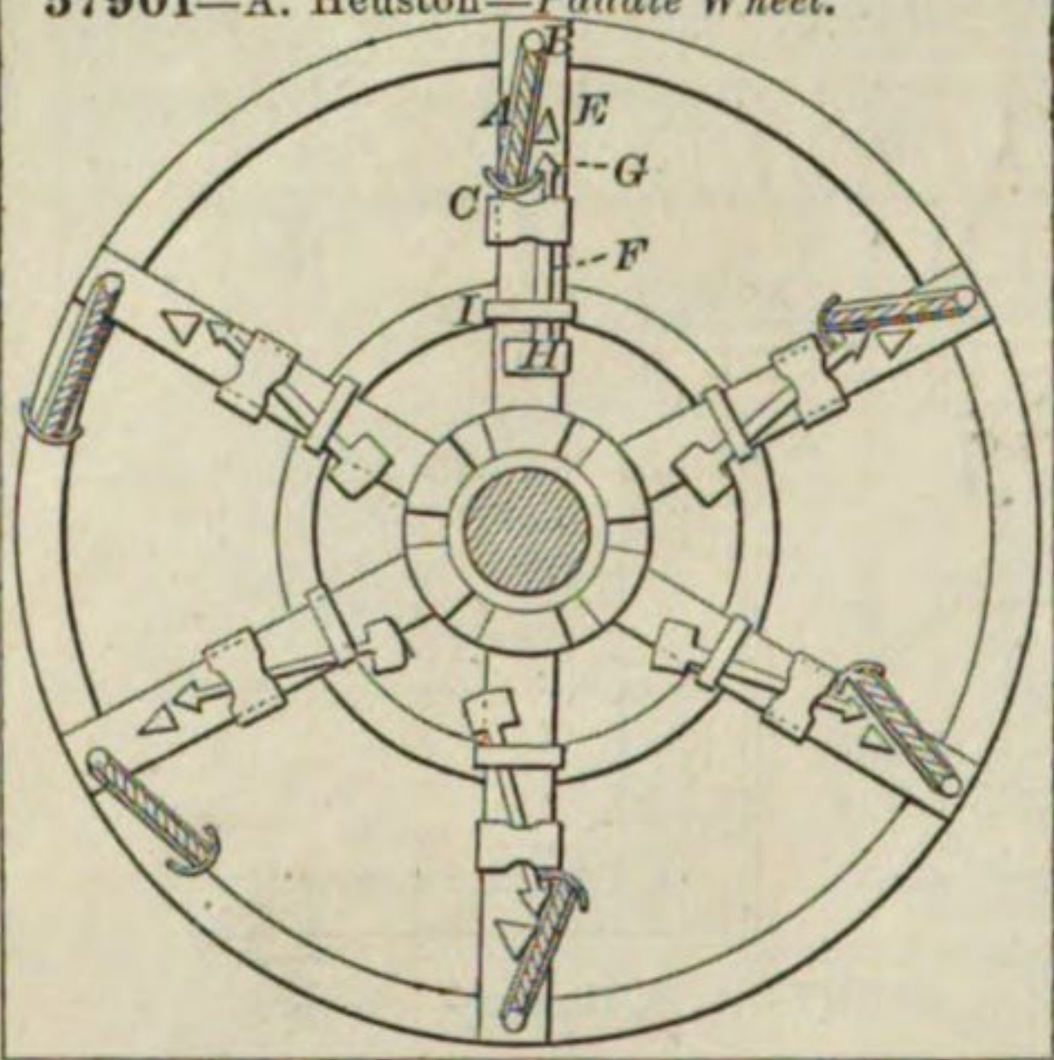
57896—H. Hammond—*Spectacle Frame.*



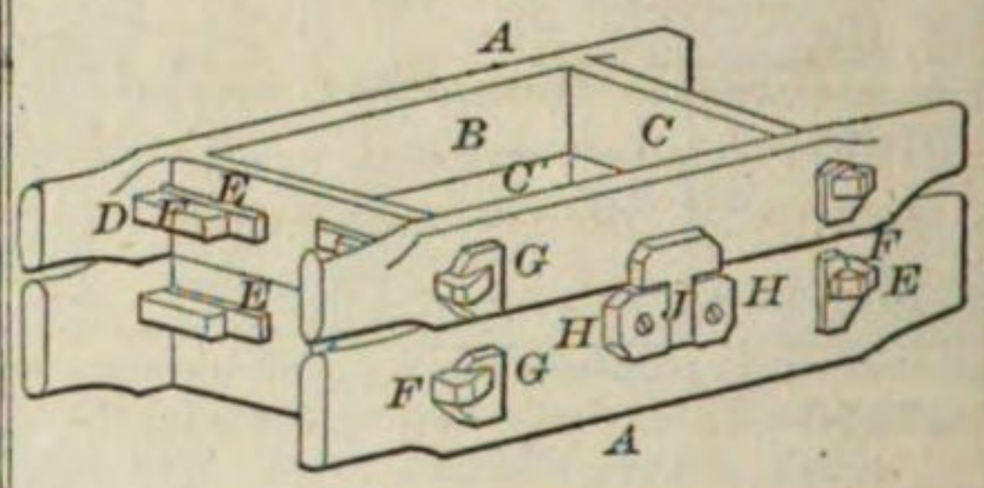
57899—L. W. Heelan—*Hame Tug and Buckle.*

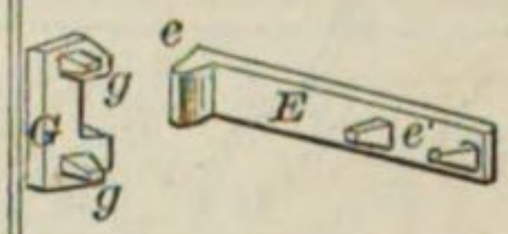


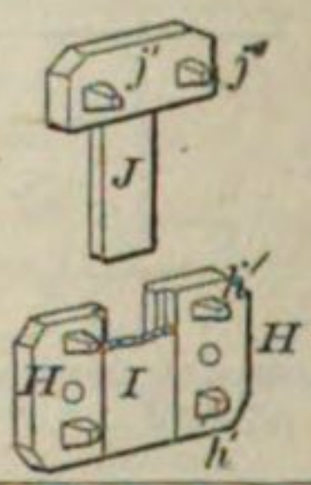
57901—A. Heuston—*Paddle Wheel.*



57903—J. G. Holliday—*Moulders' Flask.*

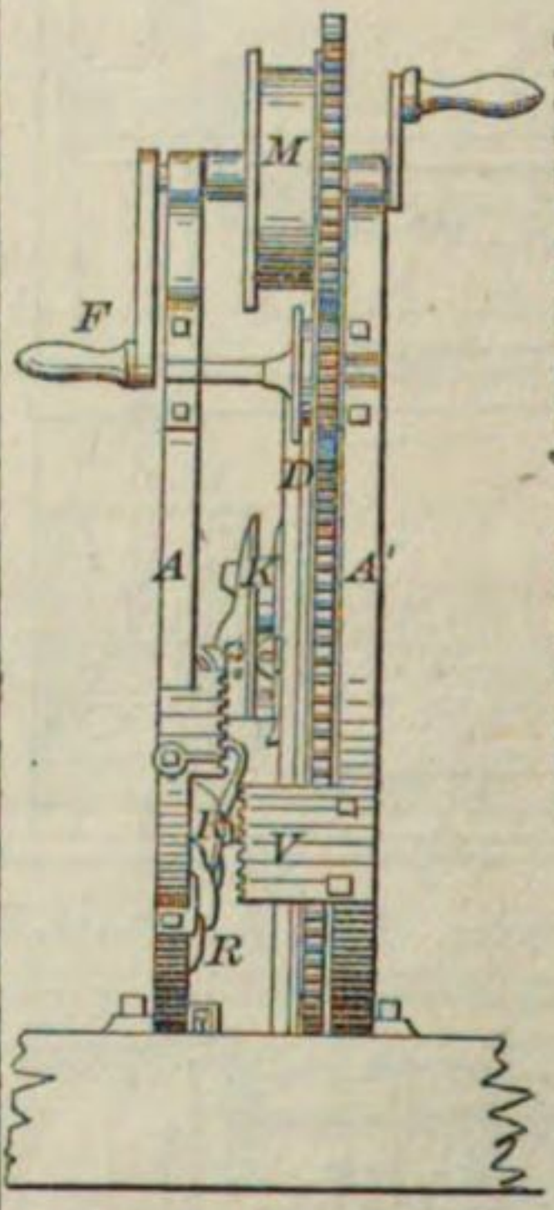




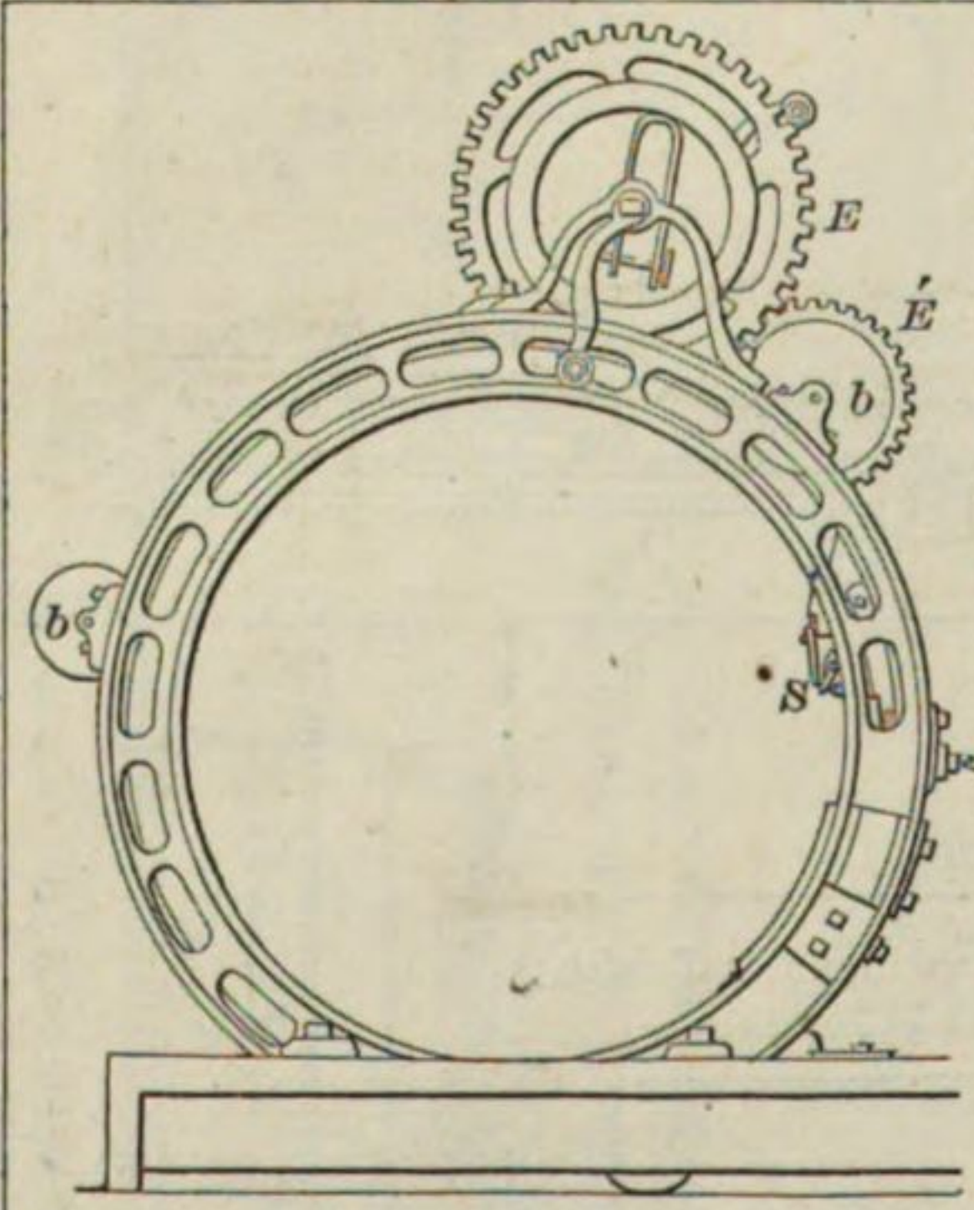


57902—C. Hibbard—*Spring Dirk Knife.*

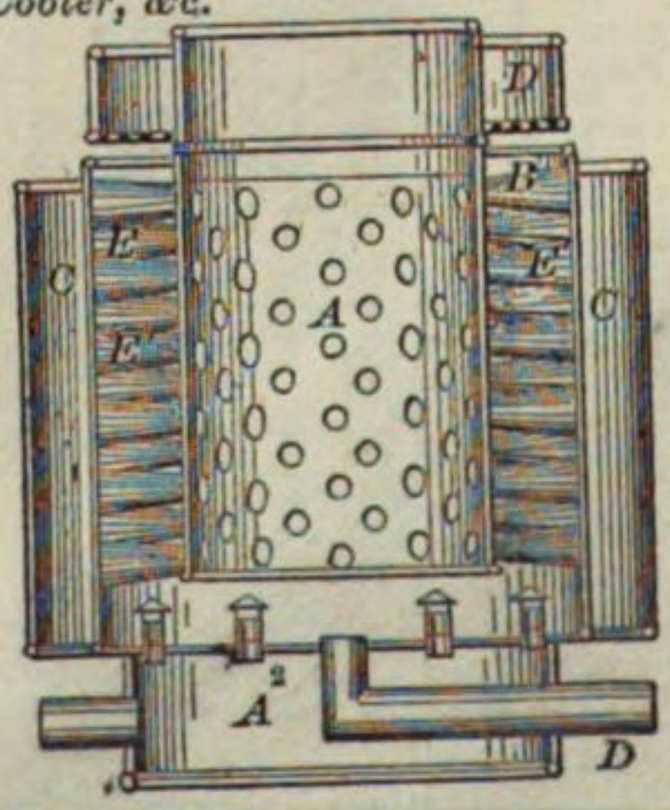
57904—S. T. Holly—*Grain Binder.*



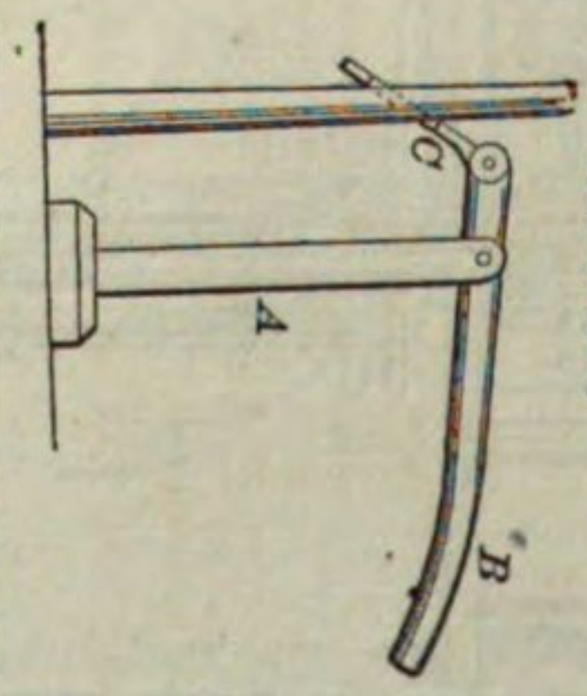
57904—S. T. Holly—*Grain Binder.*



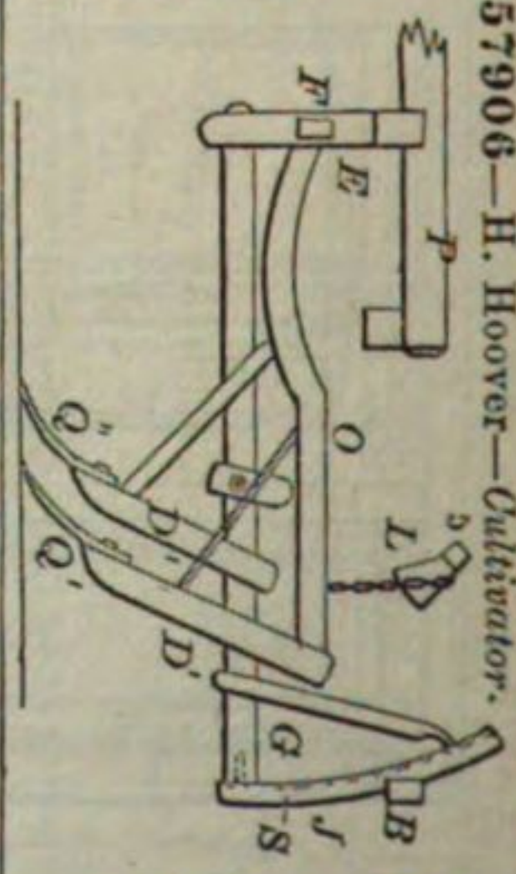
57900—J. Herget—*Beer Cooler, &c.*



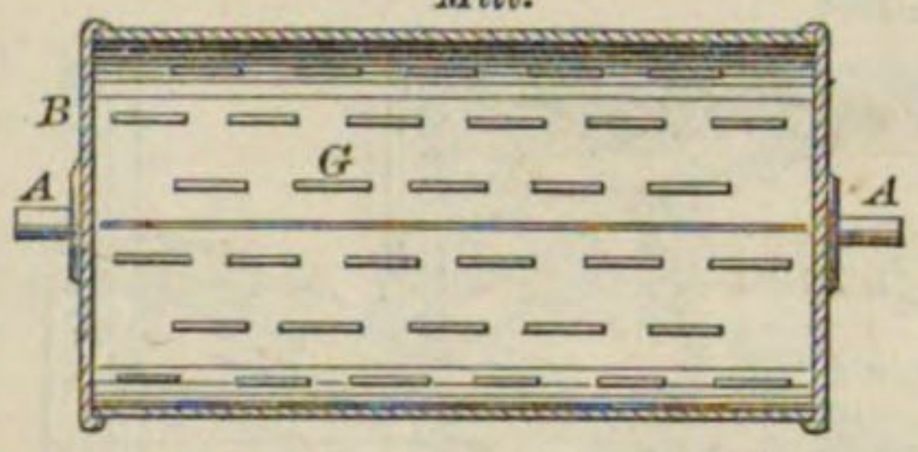
57905—I. Holmes—*Pole and Post Puller.*



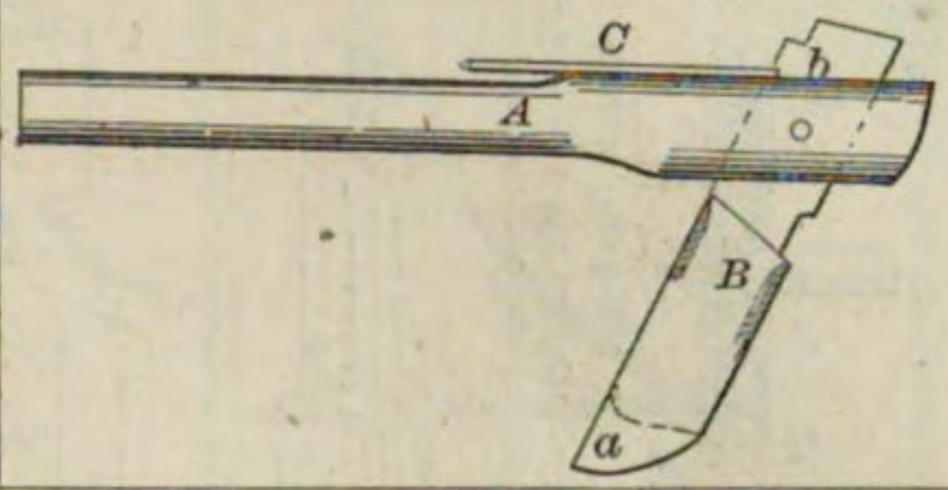
57906—H. Hoover—*Cultivator.*



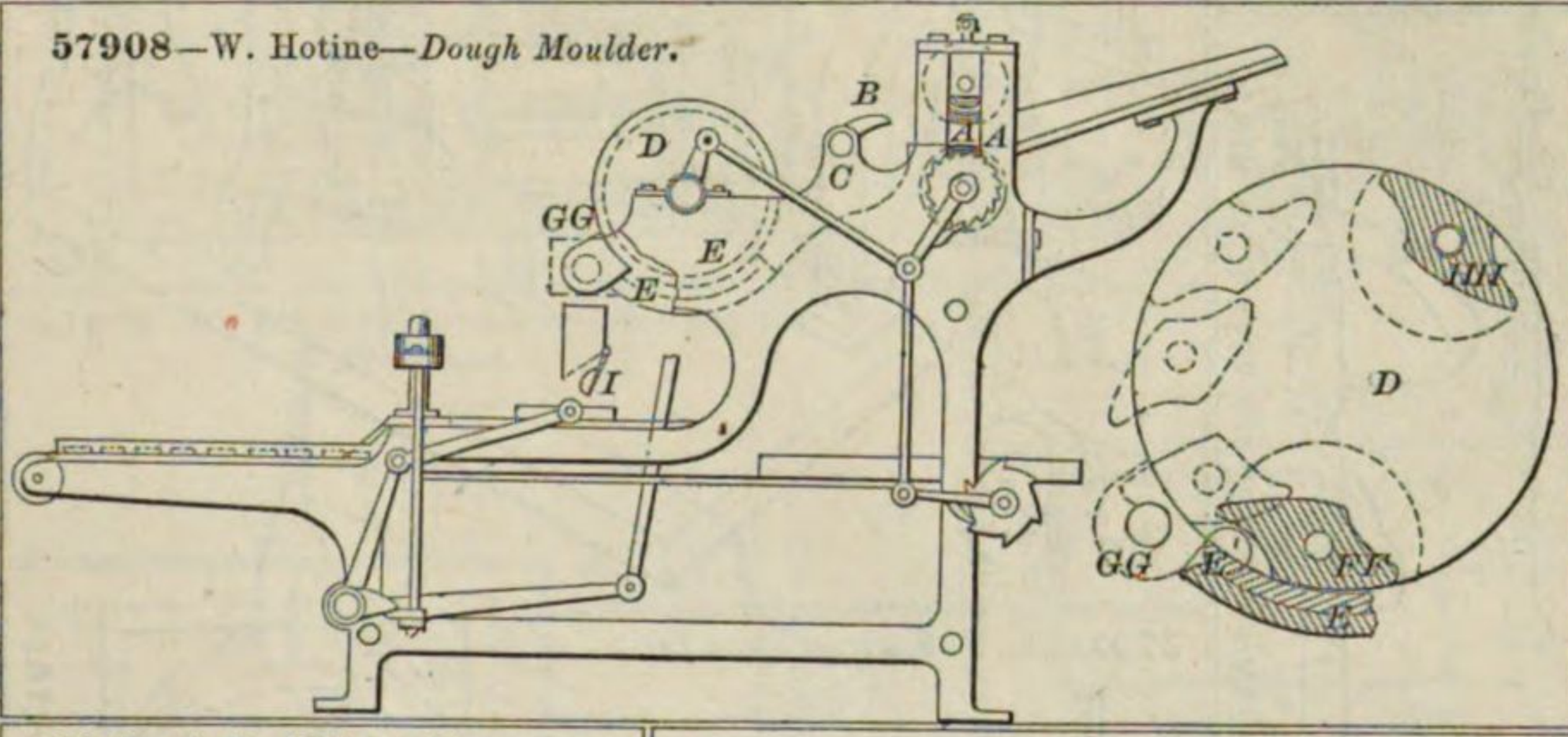
57907—S. D. Horton—*Founders' Cleansing Mill.*



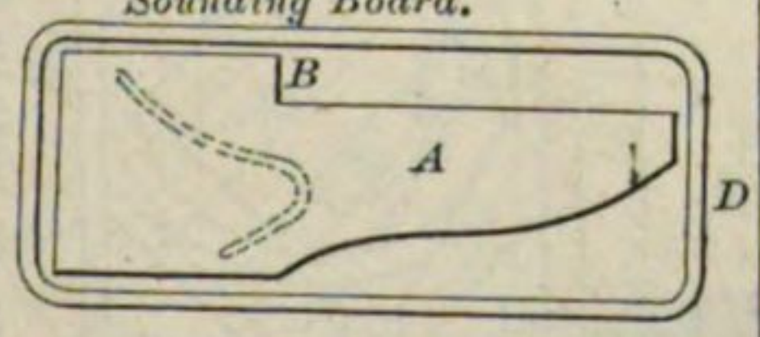
57911—Hurt & Douglass—*Spike Drawer.*



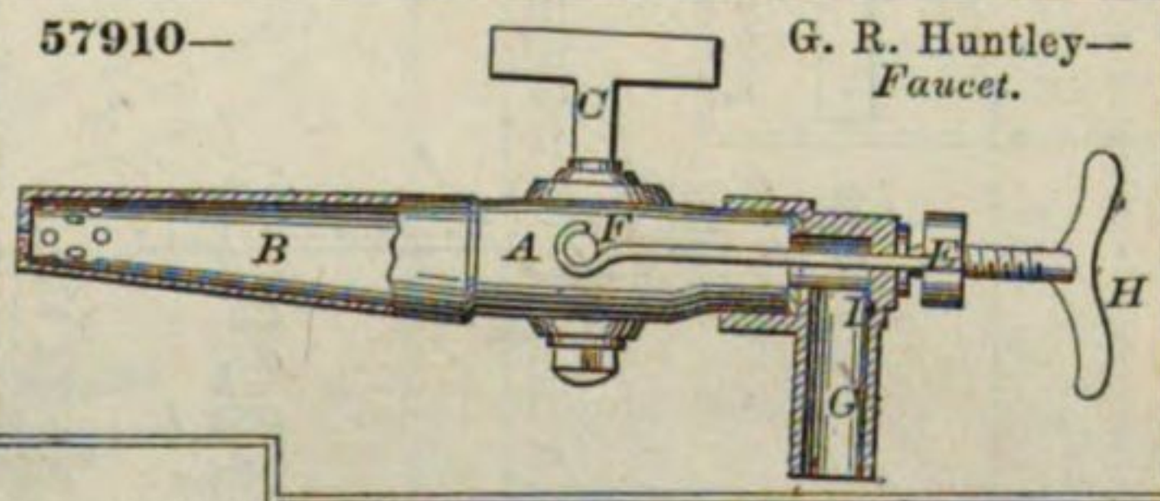
57908—W. Hotine—*Dough Moulder.*



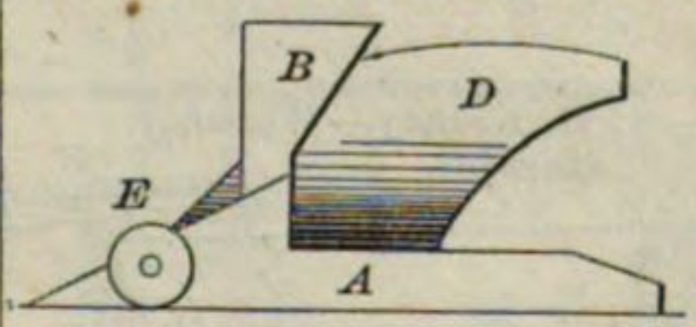
57912—A. De Kuhn—*Piano Sounding Board.*



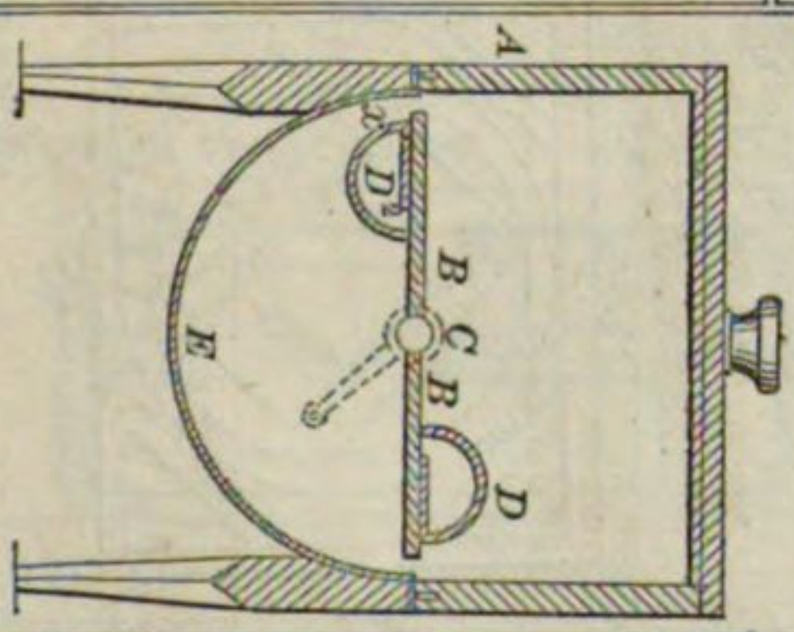
57910—G. R. Huntley—*Faucet.*



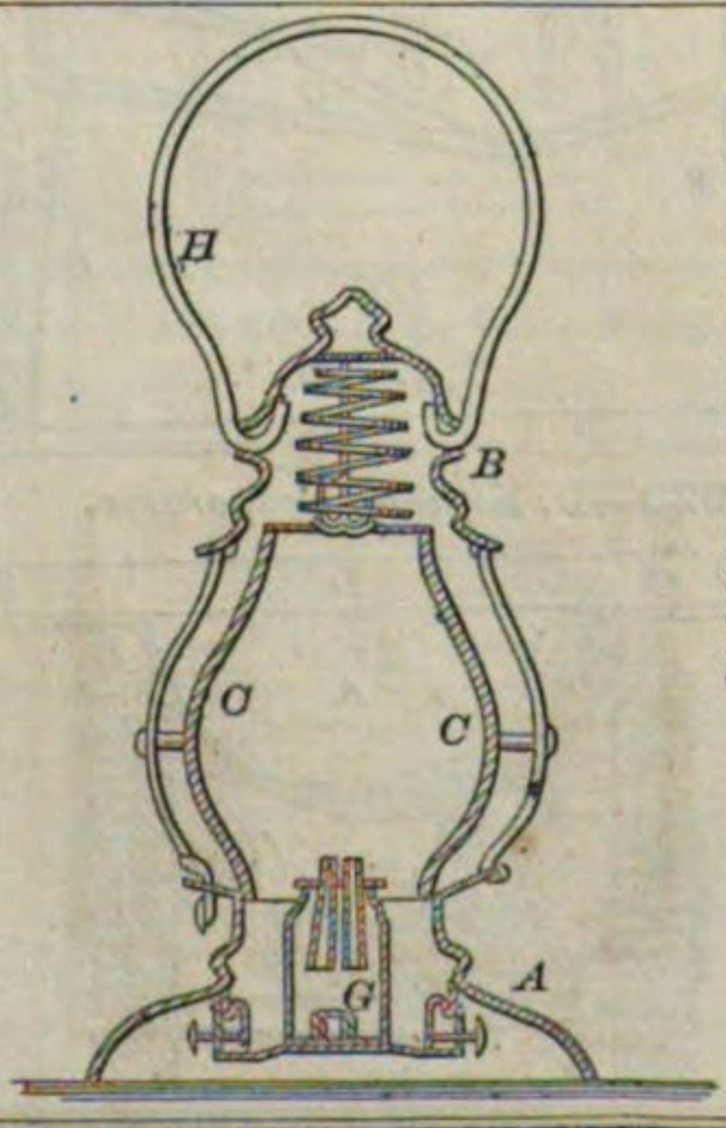
57909—C. B. Hunting—*Plow.*



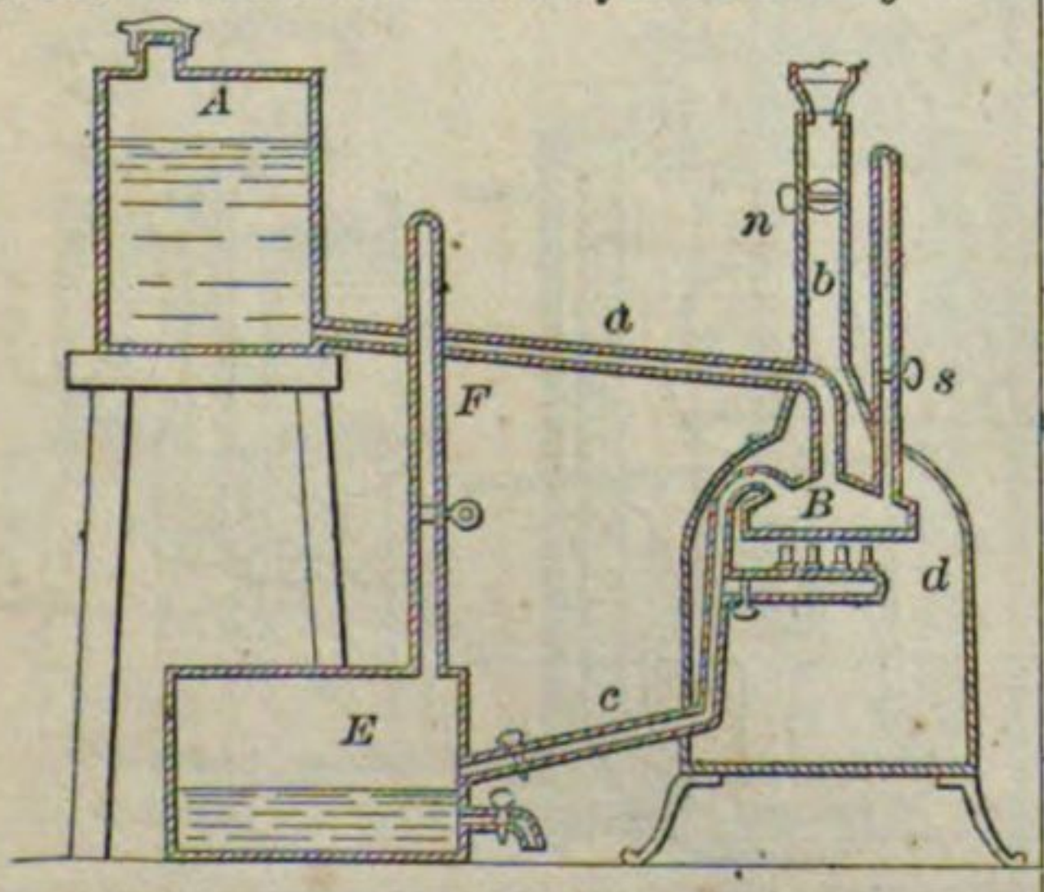
57913—B. Illingworth—*Churn.*



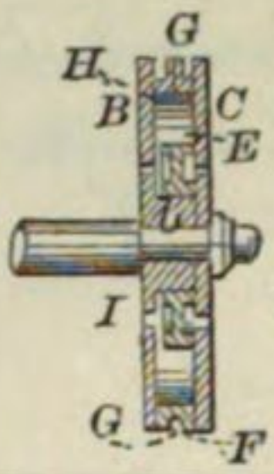
57914—J. H. Irwin—*Lantern.*



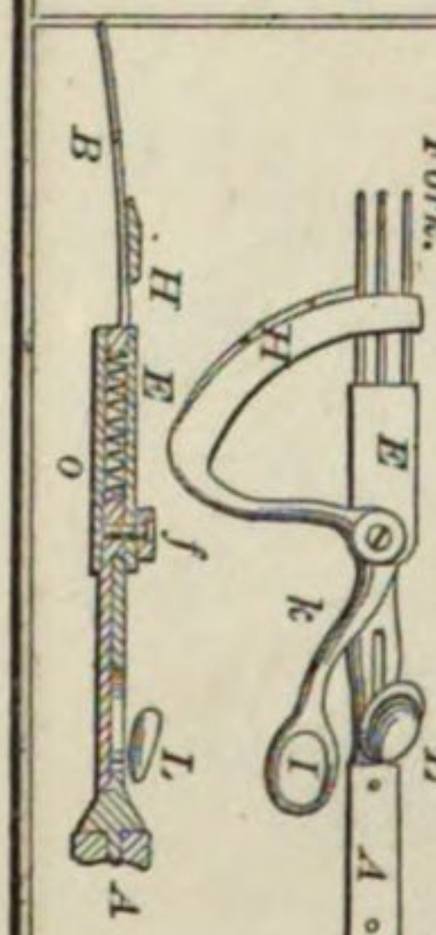
57915—J. H. Irwin—*Retort for Generating Gas.*



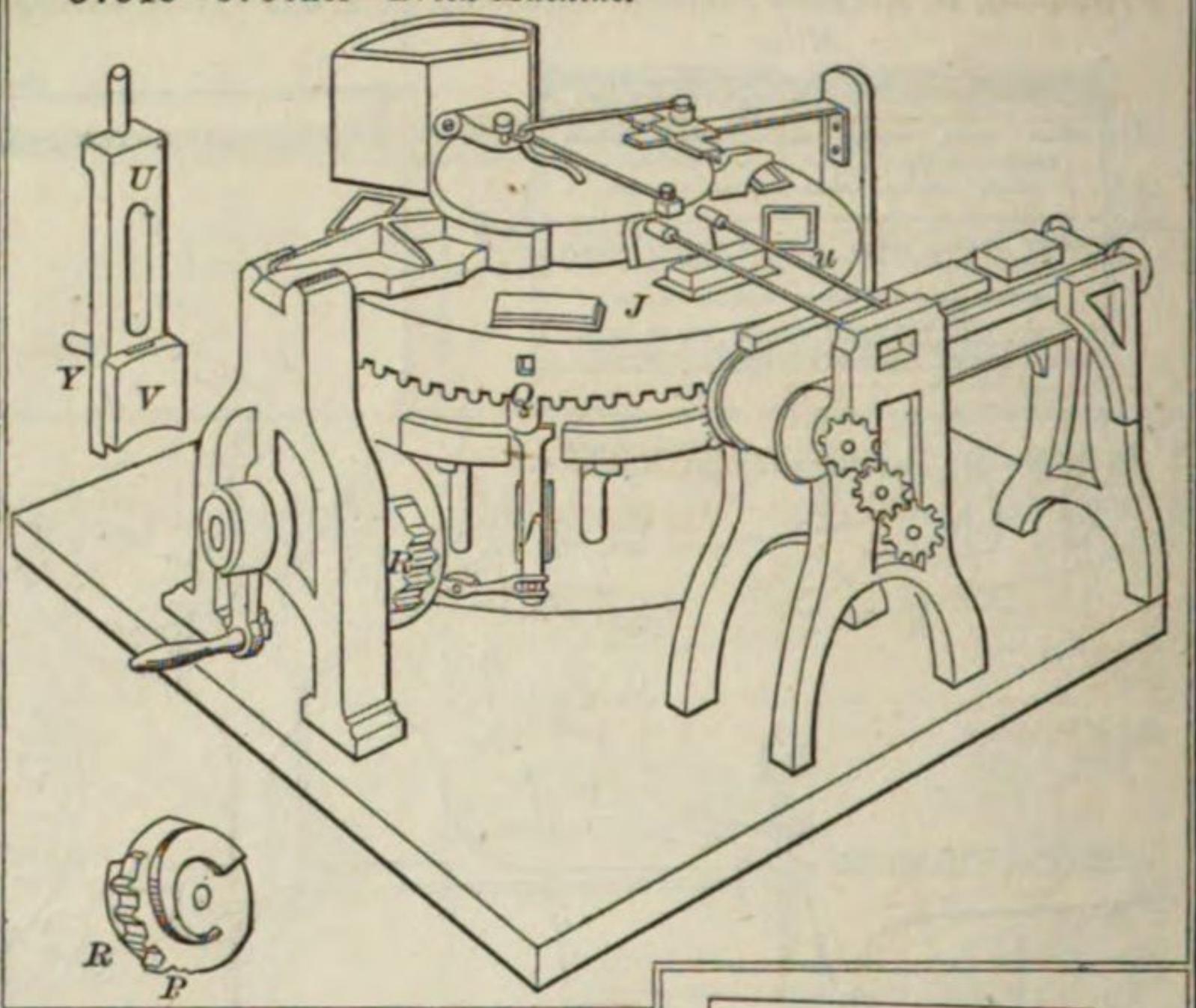
57916—A. W. Jackson—*Piston Packing.*



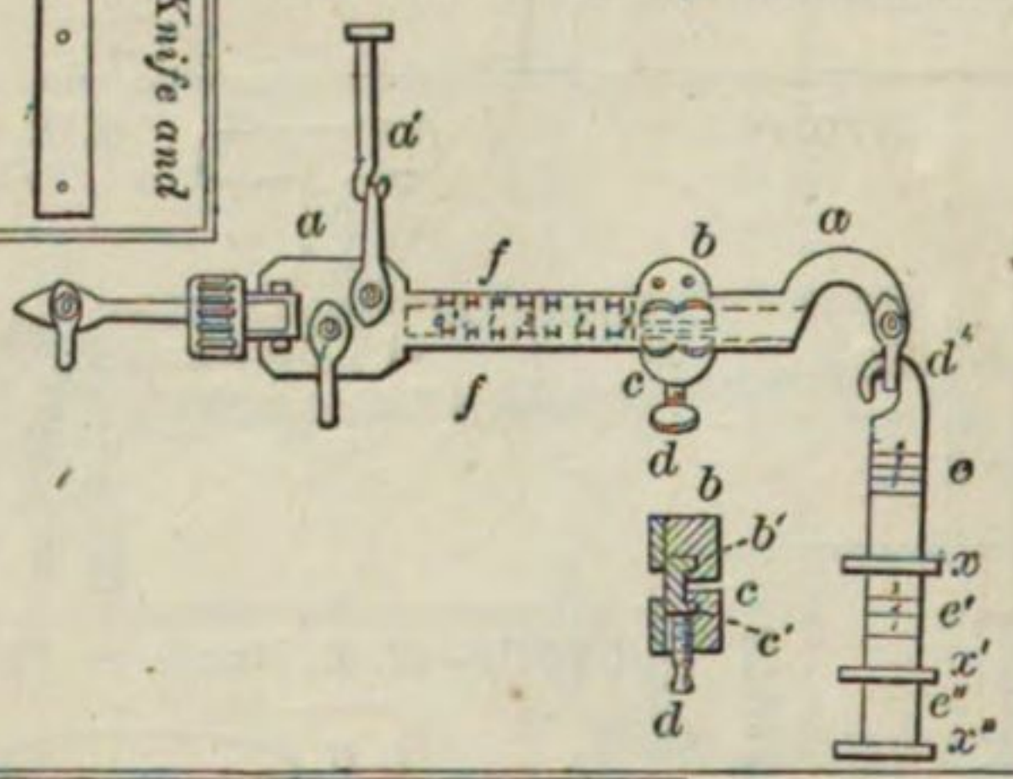
57918—J. S. Jennings—*Combined Knife and Fork.*



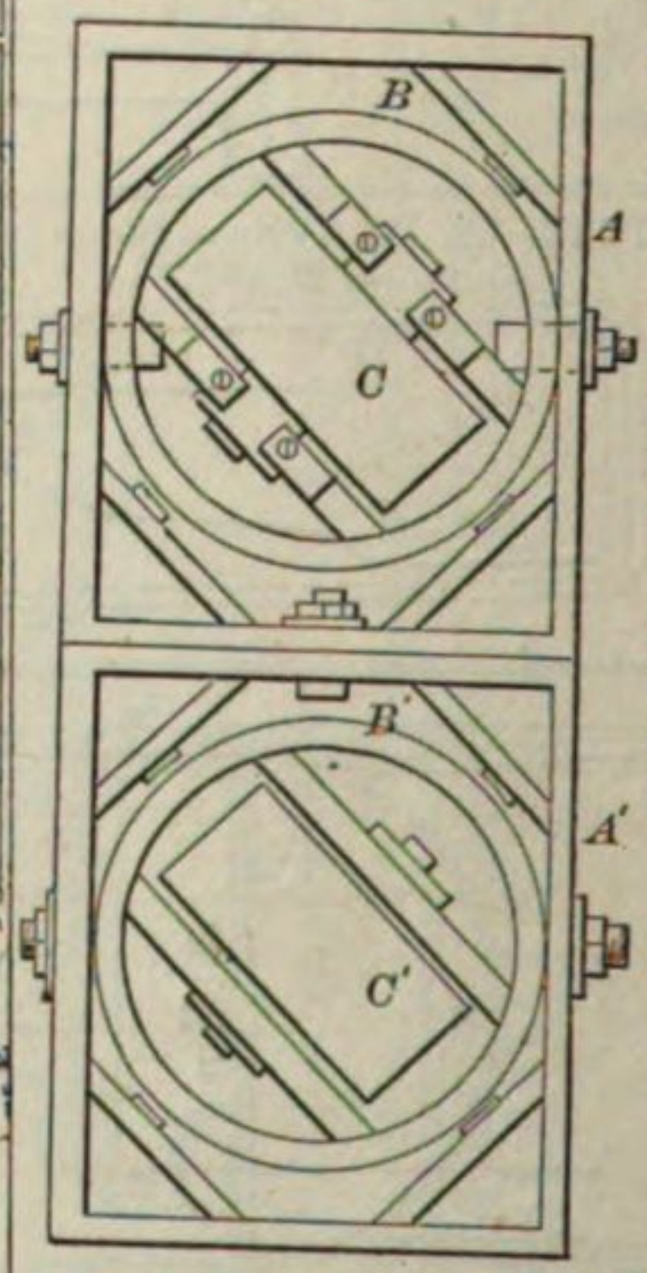
57919—J. Jones—*Brick Machine.*



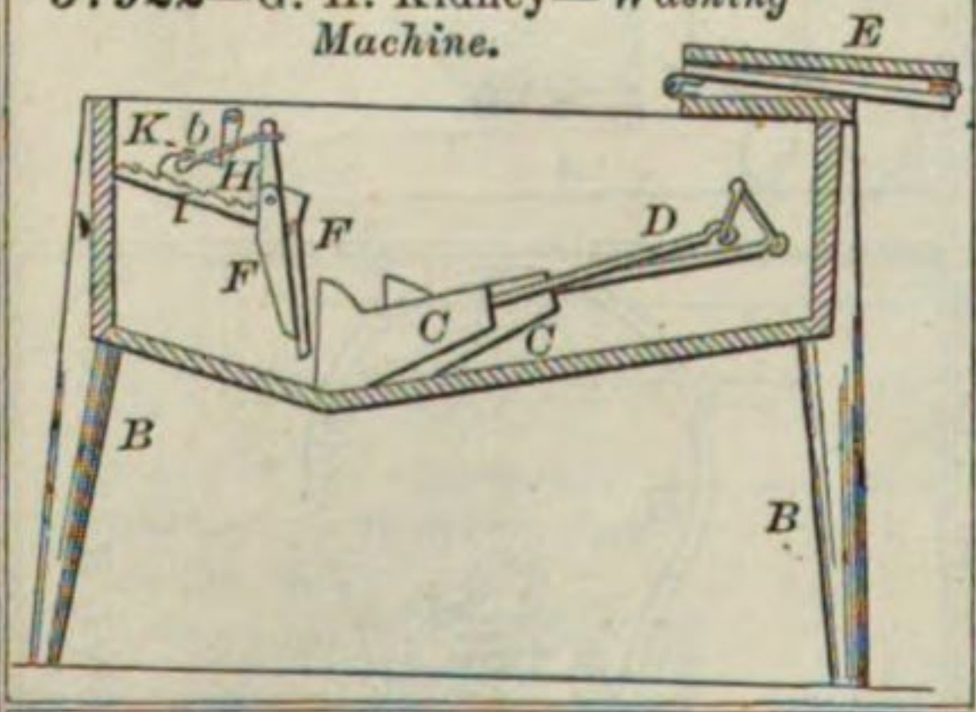
57921—J. F. Keeler—*Scale Beam.*



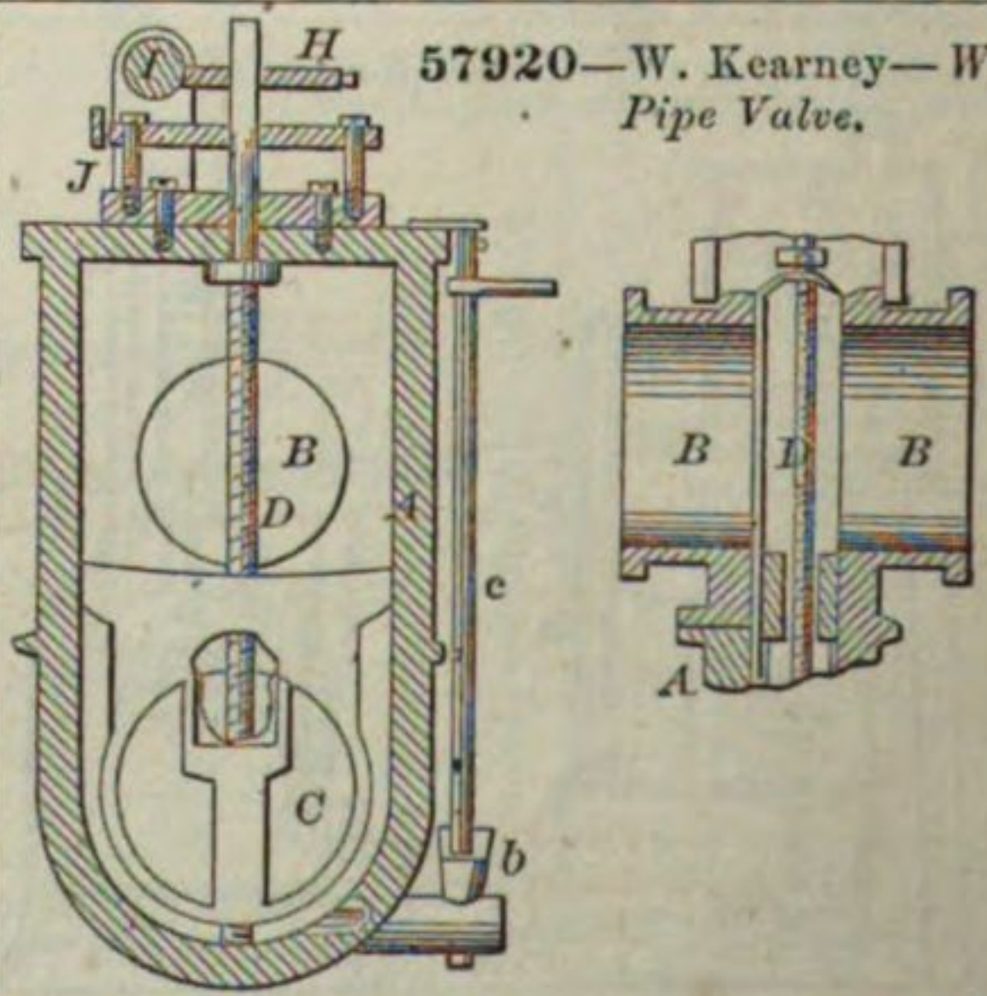
57917—L. R. Jenkins—*Belt Guide.*



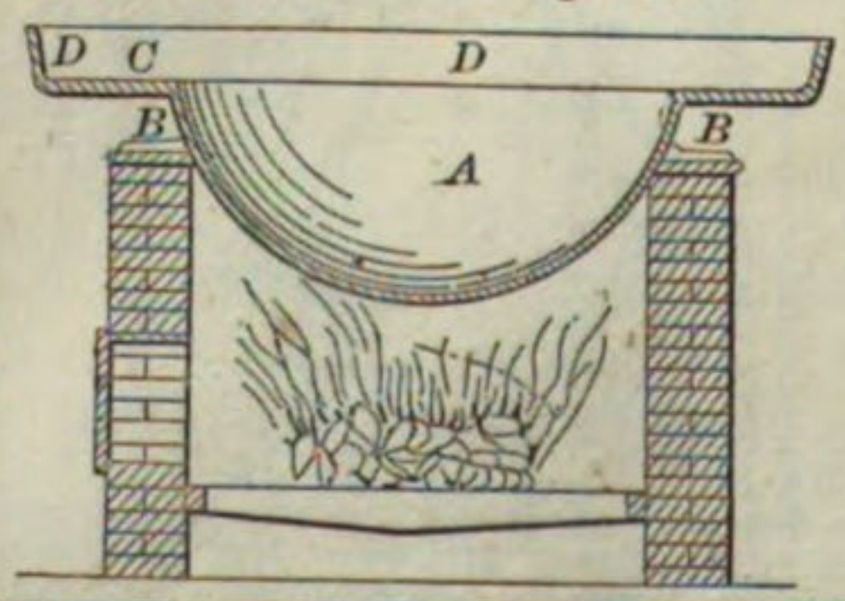
57922—G. H. Kidney—*Washing Machine.*



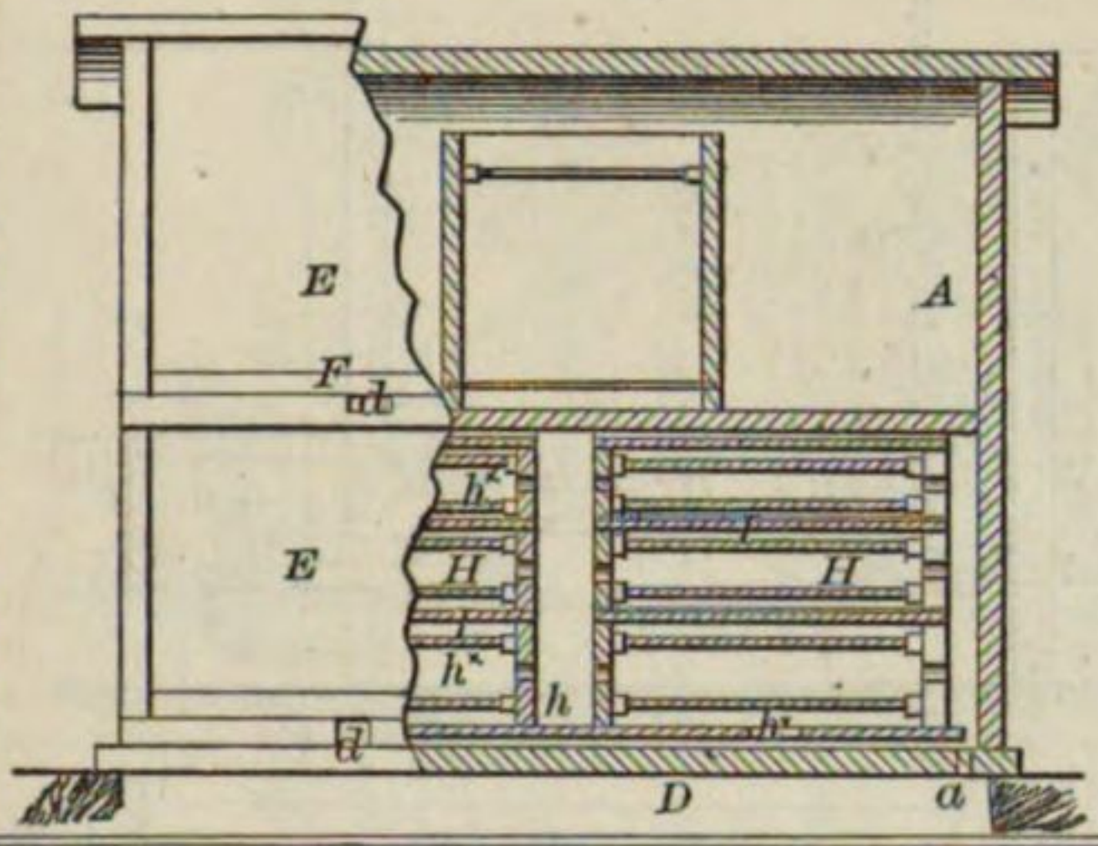
57920—W. Kearney—*Water Pipe Valve.*



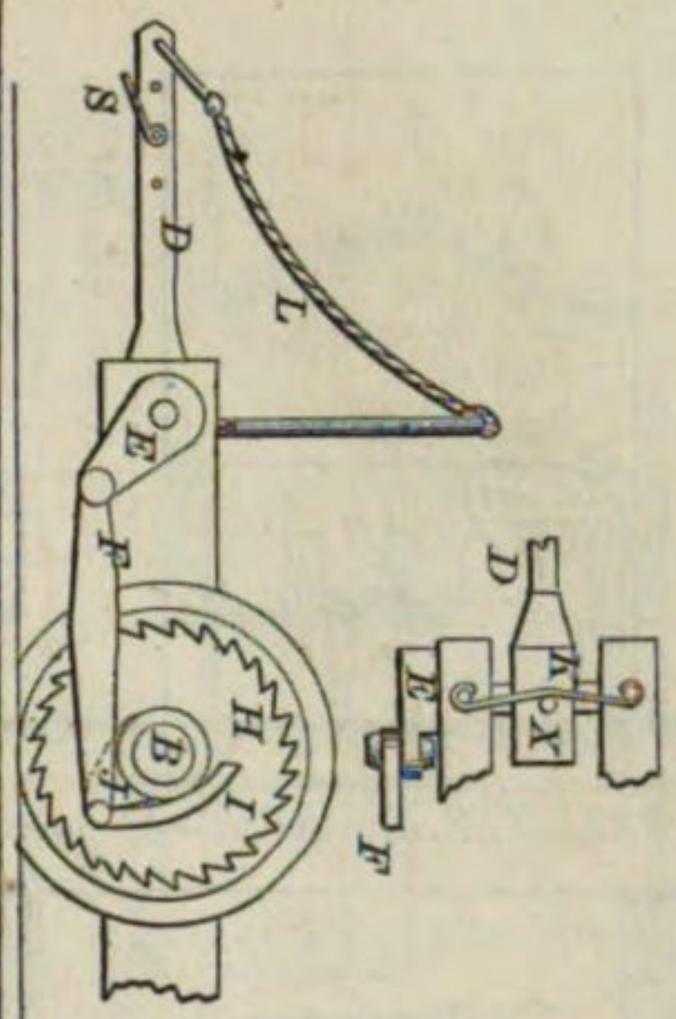
57923—D. Kinzer—*Evaporator.*



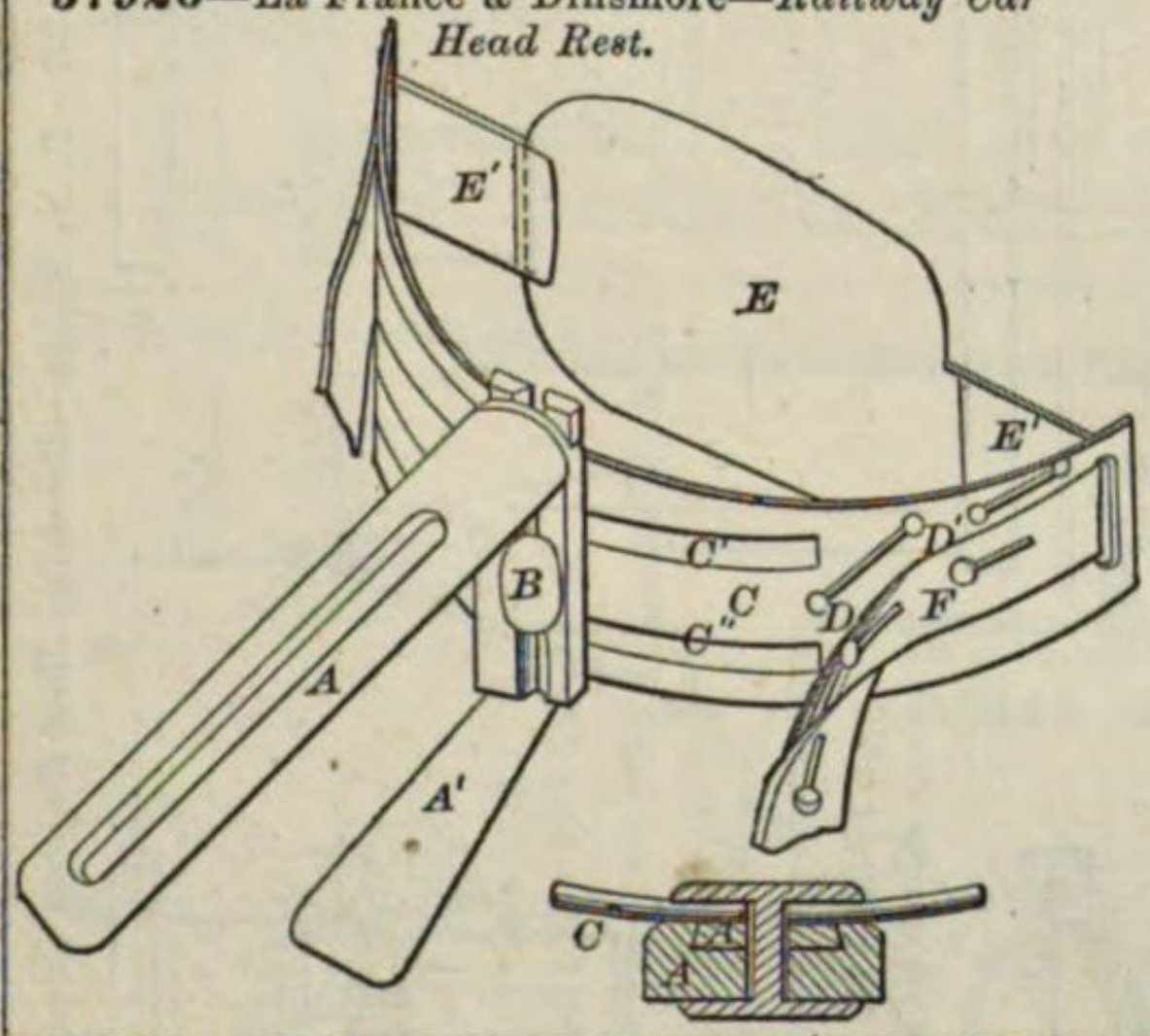
57924—E. N. Kingsley—*Beehive.*



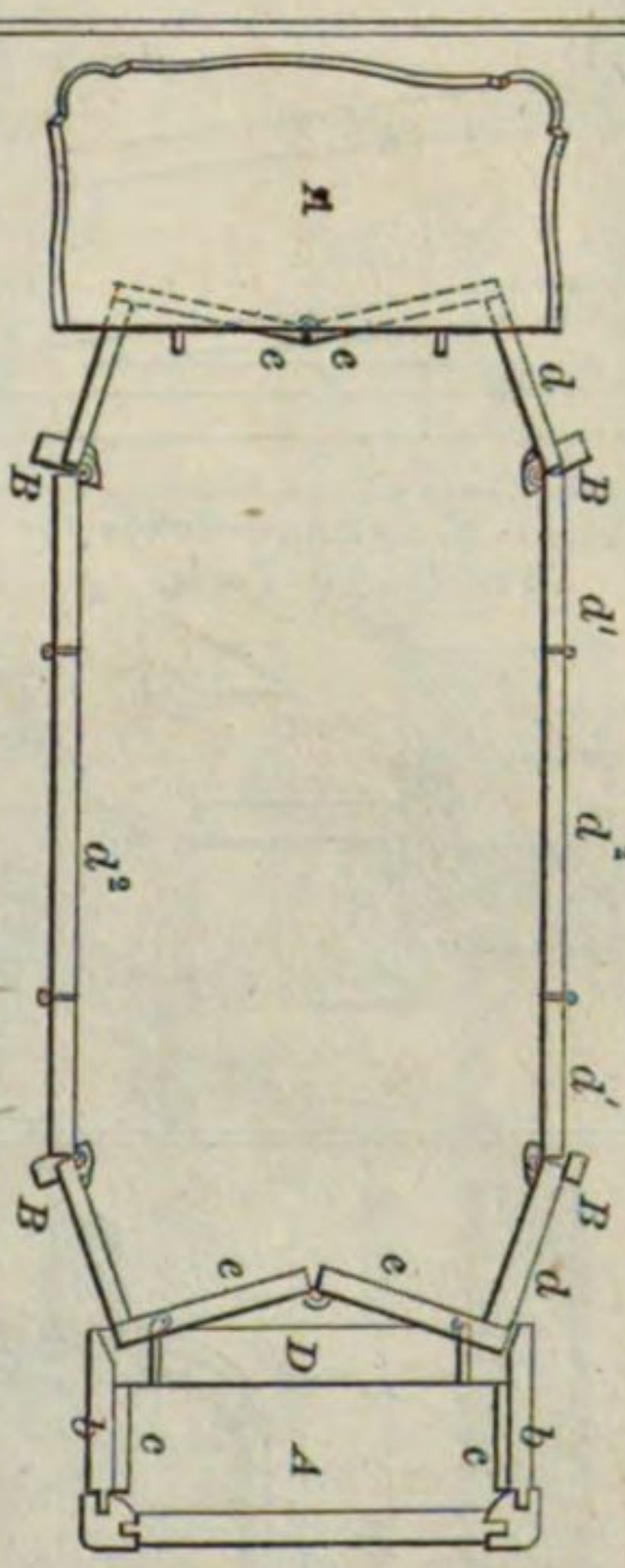
57925—Kums & Burson—*Starting Street Cars.*



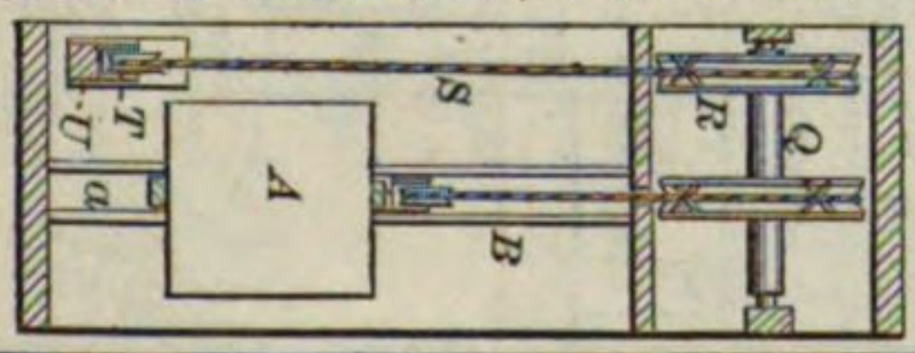
57926—La France & Dinsmore—*Railway Car Head Rest.*



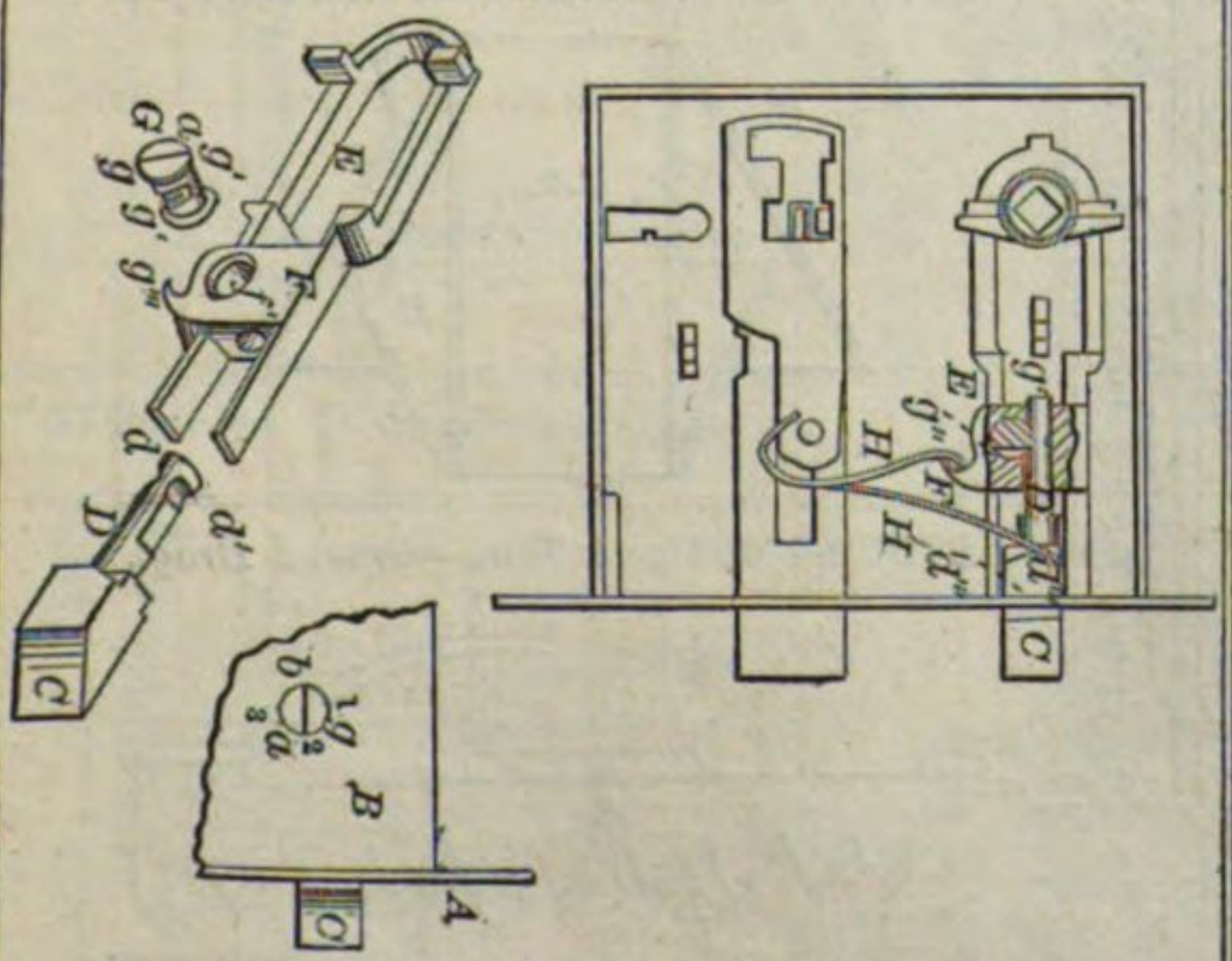
57927—Lauter & Kautz—*Extension Table.*



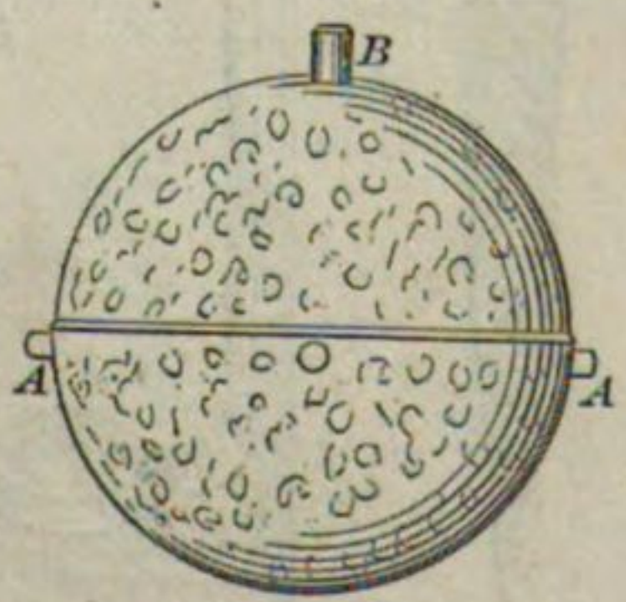
57928—R. W. Lawrence—*Dumb Waiter.*



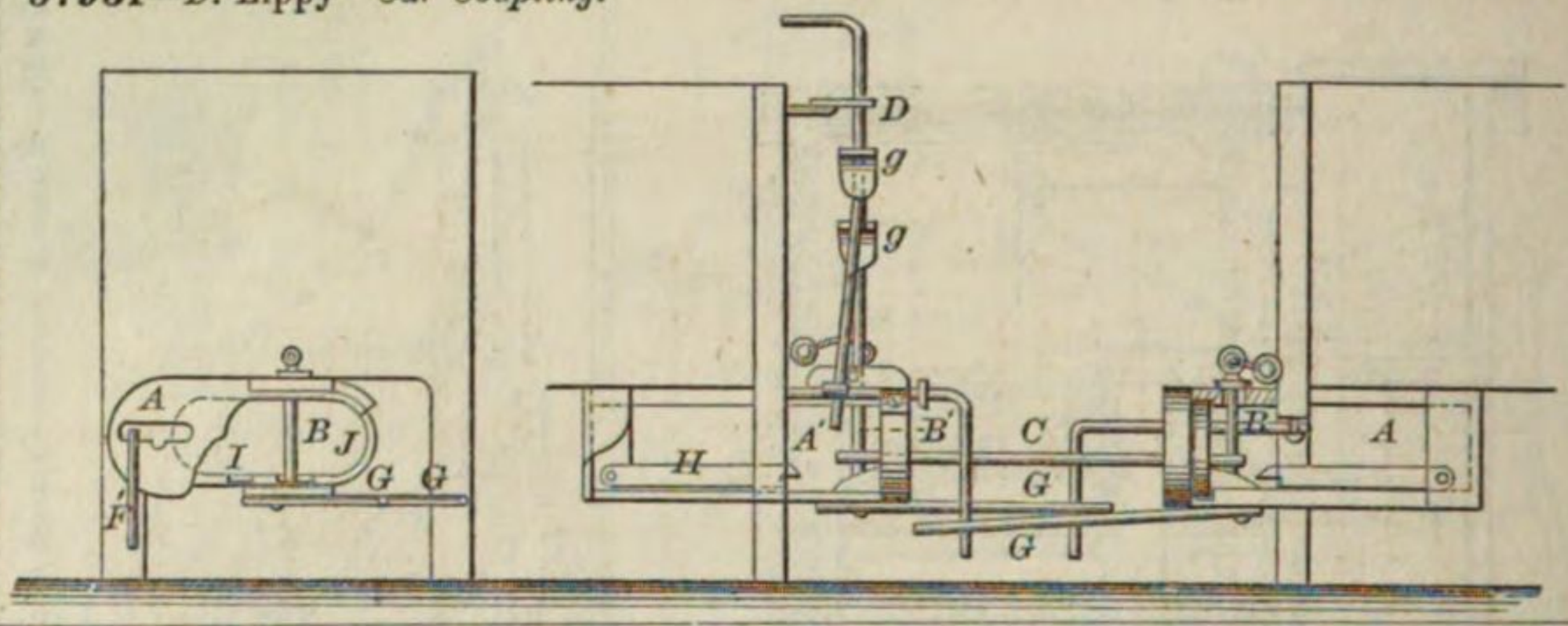
57930—R. Lee—*Knob Latch.*



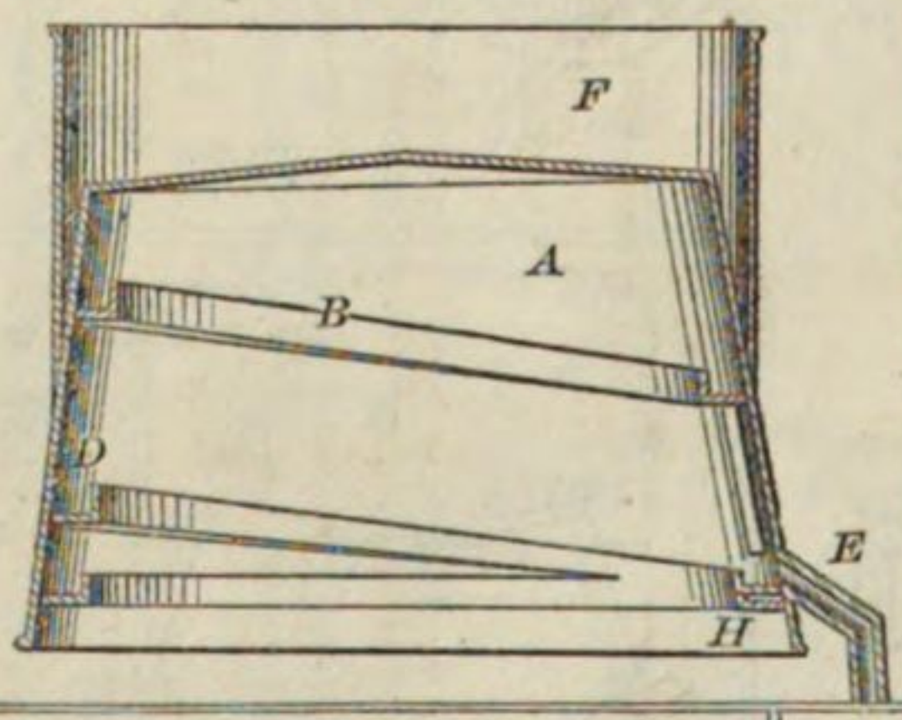
57929—L. L. Lee—*Water Gauge Float.*



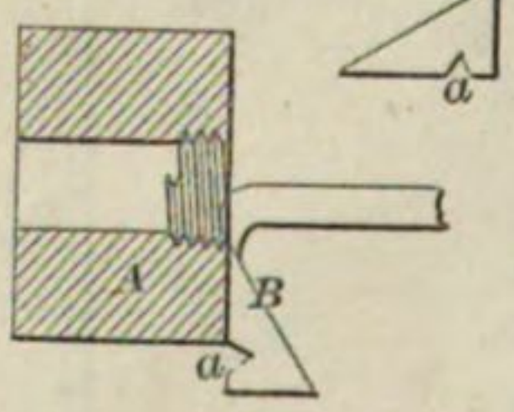
57931—D. Lippy—*Car Coupling.*



57932—J. F. Llewellyn—*Condenser.*

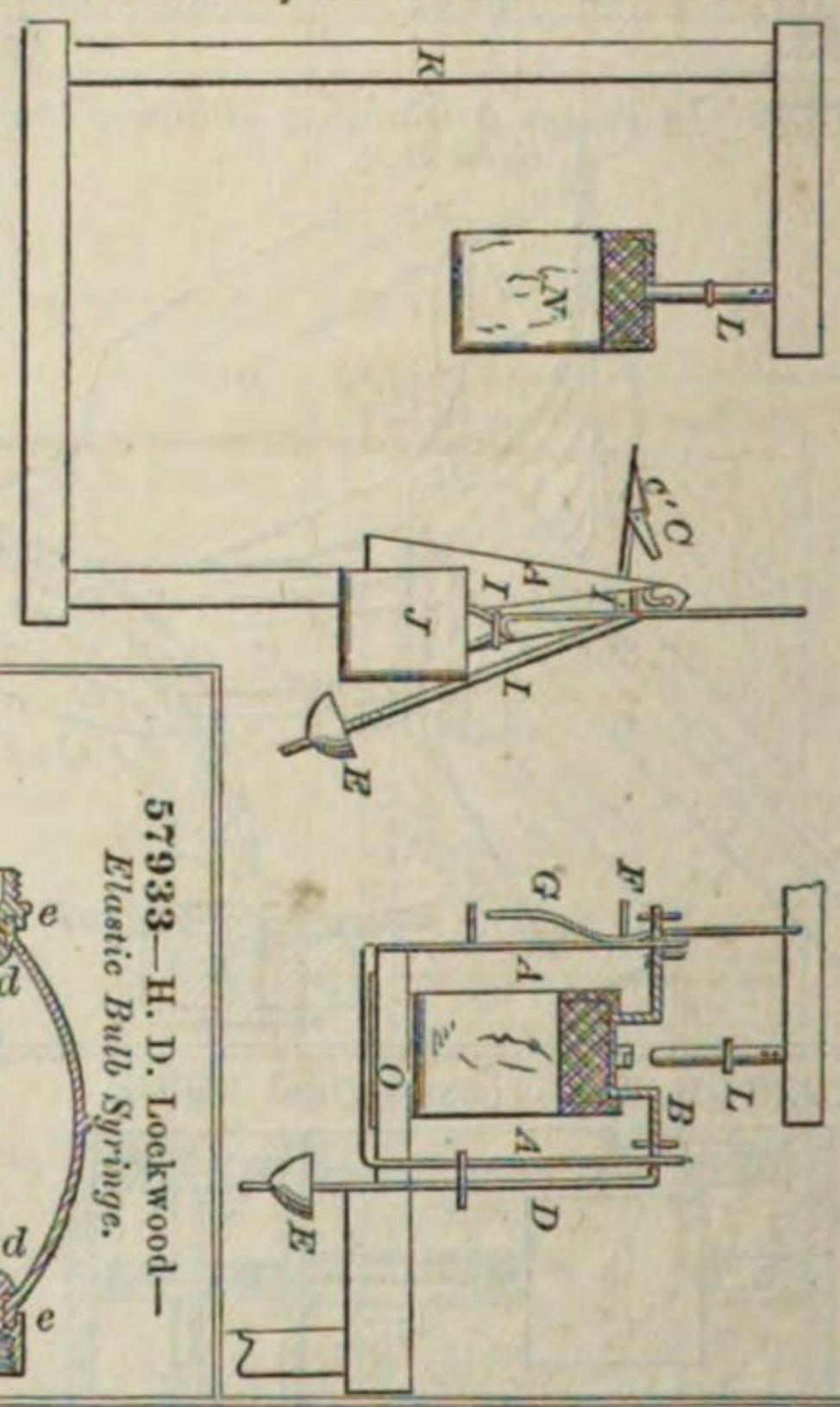


57934—E. Lyman—*Gauge for Screw Cutting Tools.*



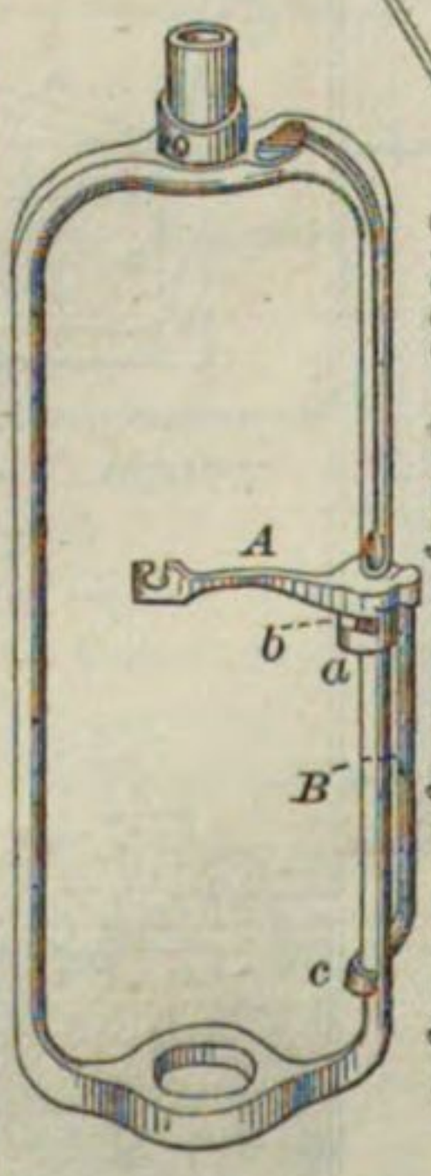
57933—H. D. Lockwood—*Elastic Bulb Syringe.*

57936—P. N. Maine—*Receiving Mail Bags on Cars.*

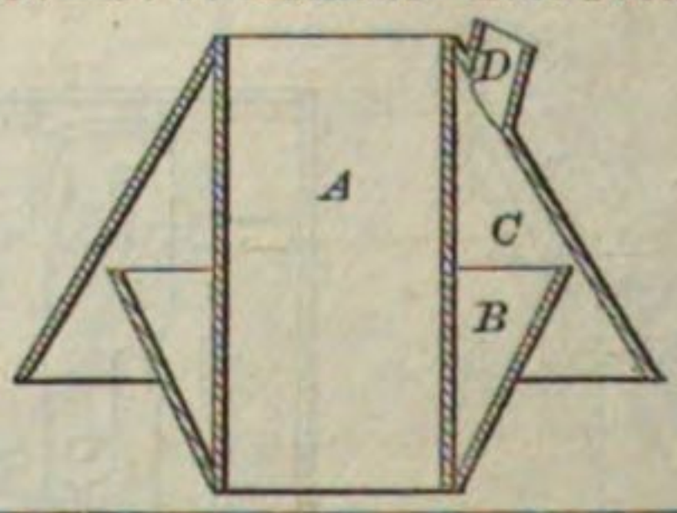


57935—F. A. Mack—*Well Tube.*

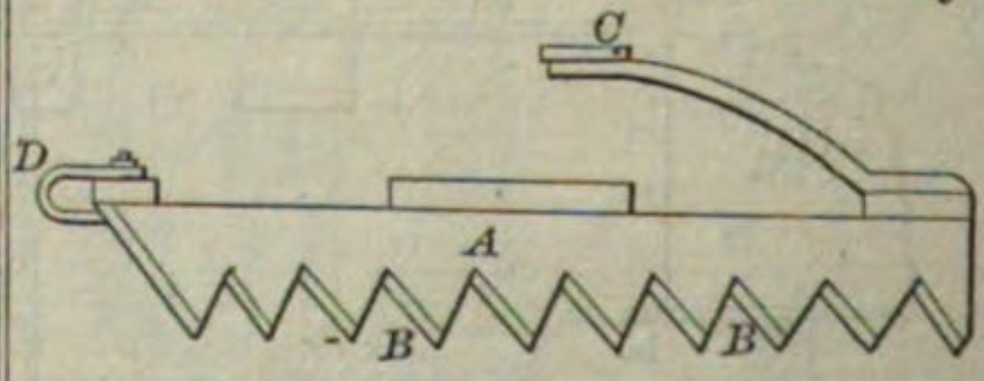
57938—T. Mayor—*Roving Frame Flyer.*



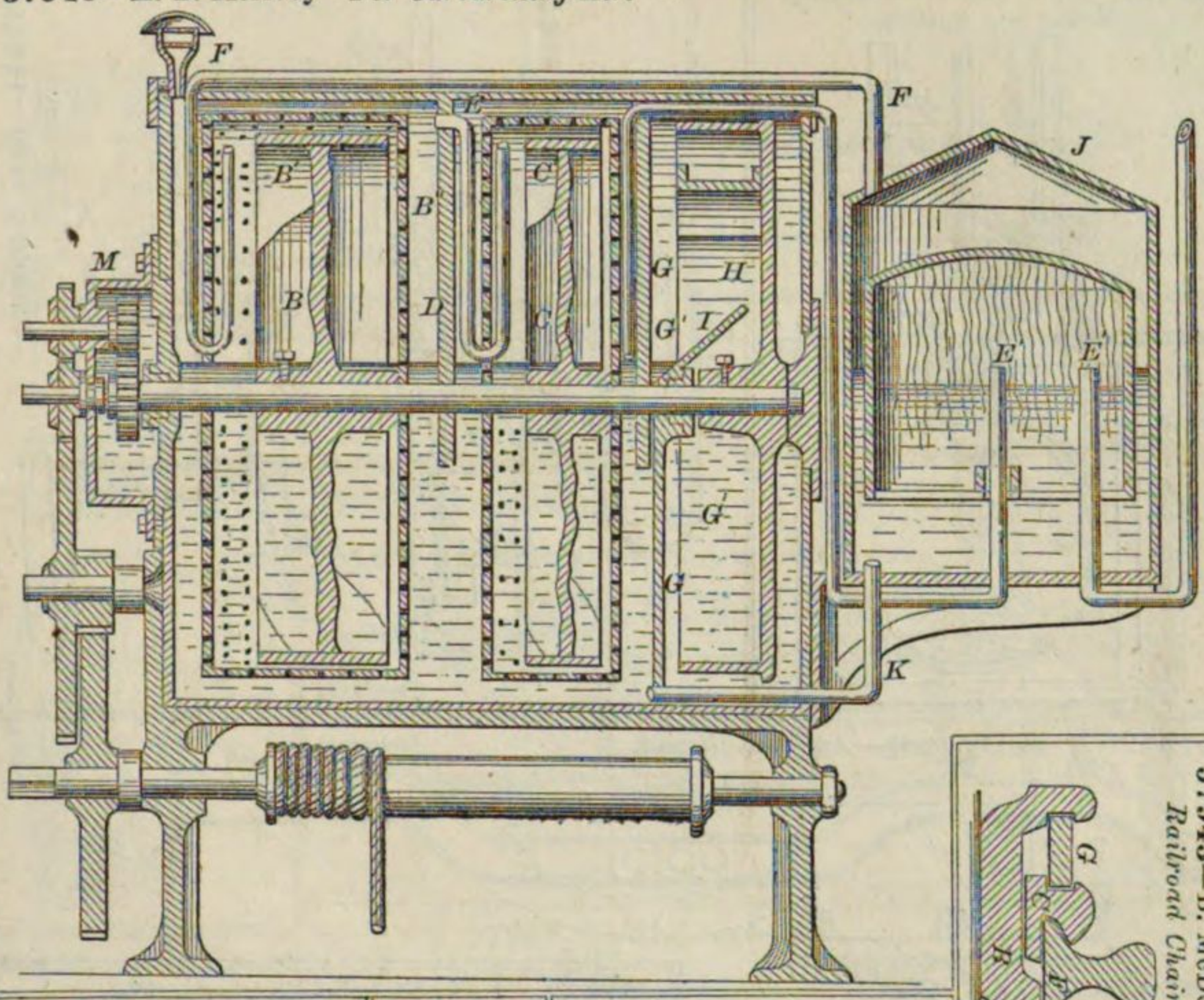
57937—D. P. Mathews—*Tree Protector.*



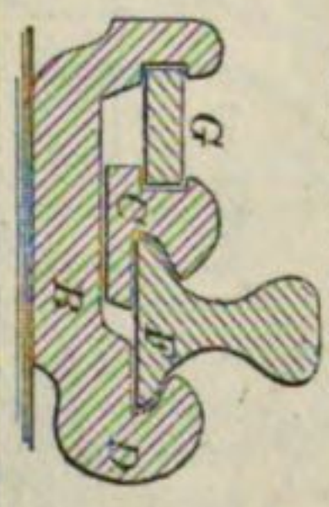
57939—McAfee & Wirt—*Ground Drag.*



57940—H. L. McAvoy *For Carburetting Air.*

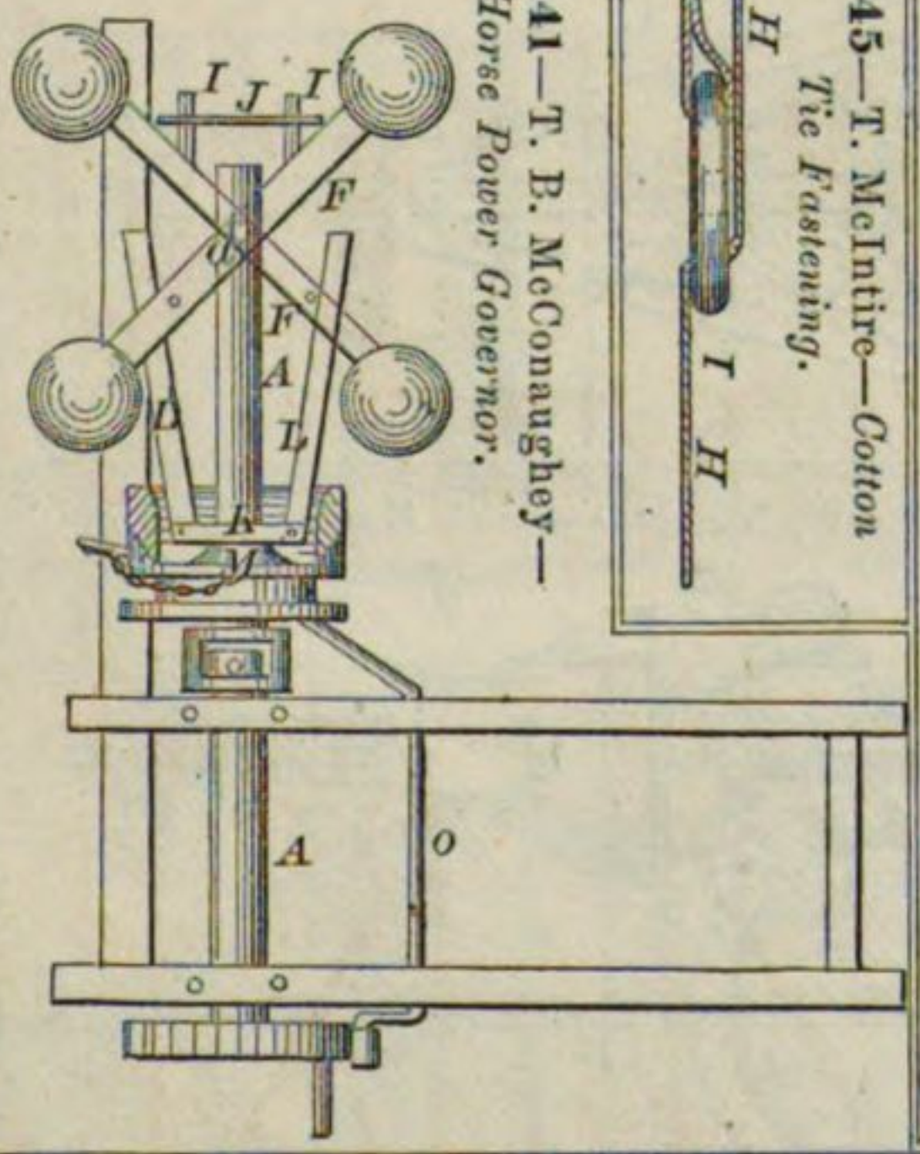


57943—B. McDevitt—*Railroad Chair.*

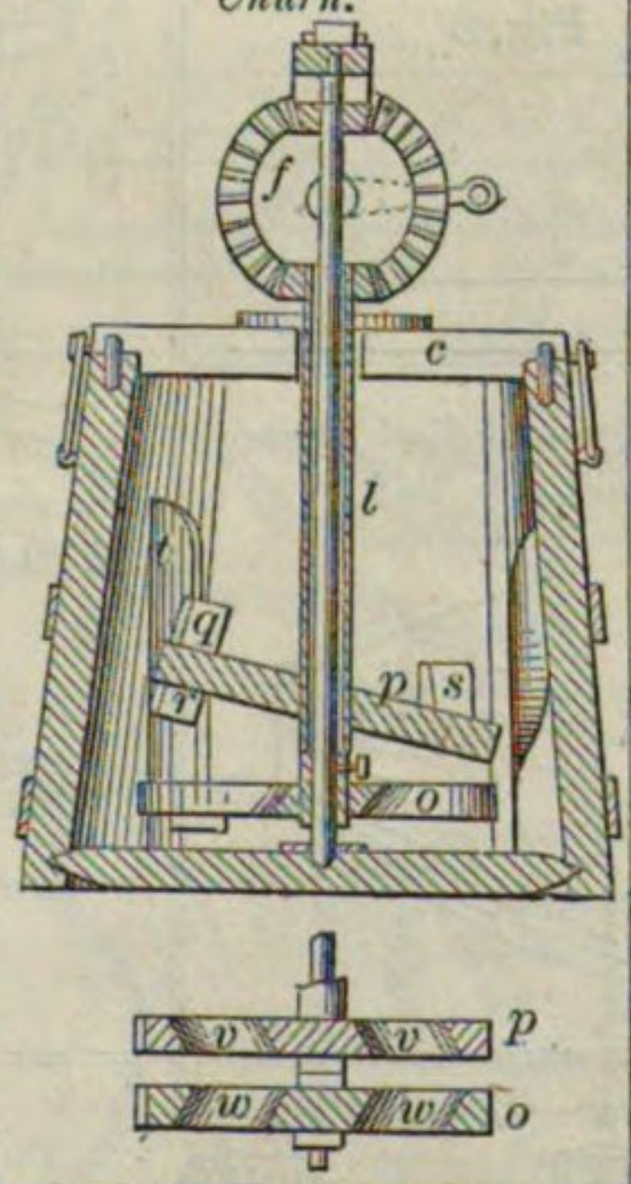


57945—T. McIntire—*Cotton Tie Fastening.*

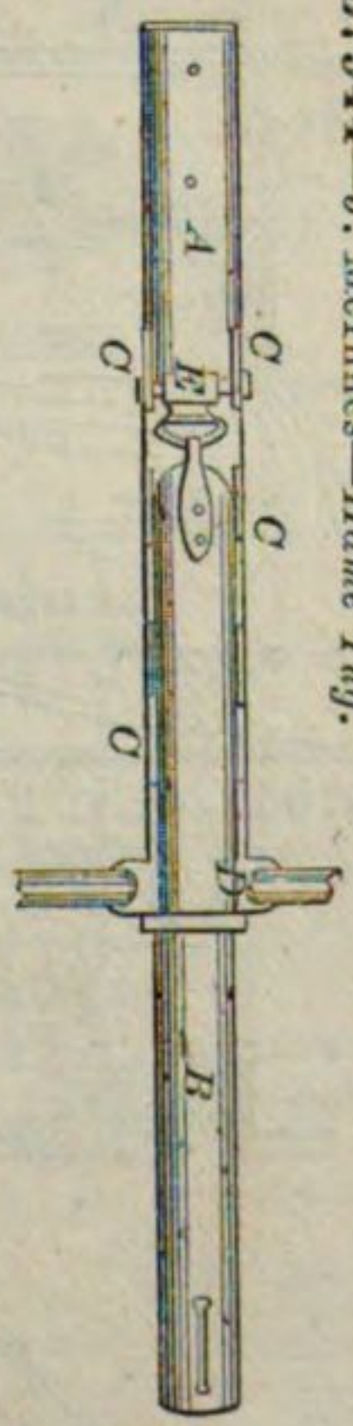
57941—T. B. McConaughey—*Horse Power Governor.*



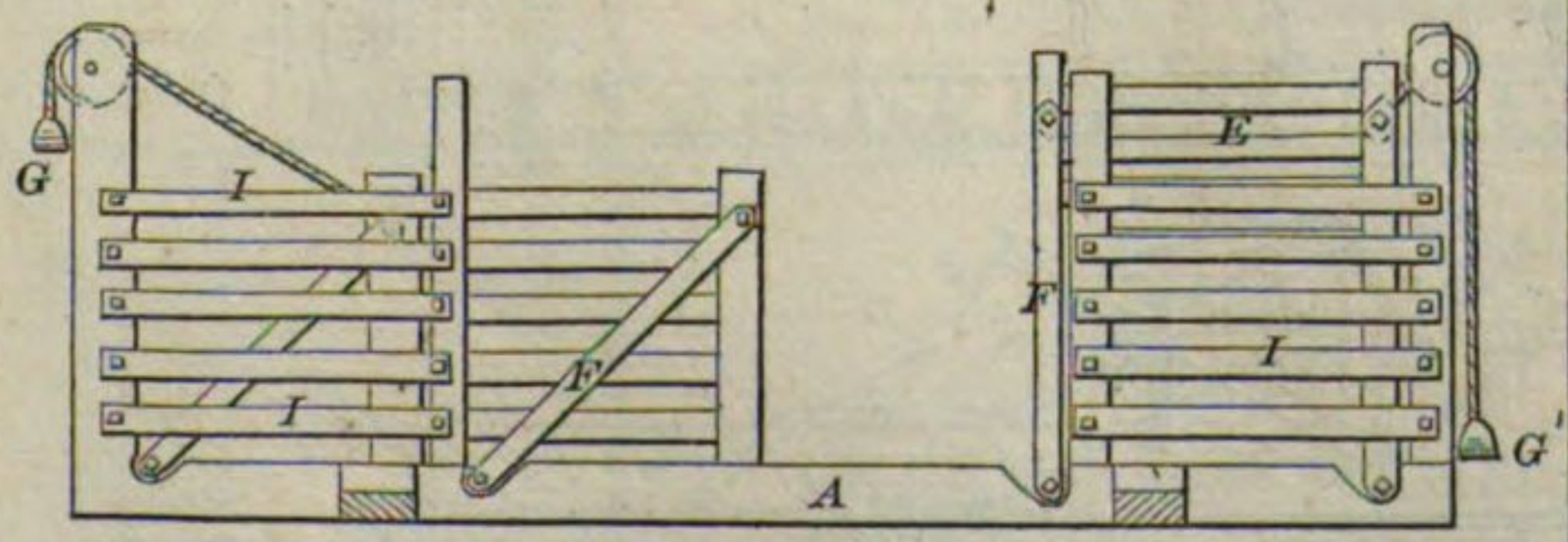
57942—W. R. McCutcheon—*Churn.*



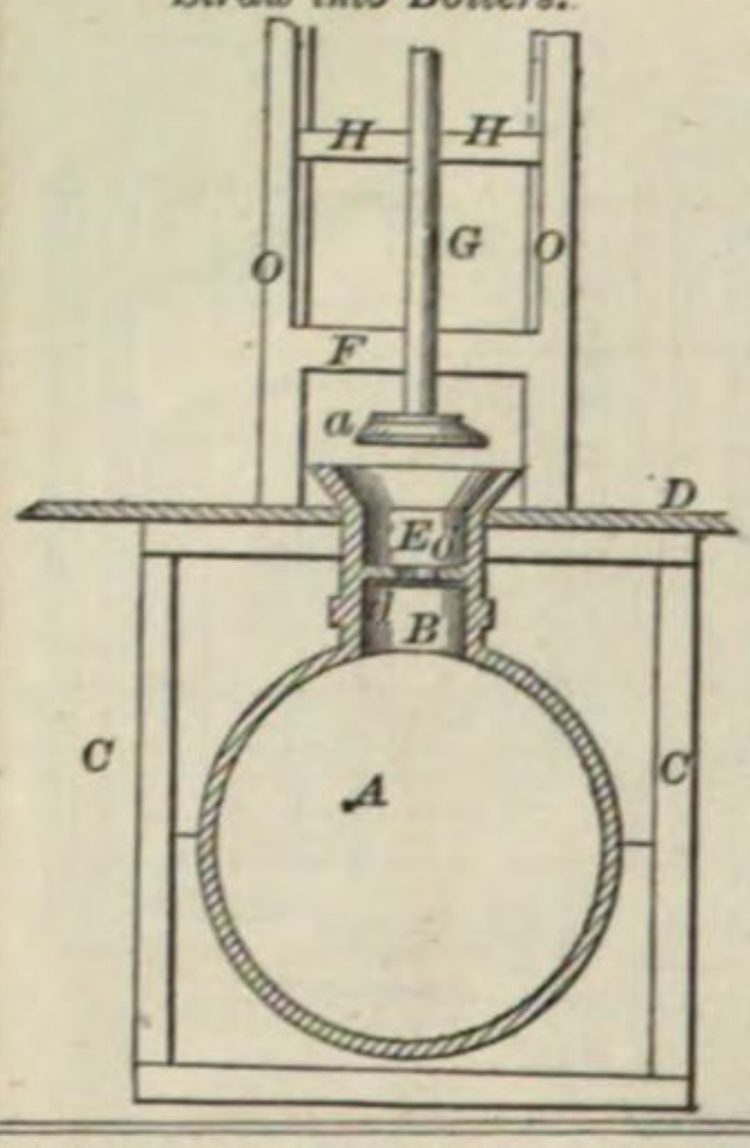
57944—J. McInnes—*Hame Tug.*



57946—H. D. Mead—*Farm Gate.*

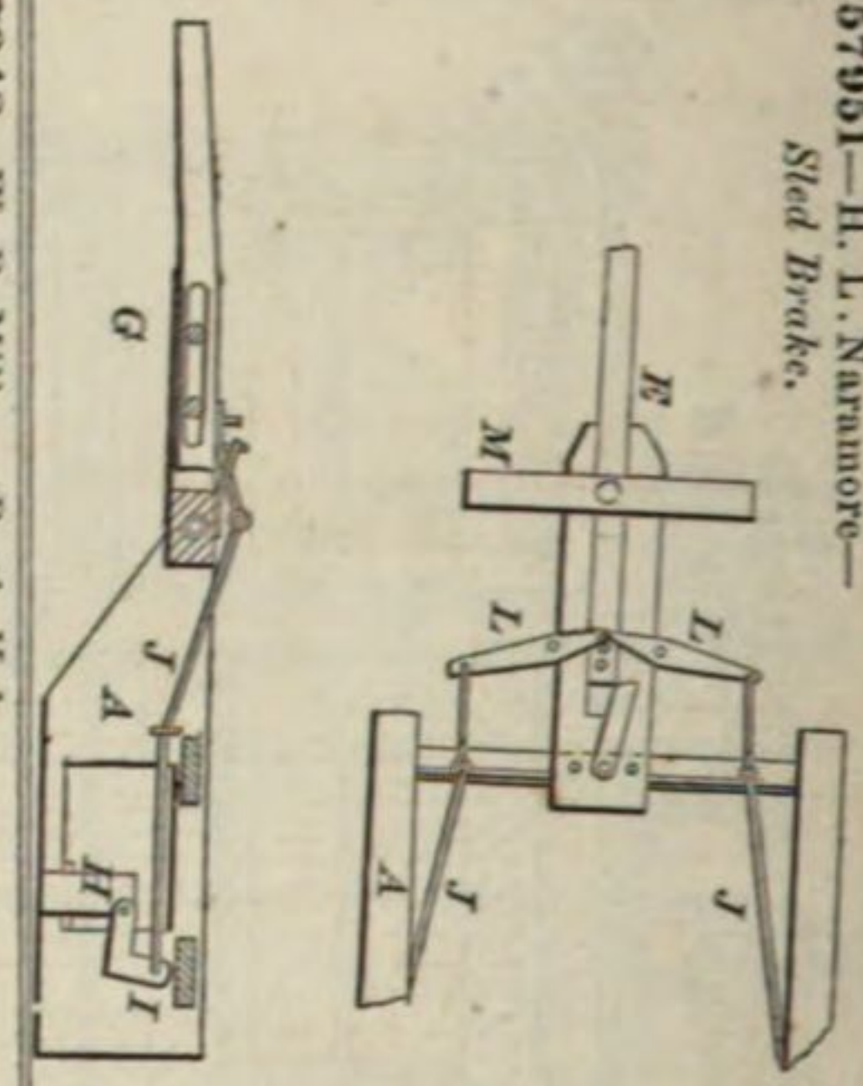


57947—H. B. Meech—*Packing Straw into Boilers.*



57948 W. P. Miller—*Bottle Valve.*

57951—H. L. Naramore—*Sled Brake.*



57949—R. Montgomery—*Aerial Railroad.*

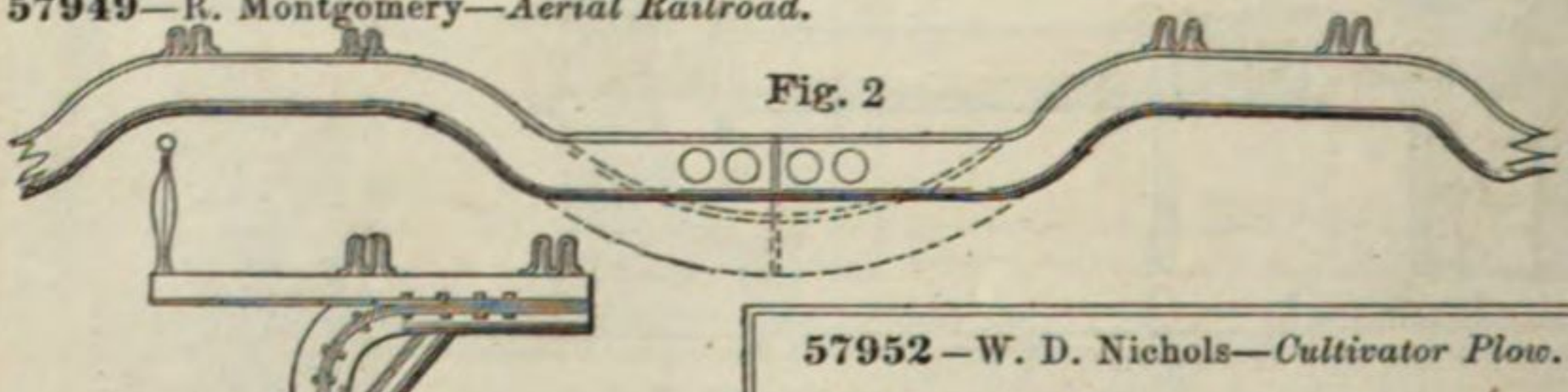


Fig. 2

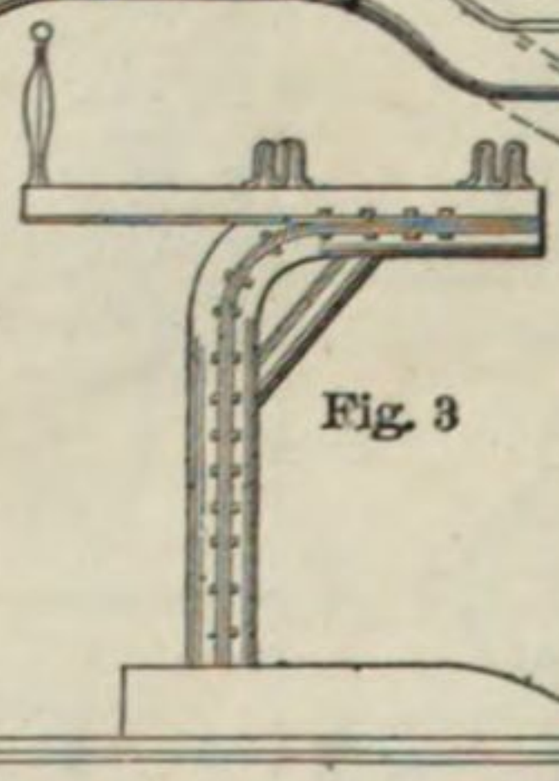
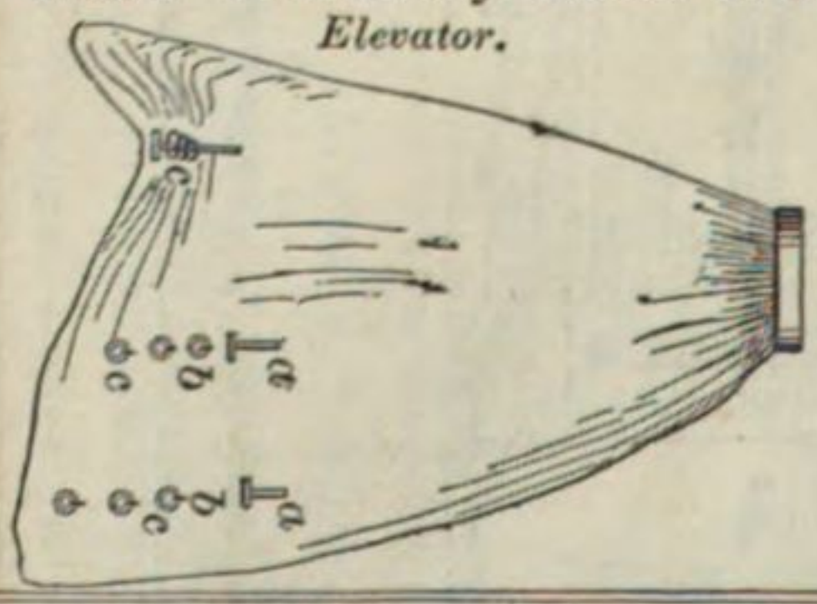
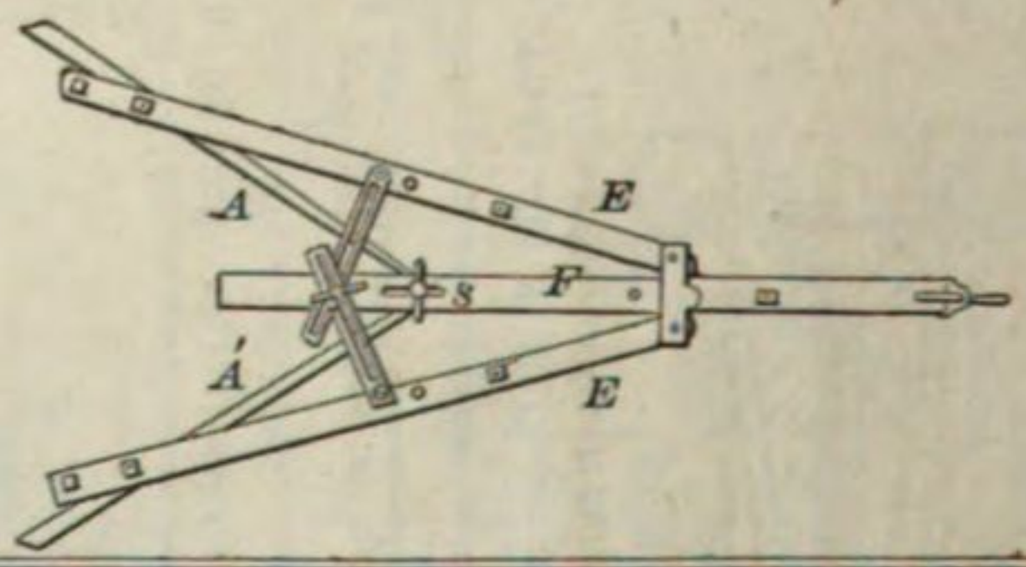


Fig. 3

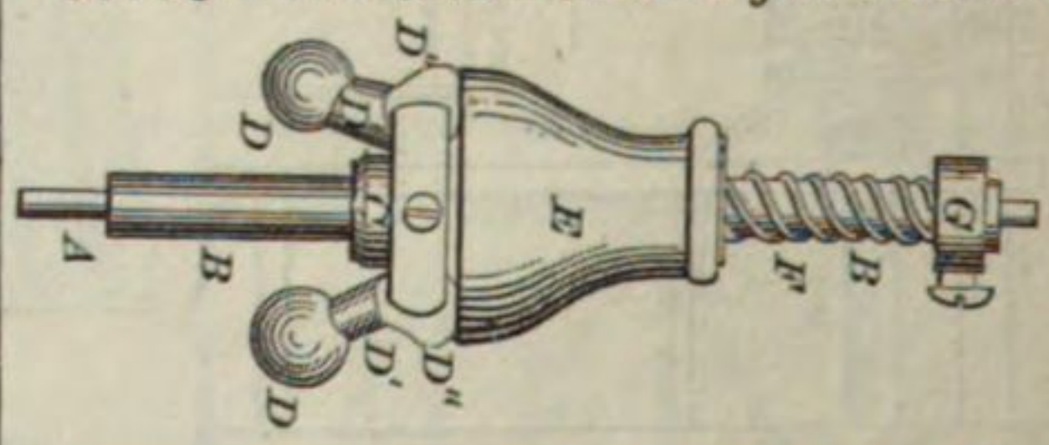
57950—S. A. Moody—*Ladies' Dress Elevator.*



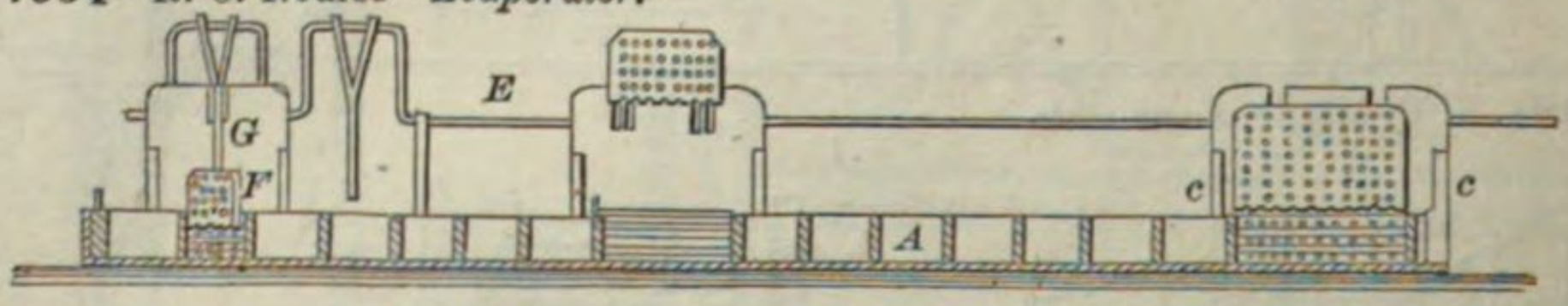
57952—W. D. Nichols—*Cultivator Plow.*

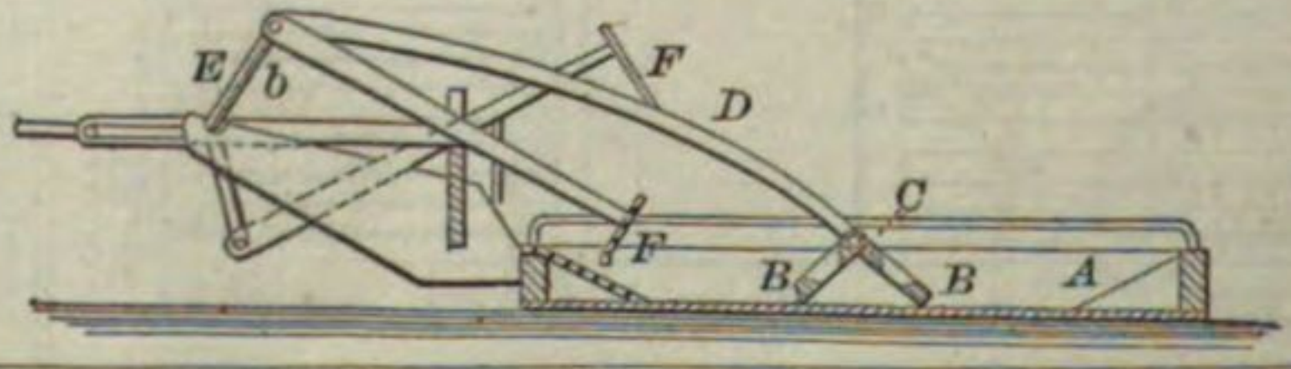


57953—W. Nichols—*Steam Engine Governor.*

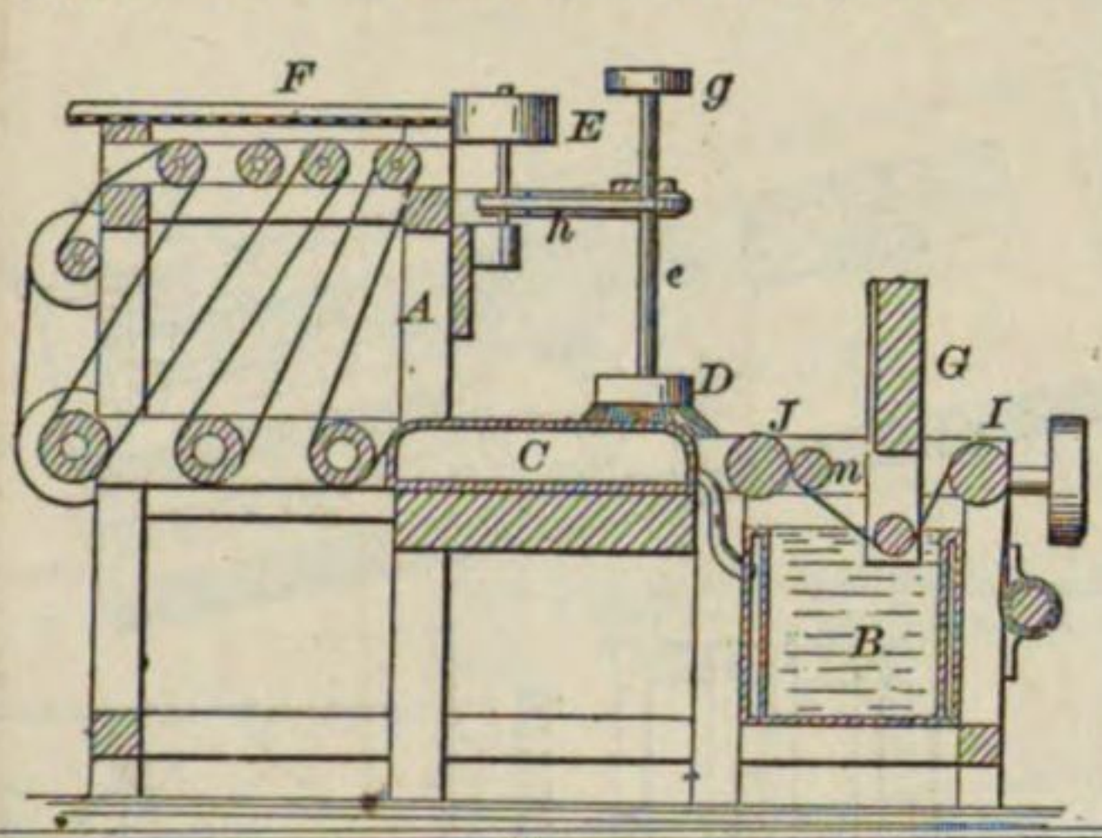


57954—R. C. Nourse—*Evaporator.*

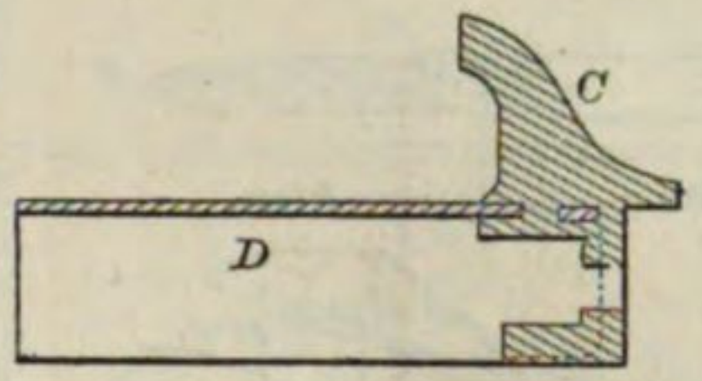


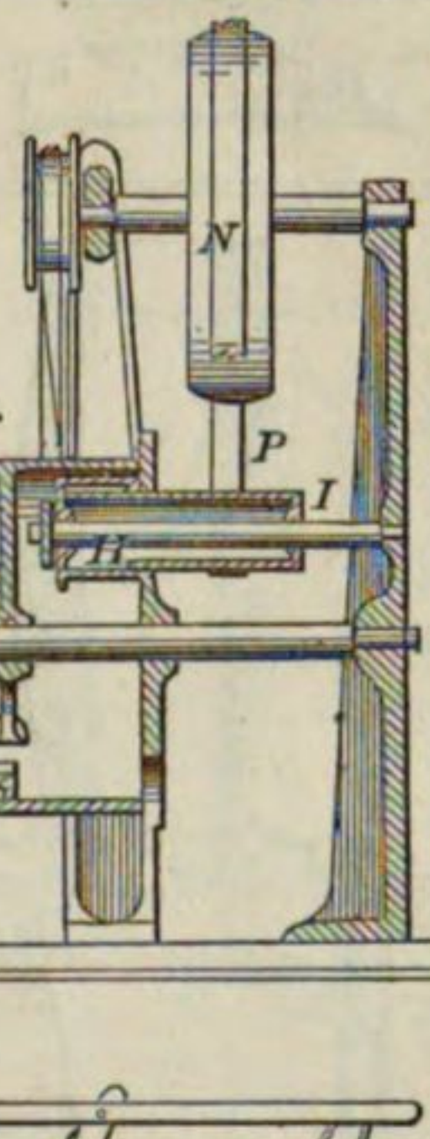


57955—S. B. B. Nowlan—*Varnishing Cloth.*

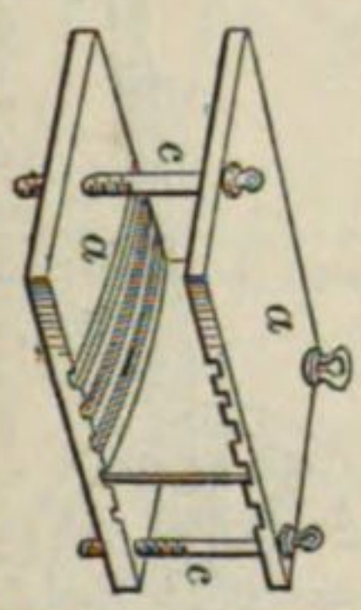


57957—C. Parker—*Vise.*

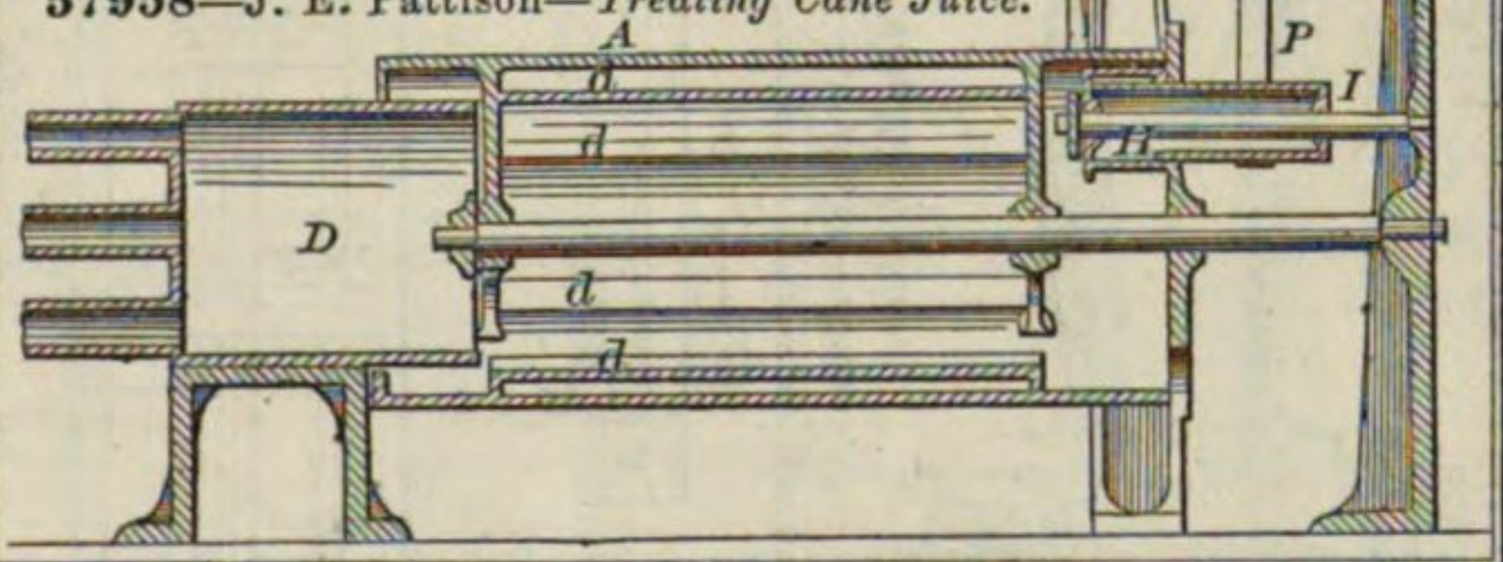




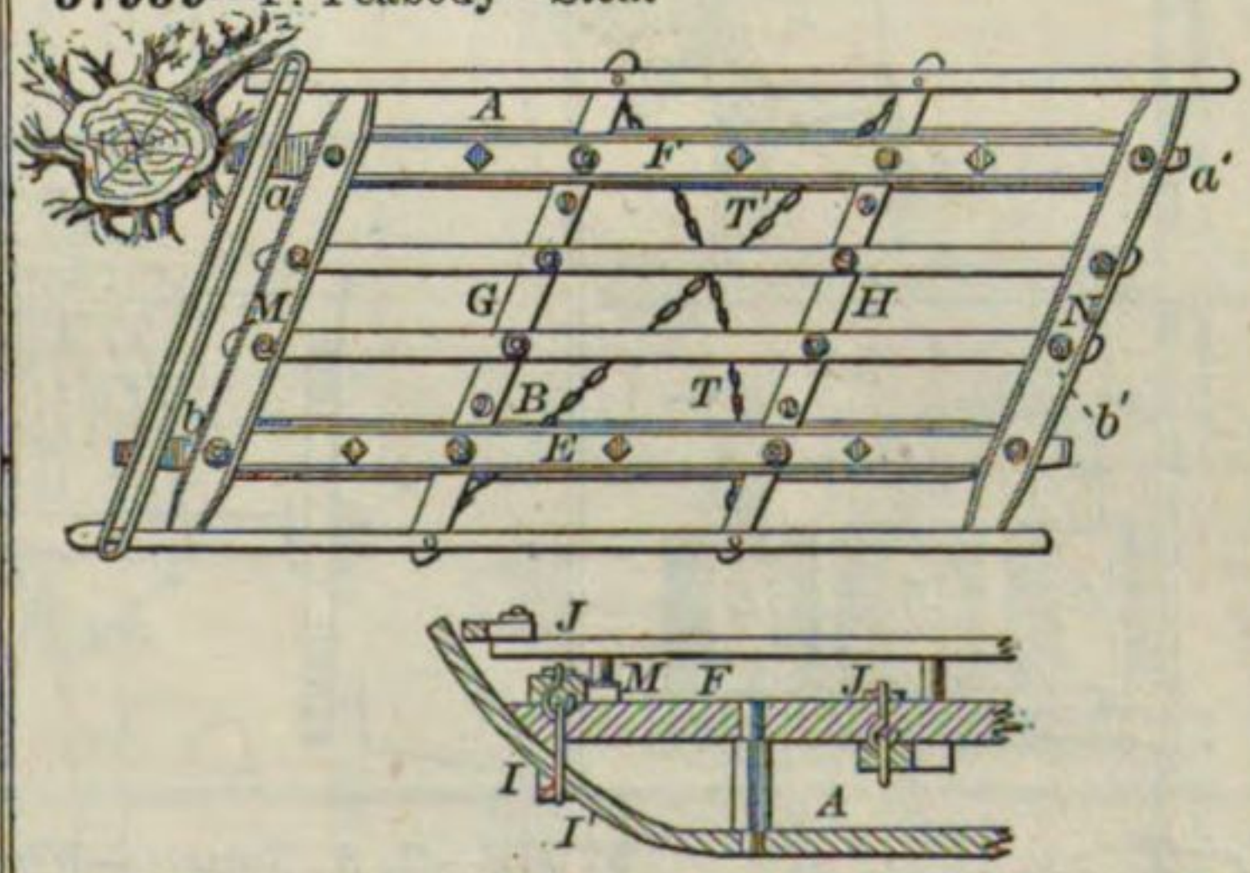
57963—A. C. Platt—*Photograph Dryer*



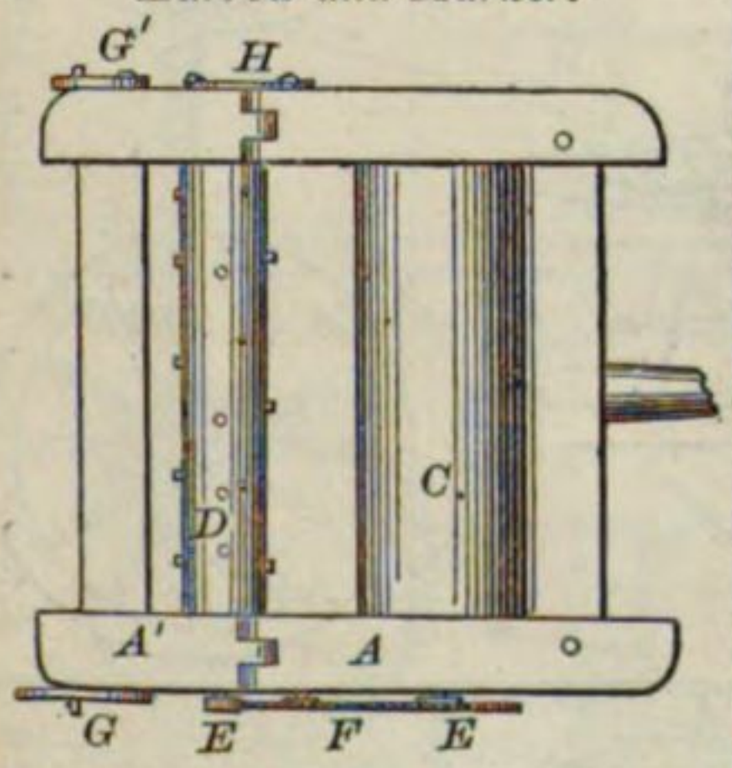
57958—J. E. Pattison—*Treating Cane Juice.*



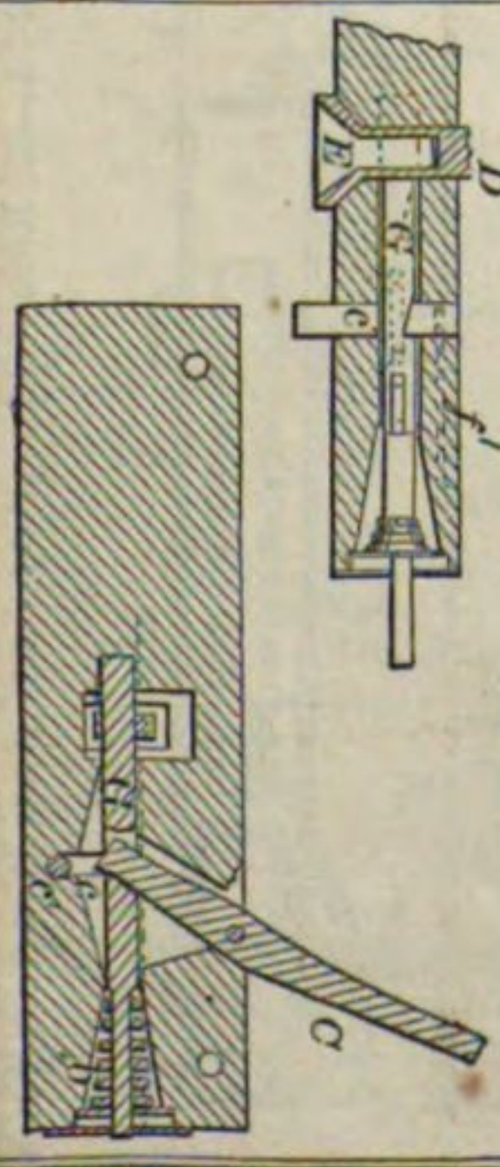
57959—F. Peabody—*Sled.*



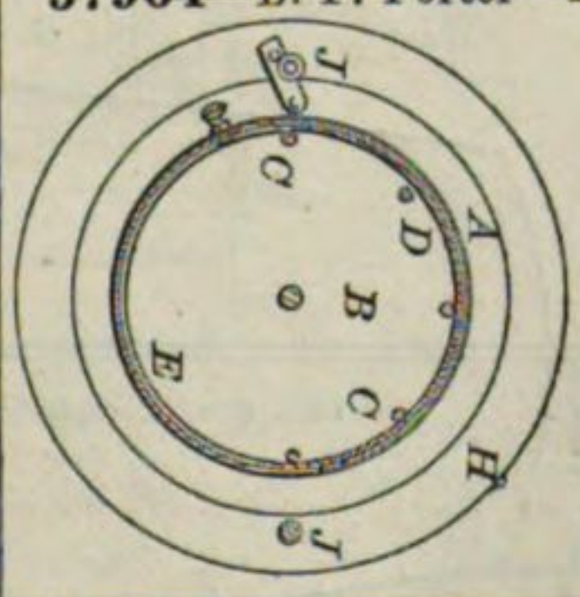
57961—A. Pierce—*Combined Harrow and Marker.*

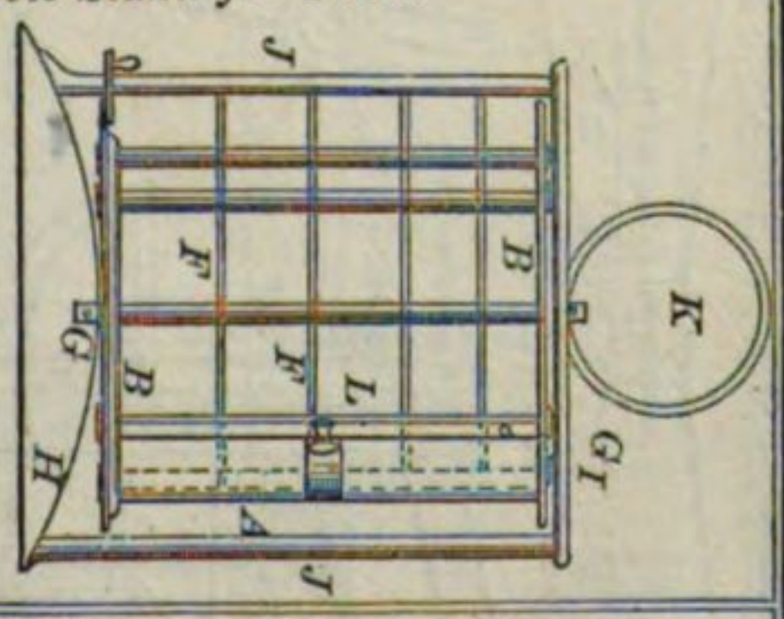


57962—A. Pierce—*Car Coupling.*

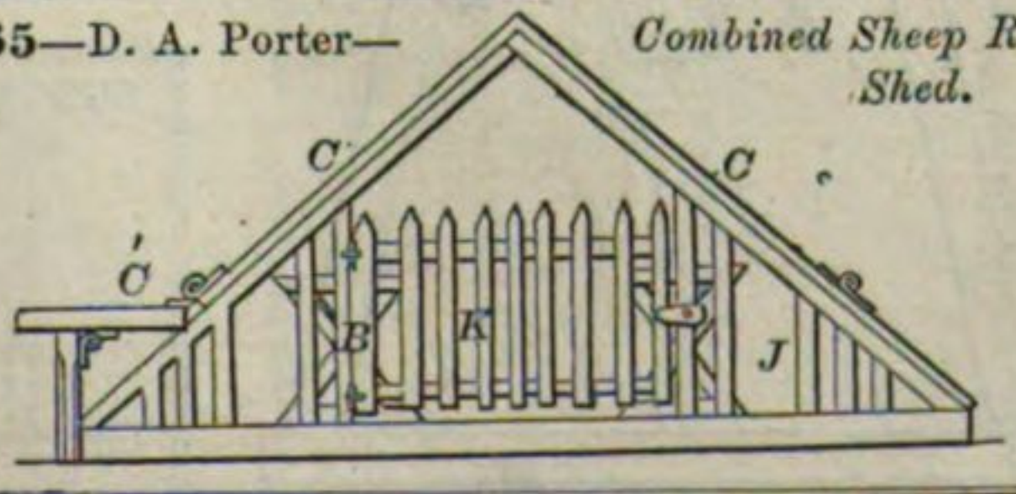


57964—B. F. Porter—*Table Stand for Food.*



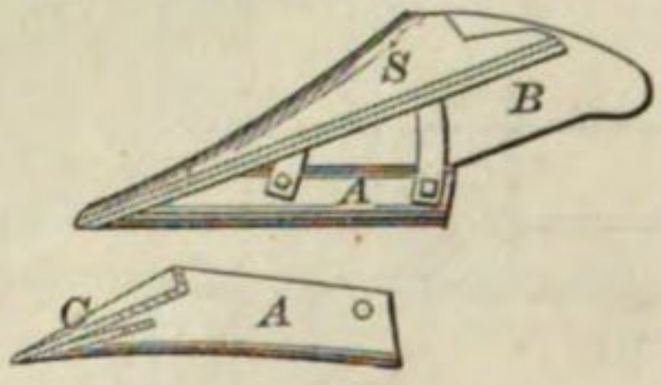


57965—D. A. Porter—*Combined Sheep Rack and Shed.*

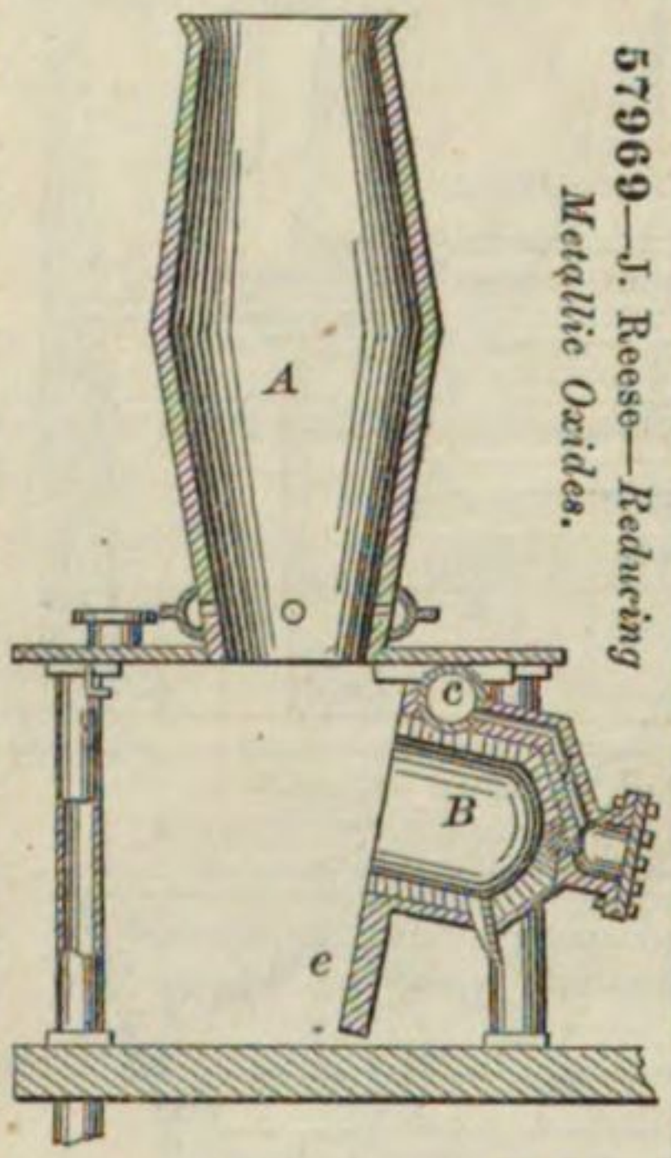


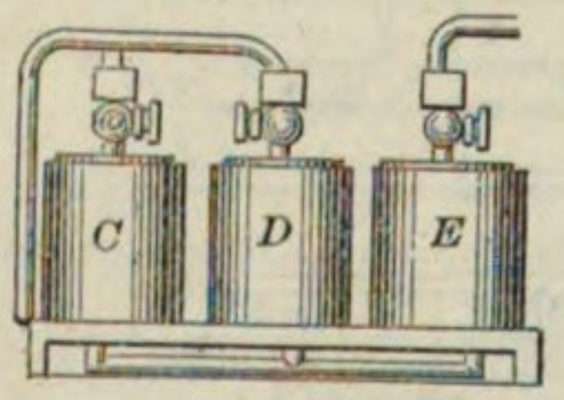
57966—T. T. Prosser—*Screw.*

57968—T. Rams—*Plow.*

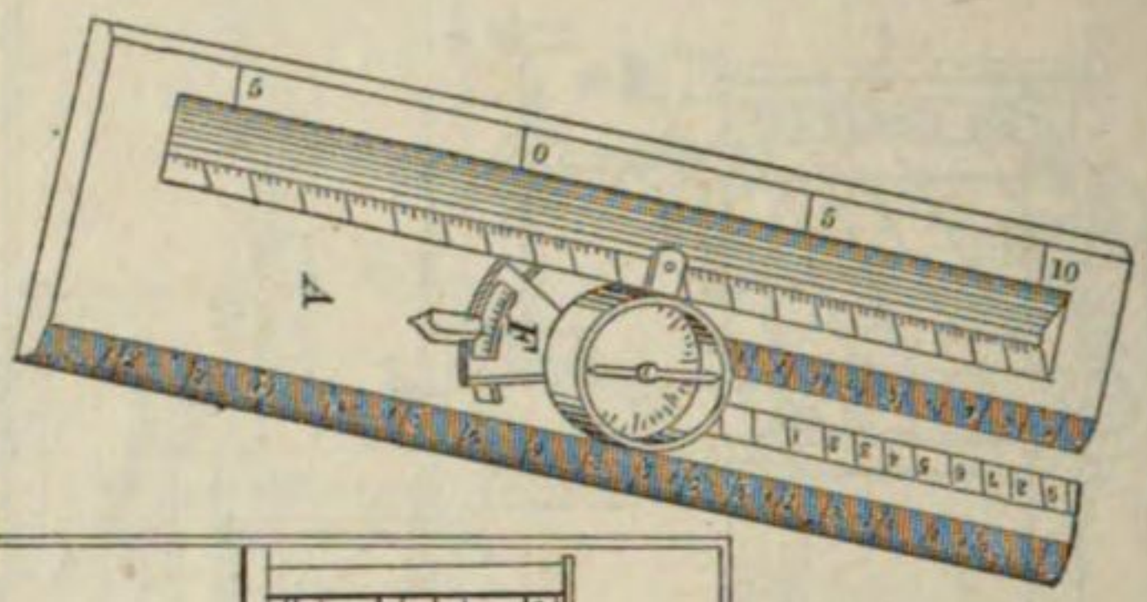


57969—J. Reese—*Reducing Metallic Oxides.*

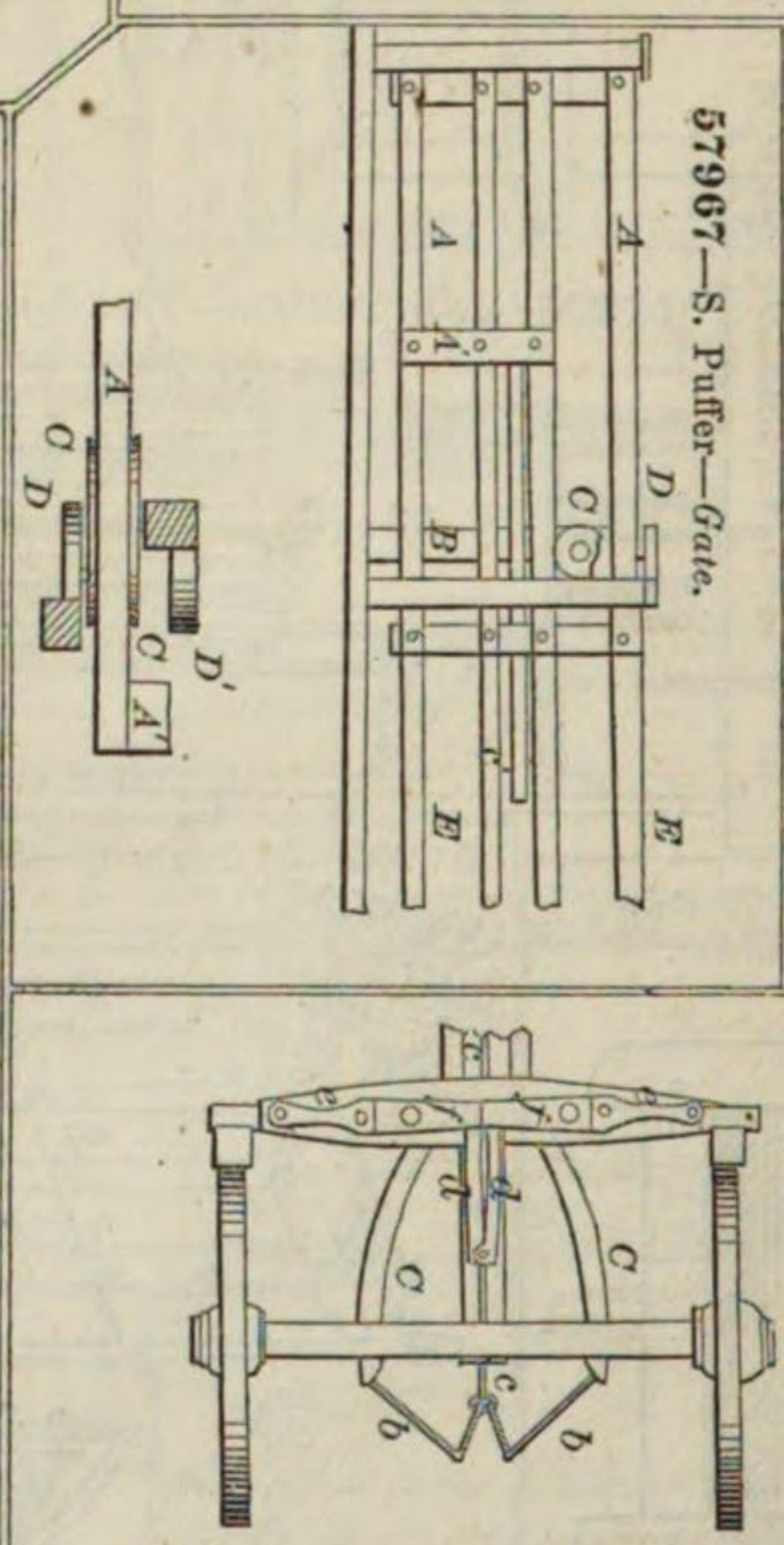




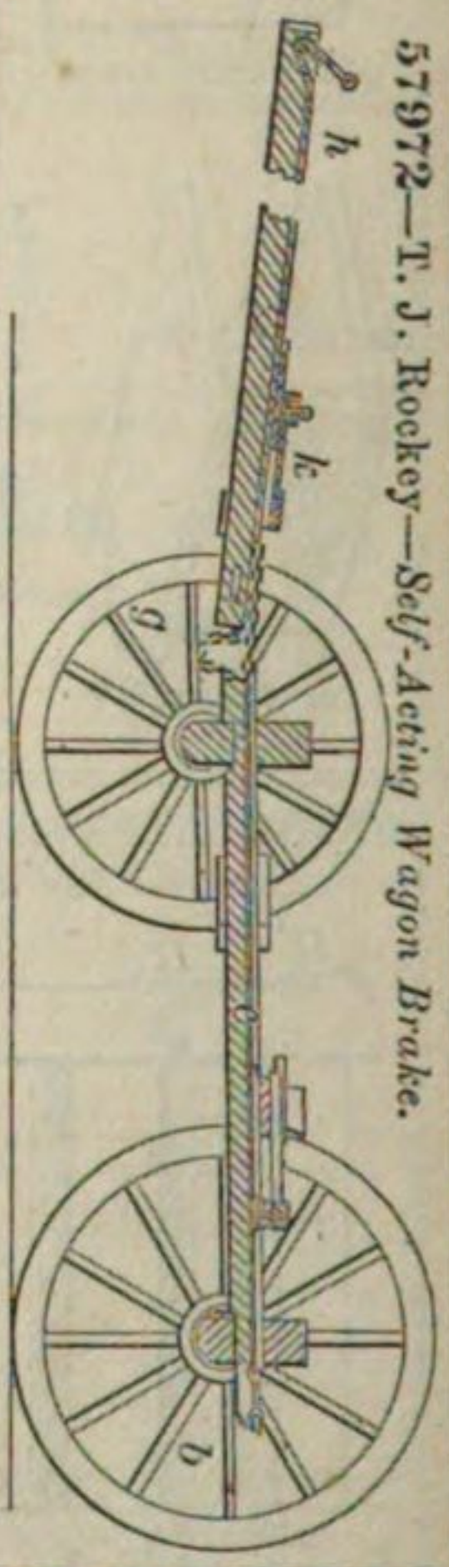
57970—J. Reid—*Mariner's Compass Scale.*



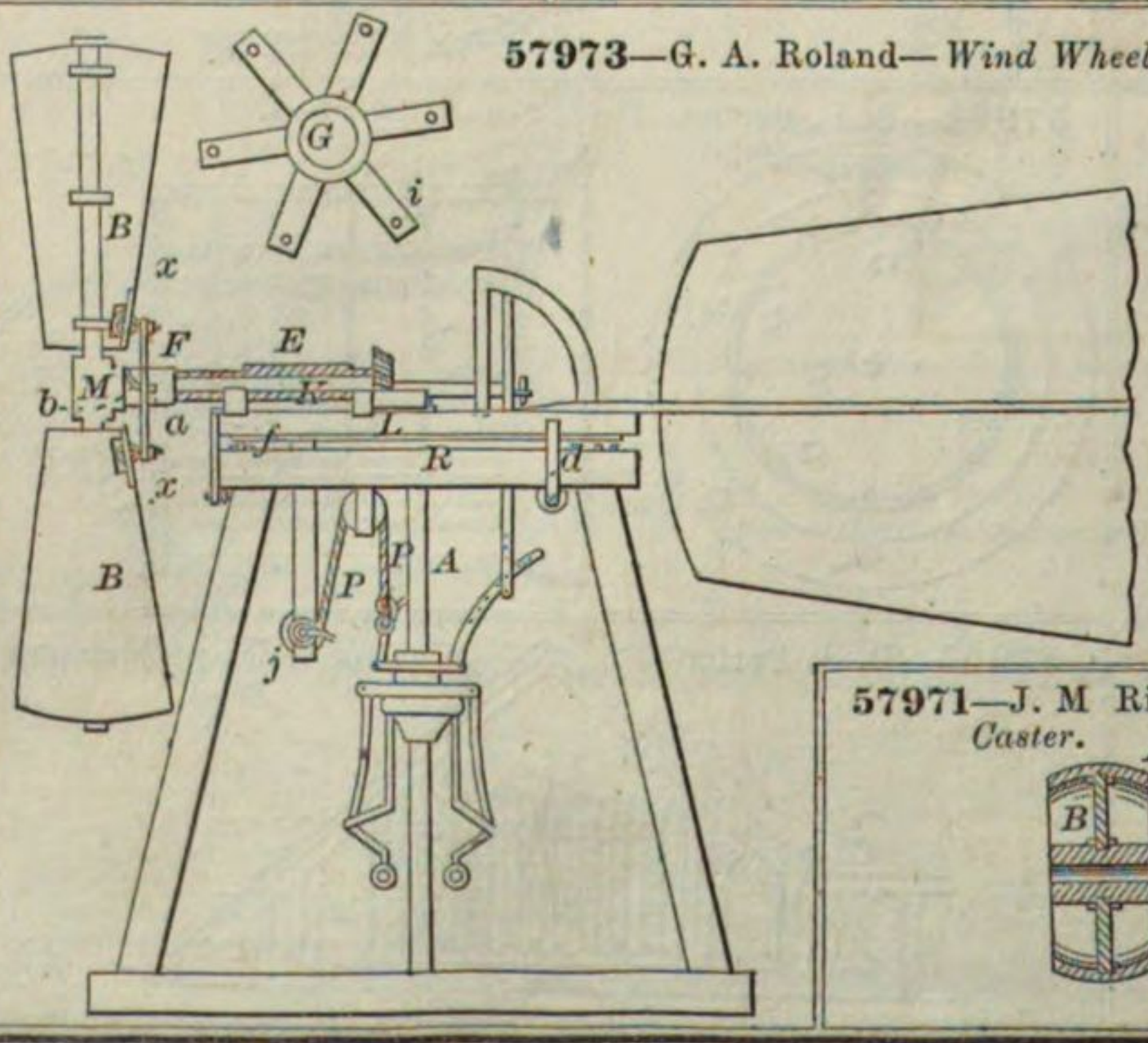
57967—S. Puffer—*Gate.*



57972—T. J. Rockey—*Self-Acting Wagon Brake.*

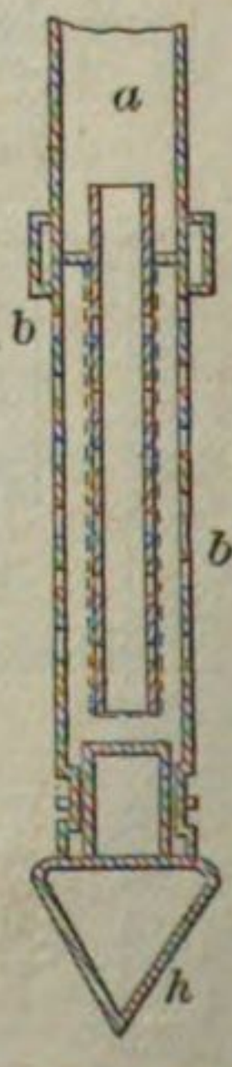


57973—G. A. Roland—*Wind Wheel.*

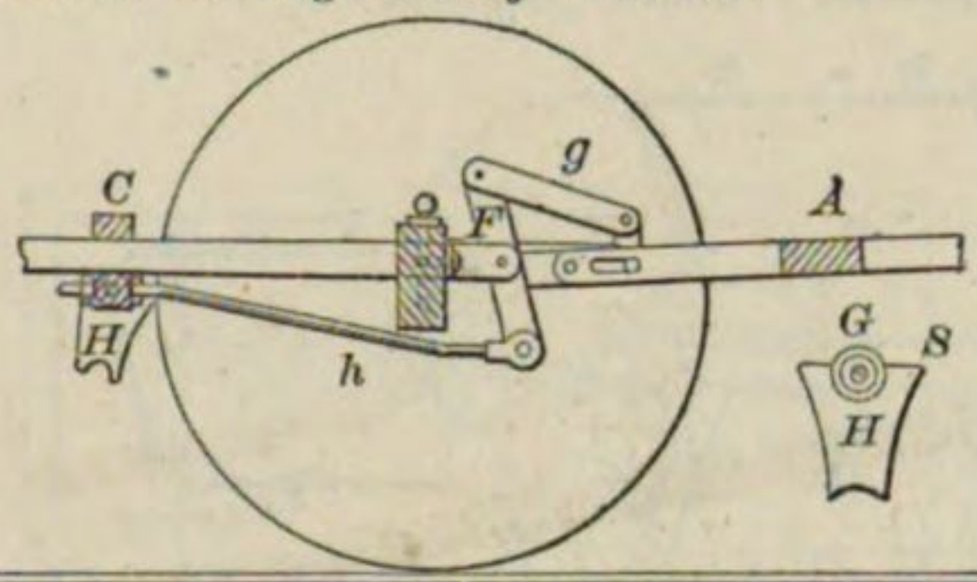


57971—J. M Riley—*Caster.*

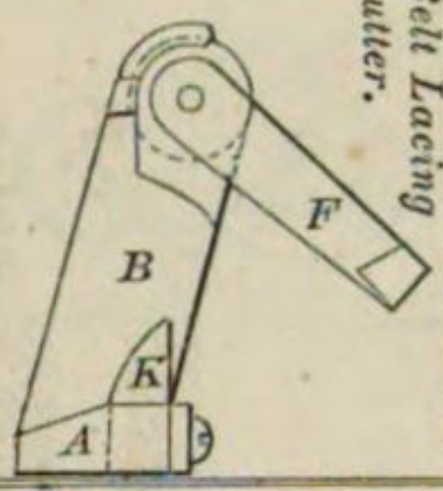
57974—T. Rose—*Separating Sand from Water in Wells.*



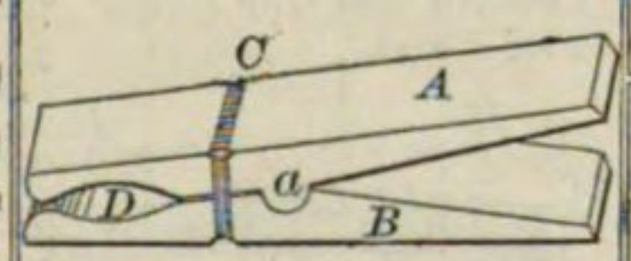
57975—D. Sager—*Wagon Brake.*



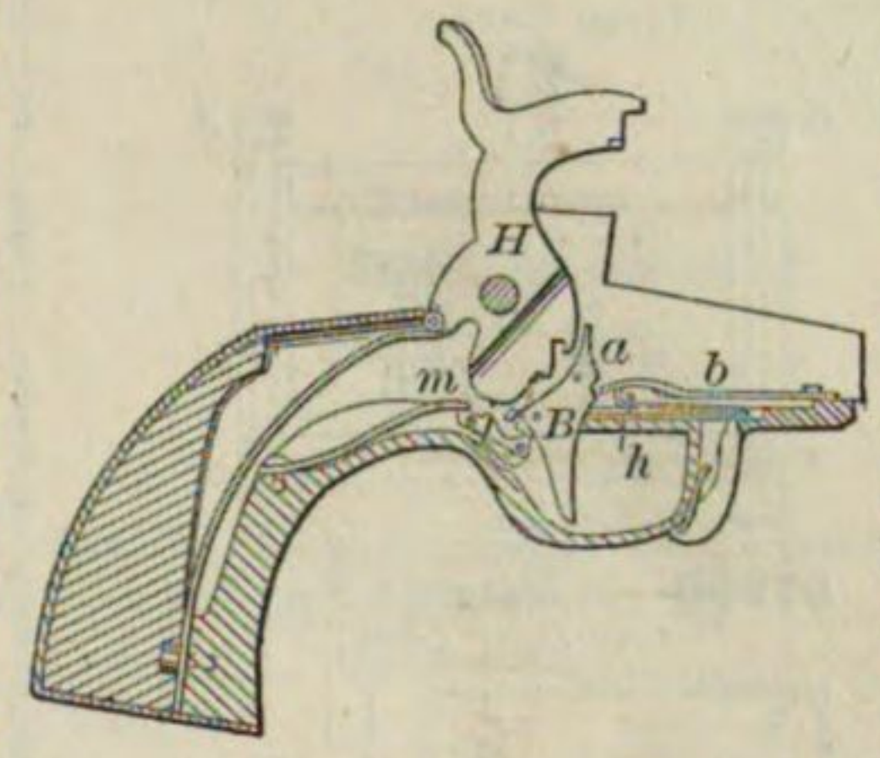
57976—B. F. Sanborn—*Belt Lacing Cutter.*



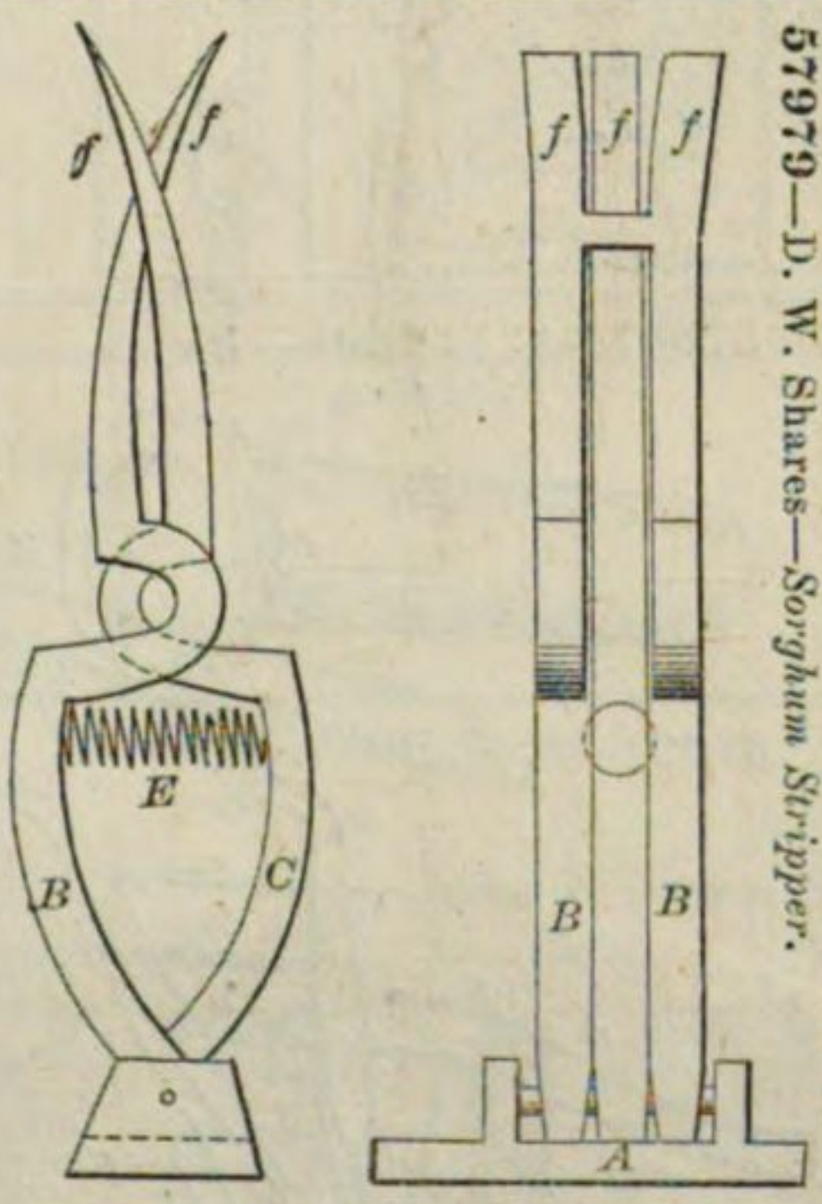
57977—R. S. Sanborn—*Clothes Pin.*



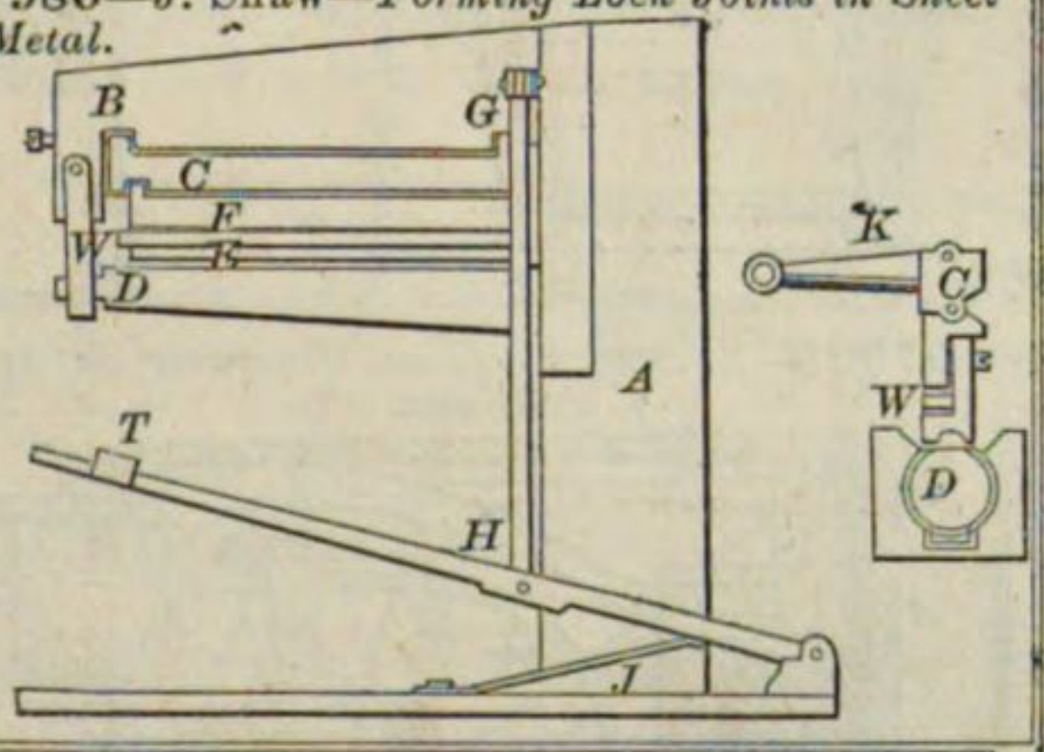
57978—F. Schenck—*Gun Lock.*



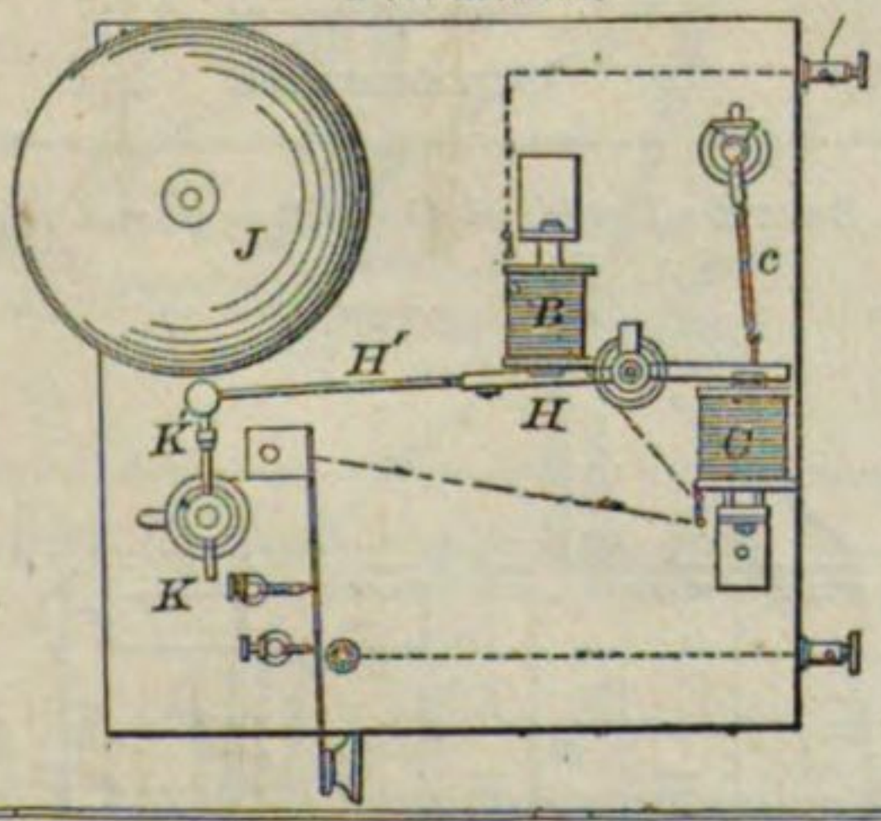
57979—D. W. Shares—*Sorghum Stripper.*



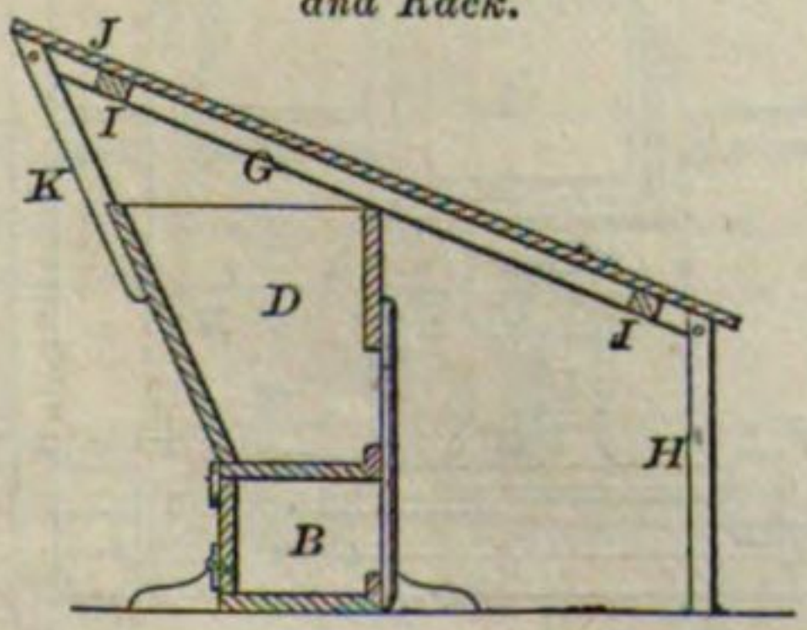
57980—J. Shaw—*Forming Lock Joints in Sheet Metal.*



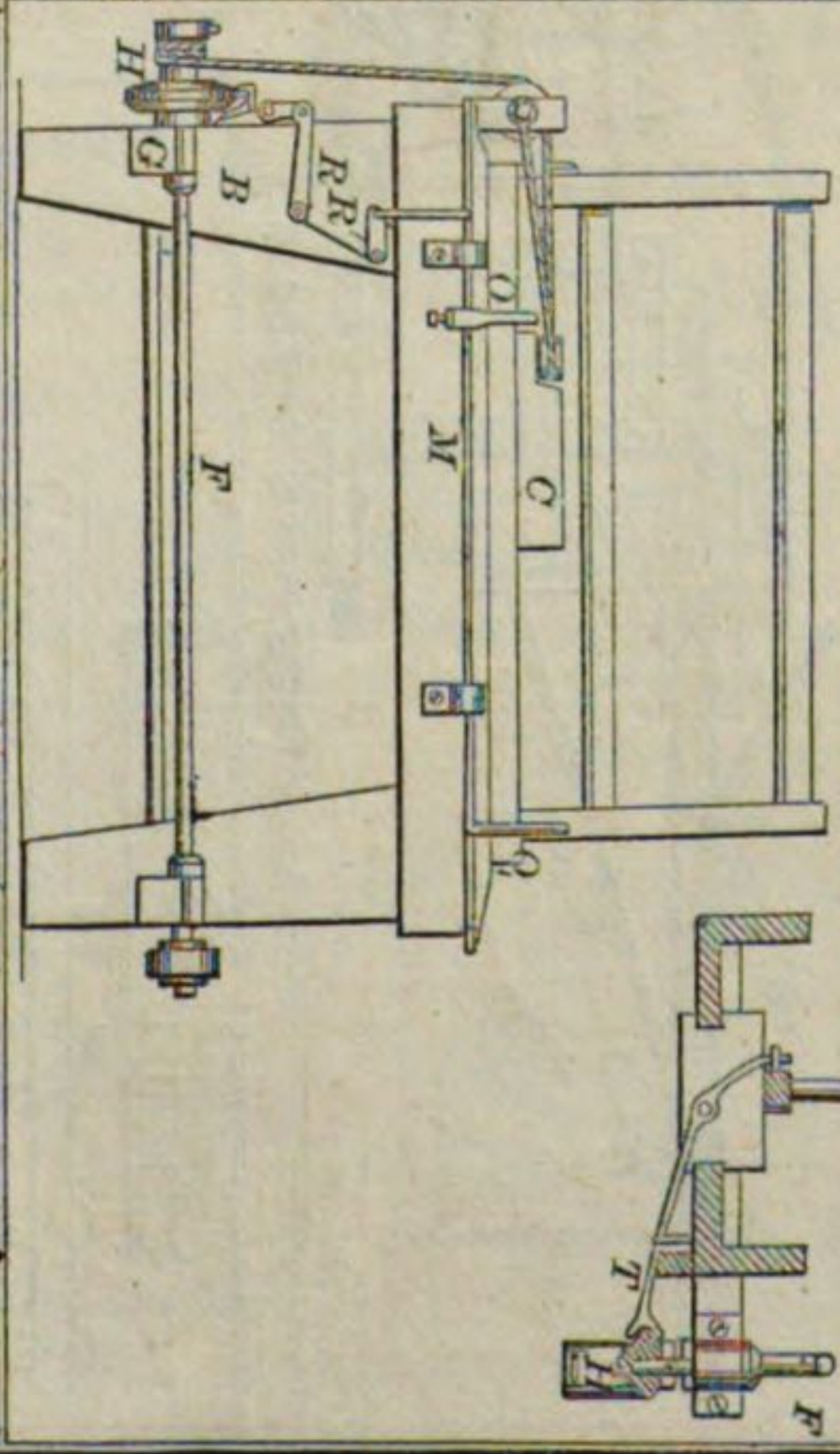
57981—Shaw, Morly & Cushman—*Telegraphic Fire Alarm.*



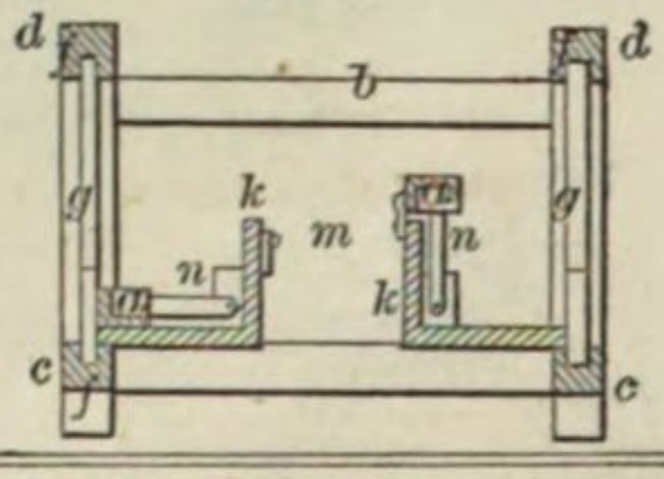
57983—T. P. Sibley—*Combined Sheep Shed and Rack.*



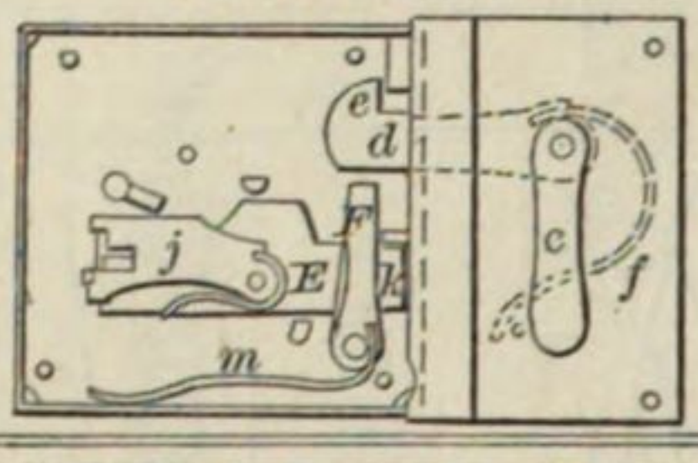
57984—Simpson, Oman & Foreman—*Turning Lathe.*



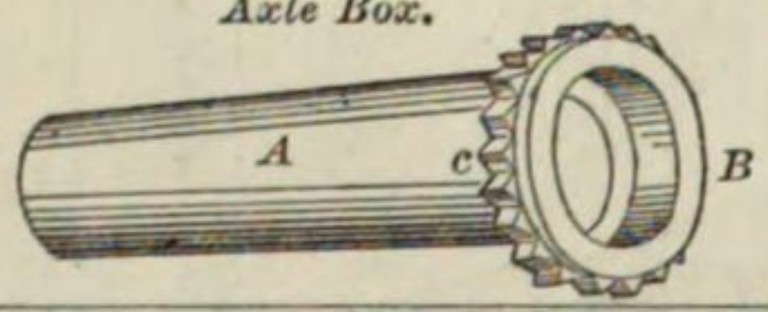
57985—E. & D. Skeels—*Sheep Rack.*



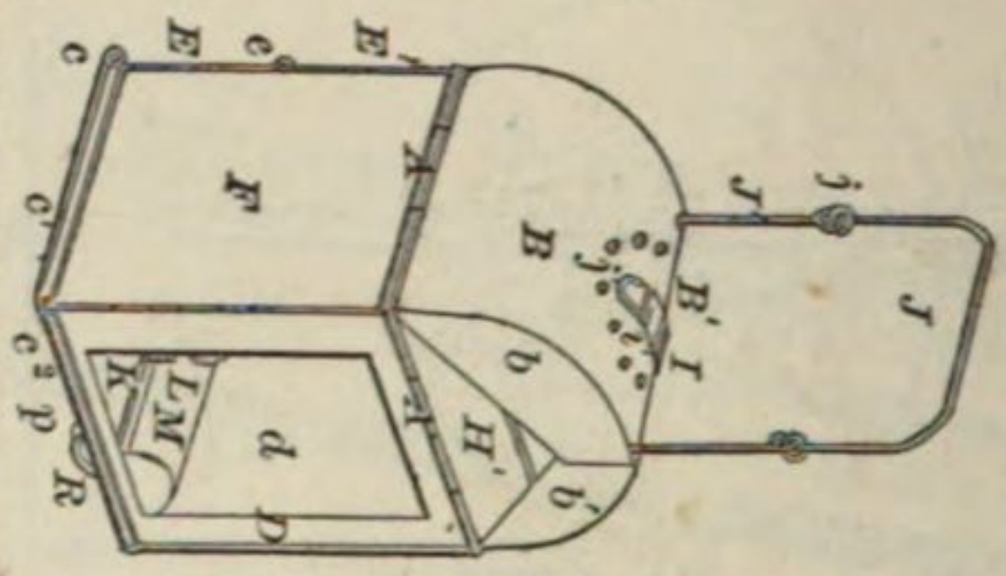
57986—T. Slaight—*Baggage Car Door Lock.*



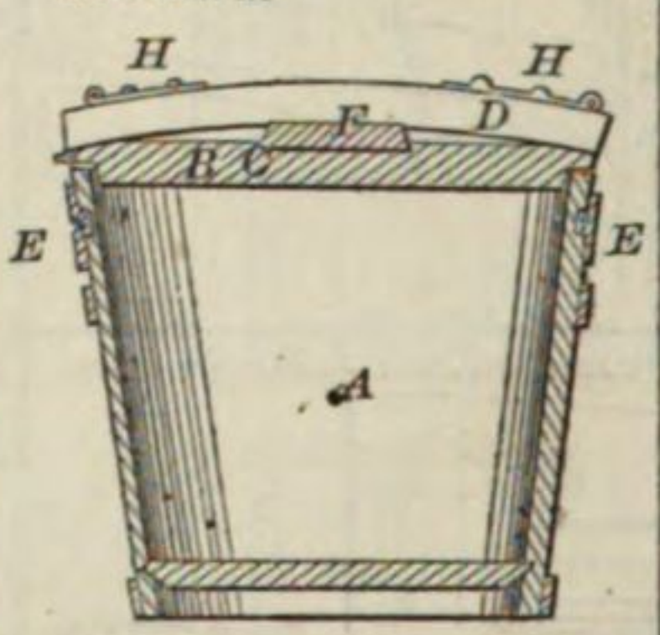
57987—A. E. Smith—*Wagon Axle Box.*



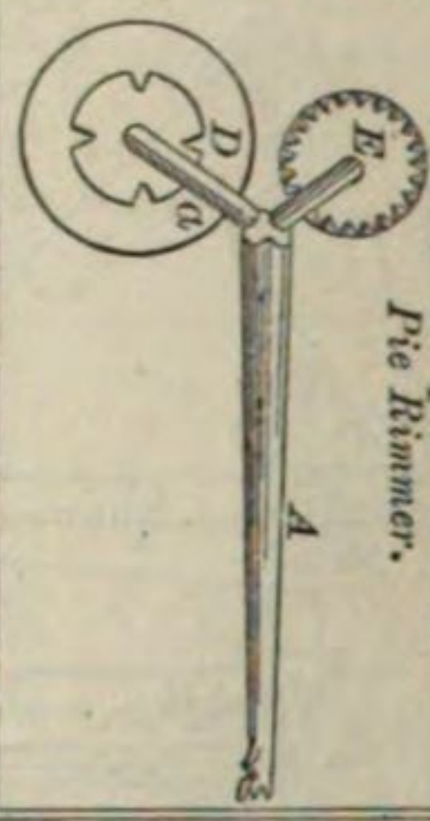
57988—W. P. Smith—*Lantern.*



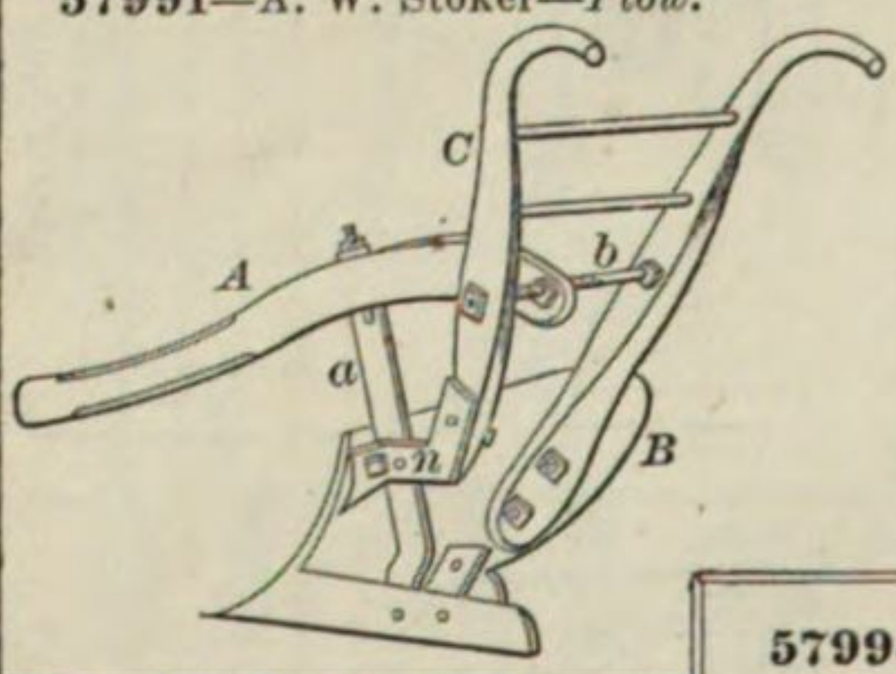
57989—S. E. Southland—*Covered Tub for Butter and Lard.*



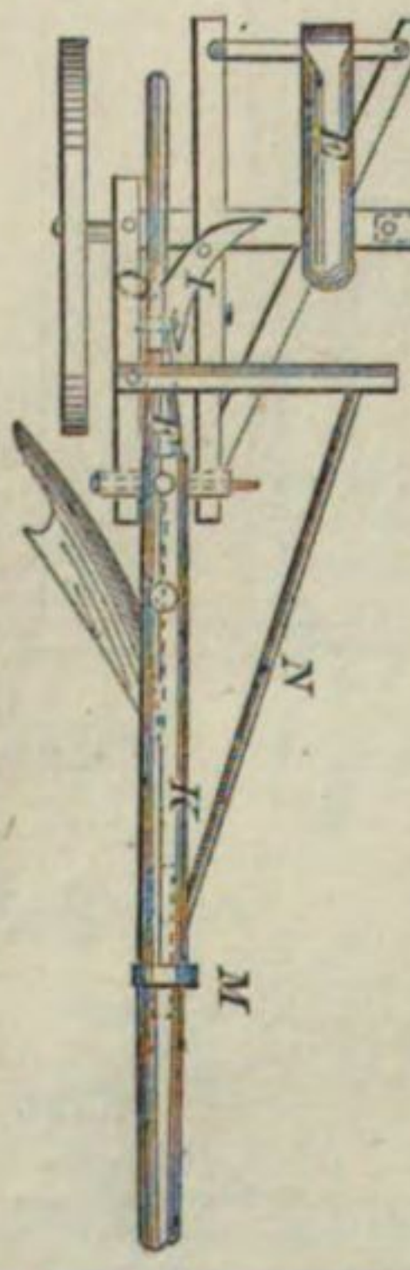
57990—Stephen & Zeller—*Pie Rimmer.*



57991—A. W. Stoker—*Plow.*

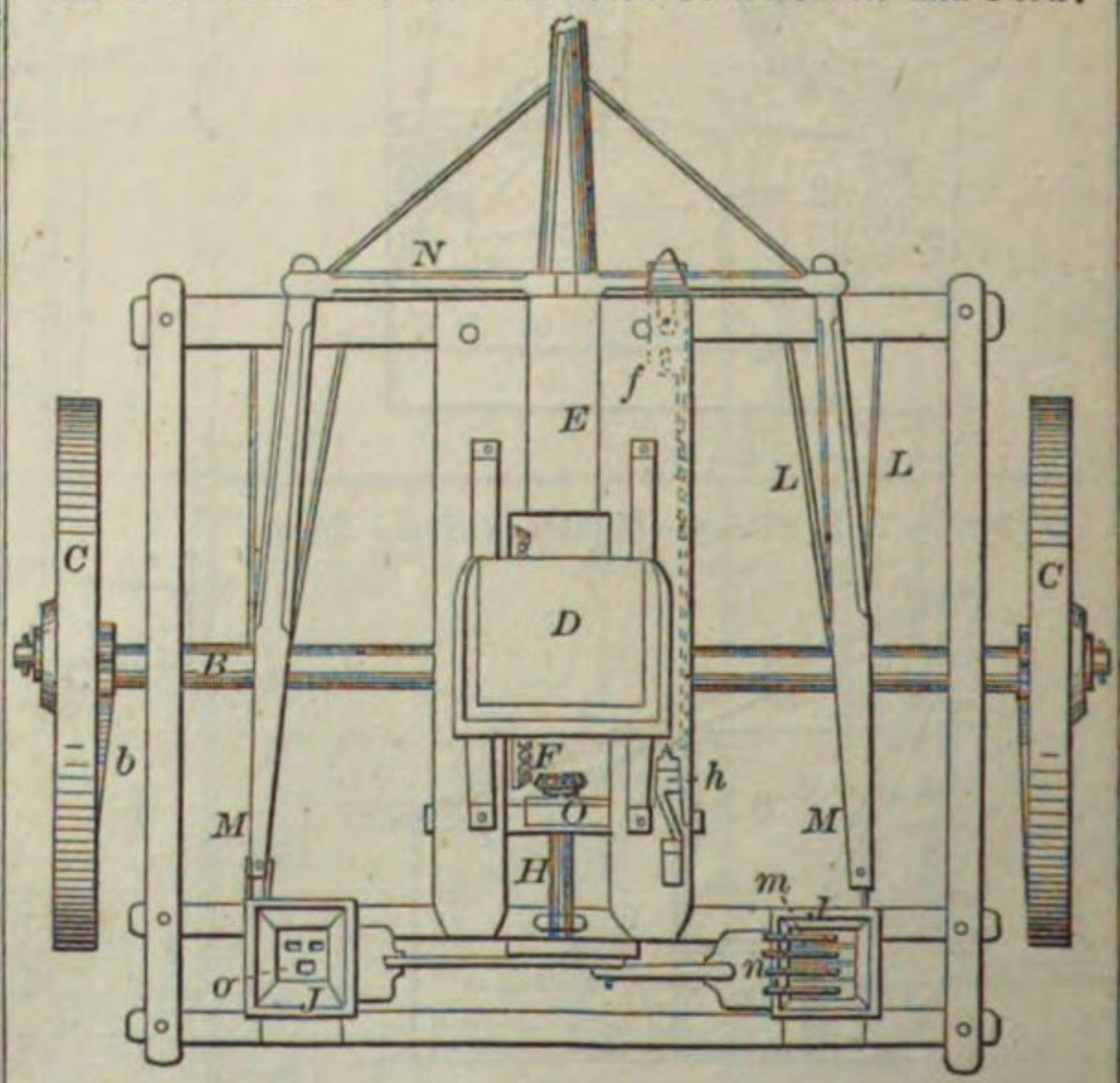


57992—S. Stout—*Sulkey Plow.*

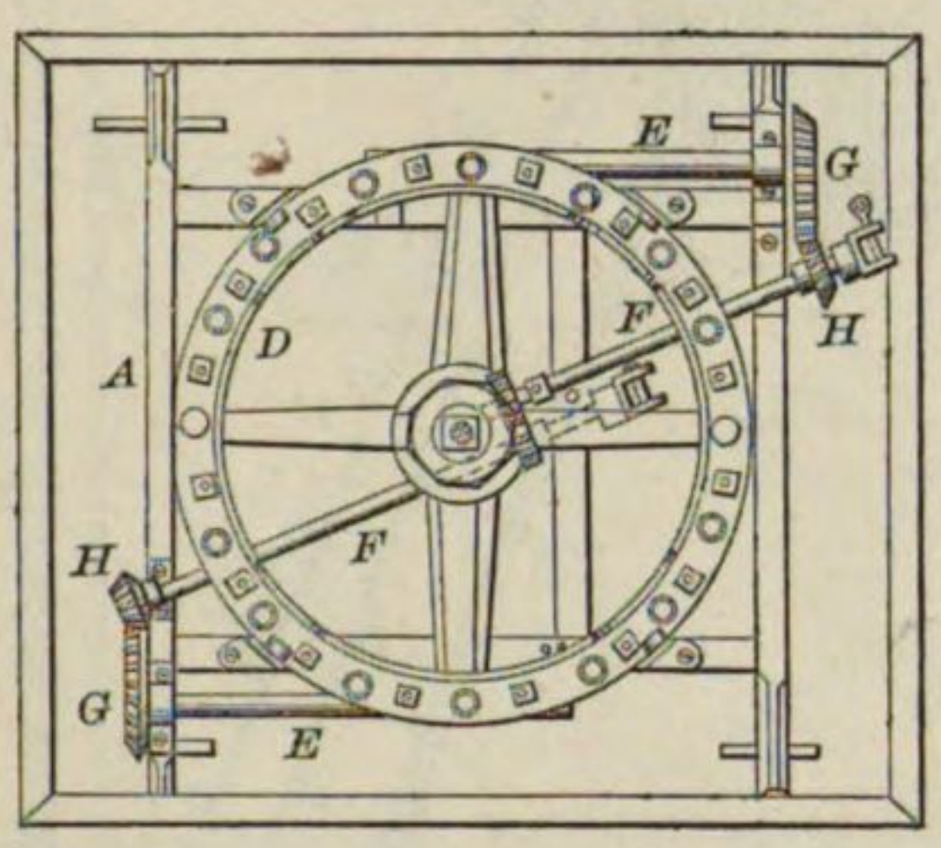


57993—S. Stucky—*Steam Generator Safety Valve.*

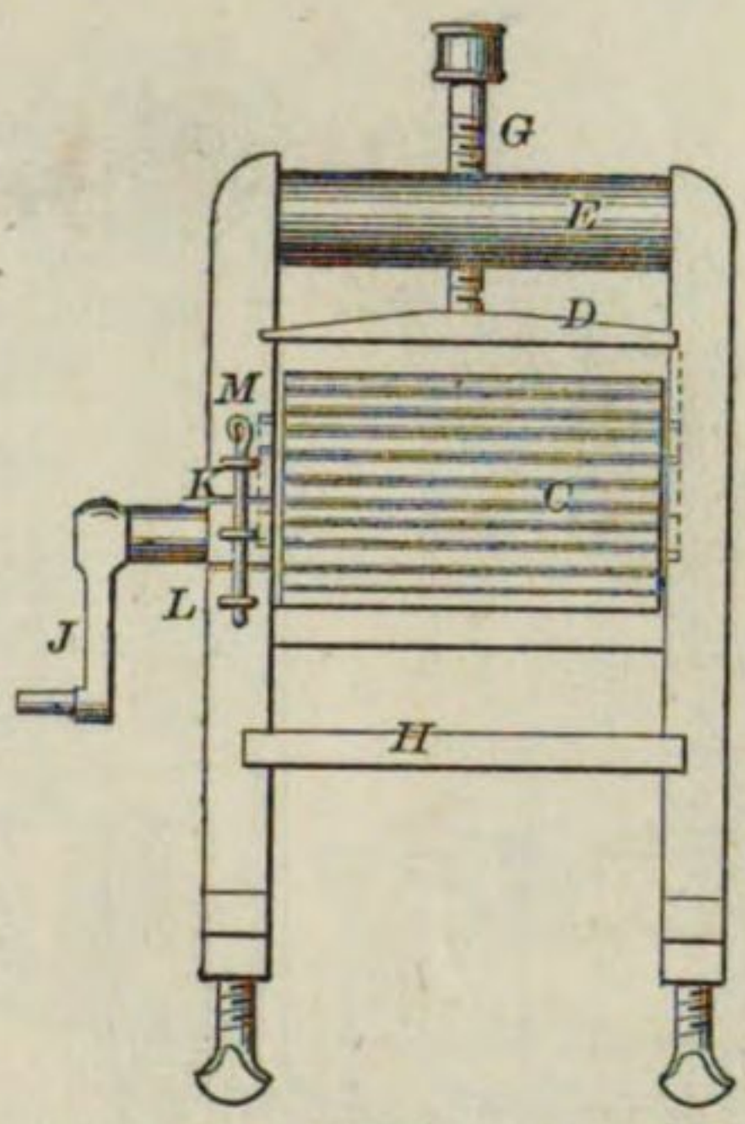
57994—S. M. Swartz—*Combined Corn Planter and Plow.*



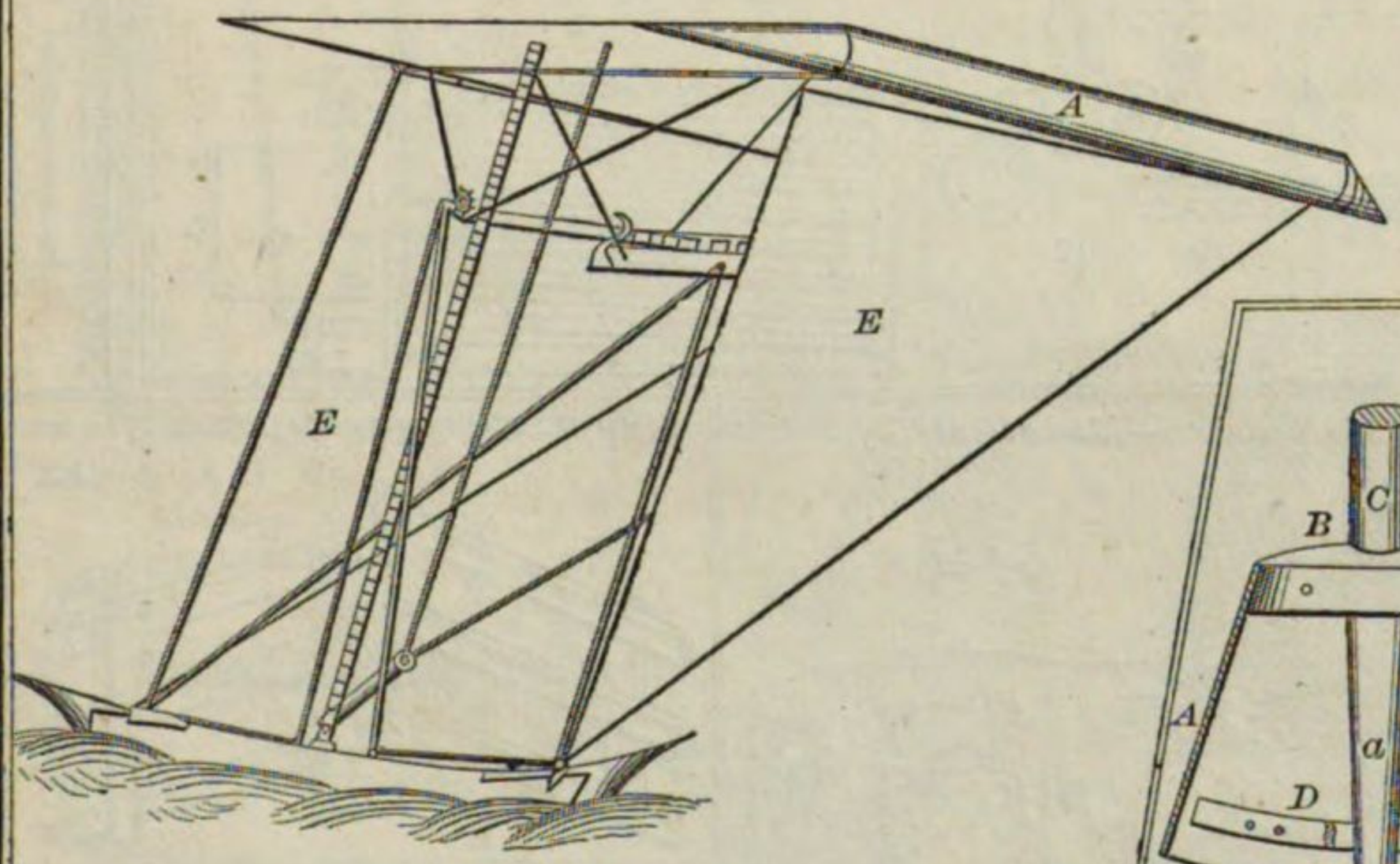
57995—J. B. Sweetland—*Horse Power.*



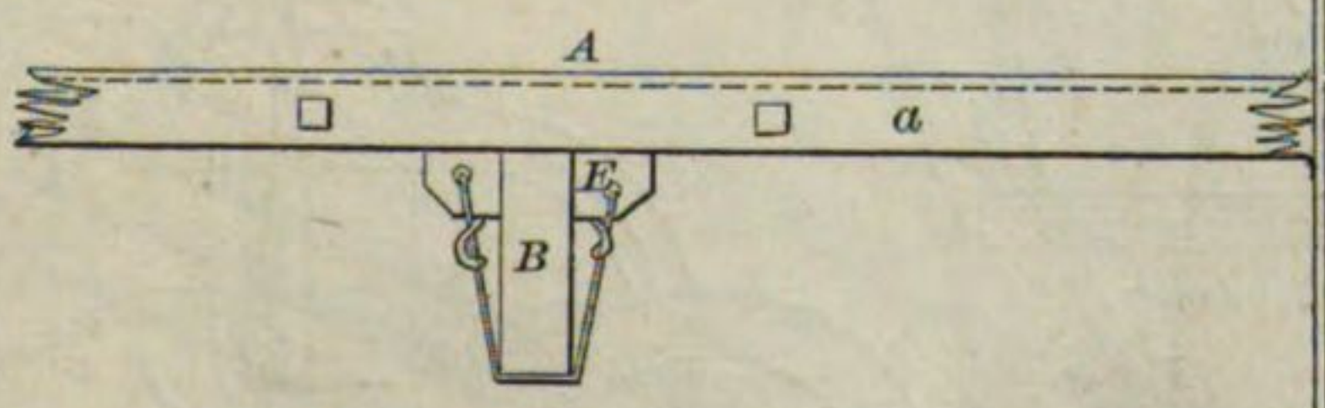
58000—G. H. Tift—*Meat Mangler.*



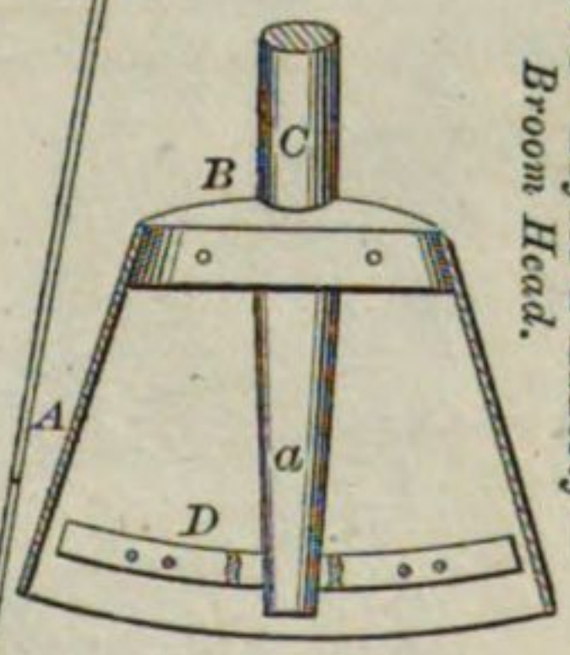
57996—C. W. Sykes—*Marine Balloon.*

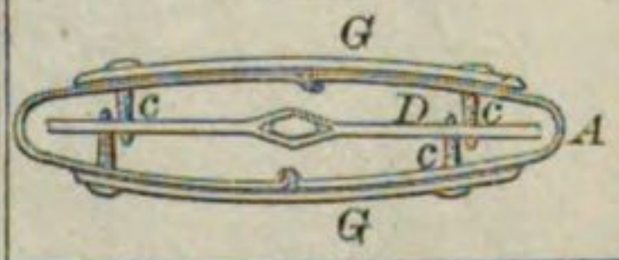


57997—G. Taylor—*Malt Kiln Floor*

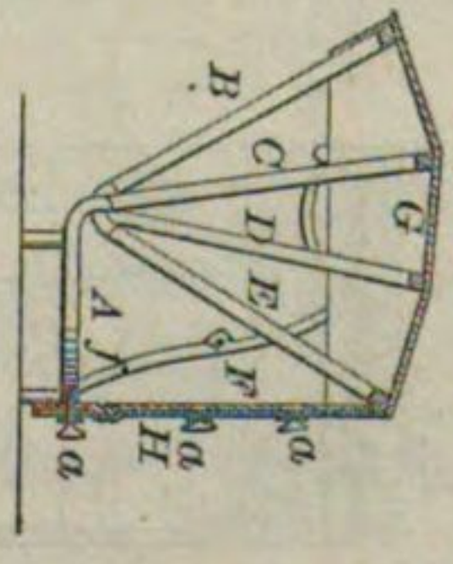


57998—Taylor & Lafferty—*Broom Head.*

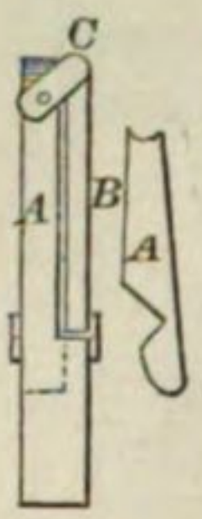




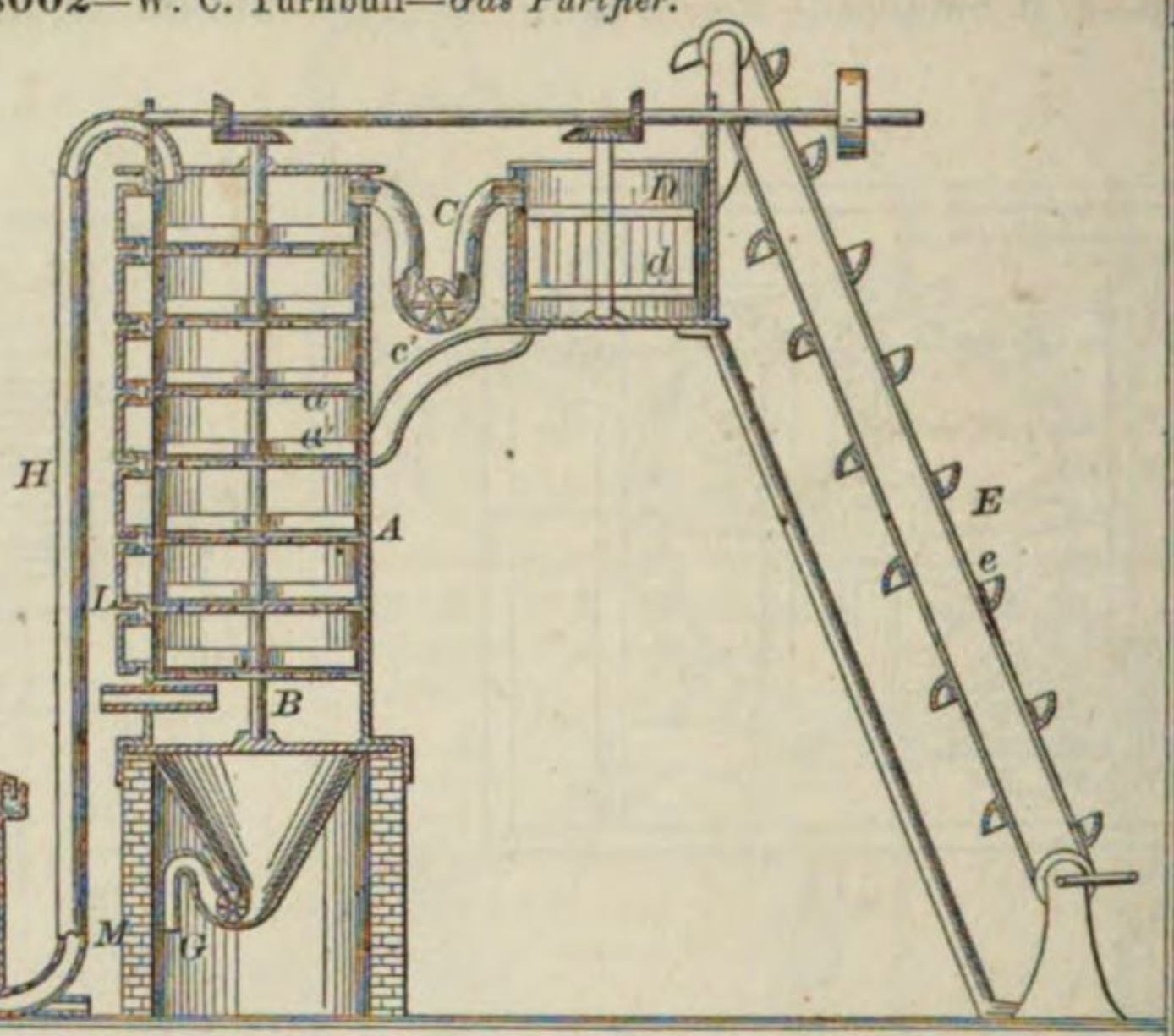
58001—A. R. Tully—*Wagon Top.*



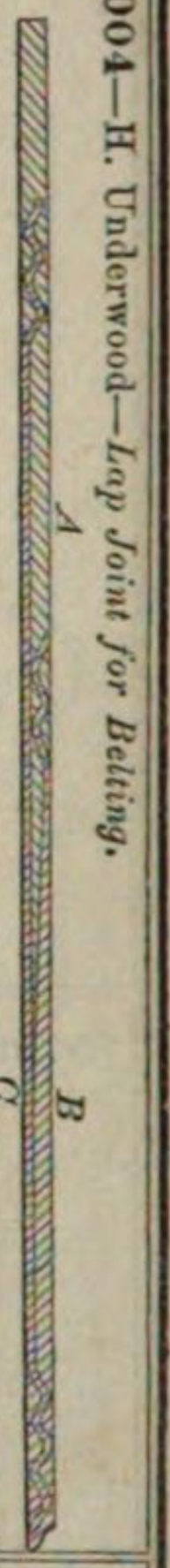
58007—W. G. Ward—*Clothes Pin.*



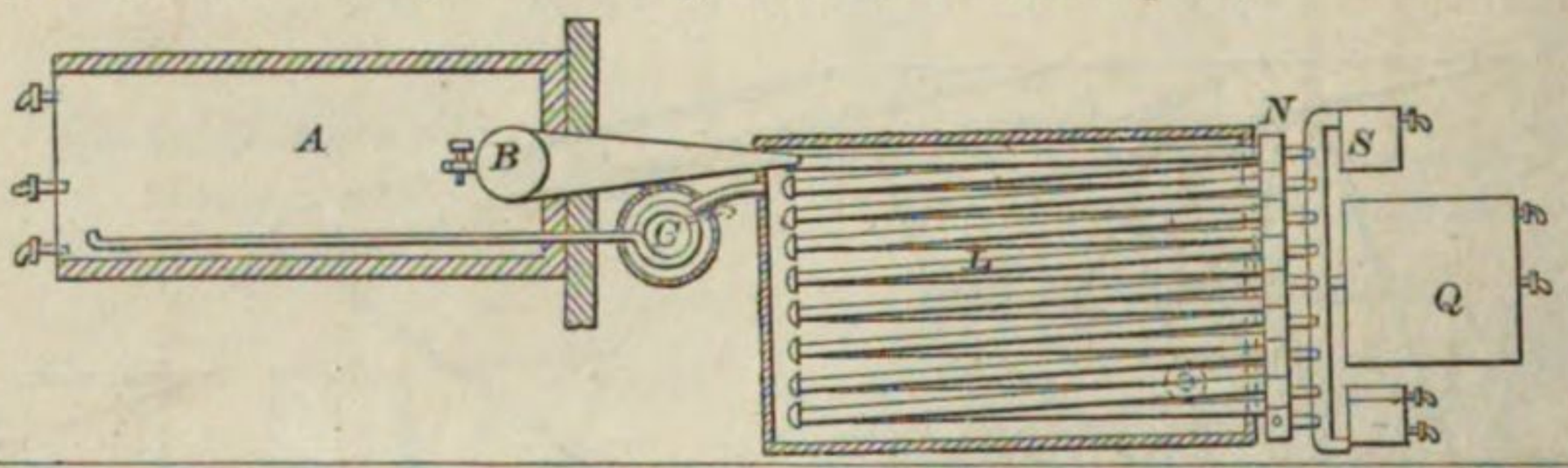
58002—W. C. Turnbull—*Gas Purifier.*



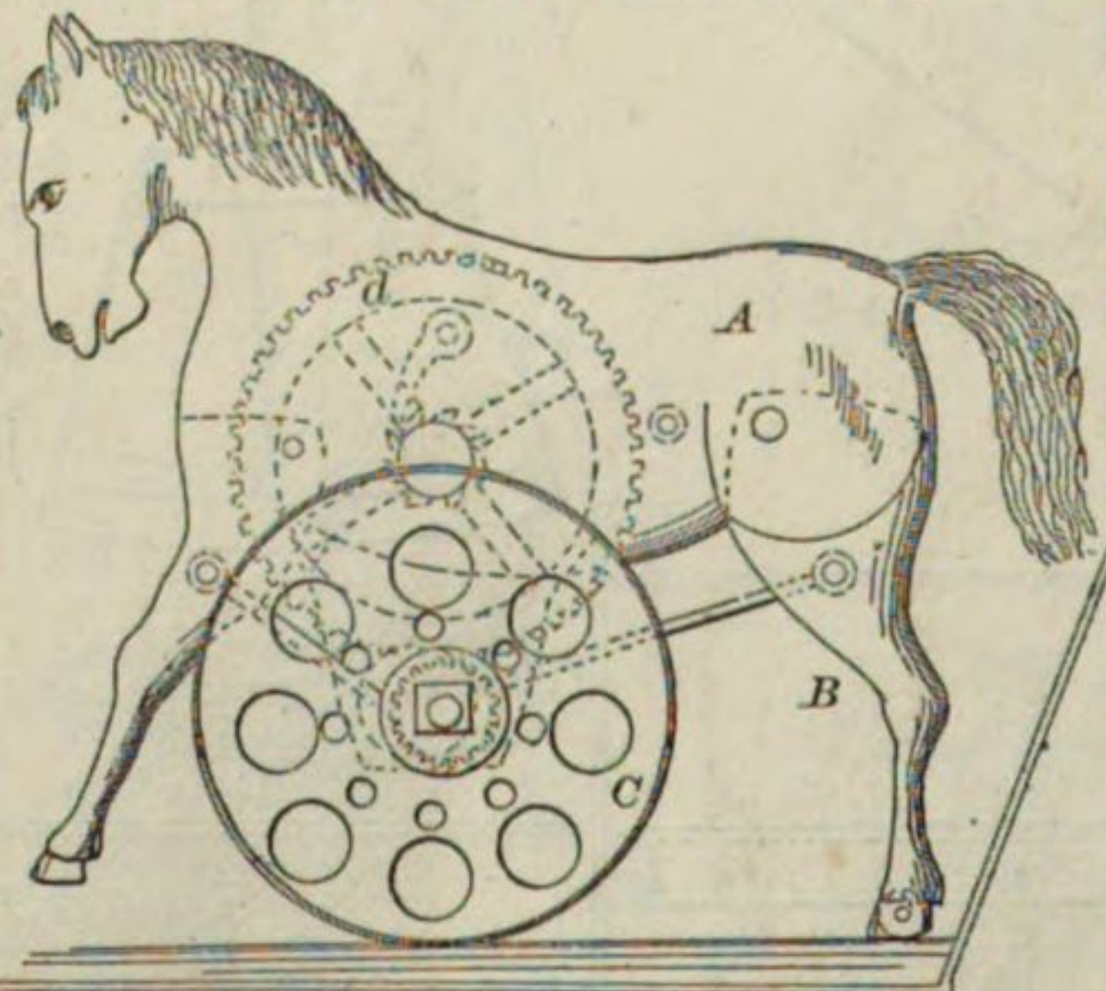
58004—H. Underwood—*Lap Joint for Belting.*



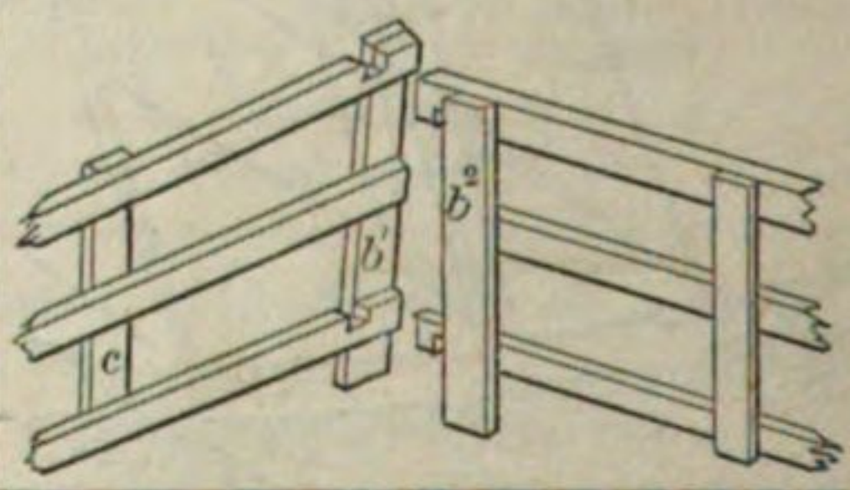
58005—P. H. V. Weyde—*Distilling Petroleum and other Liquids.*



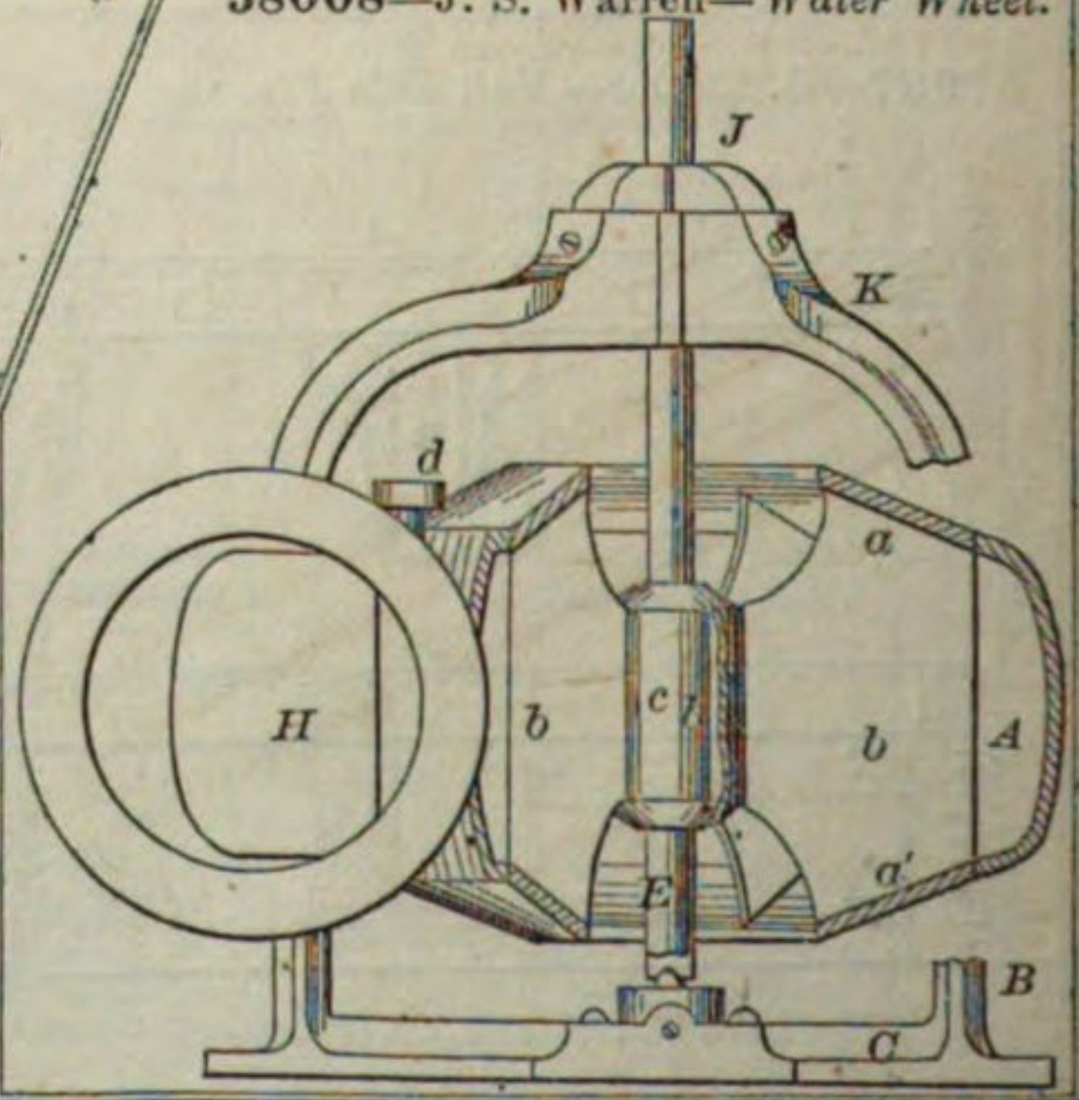
58006—H. S. Vrooman—*Mechanical Toy.*



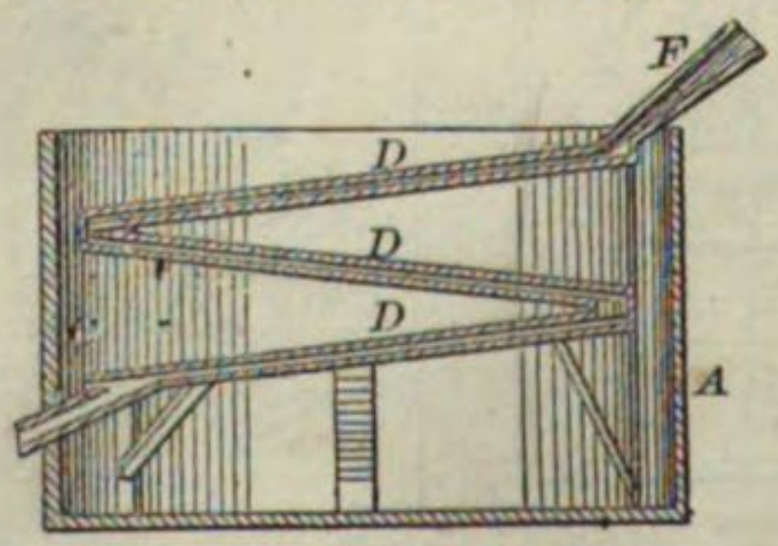
58003—W. Tuttle, Jr.—*Fence.*



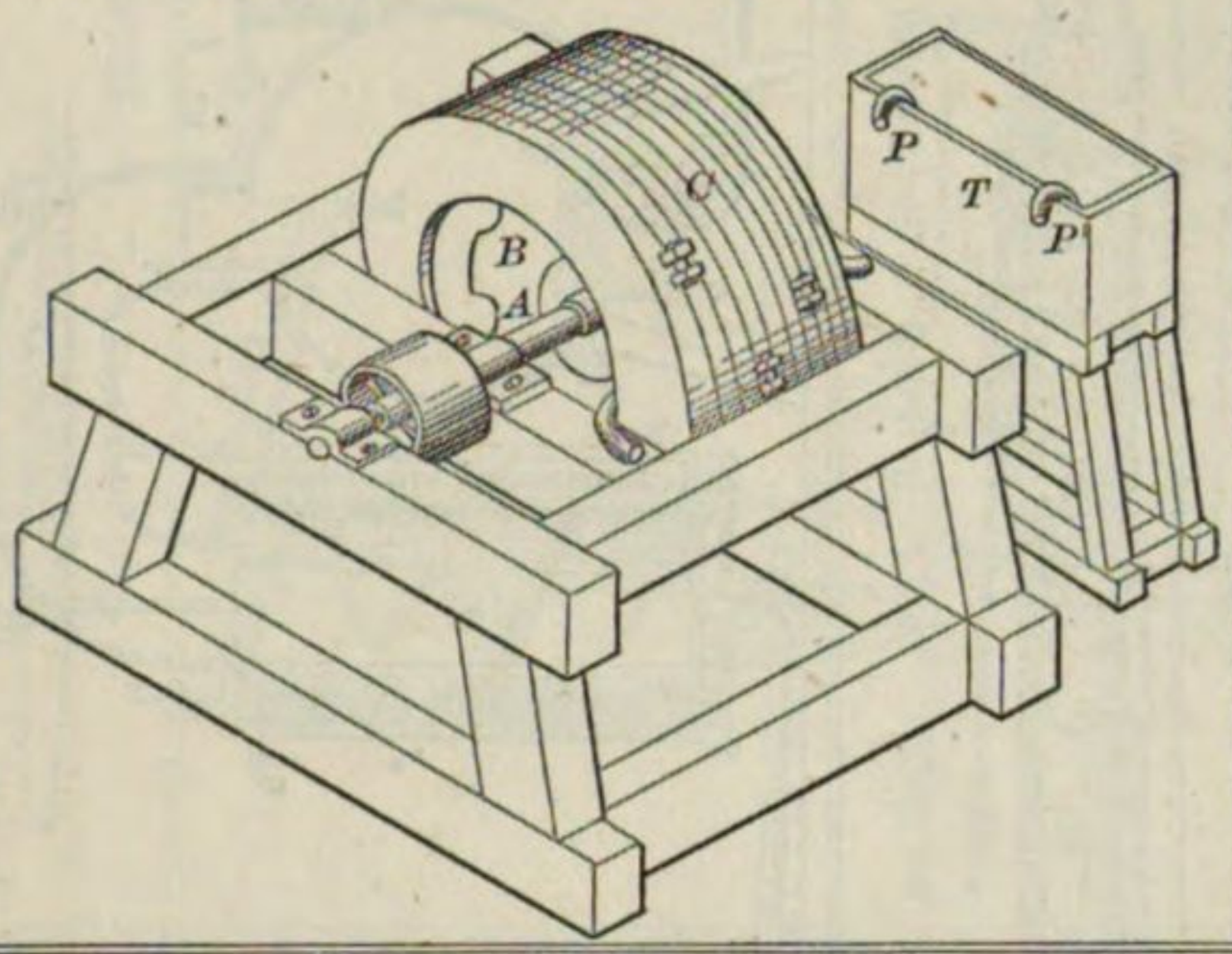
58008—J. S. Warren—*Water Wheel.*



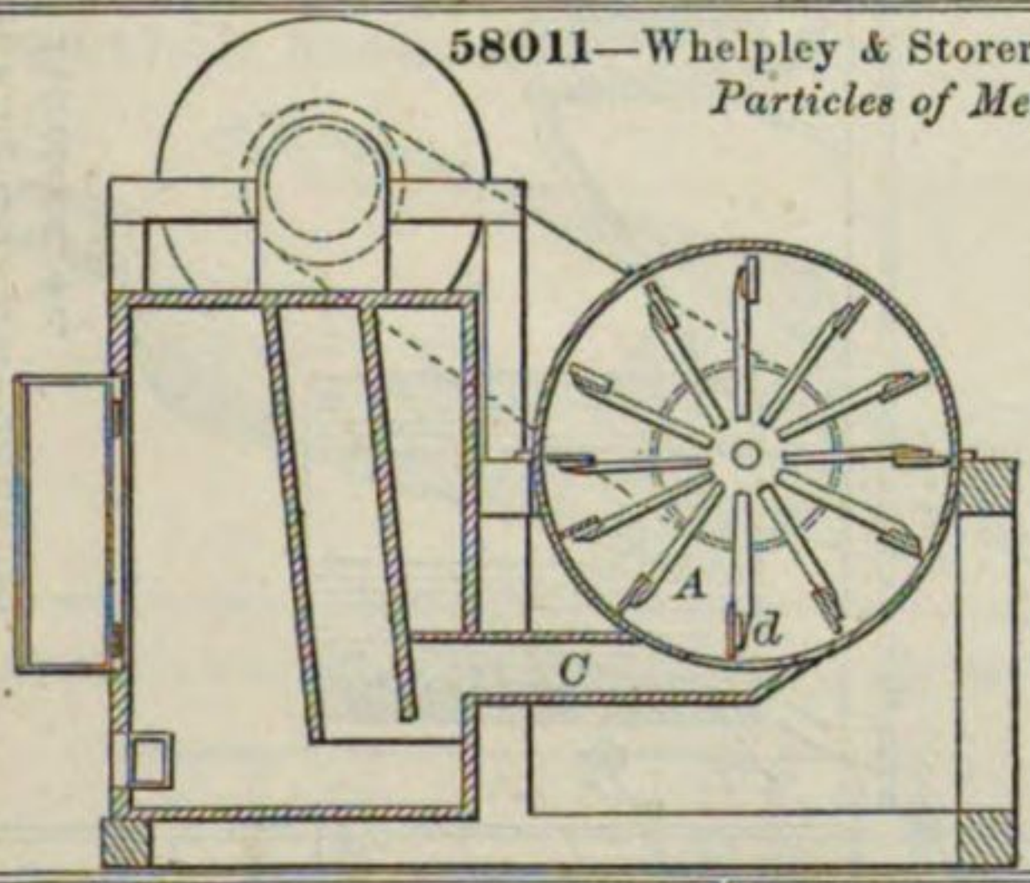
58009—J. C. Wharton—*Condenser.*

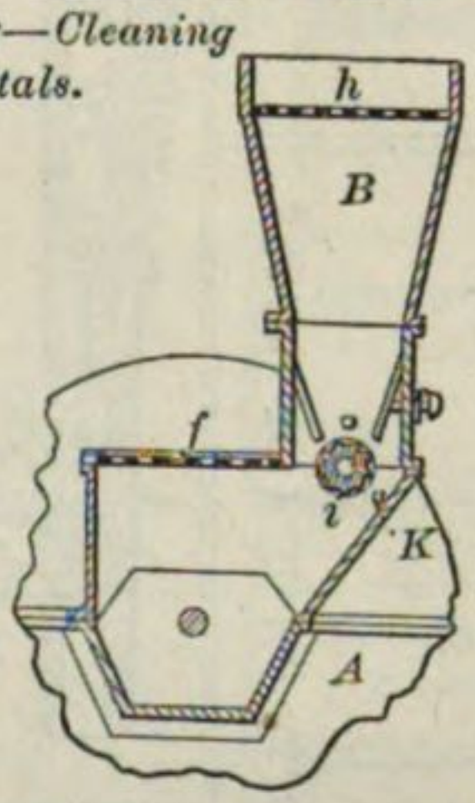


58010—Whelpley & Storer—*Amalgamator.*

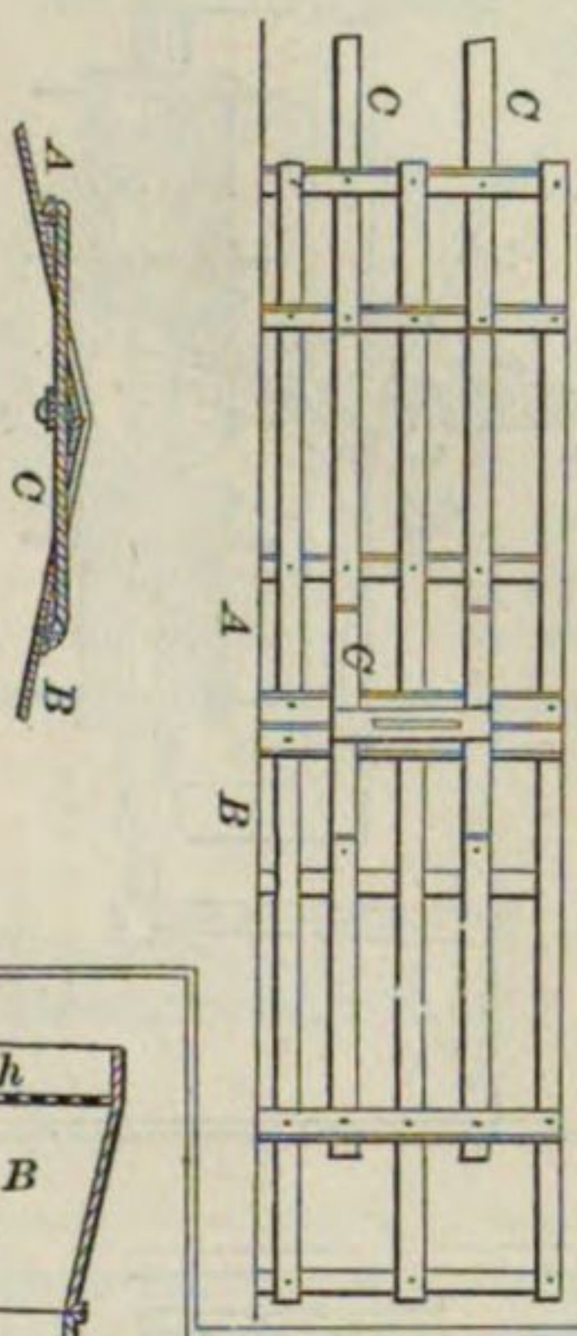


58011—Whelpley & Storer—*Cleaning Particles of Metals.*

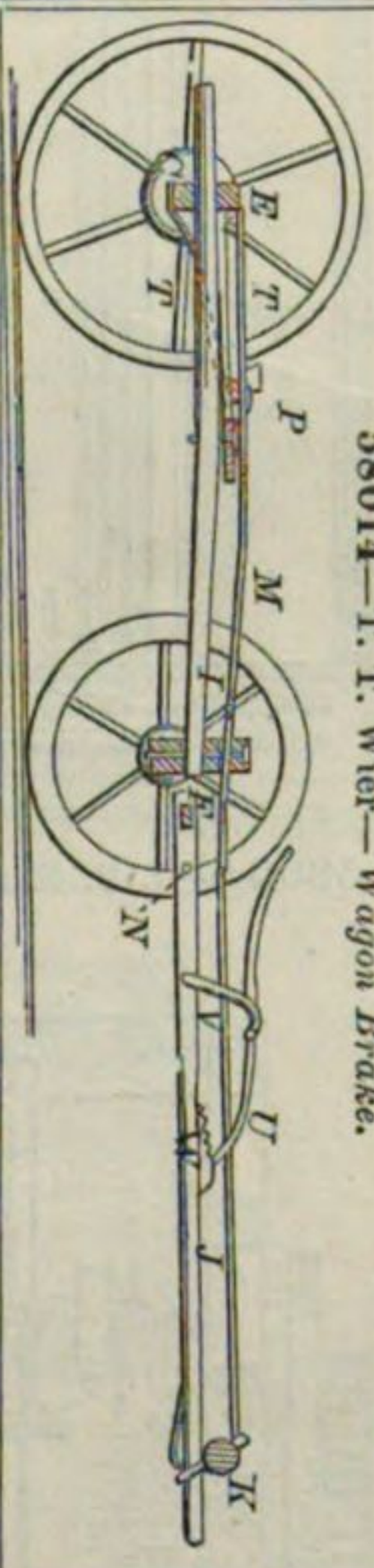




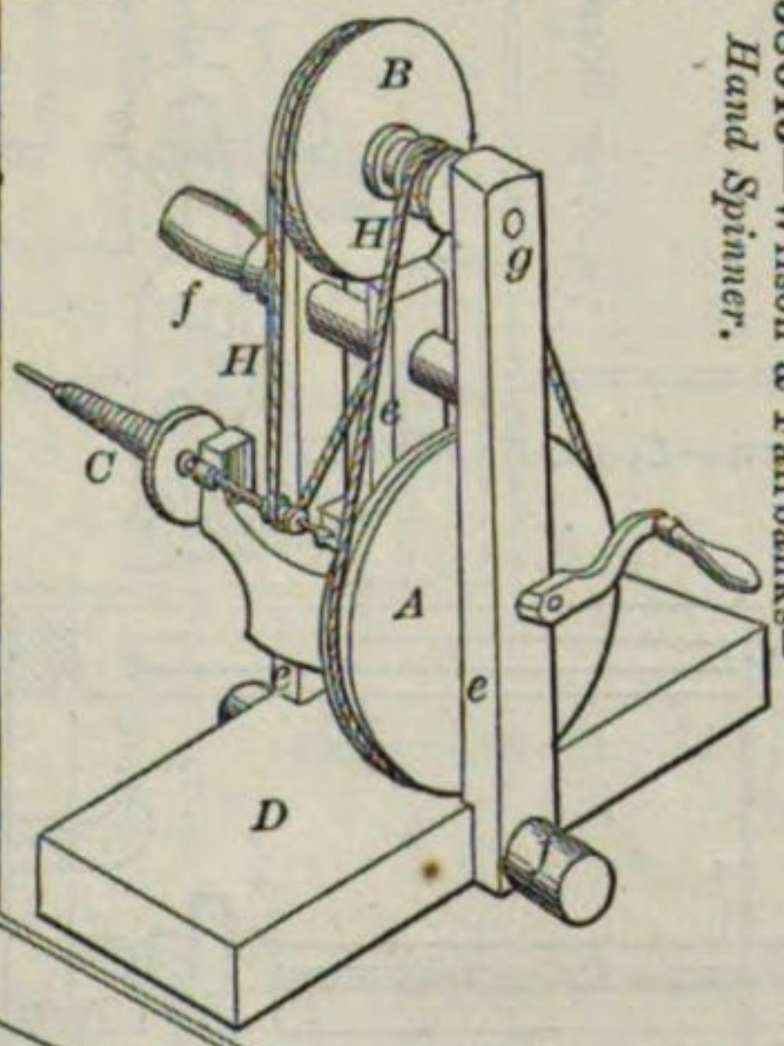
58013—J. Whiteside—*Fence.*



58014—T. T. Wier—*Wagon Brake.*

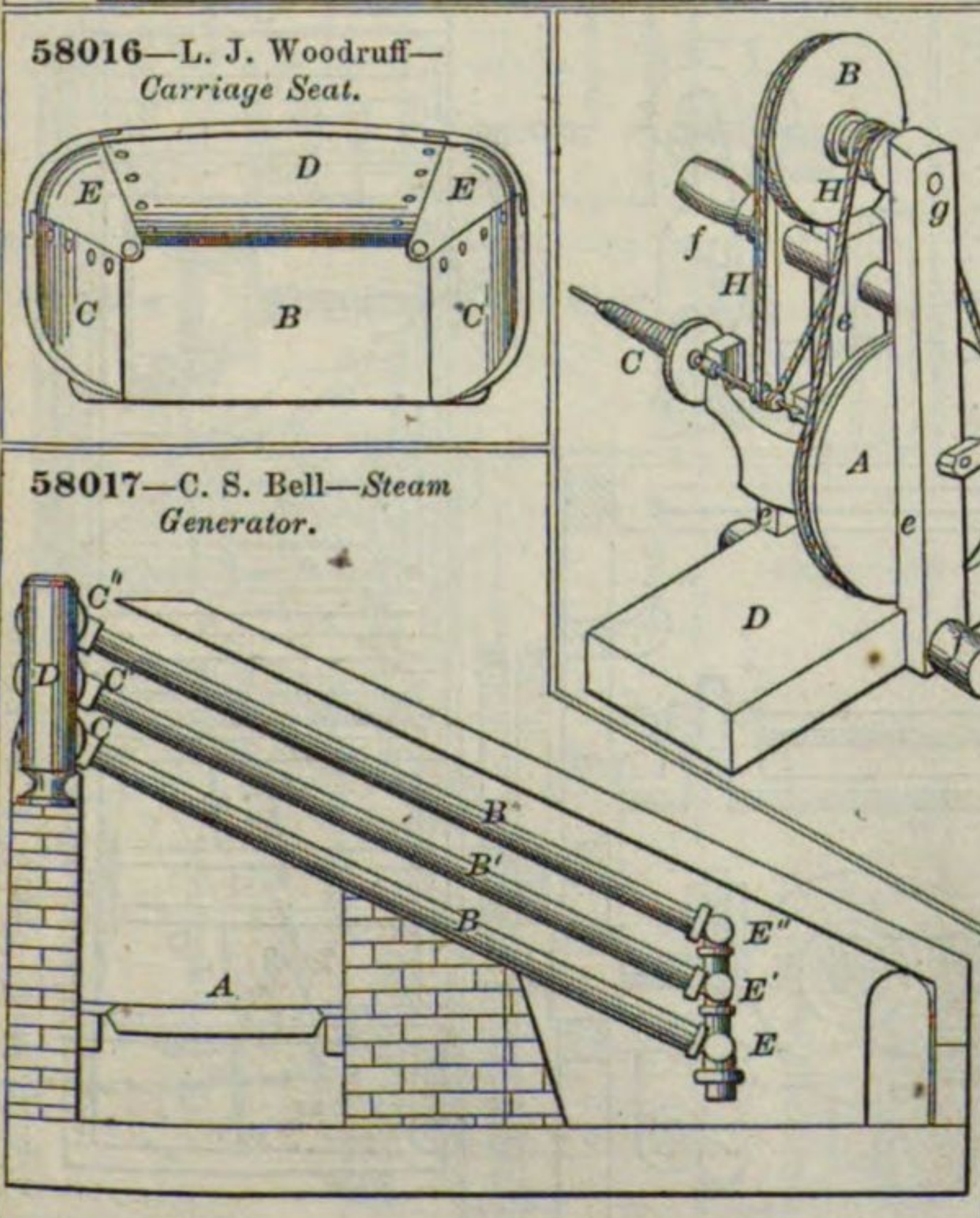


58015—Wilson & Fairbanks—*Hand Spinner.*



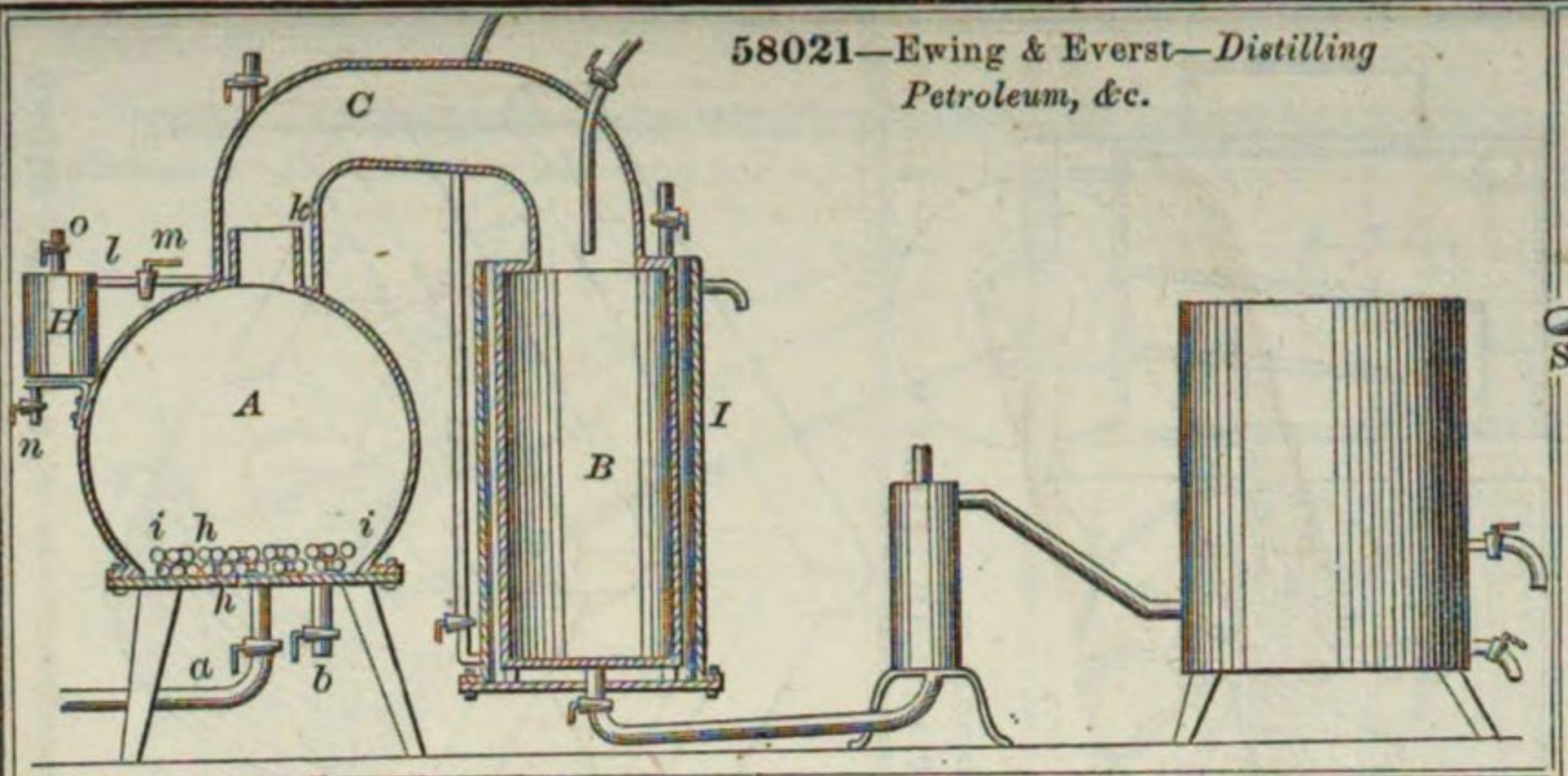
58016—L. J. Woodruff—*Carriage Seat.*

58017—C. S. Bell—*Steam Generator.*

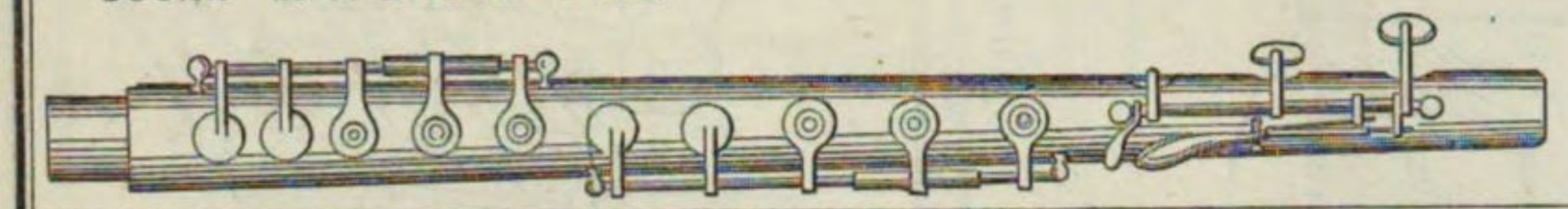


58018—T. B. Bunting—*Bale Fastening.*

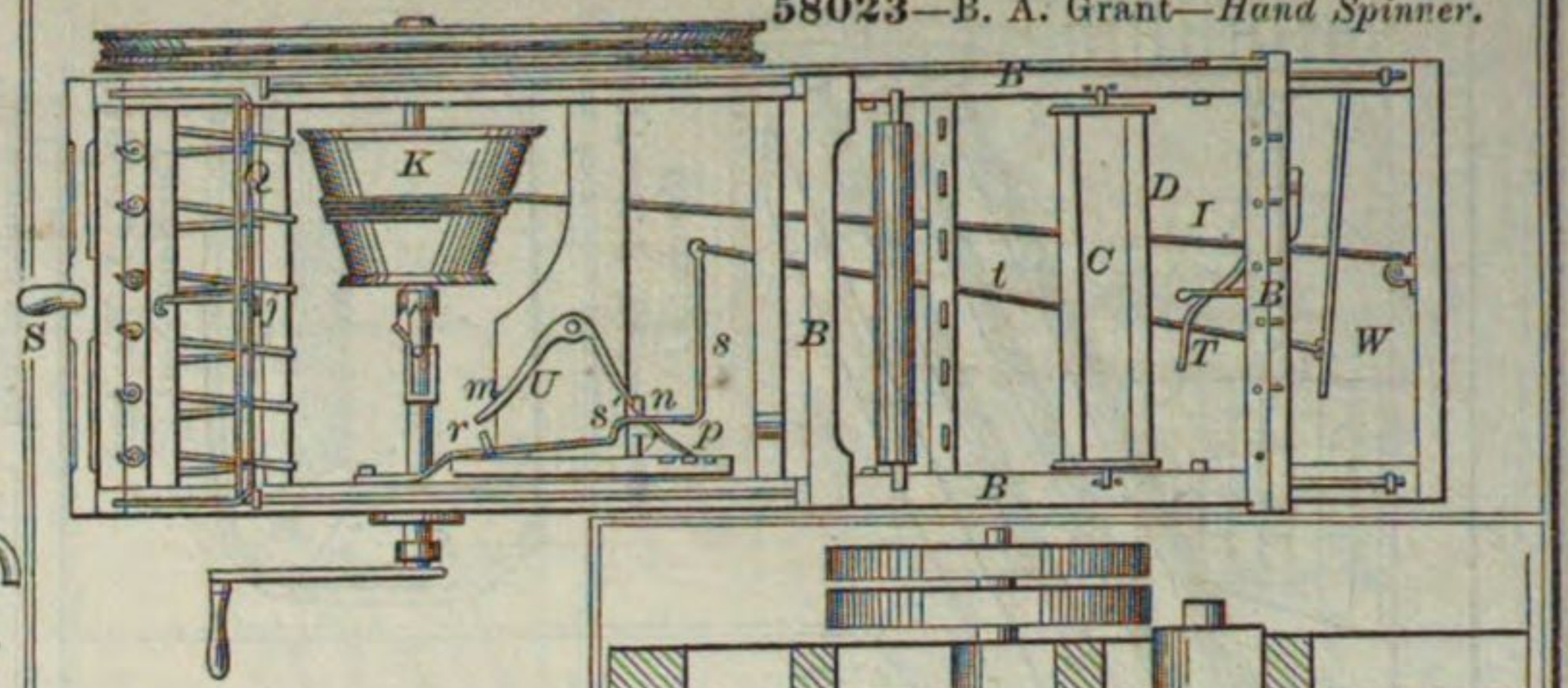
58021—Ewing & Everst—*Distilling Petroleum, &c.*

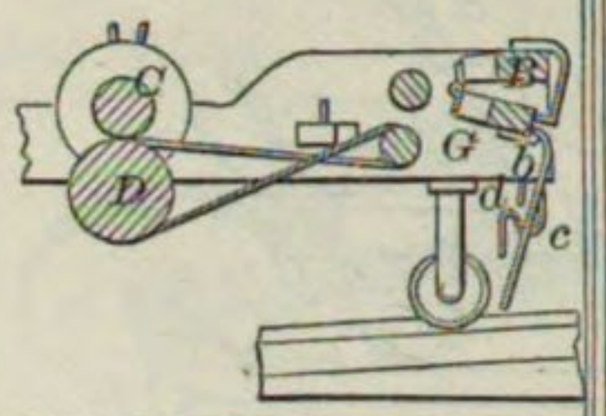


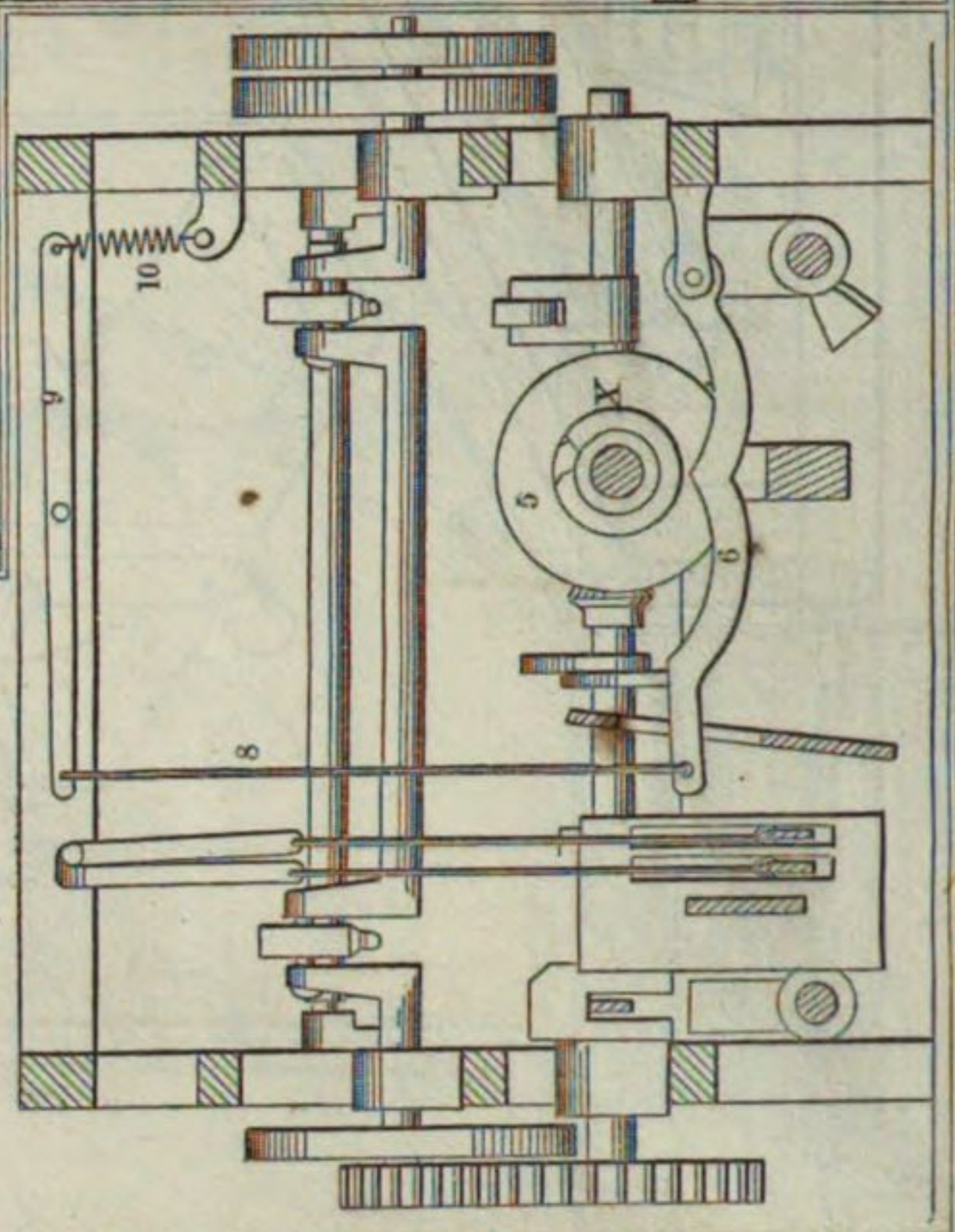
58022—S. C. Goodsell—*Flute.*



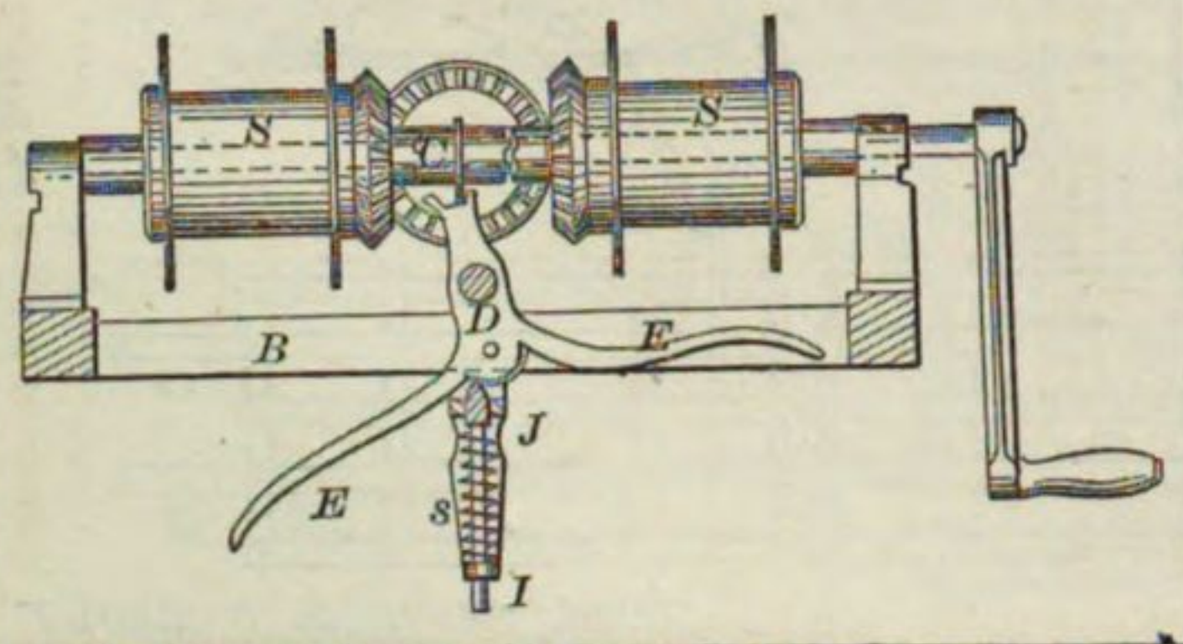
58023—B. A. Grant—*Hand Spinner.*



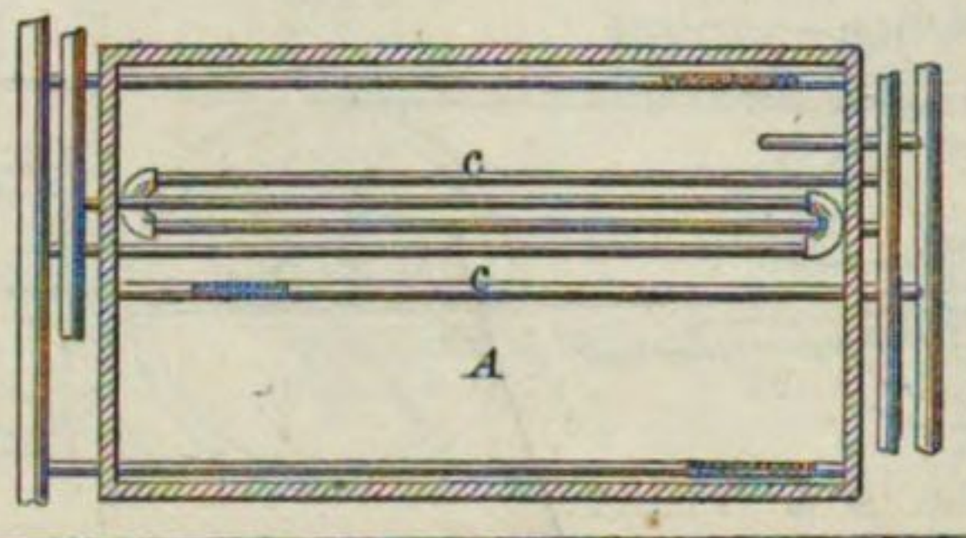




58019—G. B. Curtis—*Water Elevator.*



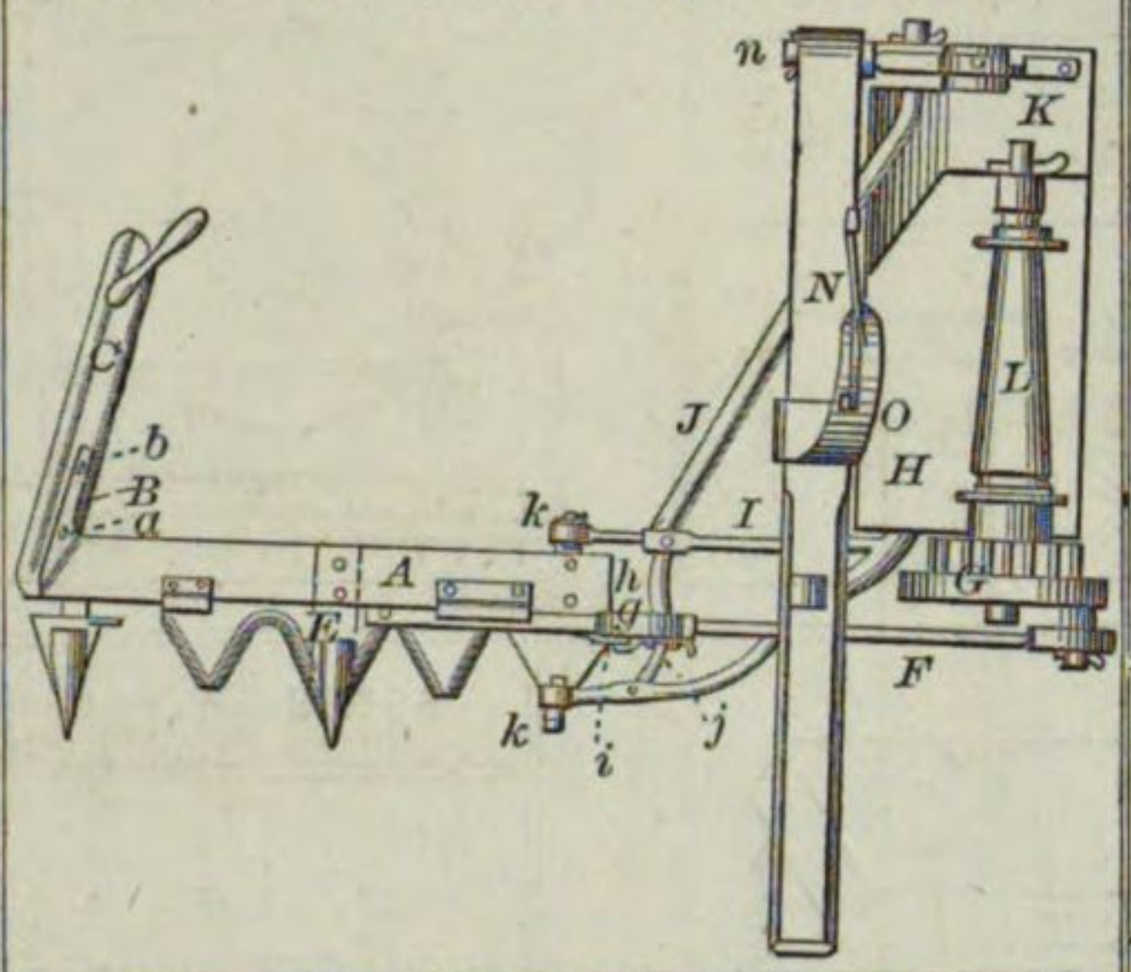
58020—M. P. Ewing—*Lubricating Material.*



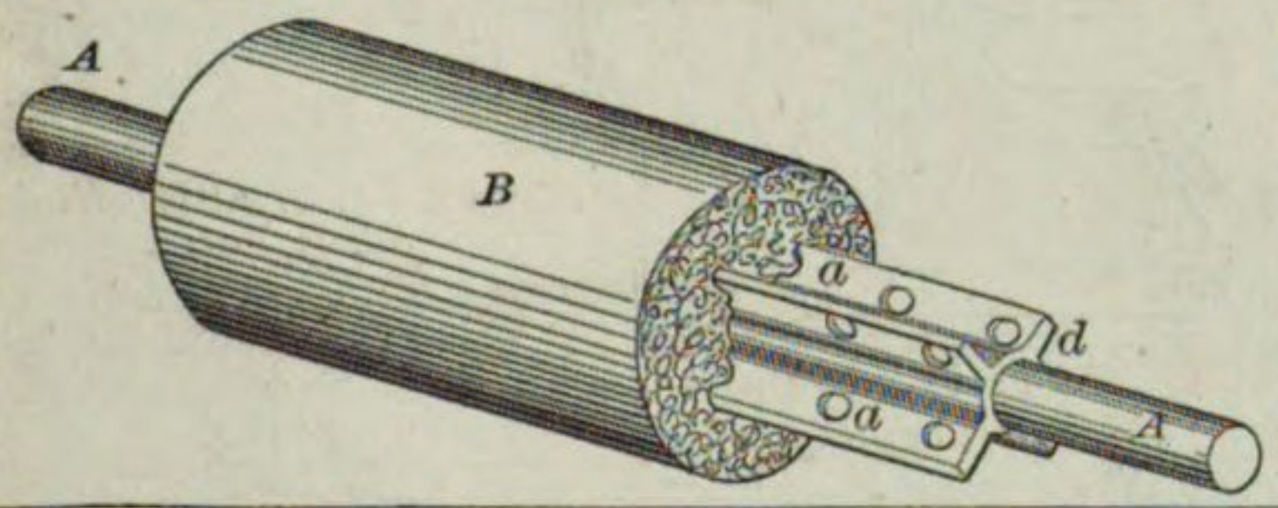
58024—J. B. Kershaw—*Loom.*

58025—W. T. Nicholson—*File.*

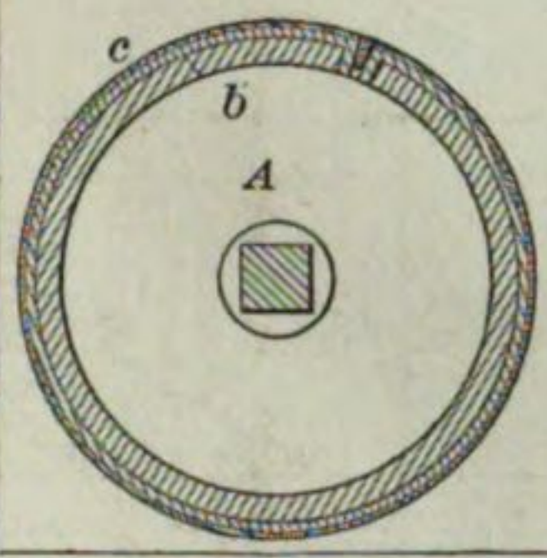
58026—G. S. Reynolds—*Reaper and Mower.*



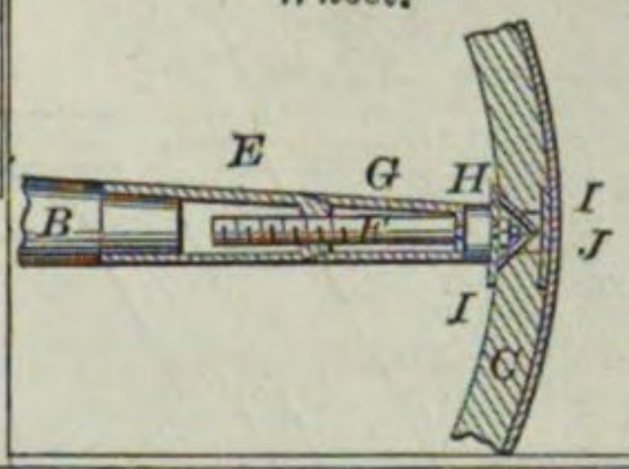
58027—H. Robbins—*Wringer Roller.*



58028—Rust & Buzzee—*Rubber Thread Cutter.*

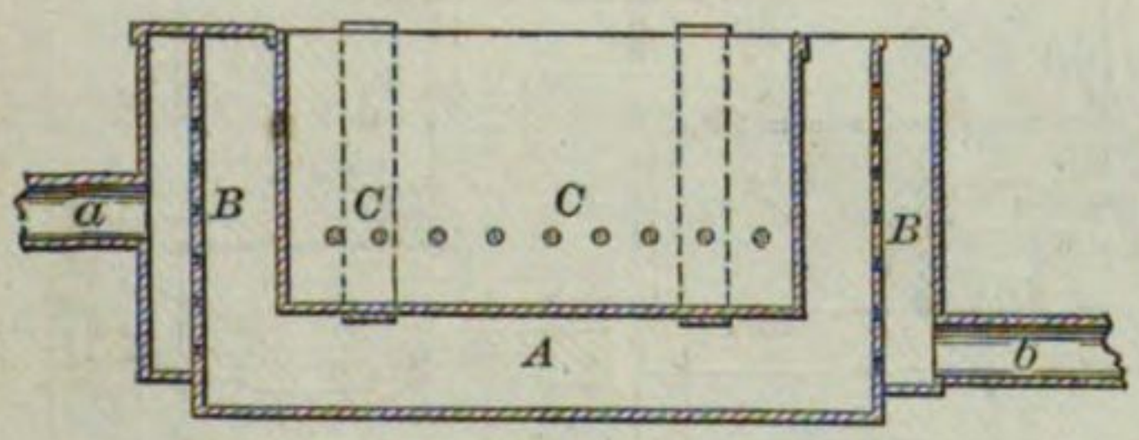


58030—R. Walker—*Carriage Wheel.*

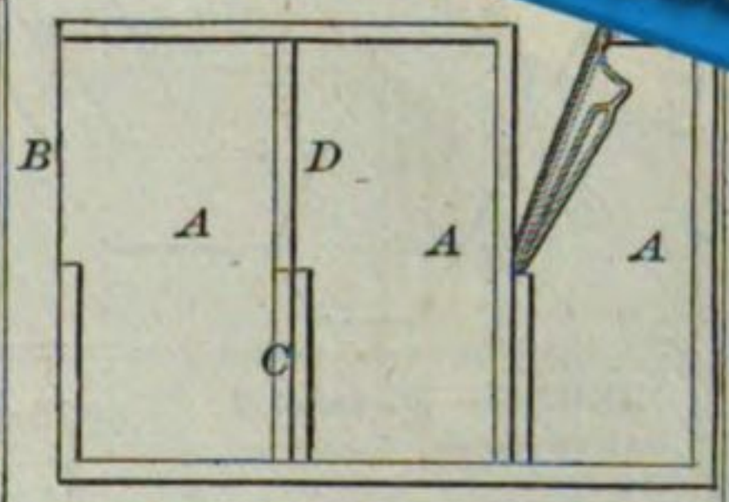


58029—E. J. Steele—*Window Shade Fastening.*

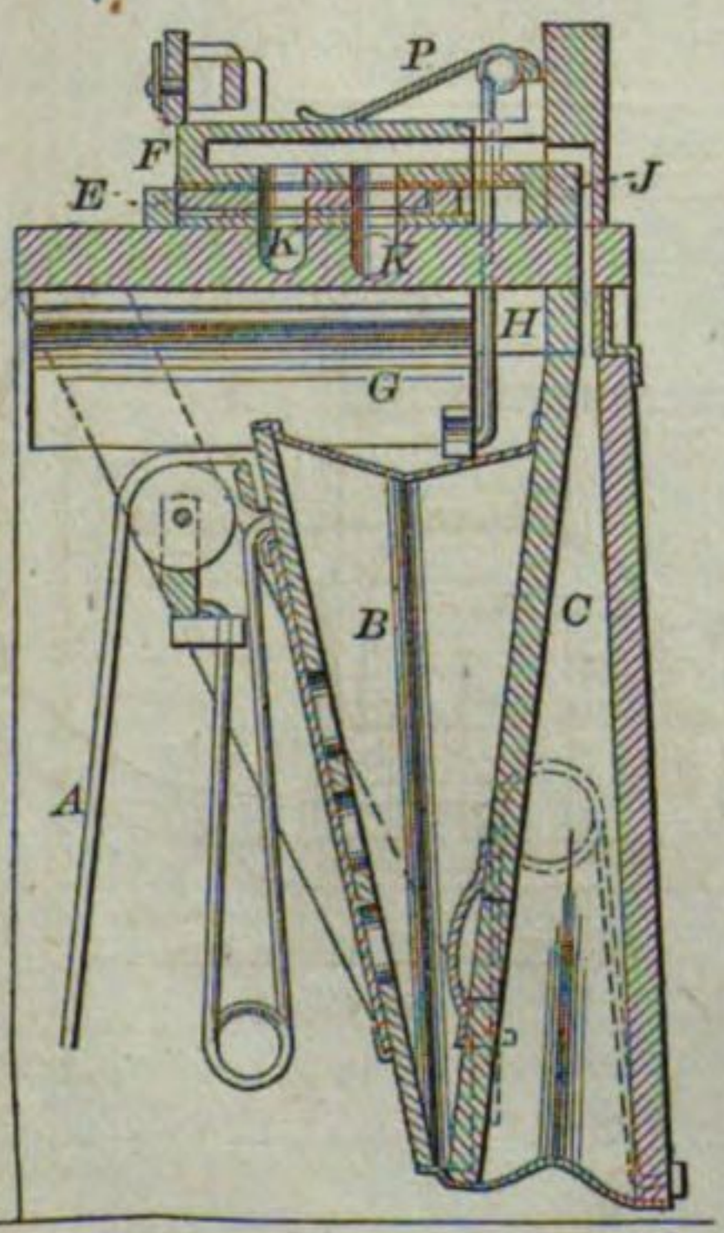
58031—Whysall & Porritt—*Tempering Springs.*



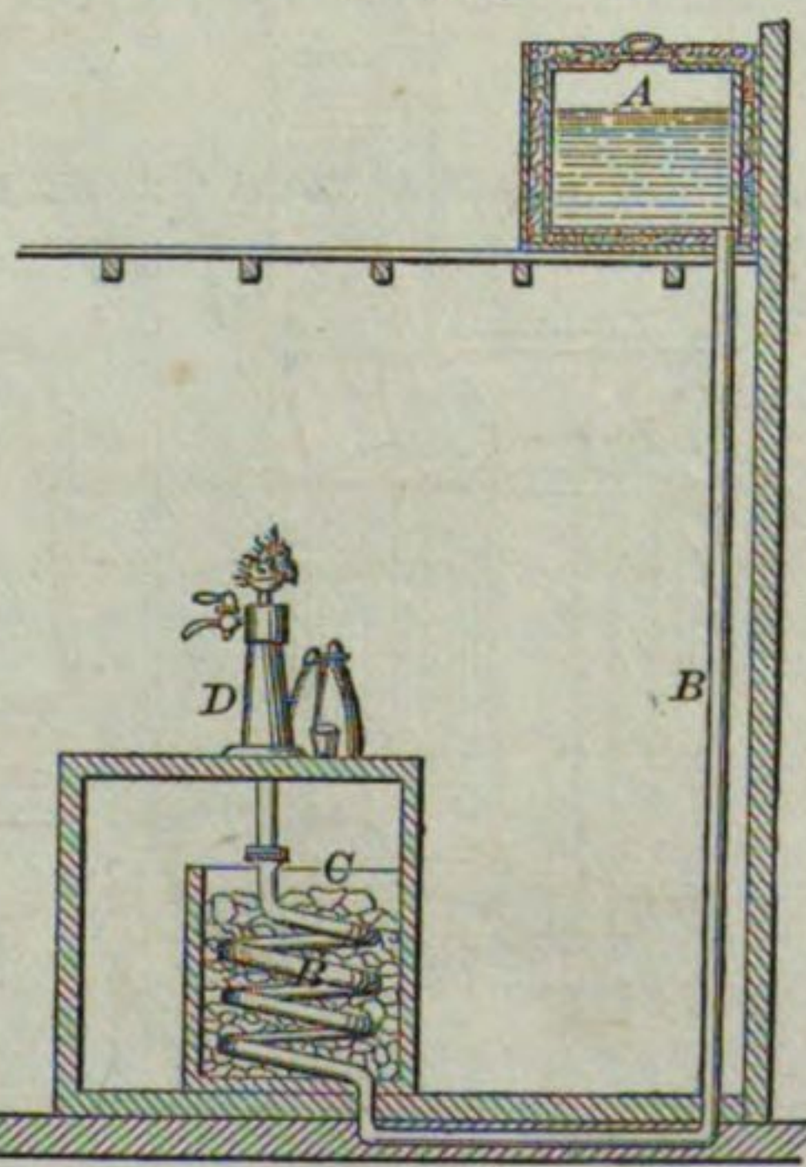
58035—G. Köttgen—*Seamless Pocke*



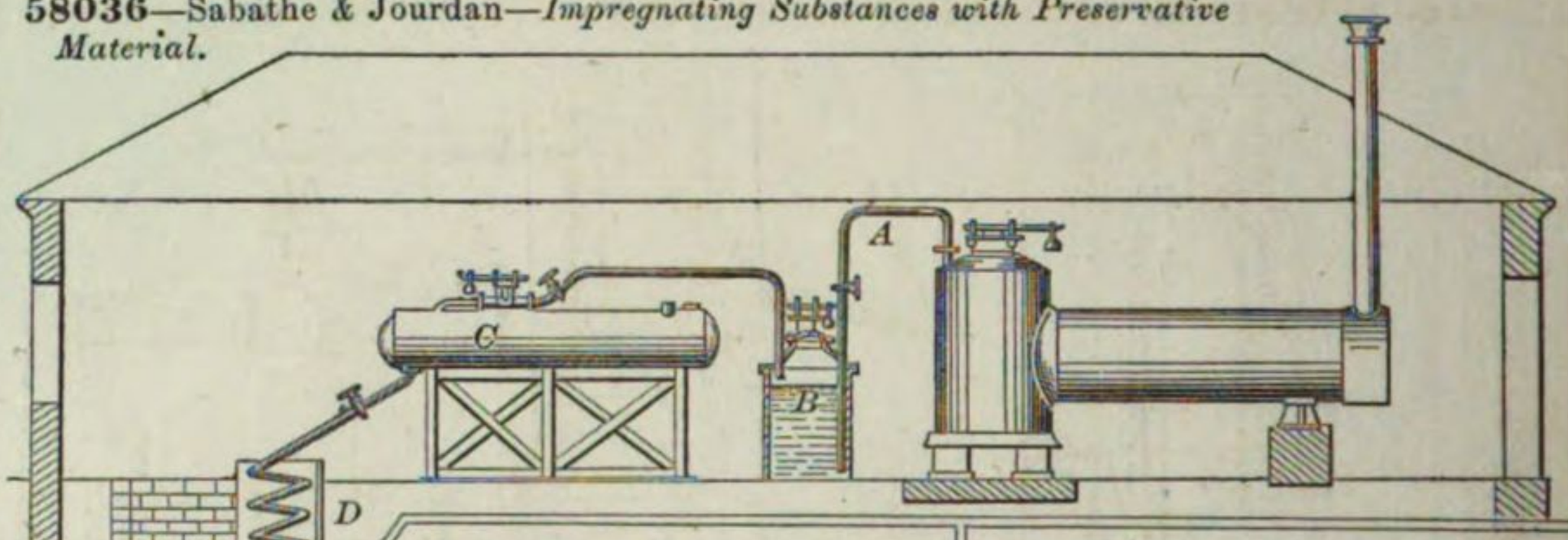
58032—G. Woods—*Musical Instrument.*



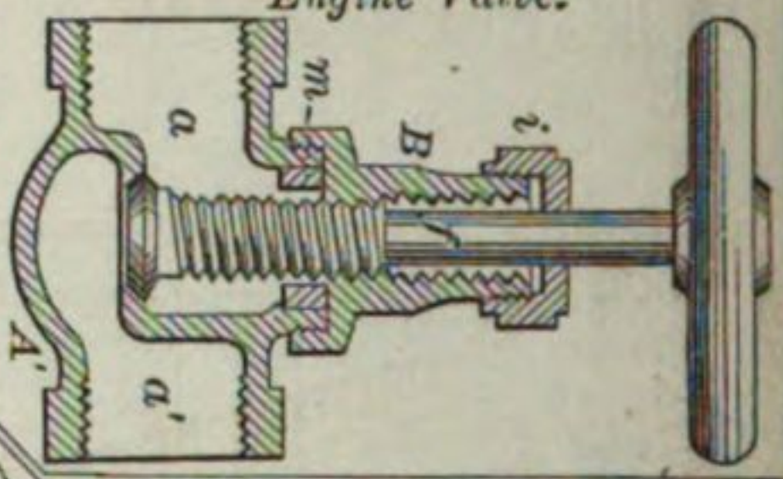
58033—E. B. Wright—*Soda Fountain.*



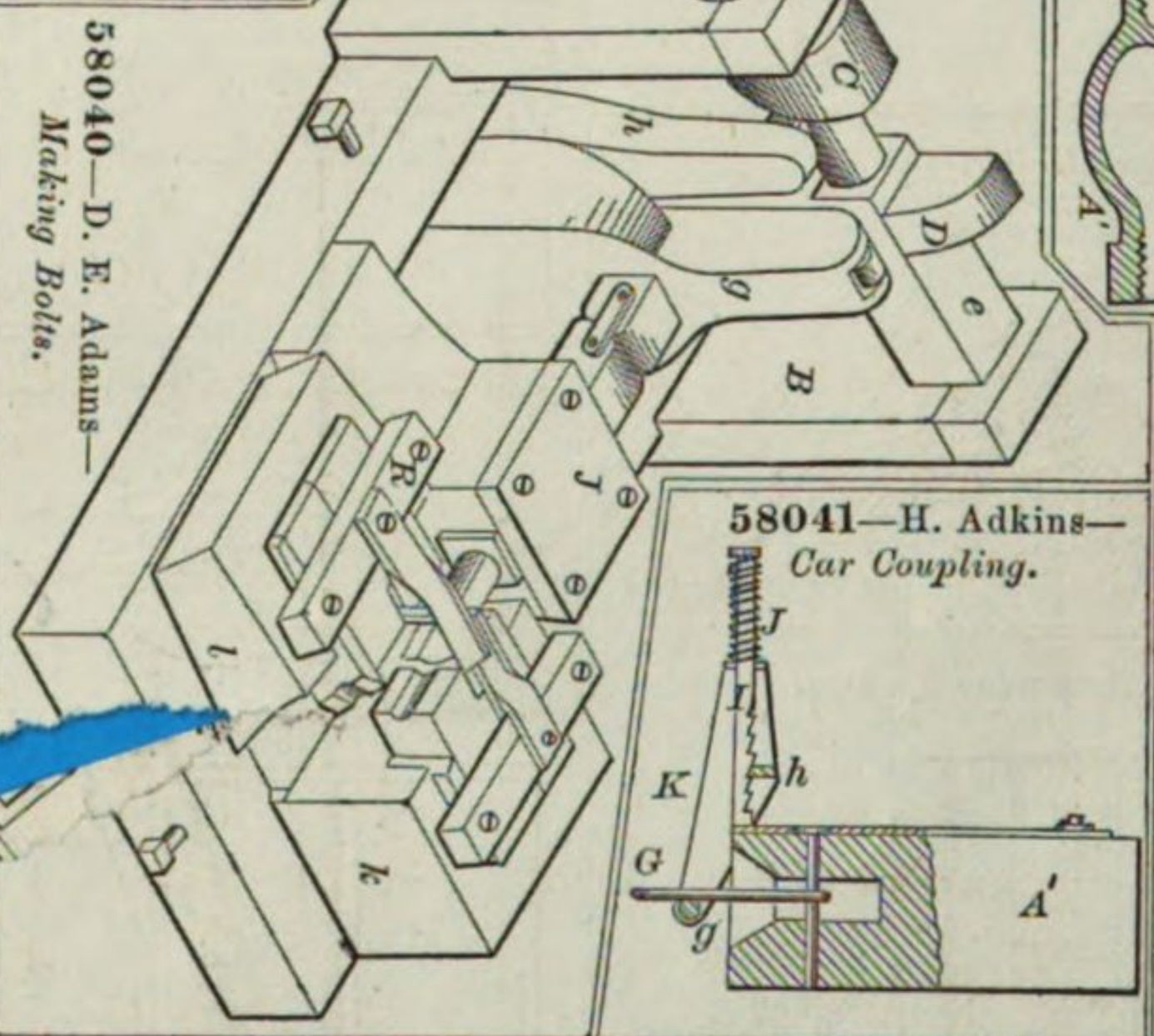
58036—Sabáthe & Jourdan—*Impregnating Substances with Preservative Material.*



58039—W. S. Cooper—*Steam Engine Valve.*

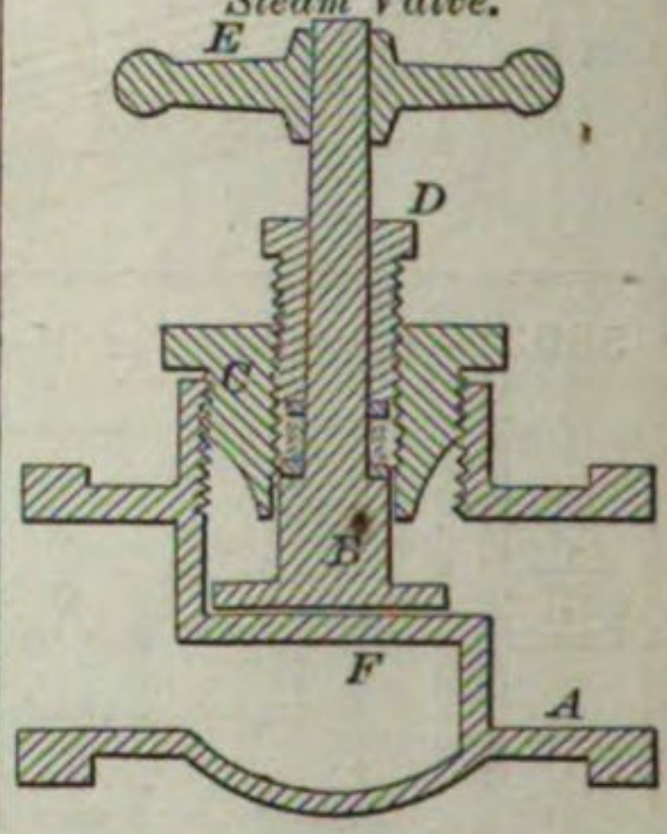


58040—D. E. Adams—*Making Bolts.*

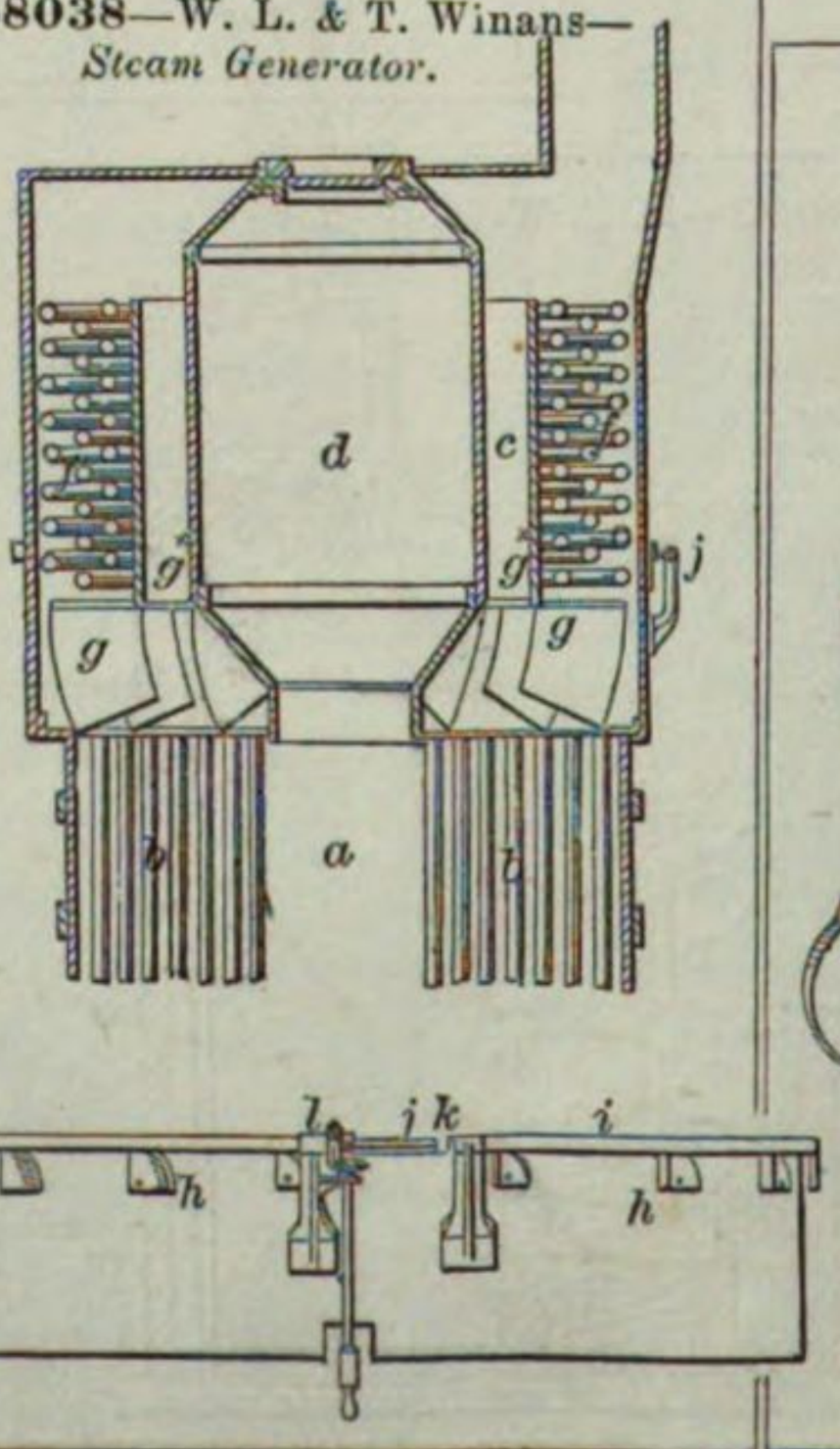


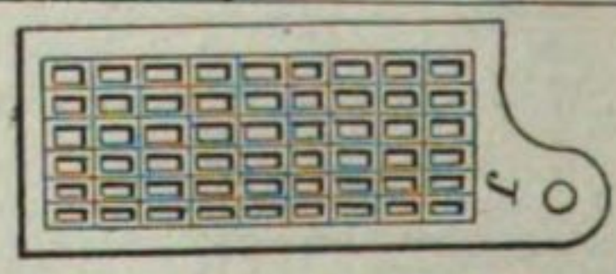
58041—H. Adkins—*Car Coupling.*

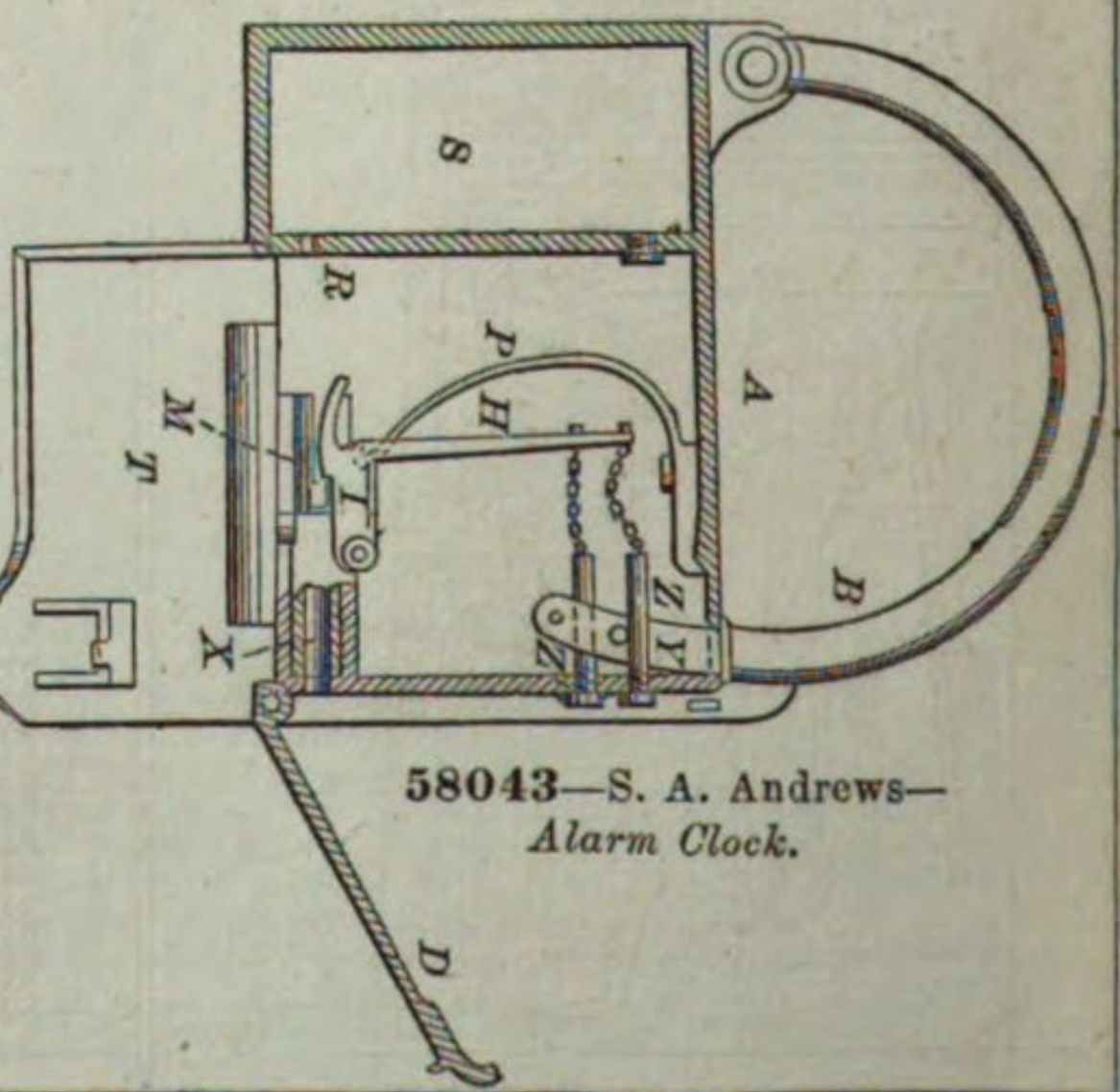
58042—J. O. Altic—*Globe Steam Valve.*



58038—W. L. & T. Winans—*Steam Generator.*

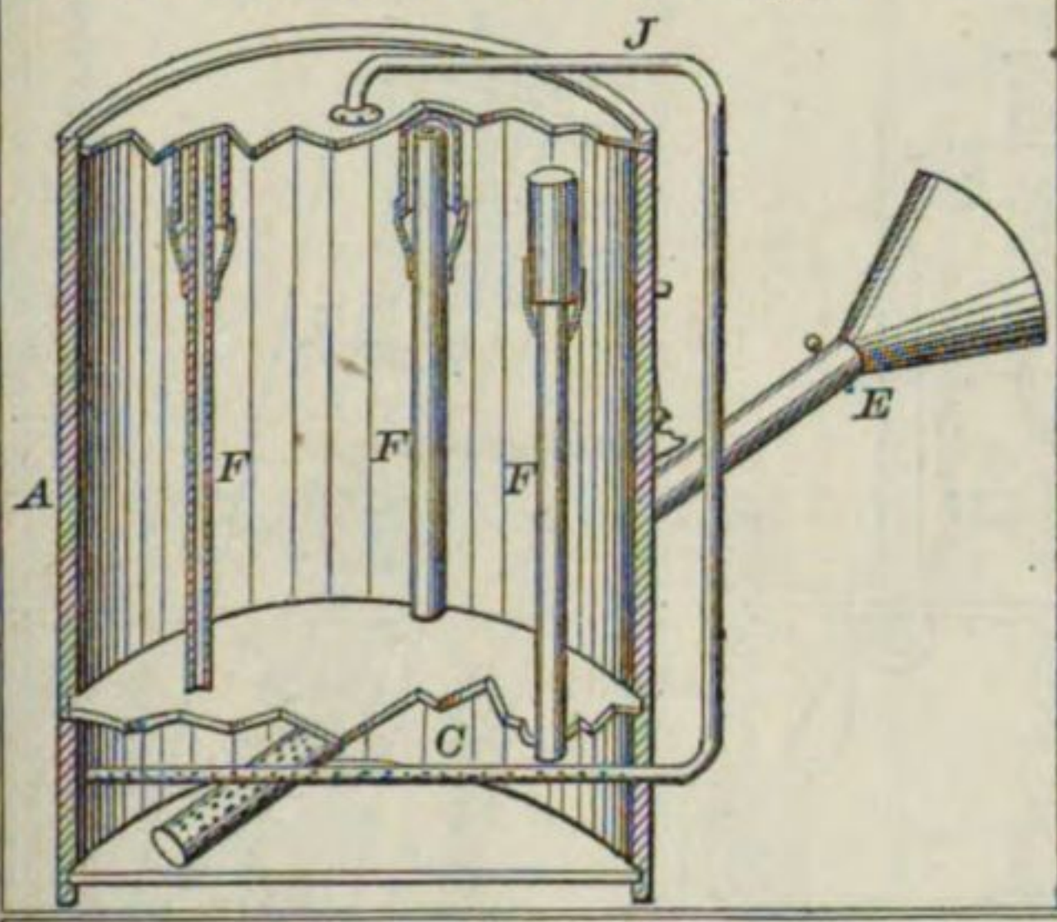




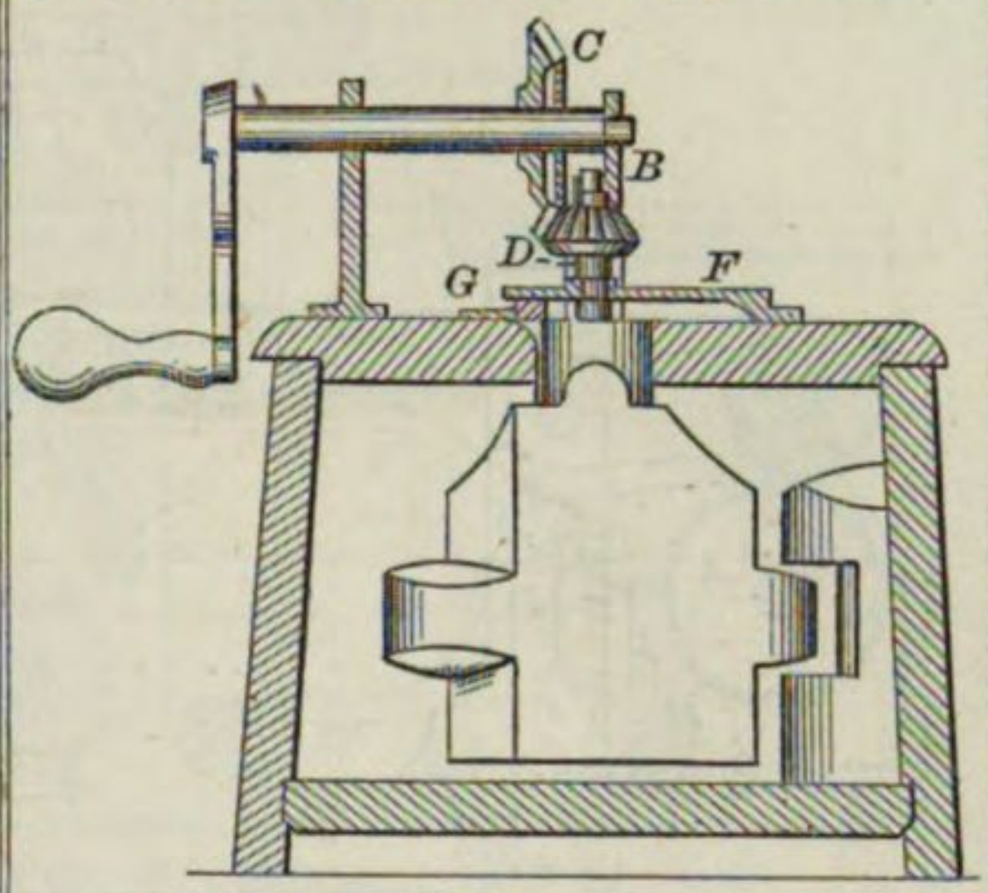


58043—S. A. Andrews—*Alarm Clock.*

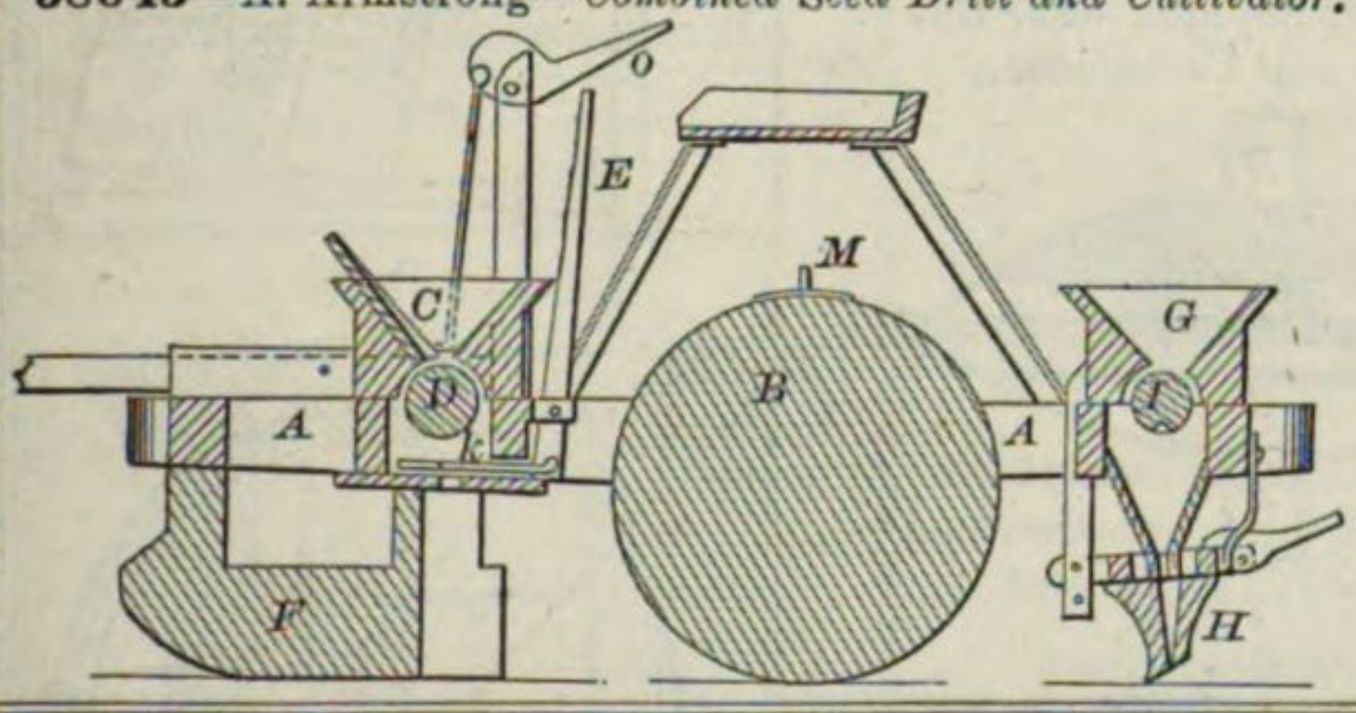
58044—E. Arleth—*Making Vinegar.*



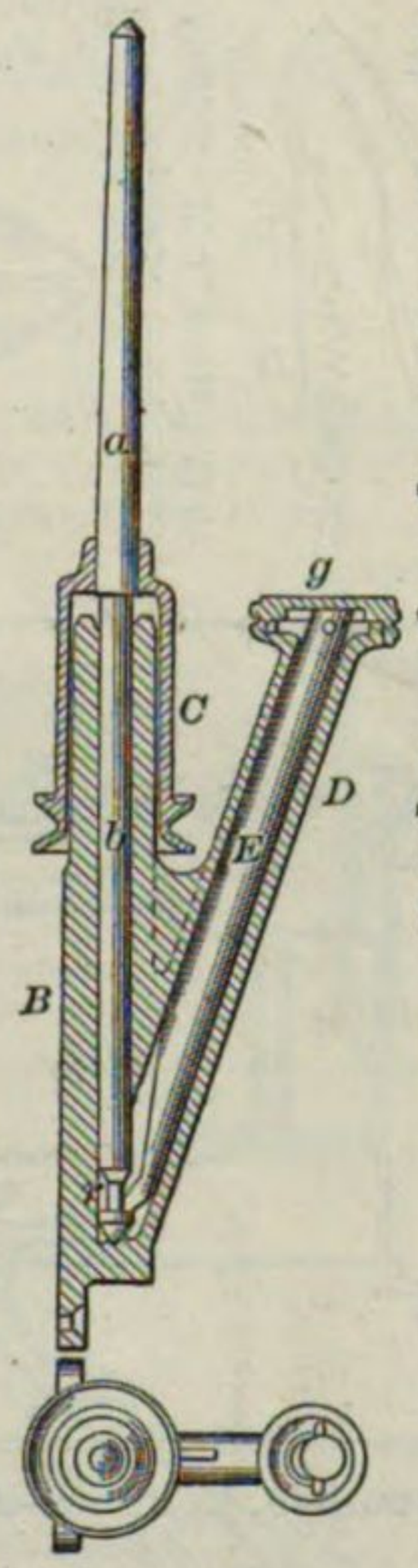
58047—J. A. Balzart—*Churn.*



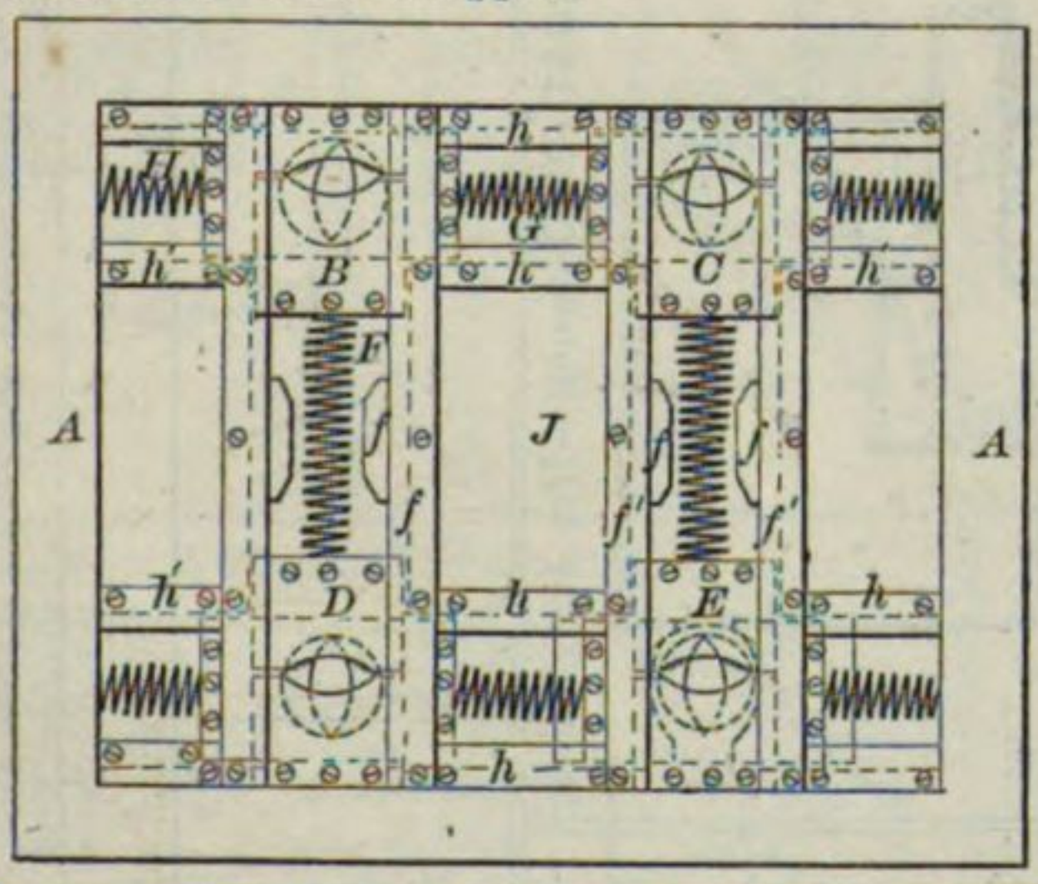
58045—A. Armstrong—*Combined Seed Drill and Cultivator.*



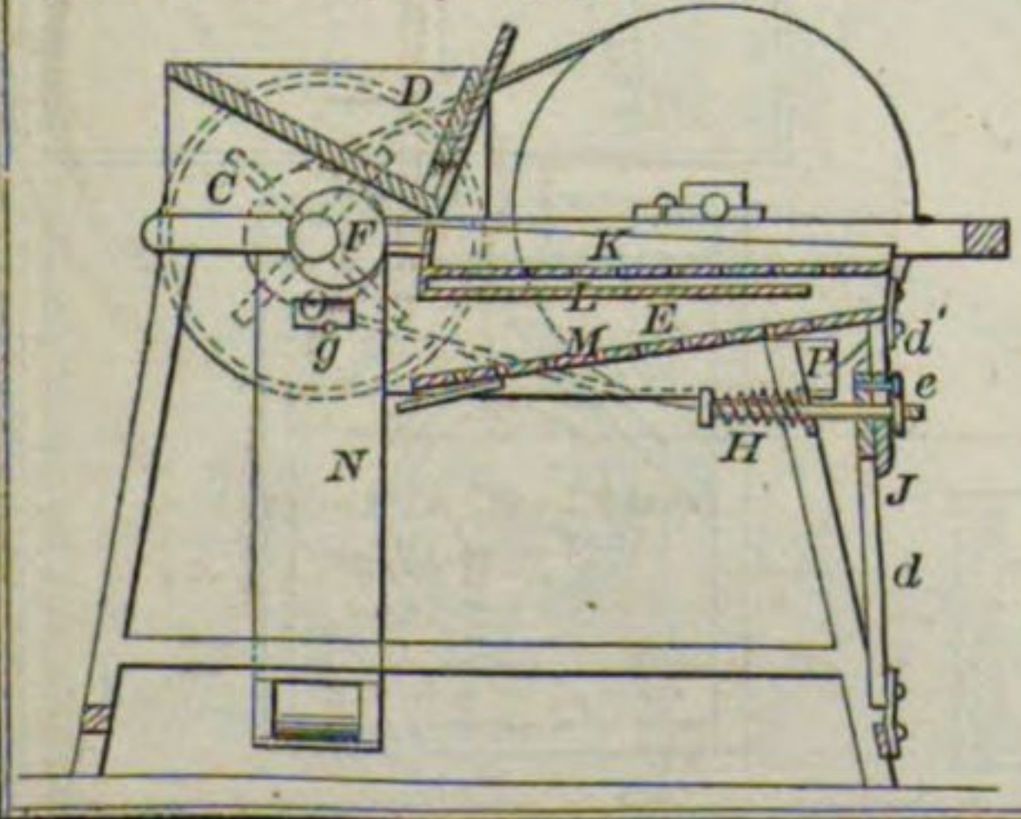
58046—J. E. Atwood—*Spinning Frame Spindle.*



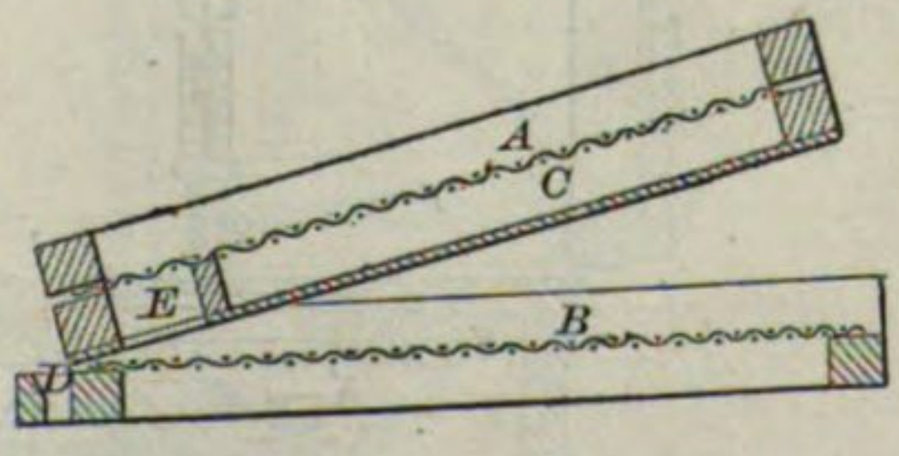
58049—W. N. Barr—*Cane Stripper.*



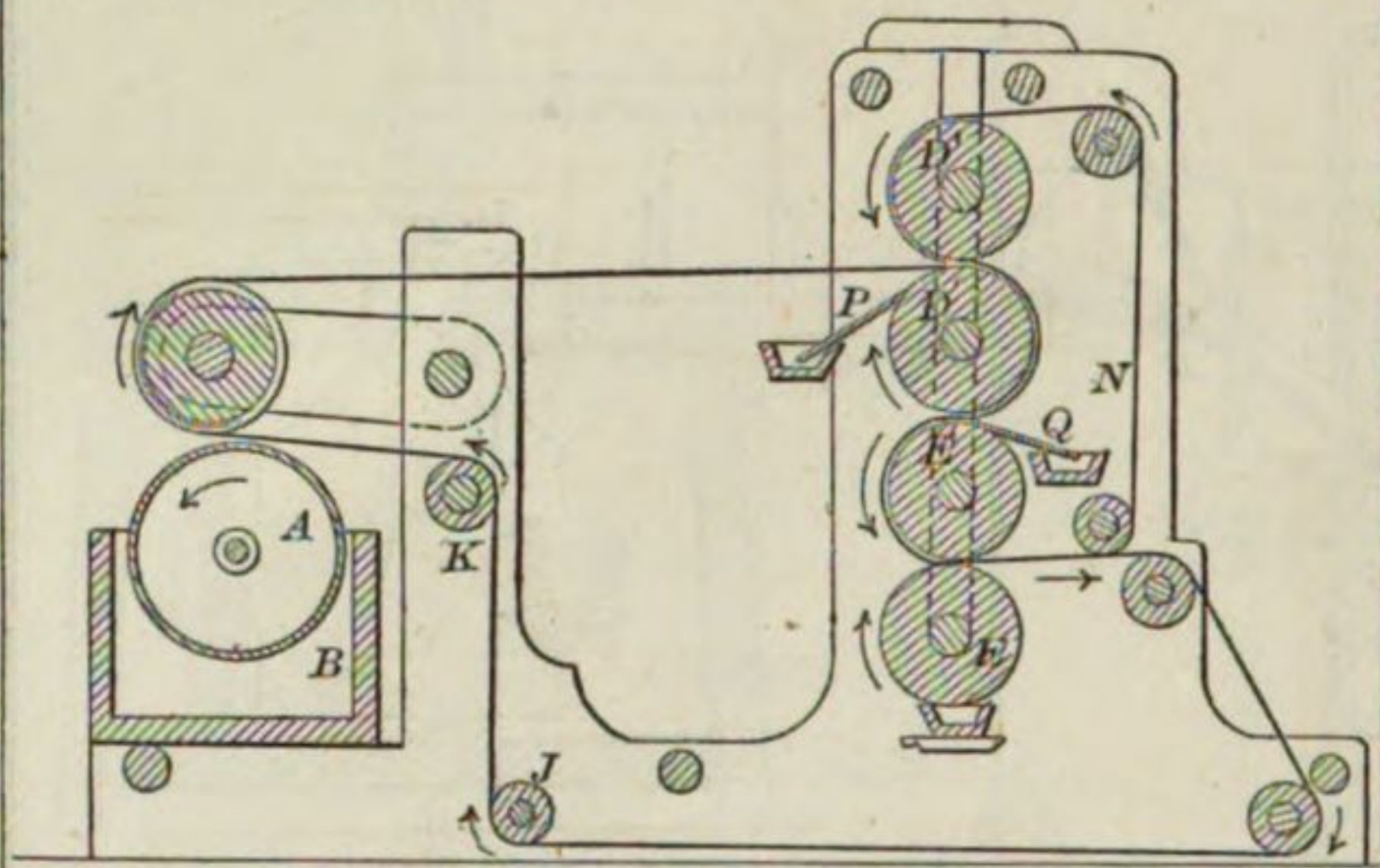
58048—B. Barney—*Grain Cleaner.*



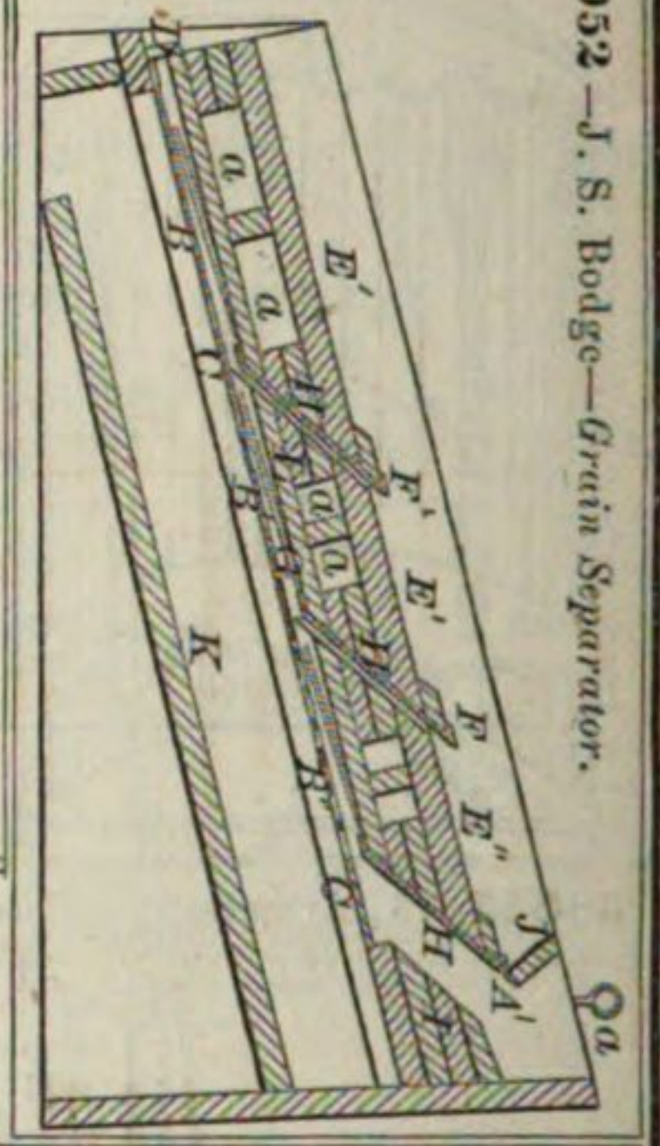
58050—C. F. Baylor—*Grain Screen.*



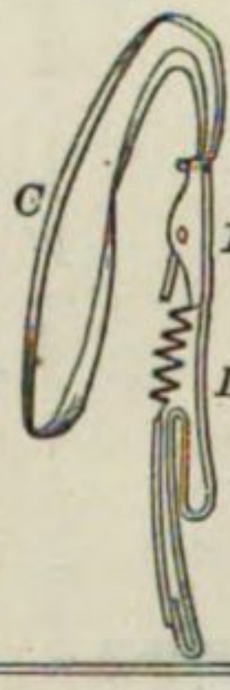
58051—E. B. Bingham—*Paper Making Machine.*



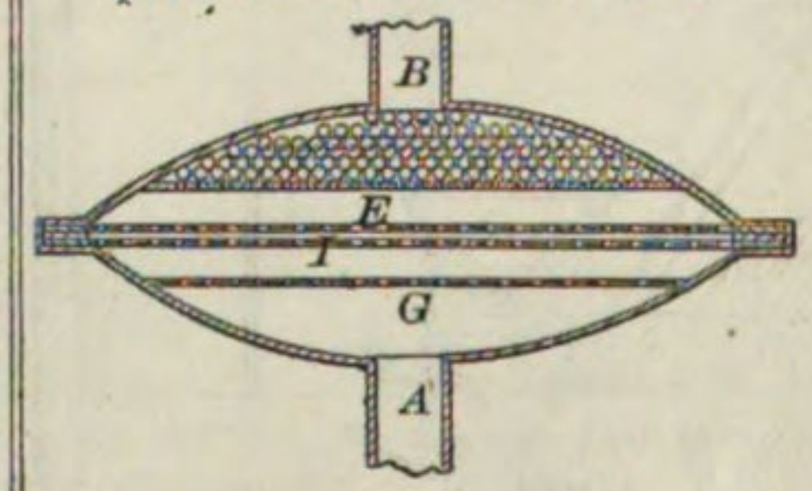
58052—J. S. Bodge—*Grain Separator.*

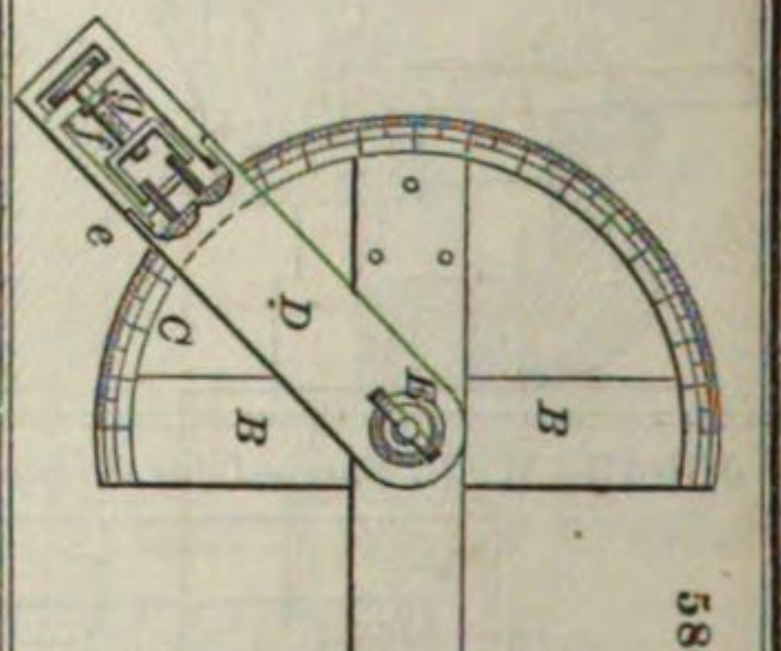


58053—P. J. Boris—*Skirt Elevator.*



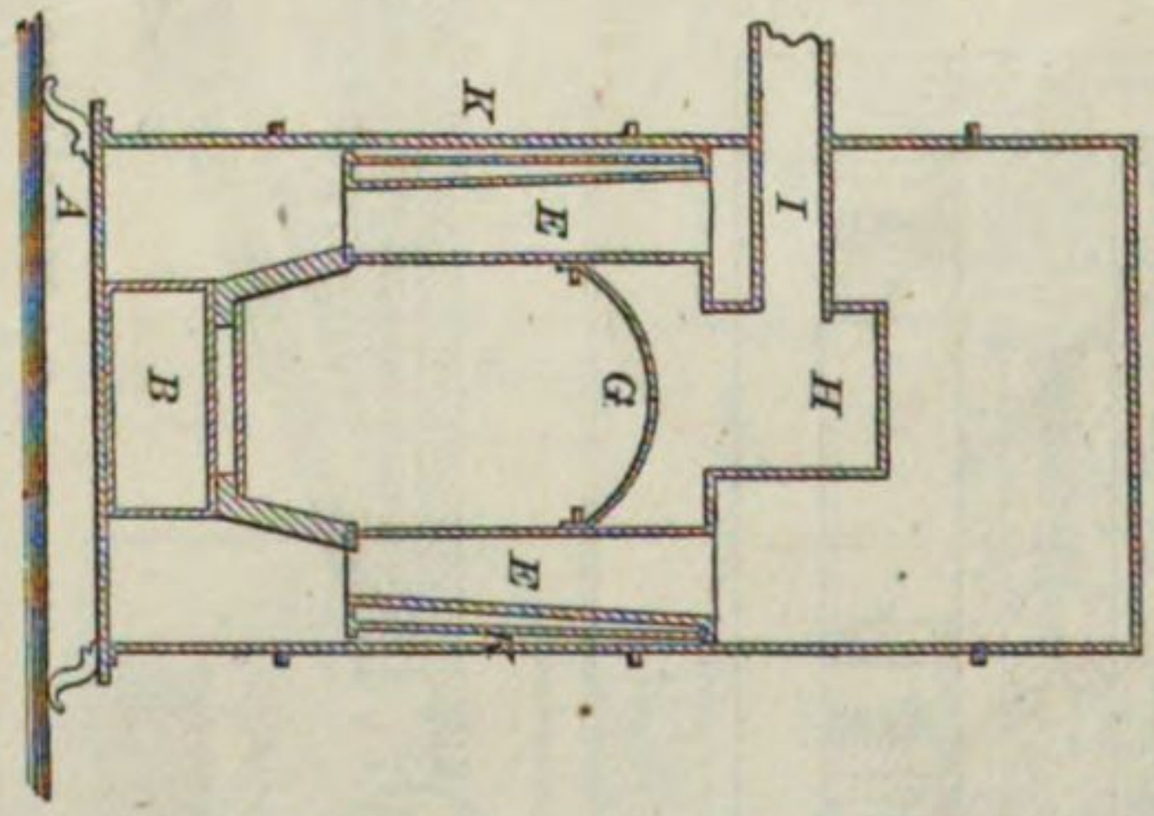
58055—J. F. Boynton—*For Gas Machines and Carburettors.*



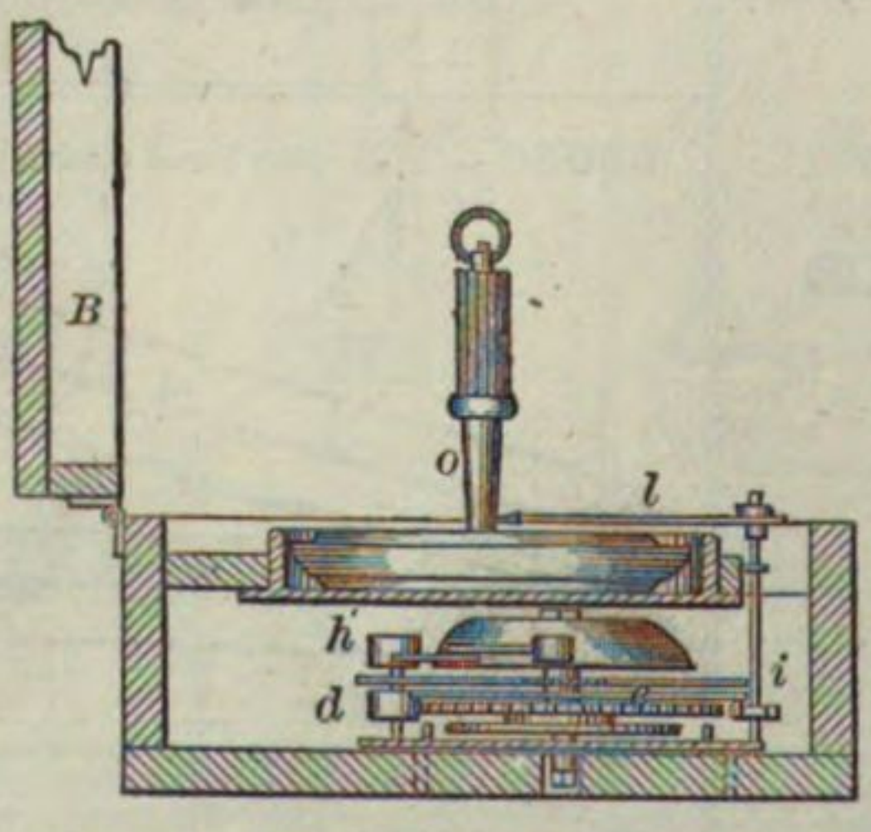


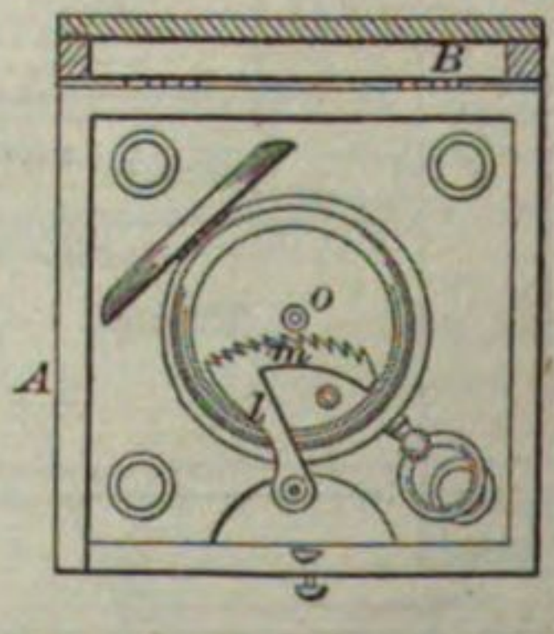
58056—A. Bronson—*T-Square.*

58057—B. Brownell—*Hot Air Furnace.*

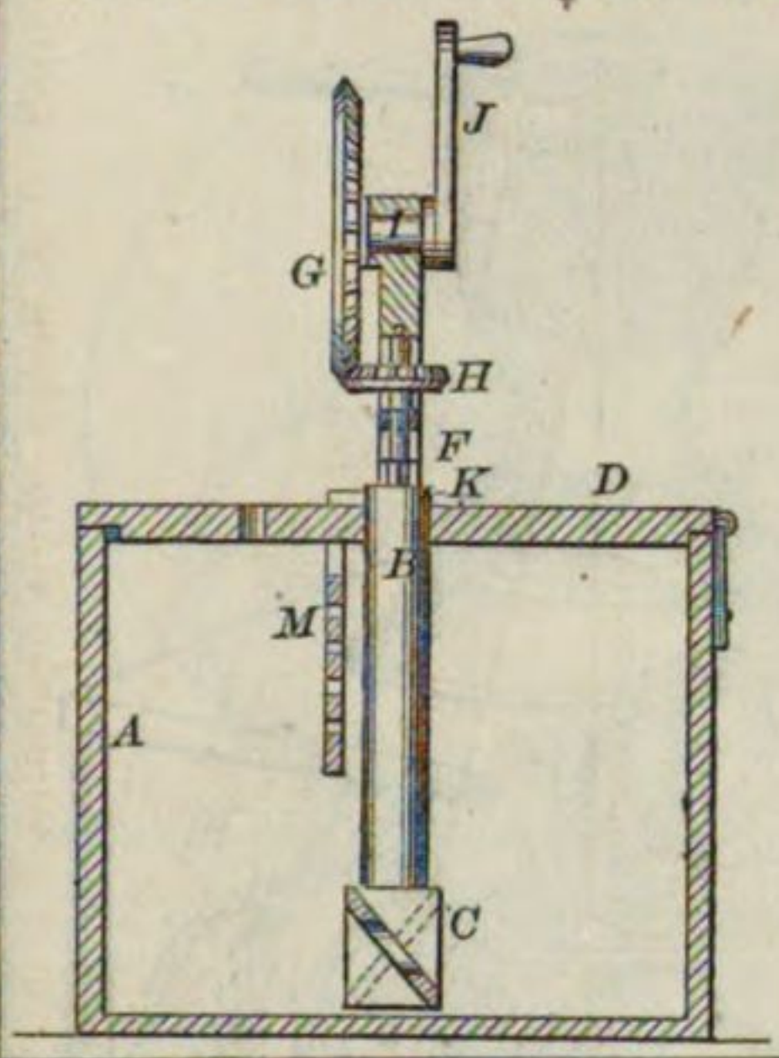


58058—J. E. Buerk—*Alarm Clock.*

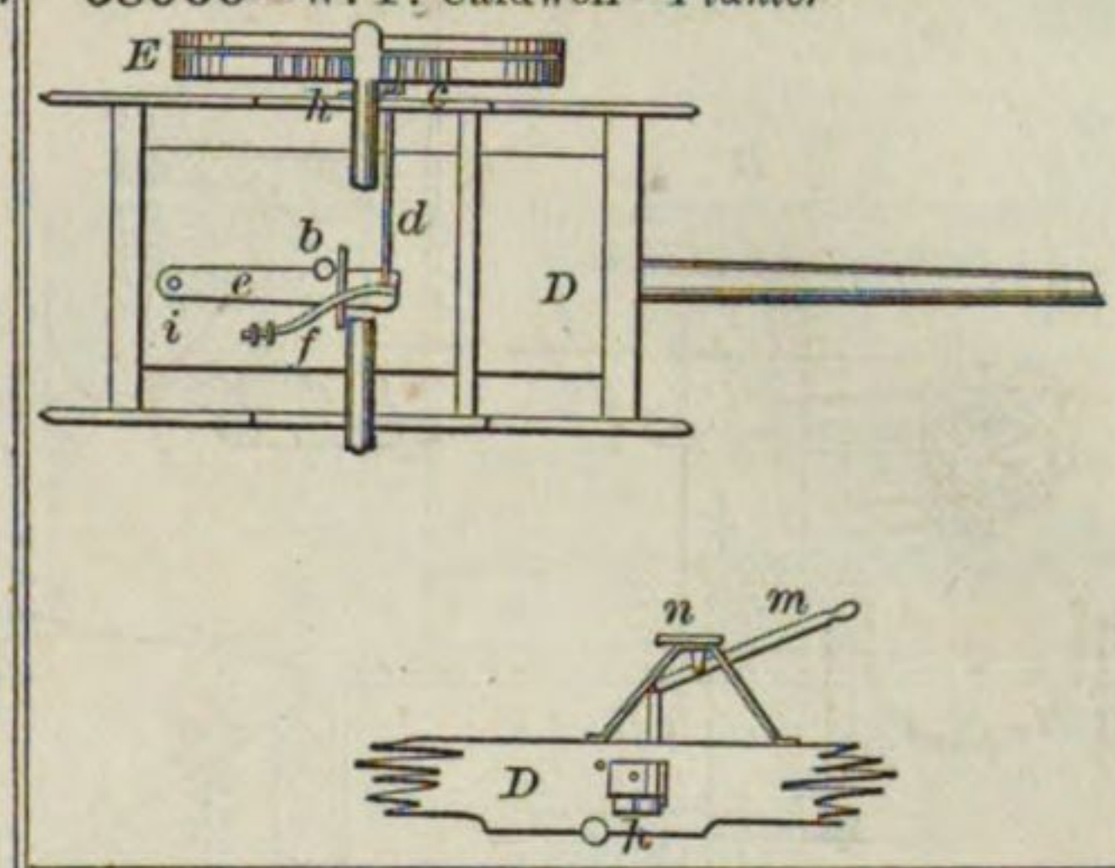




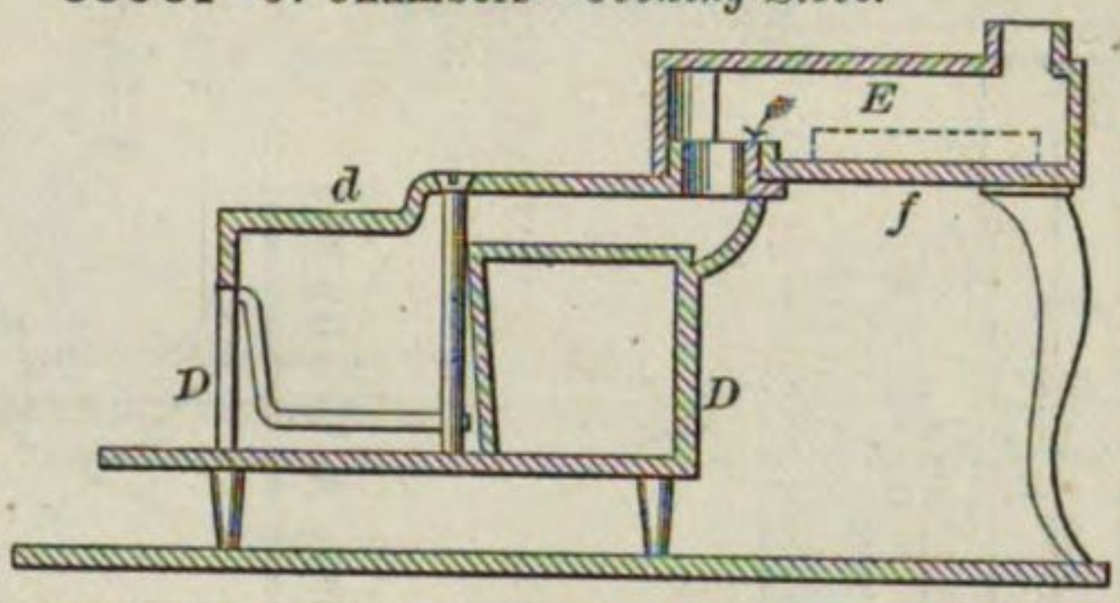
58059—W. & D. C. Burson—*Churn.*



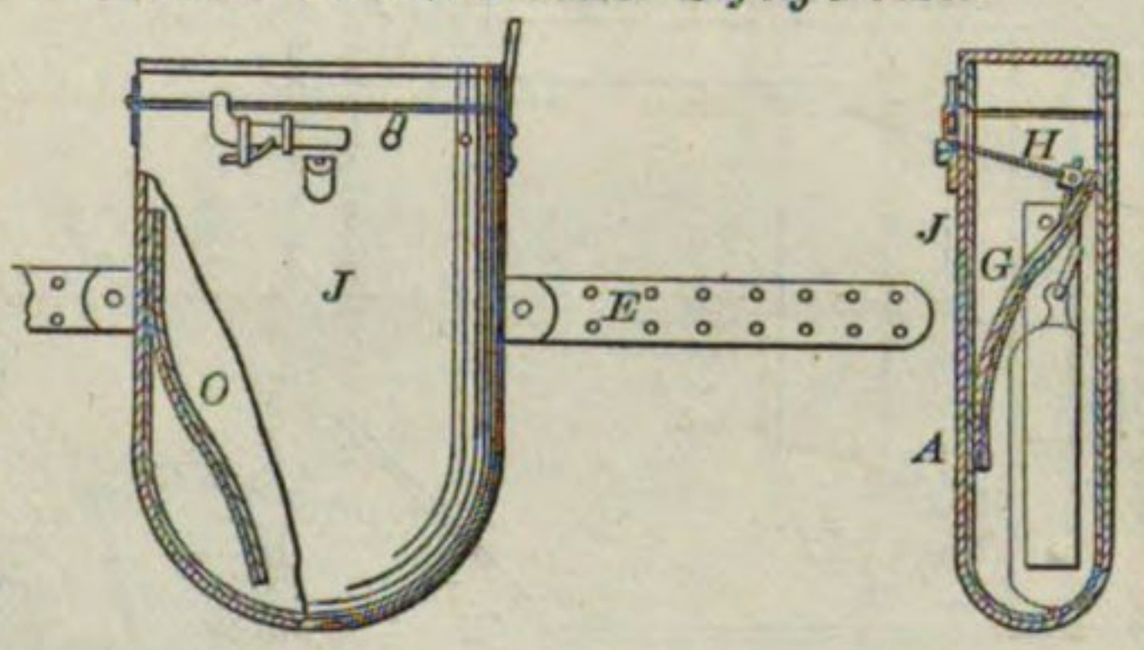
58060—W. F. Caldwell—*Planter*



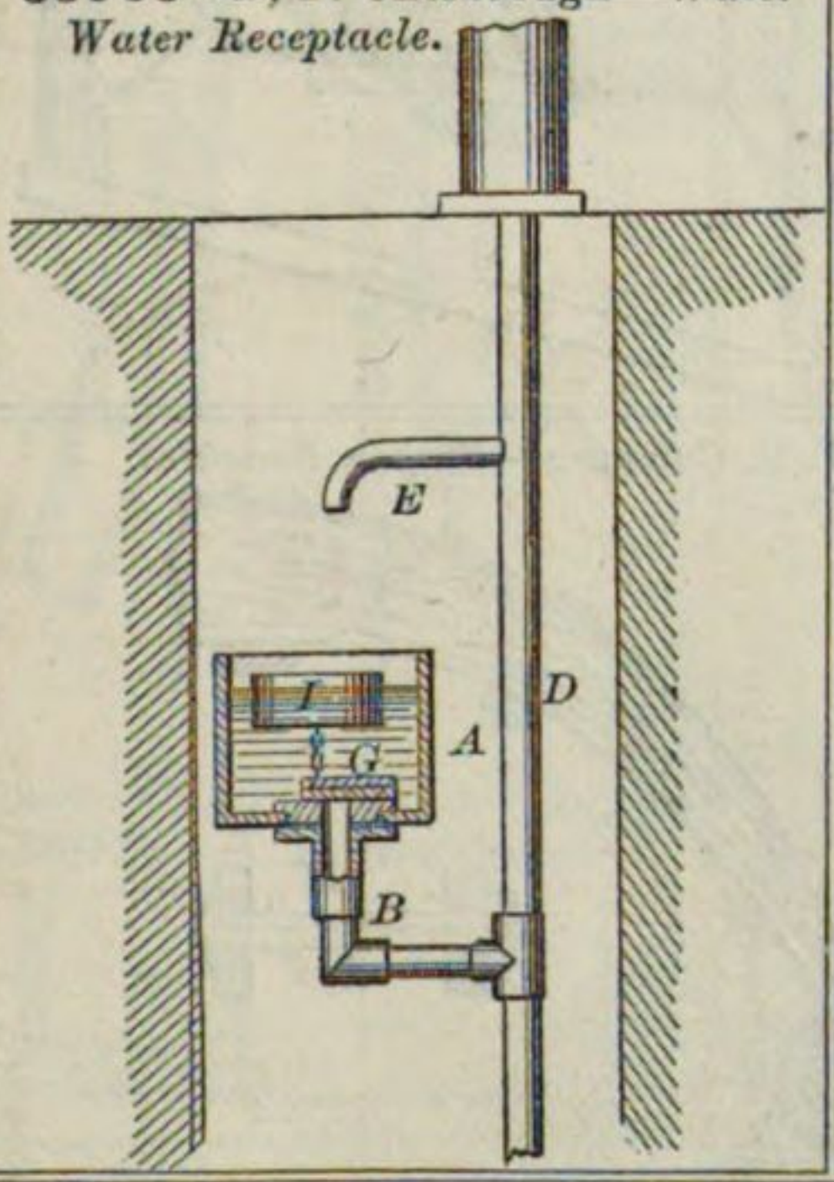
58061—J. Chambers—*Cooking Stove.*



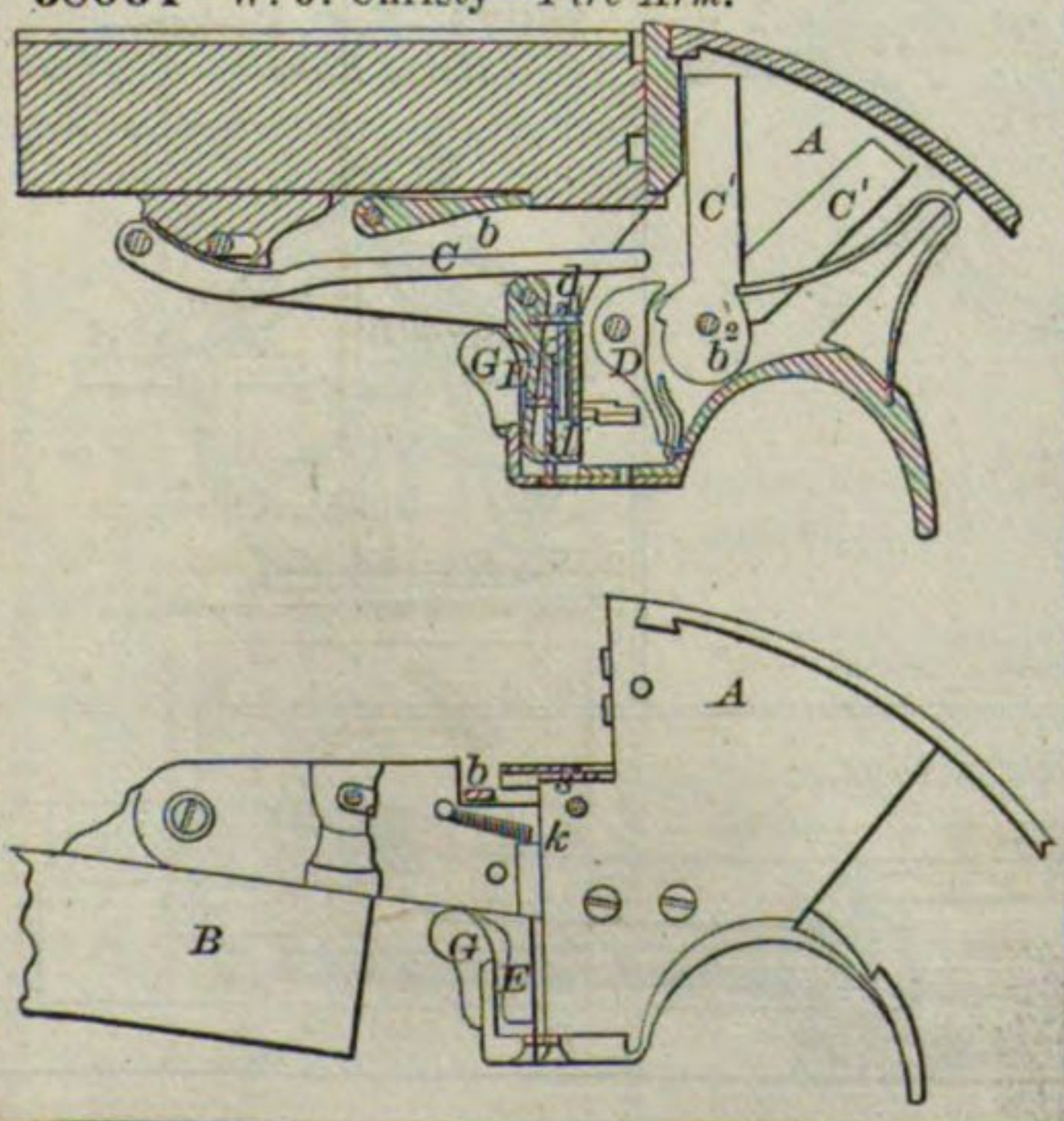
58062—J. T. Chambers—*Safety Pocket.*



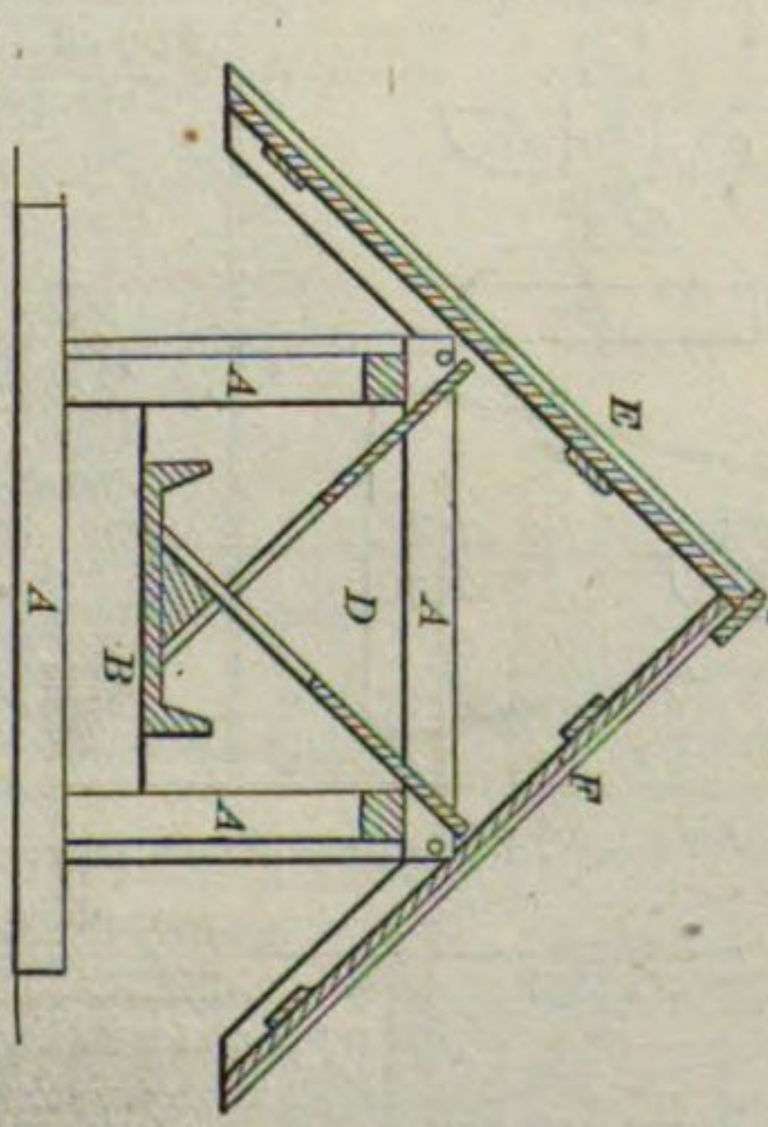
58063—D, P. Chesbrough—*Waste Water Receptacle.*



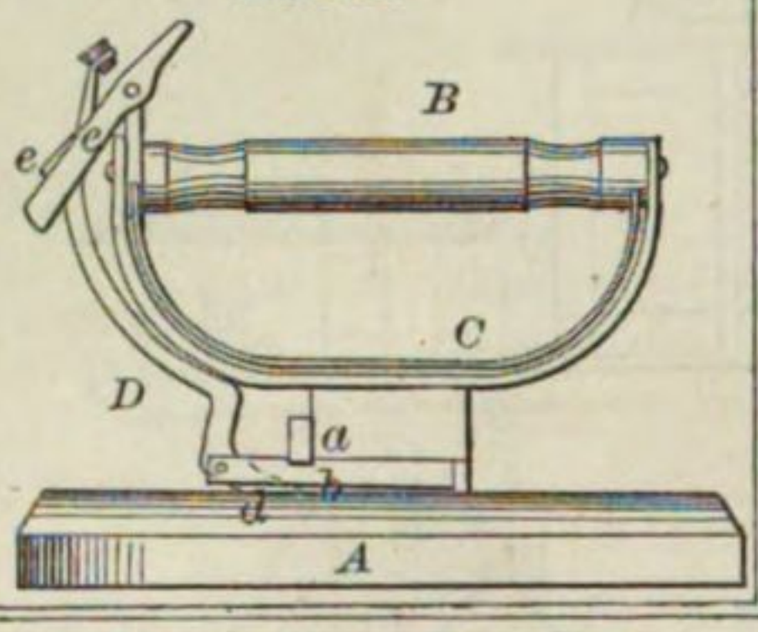
58064—W. J. Christy—*Fire Arm.*



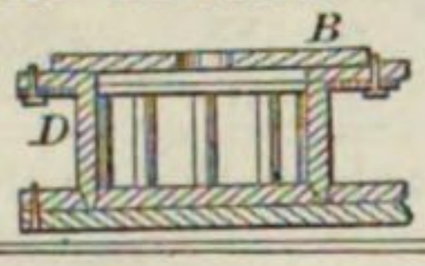
58065—M. C. Clark—*Sheep Rack.*



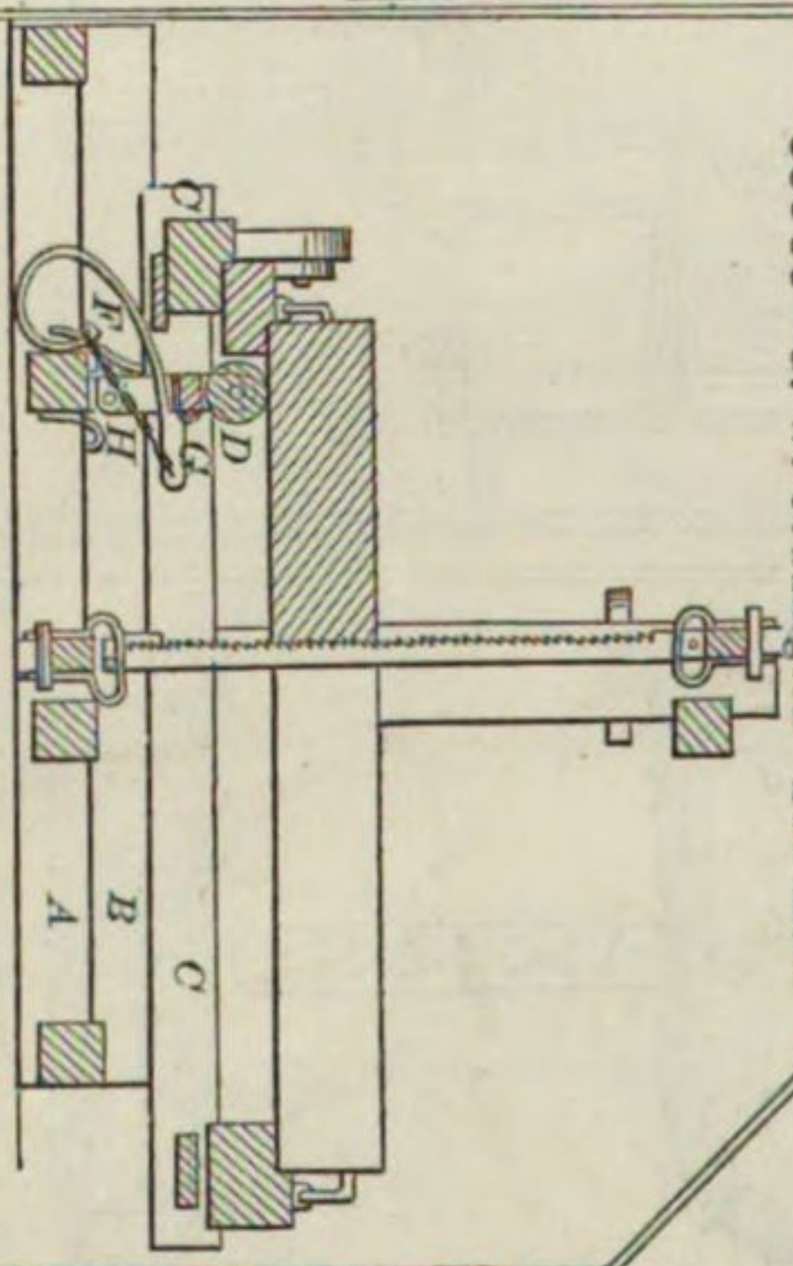
58066—H. Clarkson—*Sad Iron Handle.*



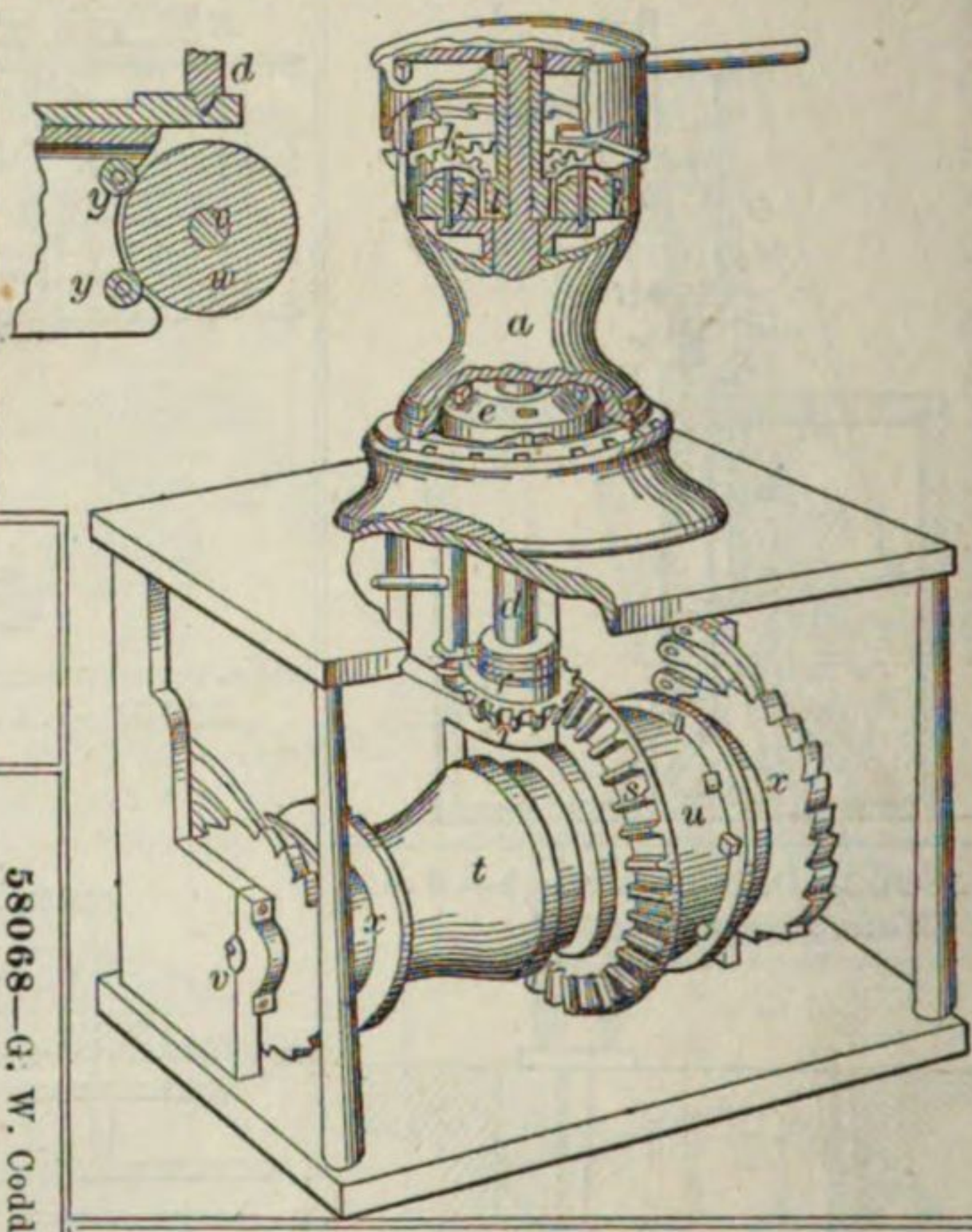
58067—F. Closs—*Boot Heel.*



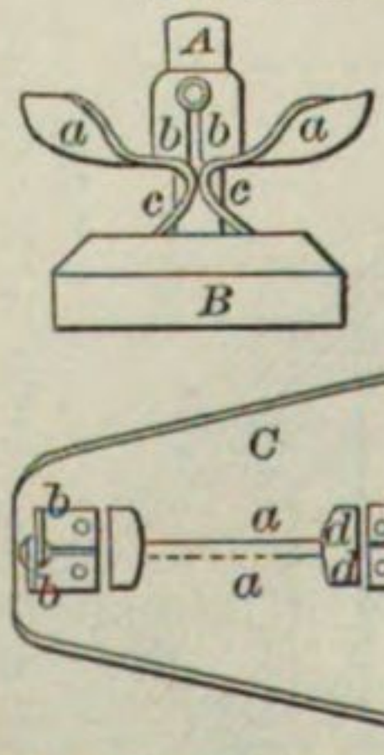
58068—G. W. Coddington—*Saw Mill.*



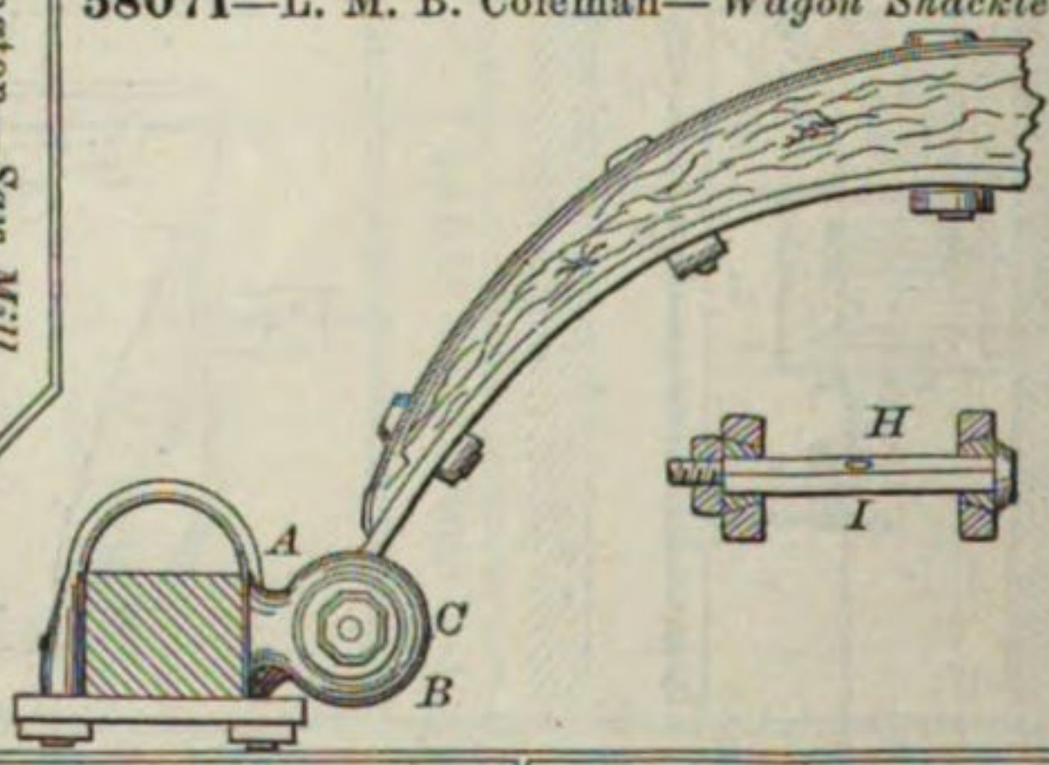
58069—Z. E. Coffin—*Capstan Windlass.*



58070—E. T. Colburn—*Sad Iron.*

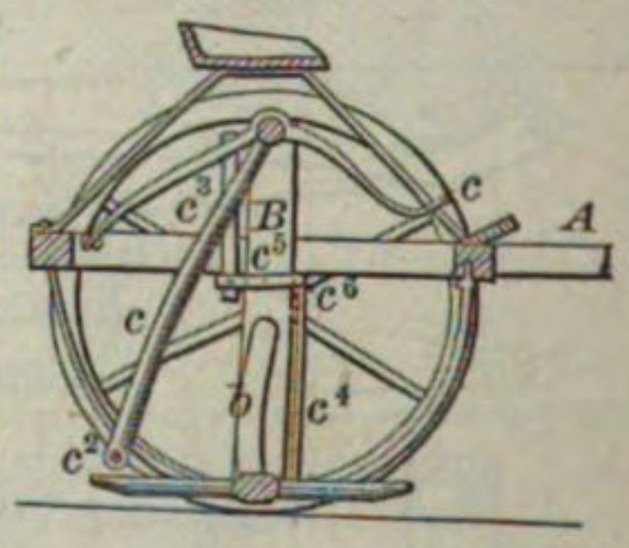


58071—L. M. B. Coleman—*Wagon Shackle.*

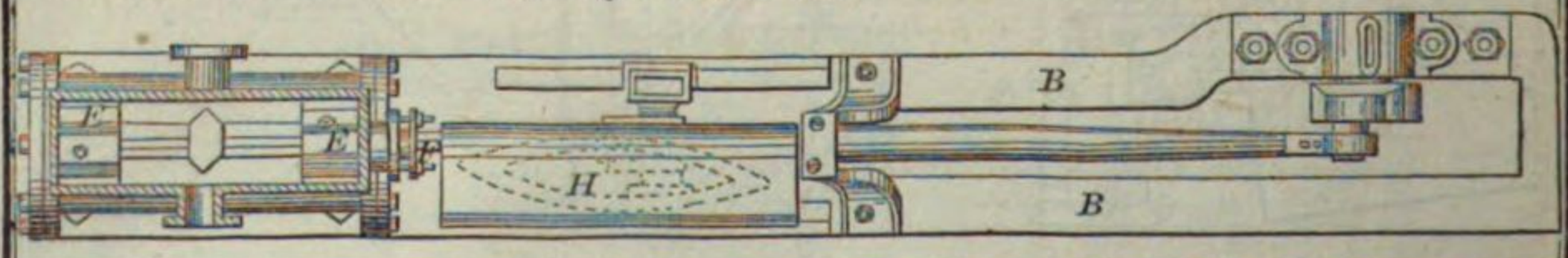


58072—M. M. Coppuck—*Tobacco Pipe.*

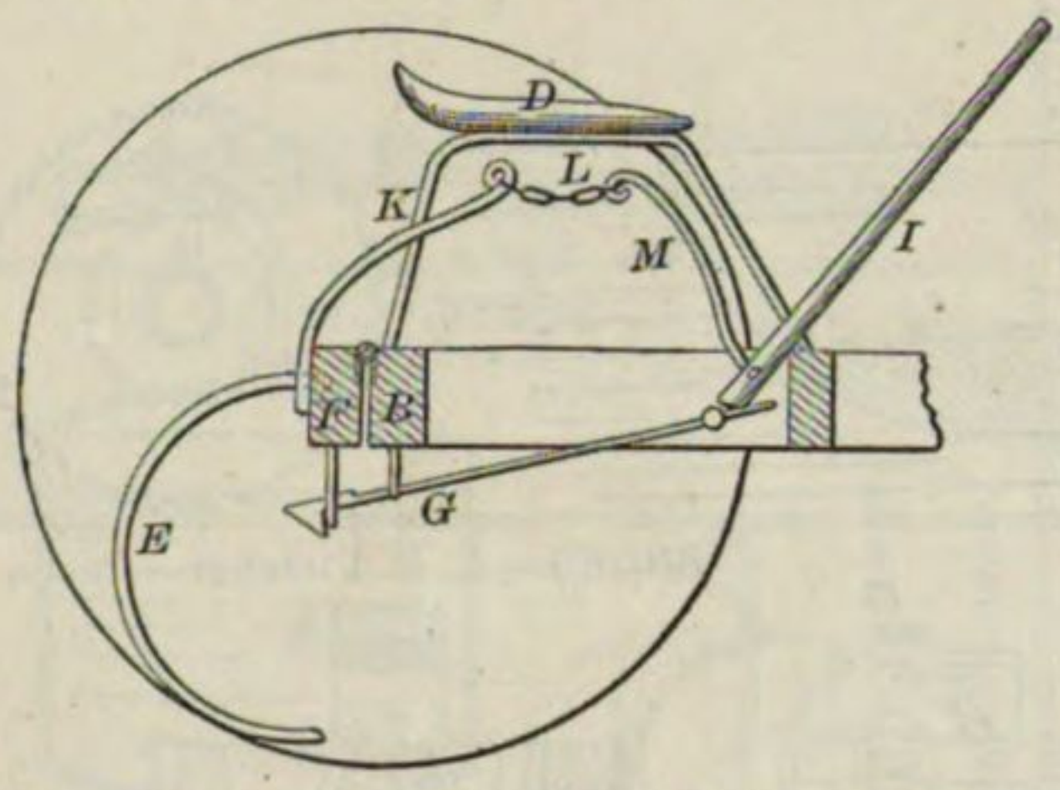
58073—N. C. Decker—*Horse Rake.*



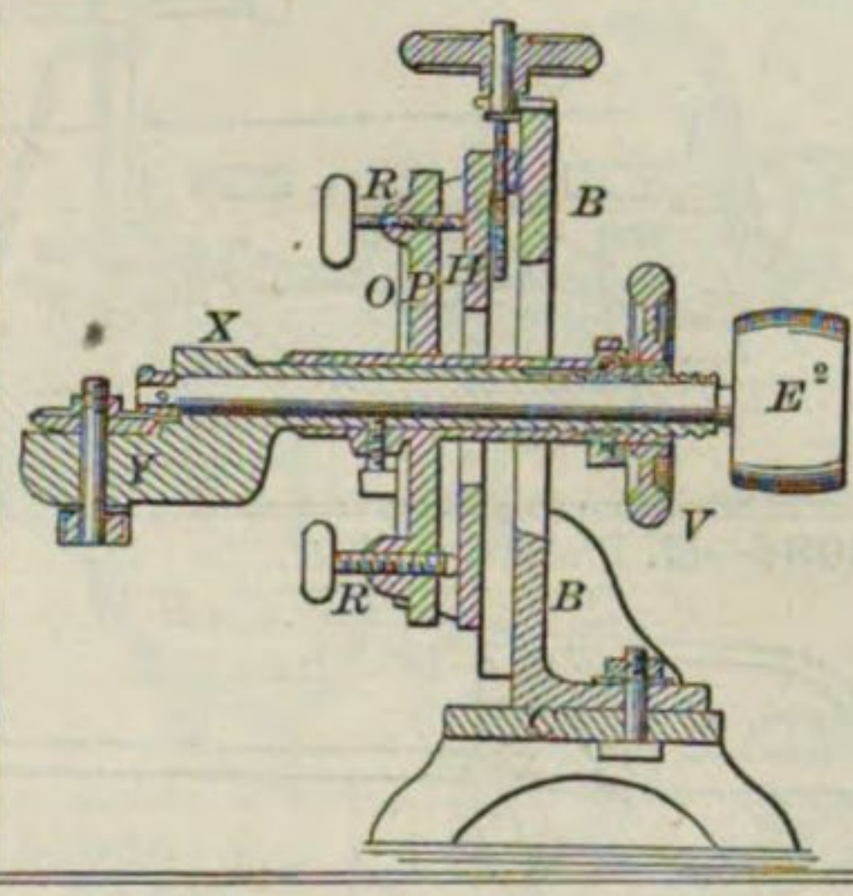
58074—W. Dennison—*Steam Engine Valve Gear.*



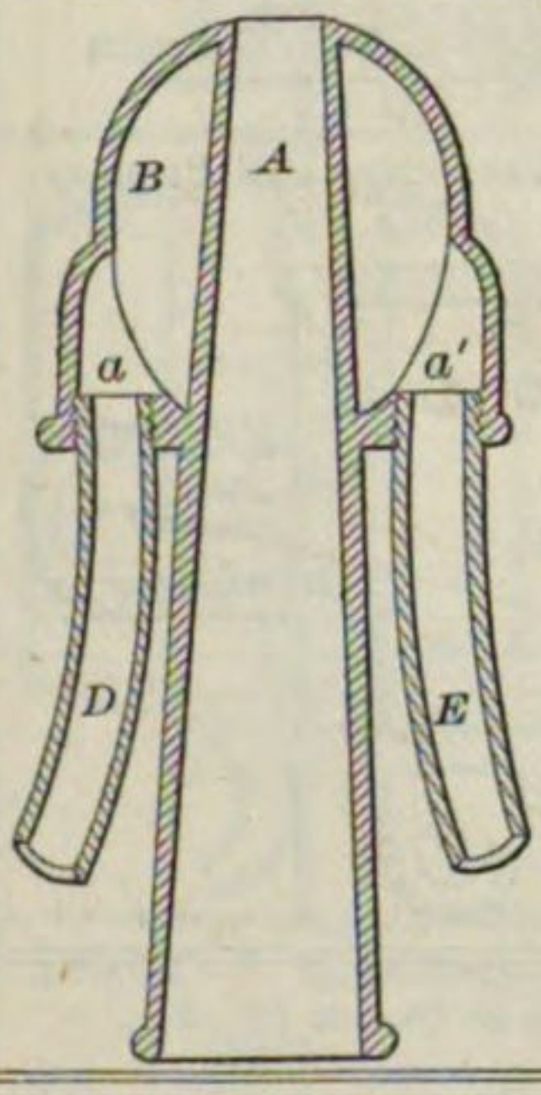
58075—J. Dillier—*Horse Rake.*



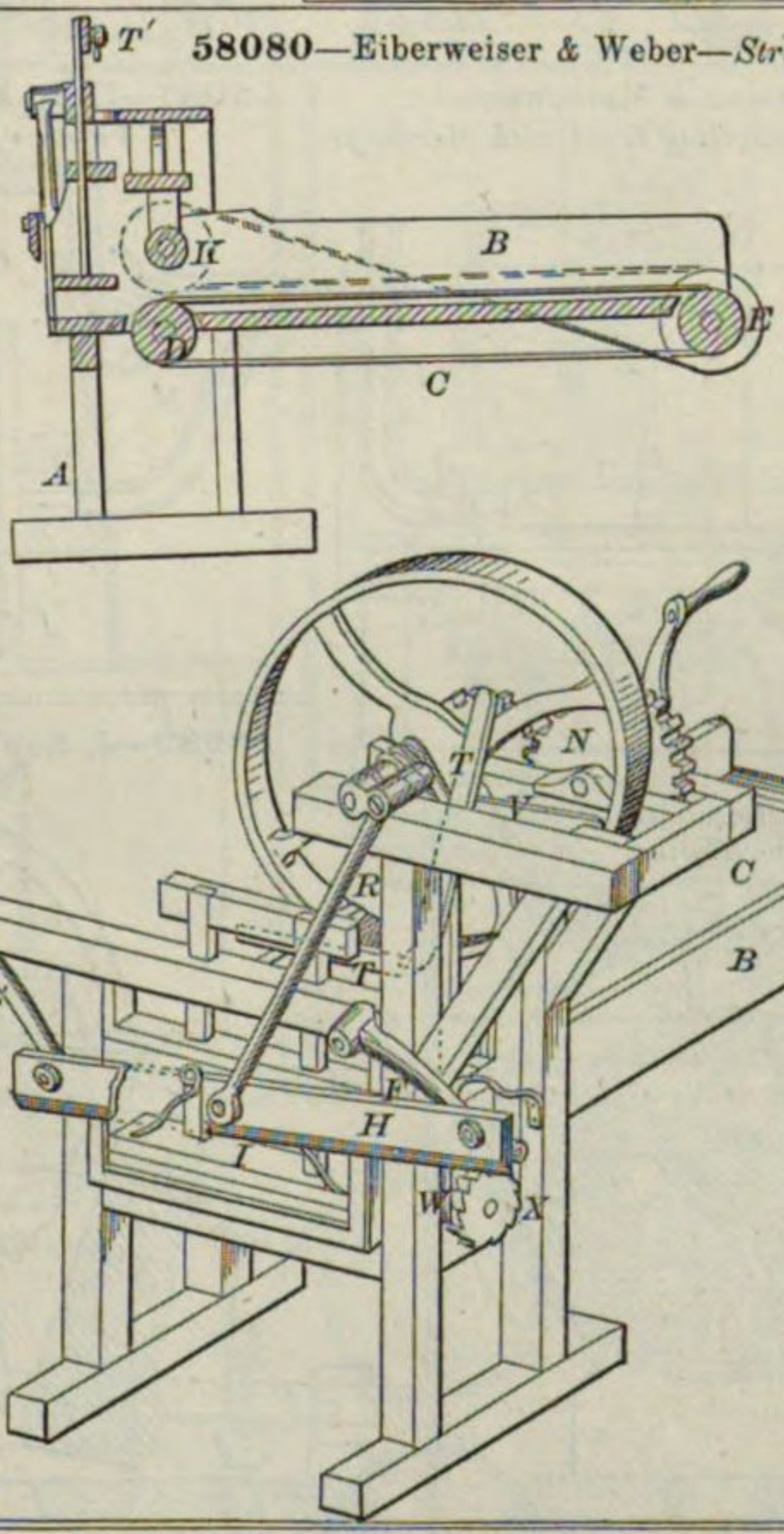
58076—J K. Dirner—*Key Seat Cutter.*



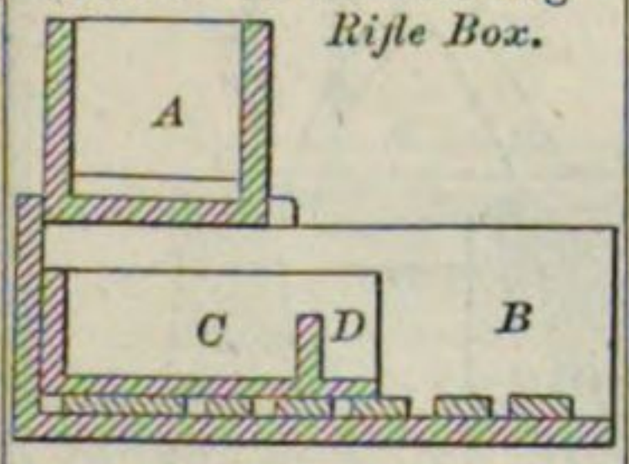
58077—L. A. Dole—*Tuyere.*



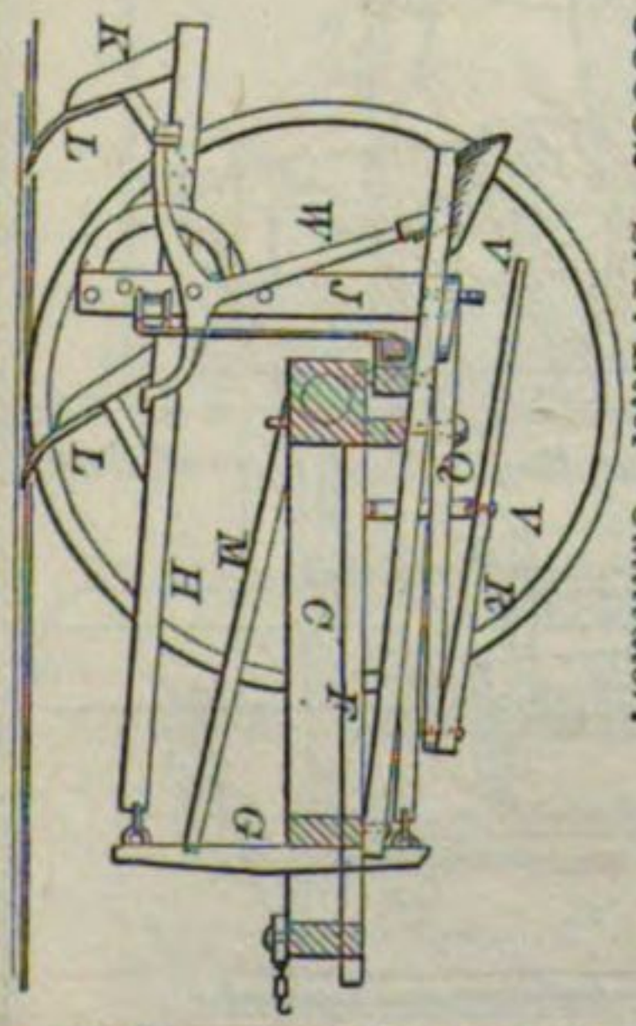
58080—Eiberweiser & Weber—*Straw Cutter.*



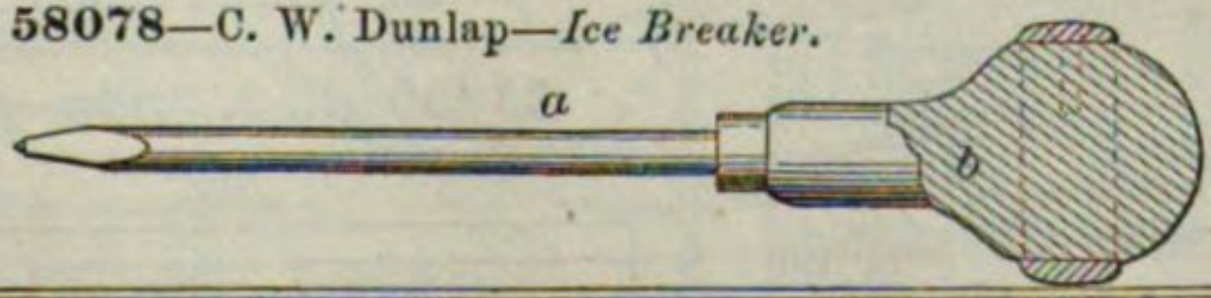
58079—R. H. Dunning—*Rifle Box.*



58082—S. P. Etter—*Cultivator.*

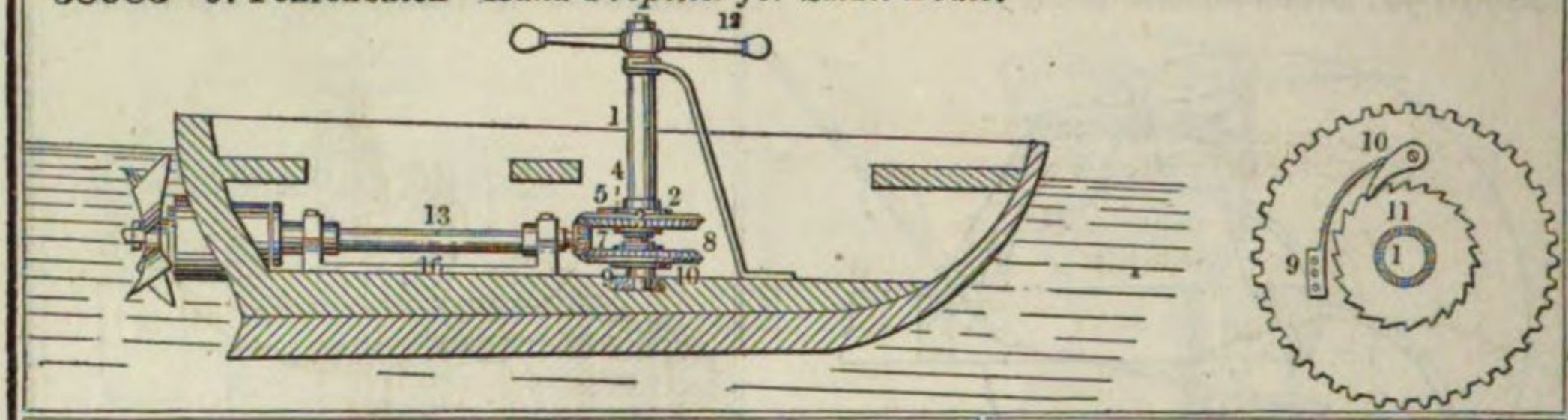


58078—C. W. Dunlap—*Ice Breaker.*

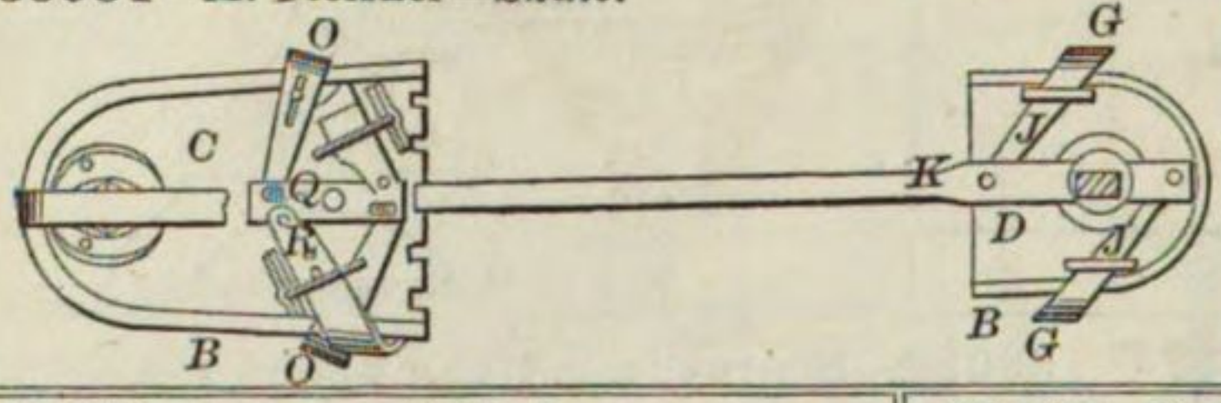


58081—C. Elveena—*Protecting Animals from the Sun.*

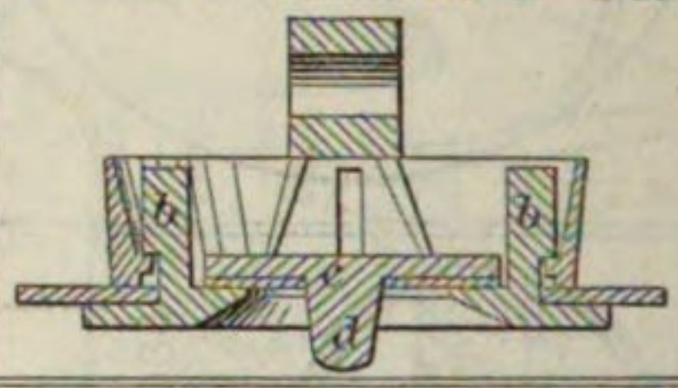
58083—J. Fehrenbatch—*Hand Propeller for Small Boats.*



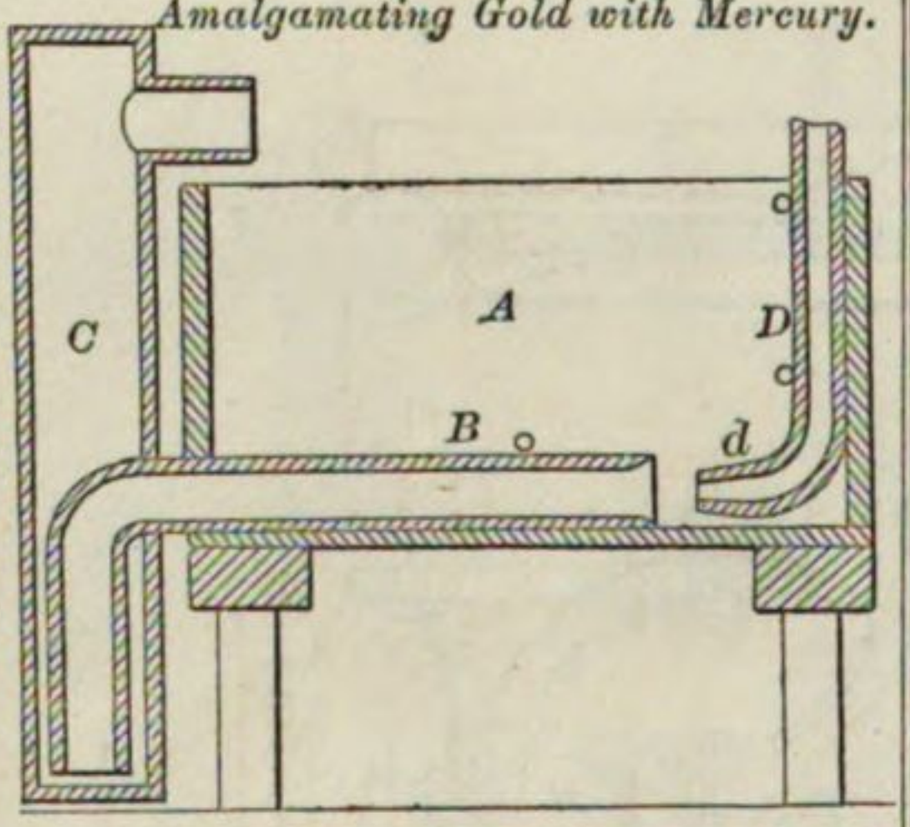
58084—M. Fleisher—*Skate.*



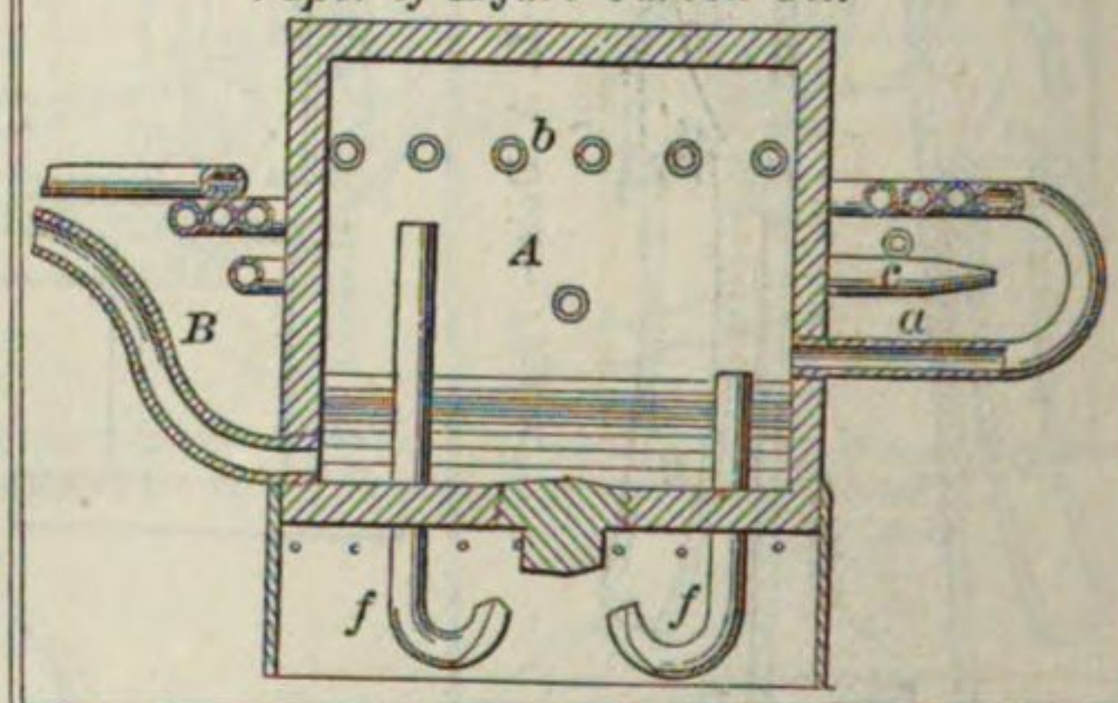
58085—A. F. Fletcher—*Pump.*



58088—Foreman & Mathewson—*Amalgamating Gold with Mercury.*

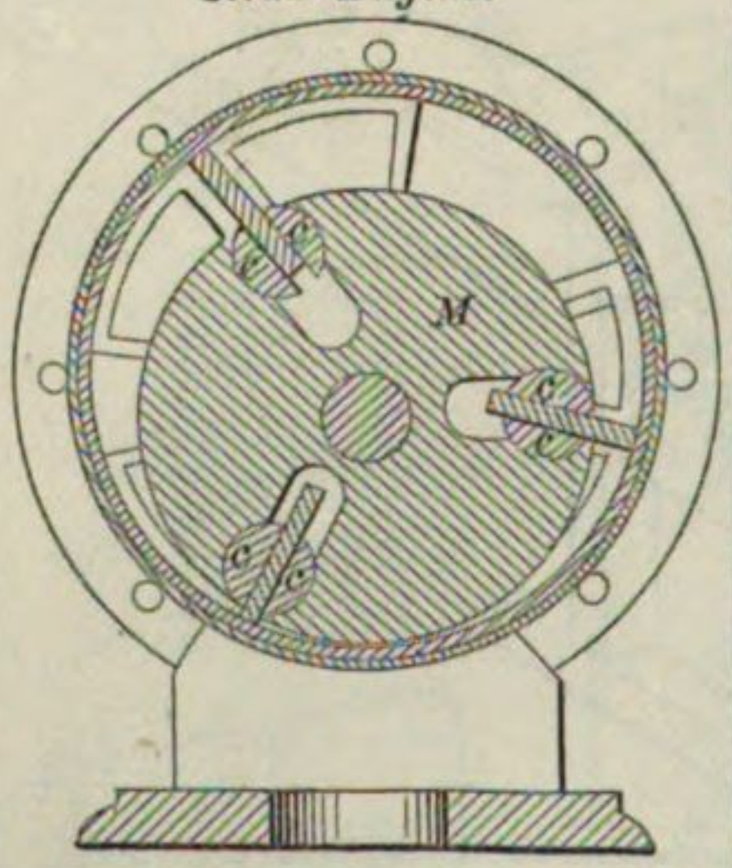


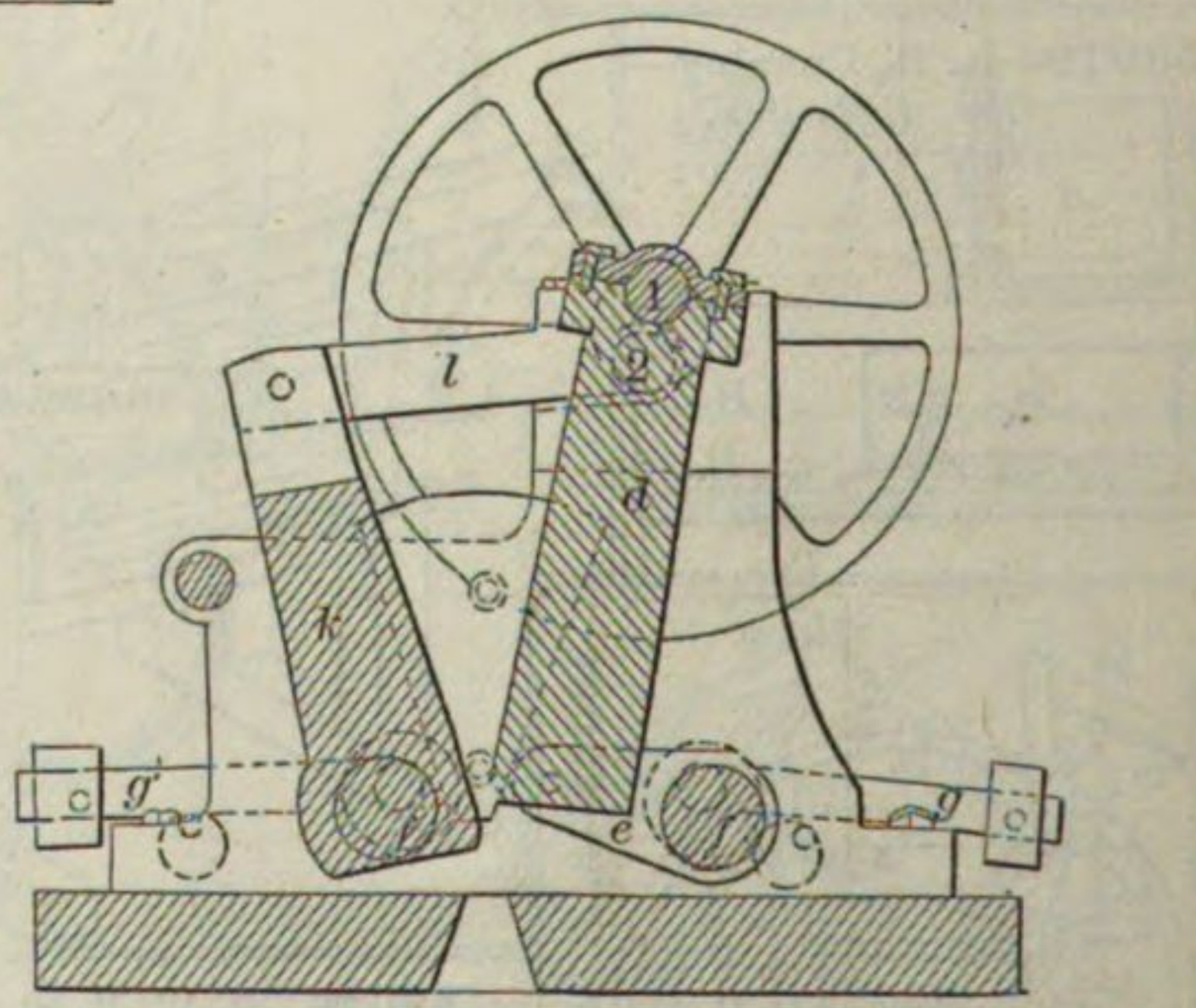
58087—H. R. Foote—*Generating and Burning Vapor of Hydro Carbon Oil.*

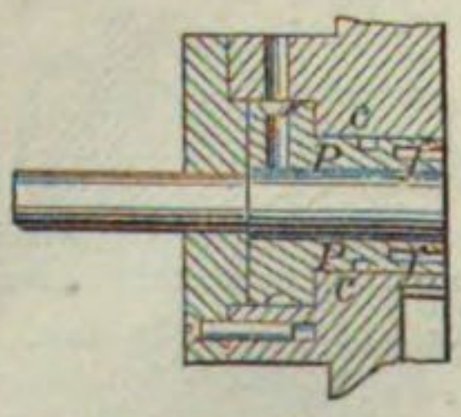


58089—J. Fowler—*Ore or Quartz Crusher.*

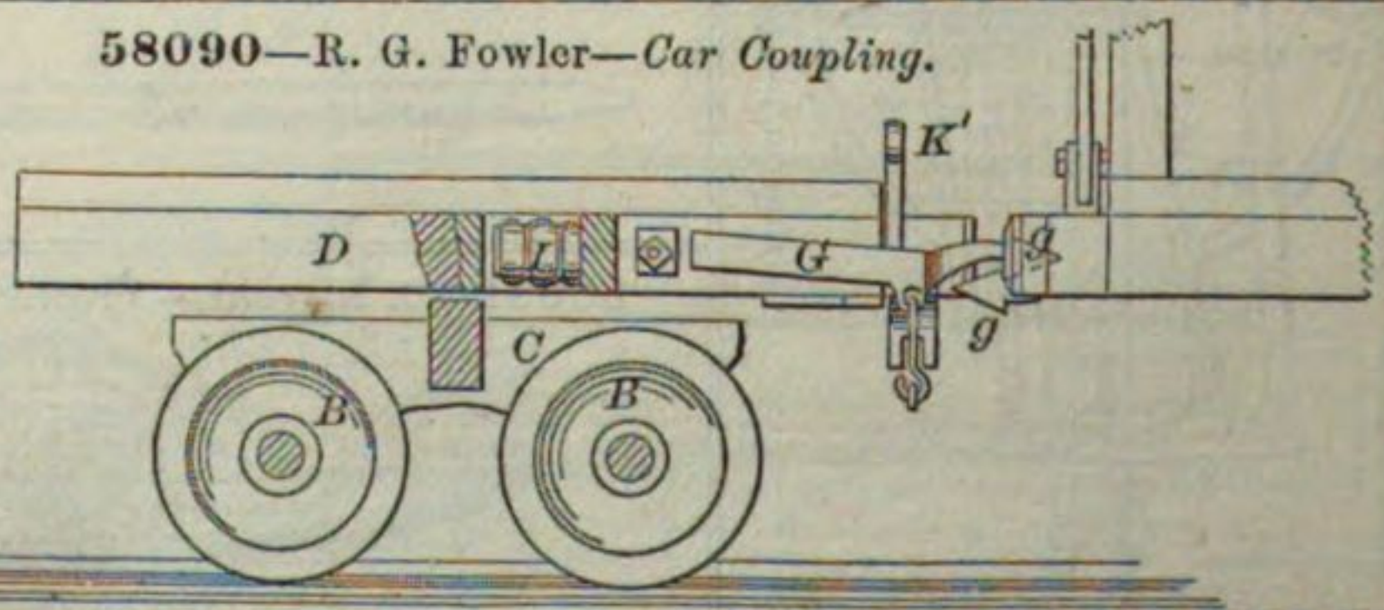
58086—M. Fletcher—*Rotary Steam Engine.*



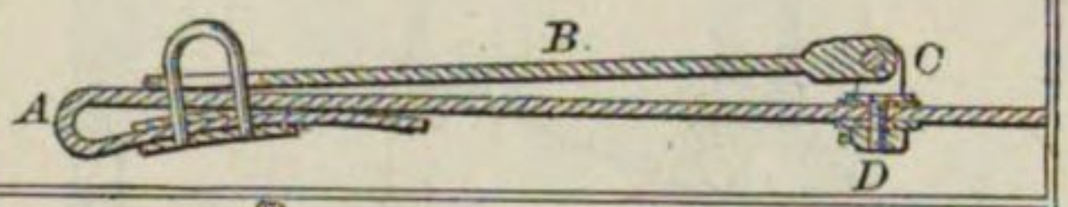




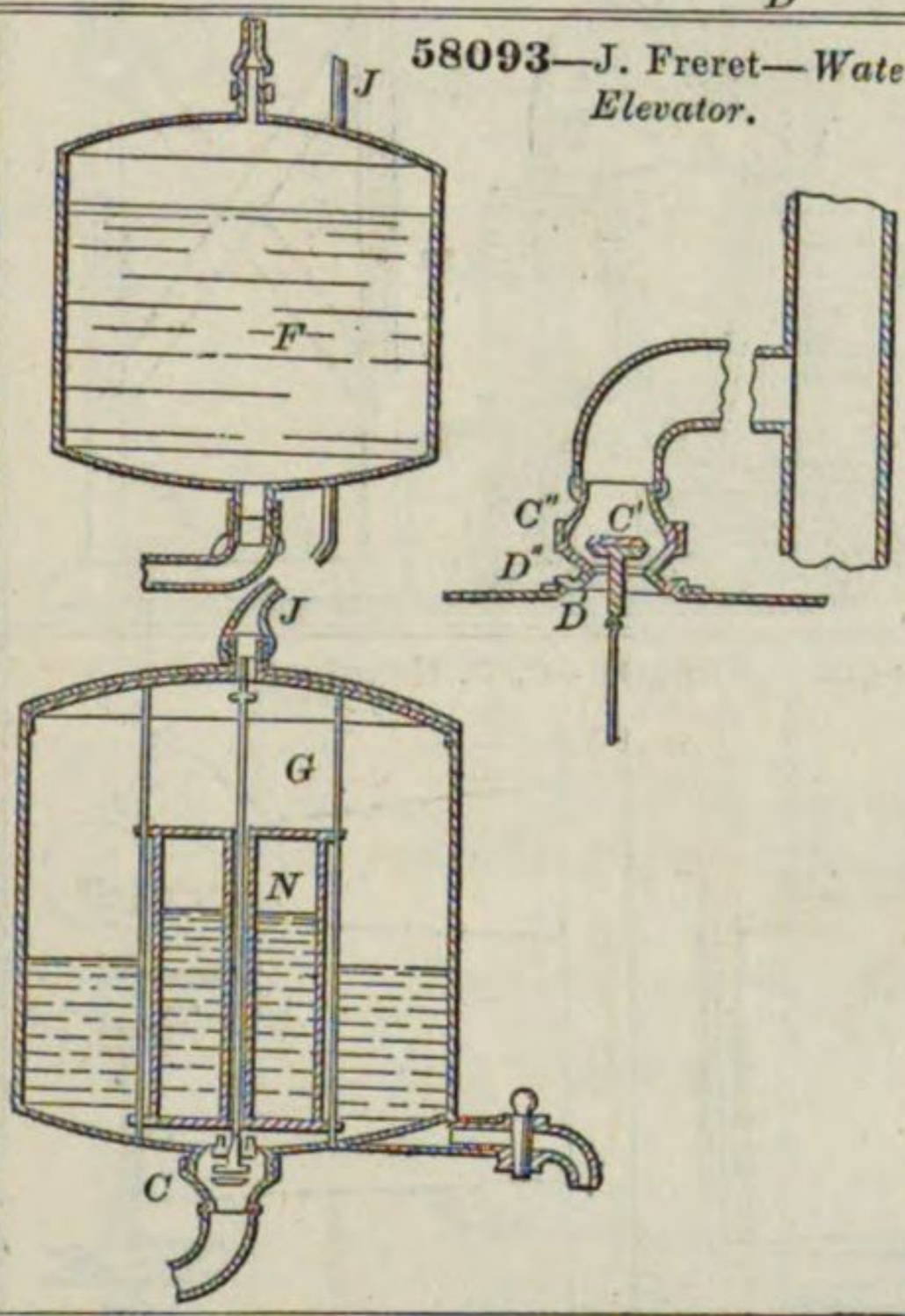
58090—R. G. Fowler—*Car Coupling.*



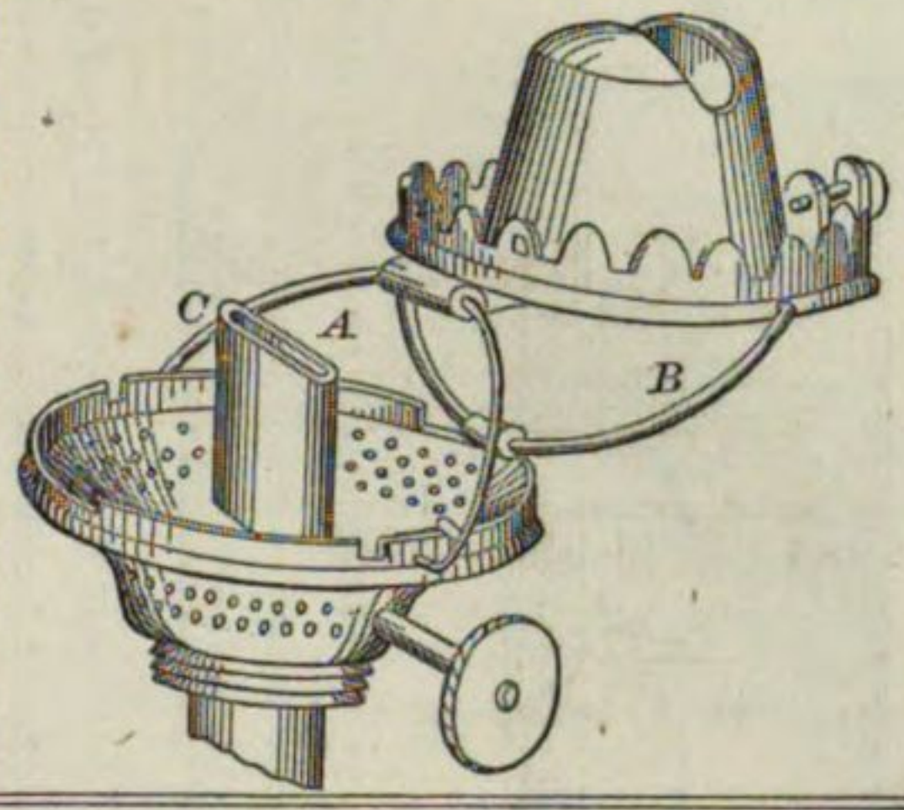
58091—L. Fox—*Mail Bag Clasp.*



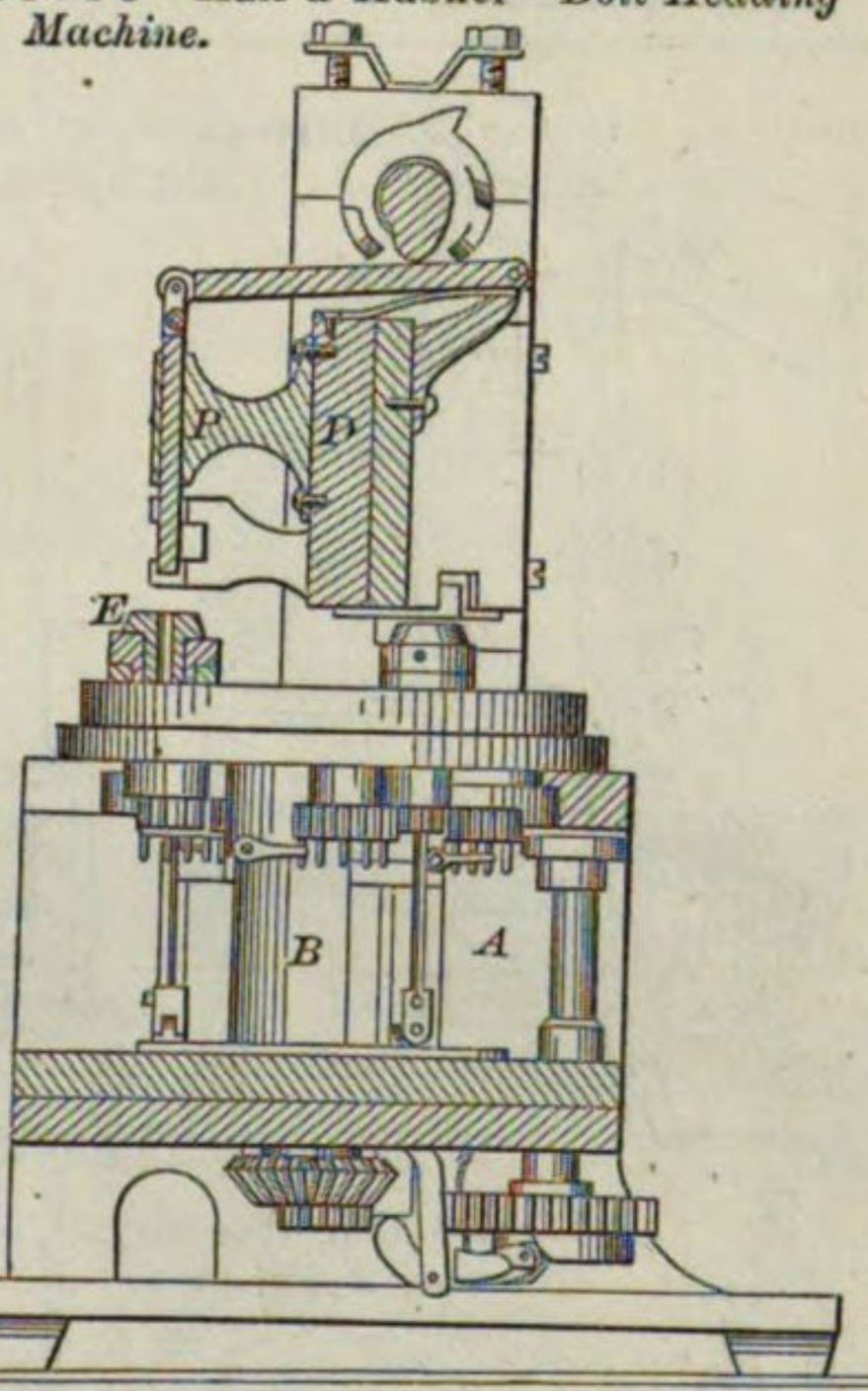
58093—J. Freret—*Water Elevator.*



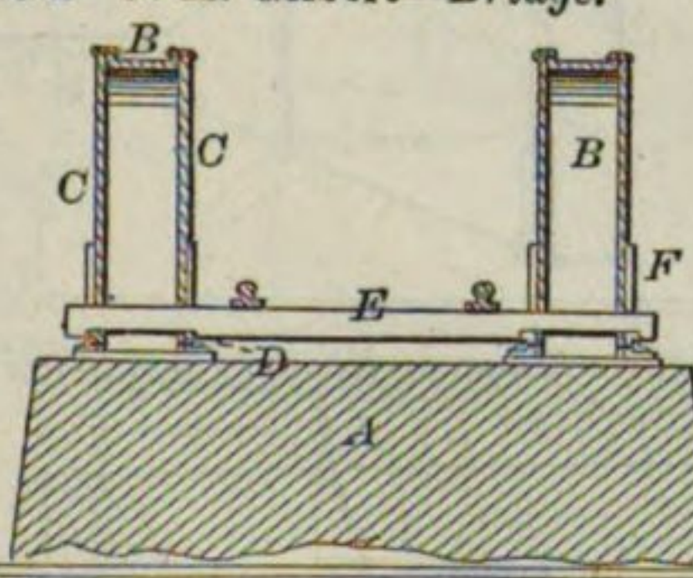
58097—T. Hall—*Lamp Burner.*



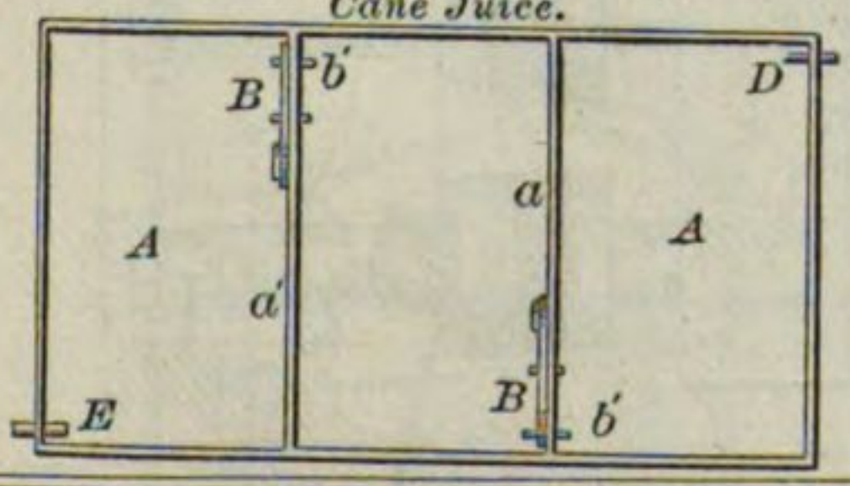
58096—Hall & Hubner—*Bolt Heading Machine.*



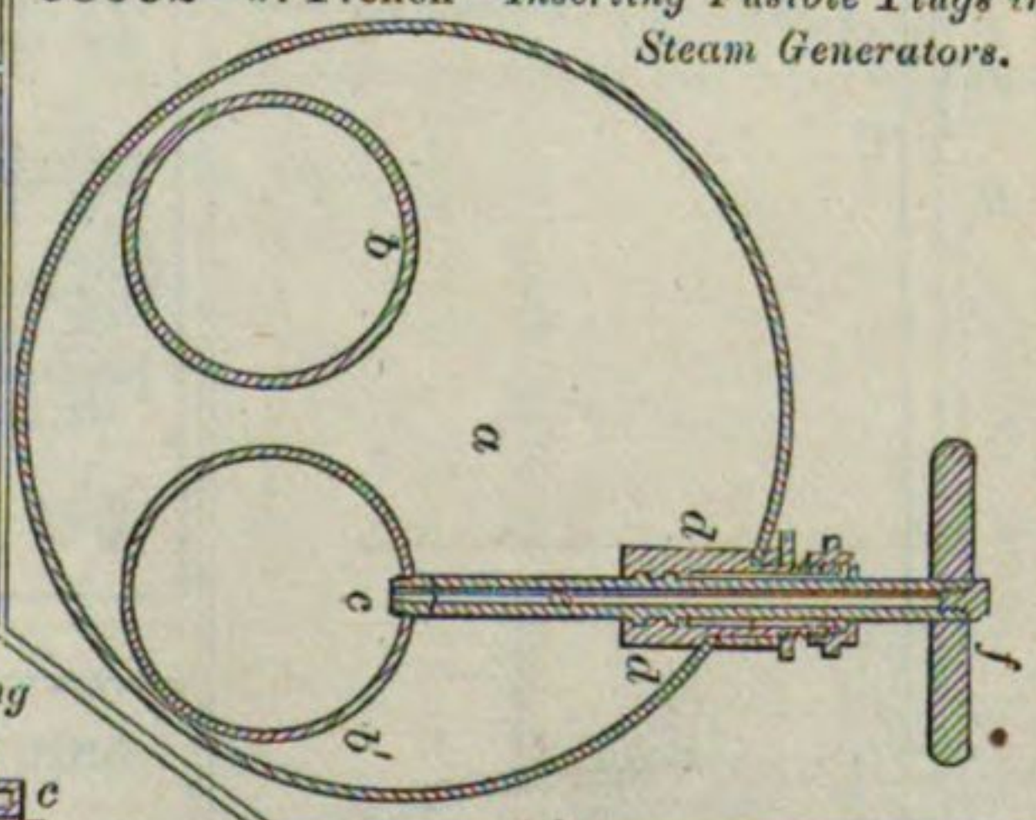
58094—J. H. Gilbert—*Bridge.*



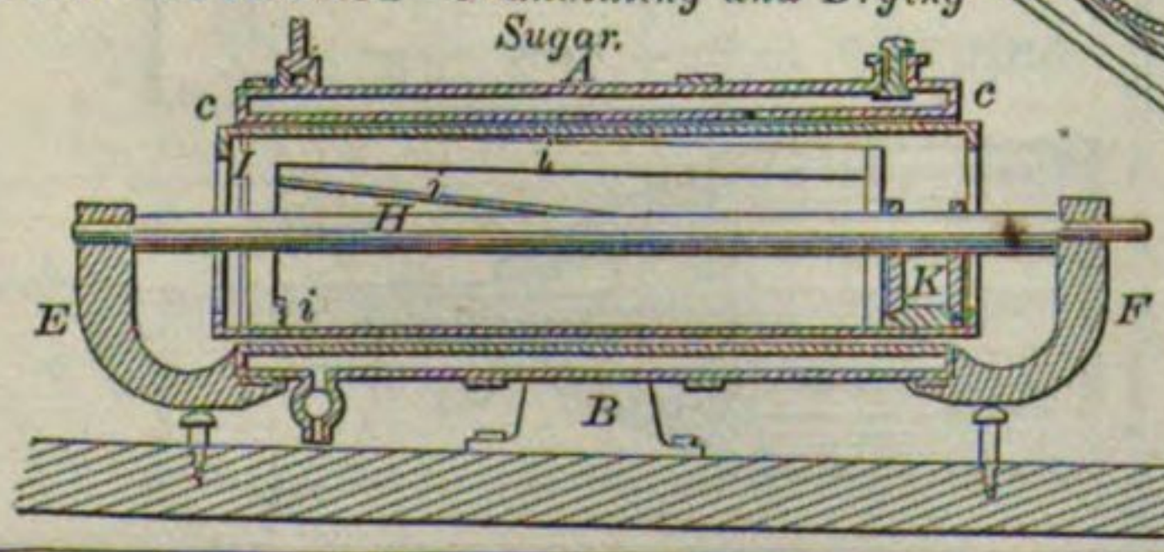
58095—H. Gortner—*Separating Gum from Cane Juice.*

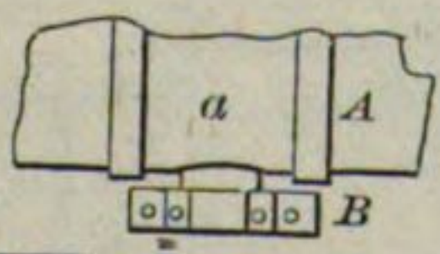


58092—J. French—*Inserting Fusible Plugs in Steam Generators.*

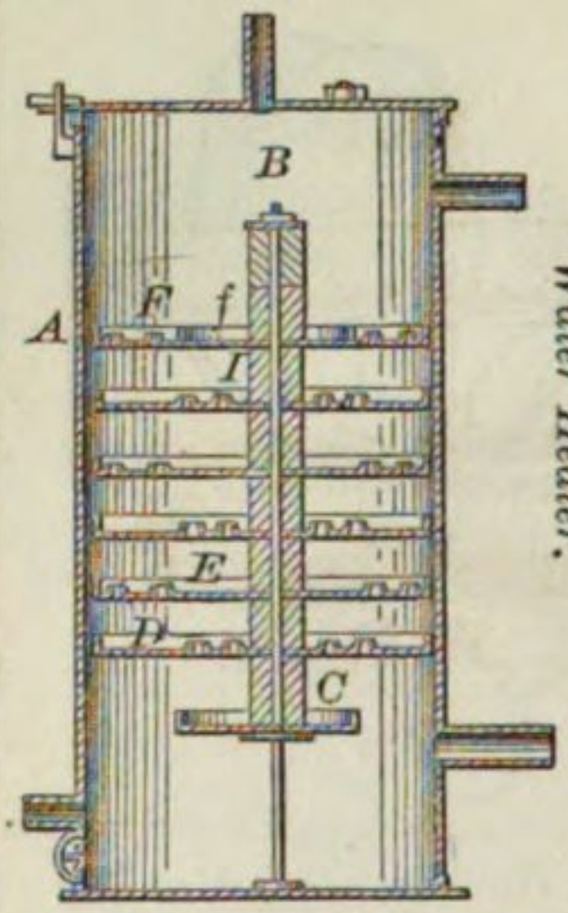


58098—J. Hanford—*Granulating and Drying Sugar.*



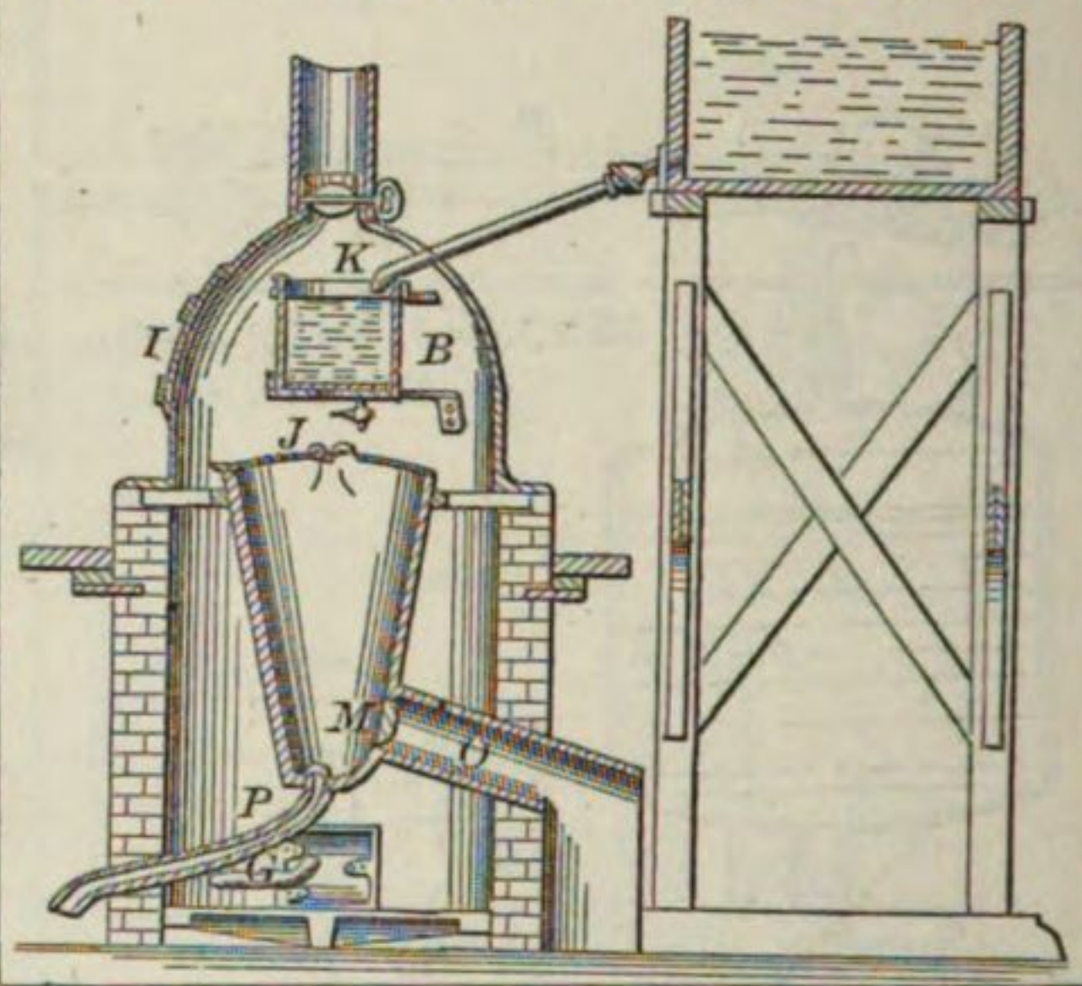


58099—Hasecoster & Stephens—*Feed Water Heater.*

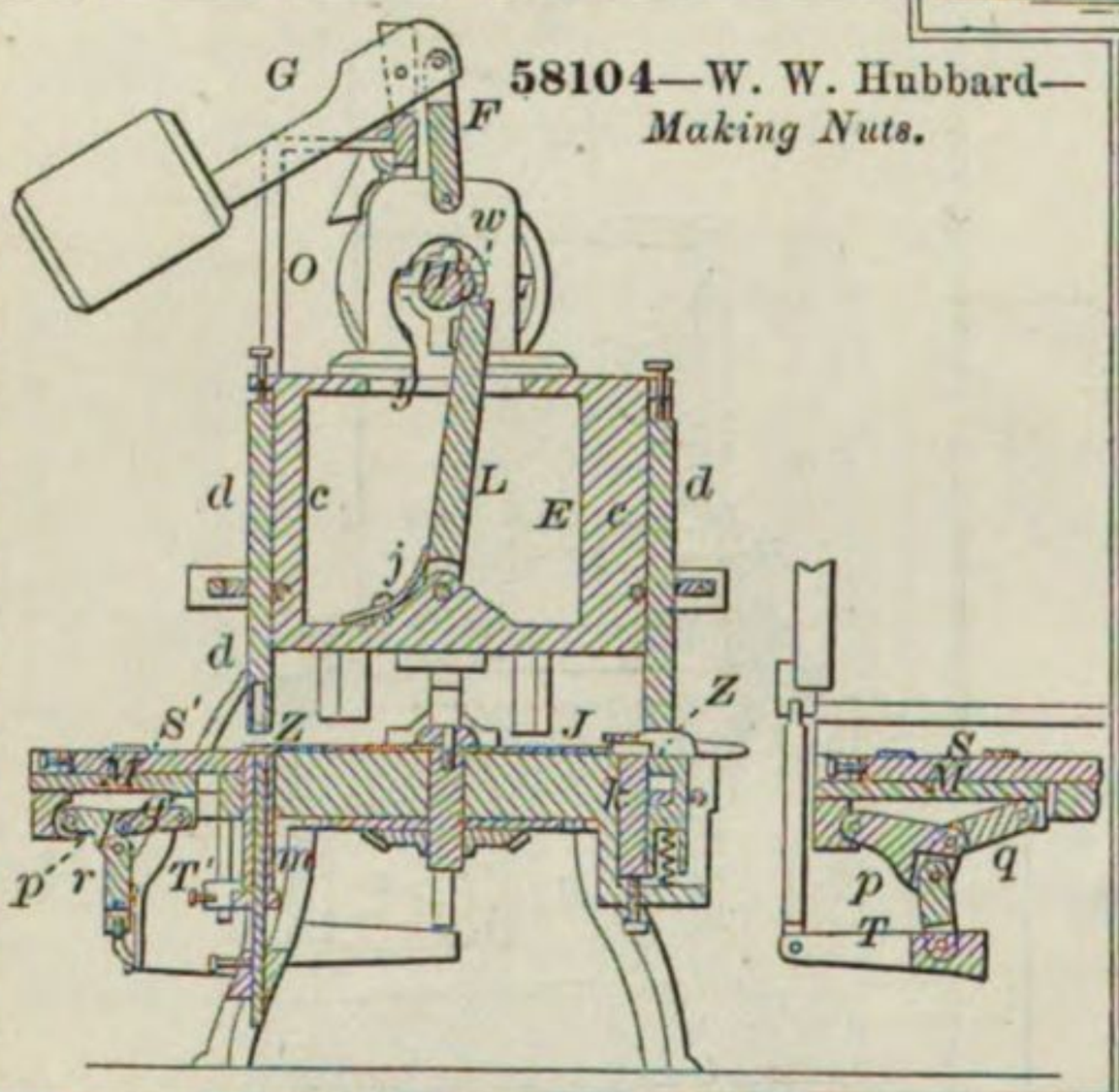


58102—H. W. Holly—*Pencil Holder.*

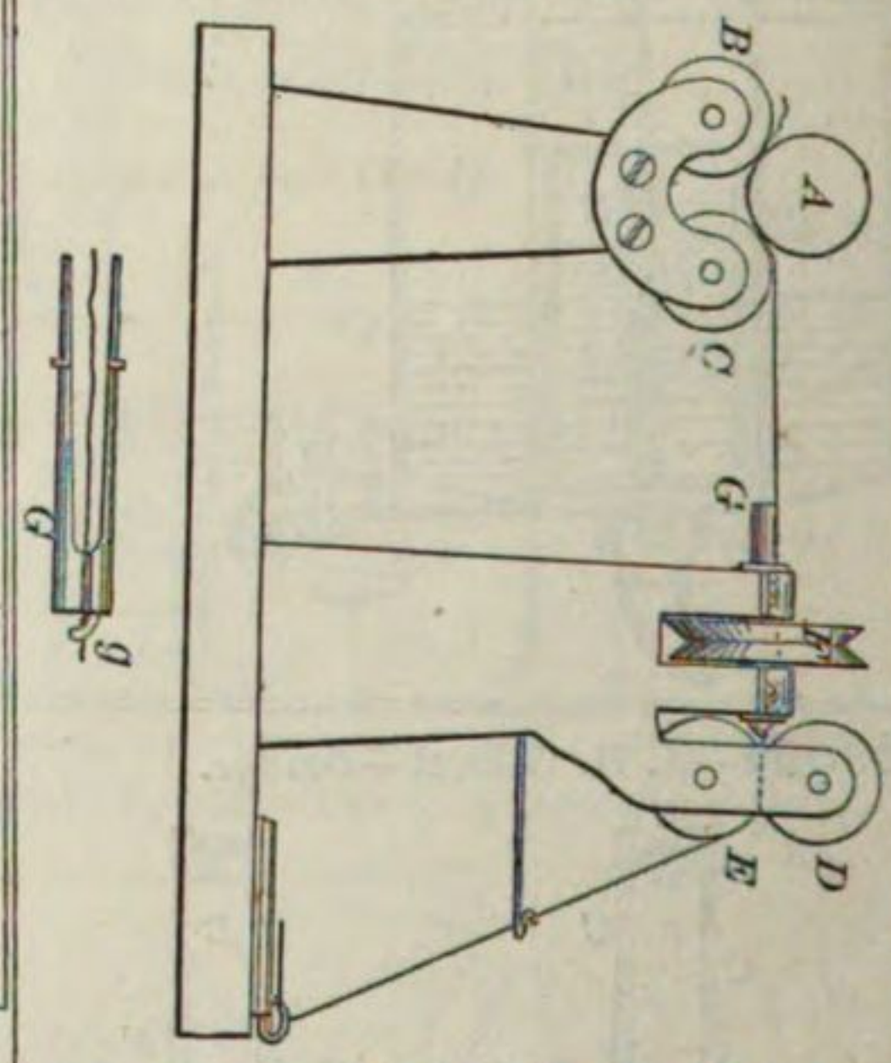
58100—J. A. Hitchings—*Desulphurizing Ore.*



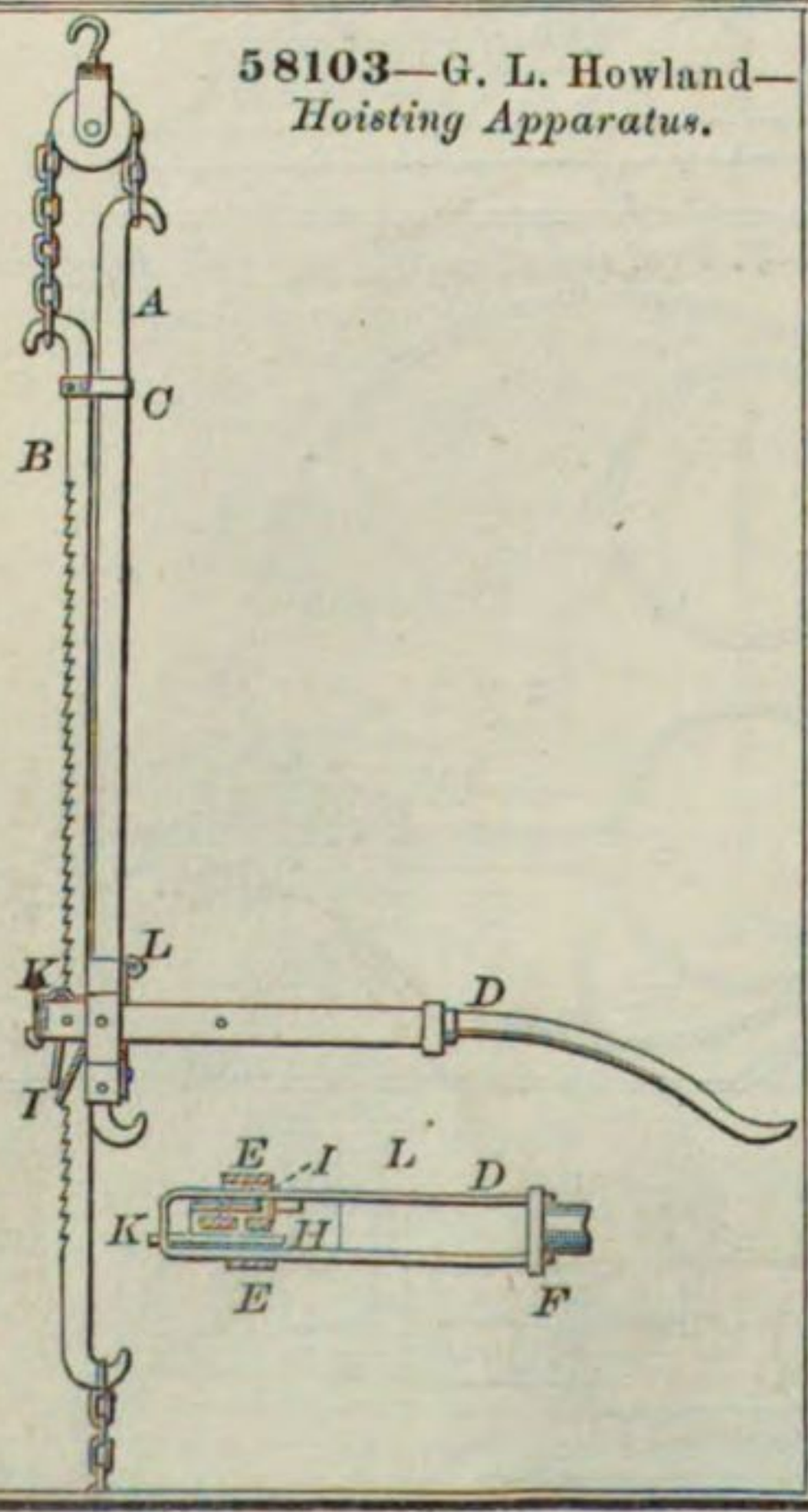
58104—W. W. Hubbard—*Making Nuts.*



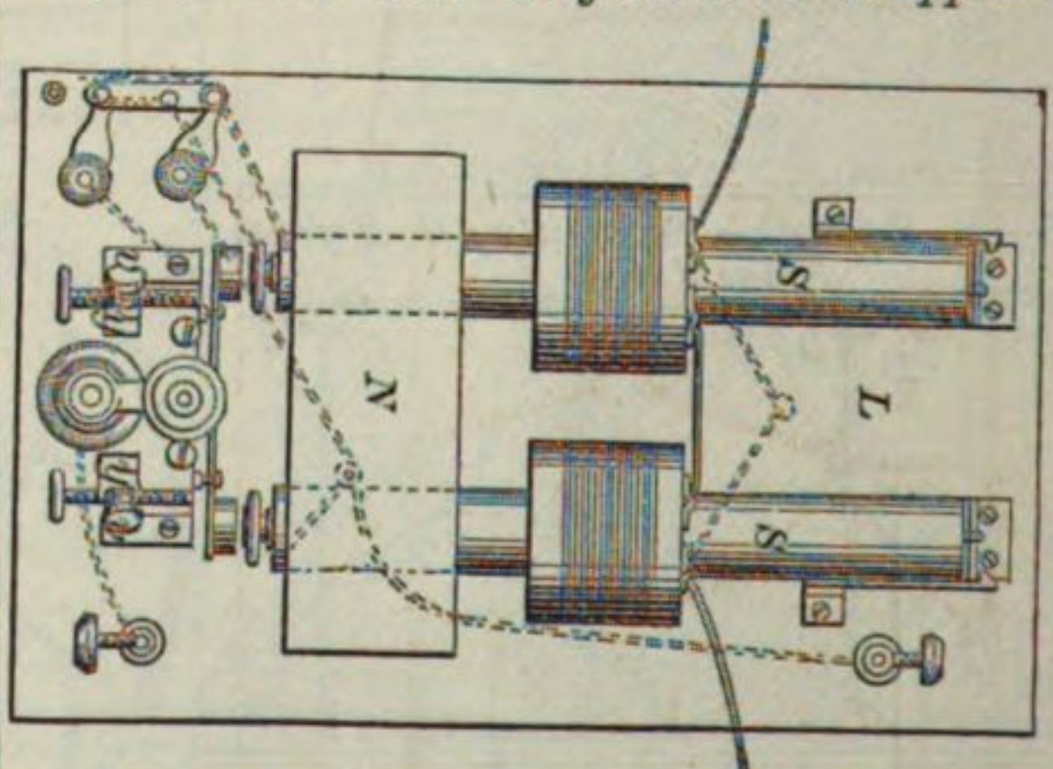
58101—C. B. Hoard—*Spinner.*



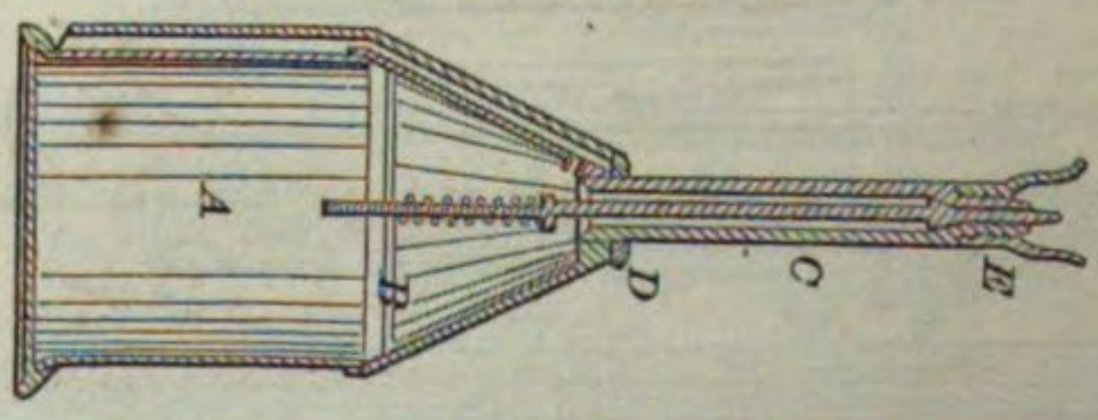
58103—G. L. Howland—*Hoisting Apparatus.*



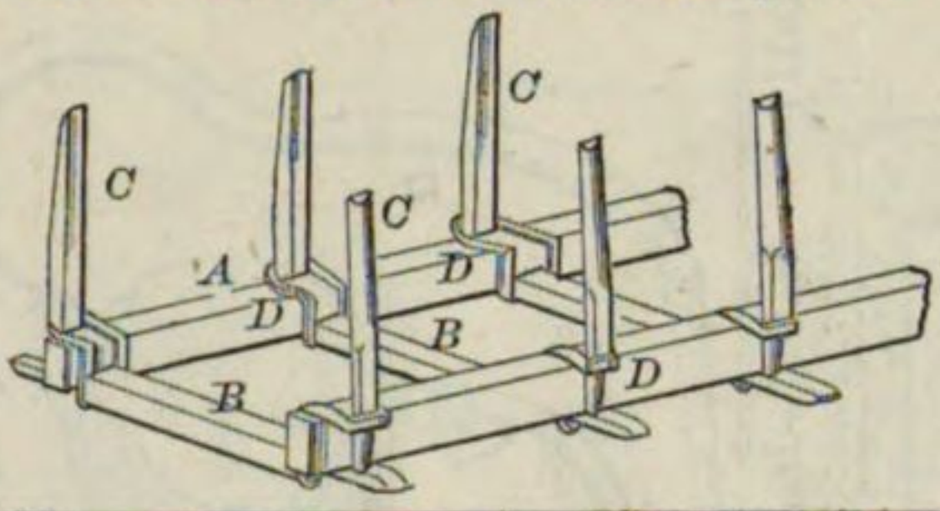
58105—J. Kidder—*Magneto-Electric Apparatus.*



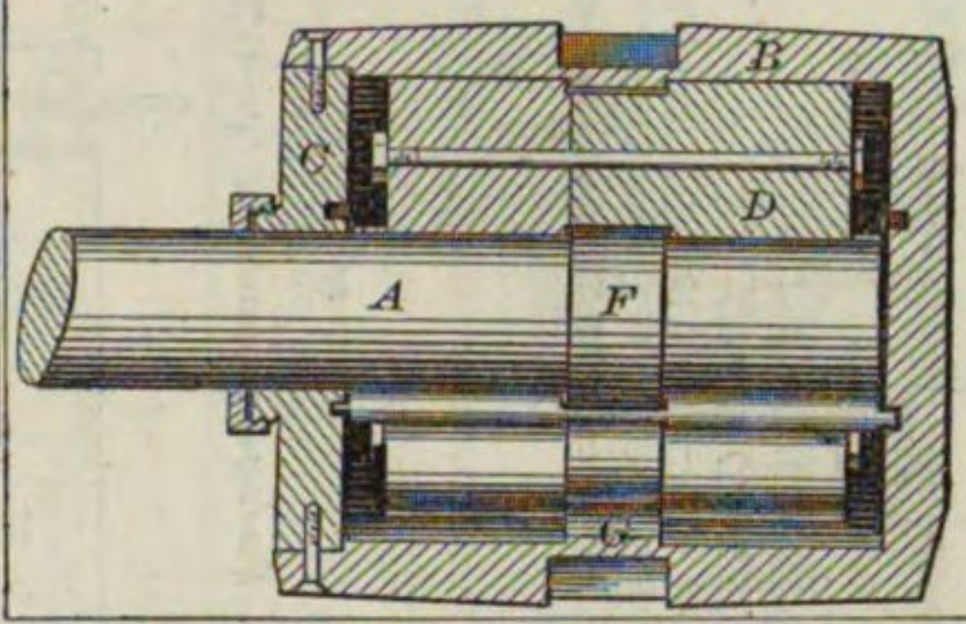
58107—P. Laflin—*Oiler.*



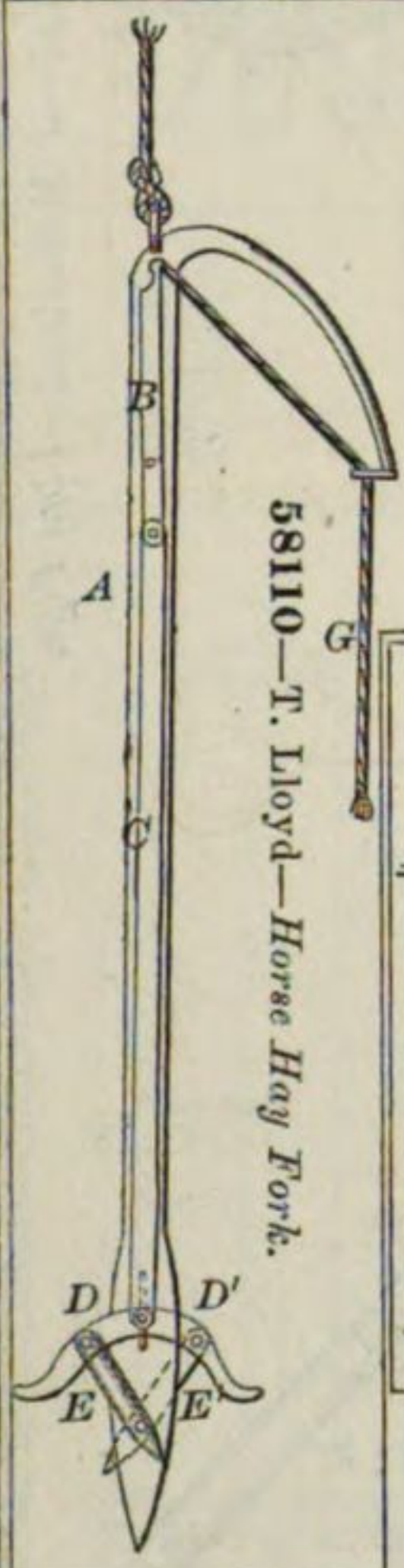
58108—A. Landis—*Wood Hauling Rack.*



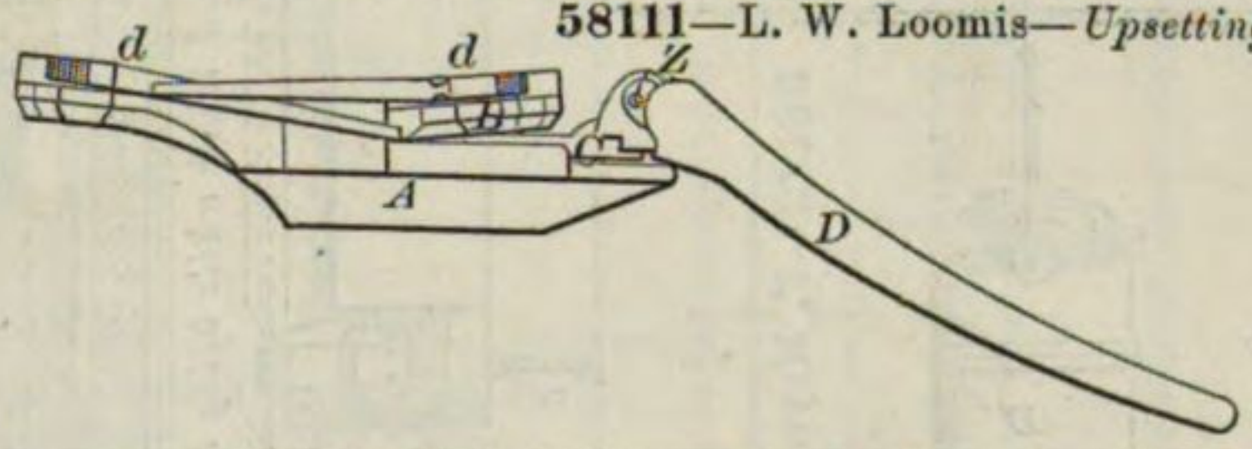
58109—H. M. Le Duc—*Anti-Friction Journal Box.*



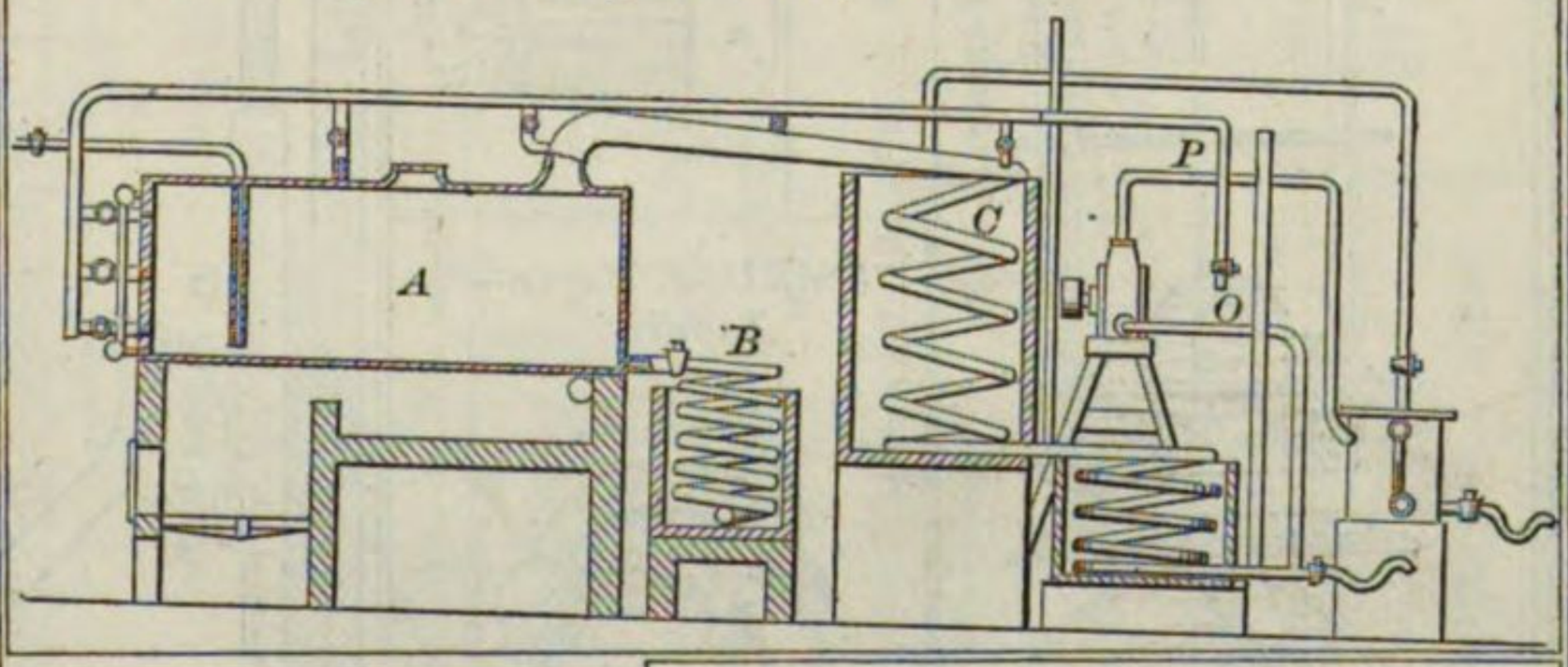
58110—T. Lloyd—*Horse Hay Fork.*



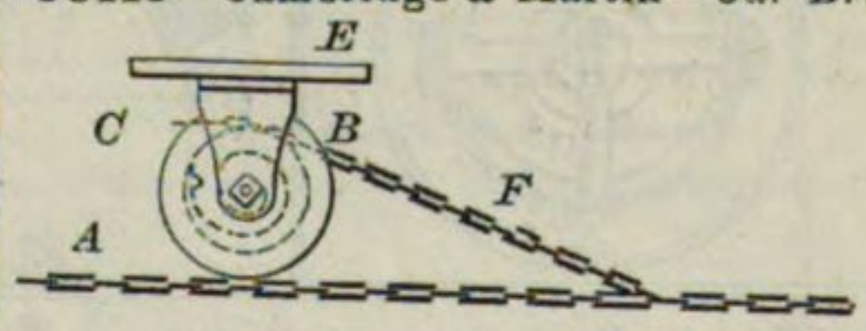
58111—L. W. Loomis—*Upsetting Tires.*



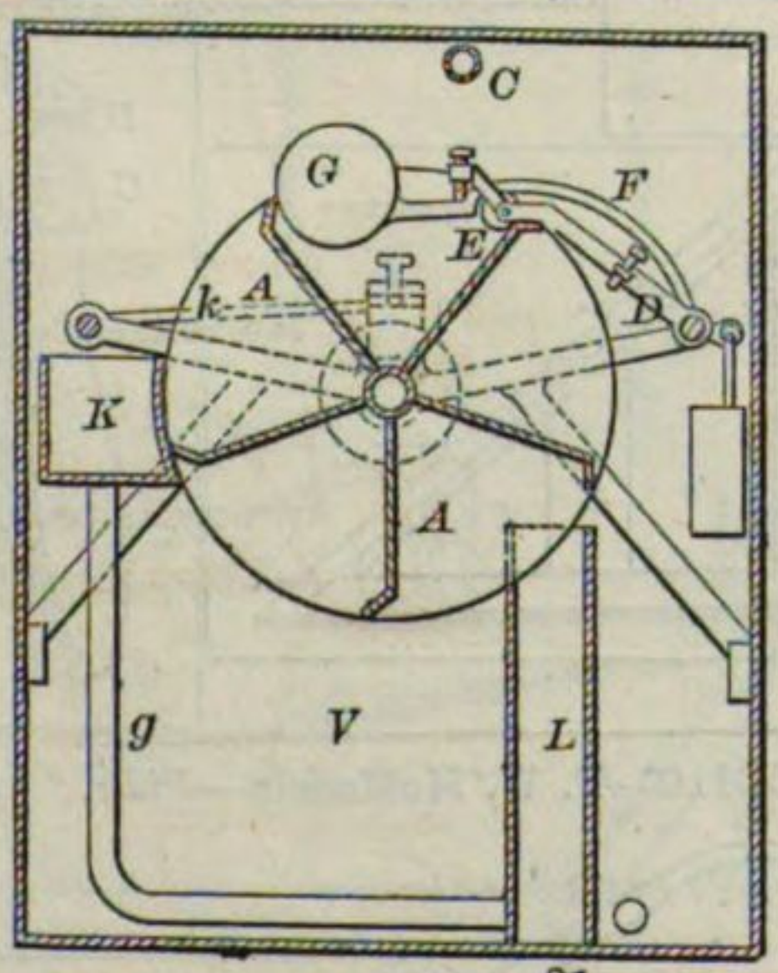
58113—O. Lugo—*Distilling Petroleum, &c.*



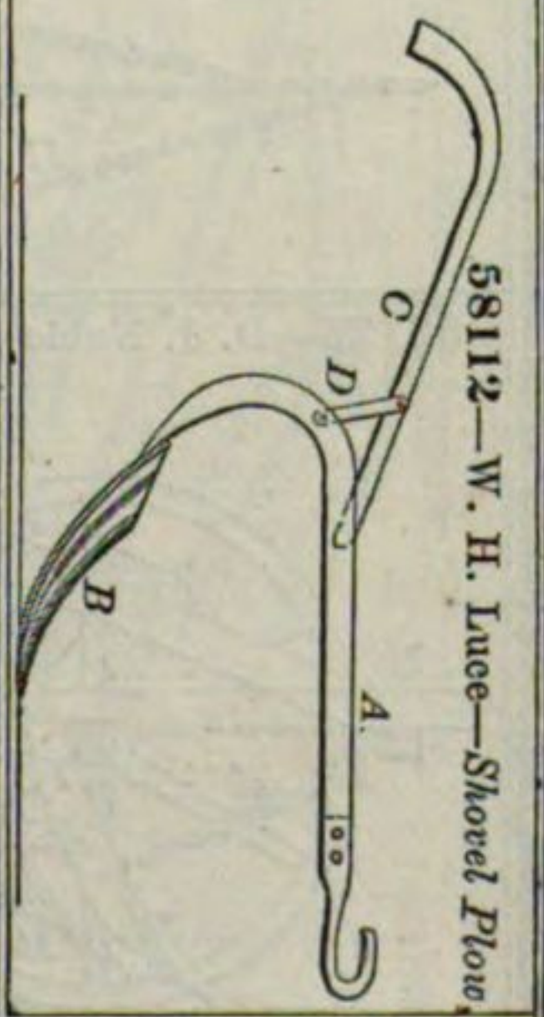
58115—Cambridge & Martin—*Car Brake.*



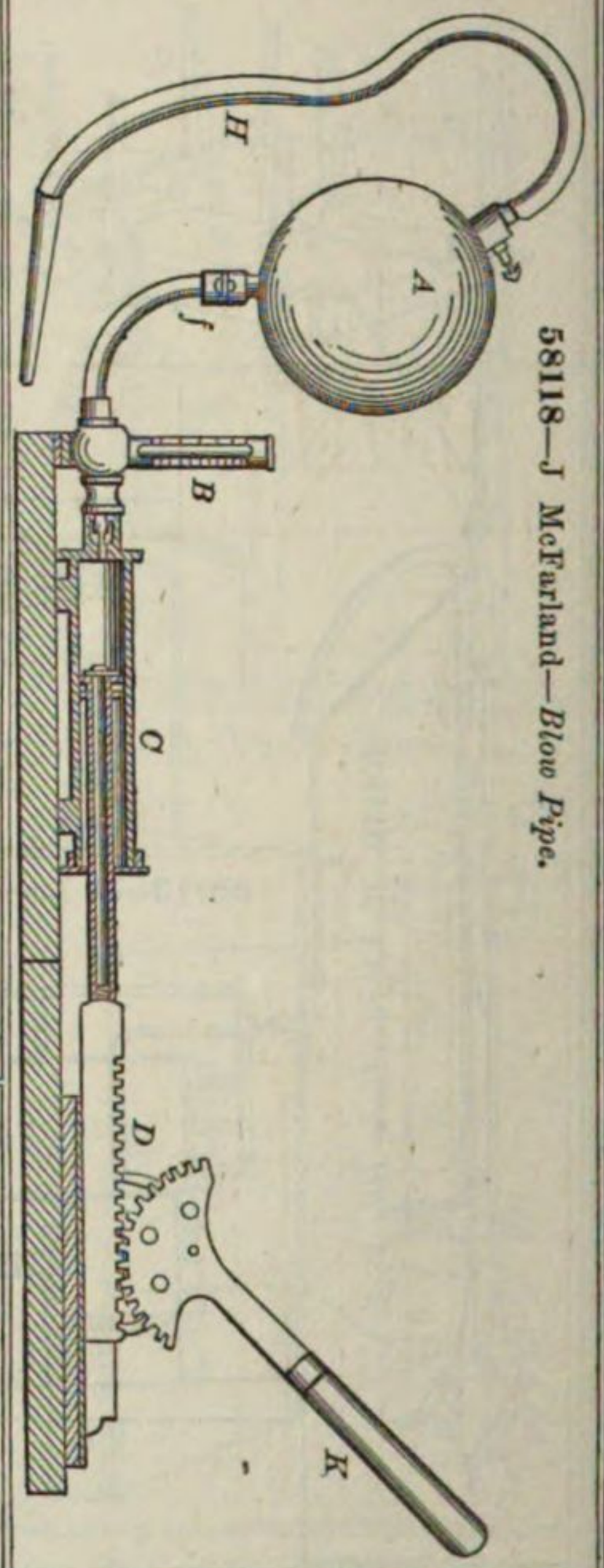
58114—W. Magrowitz—*Spirit Meter.*



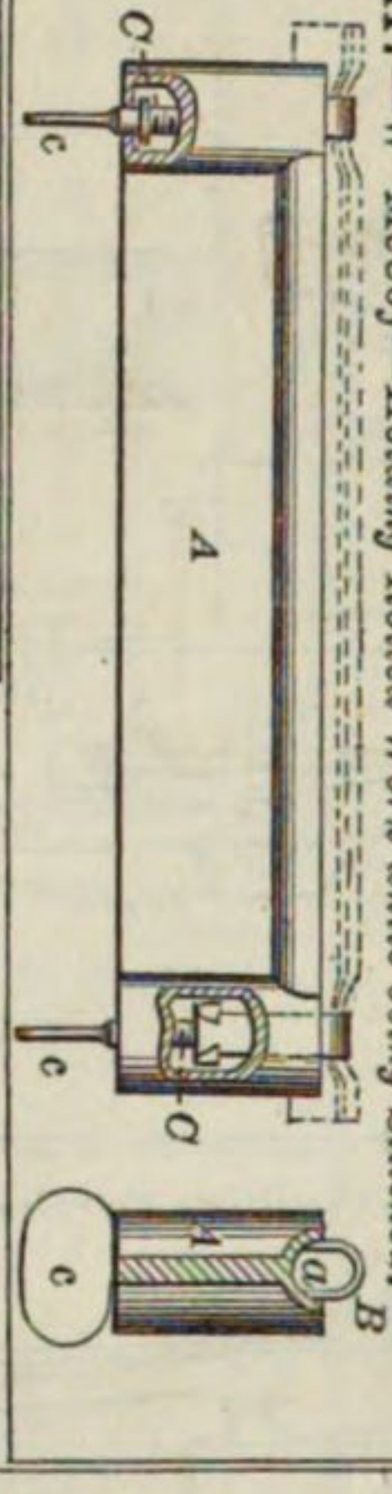
58112—W. H. Luce—*Shovel Plow.*



58118—J. McFarland—*Blow Pipe.*



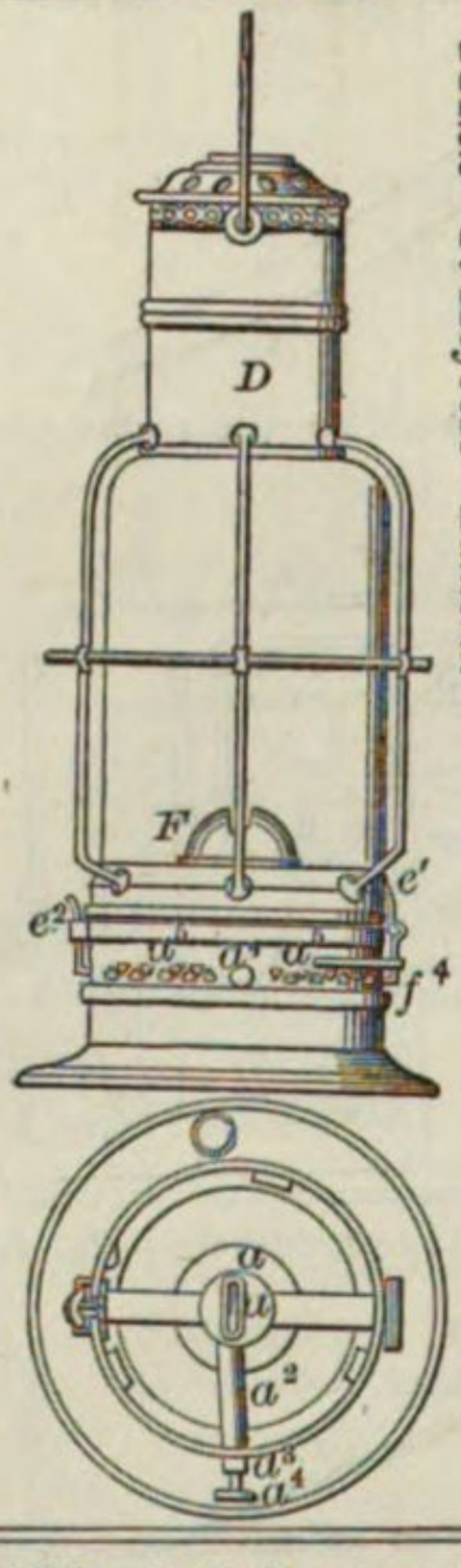
58117—W. McCoy—*Holding Rolled Work while being Stitched.*



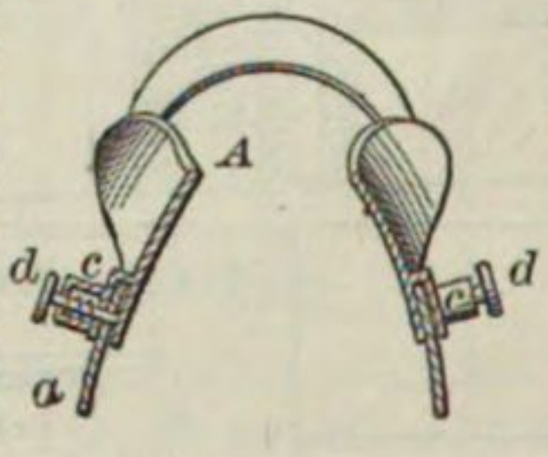
58120—J. Metzendorf—*Safety Pocket Attachment.*

58116—E. P. McCarthy—*Ore or Quartz Crusher.*

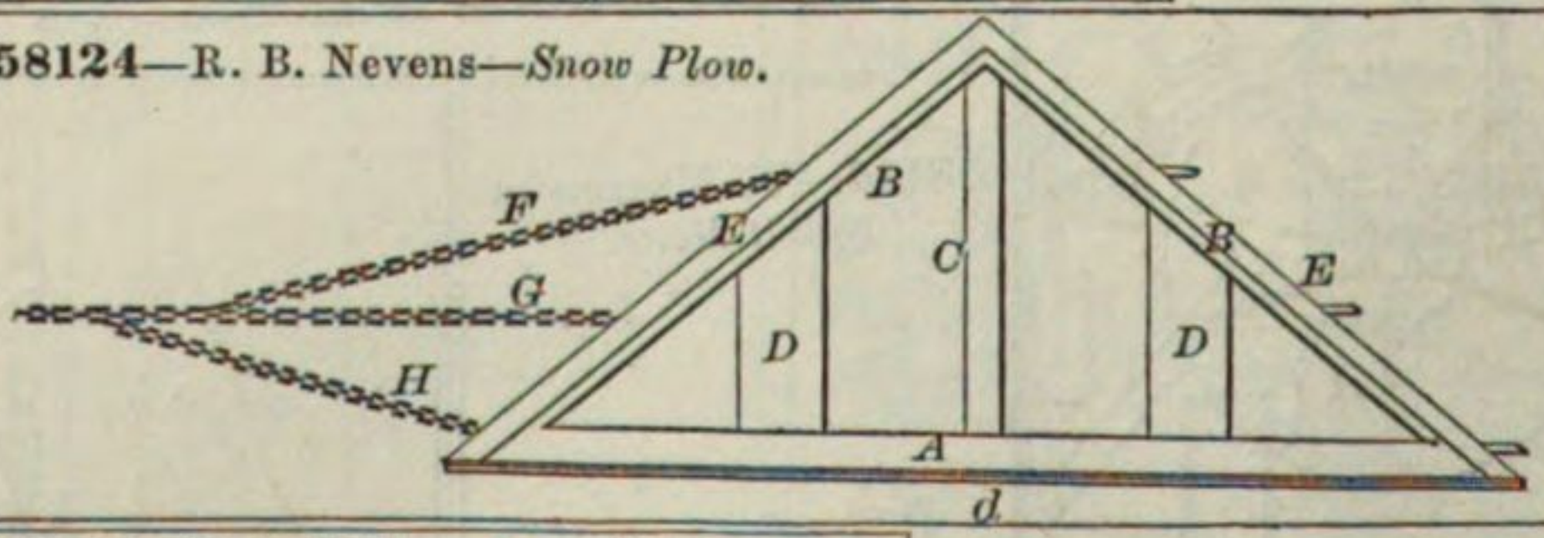
58122—F. Meyrose—*Lantern.*



58121—J. Meyer—*Saddle.*

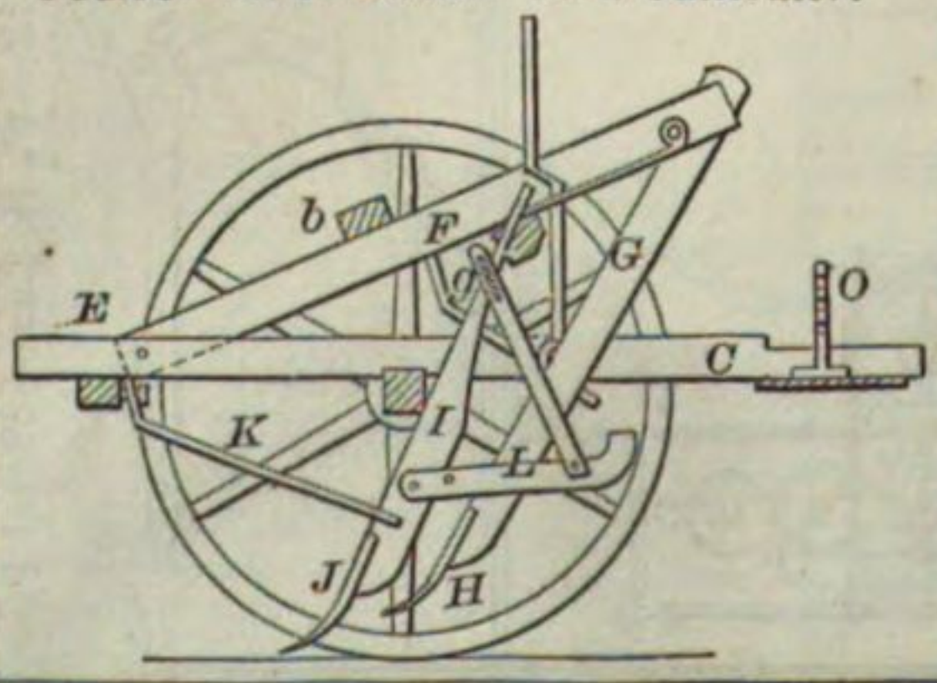


58124—R. B. Nevens—*Snow Plow.*

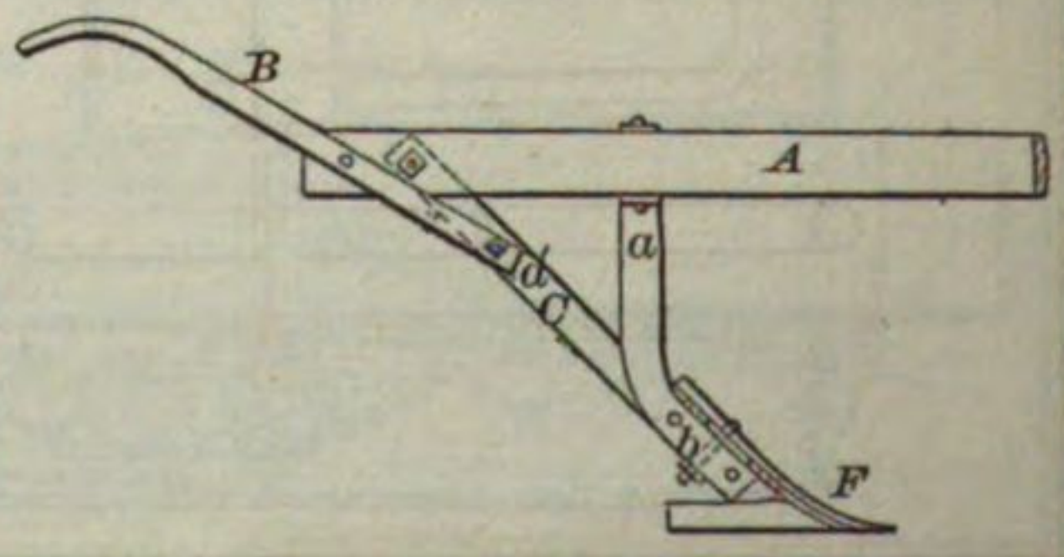


58123—S. Miller—*Edge Plane.*

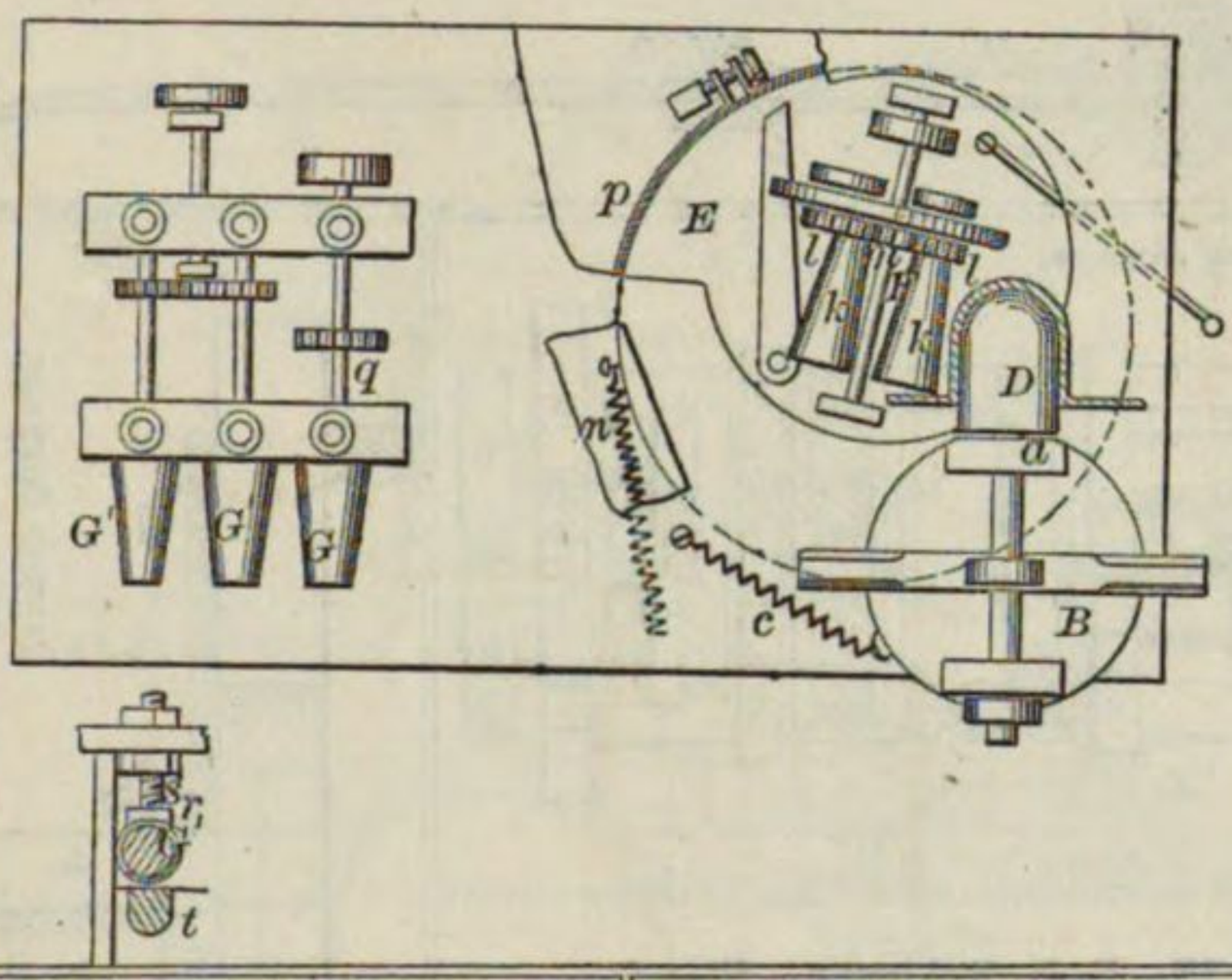
58125—D. J. Noble—*Corn Cultivator.*



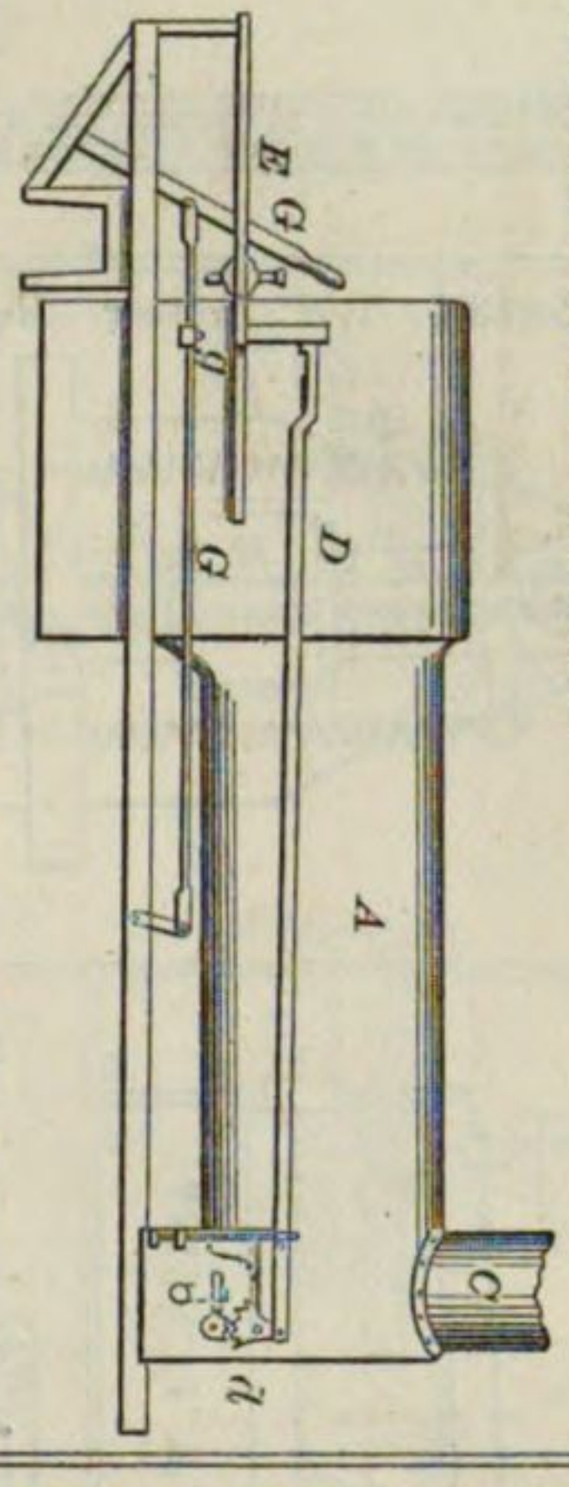
58119—F. W. McMeekin—*Plow.*



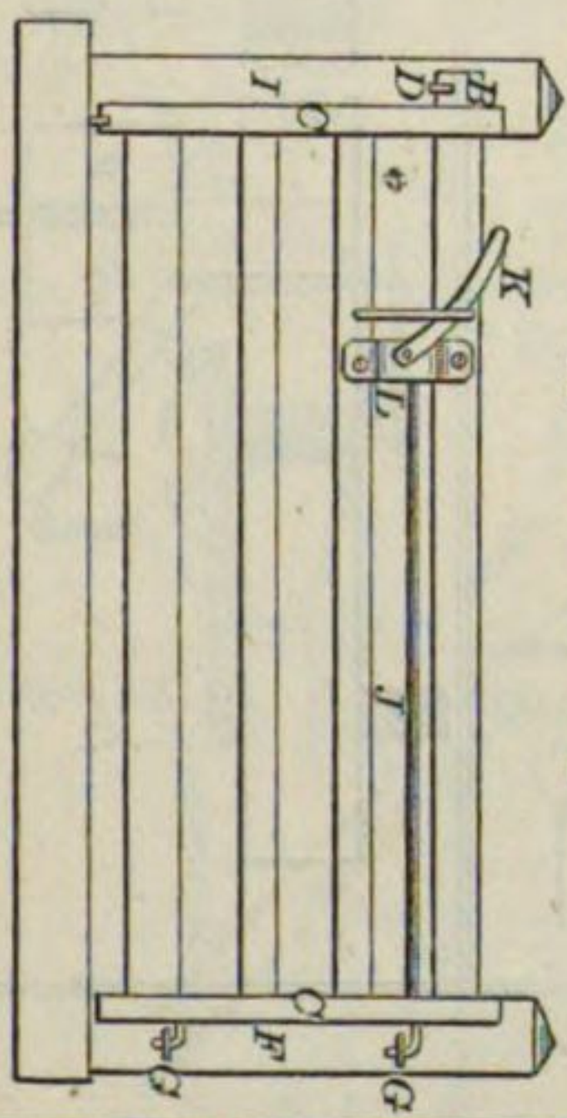
58126—E. Nougaret—*Hat Pouncer.*



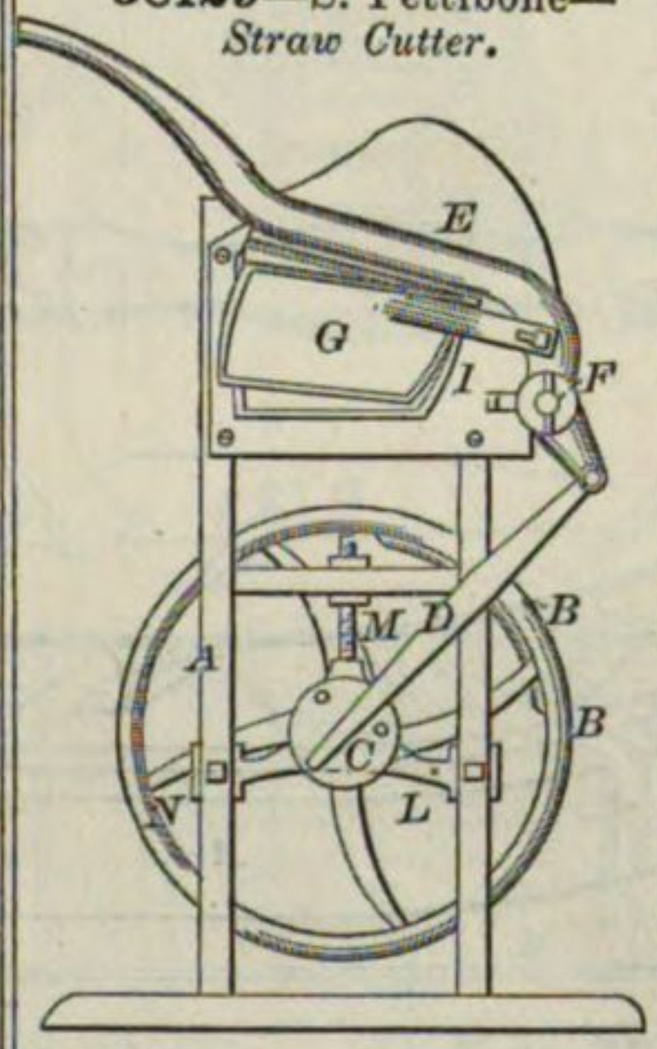
58127—J. C. Parker—*Locomotive.*



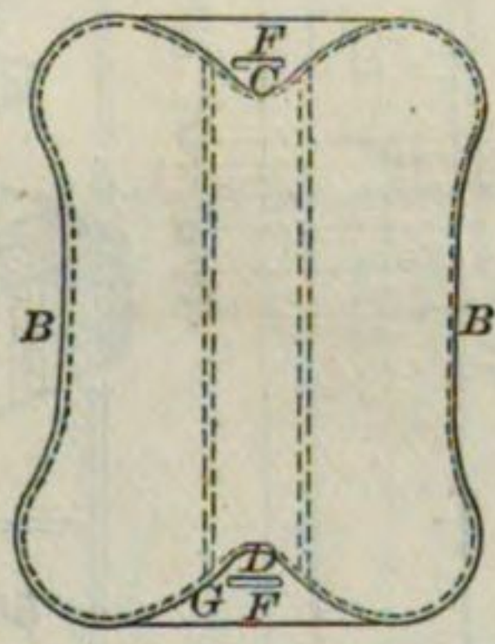
58130—P. Philippi—*Gate Fastening.*



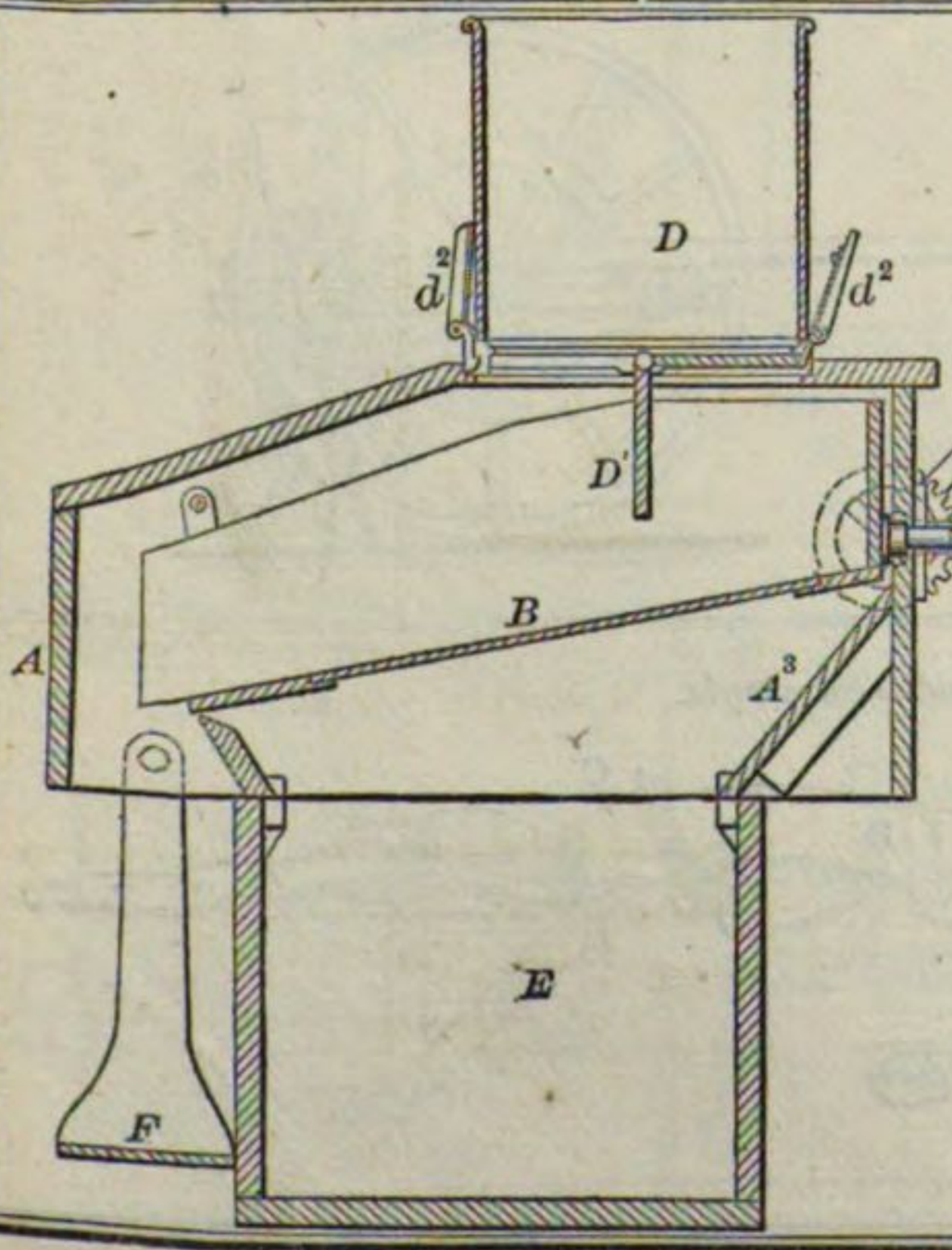
58129—S. Pettibone—*Straw Cutter.*



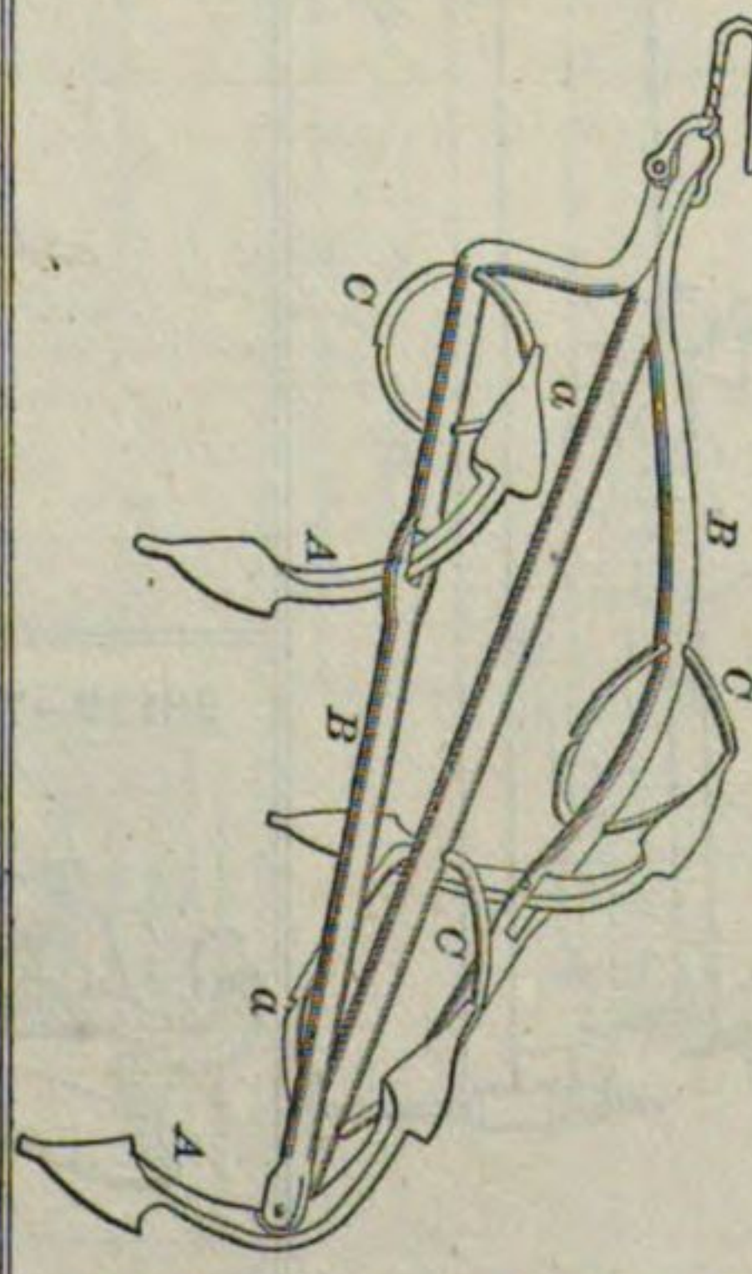
58131—C. F. Pidgin—*Shirt Bosom.*



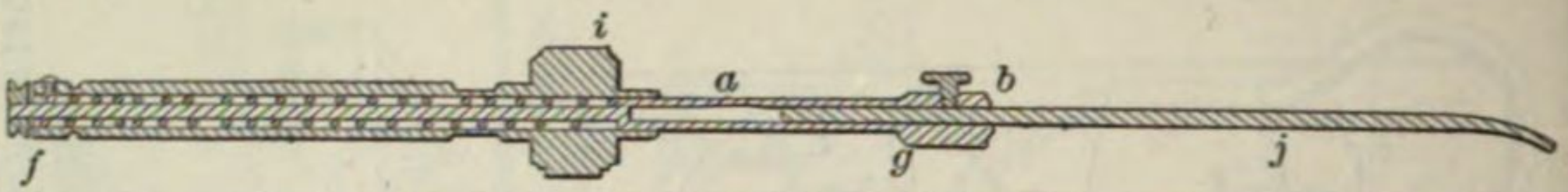
58132—C. L. Pierce—*Ash Sifter.*



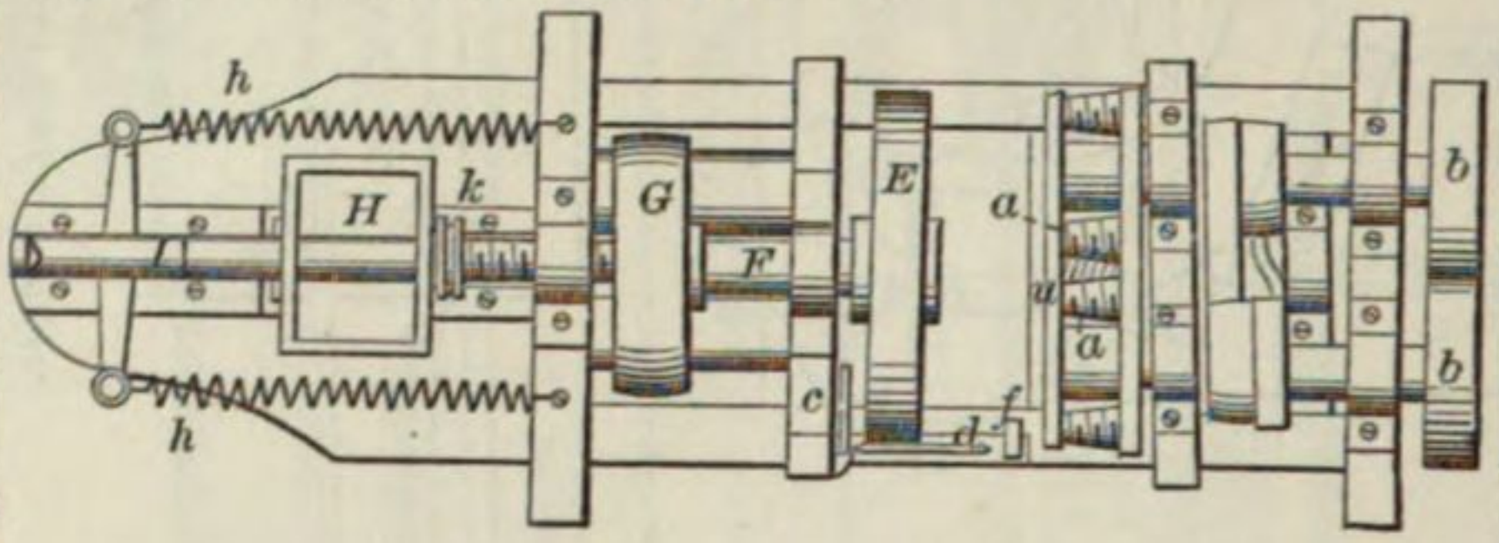
58128—G. C. Pattison—*Anchor.*



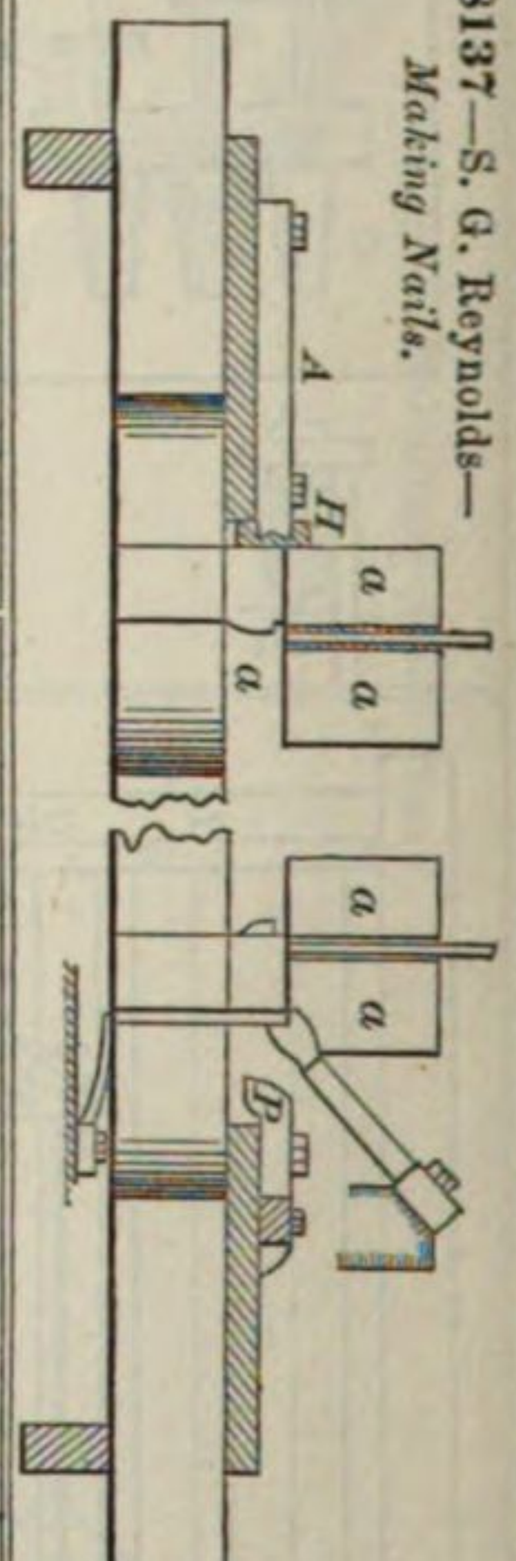
58133—C. Poor—*Dental Mallet.*



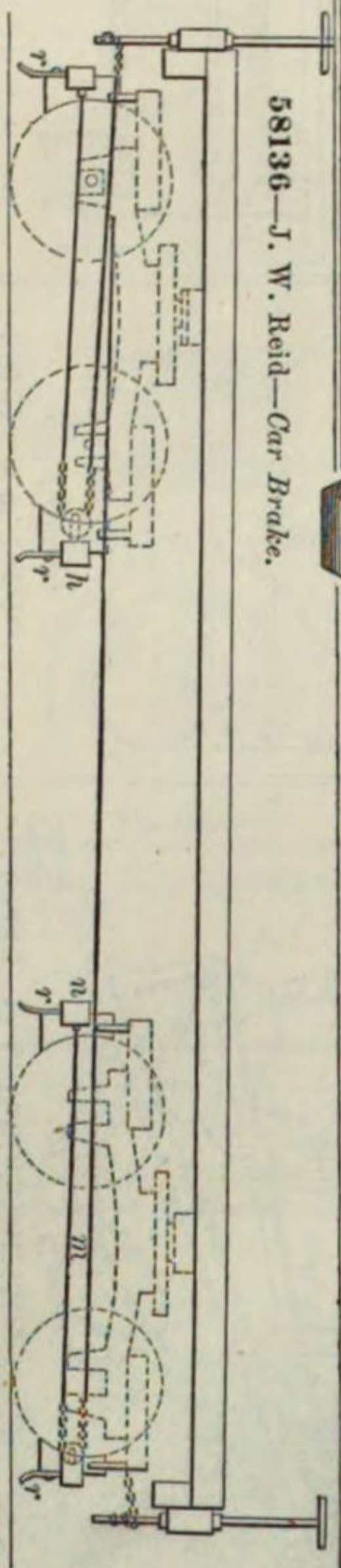
58134—T. T. Prosser—*Making Screws.*



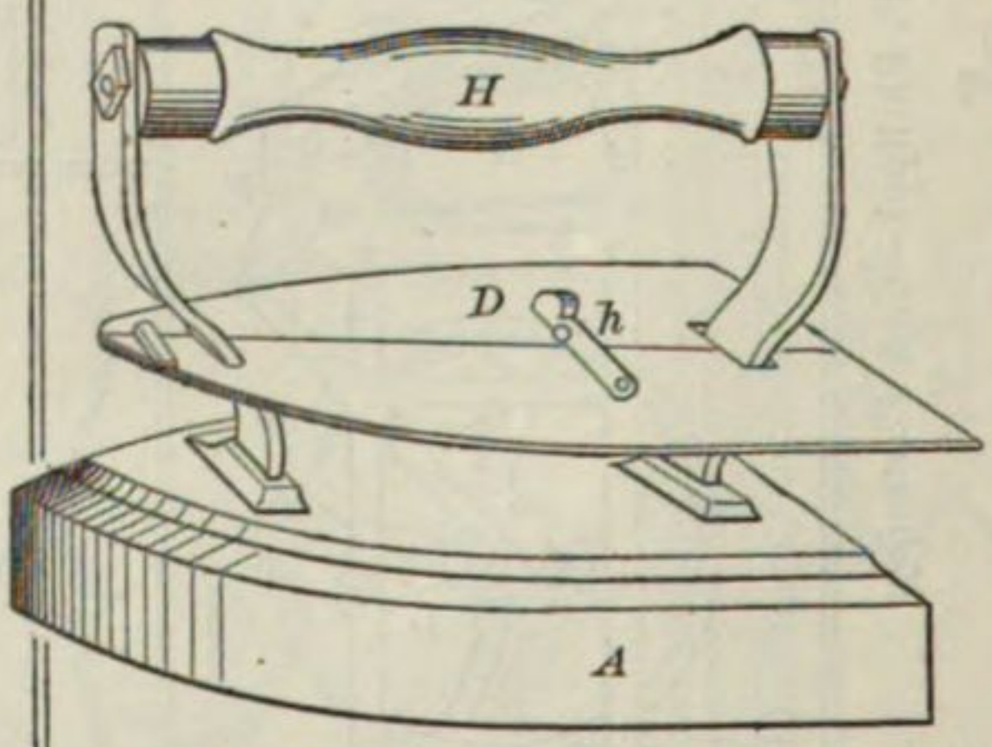
58137—S. G. Reynolds—*Making Nails.*



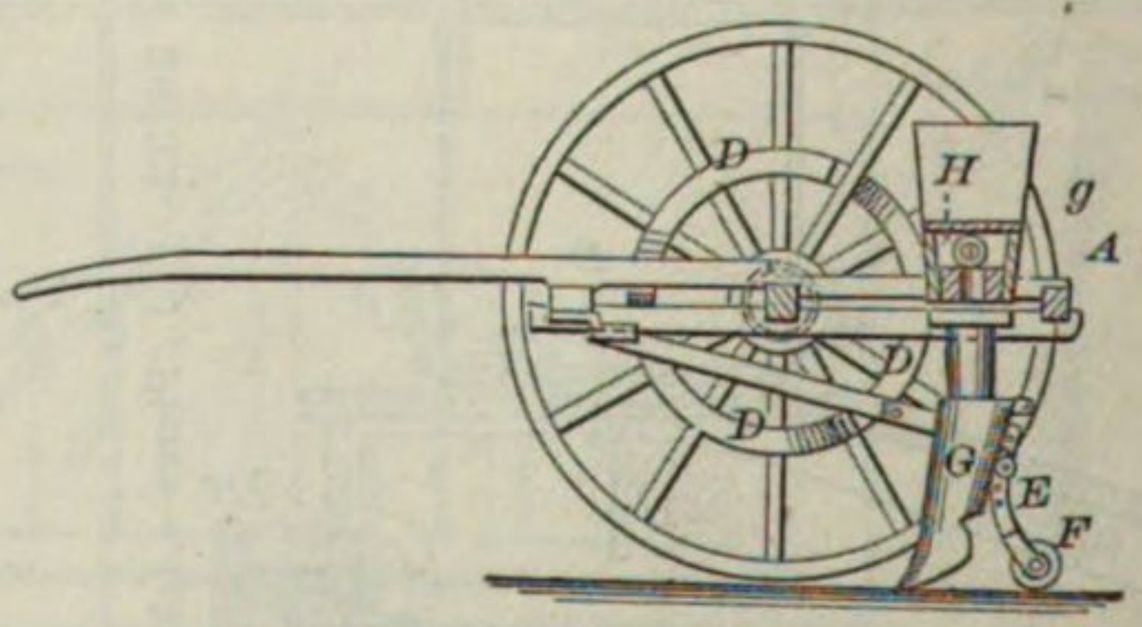
58136—J. W. Reid—*Car Brake.*



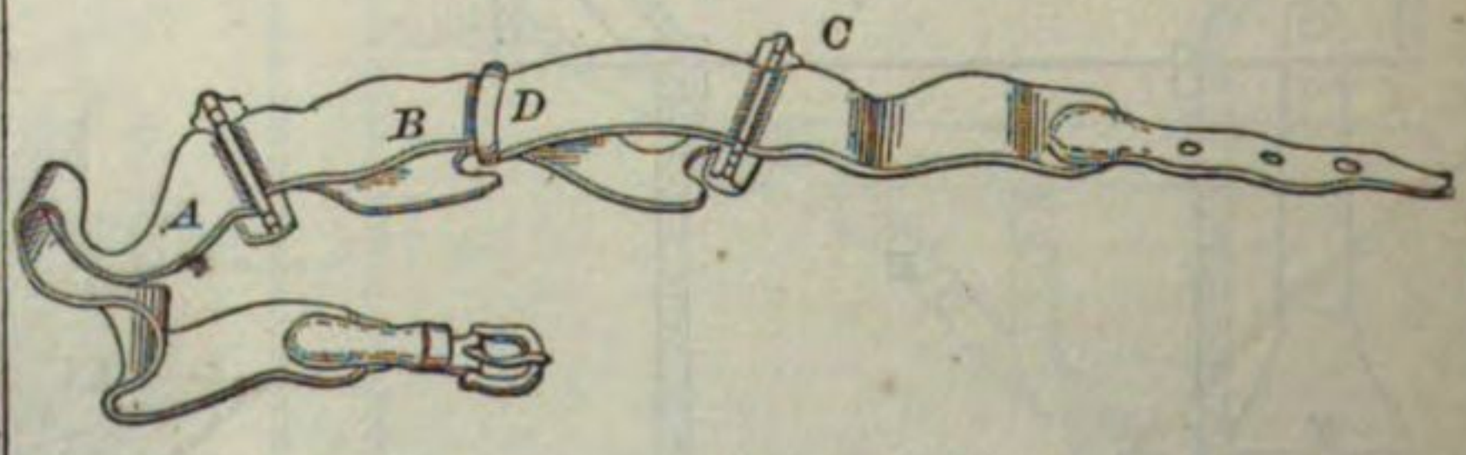
58138—E. B. Robinson—*Flat Iron.*



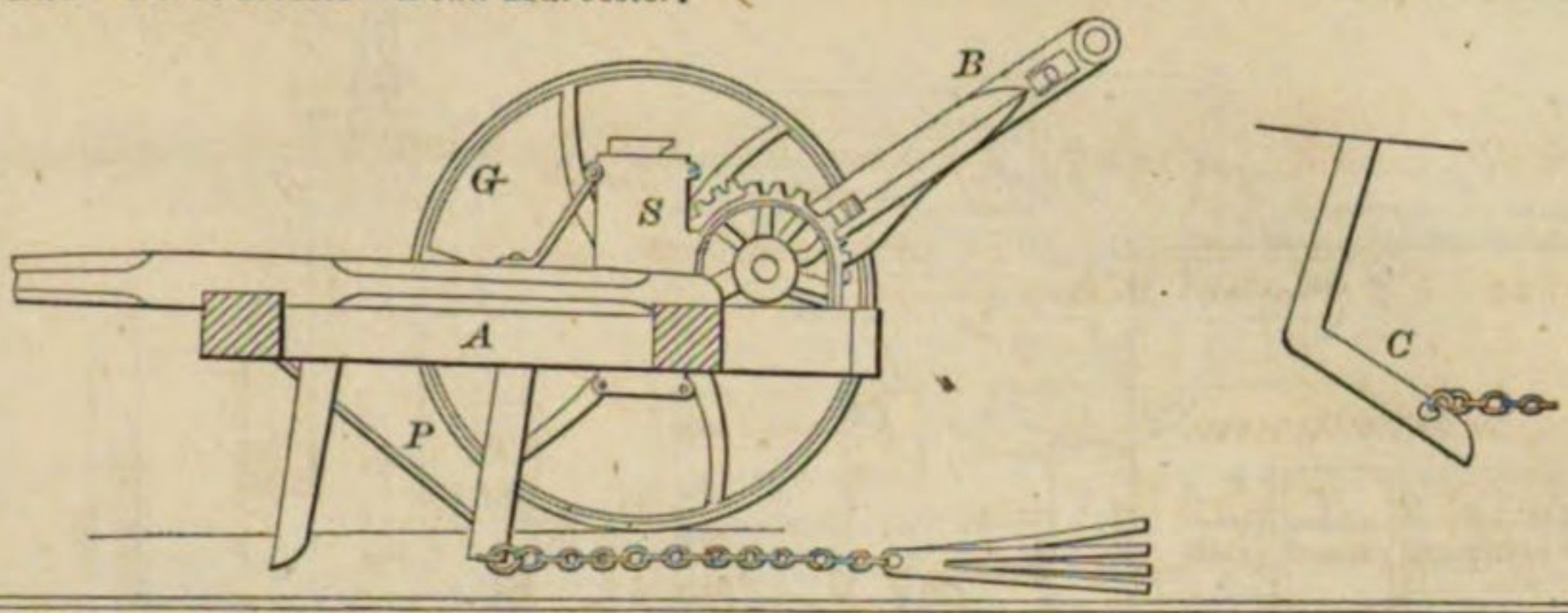
58135—A. Putnam—*Corn Planter.*



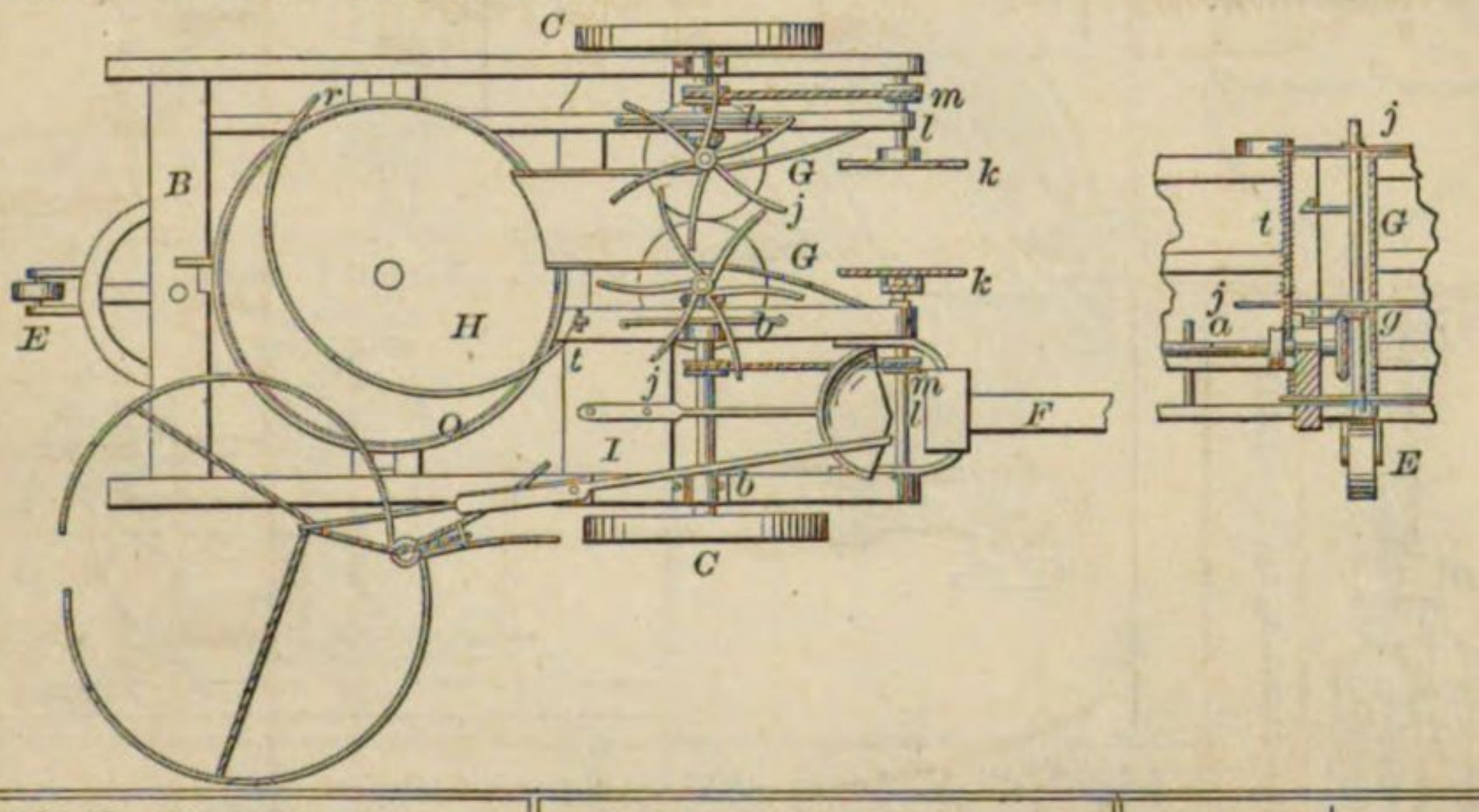
58139—D. P. Rood—*Surcingle.*



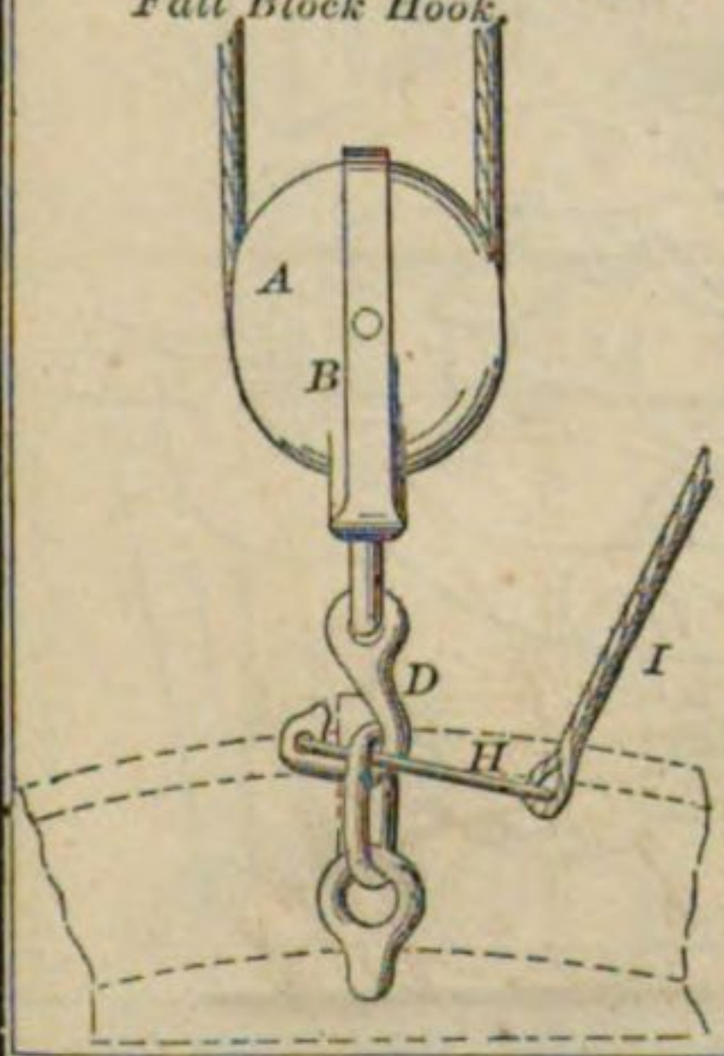
58140—D. C. Rosier—*Bean Harvester.*



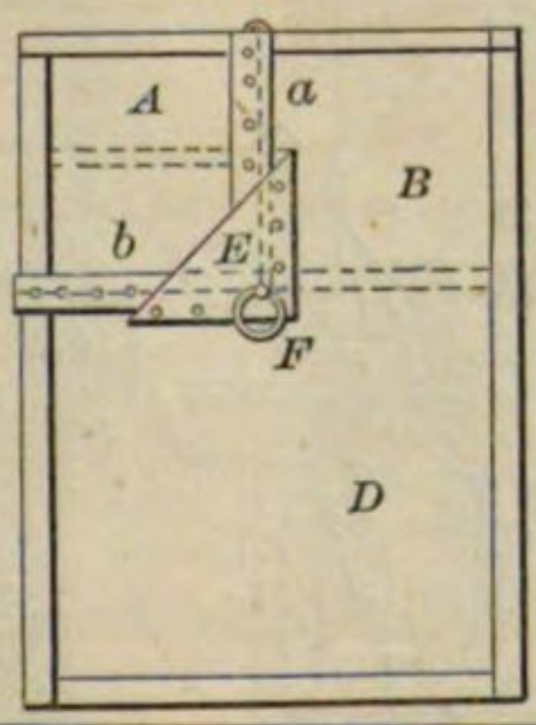
58143—S. Secrist—*Corn Harvester.*



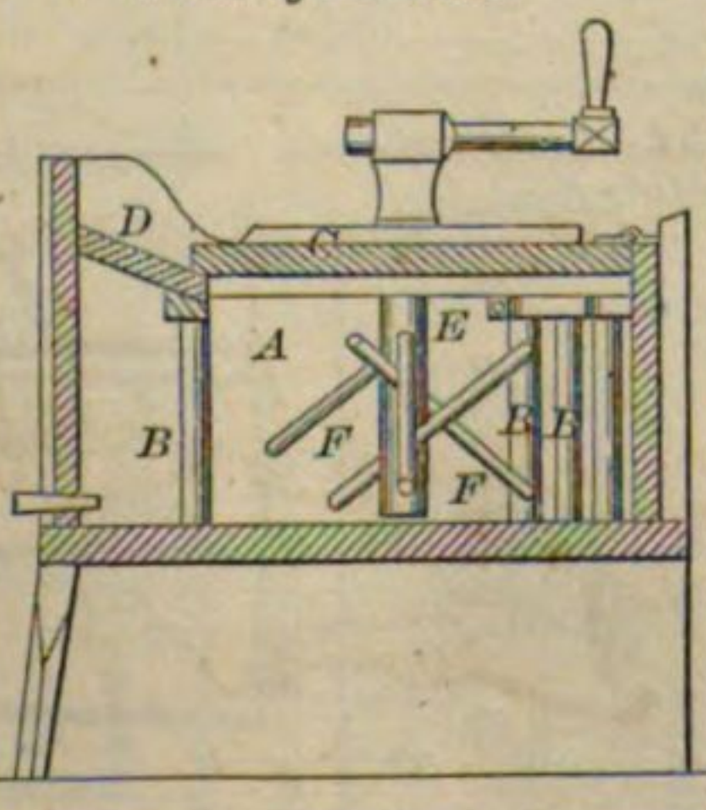
58142—W. R. Satterly—
Fall Block Hook.



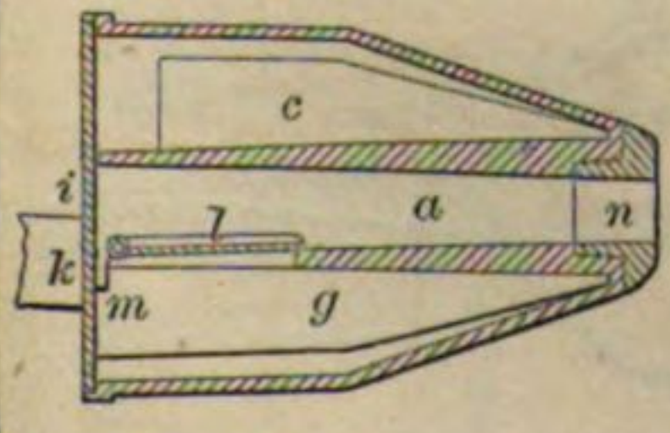
58141—A. V. Ryder—
Trunk.



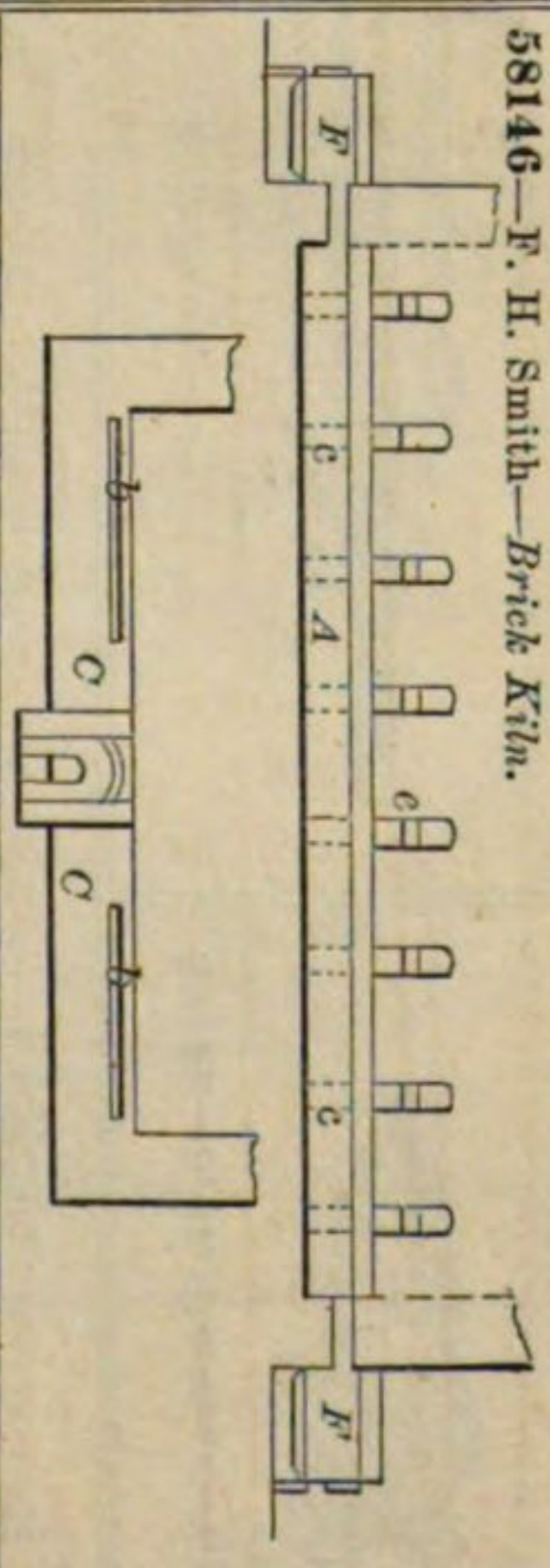
58144—H. Sidle—
Washing Machine.



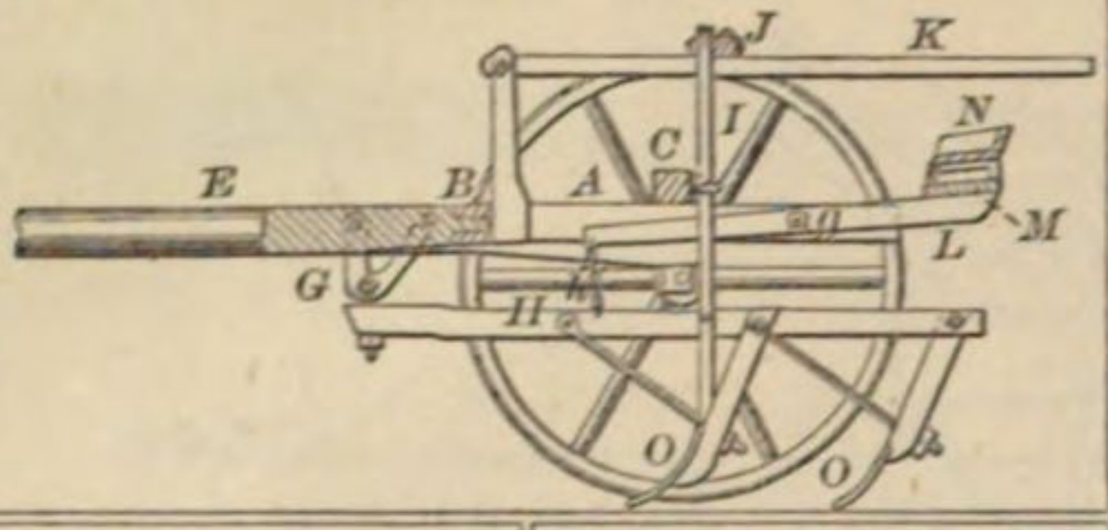
58145—Sinnott & McIntyre—
Tuyere.



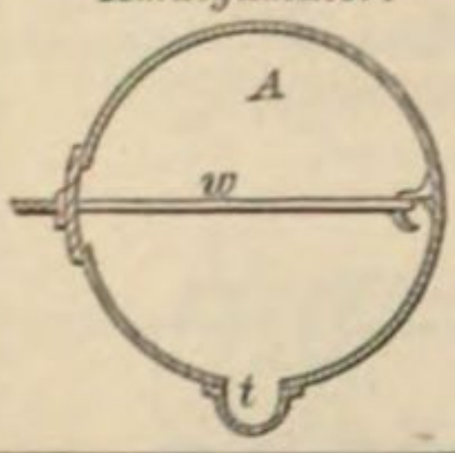
58146—F. H. Smith—*Brick Kiln.*



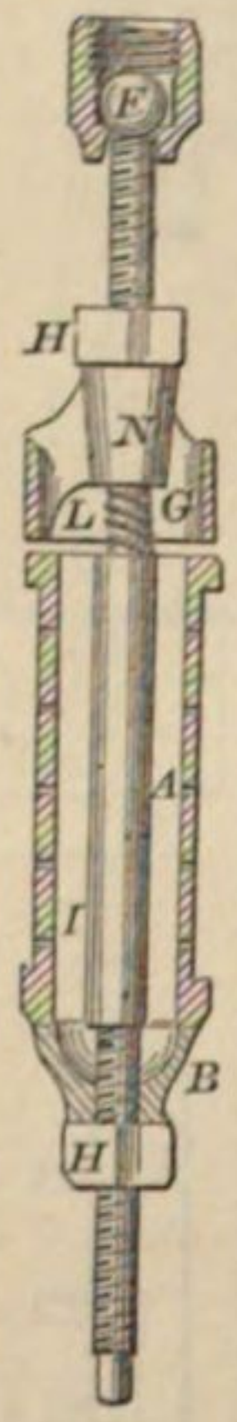
58147—A. Stark—*Cultivator.*



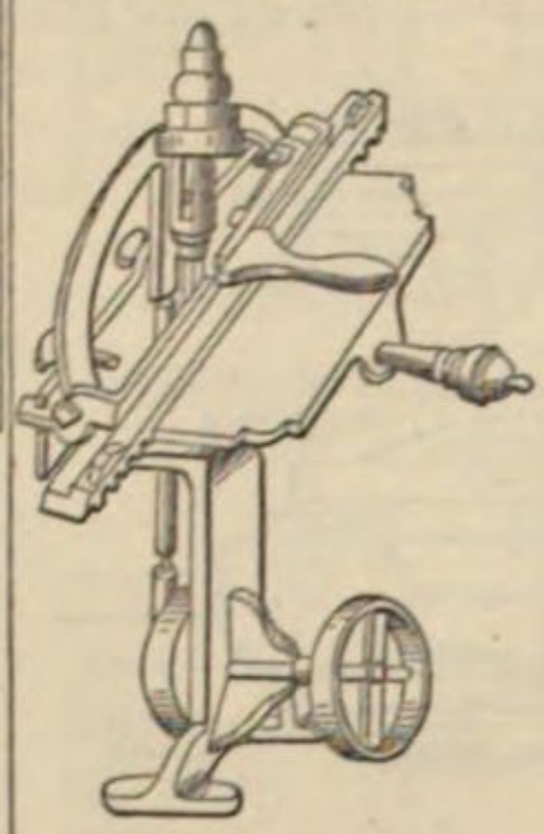
58149—S. G. Sturges—*Amalgamator.*



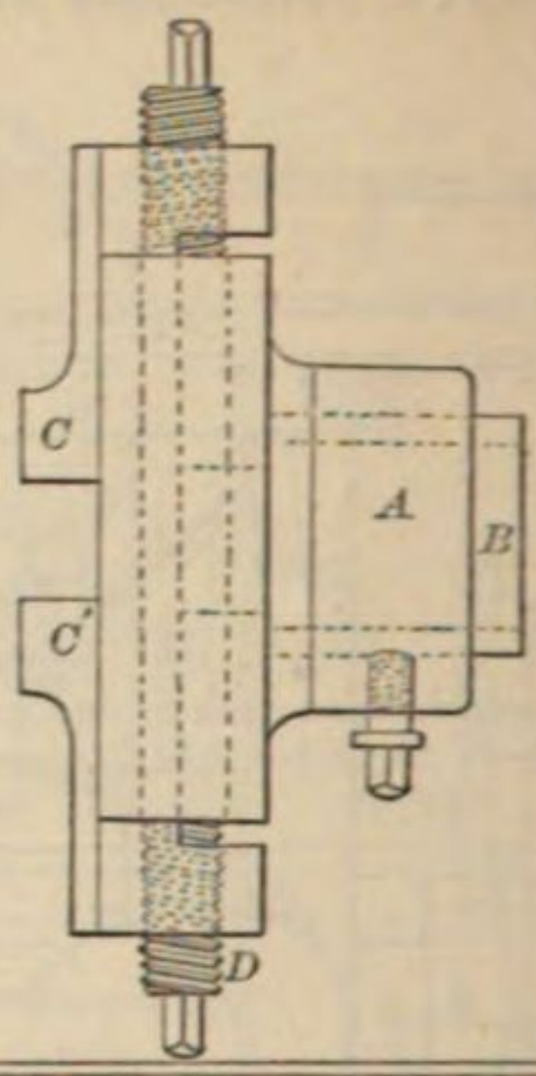
58150—J. W. Summers—*Deep Well Pump.*



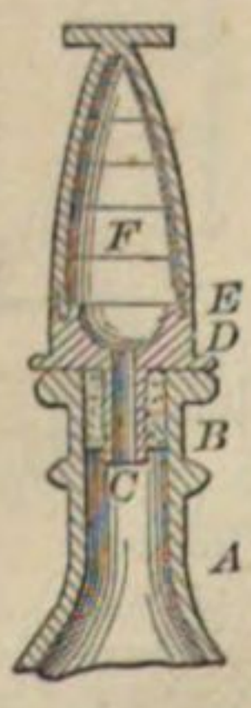
58151—A. Sweetland—*Saw Filing Machine.*



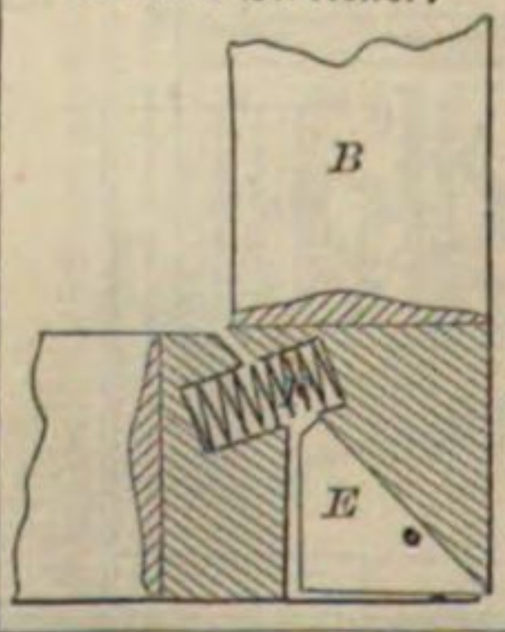
58152—R. H. Thorn—*Chuck.*



58153—S. H. Timmons—*Bottle Stopper.*

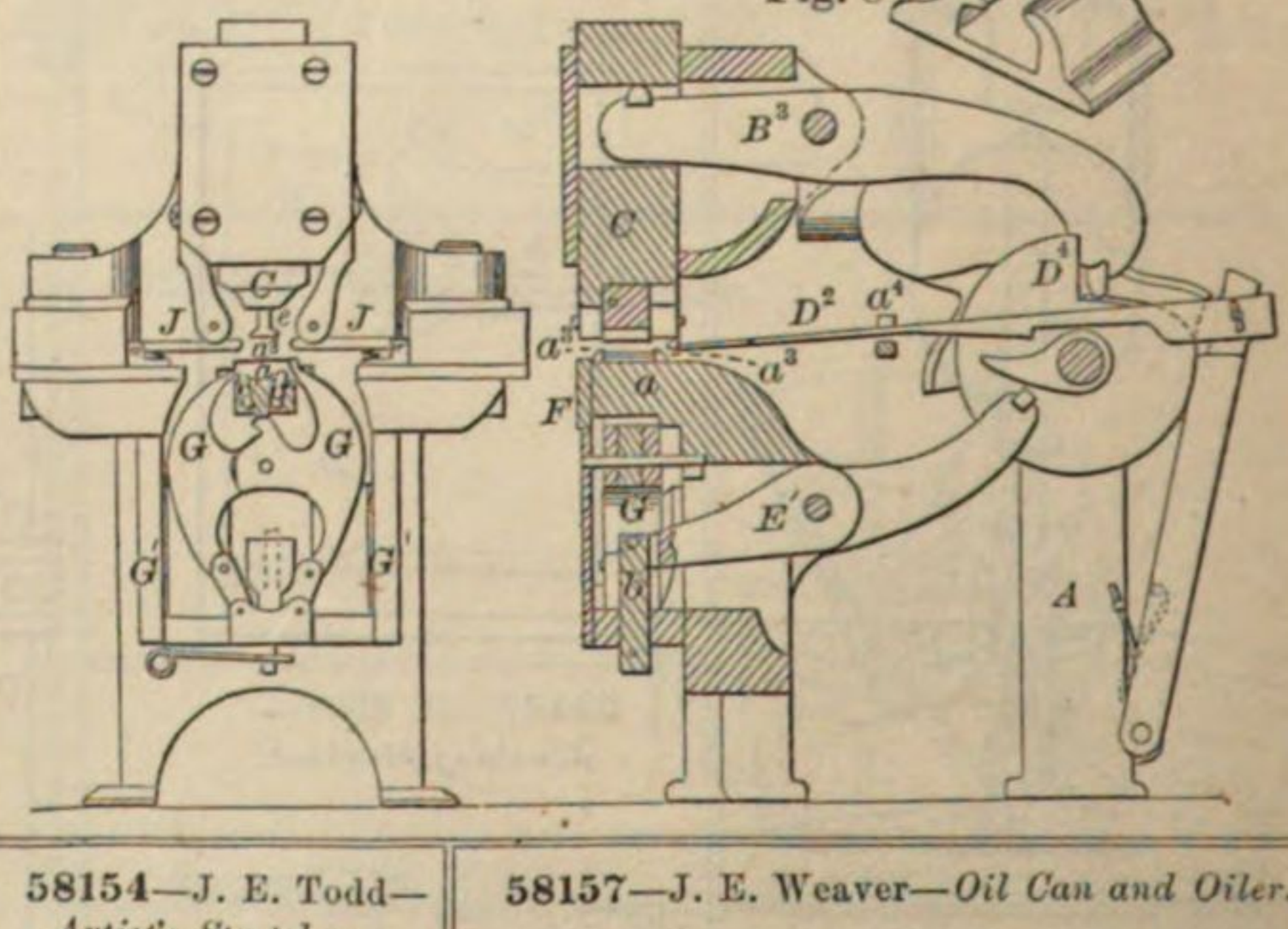


58154—J. E. Todd—*Artist's Stretcher.*

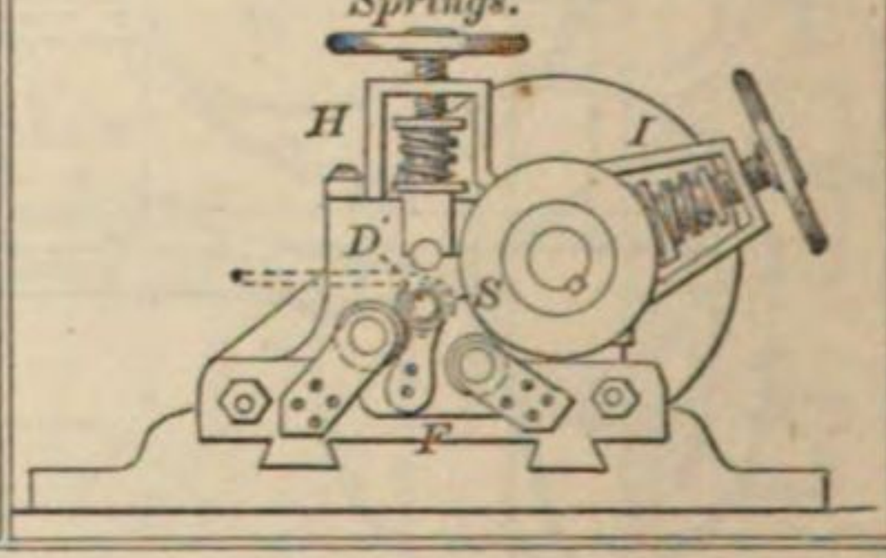


58155—W. V. Anden—*Making Railroad Chairs.*

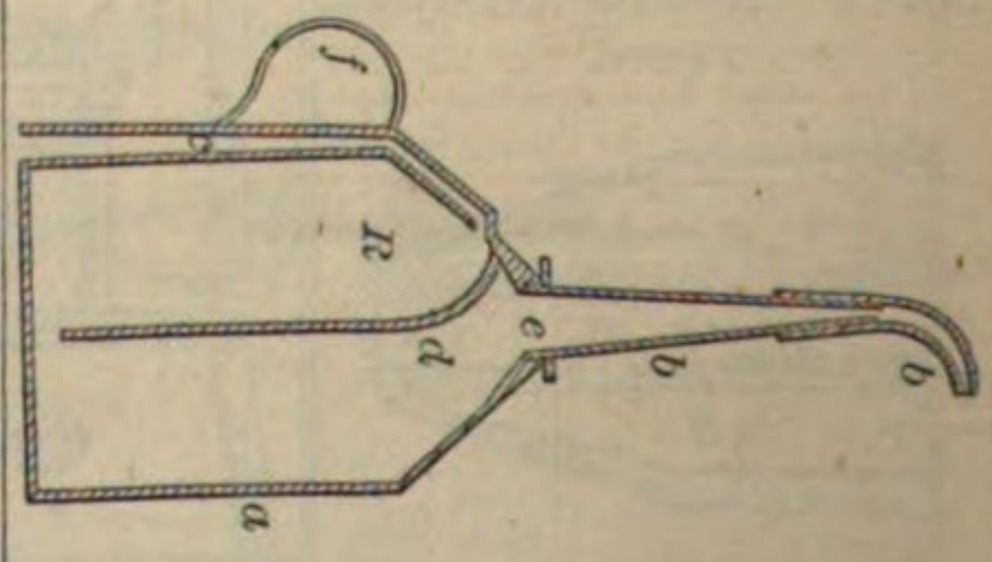
Fig. 8



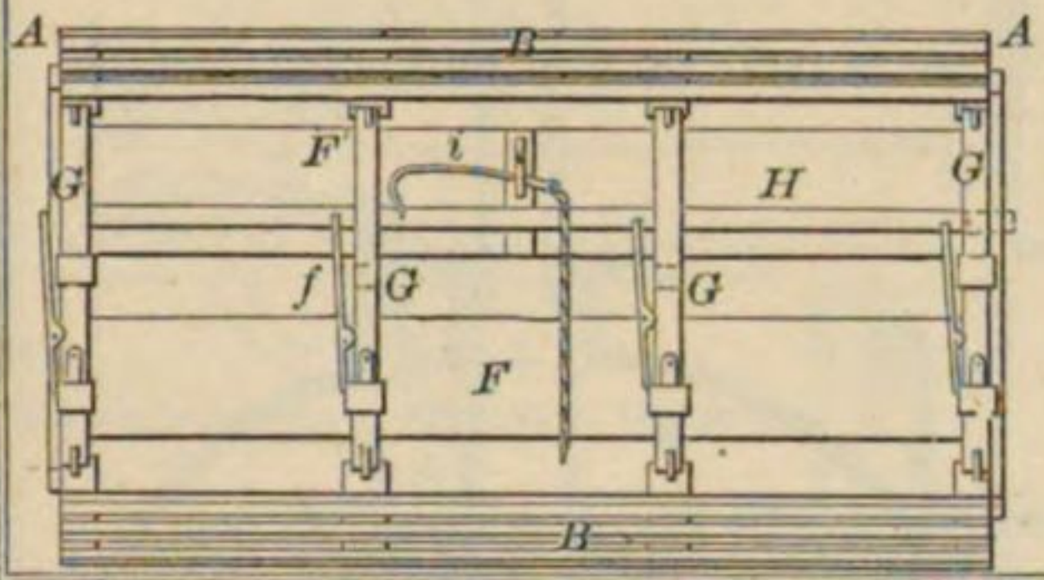
58156—Vose & Toshach—*Coiling Springs.*

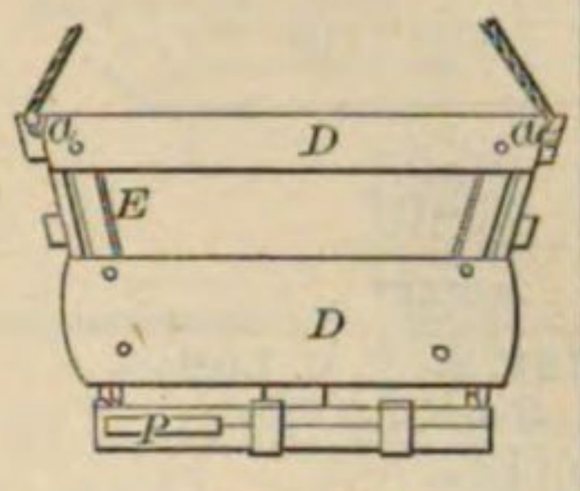


58157—J. E. Weaver—*Oil Can and Oiler.*

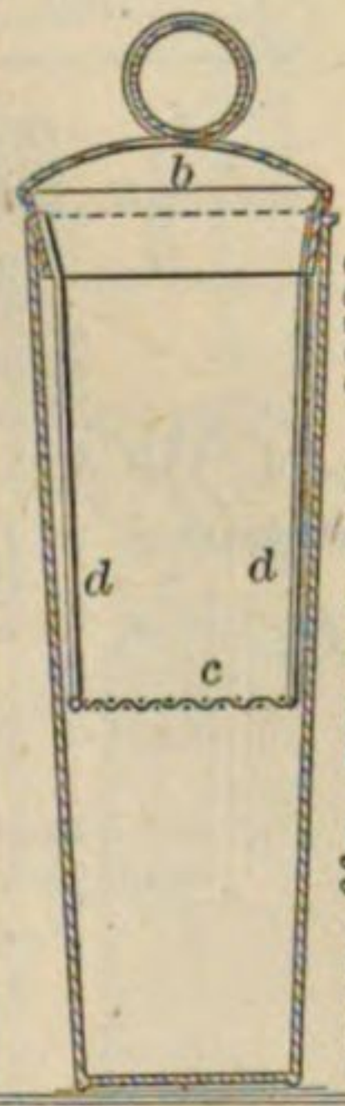


58158—D. N. Webster—*Hay Rack.*

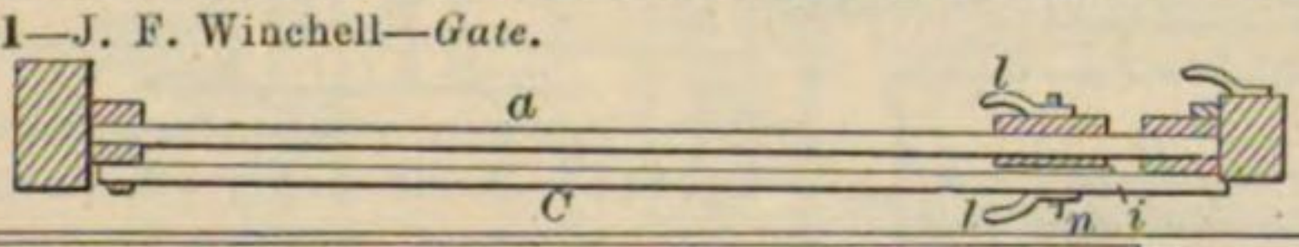




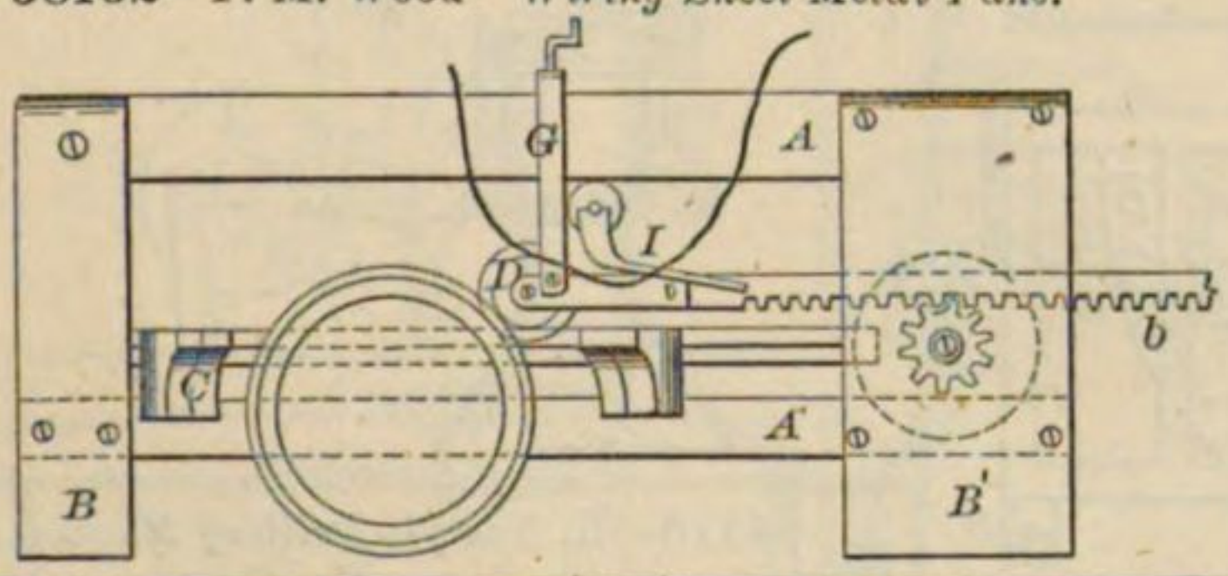
58165—C. M. Drennan—*Egg Beater.*



58161—J. F. Winchell—*Gate.*

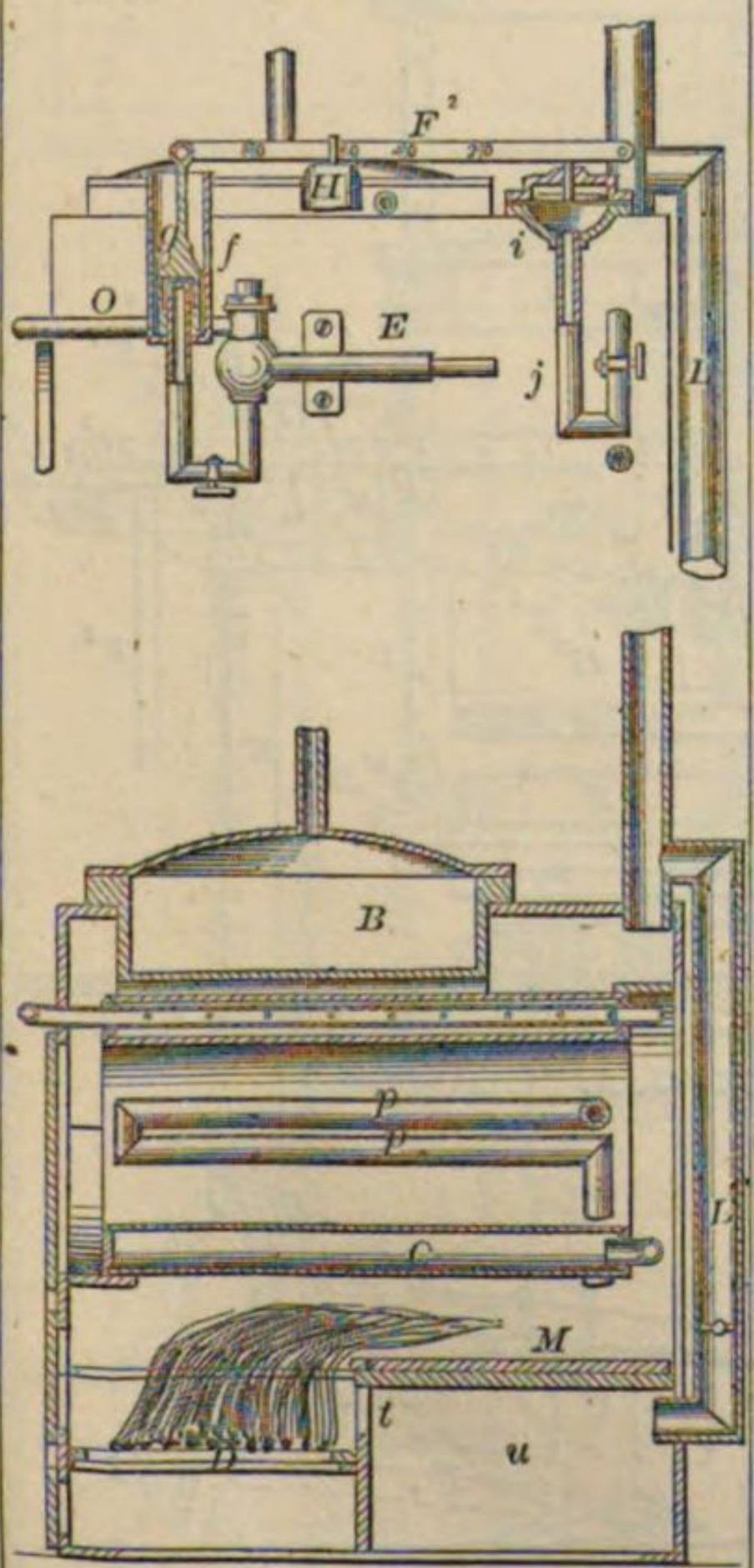


58162—F. M. Wood—*Wiring Sheet Metal Pans.*

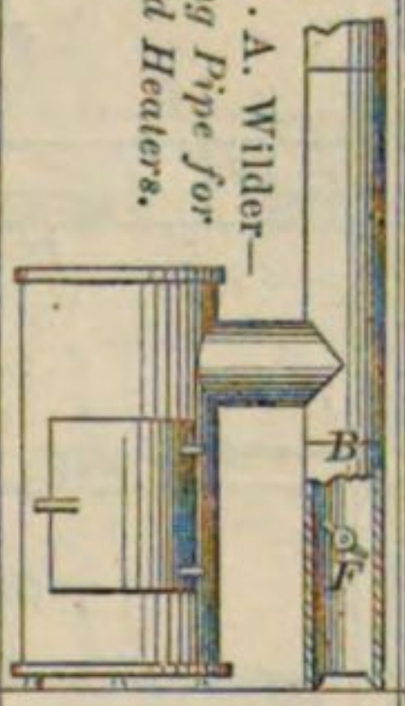


58160—J. T Williams—*Toy.*

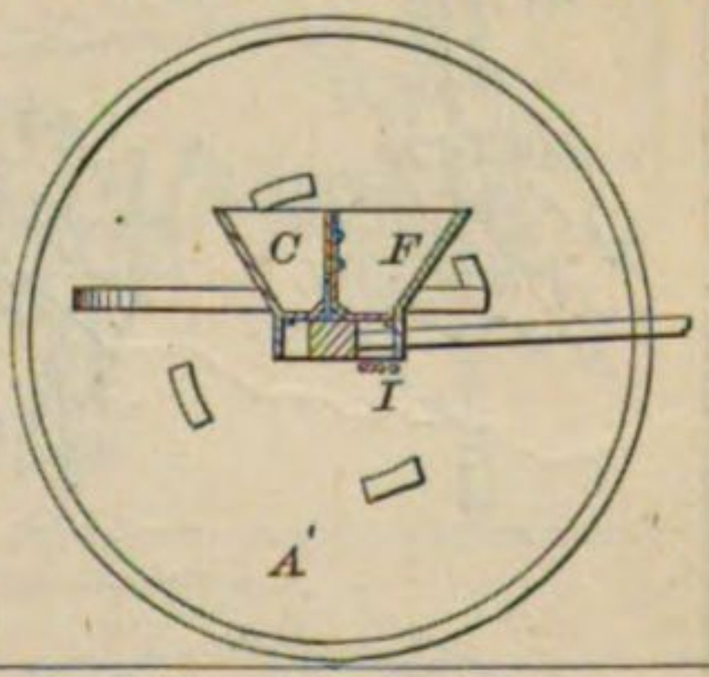
58164—E. P. Chase—*Steam Generator*



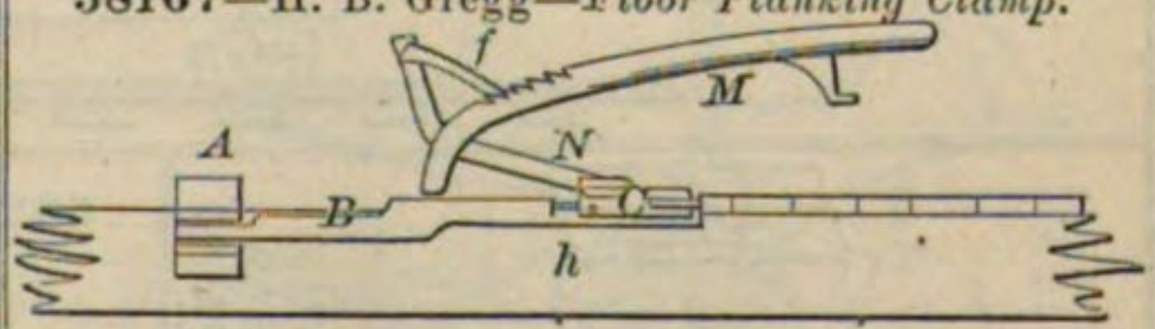
58159—A. A. Wilder—*Ventilating Pipe for Stoves and Heaters.*

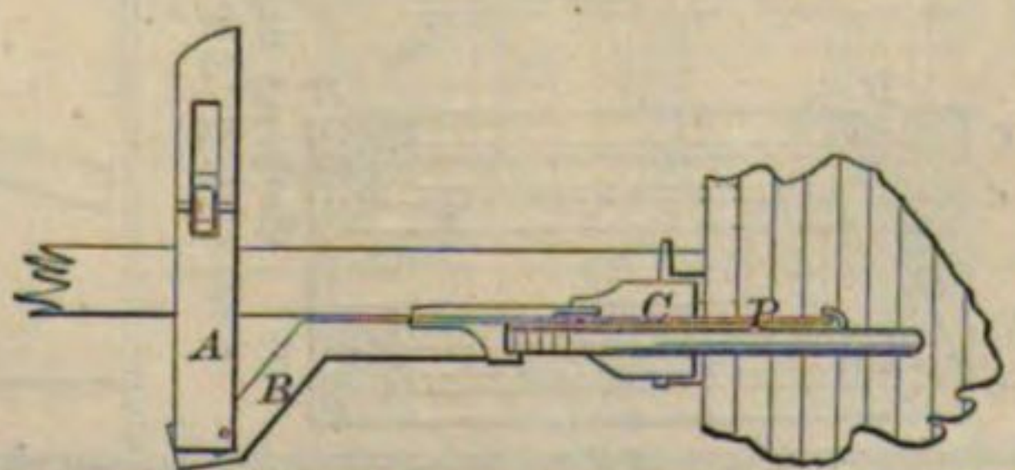


58166—A. J. Edgett—*Corn Planter and Broadcast Seeder.*

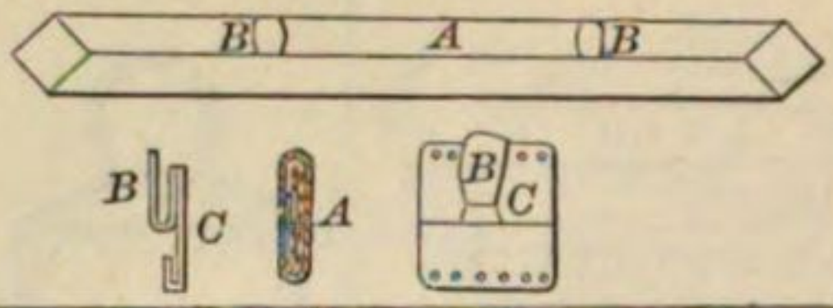


58167—H. B. Gregg—*Floor Planking Clamp.*

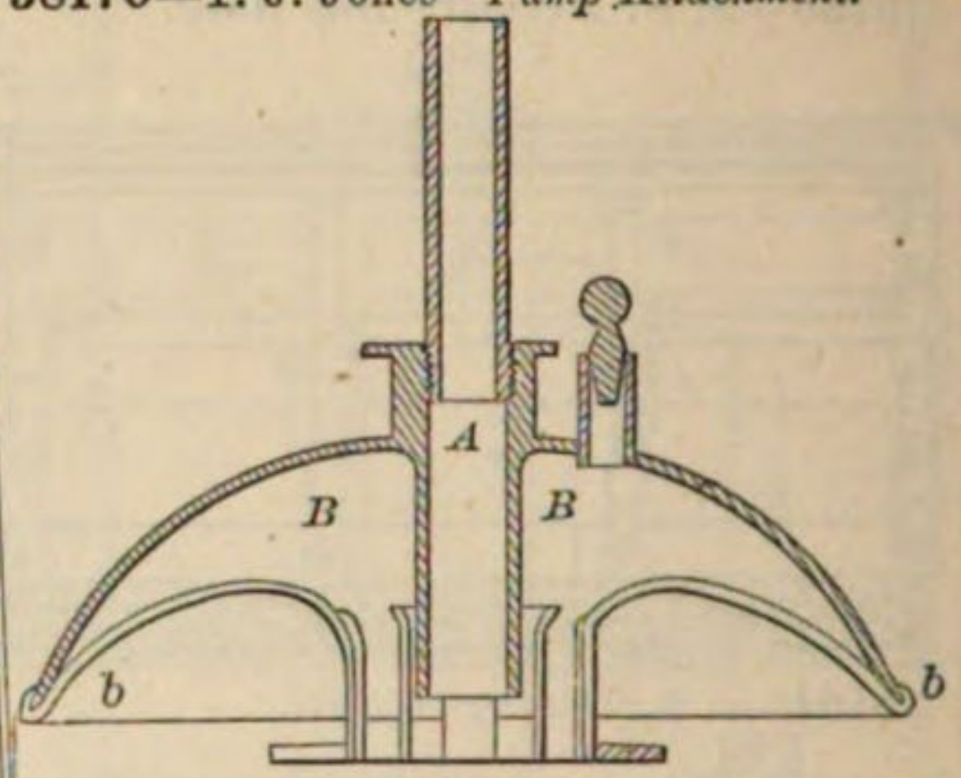




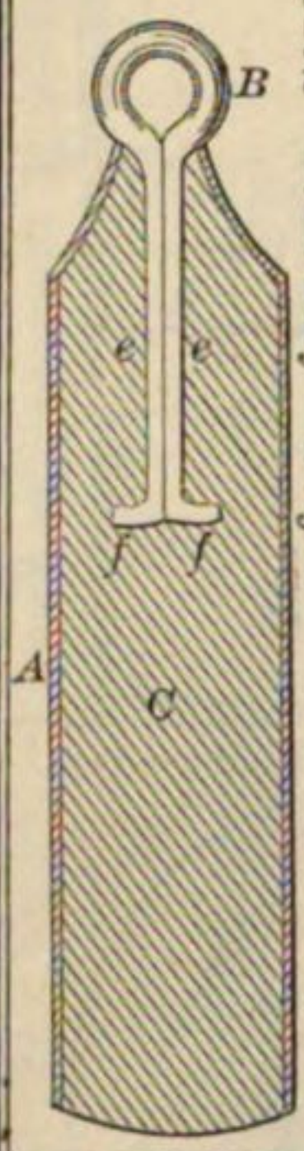
58168—I. W. Hamlet—*Neck Tie.*



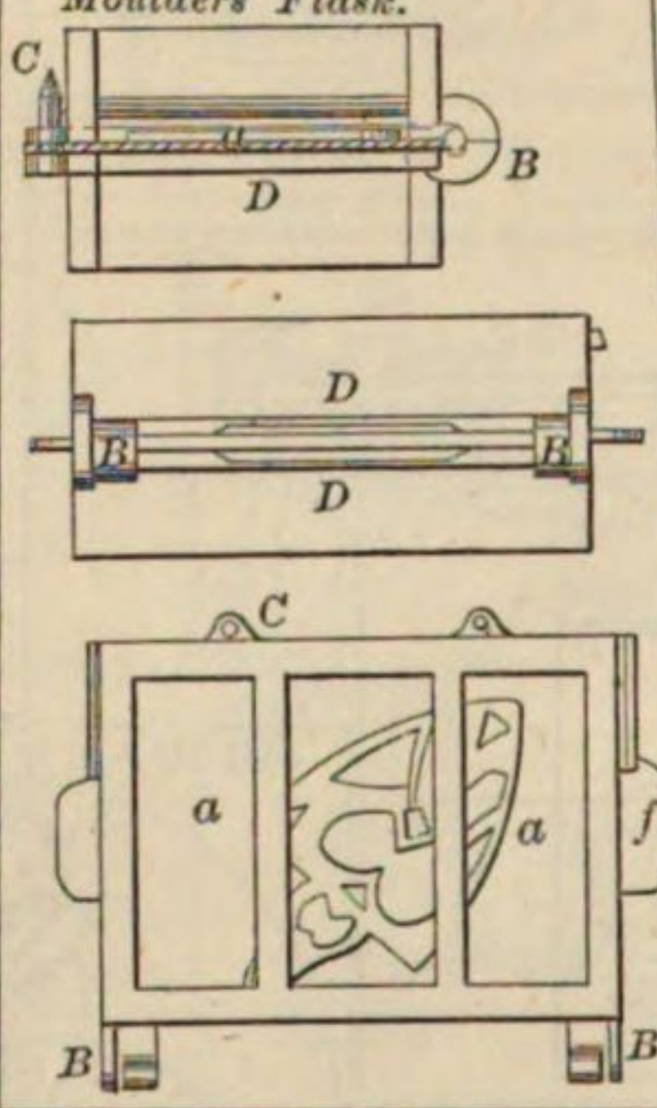
58170—T. J. Jones—*Pump Attachment.*



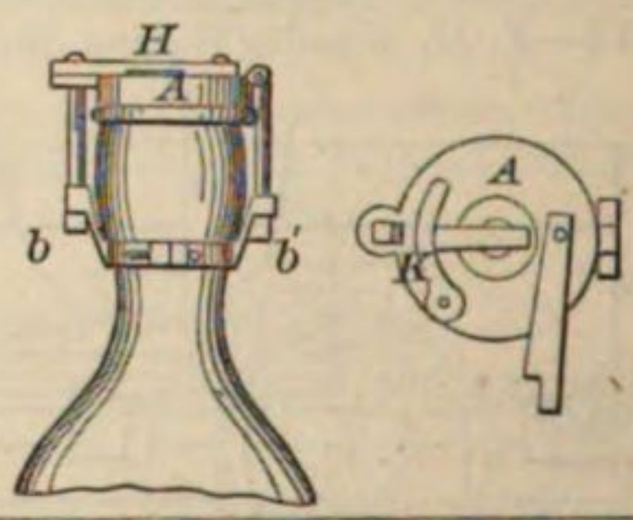
58172—D. B. Lacy—*Weight.*



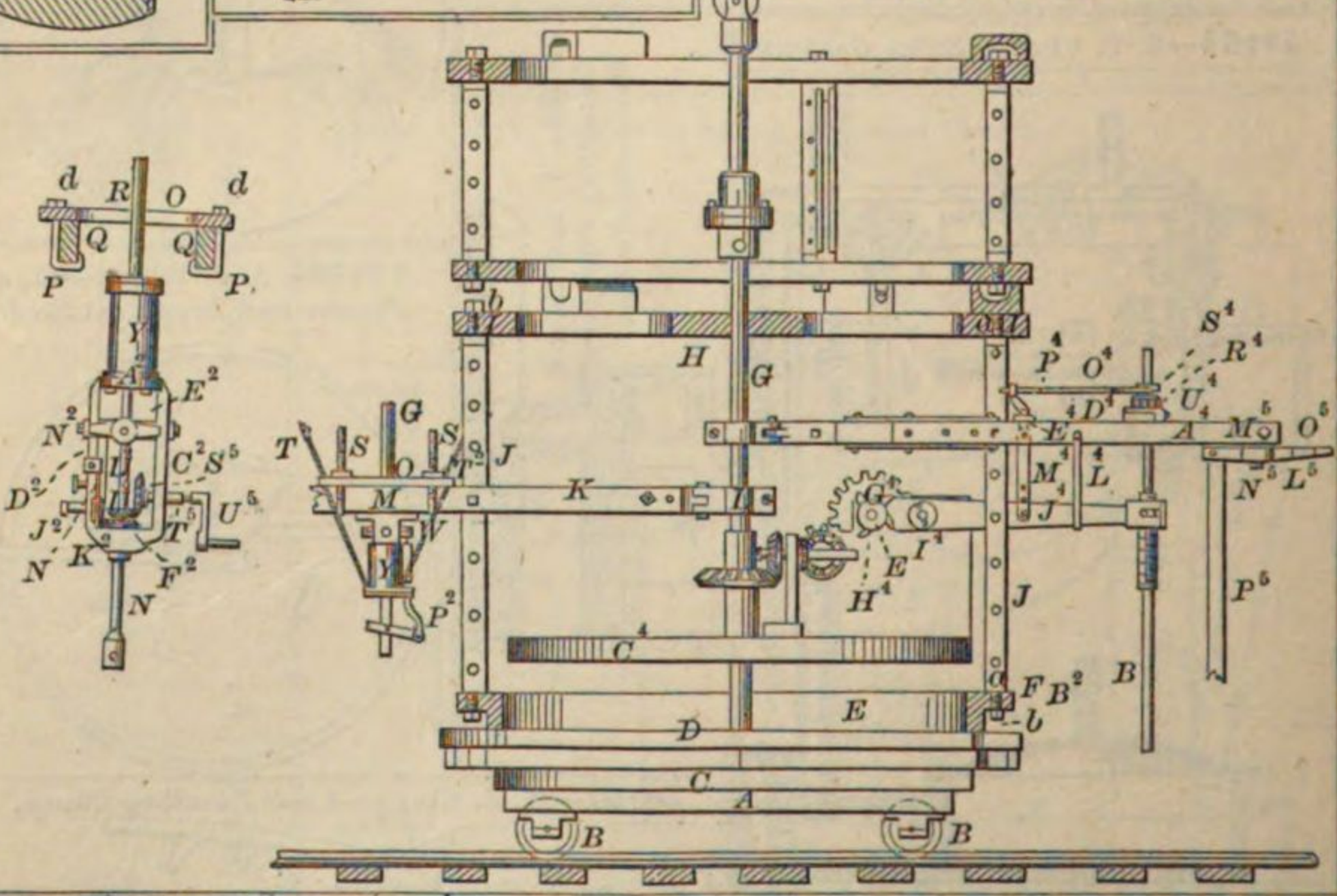
58173—E. C. Little—*Moulders' Flask.*



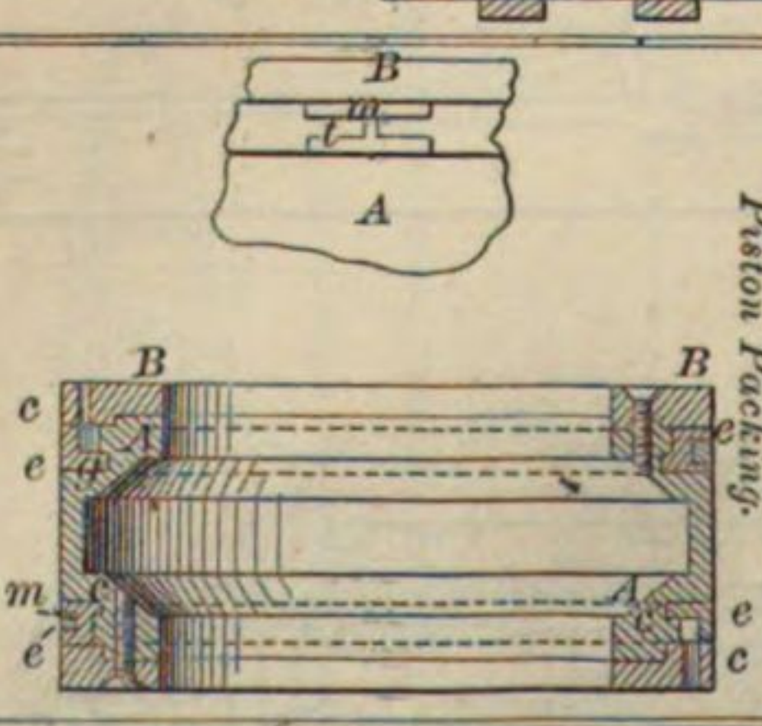
58174—J. Mulchahey—*Bottle Stopper.*



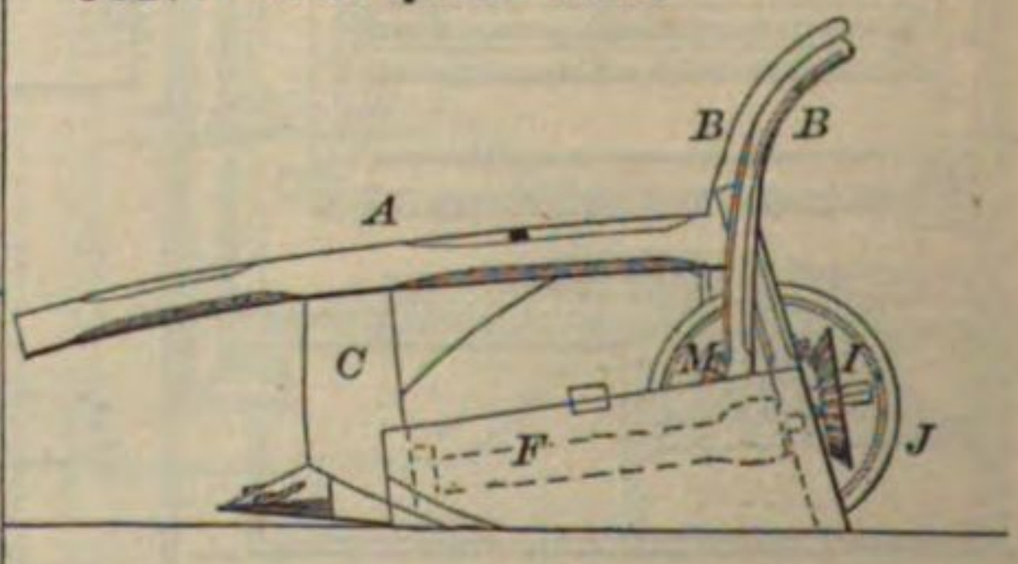
58175—R. Nutty—*Drilling Machine.*



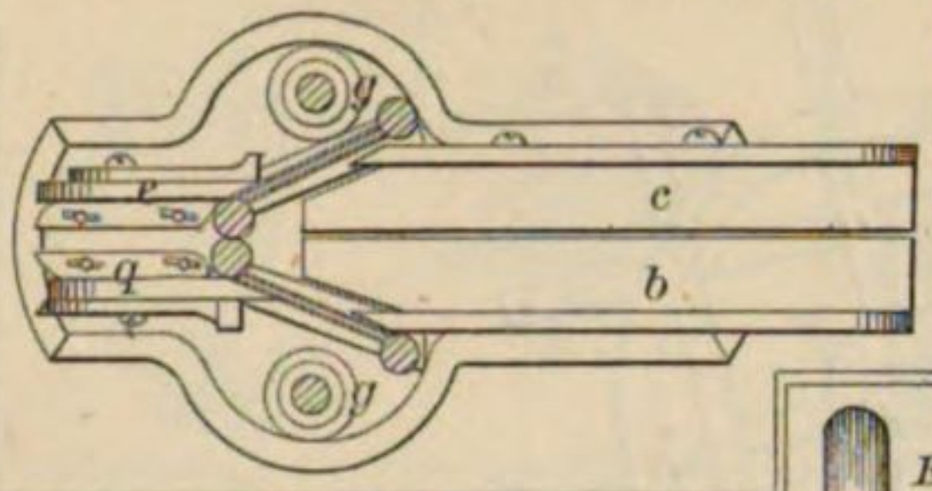
58176—W. A. & T. F. Powers—*Piston Packing.*



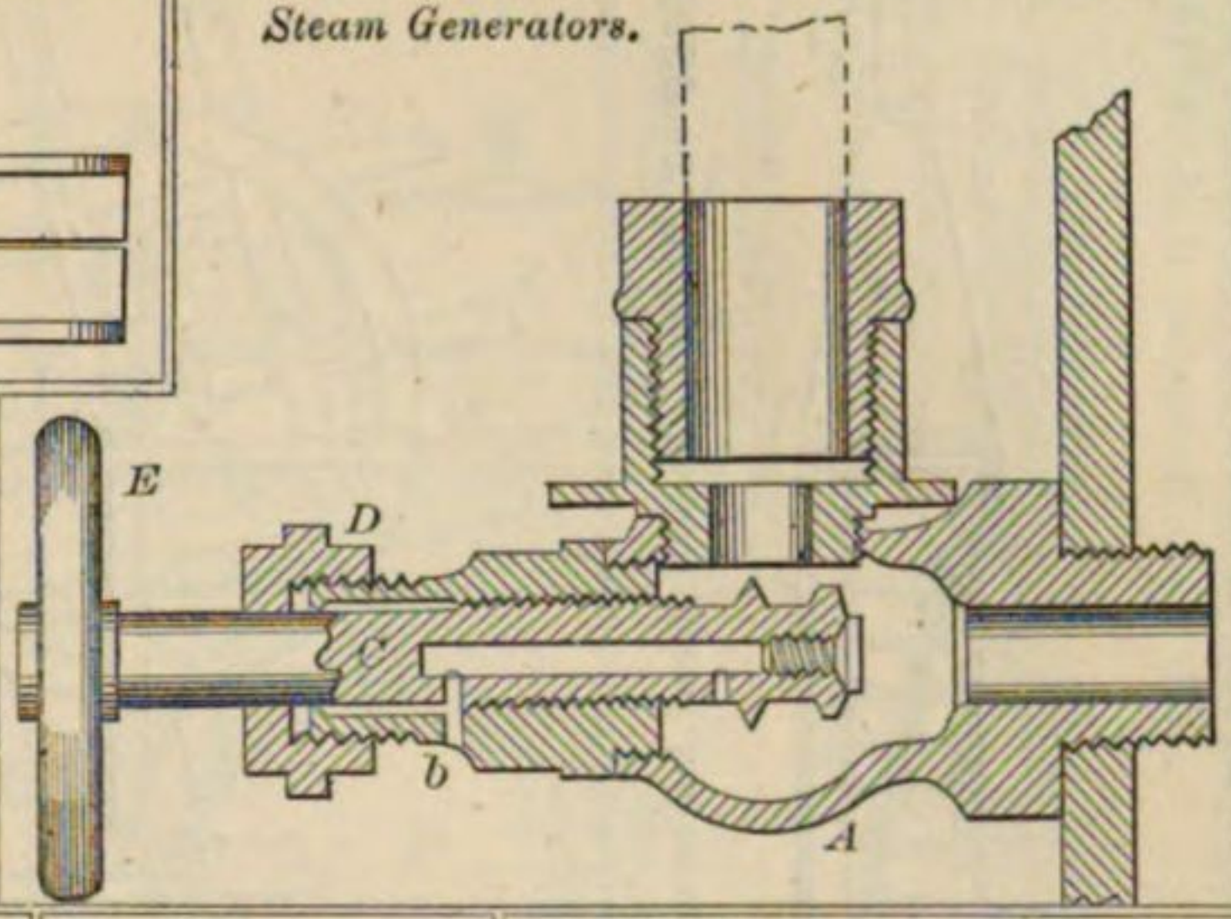
58177—J. A. Quick—*Plow.*



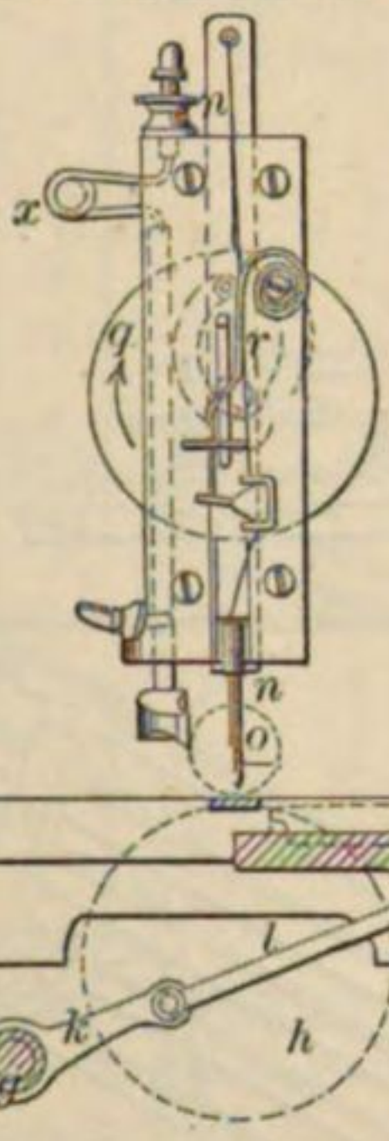
58178—T. K. Reed—*Shoe Shanking.*



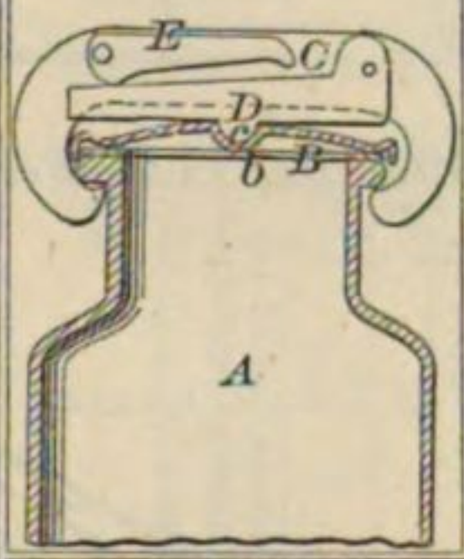
58179—T. Savill—*Low Water Detector for Steam Generators.*



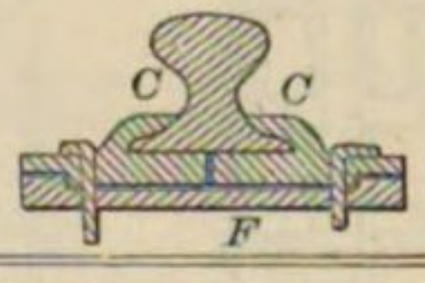
58181—S. M. Tyler—*Sewing Machine.*



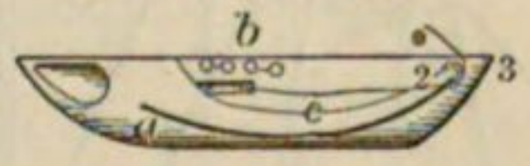
58185—J. F. Winchell—*Fruit Jar.*



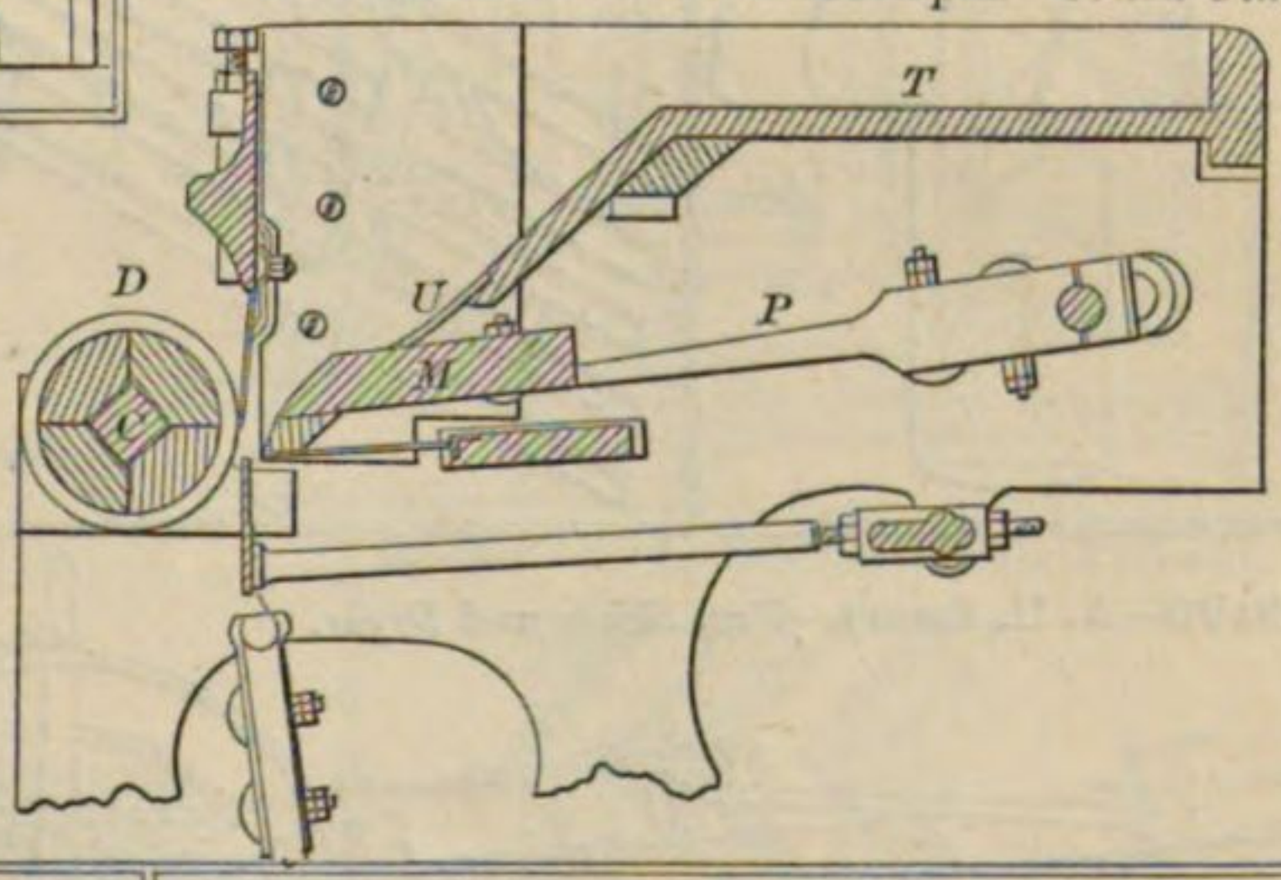
58184—T. Whittemore—*Railway Chair.*



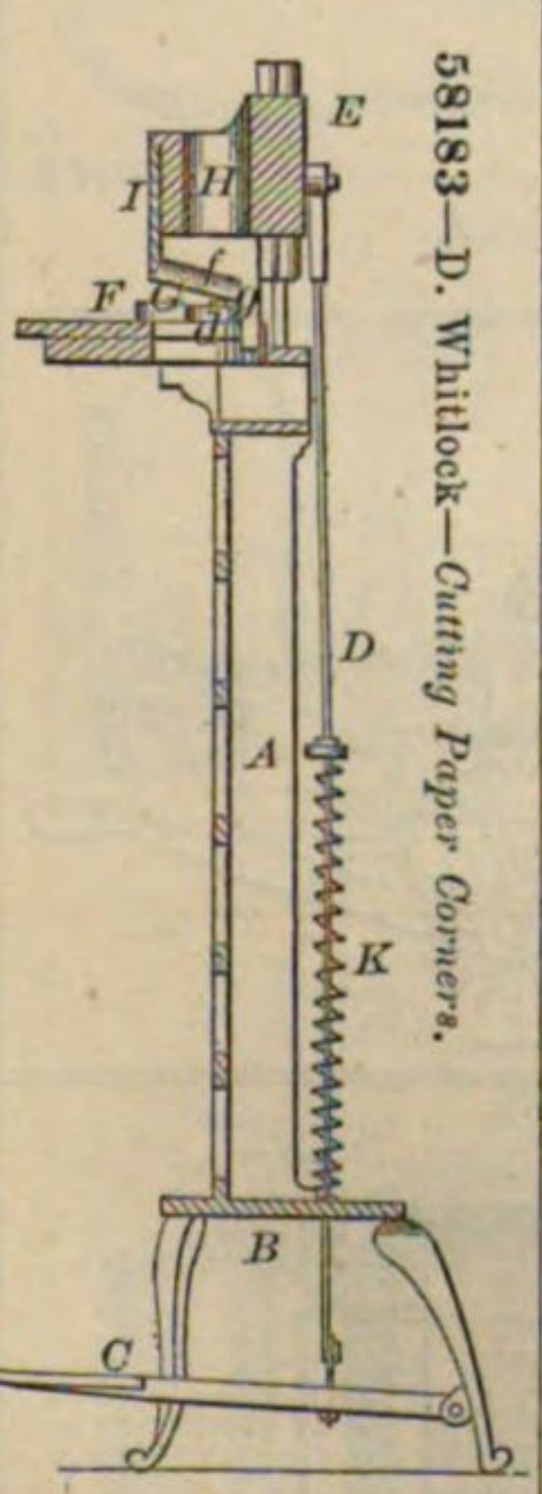
58182—S. M. Tyler—*Sewing Machine Shuttle.*



58187—Ackland, Mitchell & Mustapha—*Cotton Gin.*

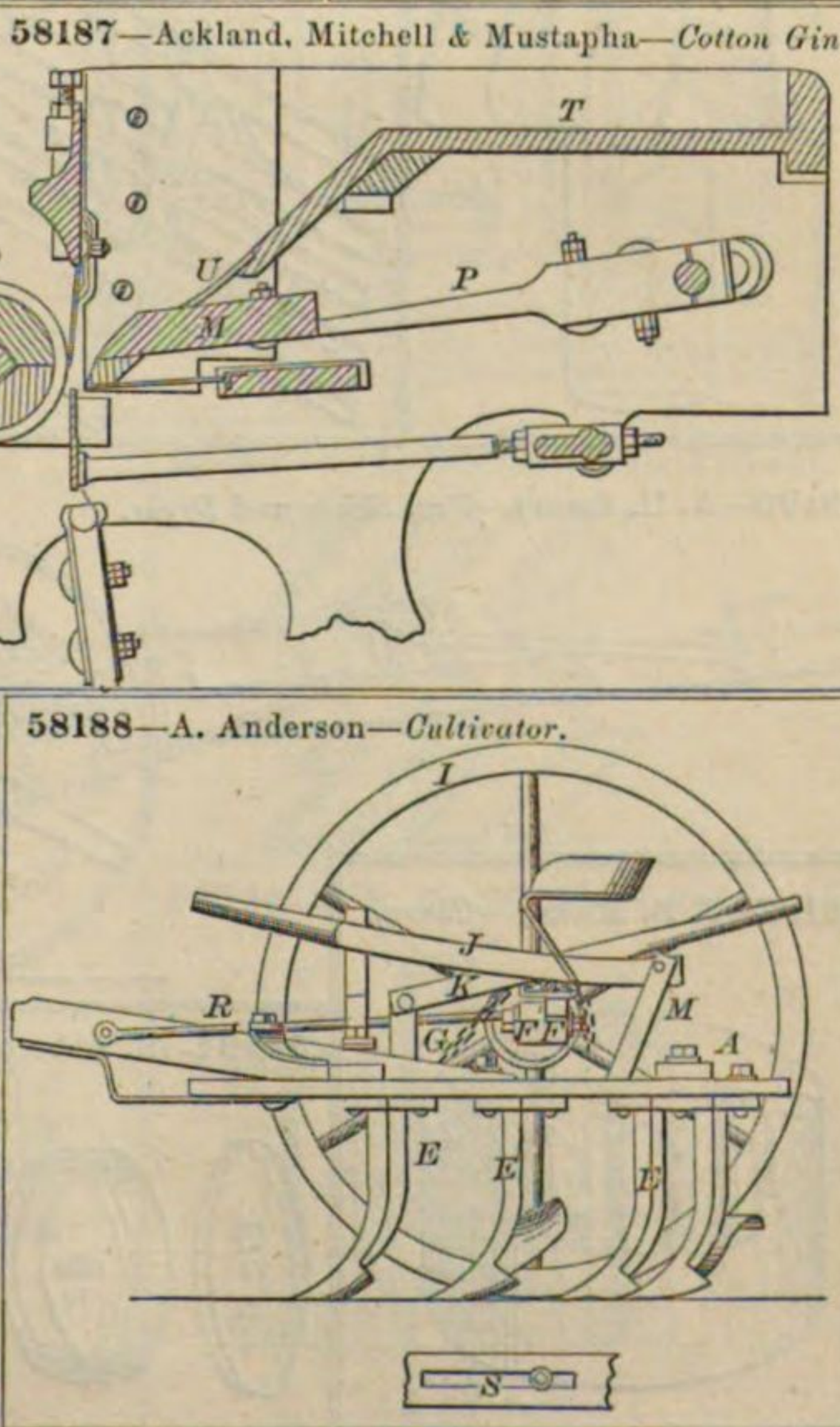


58183—D. Whitlock—*Cutting Paper Corners.*

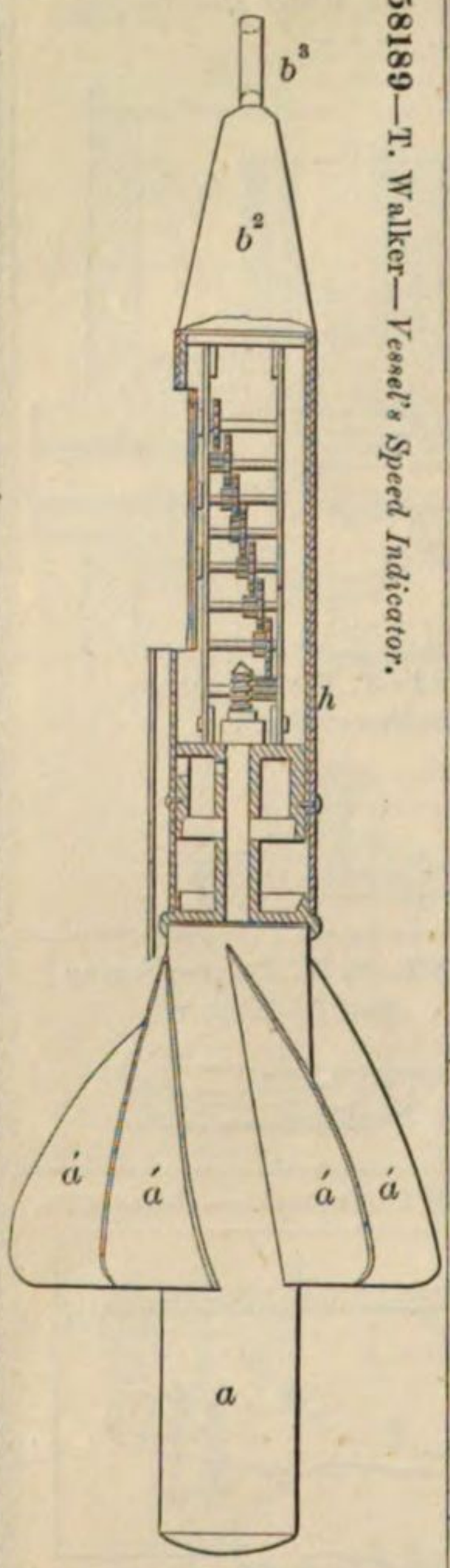


58186—E. Bourquard—*Teeth Cutter.*

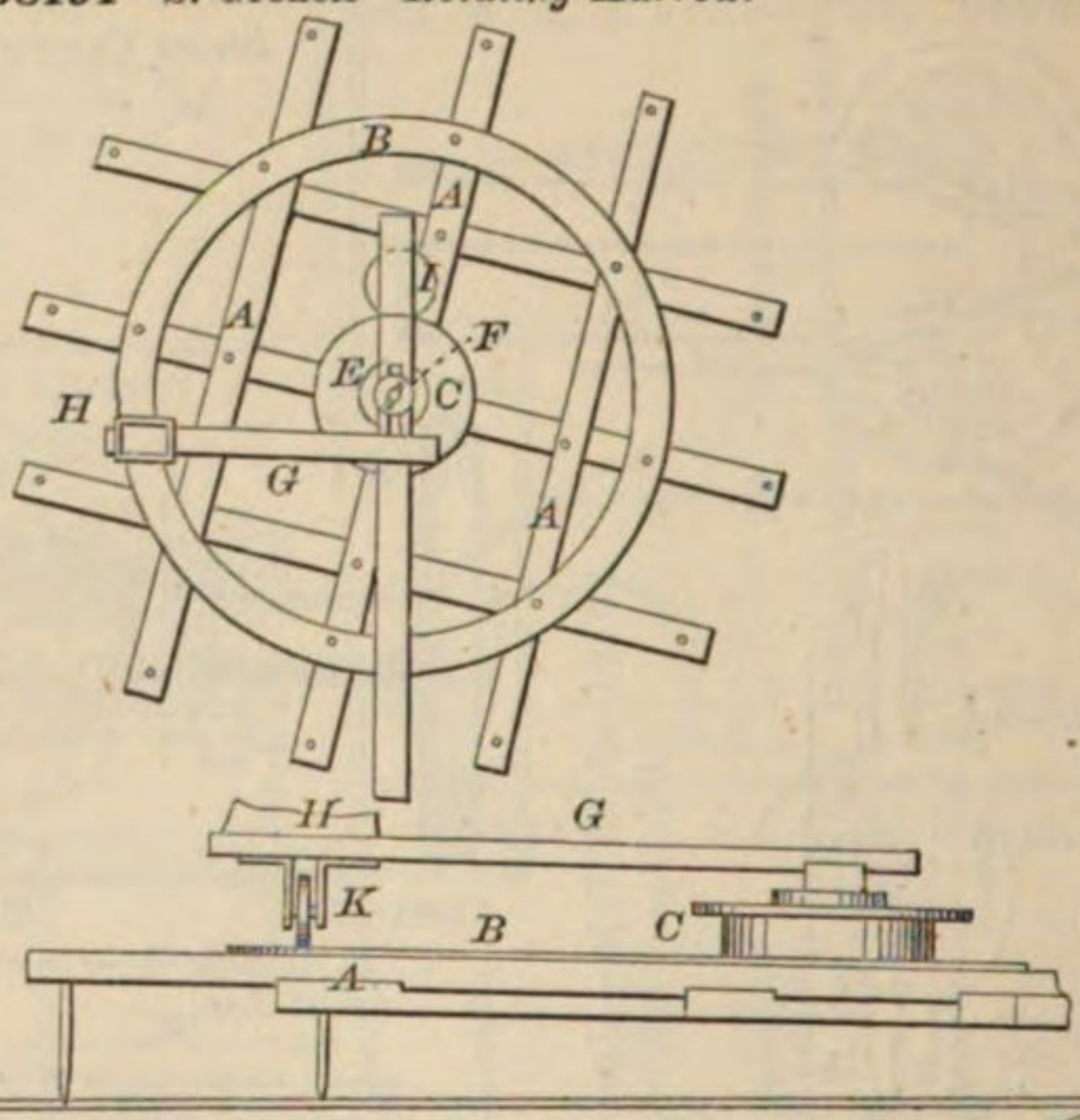
58188—A. Anderson—*Cultivator.*



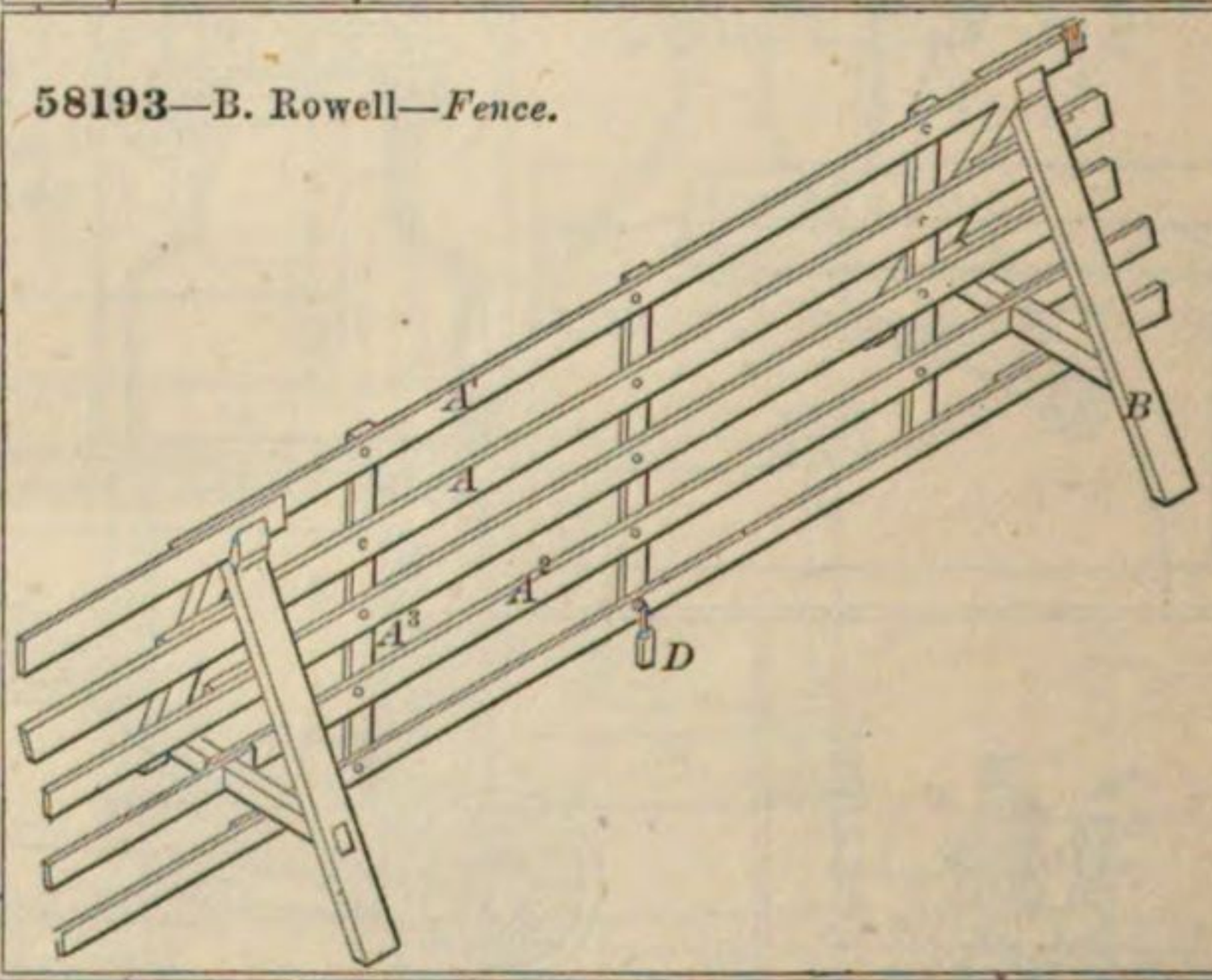
58189—T. Walker—*Vessel's Speed Indicator.*



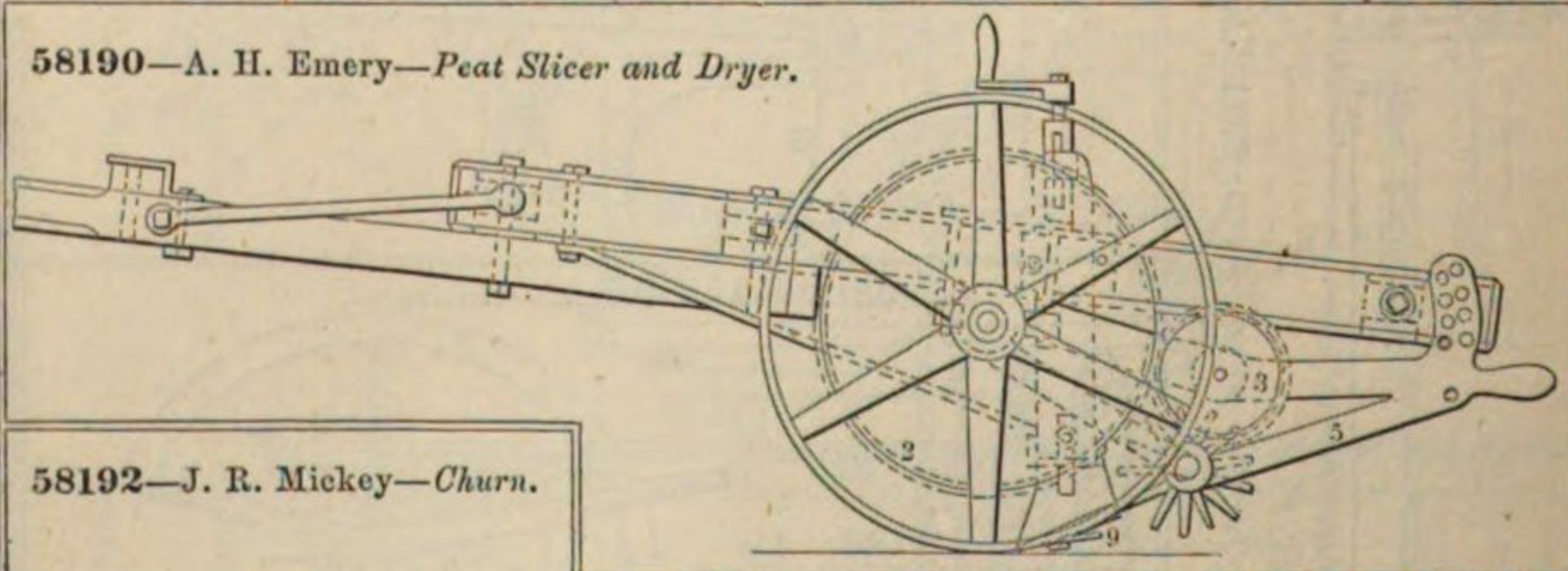
58191—S. Grenell—*Rotating Harrow.*



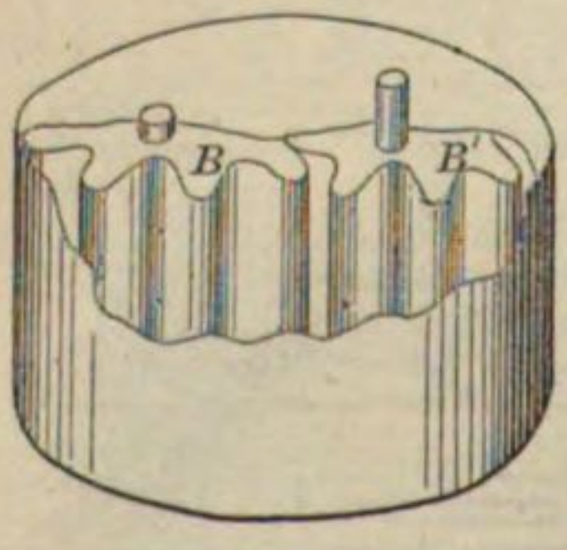
58193—B. Rowell—*Fence.*



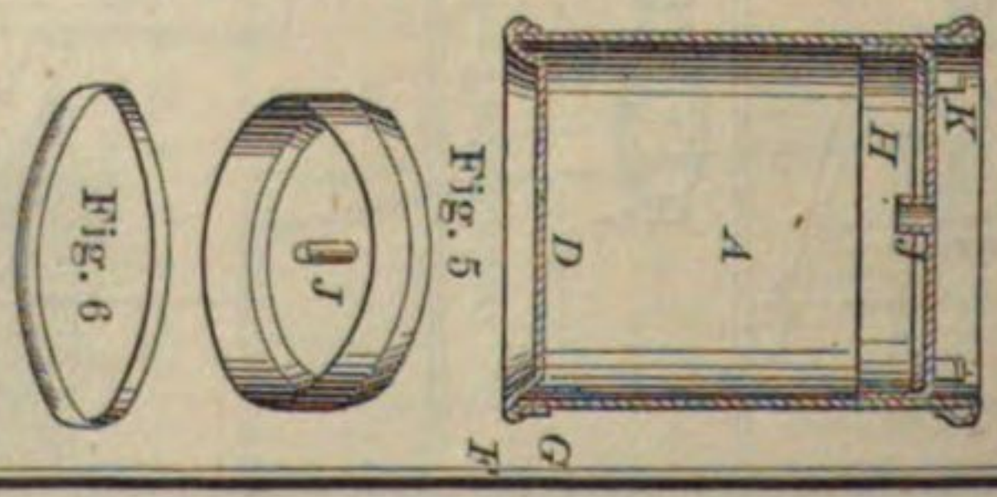
58190—A. H. Emery—*Peat Slicer and Dryer.*



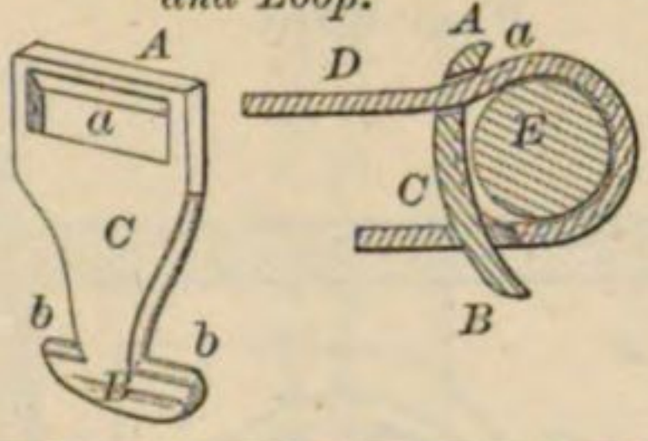
58192—J. R. Mickey—*Churn.*



58194—E. Abbott—*Milk Can.*

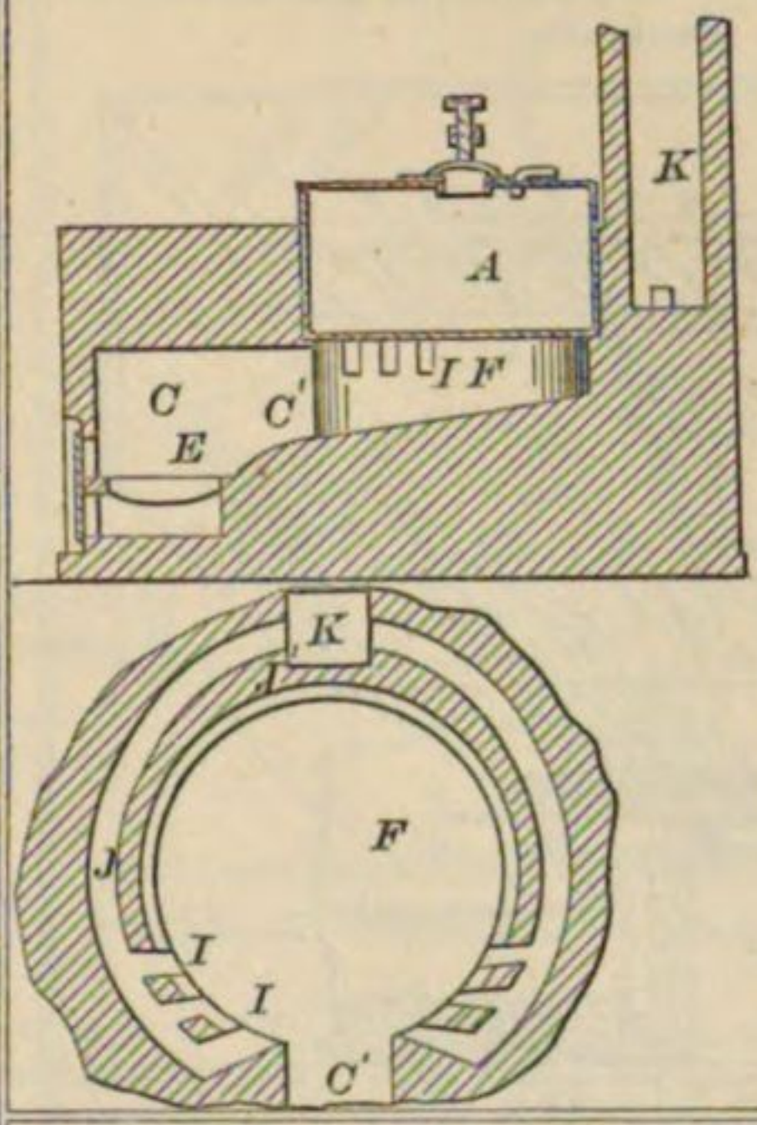


58195—J. Albert—*Trace Button and Loop.*

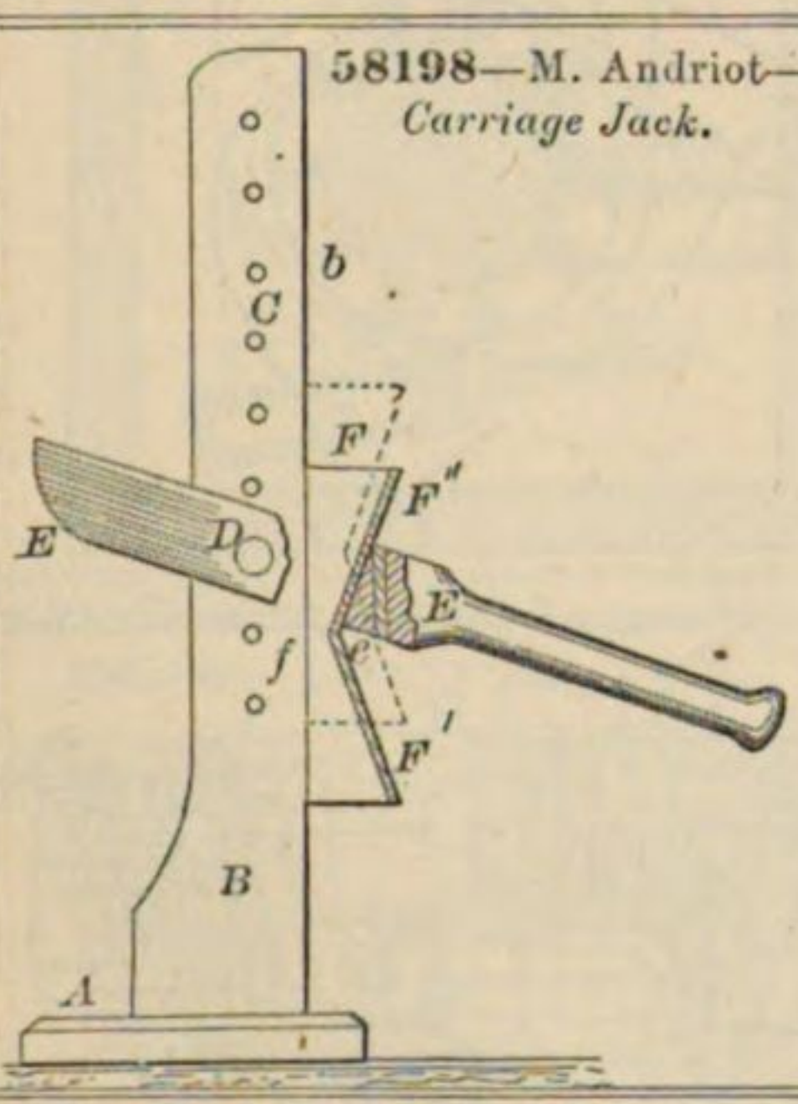


58196—E. G. Allen—*Railway Frog.*

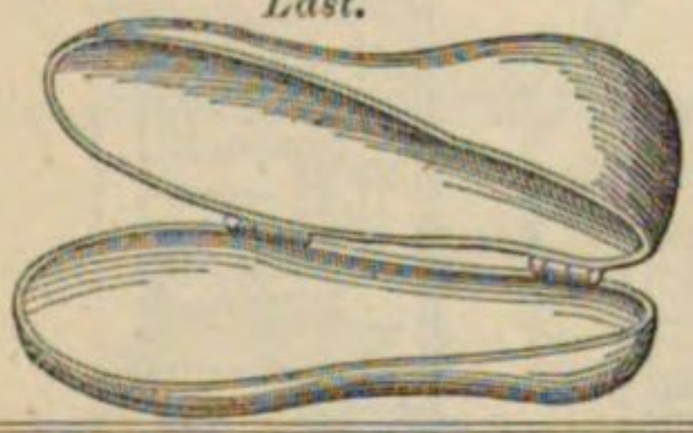
58197—S. Andrews—*Distilling Oil.*



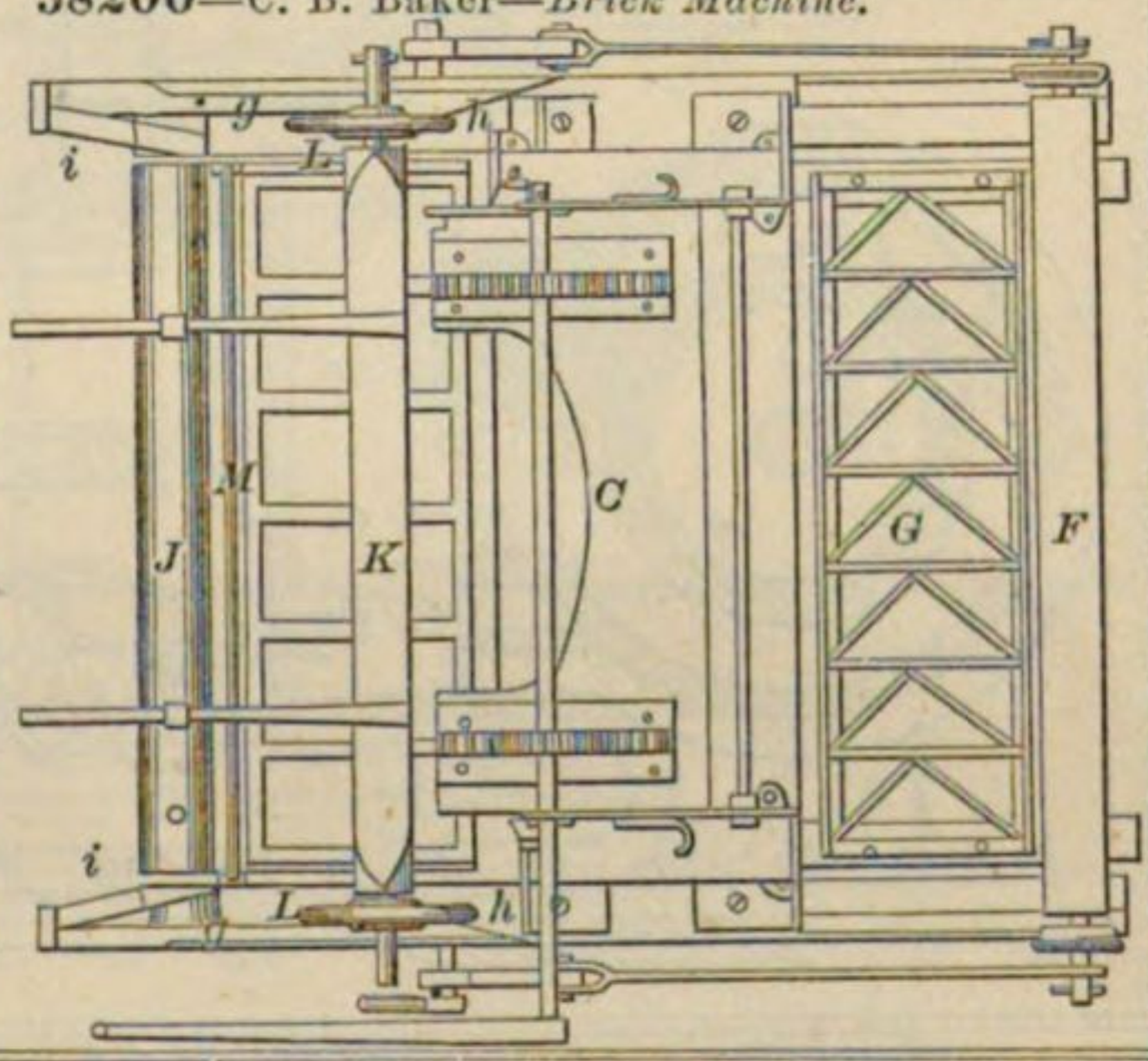
58198—M. Andriot—*Carriage Jack.*



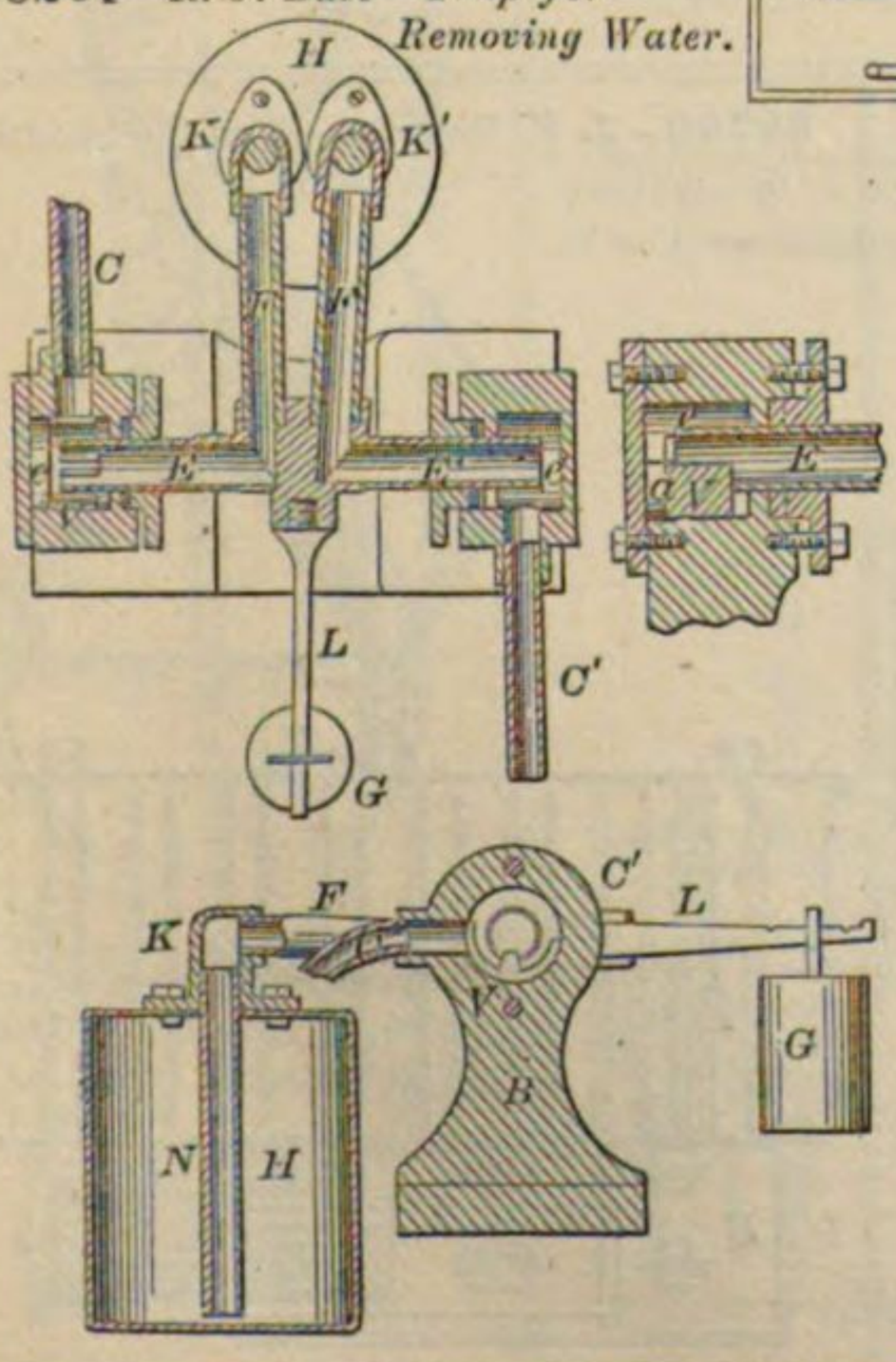
58199—G. H Babcock—*Darning Last.*



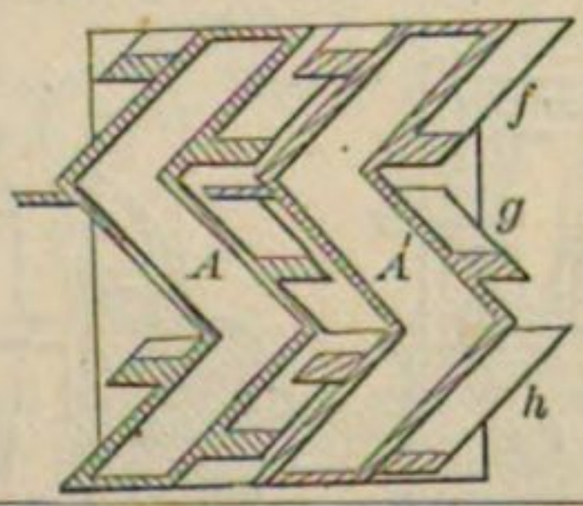
58200—C. B. Baker—*Brick Machine.*



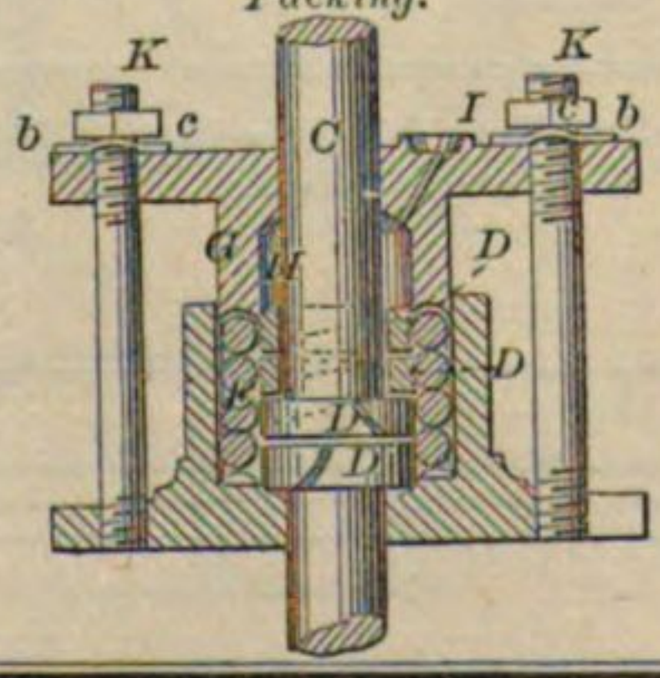
58201—R. J. Barr—*Trap for Removing Water.*



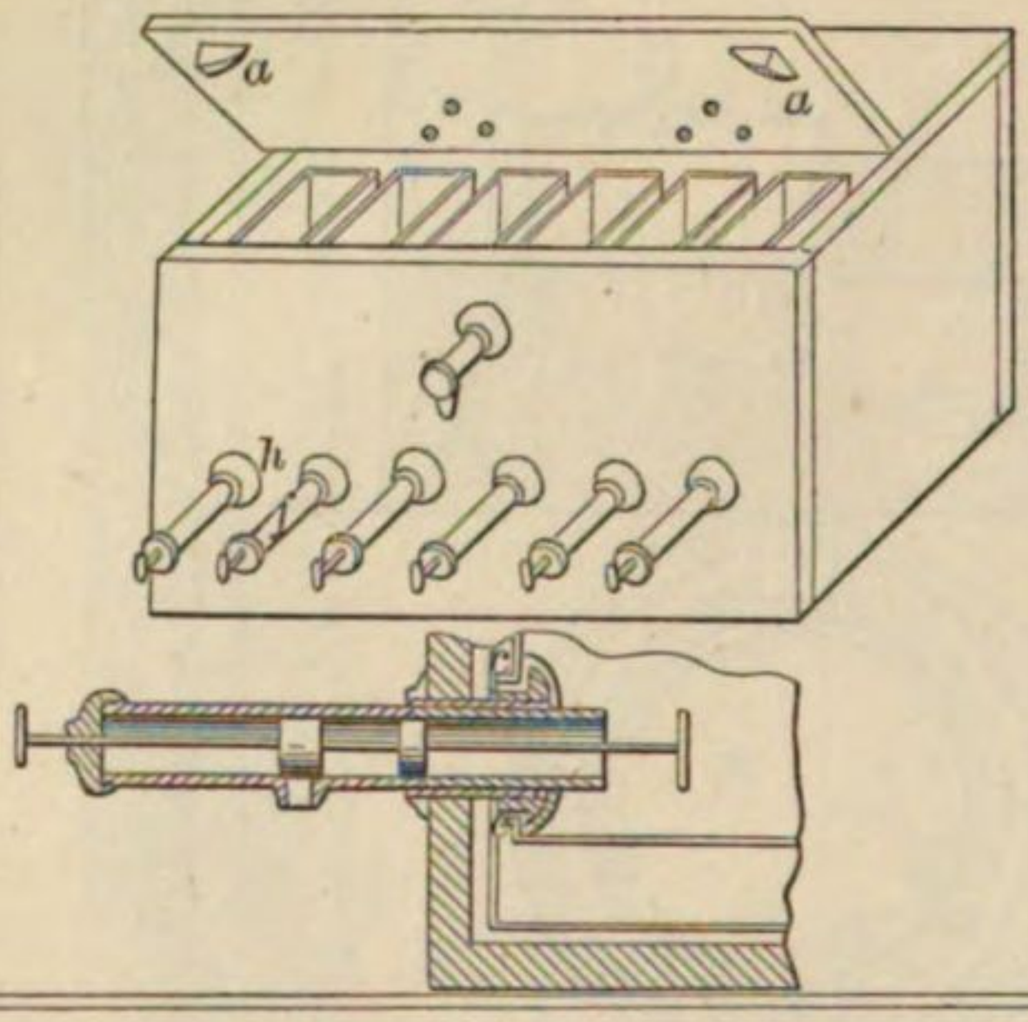
58202—T. B. Belfield—*Steam Radiator.*



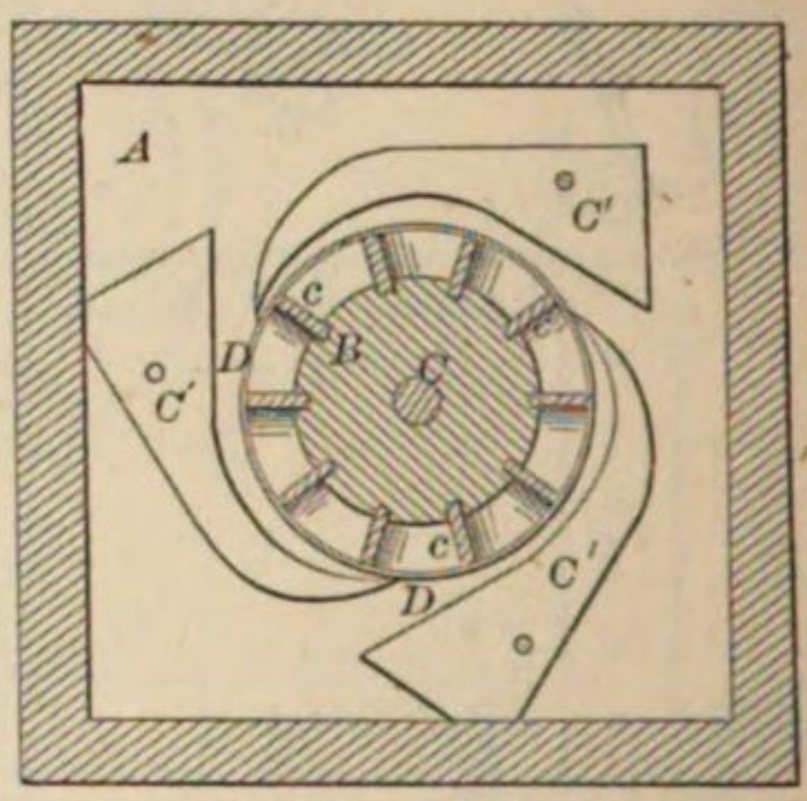
58204—C. P. Benoit—*Piston Rod Packing.*



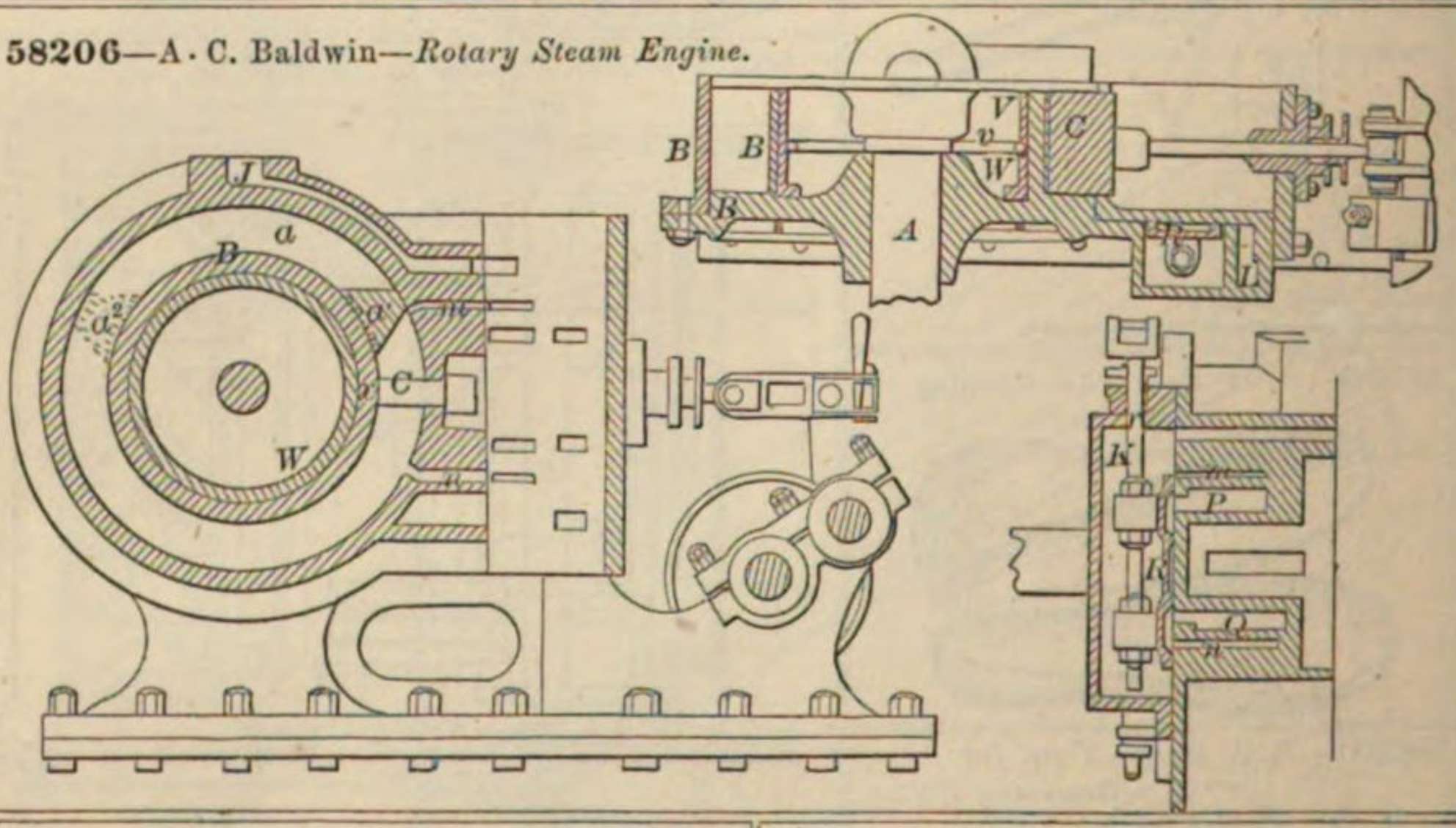
58205—E. Bigelow—*Syrup Stand and Soda Fountain.*



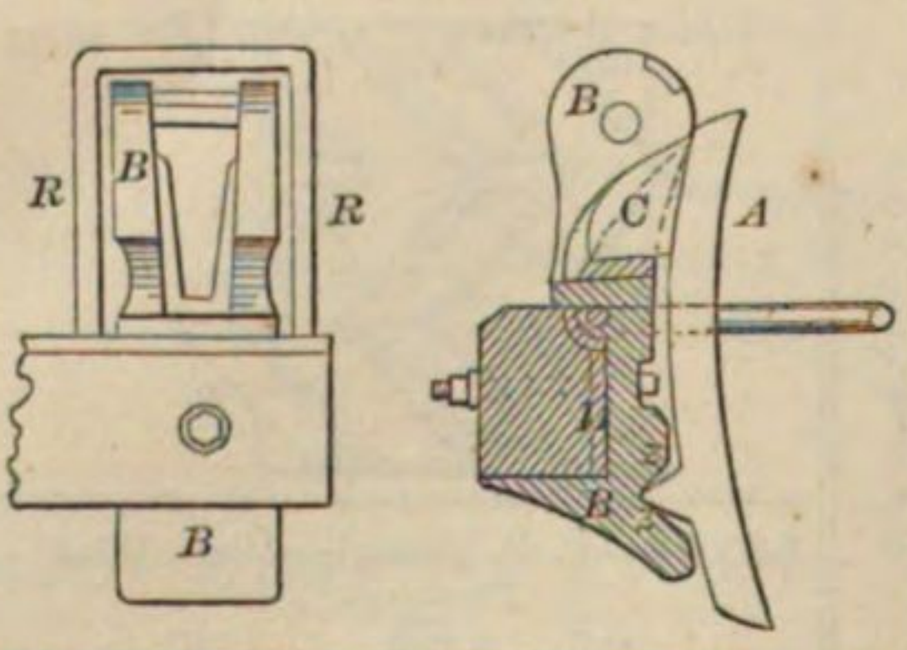
58208—Blackmer & Carpenter—*Water Wheel.*



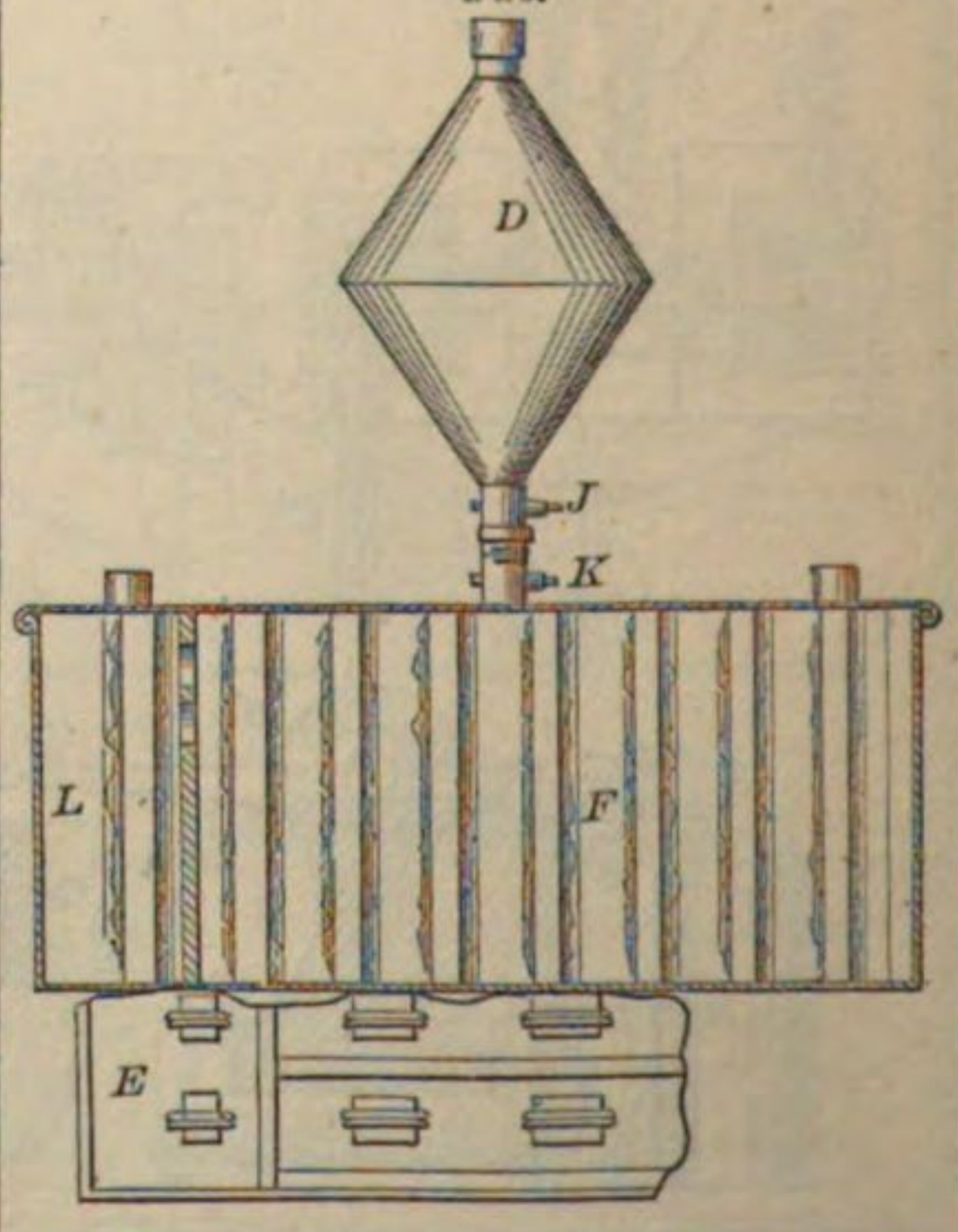
58206—A. C. Baldwin—*Rotary Steam Engine.*



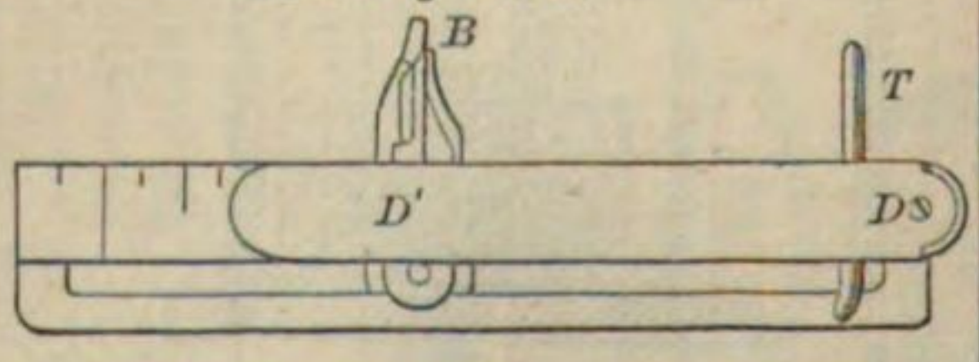
58207—J. Bing—*Car Brake Shoe.*



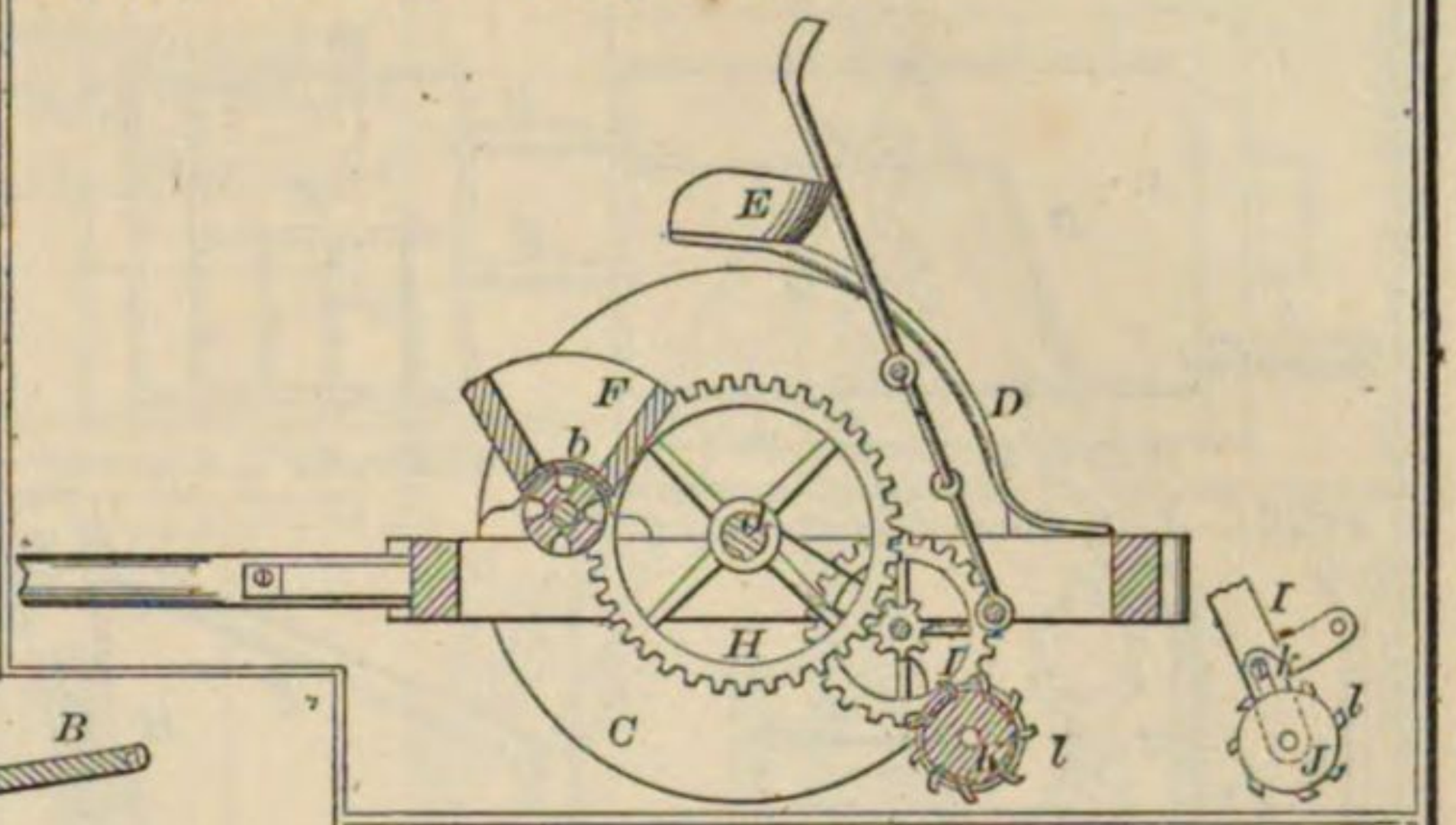
58209—J. F. Boynton—*For Carburetting Gas.*



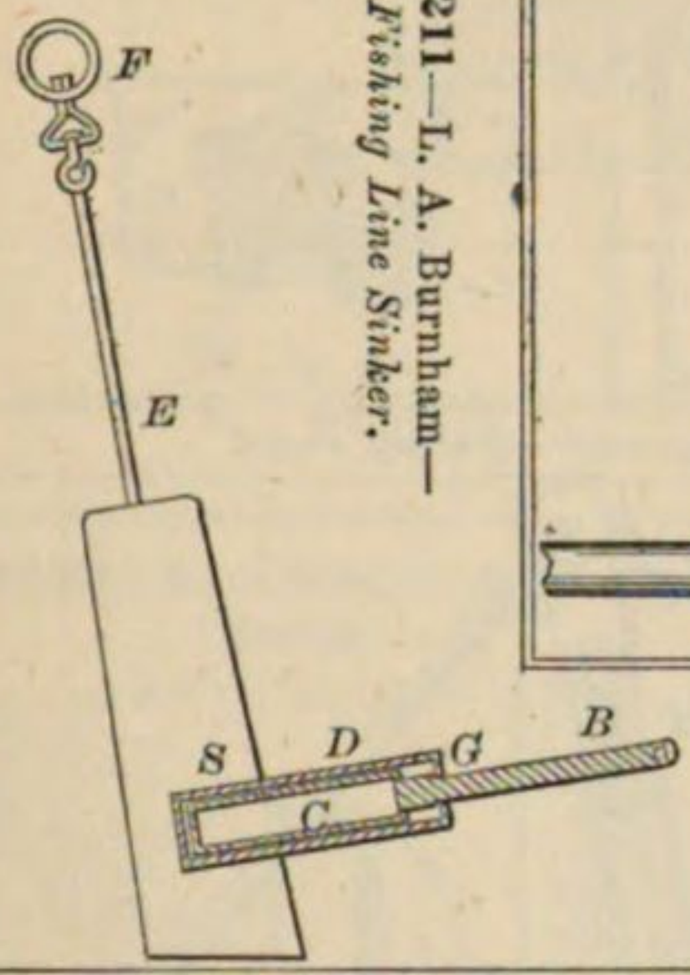
58210—Browning & Hard—*Sewing Machine Hemming Guide.*



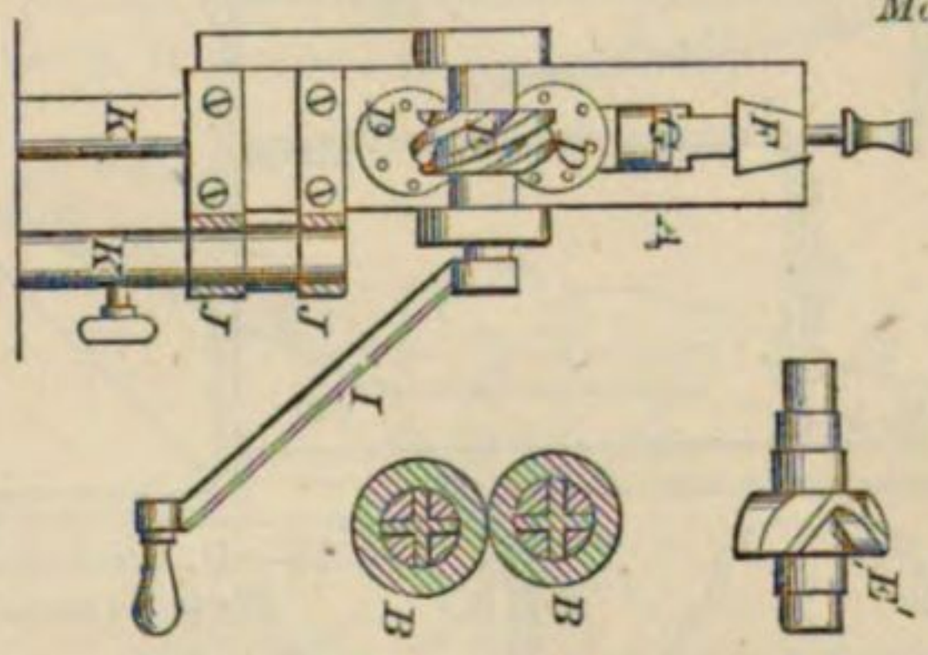
58214—J. M. Carr—*Seeding Machine, &c.*



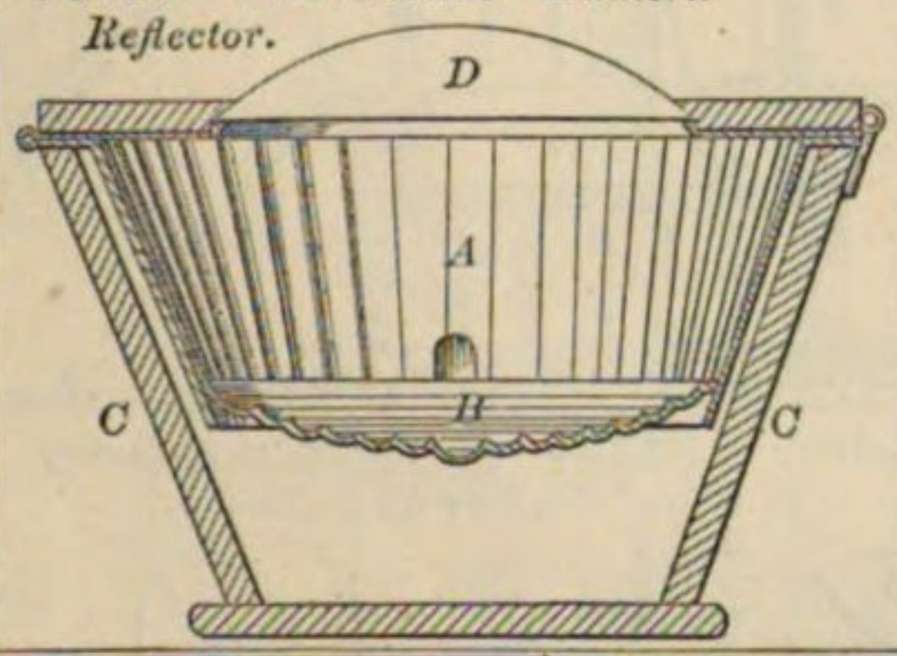
58211—L. A. Burnham—*Fishing Line Sinker.*



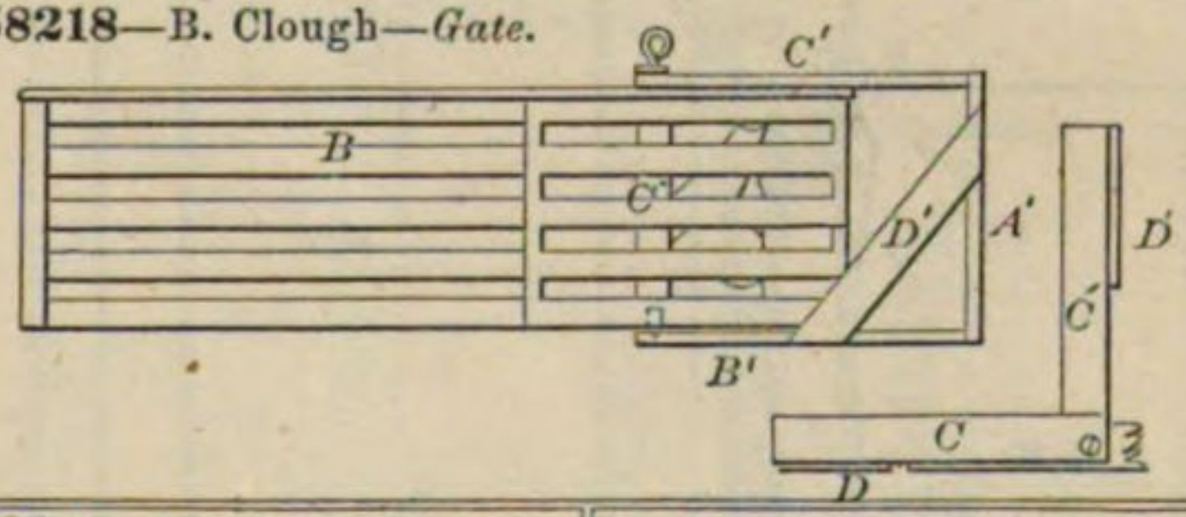
58215—E. Chesterman—*Wringer and Washing Machine.*



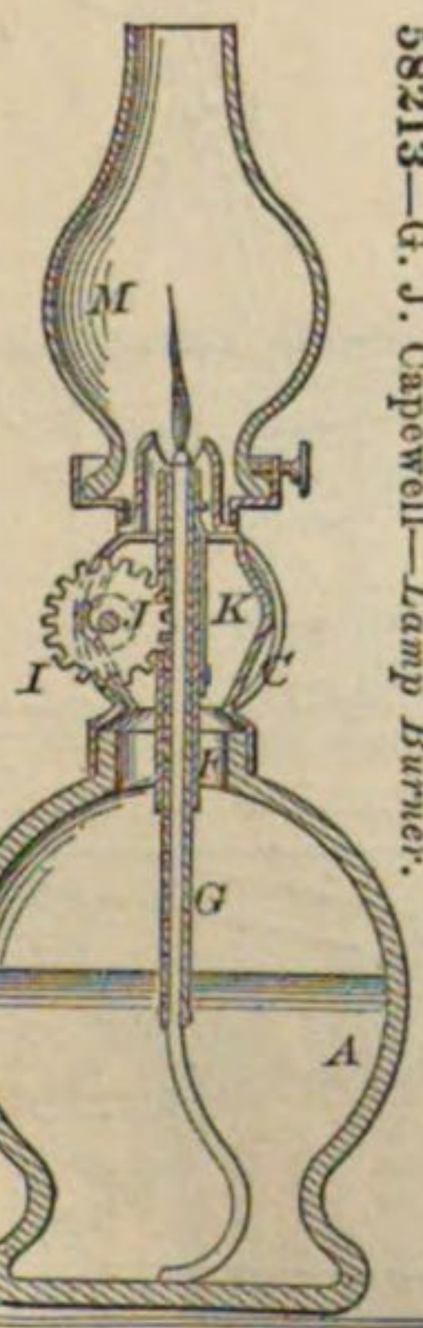
58212—W. A. Butler—*Lantern Reflector.*



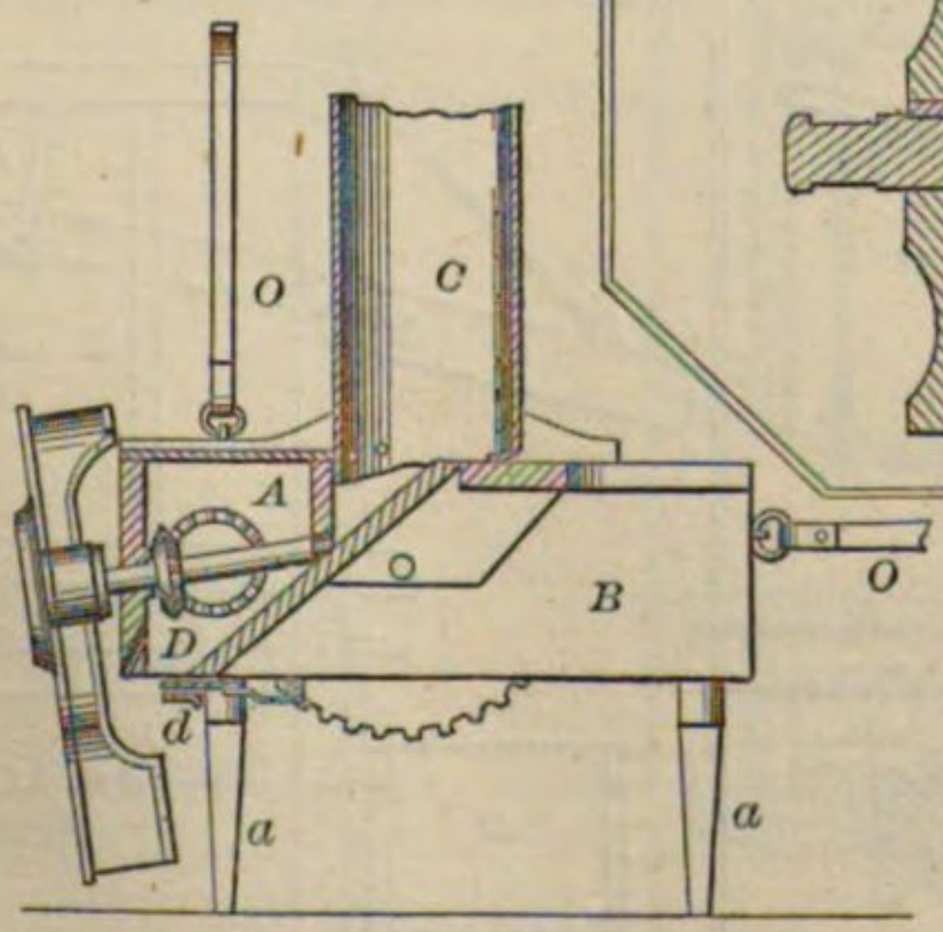
58218—B. Clough—*Gate.*



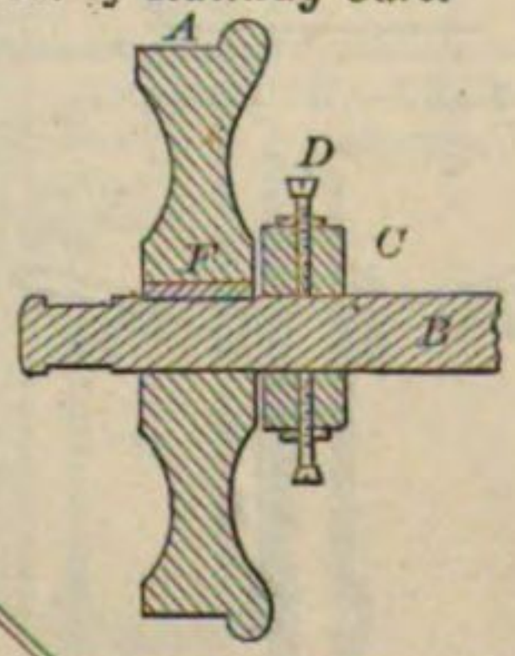
58213—G. J. Capewell—*Lamp Burner.*



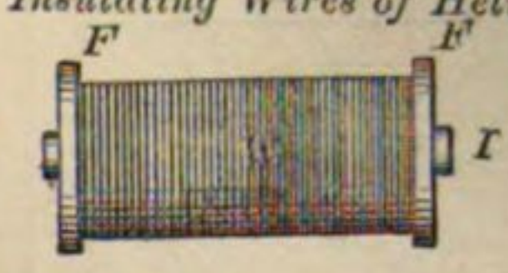
58219—W S. Coffman—*Broadcast Seeding Machine.*



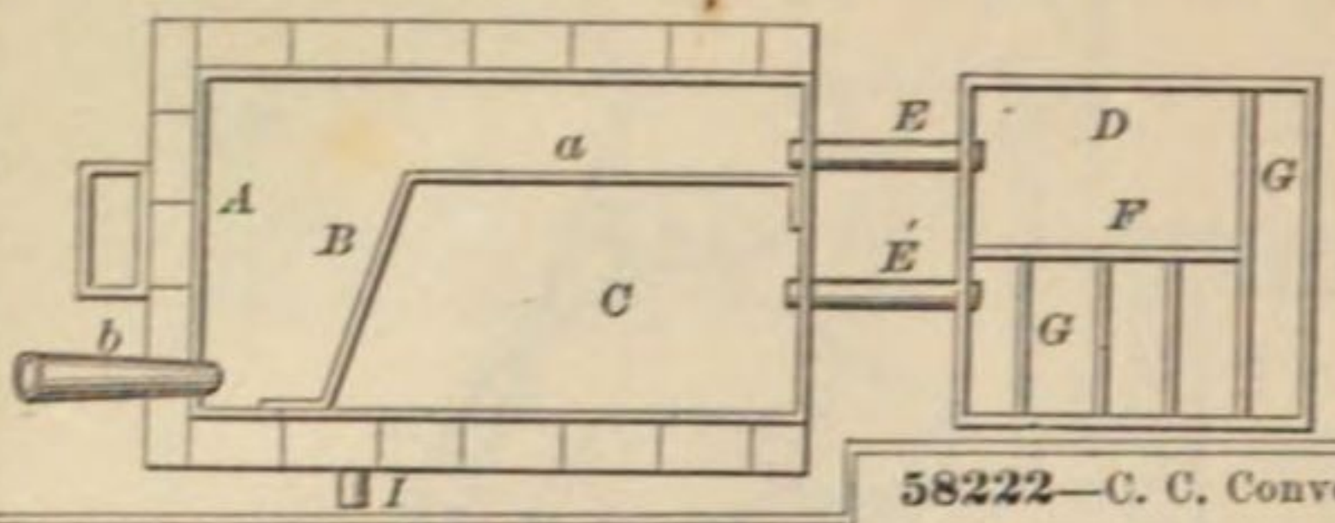
58216—S. B. Childs—*Running Gear of Railway Cars.*



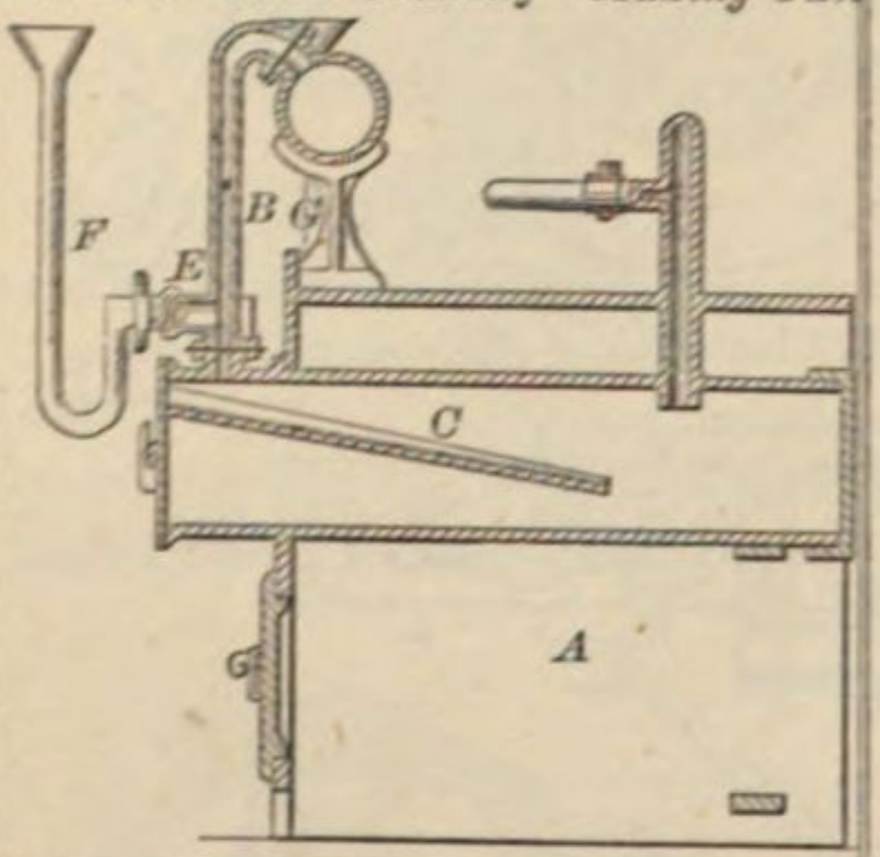
58217—Clark & Splitdorf—*Insulating Wires of Helices.*



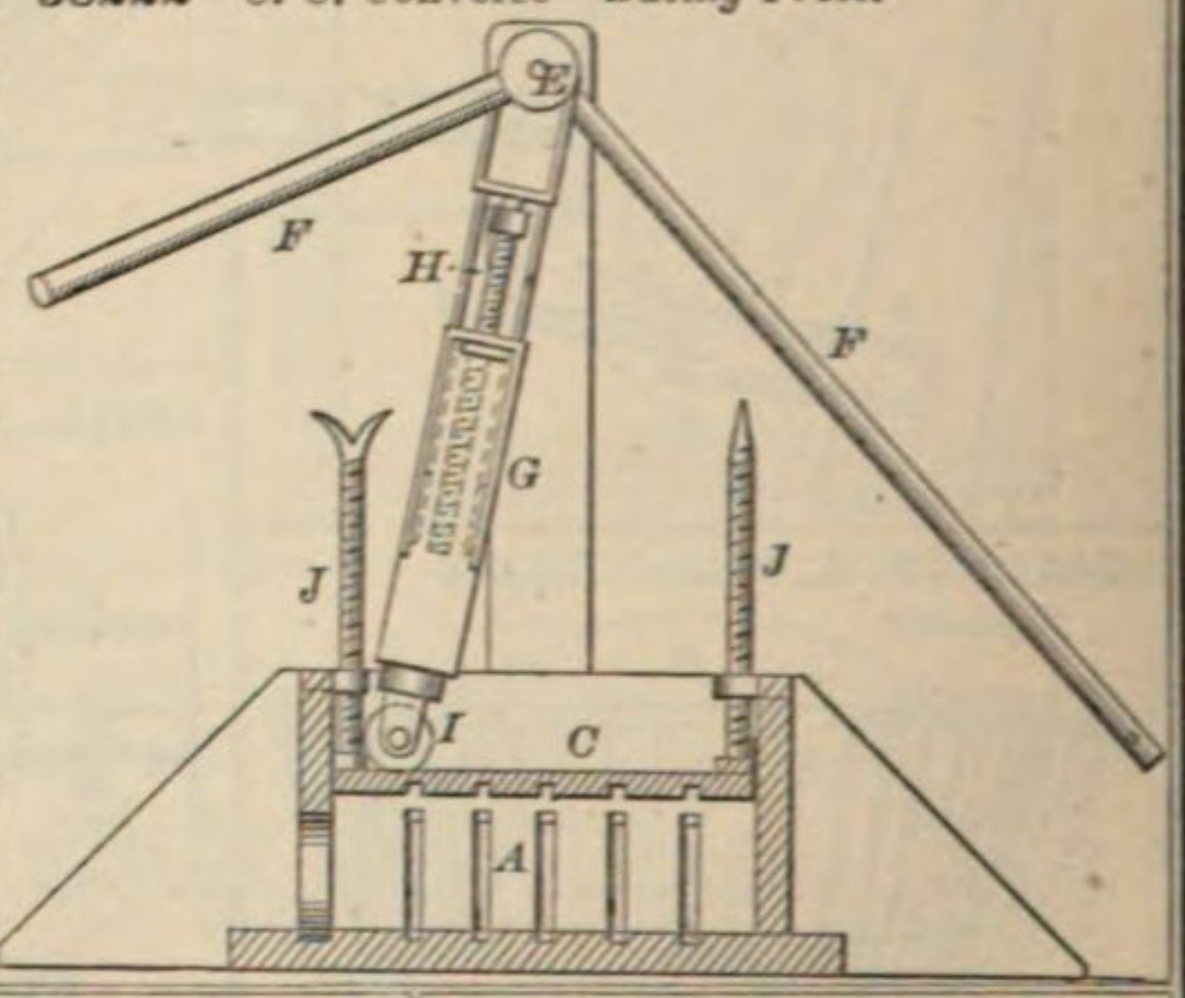
58220—T. Cole—*Sorghum Evaporator.*



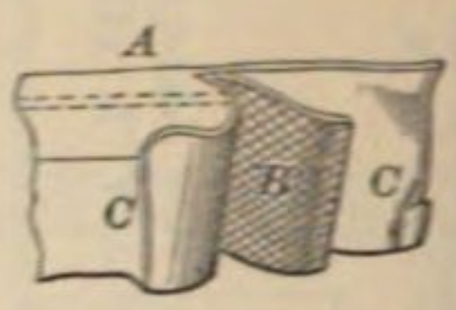
58221—J. H. Connelly—*Making Gas.*



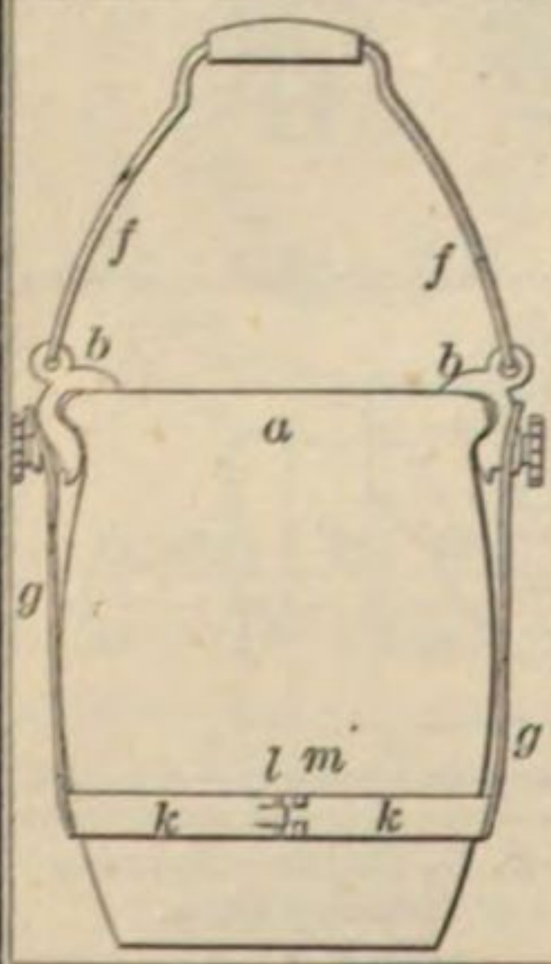
58222—C. C. Converse—*Baling Press.*



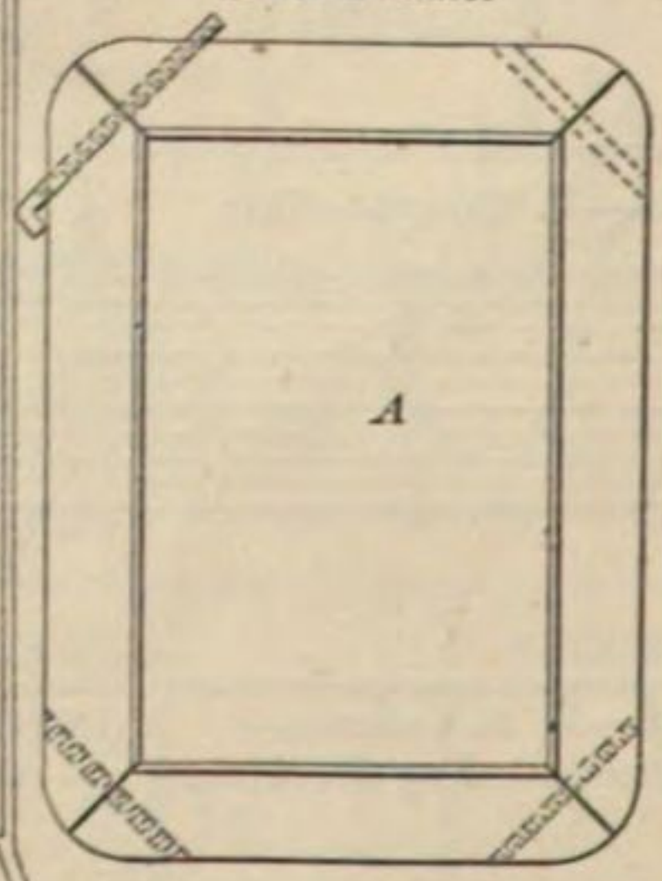
58223—L. M. Crane—*Paper Collar.*



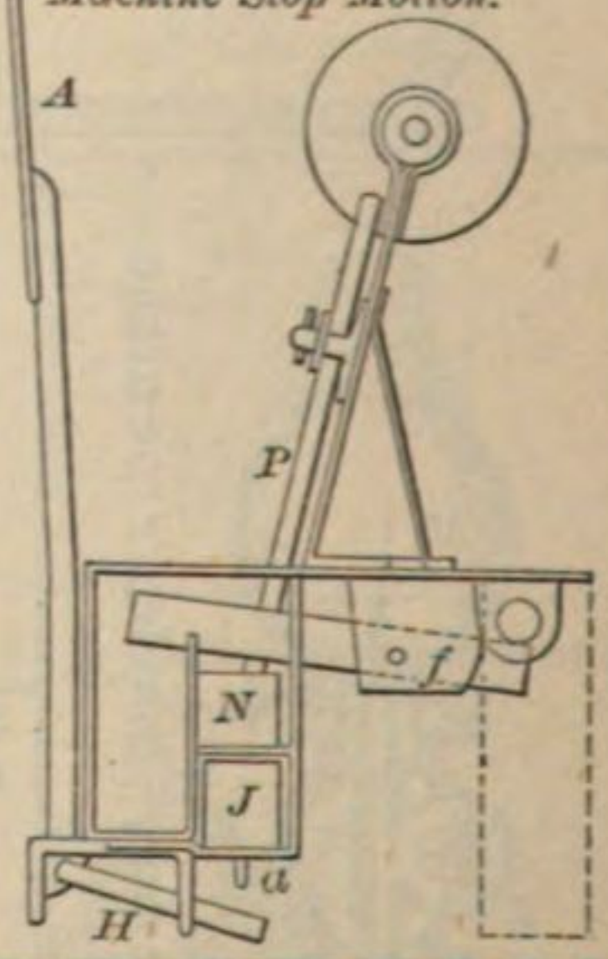
58224—A. D. Crocker—*Kettle Bail.*



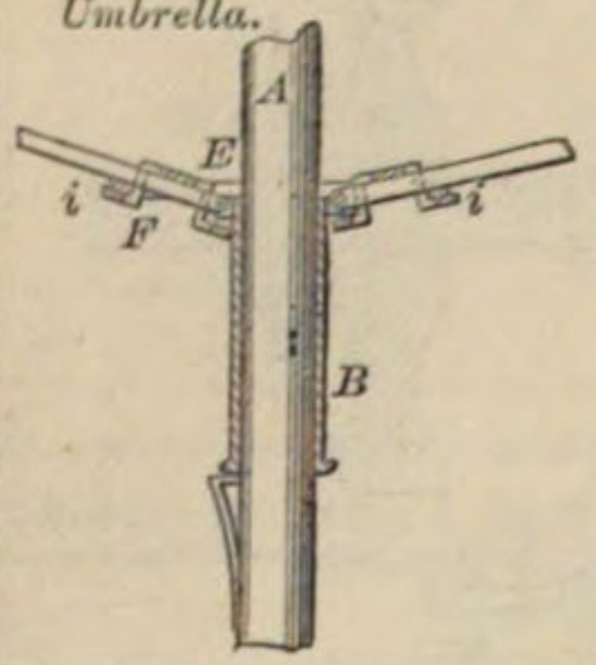
58225—D. Cumming, Jr.—*Slate Frame.*



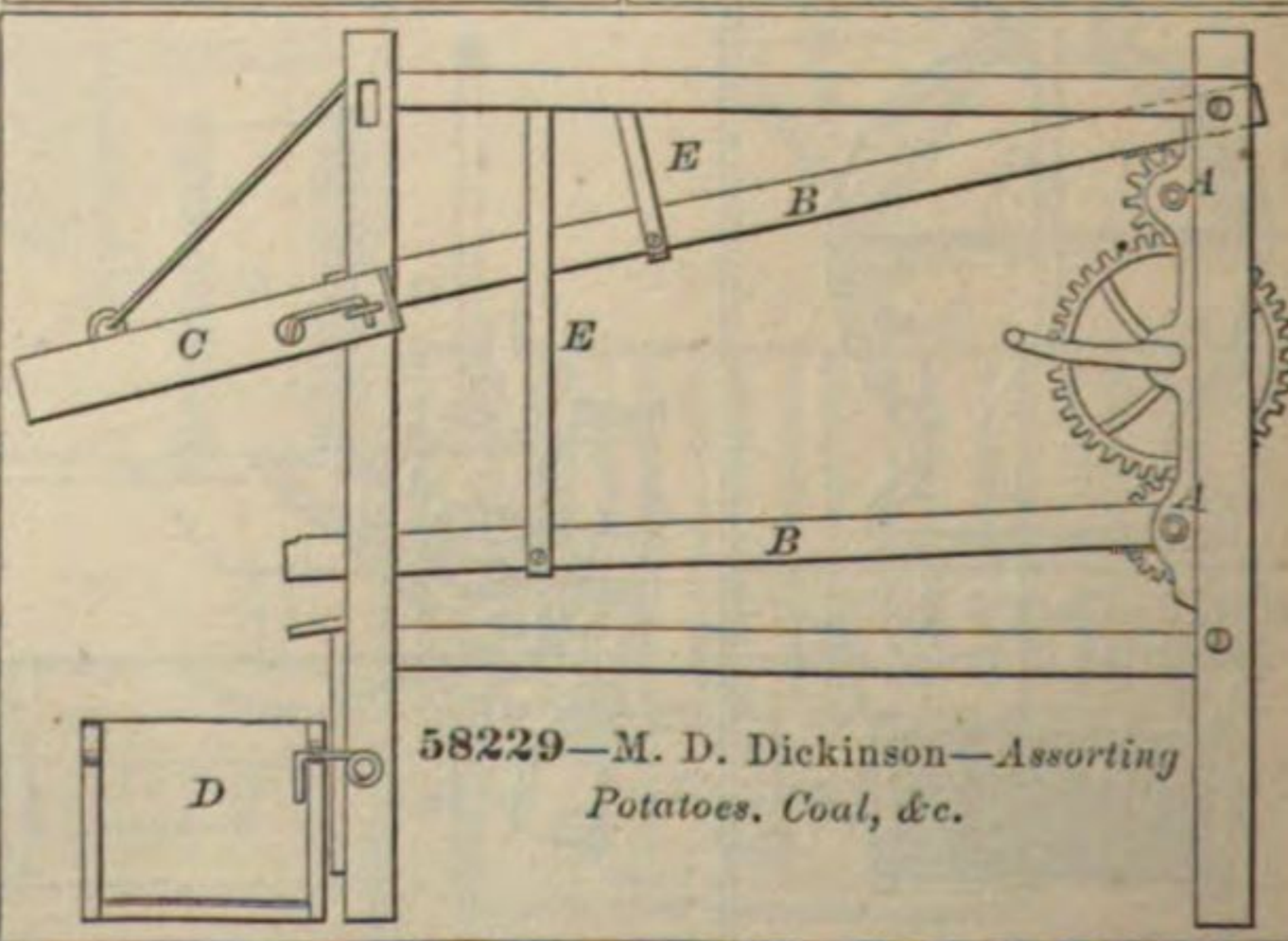
58226—L. Cutting—*Spinning Machine Stop Motion.*



58227—W. Damerel—*Umbrella.*

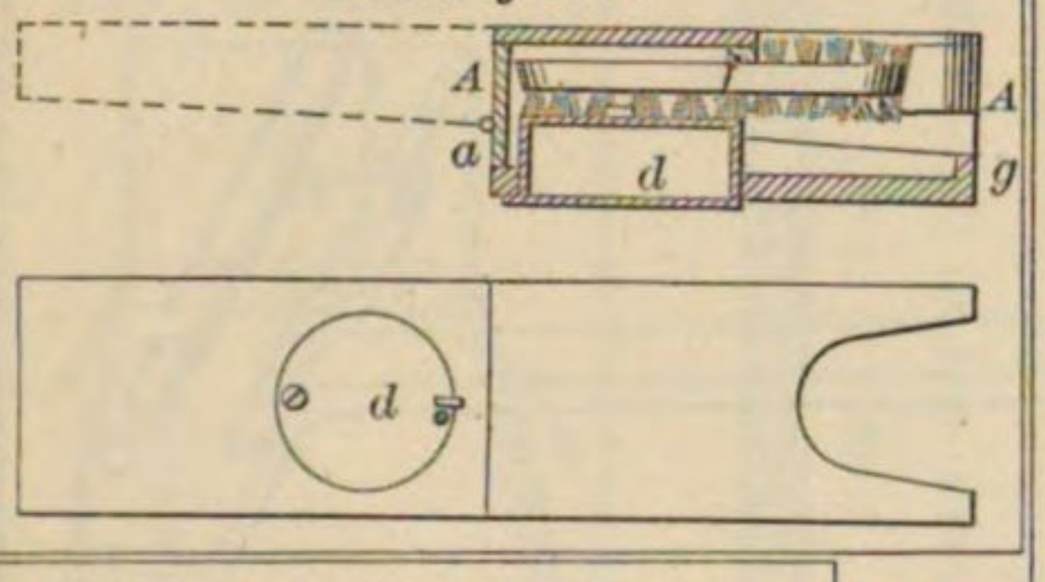


58228—F. Danzenbaker—*Churn.*

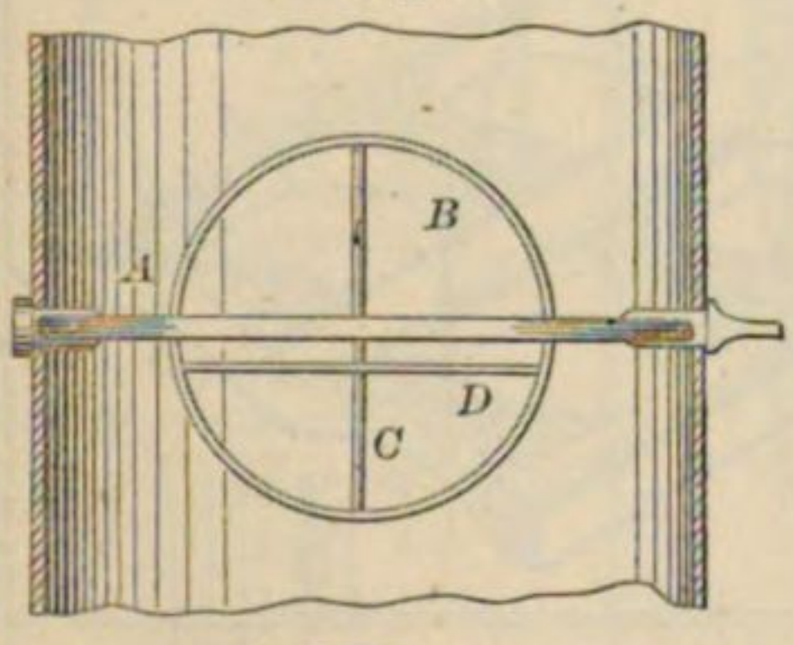


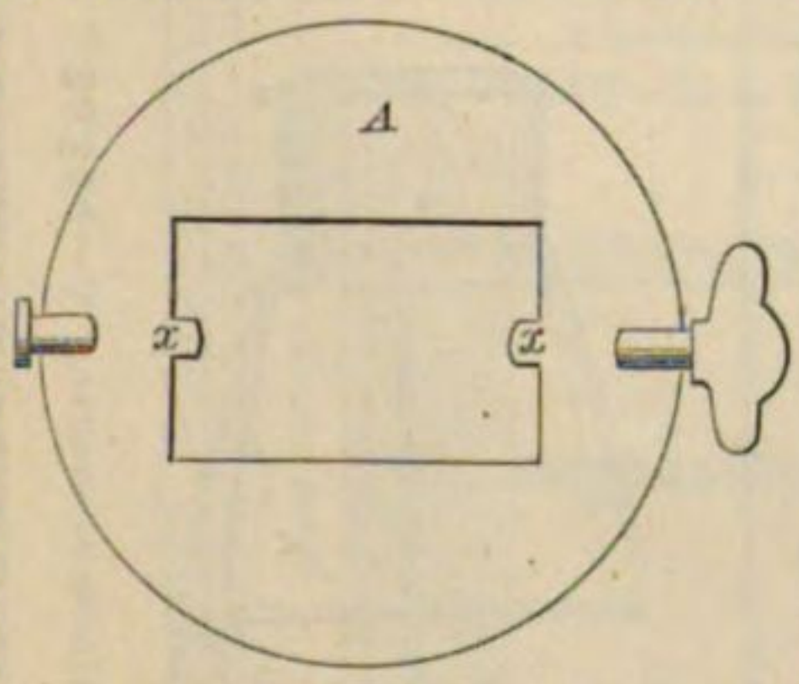
58229—M. D. Dickinson—*Assorting Potatoes, Coal, &c.*

58230—B. Douglas—*Boot Jack and Blacking Case.*

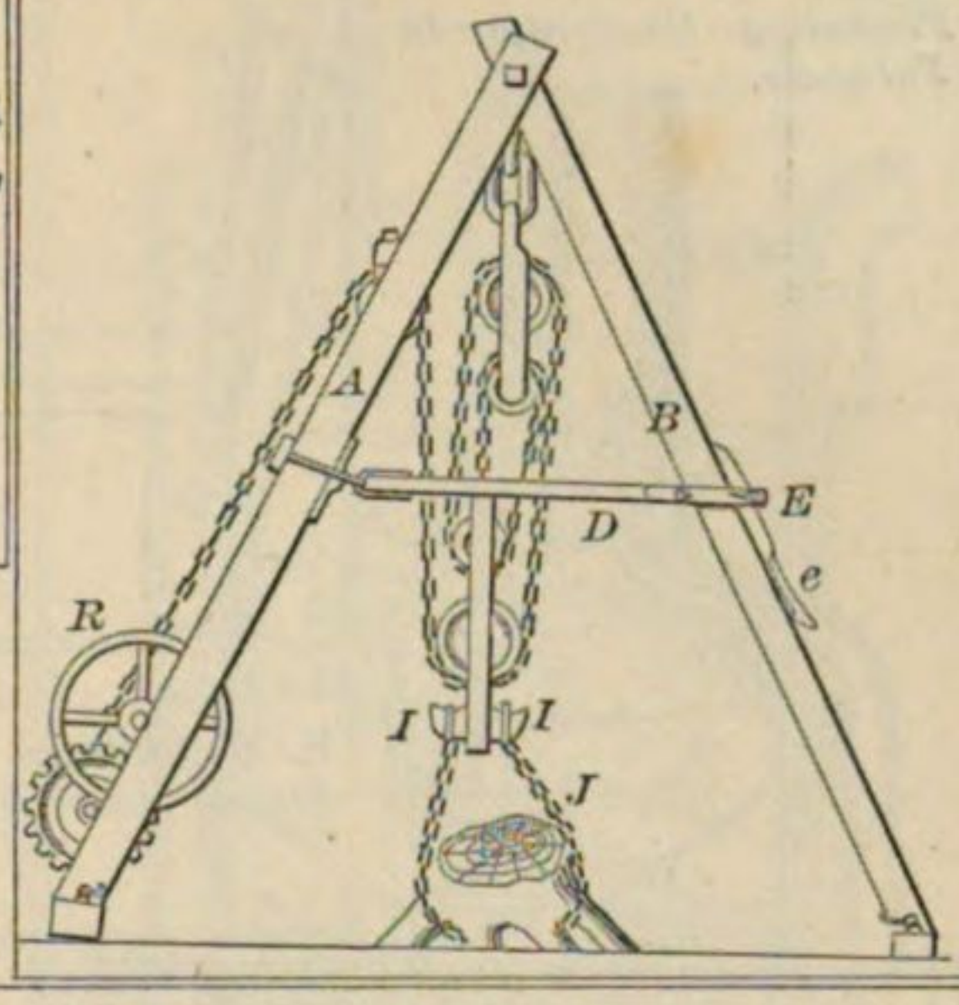


58233—N. J. Eldred—*Stove Pipe Damper.*

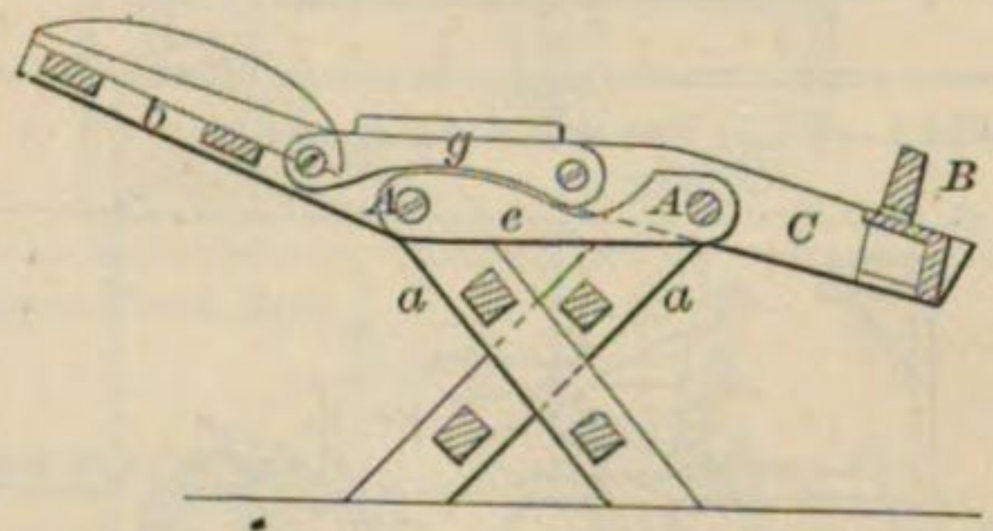




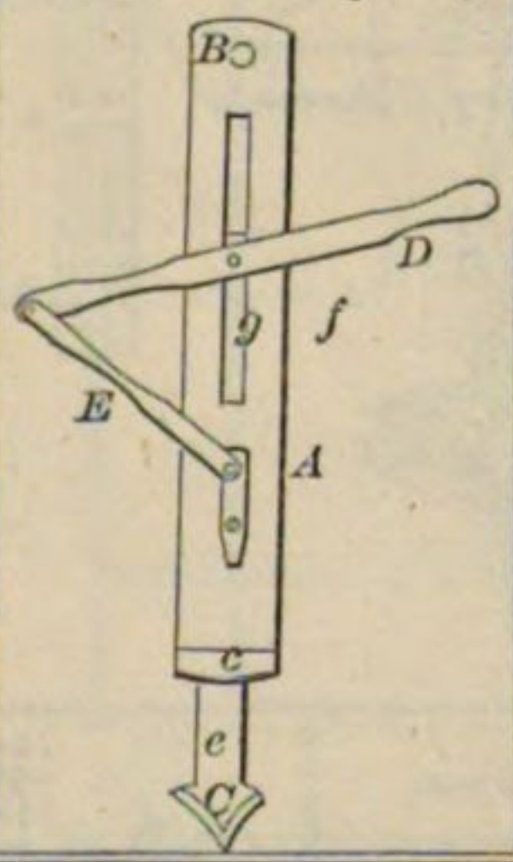
58235—L. C. English—*Stump Extractor.*



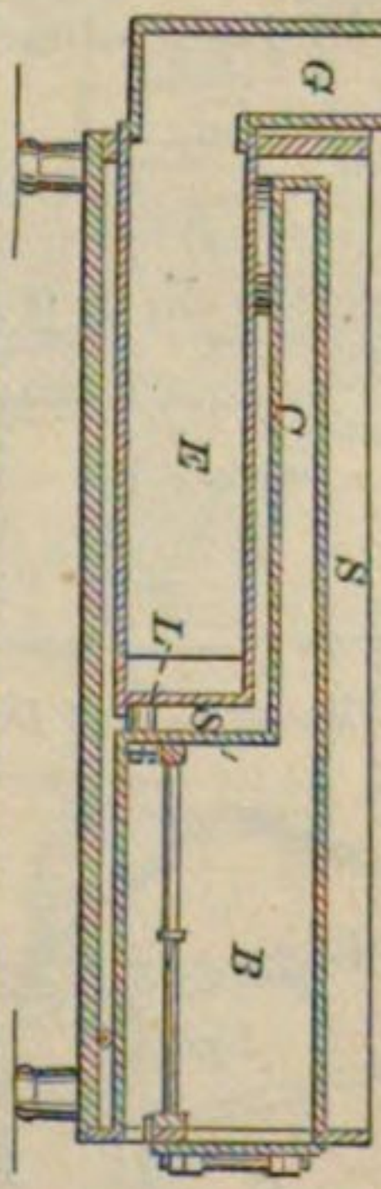
58231—J. B. Duane—*Reclining Chair.*

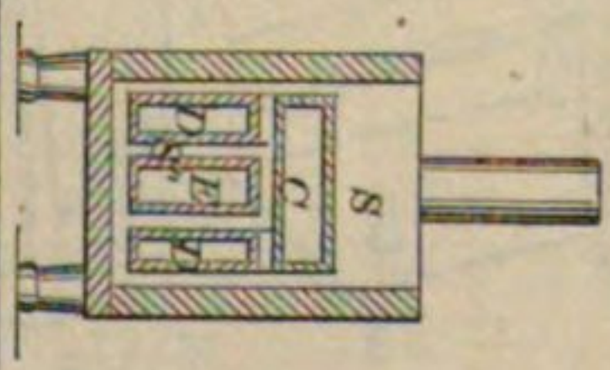


58237—D. Fasig—*Straw and Hay Knife.*

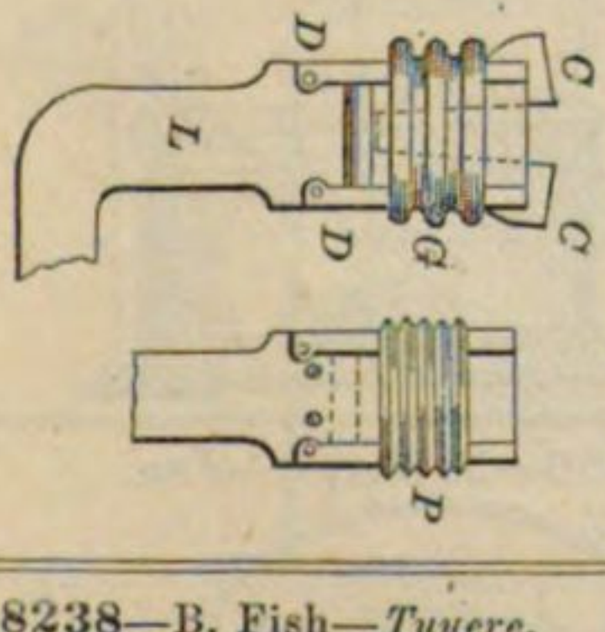


58236—Farquhar & Doan—*Evaporator.*

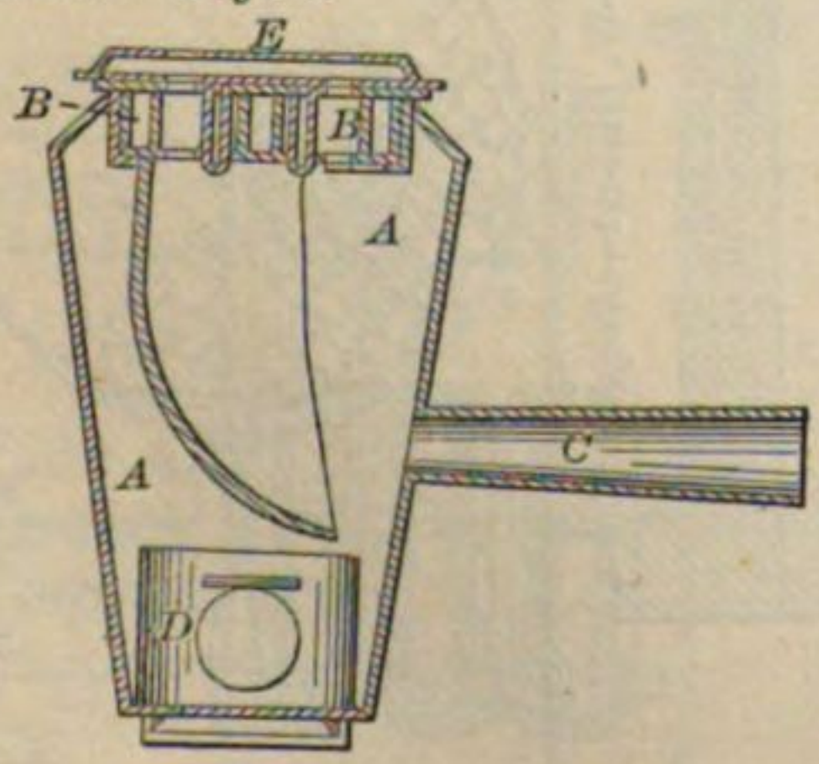




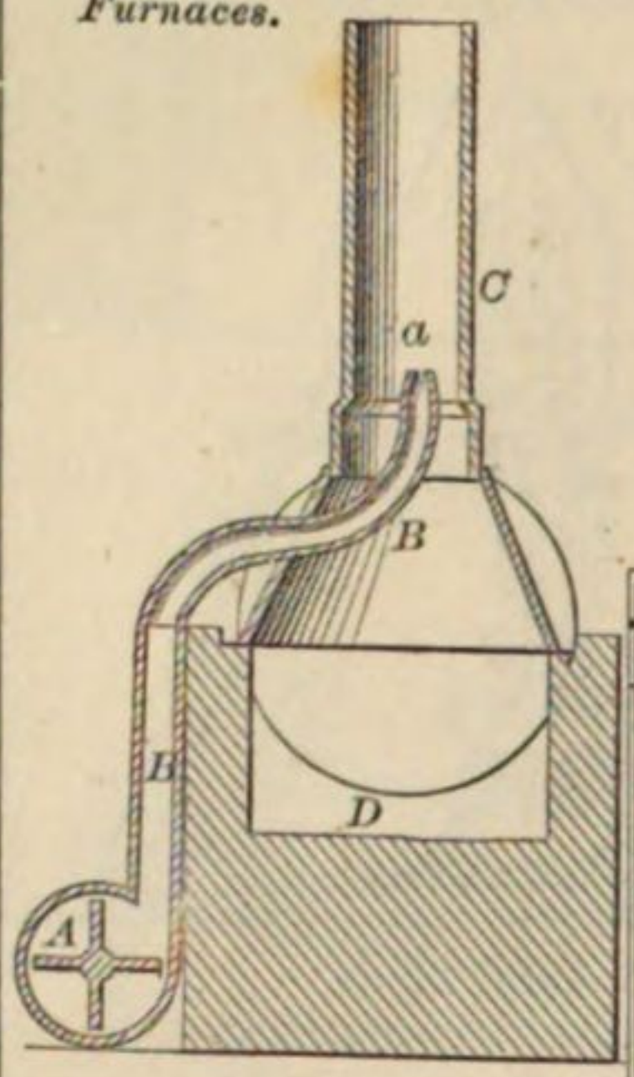
58234—O. Ellsworth—*Bit Stock.*



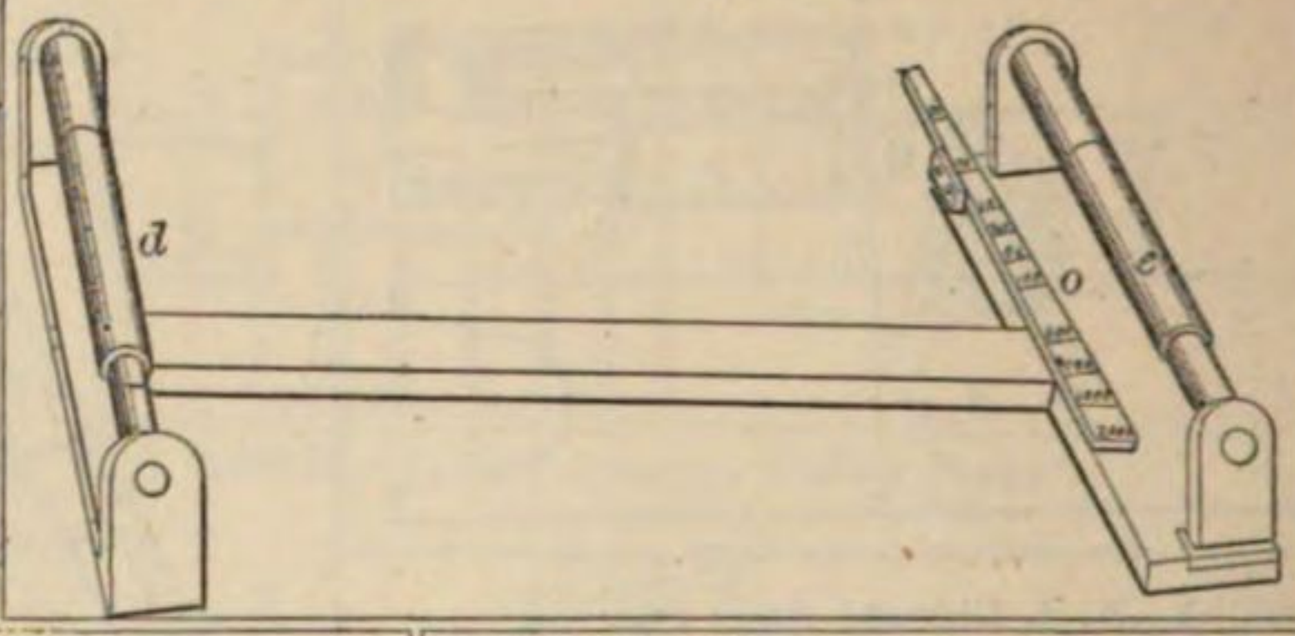
58238—B. Fish—*Tuyere.*



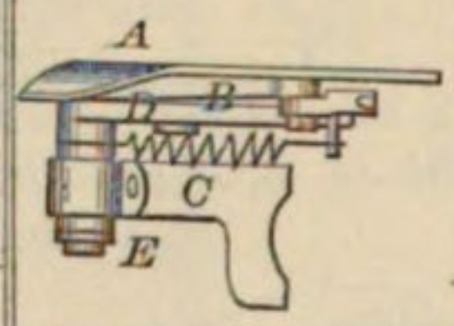
58239—C. Fisher—*For Promoting Combustion in Furnaces.*



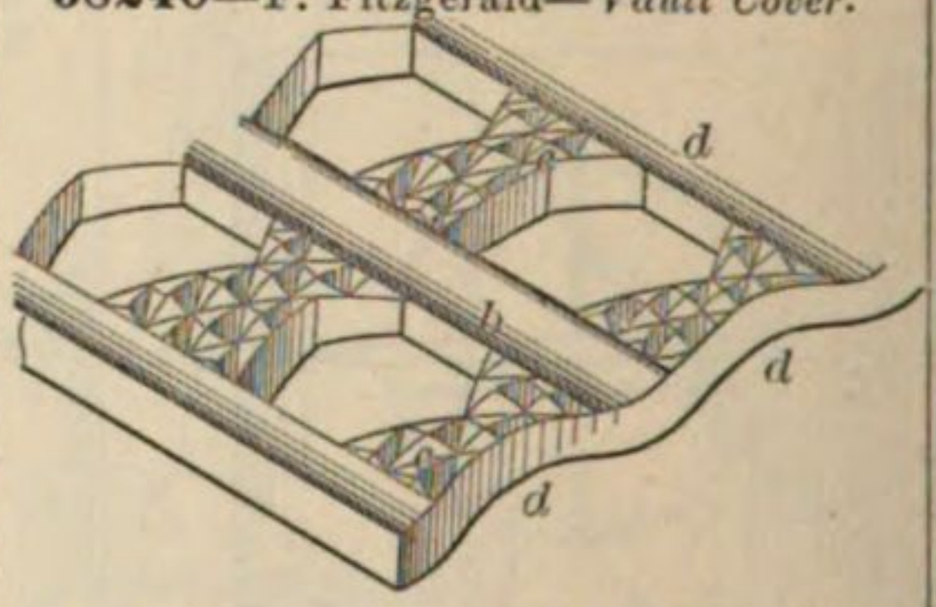
58241—J. Frankle—*Measuring Distances.*



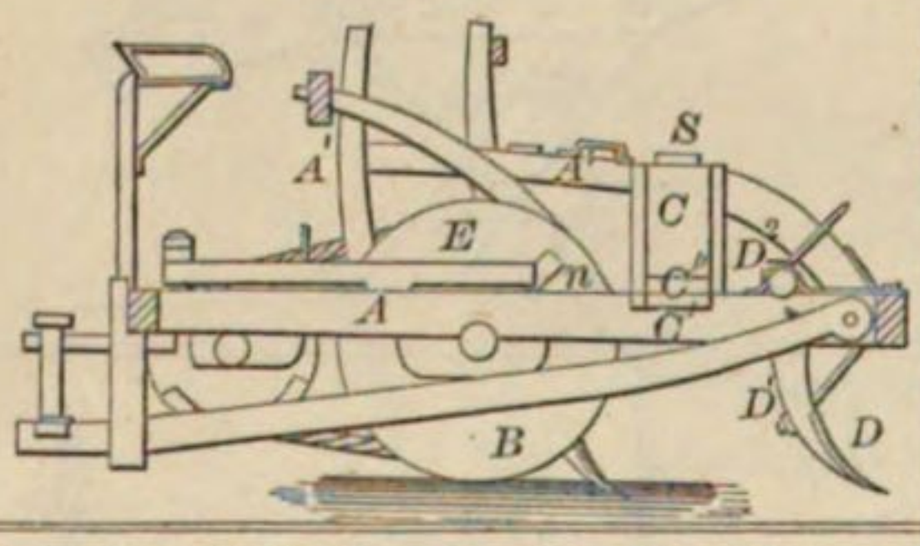
58245—H. W. Fuller—*Sewing Machine.*



58240—F. Fitzgerald—*Vault Cover.*

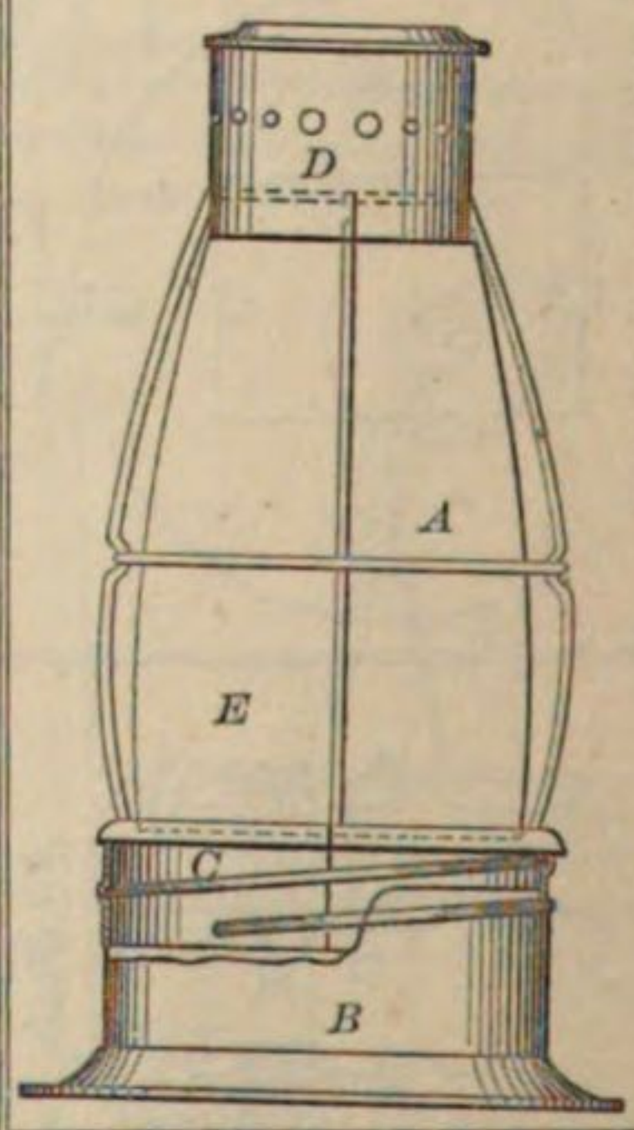


58243—W. J. Freeman—*Seeder and Cultivator.*

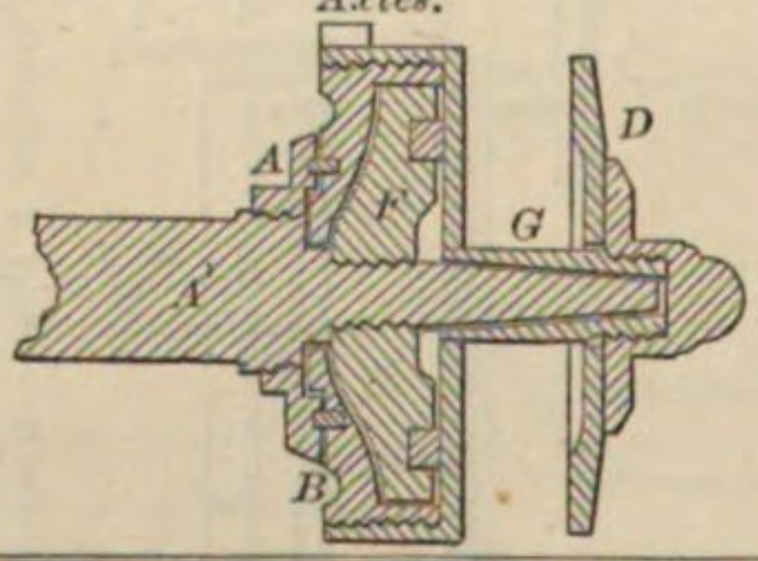


58242—J. D. Frary—*Knife and Fork.*

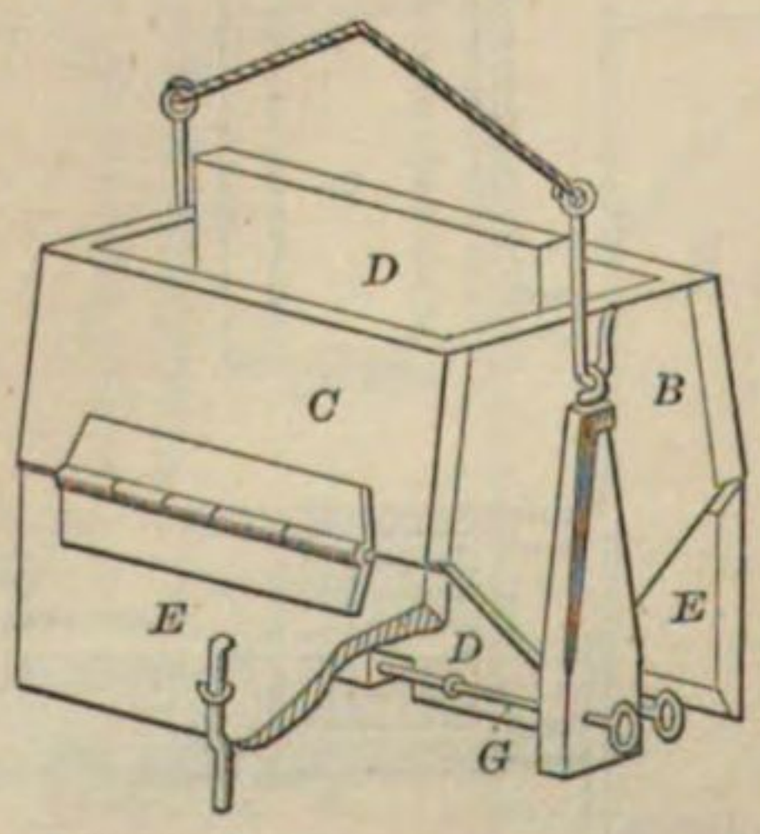
58244—A. French—*Lantern.*



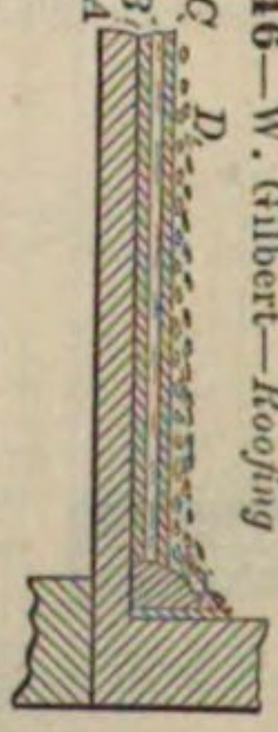
58247—C. H. Guard—*Attaching Hubs to Axles.*



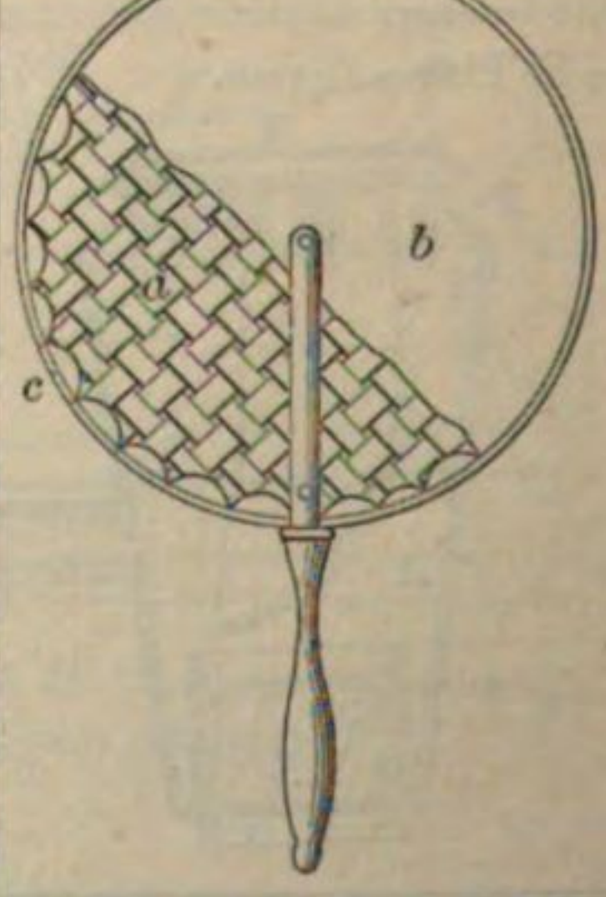
58248—J. Haines—*Fuel Damper.*



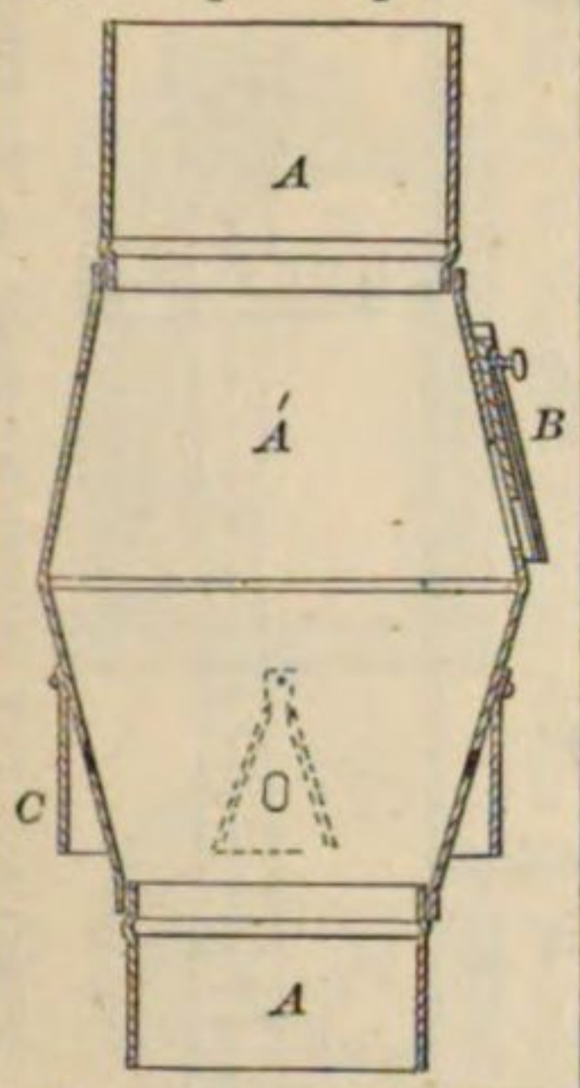
58246—W. Gilbert—*Roofing*



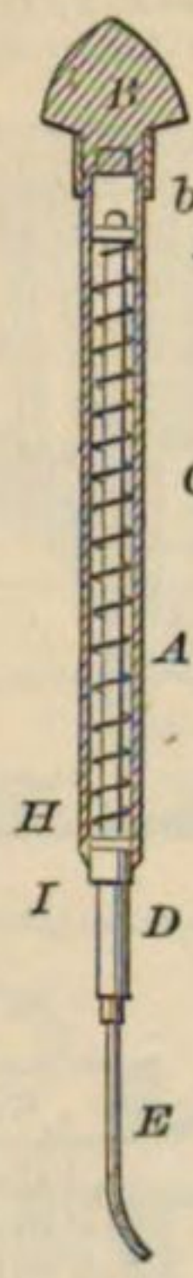
58250—N. Harper—*Fan.*



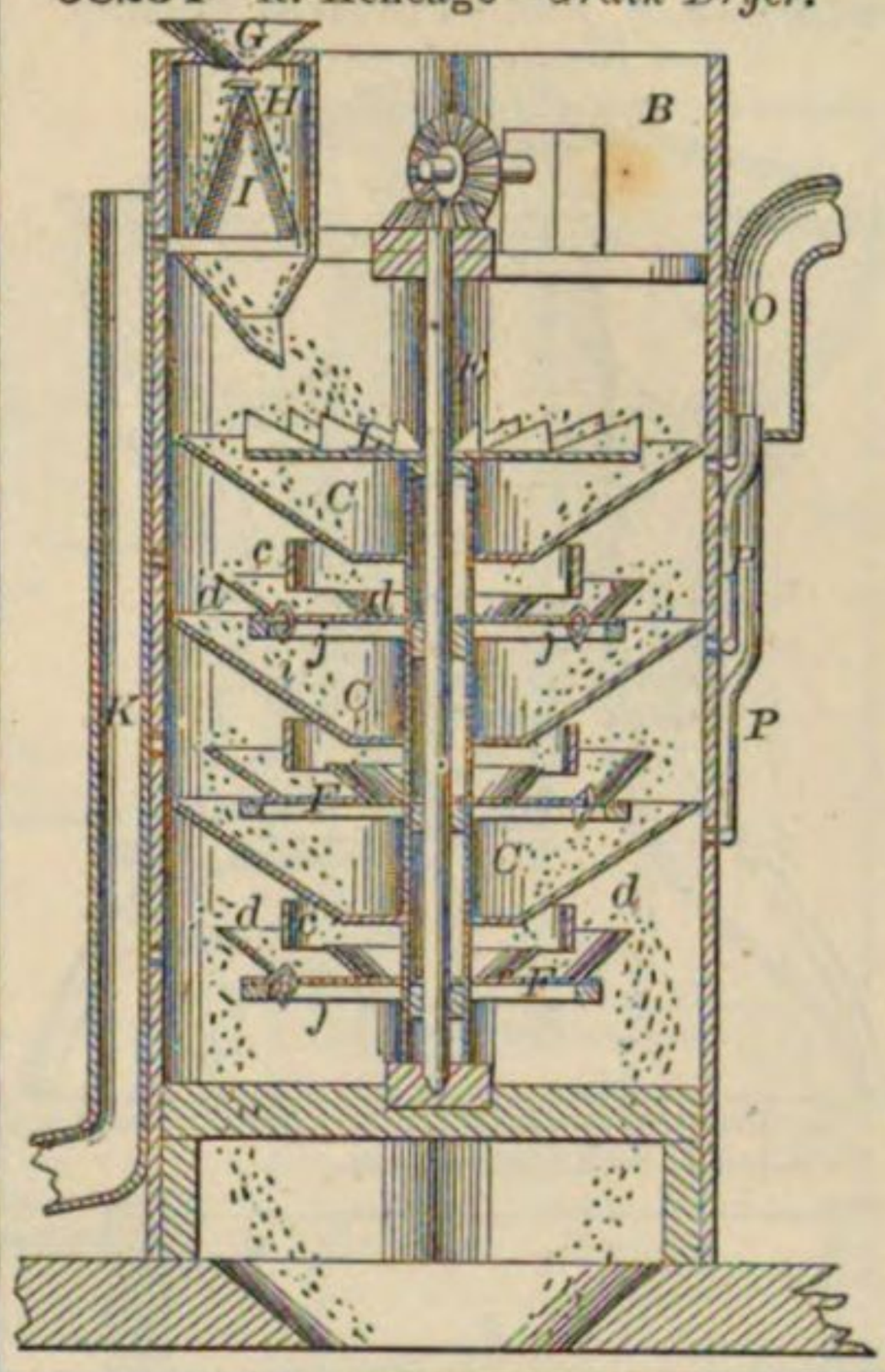
58251—B. I. Harris—*Stove Pipe Damper.*



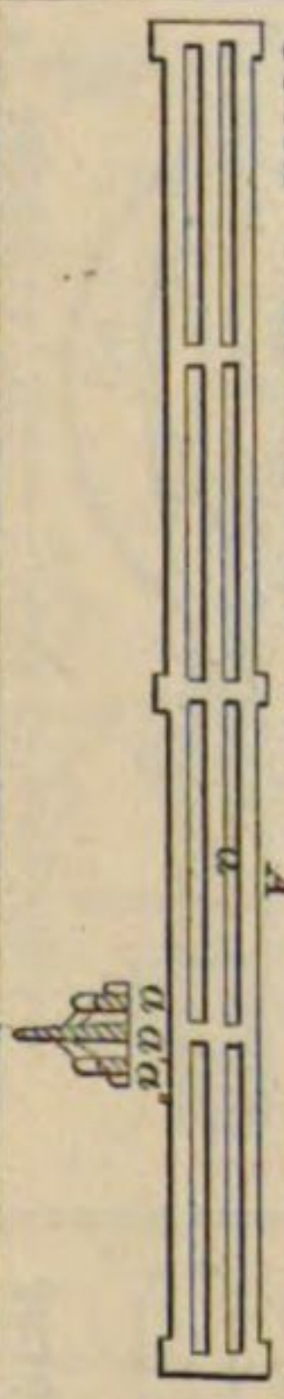
58257—C. M. Hooker—*Dentists' Tooth Plugger.*



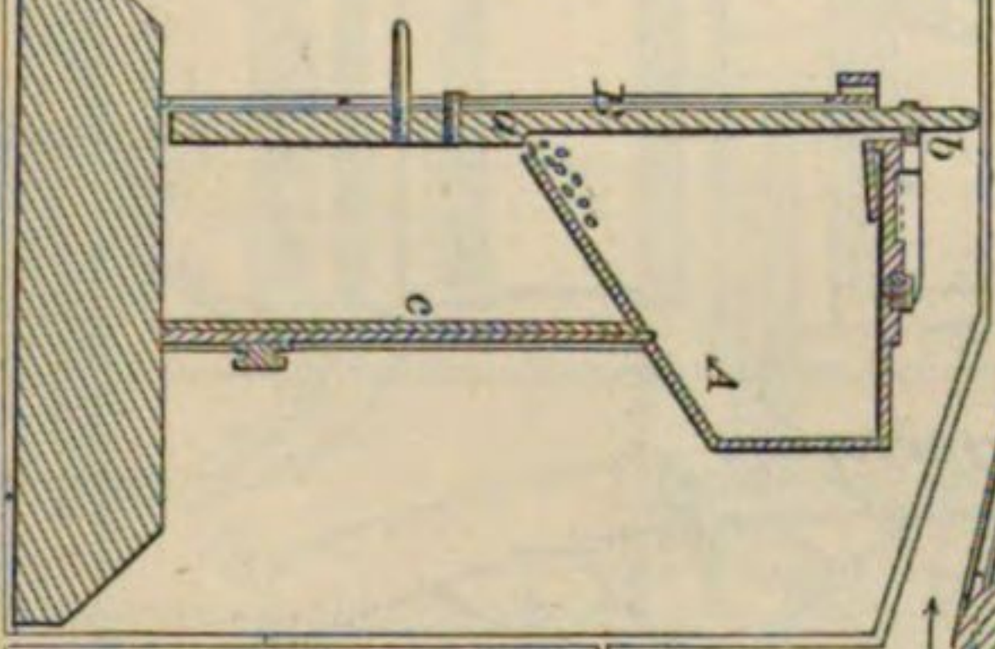
58254—R. Heneage—*Grain Dryer.*



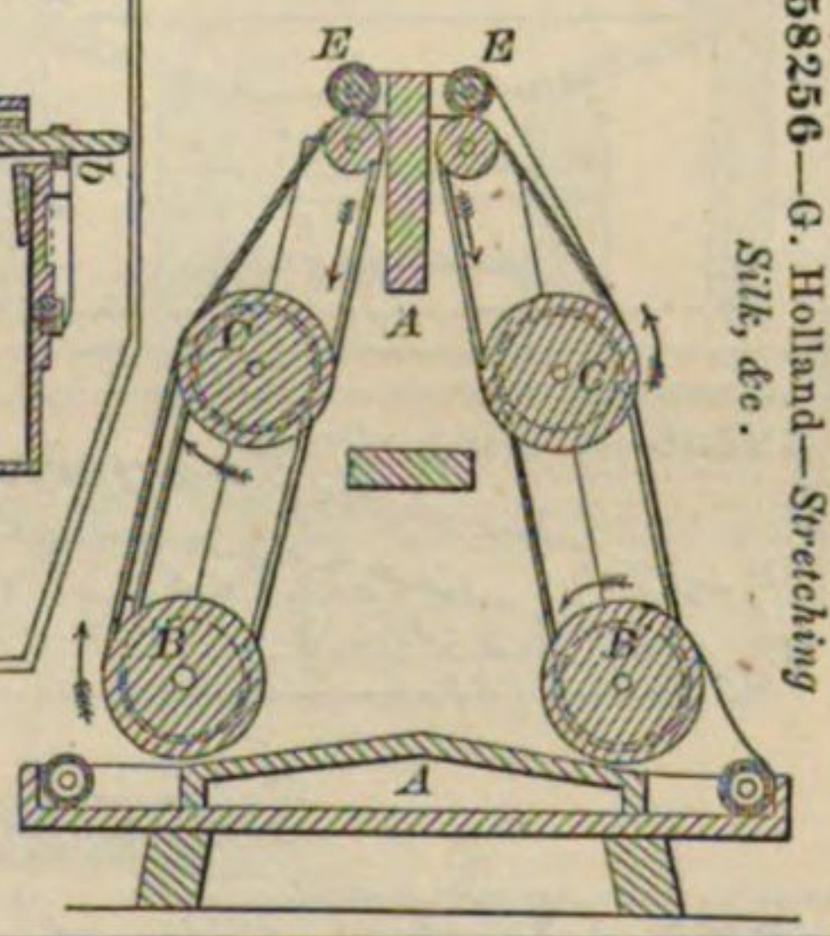
58252—S. Harrison—*Grate Bar.*



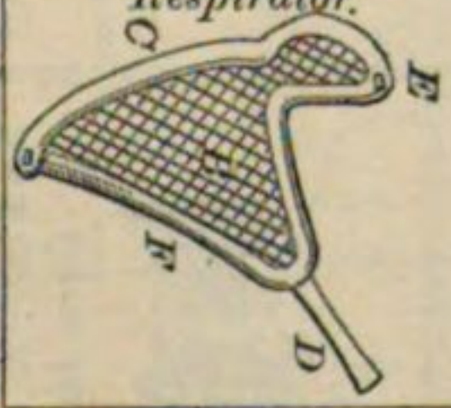
58253—T. S. Hathaway—*Match Safe.*



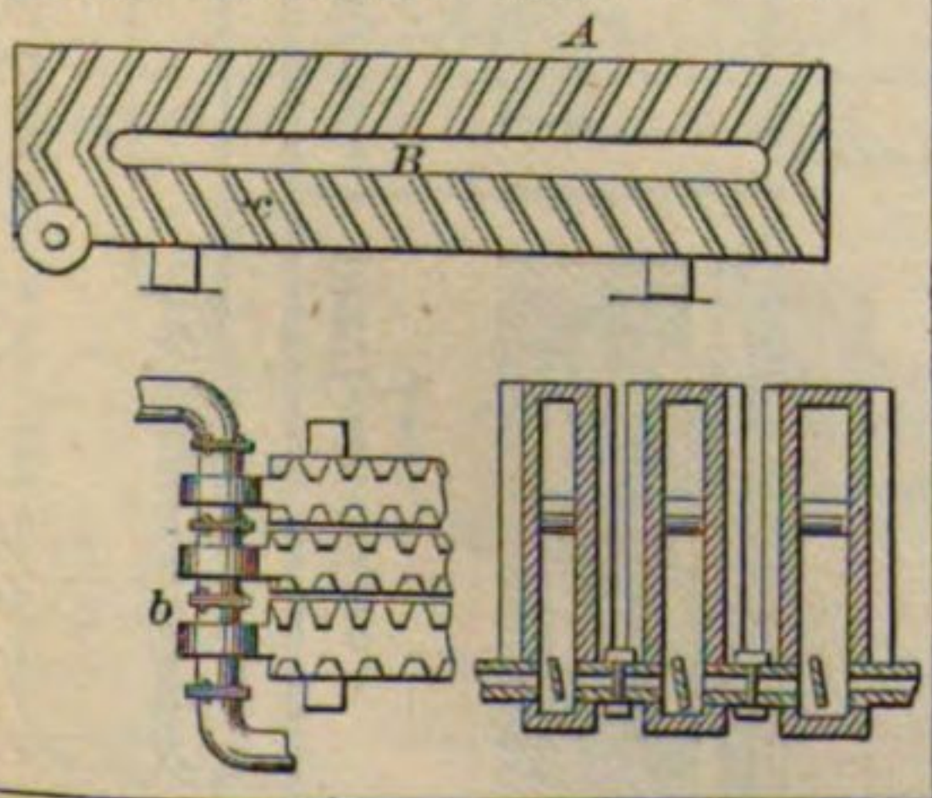
58256—G. Holland—*Stretching Silk, &c.*



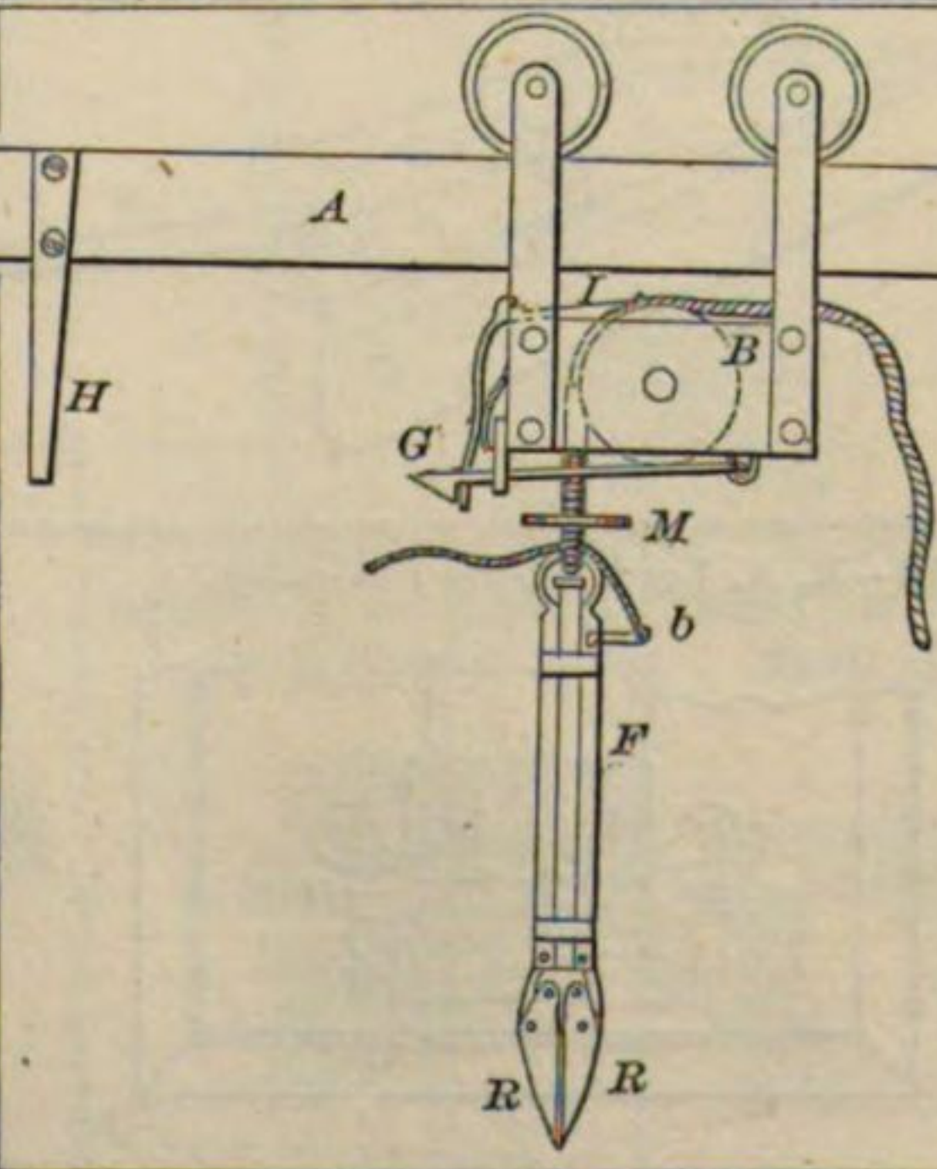
58255—T. A. Hoffmann—*Respirator.*



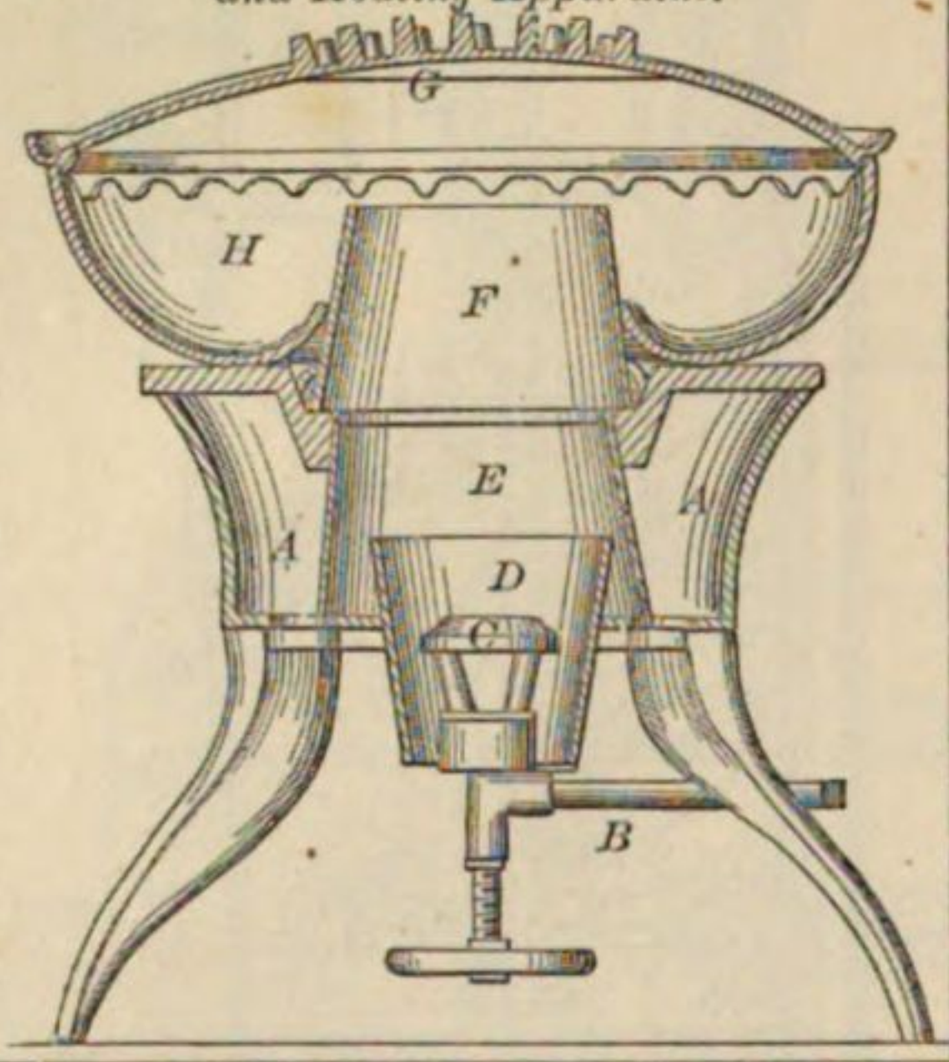
58258—H. Howard—*Steam Radiator.*



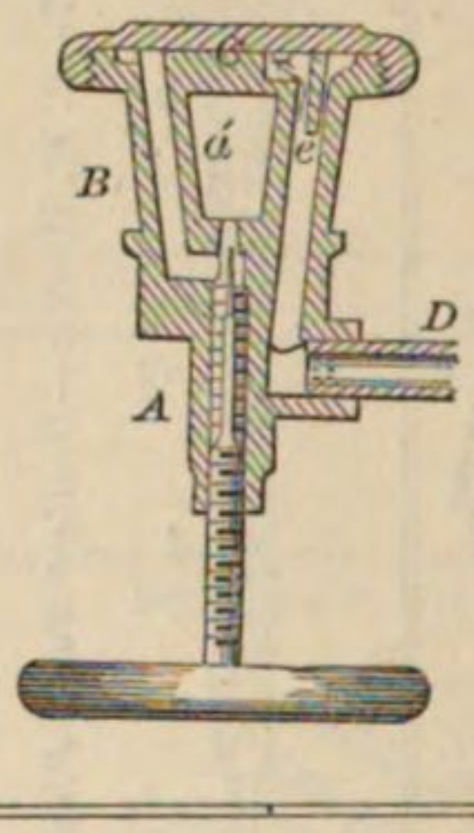
58259—Hubbell & Sherman—*Hay Elevator.*



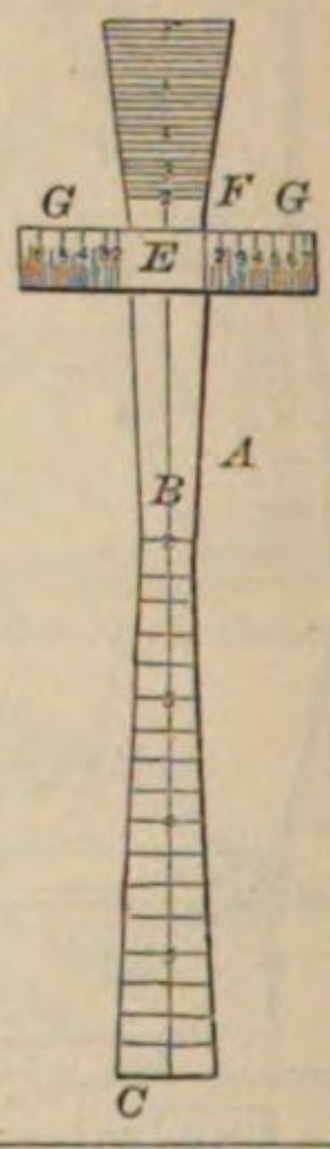
58260—J. S. Hull—*Petroleum Cooking and Heating Apparatus.*



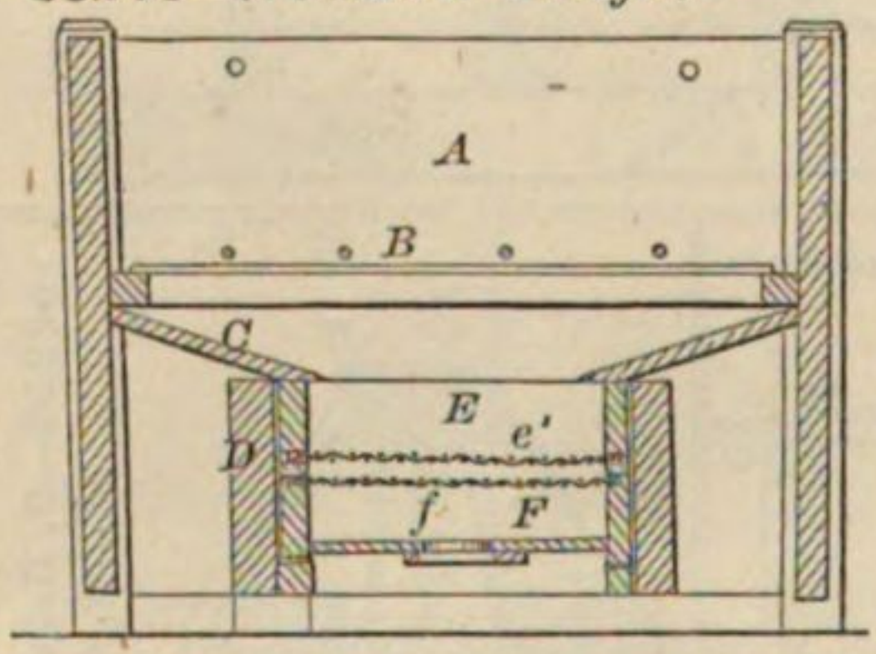
58261—J. S. Hull—*Vapor Lamp Burner.*



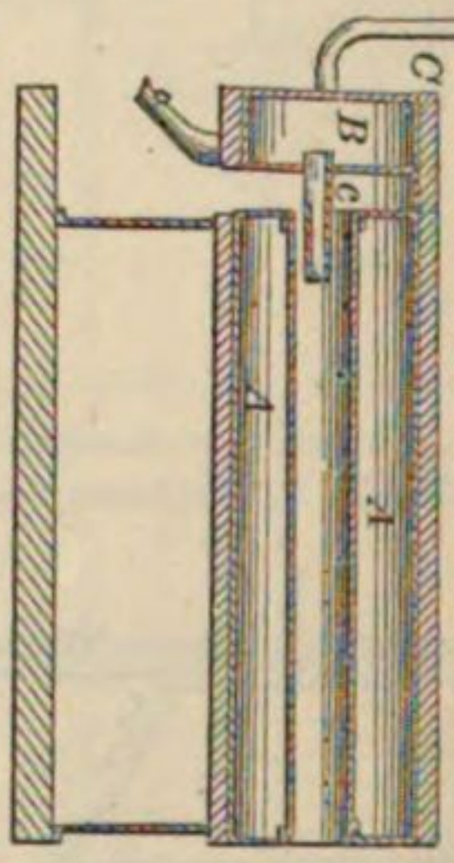
58262—J. W. Hyde—*Measuring Scale for Coffins.*



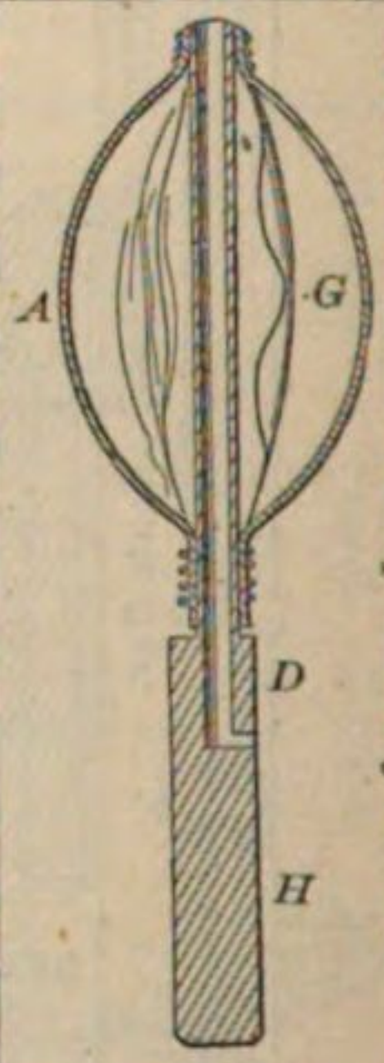
58263—J. Johnson—*Manger.*



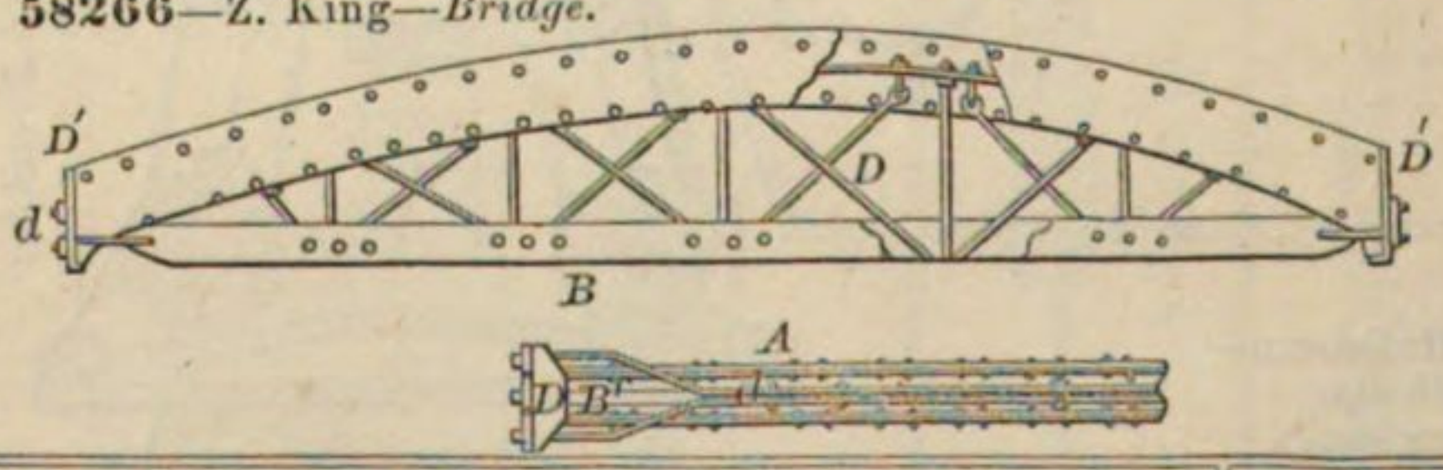
58264—J. H. Johnson—*Steam Blower.*



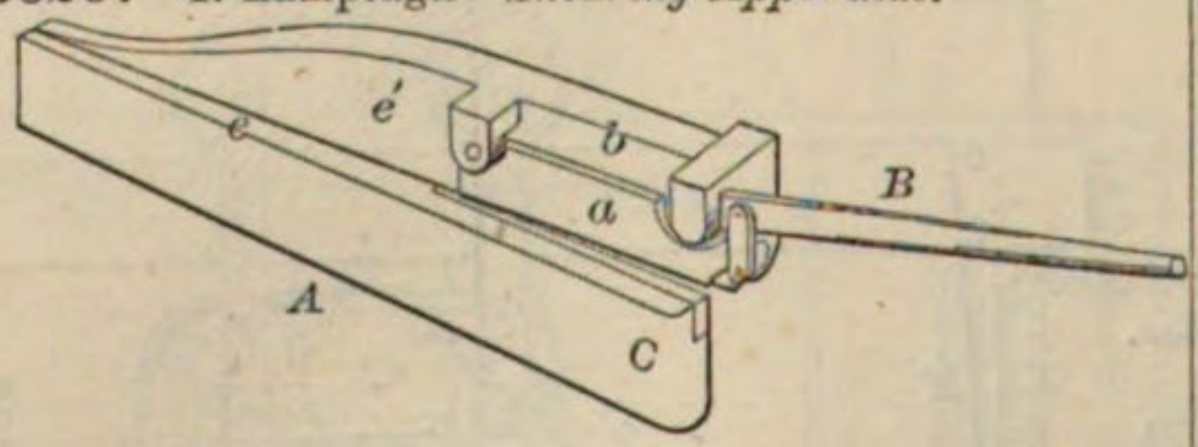
58265—L. Heiler—*Lamp Chimney Cleaner.*



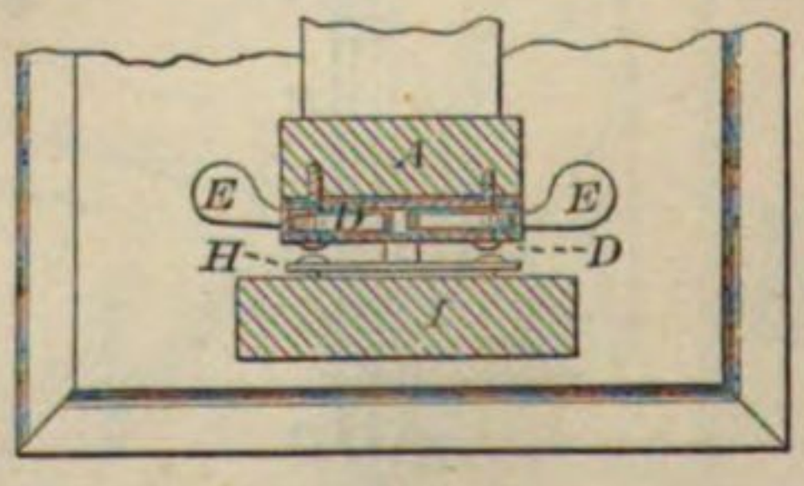
58266—Z. King—*Bridge.*



58267—I. Lamplugh—*Shearing Apparatus.*

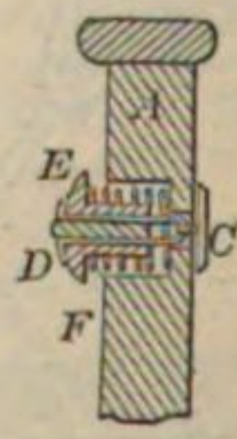


58268—R. A. Leeds—*Gate Fastening.*

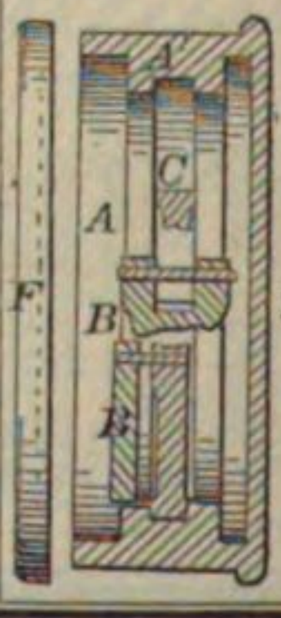


58269—J. B. H. Leonard—*Knife and Fork.*

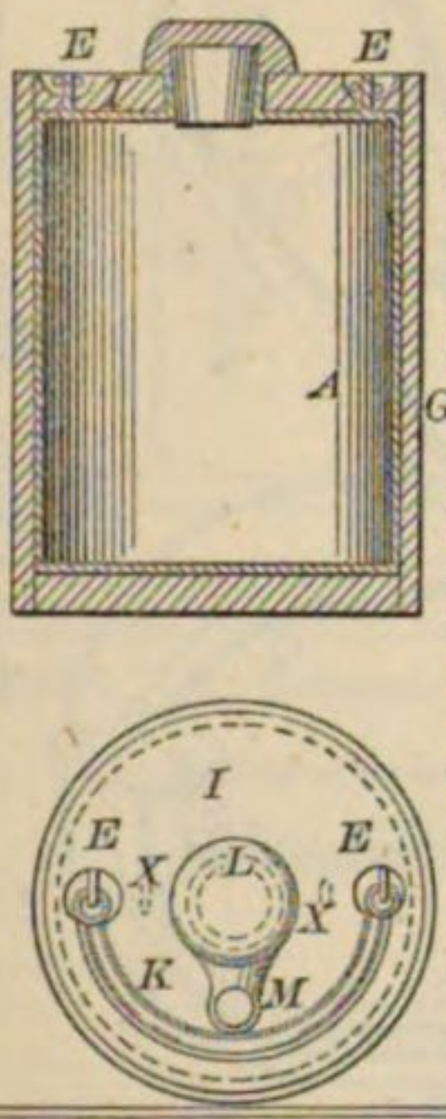
58270—A. A. Marks—*Card Holder.*



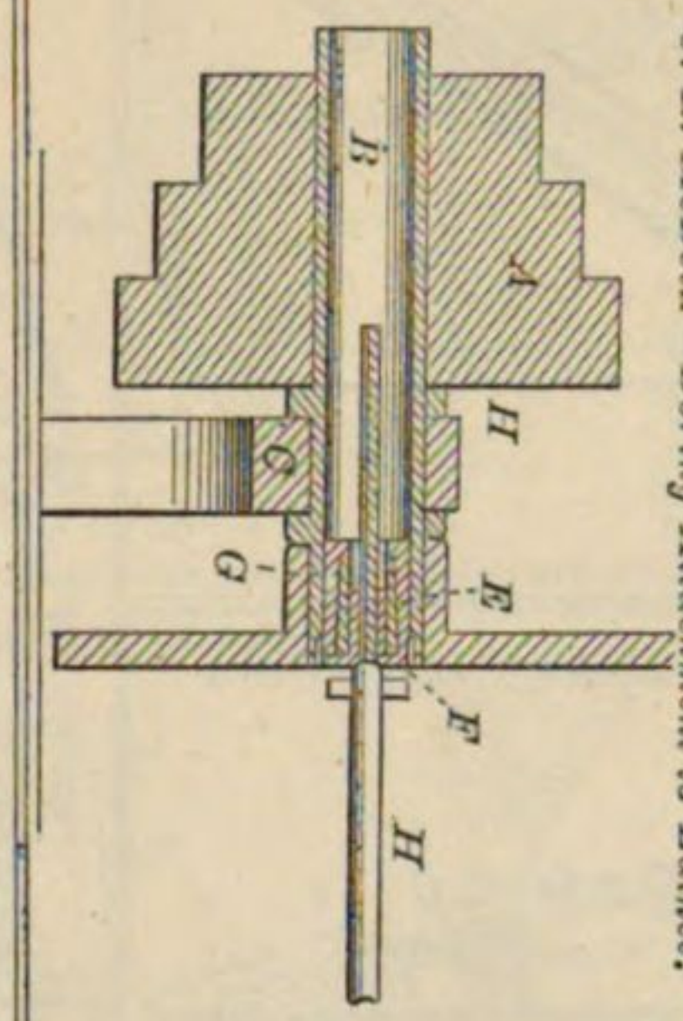
58271—D. Masten—*Level.*



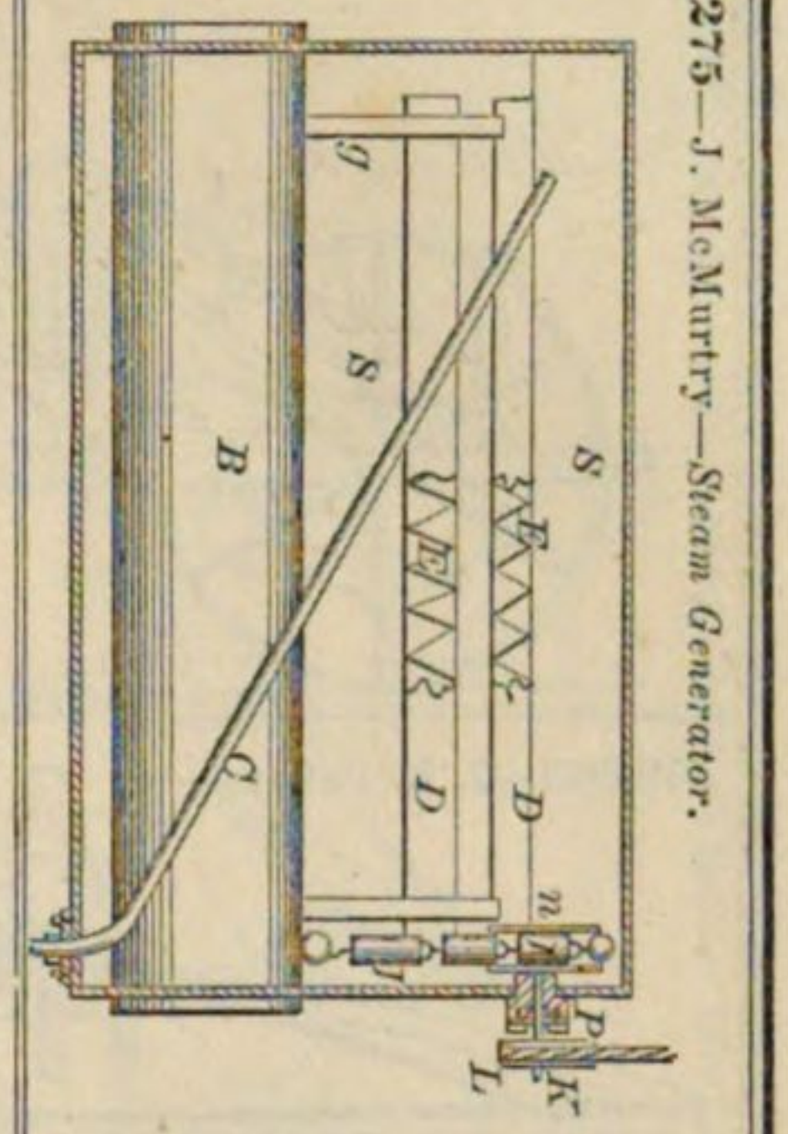
58272—J. W. Masury—*Packing Vessels for Petroleum.*



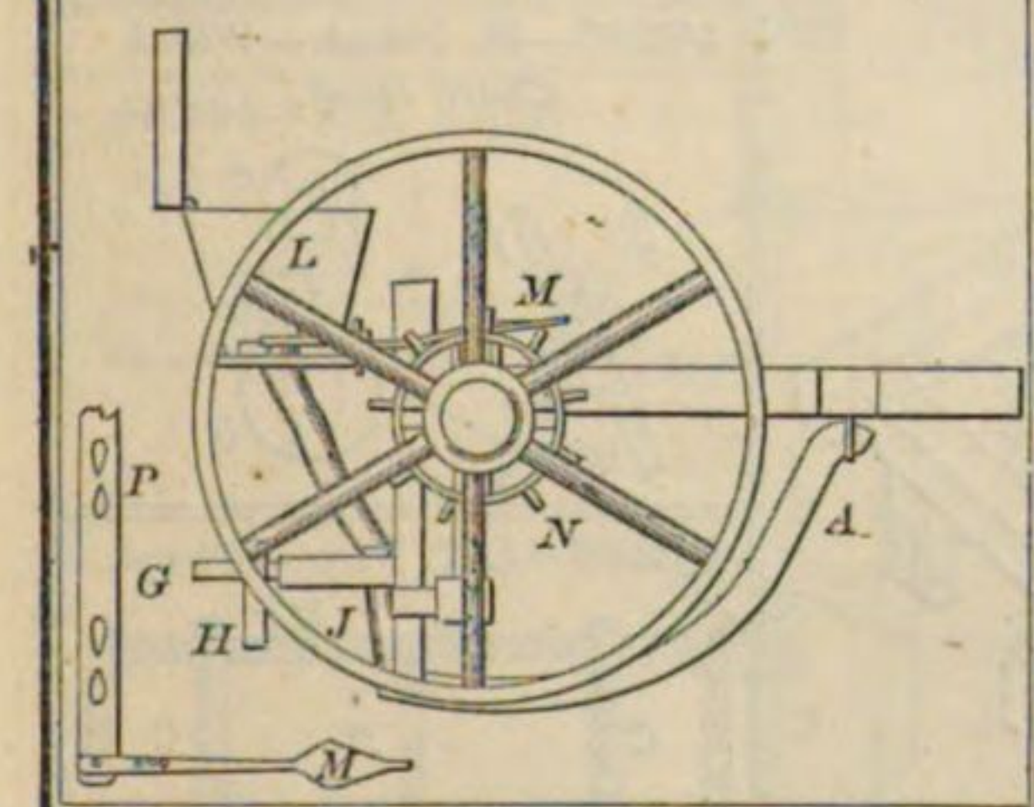
58273—C. E. McBeth—*Boring Attachment to Lathes.*



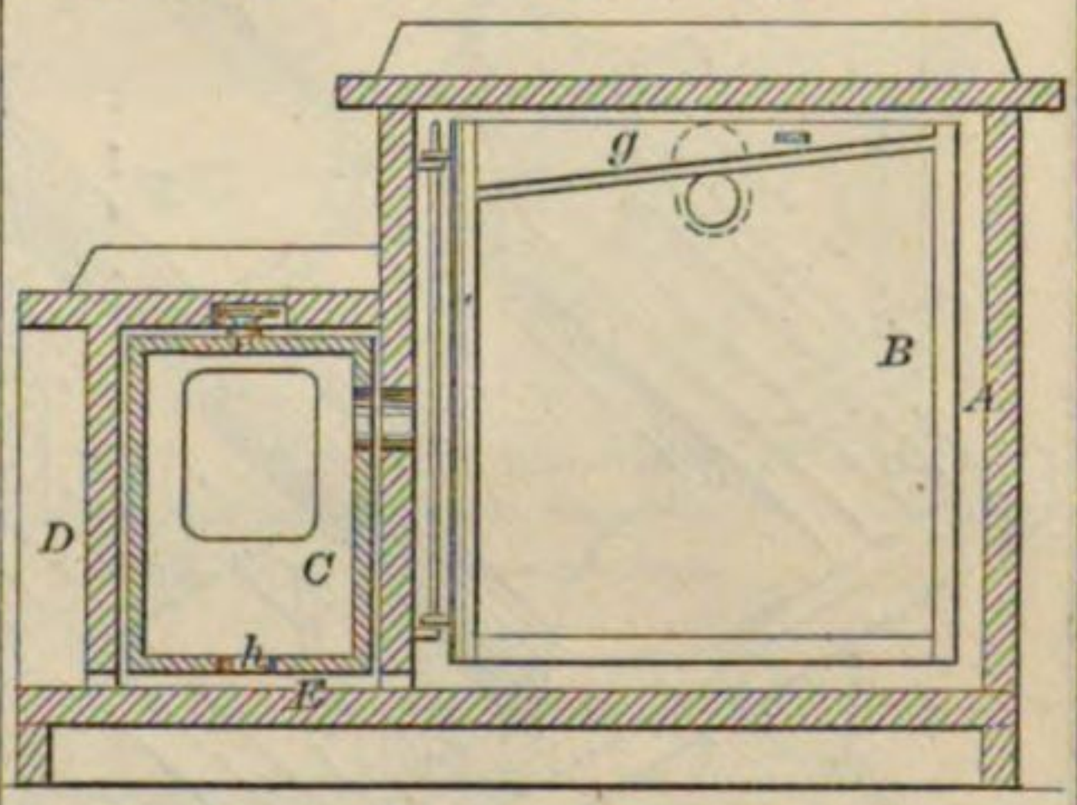
58275—J. McMurtry—*Steam Generator.*



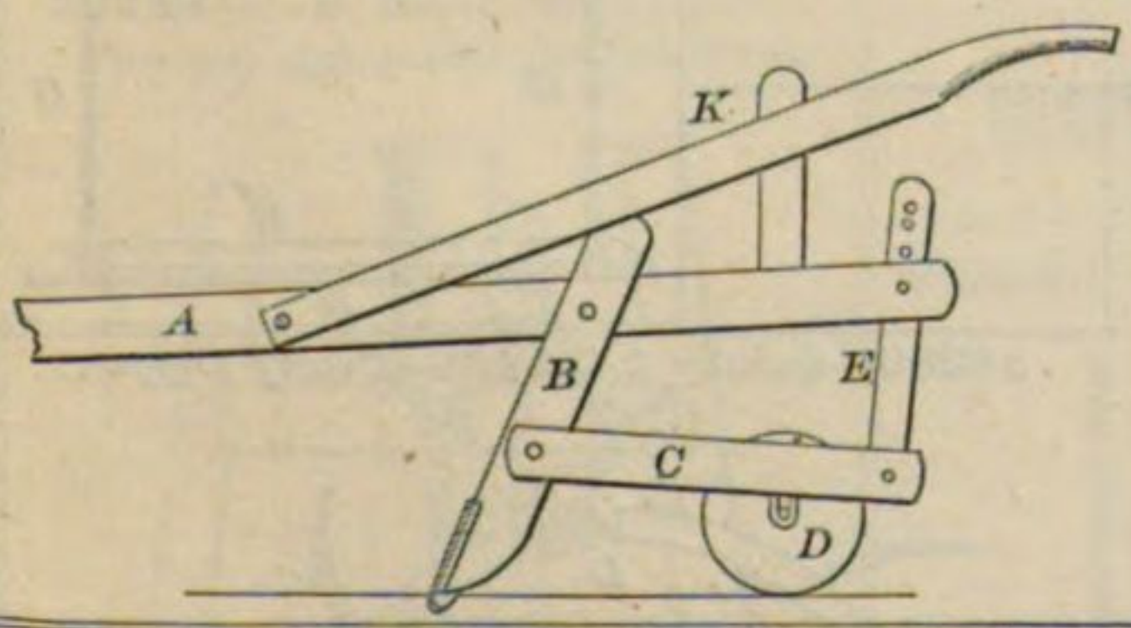
58274—J. McDonald—*Grain Drill.*



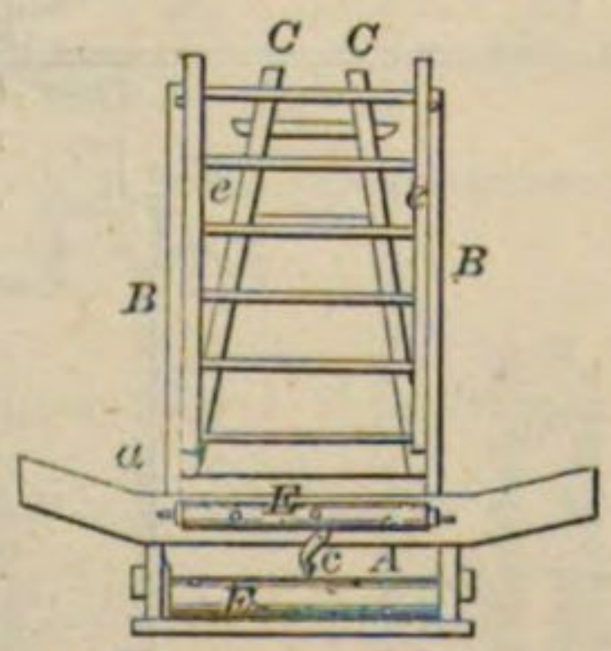
58276—G. W. Merchant—*Beehive.*



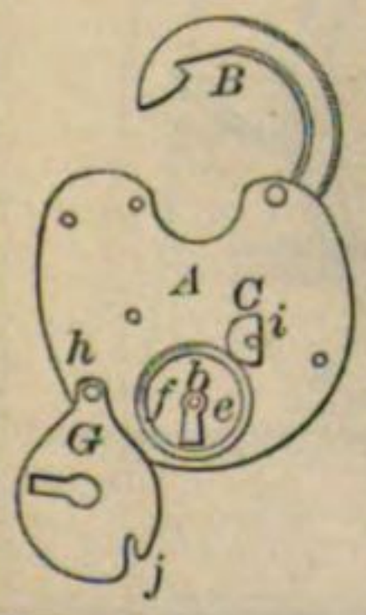
58277—Metz & Rohrer—*Corn Planter.*

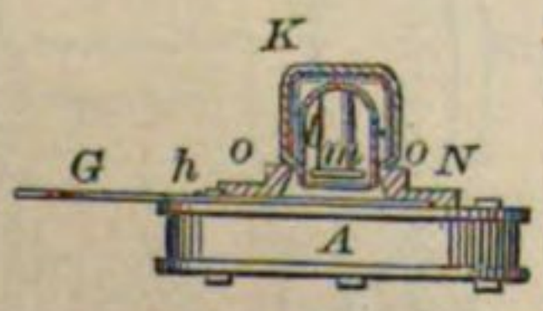


58280—A. Naramor—*Wagon Hay Rack.*

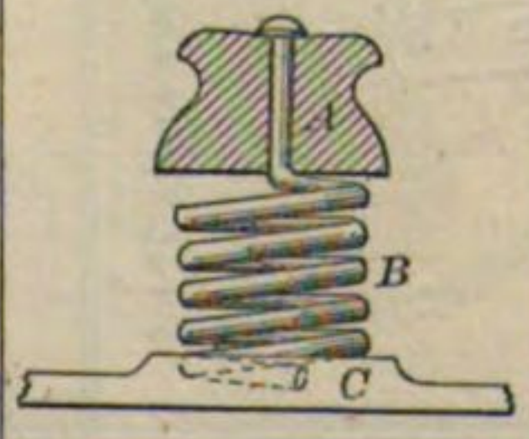


58278—E. M. & J. E. Mix—*Padlock.*

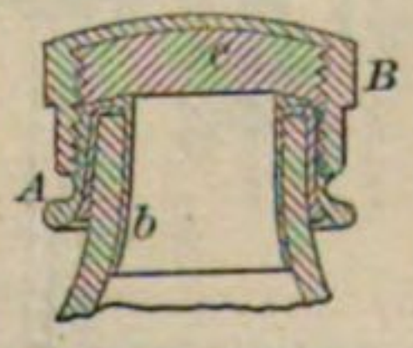




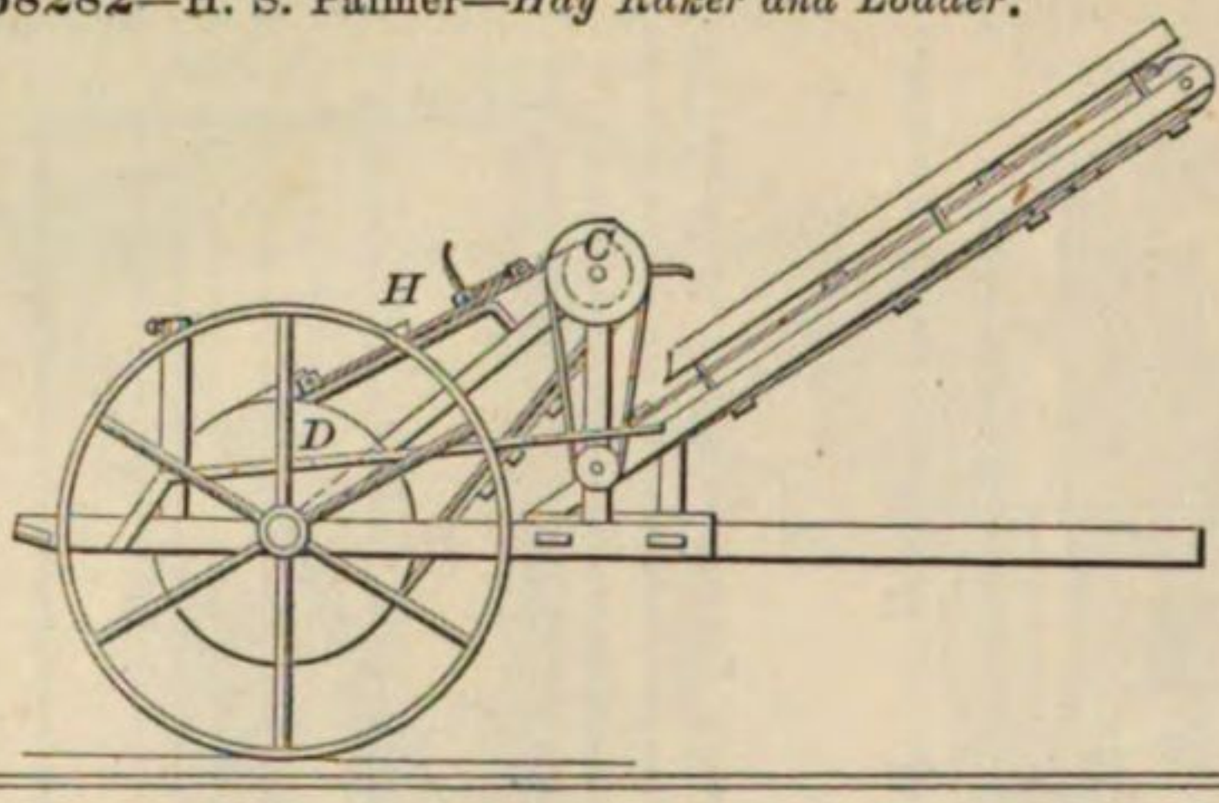
58279—J. U. Mueller—*Stove Handle.*



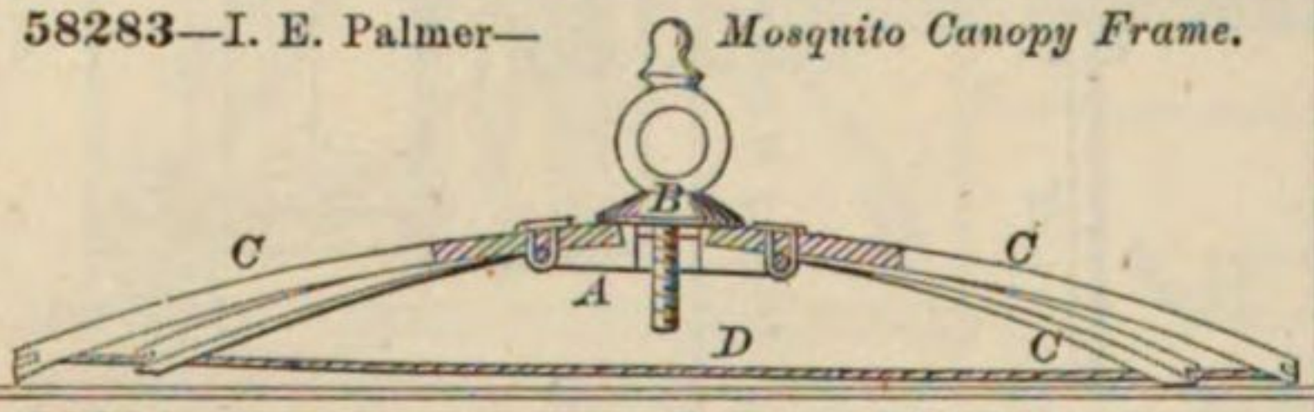
58281—M. V. Olry—*Bottle Cap.*



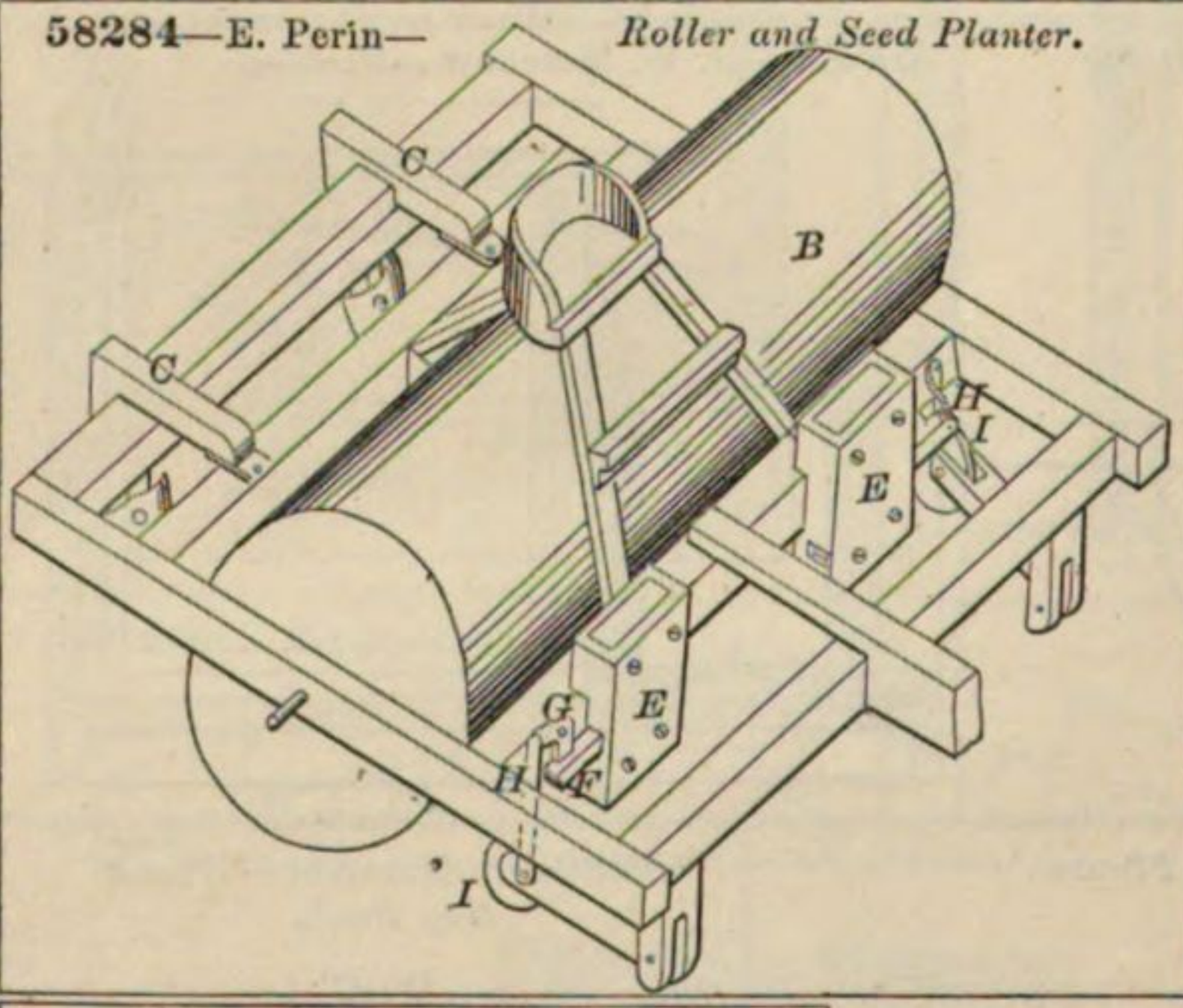
58282—H. S. Palmer—*Hay Raker and Loader.*



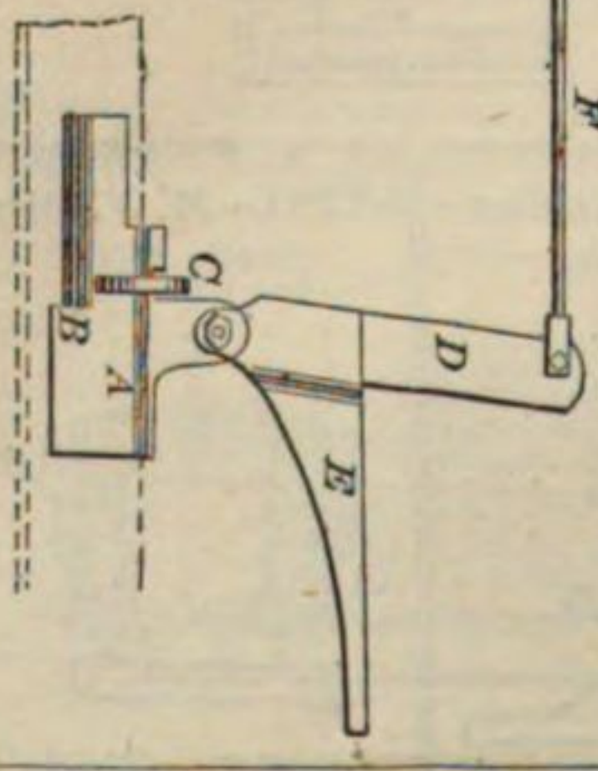
58283—I. E. Palmer— *Mosquito Canopy Frame.*



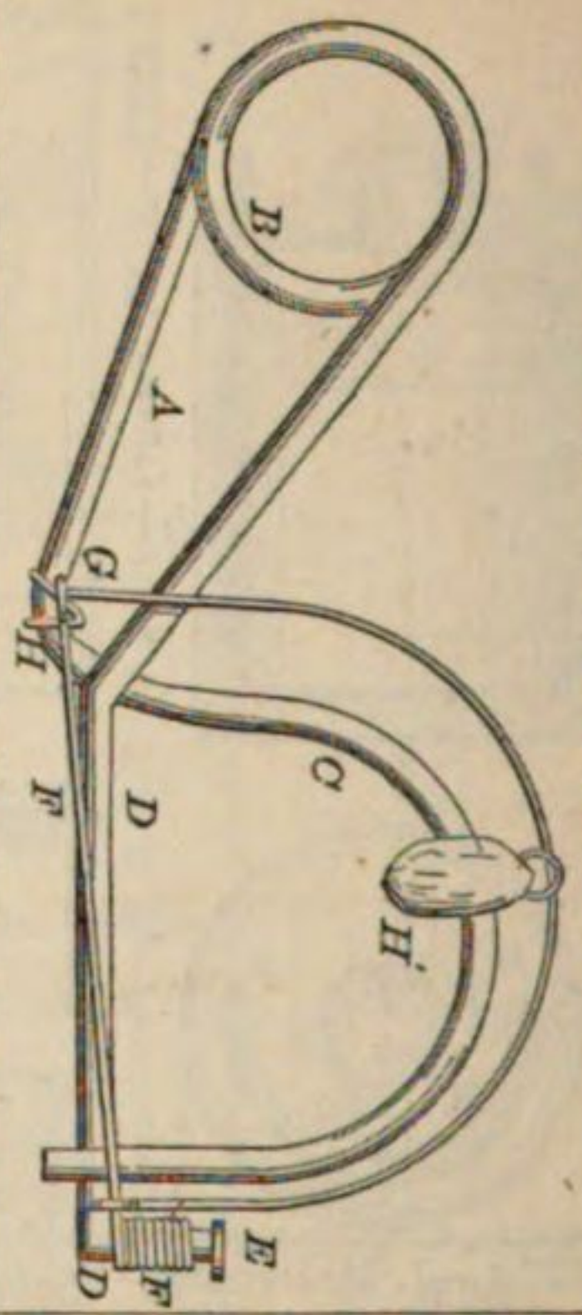
58284—E. Perin— *Roller and Seed Planter.*



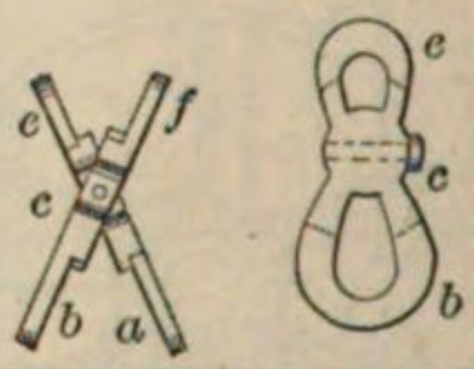
85285—J. W. Pettengill—*Moving Cars on the Track.*



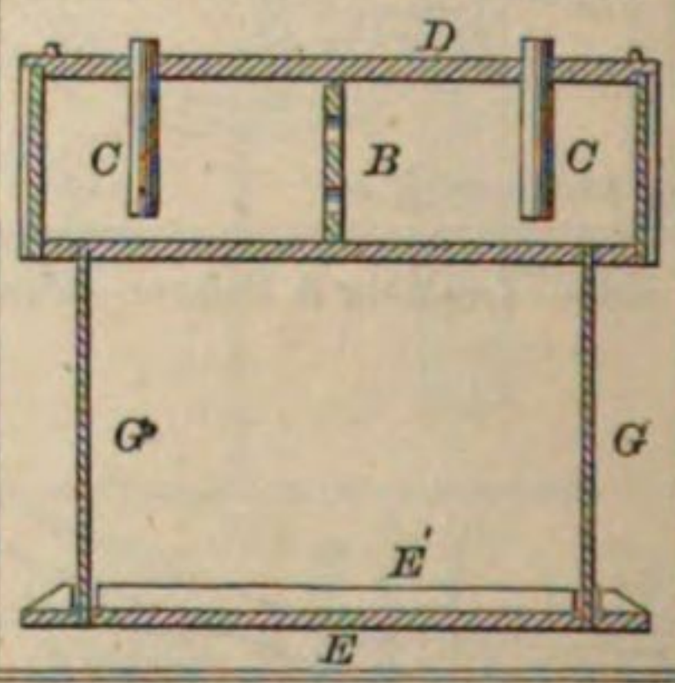
58286—D. N. Phelps—*Animal Trap.*



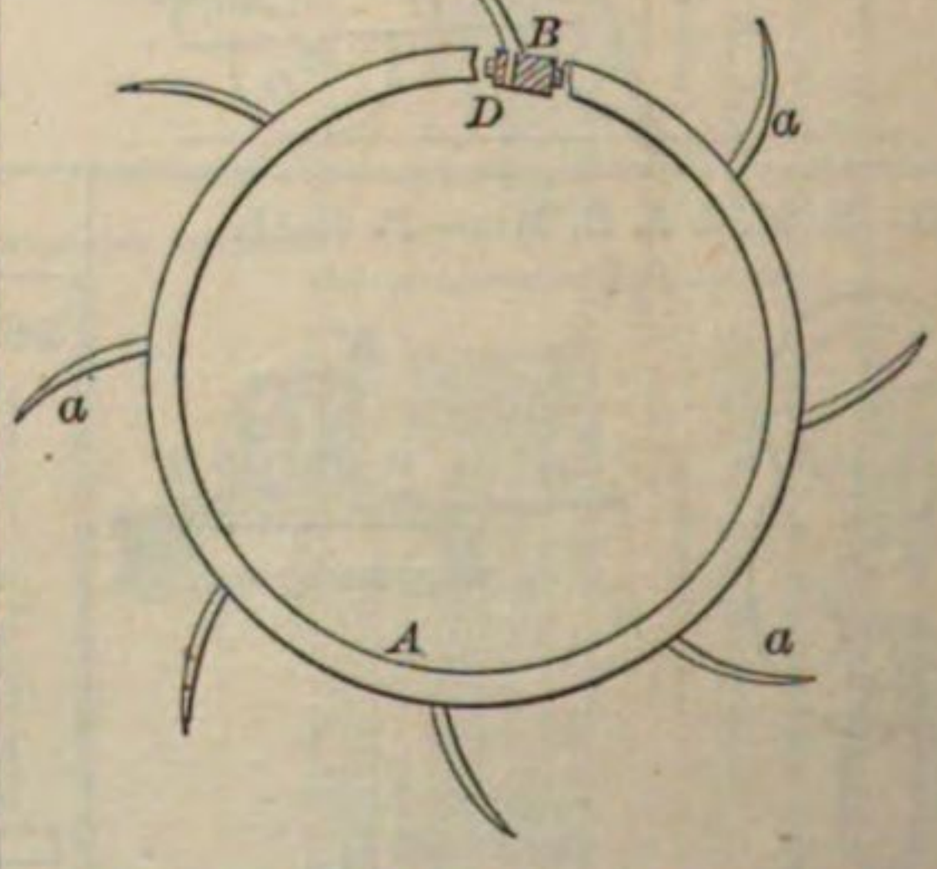
58287—M. Pollak—*Watch Chain Hook.*



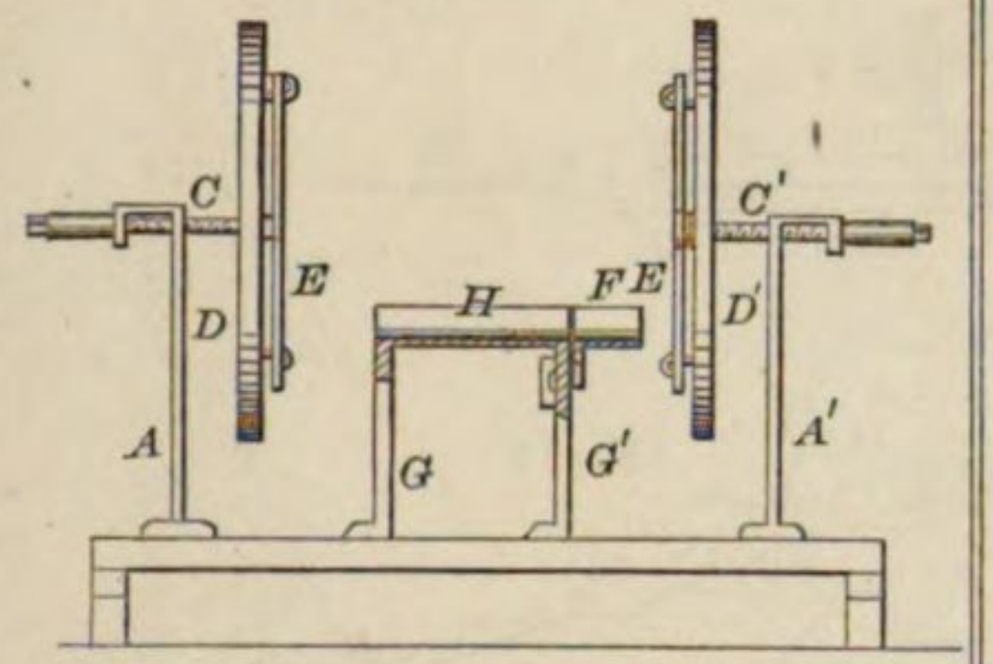
85288—I. T. Price—*Churn.*



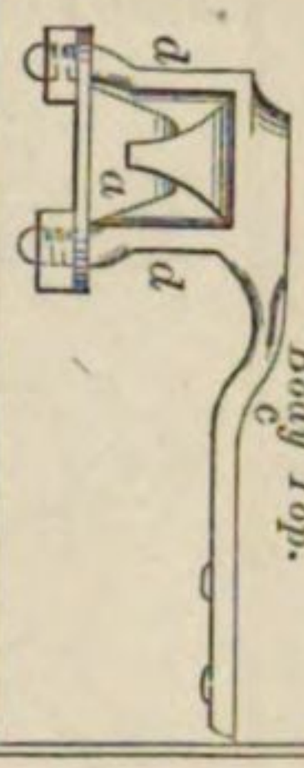
58289—Quinby & Lobdell—*Rotary Digger.*



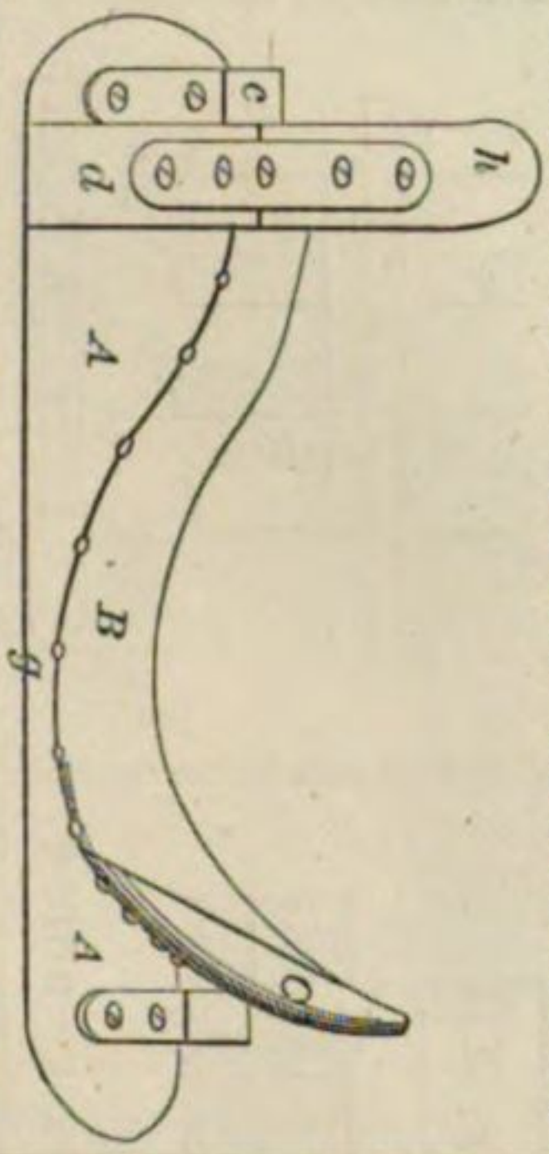
85290—D. R. Reed—*Sheep Holder.*



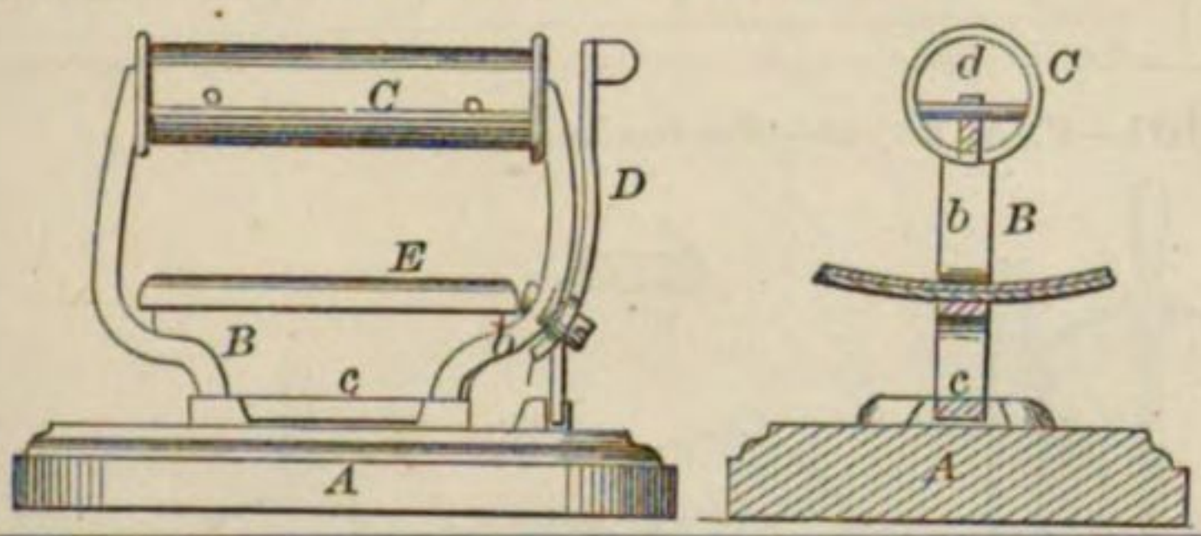
85292—U Reynolds—*Carriage Body Top.*



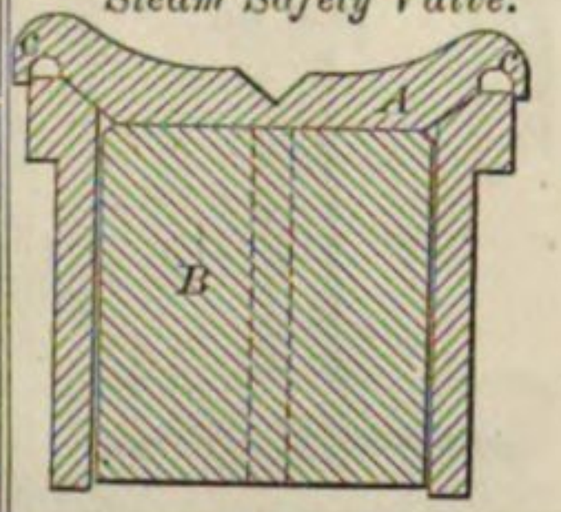
58293—Rhodes & Hazlewood—*Ladies' Saddle Tree.*



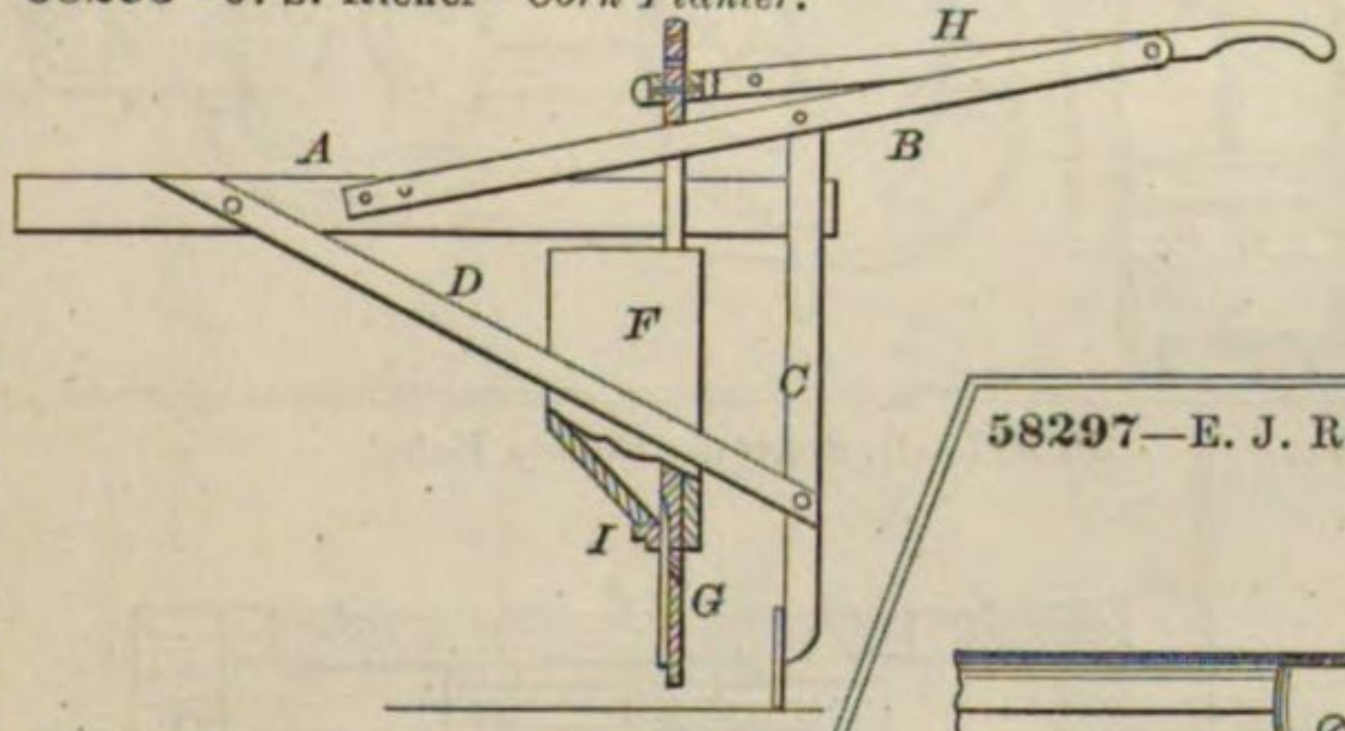
58291—F. Rehorn—*Sad Iron Handle.*



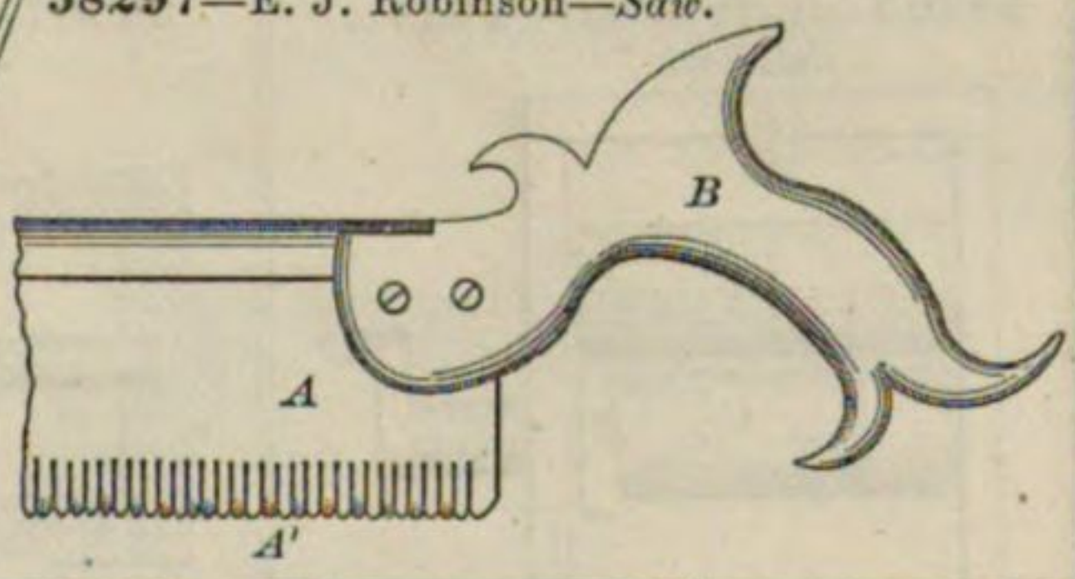
85294—G W. Richardson—*Steam Safety Valve.*



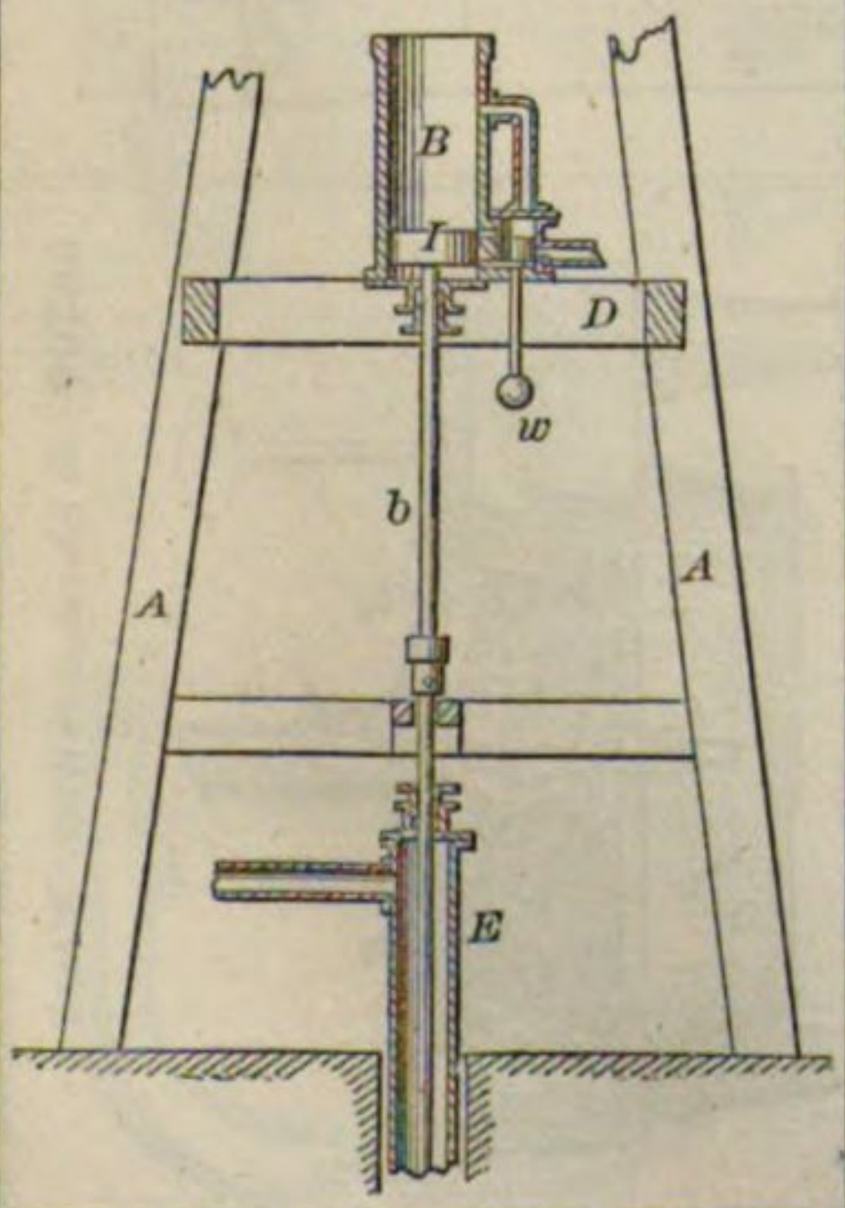
58295—J. S. Rickel—*Corn Planter.*



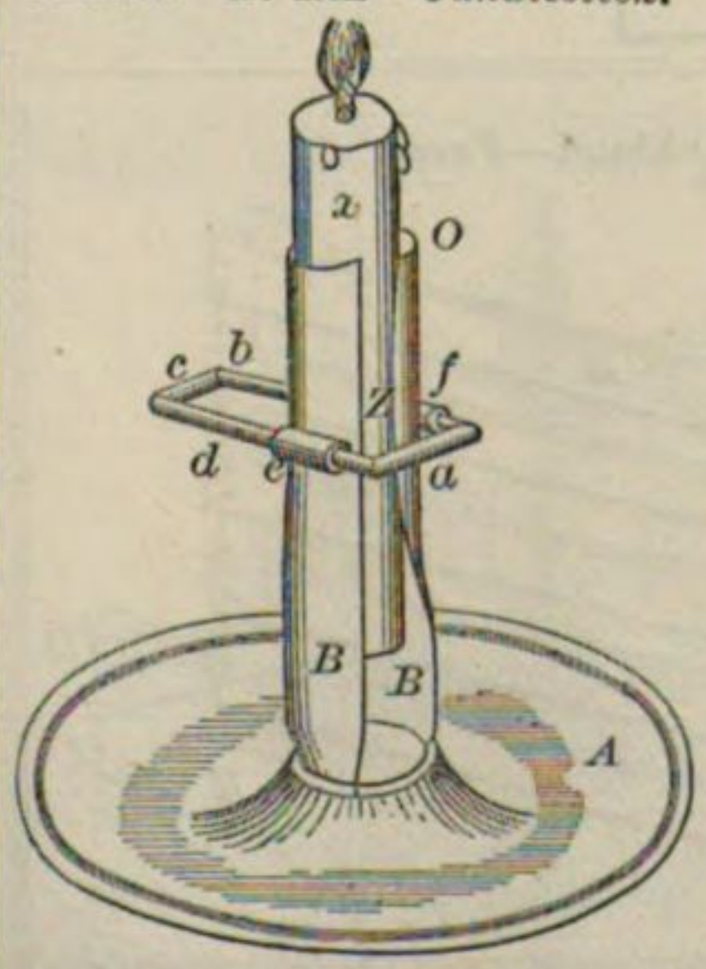
58297—E. J. Robinson—*Saw.*



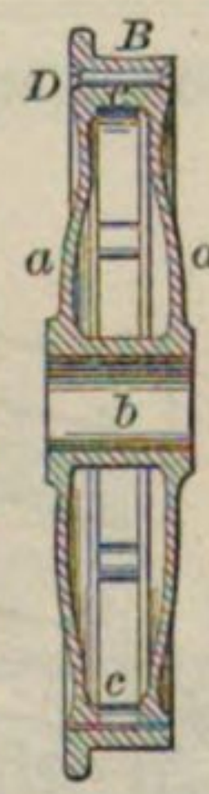
58299—J. B. Root—*Boring and Pumping Apparatus for Oil Wells.*



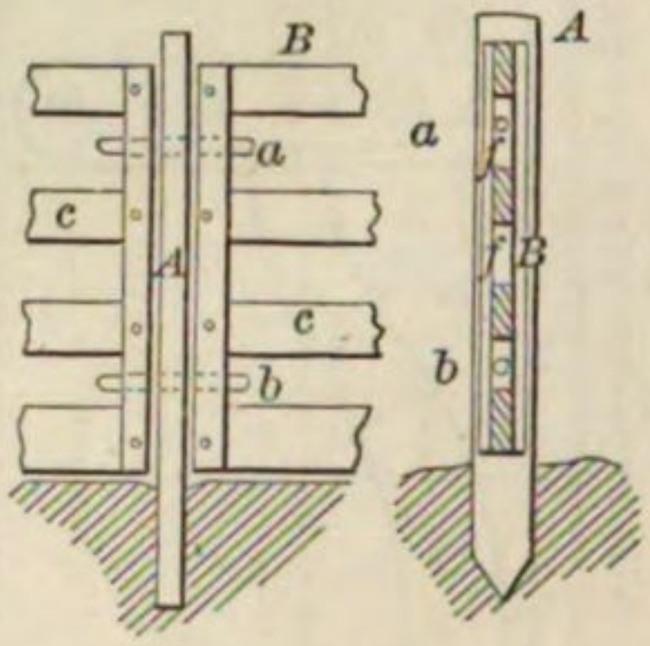
85296—A. Rix—*Candleslick.*



85298—E. S. Robinson—*Car Wheel.*



58300—S. H. Rose—*Fence.*



58304—Saladee & Veach—*Mechanical Movement.*

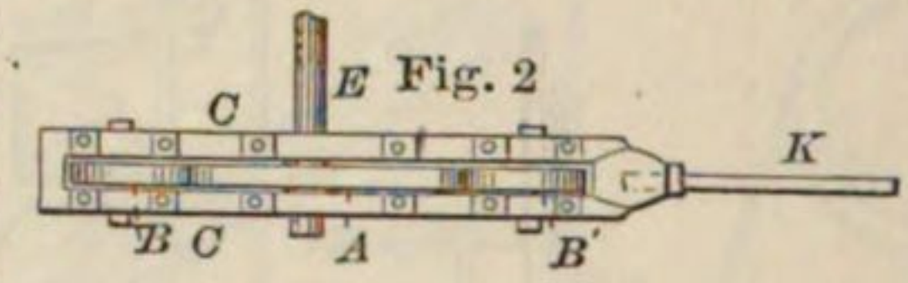


Fig. 2

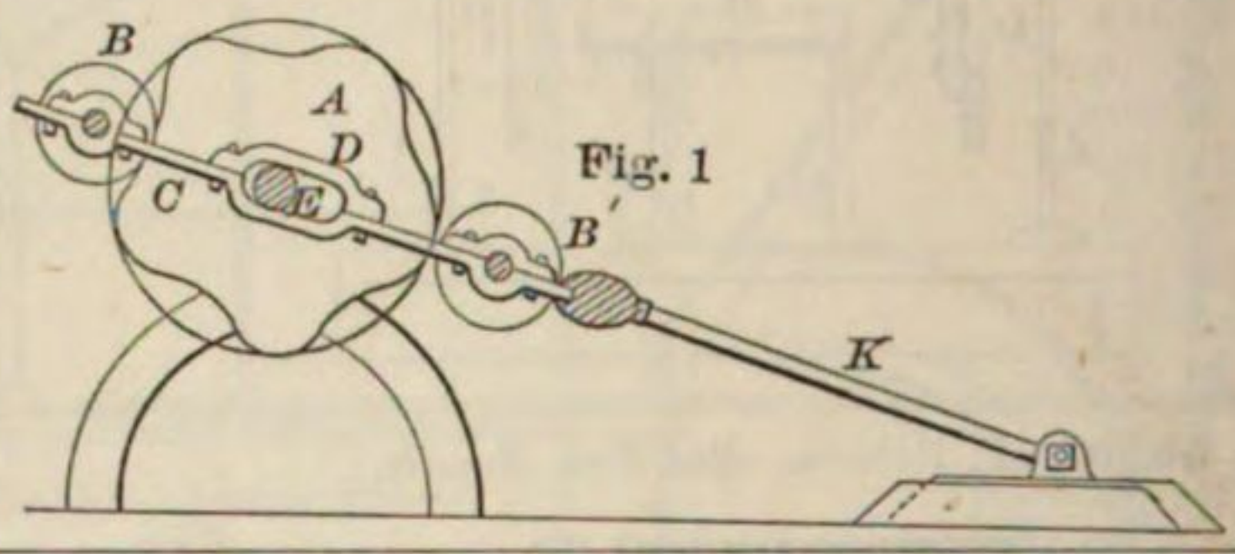
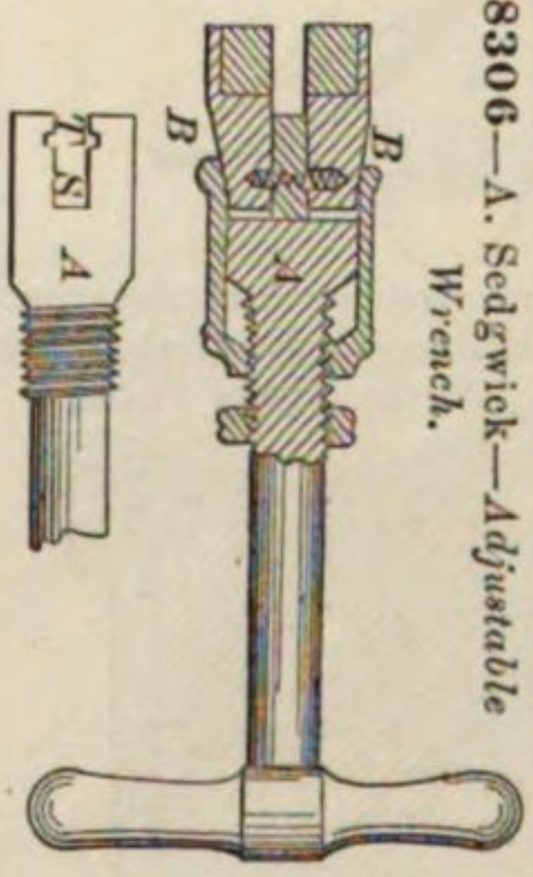
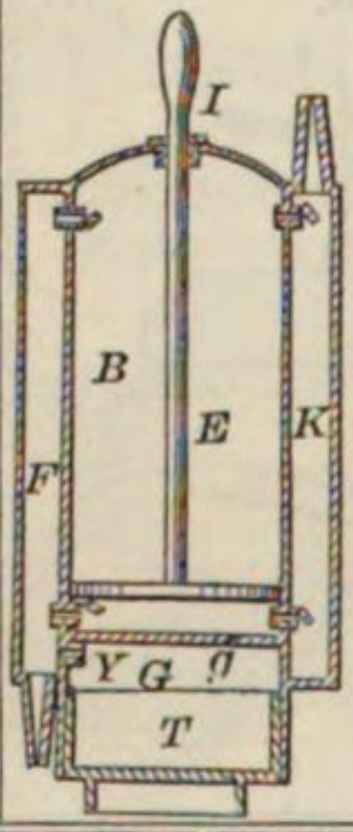


Fig. 1

58306—A. Sedgwick—*Adjustable Wrench.*



58301—P. A. Royce—*Mechanical Medicator.*



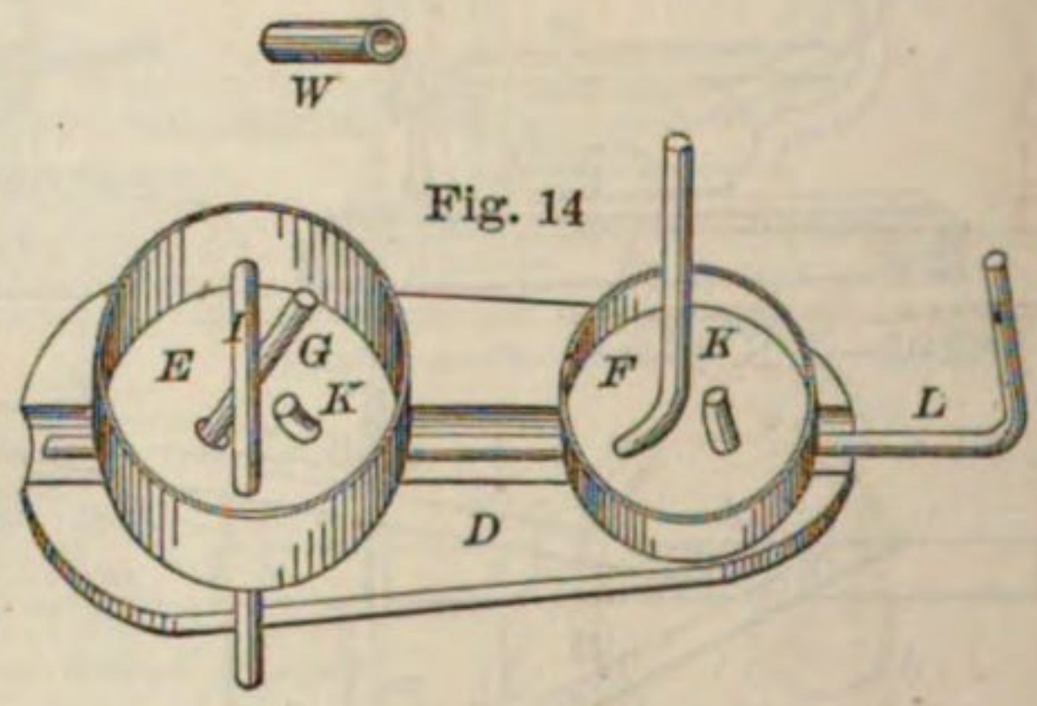
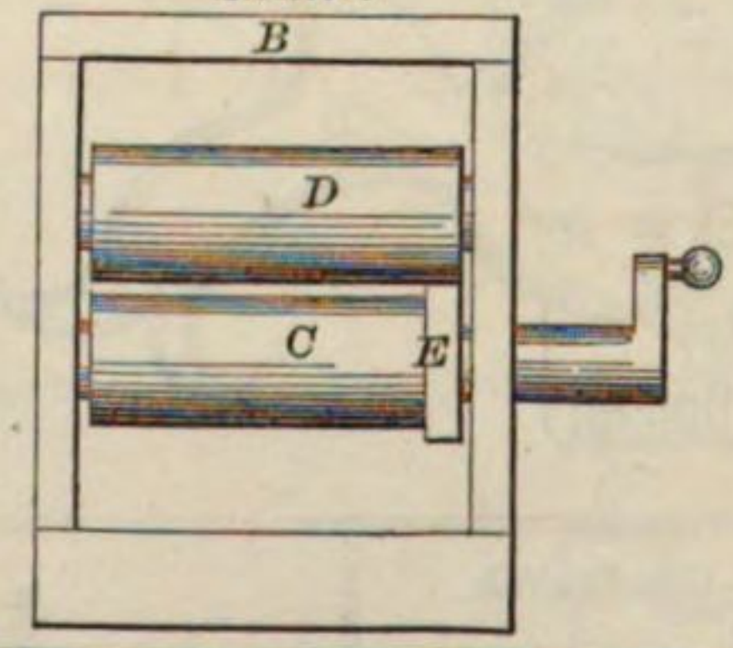
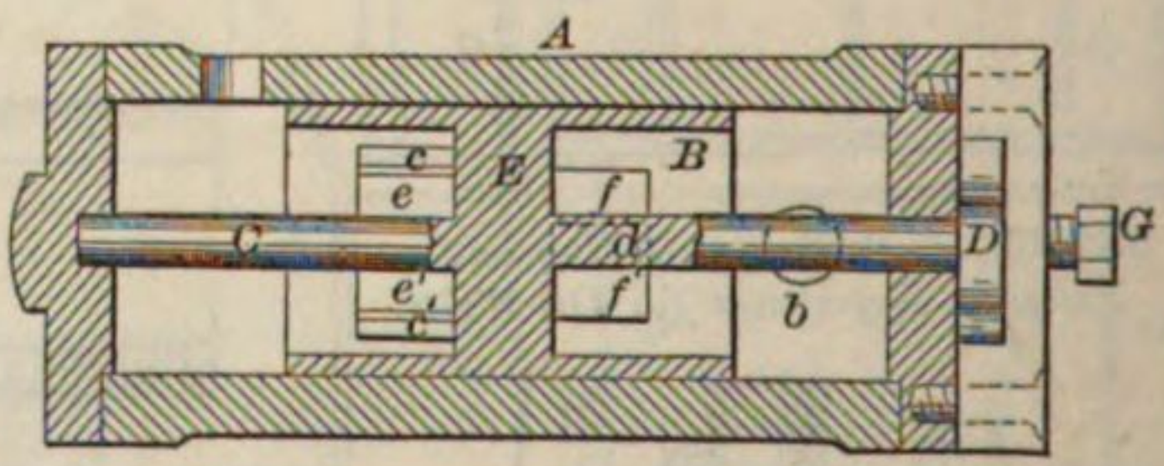


Fig. 14

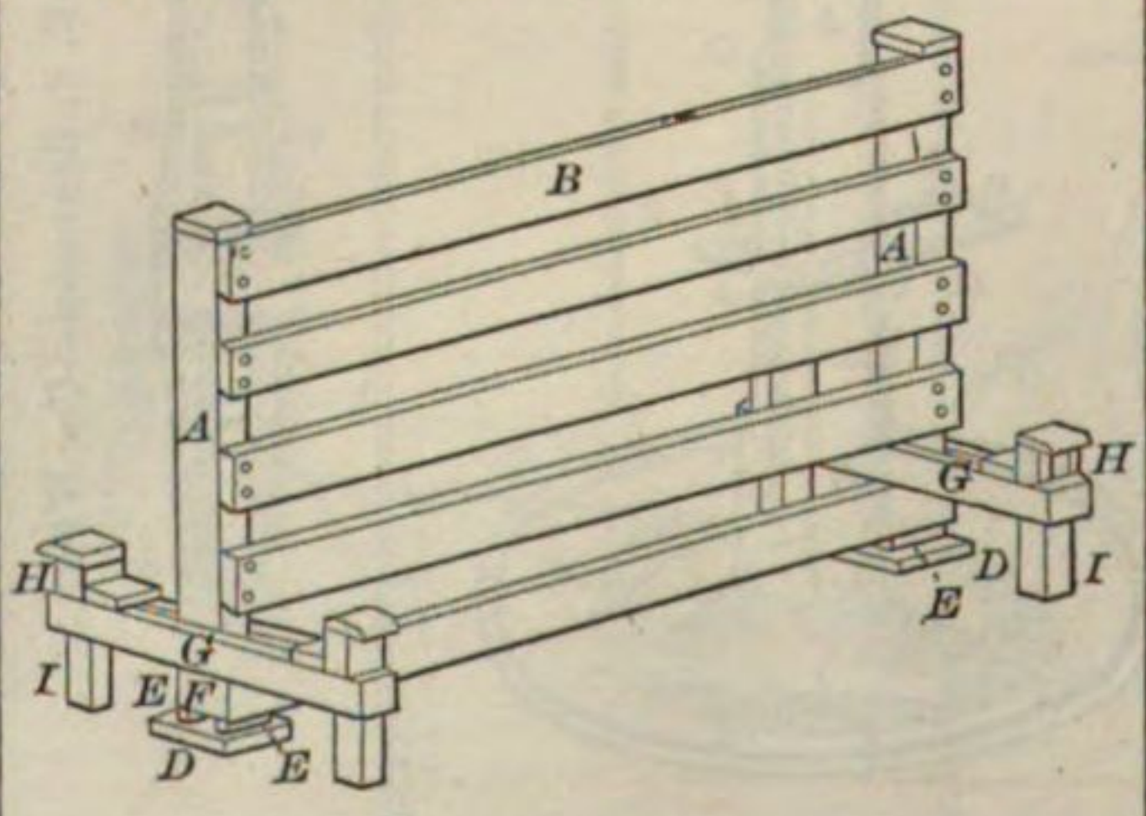
58305—G. T. Savary—*Pea Sheller.*



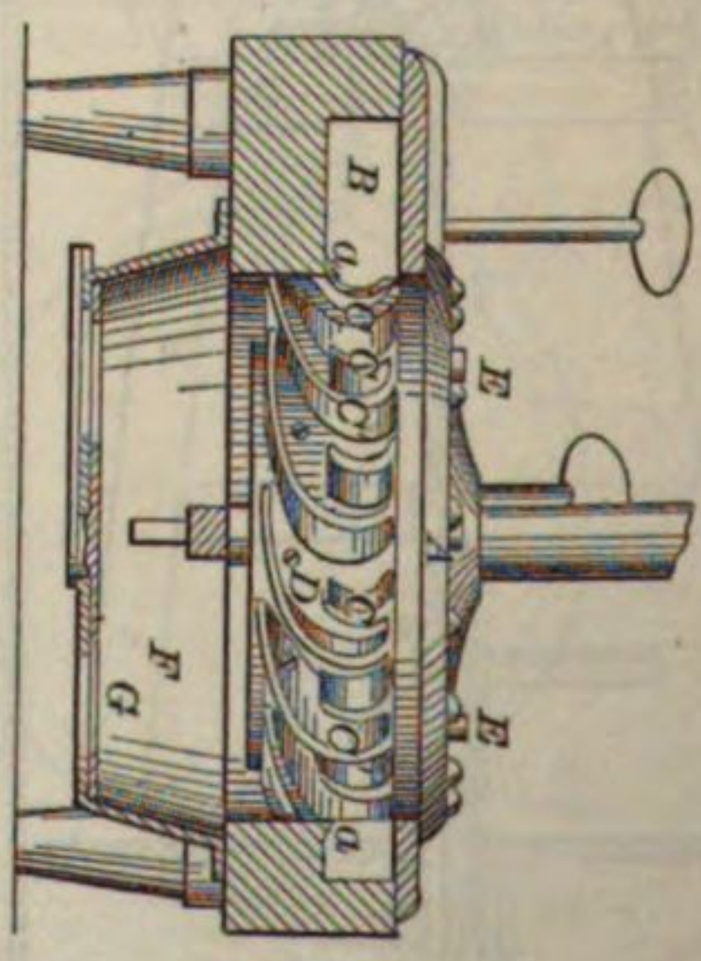
58307—D. Sexton—*Rotary Valve.*



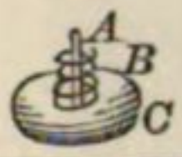
58308—J. W. Shankland—*Fence.*



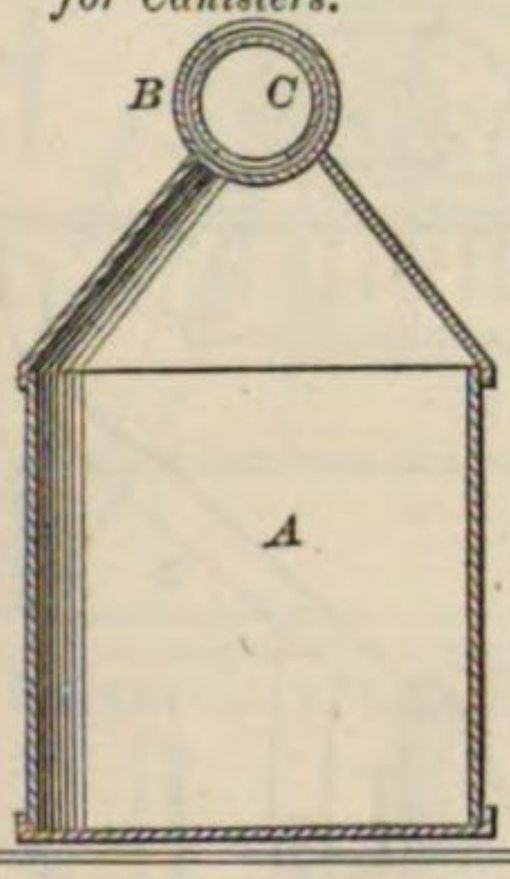
58309—S. Sherman—*Water Wheel.*



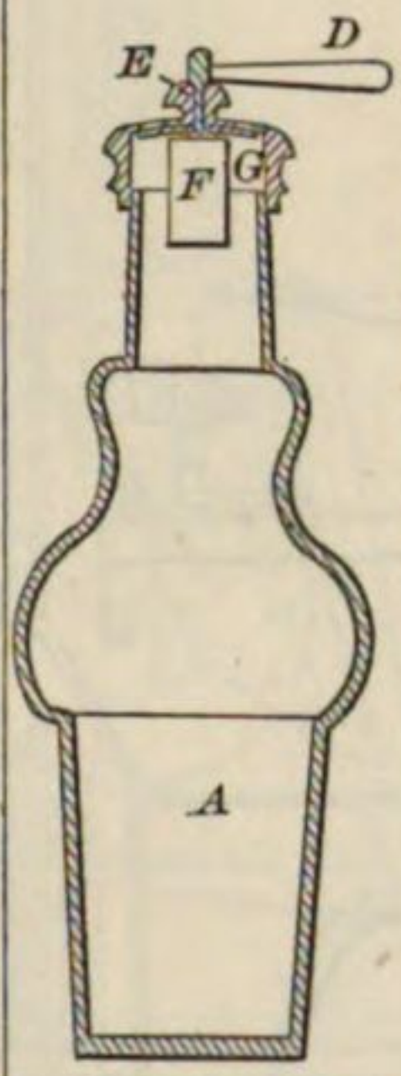
58310—A. M. Smith—*Button.*



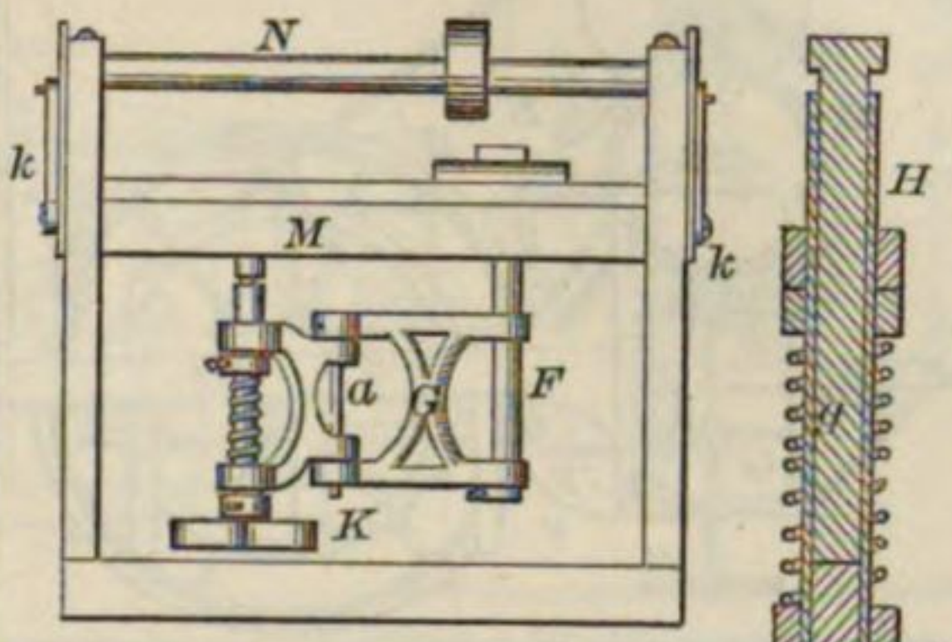
58311—W. M. Smith—*Measuring Stopple for Canisters.*



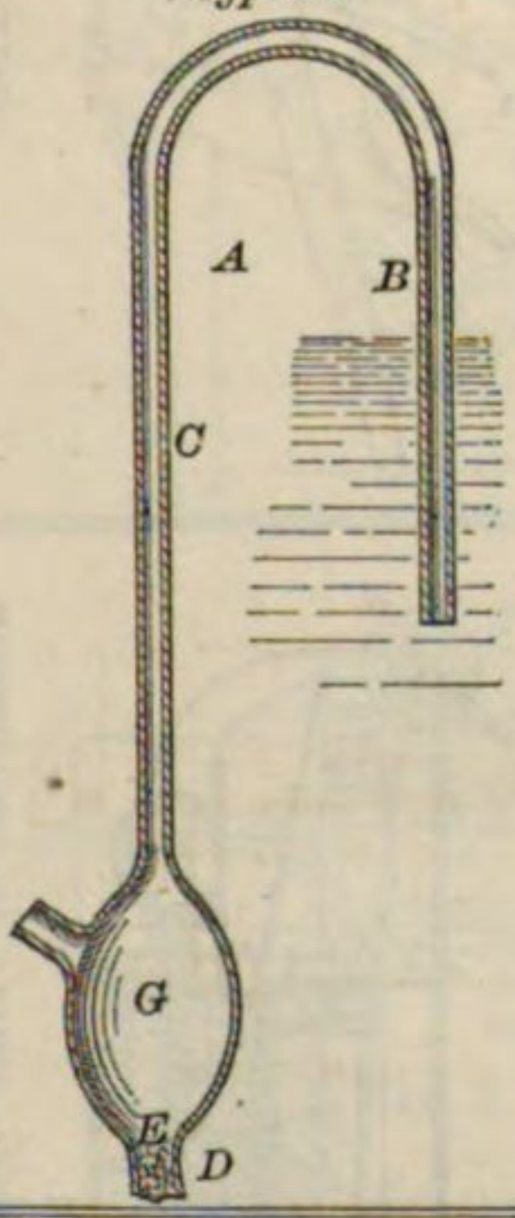
58312—L. Soehlmann—*Pepper Caster.*



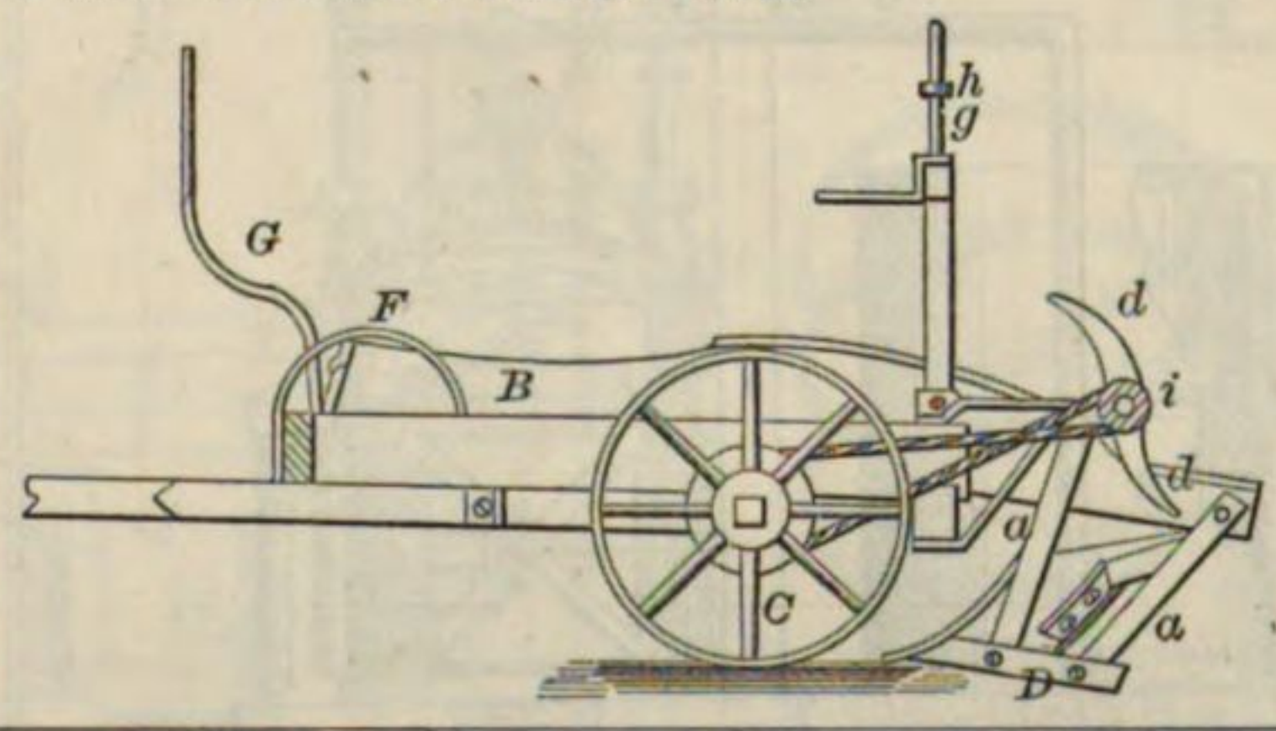
58315—C. S. Stearns—*Leather Cutter.*



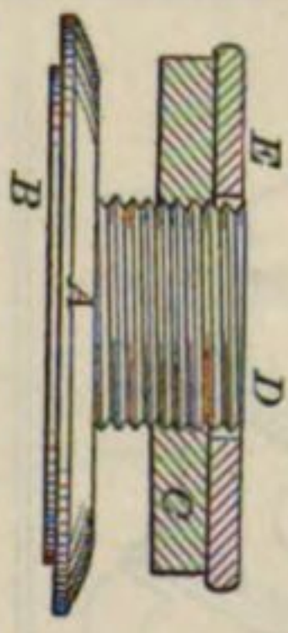
58316—E. I. Stearns—*Syphon.*



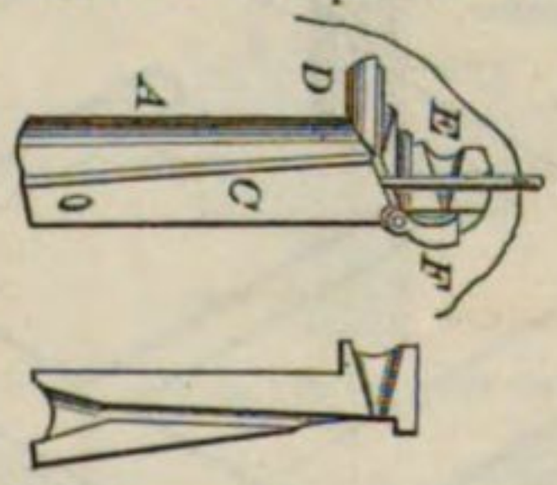
58318—Summers & Dement—*Plow.*



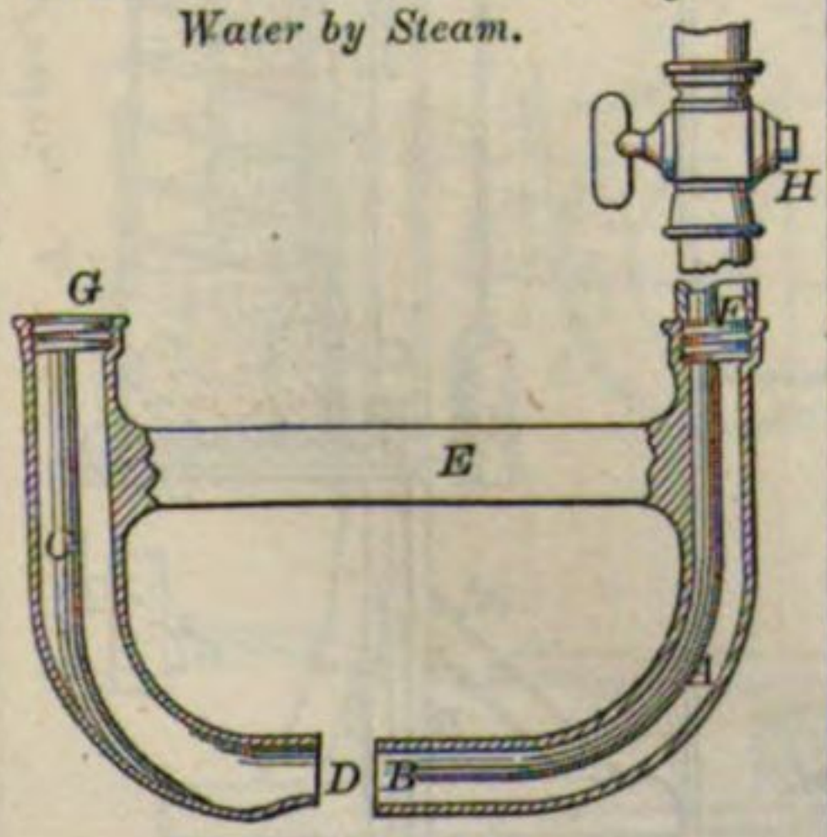
58313—W. B. Soumeillian—*Billiard Table Leg Attachment.*



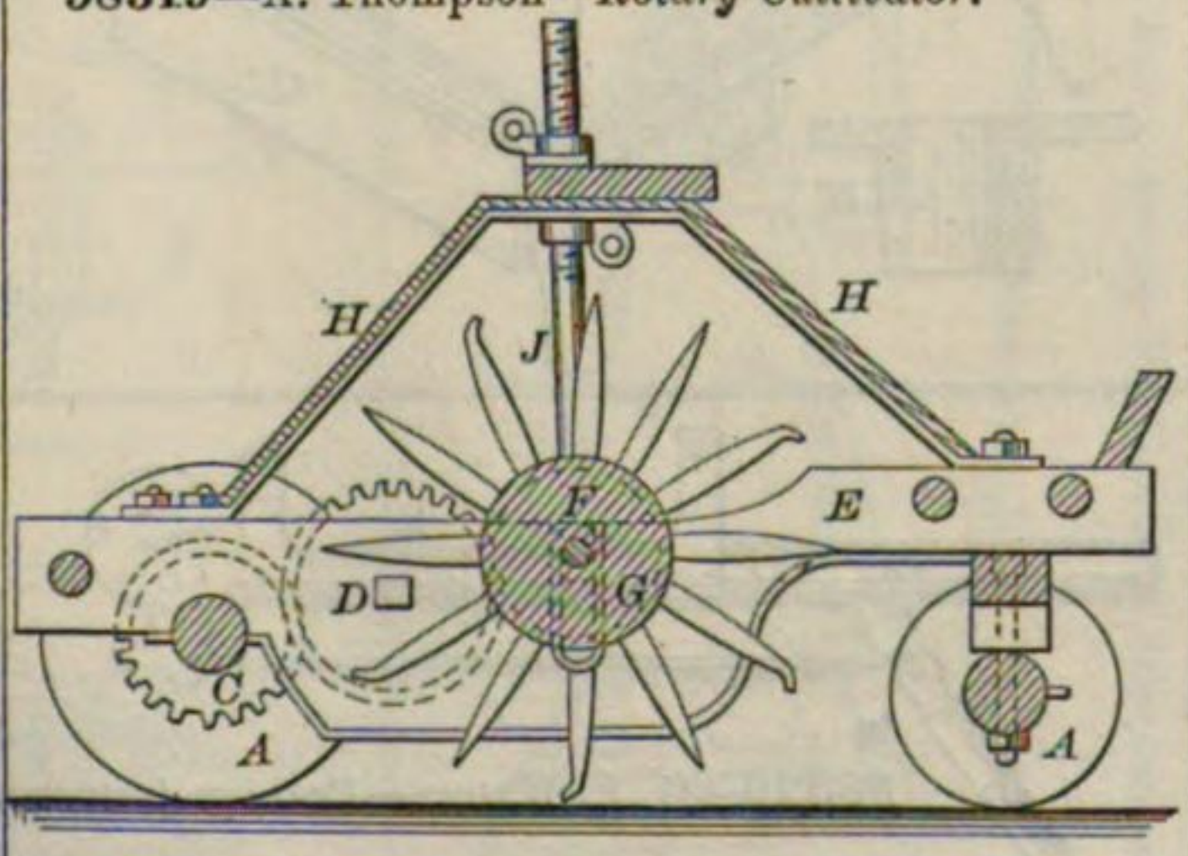
58314—C. L. Spencer—*Needle Threader.*



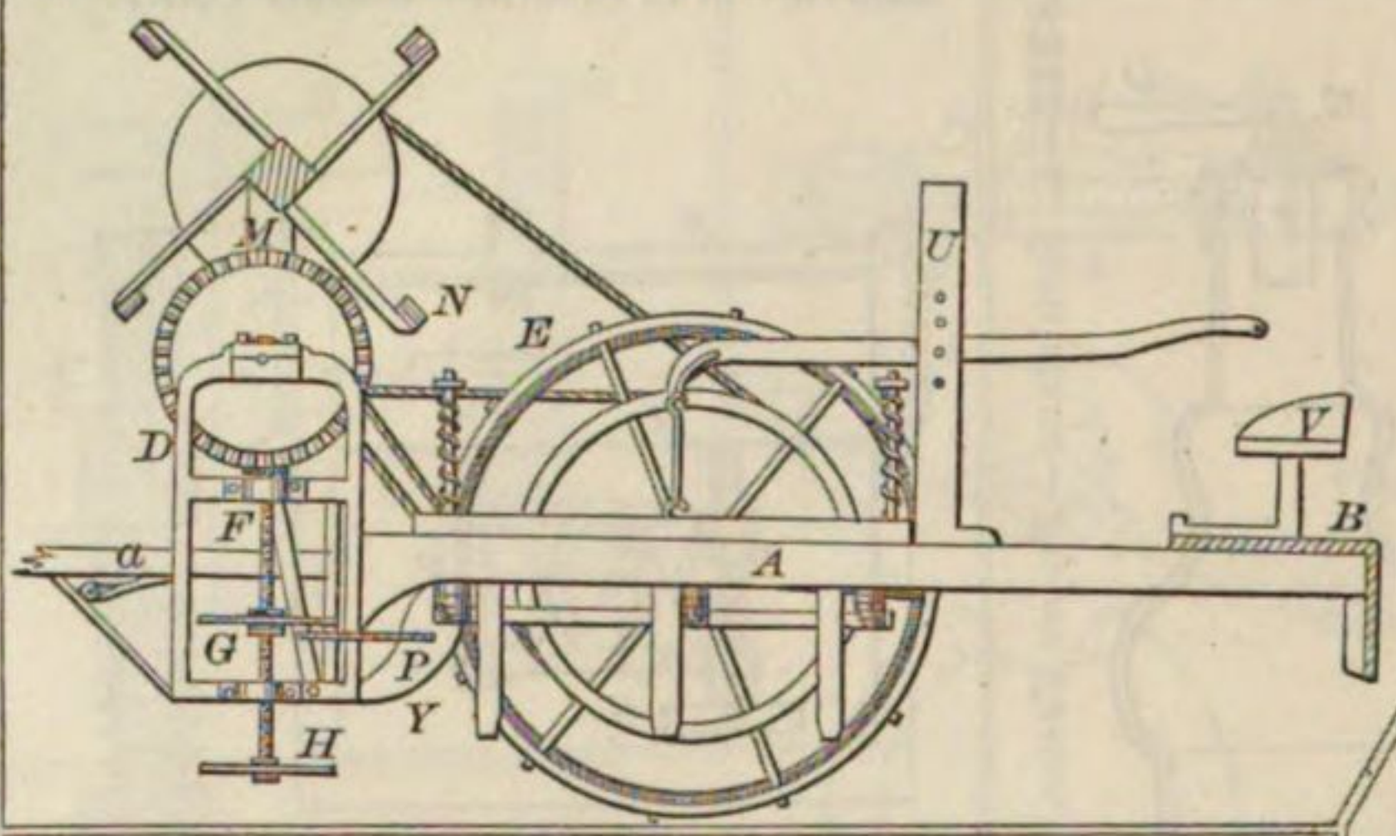
58317—J. W. Stiles—*Raising Water by Steam.*



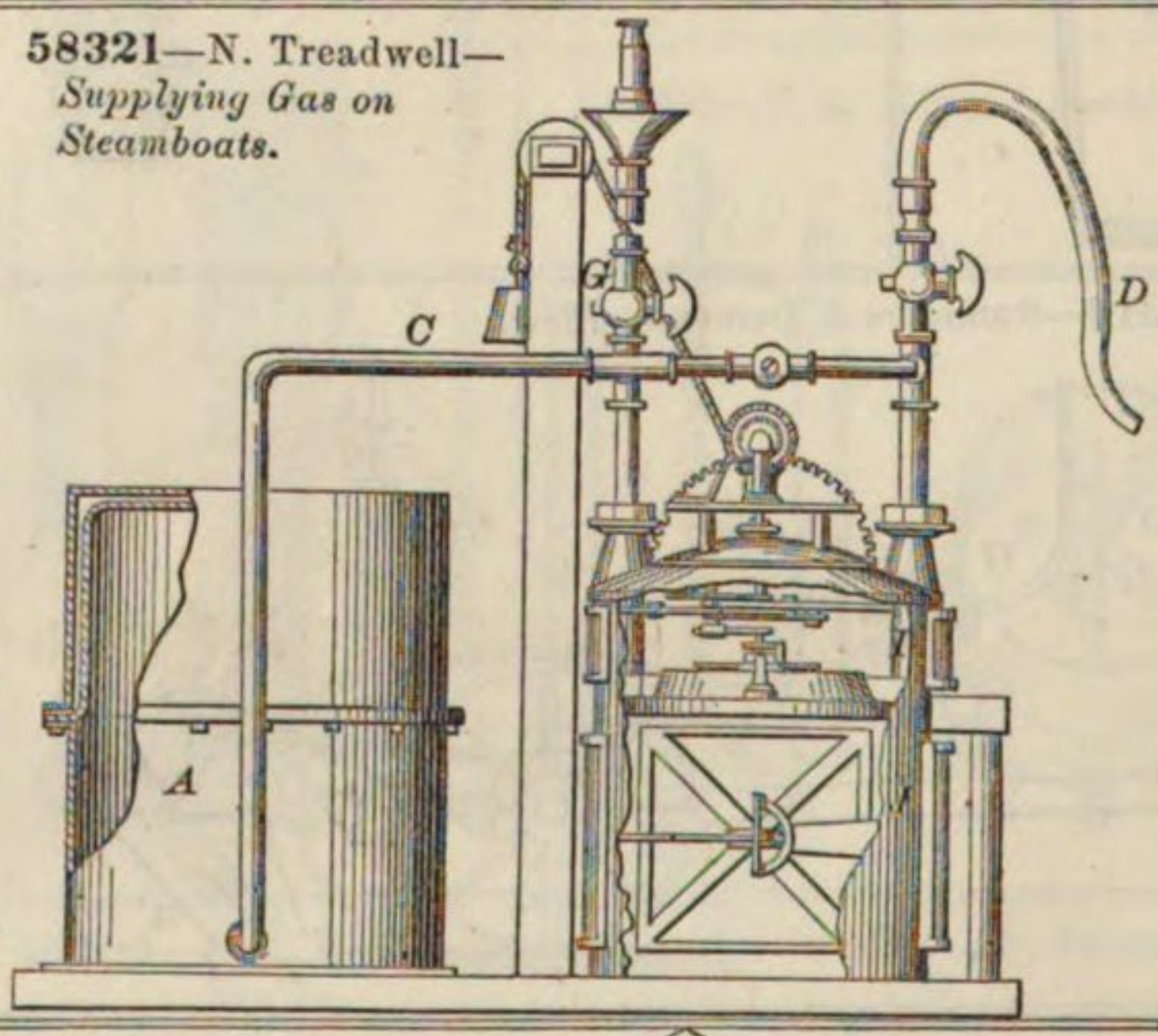
58319—A. Thompson—*Rotary Cultivator.*



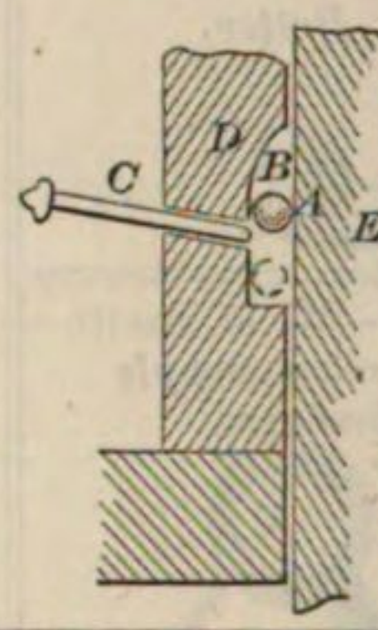
58320—D. J. Tittle—*Corn Harvester.*



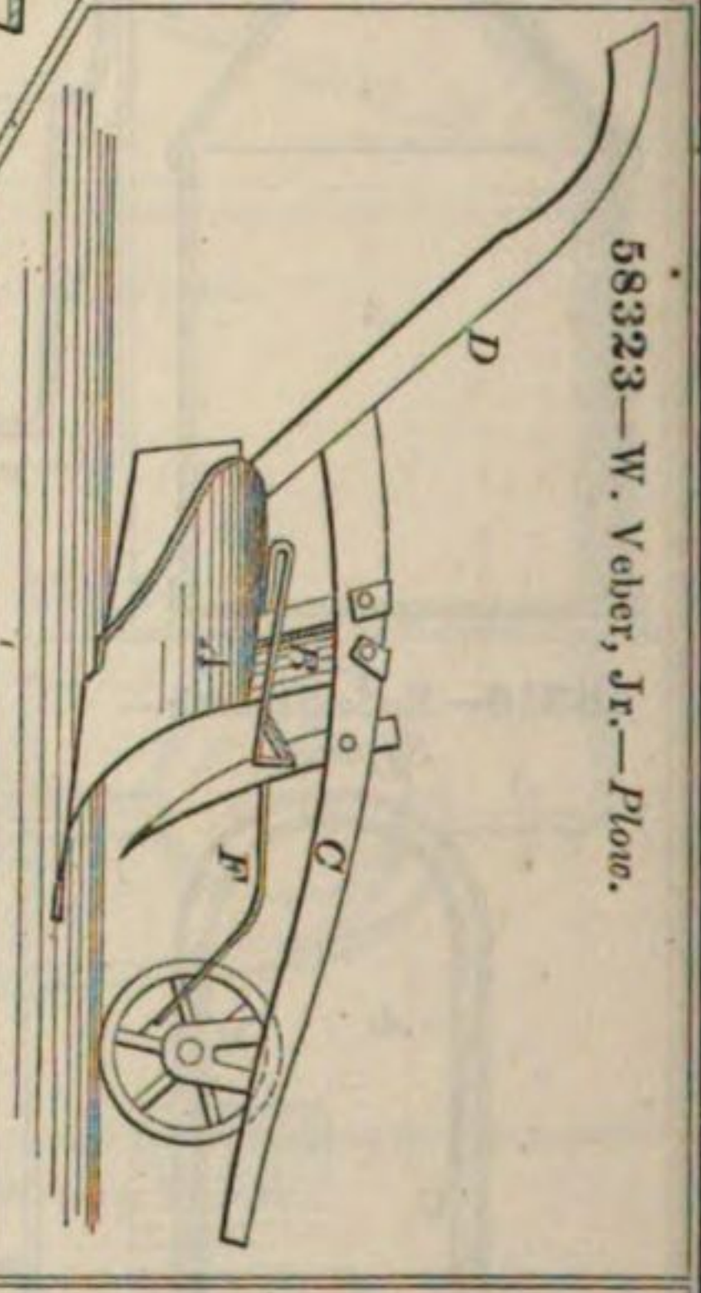
58321—N. Treadwell—
Supplying Gas on Steamboats.



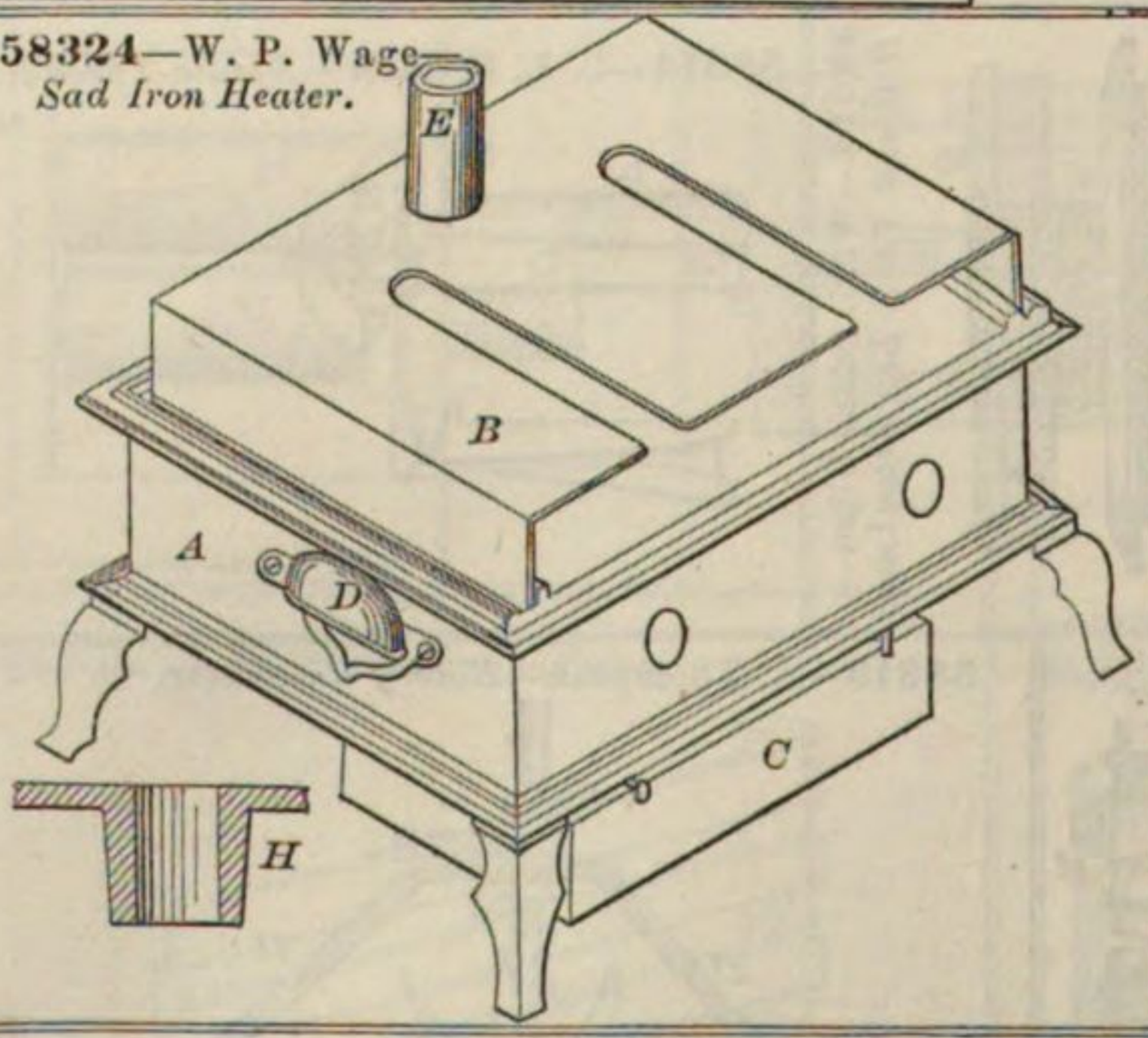
58322—W. S. Van Hoesen—
Sash Supporter.



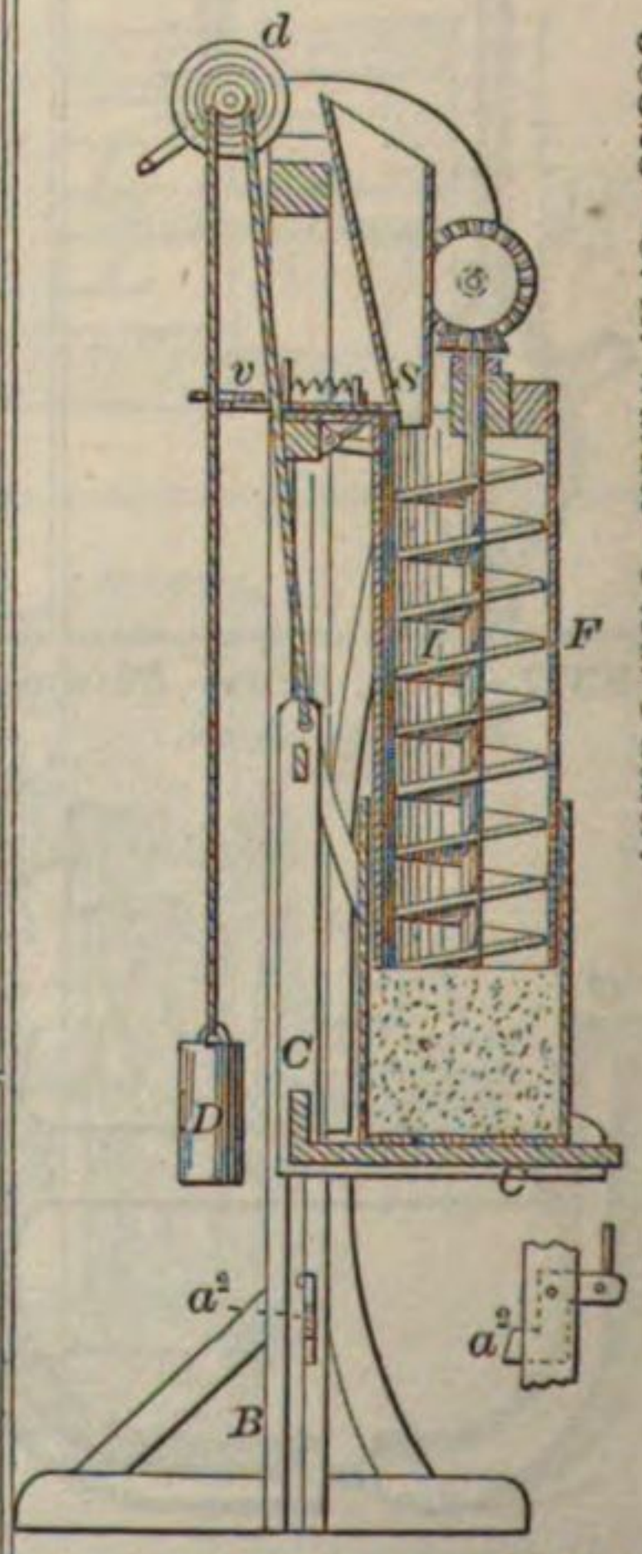
58323—W. Veber, Jr.—*Plow.*



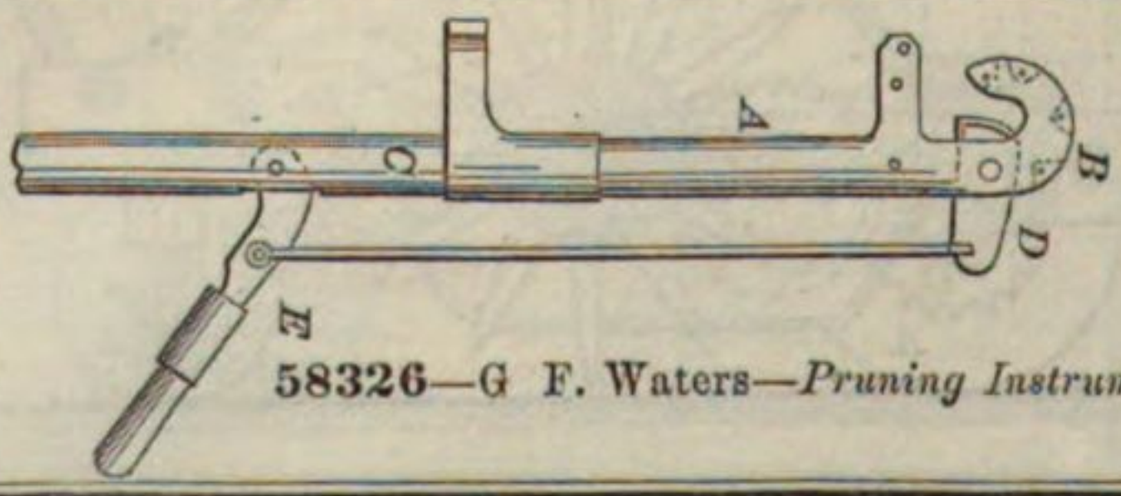
58324—W. P. Wage—
Sad Iron Heater.



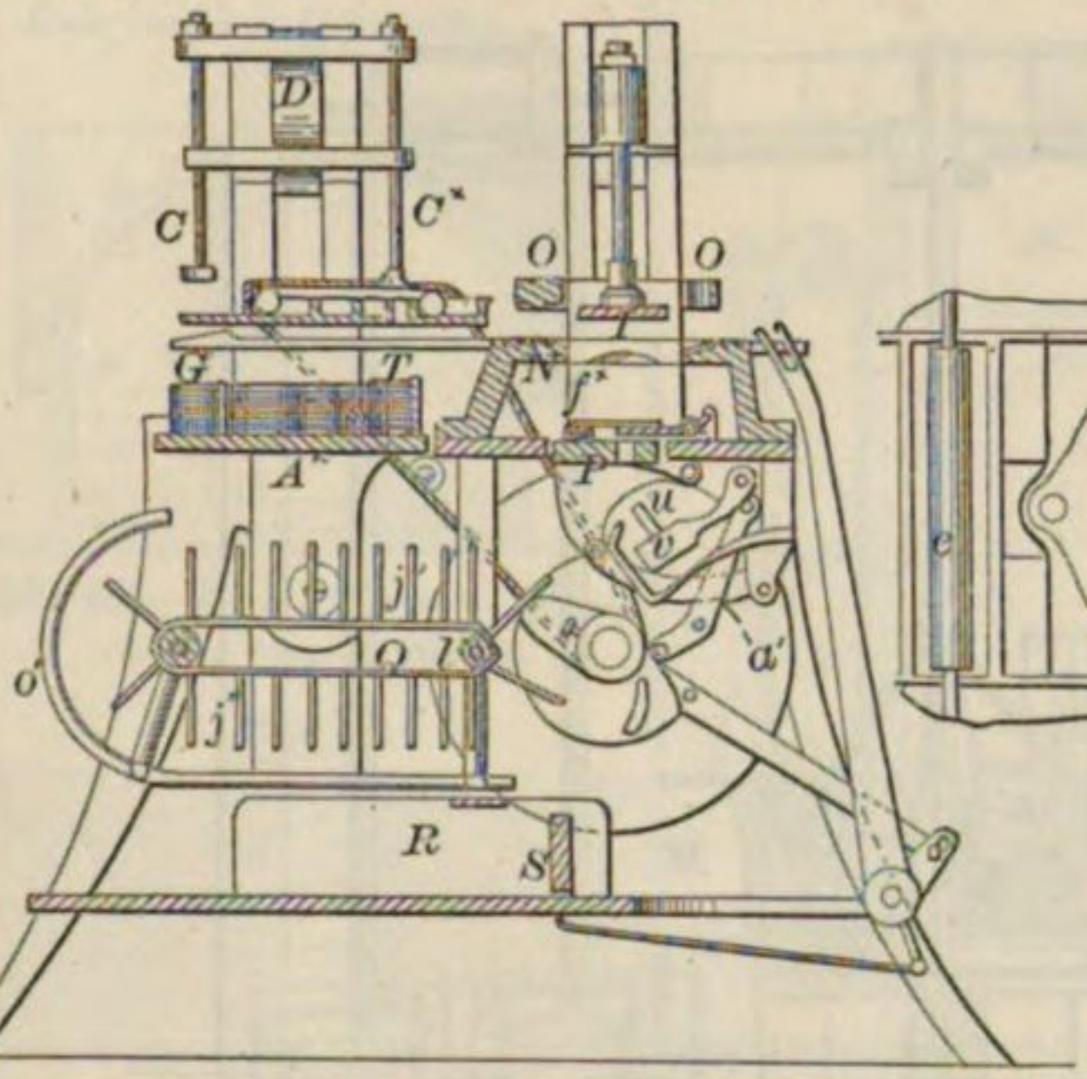
58325—G. A. Warner—*Flour Packer.*

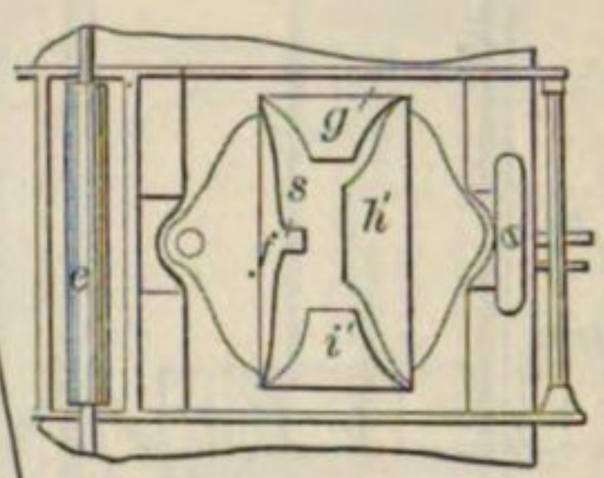


58326—G F. Waters—*Pruning Instrument.*

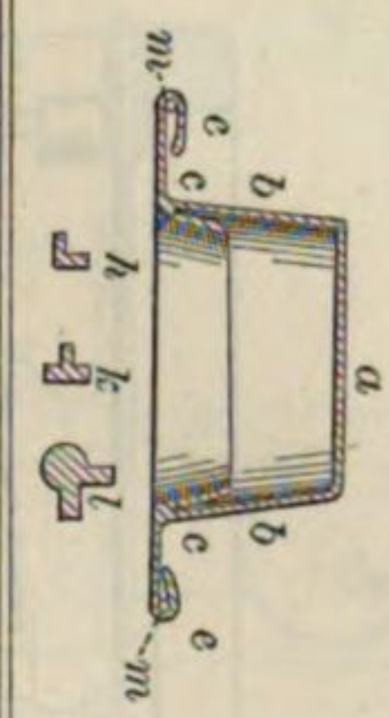


58327—T. V. Waymoth—*Envelope Machine.*

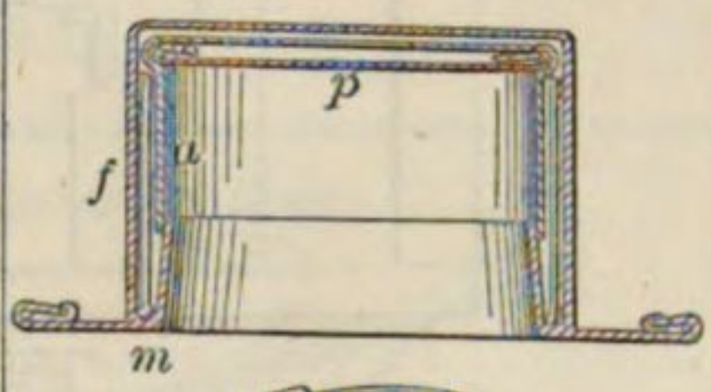


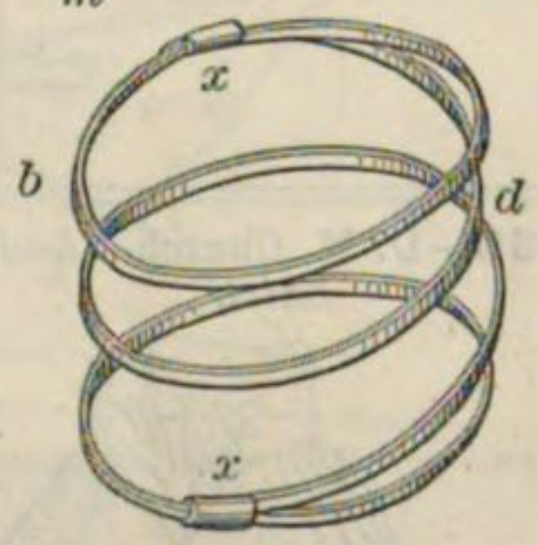


58328—W. H. White—*Hat.*

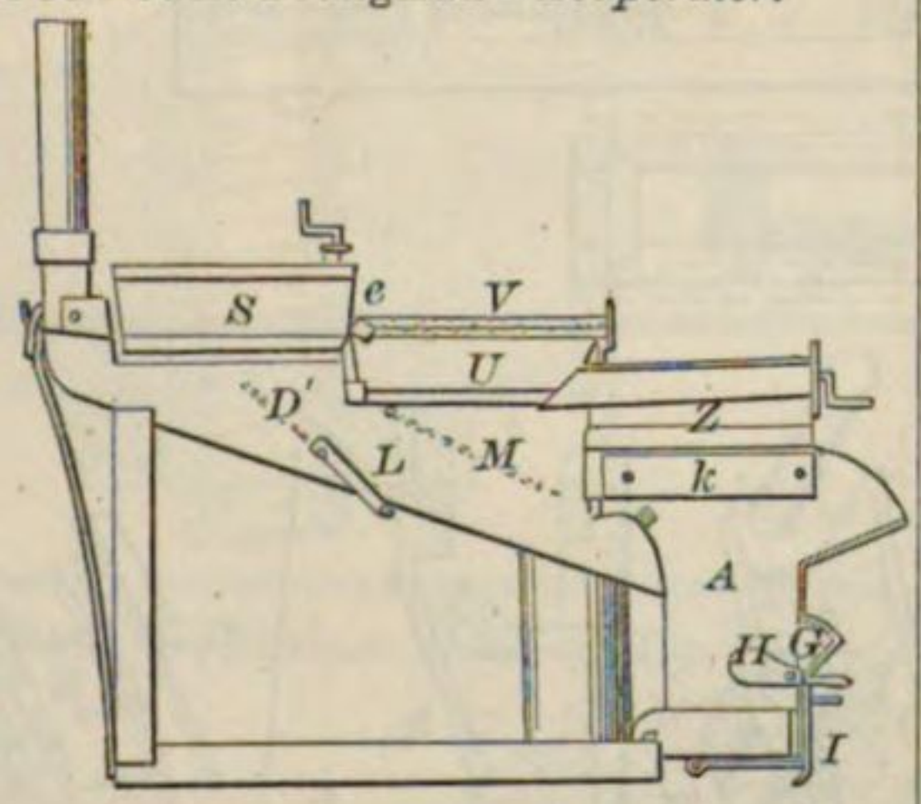


58329—W. H. White—*Hat.*





58331—J. E. Youngman—*Evaporator.*



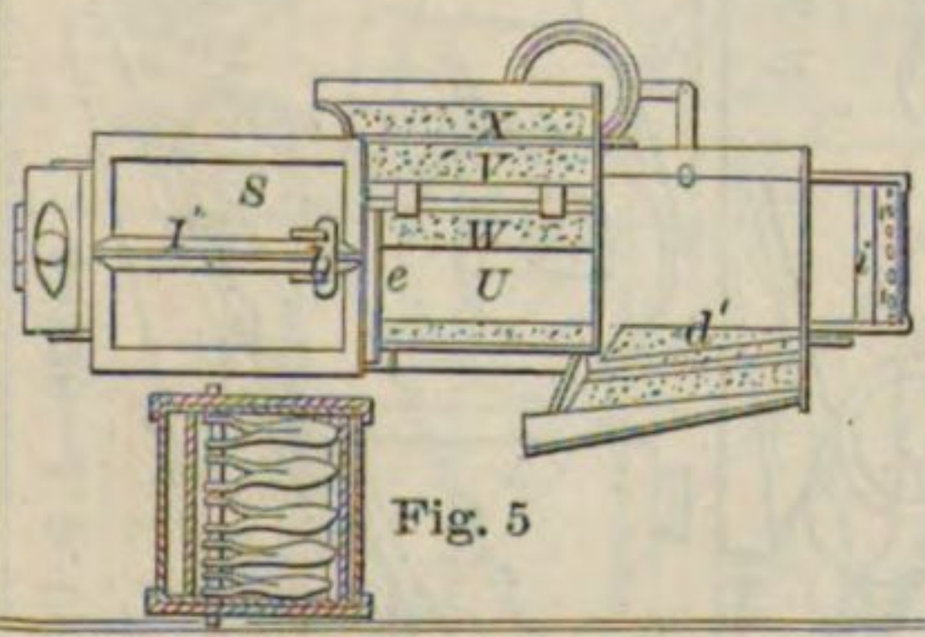
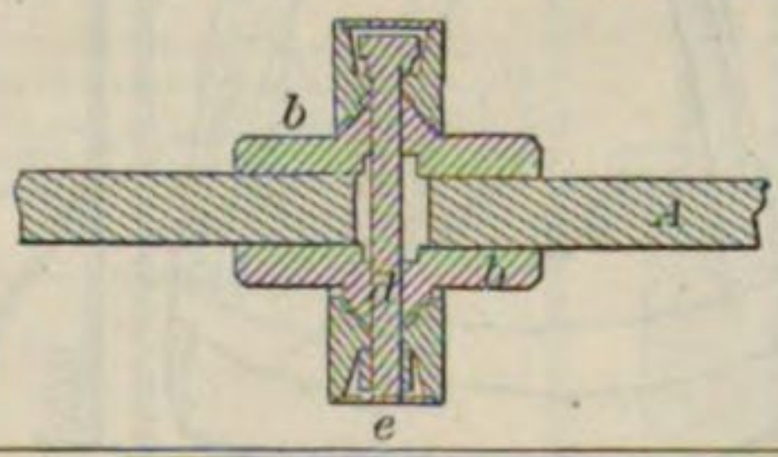


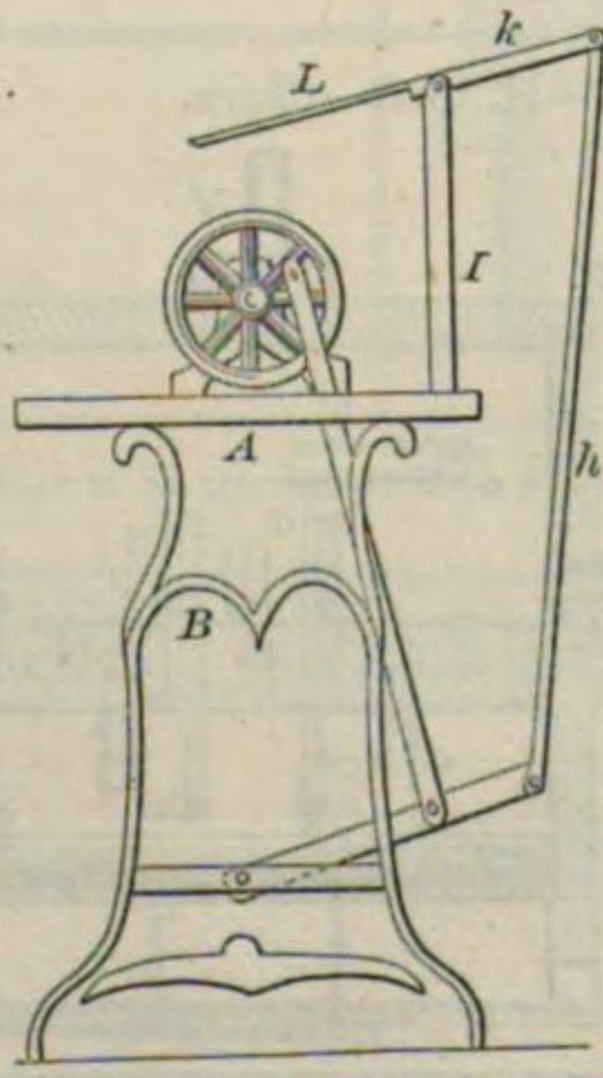
Fig. 5

58332—A. W. Browne—*Button.*

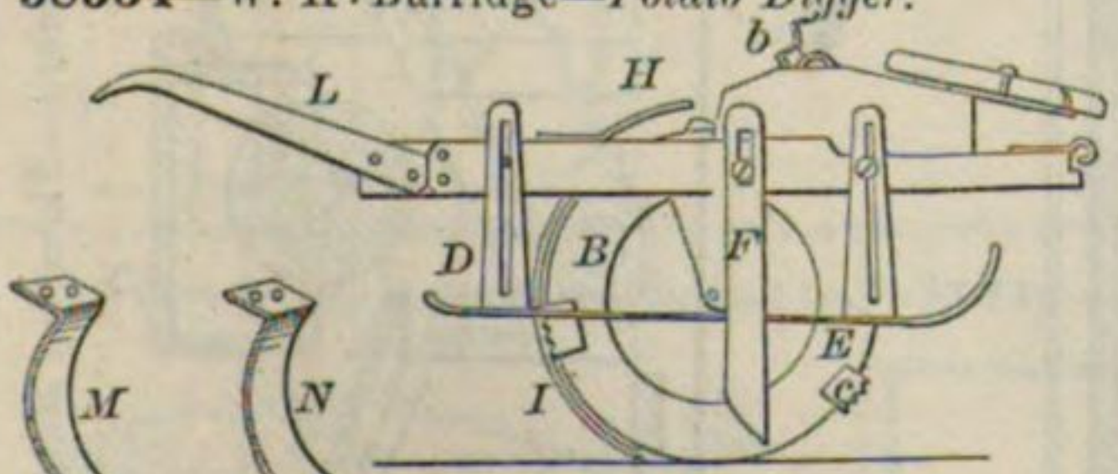
58330—J. L. Winslow—*Shaft Coupling.*

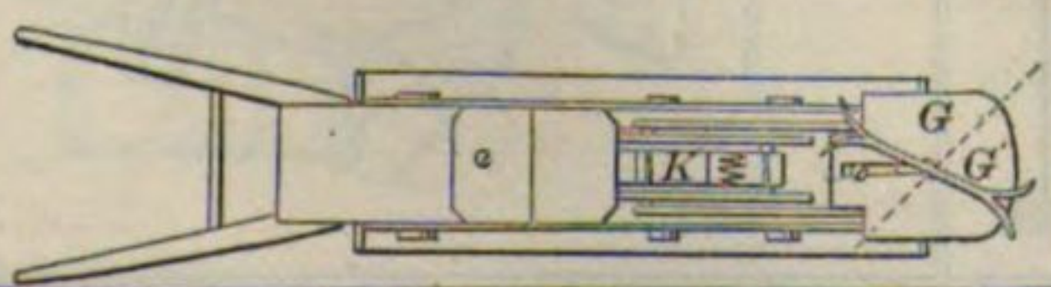


58333—S. Burr—*Sewing Machine Fan Attachment.*

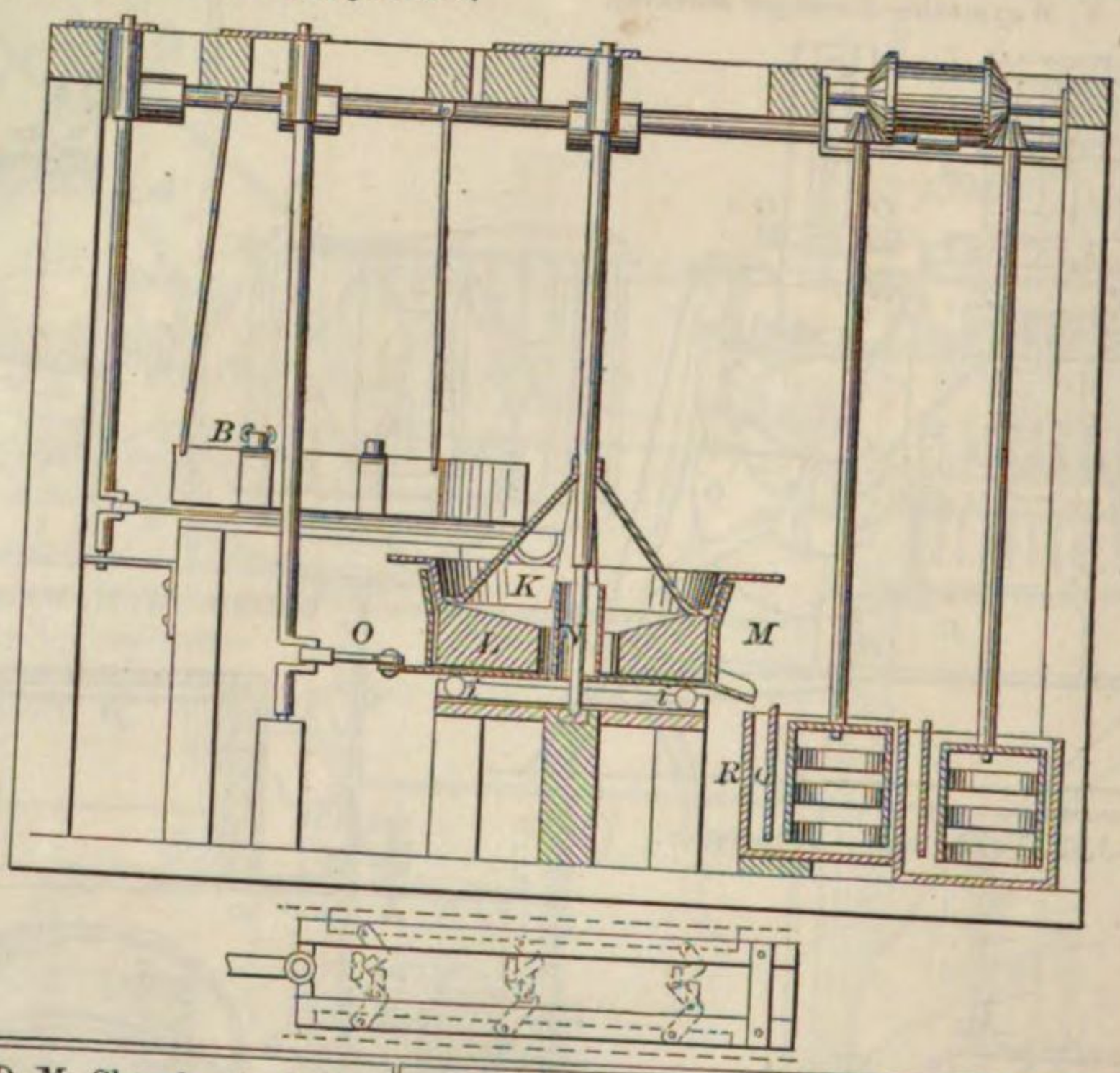


58334—W. H. Burridge—*Potato Digger.*

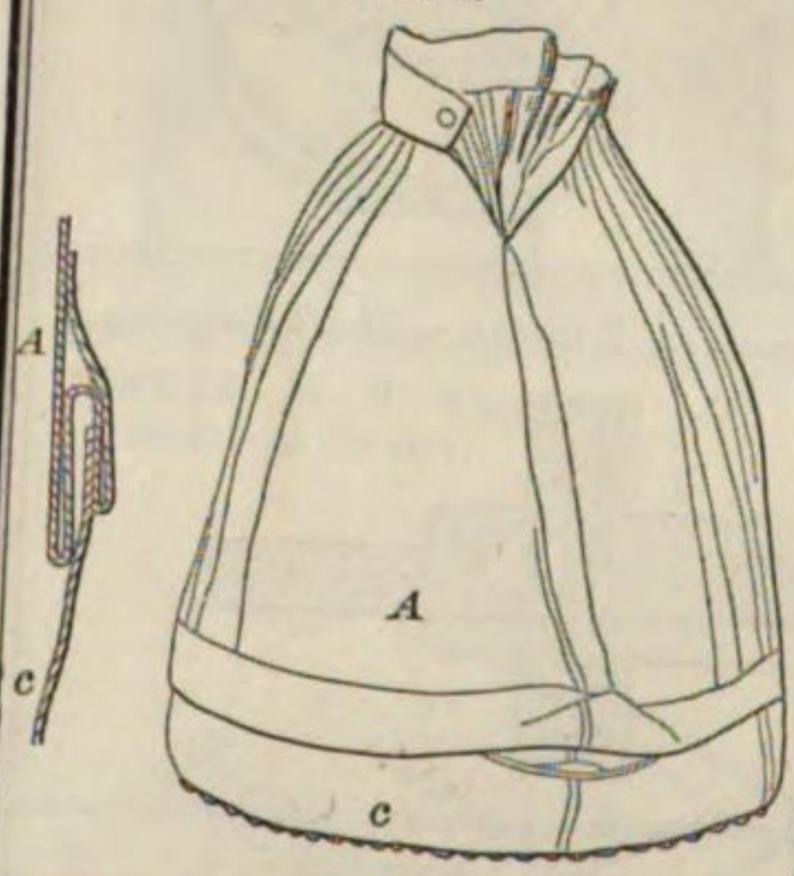




58335—S. F. Charles—*Amalgamator.*



58336—D. M. Church—*Ladies' Skirt.*



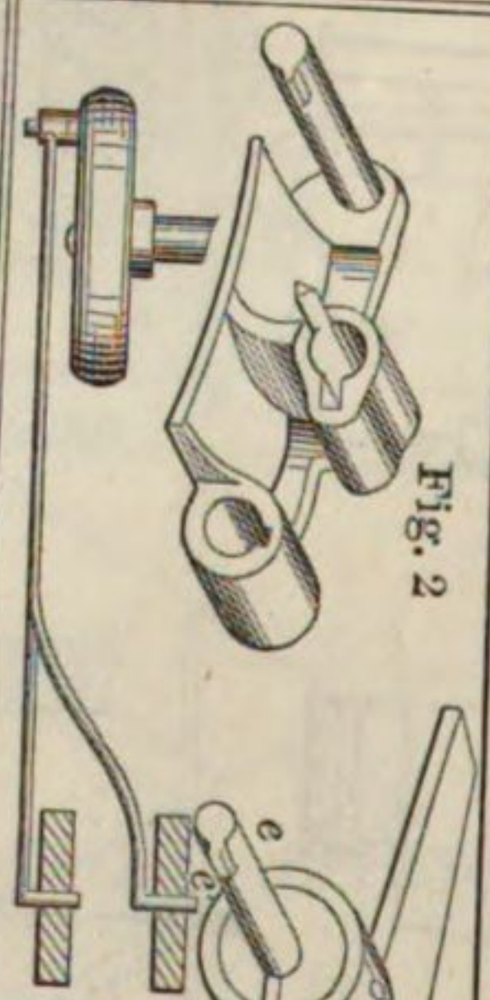
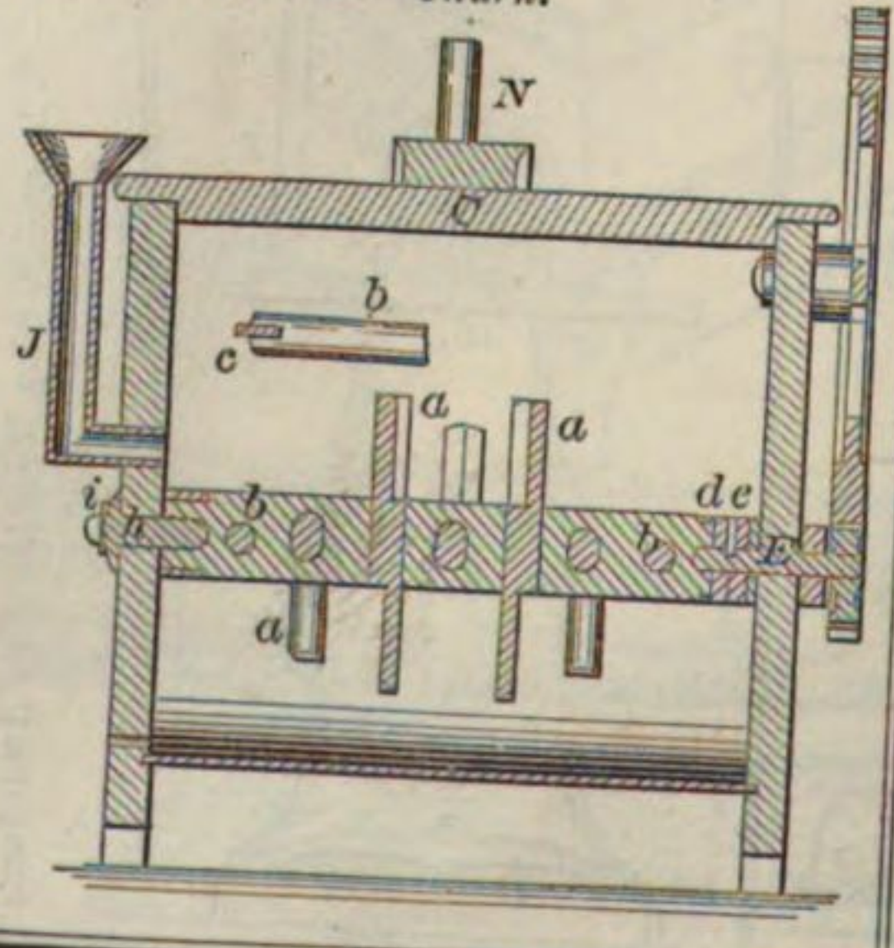
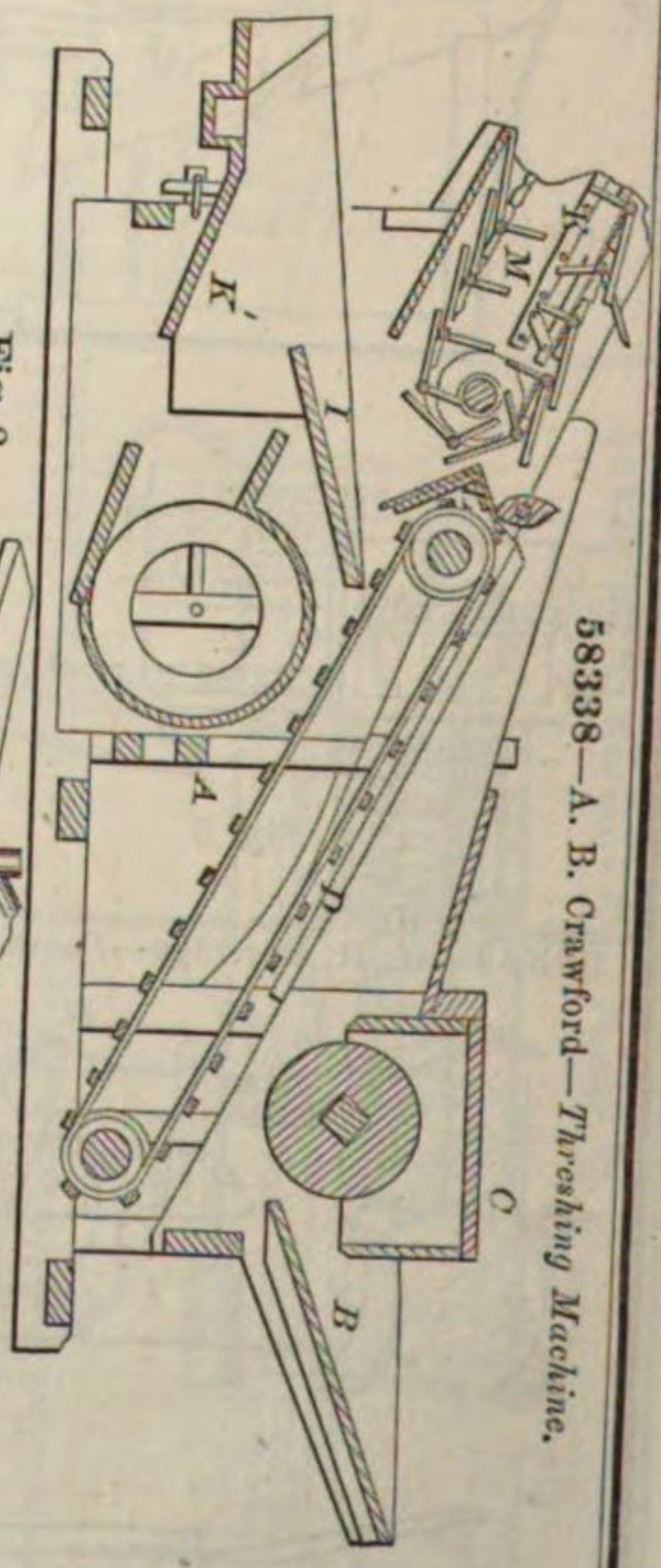


Fig. 2

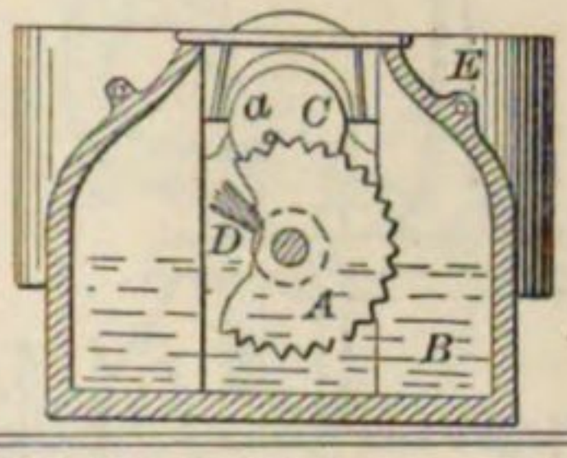
58337—H. Cleft—*Churn.*



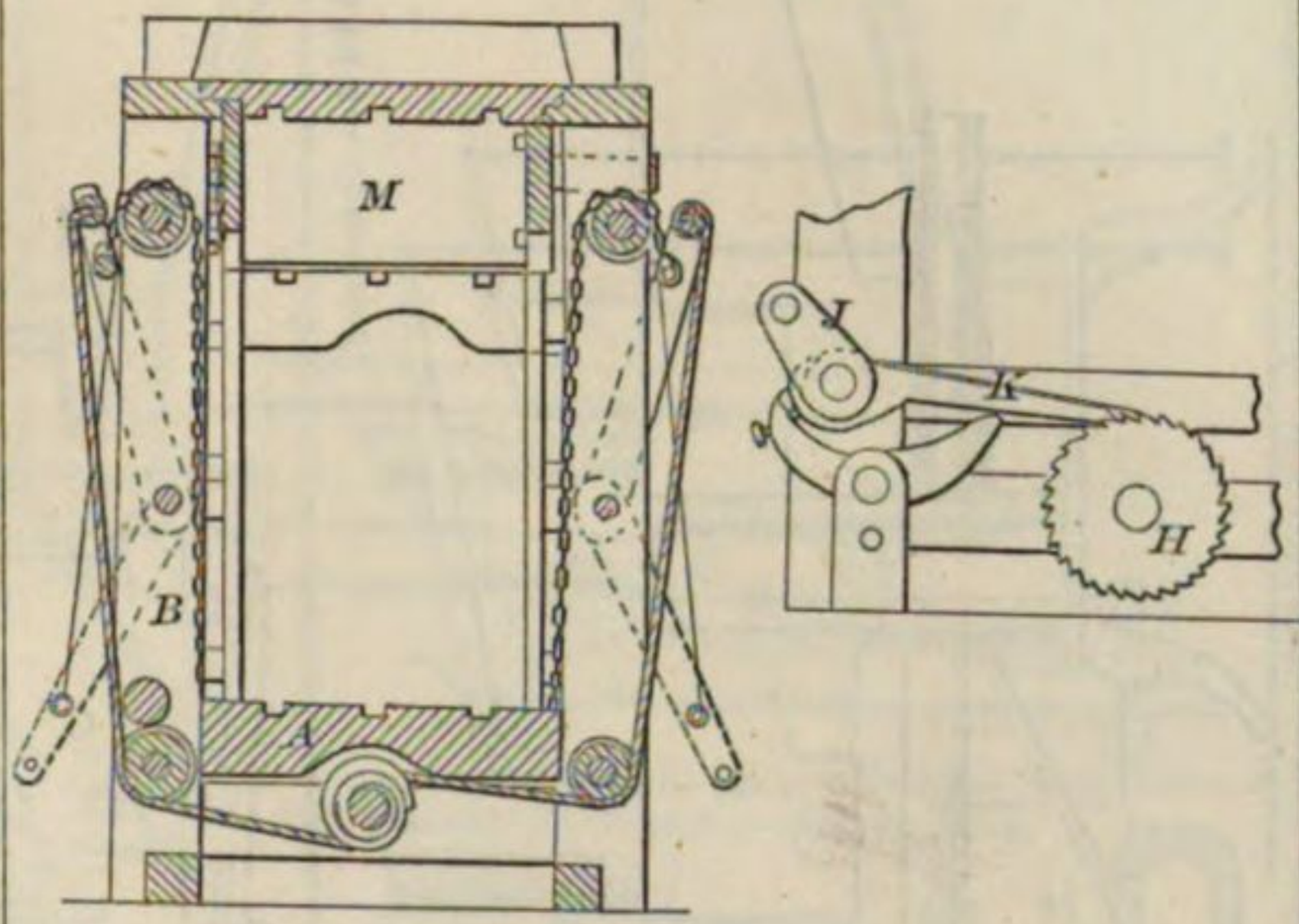
58338—A. B. Crawford—*Threshing Machine.*



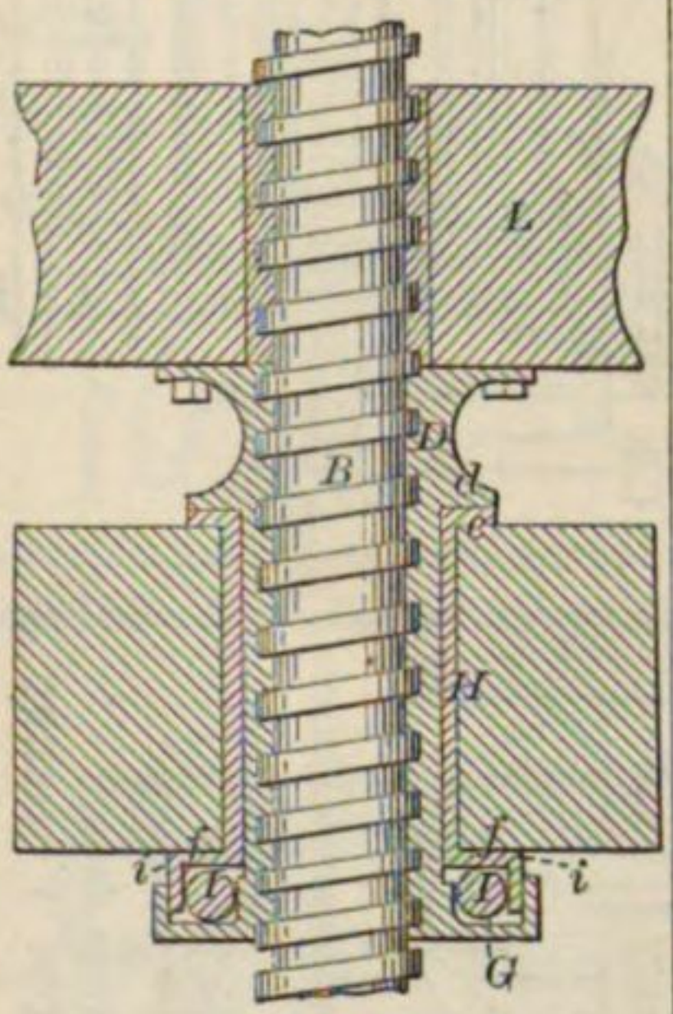
58339—J. C. Eggleston—*Lubricating Apparatus.*



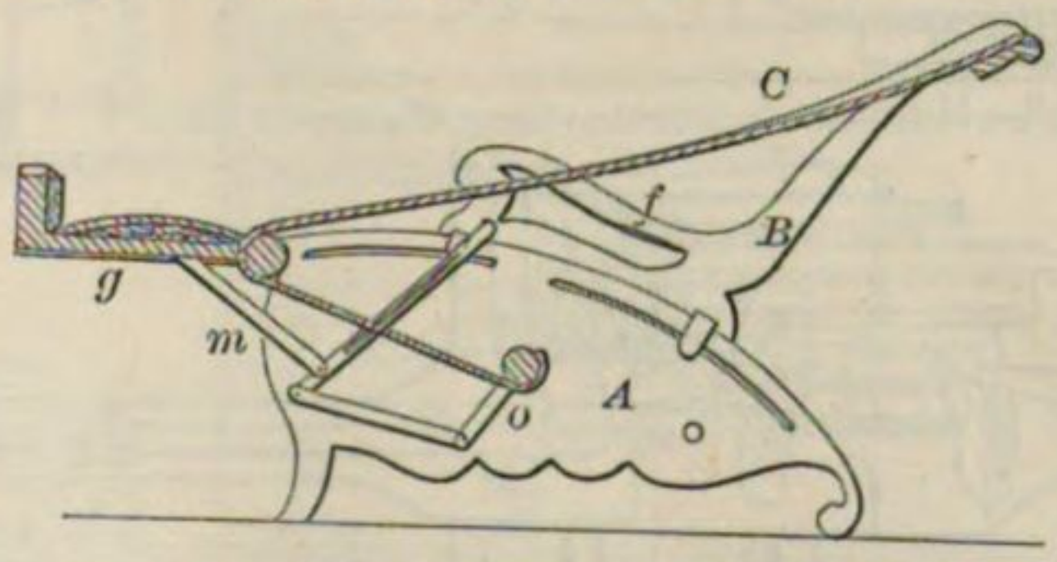
58341—Goodsell & Frisbie—*Cotton and Hay Press.*



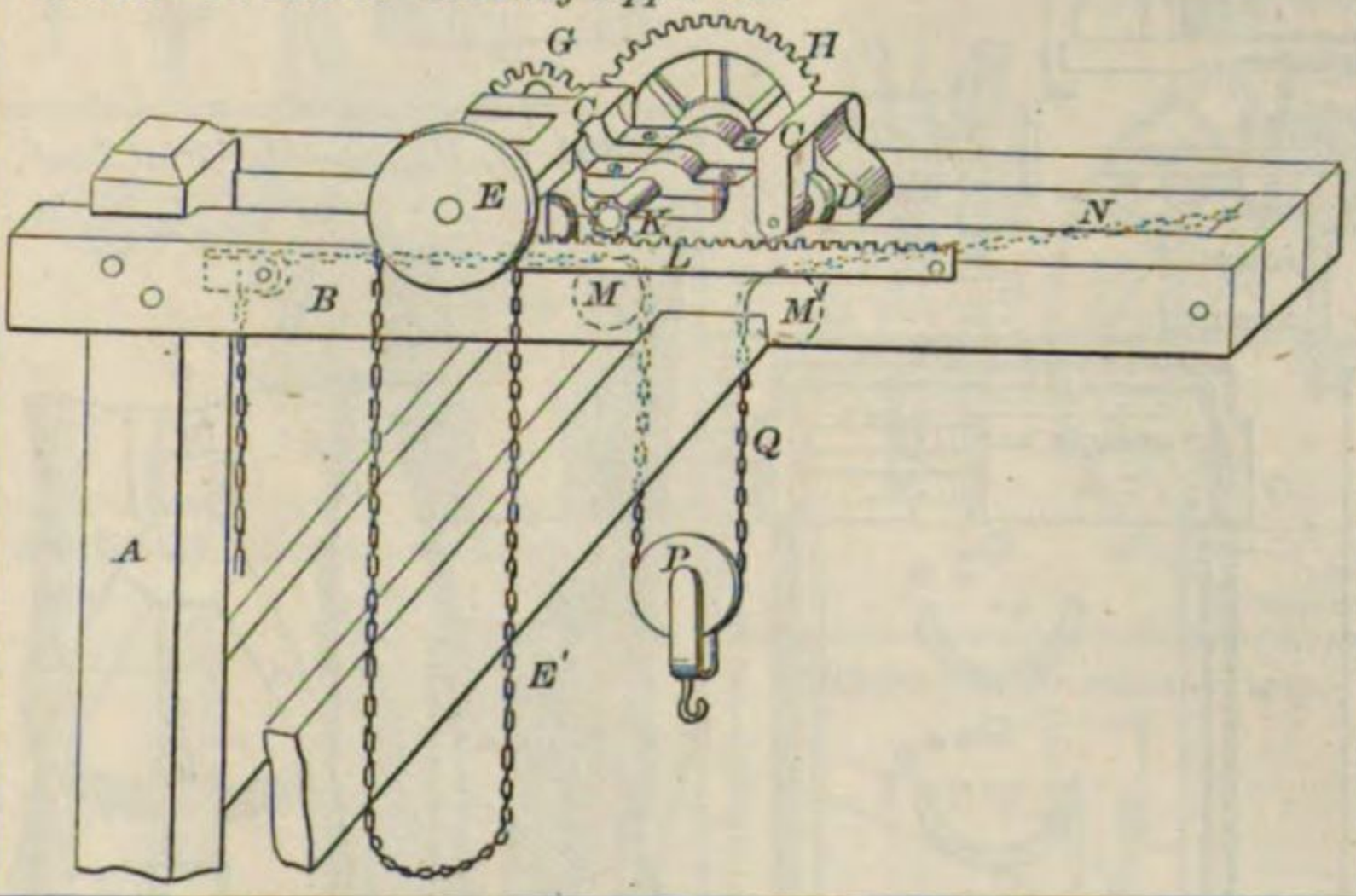
58342—R. H. Gray—*Lifting and Pressing Screw.*



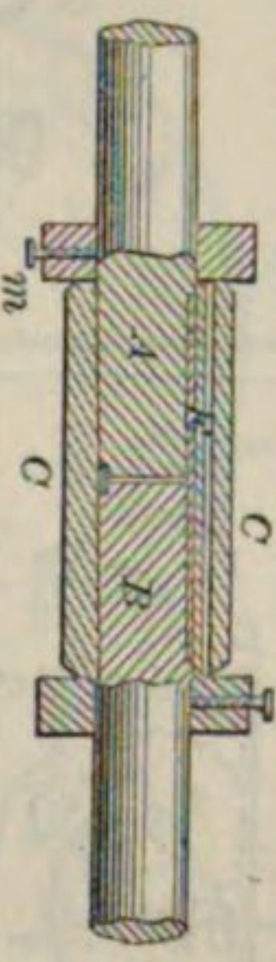
58343—D. B. Hall—*Recumbent Chair.*



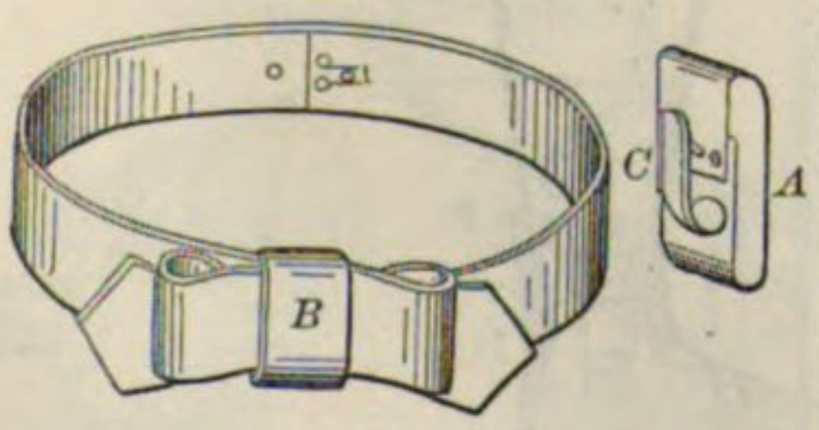
58340—D. Frisbie—*Hoisting Apparatus.*



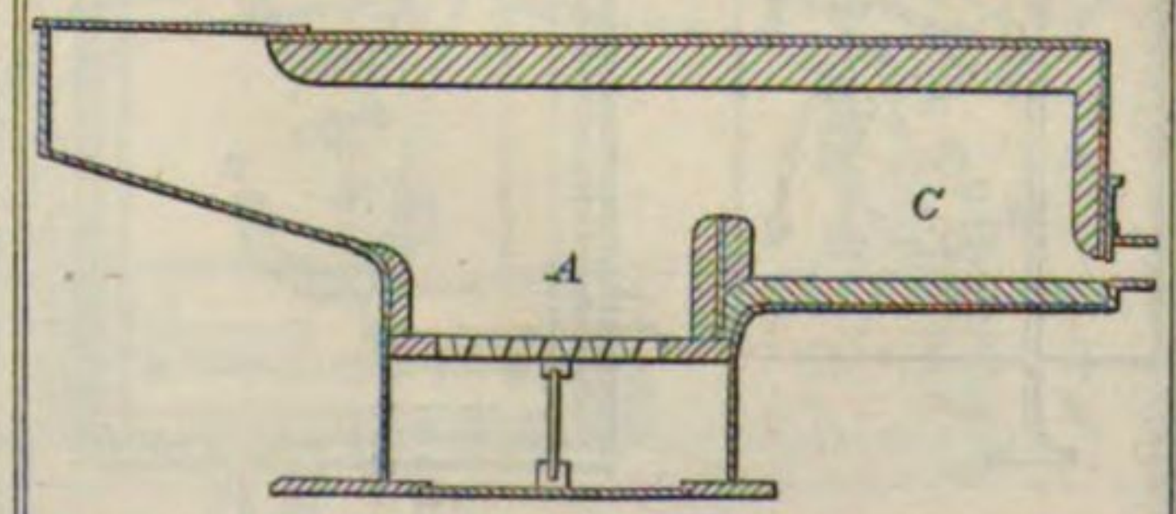
85345—M. Hawkins—*Shaft Coupling.*



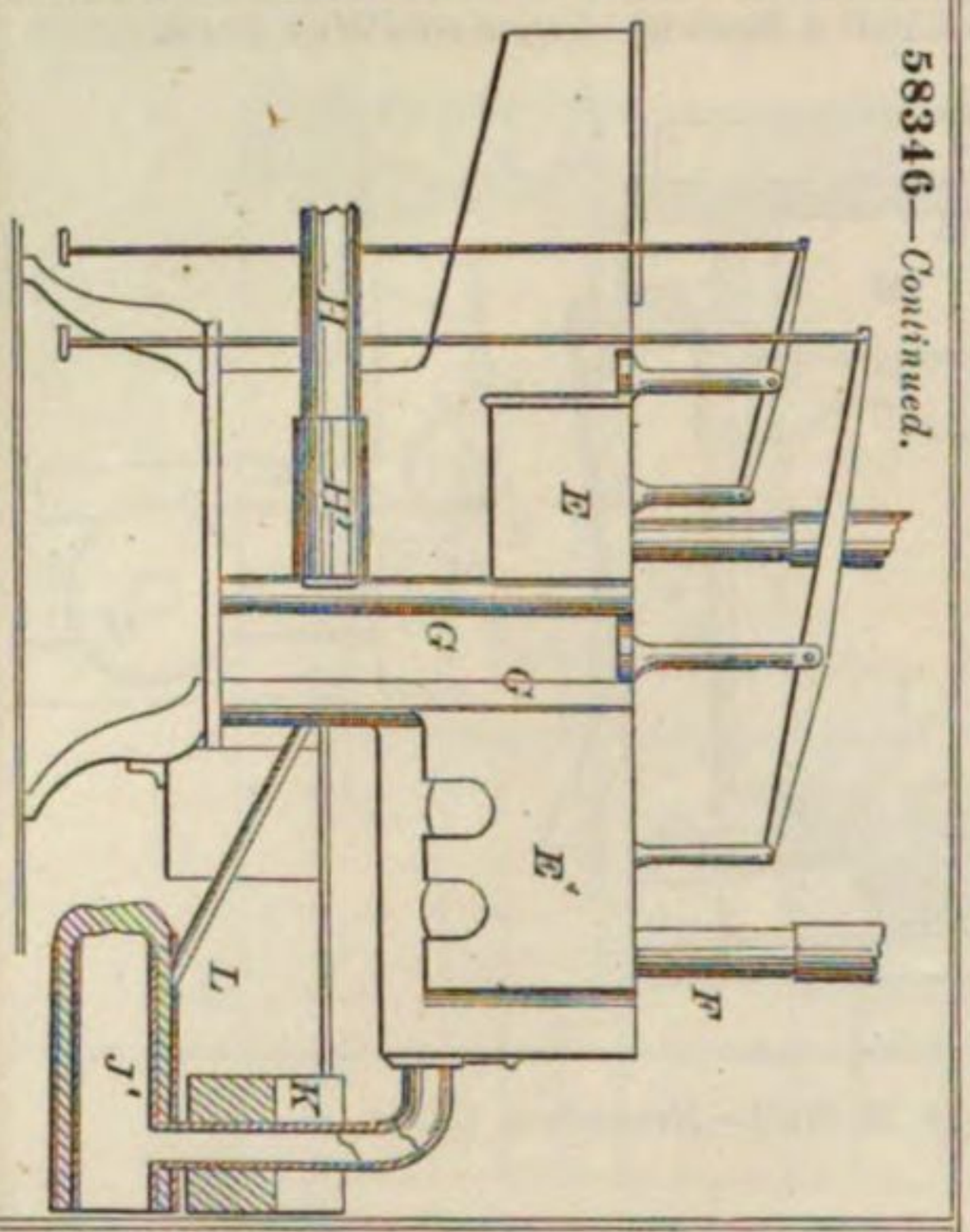
58344—W. H. Halsey—*India Rubber Neck Tie.*



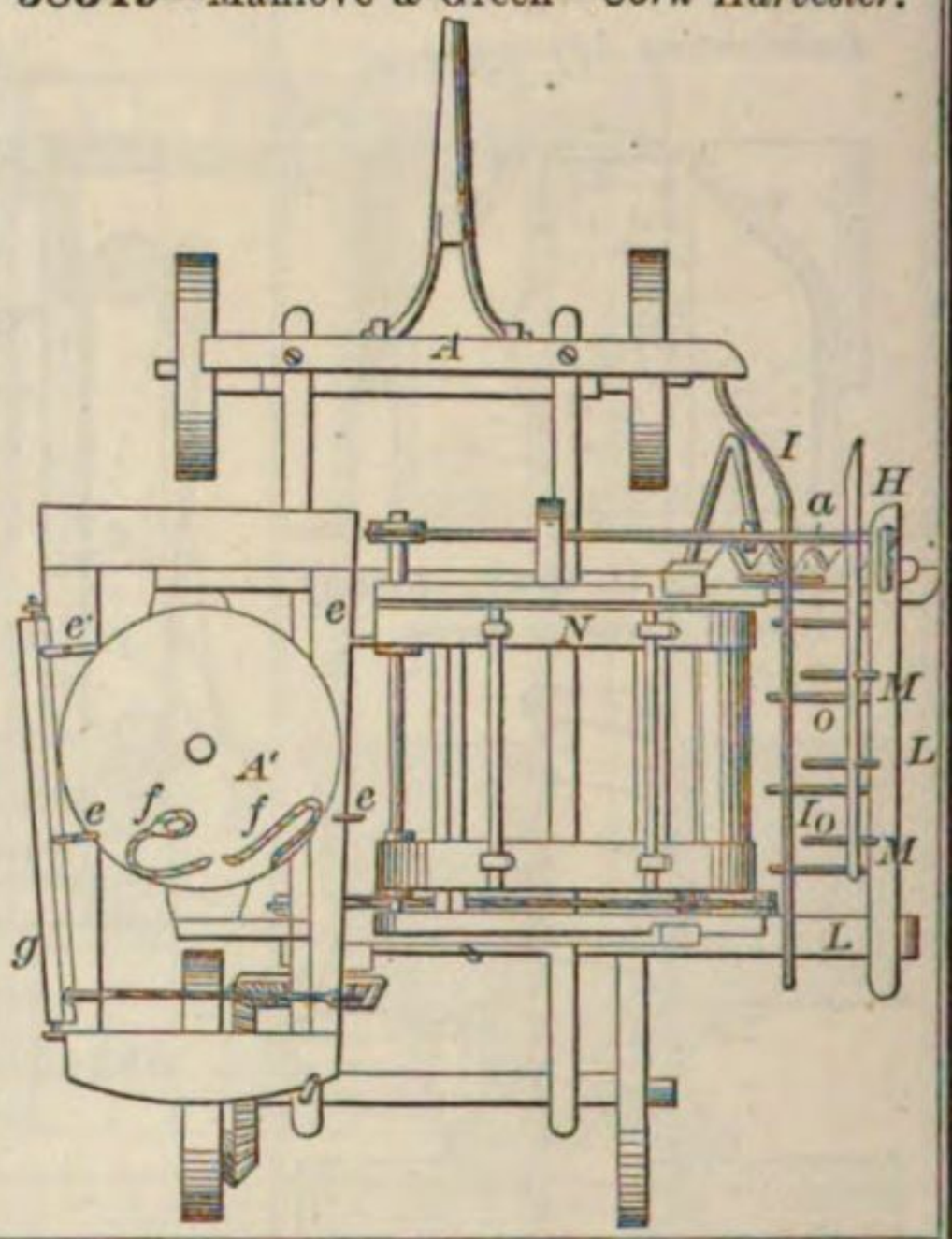
58346—Hotchkiss & Shattuck—*Forge Furnace.*



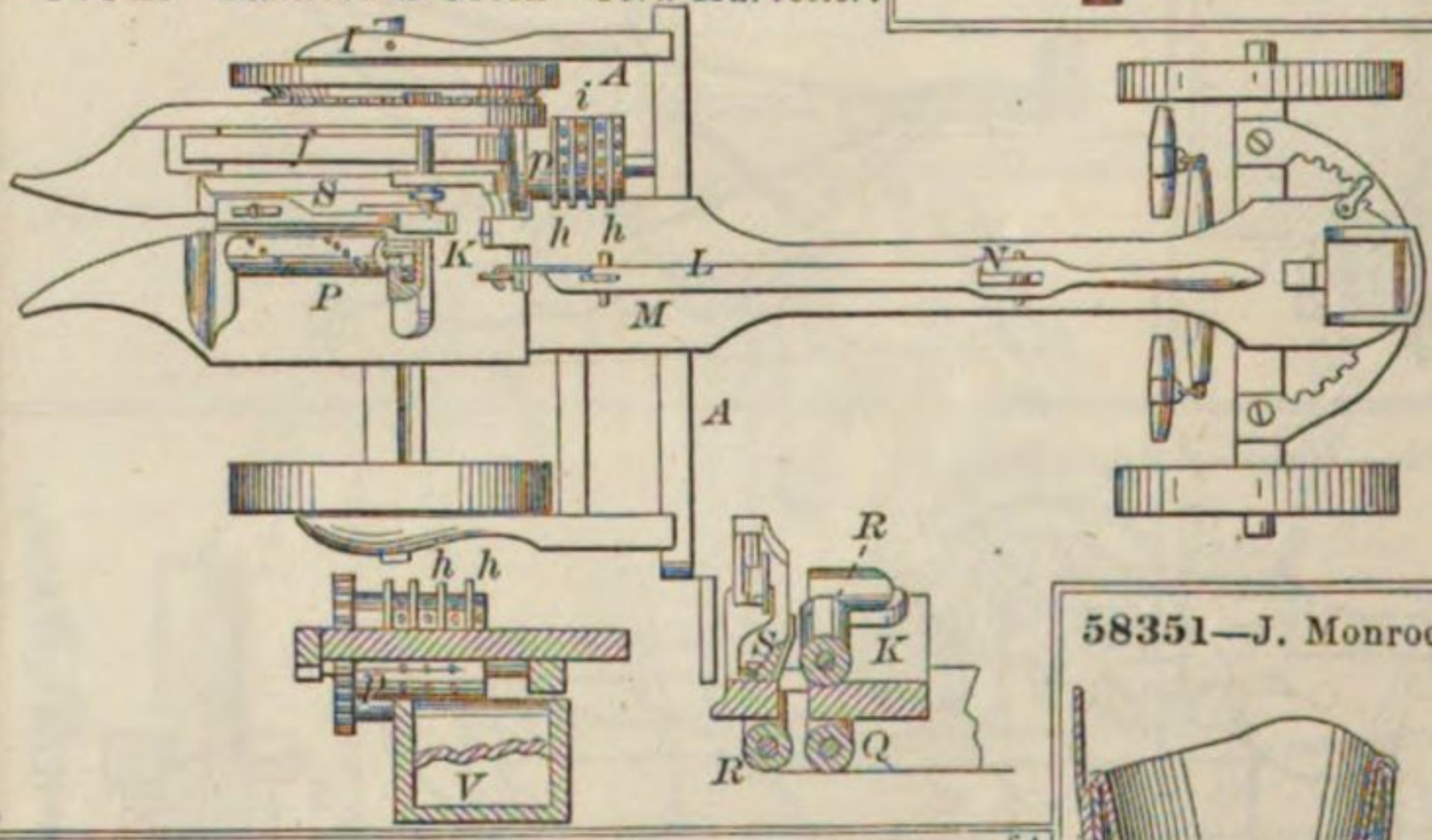
58346—*Continued.*



58349—Manlove & Green—*Corn Harvester.*

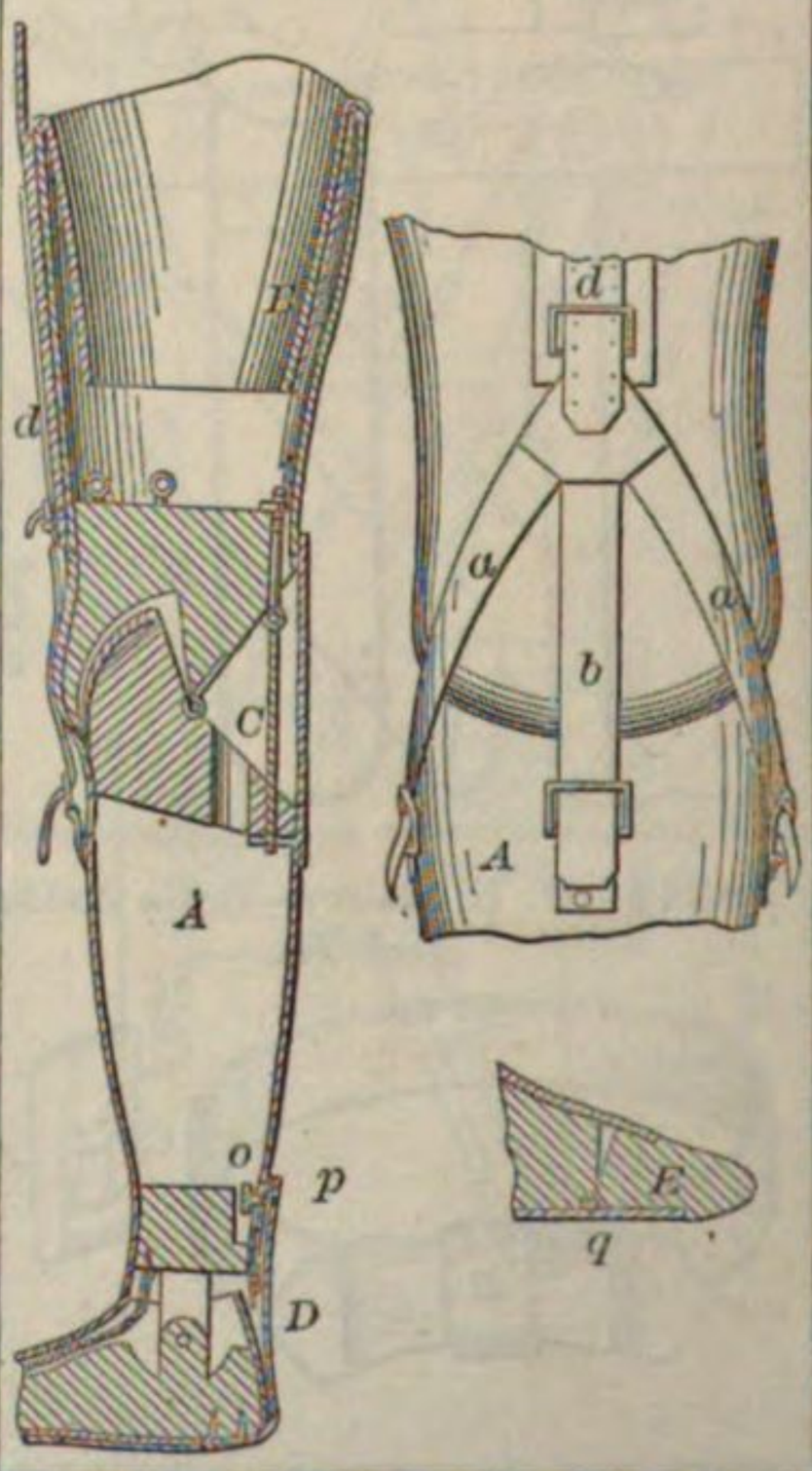


58348—Manlove & Green—*Corn Harvester.*

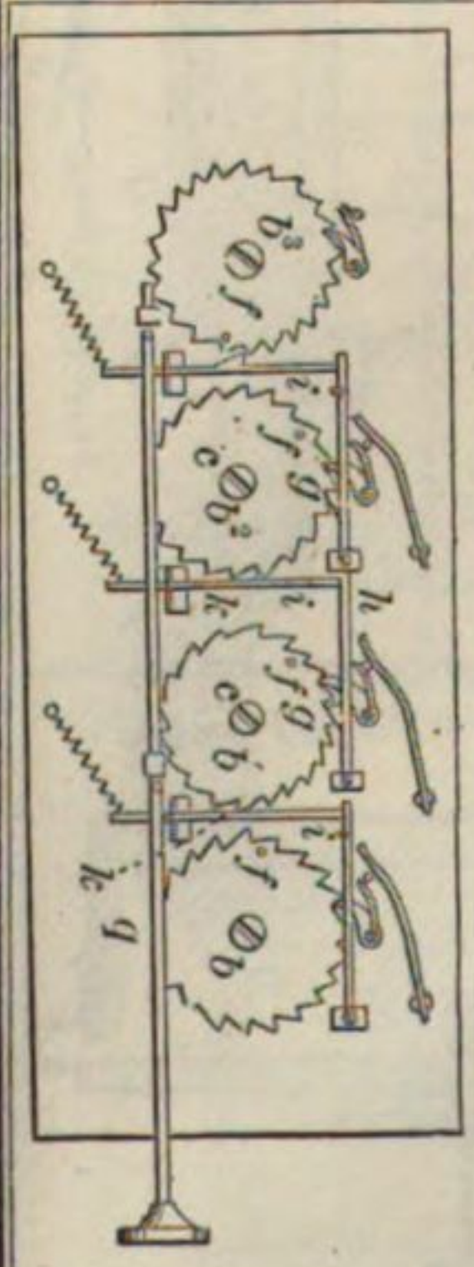


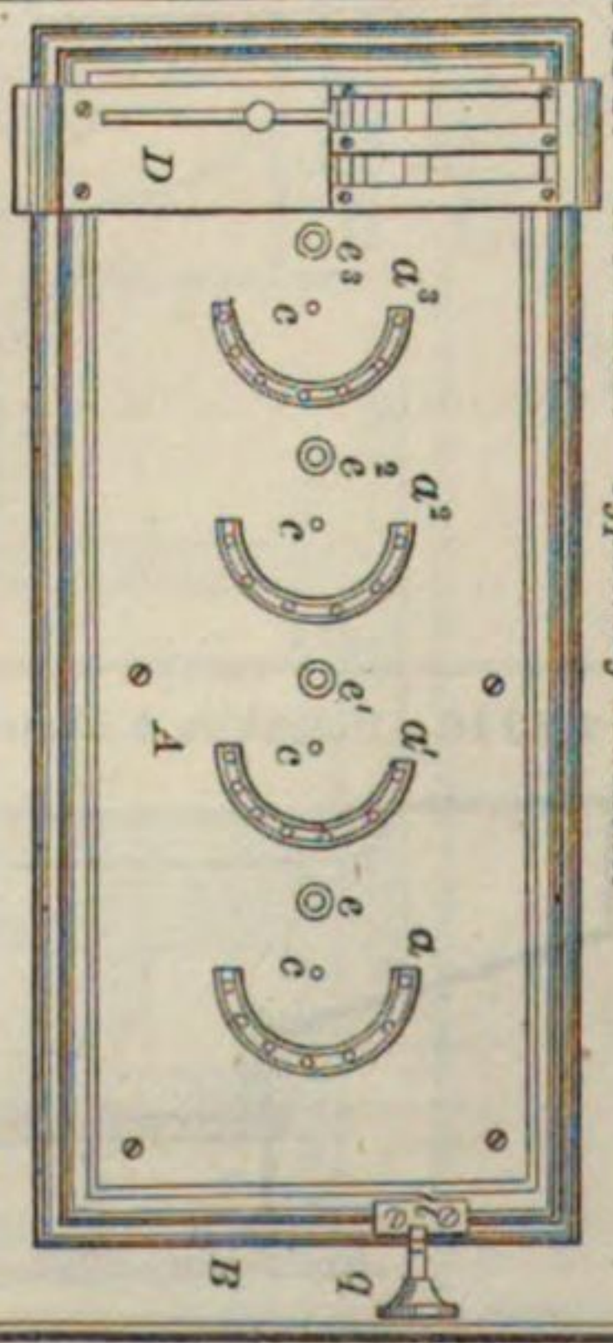
58350—A. McManus—*Snap Hook.*

58351—J. Monroe—*Artificial Limb.*

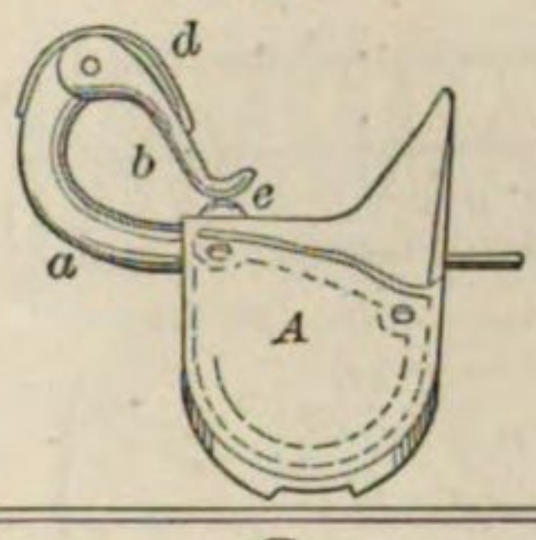


58347—S. J. Kelso—*Cyphering Machine.*

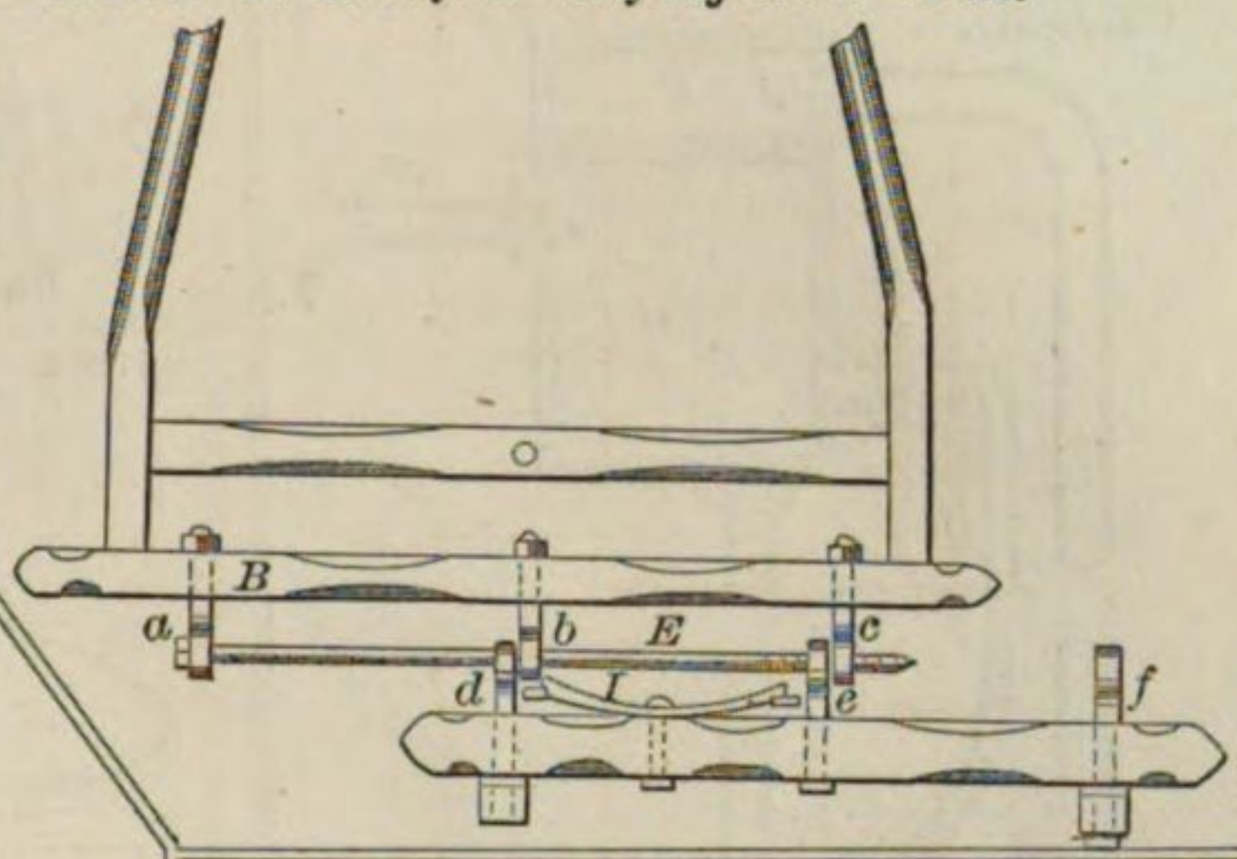




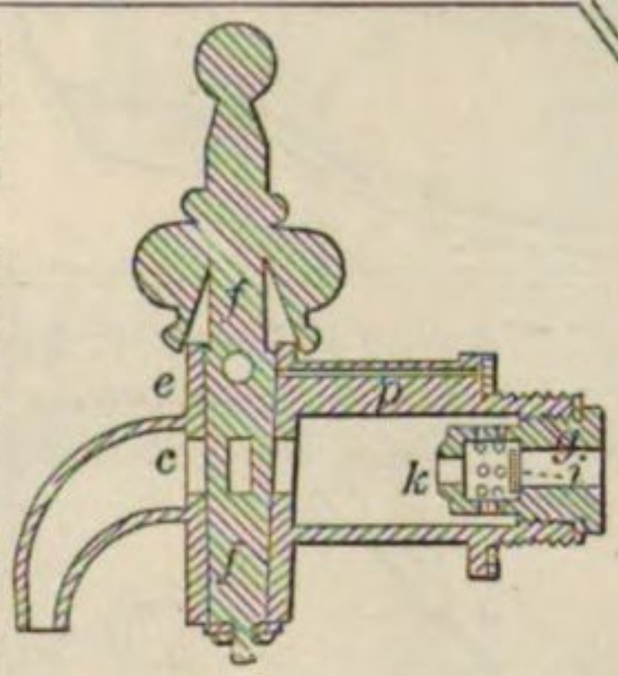
58352—Roos & White—*Pad Hook.*



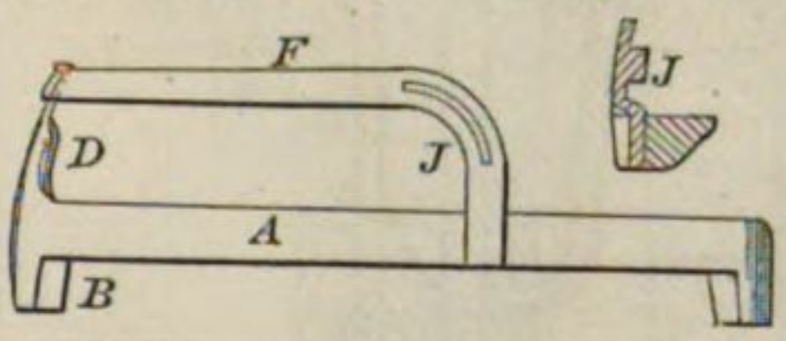
58353—H. L. Taylor—*Shifting Cutter Thills.*



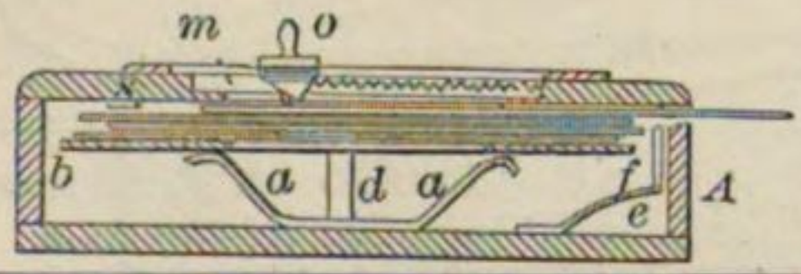
58356—E. Candler—*Faucet.*

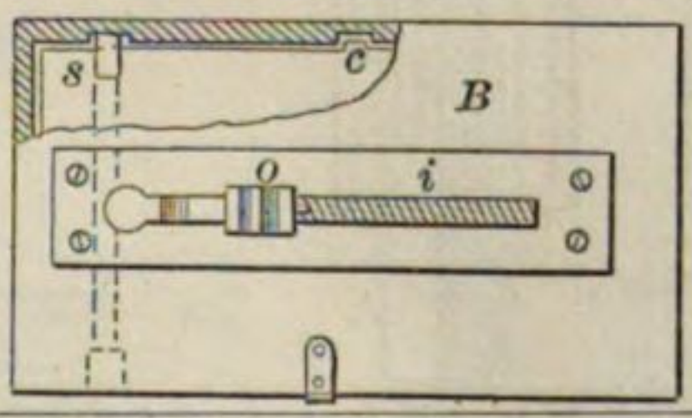


58355—C. M. Werner—*Horse Shoe.*

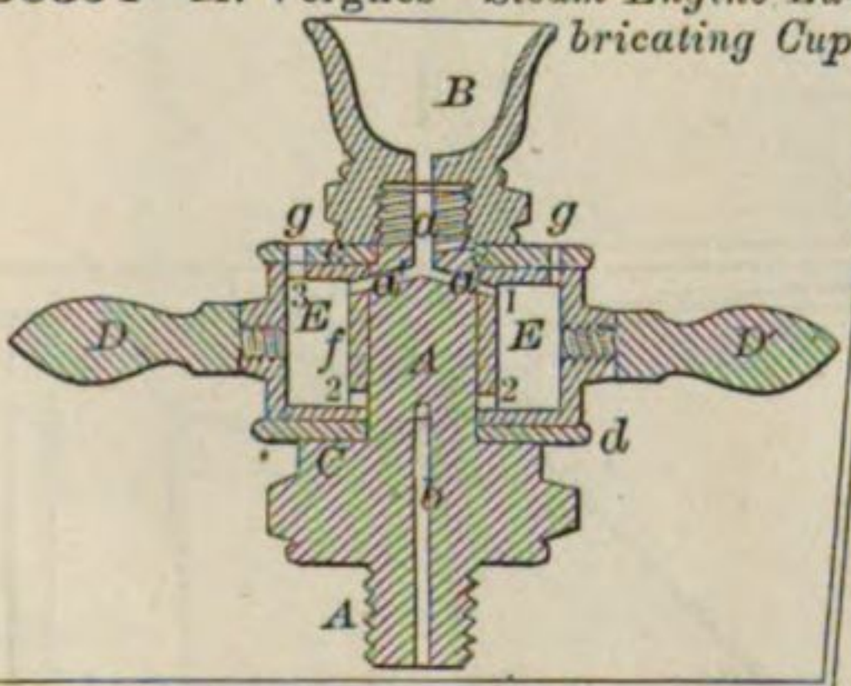


58357—F. A. Lamontague—*Card Case.*

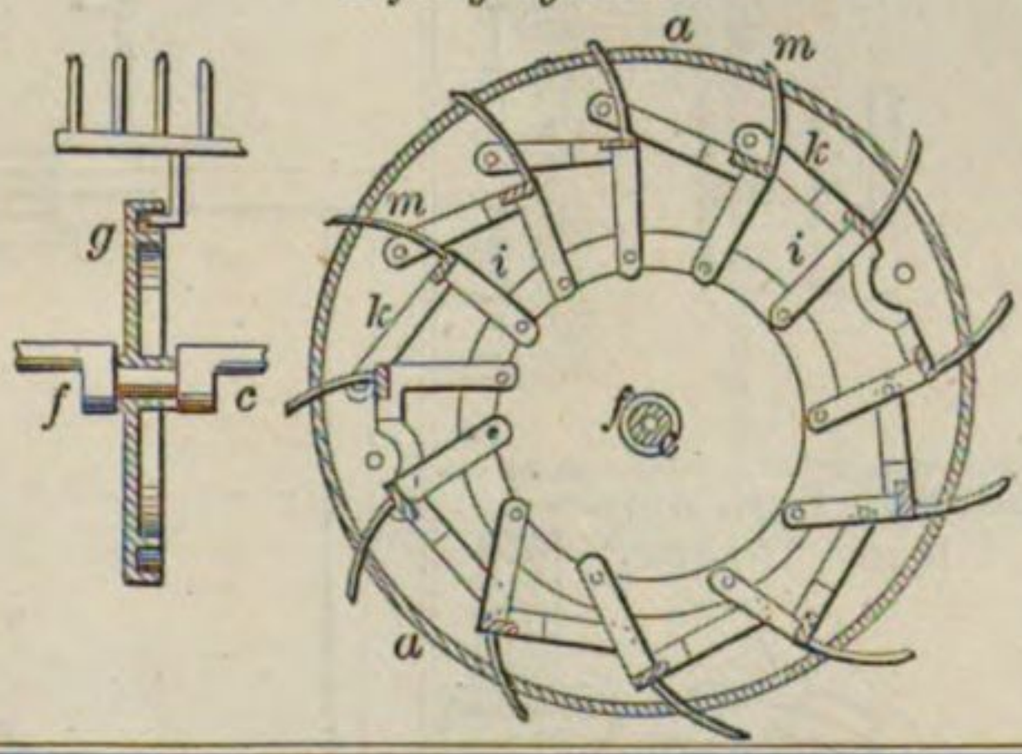




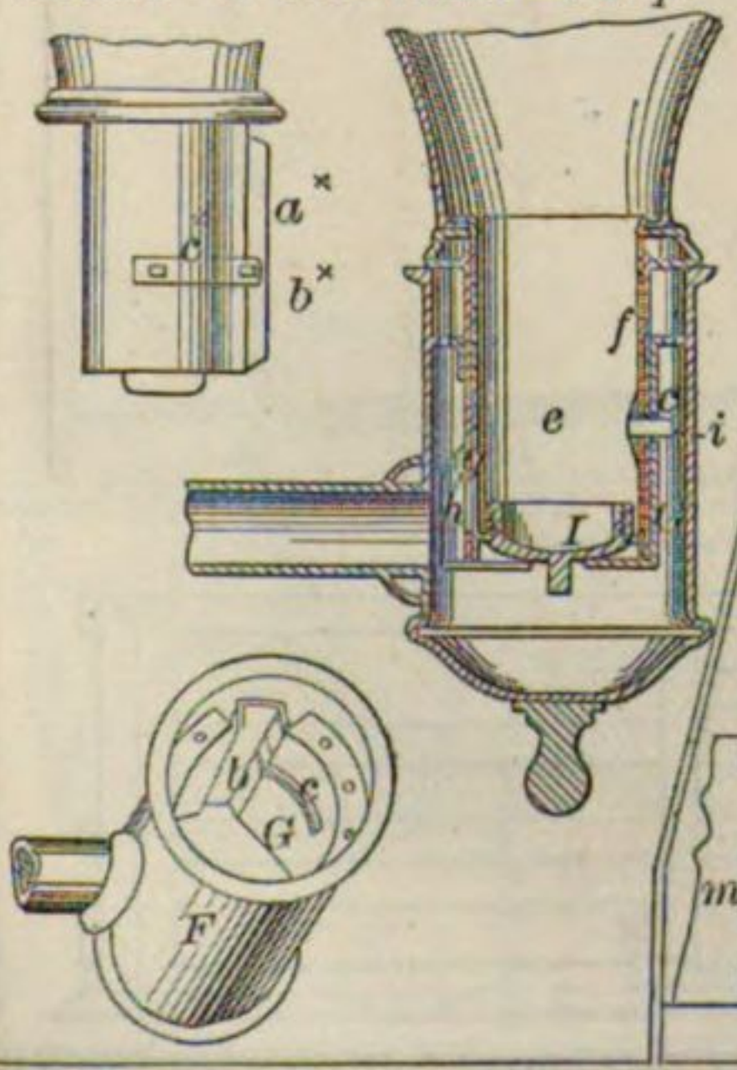
58354—M. Vergnes—*Steam Engine Lubricating Cup.*



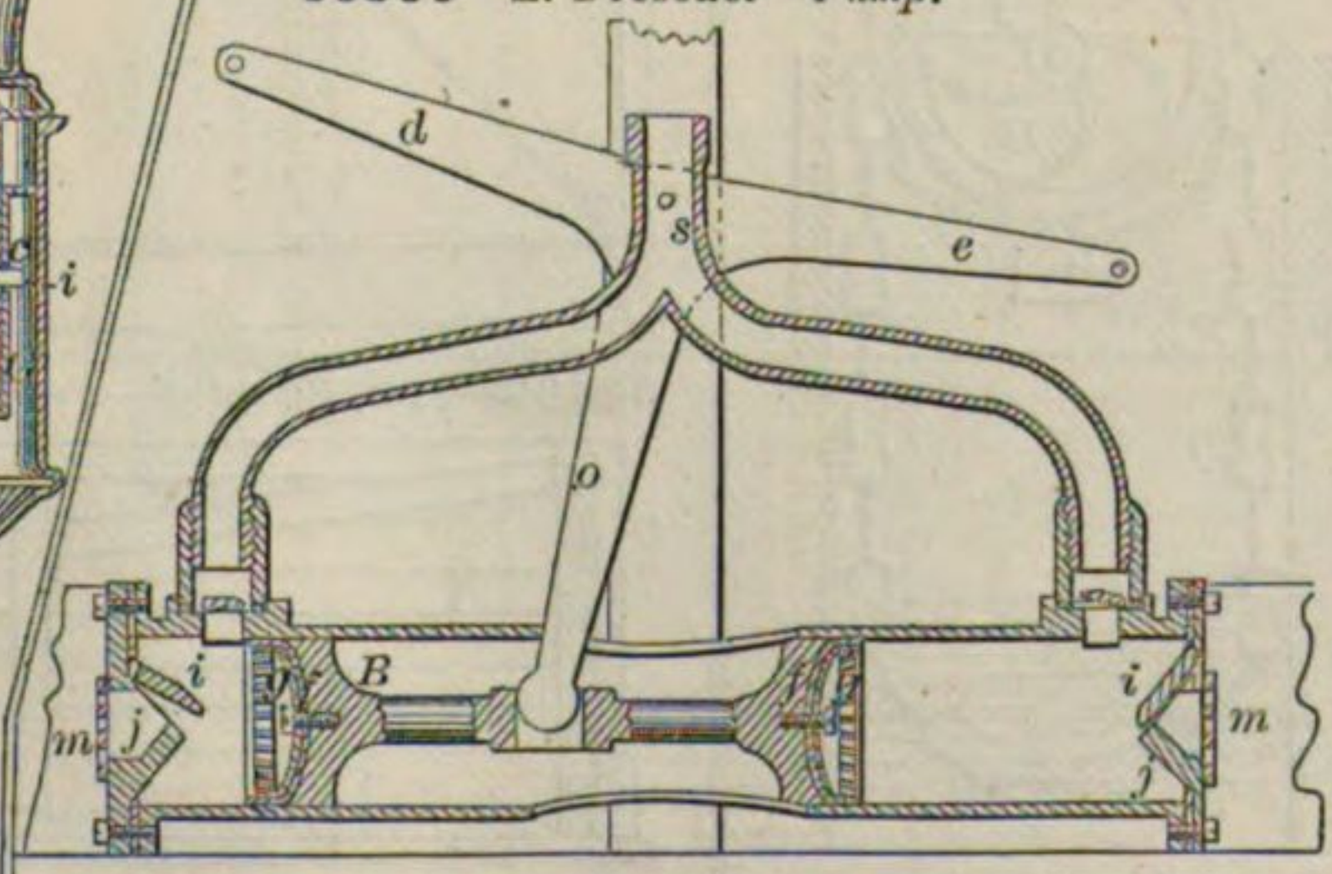
58359—Petrie & Teal—*Wool Washing Machine Lifting Cylinder.*



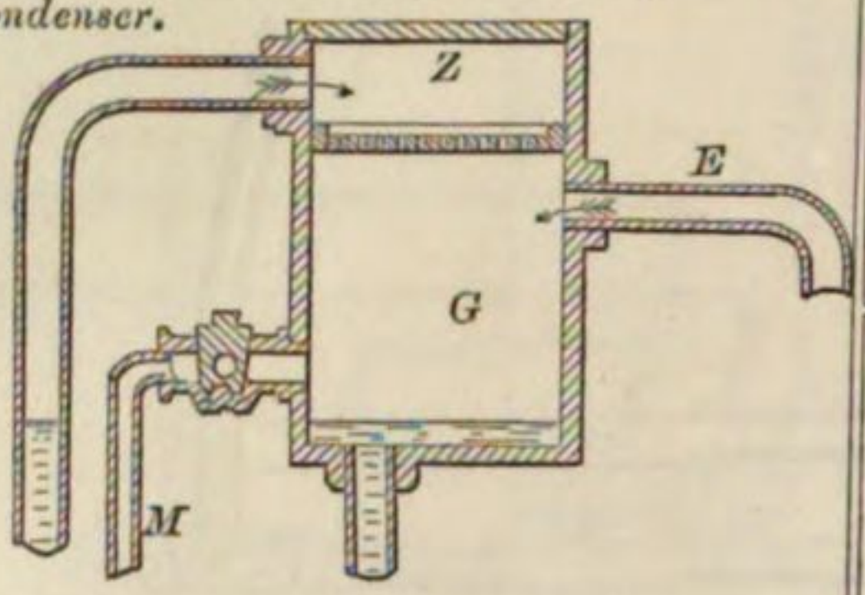
58361—G Stobwasser—*Lamp.*

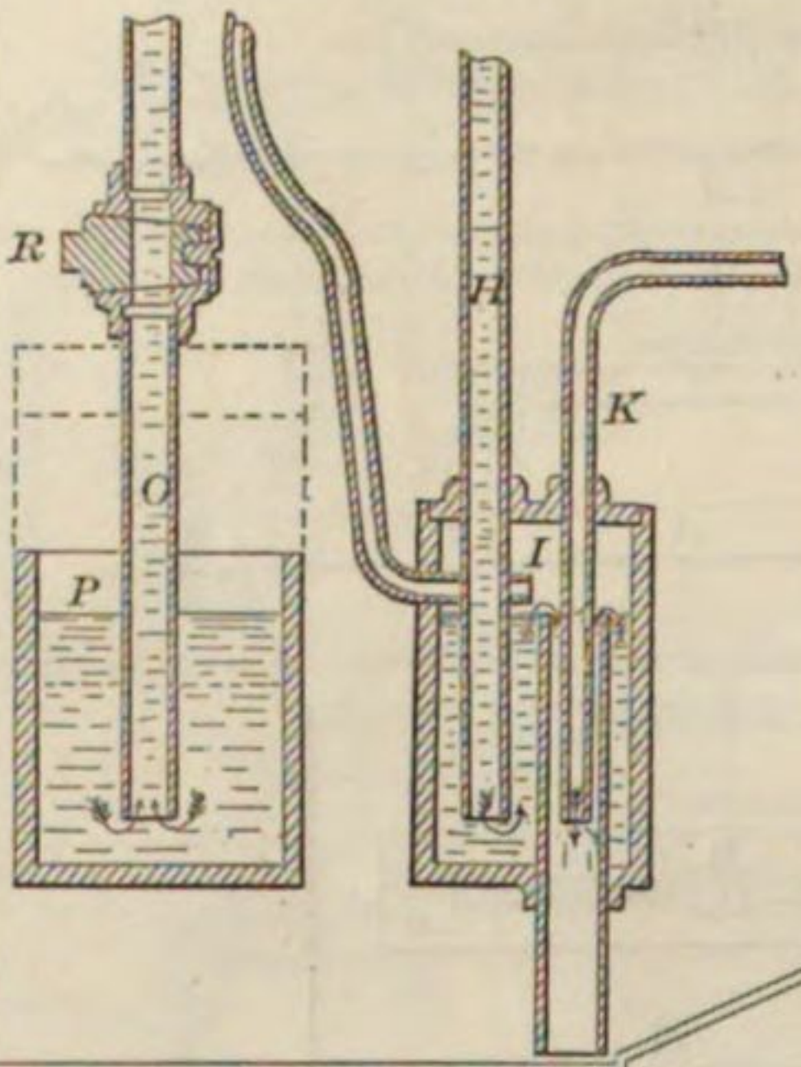


58360—L. Drescher—*Pump.*



58362—J. Absterdam—*Steam Engine Condenser.*

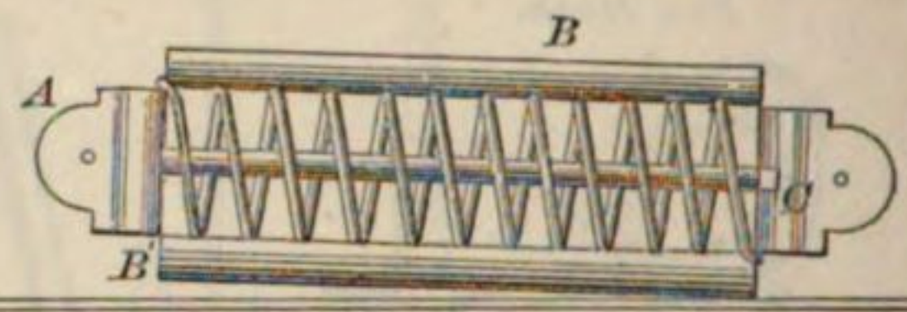




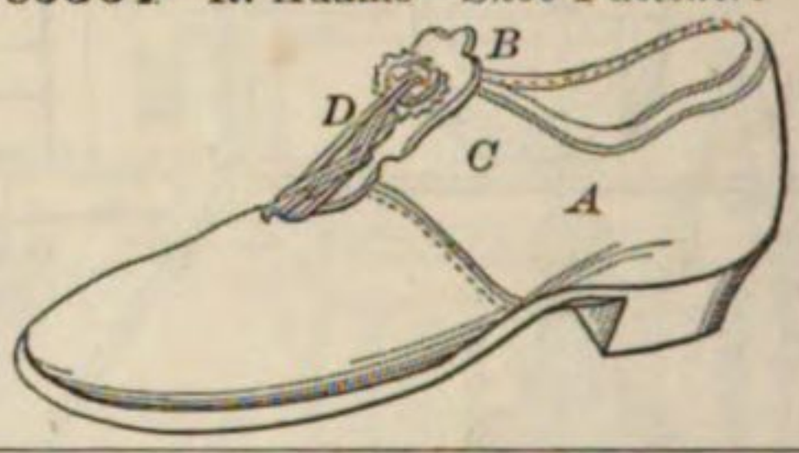
58365—C. L. Alexander—*Paper Fastener.*

58368—E. R. Austin—*Water Elevator.*

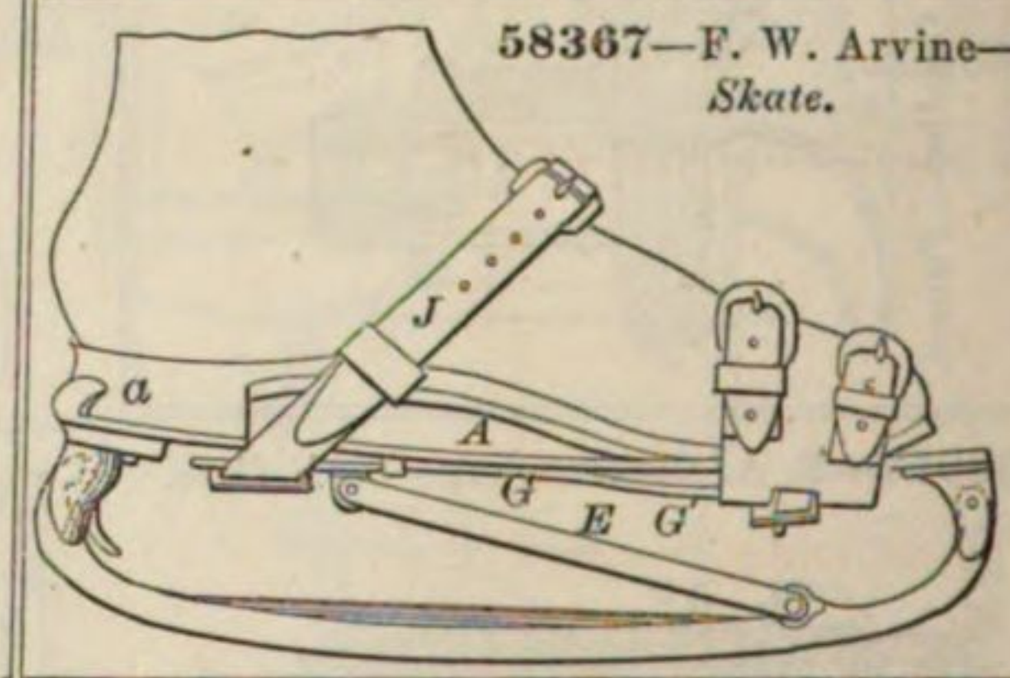
58363—J. Adair—*Spring Pen Rack.*



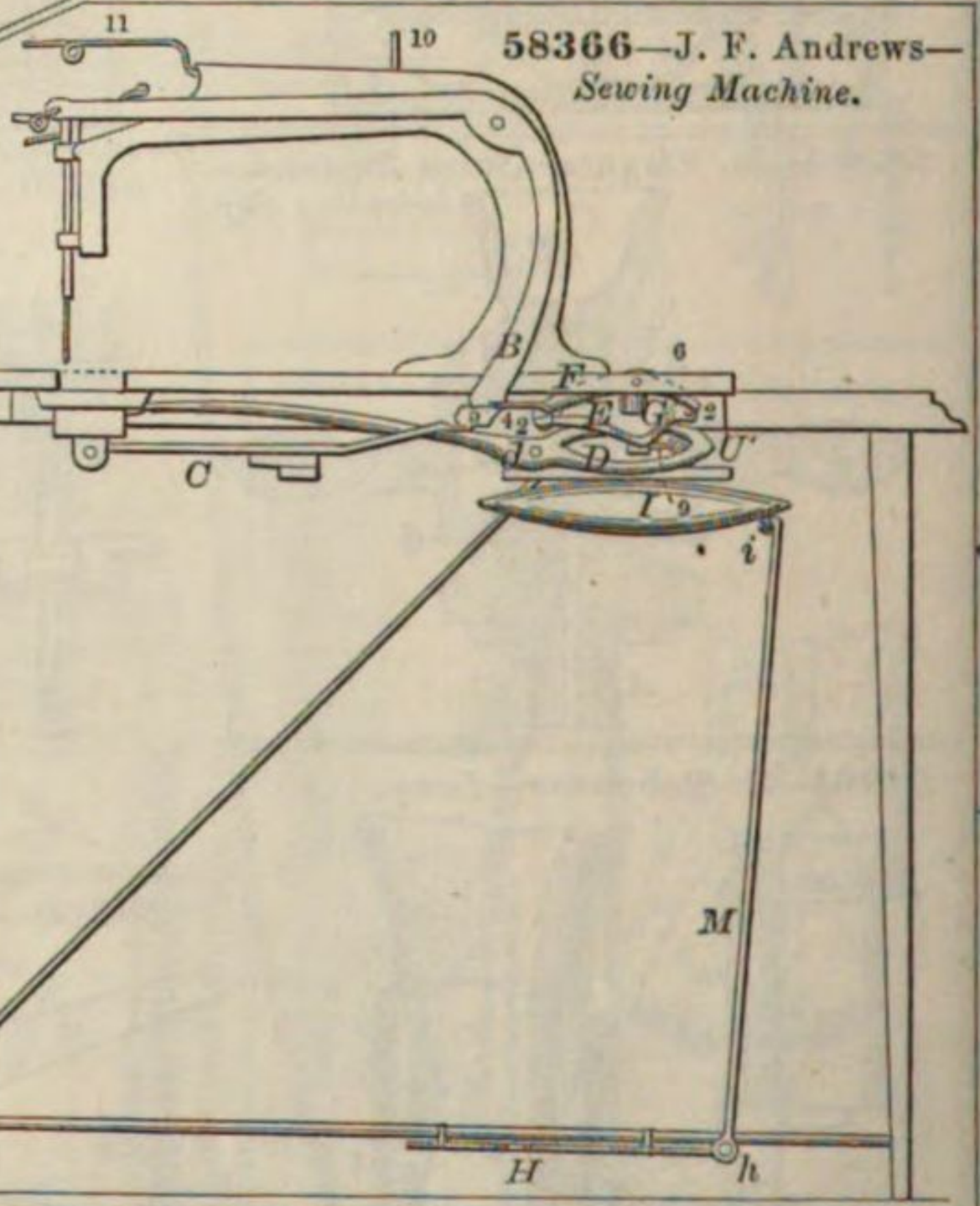
85364—R. Adams—*Shoe Fastener.*



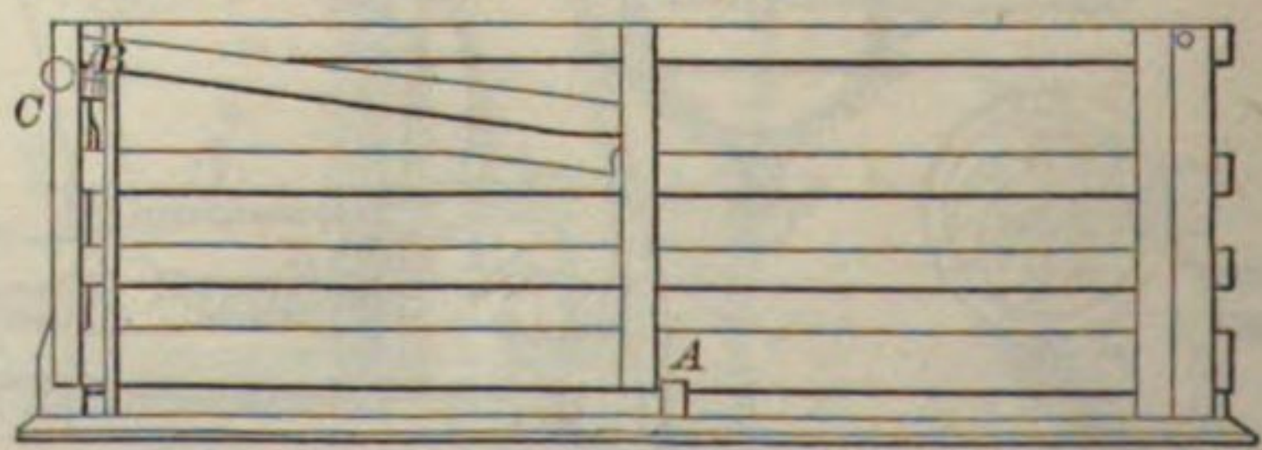
58367—F. W. Arvine—*Skate.*



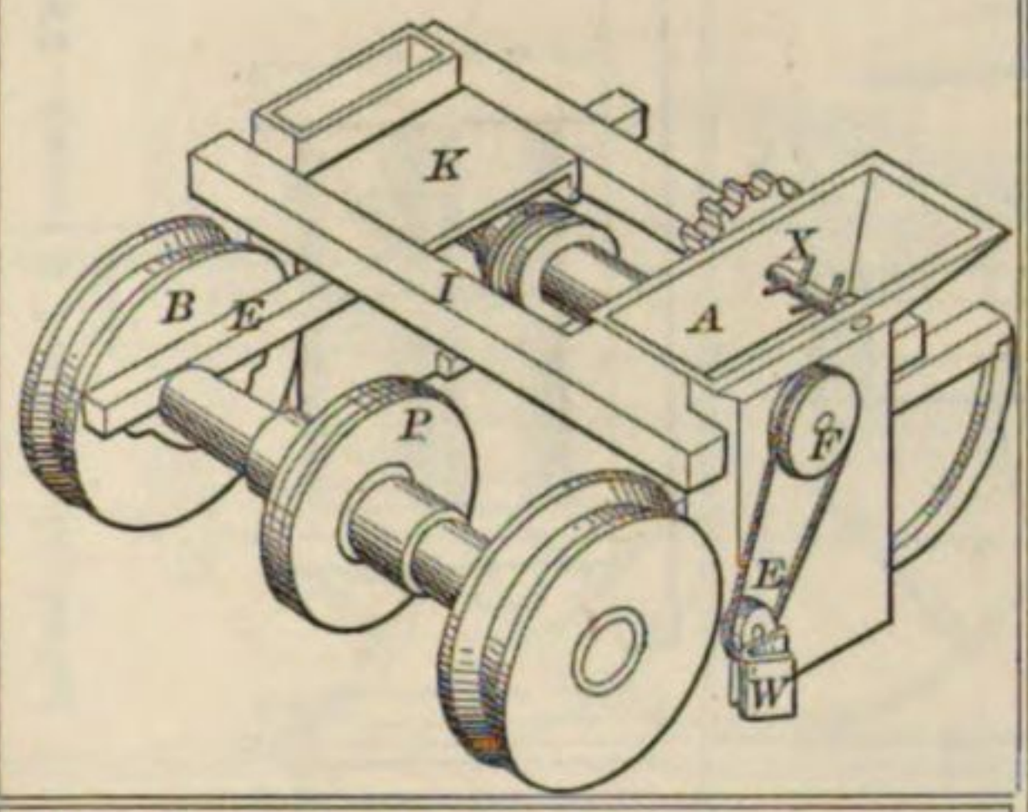
58366—J. F. Andrews—*Sewing Machine.*



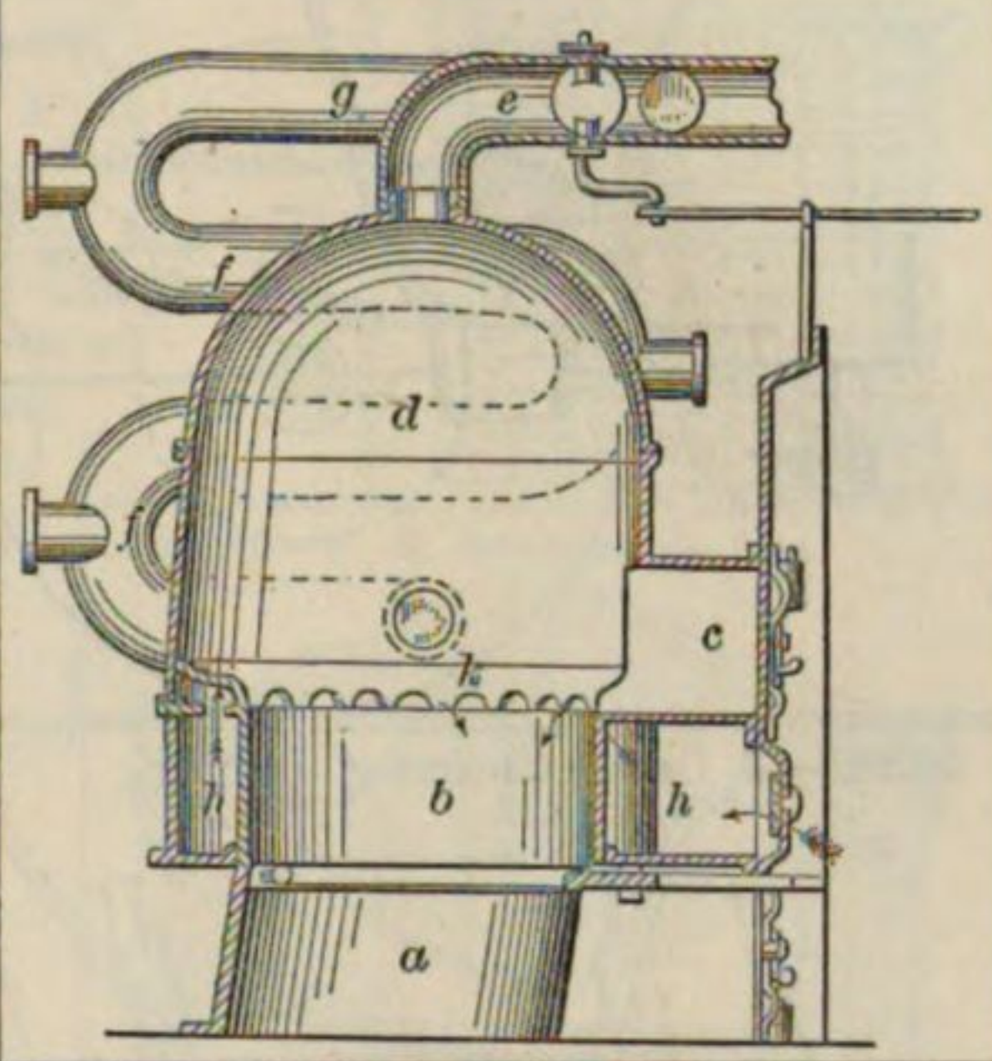
58369—J. S. Benedict—*Fence Gate.*



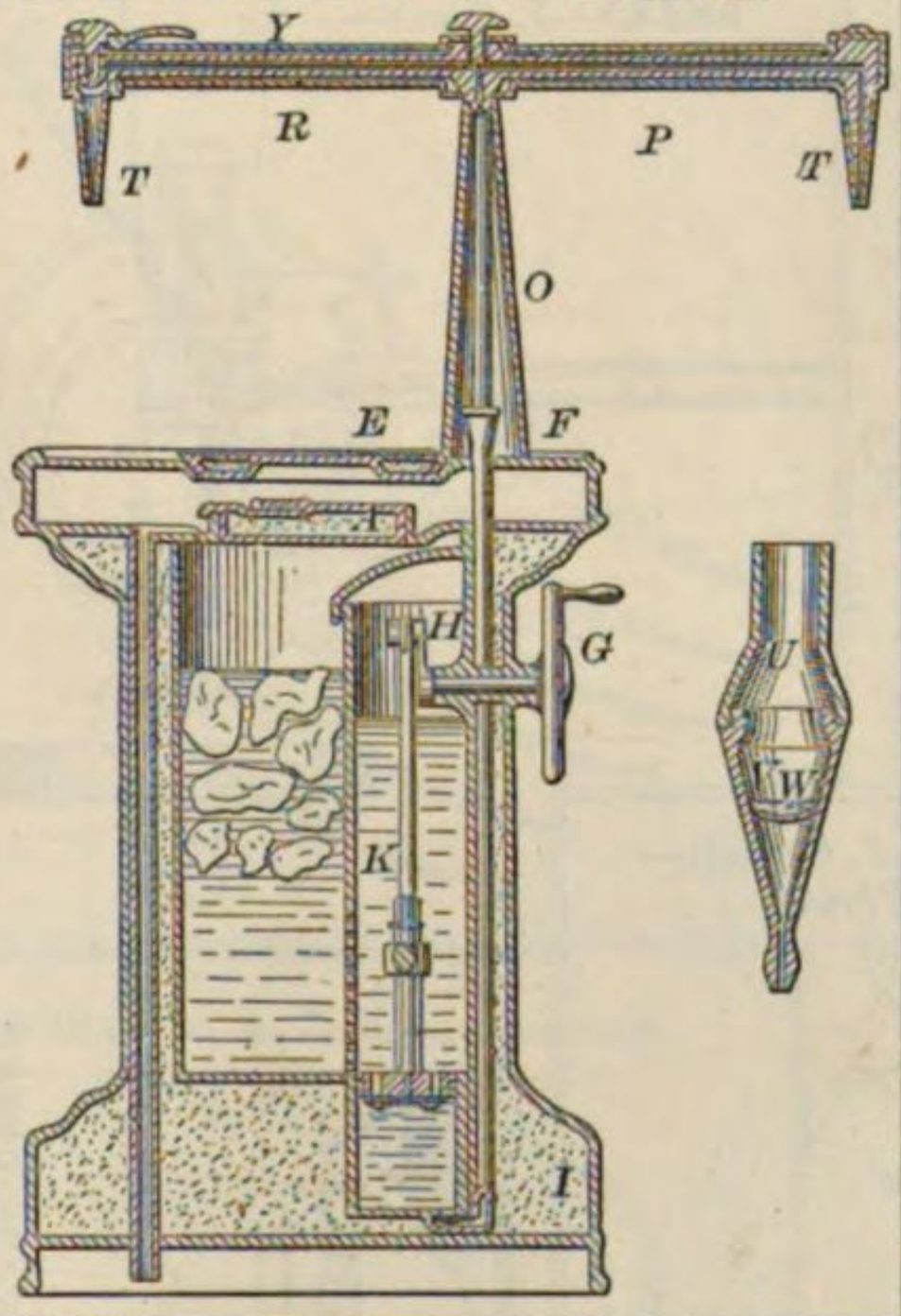
58372—F. H. Brown—*Cotton Seed Planter.*



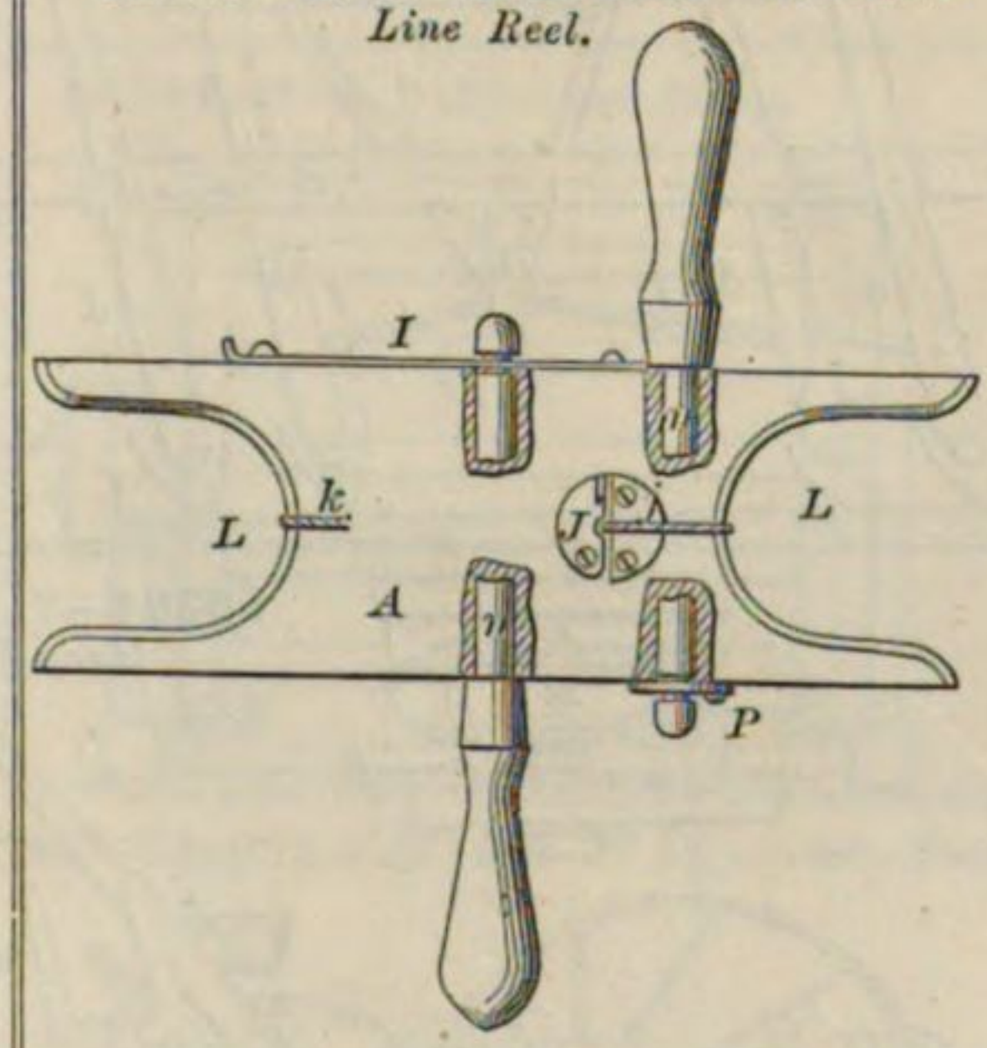
58373—J. T. Budd—*Hot Air Furnace.*



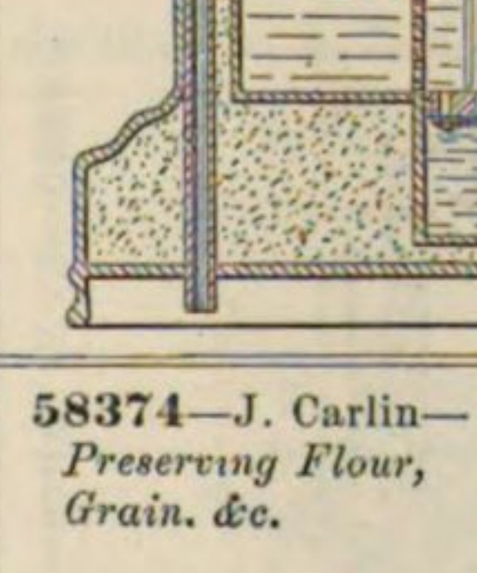
58375—J. W. Cahill—*Soda Fountain.*



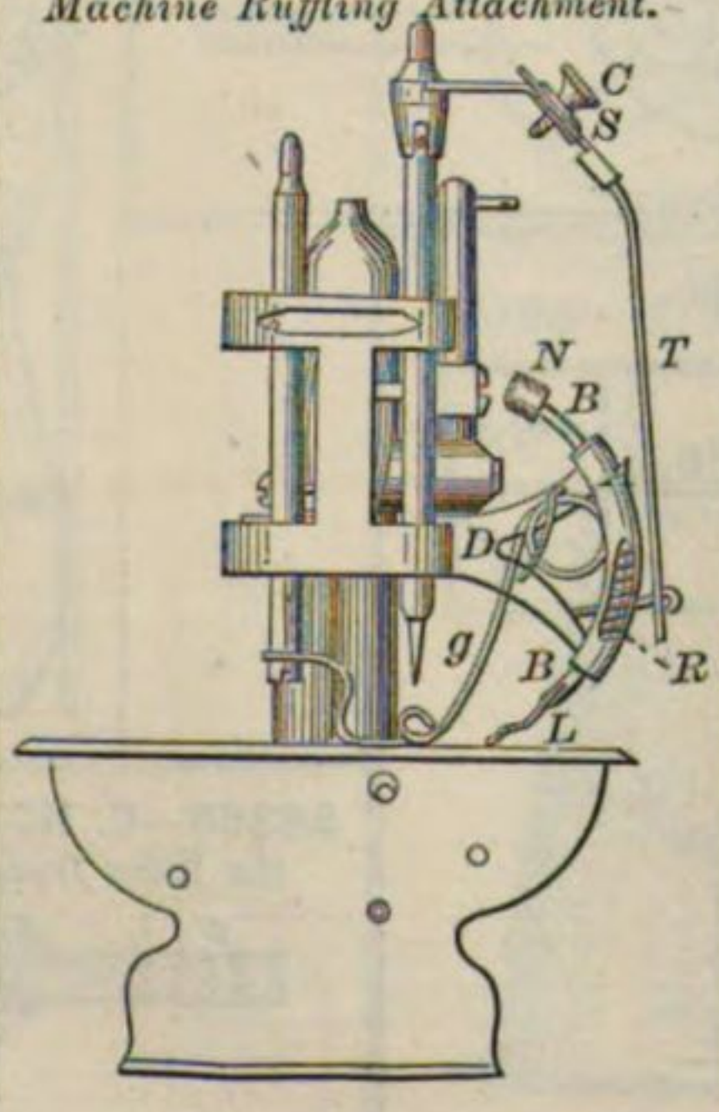
58378—H. W. Chamberlain—*Cord and Line Reel.*



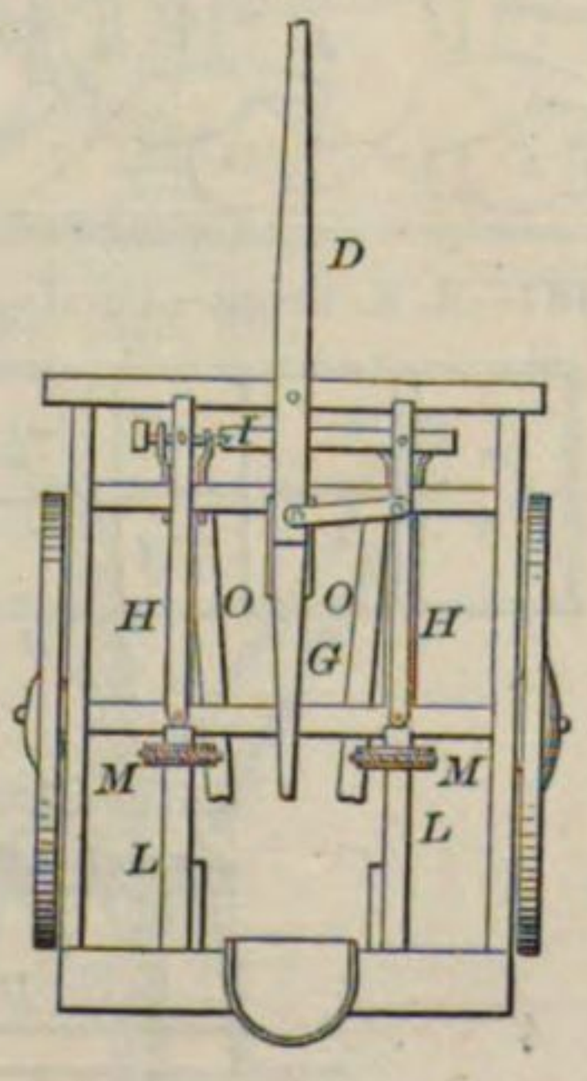
58374—J. Carlin—*Preserving Flour, Grain, &c.*



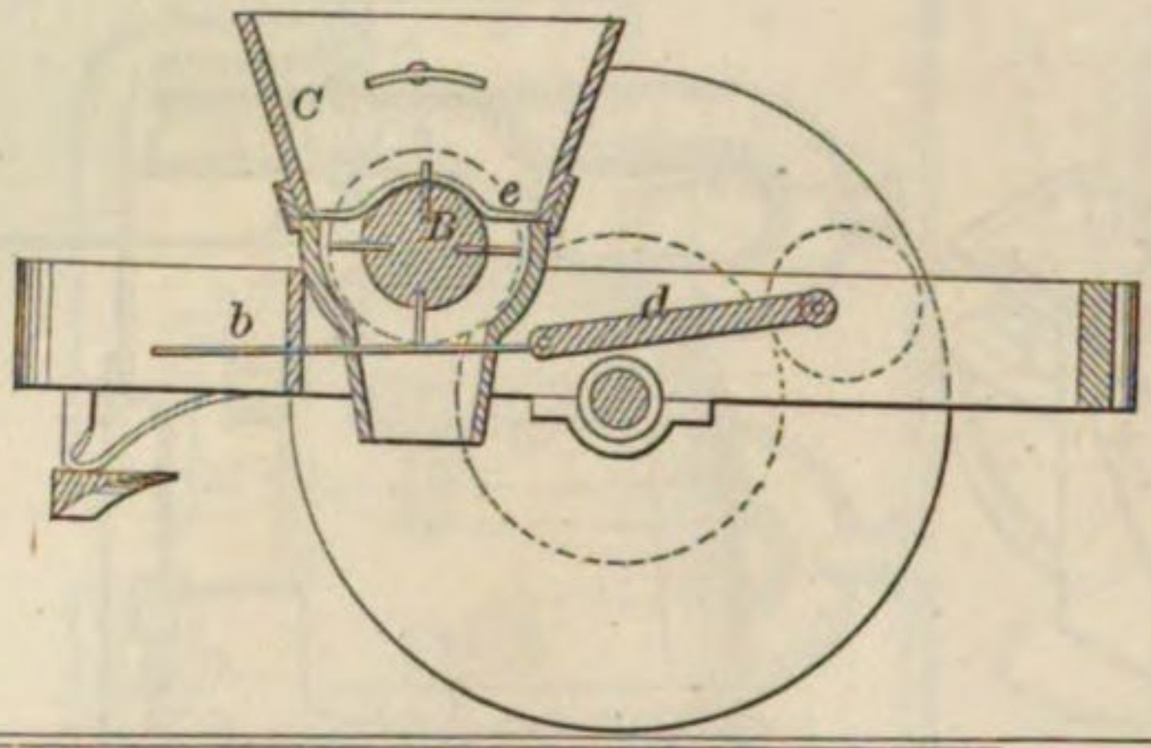
58376—D. C. Cary—*Sewing Machine Ruffling Attachment.*



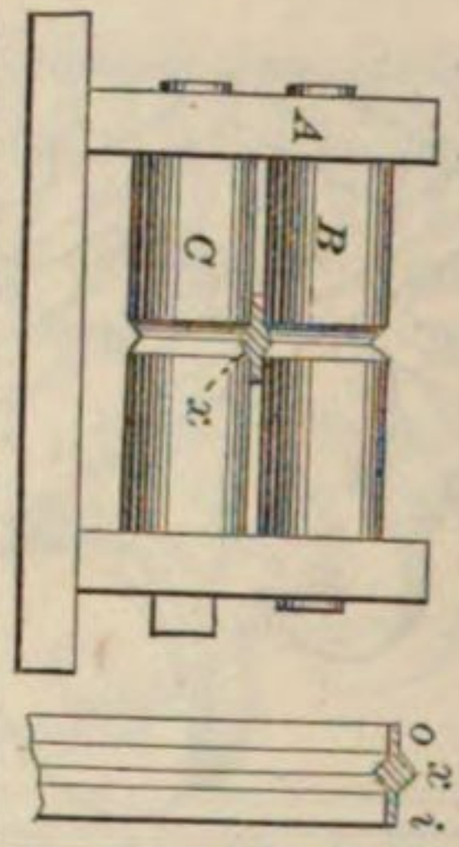
58380—E. Children—*Cultivator.*



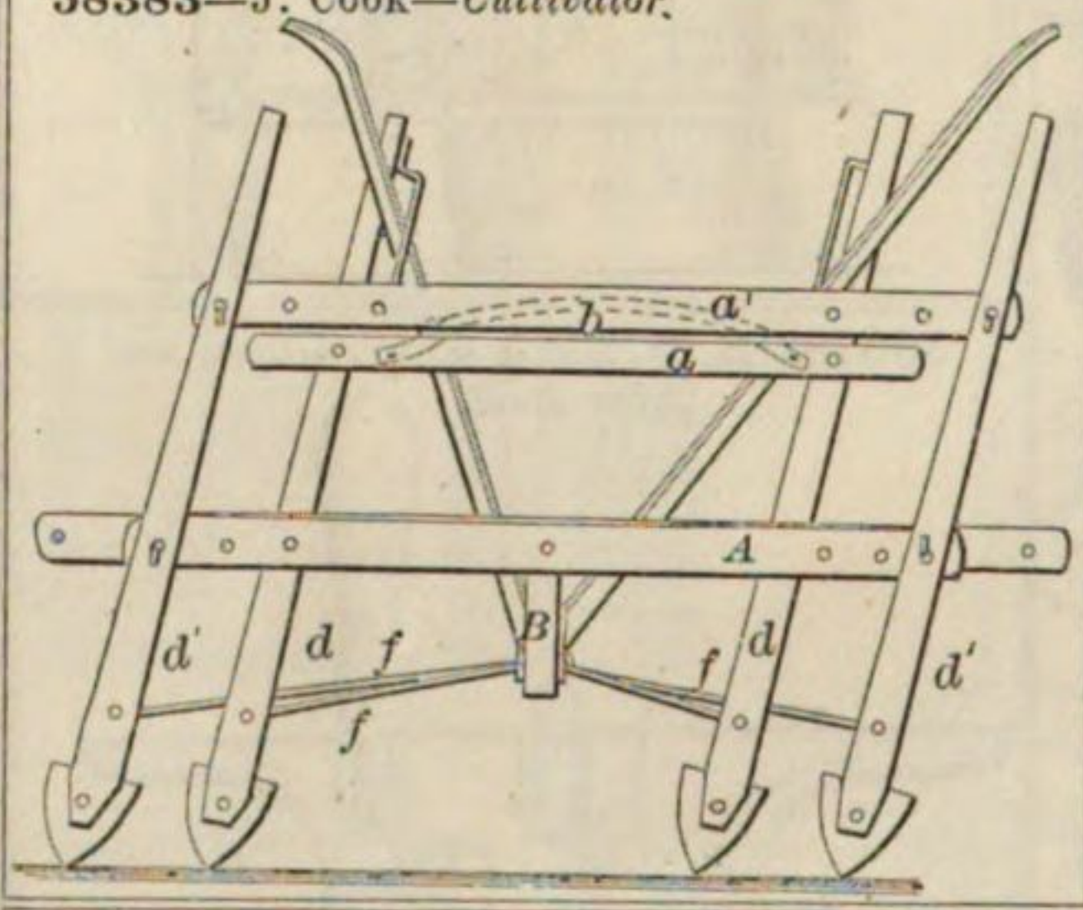
58381—J. G. Clark—*Cotton Seed Planter.*



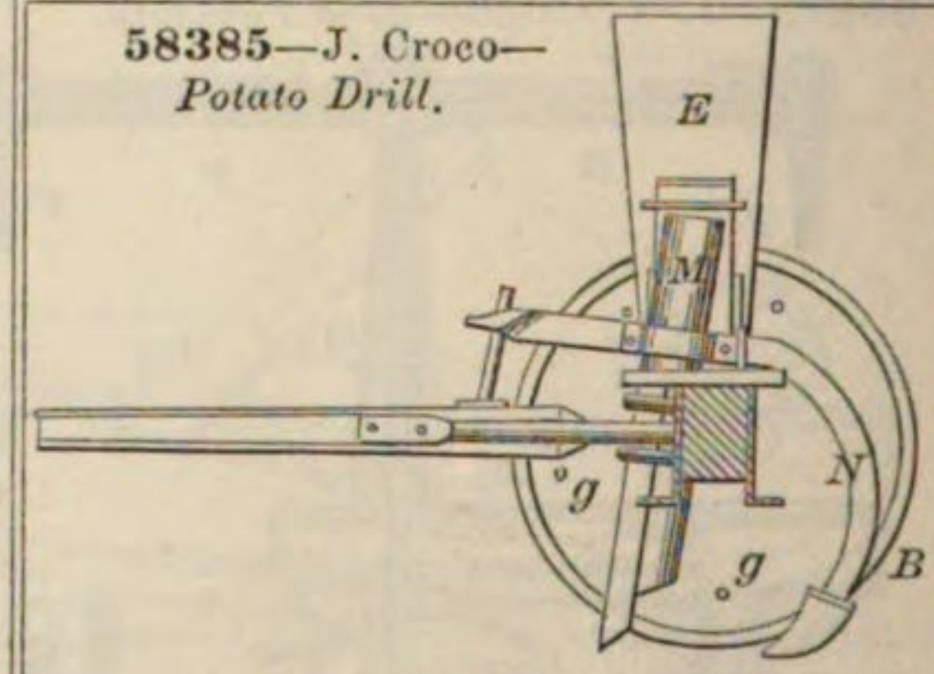
58382—Comer & Denton—*Lightning Rod.*

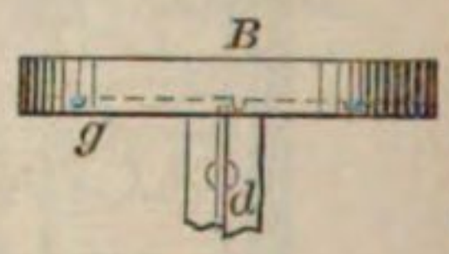


58383—J. Cook—*Cultivator.*

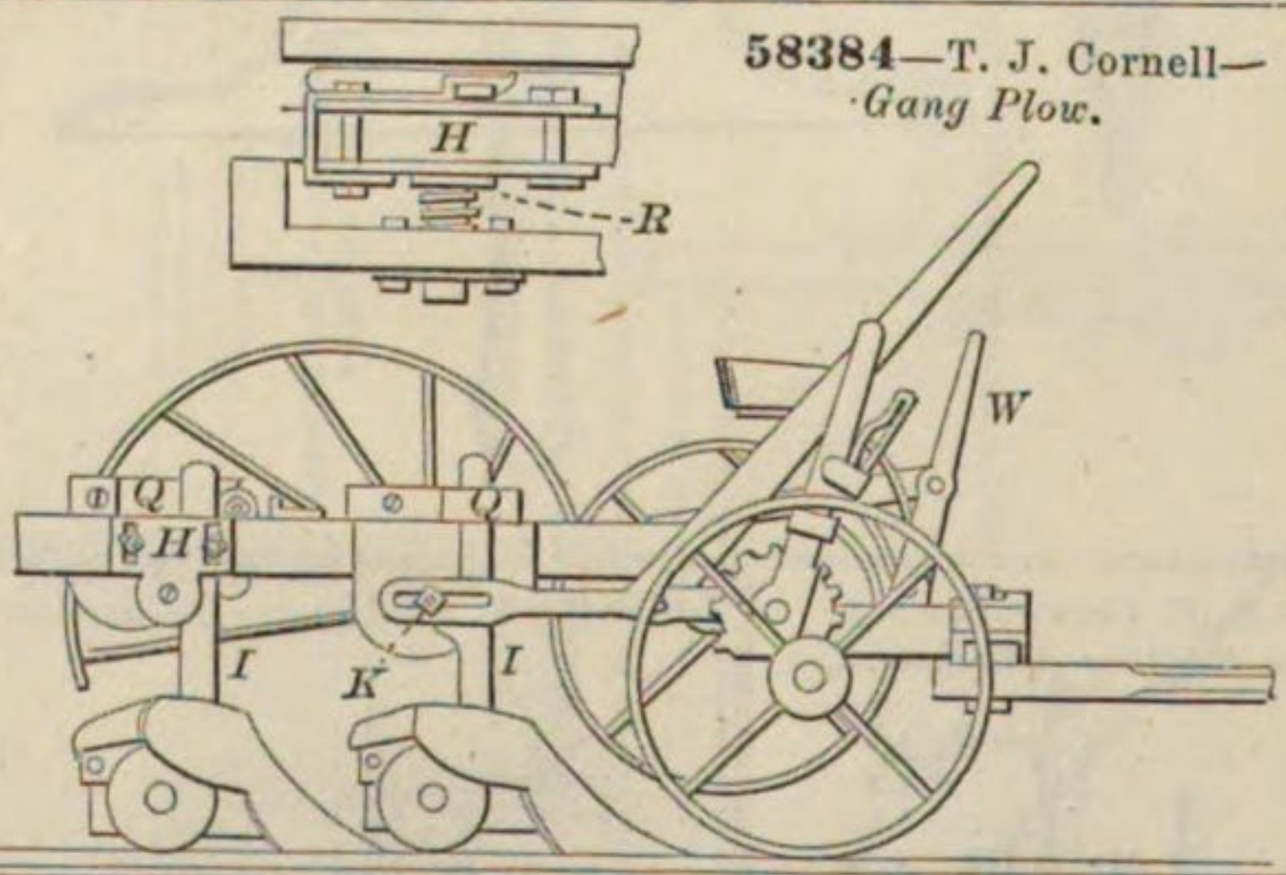


58385—J. Croco—*Potato Drill.*

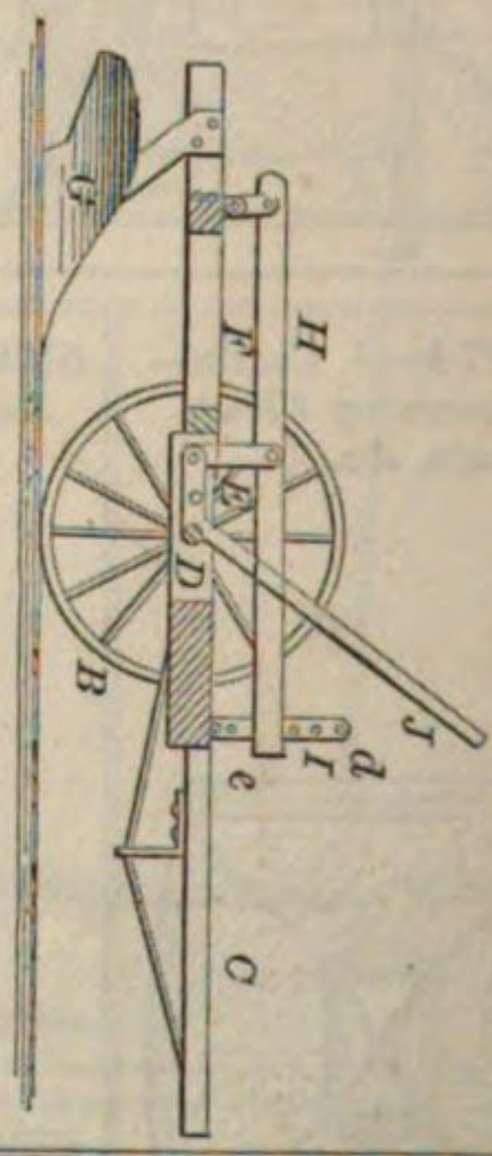




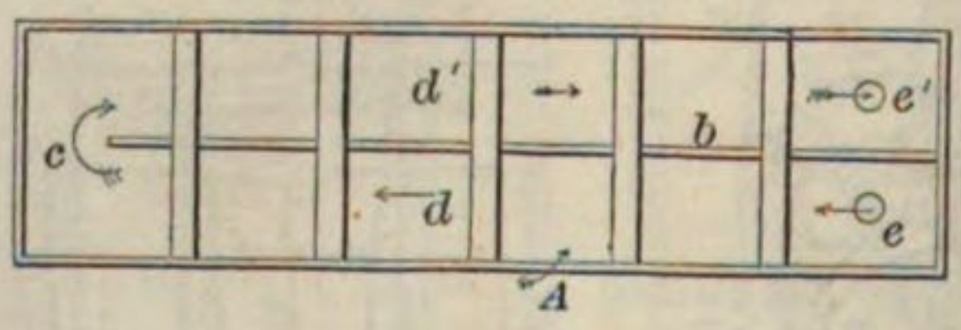
58384—T. J. Cornell—*Gang Plow.*

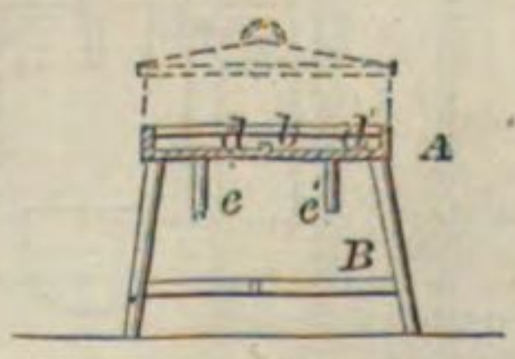


58386—H. N. Dalton—*Gang Plow.*

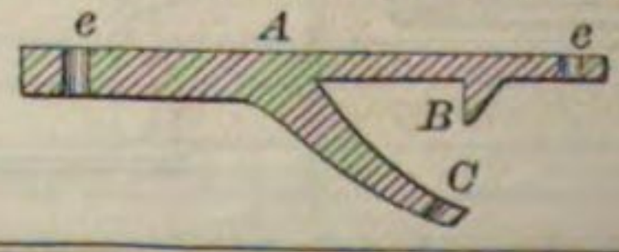


58387—R. E. Deane—*Carving Table.*

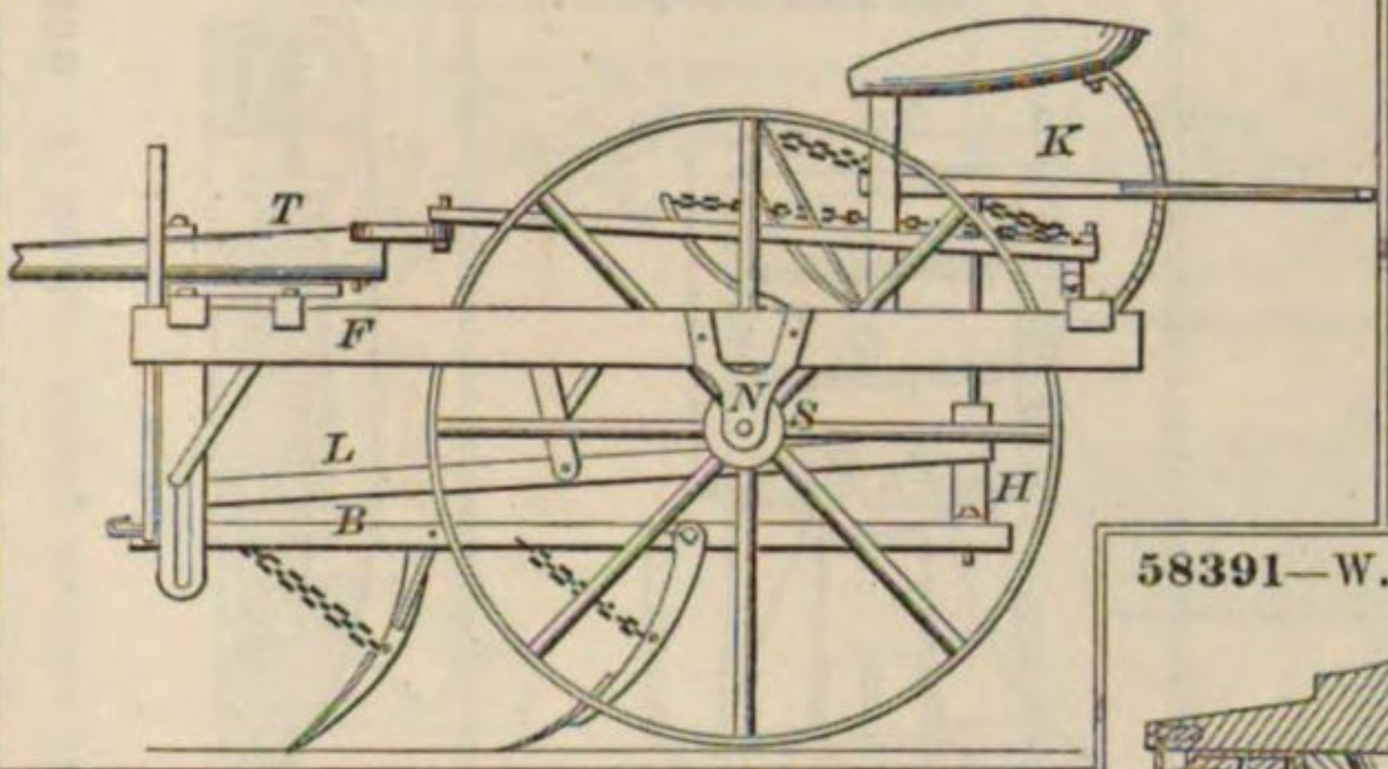




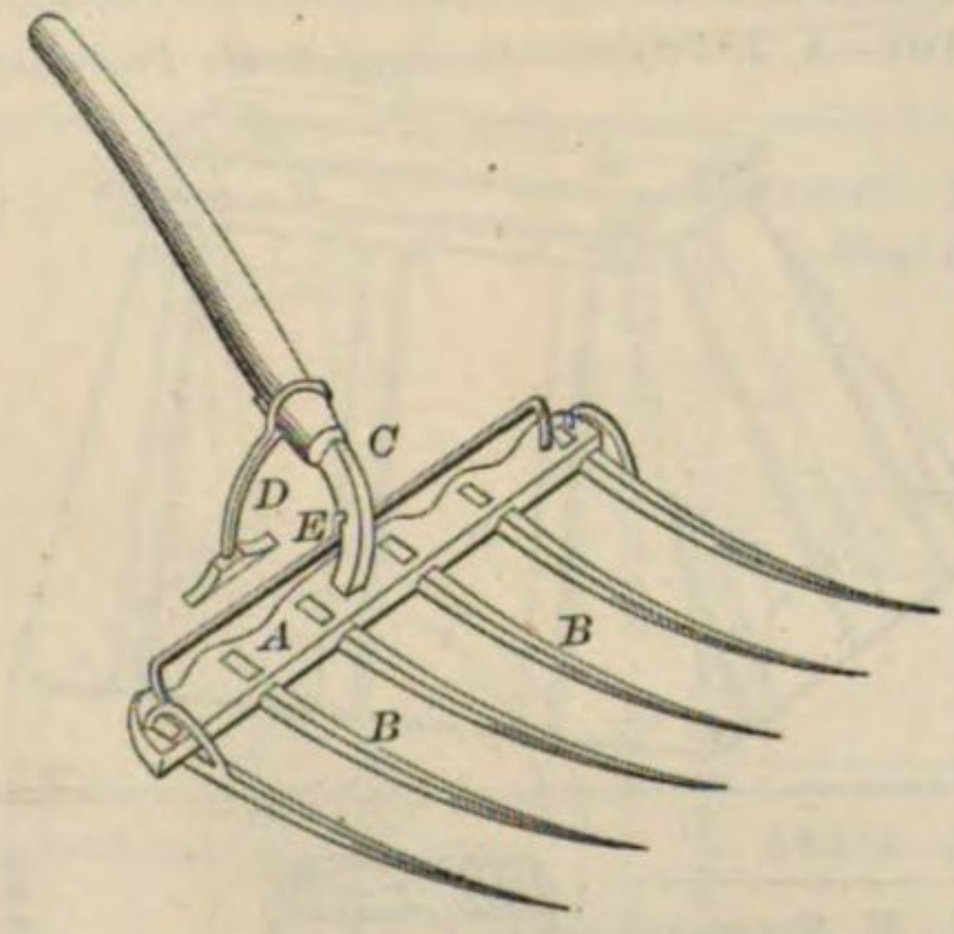
58388—C. M. Dedrick—*For Removing the Wire from Soda Water Bottles.*



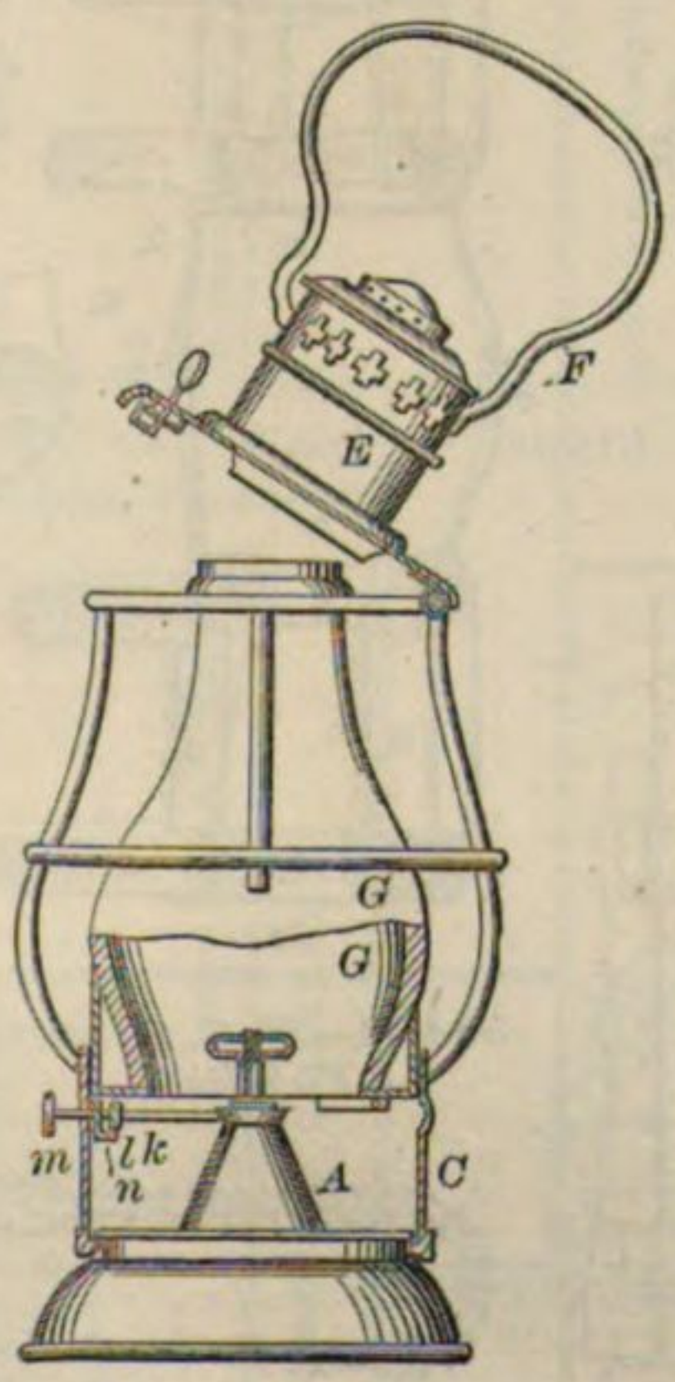
58389—G. W. Doolittle—*Cultivator.*



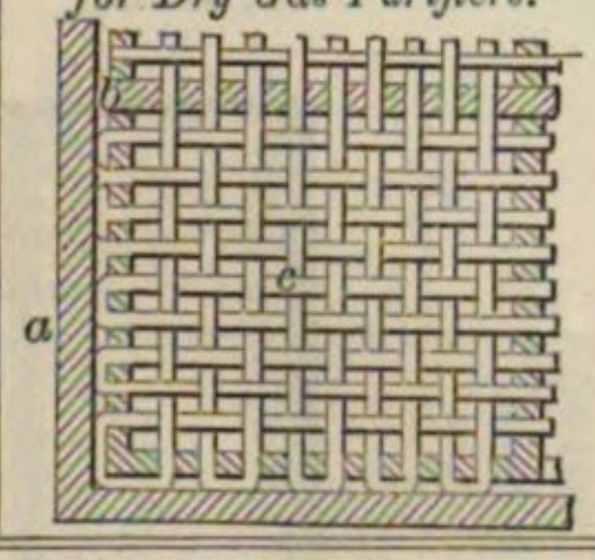
58390—H. Doolittle—*Potato Digging Fork.*



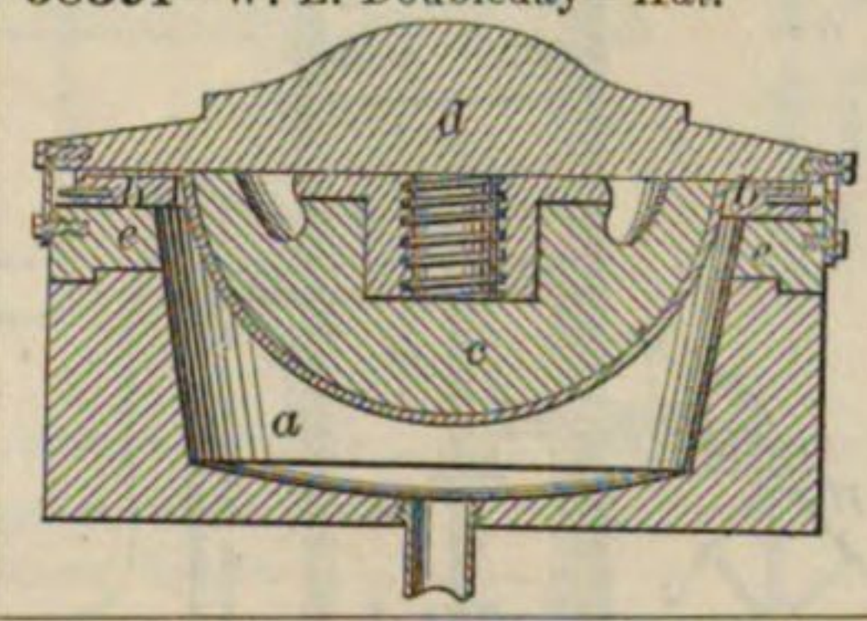
58392—A. M. Duburn—*Lantern.*



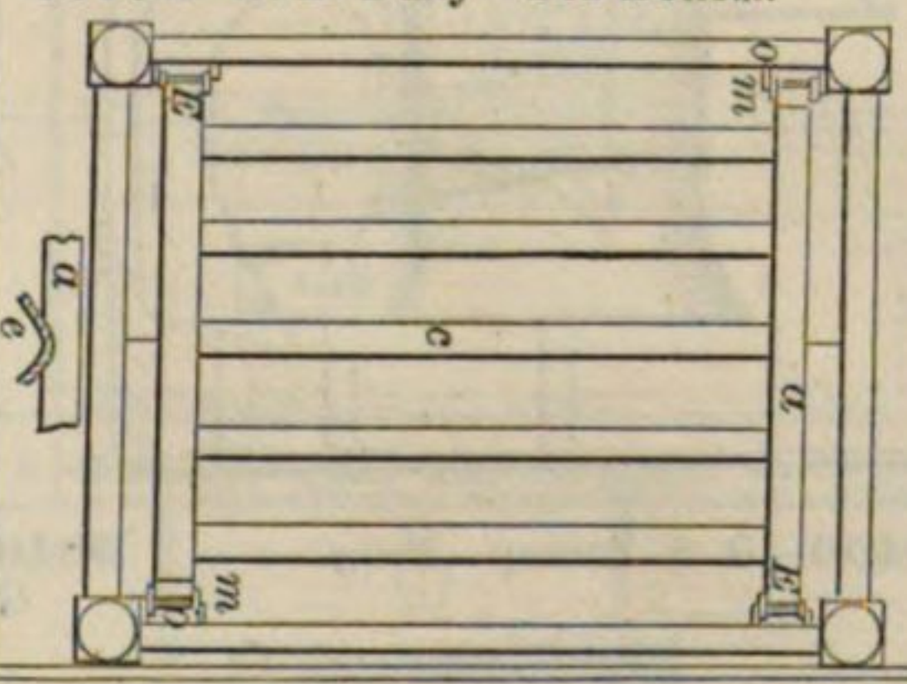
58393—E. Duffee—*Screen for Dry Gas Purifiers.*



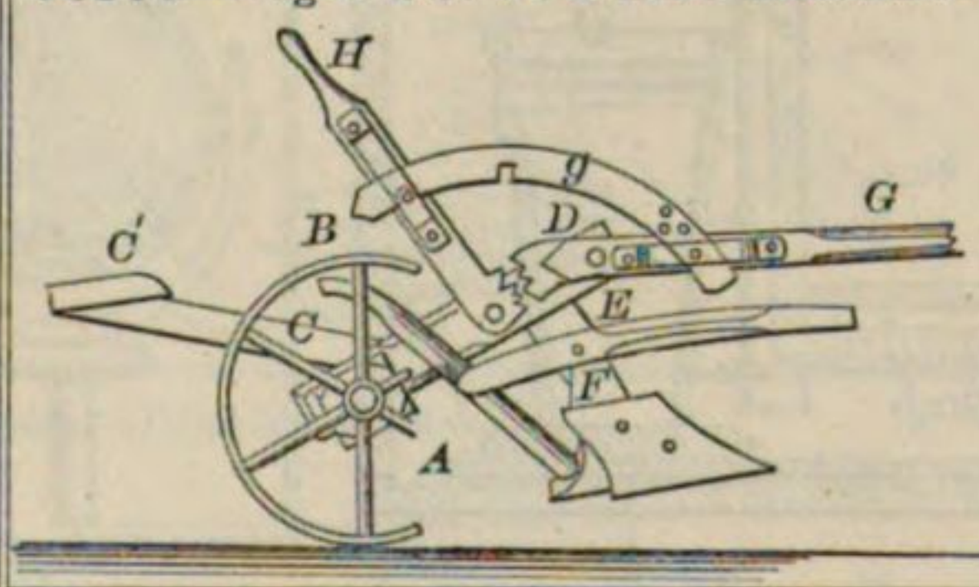
58391—W. E. Doubleday—*Hat.*



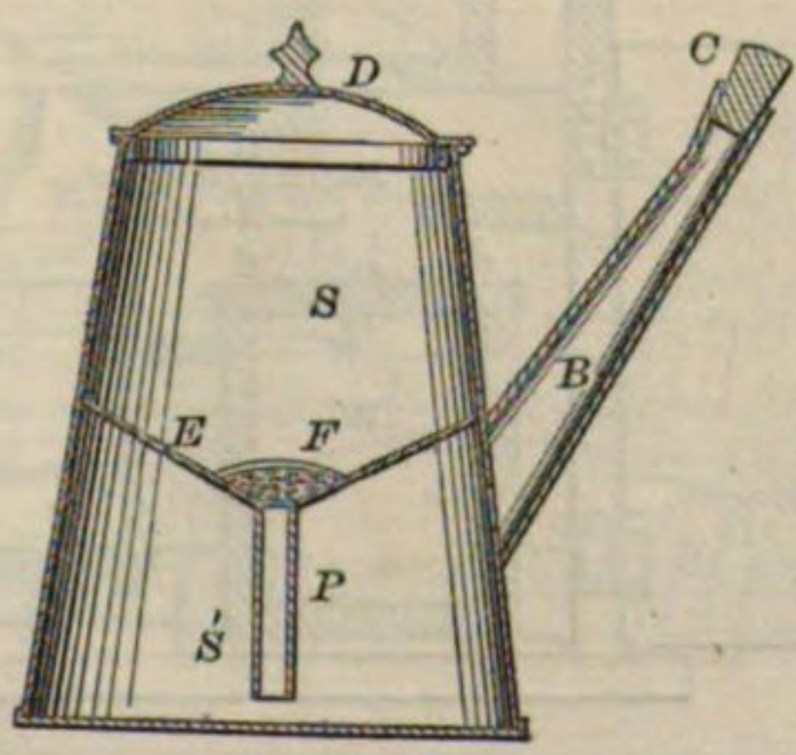
58394—F. B. Duffy—*Bed Bottom.*



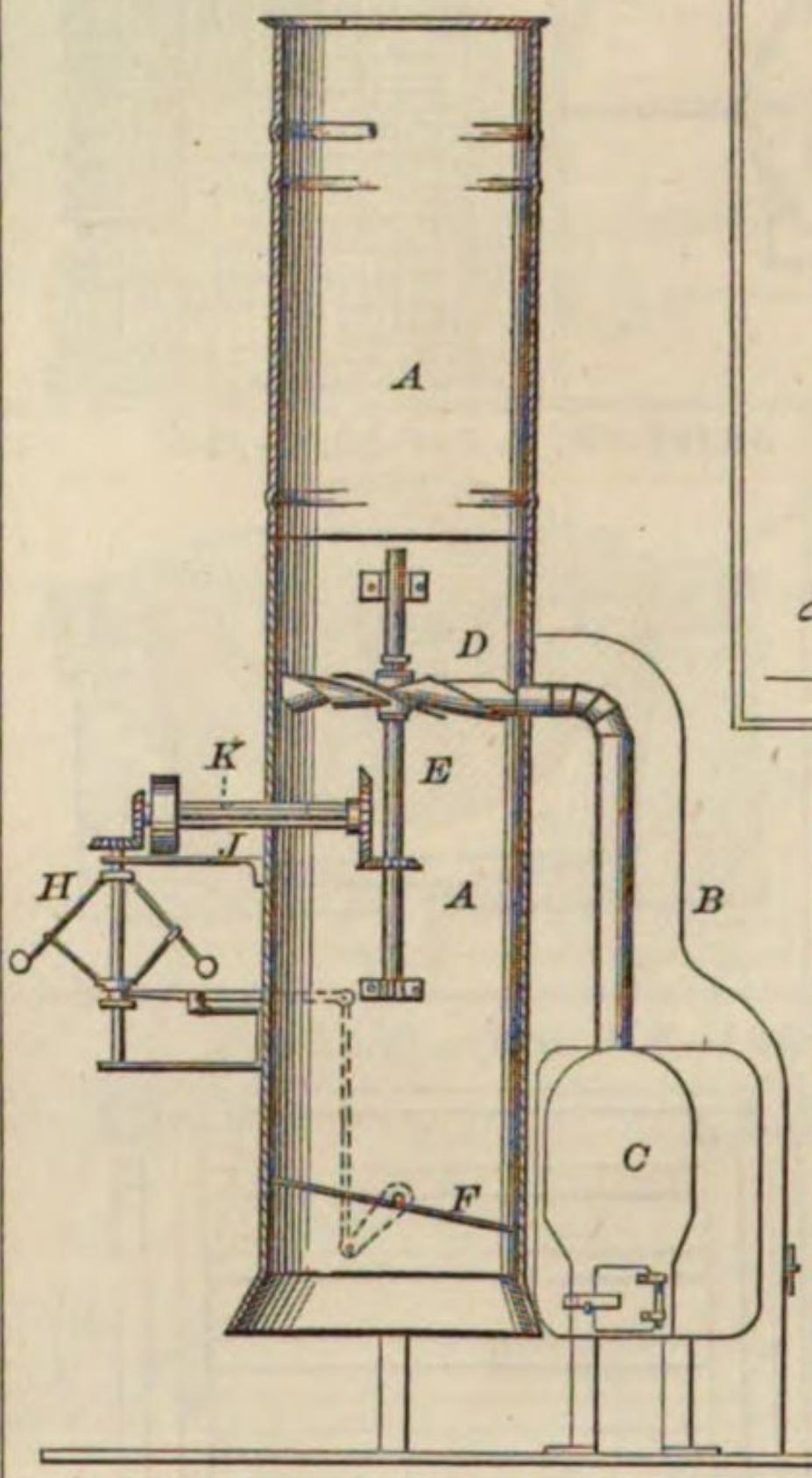
58395—Edgell & J. W. & E. A. Alexander—*Plow.*



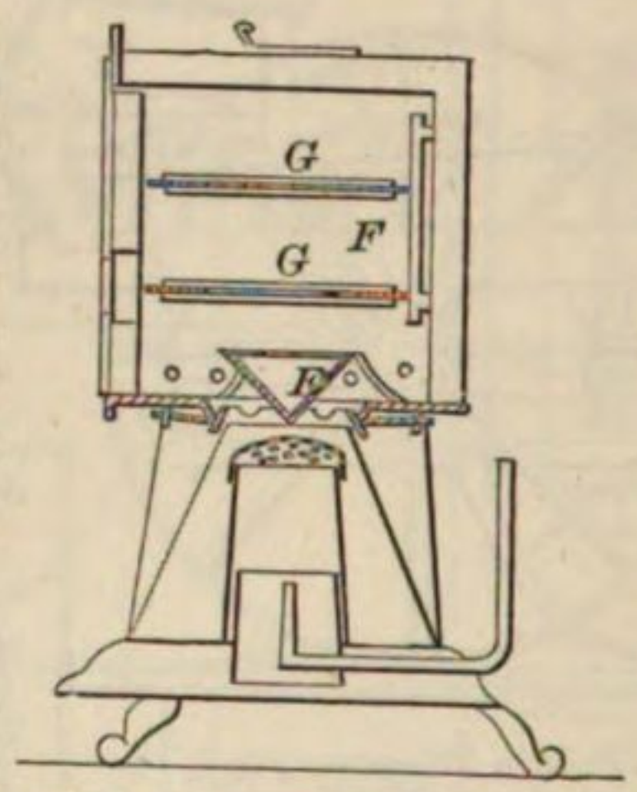
58396—W. Edson—*Coffee Pot.*



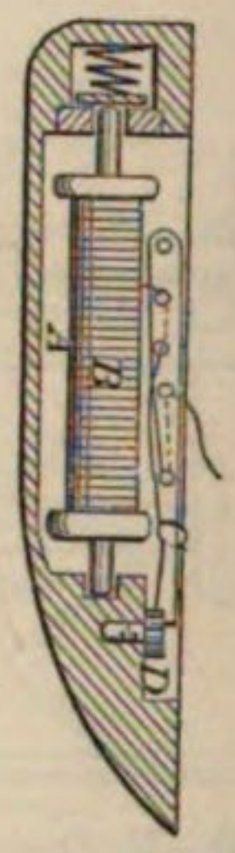
58397—P. A. Ensign—*Air Engine and Motor.*



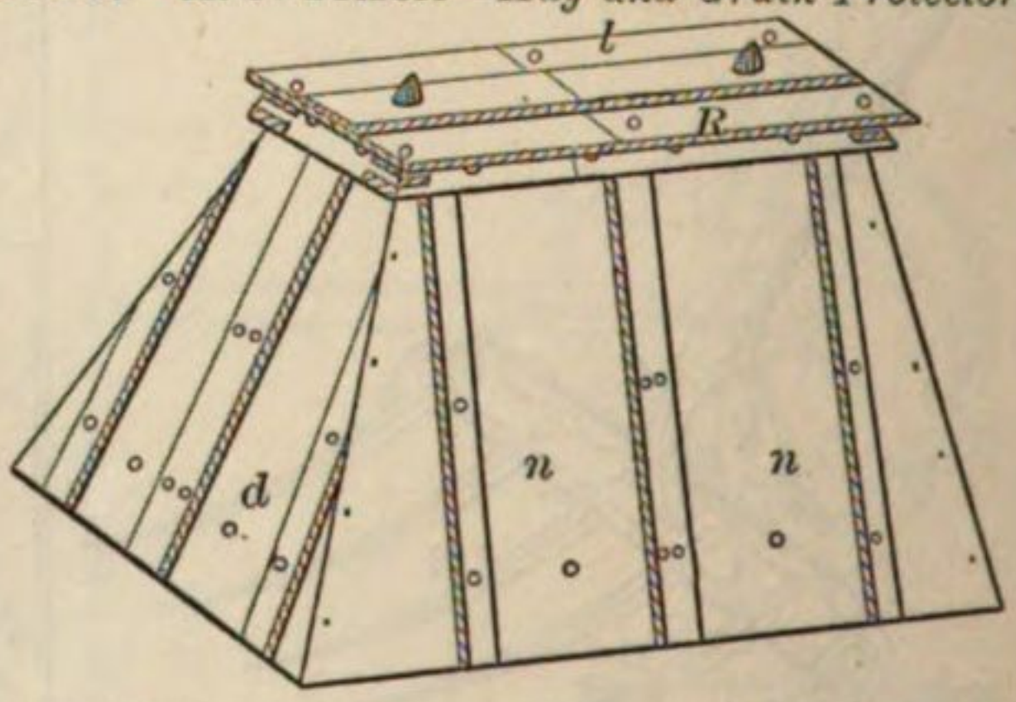
58398—L. Erving—*Oven for Gas Cook Stoves.*



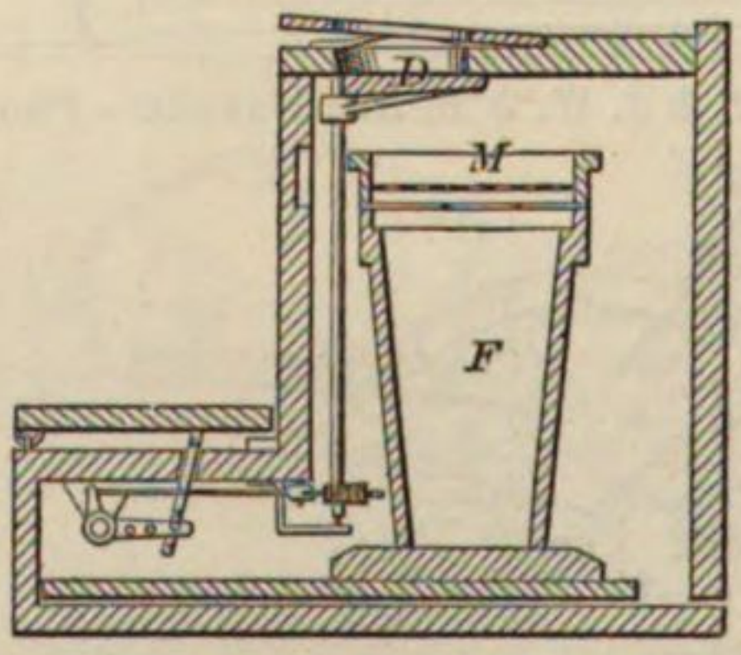
58399—F. Etzold—*Sewing Machine Shuttle.*



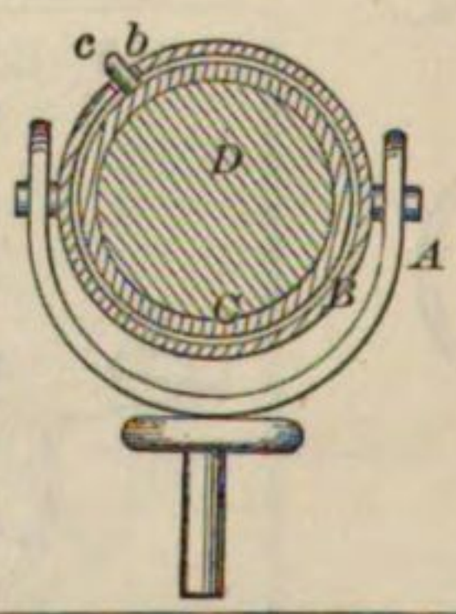
58401—A. J. Frisbie—*Hay and Grain Protector.*



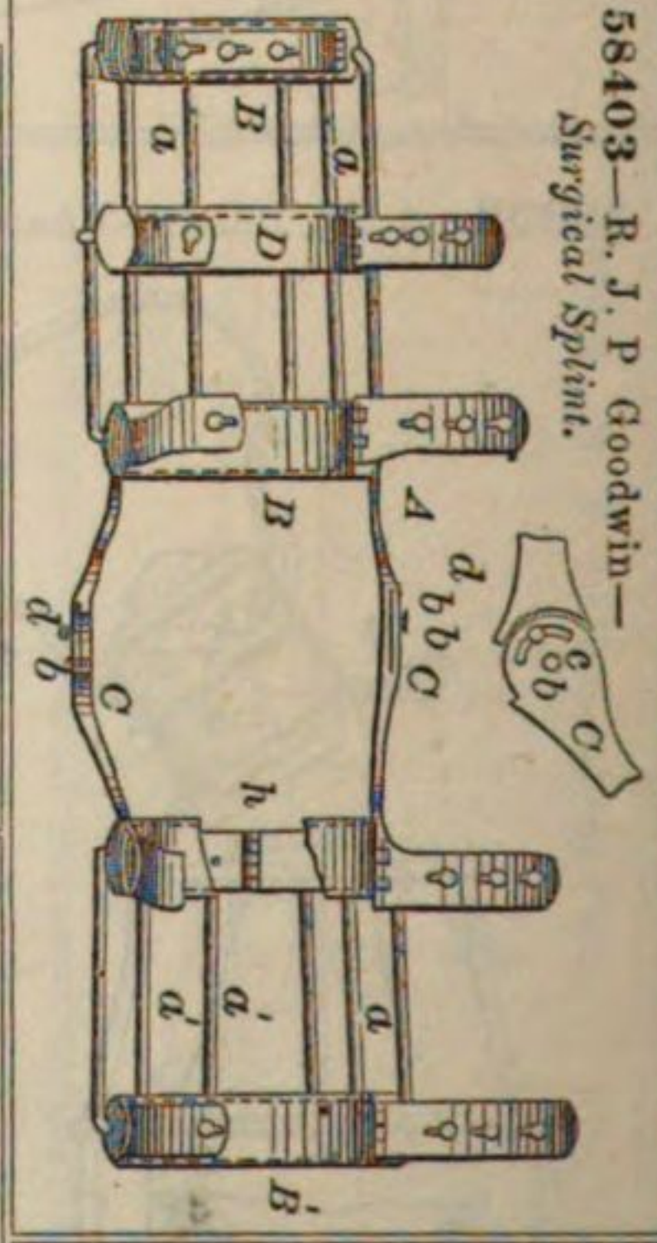
58400—D. S. Forney—*Privy.*

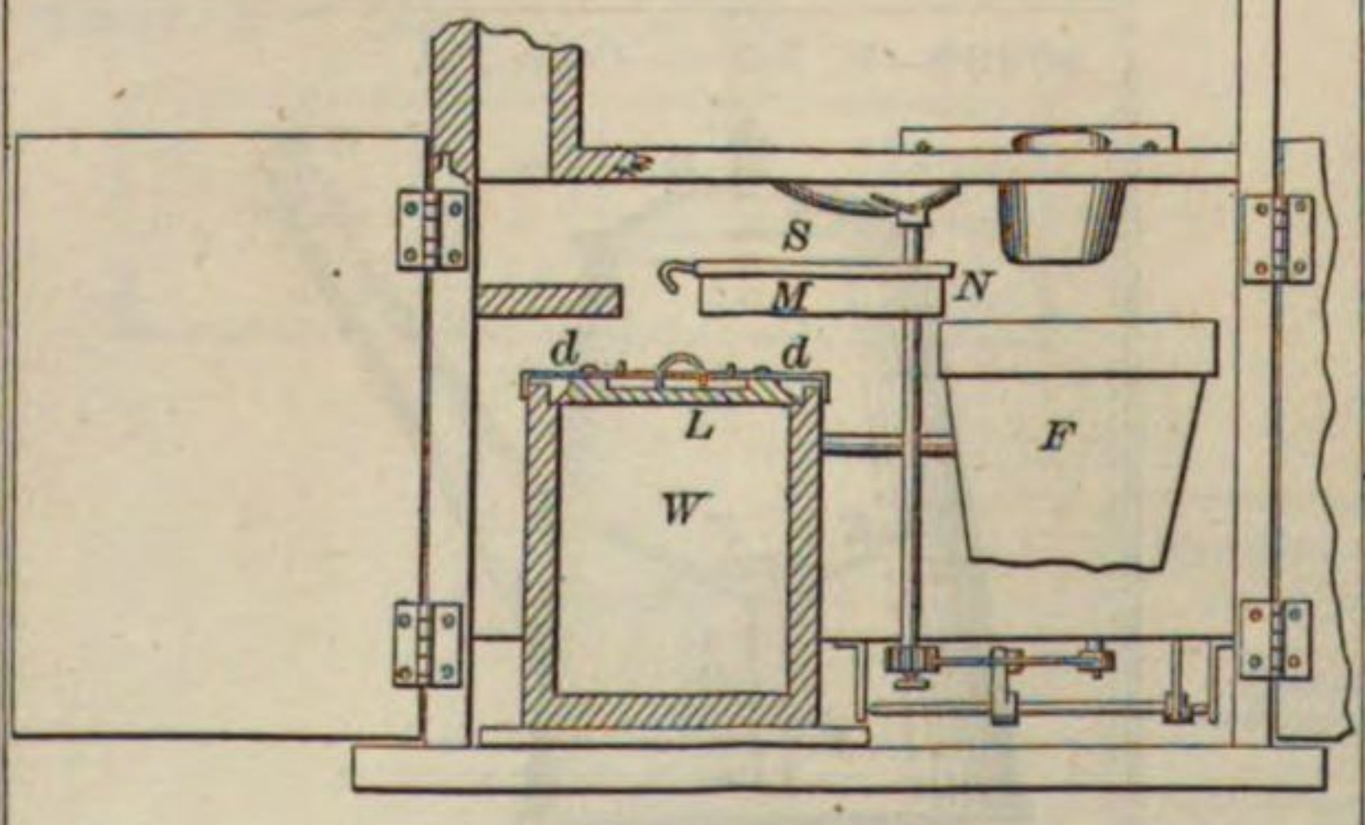


58402—M. Fryer—*Oar Swivel.*

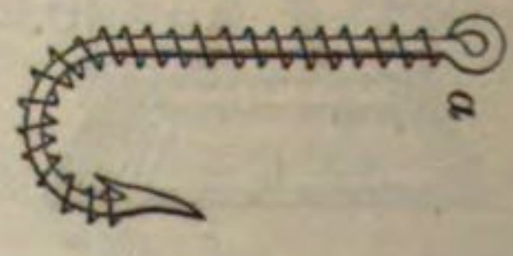


58403—R. J. P Goodwin—*Surgical Splint.*

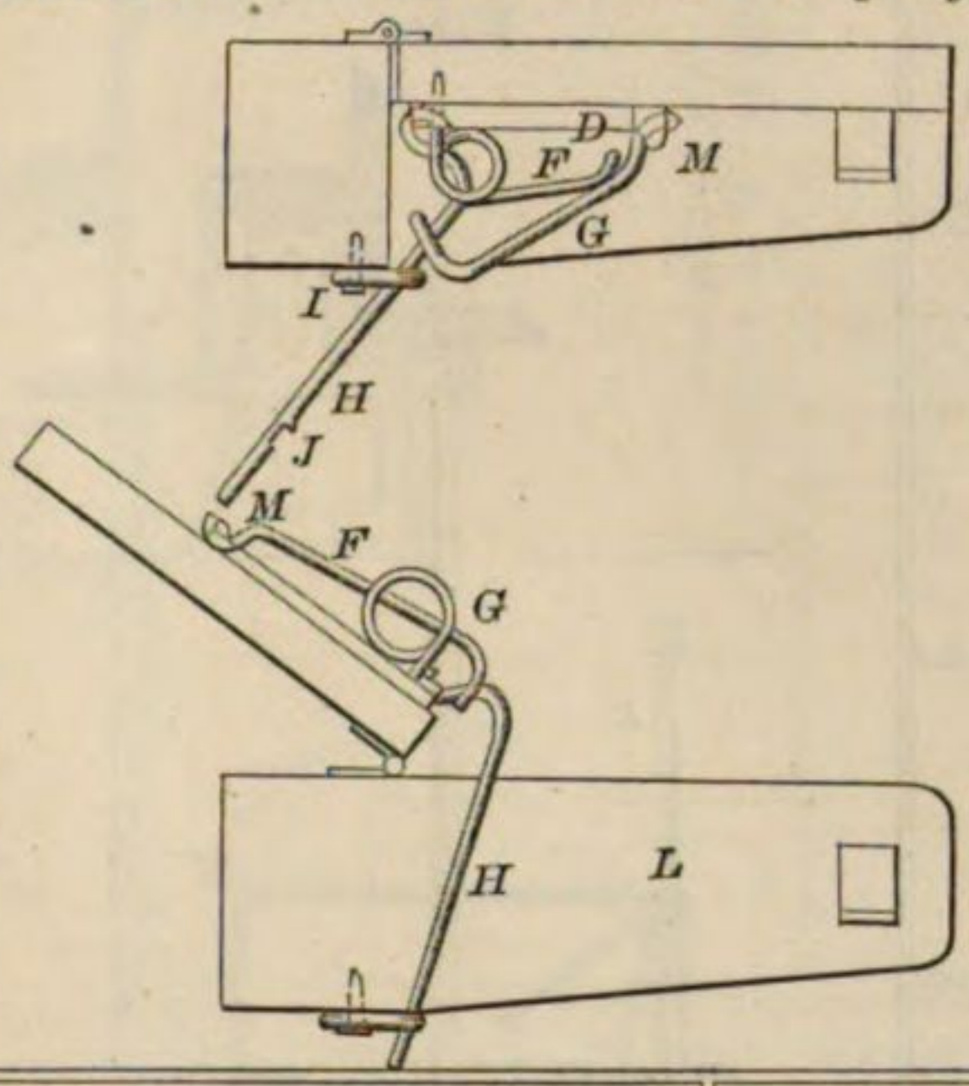




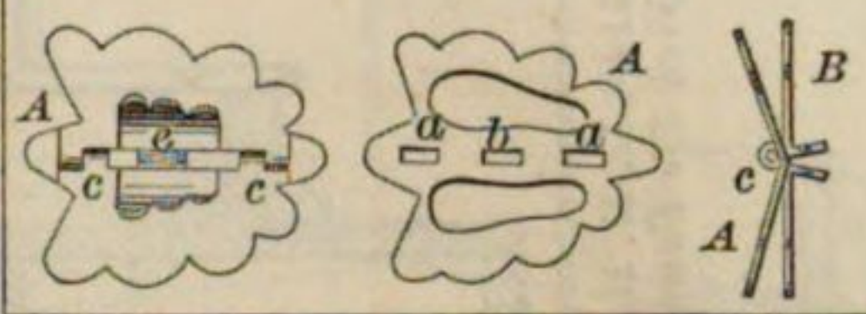
58404—W. C. Goodwin—*Fish Hook.*



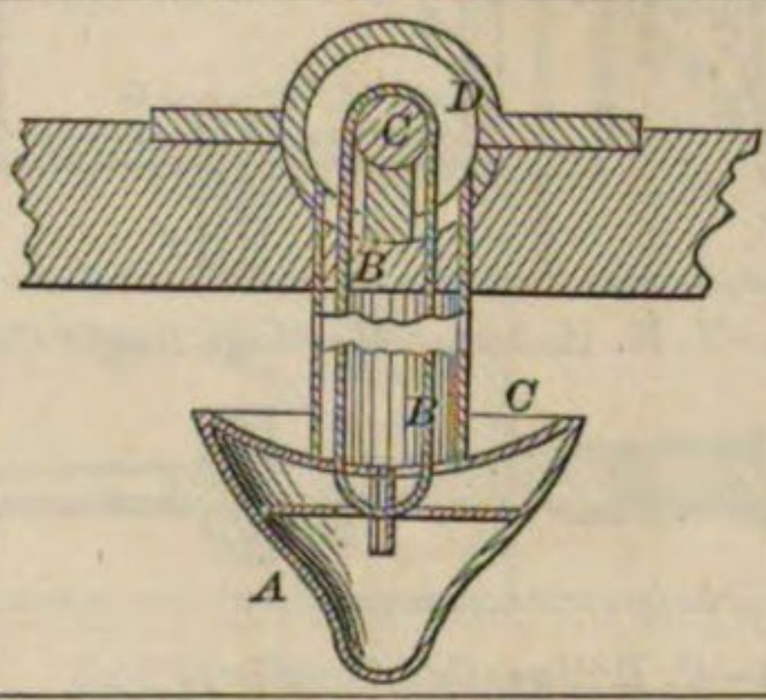
58405—J. C. Gould—*Door and Gate Spring.*



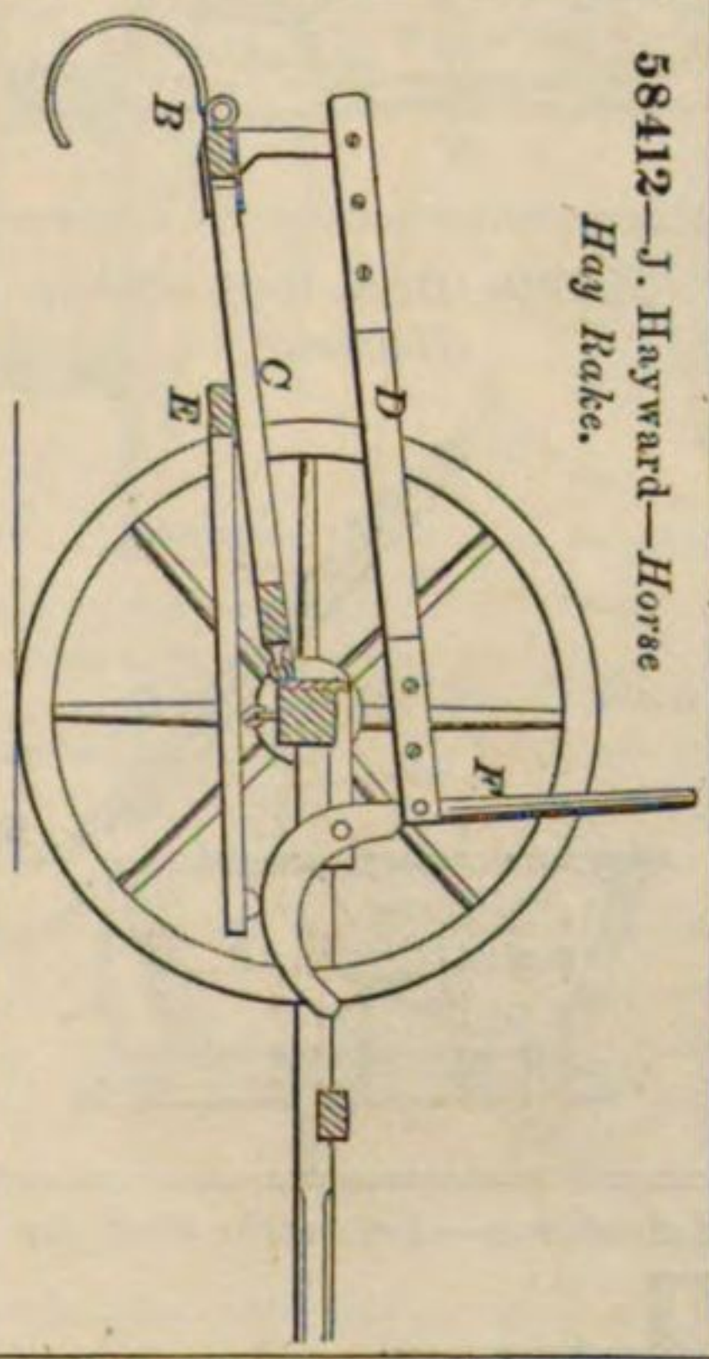
58406—C. Grün—*Ladies' Skirt Elevator.*



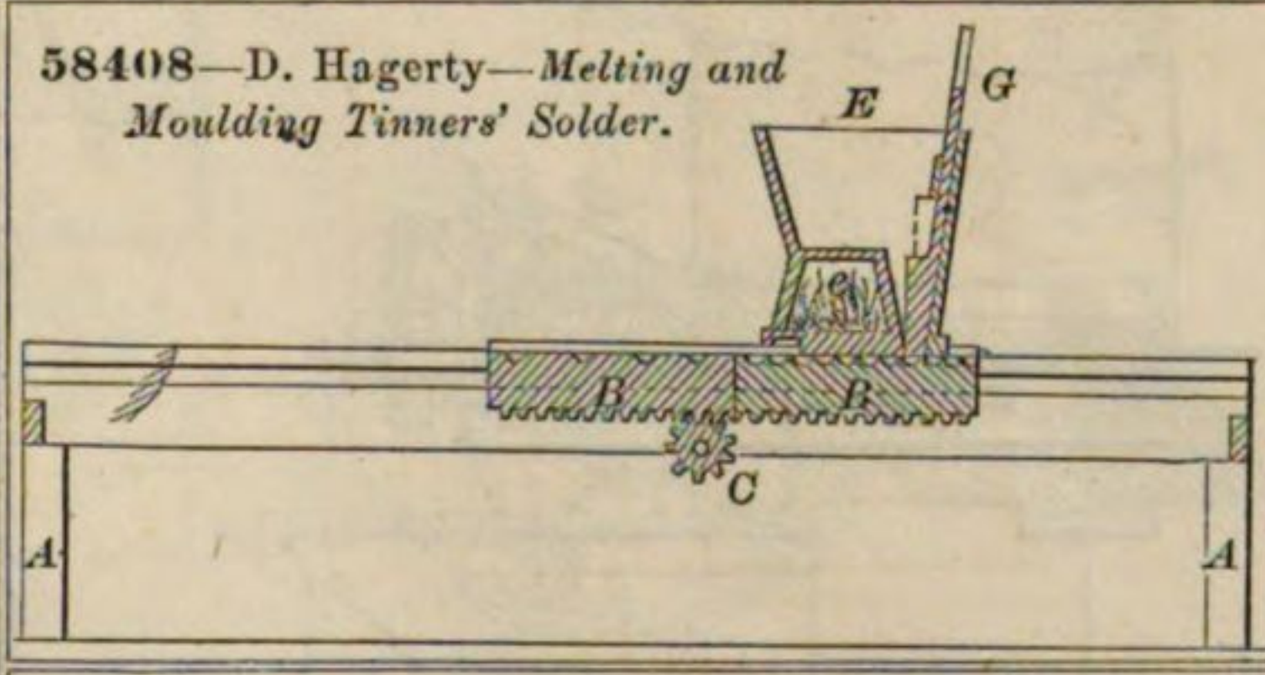
58409—W. Hamilton—*Lubricating Apparatus.*



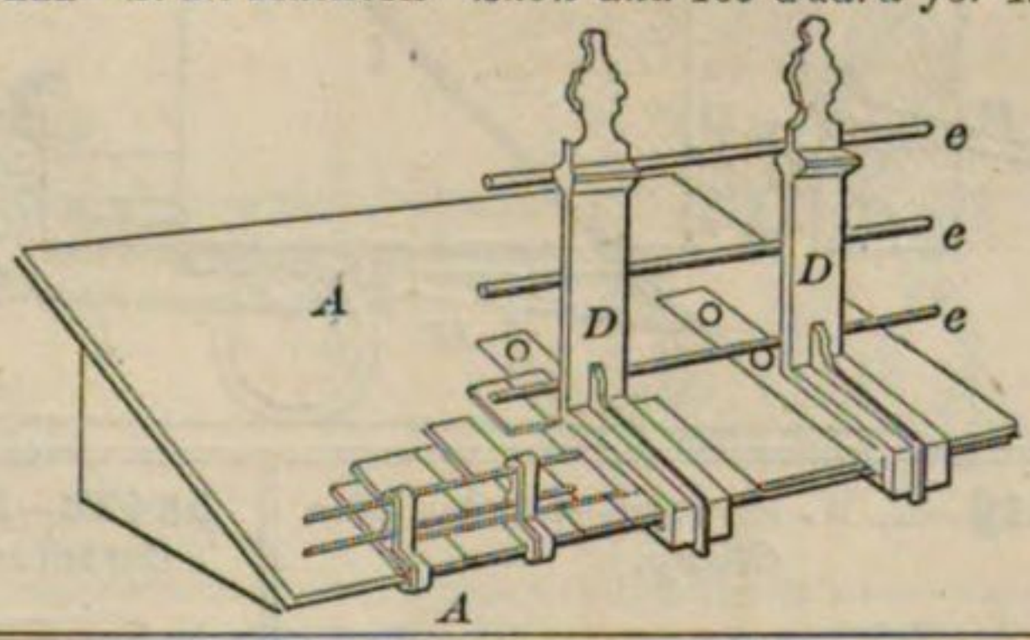
58412—J. Hayward—*Horse Hay Rake.*



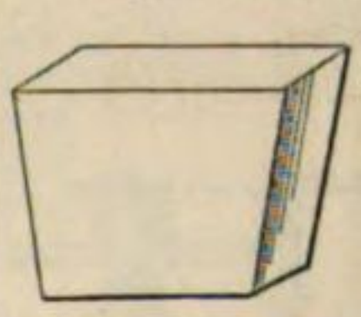
58408—D. Hagerty—*Melting and Moulding Tinners' Solder.*



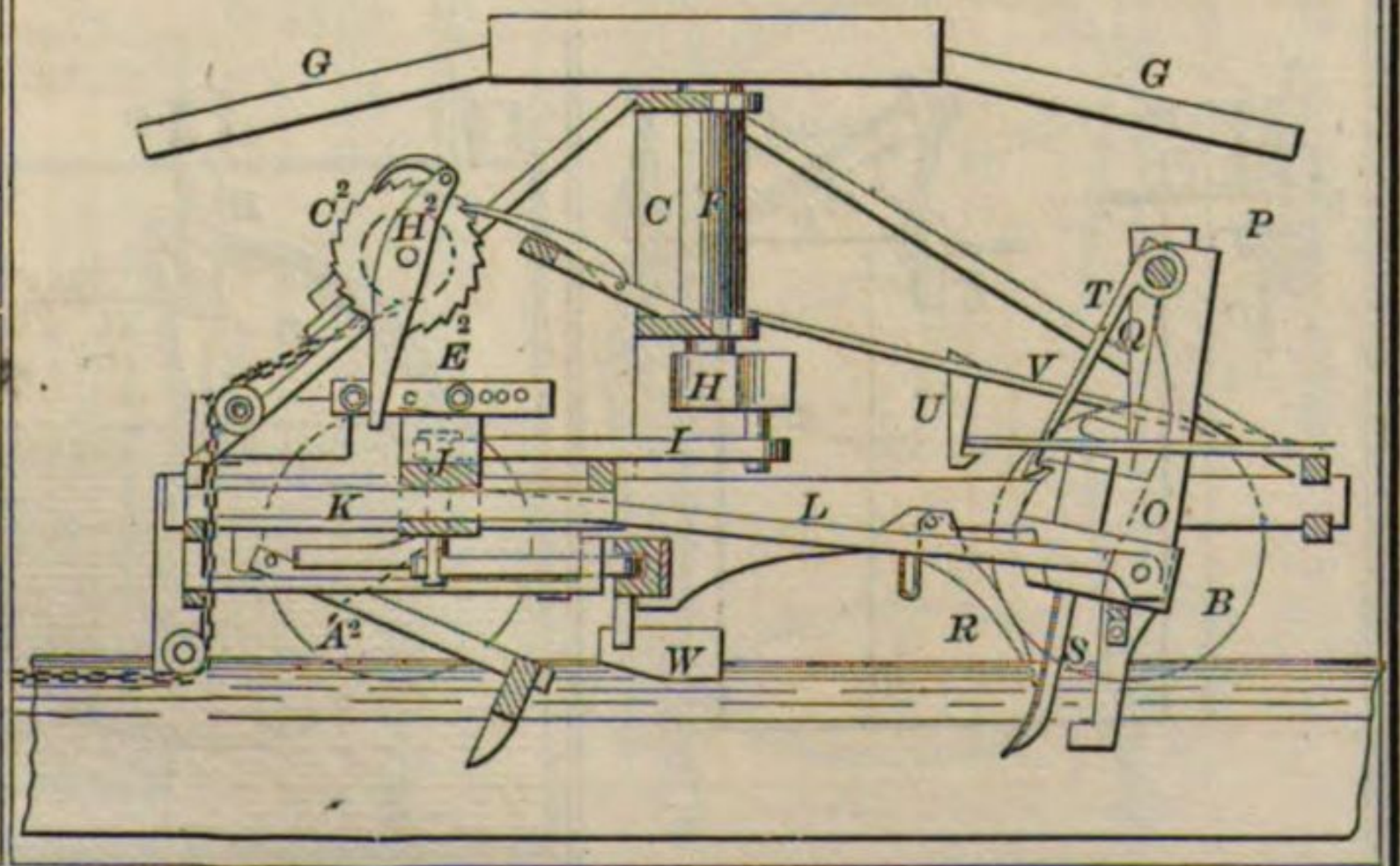
58411—S. R. Hathorn—*Snow and Ice Guard for Roofs.*



58407—C. Guidet—*Belgian Pavement.*



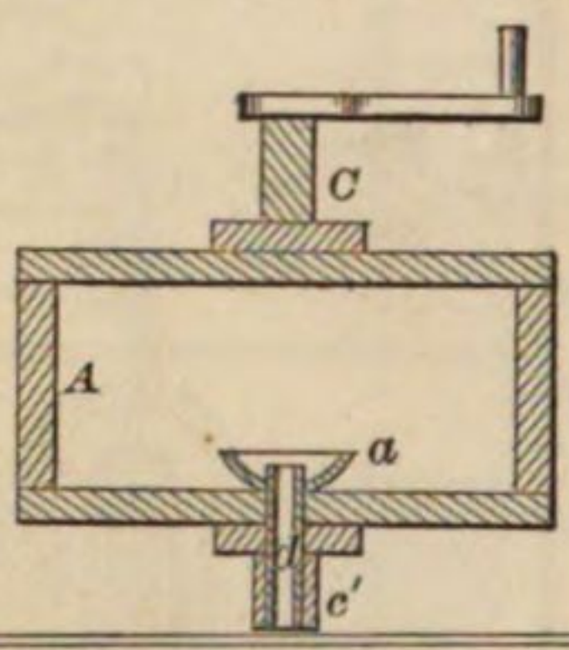
58413—E. Heath—*Ditching Machine.*



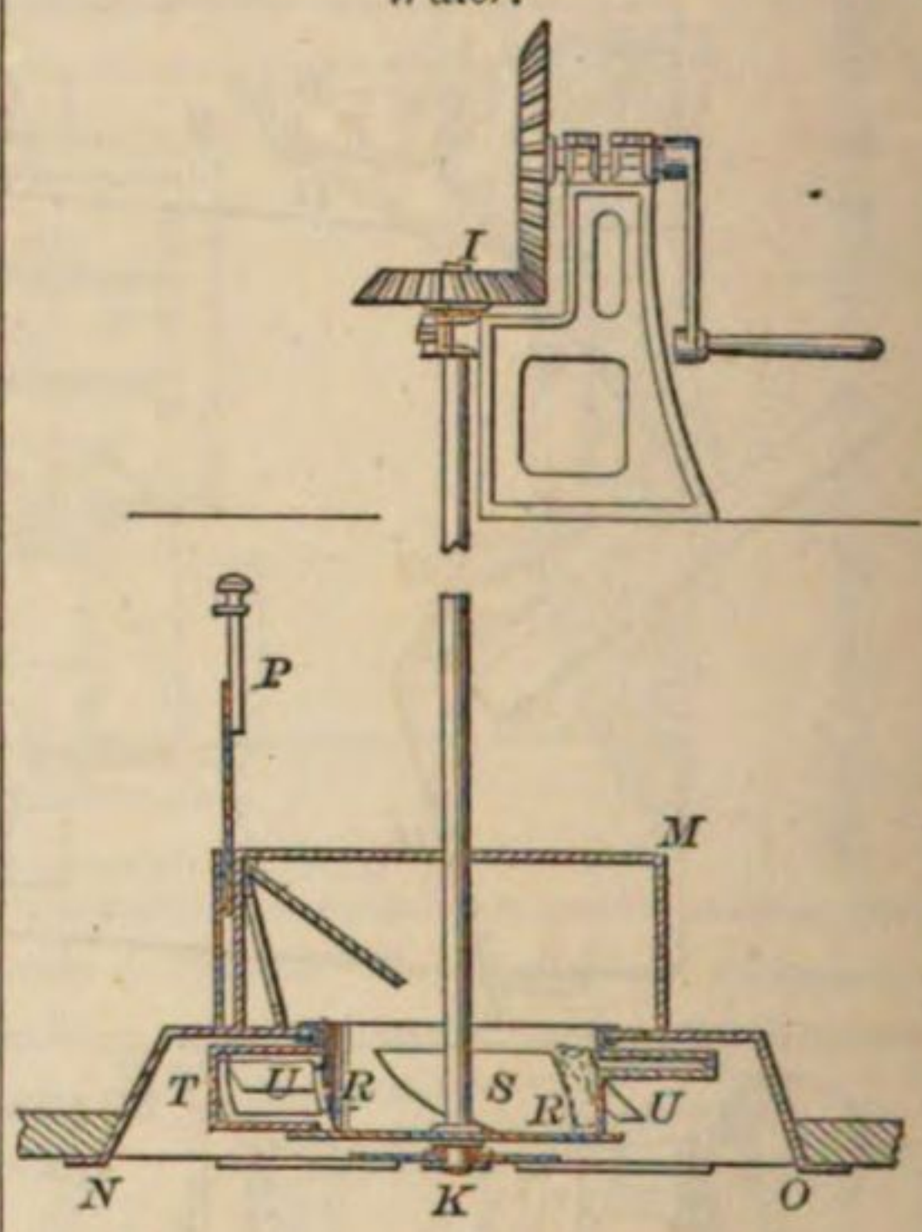
58410—T. R. Hartell—*Ornamenting and Lettering Glass.*

58414—H. M. Heineman—*Neck Tie Fastening.*

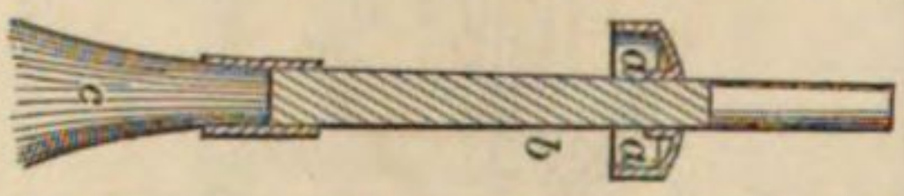
58415—J. Henry—*Churn.*



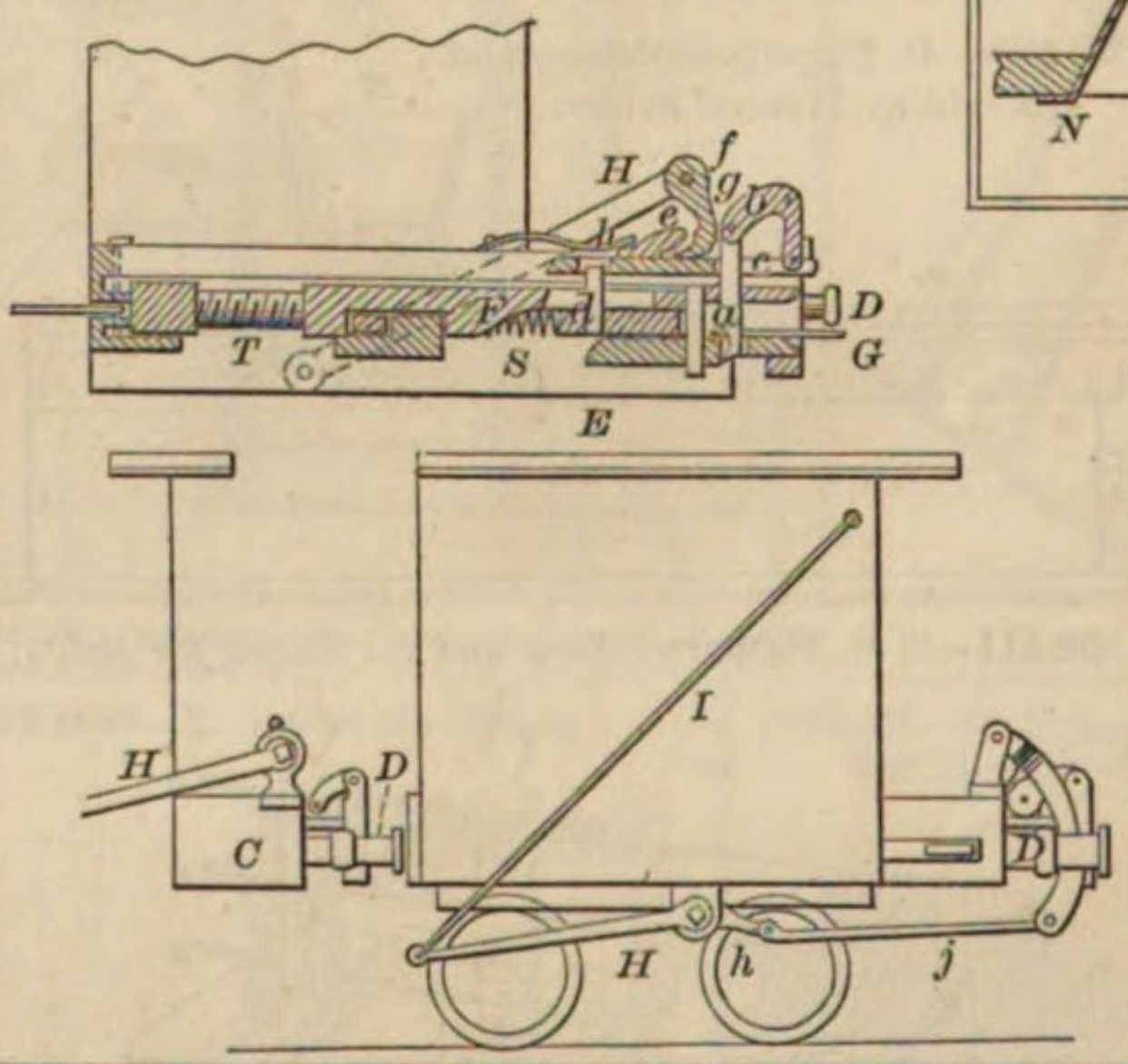
58416—A. Hermann—*Discharging Bilge Water.*



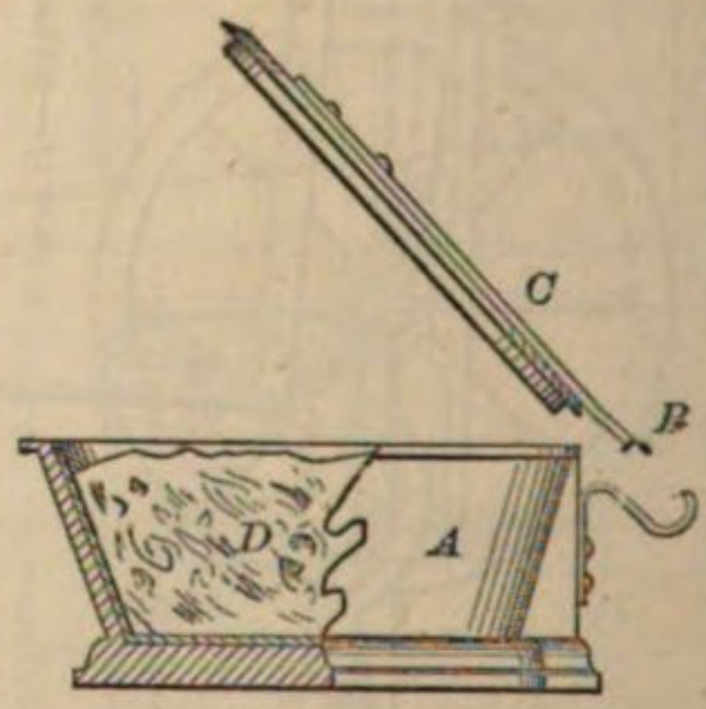
58417—T. N. Hickox—*Mucilage Bottle Cap.*



58418—C. Holtz—*Car Coupling.*

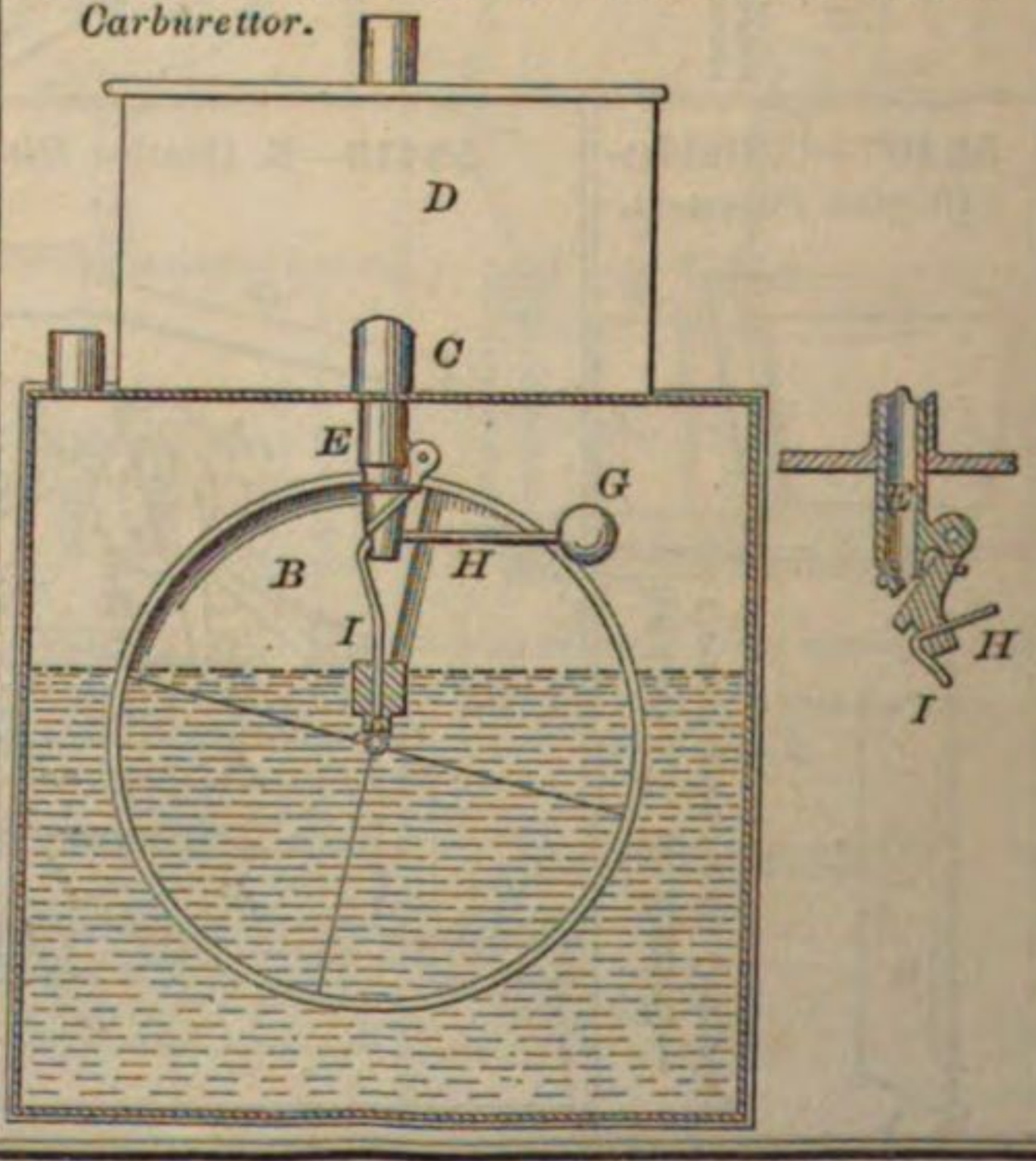


58420—H. A. Hoyt—*Stamp Moistener.*

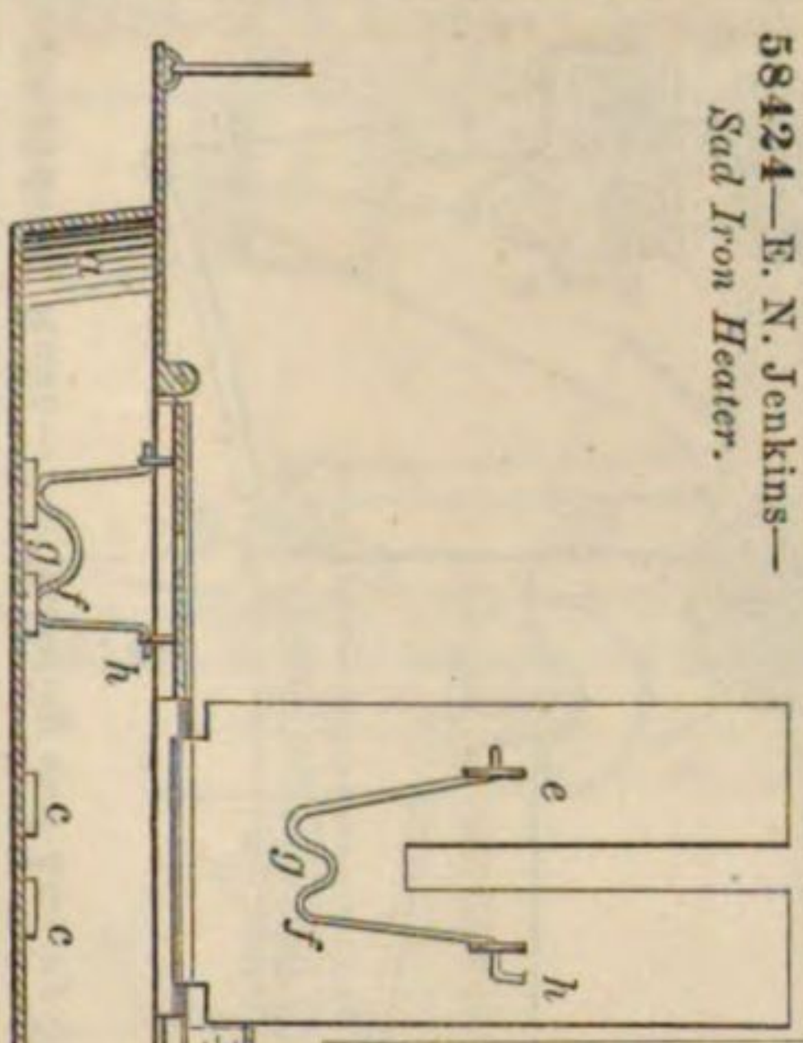


58419—C. W. Howard—*Clothes Line Clamp.*

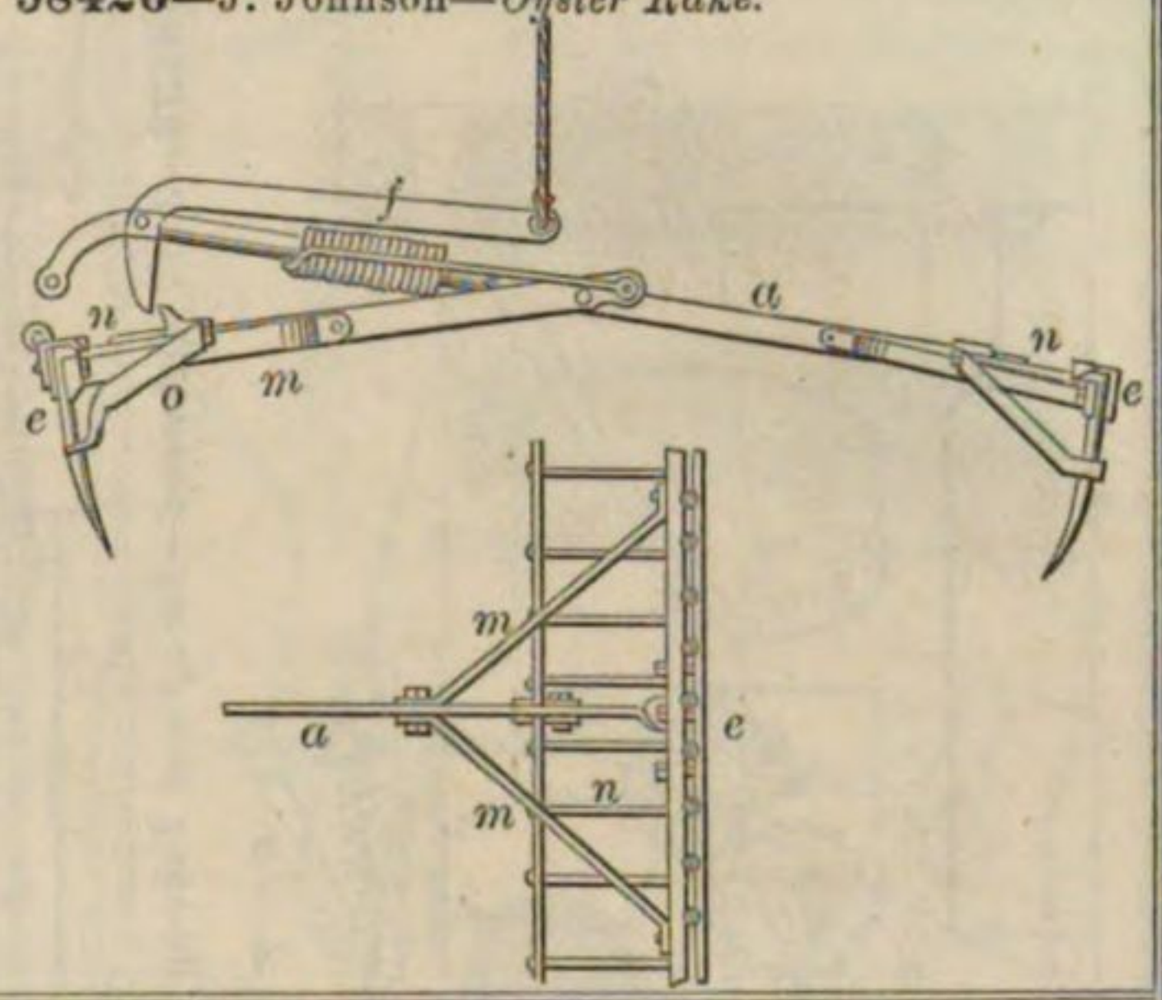
58422—E. S. Hutchinson—*Automatic Feed for Carburettor.*



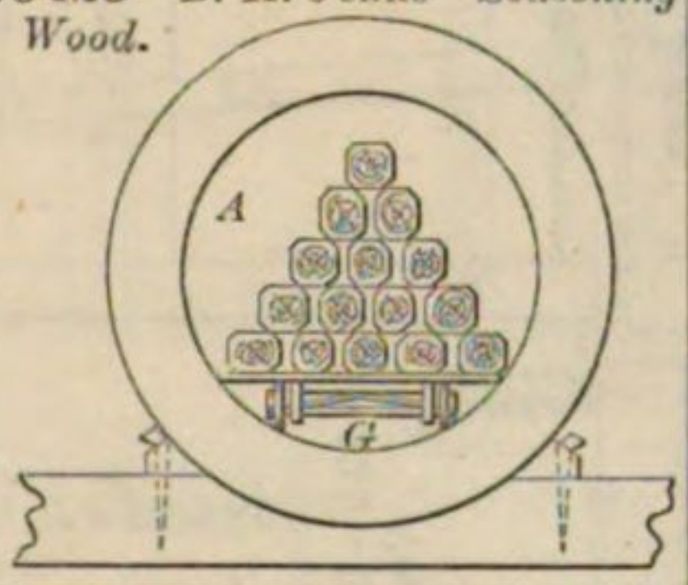
58424—E. N. Jenkins—*Sad Iron Heater.*



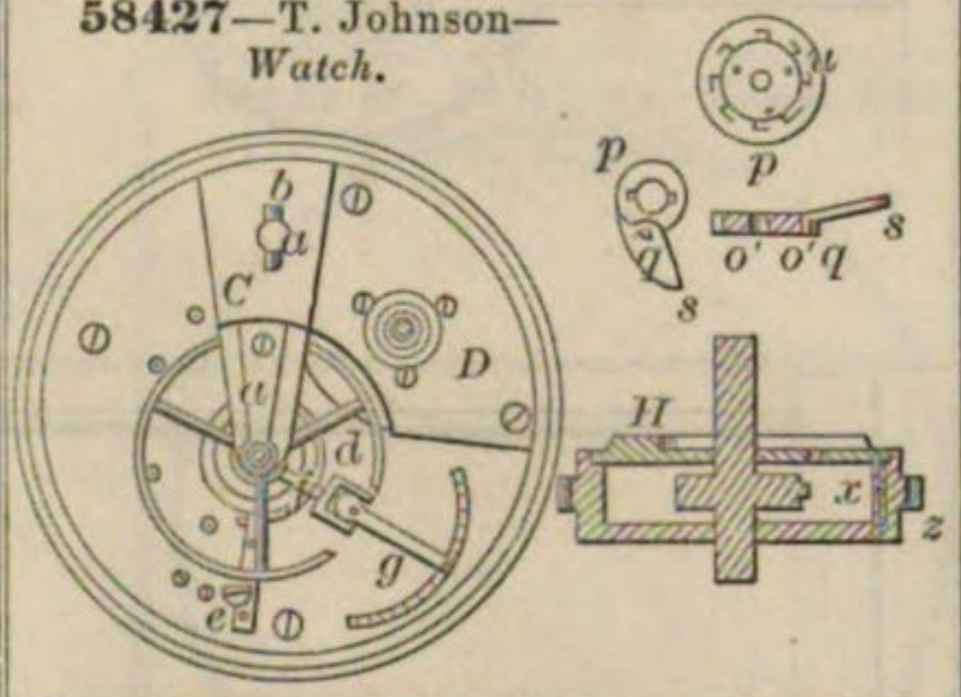
58426—J. Johnson—*Oyster Rake.*



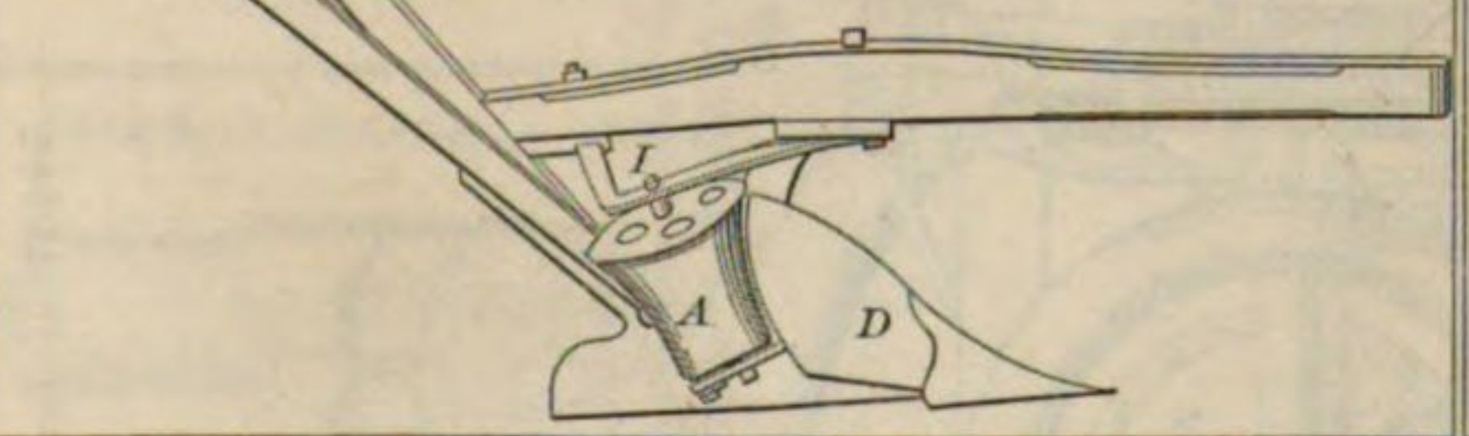
58425—B. H. Jenks—*Seasoning Wood.*



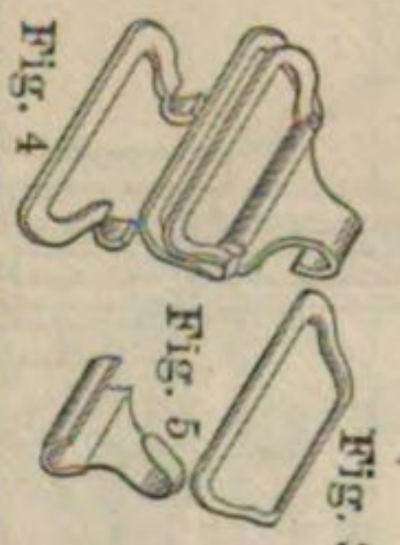
58427—T. Johnson—*Watch.*



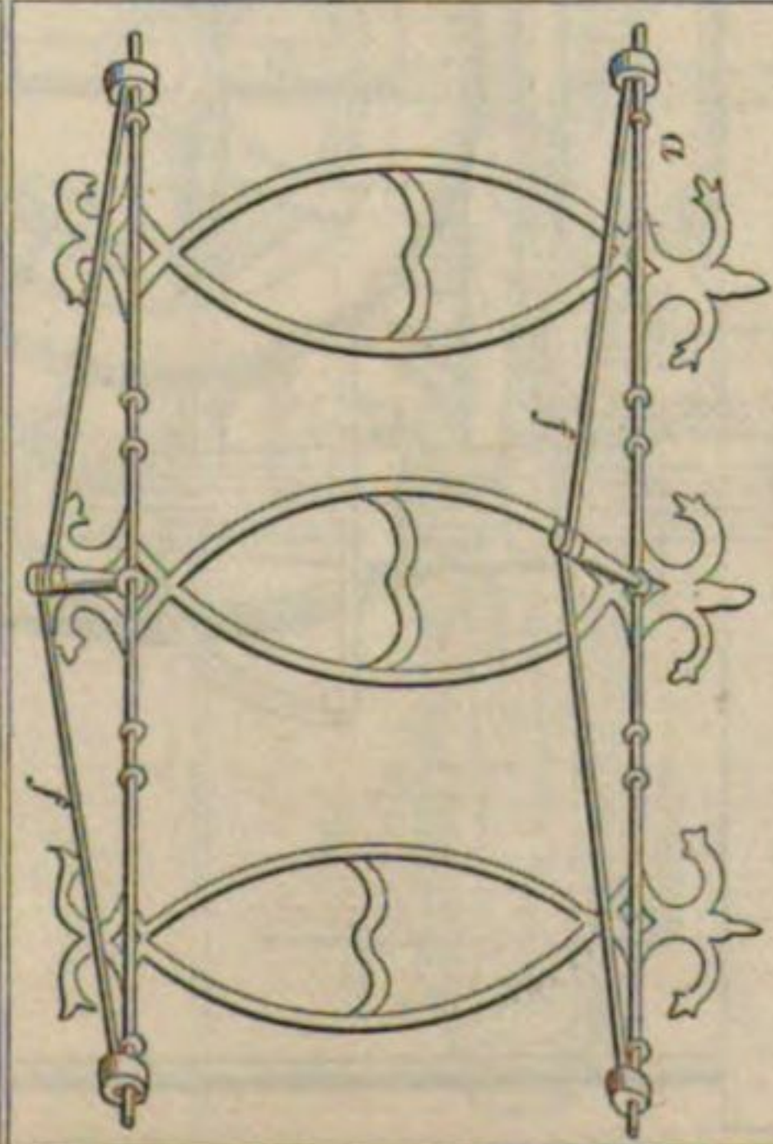
85431—I. Kennedy—*Plow.*



58430—G. R. Kelsey—*Belt Buckle.*



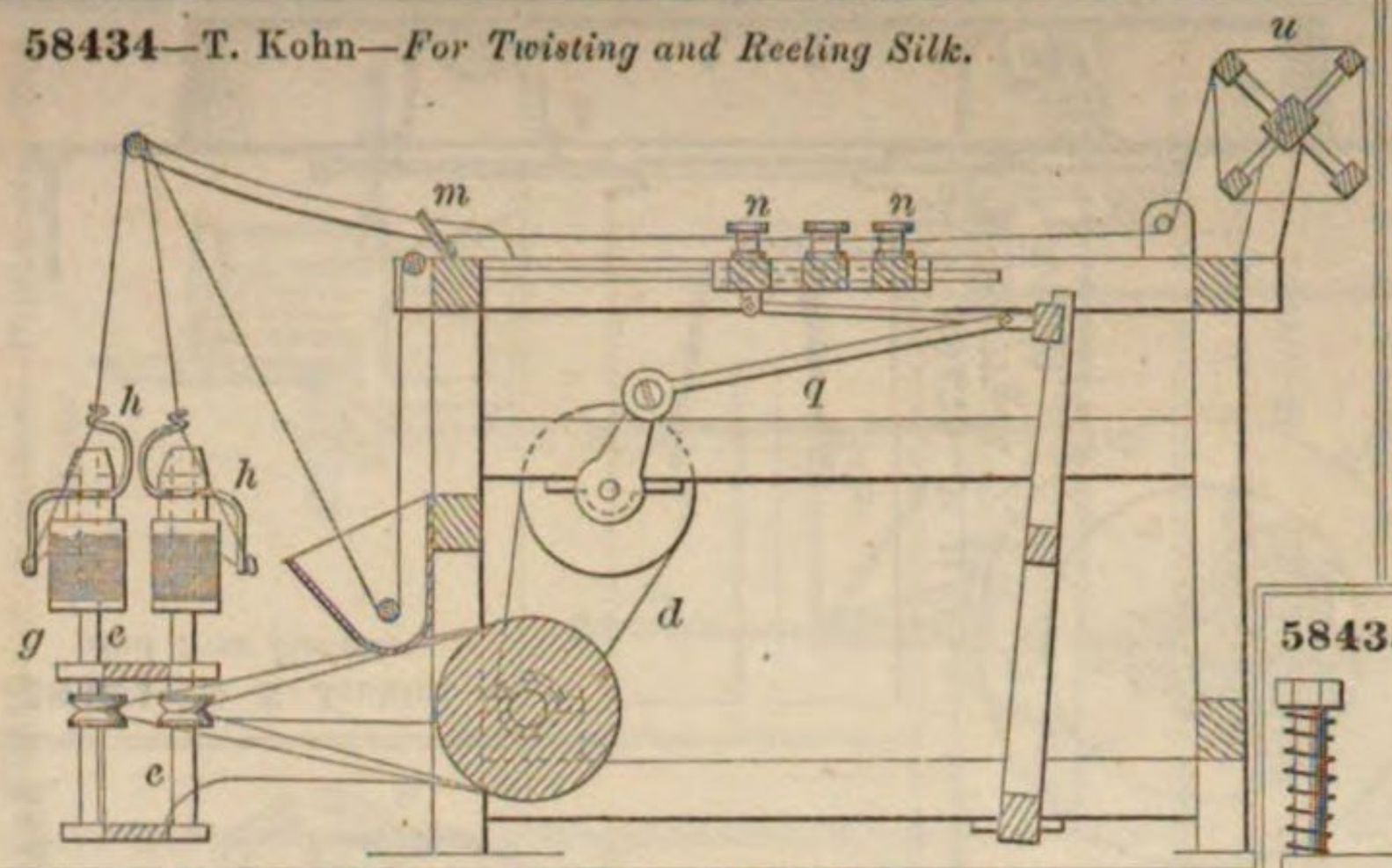
58432—G. Kicherer—*Fence.*



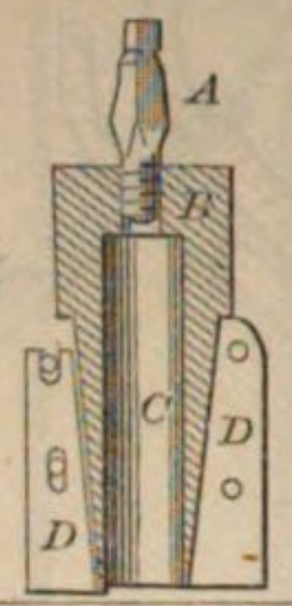
85429—Kellogg & Hill—*Billiard Register.*

58428—J. M. Keep—*Card Rack.*

58434—T. Kohn—*For Twisting and Reeling Silk.*

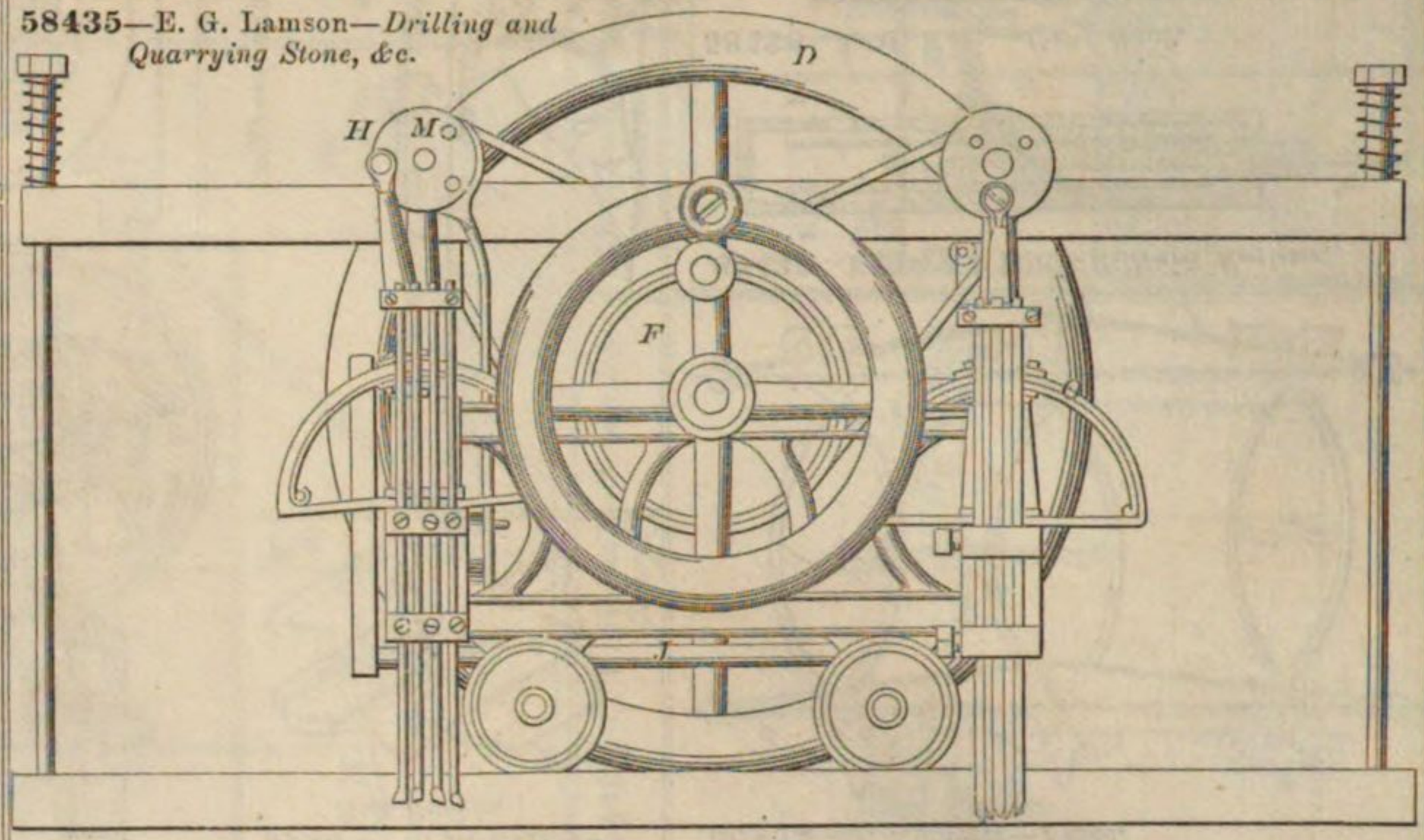


58436—J. Lefebar—*Hollow Auger.*

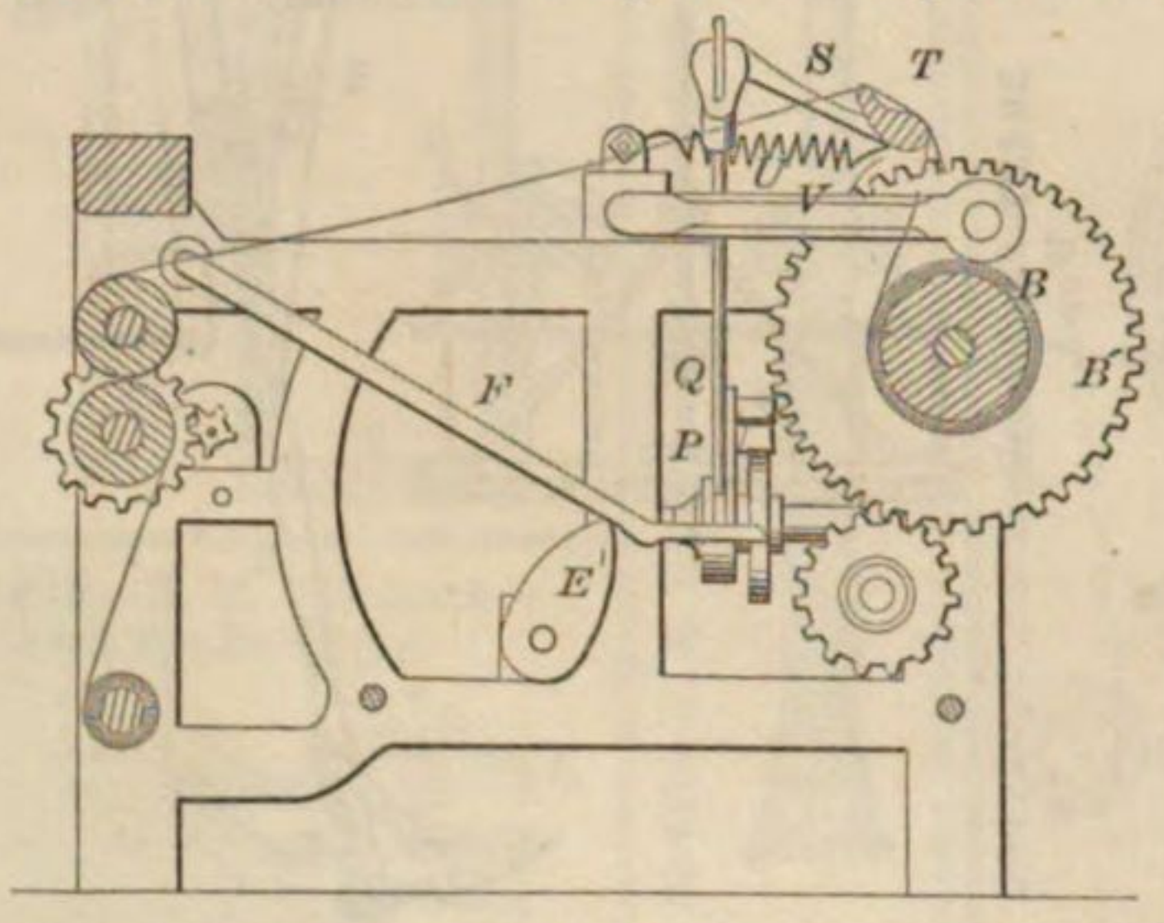


58437—J. Lemman—*Bedstead Fastening.*

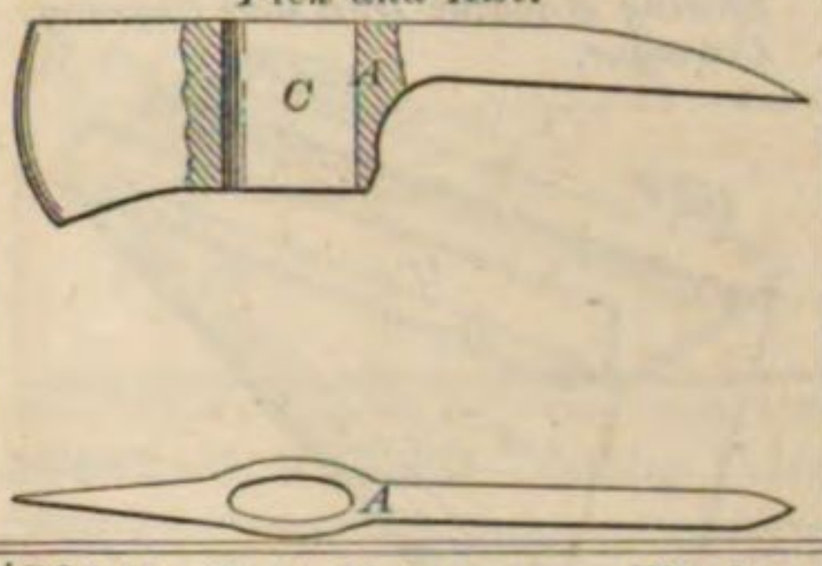
58435—E. G. Lamson—*Drilling and Quarrying Stone, &c.*



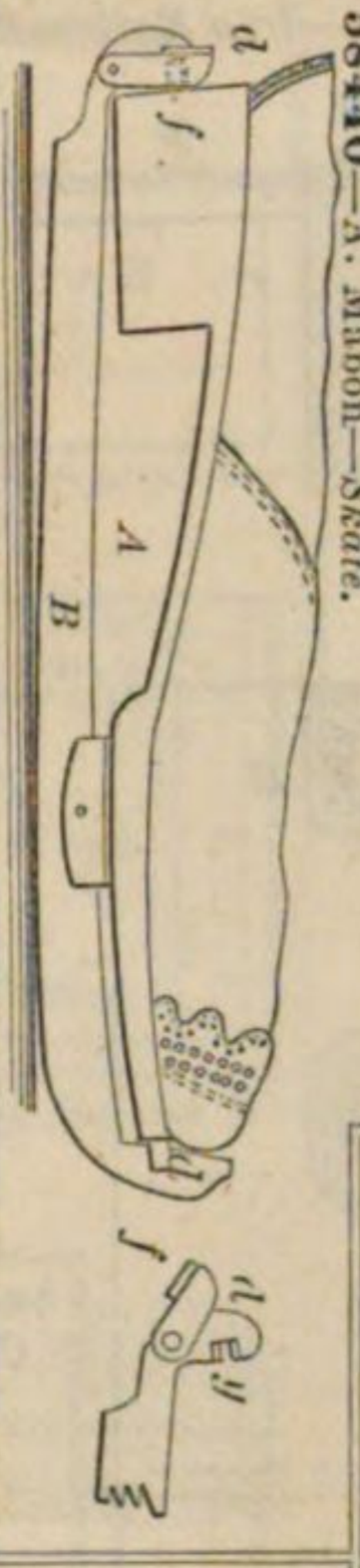
58433—J. F. Kirkwood—*Let-off and Take-up for Looms.*



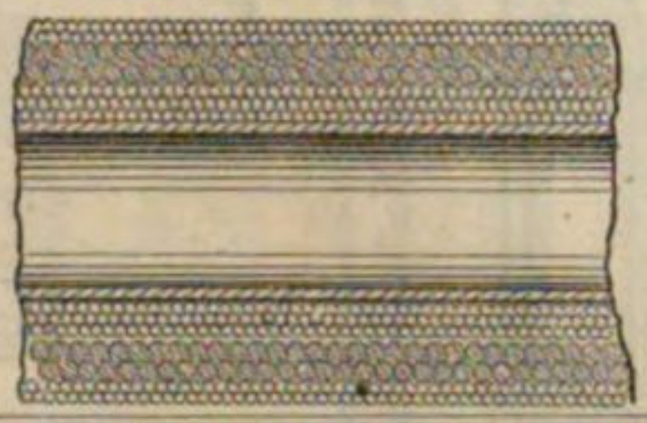
58438—H. L. Lowman—*Combined Pick and Axe.*



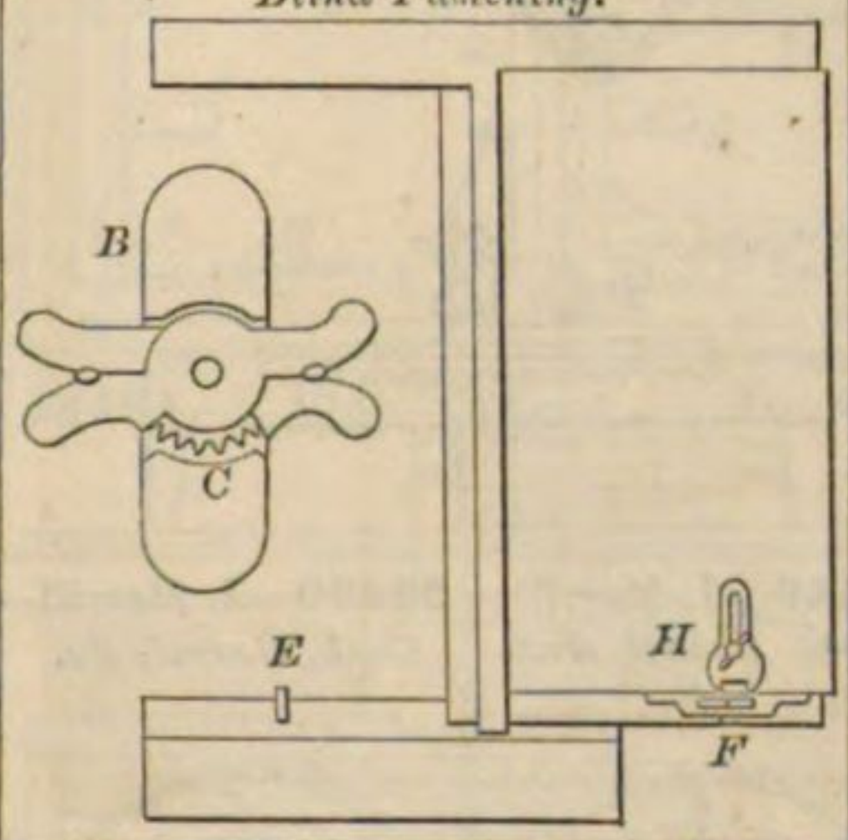
58440—A. Mabon—*Skate.*



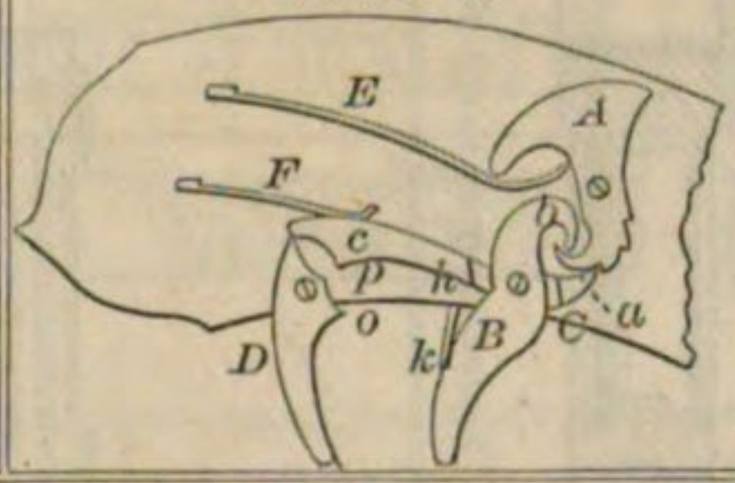
58439—Lyon & Doll—*Induction Coil for Electro-Magnets.*



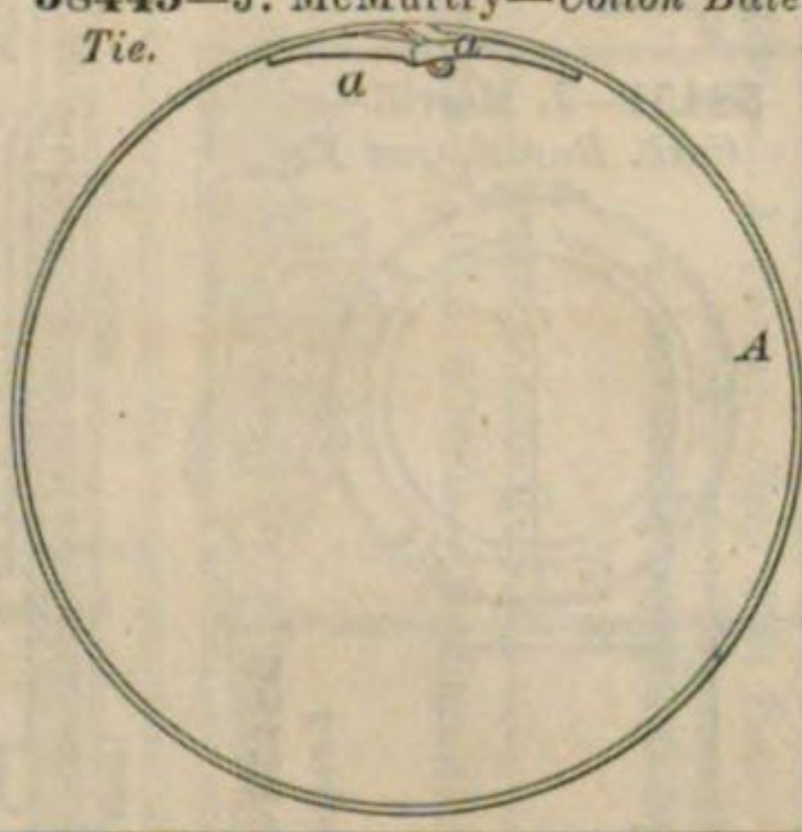
58441—F. A. Makepeace—*Window Blind Fastening.*



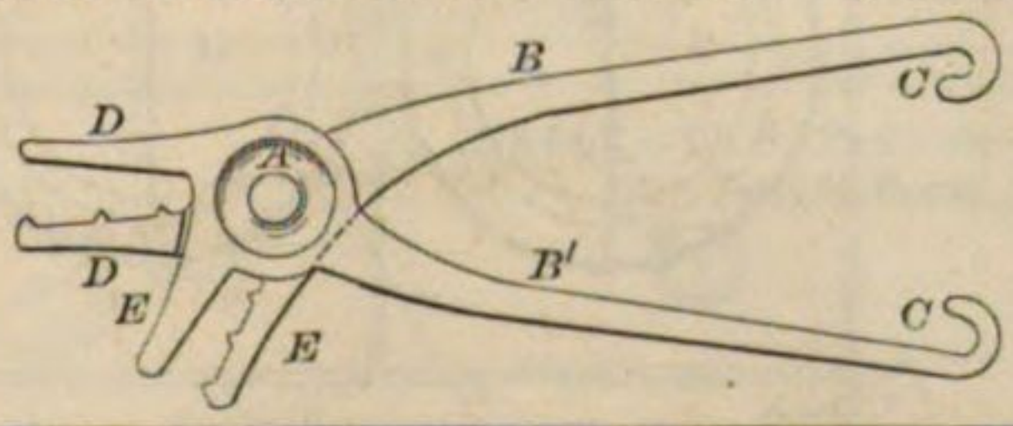
58443—J. E. McBeth—*Safety Gun Lock.*



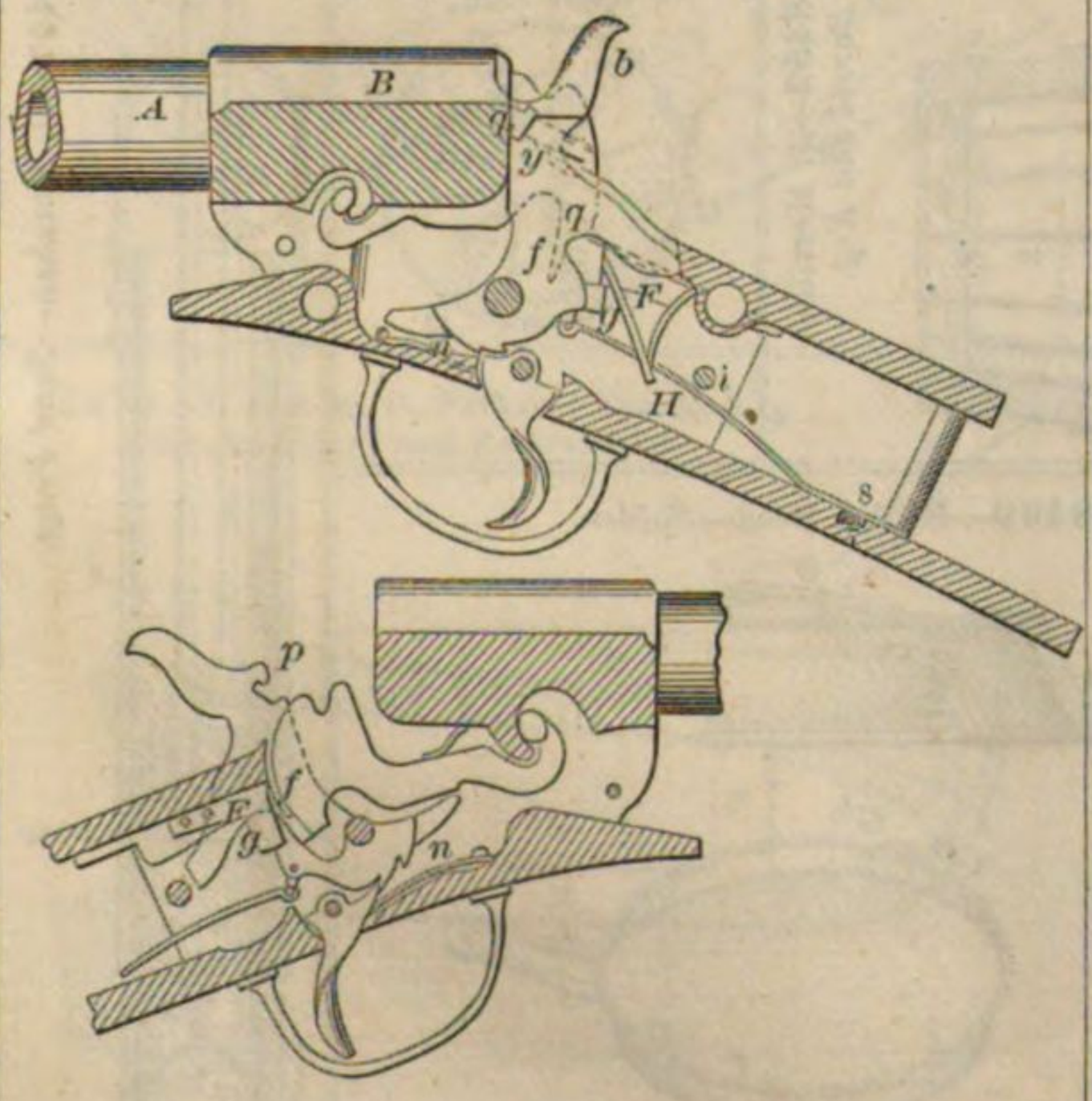
58445—J. McMurtry—*Cotton Bale Tie.*



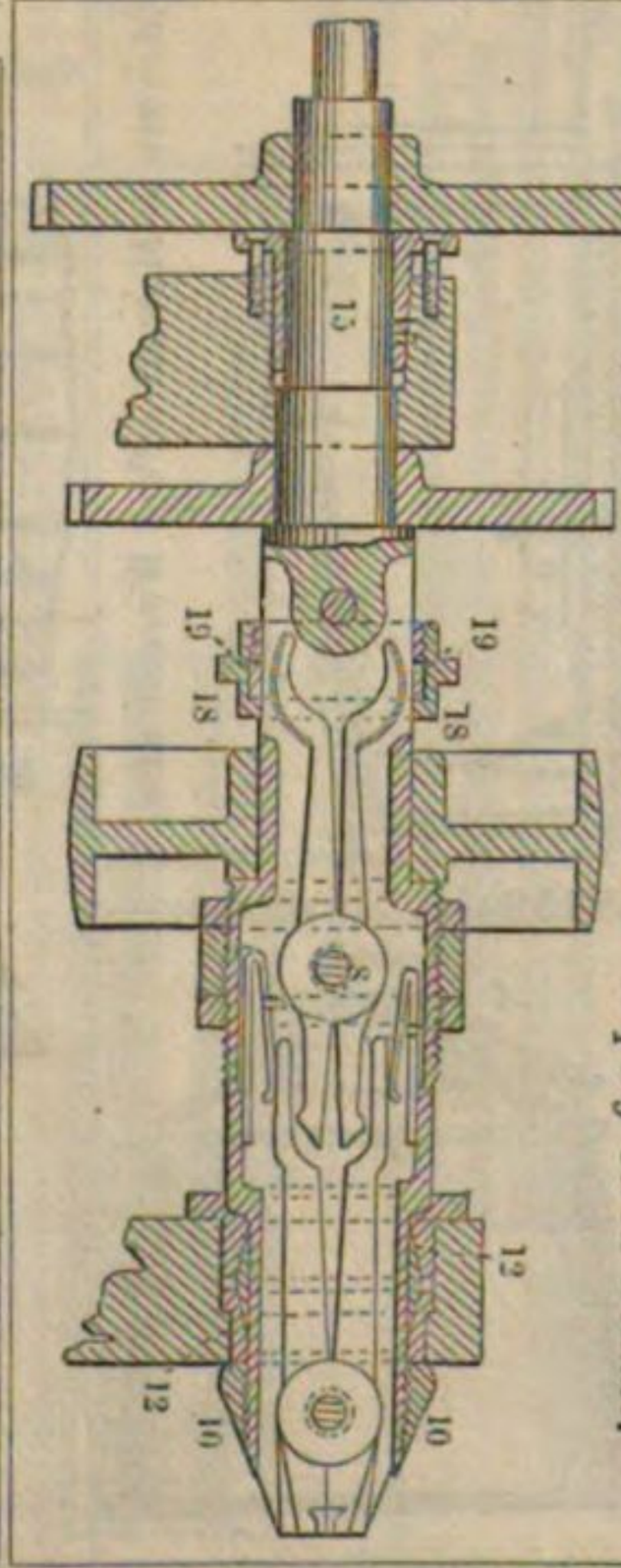
58442—Maltby & Brown—*Stove Cover Lifter, &c.*



58444—R. McChesney—*Breech-Loading Fire Arm.*

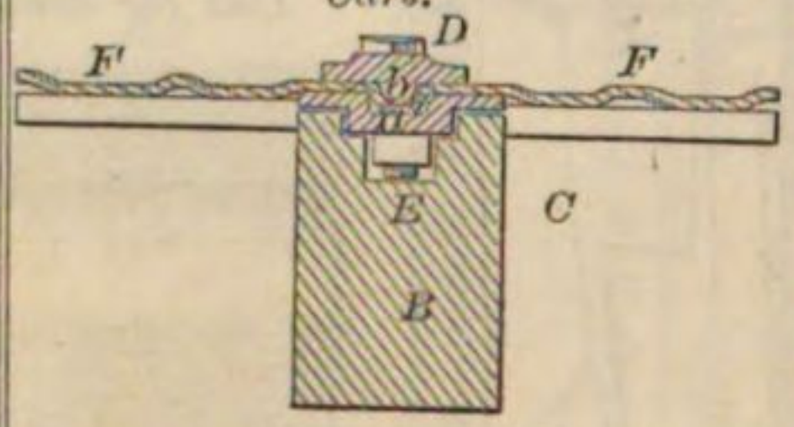


58446—D. F. McMellen—*For Griping Screw Blanks.*

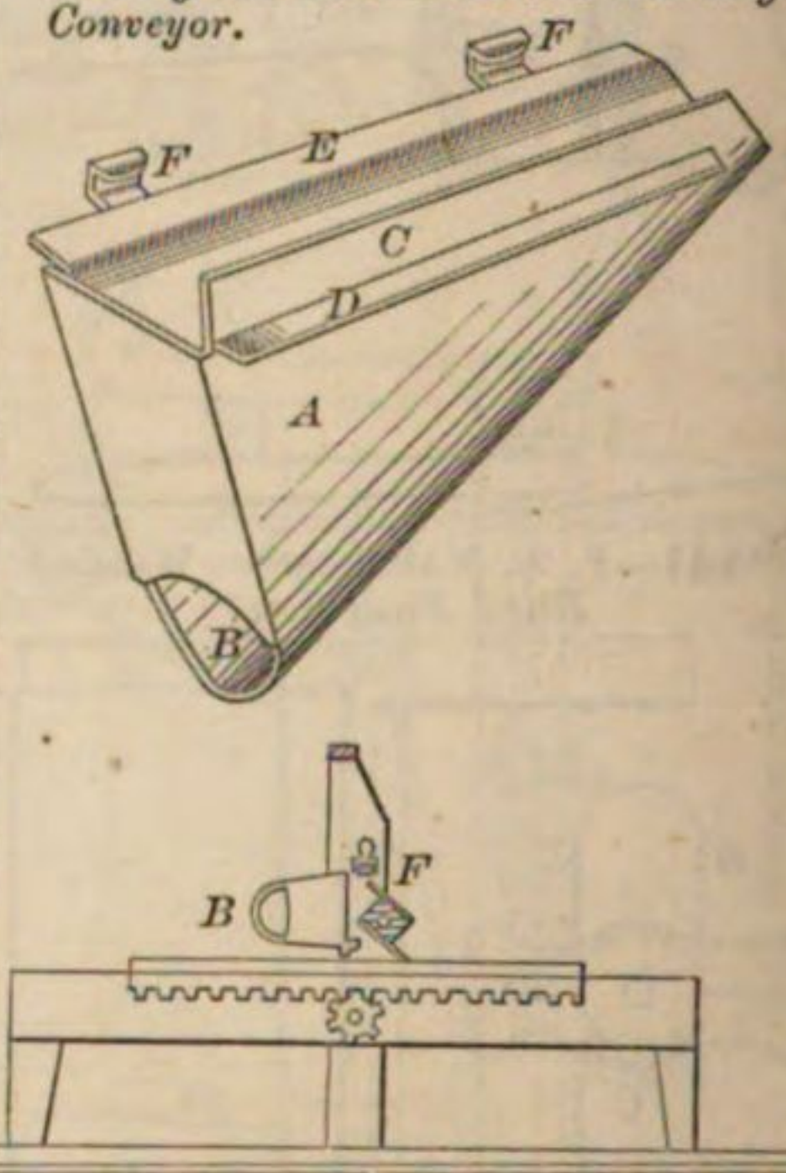


58447—E. Mellon—*Attaching Tires to Locomotive Wheels.*

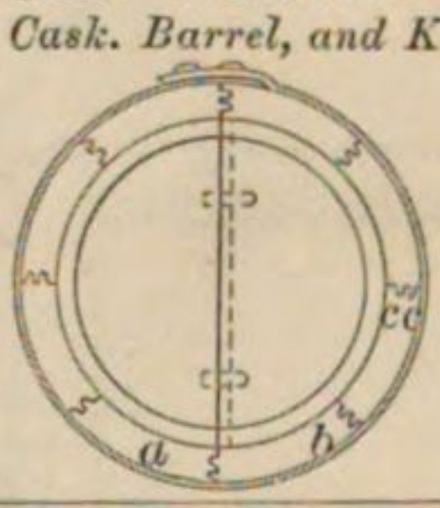
58448—S. Merrick—*Iron Railroad Cars.*

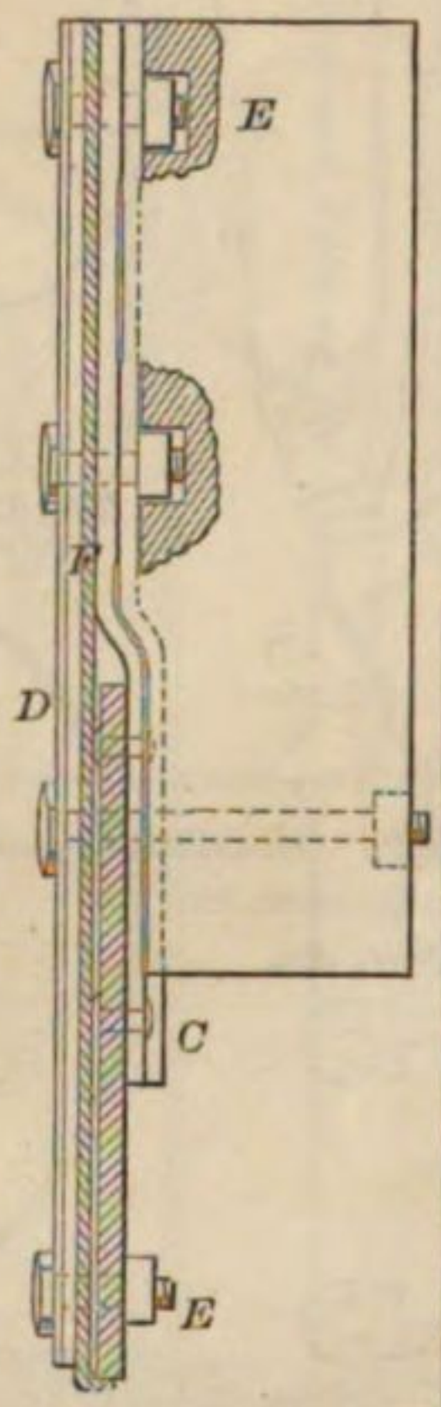


58456—D. R. Miller—*Planing and Sawing Machine Dust and Shaving Conveyor.*

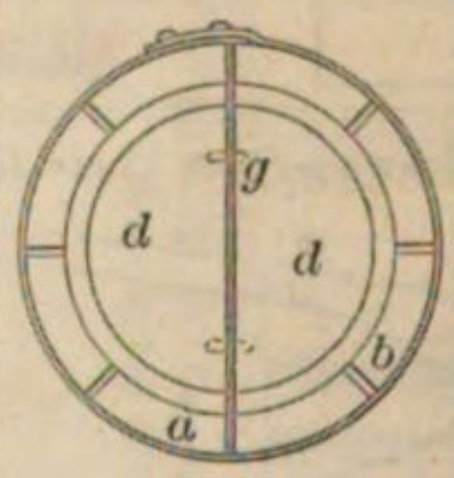


58451—J. Merrill—*Cask. Barrel, and Keg.*

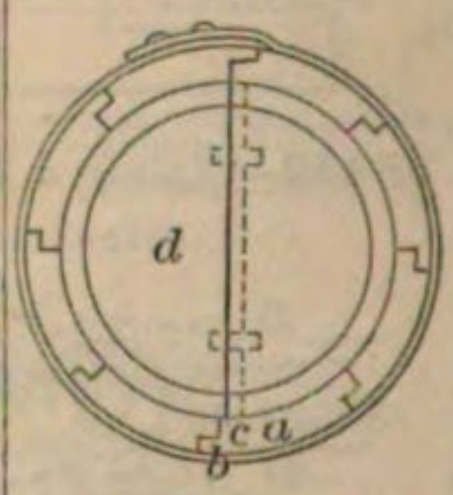




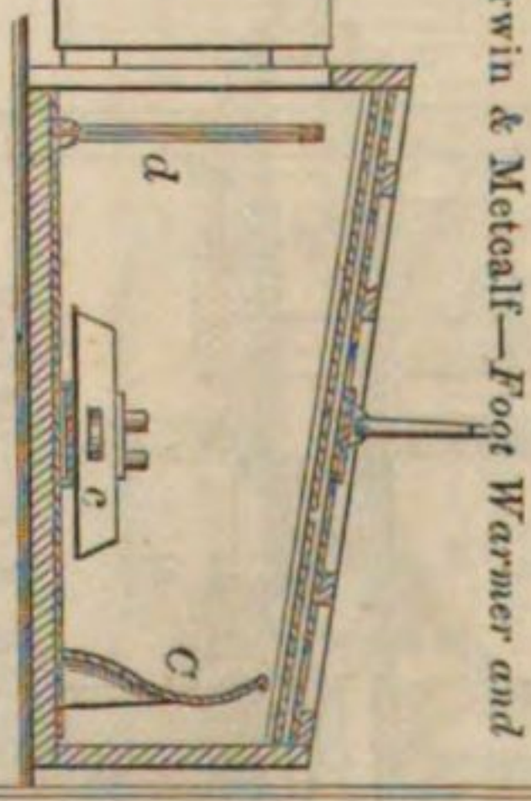
58449—J. Merrill—*Cask Barrel &c.*



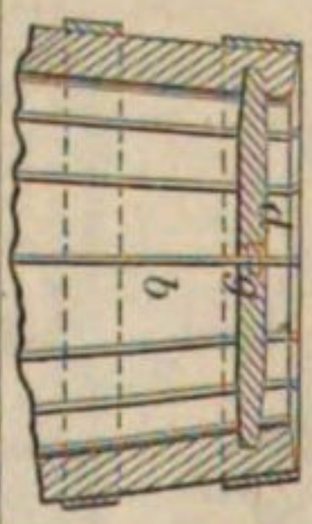
58450—J. Merrill—*Cask, Barrel, &c.*



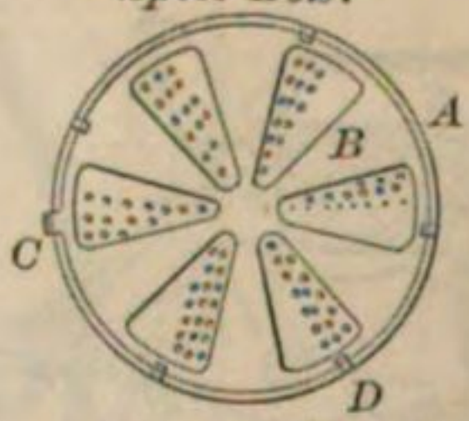
58453—Merwin & Metcalf—*Foot Warmer and Lamp.*



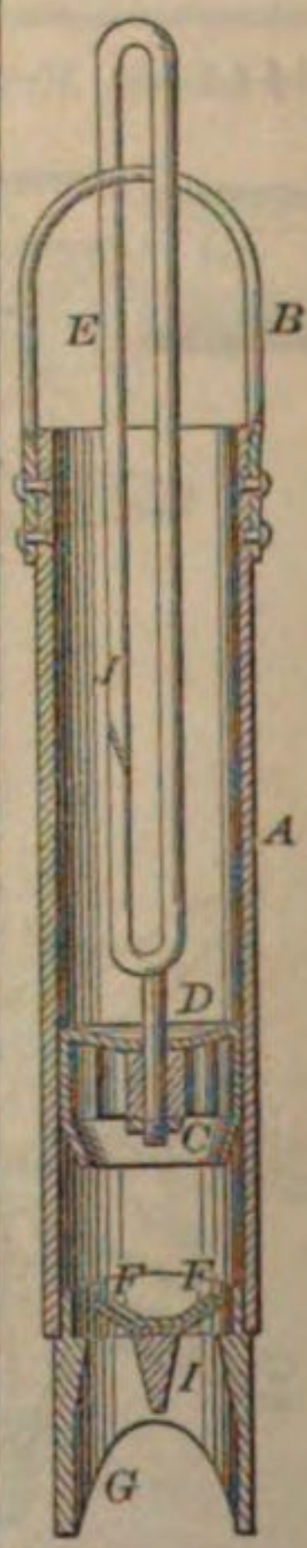
58452—J. Merrill—*Barrel and Keg.*



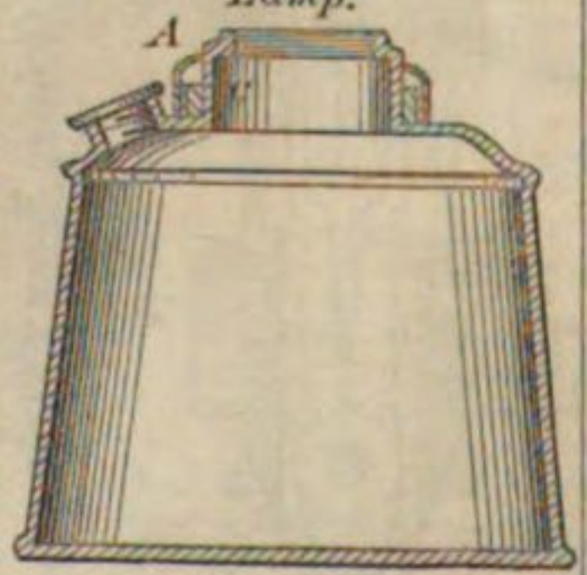
58455—W. A. Miles—*Spice Box.*



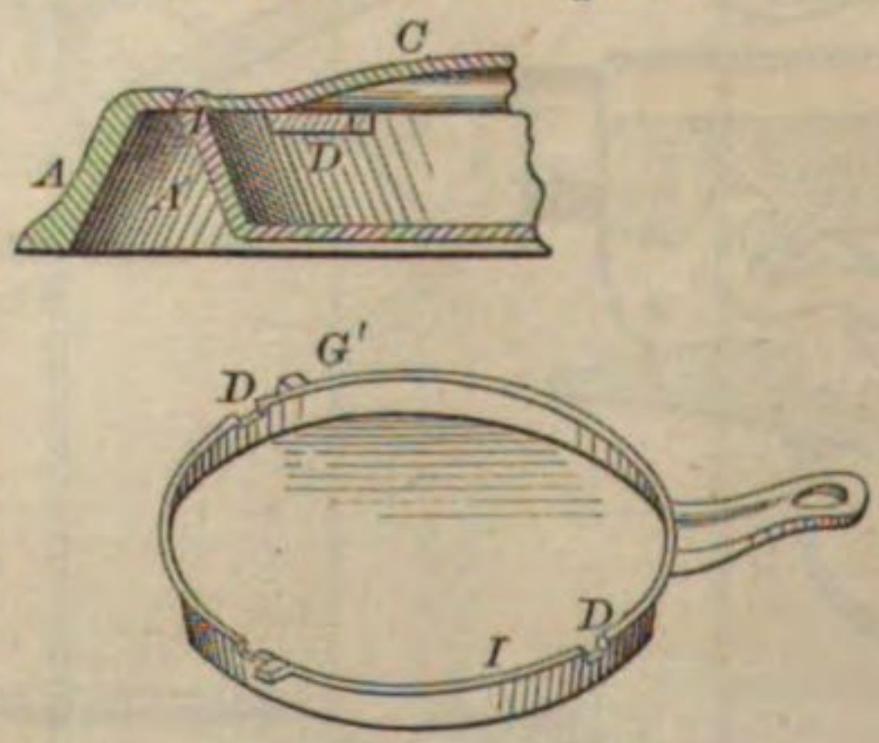
58457—B. Morahan—*Sand Pump.*



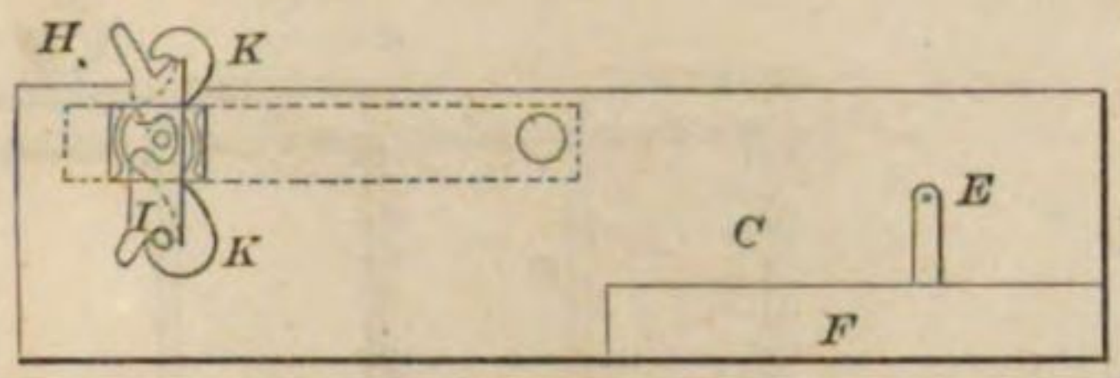
58459—C. Mulchahey—*Lamp.*



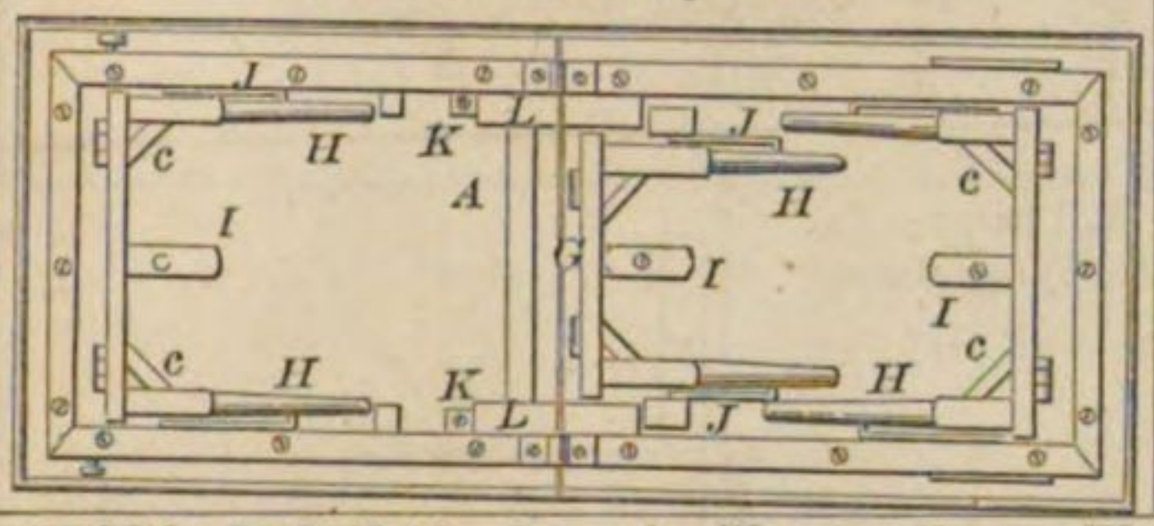
58460—Mull & Reed—*Spider.*



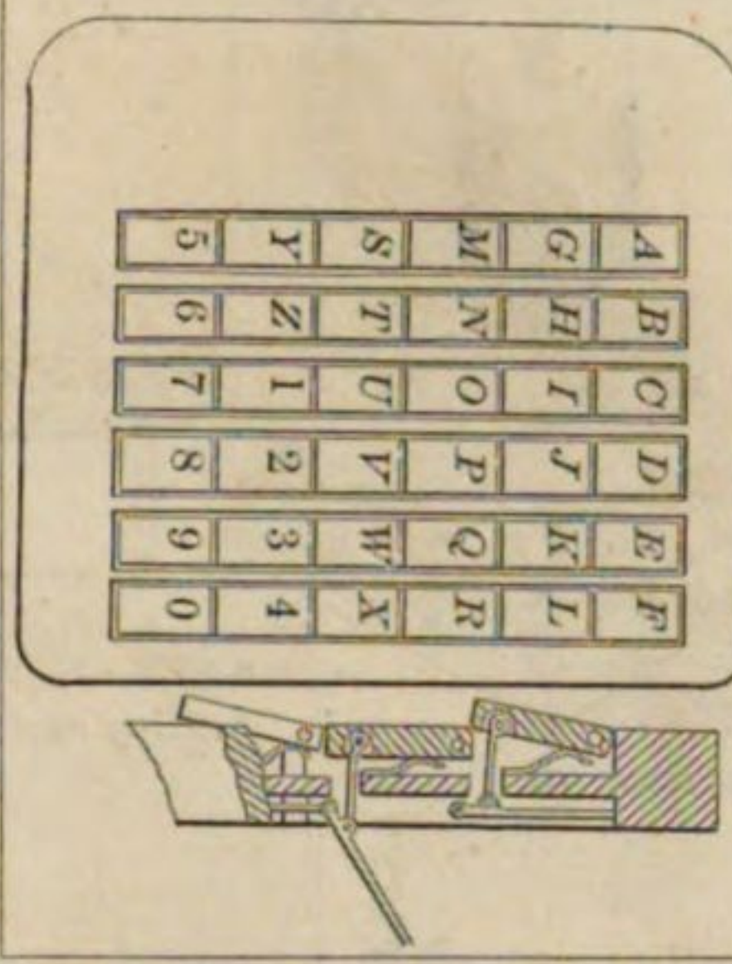
58461—H. Munroe—*Window Blind Fastening.*



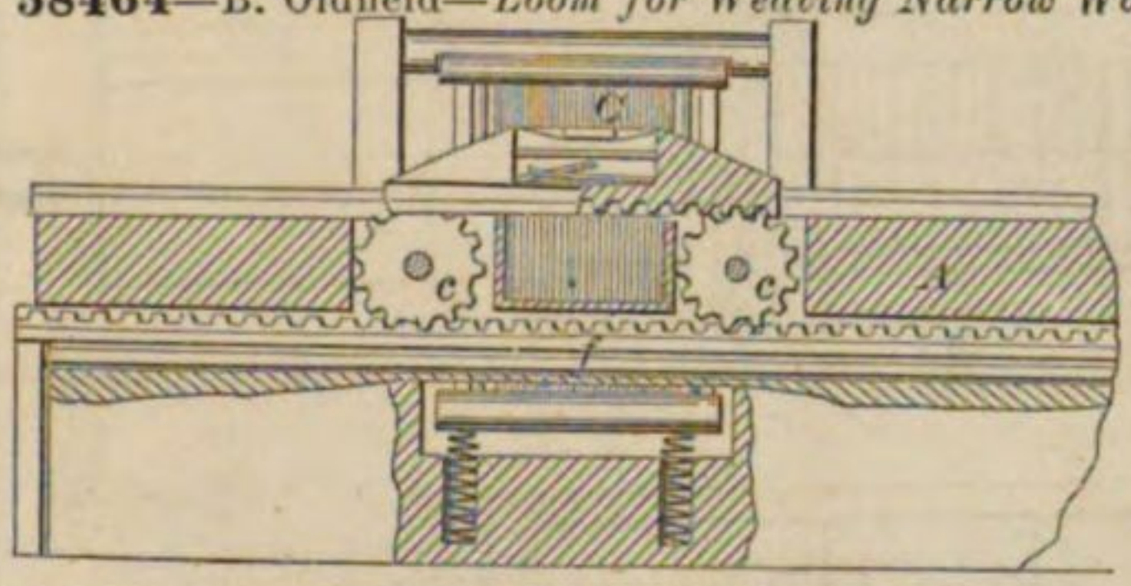
58462—G. W. Nellis—*Folding Table.*



58463—E. B. Nourse—*Alphabet Frame.*

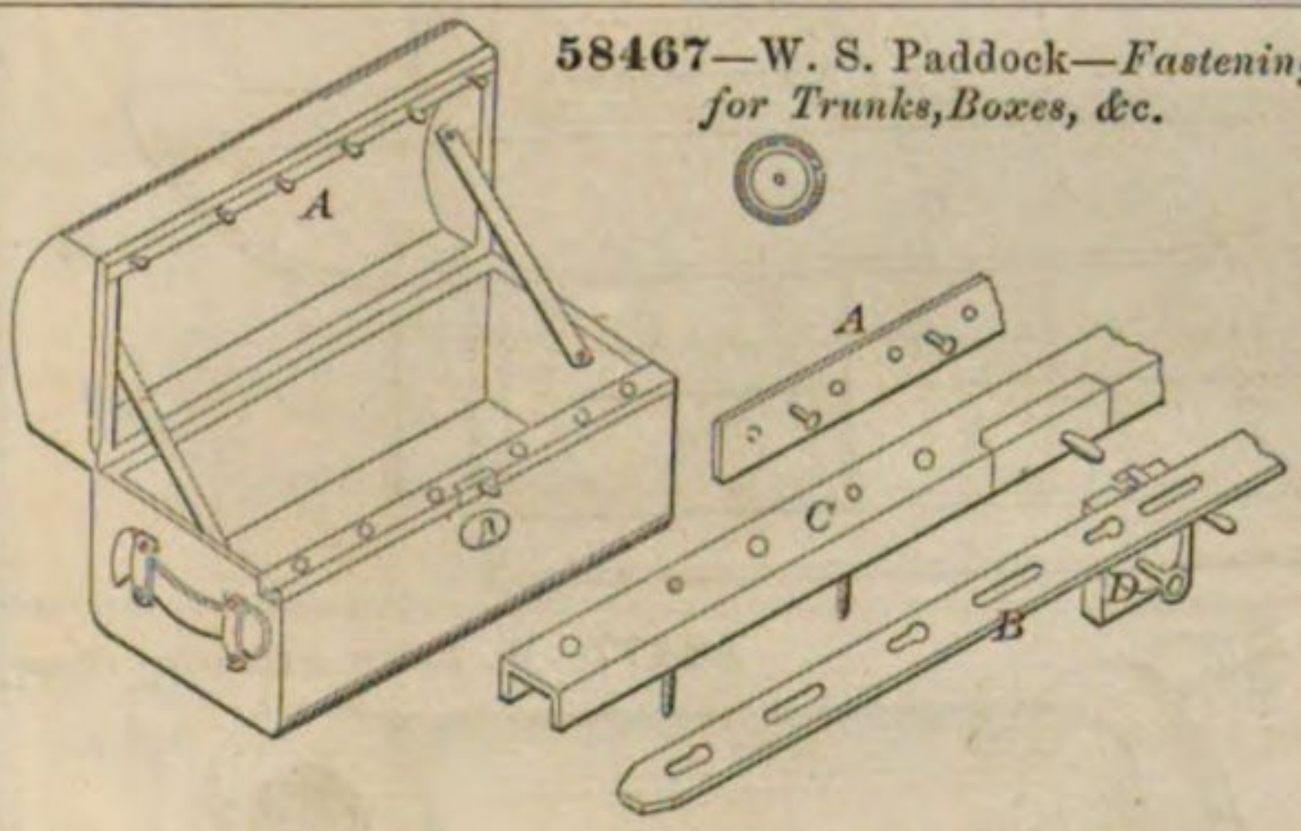


58464—B. Oldfield—*Loom for Weaving Narrow Wares.*



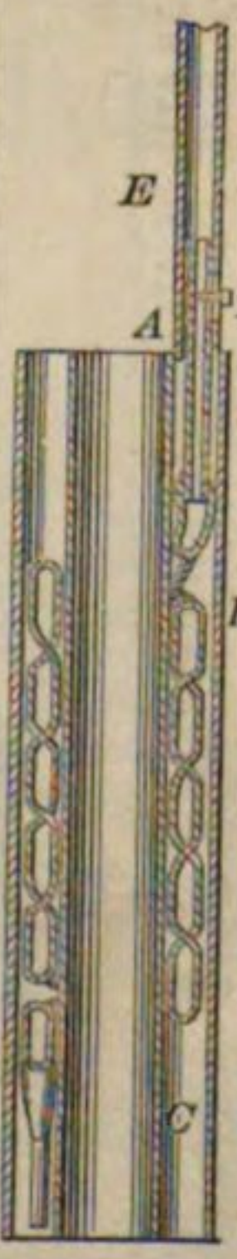
58465—J. H. J. O'Neill—*Carriage Shackle.*

58467—W. S. Paddock—*Fastening for Trunks, Boxes, &c.*

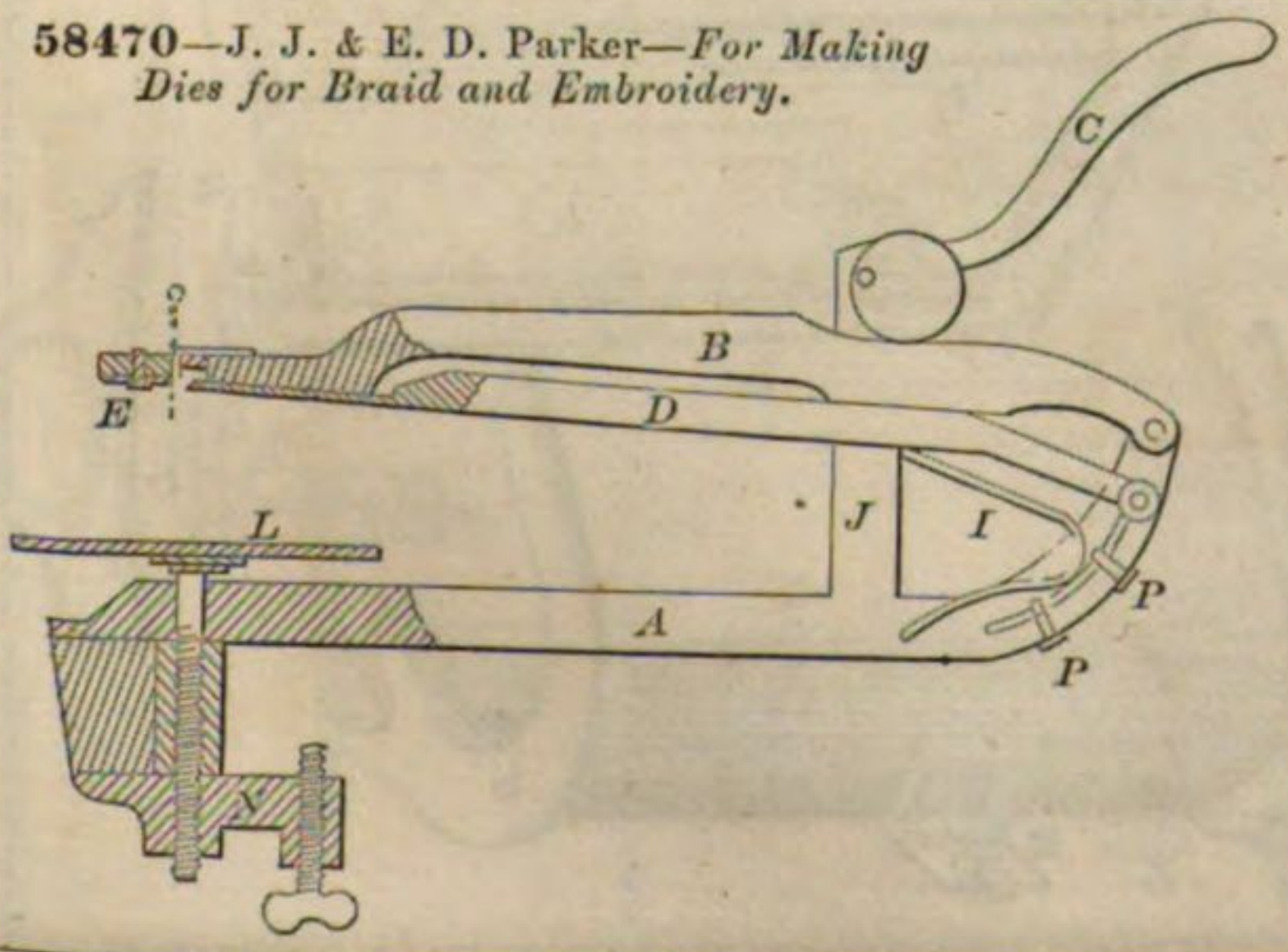


58468—J. J Parker—*Deep Well Tube Packing. E*

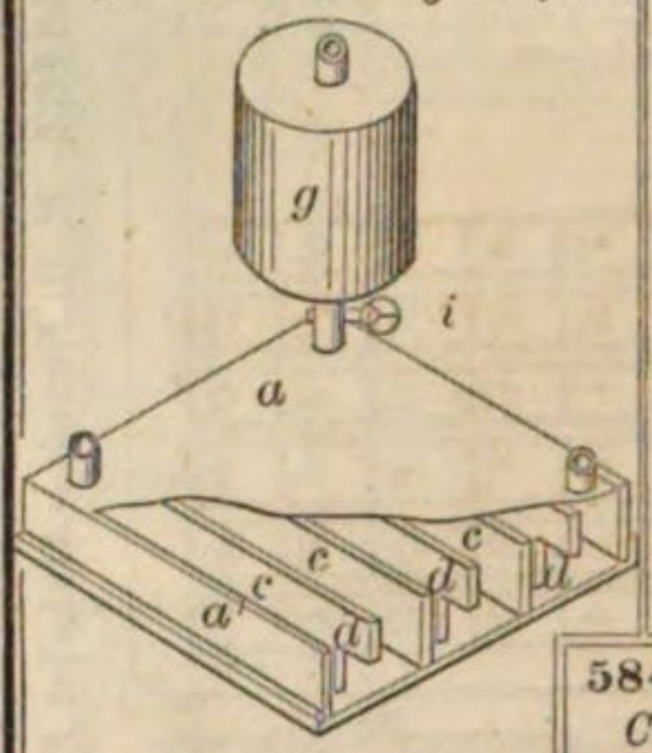
58469—J. J. Parker—*Well Packing.*



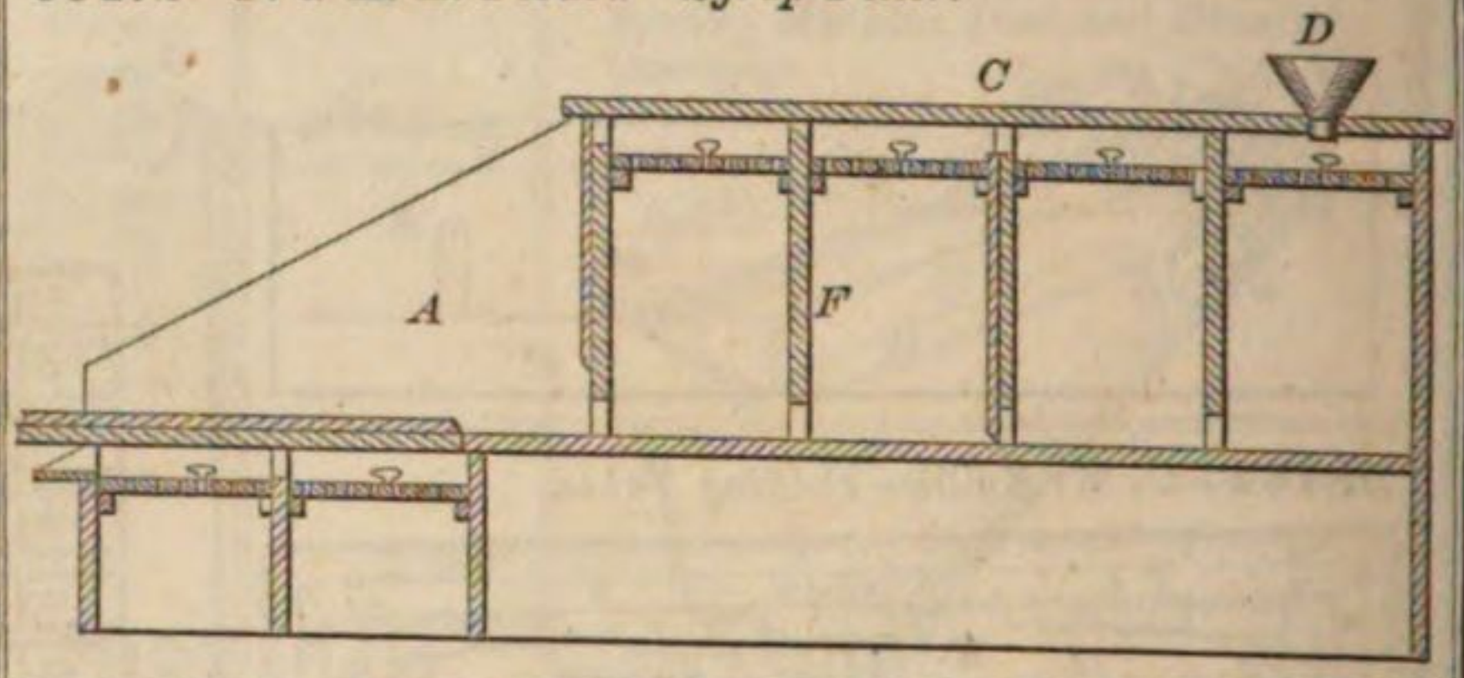
58470—J. J. & E. D. Parker—*For Making Dies for Braid and Embroidery.*



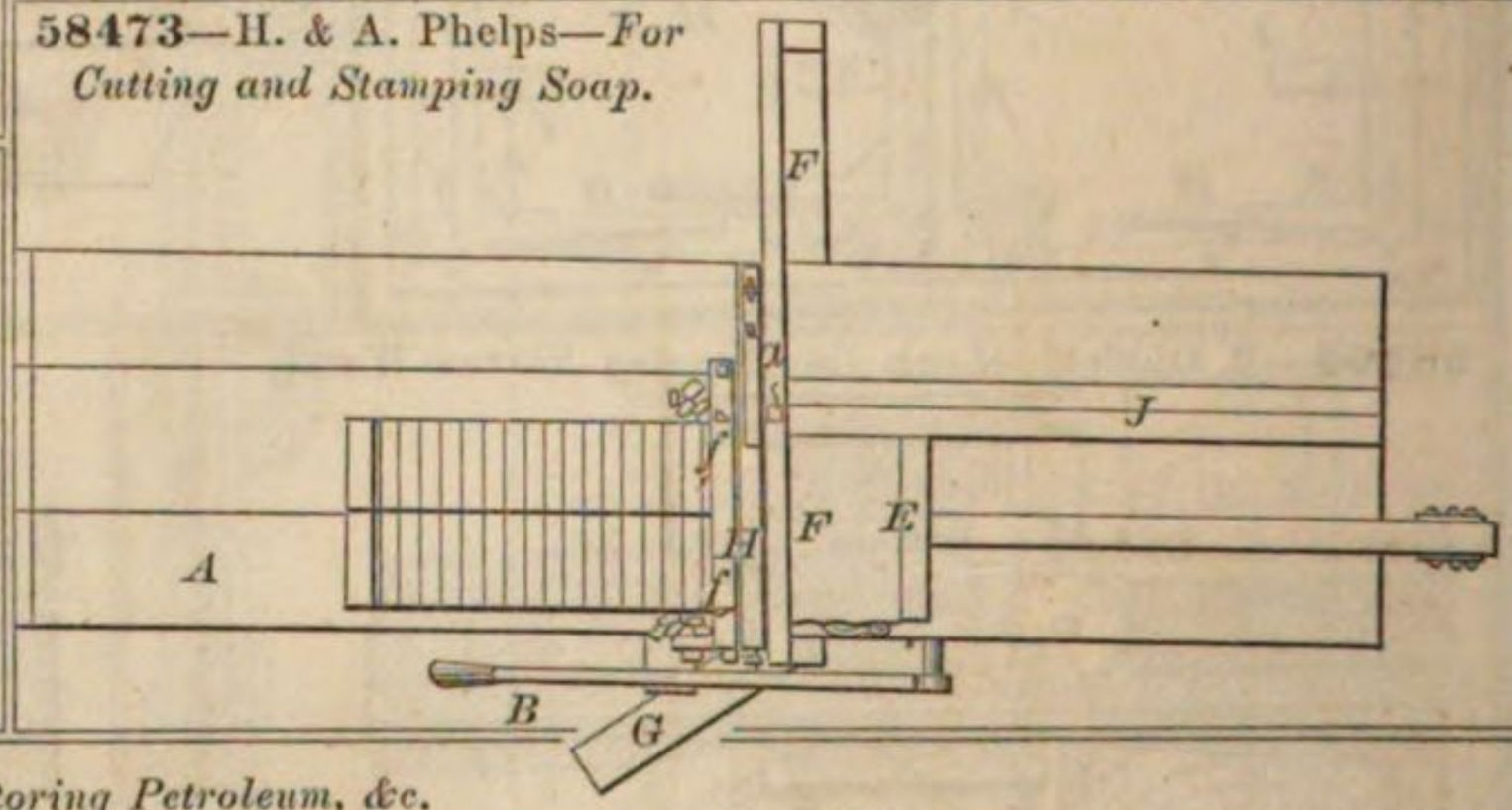
58471—A. Patterson—*For Carburetting Air, &c.*



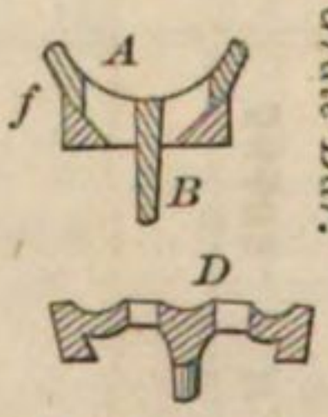
58472—P. & H. A. Perdew—*Syrup Filter.*



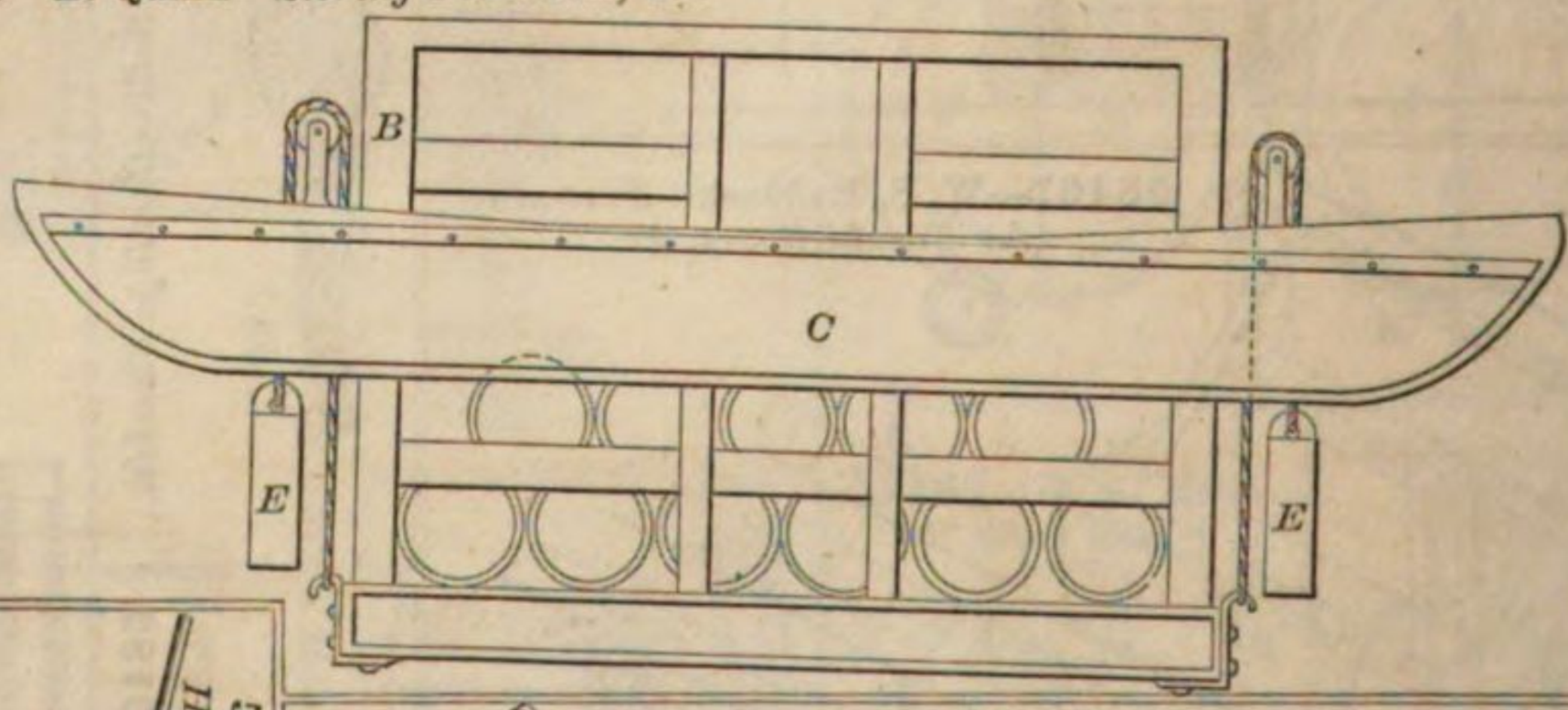
58473—H. & A. Phelps—*For Cutting and Stamping Soap.*



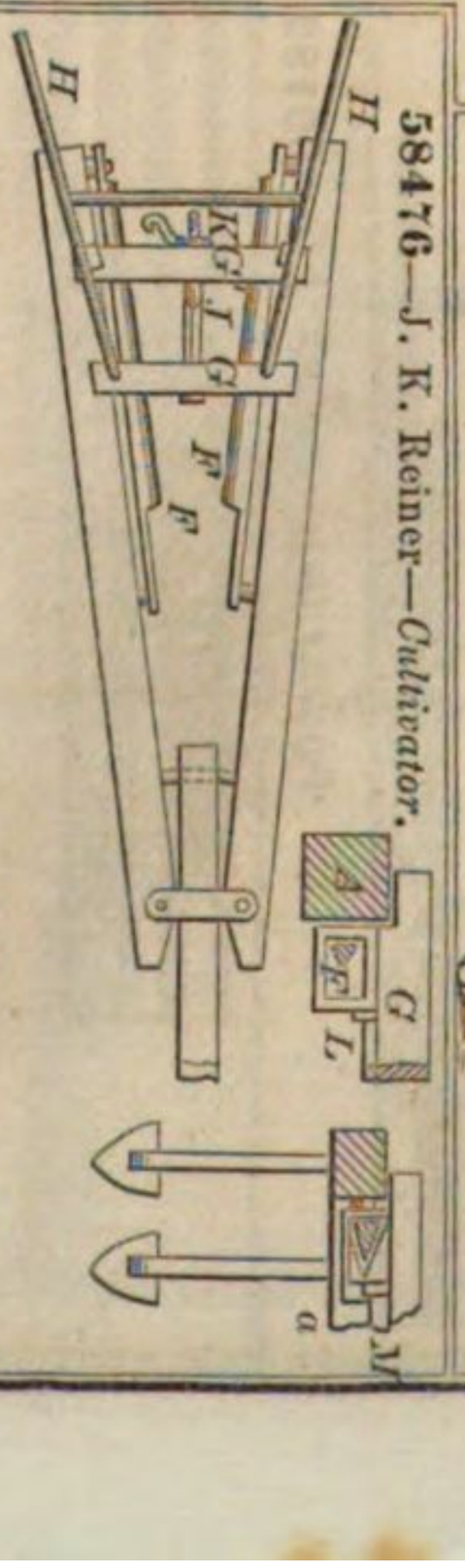
58474—C. W. Pierce—*Grate Bar.*



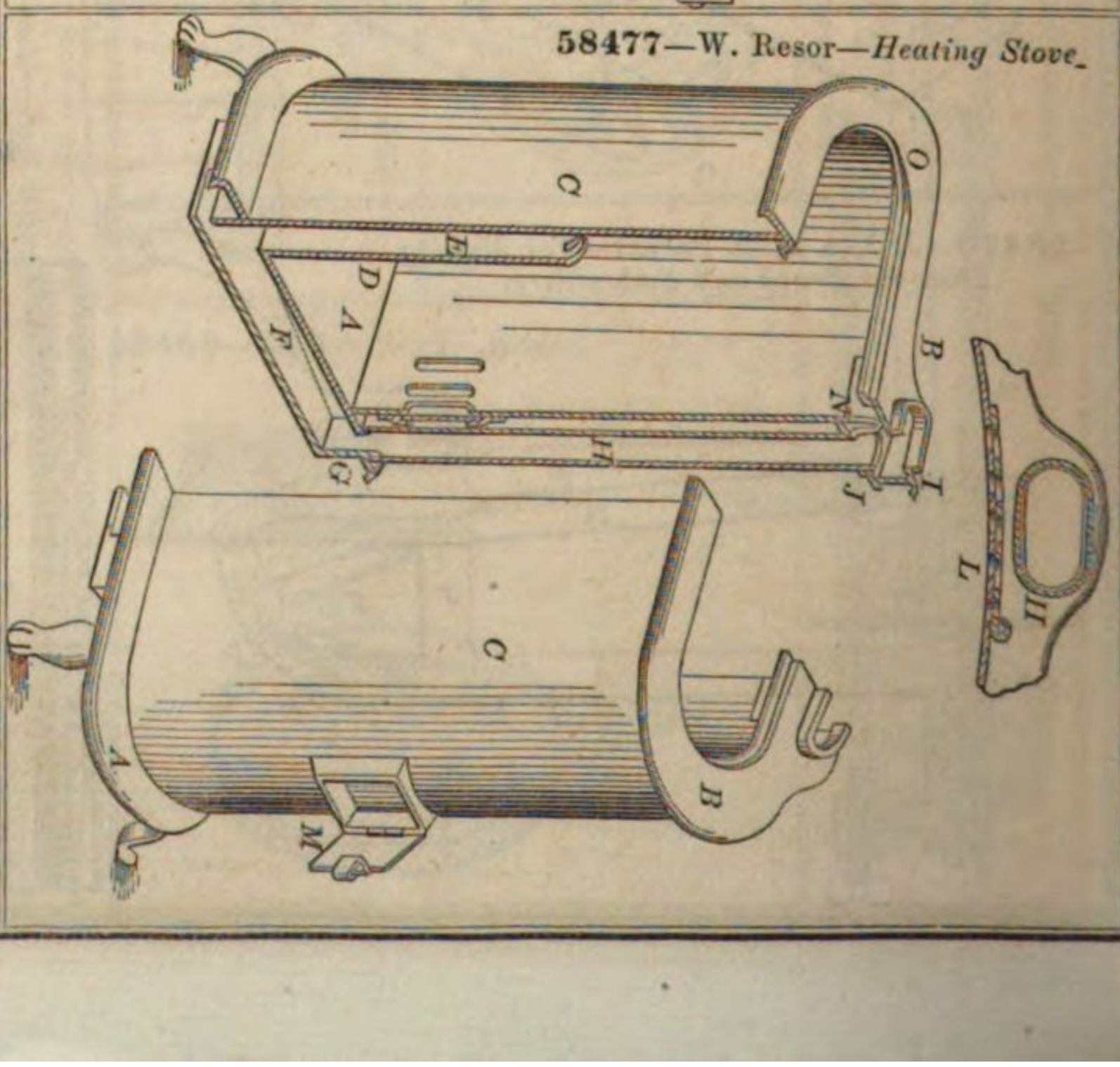
58475—E. Quinn—*Storing Petroleum, &c.*



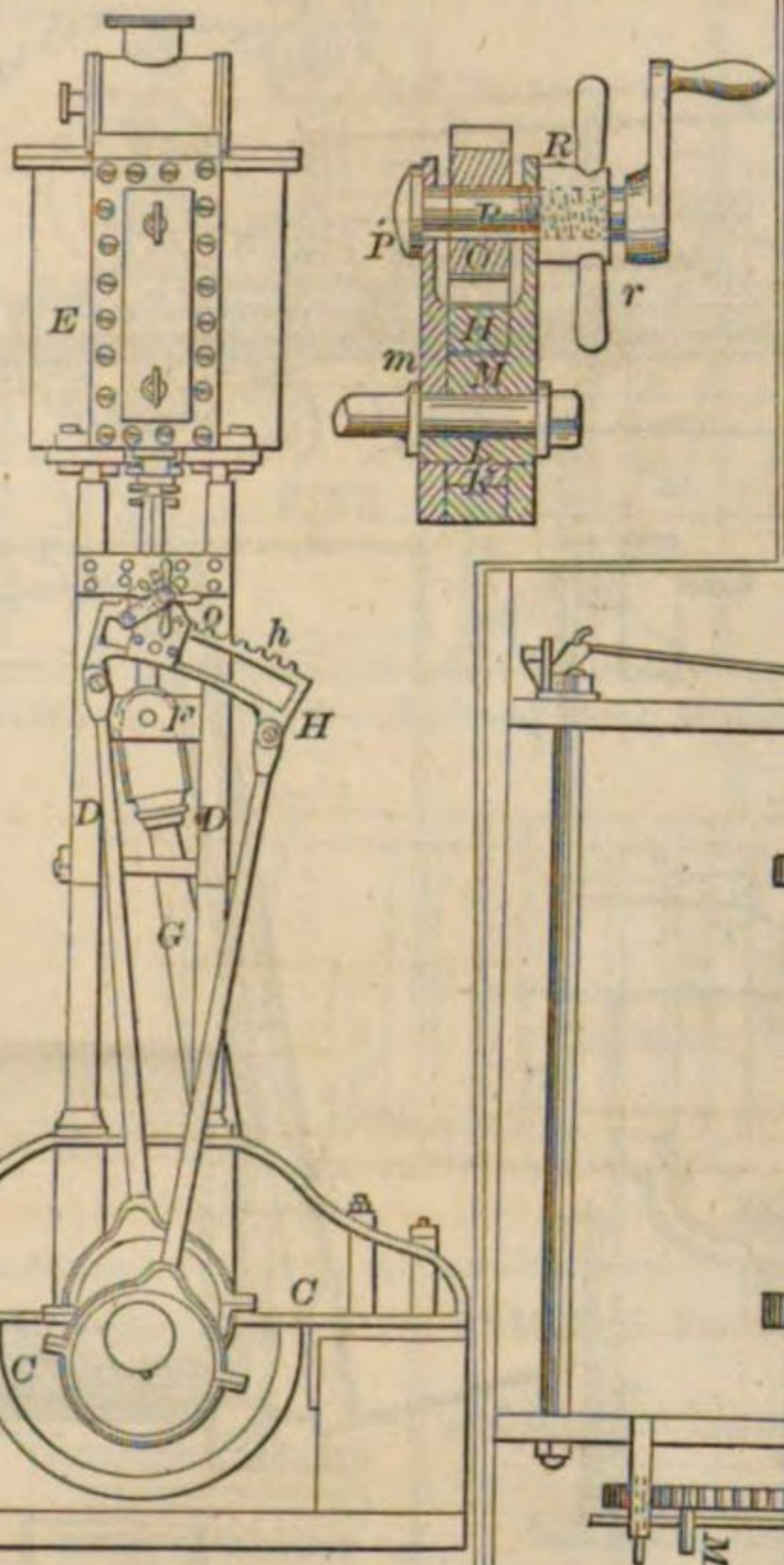
58476—J. K. Reiner—*Cultivator.*



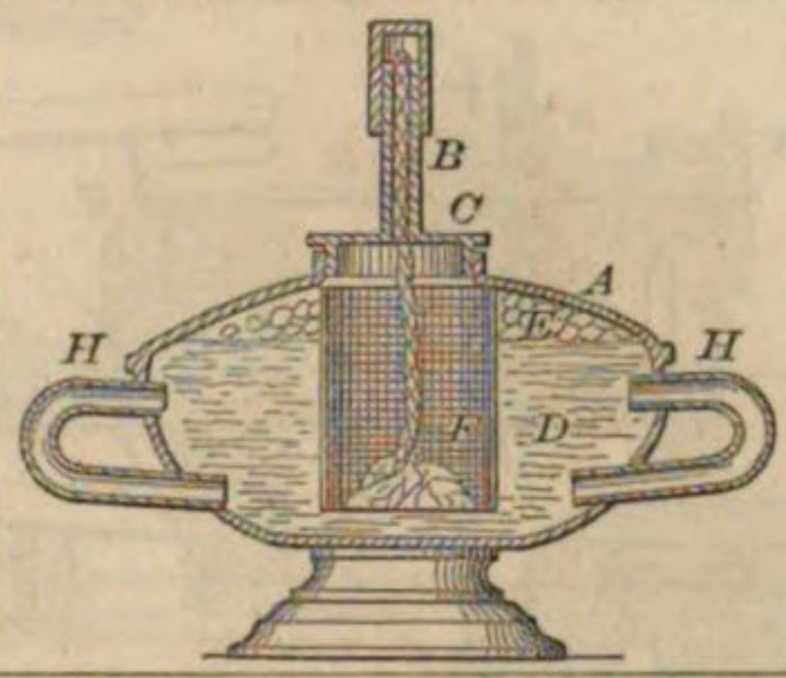
58477—W. Resor—*Heating Stove.*



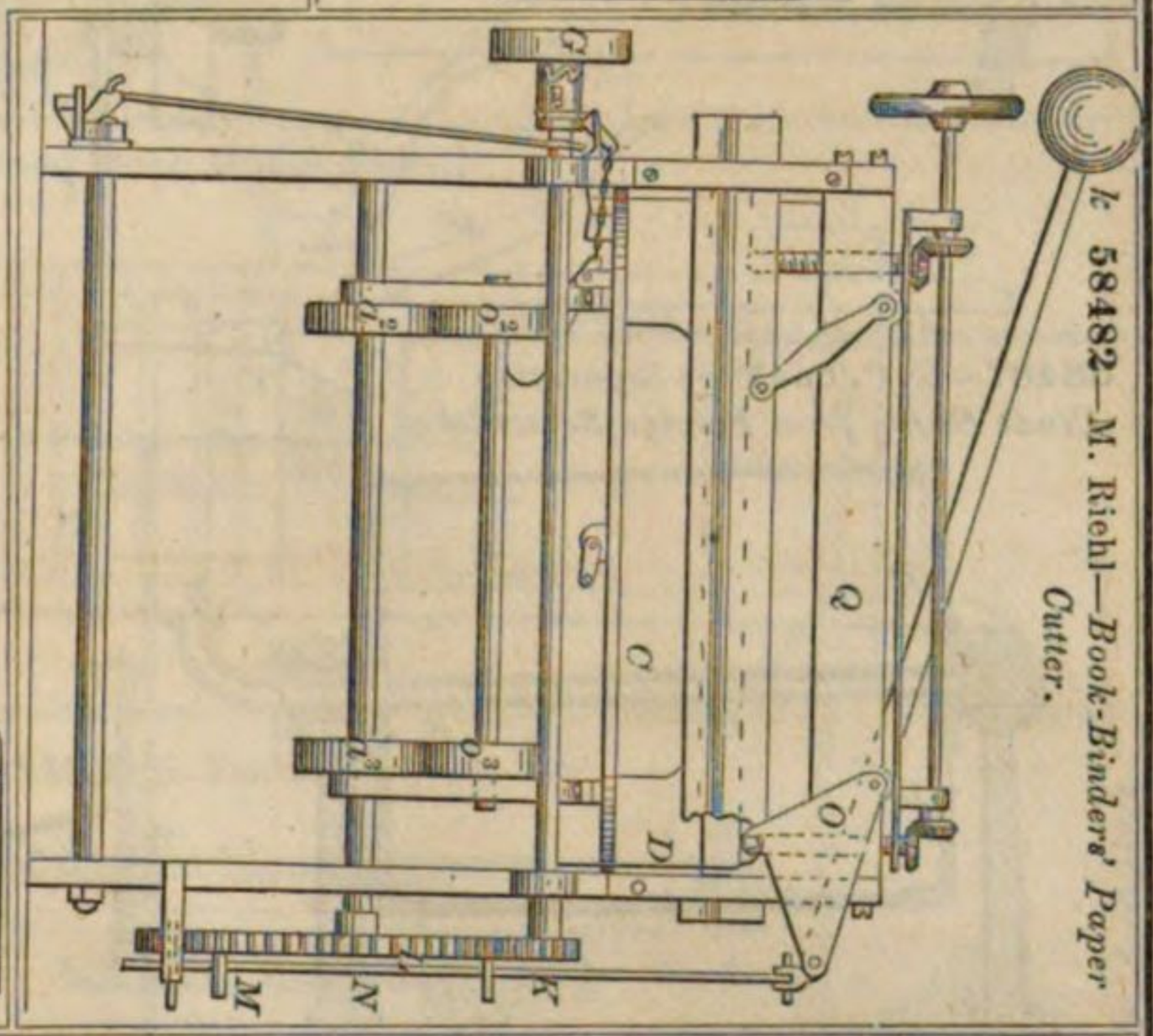
58478—G. H. Reynolds—*Steam Engine.*



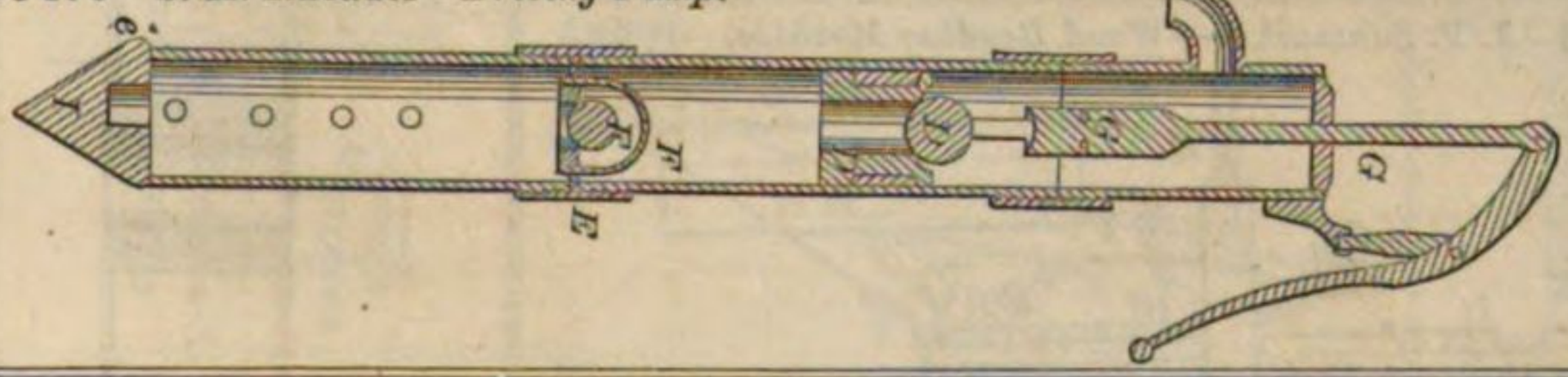
58481—K. Riedel—*Lamp.*



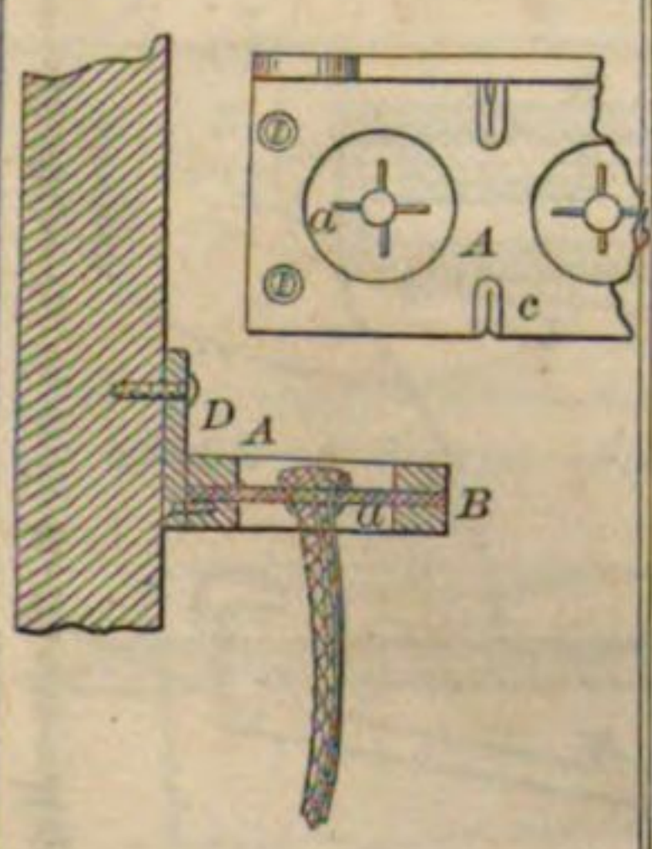
58482—M. Riehl—*Book-Binders' Paper Cutter.*



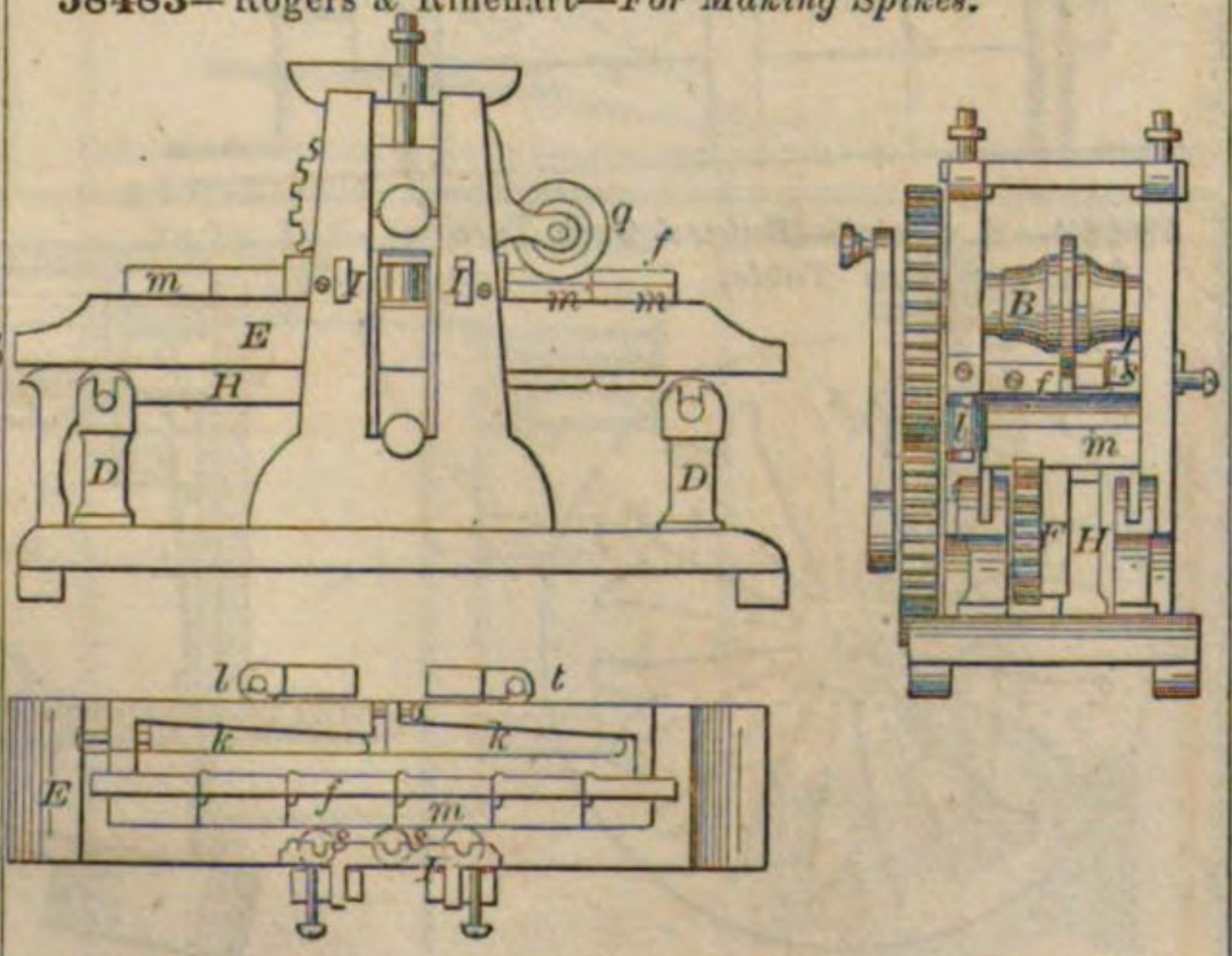
58479—S. H. Rhoades—*Driving Pump.*



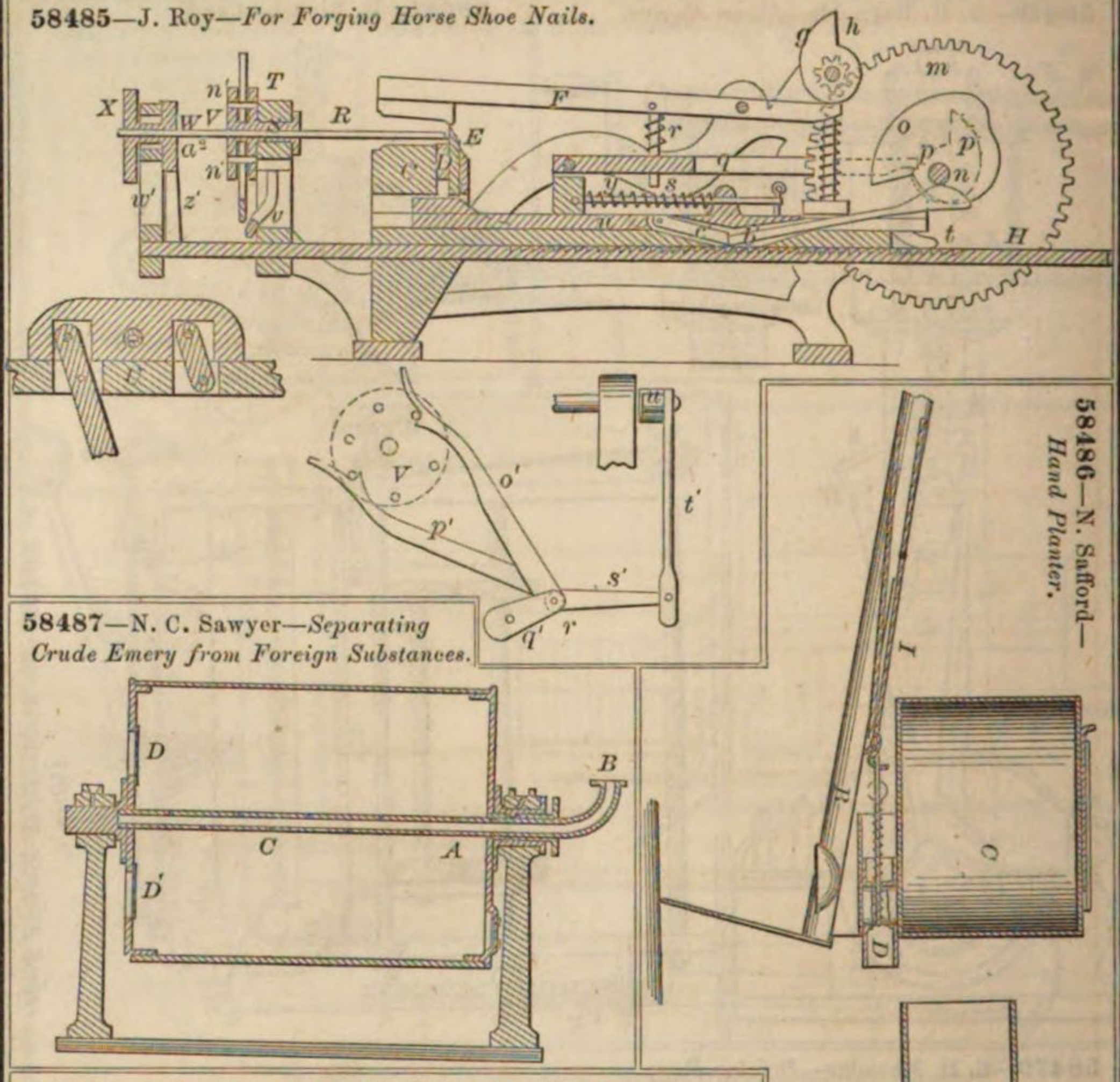
58480—E. Richmond—*Whip Rack.*



58483—Rogers & Rinehart—*For Making Spikes.*



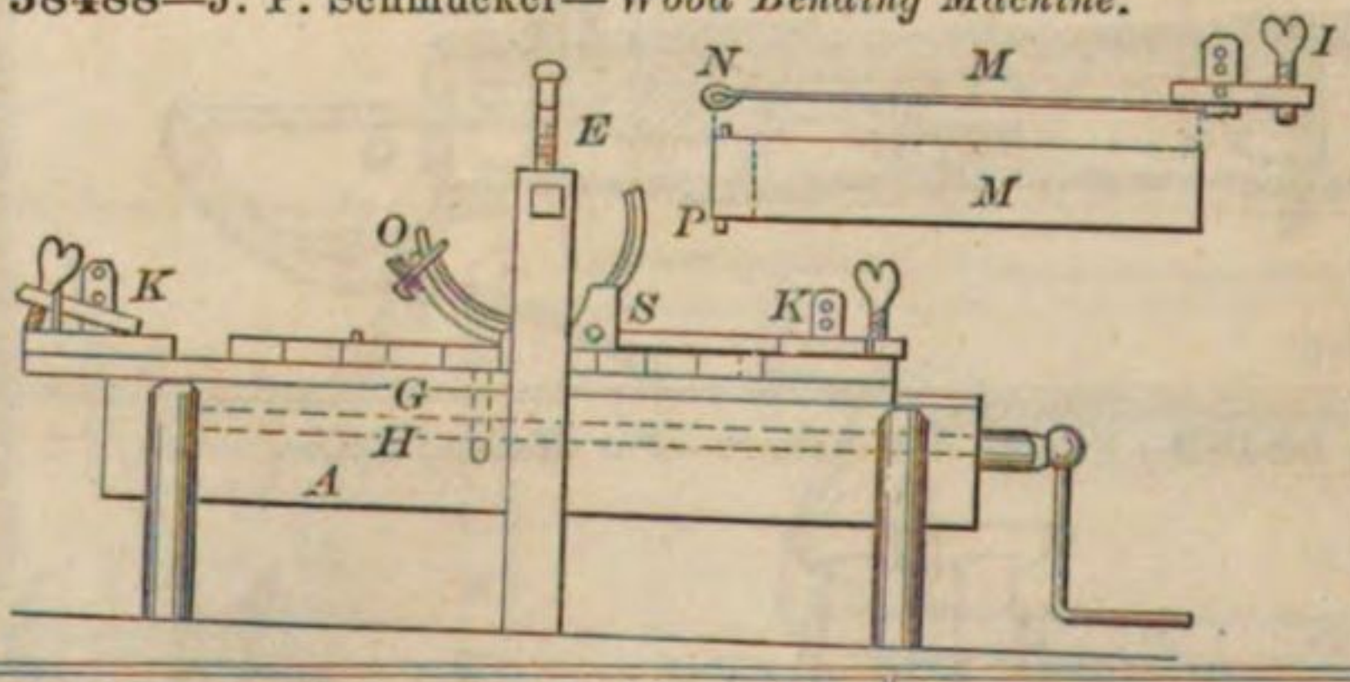
58485—J. Roy—*For Forging Horse Shoe Nails.*



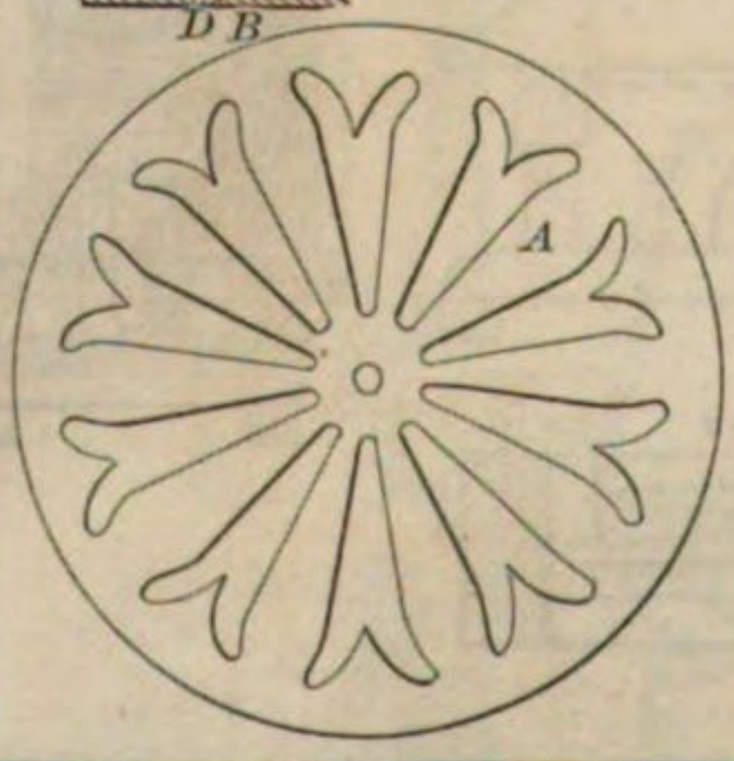
58486—N. Safford—*Hand Planter.*

58487—N. C. Sawyer—*Separating Crude Emery from Foreign Substances.*

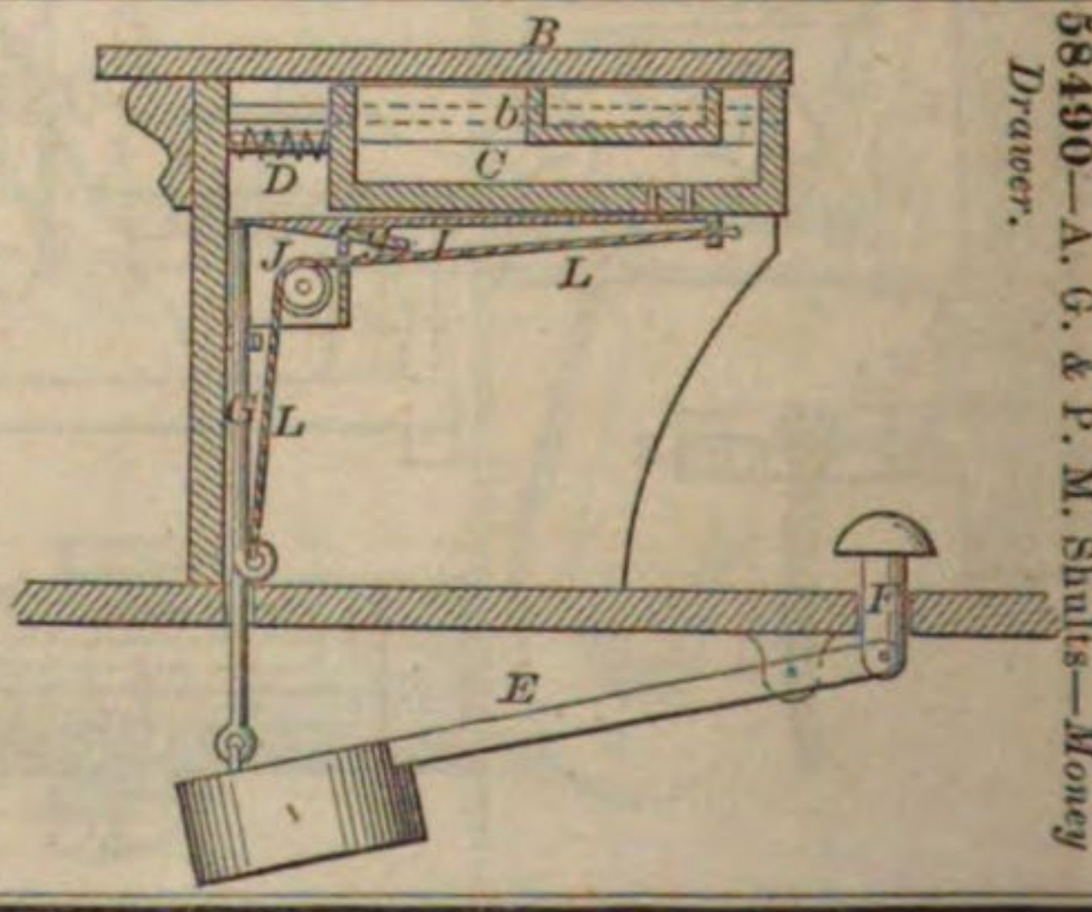
58488—J. P. Schmucker—*Wood Bending Machine.*



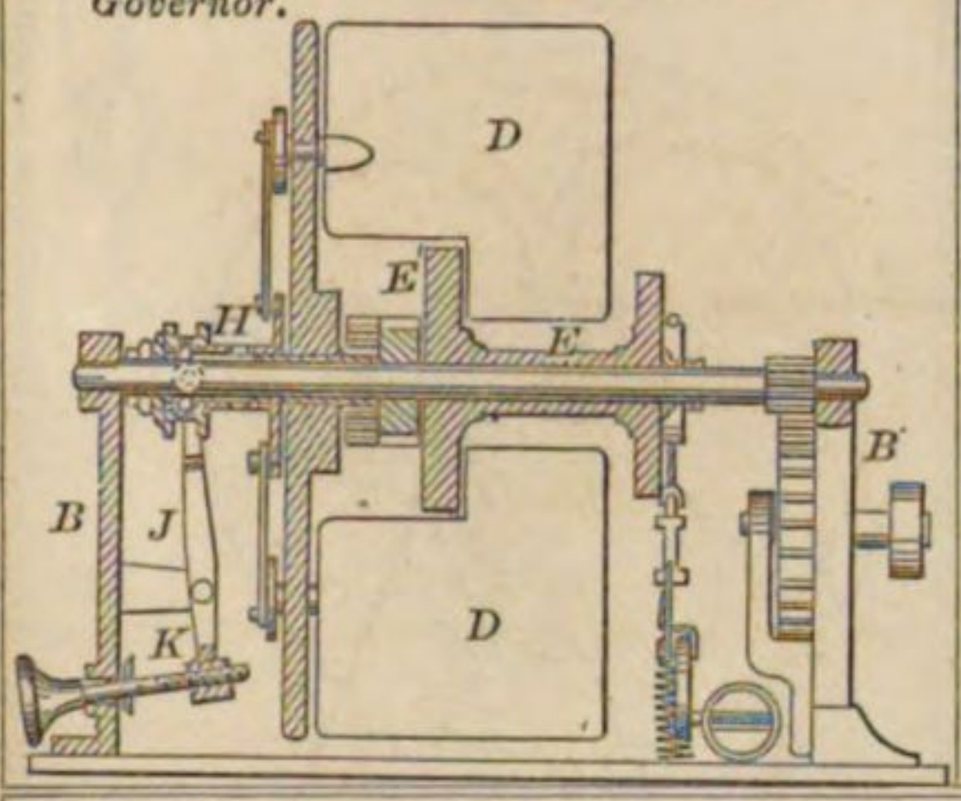
58489—R. Shaler—*Bakers' Oven Turn Table.*



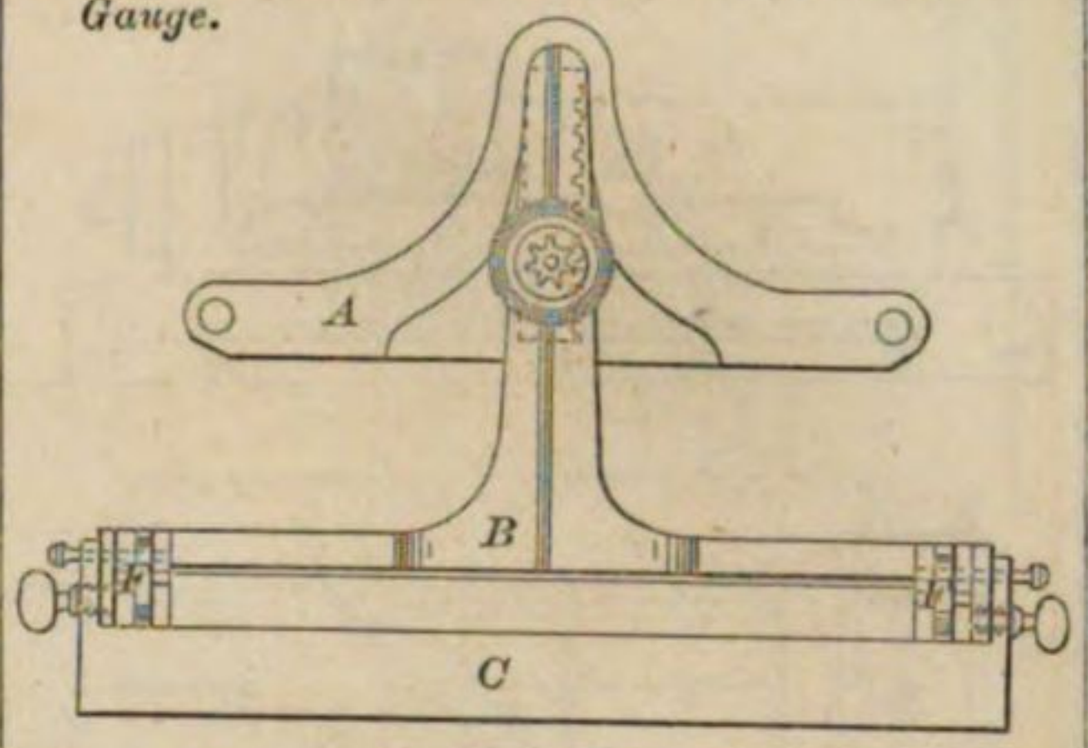
58490—A. G. & P. M. Shults—*Money Drawer.*



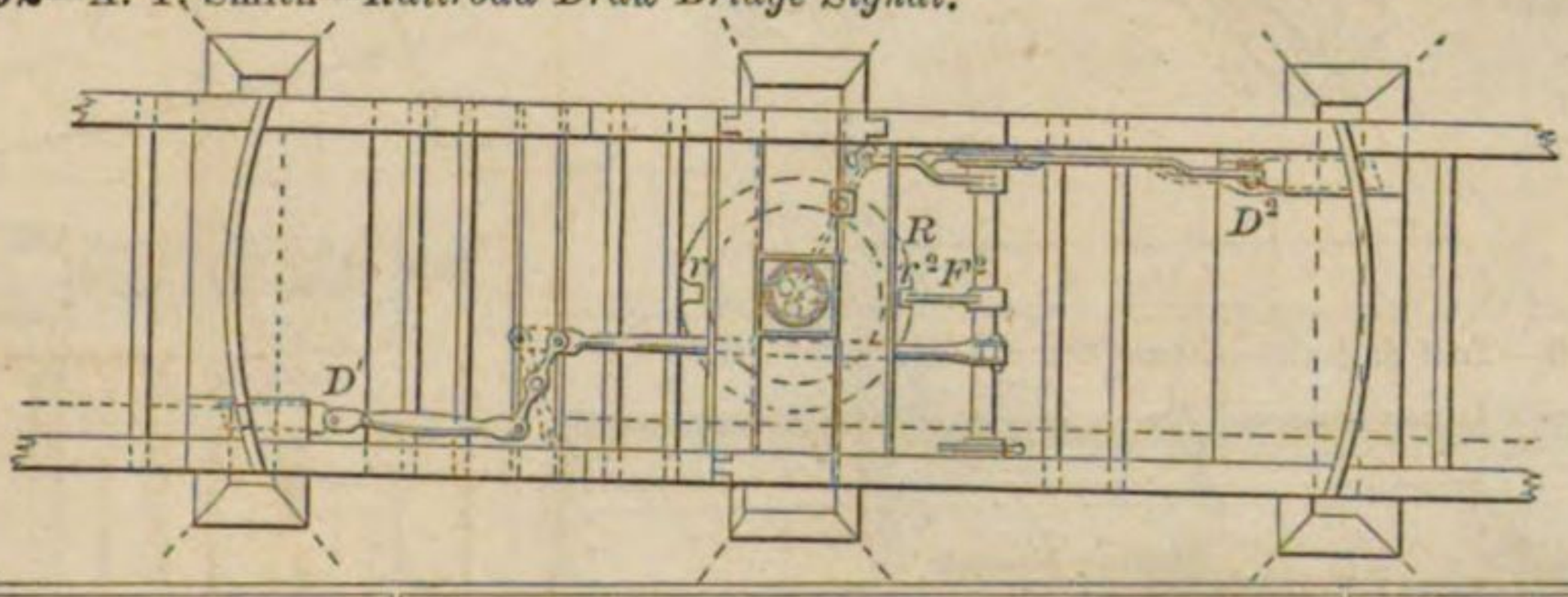
58491—T. Silver—*Steam Engine Governor.*



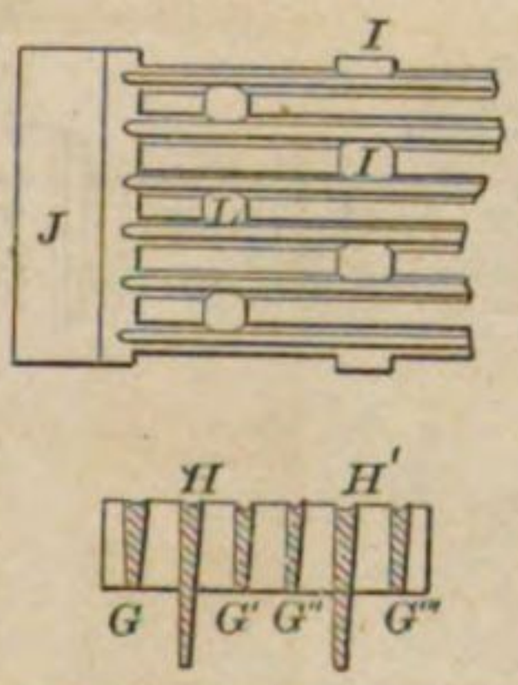
58498—Stanley & Goodrich—*Angular Saw Gauge.*



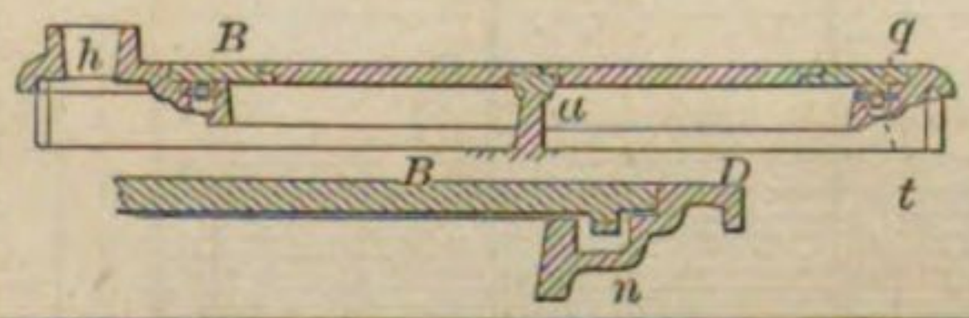
58492—A. T. Smith—*Railroad Draw Bridge Signal.*



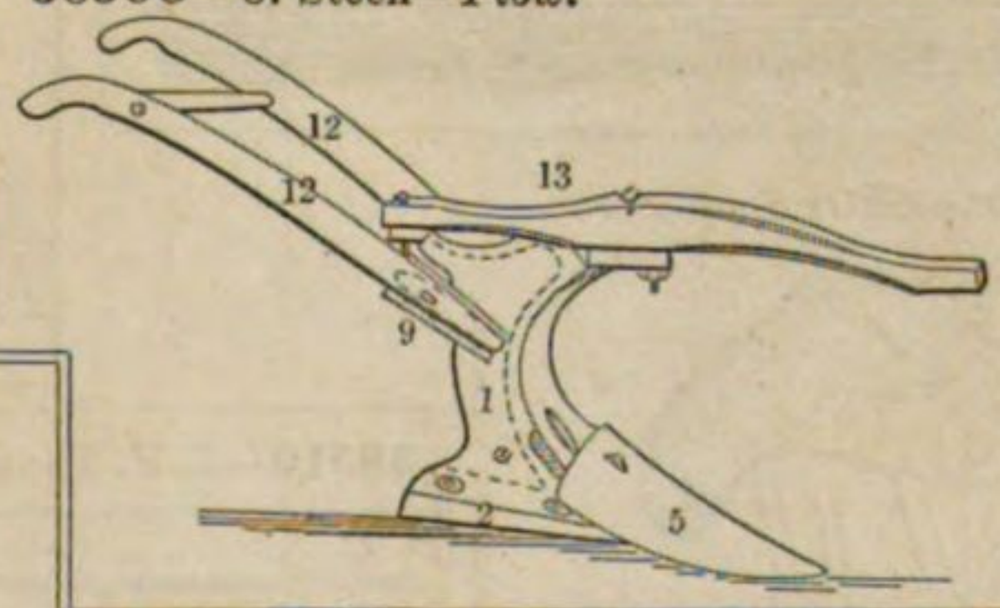
58494—S. Smith—*Grate Bar.*



58493—S. Smith—*Cooking Stove.*

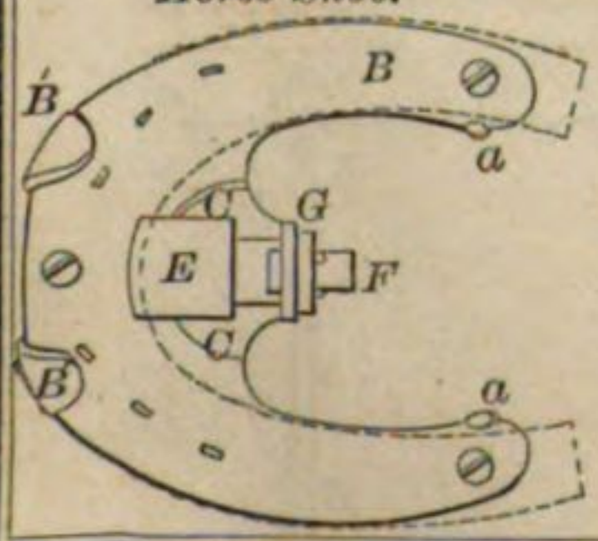


58500—C. Steen—*Plow.*

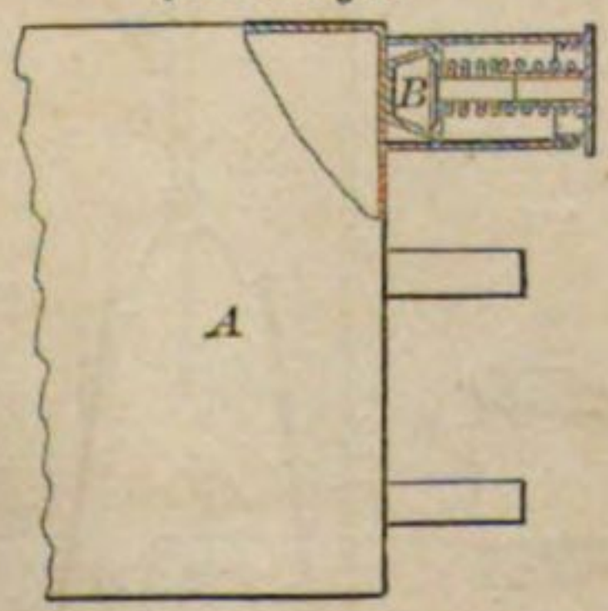


58501—F. Stefano—*Setting Stones in Jewelry.*

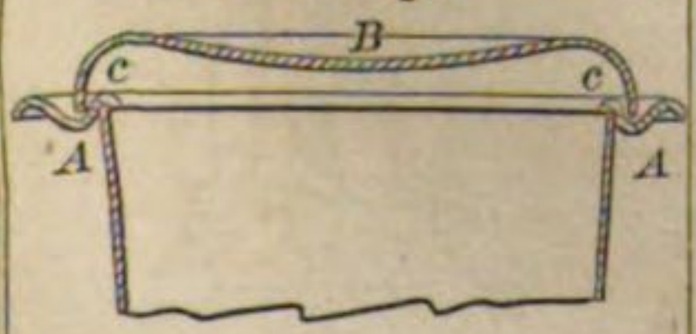
58495—E. Sneider—*Horse Shoe.*



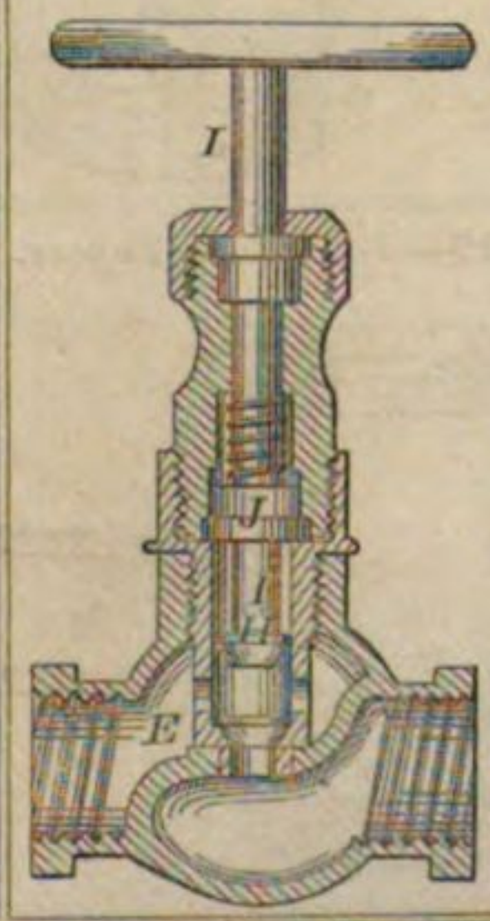
58496—T. S. Speakman—*Safety Valve in Water Backs for Ranges.*



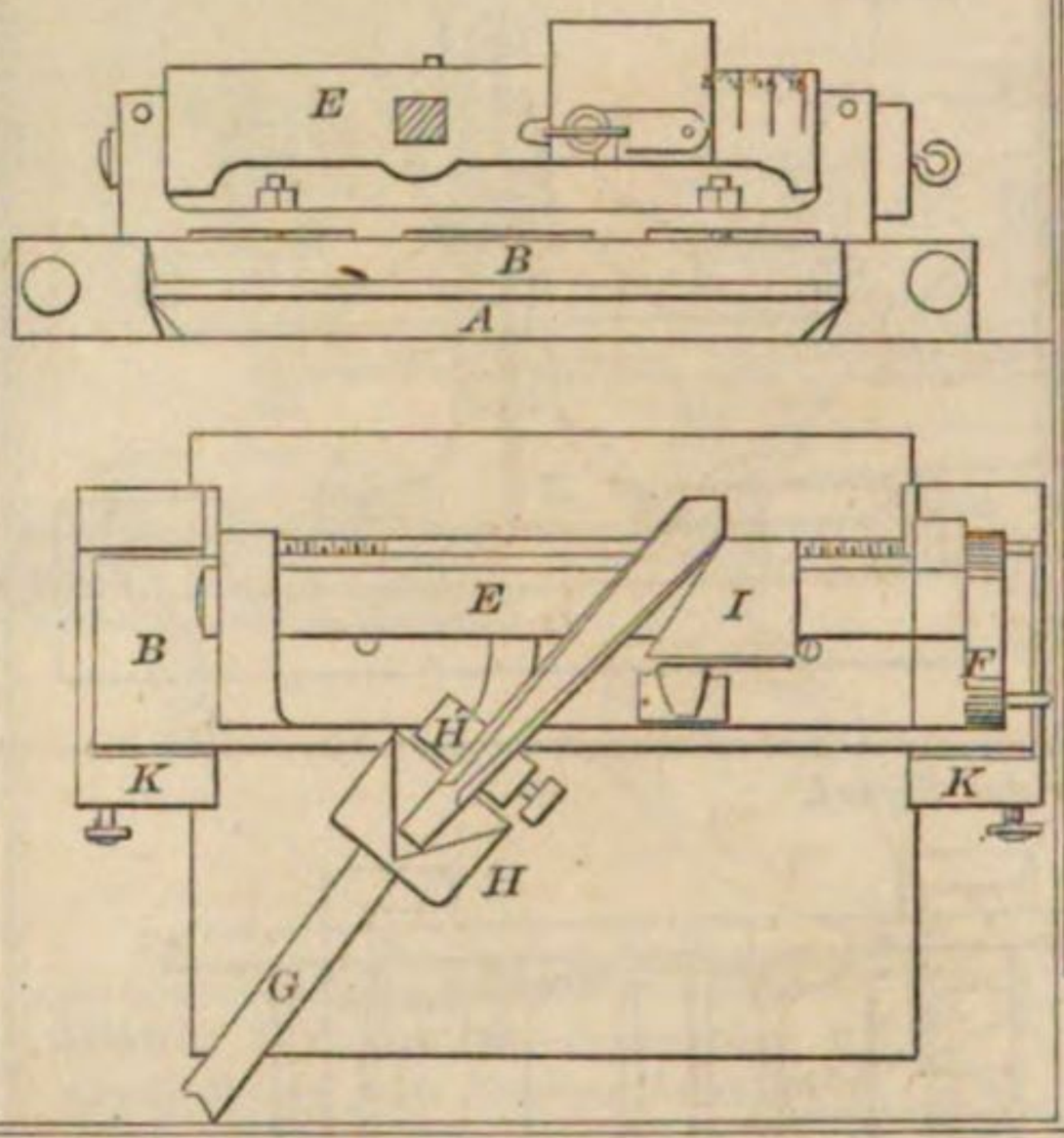
58502—A. Stewart—*Fruit Can Top.*



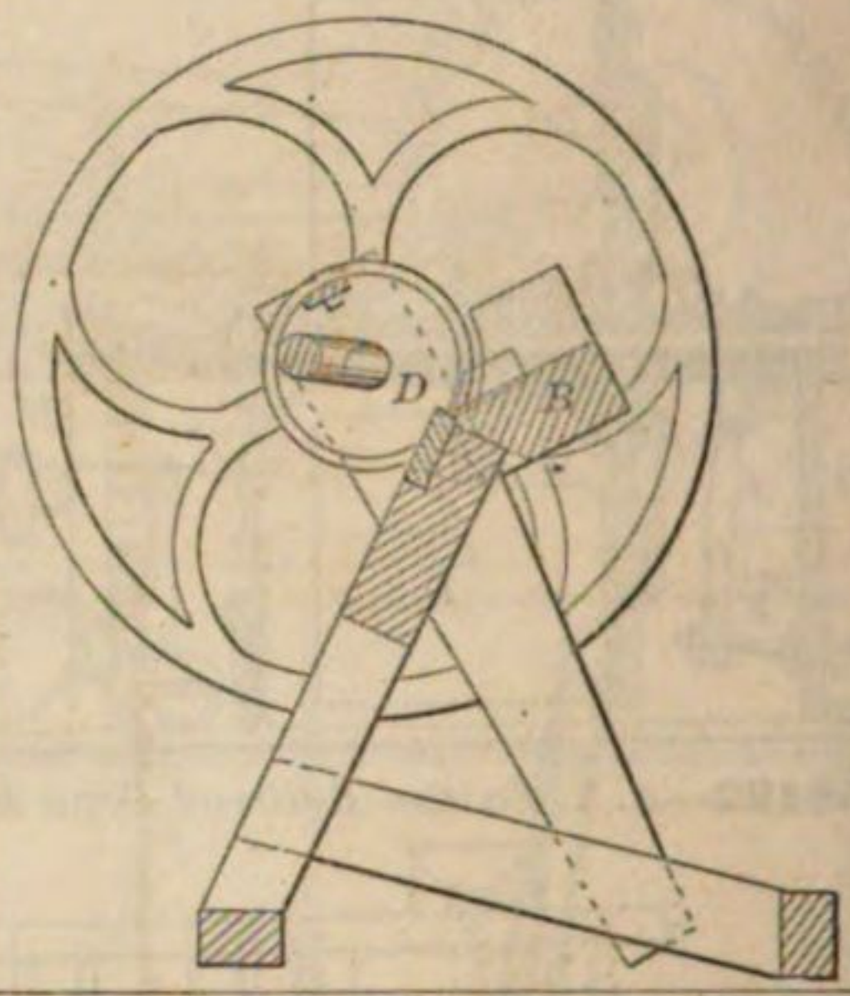
58503—Stierle & Baer—*Steam Engine Globe Valve.*



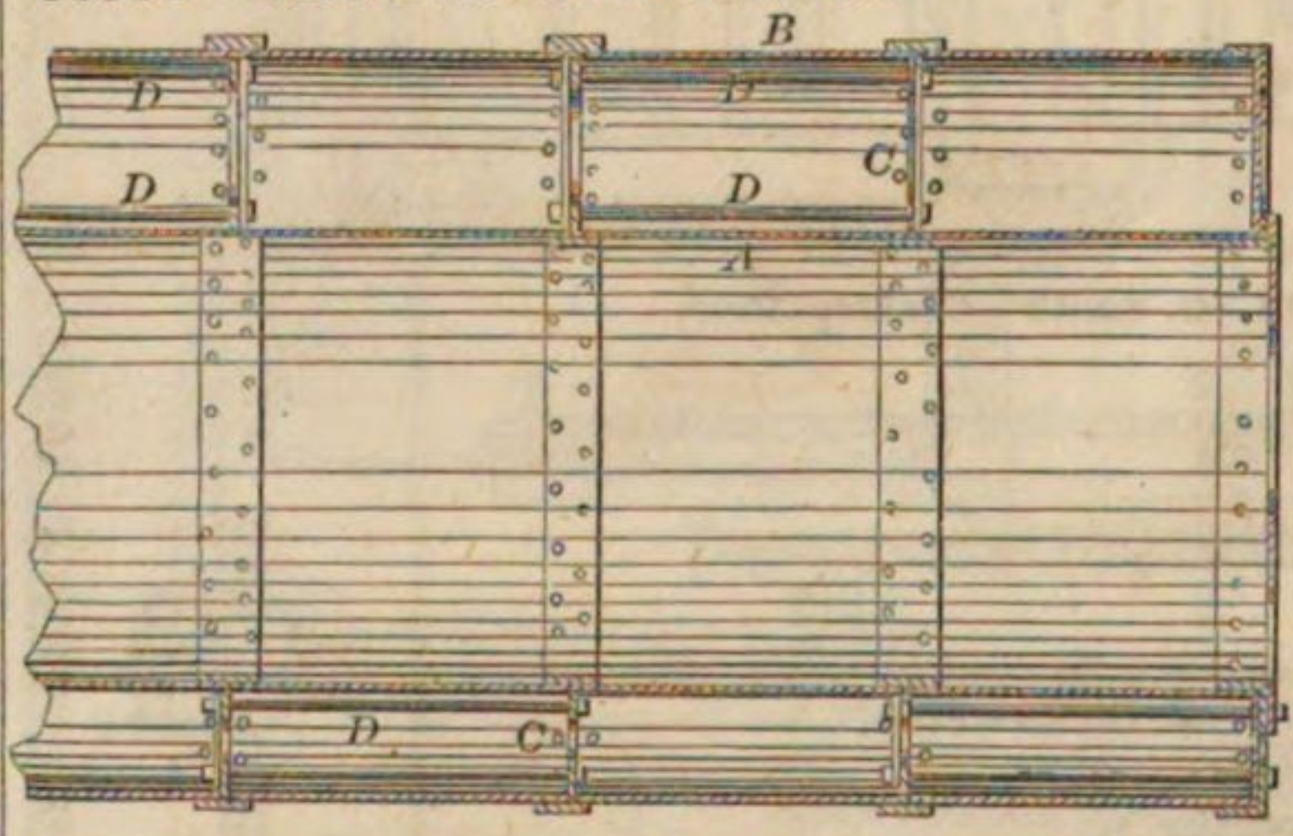
58504—W. H. Strahan—*Grindstone Tool.*



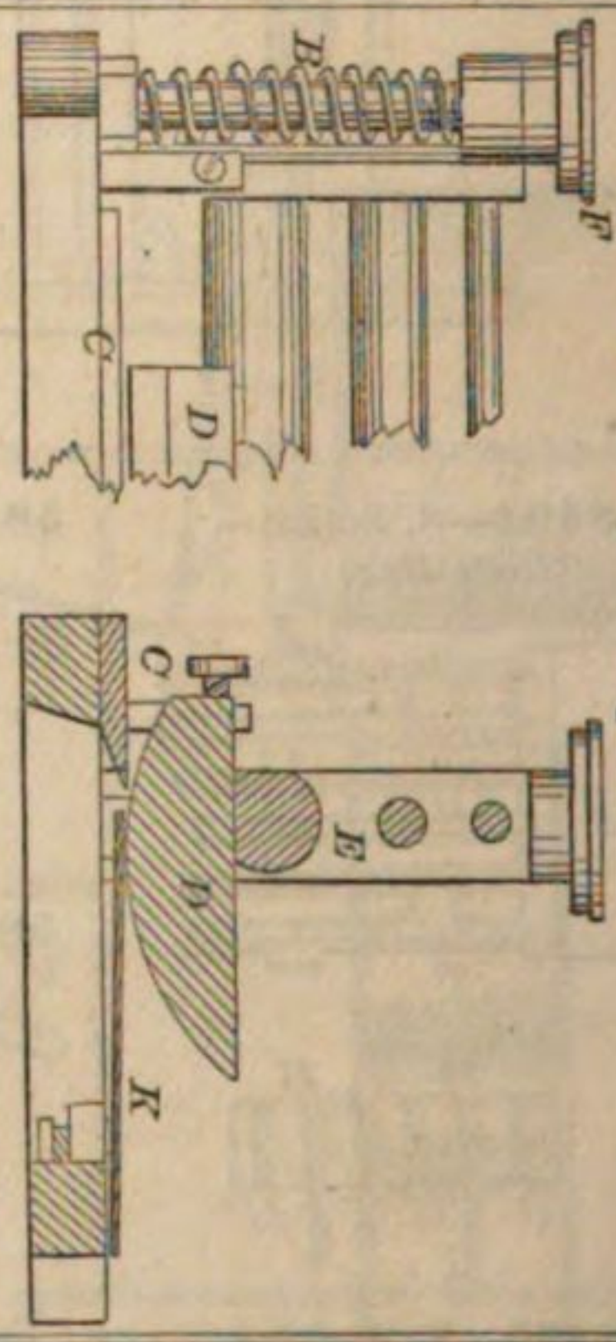
58507—J. A. Taplin—*For Cutting Wood.*



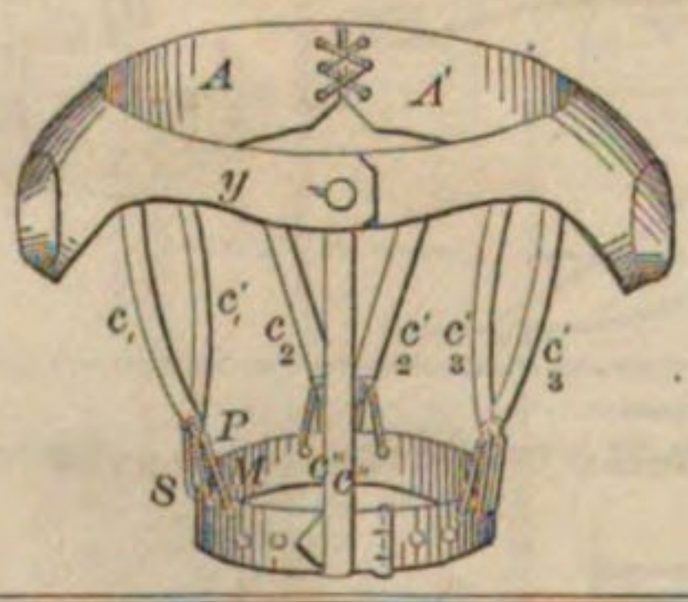
58506—Tait & Avis—*Steam Generator.*



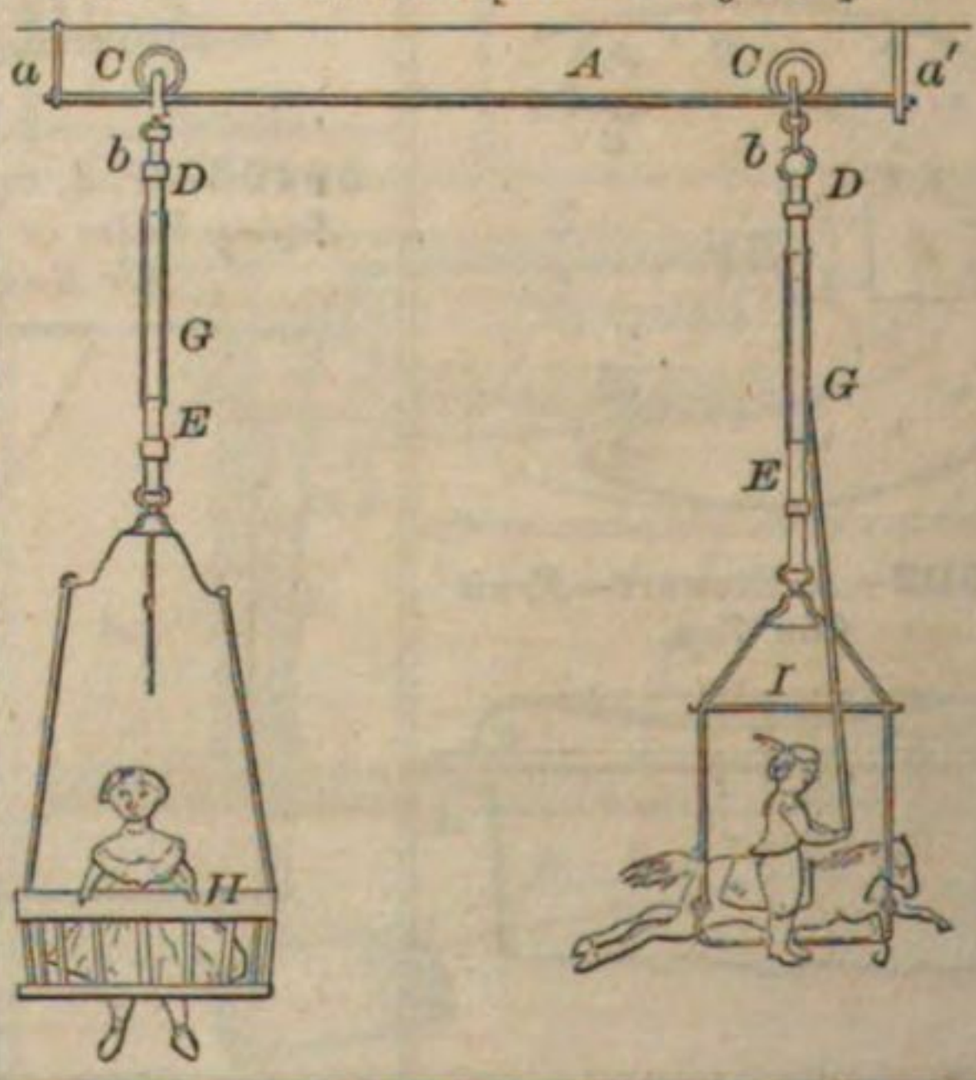
58508—J. S. P. Taylor—*Lap Skiver.*



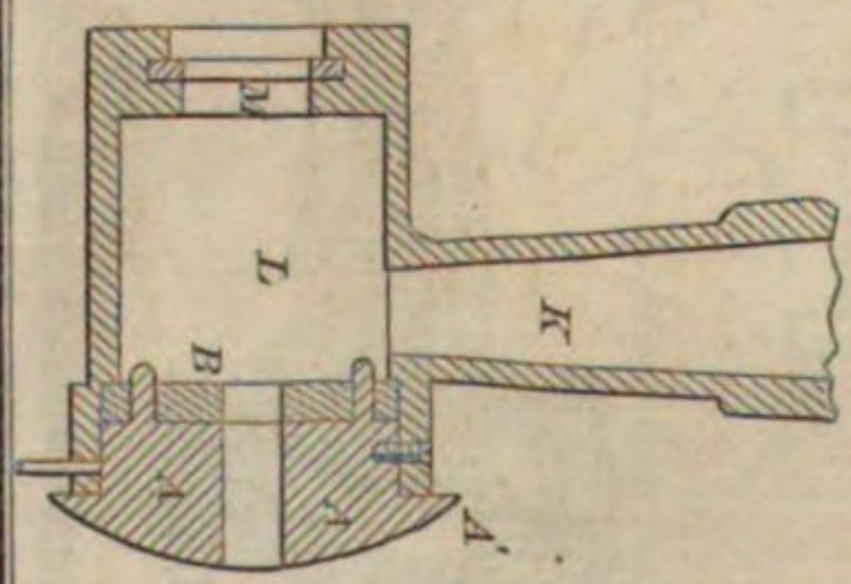
58505—J. Taggart—*Skirt Supporter.*



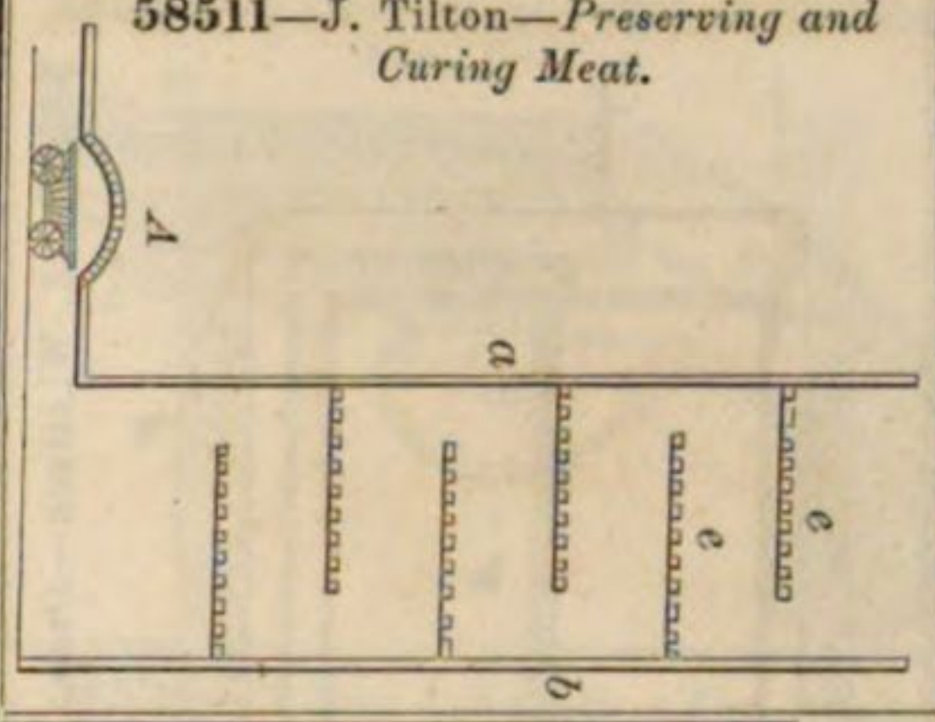
58510—J. P. Thompson—*Baby Jumper.*



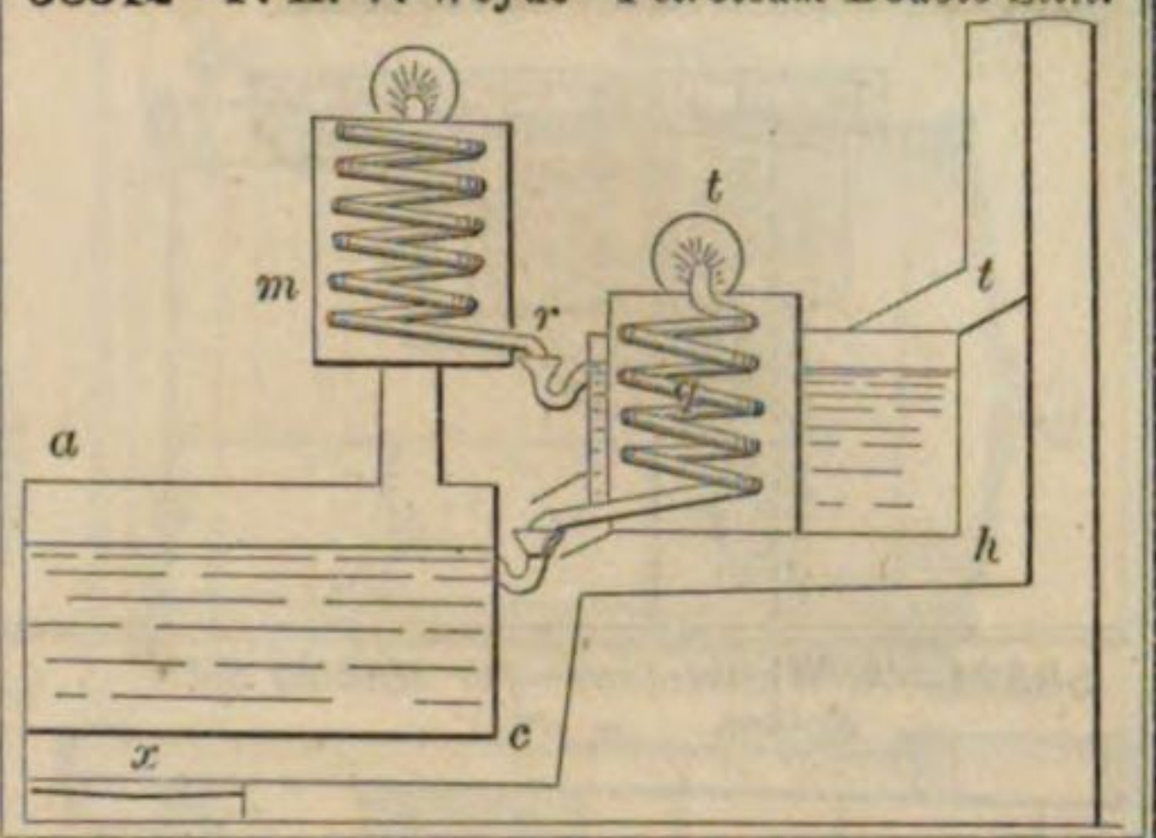
58509—J. Theat—*Tuyere.*



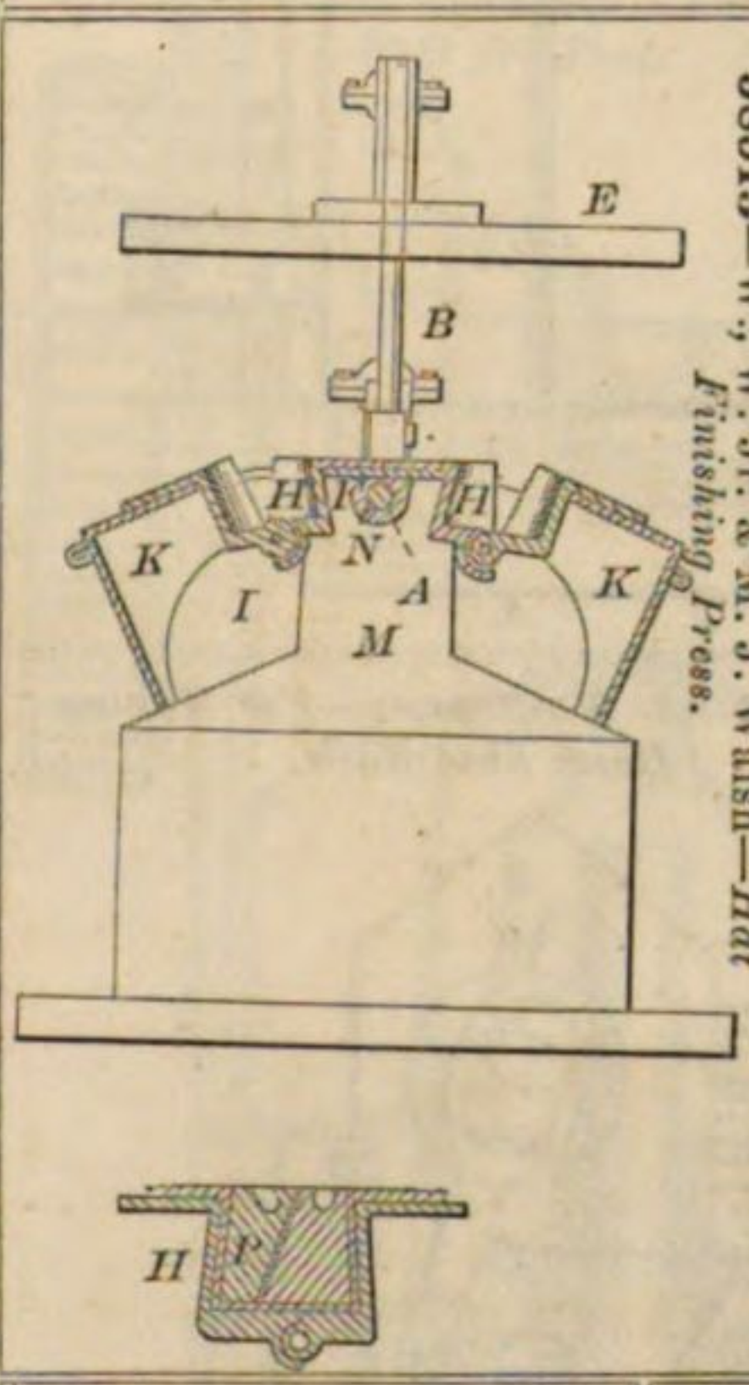
58511—J. Tilton—*Preserving and Curing Meat.*



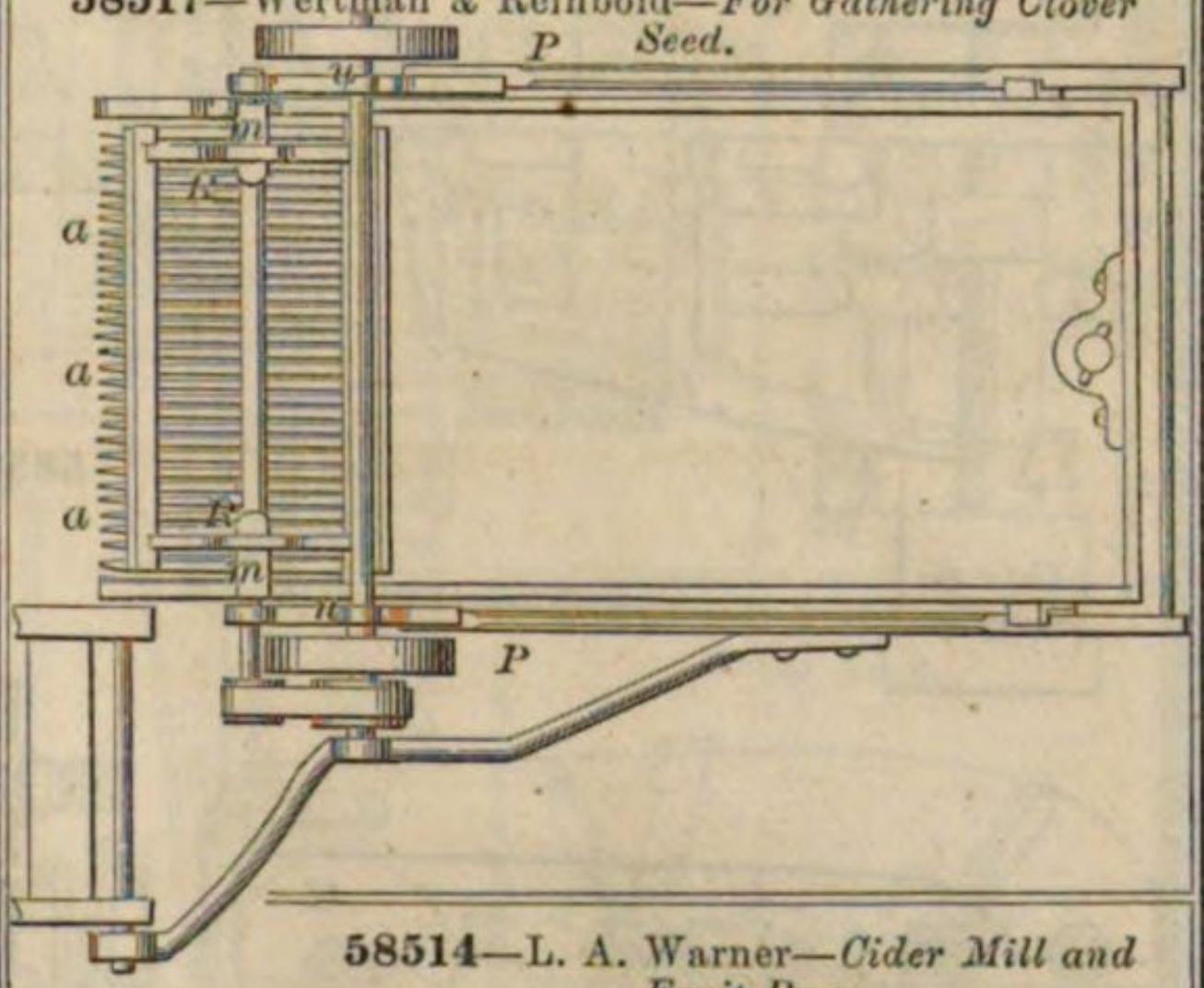
58512—P. H. V. Weyde—*Petroleum Double Still.*



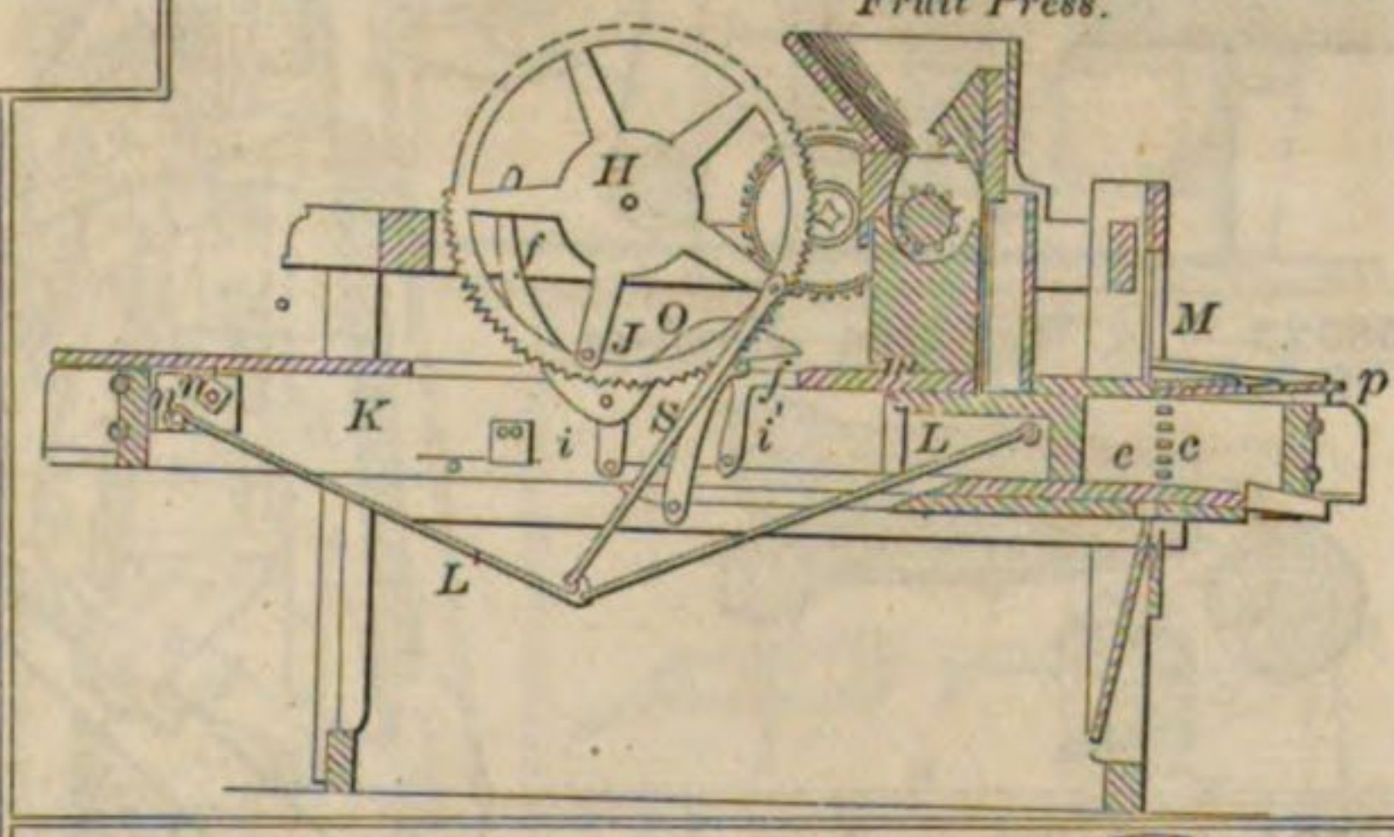
58513—W., W. Jr. & M. J. Walsh—*Hat Finishing Press.*



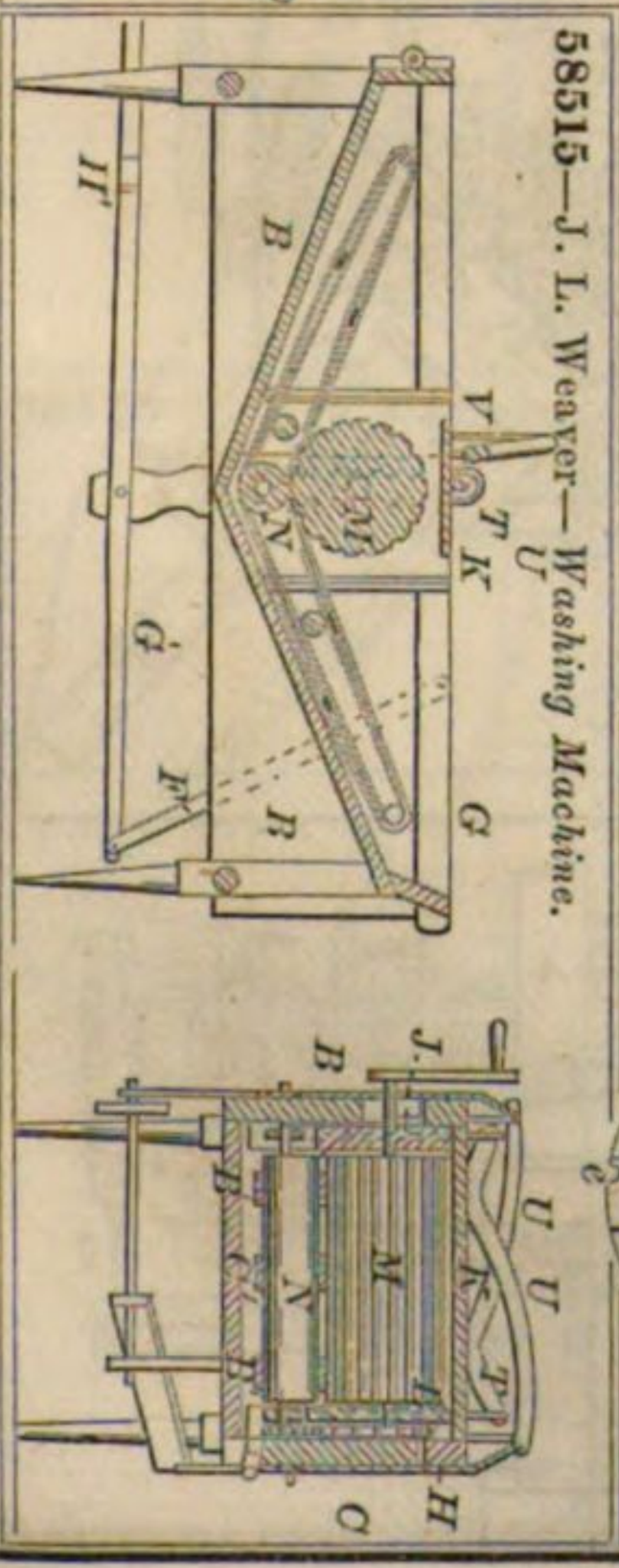
58517—Wertman & Reinbold—*For Gathering Clover Seed.*



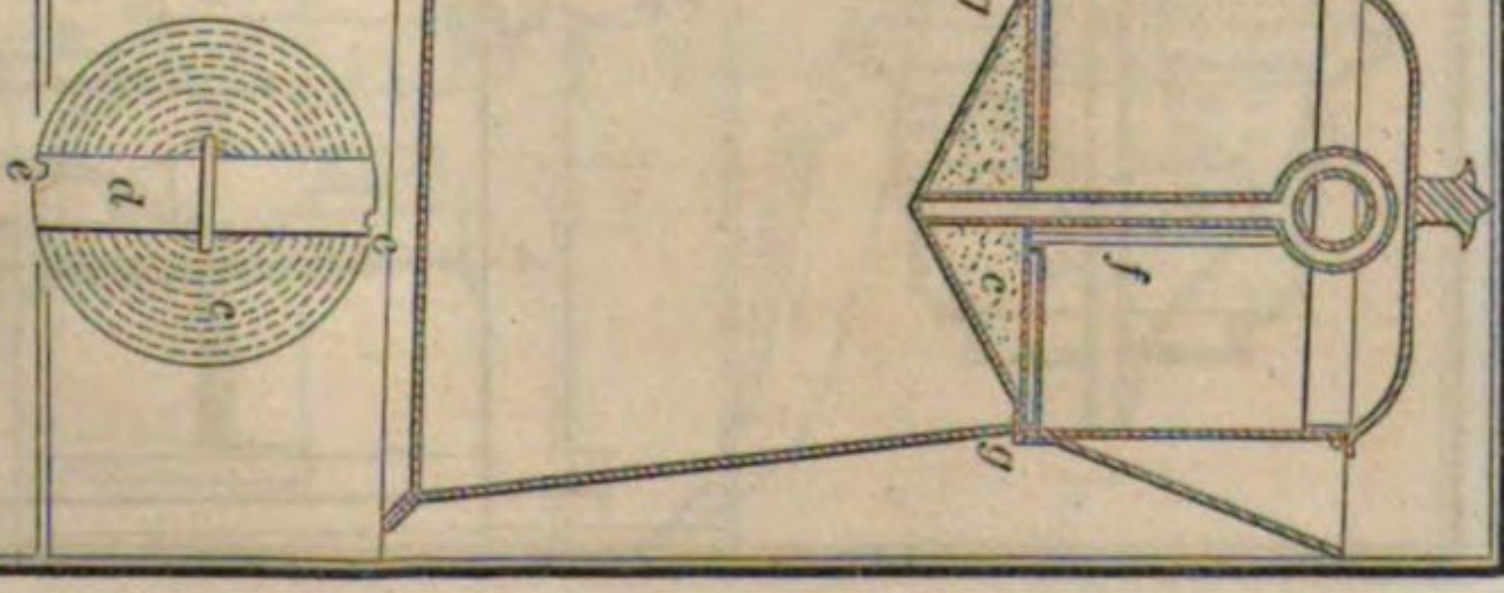
58514—L. A. Warner—*Cider Mill and Fruit Press.*



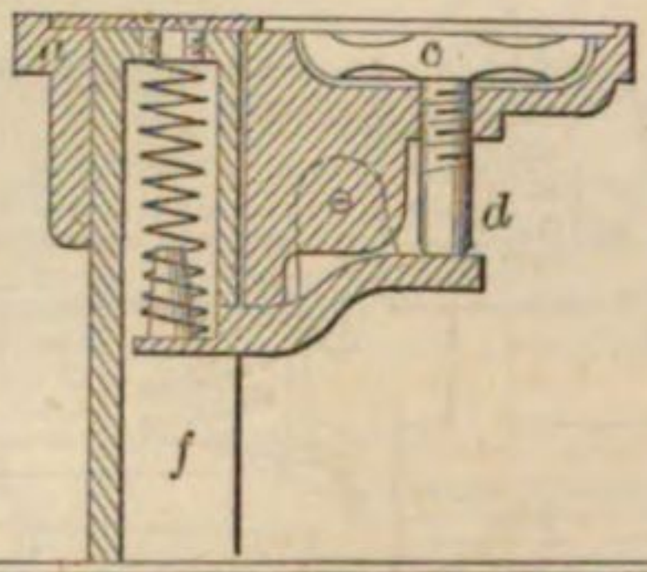
58515—J. L. Weaver—*Washing Machine.*



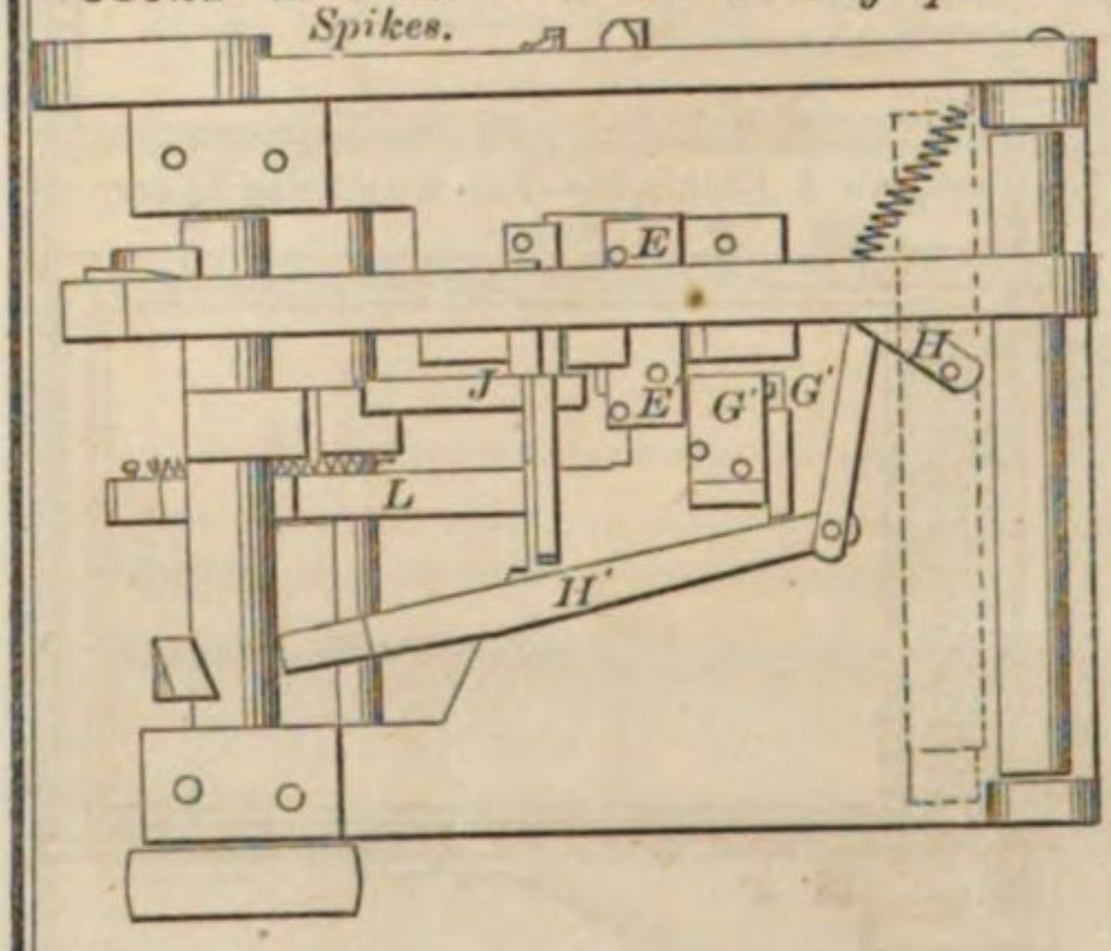
58518—W. Westlake—*Coffee Pot.*

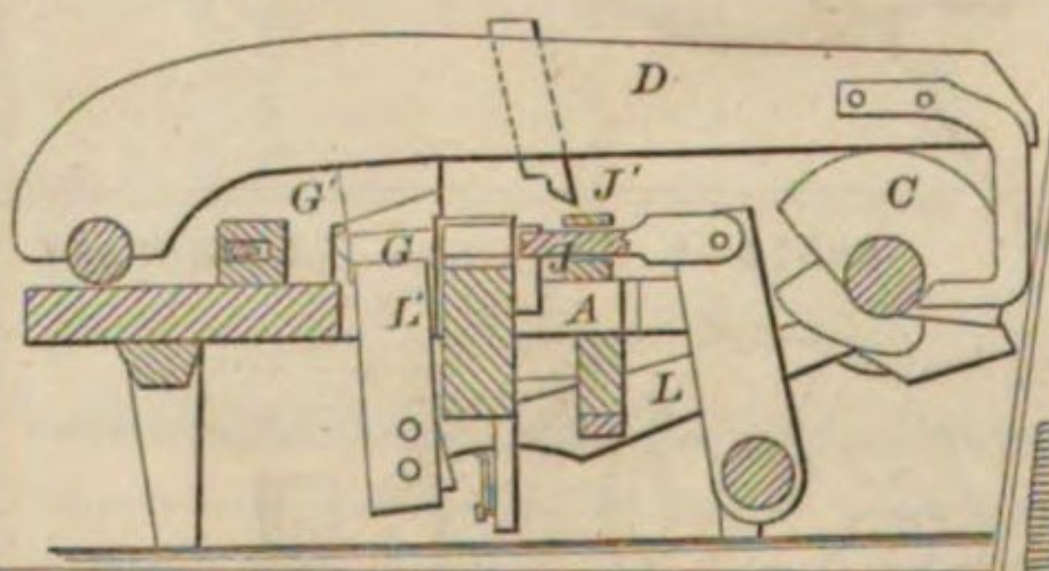


58519—C. H. Weston—*Bench Hook.*

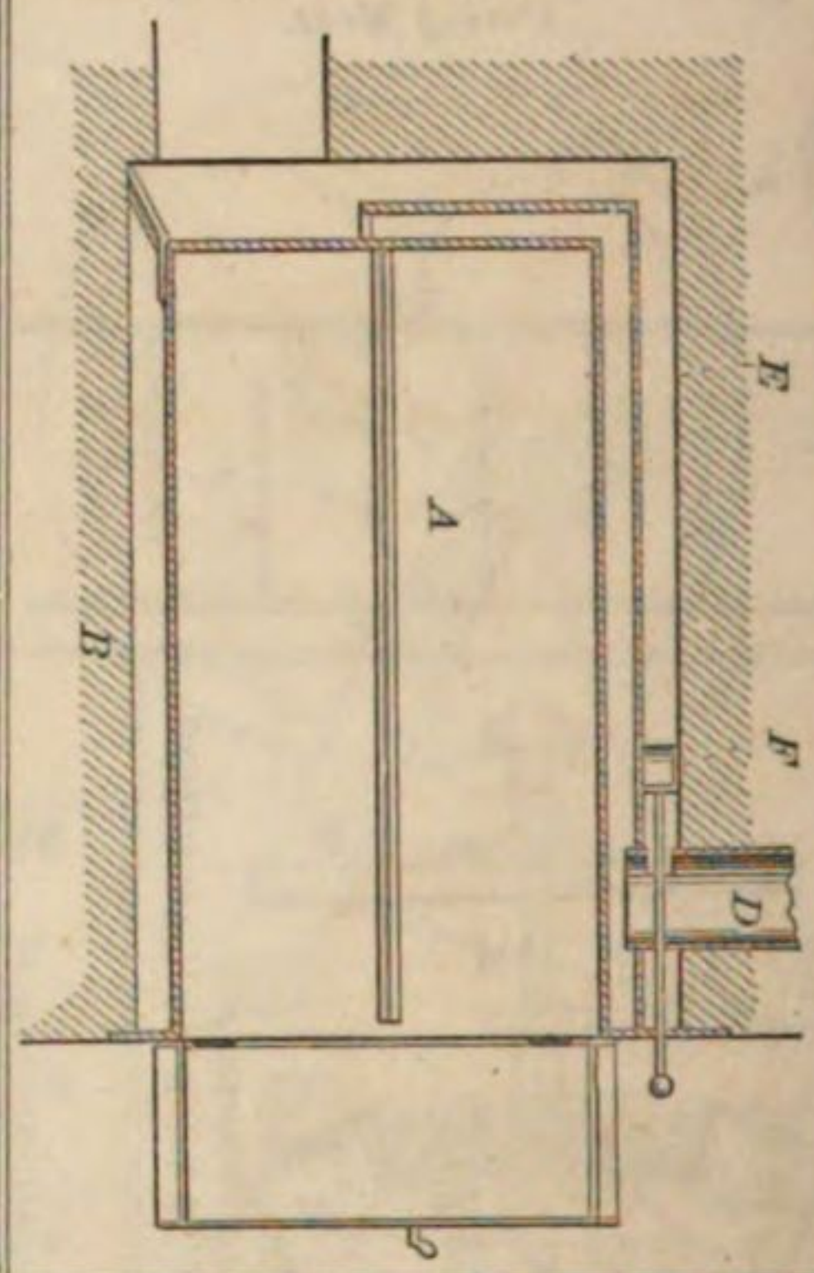


58521—A. Whittemore—*For Making Split Spikes.*

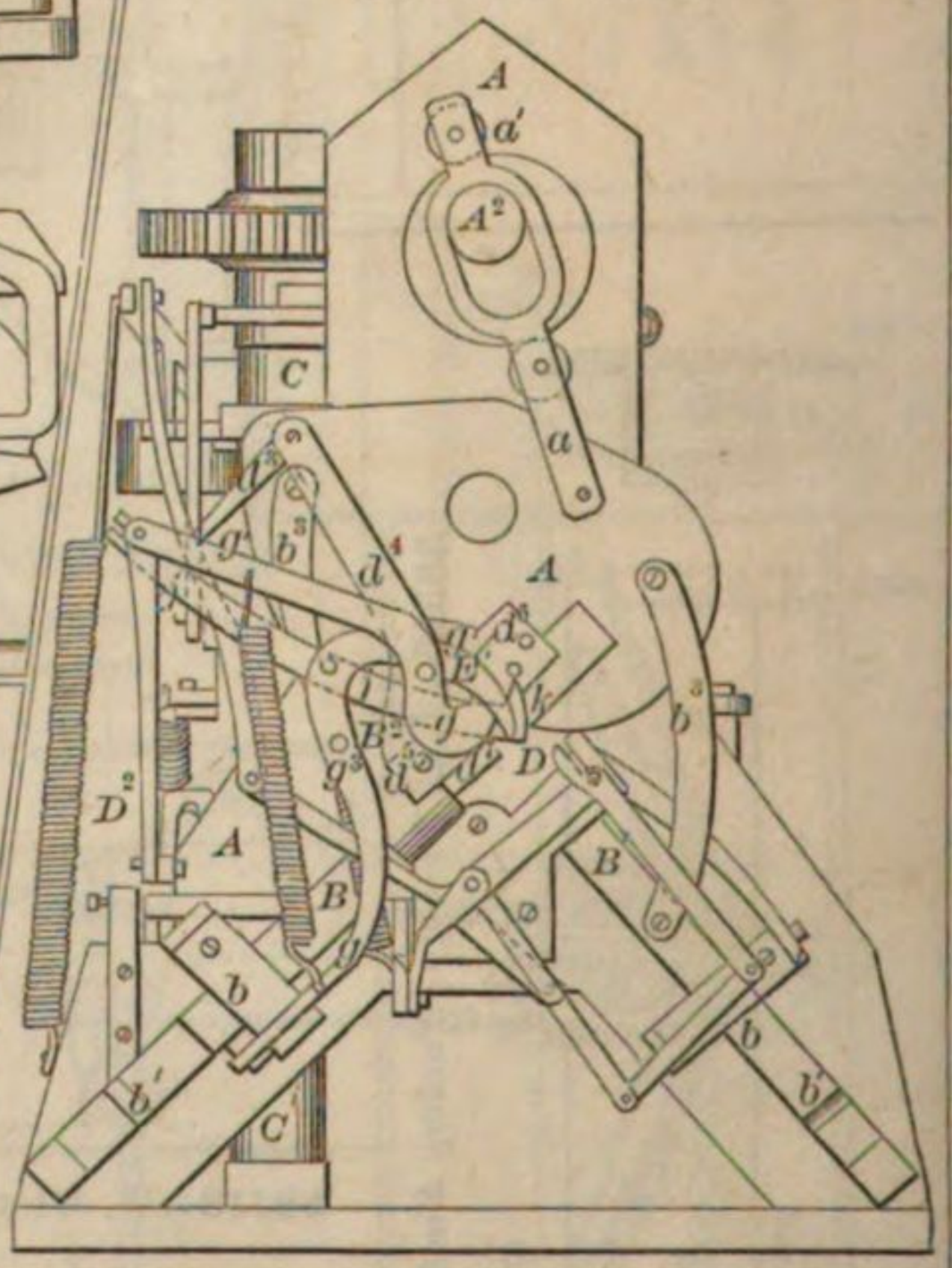




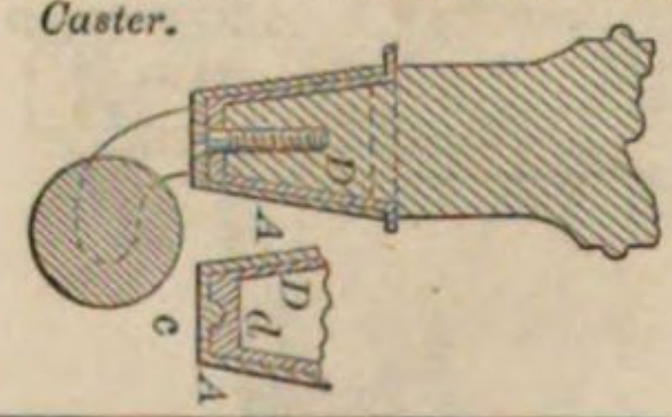
58522—A. Whittock—*Oven.*



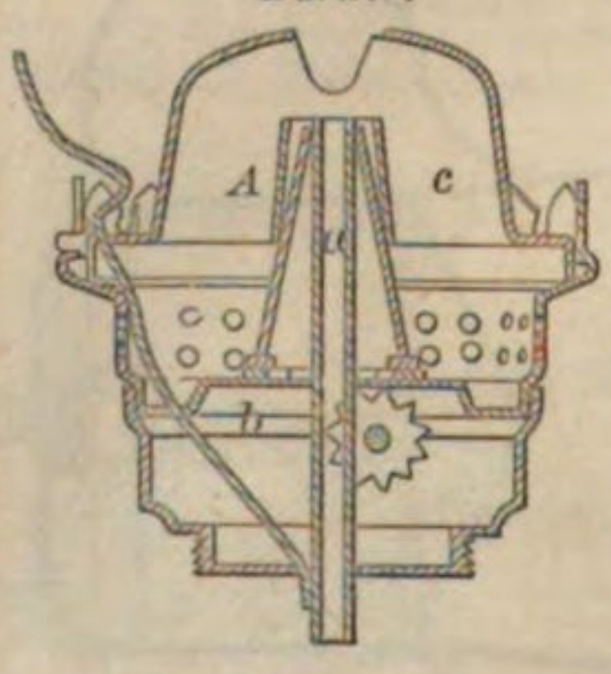
58520—A. Whittemore—*For Making Horse Shoe Nails.*

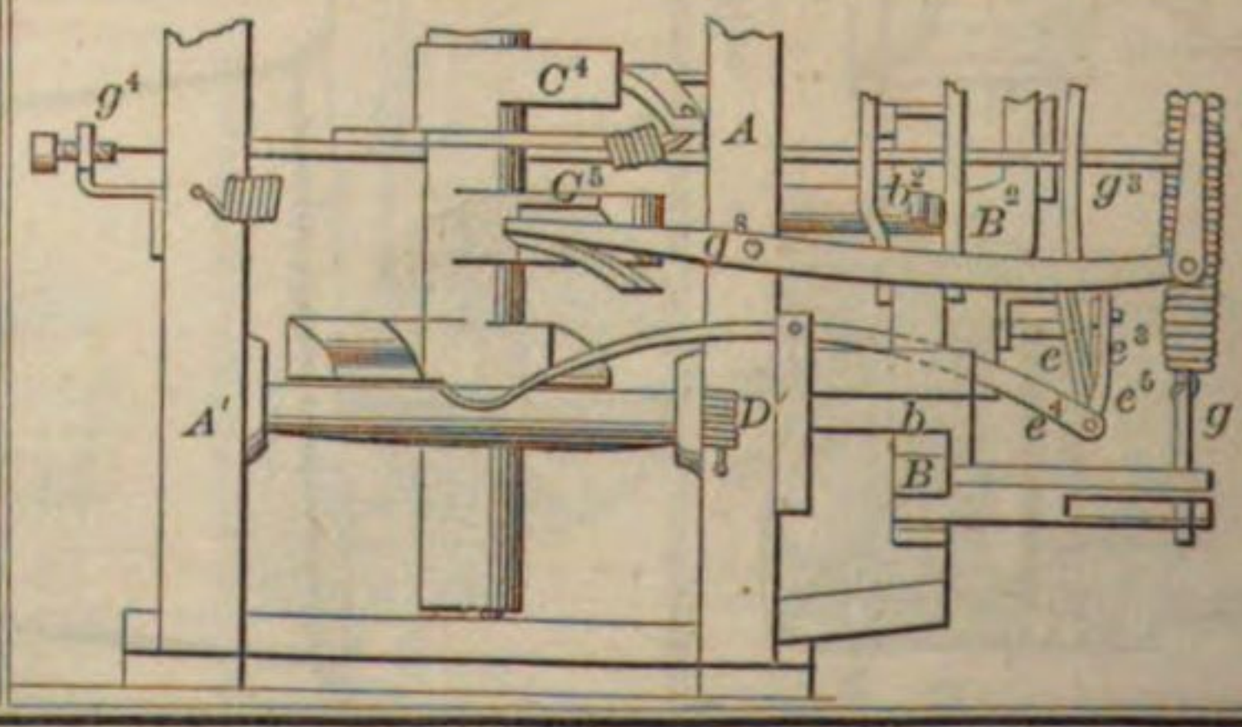


58523—J. A. Wiedsheim—*Furniture Caster.*

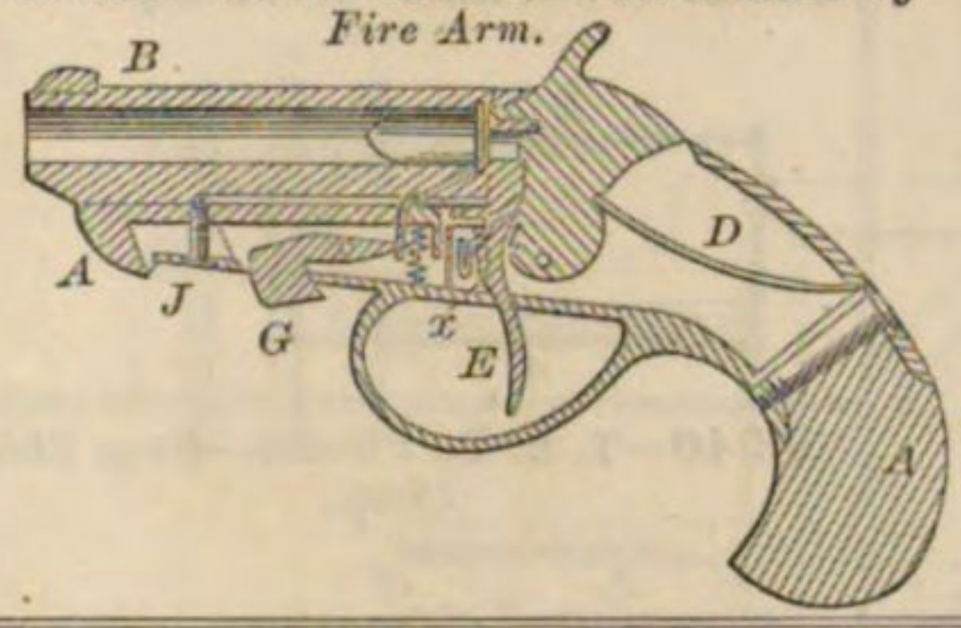


58524—S. W. Wilcox—*Lamp Burner.*

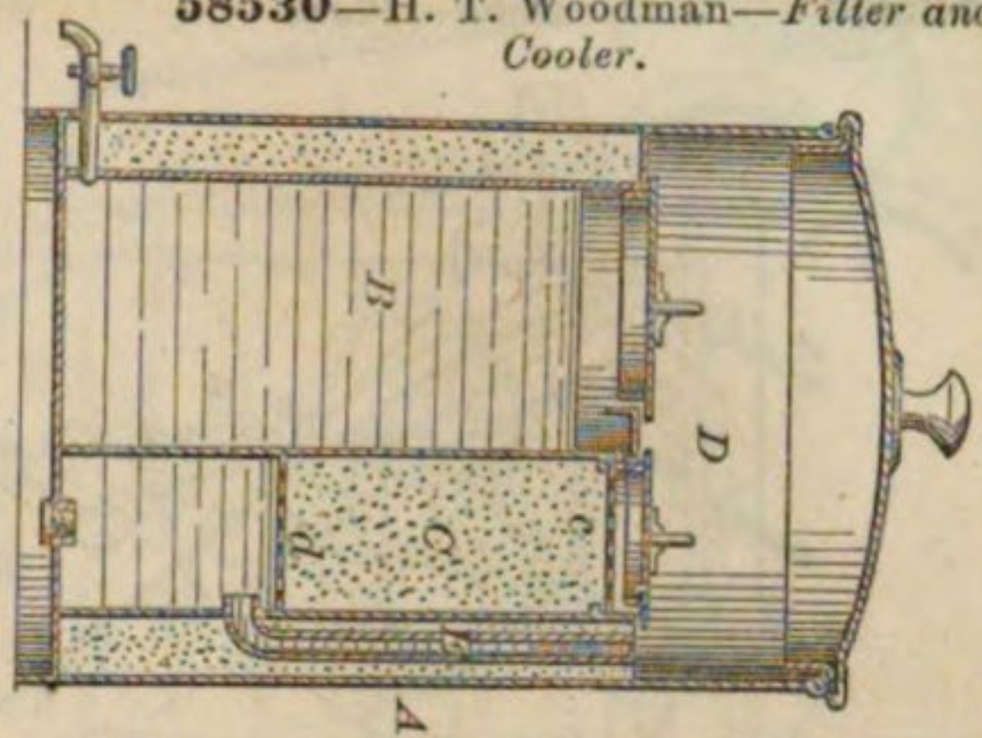




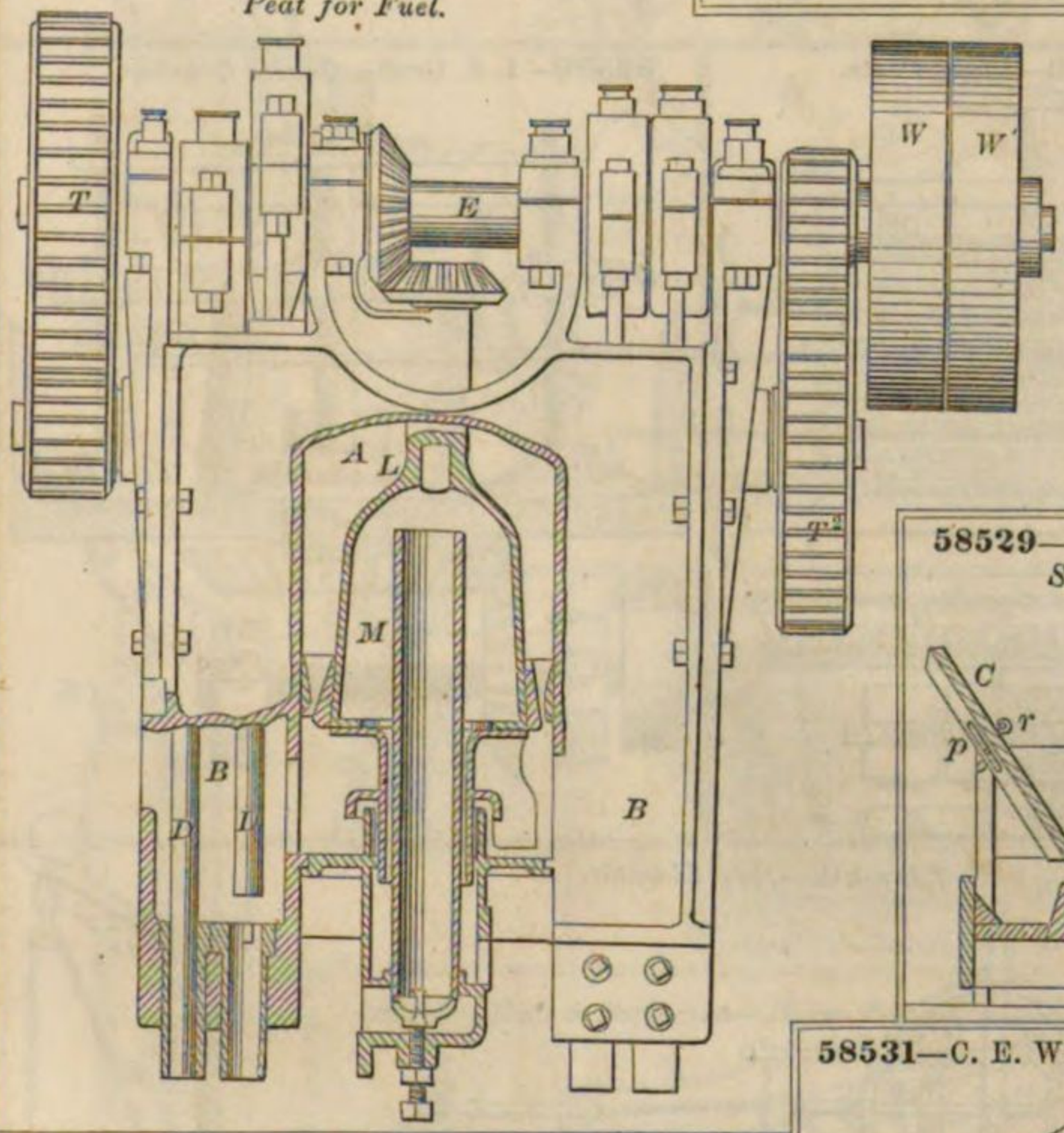
58525—D. Williamson—*Breech-Loading Fire Arm.*



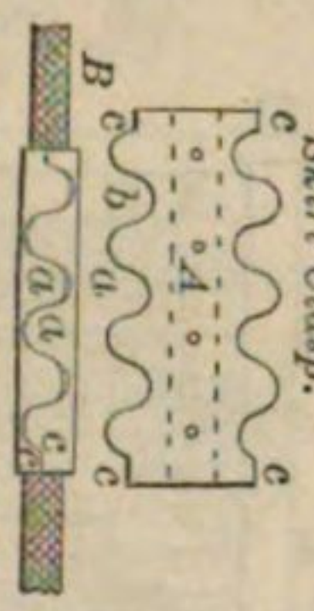
58530—H. T. Woodman—*Filter and Cooler.*



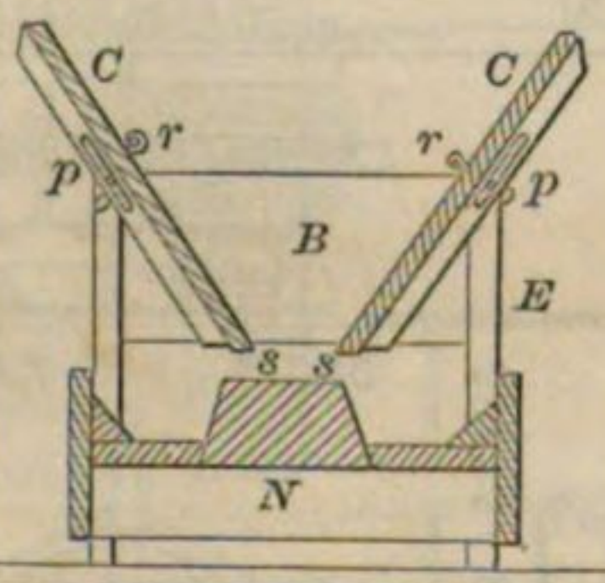
58528—Winter & Newton—*For Preparing Peat for Fuel.*



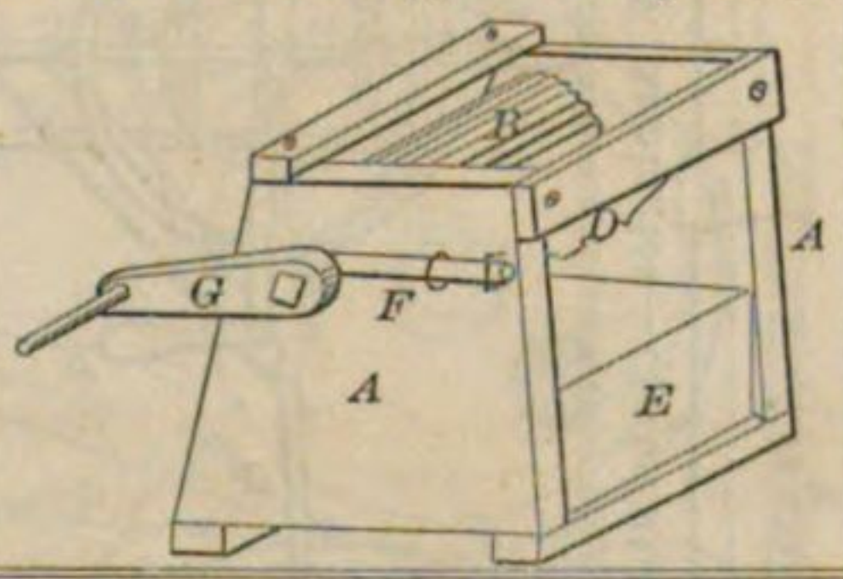
58527—S. R. Wilmot—*Hoop Skirt Clasp.*



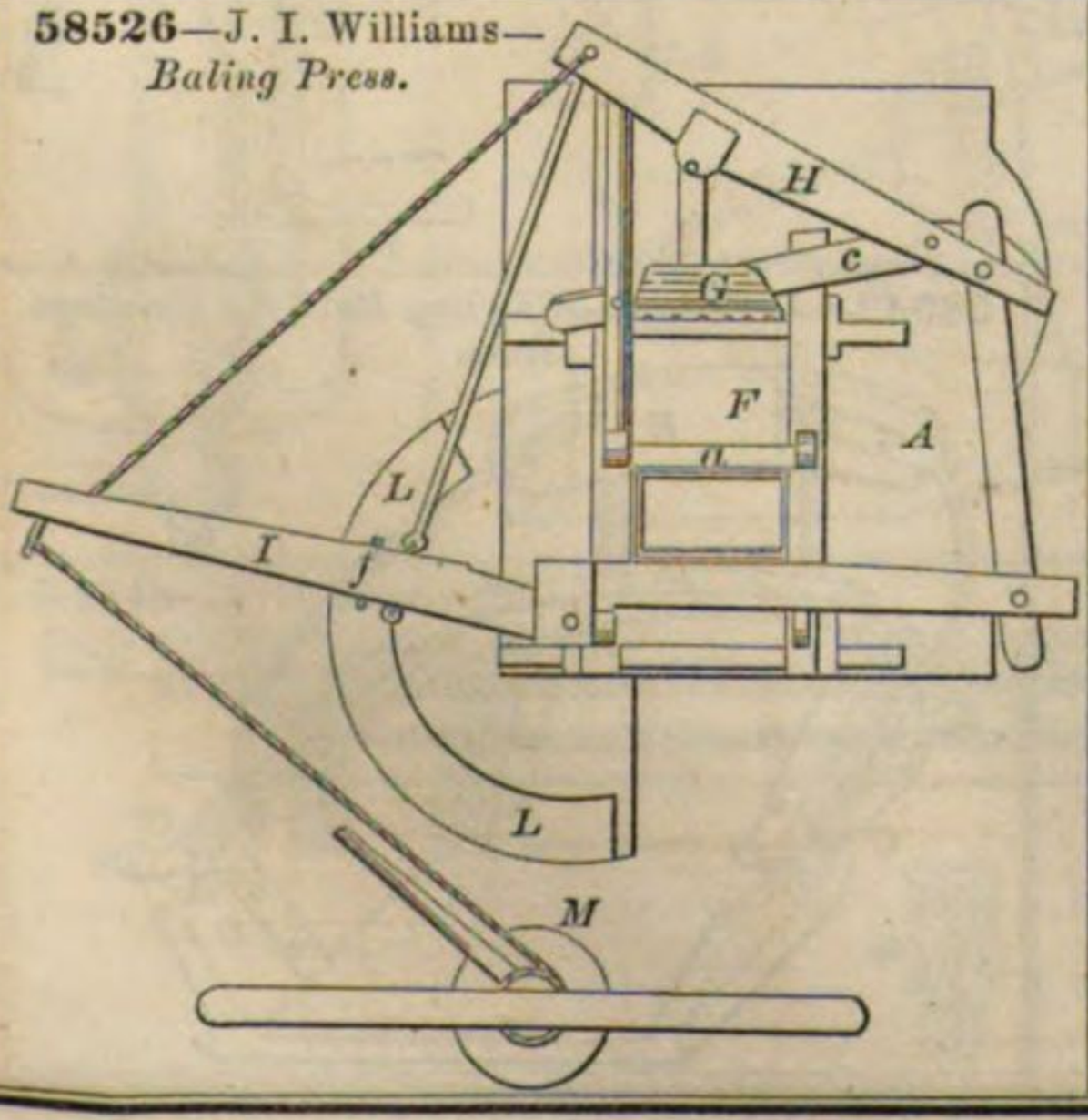
58529—J. D. Woodbury—*Sheep Rack.*



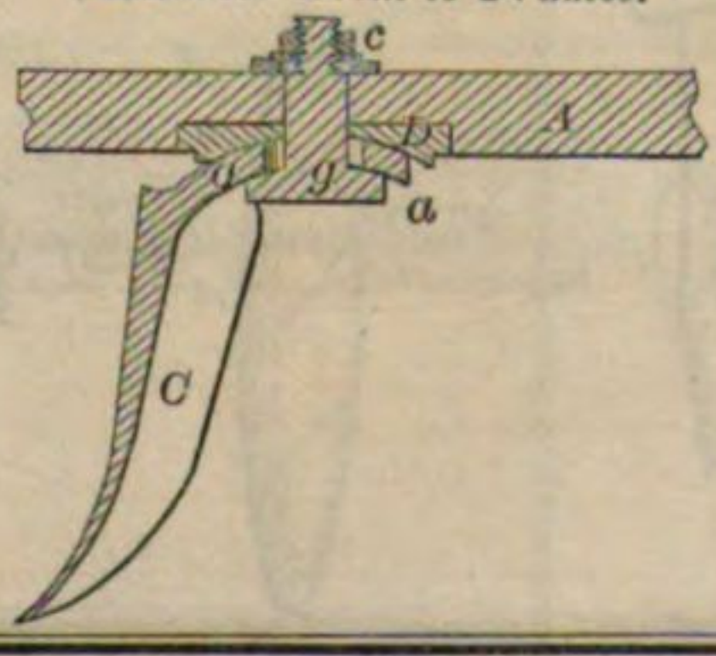
58531—C. E. Wright—*Cherry Stoner.*



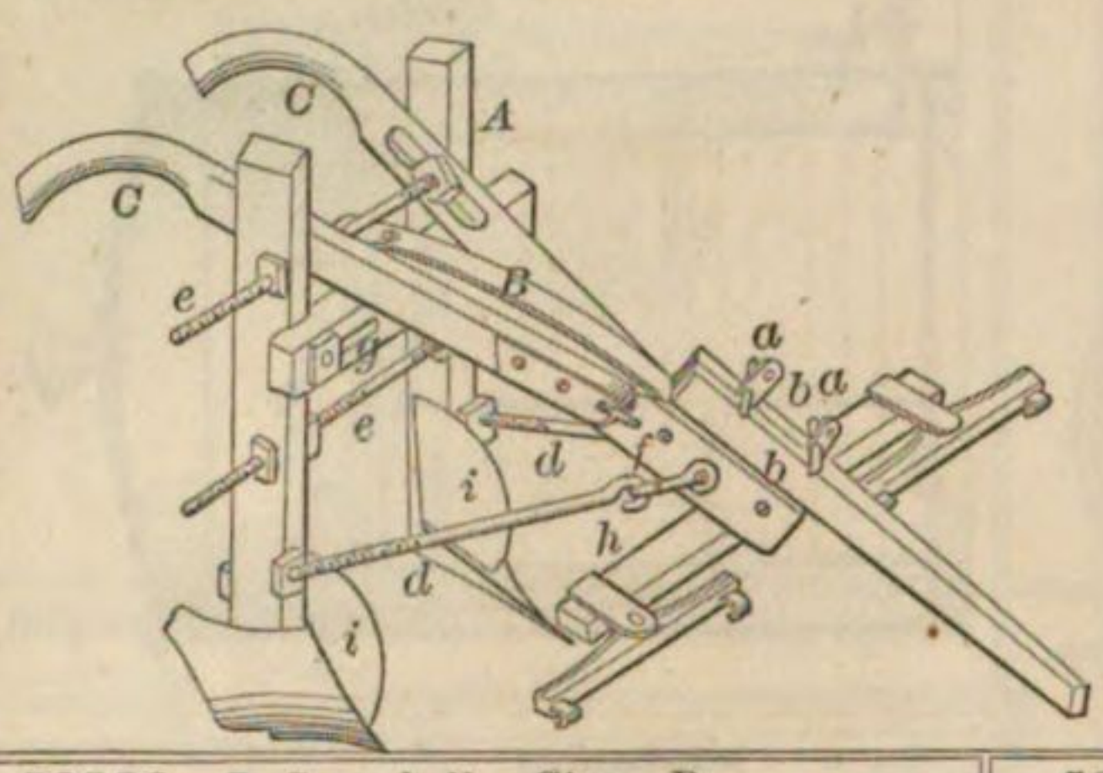
58526—J. I. Williams—*Baling Press.*



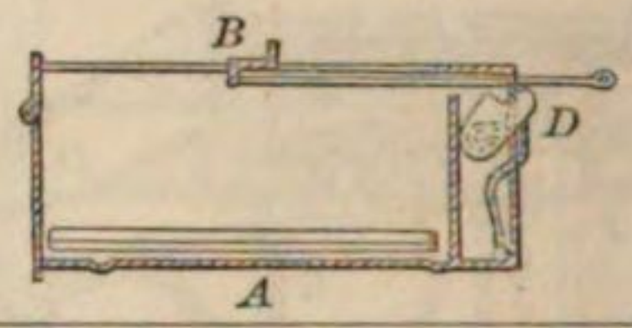
58533—G. W Zeigler—*Attaching Cultivator Teeth to Frames.*



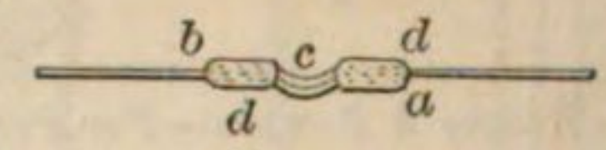
58534—C. Zimmerman—*Plow.*



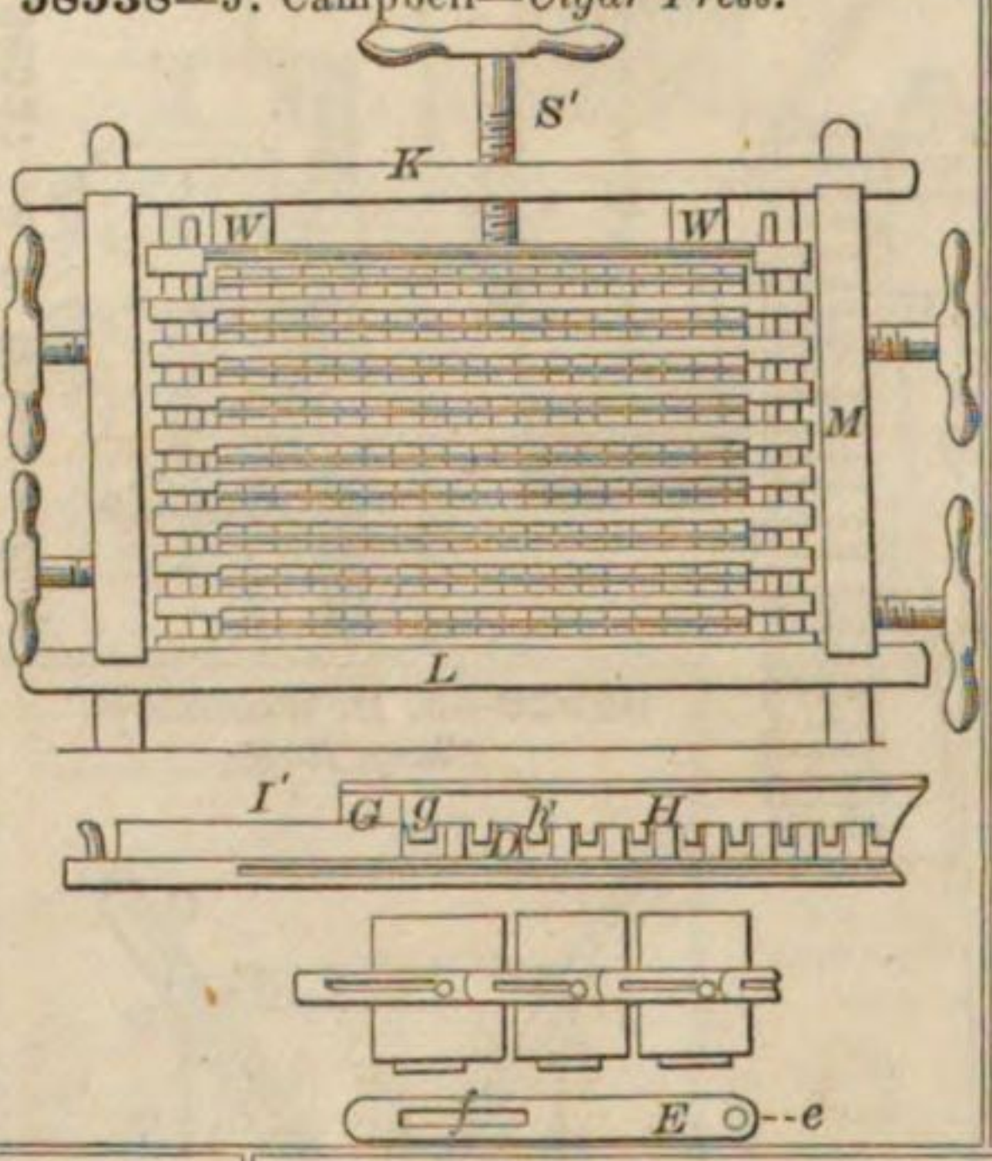
58536—J. E. Auld—*Match Safe.*



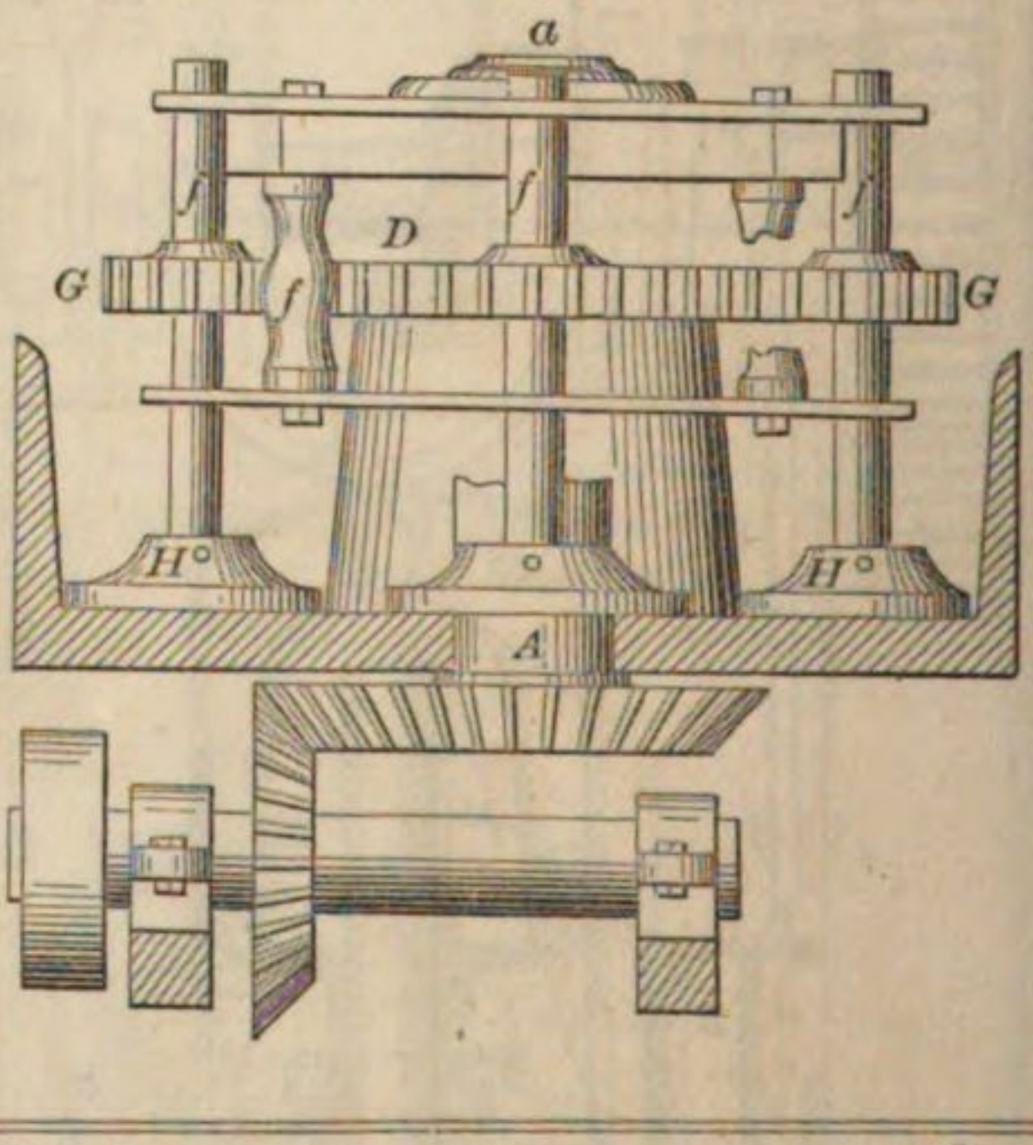
58540—T. B. De Forrest—*Hoop Skirt Clasp.*



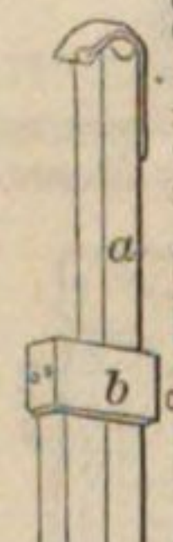
58538—J. Campbell—*Cigar Press.*



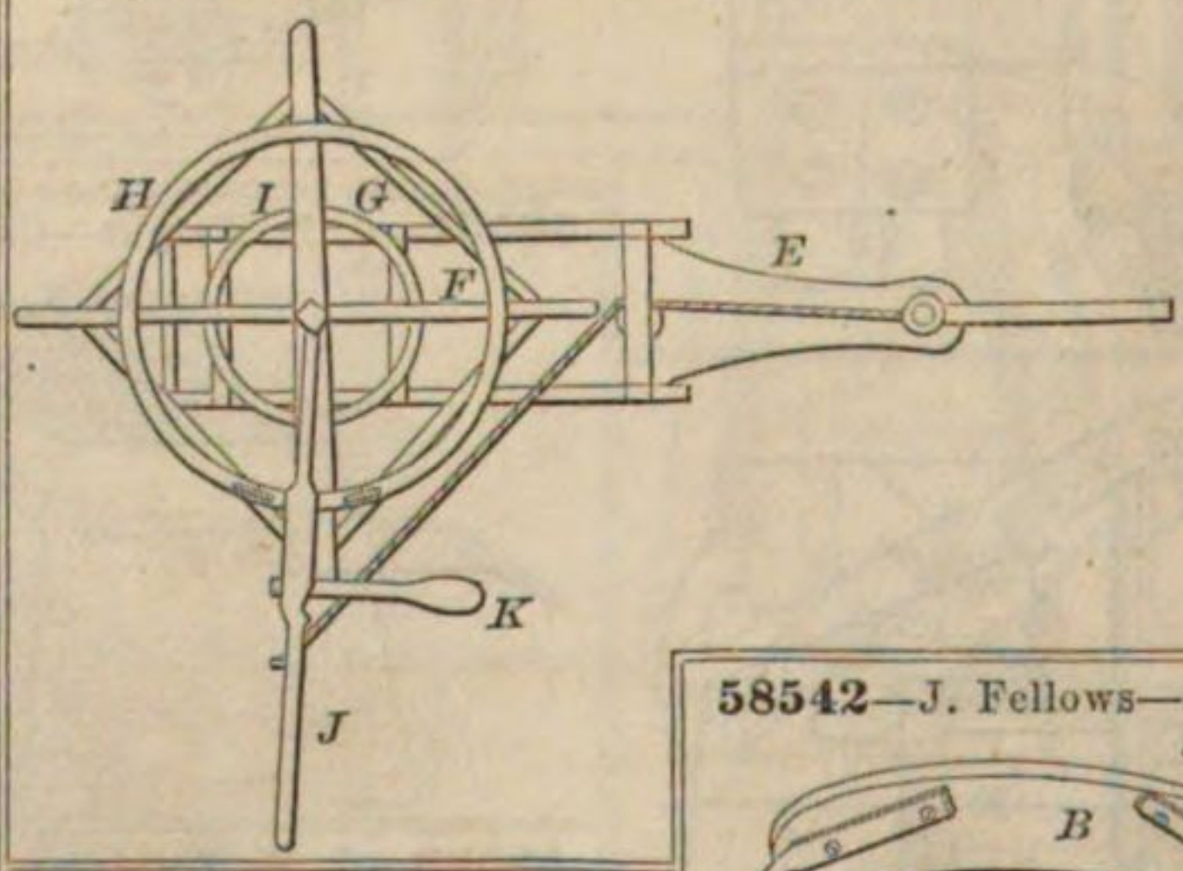
58539—I. S. Croll—*Quartz Crusher.*

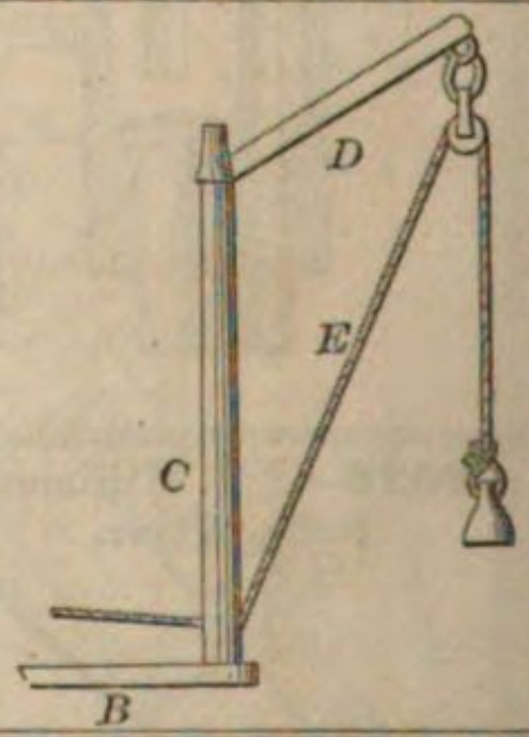


58535—W. W. Armington—*Clothes Pole.*



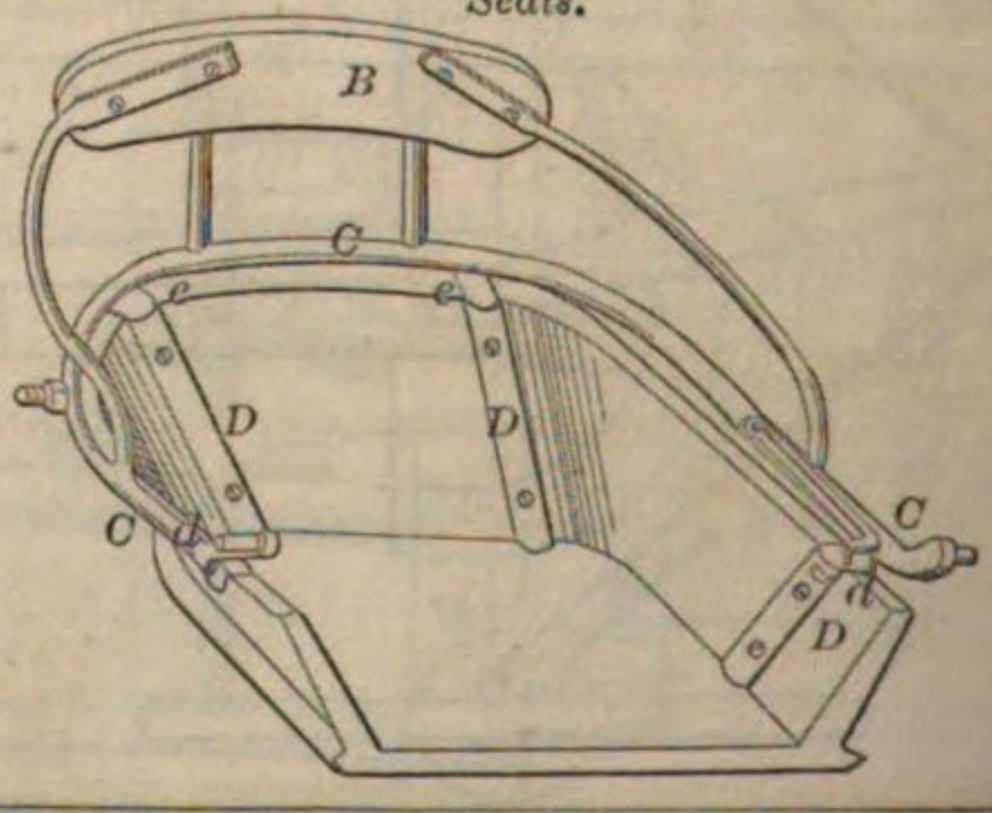
58541—P. C. Ellsworth—*Hay Elevator.*



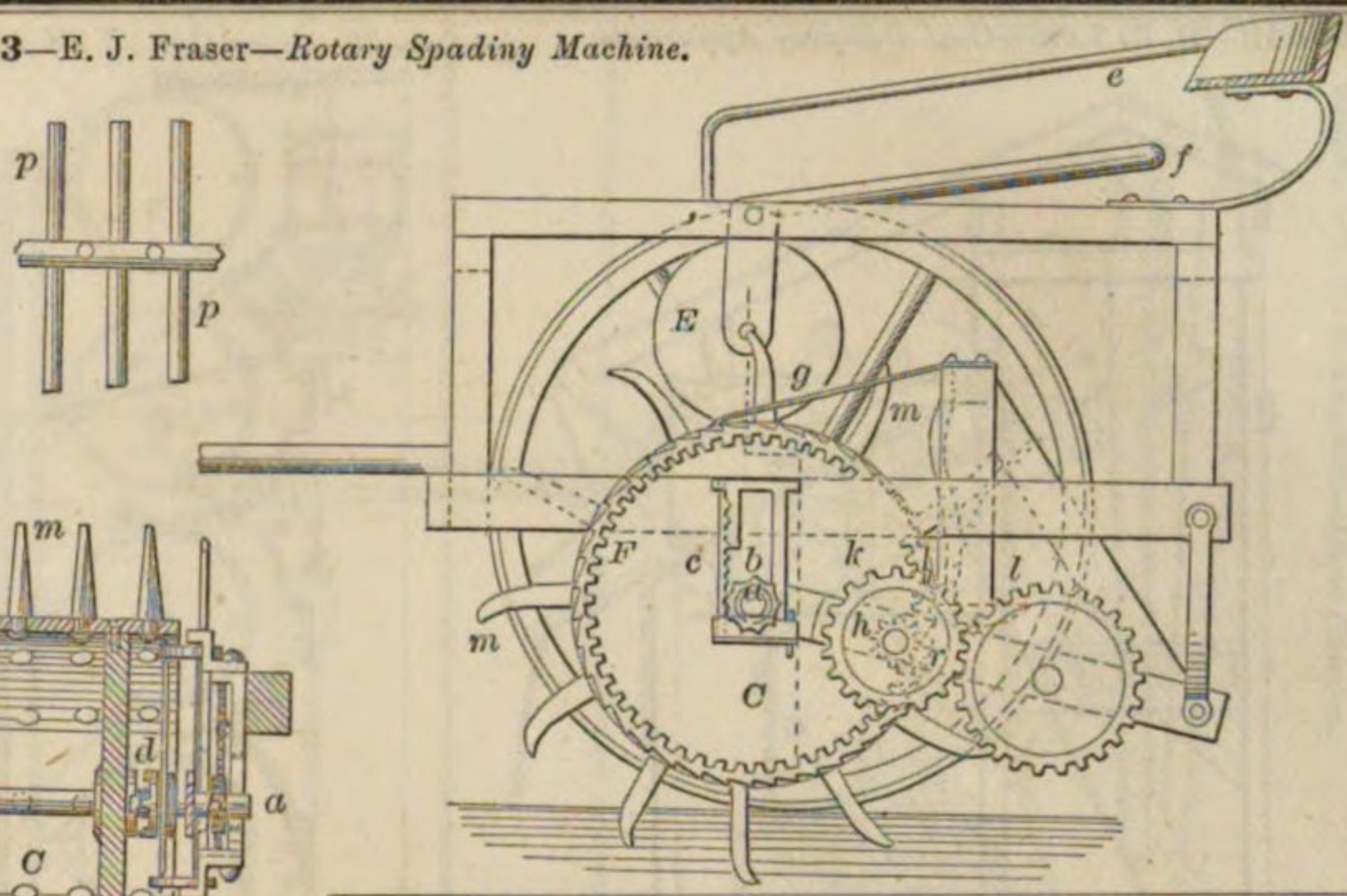


58537—W. Belcher—*Cigar Light.*

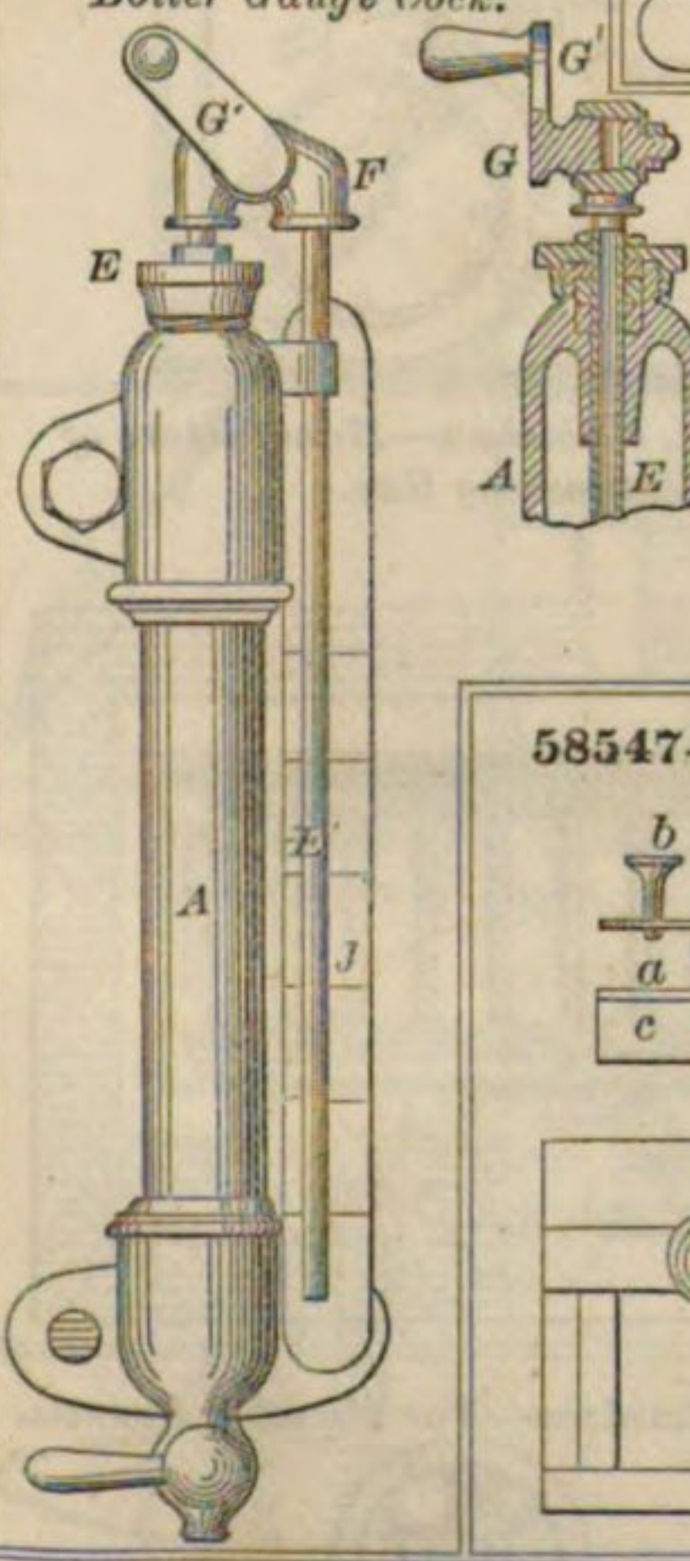
58542—J. Fellows—*Shifting Rail for Carriage Seats.*



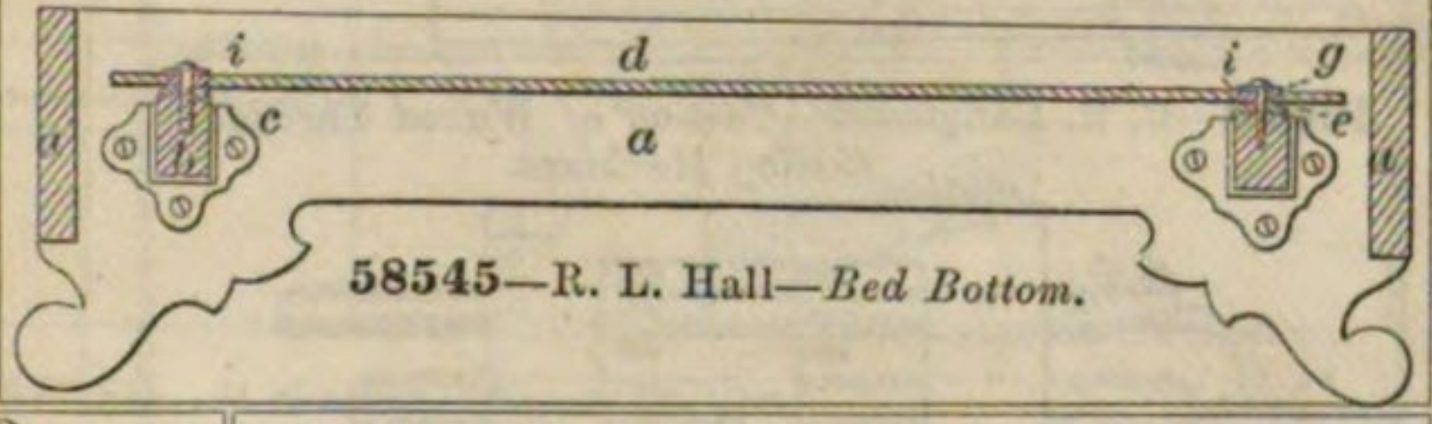
58543—E. J. Fraser—*Rotary Spading Machine.*



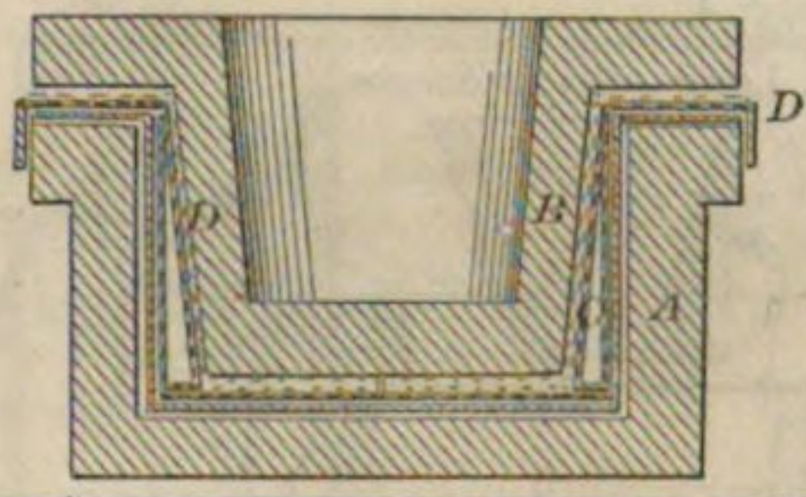
58546—W. T. Howard—*Boiler Gauge Cock.*



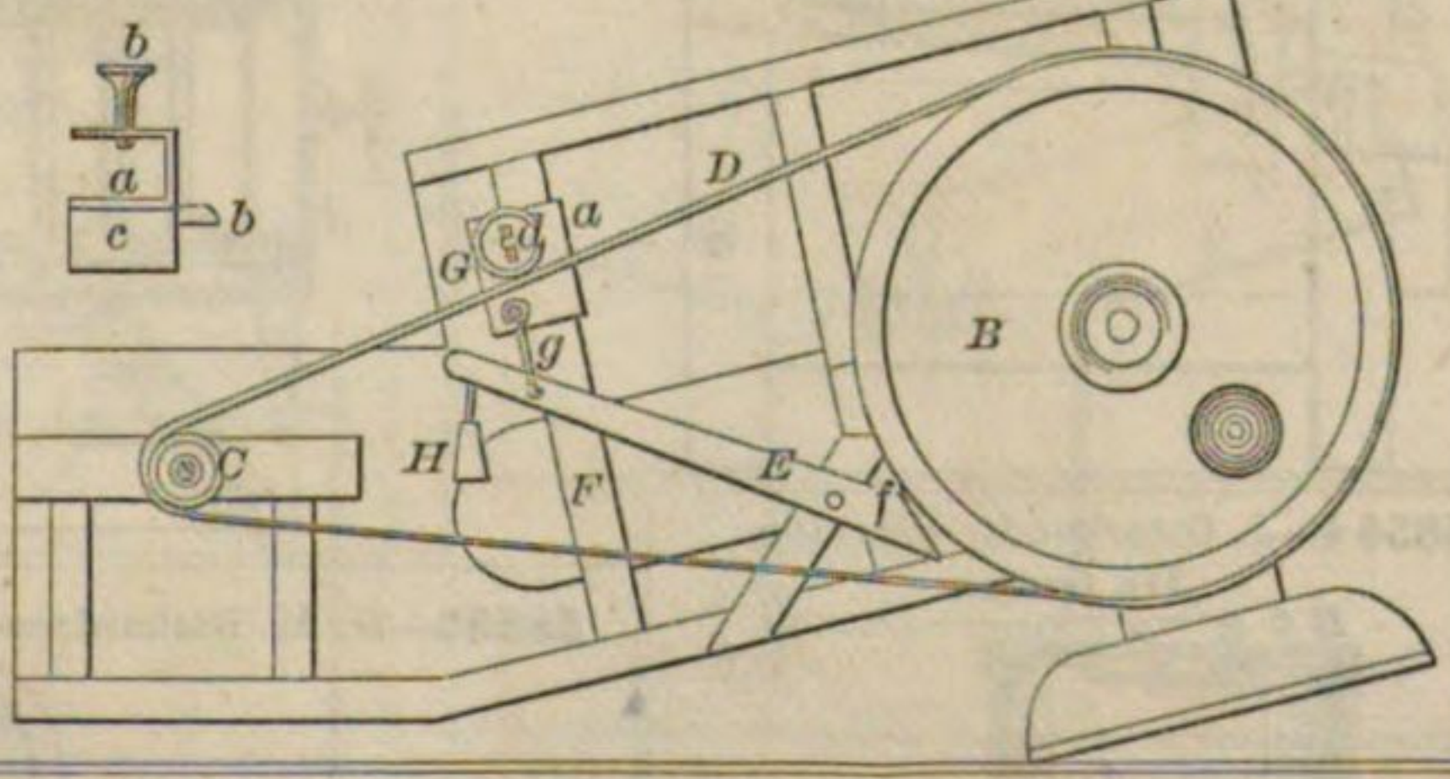
58545—R. L. Hall—*Bed Bottom.*



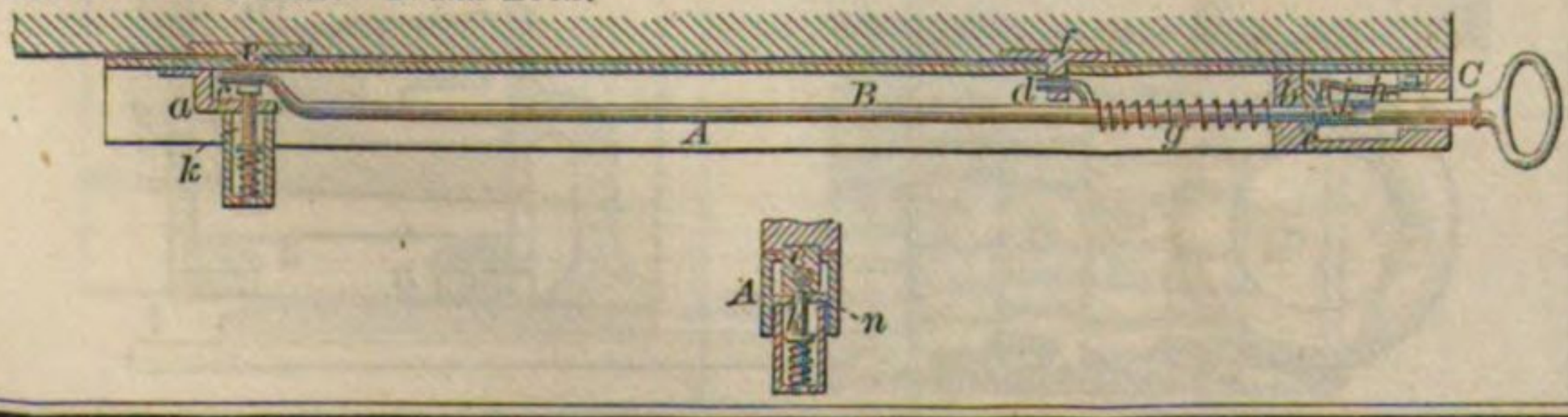
58544—I. T. Green—*Hat Pressing Machine.*



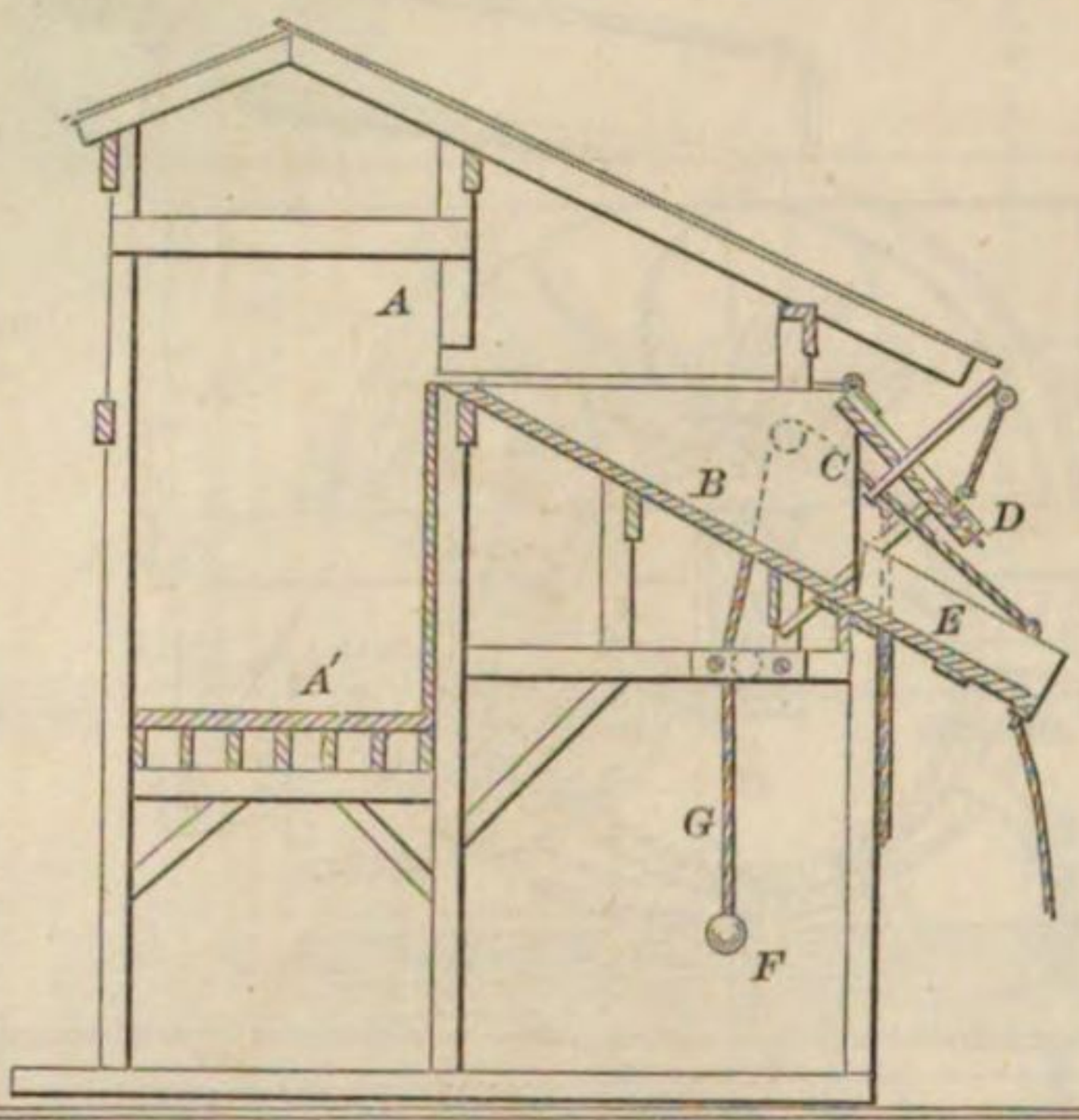
58547—Hull & Anderson—*Horse Power Brake.*



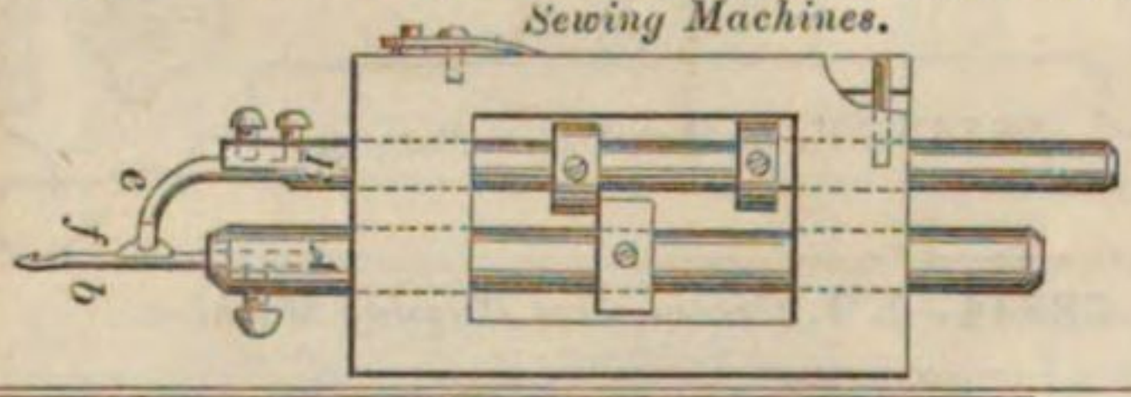
58548—J. G. Kast—*Trunk Lock.*



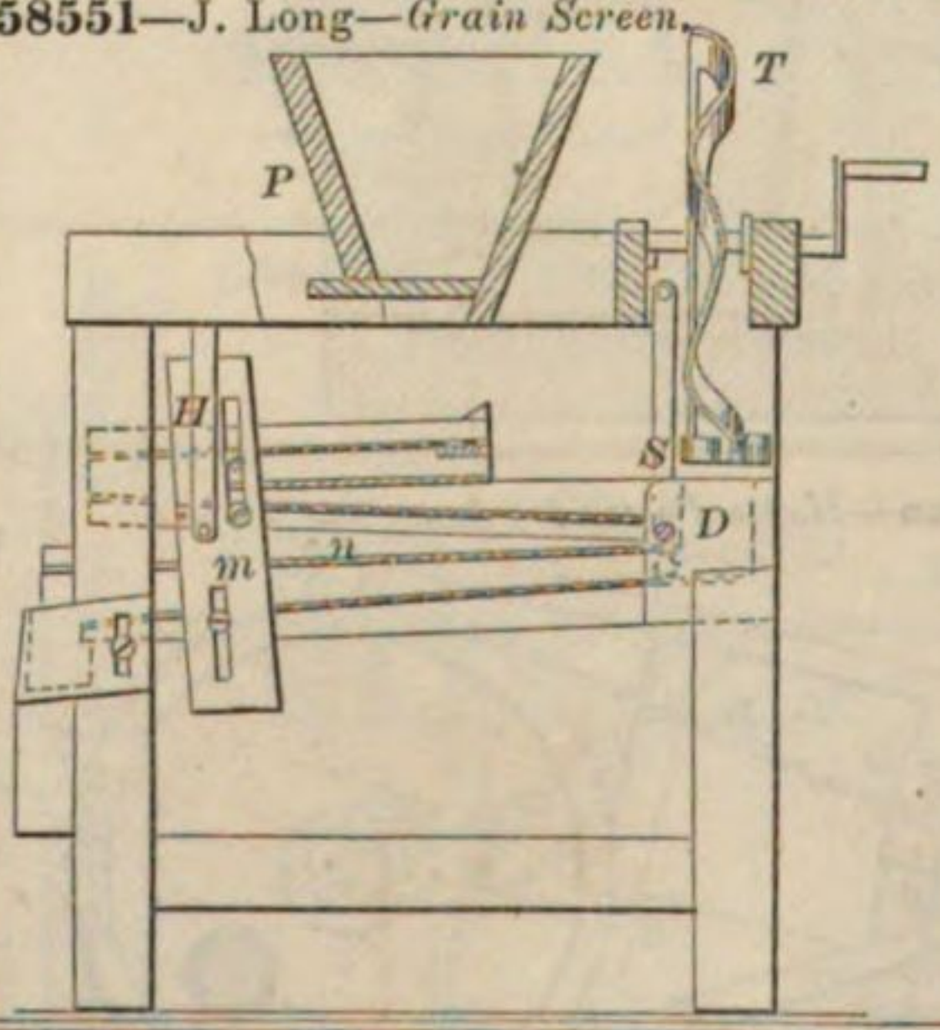
58549—E. R. Kerr—*Coal Dumping Apparatus.*



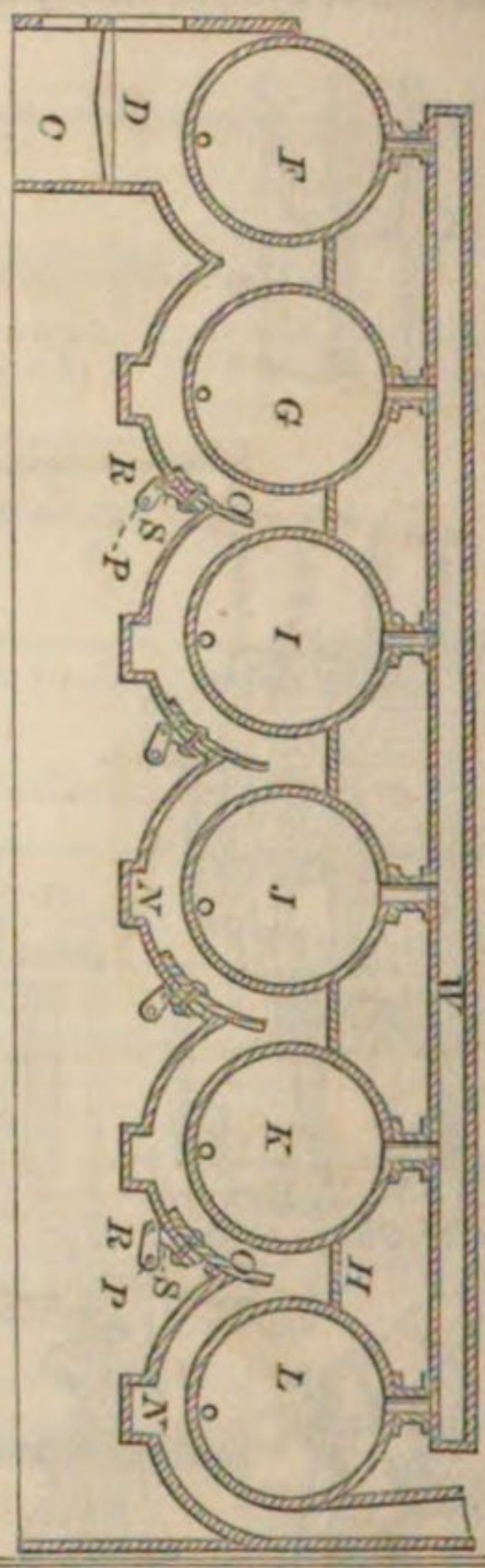
58550—C. E. Langmaid—*Cast-off of Waxed Thread Sewing Machines.*



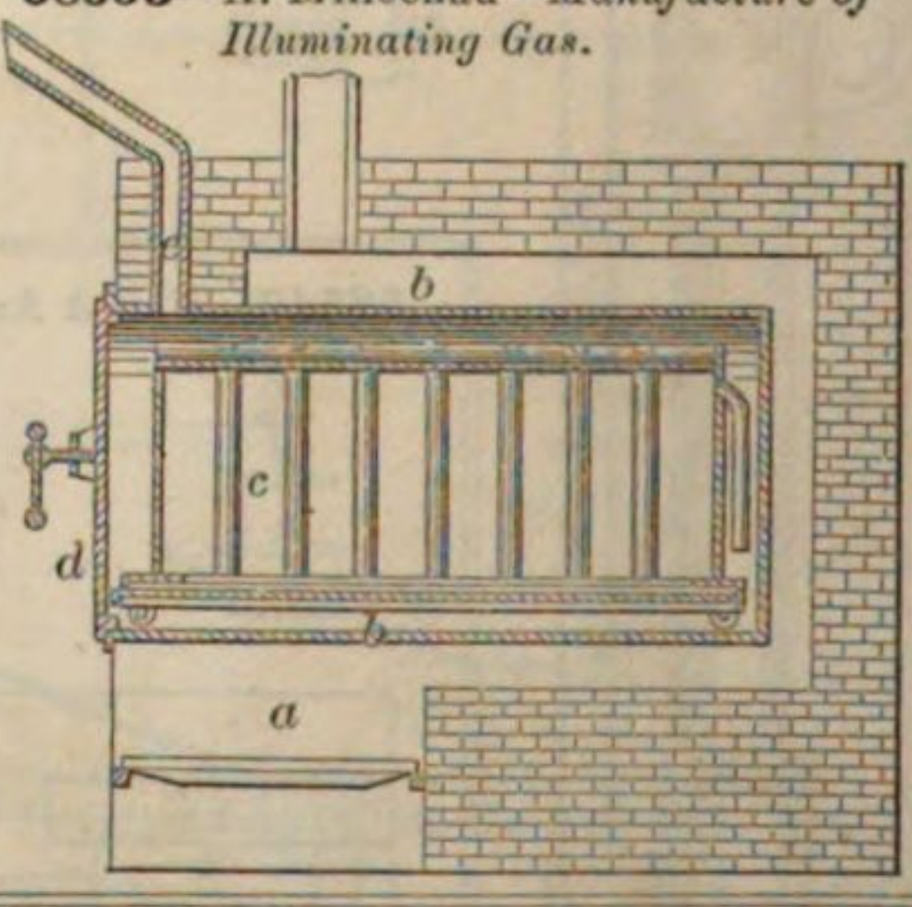
58551—J. Long—*Grain Screen.*



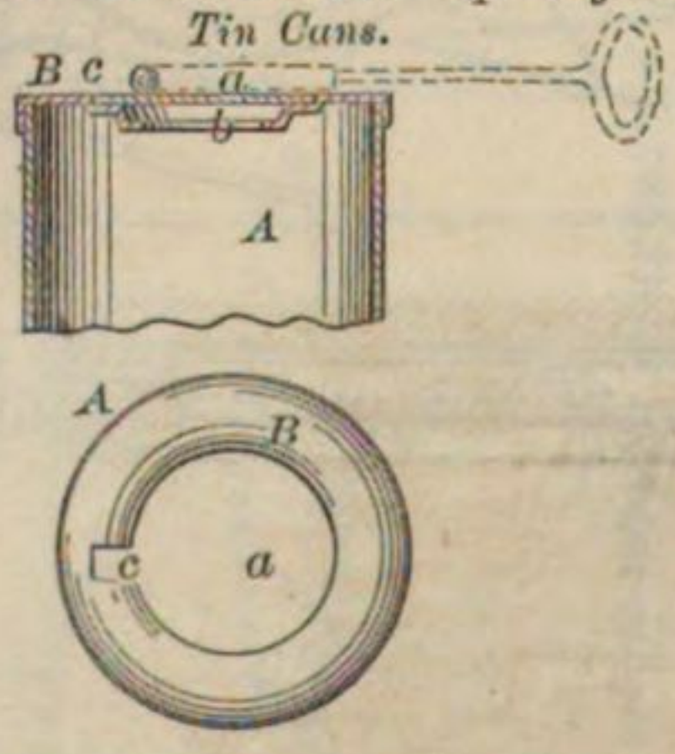
58552—H. Mc Clure—*Furnace and Boiler.*



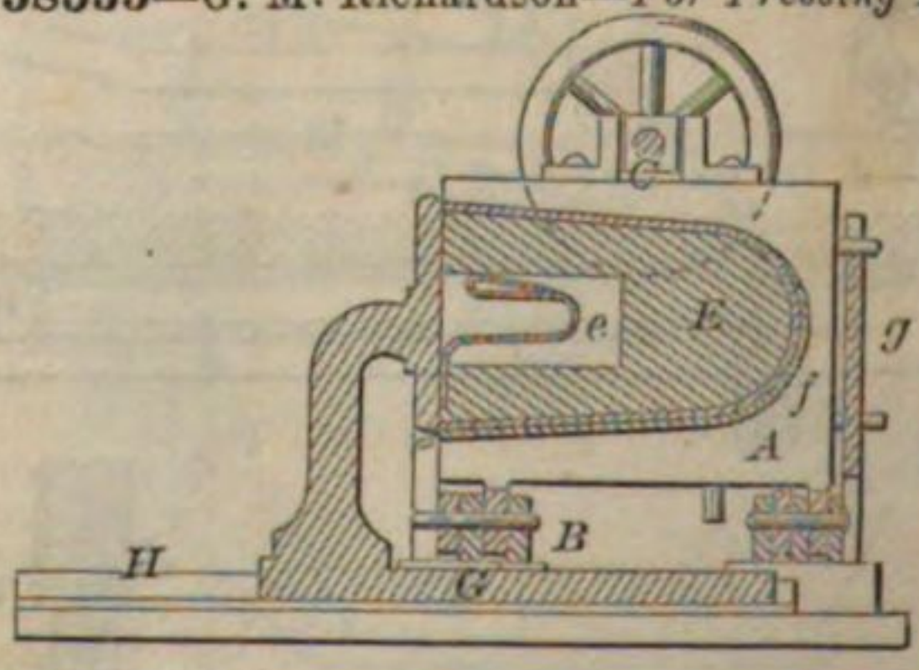
58553—A. Millochau—*Manufacture of Illuminating Gas.*



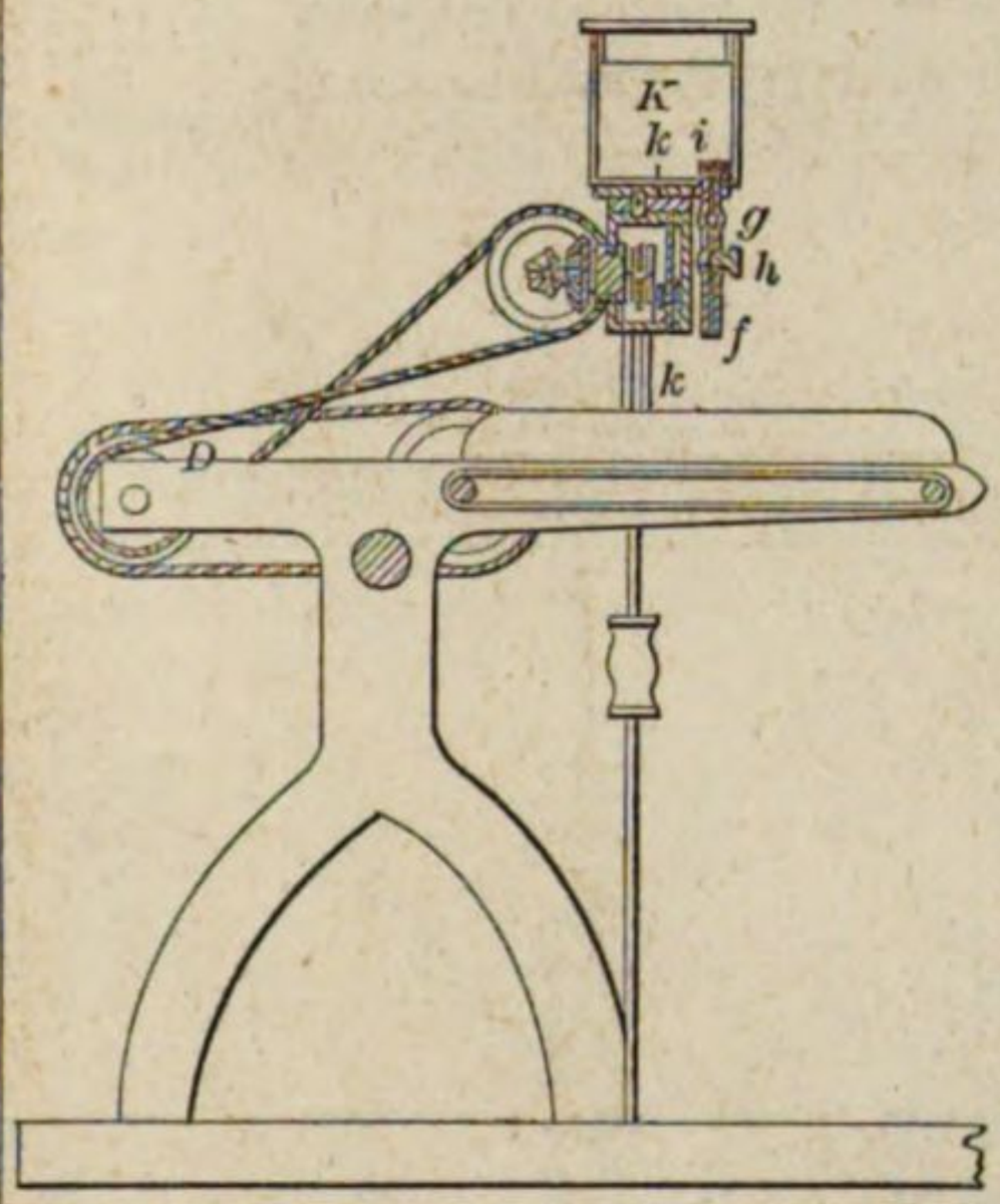
58554—J. Osterhondt—*Opening Tin Cans.*



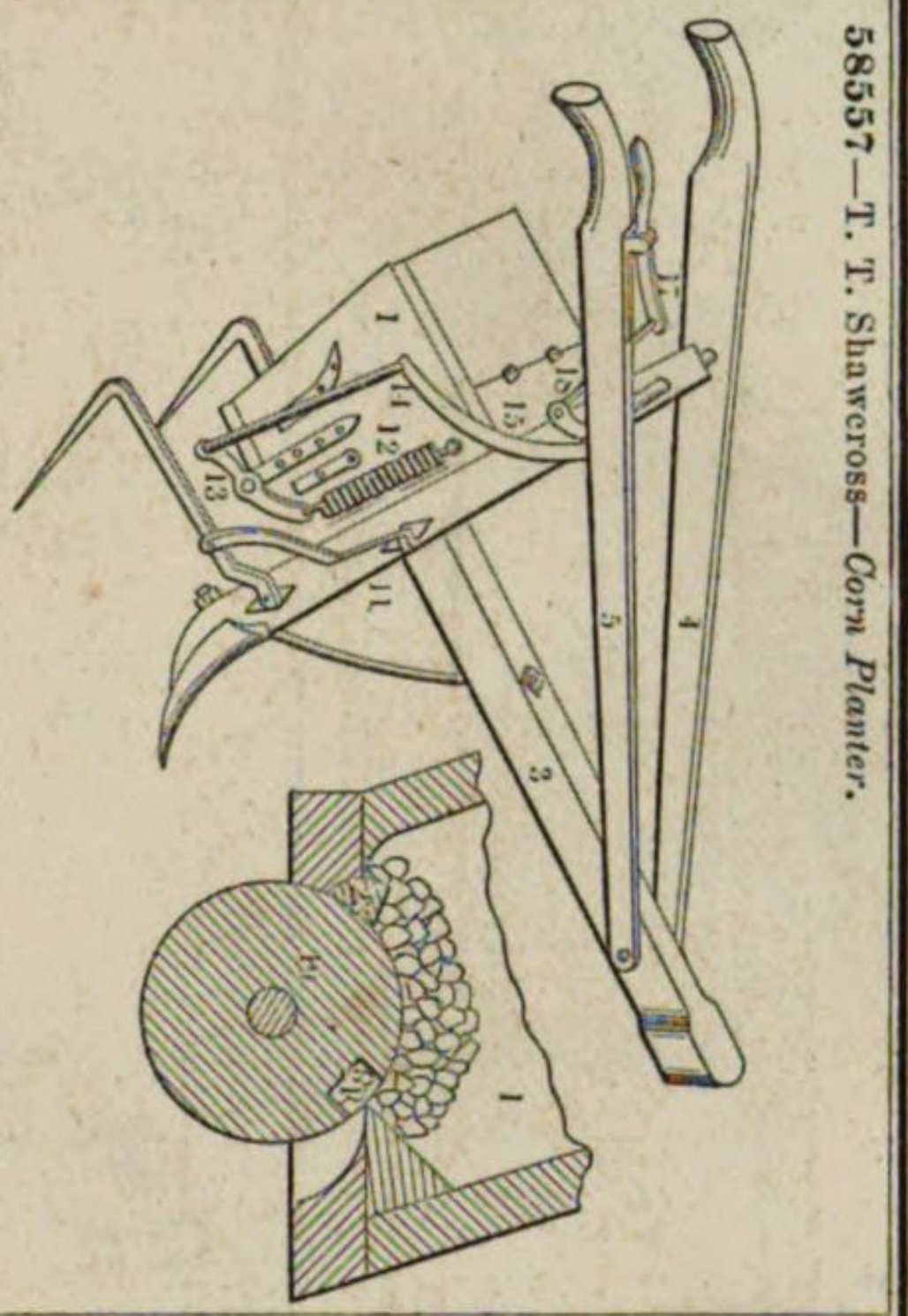
58555—G. M. Richardson—*For Pressing Bonnets.*



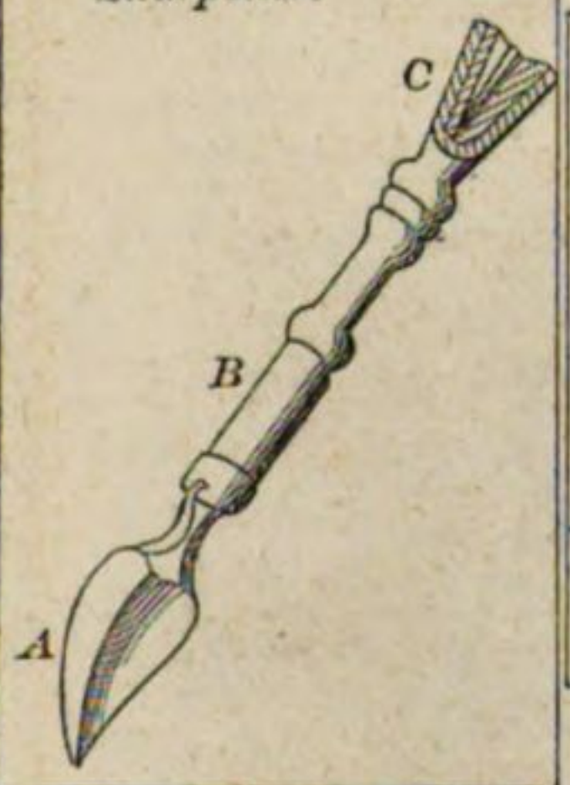
58556—W. H. Salisbury—*Wool Oiling Machinery.*



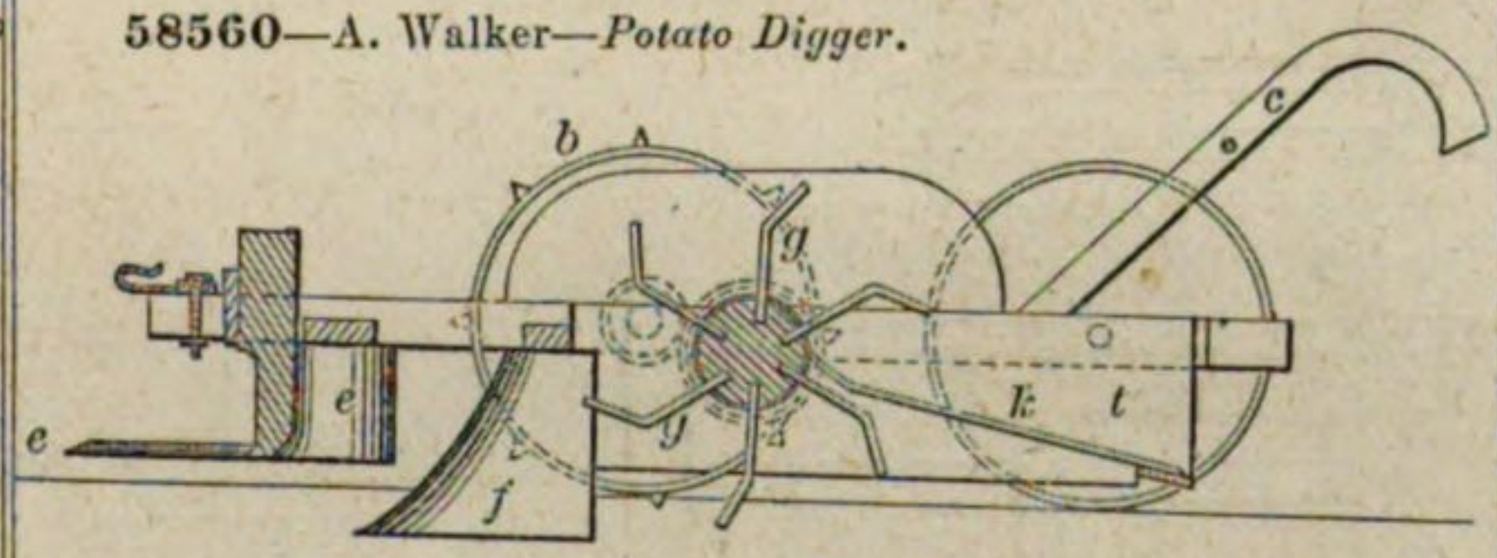
58557—T. T. Shawcross—*Corn Planter.*



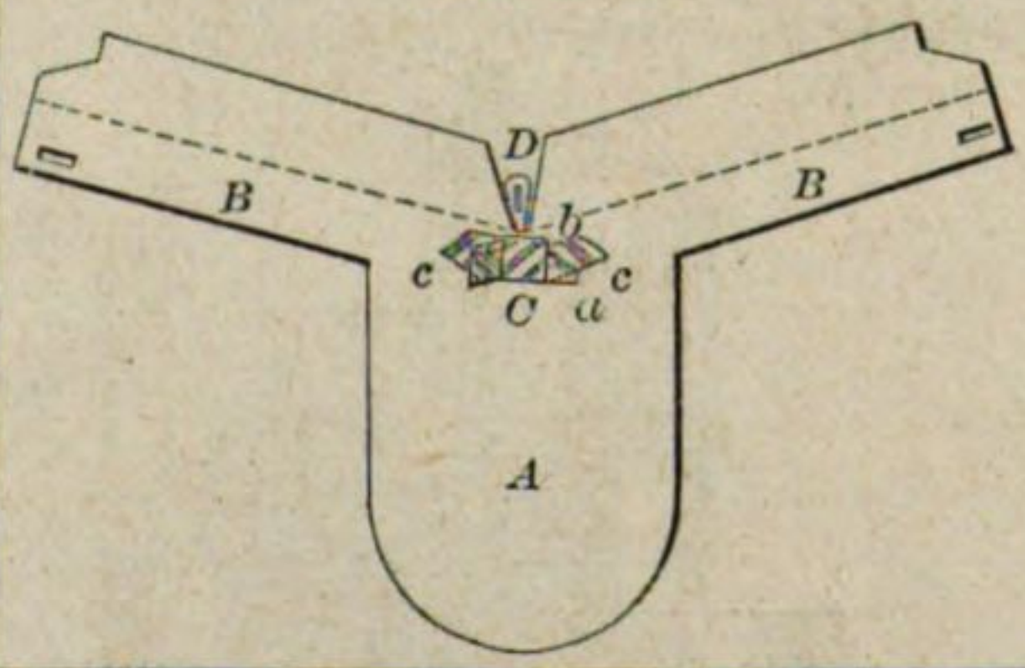
58558—C. D. Smith—*Eraser and Pencil Sharpener.*



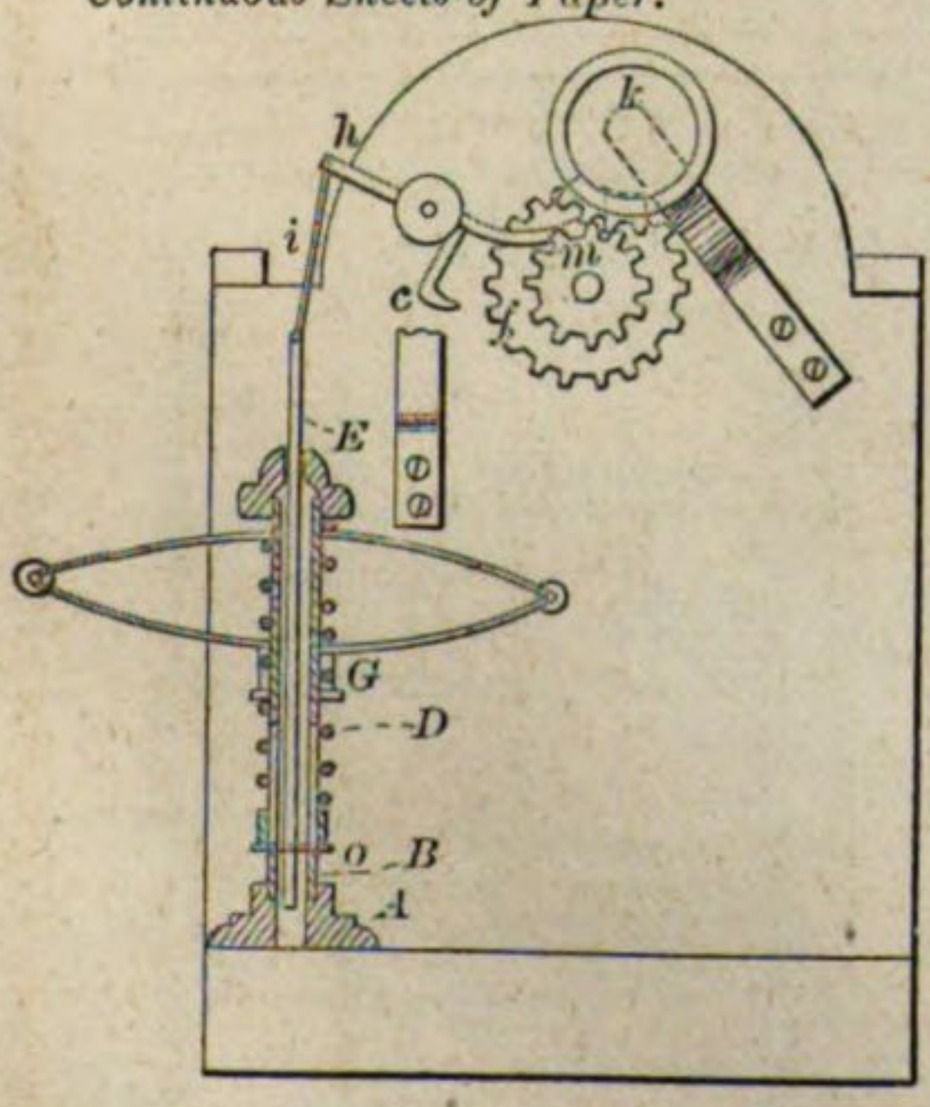
58560—A. Walker—*Potato Digger.*



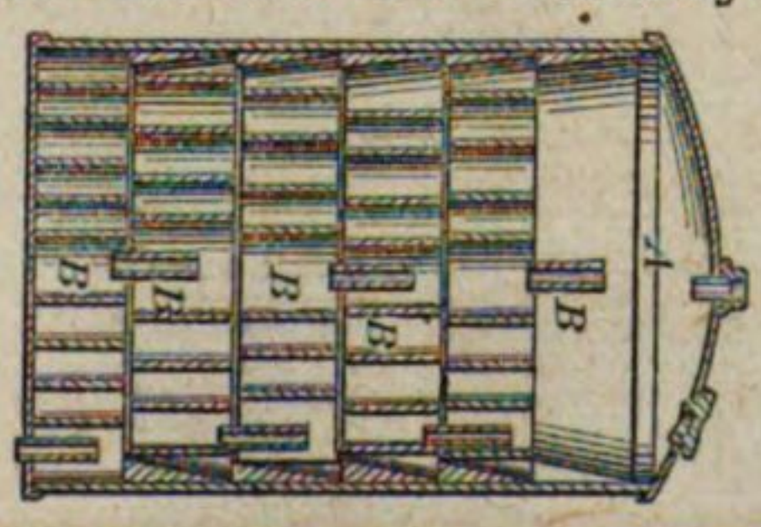
58561—G. V. Woods—*Neck Tie, Collar, and Bosom.*



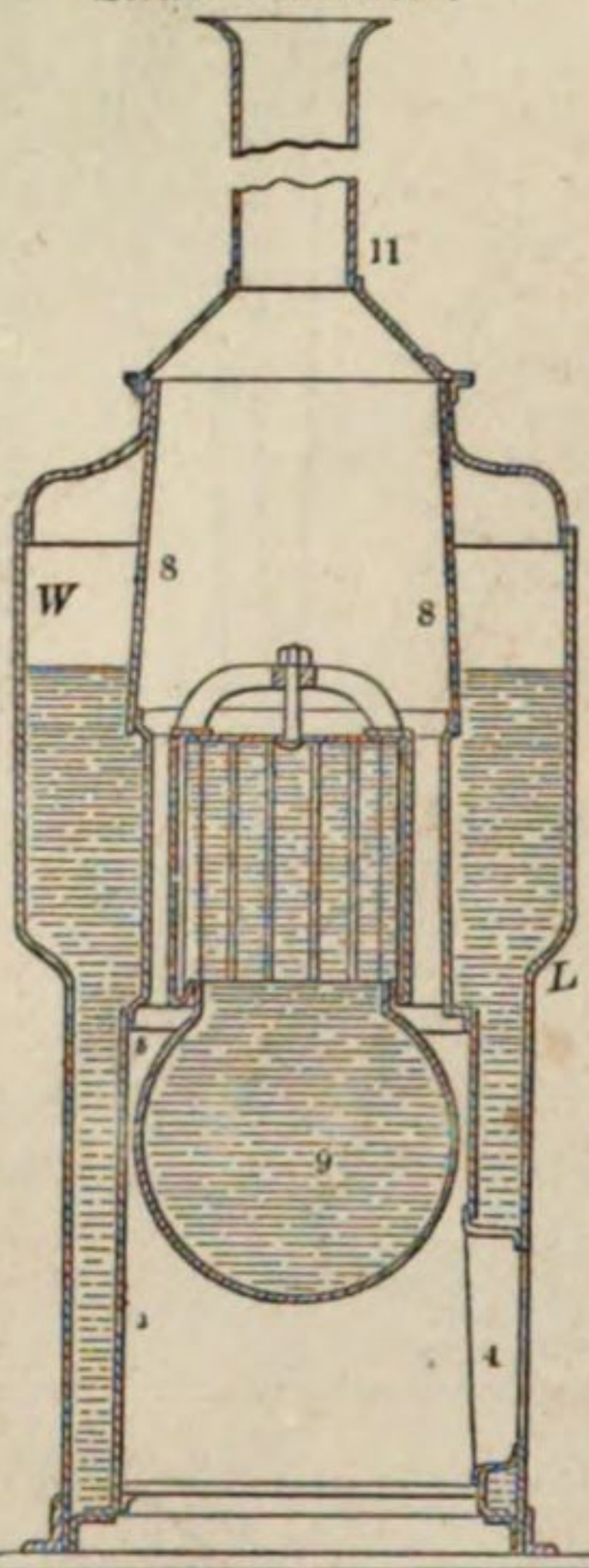
58563—G. Keeble—*For Cutting Continuous Sheets of Paper.*



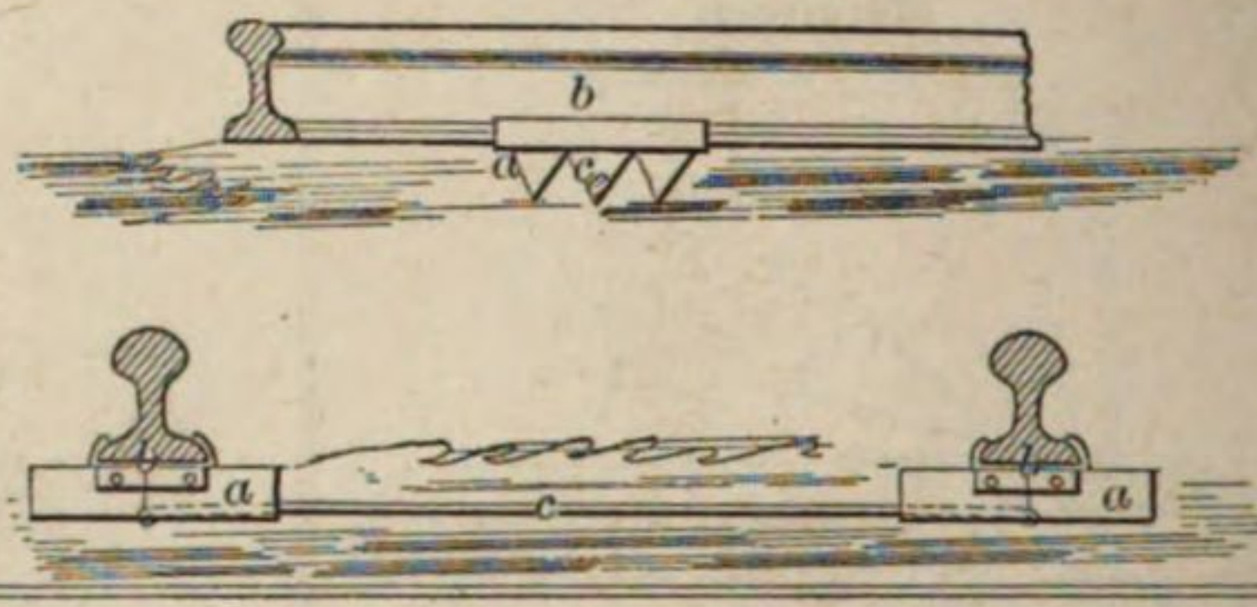
58559—L. Stevens—*For Carburetting Air.*



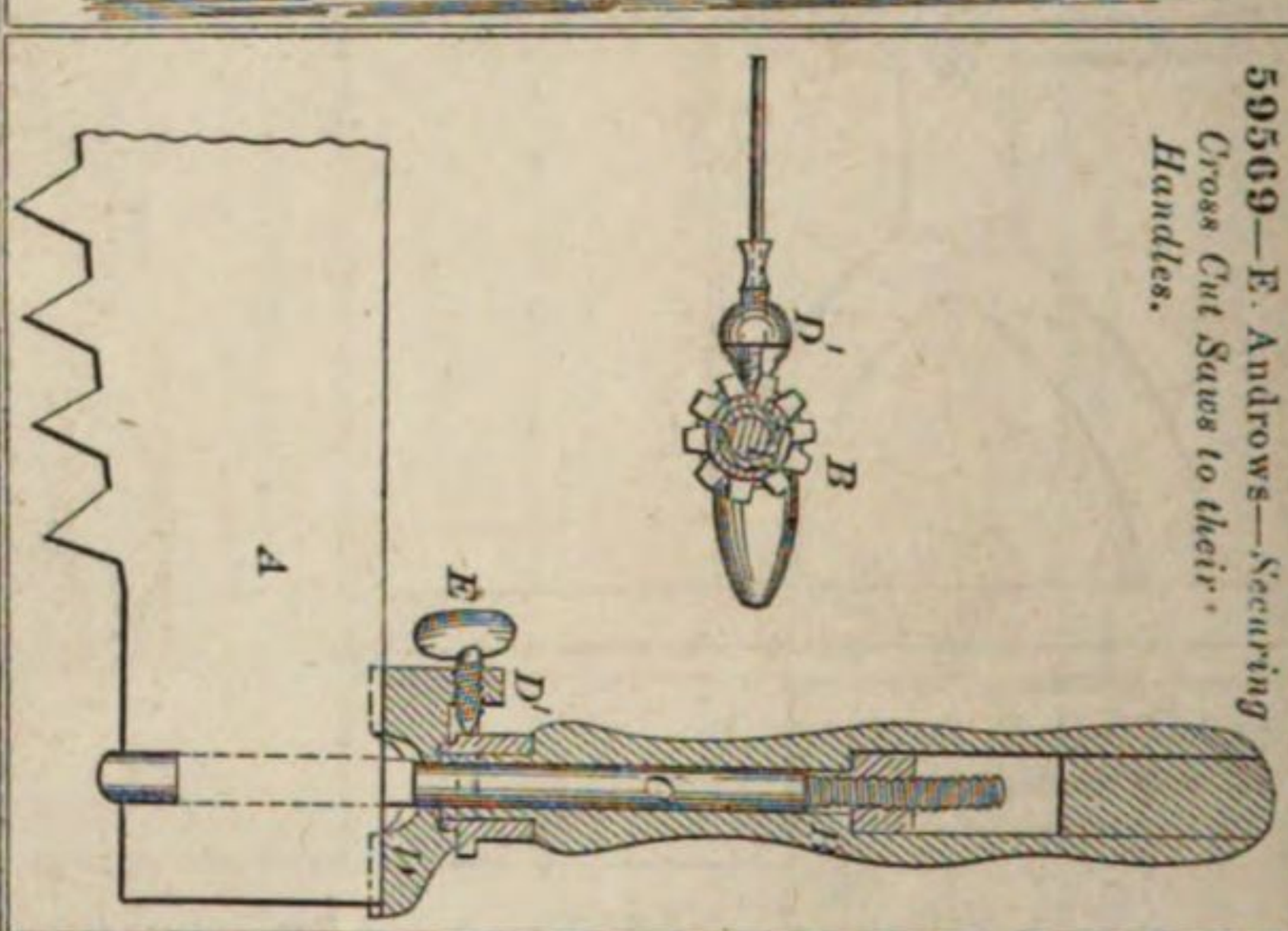
58564—R. W. Tompson—*Steam Generator.*



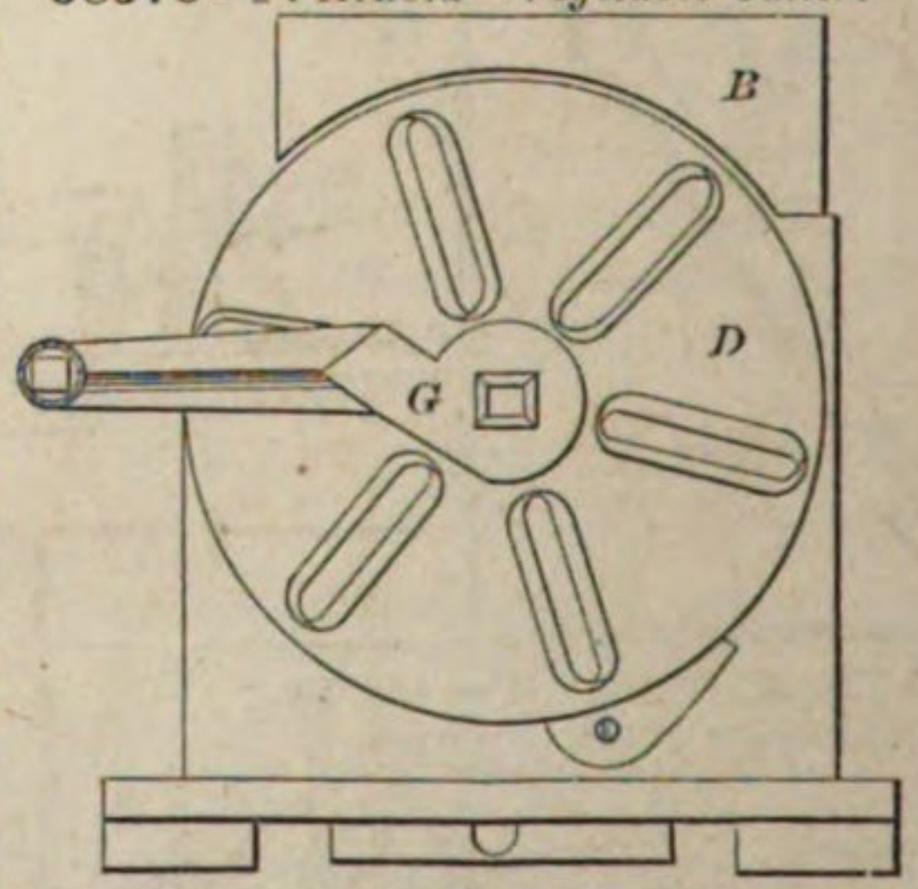
58565—S. Winkley—*Railway.*



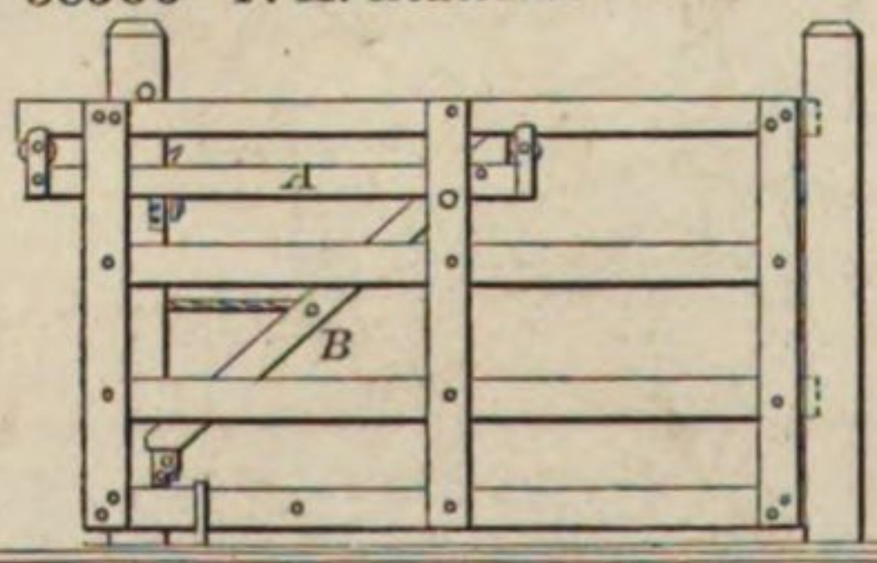
59569—E. Androws—*Securing Cross Cut Saws to their Handles.*



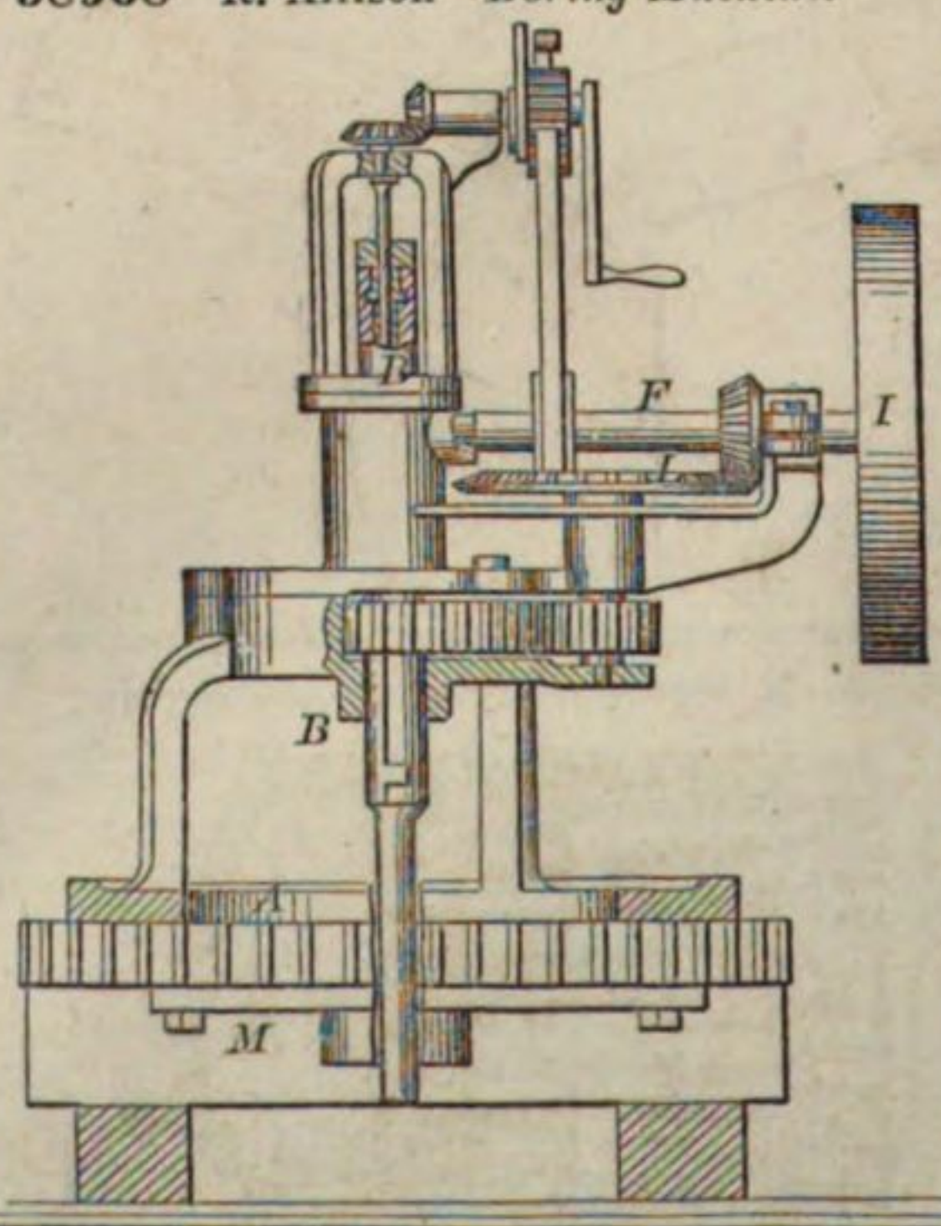
58570—F. Arnold—*Vegetable Cutter.*



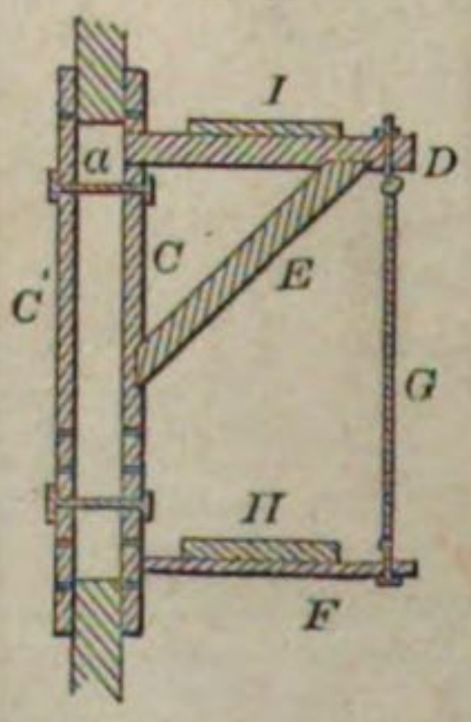
58566—P. M. Ackerman—*Gate.*



58568—R. Allison—*Boring Machine.*

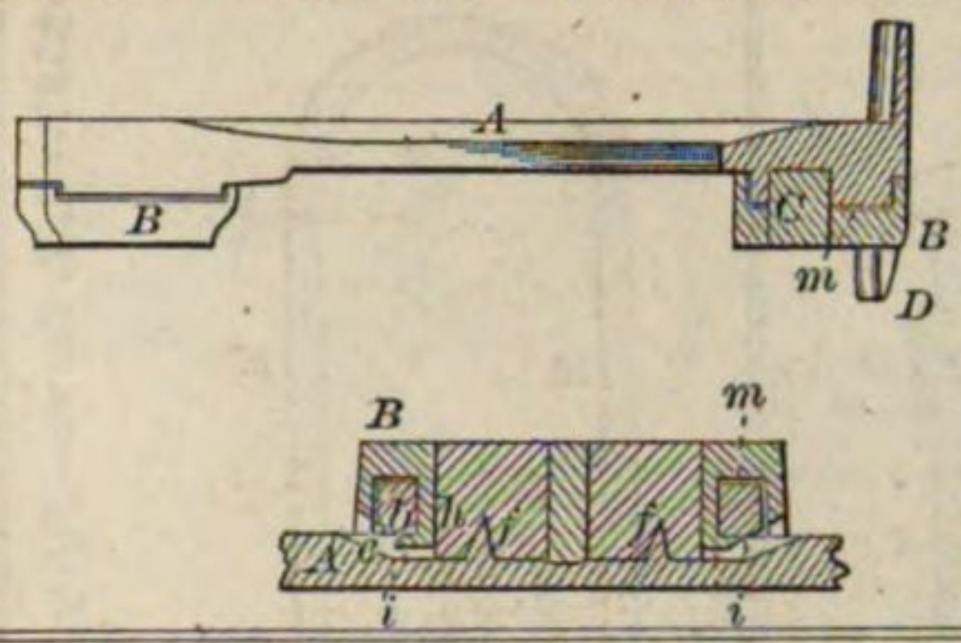


58571—W. Arrouquier—*Staging.*

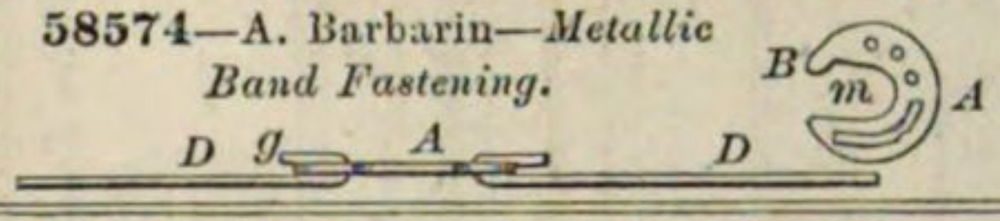


58572—E. Dwight—*Pen Holder.*

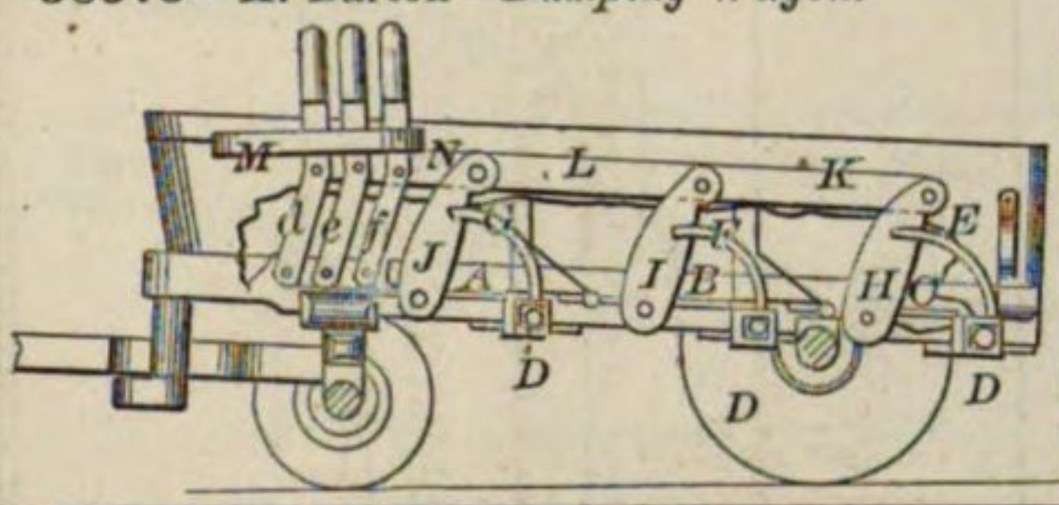
58573—H. H. Baker—*Horse Shoe.*



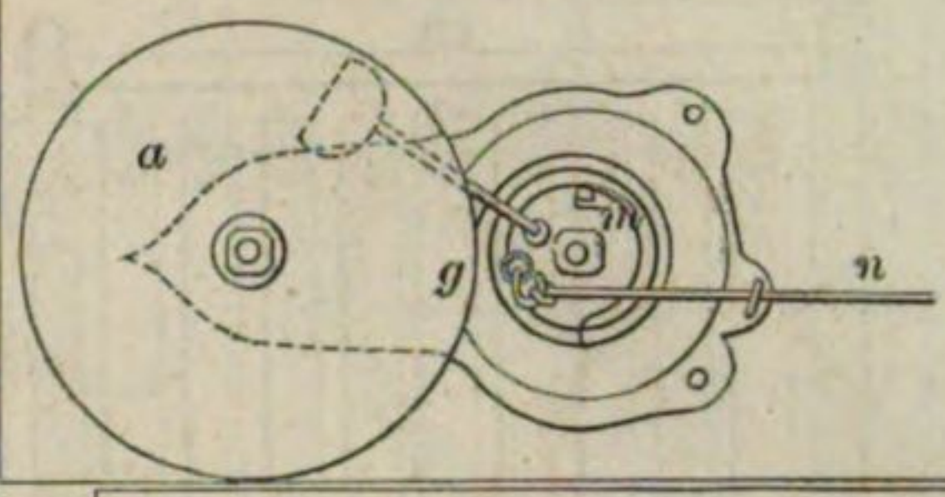
58574—A. Barbarin—*Metallic Band Fastening.*



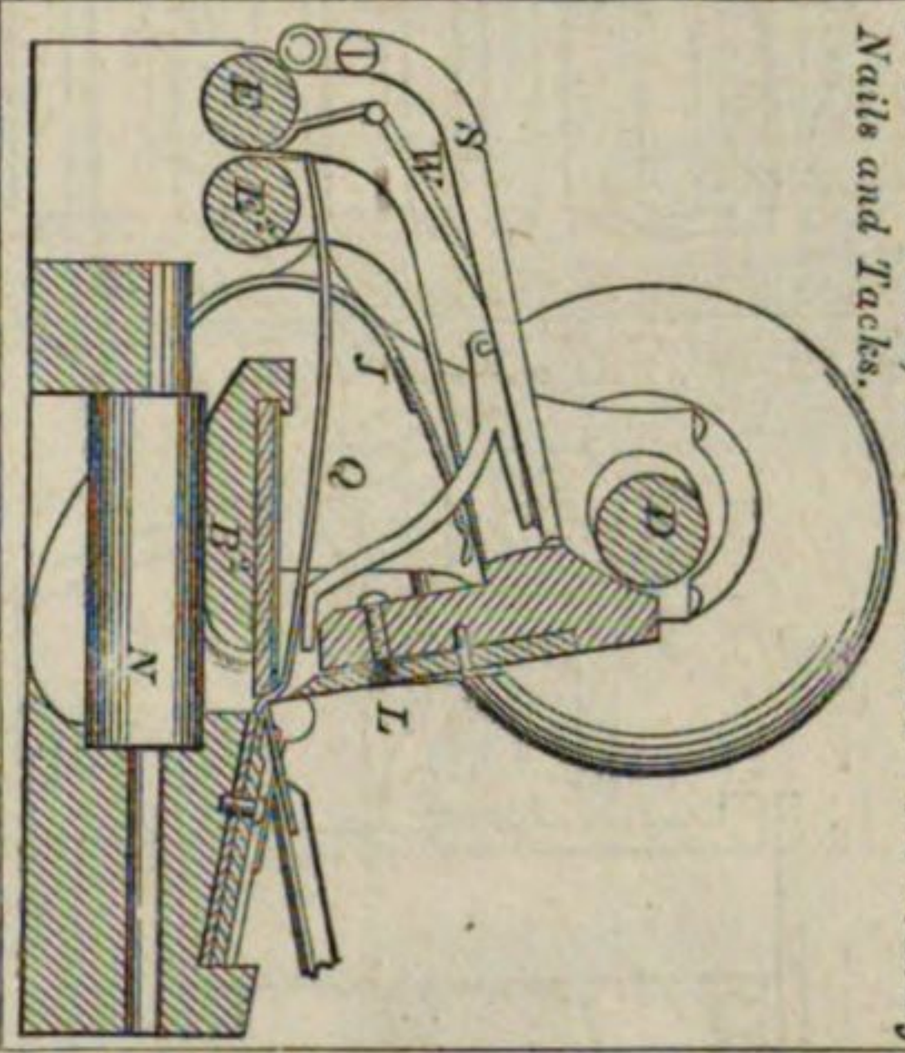
58575—H. Barton—*Dumping Wagon.*



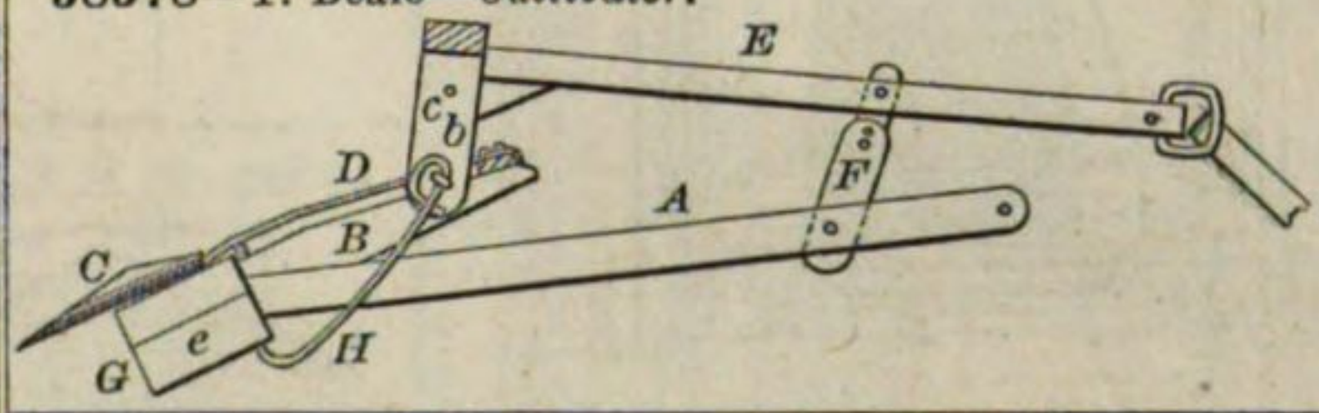
58576—H. Barton—*House Bell.*



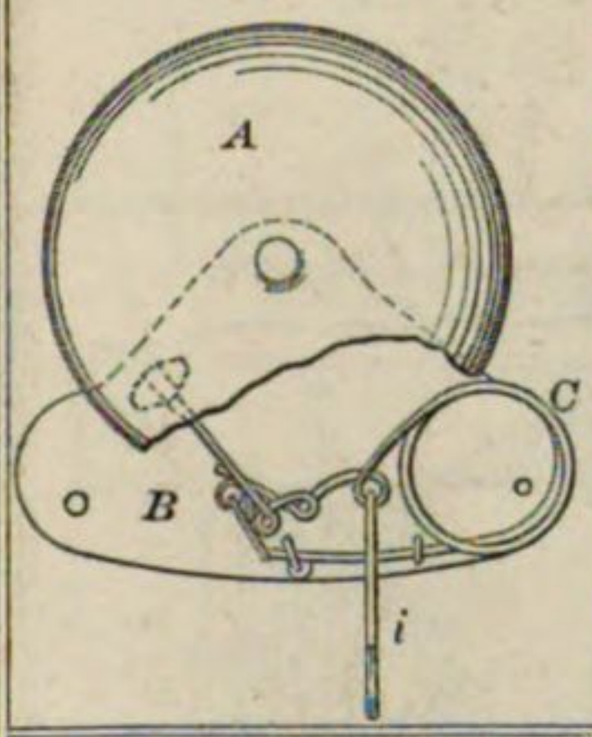
58577—Bassett, Bearse & Wilber—*For Making Nails and Tacks.*



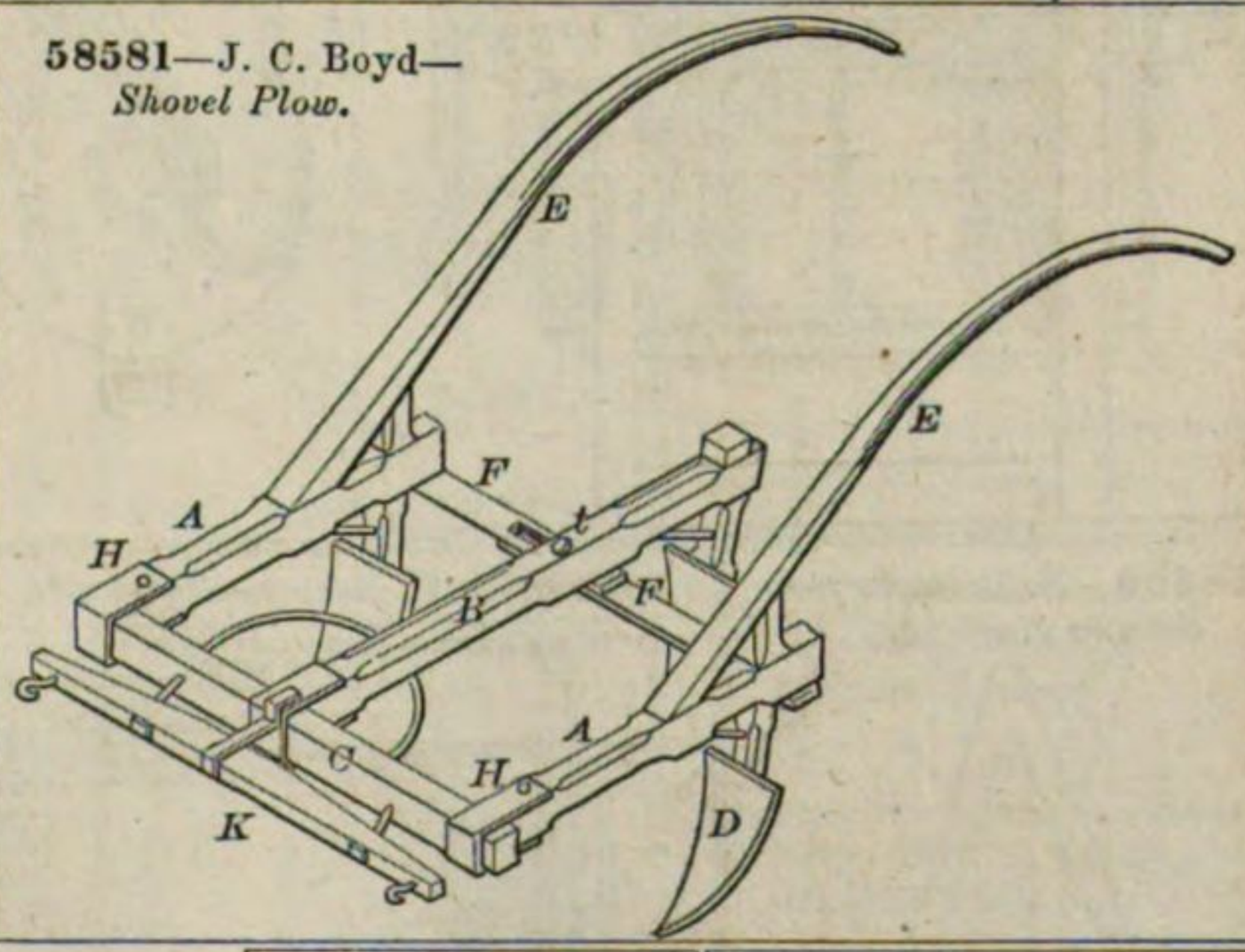
58578—T. Beale—*Cultivator.*



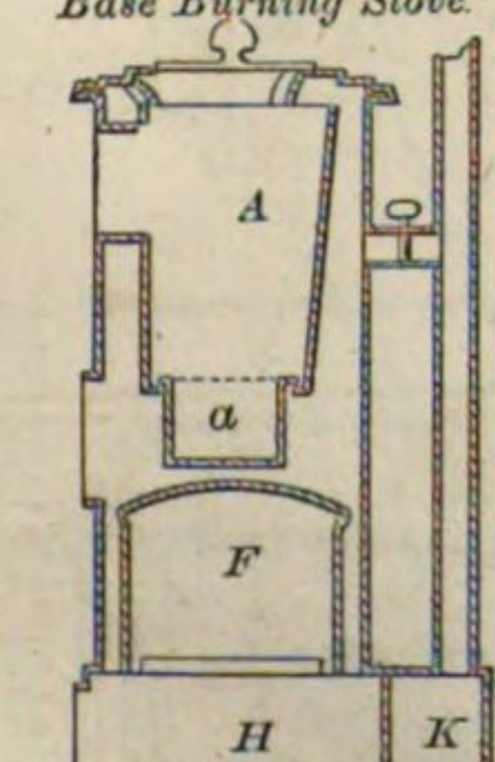
58580—I. A. Bevin—*Gong Bell.*



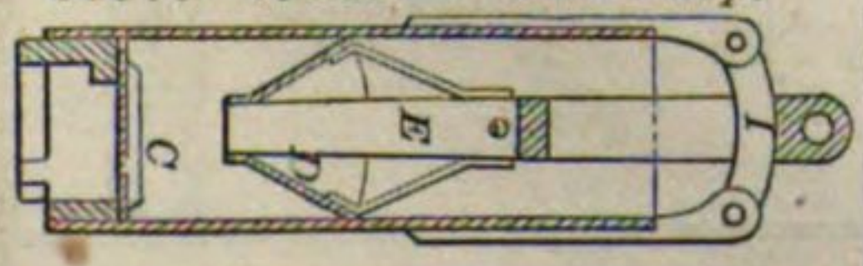
58581—J. C. Boyd—*Shovel Plow.*



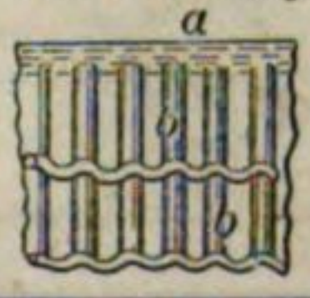
58582—N. A. Boynton—*Base Burning Stove.*



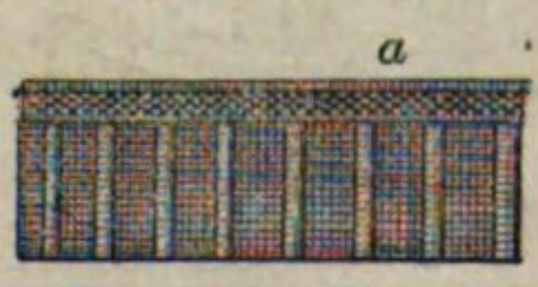
58579—J. Benson—*Sand Pump.*



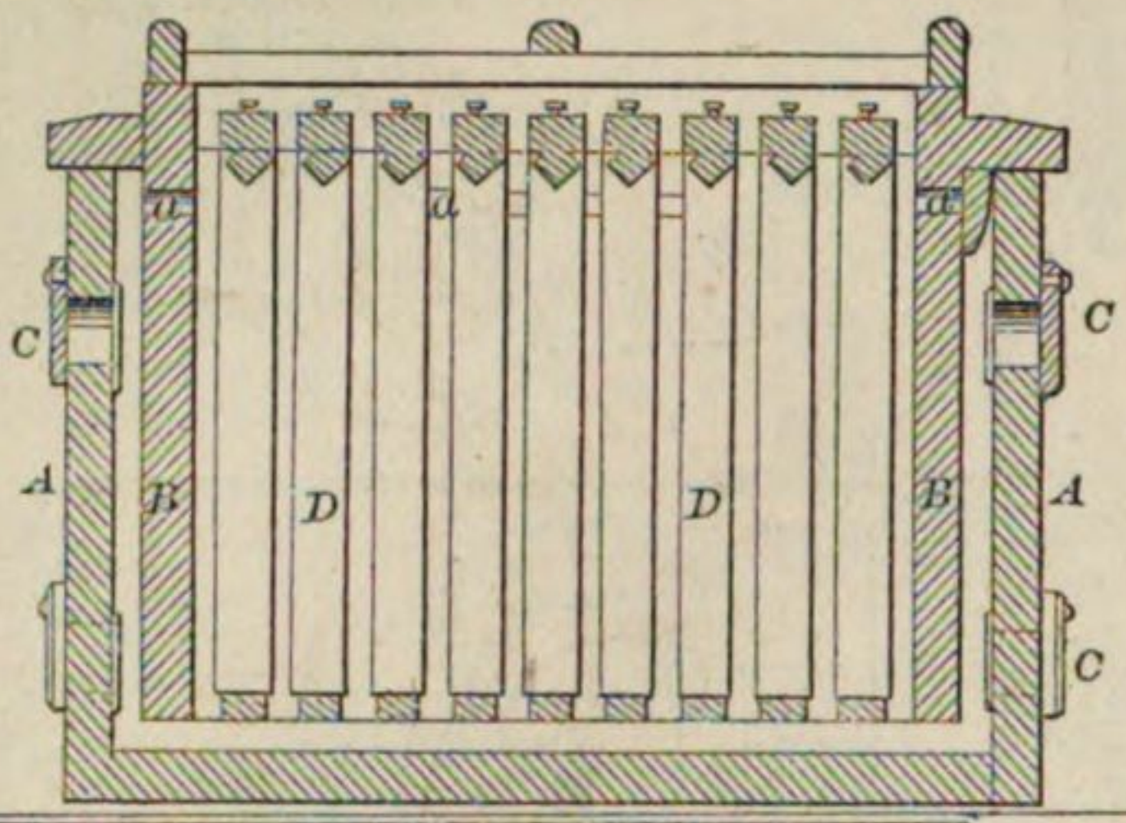
58583—E. Bredt—*Galloon Trimming.*



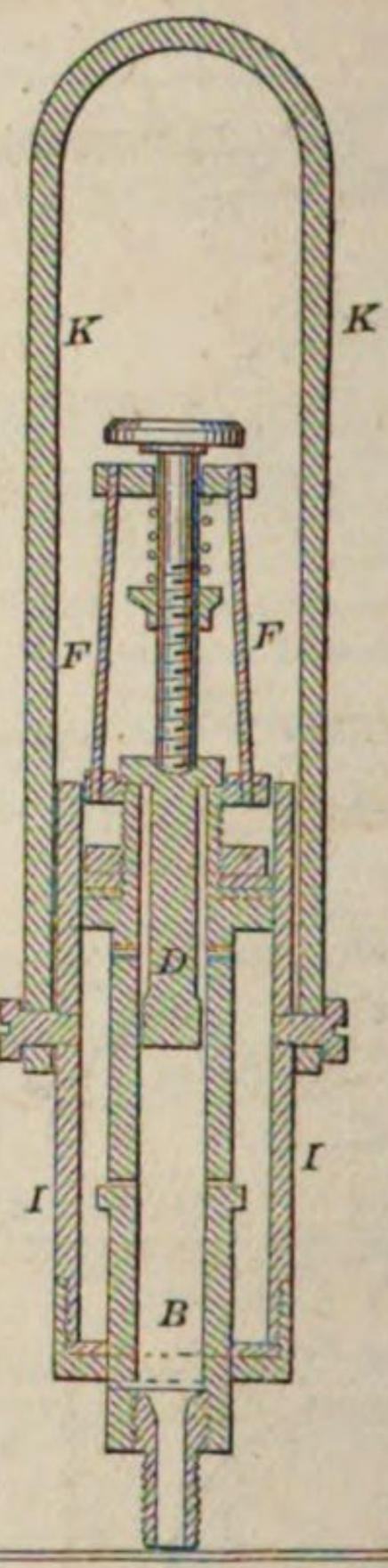
58584—E Bredt—*Galloon Trimming.*



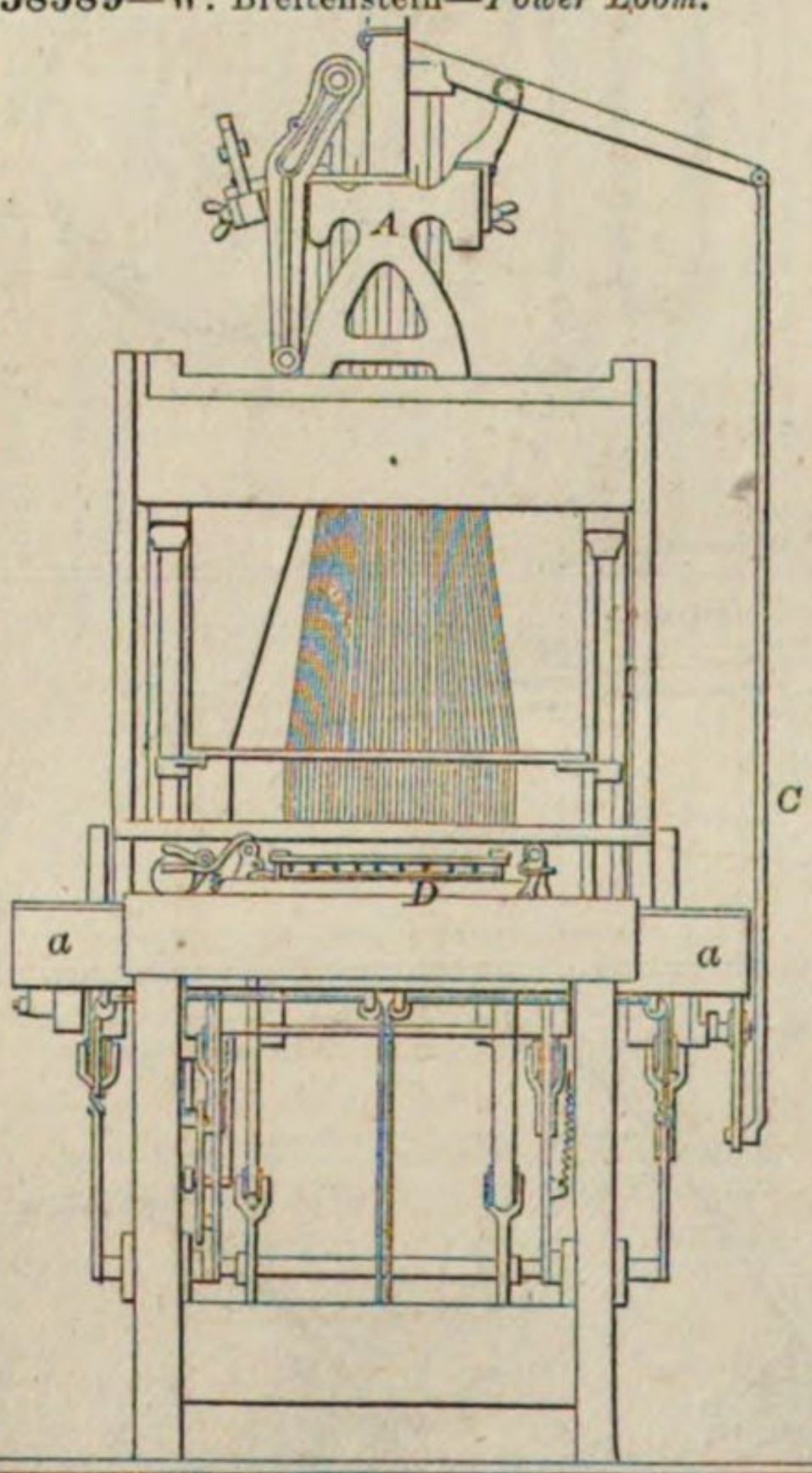
58585—Bristol & Alverson—*Beehive.*



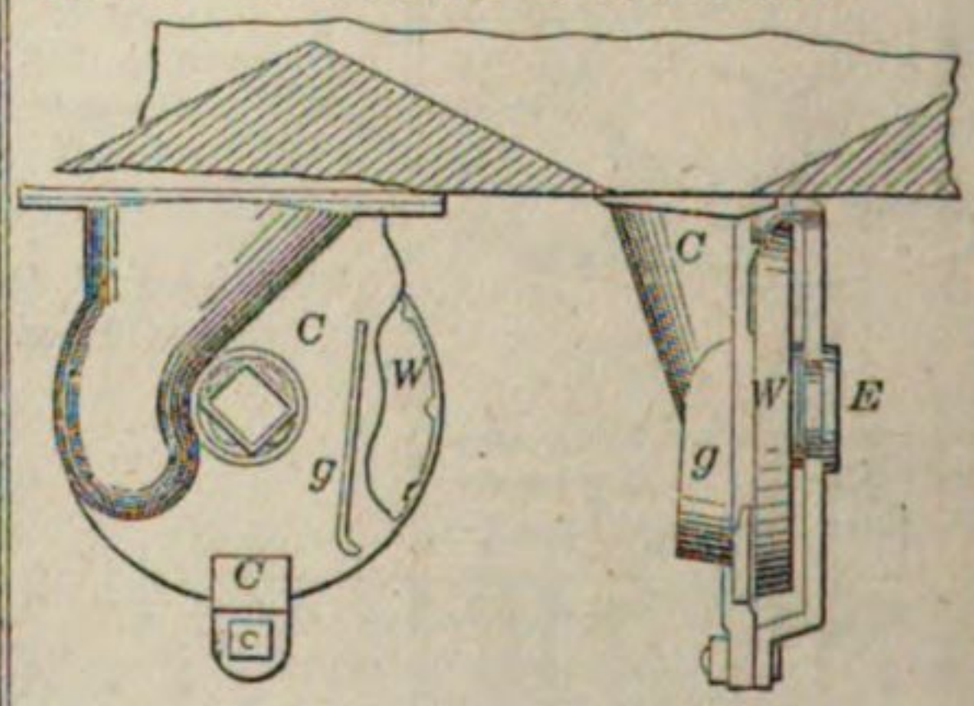
58587—C. F. Brown—*Safety Valve Tender.*



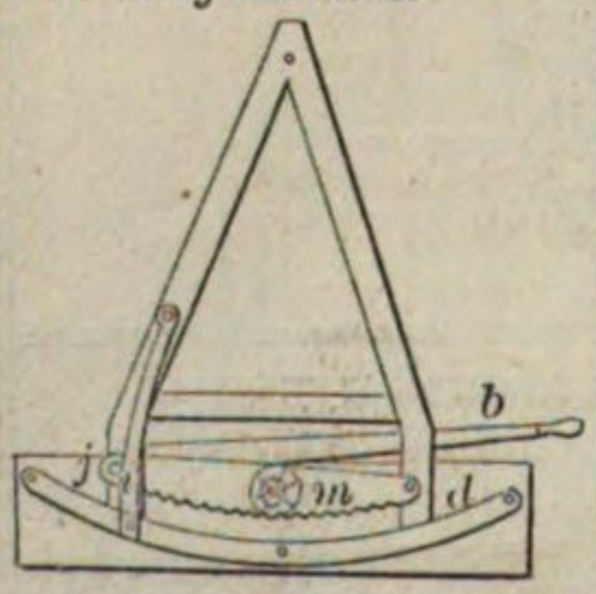
58589—W. Breitenstein—*Power Loom.*



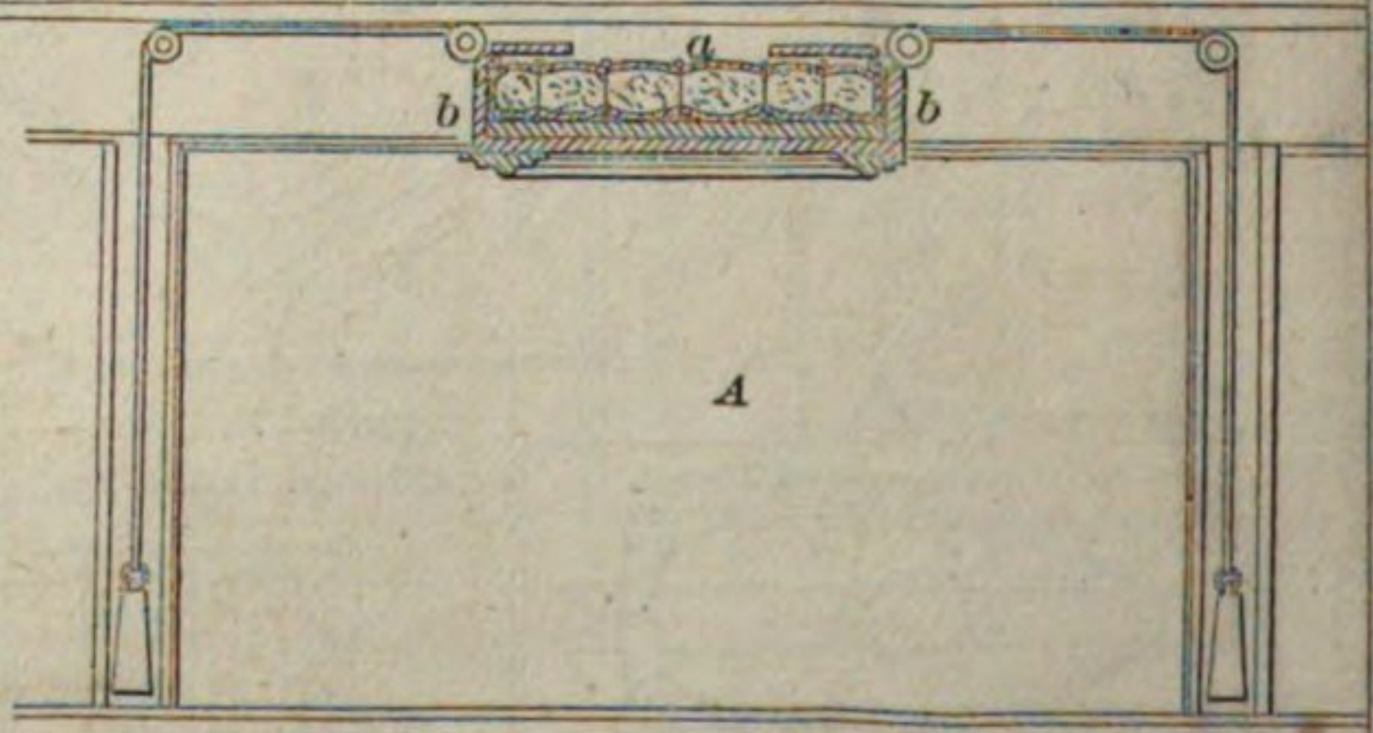
58588—C. P. Brown—*Seed Planter.*



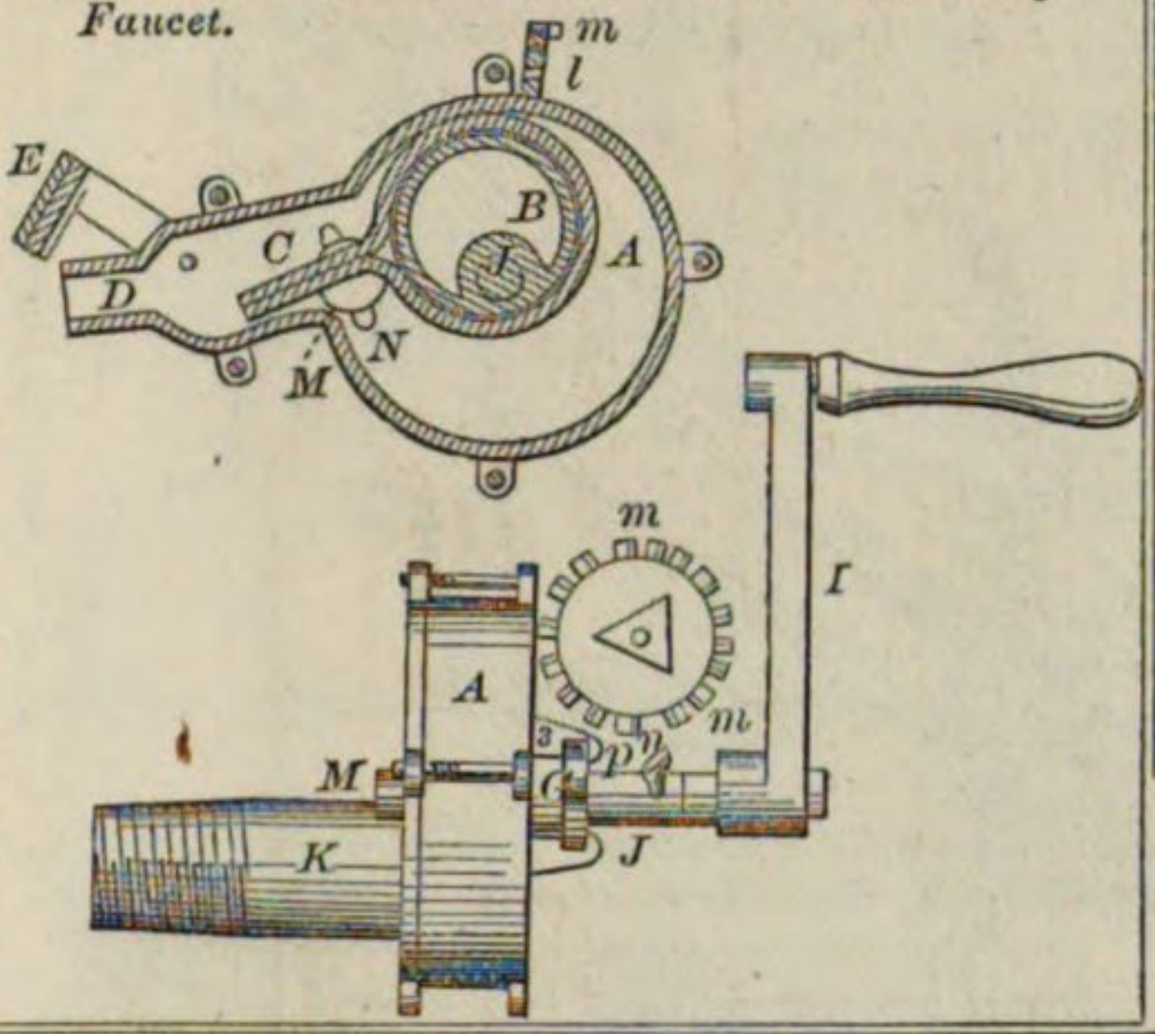
58586—N. Brockway—*Sawing Machine.*



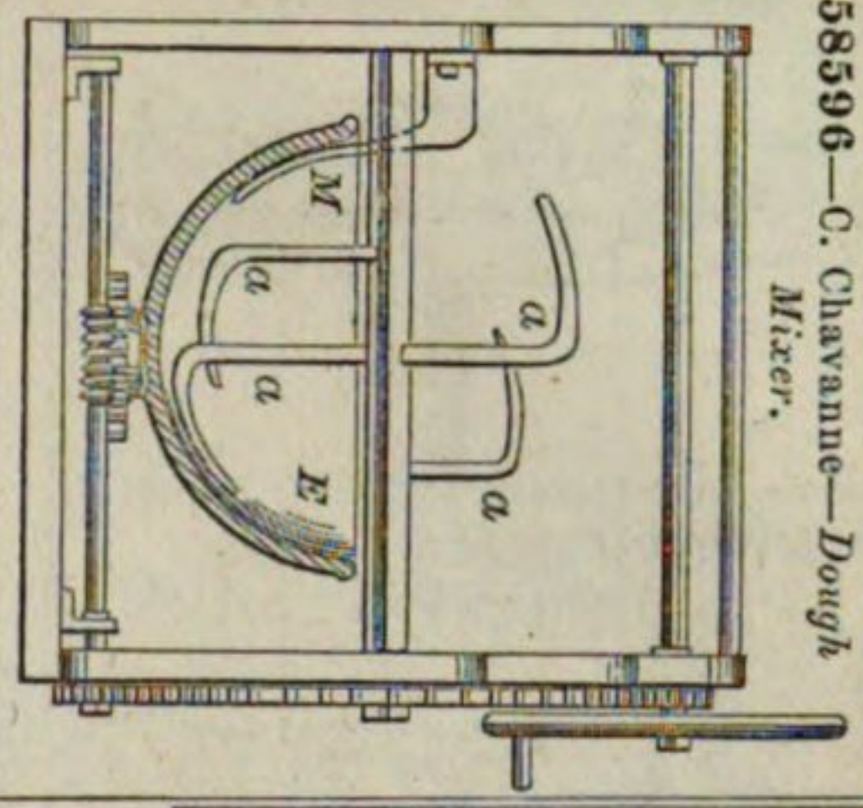
58590—J. P. Brown—*Bedstead.*



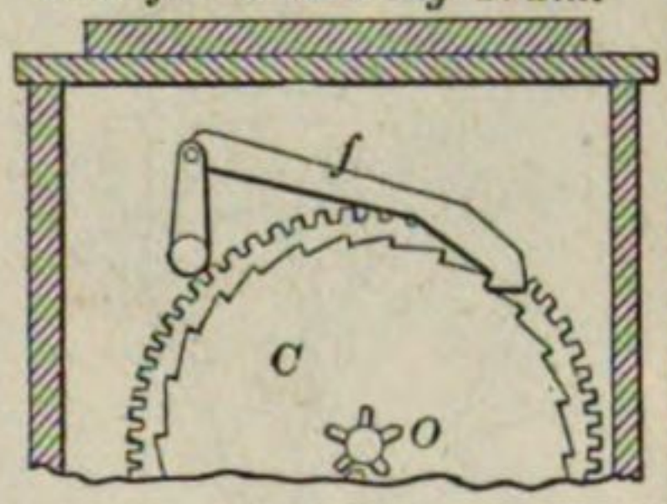
58592—H. L. & J. A. Buckwalter—*Measuring Faucet.*



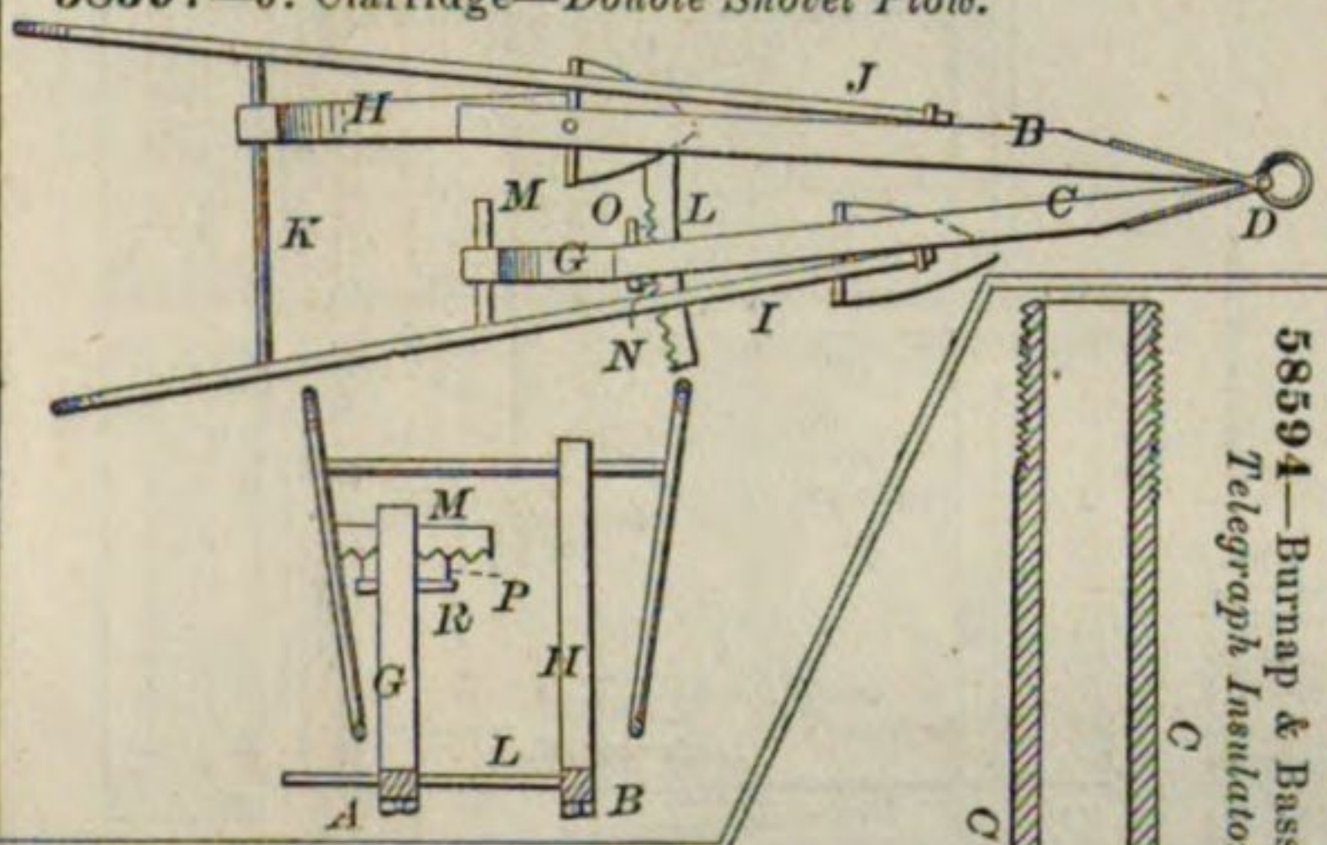
58596—C. Chavanne—*Dough Mixer.*



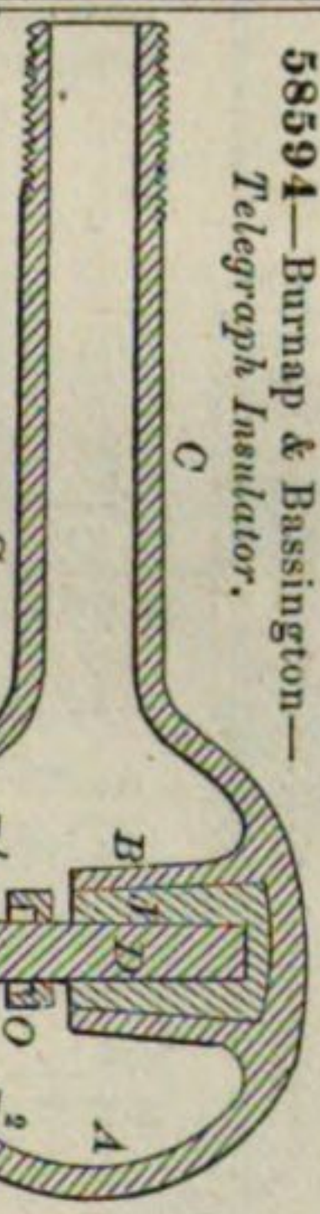
58593—A. J. Burke—*Tally Box for Measuring Grain.*

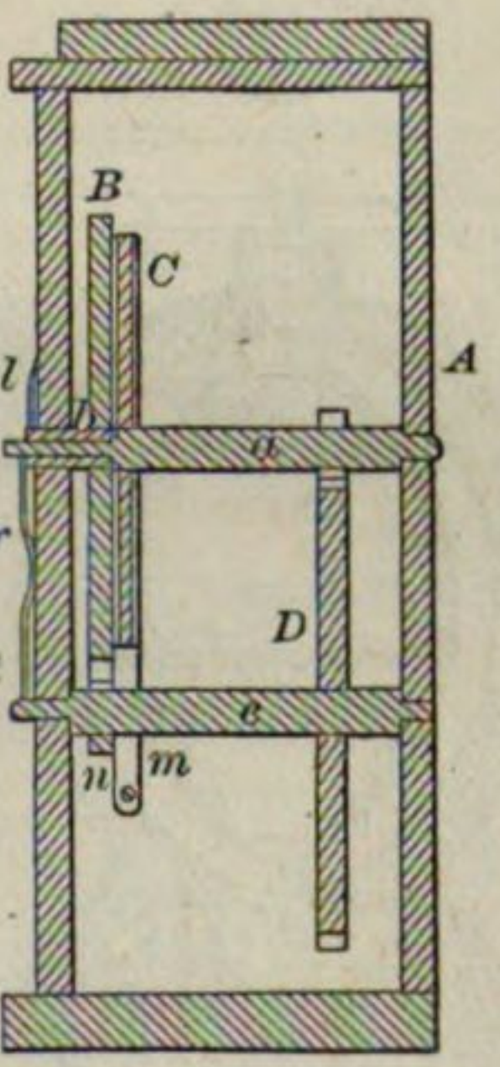


58597—J. Clarridge—*Double Shovel Plow.*

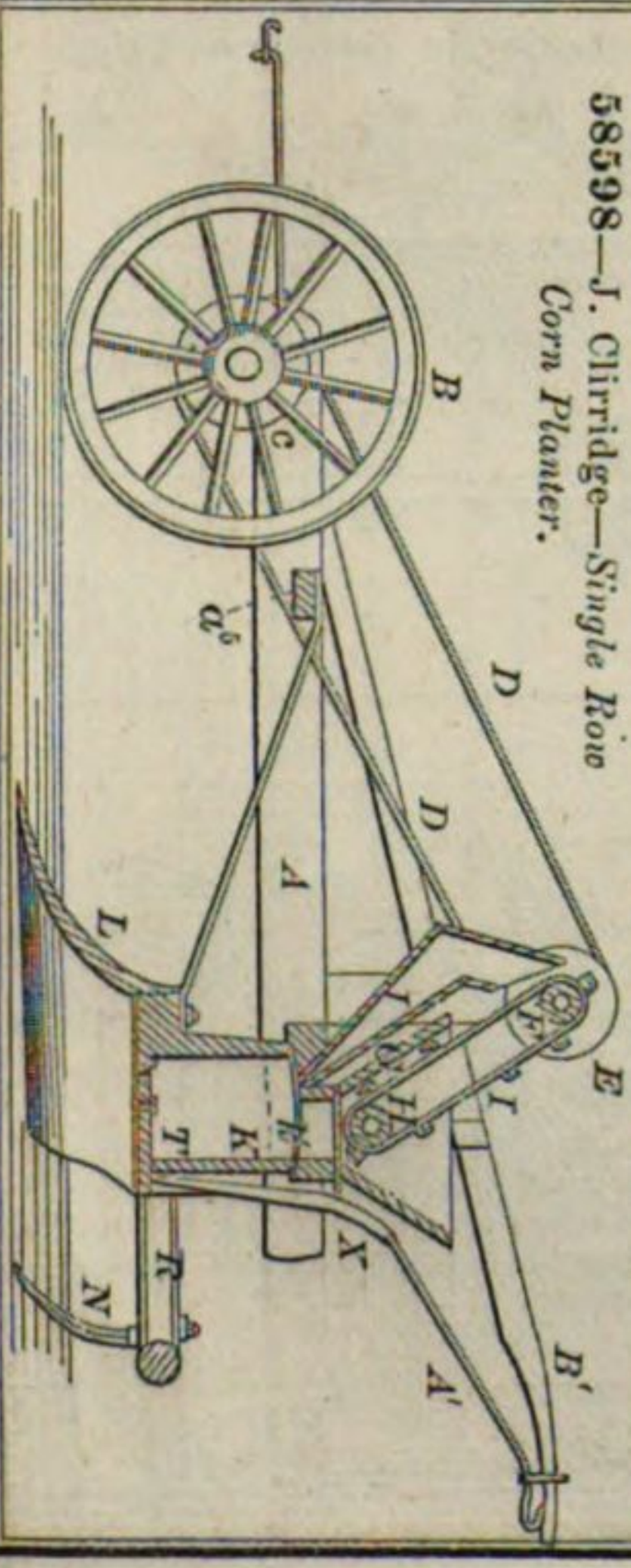


58594—Burnap & Bassington—*Telegraph Insulator.*



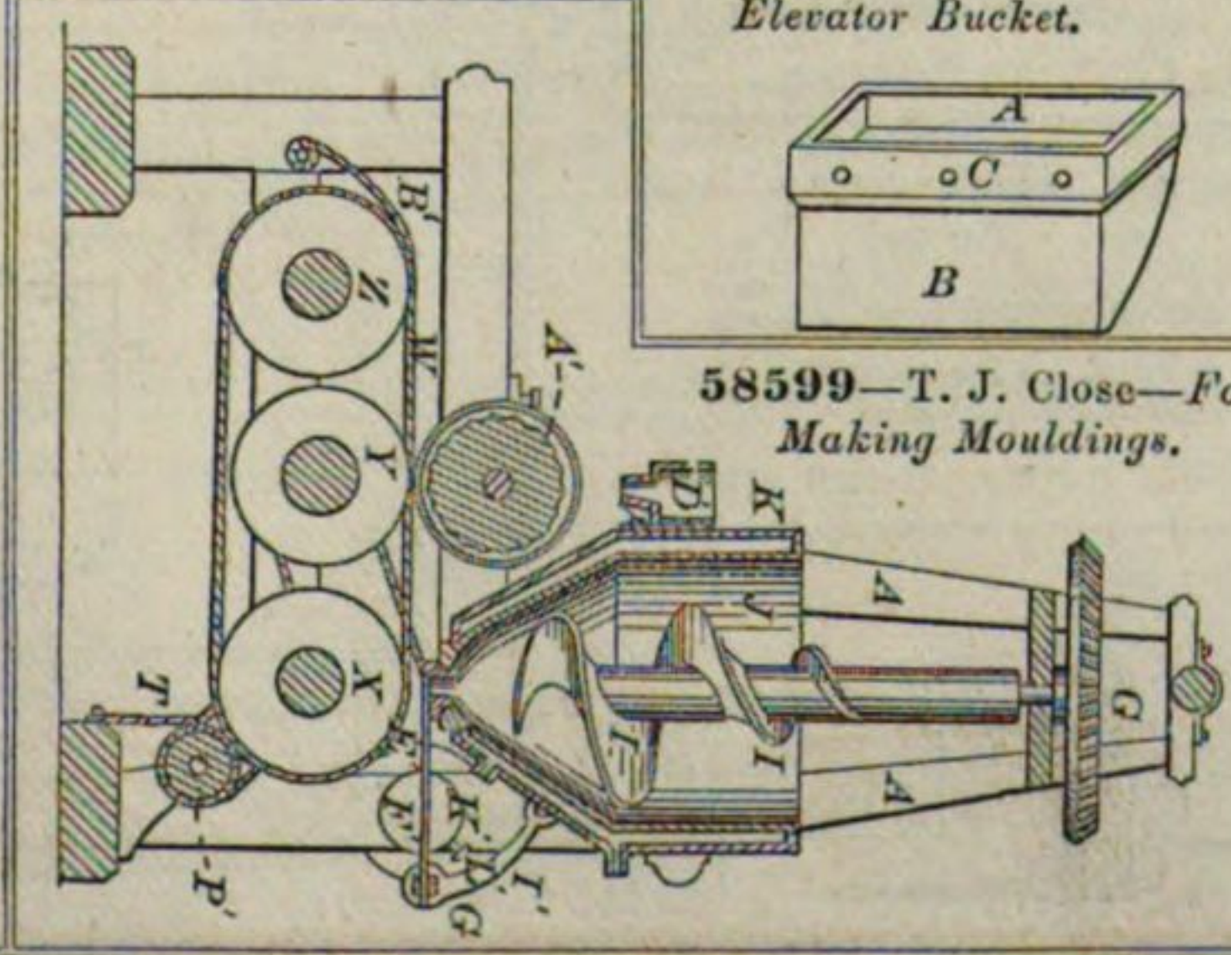


58598—J. Clirridge—*Single Row Corn Planter.*

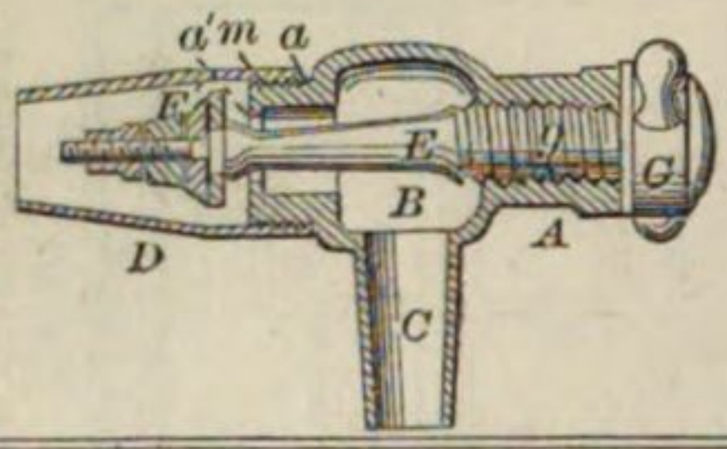


58595—C. Camp—*Elevator Bucket.*

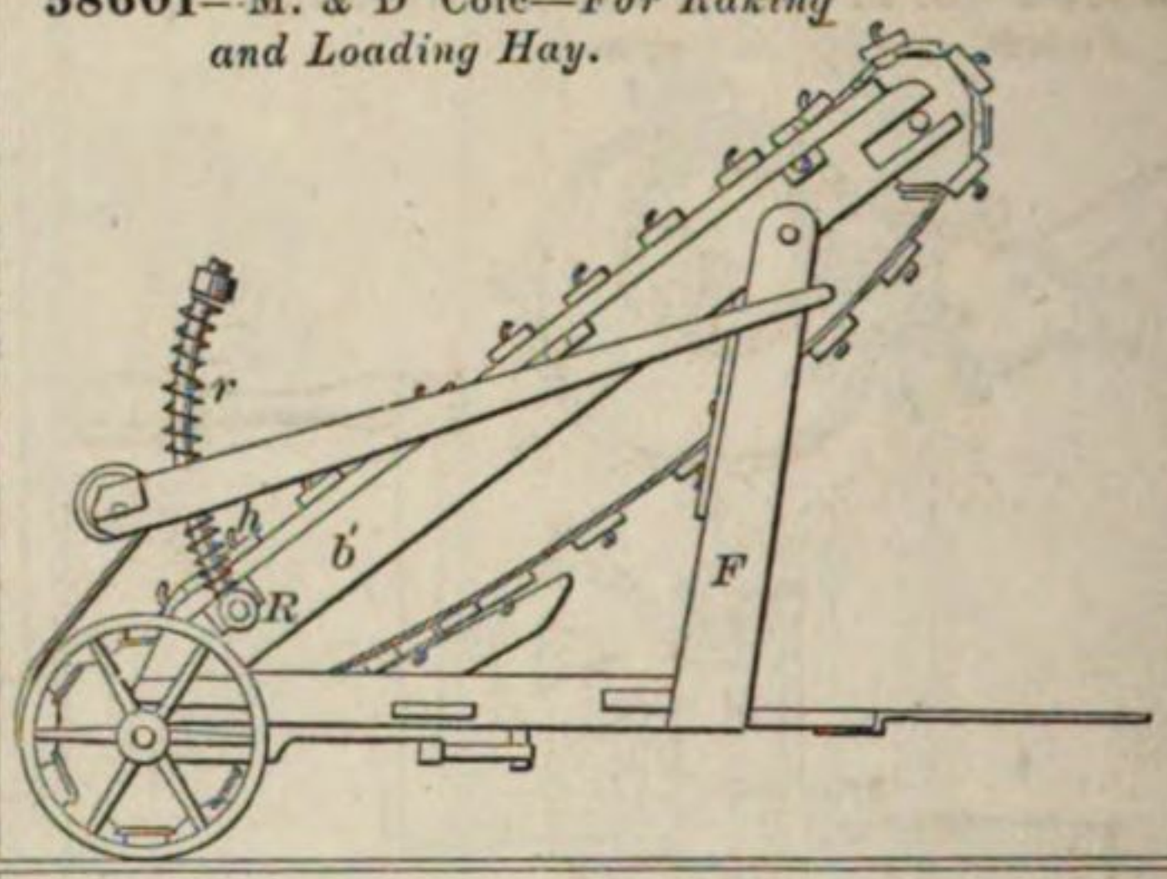
58599—T. J. Close—*For Making Mouldings.*



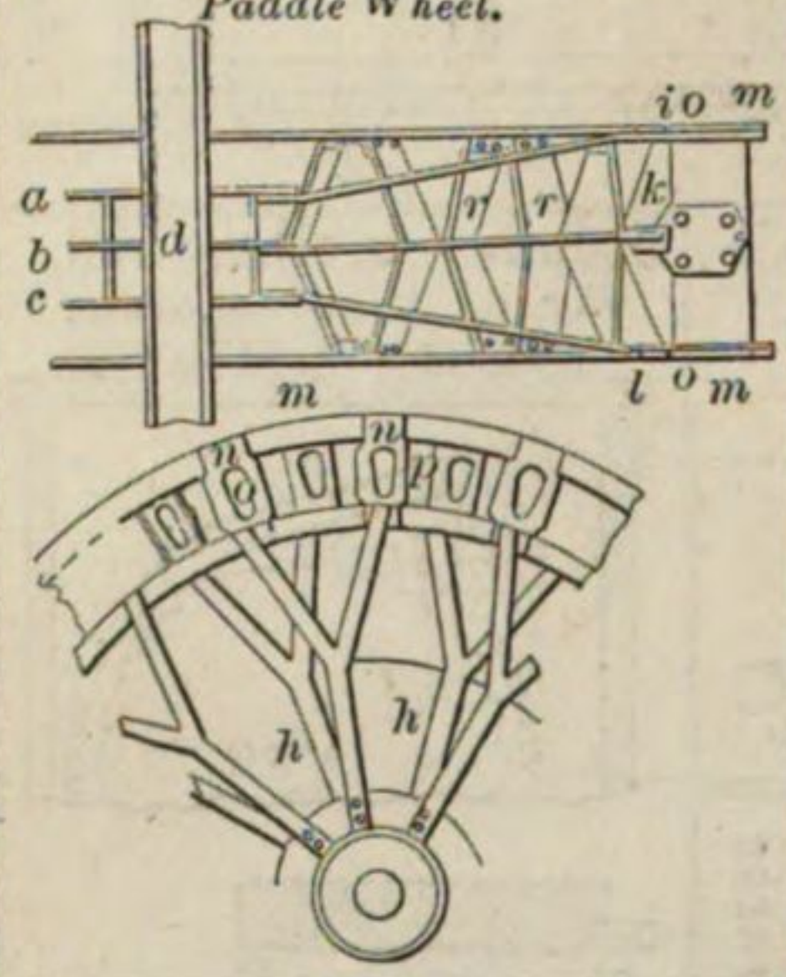
58600—T. M. Coffin—*Faucet.*



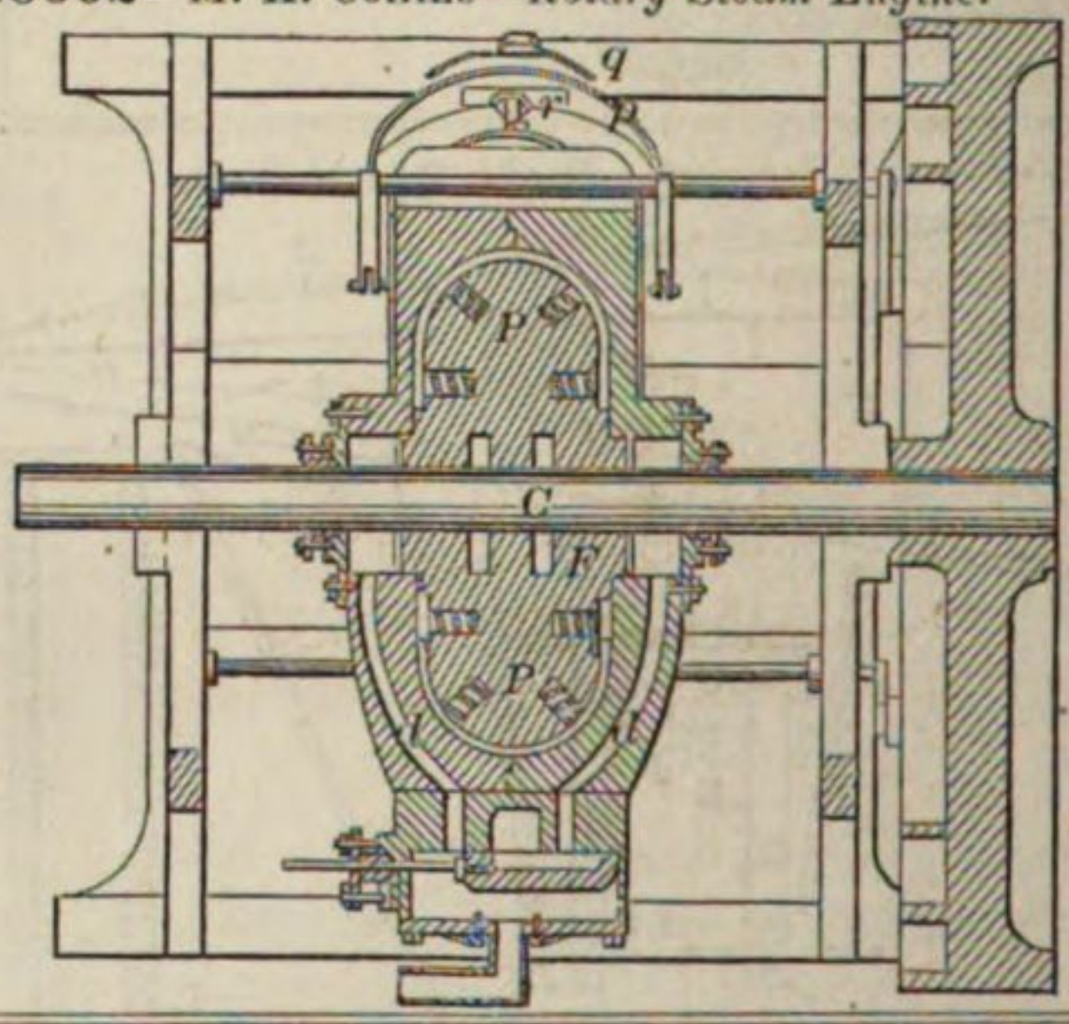
58601—M. & D Cole—*For Raking and Loading Hay.*



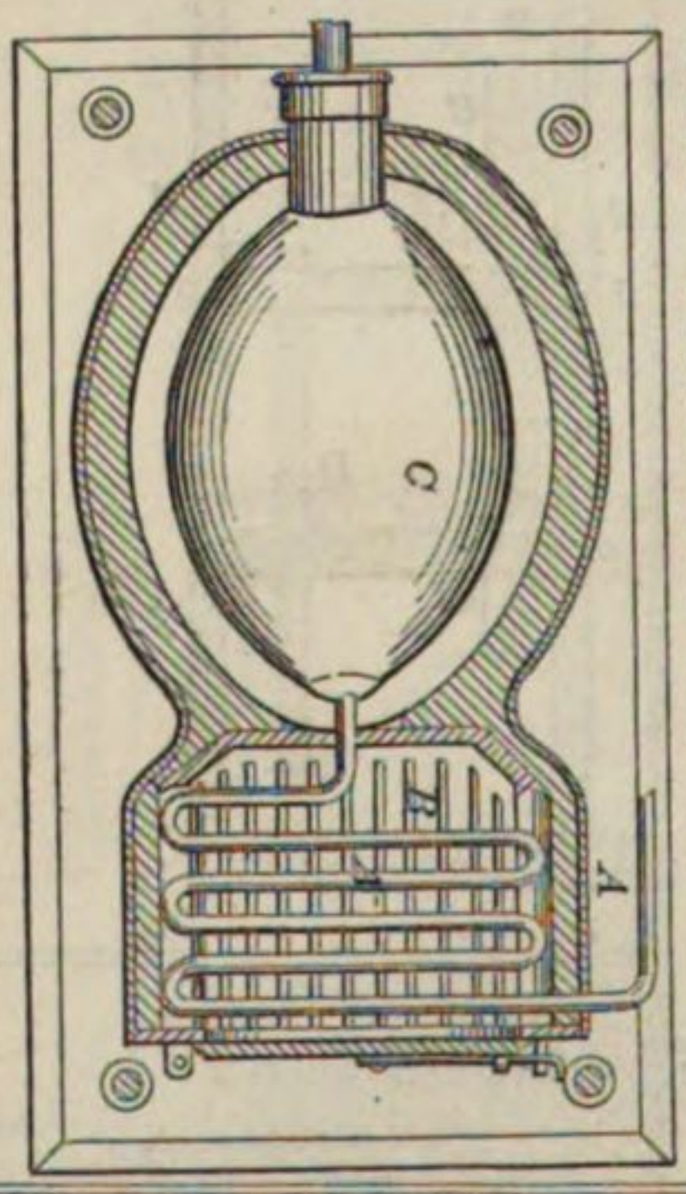
58603—Collins & Holland—*Paddle Wheel.*



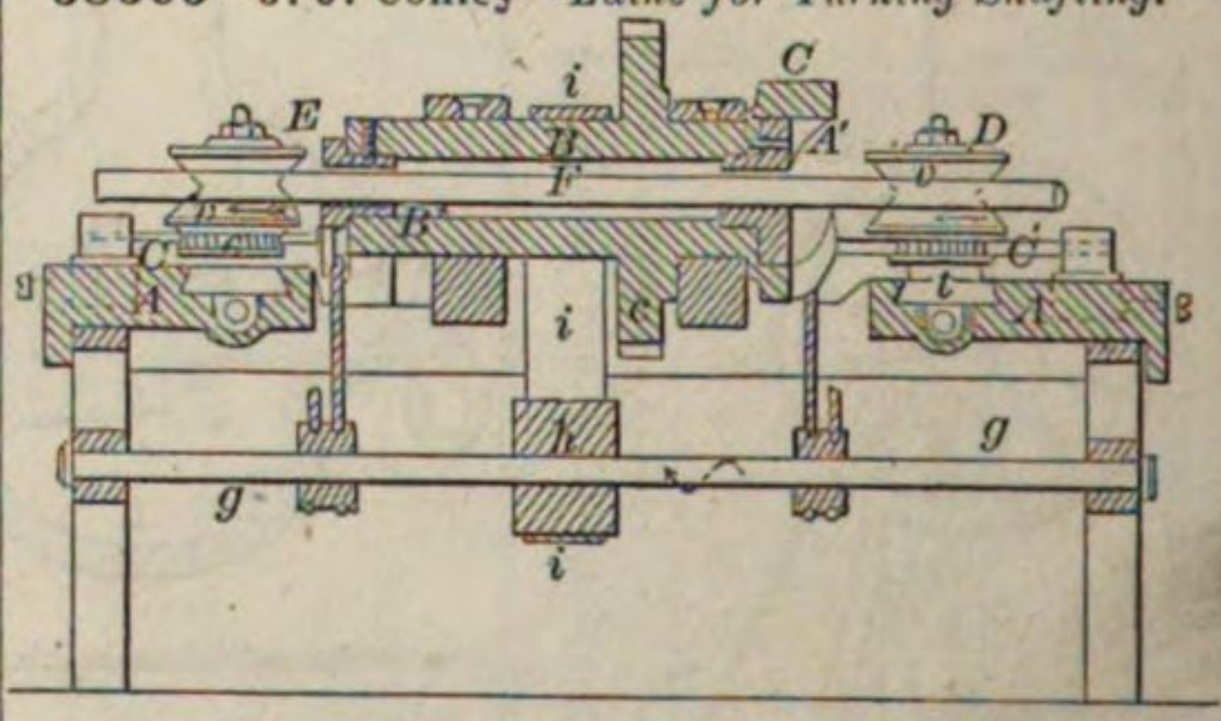
58602—M. H. Collins—*Rotary Steam Engine.*



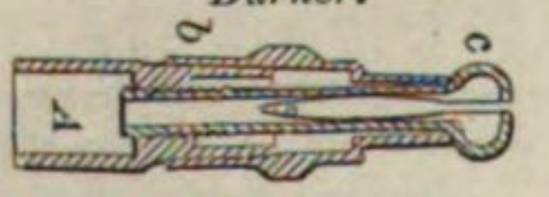
58604—W. Conant—*Steam Generator.*

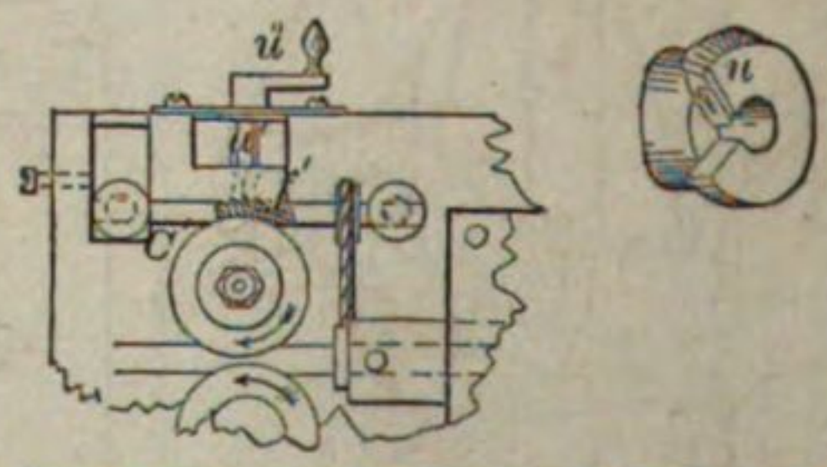


58605—J. J. Conley—*Lathe for Turning Shafting.*

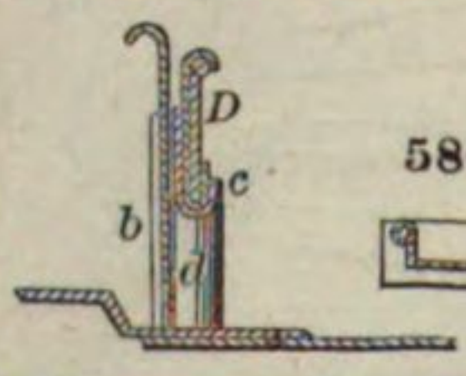


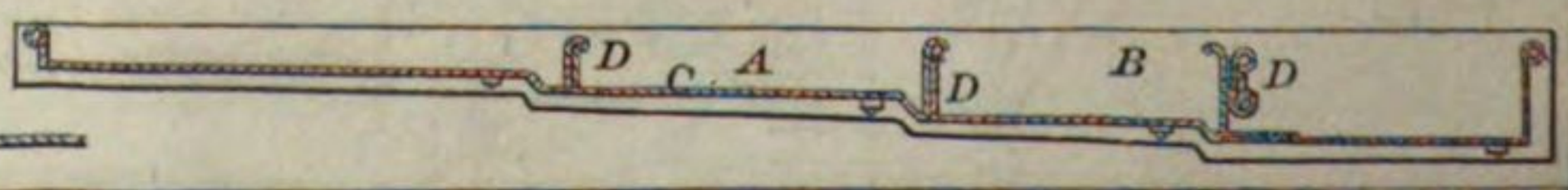
58606—J. B. Coolidge—*Gas Burner.*



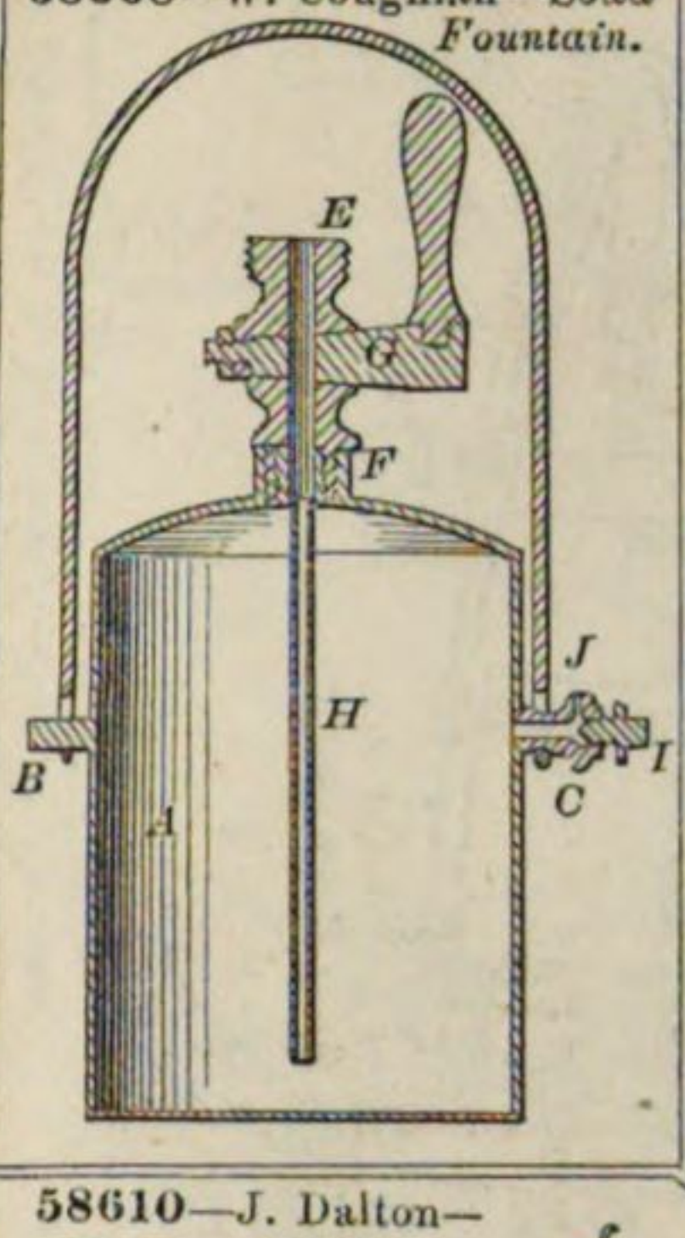


58607—J. Cooper—*Evaporator.*

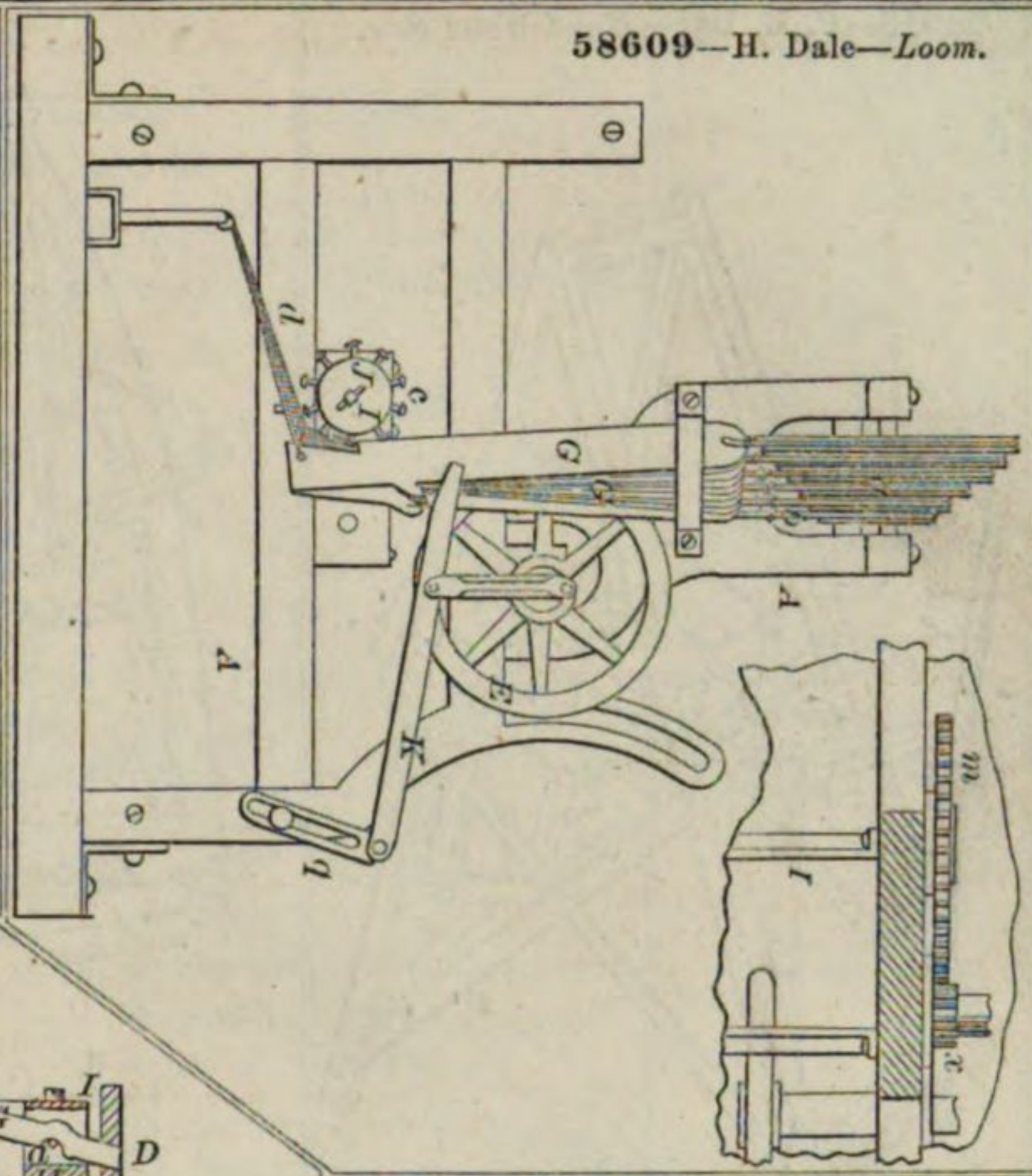




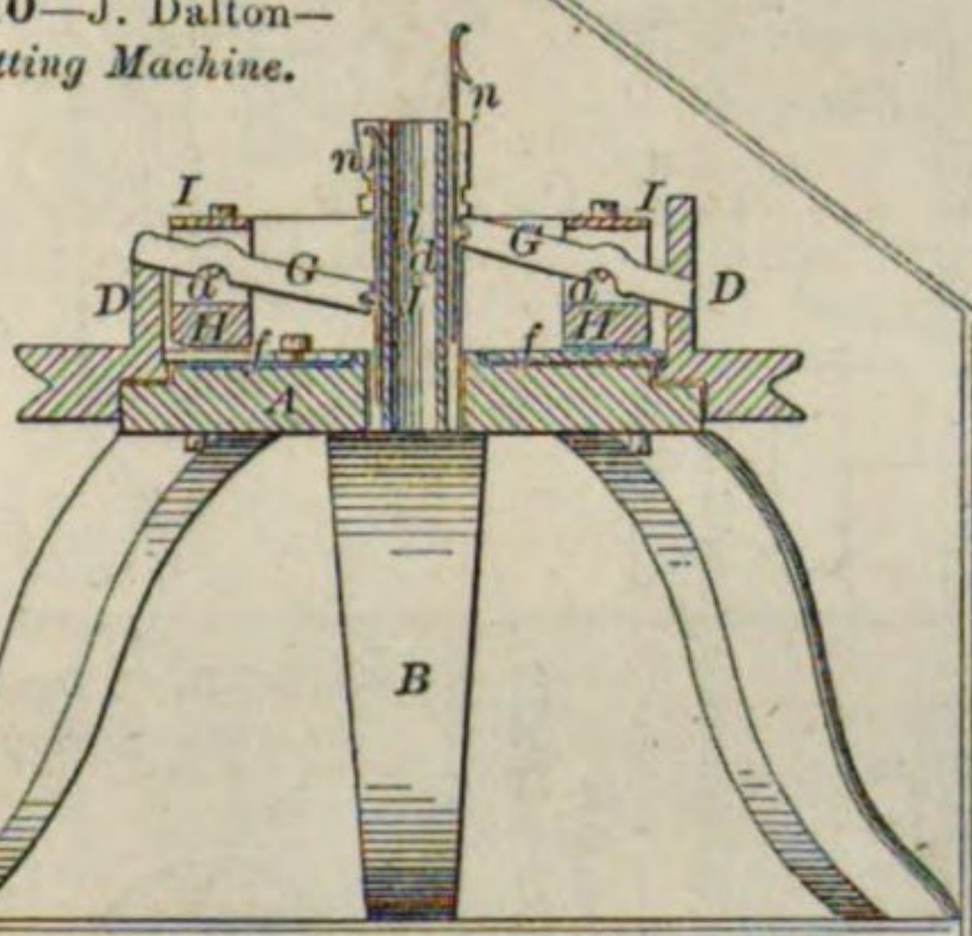
58608—W. Coughlan—*Soda Fountain.*



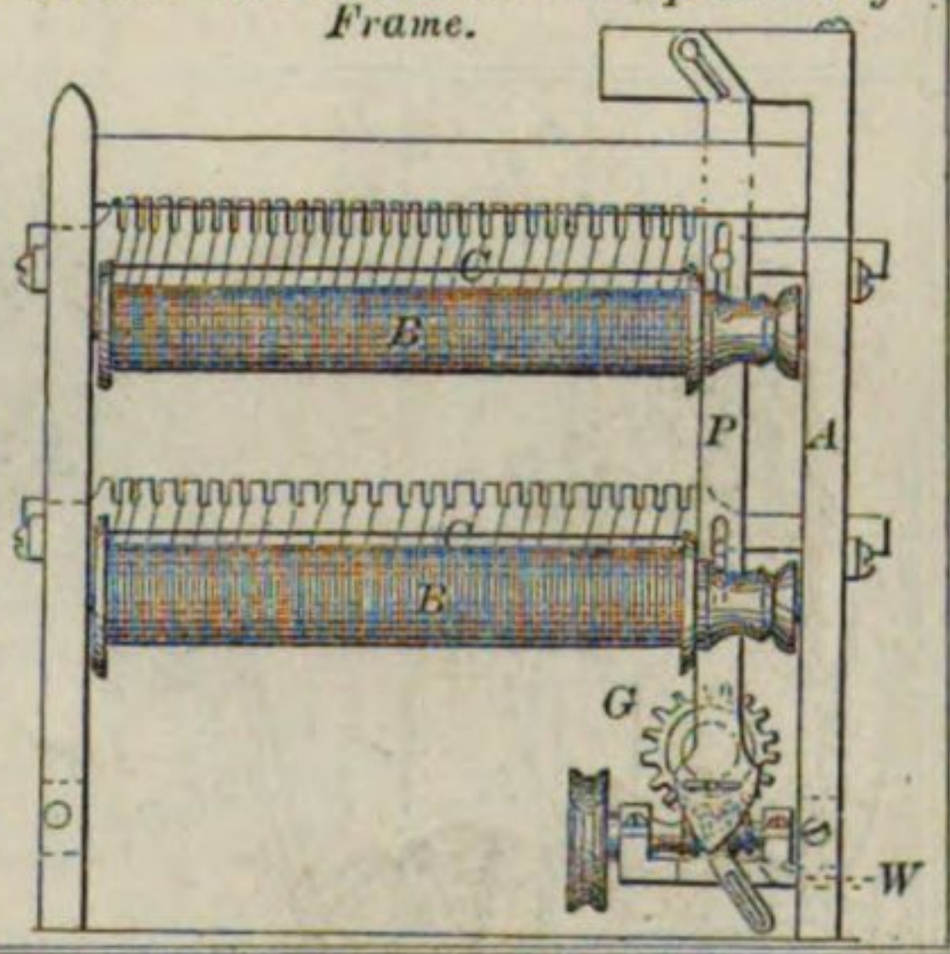
58609—H. Dale—*Loom.*



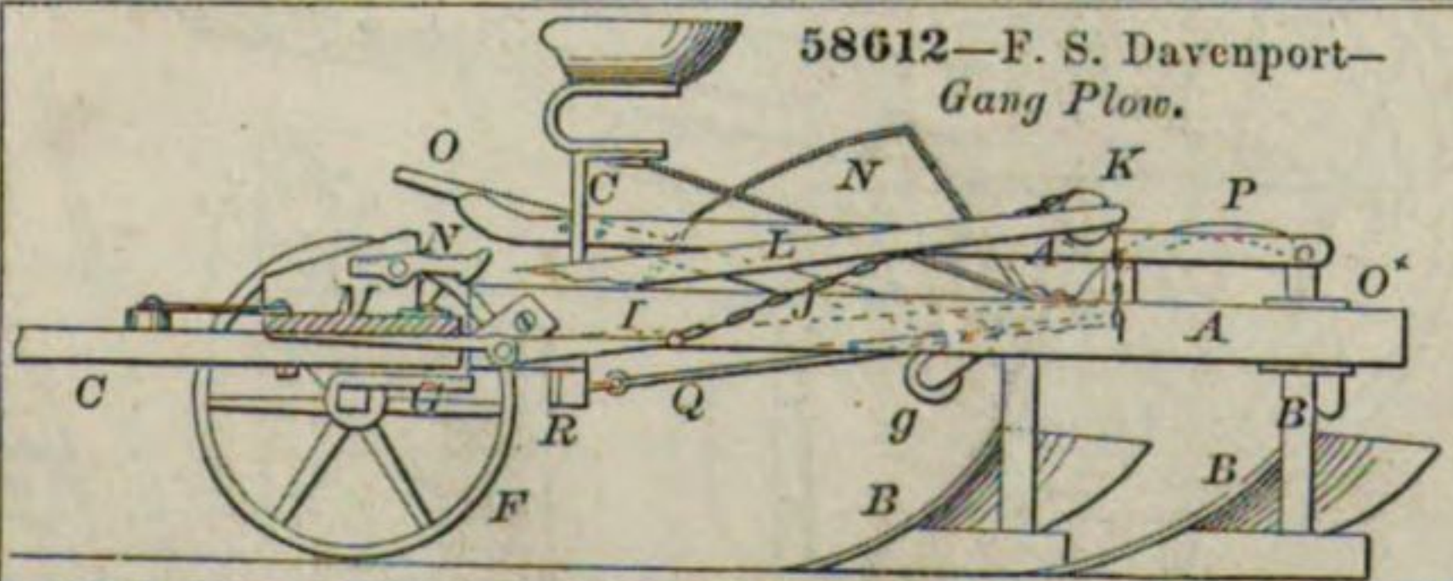
58610—J. Dalton—*Knitting Machine.*



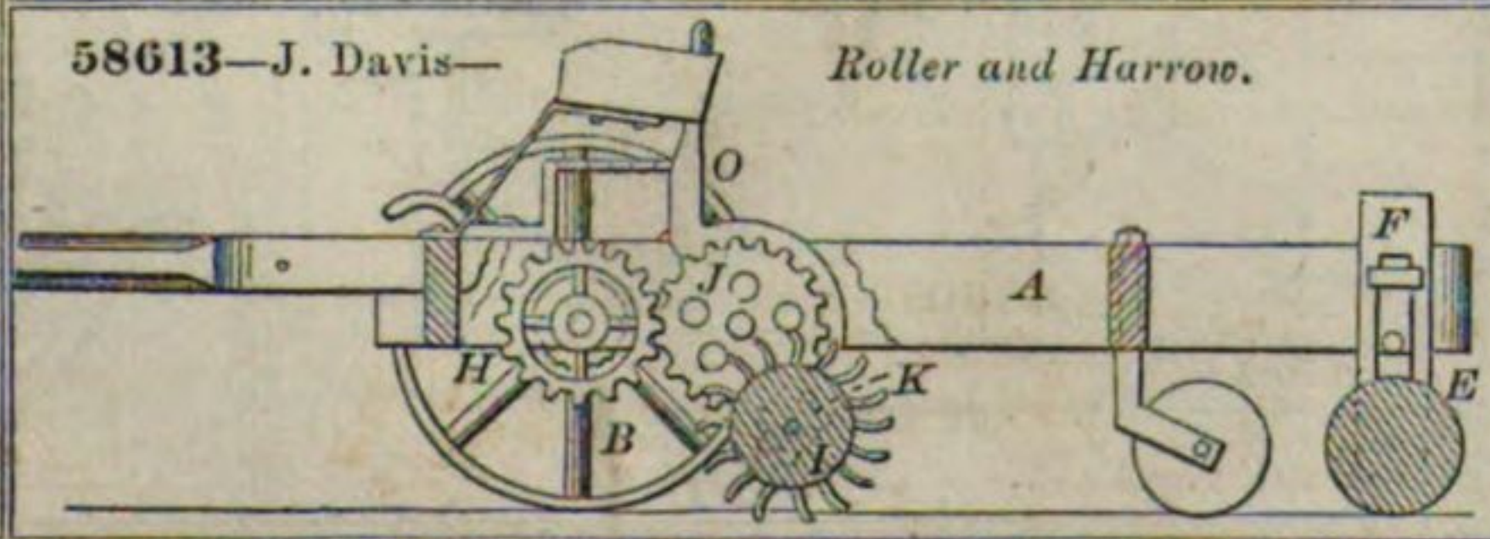
58611—A. M. Damon—*Warp Dressing Frame.*



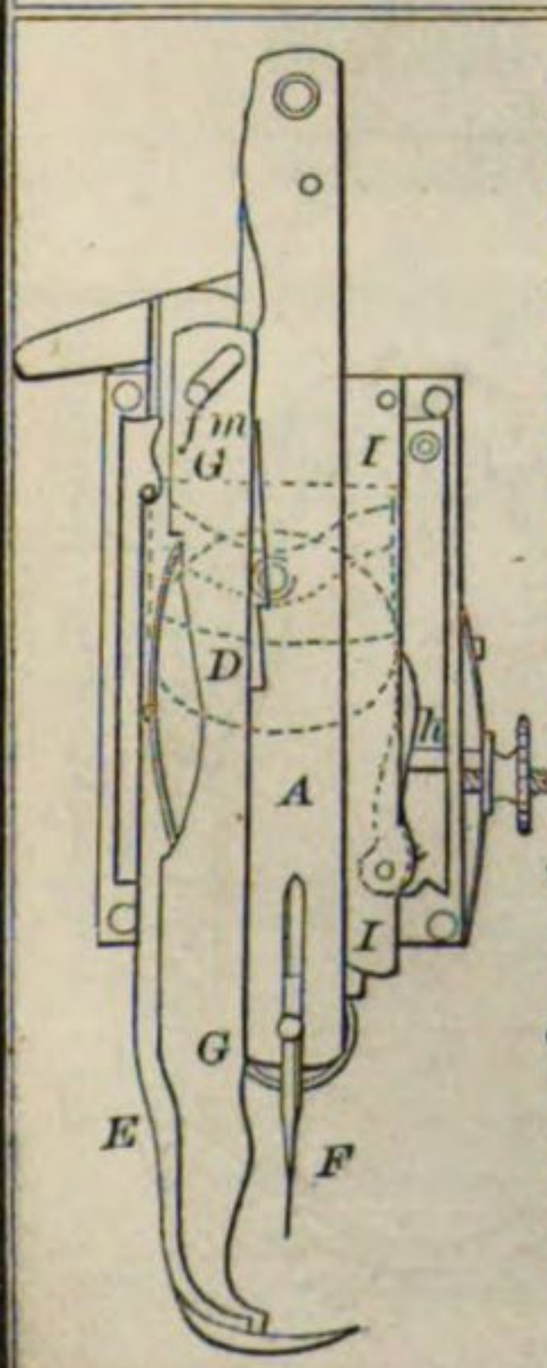
58612—F. S. Davenport—*Gang Plow.*



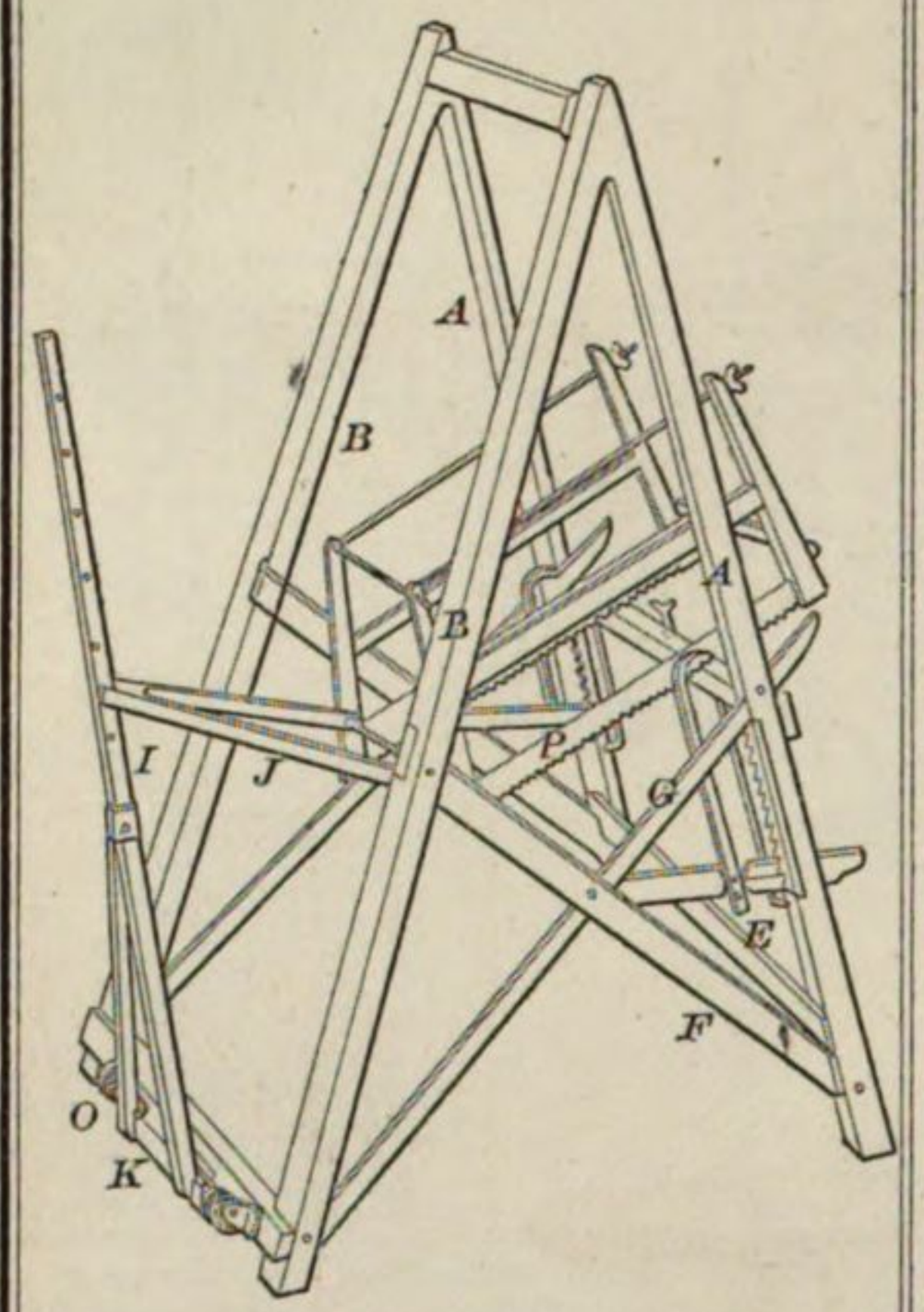
58613—J. Davis—*Roller and Harrow.*



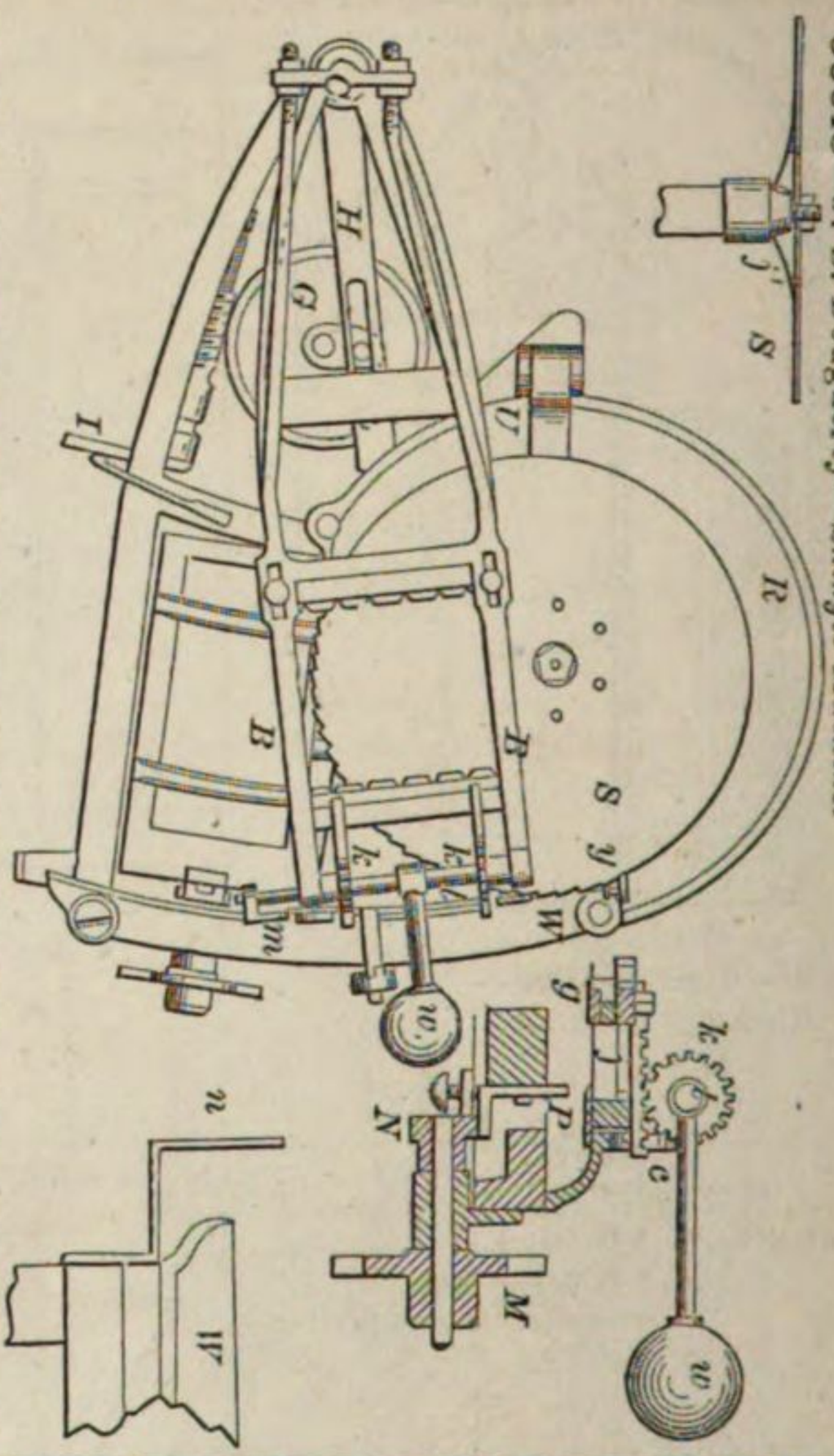
58614—J. Davis—*Needle Feed of Sewing Machines.*

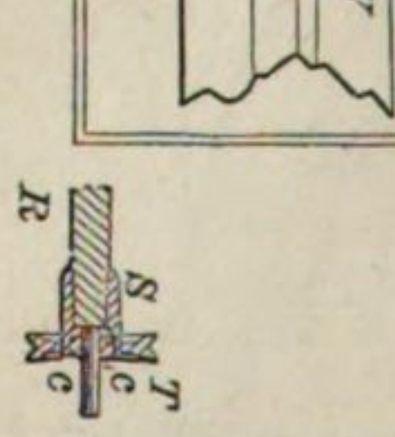


58616—C. M. Day—*Hand Wood Saw.*

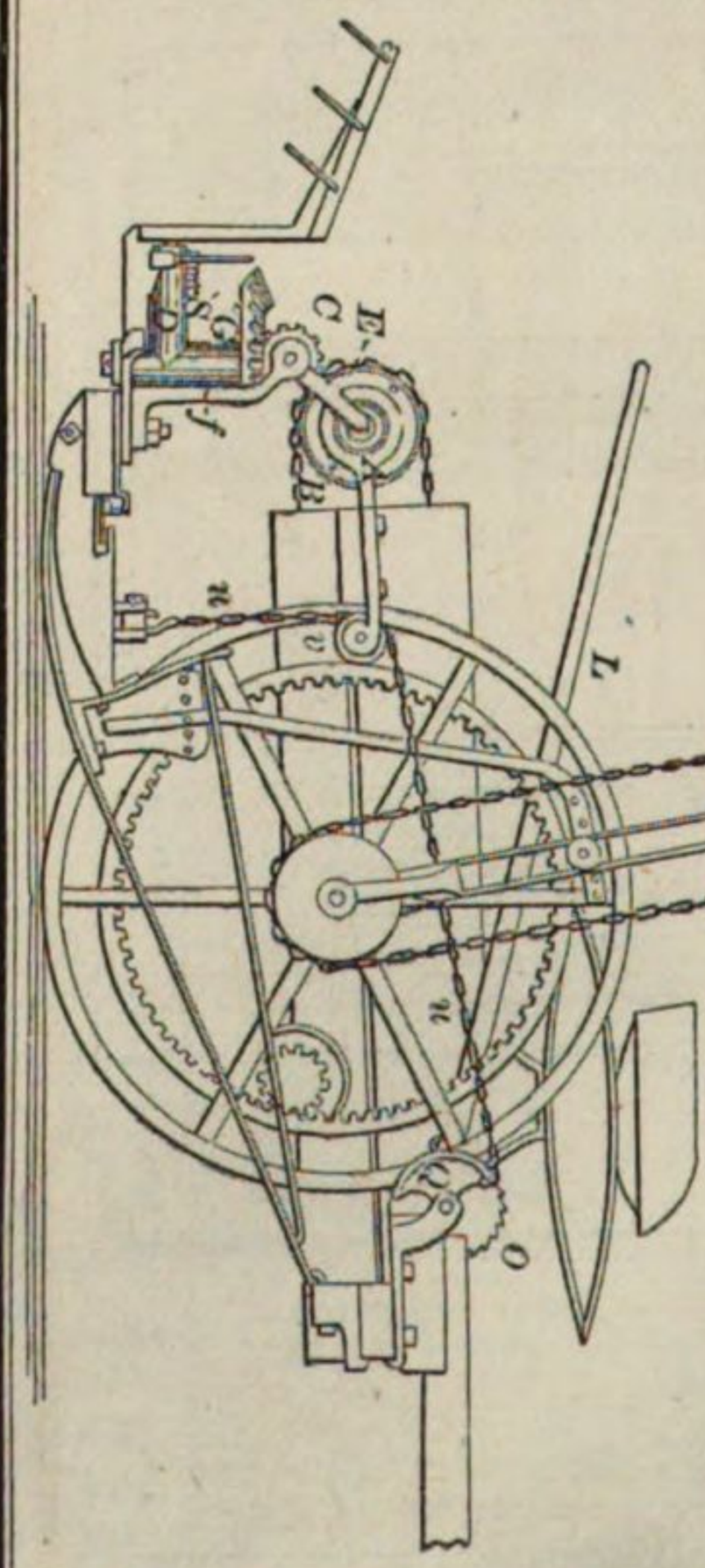


58618—J. B. Dougherty—*Shingle Machine.*



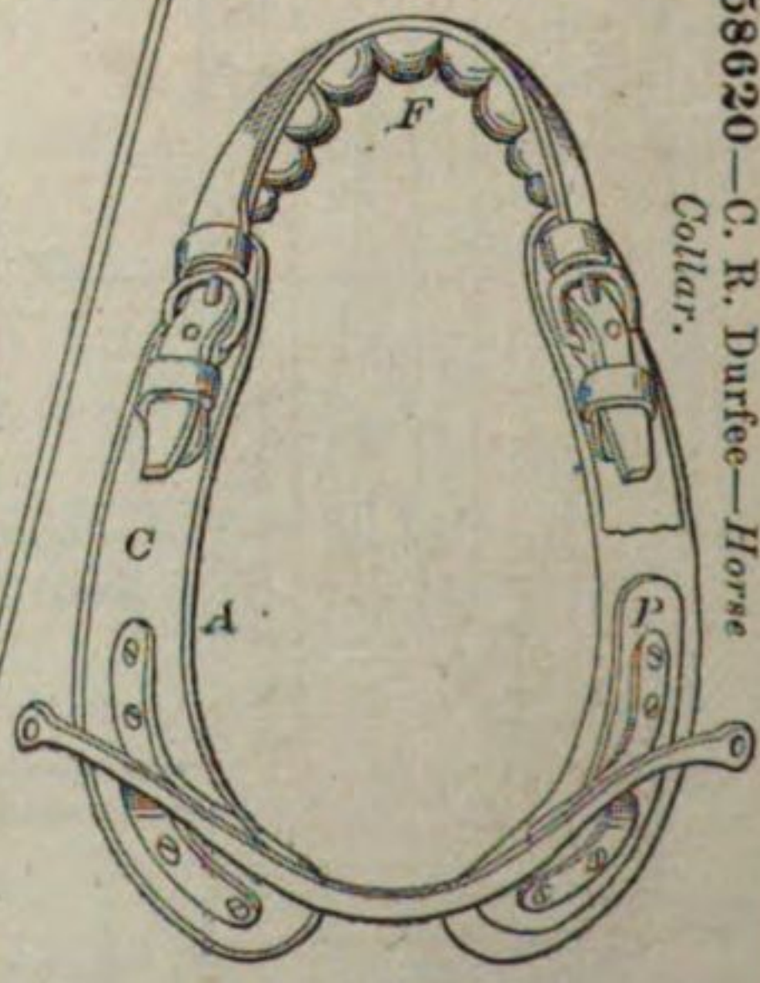


58617—J. Dick, Jr.—*Harvester.*

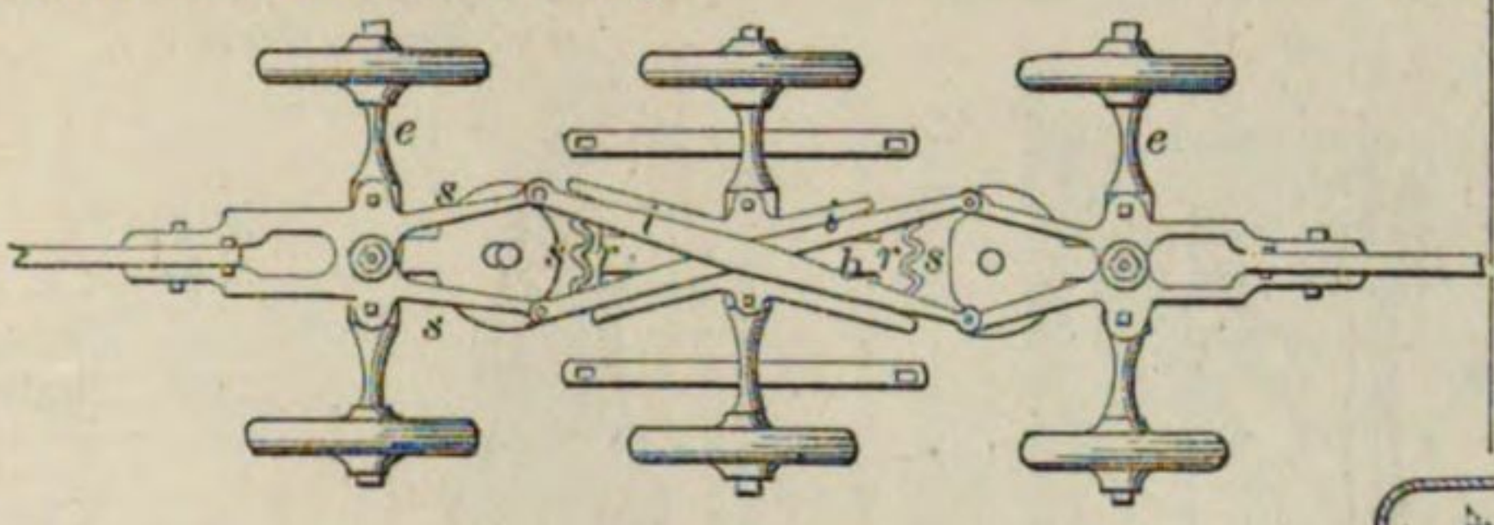


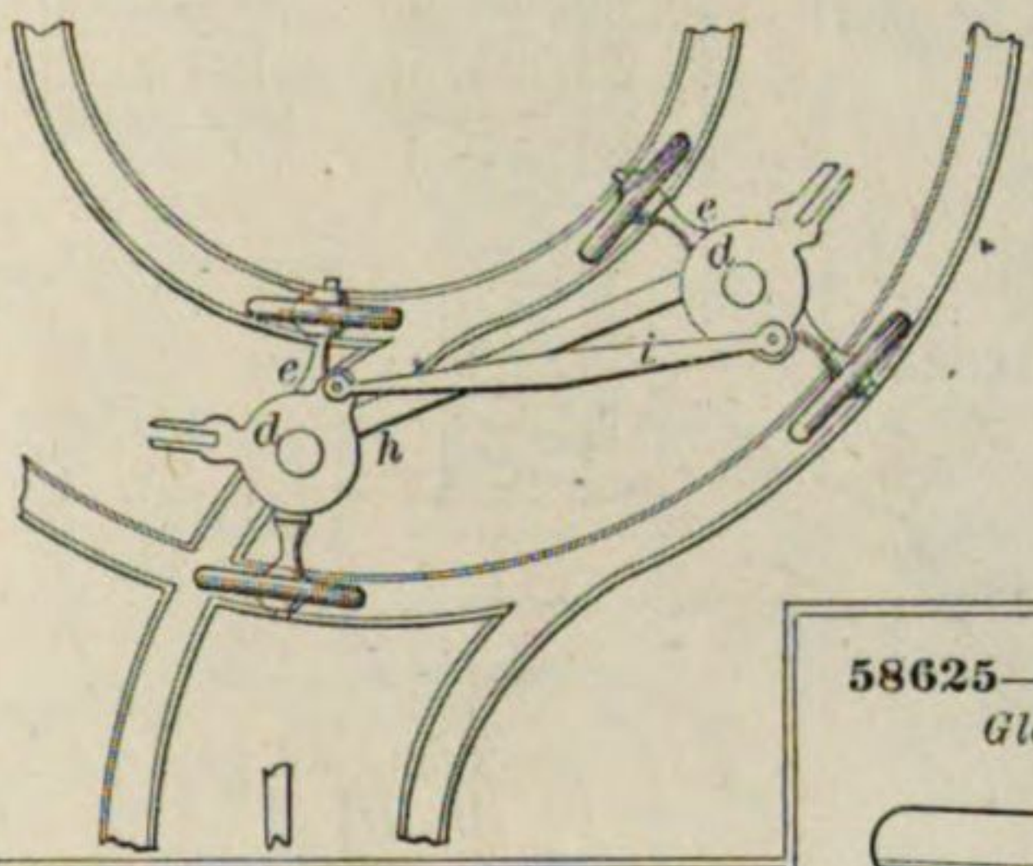
58619—R. C. Dunham—*Buckle and Ring.*

58620—C. R. Durfee—*Horse Collar.*

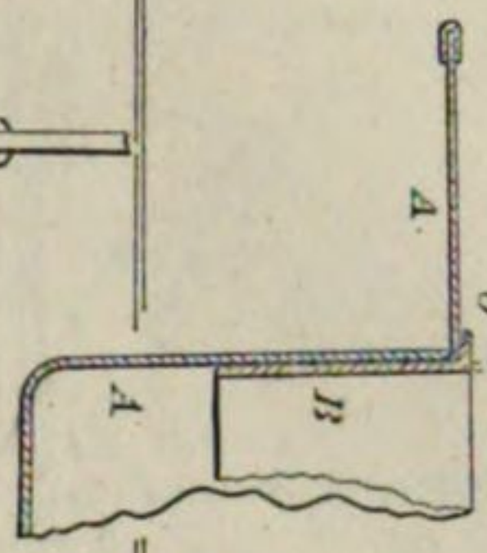


58621—Z. Eastman—*Railway.*

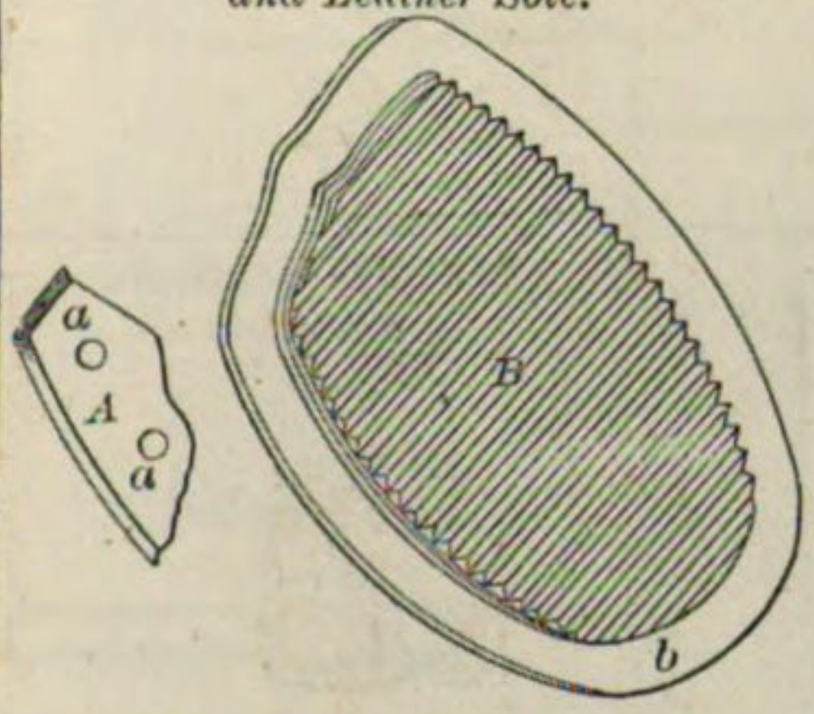




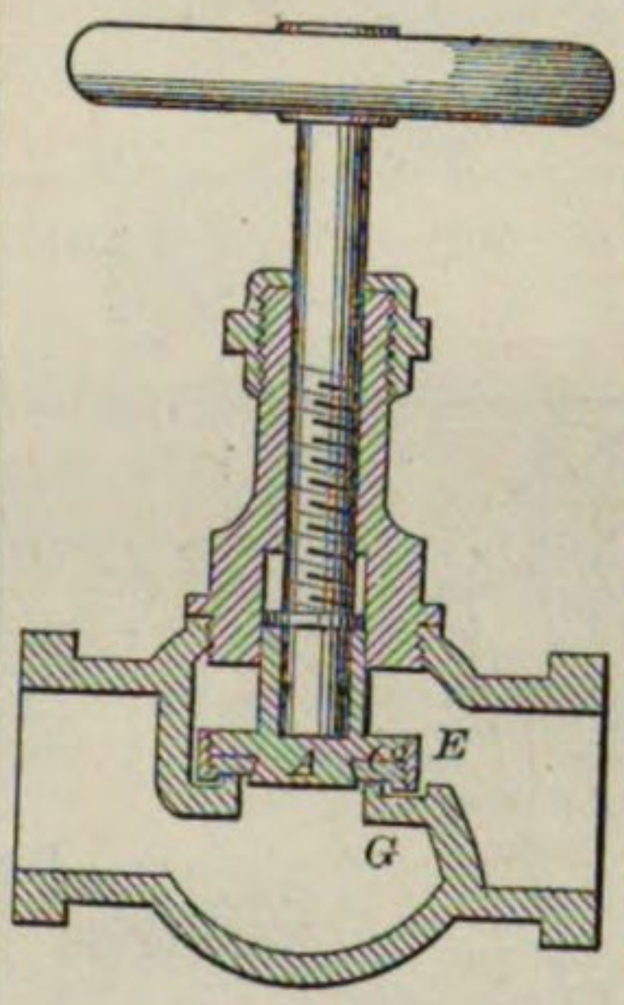
58622—R. Eickemeyer—*Sewing Sweat Linings into Hats.*



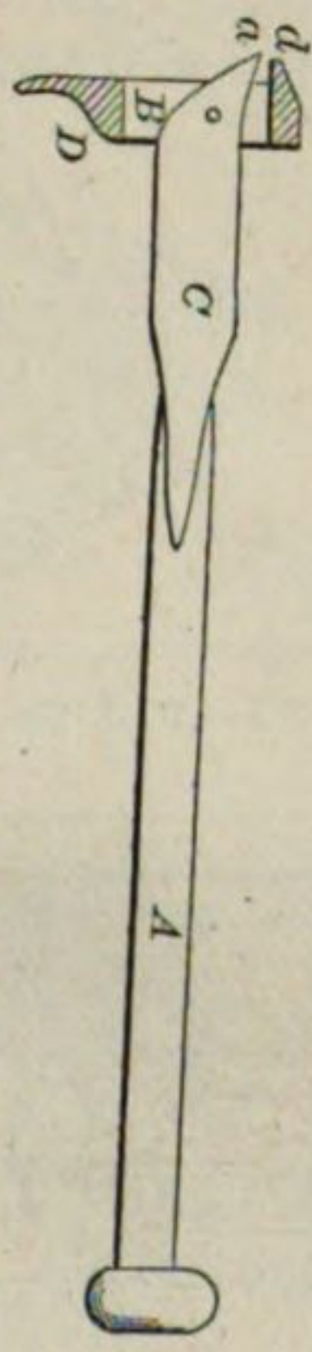
58623—L. Elliott, Jr.—*India Rubber and Leather Sole.*



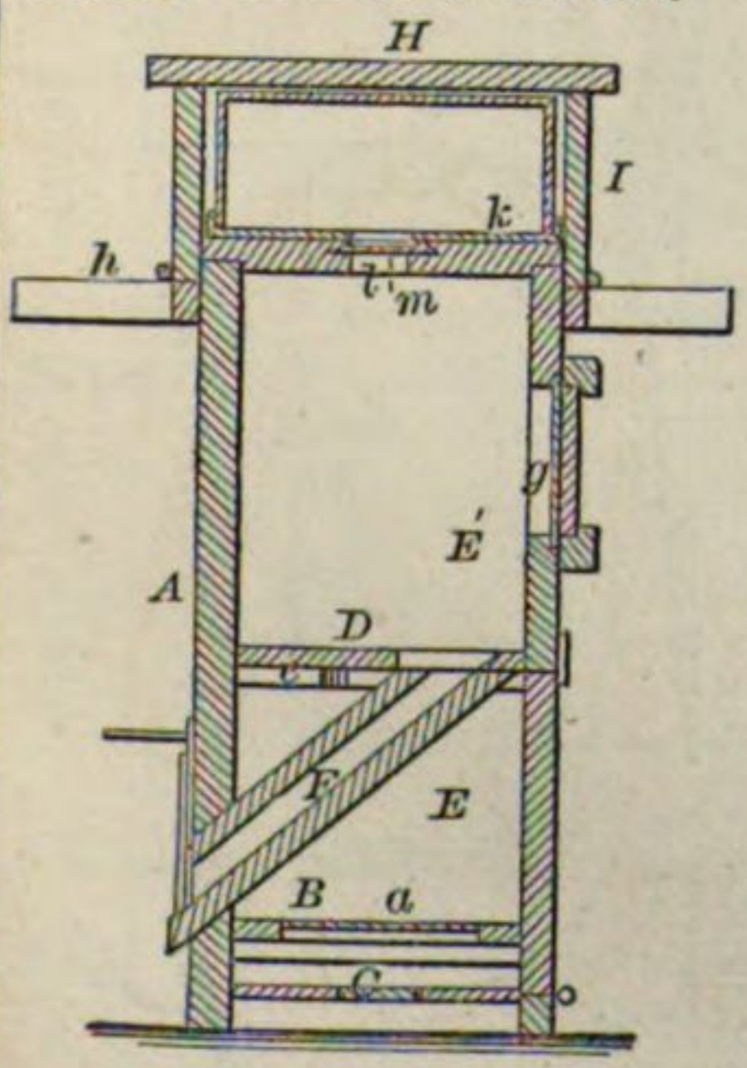
58625—T. R. Fancher—*Globe Valve.*



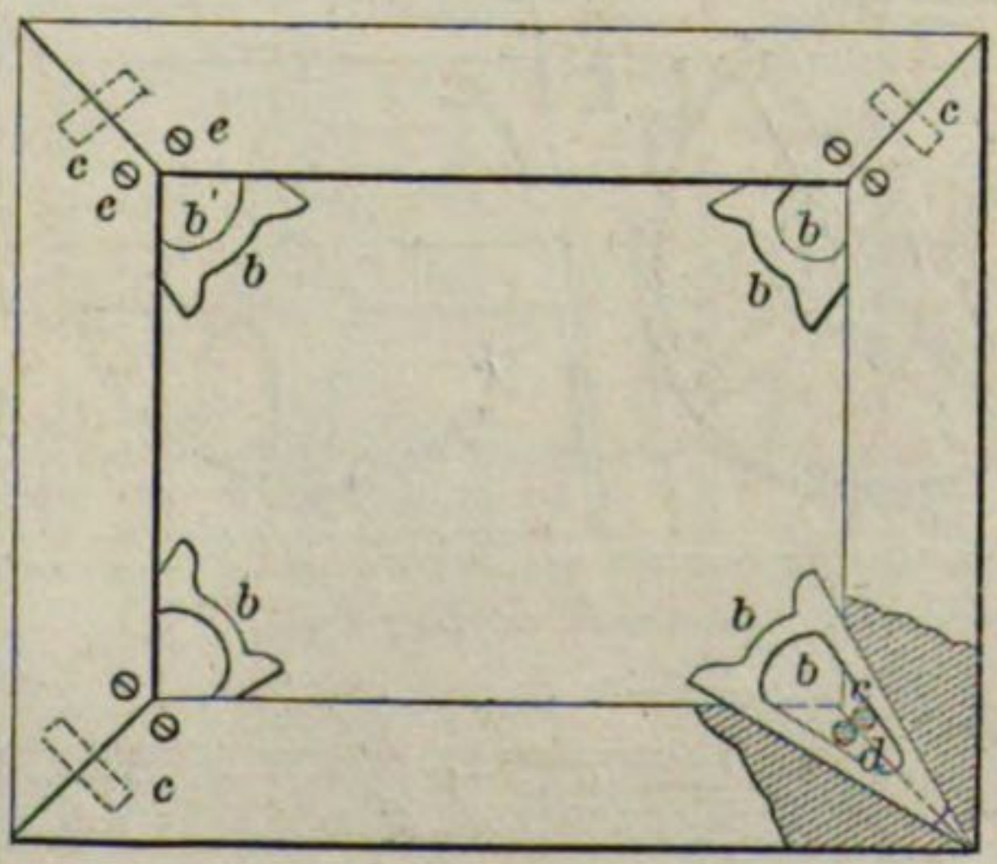
58626—R. A. Fish—*Spike Puller.*



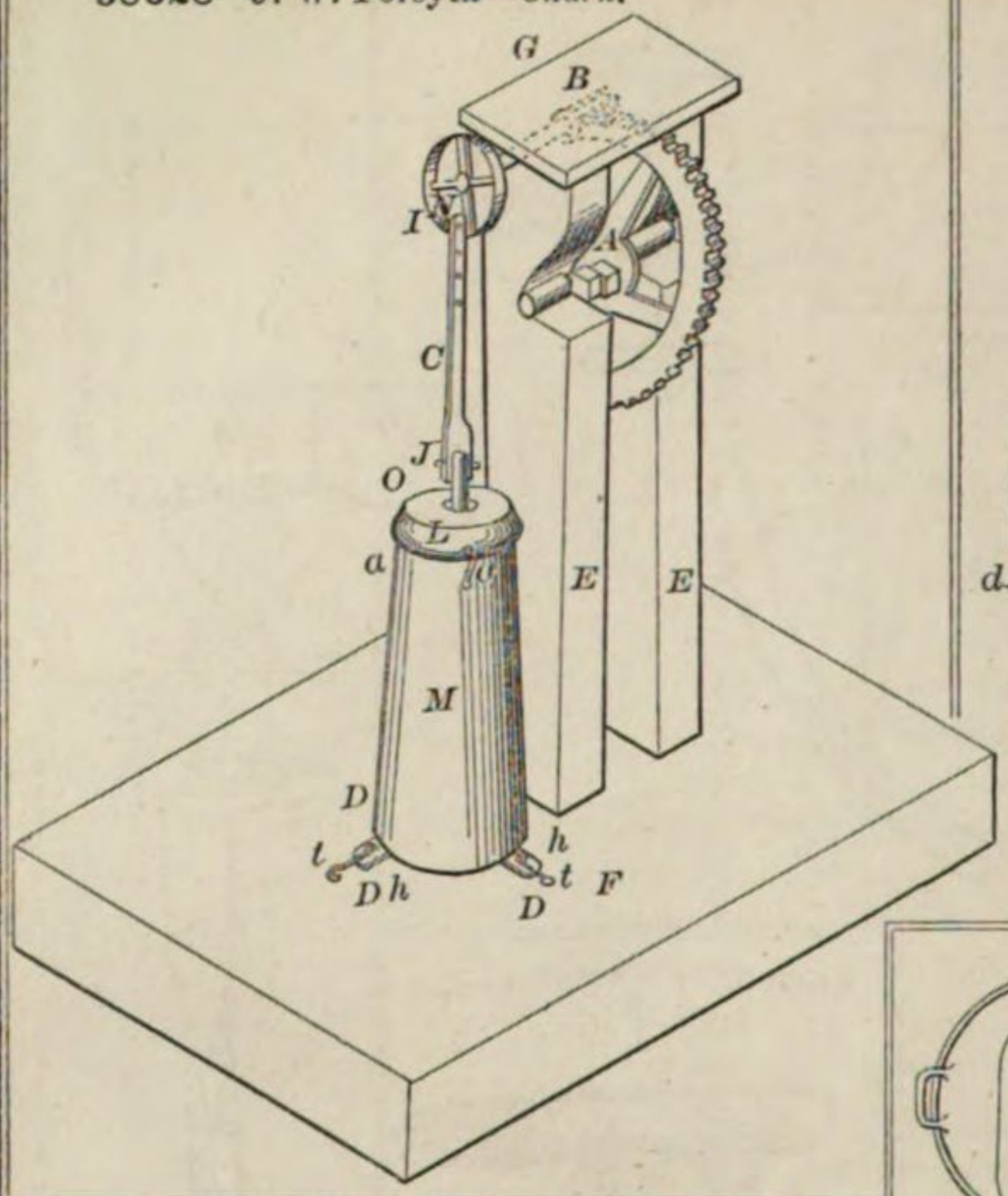
58624—A. E. Ellis—*Beehive.*



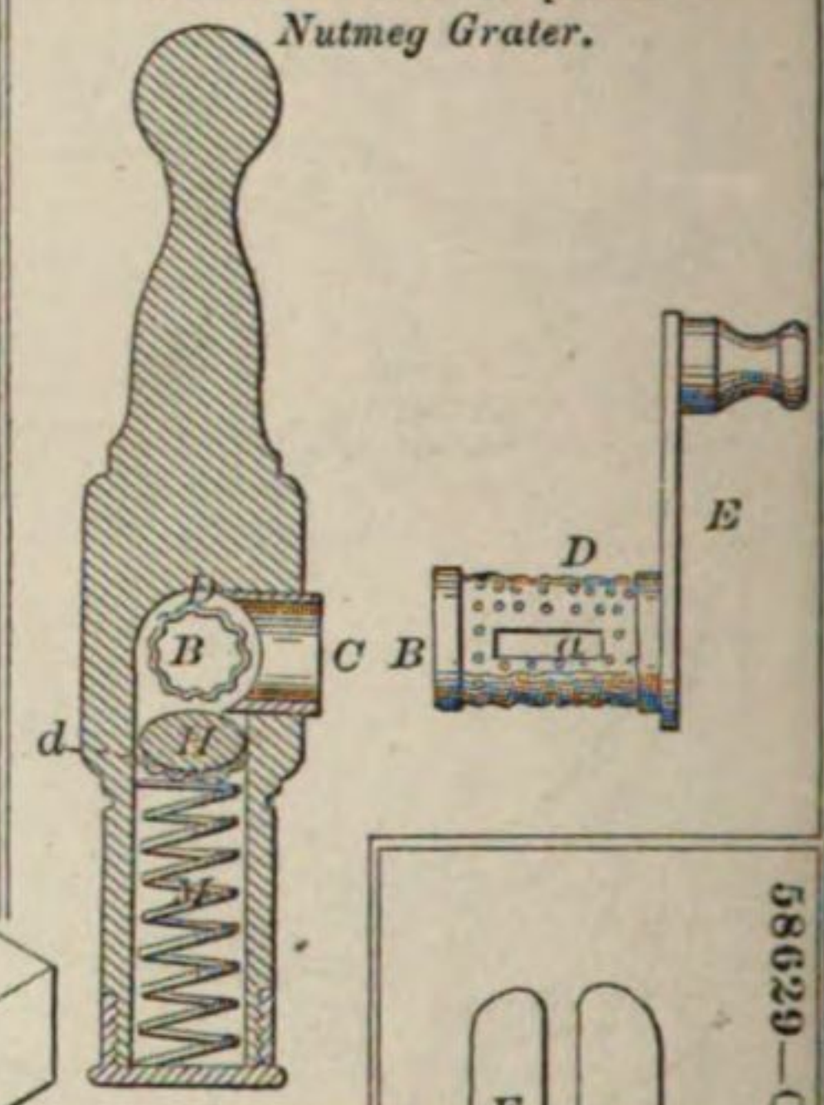
58627—Flagg & Storer—*Canvas Stretcher.*



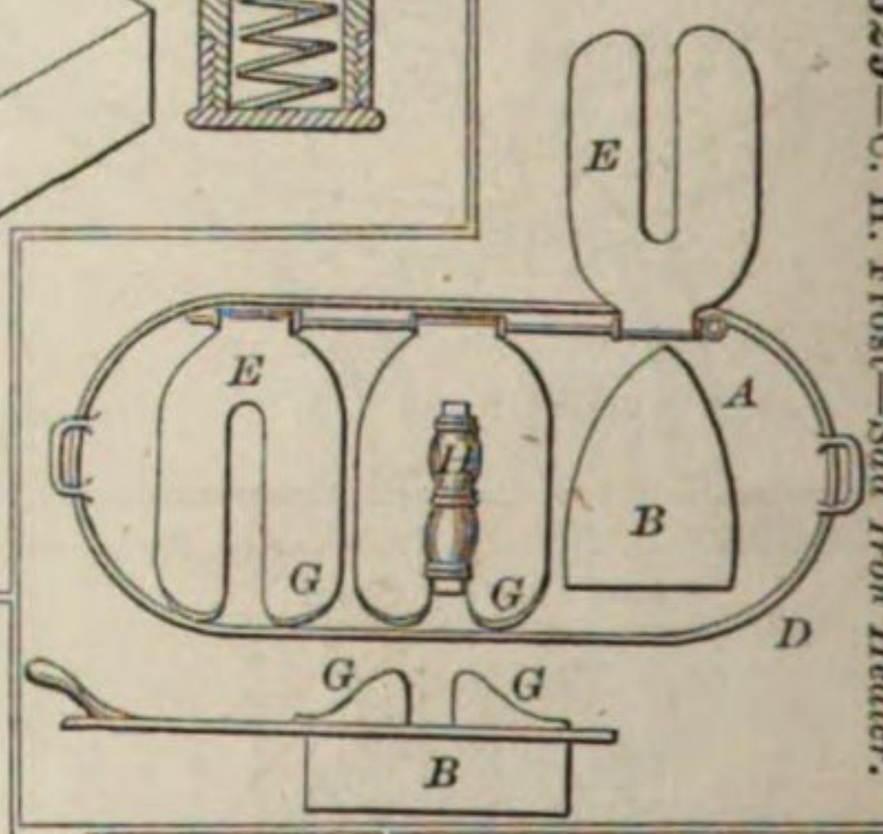
58628—J. W. Forsyth—*Churn.*



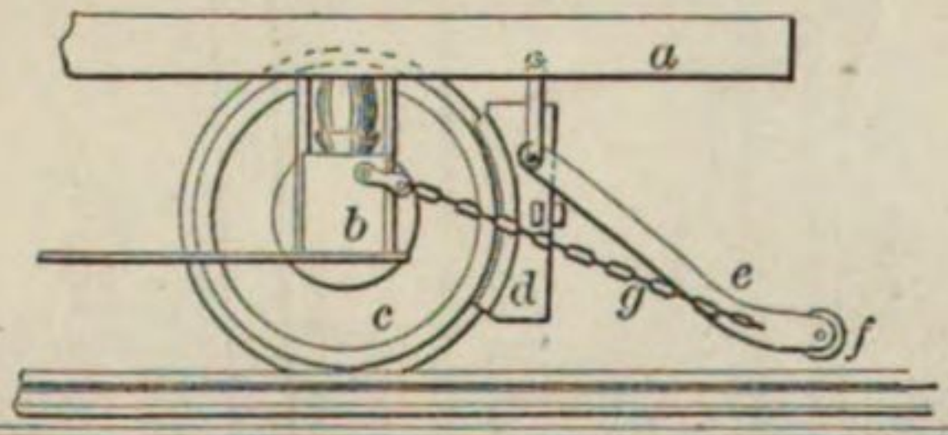
58632—C. L. Gilpatric—*Nutmeg Grater.*



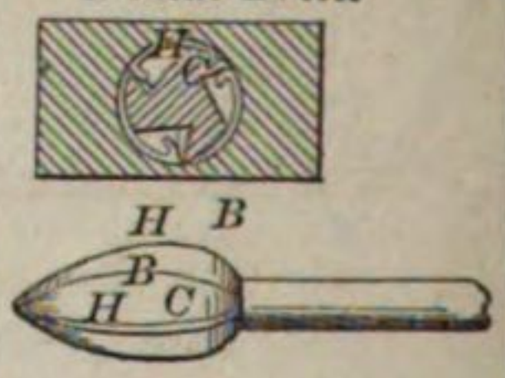
58629—C. H. Frost—*Sad Iron Heater.*



58634—M. J. Goodwin—*Railway Track Clearer.*

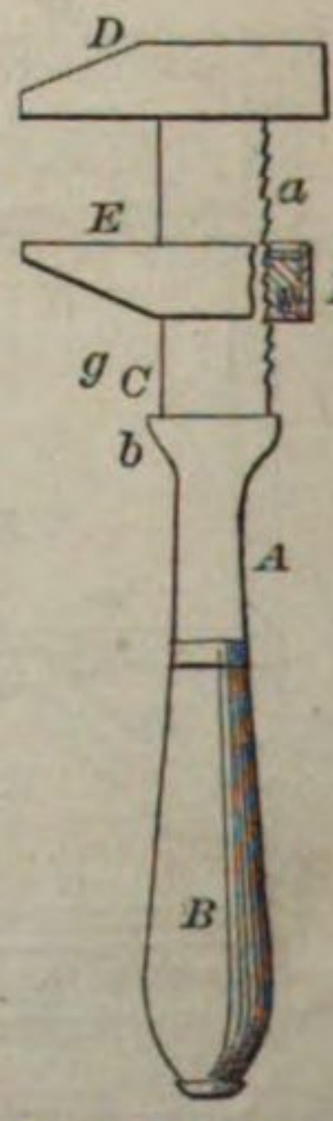


58631—W. H. Gates—*Dental Drill.*

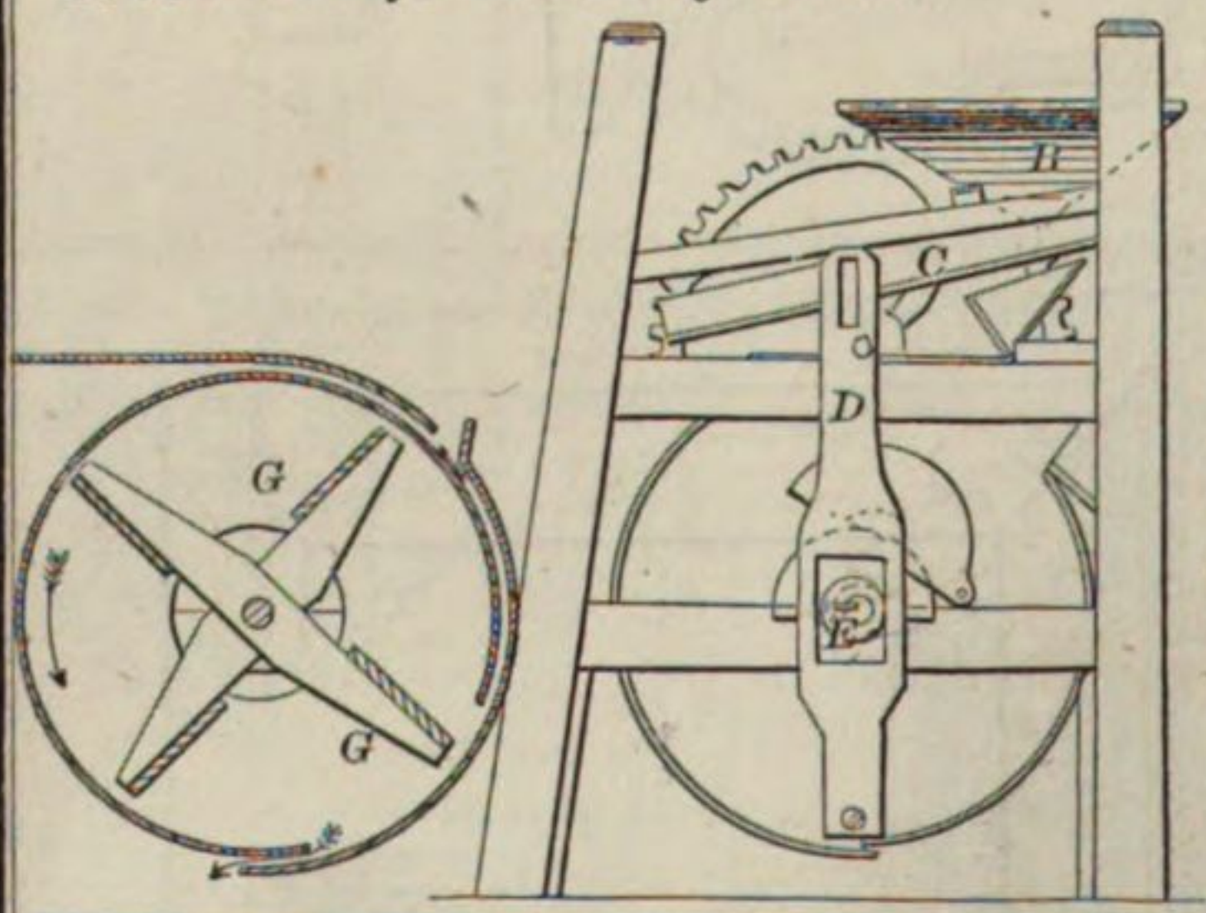


58636—S. J. Goucher—*Shovel.*

58633—W. D. Gold—*Wrench.*

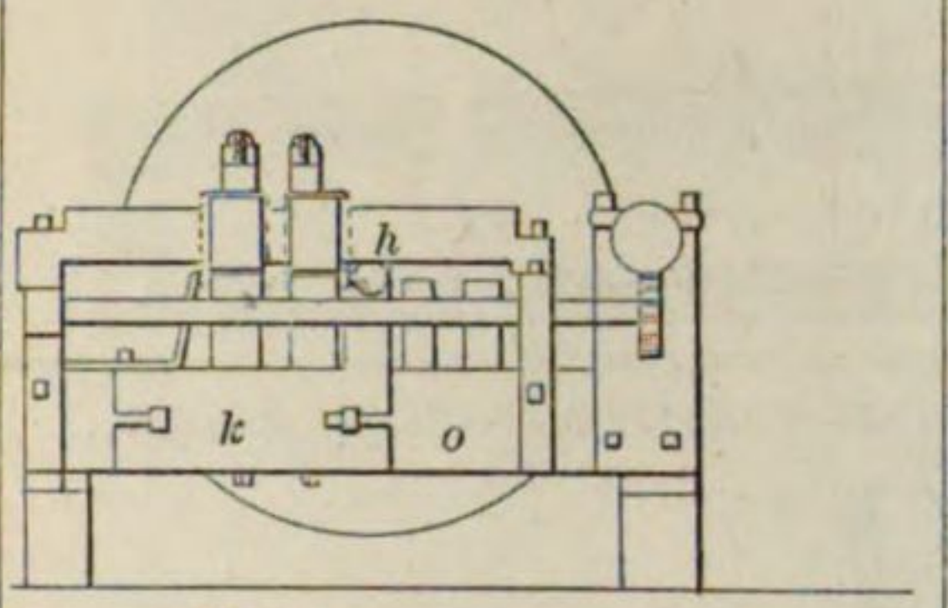


58630—F. Frye—*Winnowing Machine.*

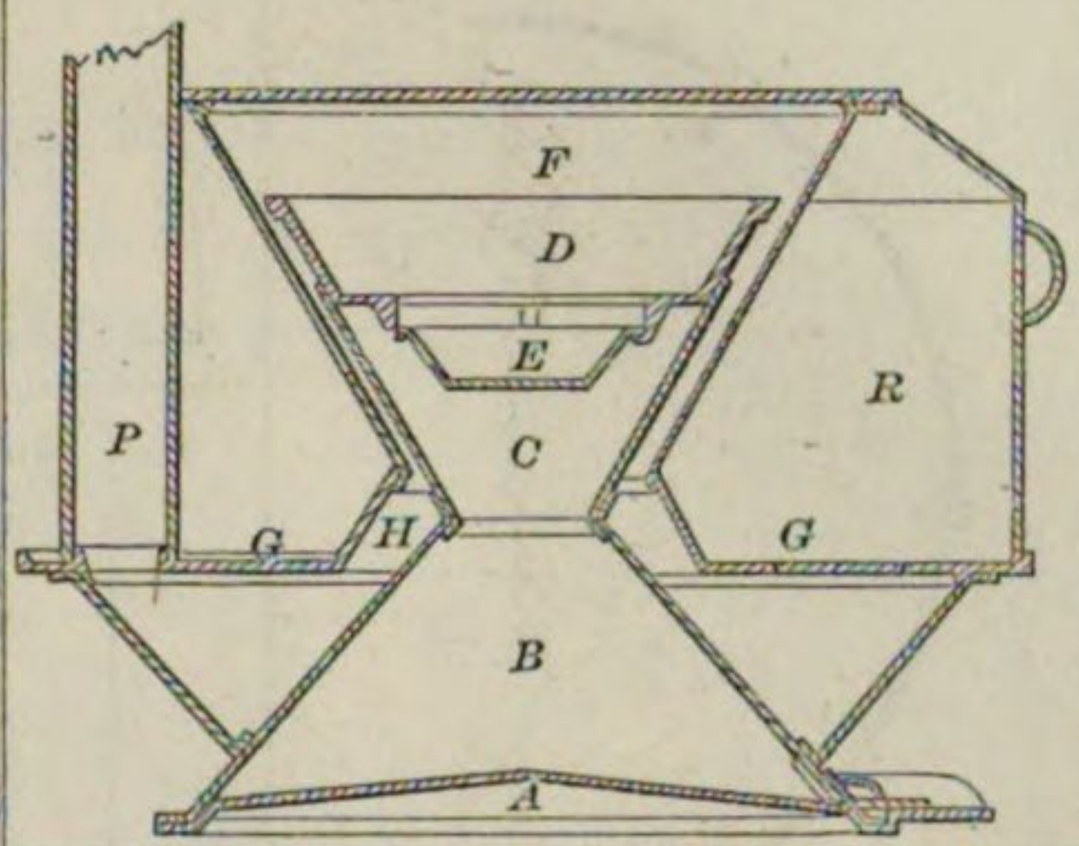


58635—A. Gordon—*Horse Hay Fork.*

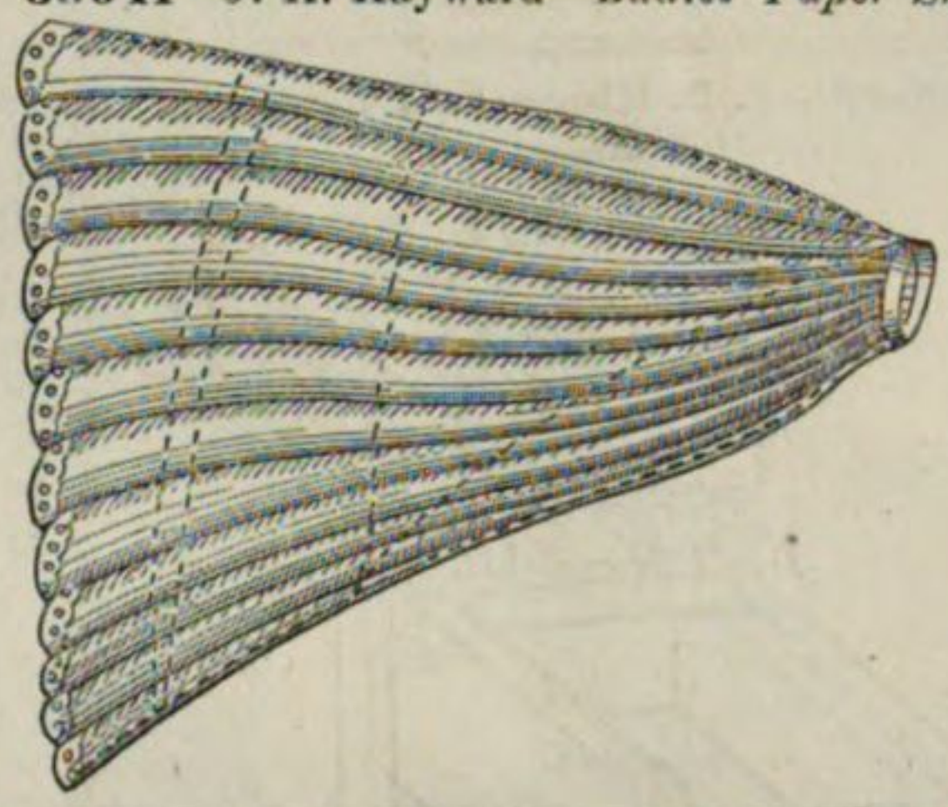
58637—S. L. Gould—*Nail Machine.*



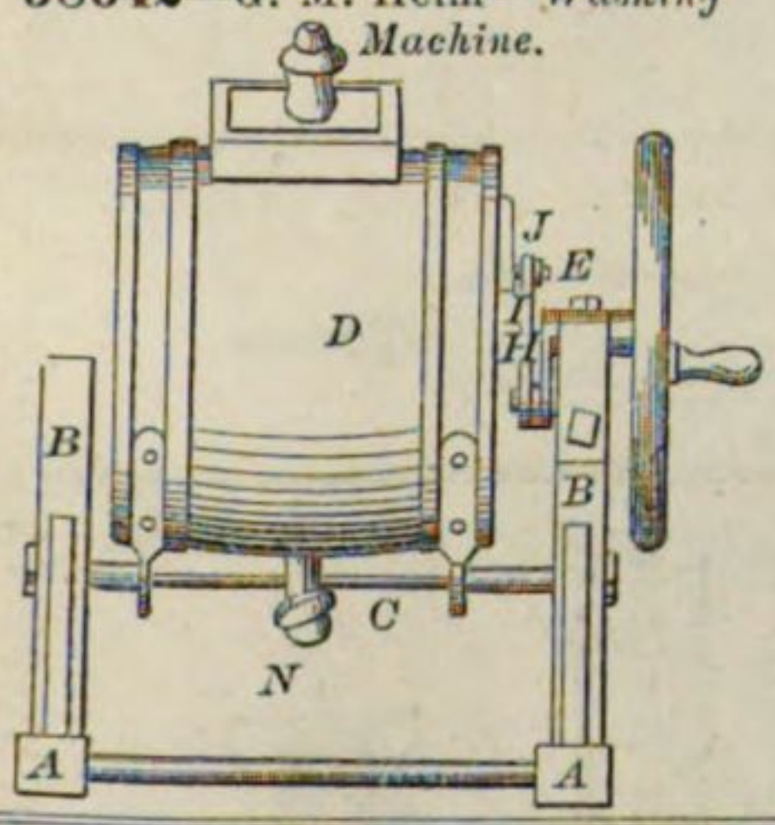
58638—D. Graves—*Cooking Stove.*



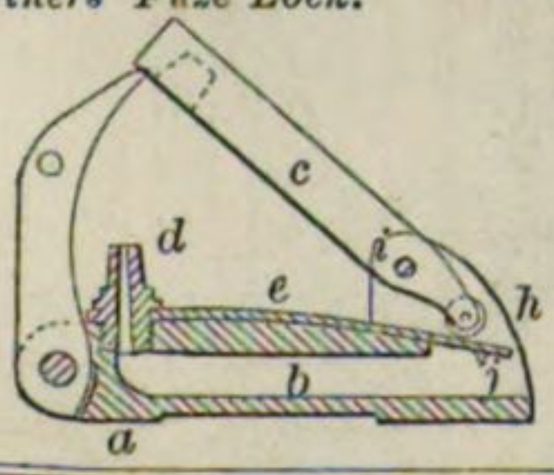
58641—J. H. Hayward—*Ladies' Paper Skirt.*



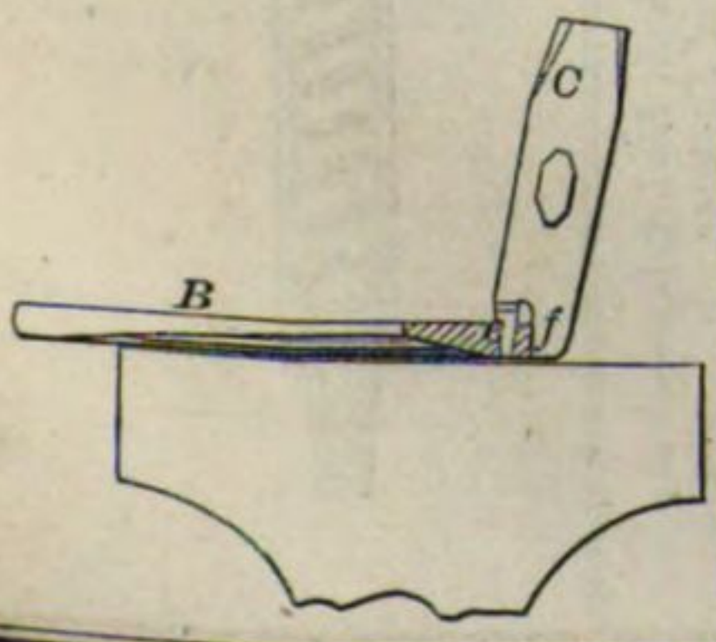
58642—G. M. Heim—*Washing Machine.*



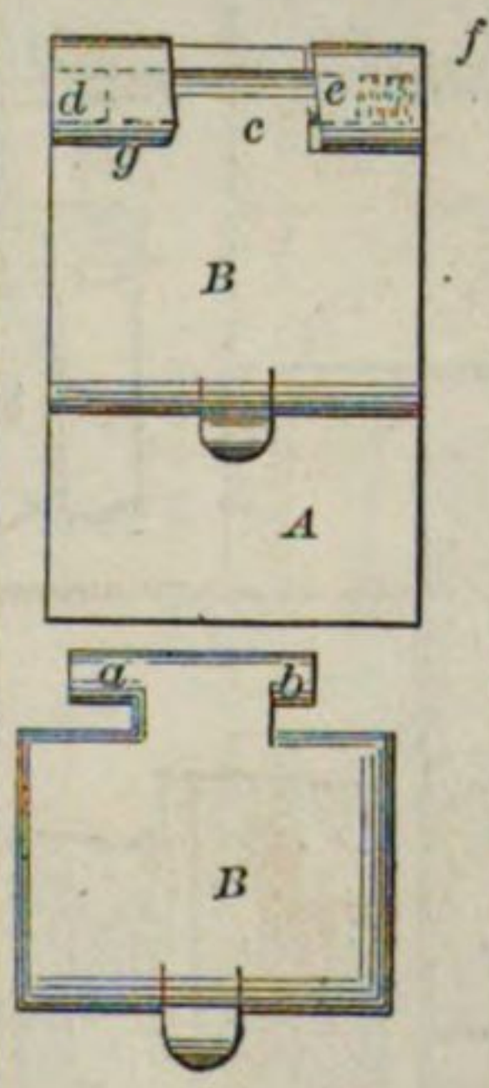
58639—G. Hagenmeyer—*Miners' Fuze Lock.*



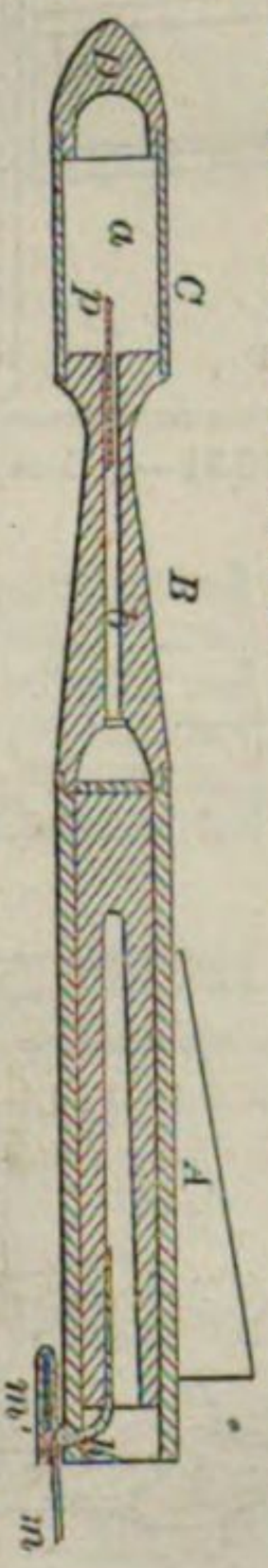
58645—C. Huie—*Horse Shoe Punch.*



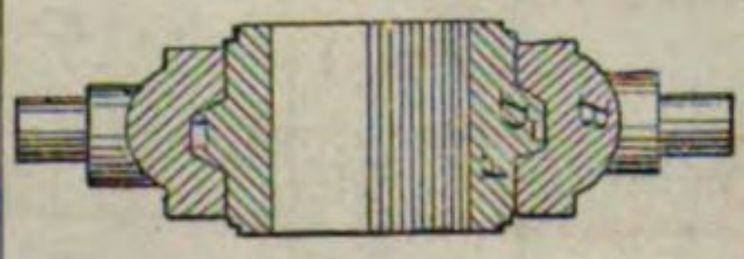
58640—F. K. Hain—*Axle Box Cover.*



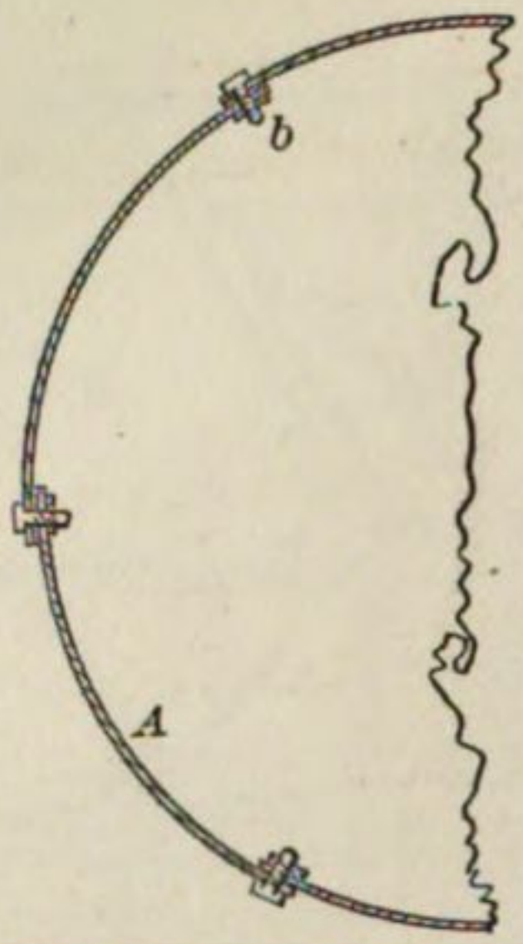
58646—E. S. Hunt—*Rocket.*



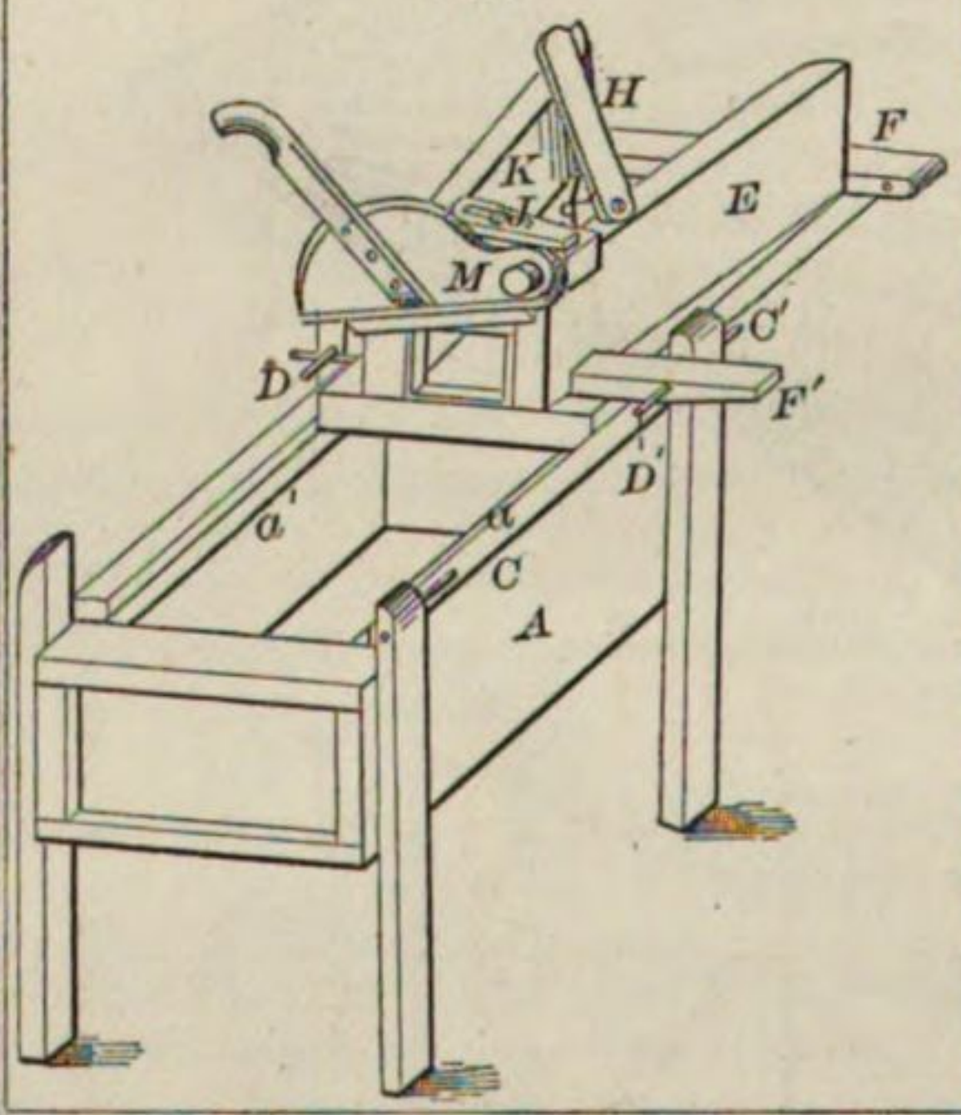
58647—A. Huston—*Hub.*



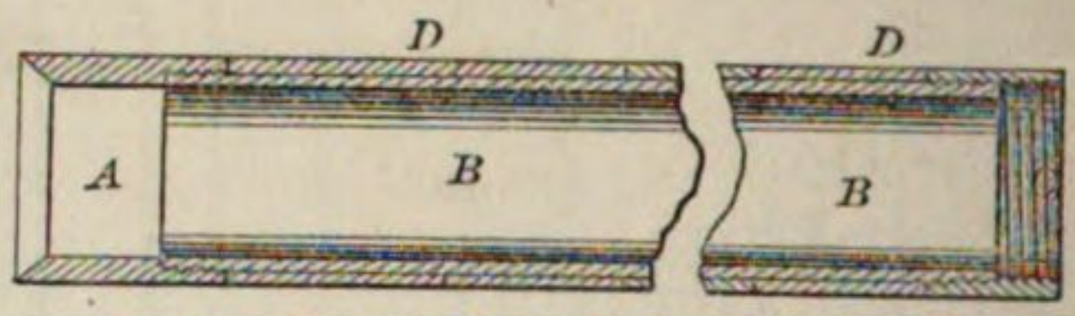
58648—T. C. Joy—*Oil Tank.*



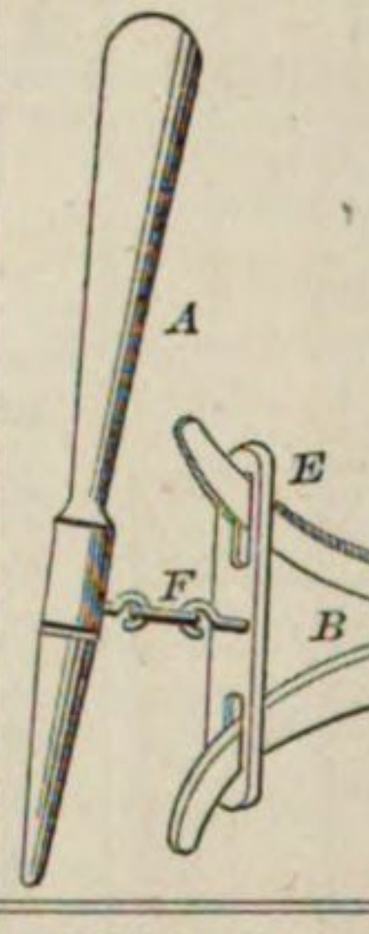
58649—A. B. King—*Feed Cutter and Box.*



58650—G. L. King—*Driving Pipe for Oil Wells.*

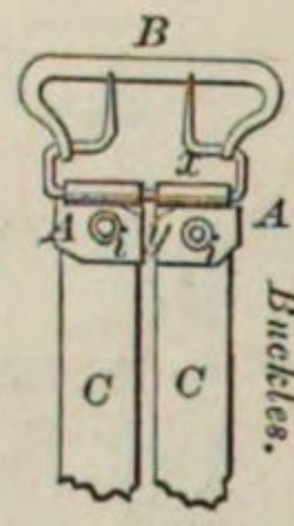


58653—C. A. Lindner—*Carpet Stretcher.*

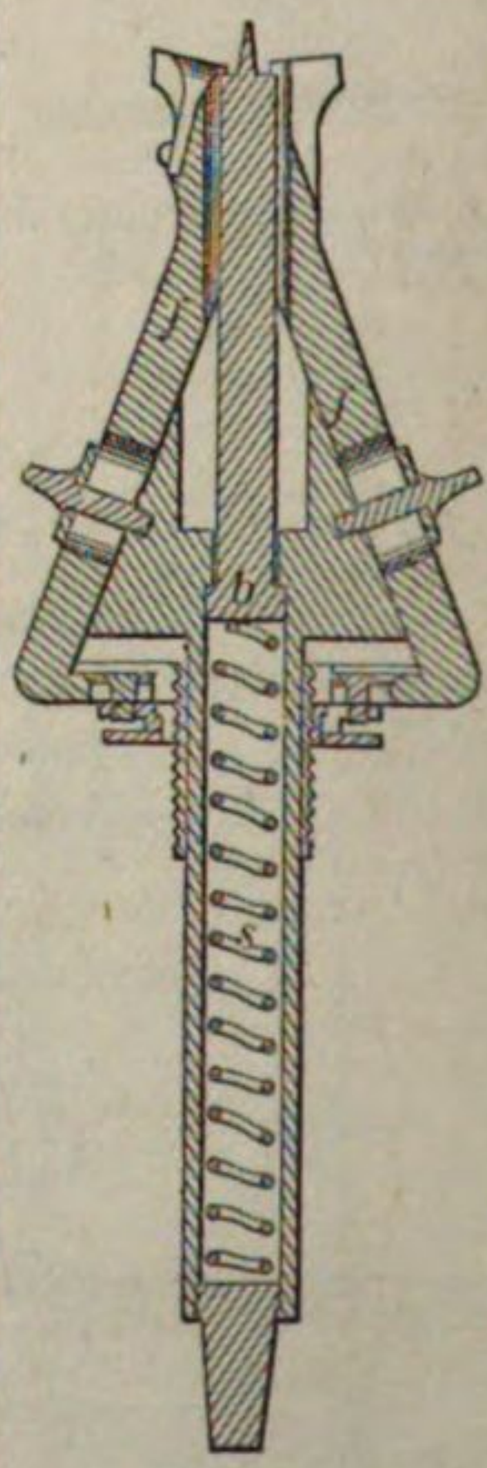


58656—H. S. Lucas—*Blasting Cartridge.*

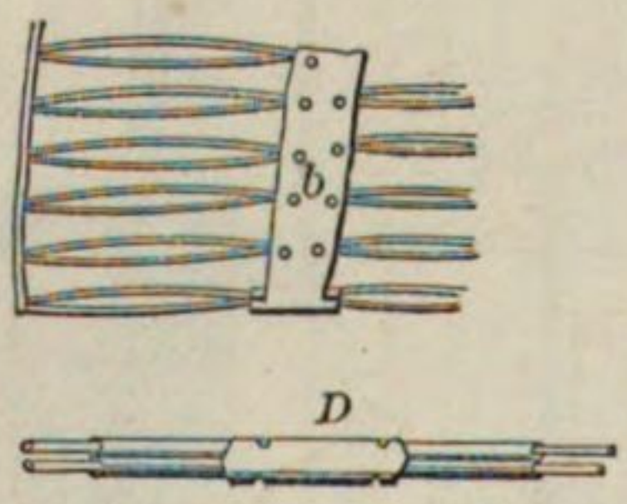
58657—H. H. Mansfield—*Metallic Fastening for Buckles.*



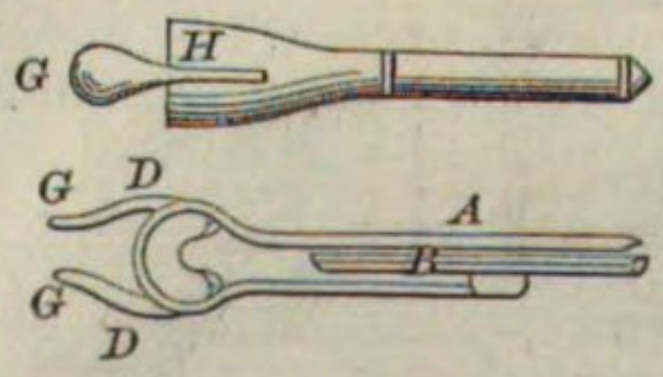
58658—J. McClure—*Hollow Auger.*



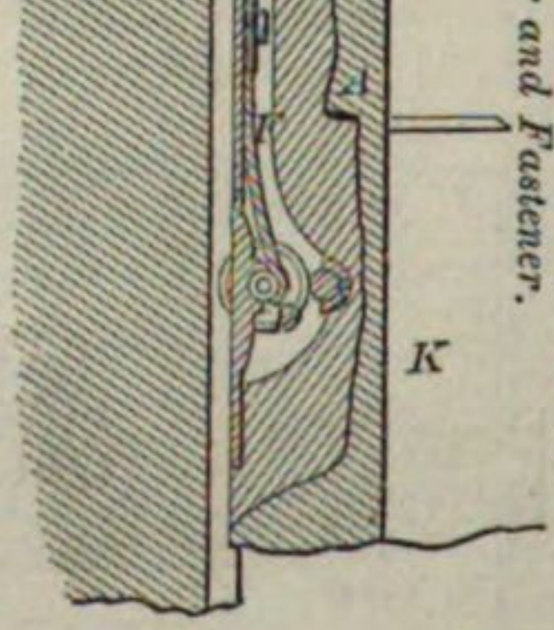
58651—J. Levy—*Skirt Hoop.*



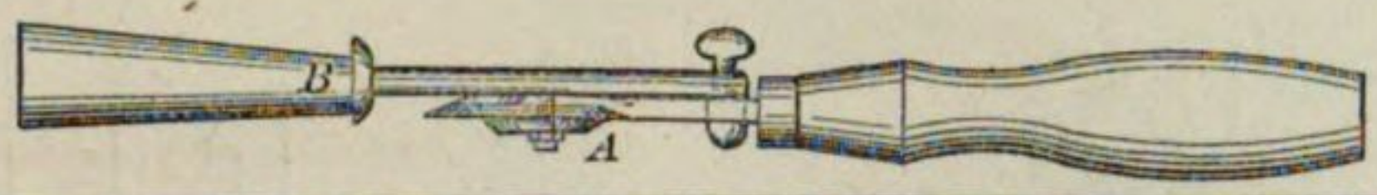
58654—F. Lindner—*For Making Button Holes.*



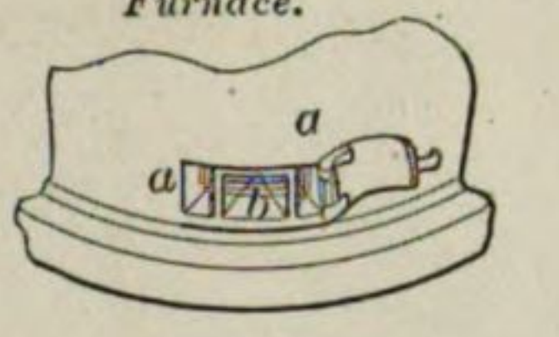
58655—J. W. & S. A. Livingston—*Sash Supporter and Fastener.*

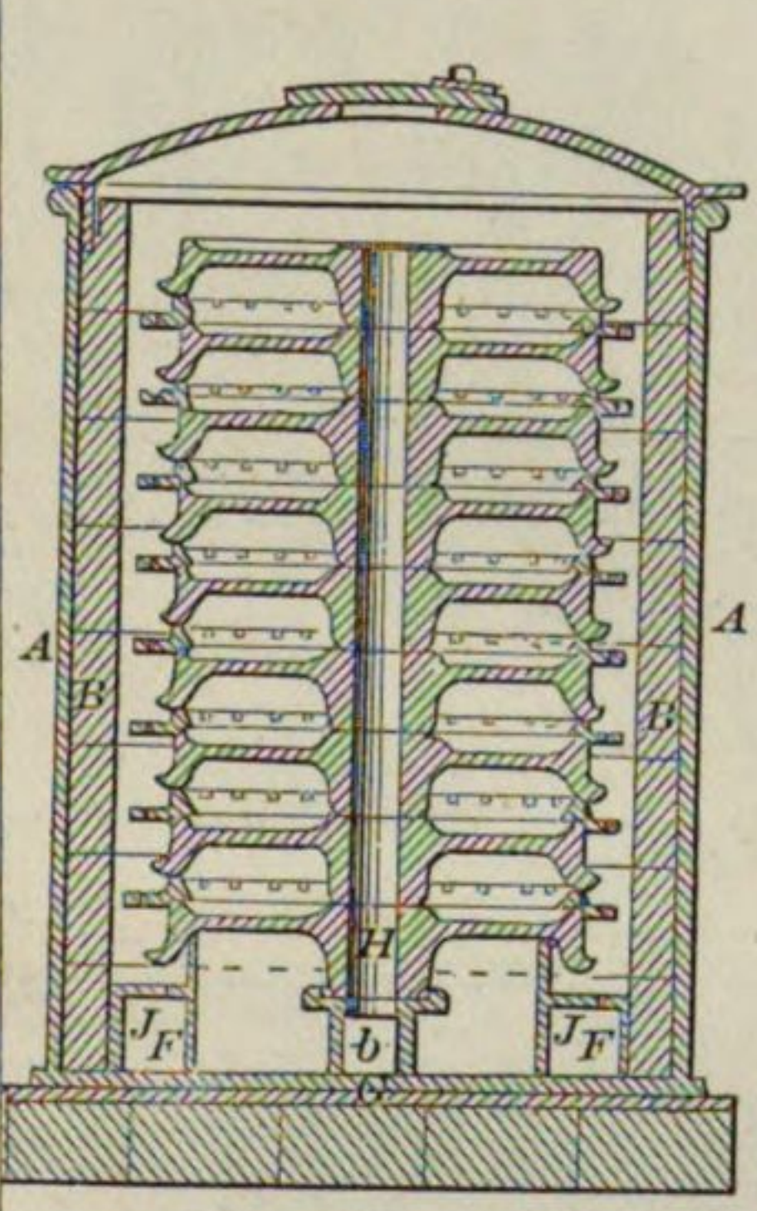


58659—C. McCrea—*Pruning Knife.*

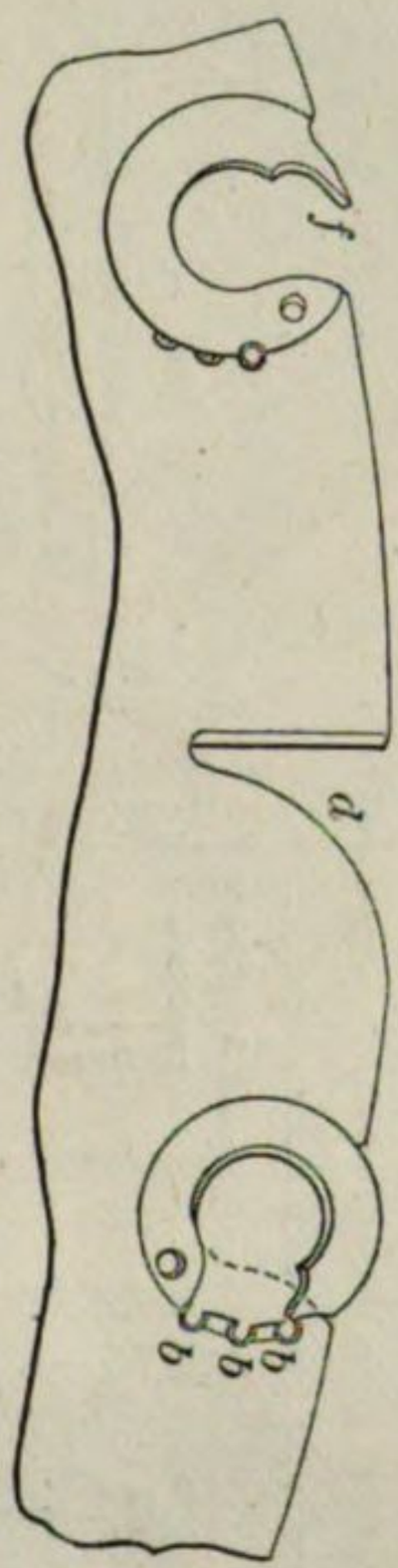


58666—H. W. Moore—*Annealing Furnace.*



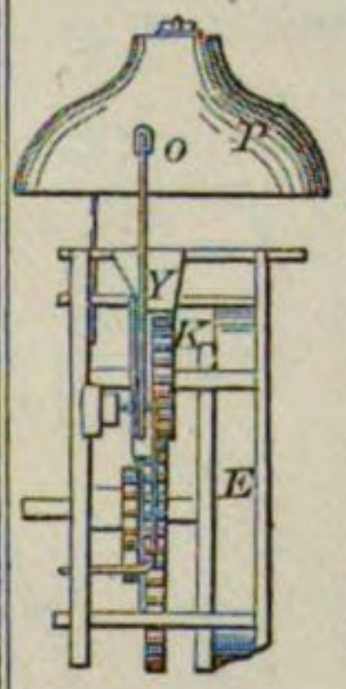


58664—W. P. Miller—*Saw.*

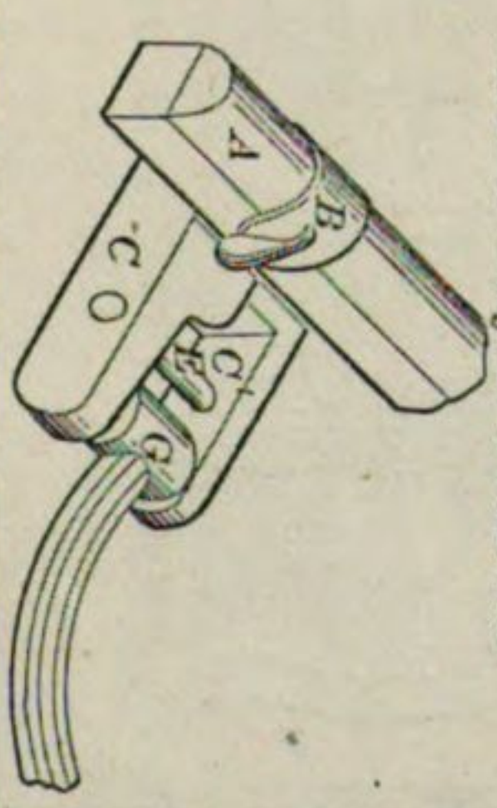


58665—G. I. Mix—*Spoon.*

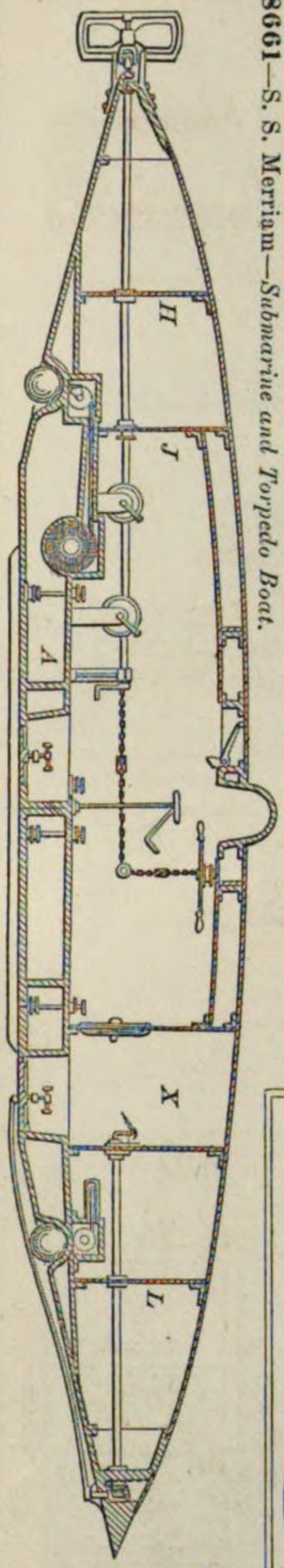
58662—E. Middleton—*Fire and Burglar Alarm.*



58663—J. S. Miller—*Attaching Thills or Tongues to Vehicles.*



58661—S. S. Meriam—*Submarine and Torpedo Boat.*



58667—G. G. W. Morgan—*Paper Fastener.*

Fig. 2

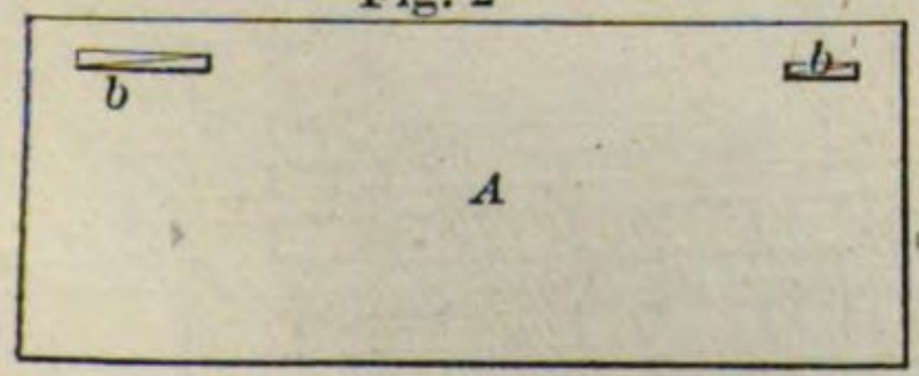


Fig. 2

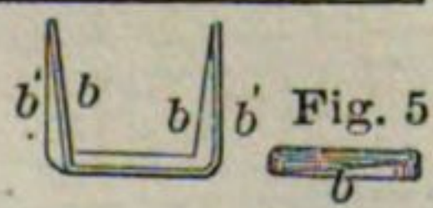
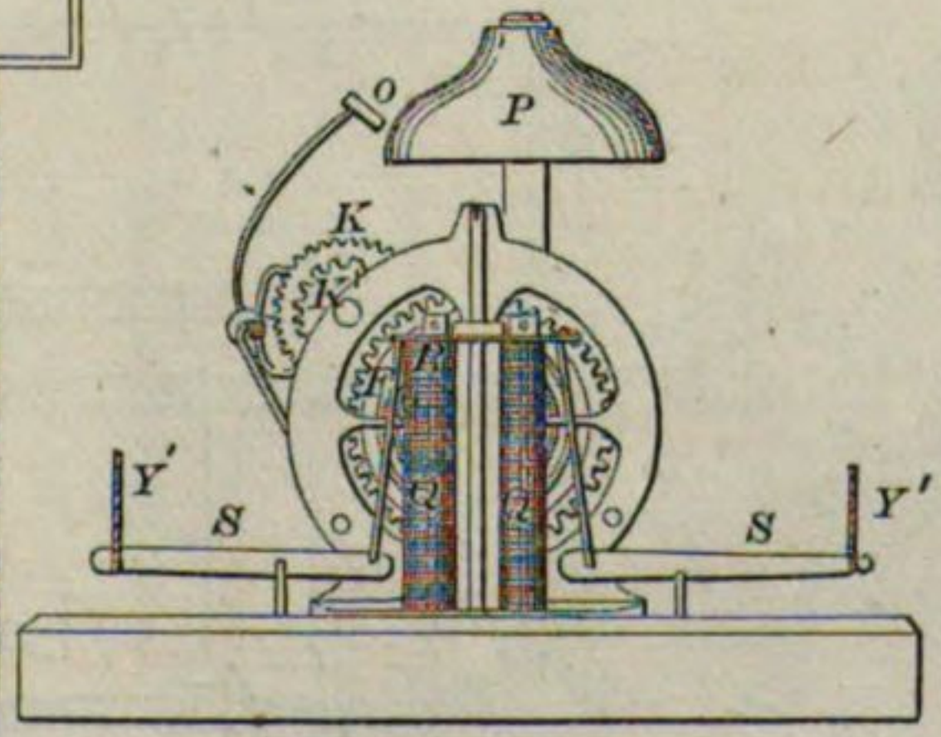
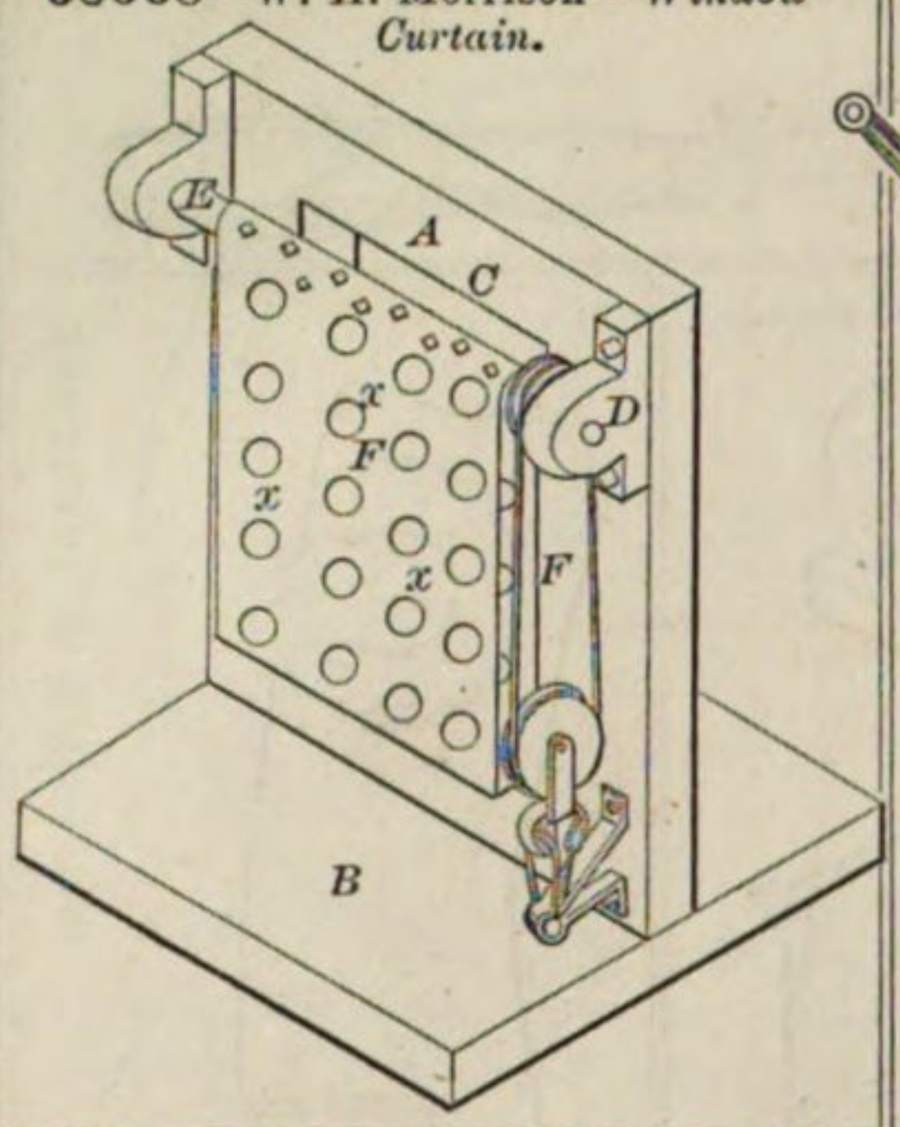


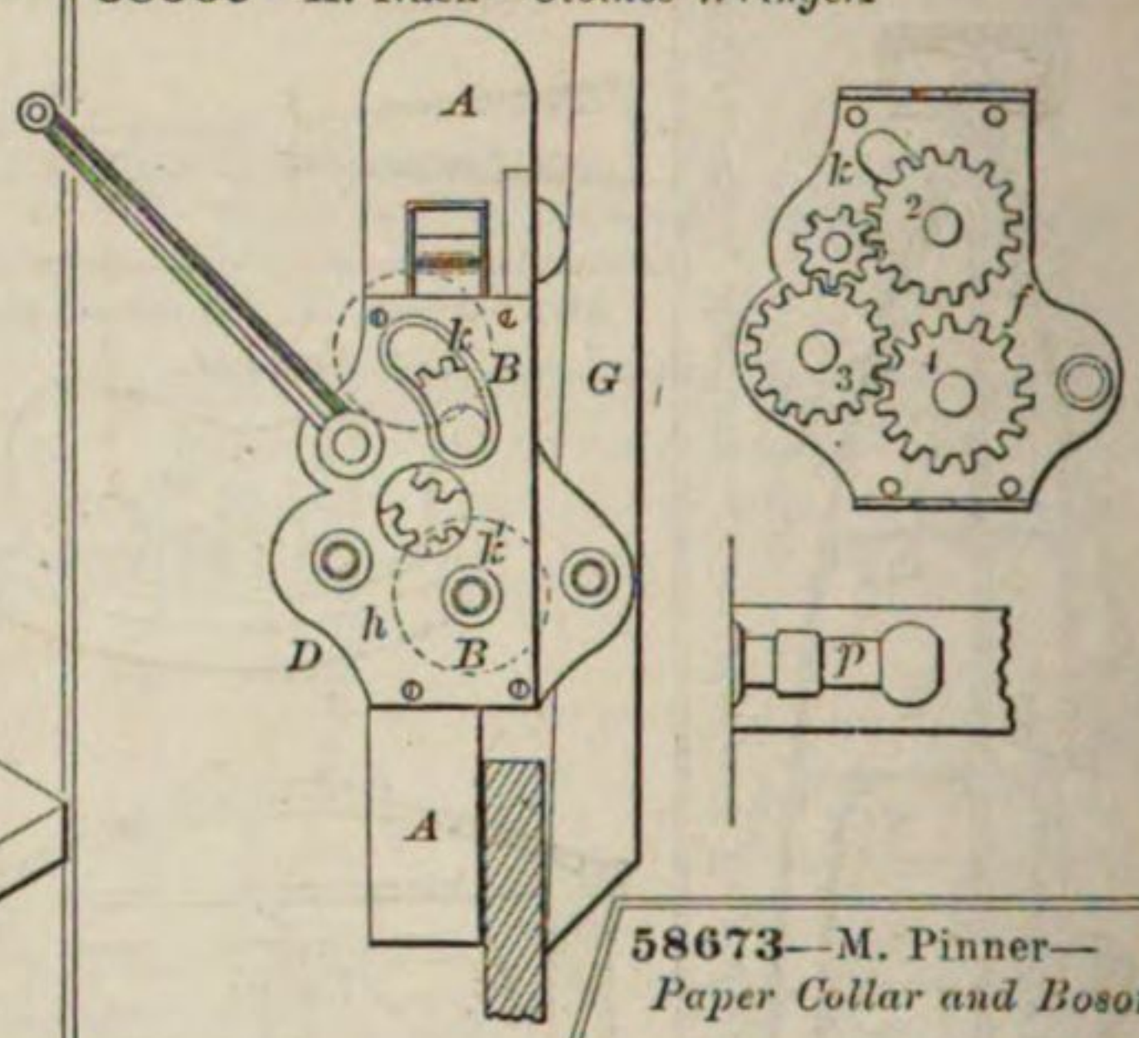
Fig. 5



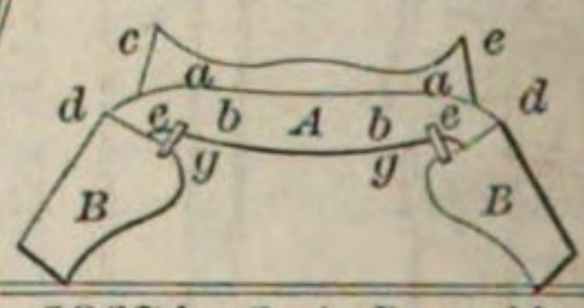
58668—W. H. Morrison—*Window Curtain.*



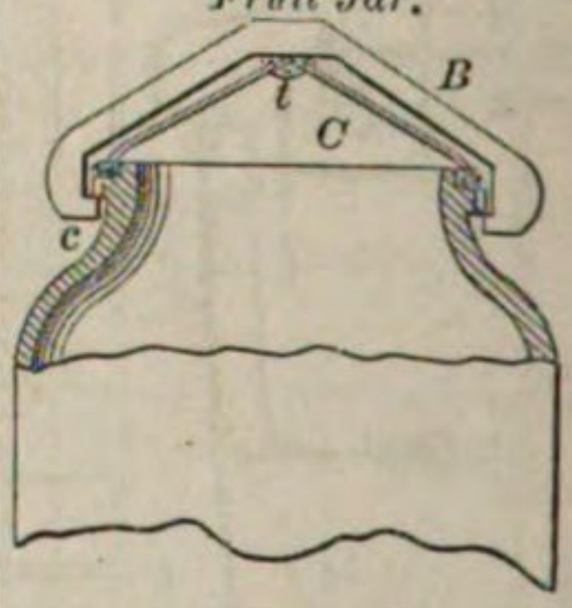
58669—H. Nash—*Clothes Wringer.*



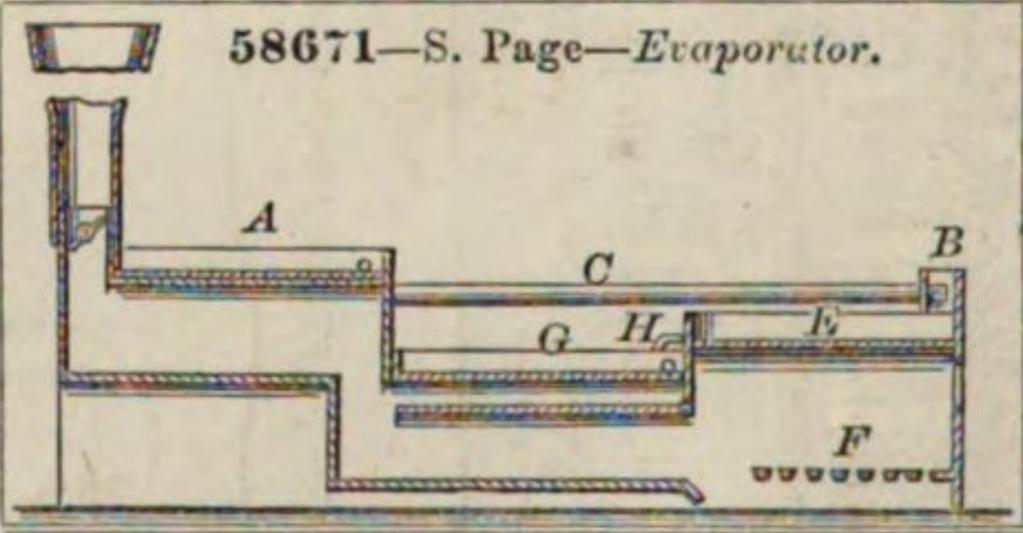
58673—M. Pinner—*Paper Collar and Bosom.*



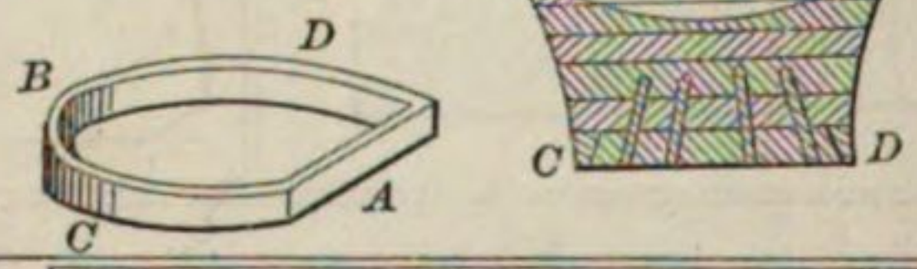
58674—G. A. Reynolds—*Fruit Jar.*



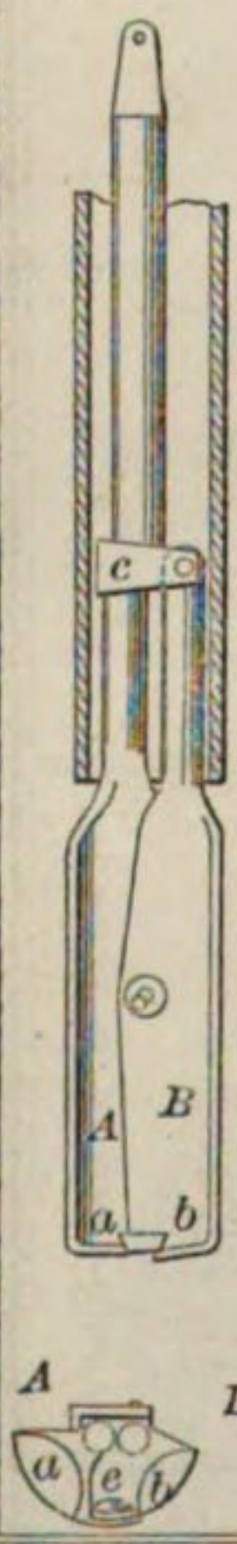
58671—S. Page—*Evaporator.*



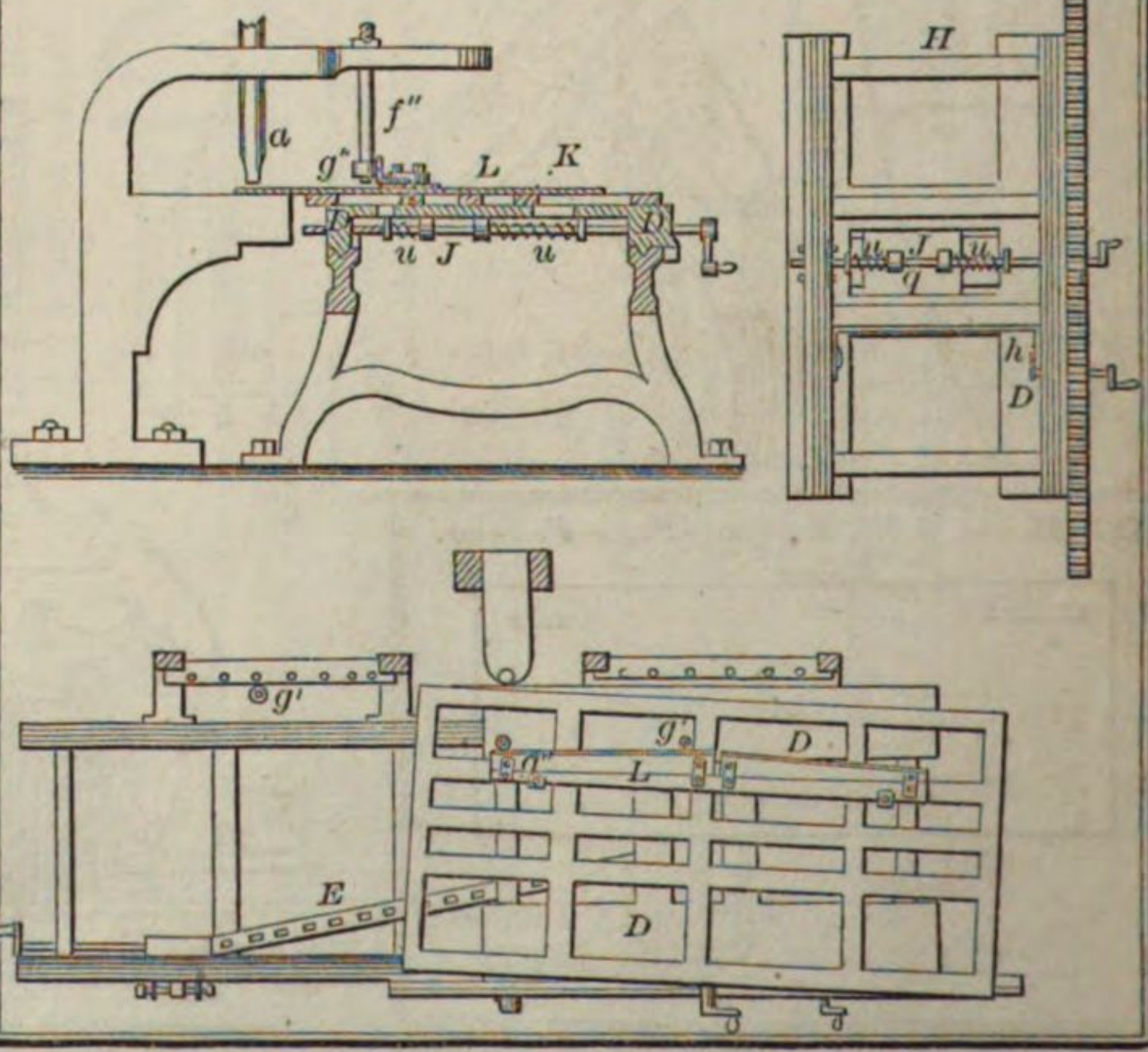
58675—W. M. Rice—*Heel Iron.*



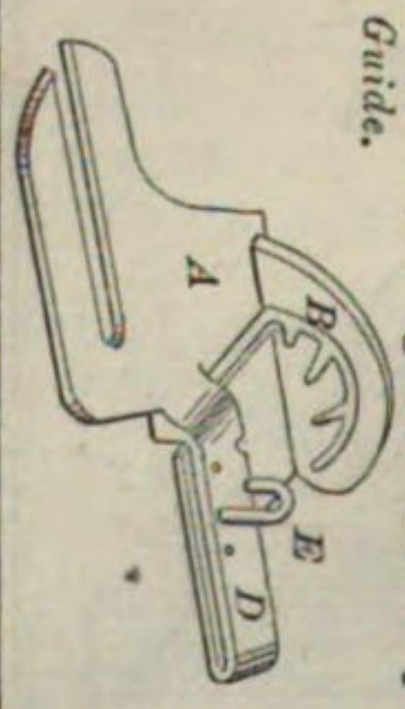
58672—J. T. Parker—*Well Borer.*



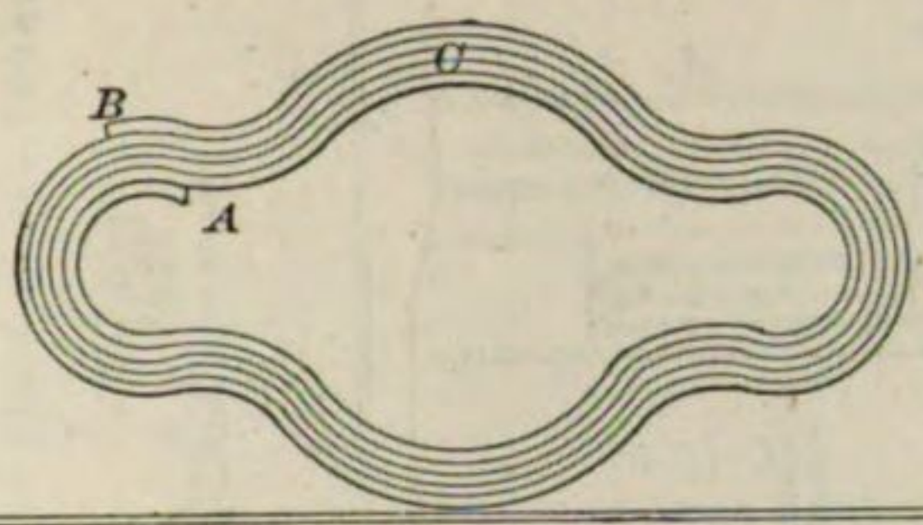
58676—Riter & Farquhar—*For Punching Sheets of Metal.*



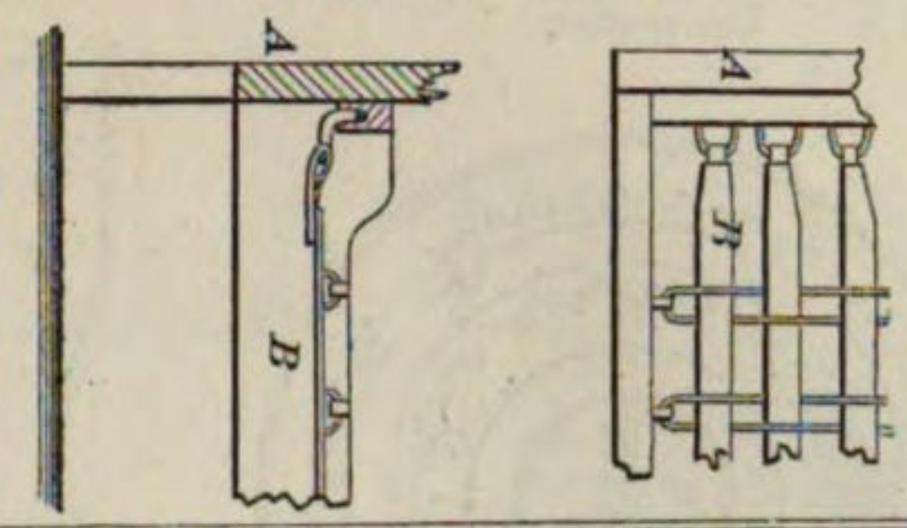
58670—S. D. Ogburn—*Hemming Guide.*



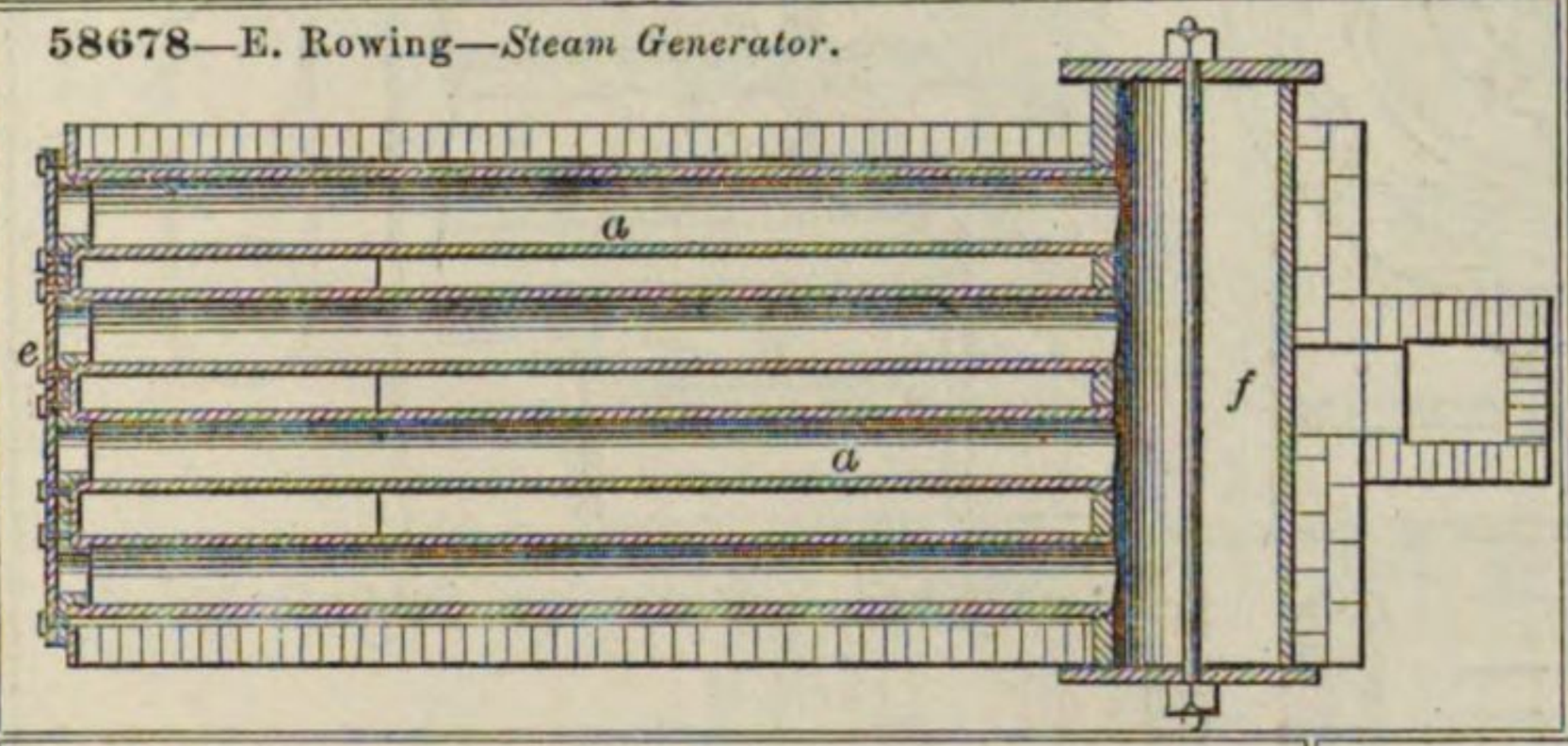
58677—A. H. Rowand—*Car Spring.*



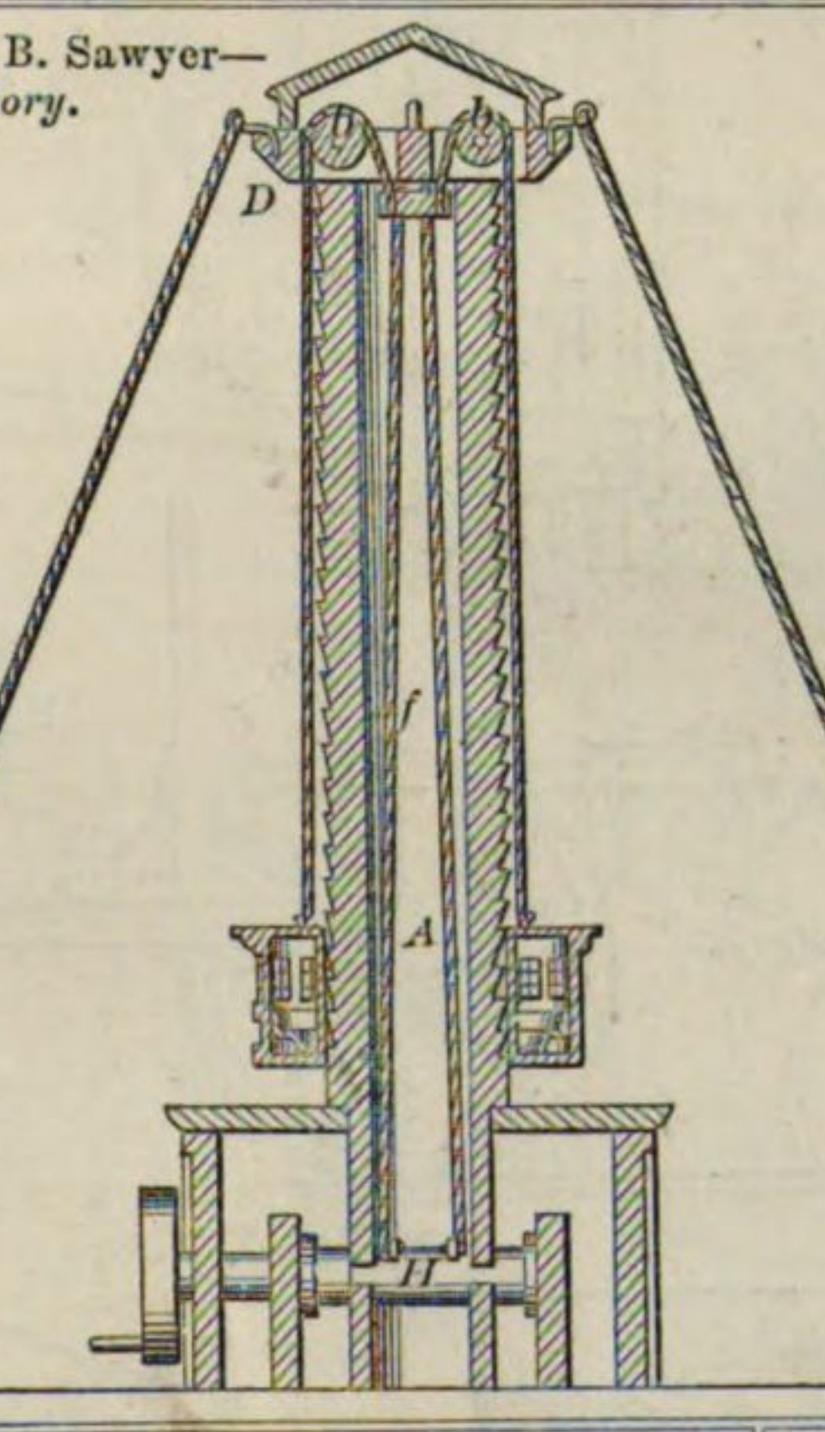
58679—R. S. Sanborn—*Bed Bottom.*



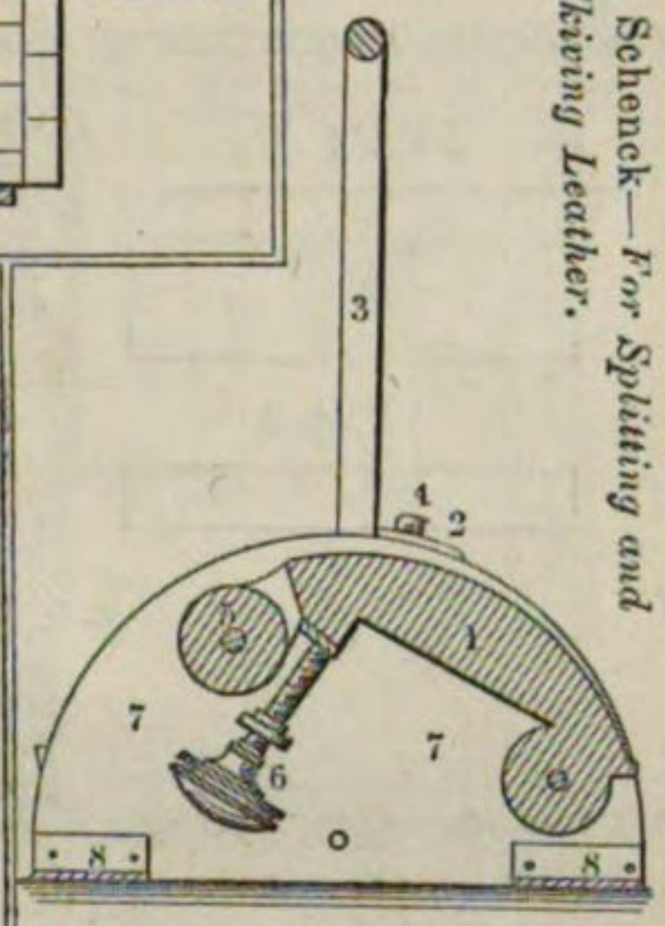
58678—E. Rowing—*Steam Generator.*



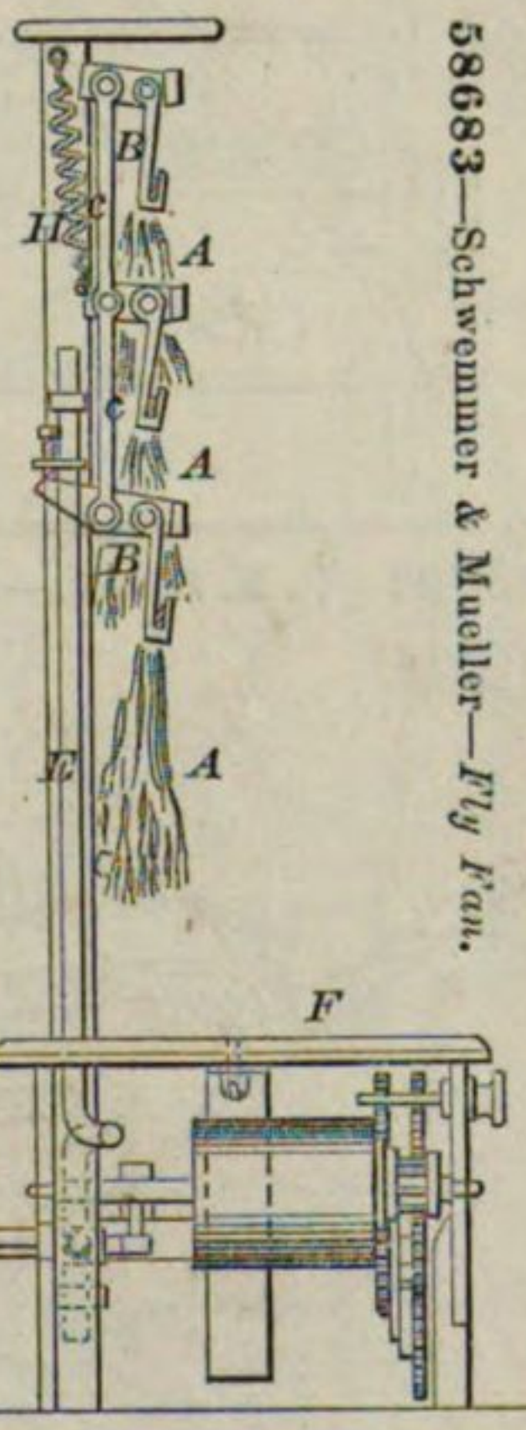
58680—L. B. Sawyer—*Observatory.*



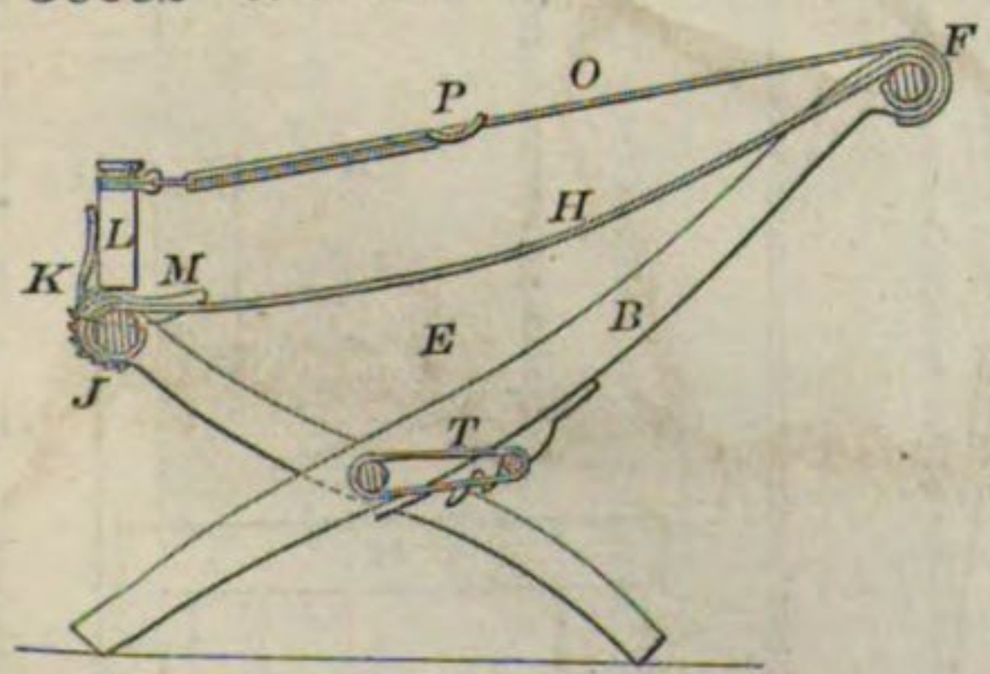
58681—S. H. Schenck—*For Splitting and Skiving Leather.*



58683—Schwemmer & Mueller—*Fly Fan.*

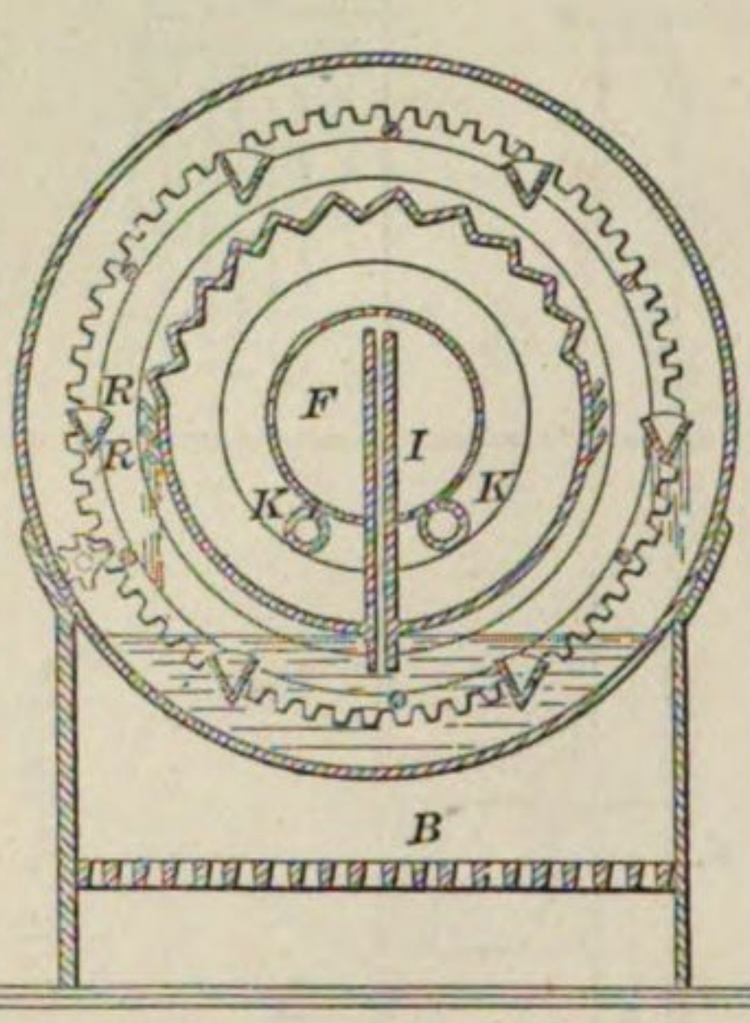


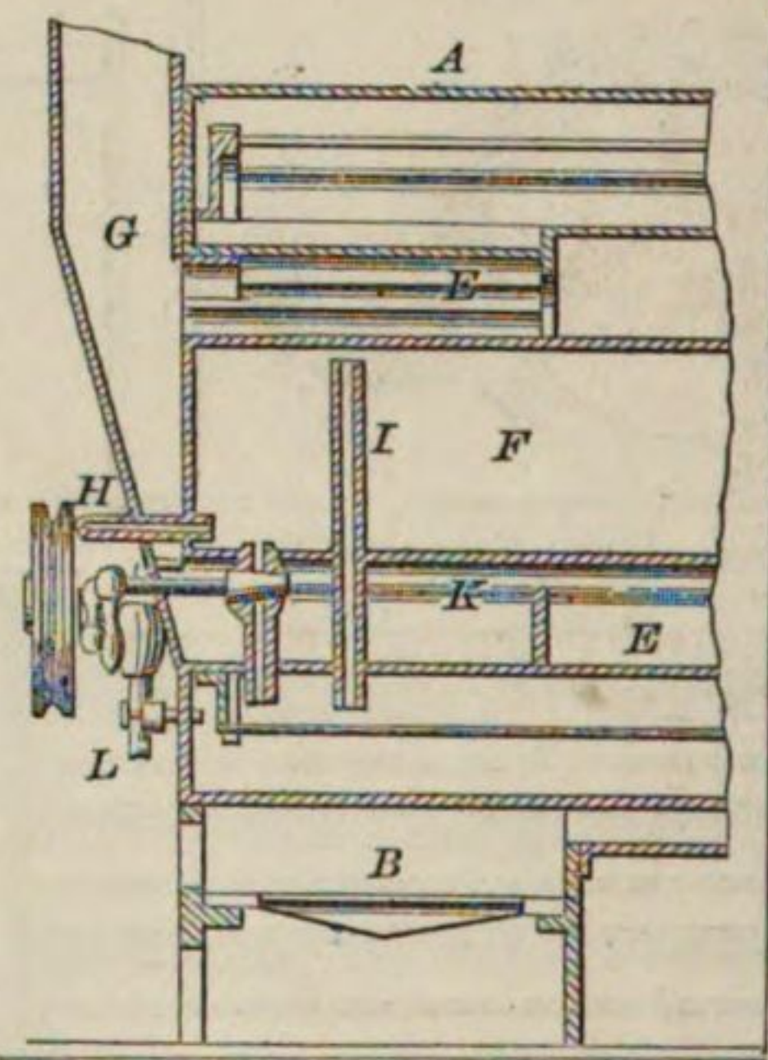
58682—C. C. Schmitt—*Chair.*



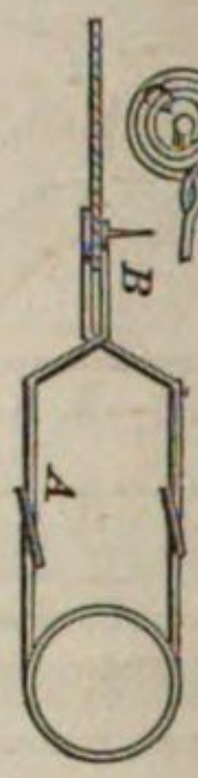
58684—A. G. Shaver—*Eraser and Burnisher.*

58685—S. Sherman—*Steam Generator.*





58687—D. M. Smith—*Paper Holder.*



58686—S. Shuck—*Cigarette.*

Fig. 1

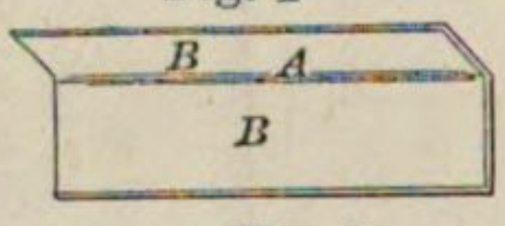
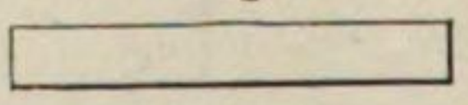
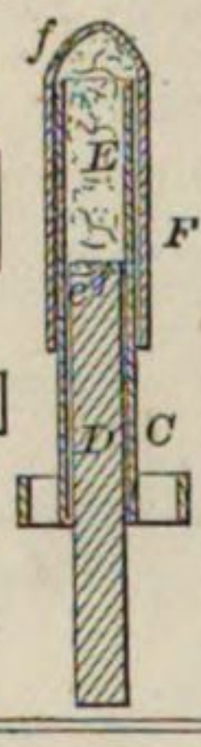
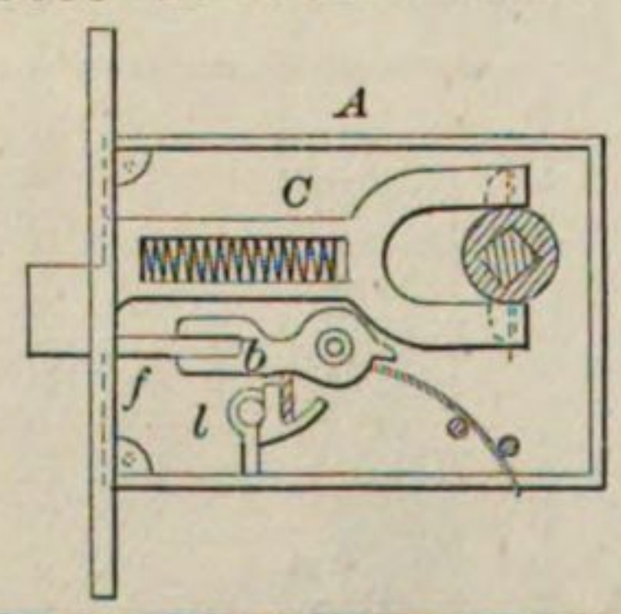


Fig. 2

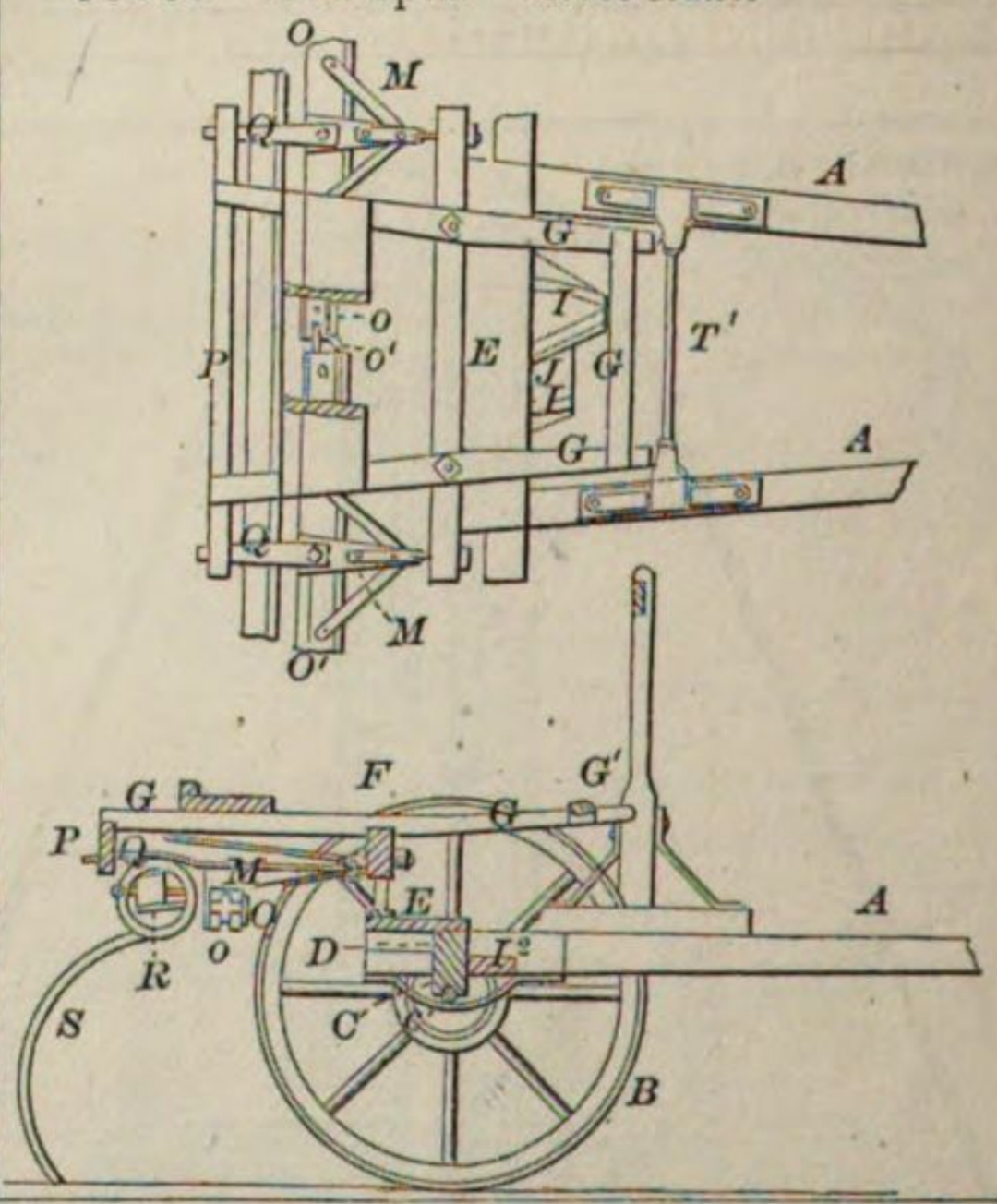




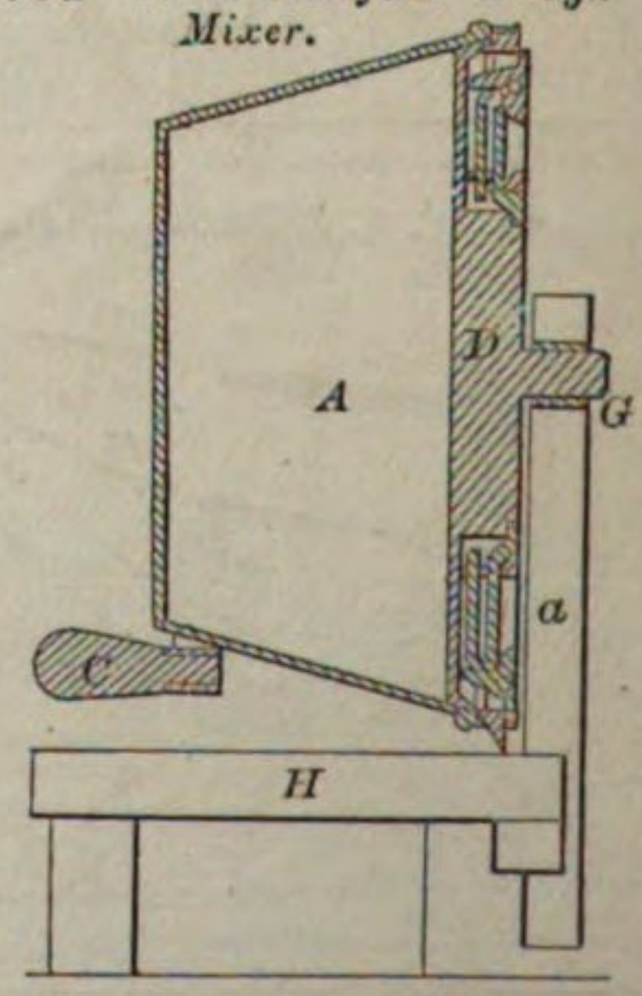
58688—A. W. Snow—*Lock.*



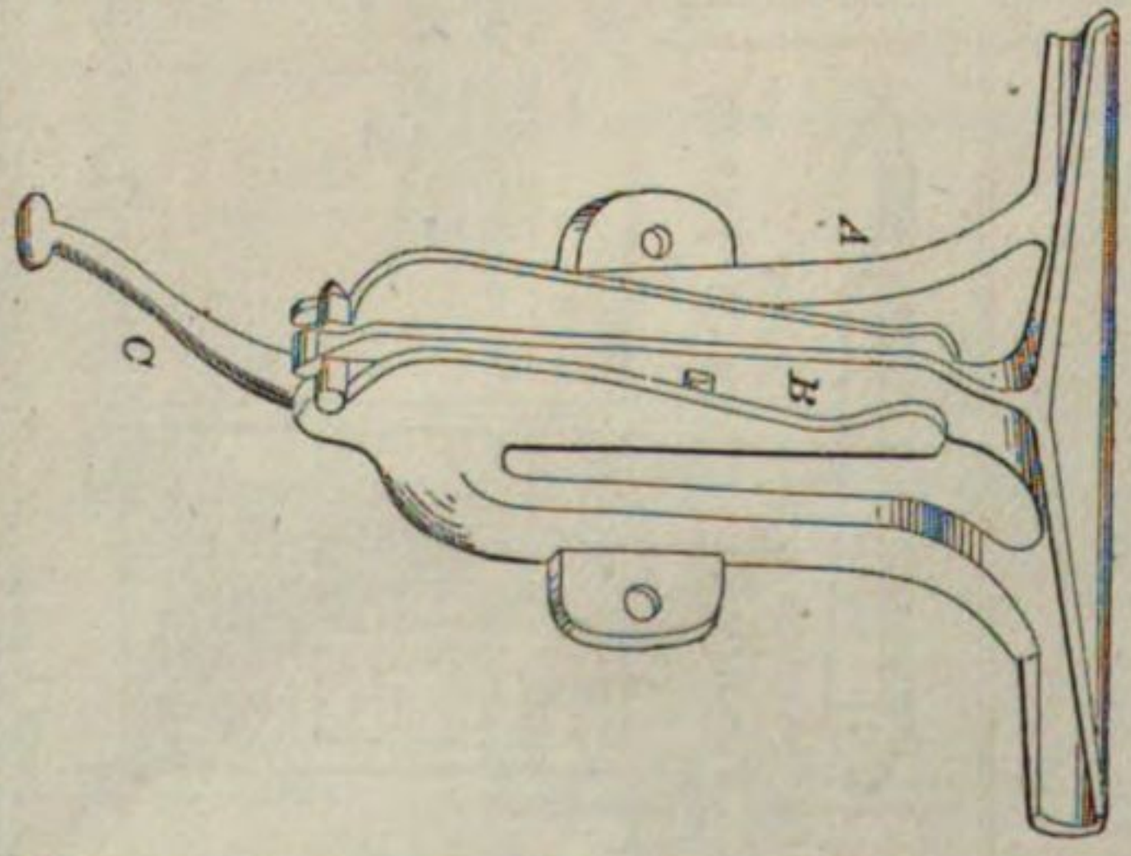
58689—J. A. Spear—*Horse Rake.*



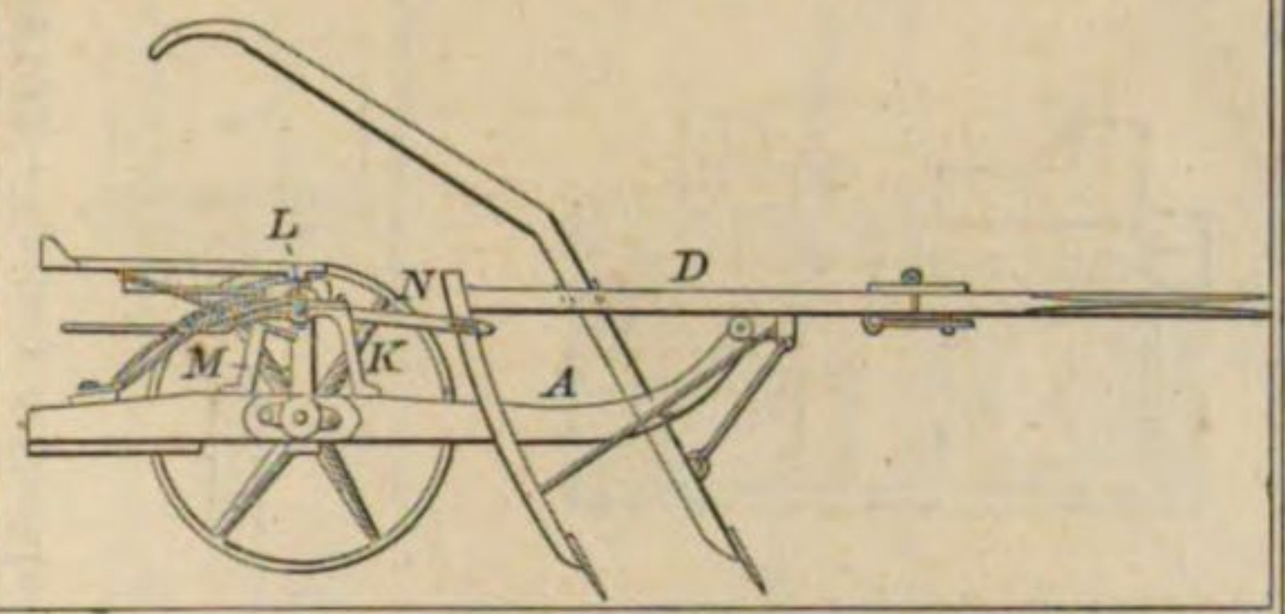
58691—J. M. Stanyan—*Dough Mixer.*



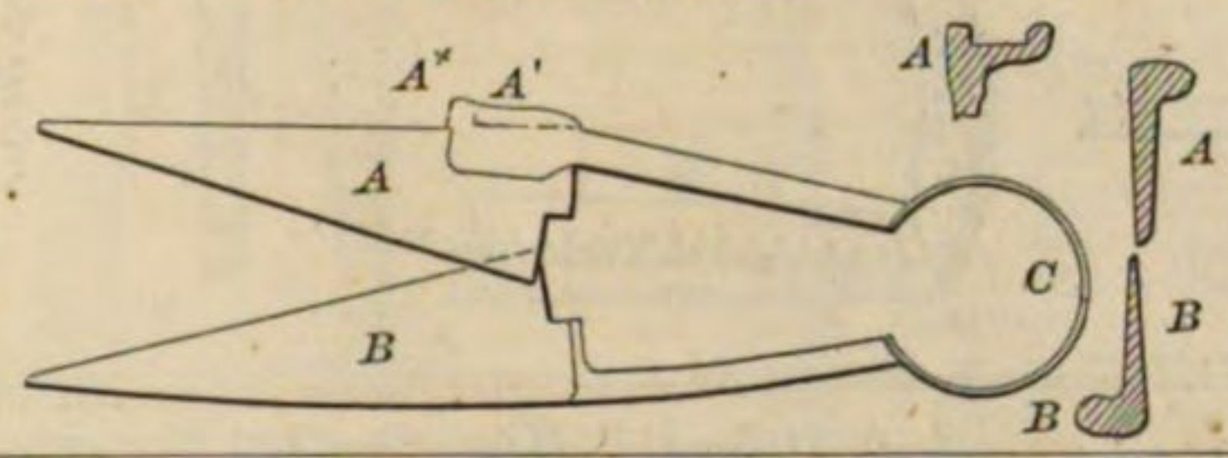
58692—G. N. Stearns—*Saw Holding Vise.*



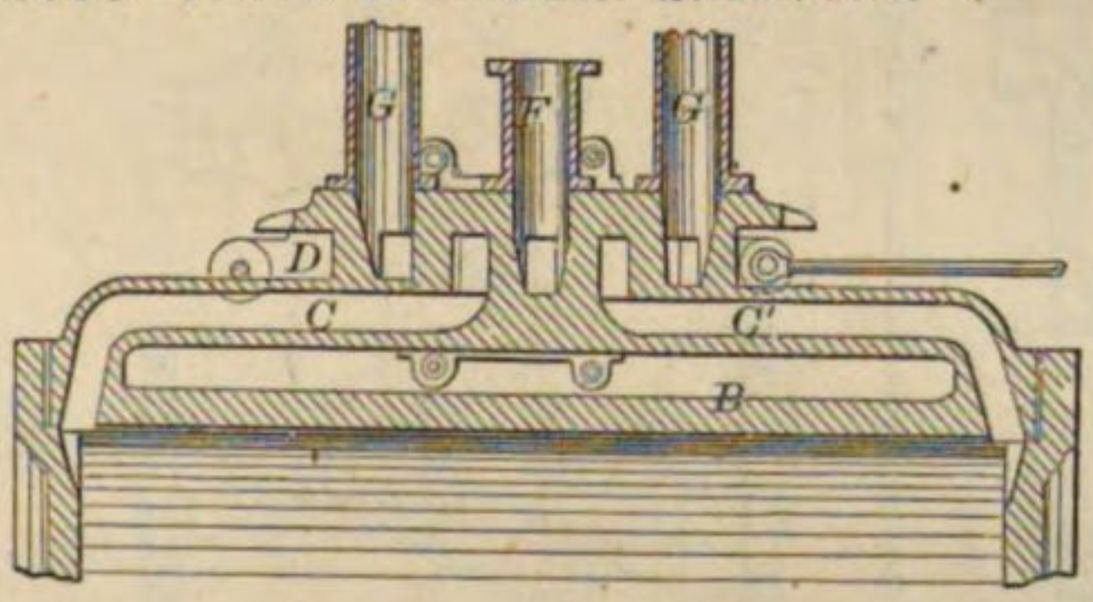
58693—L. O. Stevens—*Corn Cultivator.*



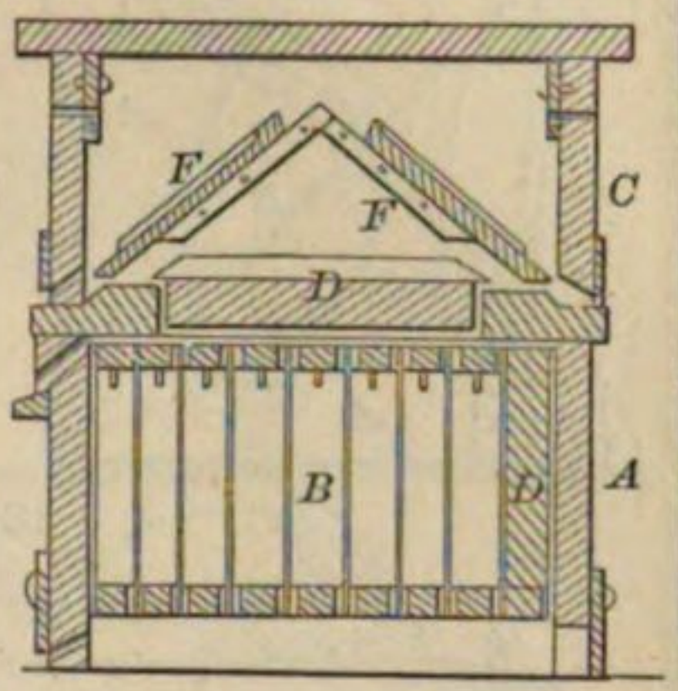
58695—J. A. Strong—*Sheep Shears.*



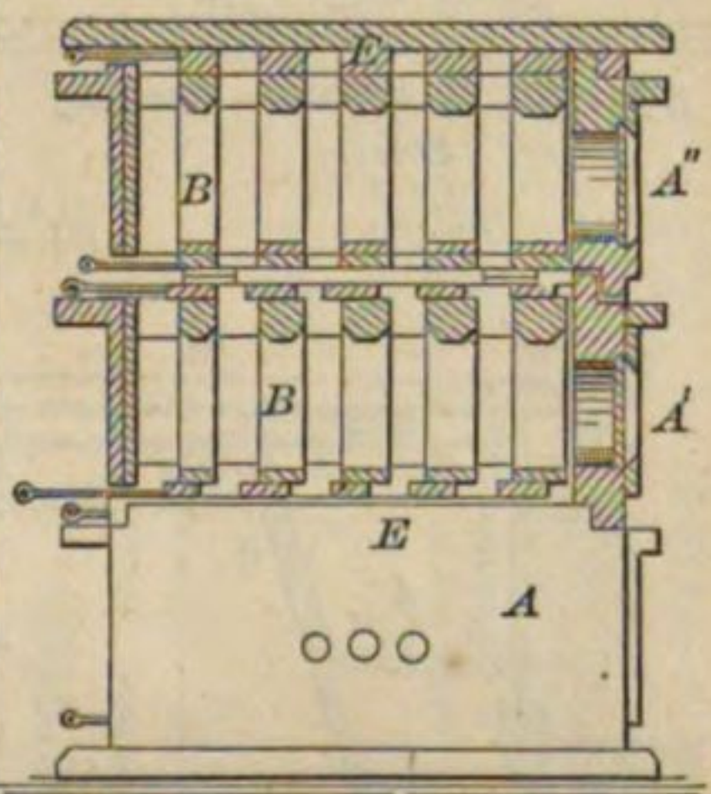
58699—J. H. Wait—*Balance Slide Valve.*



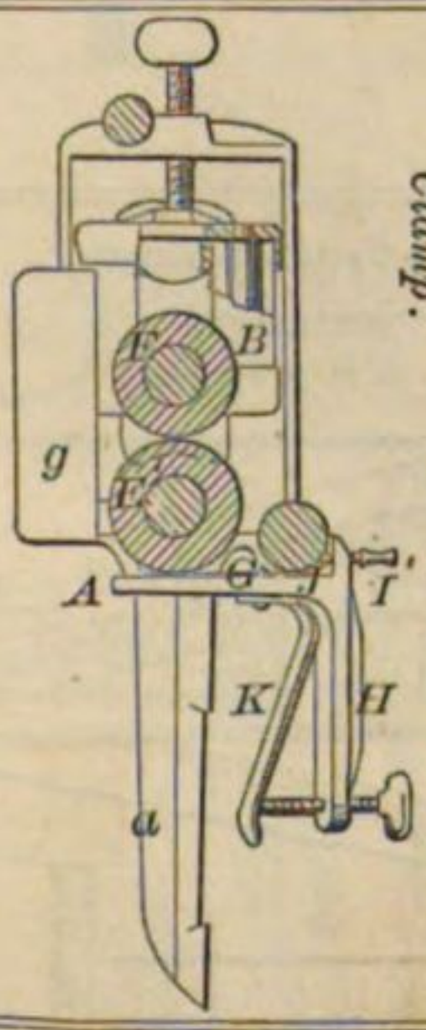
58697—H. A. Tozier—*Beehive.*



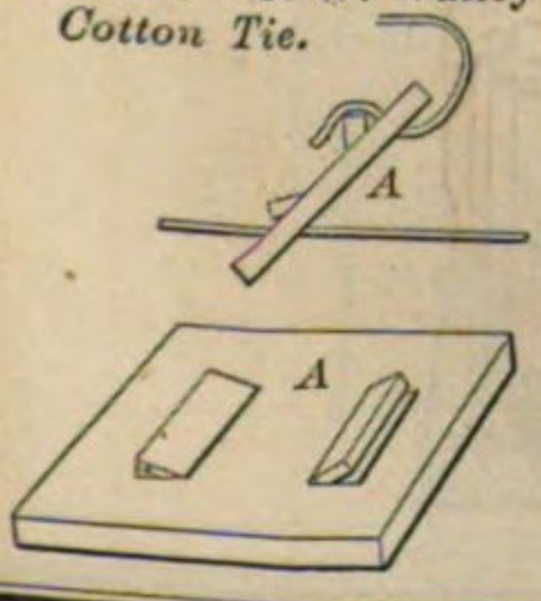
58696—S. Taylor—*Beehive.*



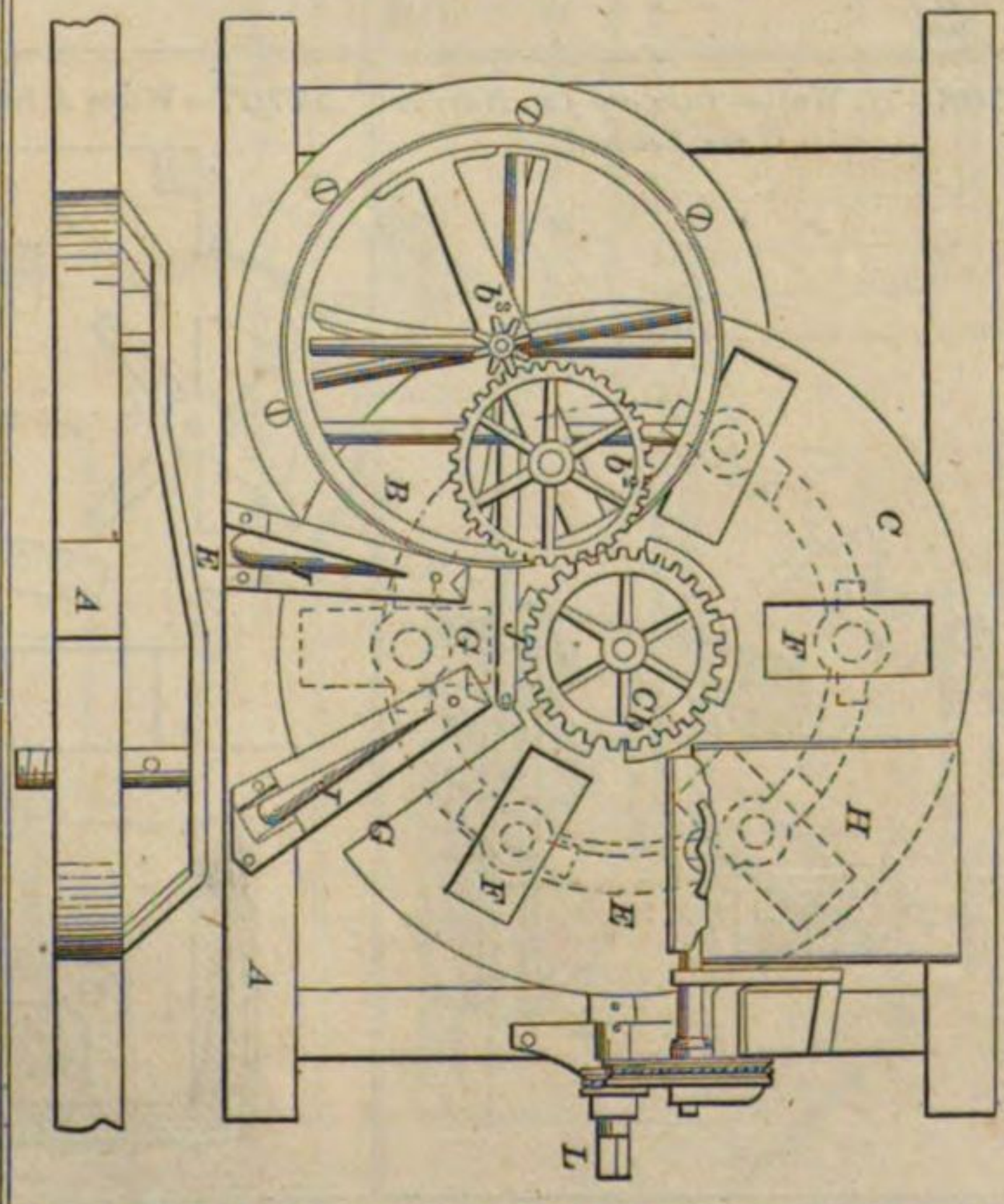
58694—J. Stimpson—*Wringing Machine Clamp.*



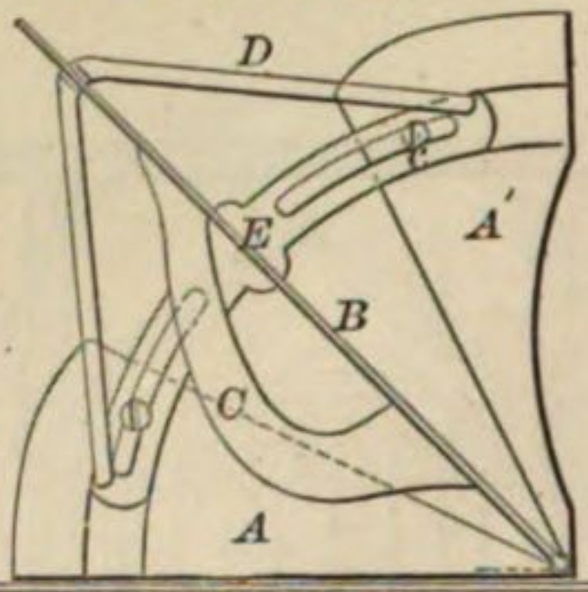
58698—C. W. Wailey—*Cotton Tie.*



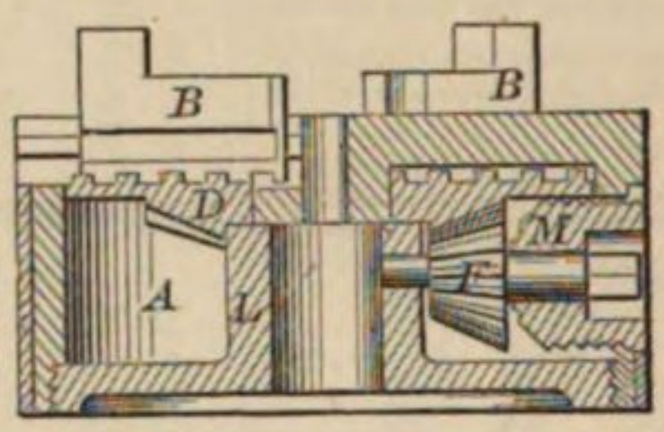
58700—W. H. Walrath—*For Pressing Brick.*



58701—C. P. Walter—*Plastering Mould for Cornices.*

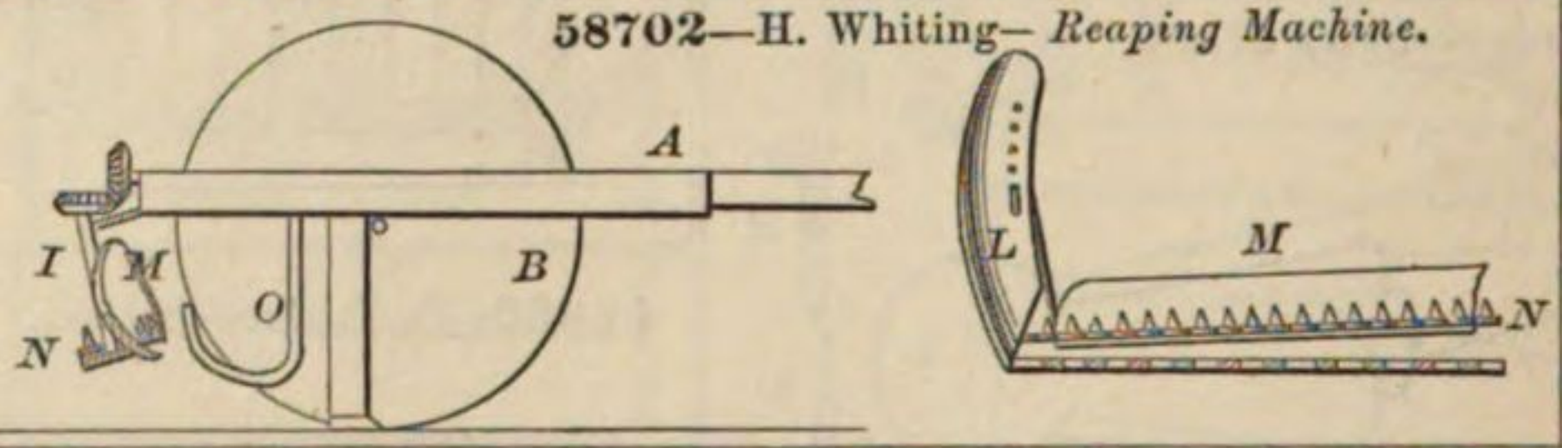


58704—D. E. Whiton—*Chuck.*

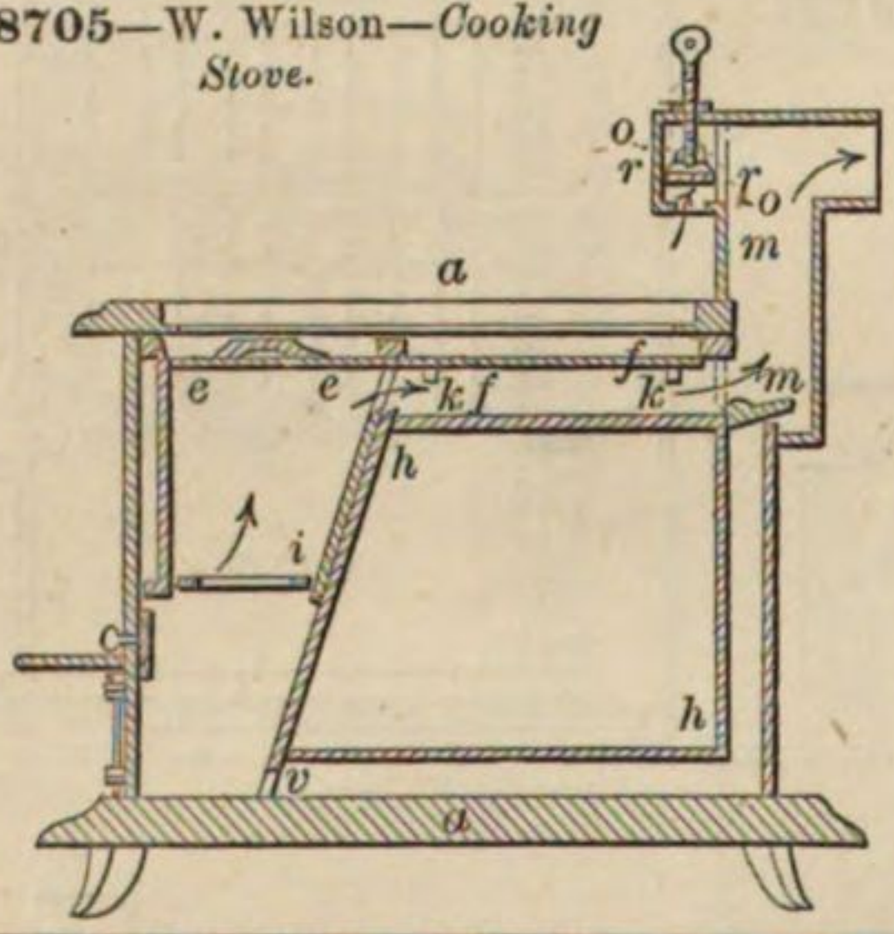


58703—Whitney & Stockin—*Mop Head.*

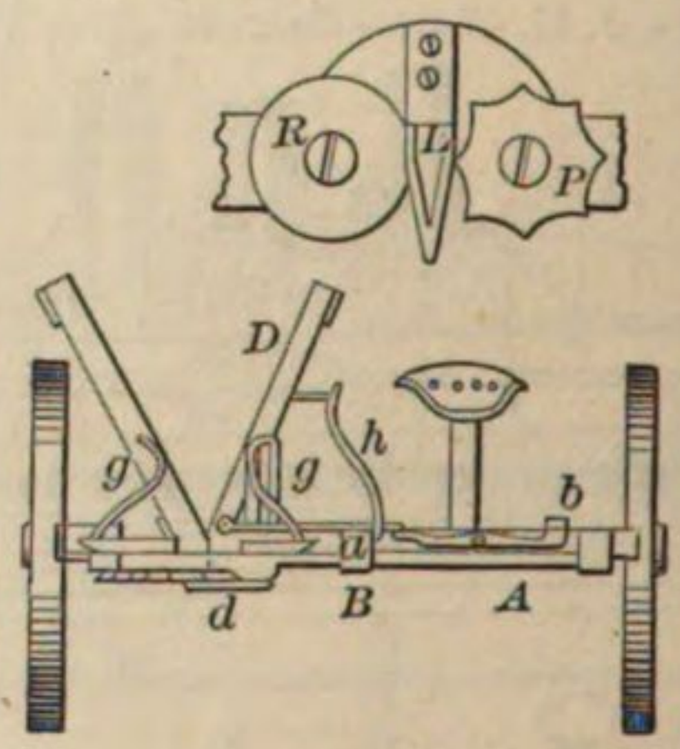
58702—H. Whiting—*Reaping Machine.*



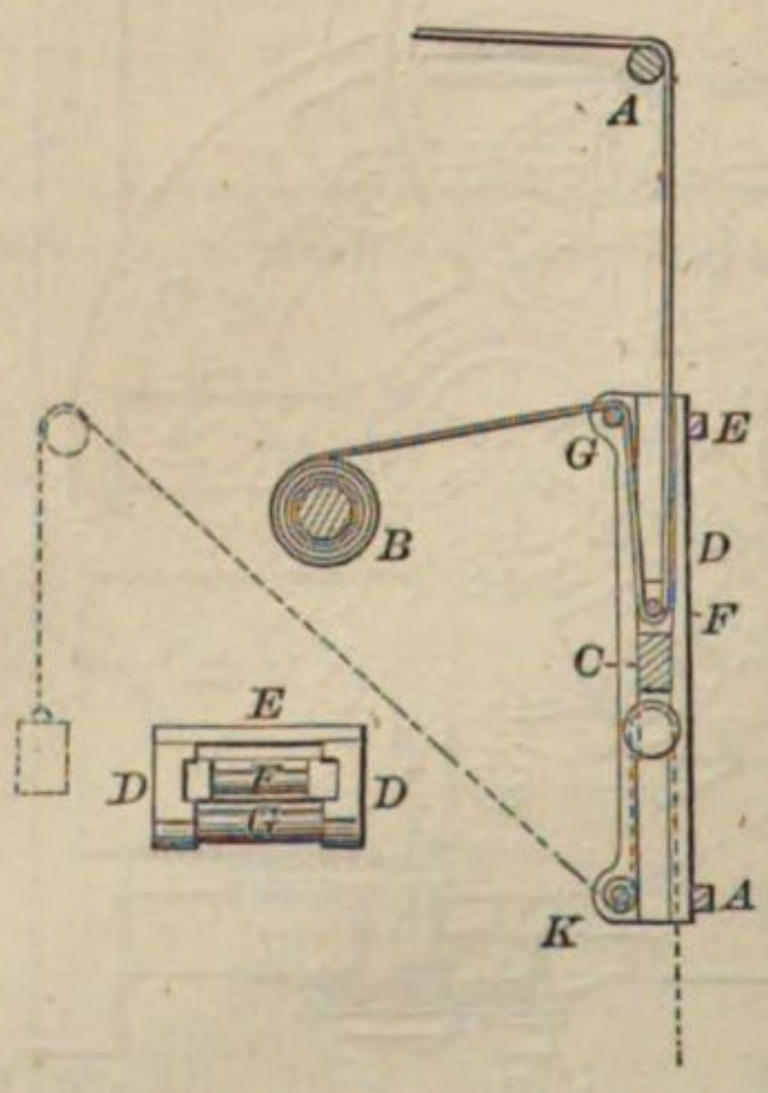
58705—W. Wilson—*Cooking Stove.*



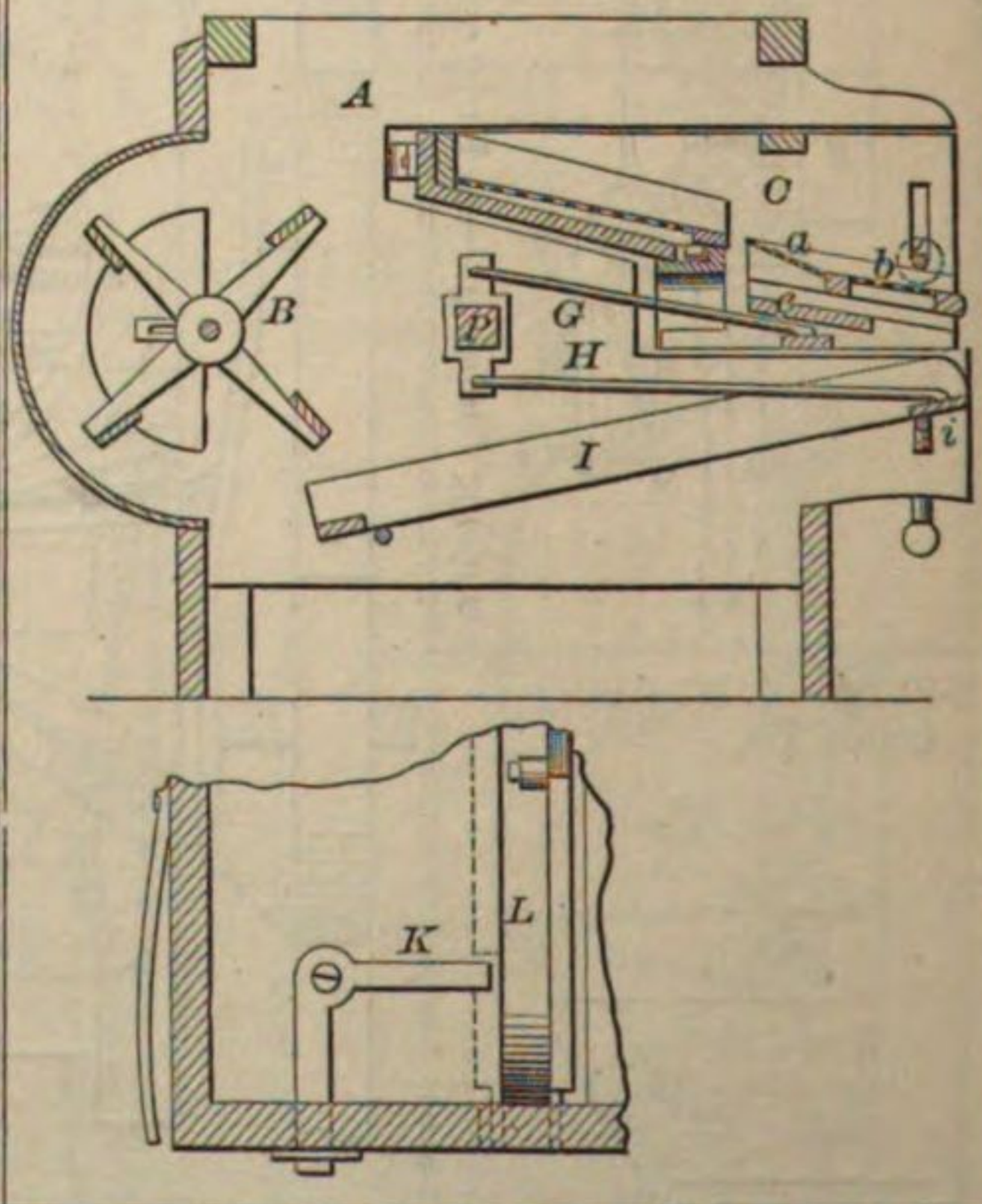
58706—J. F. Winchell—*Corn Harvester.*



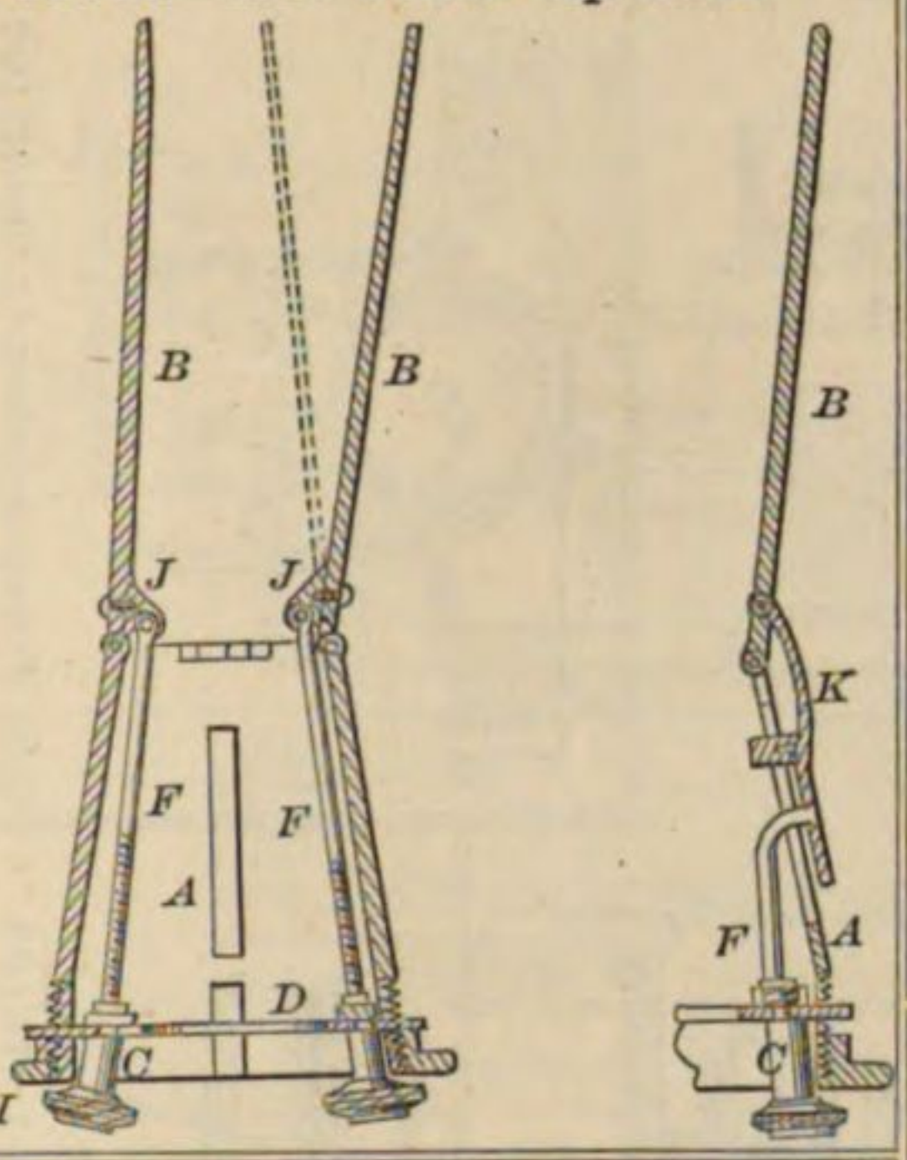
58708—M. Wolf—*Take-up for Narrow Ware Looms.*



58707—Wirts & Swift—*Grain Separator.*



58709—T. D. Worrall—*Speculum.*



58714—C. L. Campbell—*For Fitting Axle Spindles to Skeins of Wagons.*

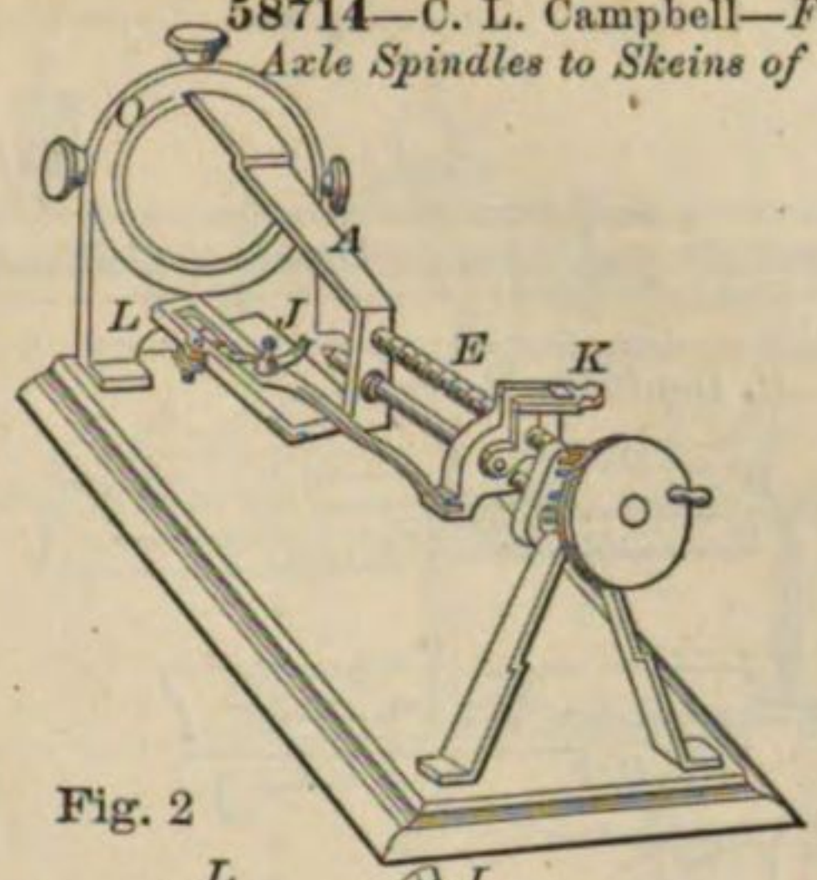
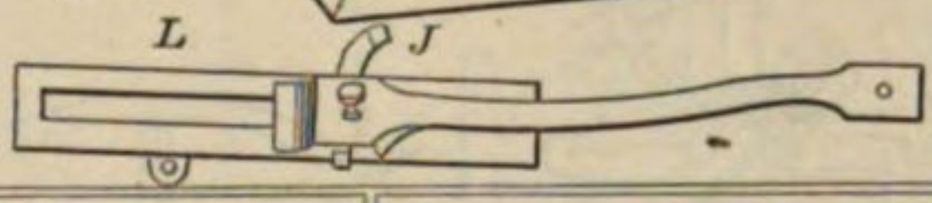
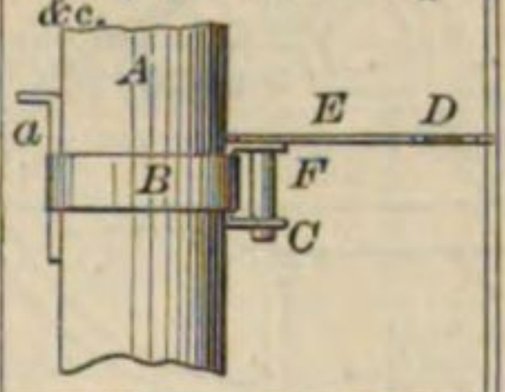


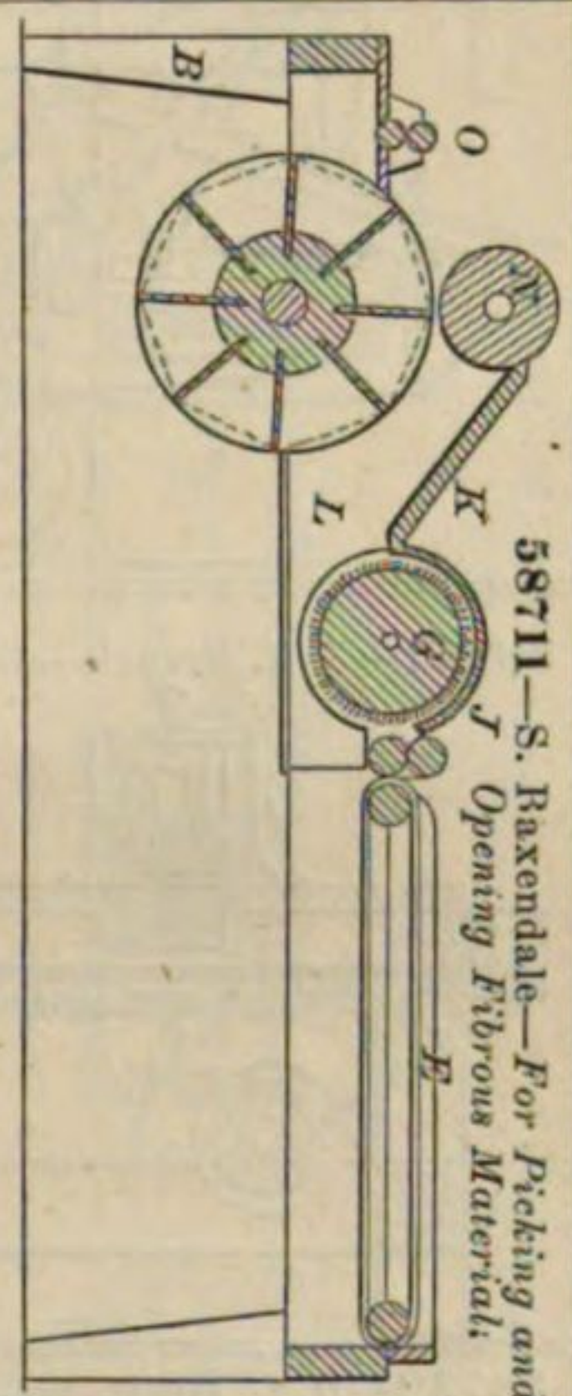
Fig. 2



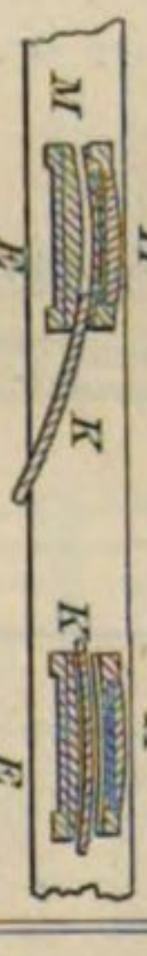
58712—S. V. Beckwith—*Shelf for Stove Pipes, &c.*



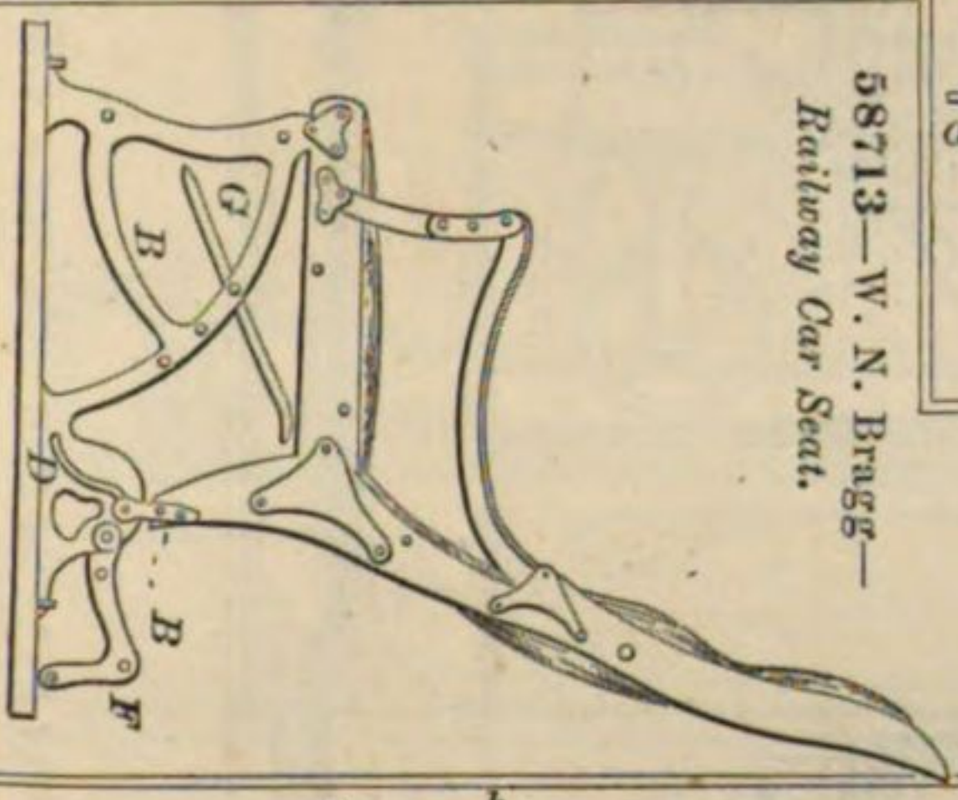
58711—S. Raxendale—*For Picking and Opening Fibrous Material.*



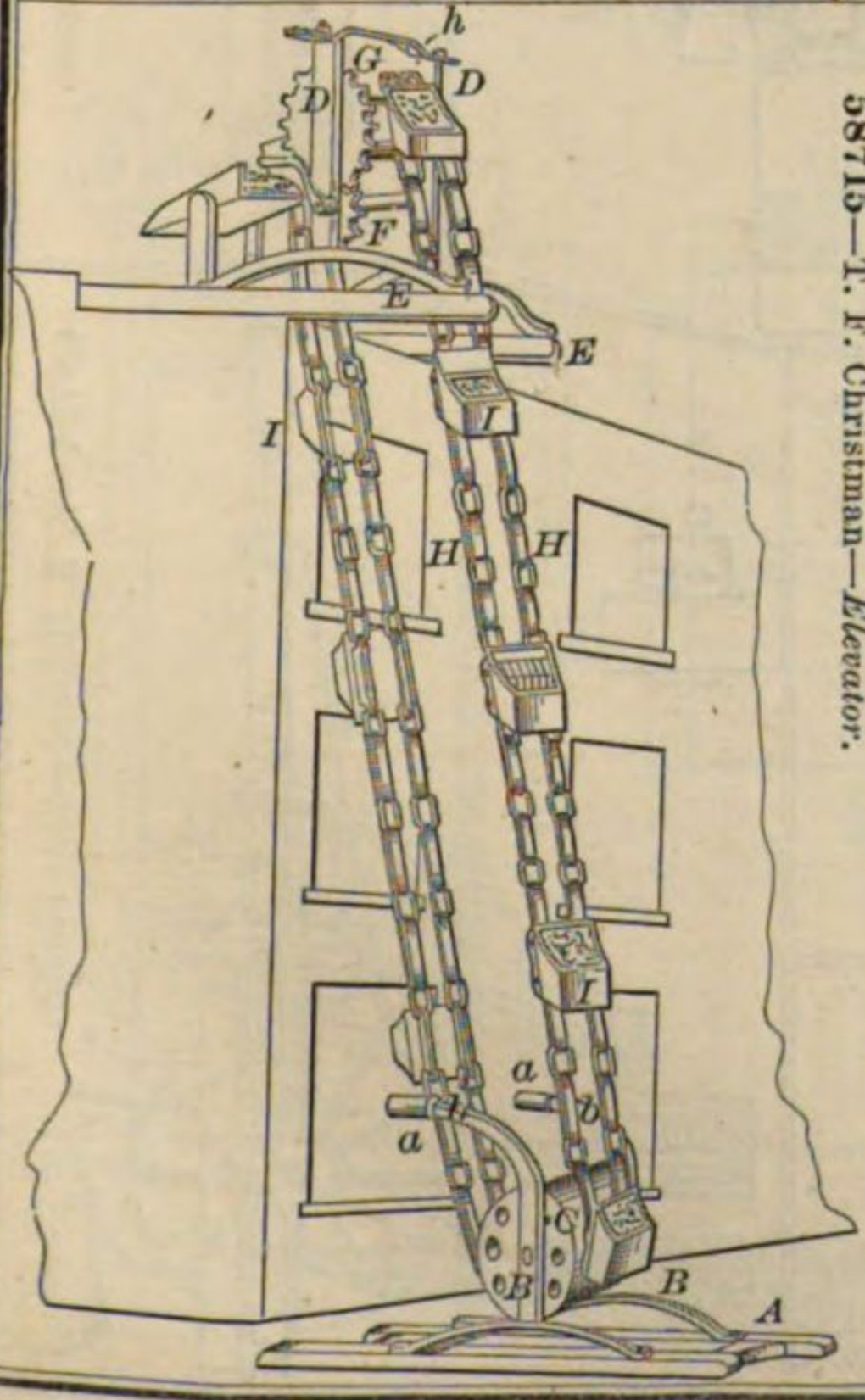
58710—J. K. Andrews—*Car Window.*



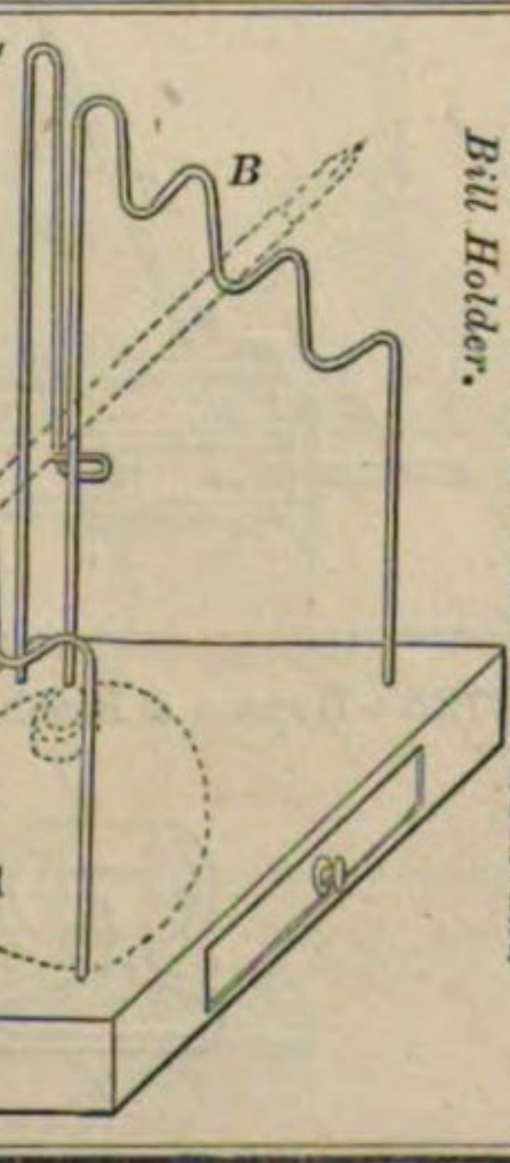
58713—W. N. Bragg—*Railway Car Seat.*



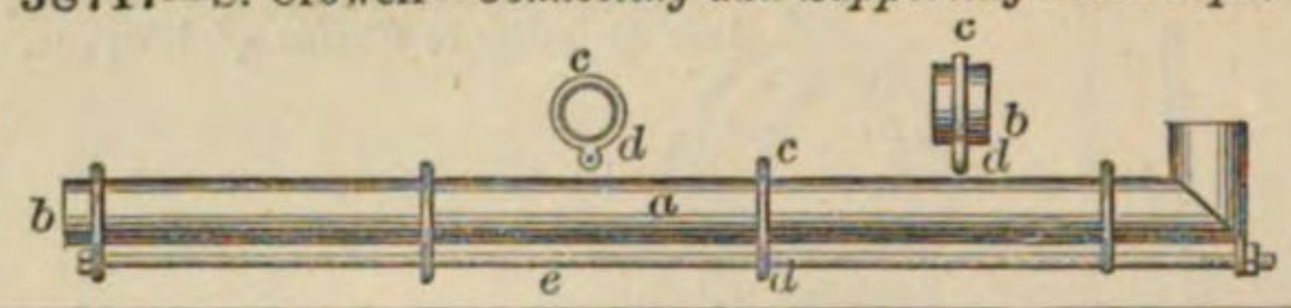
58715—T. F. Christman—*Elevator.*



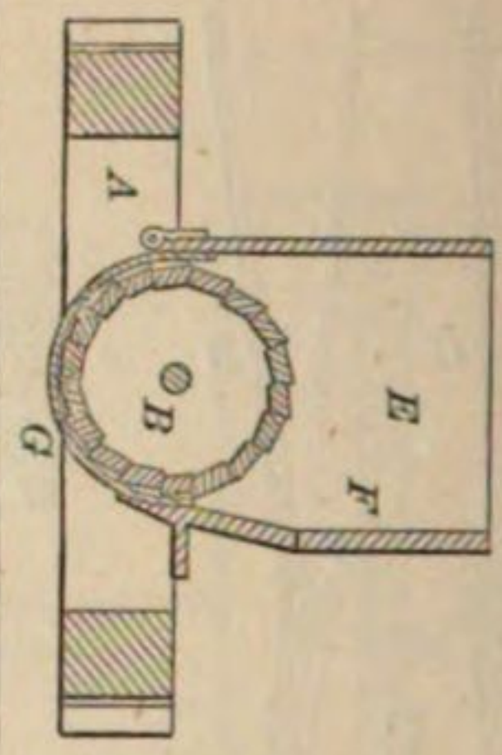
58716—C. P. Crossman—*Pen Rack and Bill Holder.*



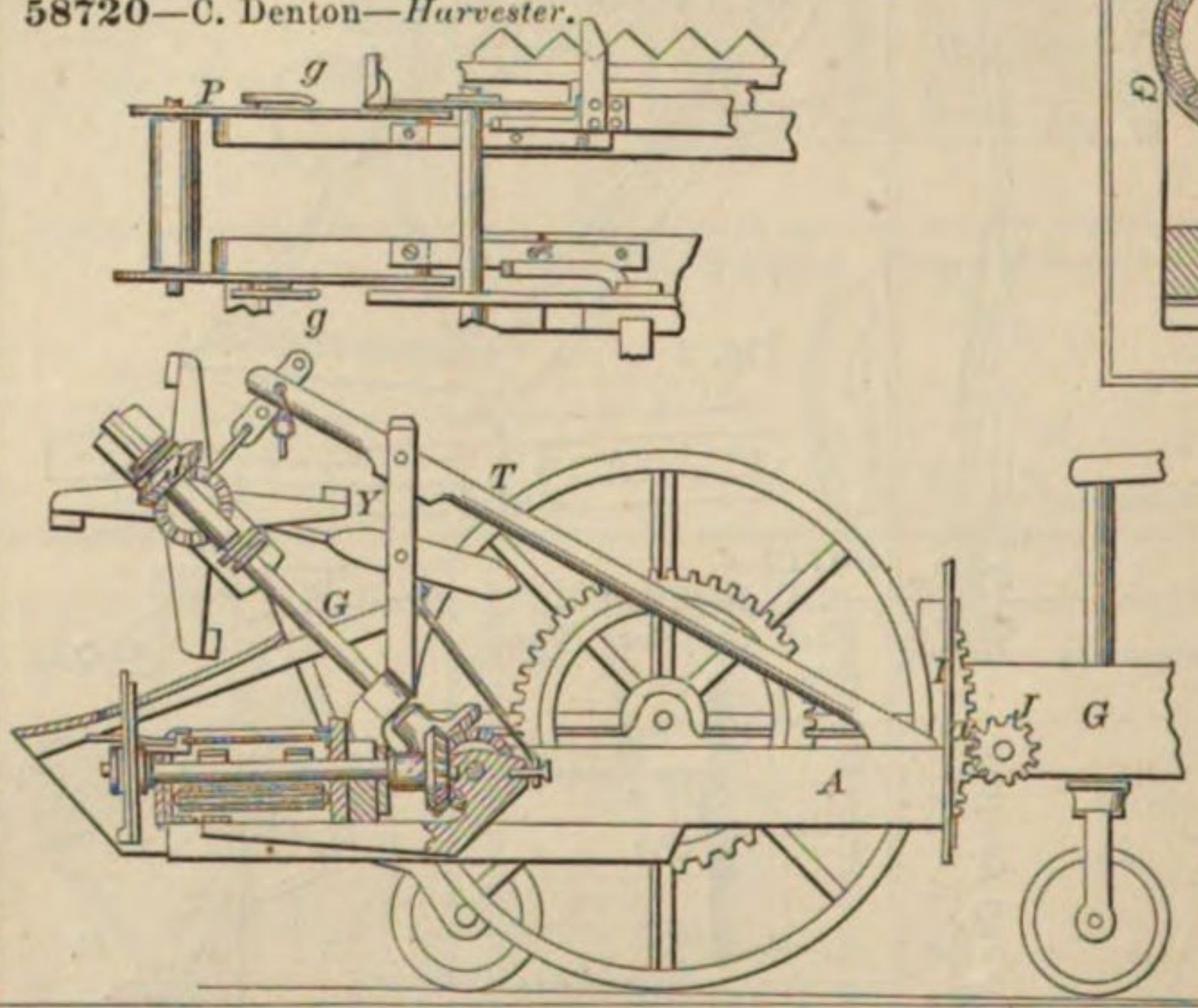
58717—S. Crowell—*Connecting and Supporting Stove Pipe.*



58719—C. F. Dean—*Grinding Mill.*

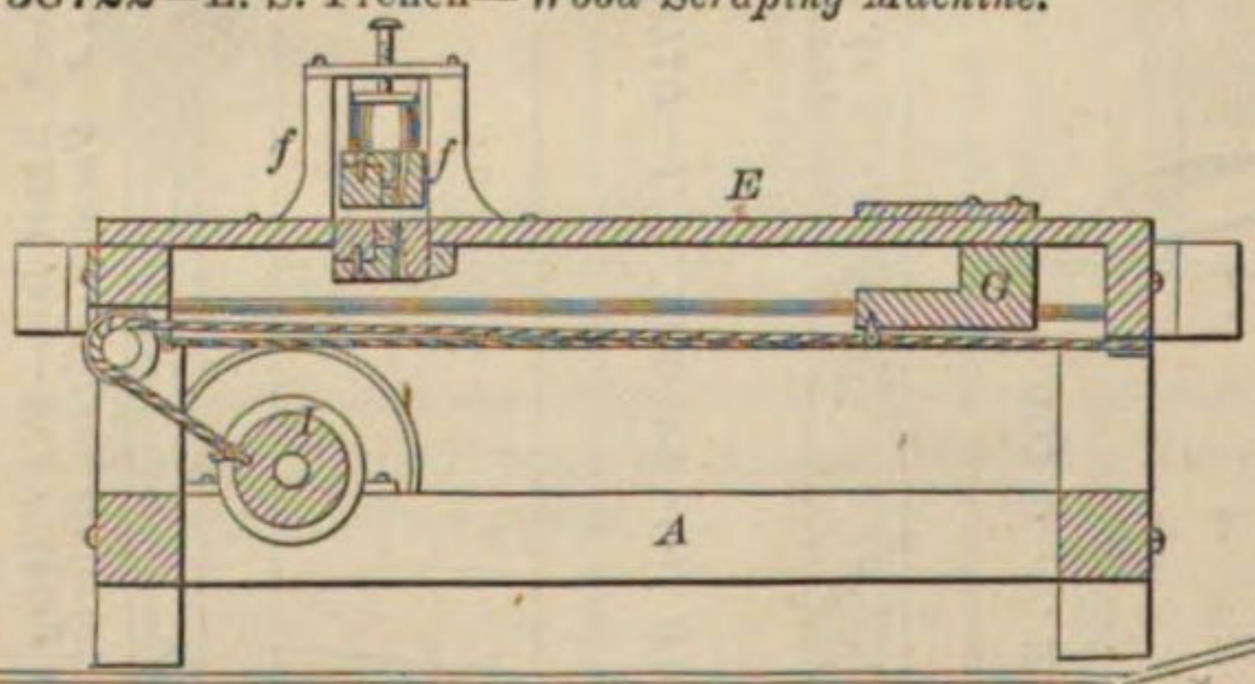


58720—C. Denton—*Harvester.*

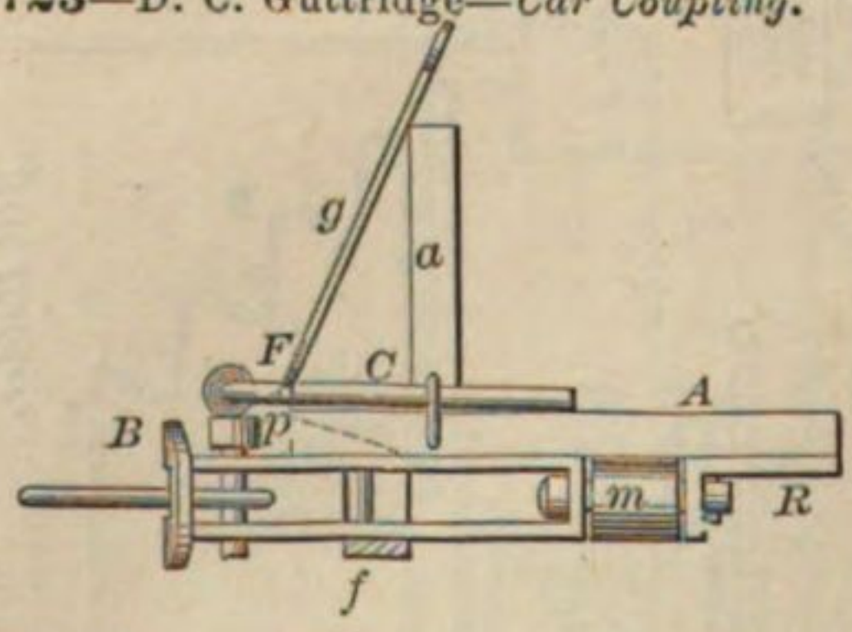


58721—Duck & Whitcomb—*Well Pipe and Fixture.*

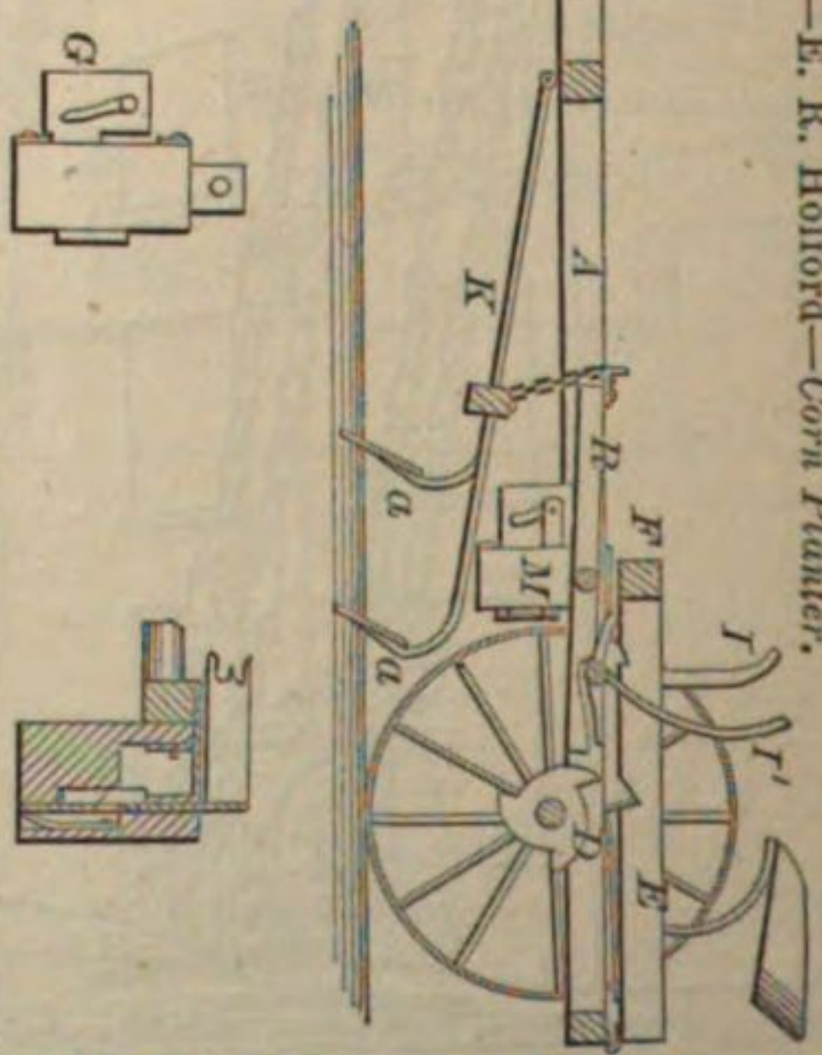
58722—E. S. French—*Wood Scraping Machine.*



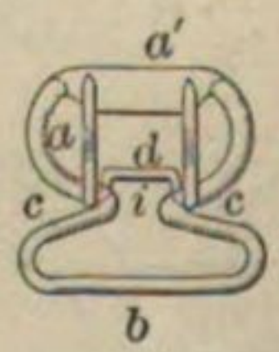
58723—D. C. Guttridge—*Car Coupling.*



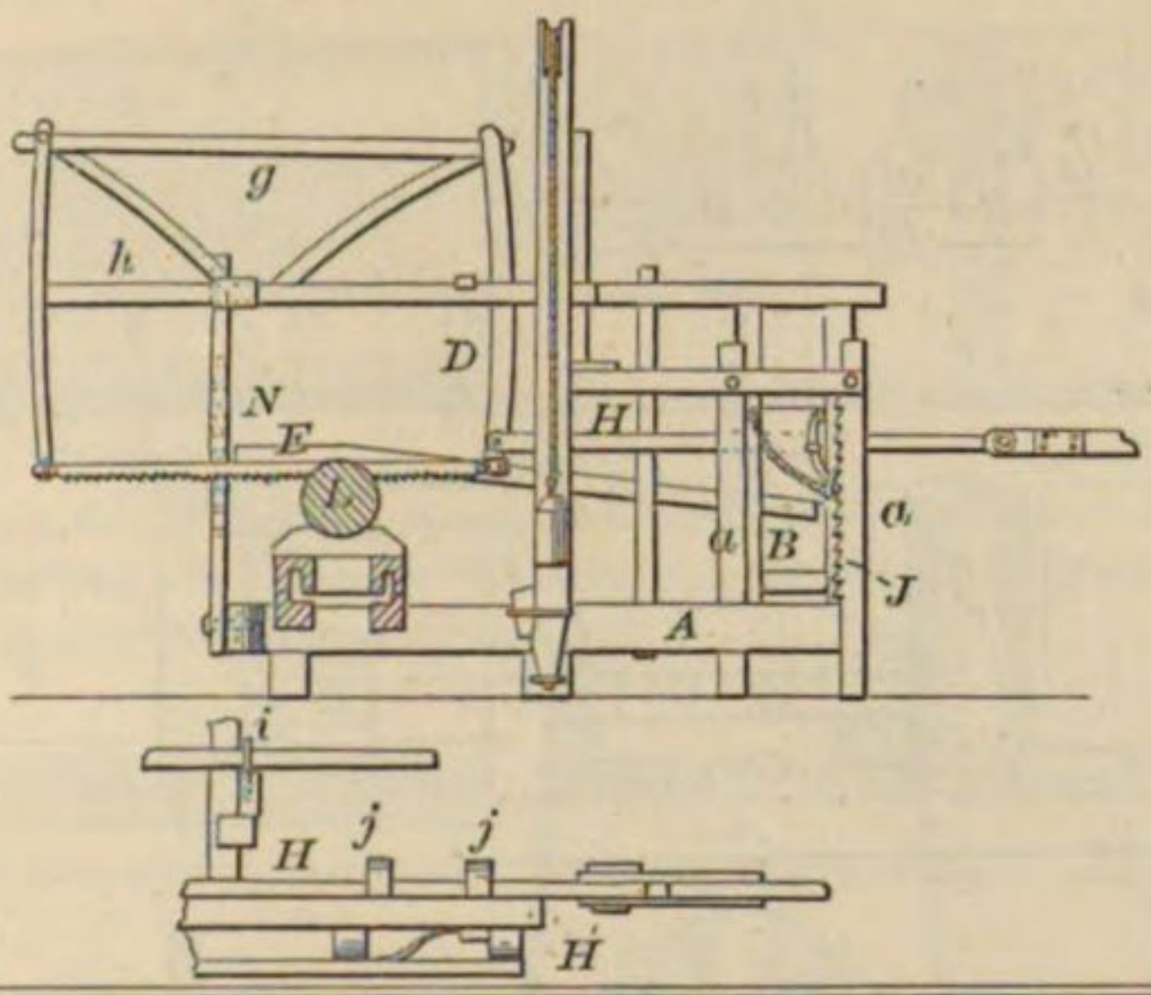
58724—E. R. Holford—*Corn Planter.*



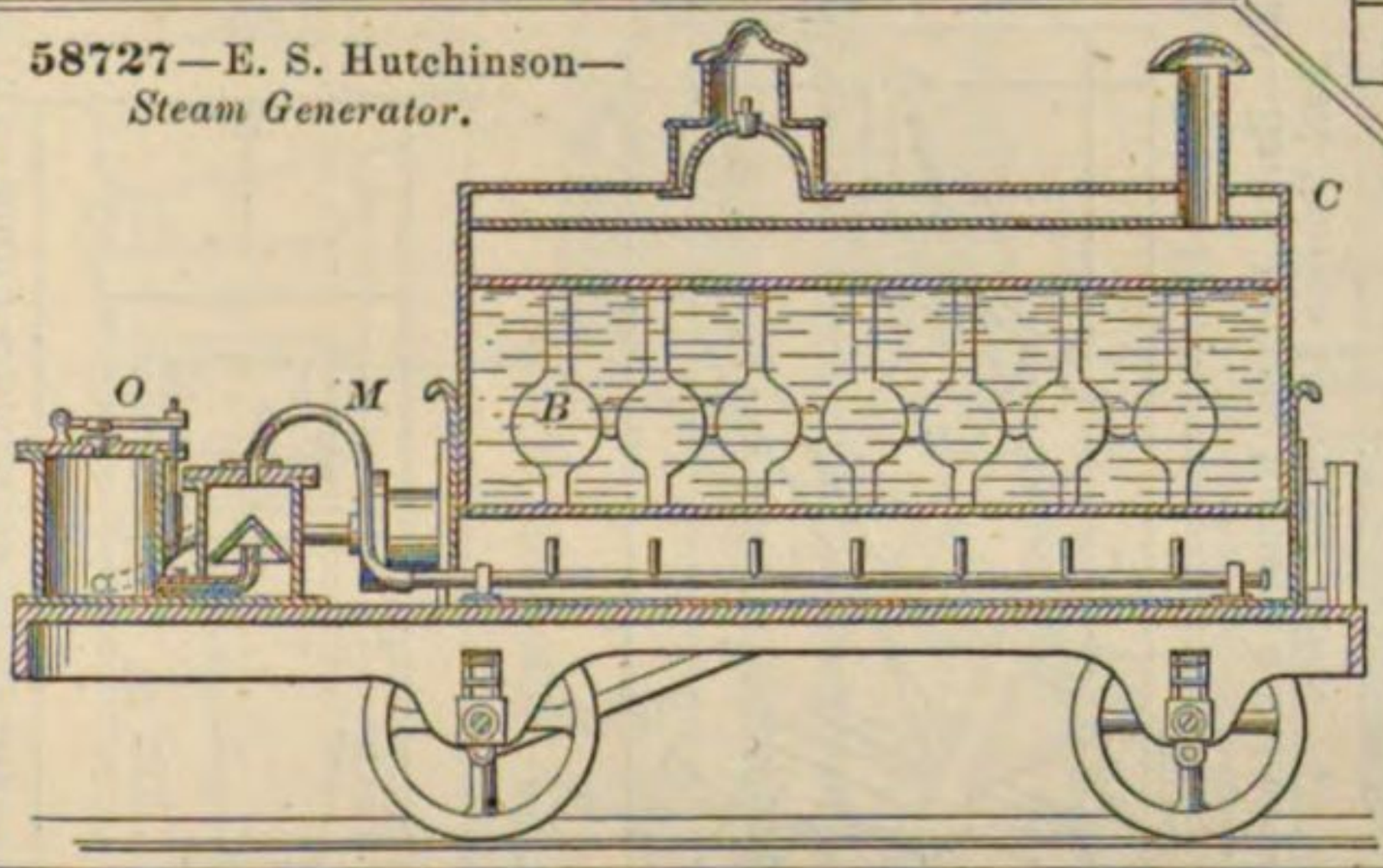
58725—Hopson & Brooks—*Buckle.*



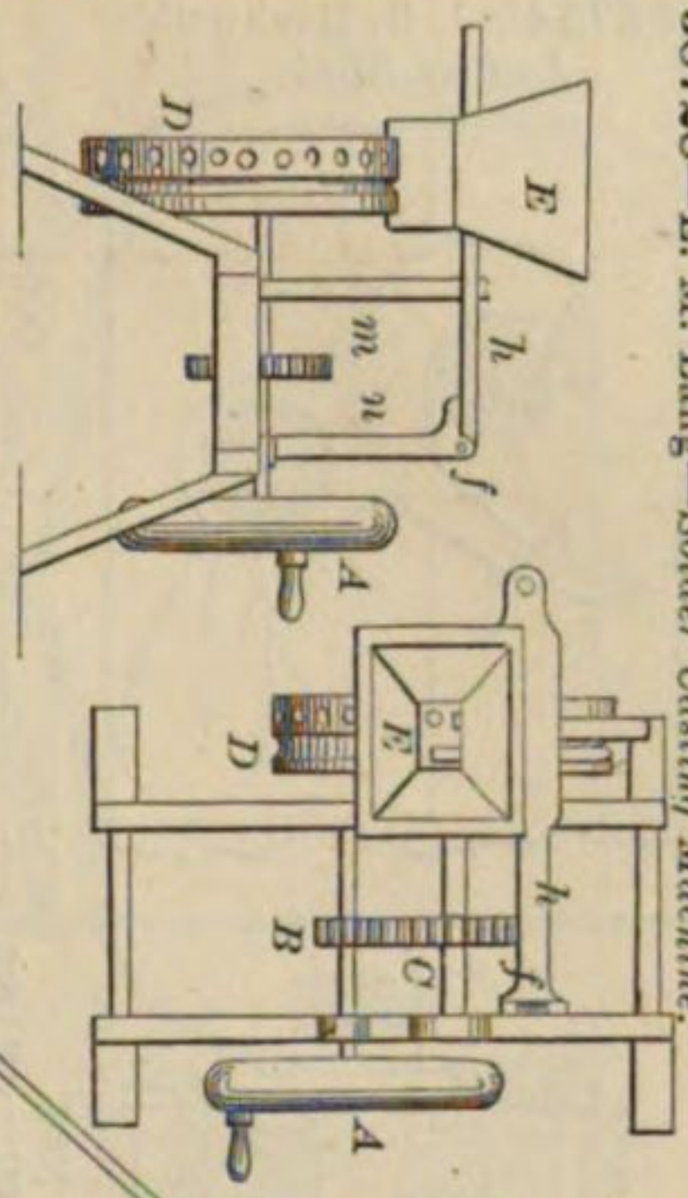
58726—J. Hoyt—*Saw Machine.*



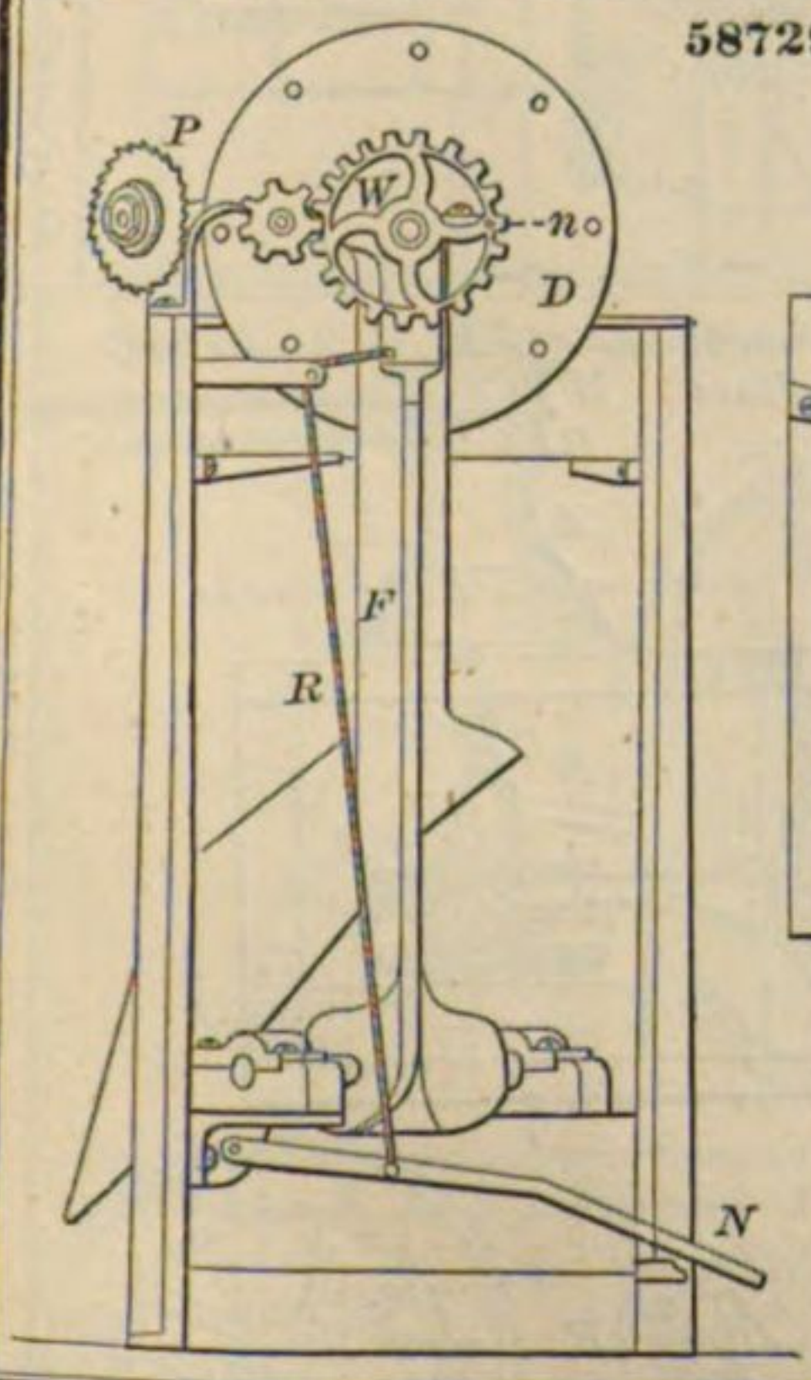
58727—E. S. Hutchinson—*Steam Generator.*

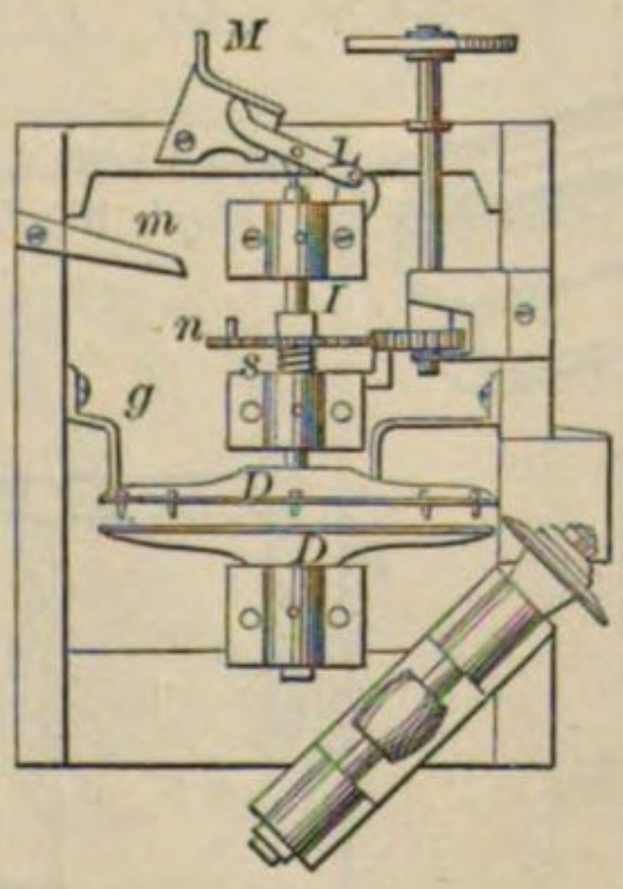


58728—E. M. Lang—*Solder Casting Machine.*

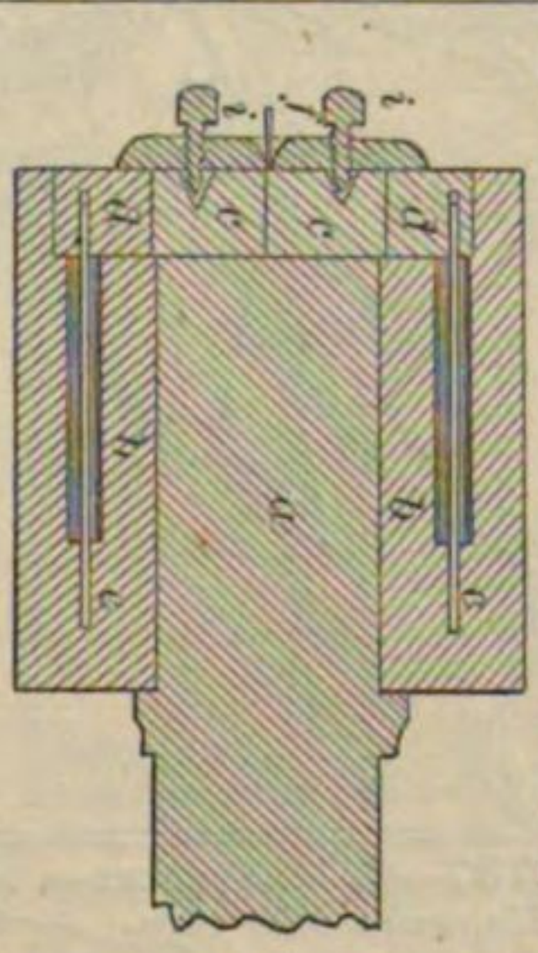


58729—P. H. Lawler—*Barrel Machine.*



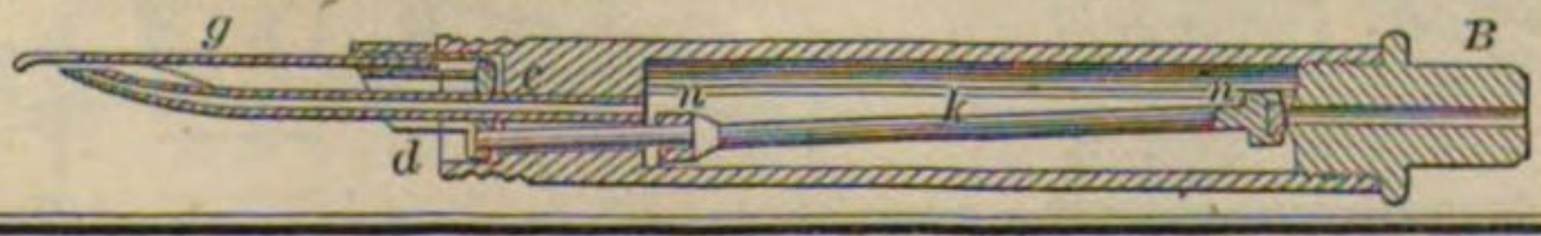


58730—E. J Manville—*Wire Pointing Machine.*

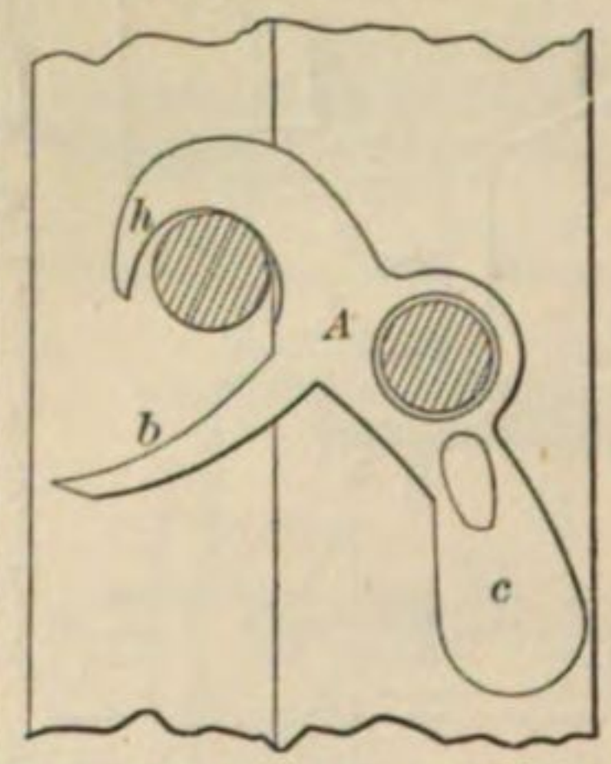


58731—W. McDonald—*Gas Meter Register.*

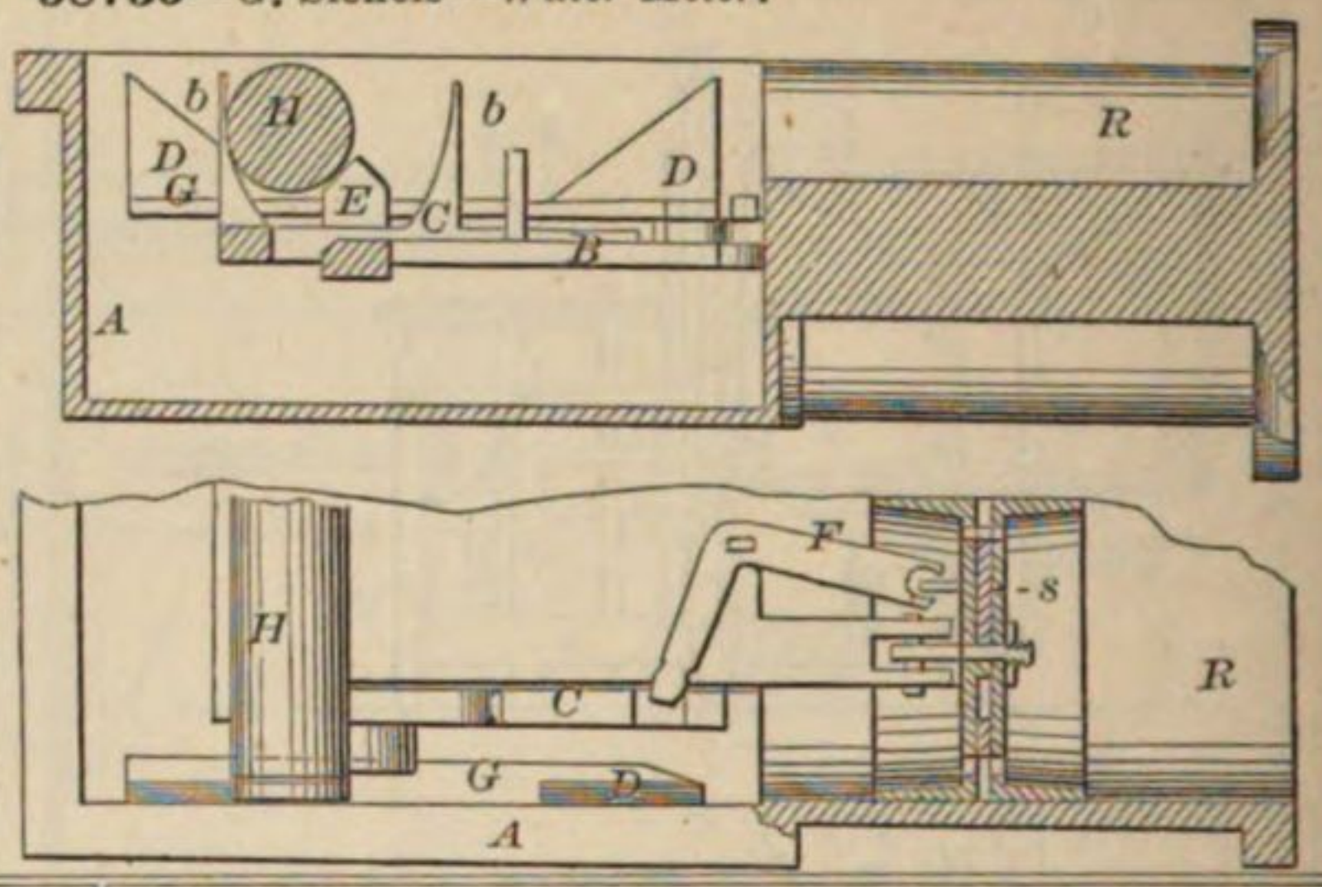
58732—G. R. Metten—*Fountain Pen.*



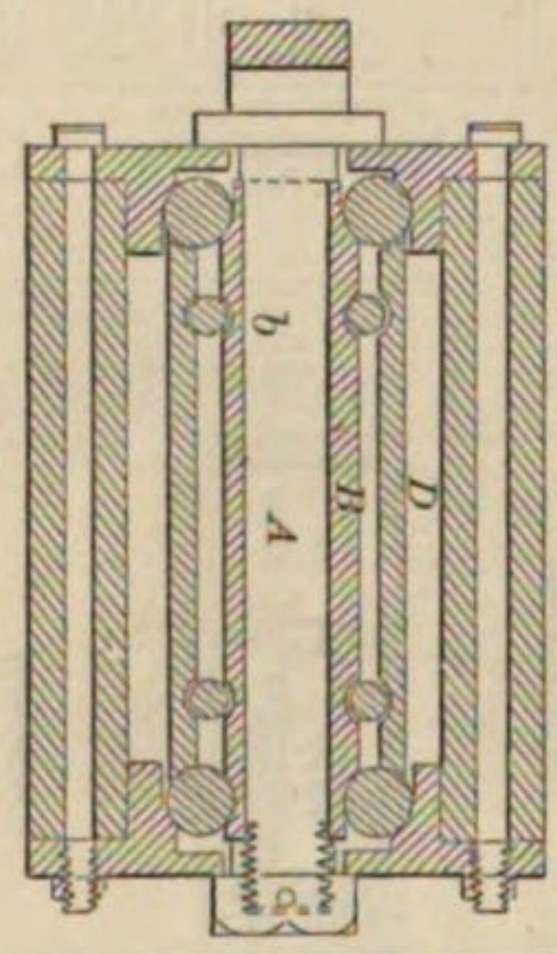
58734—J. G. Rockwell—
Ladder Hook.



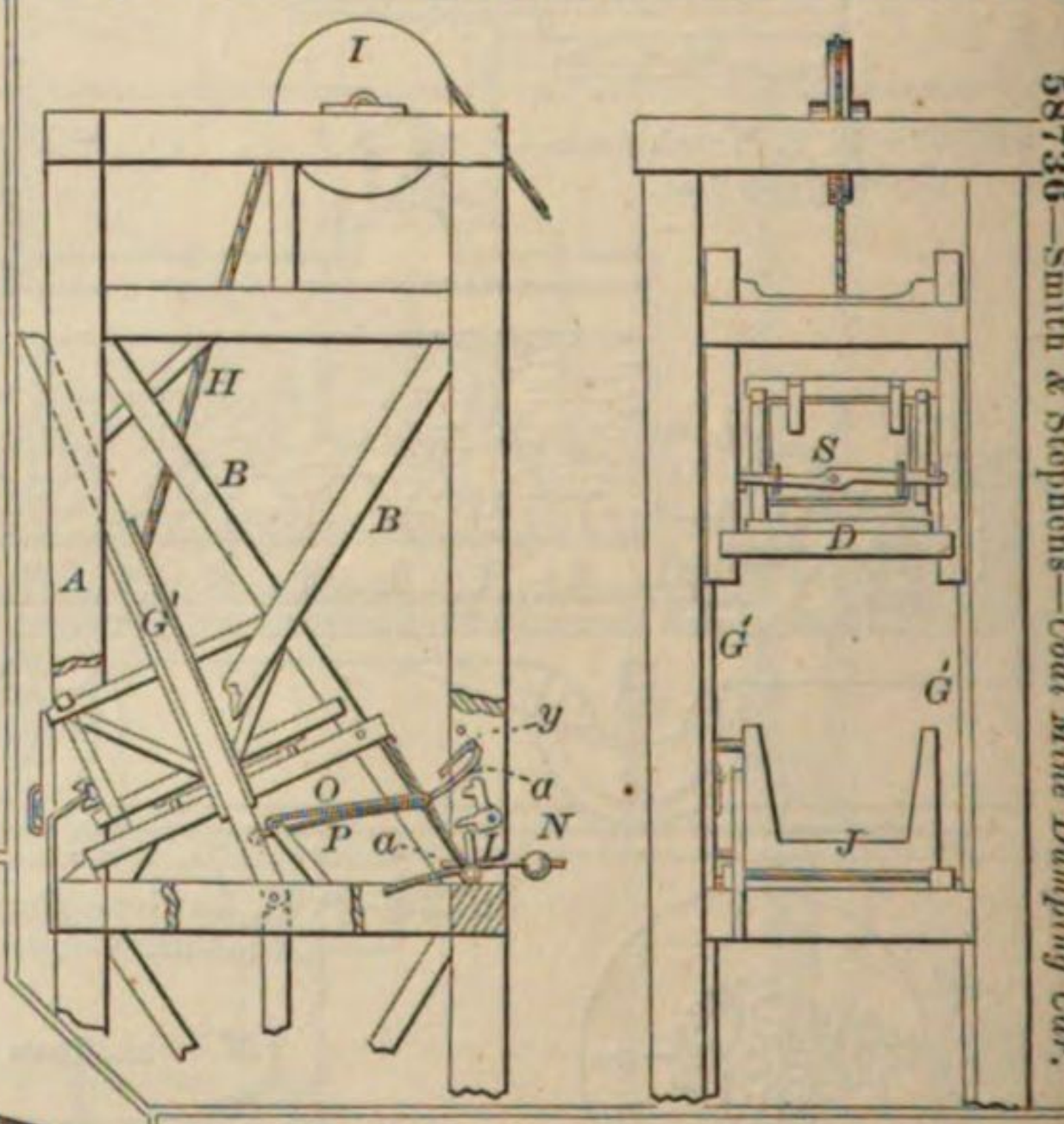
58735—G. Sickels—*Water Meter.*



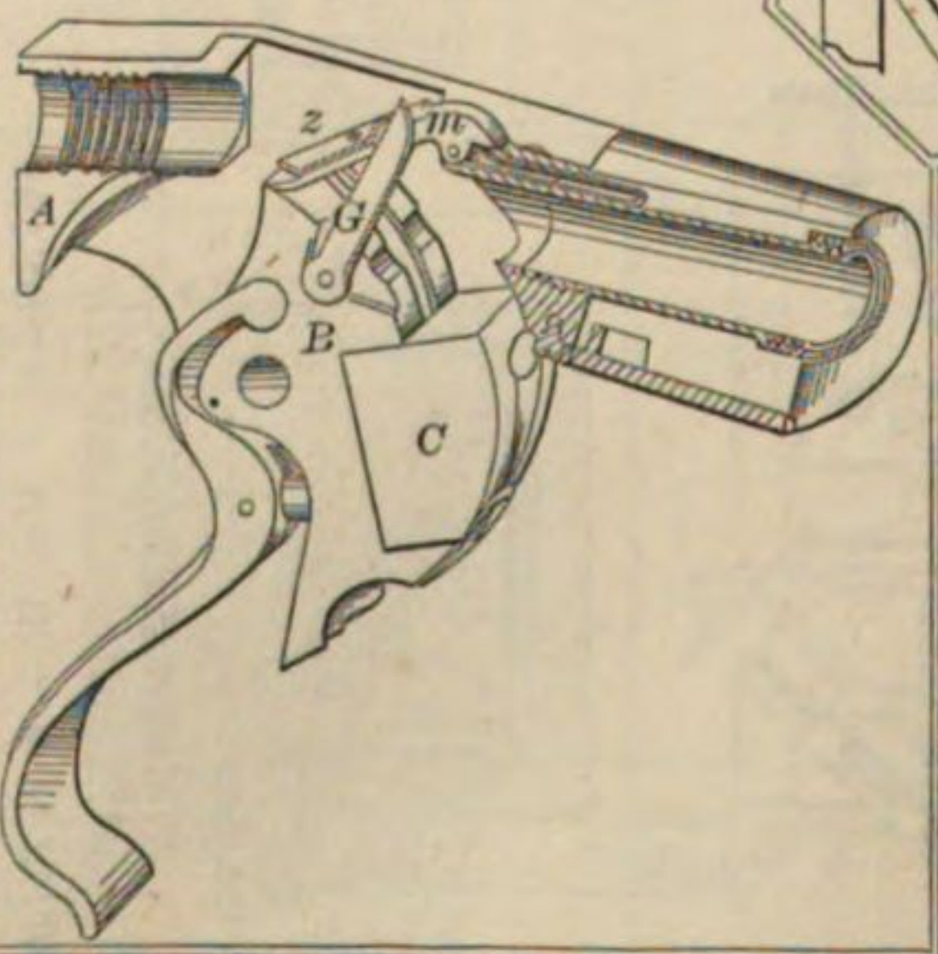
58739—Bailly, Durand, Mesnard & Poirier—
Anti-Friction Device for Axles.



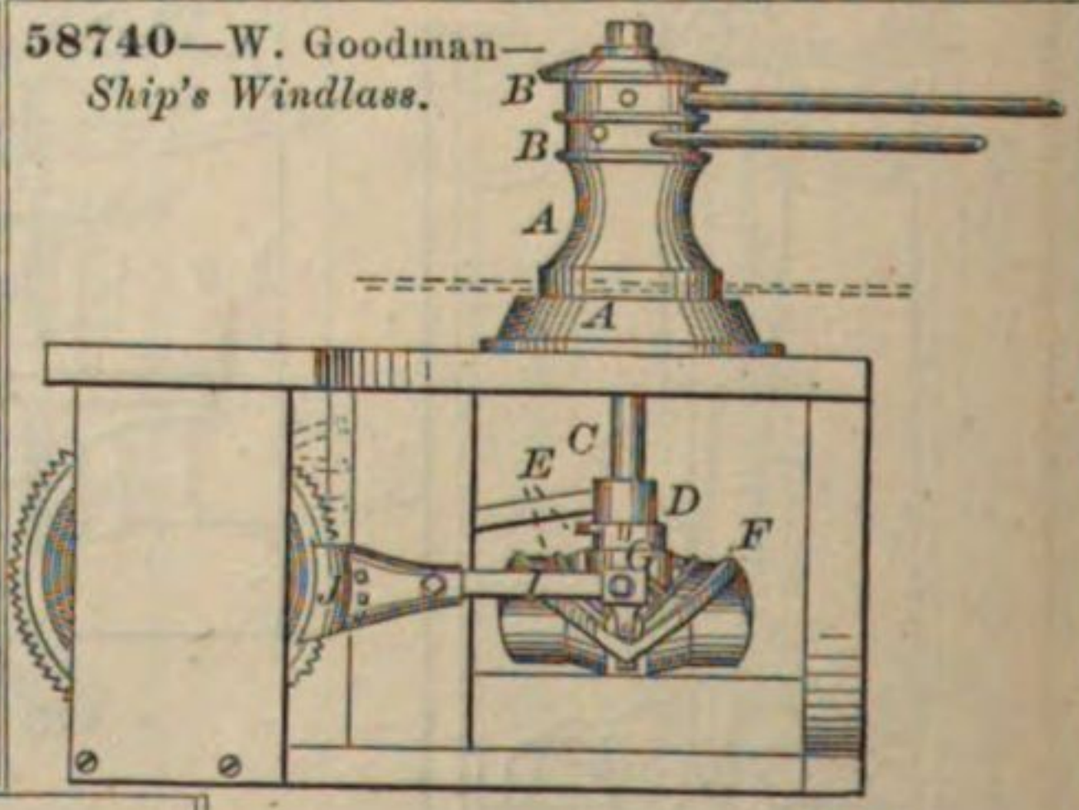
58736—Smith & Stephens—*Coal Mine Dumping Car.*



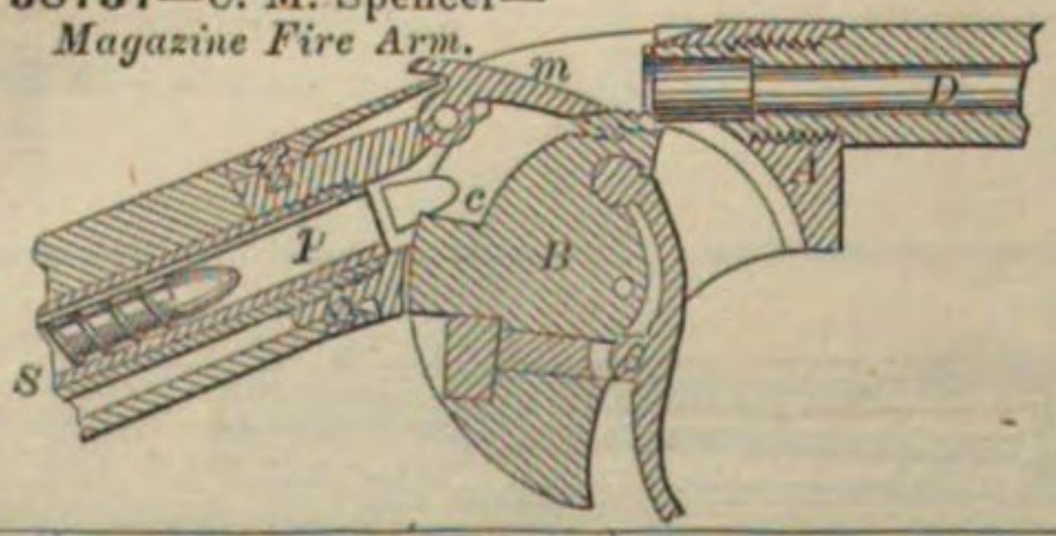
58738—C. M. Spencer—
Magazine Fire Arm.

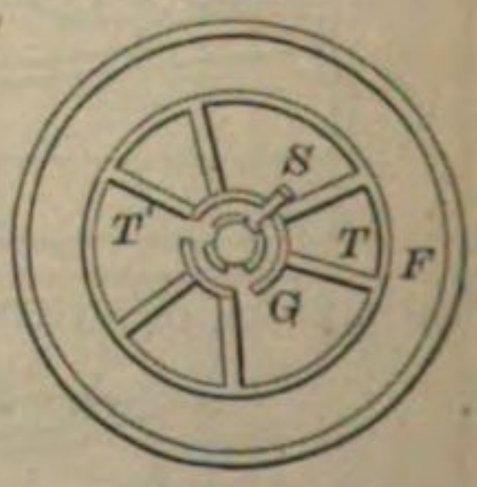


58740—W. Goodman—
Ship's Windlass.

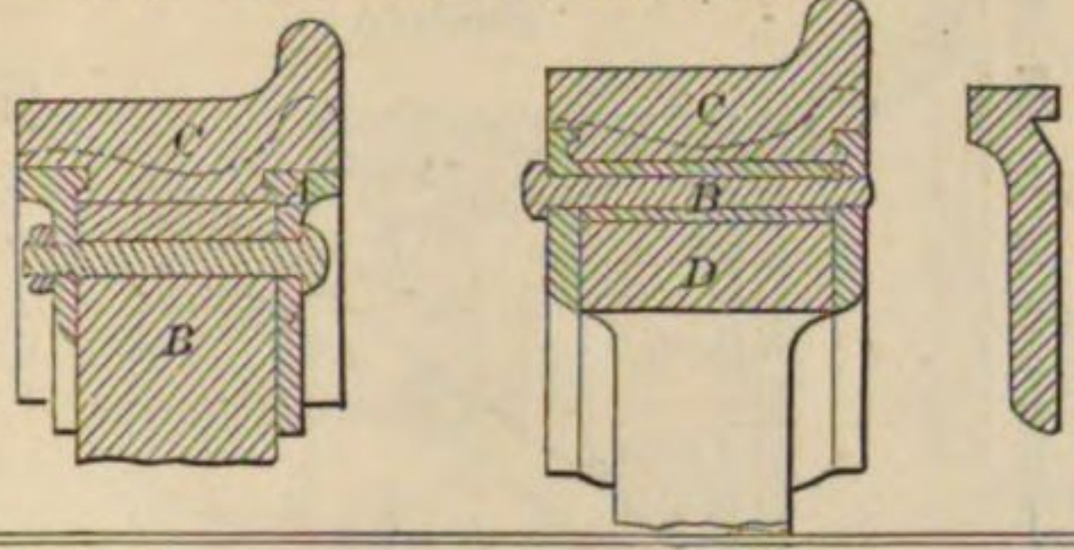


58737—C. M. Spencer—
Magazine Fire Arm.

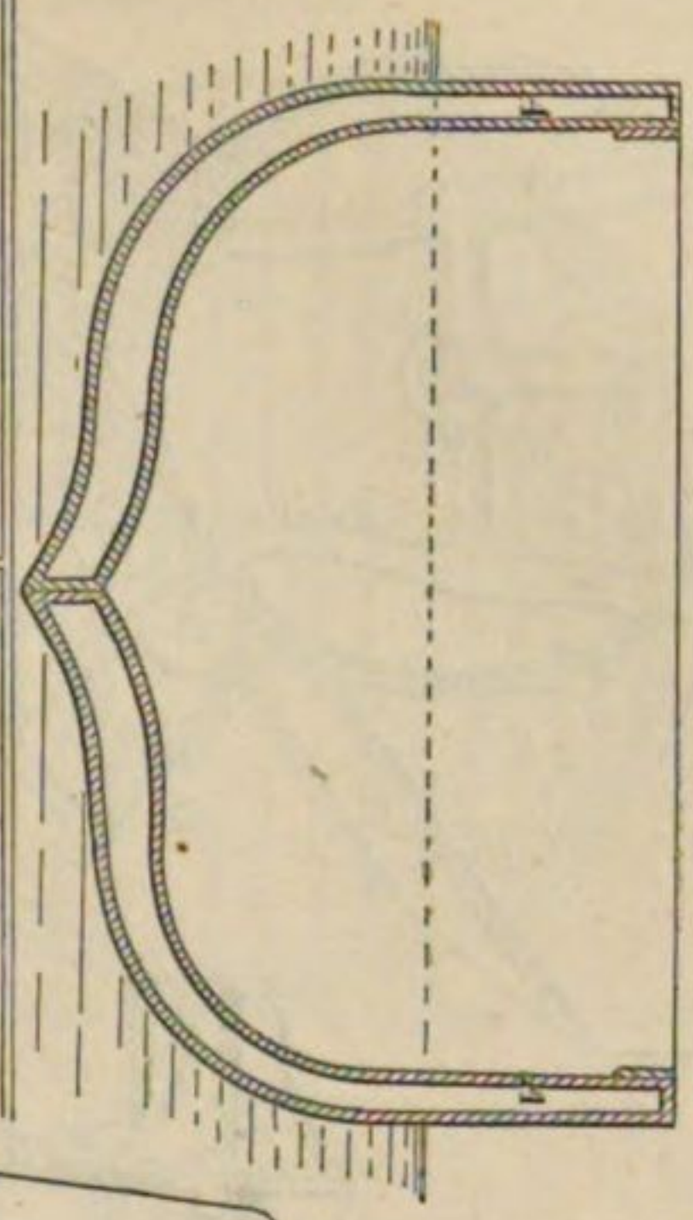




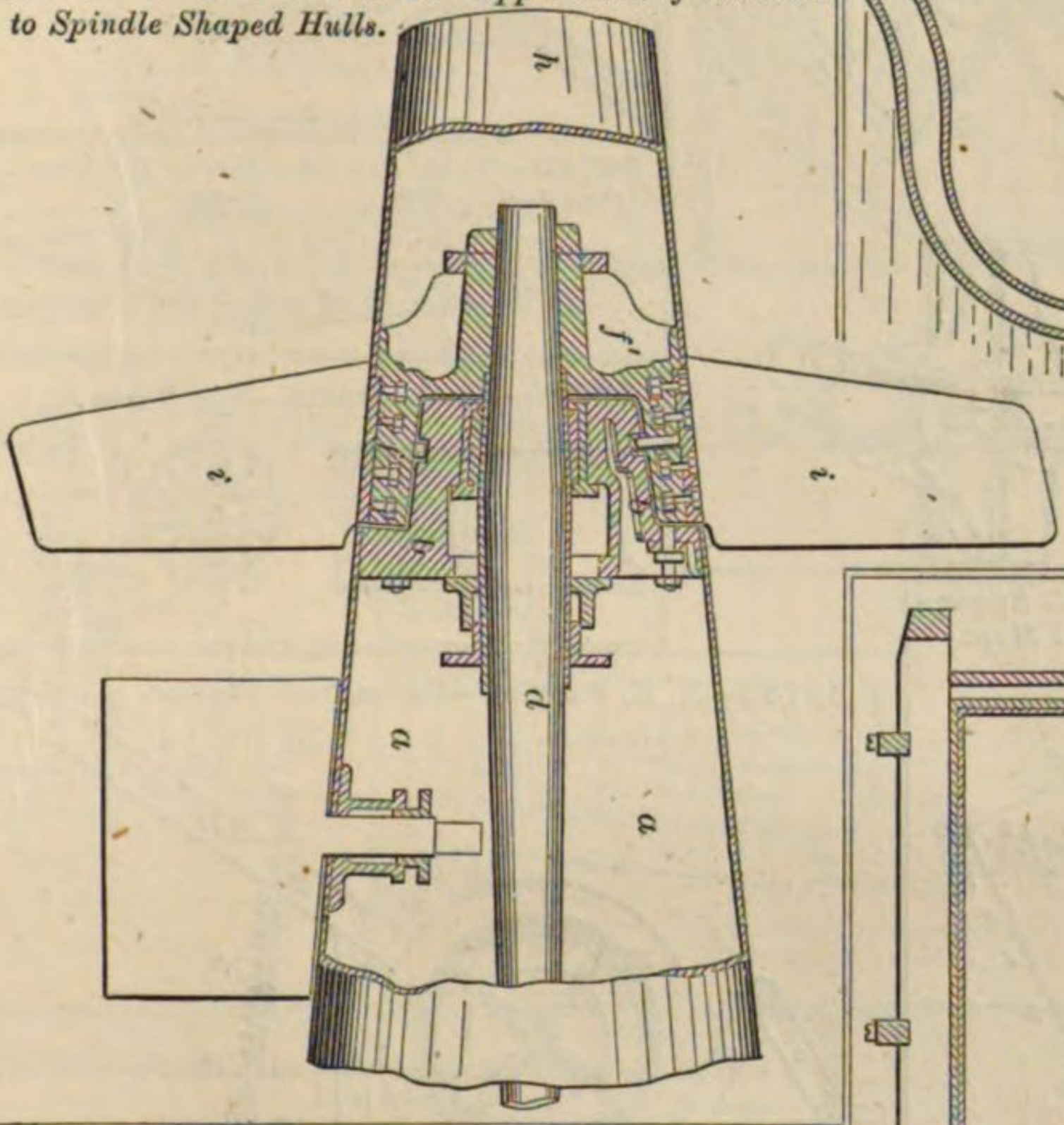
58741—R. C. Mansell—*Car Wheel.*



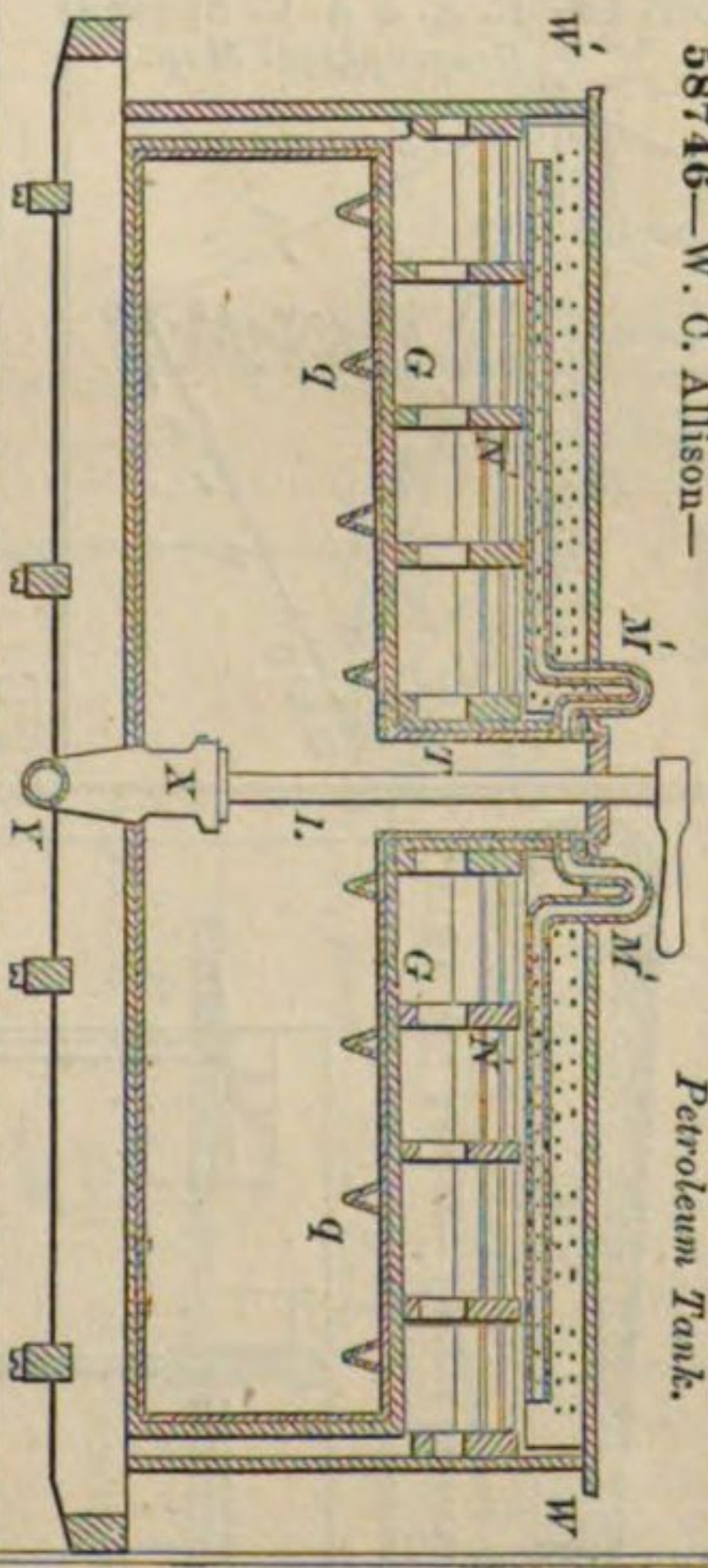
58742—J. Weems—*Ship.*



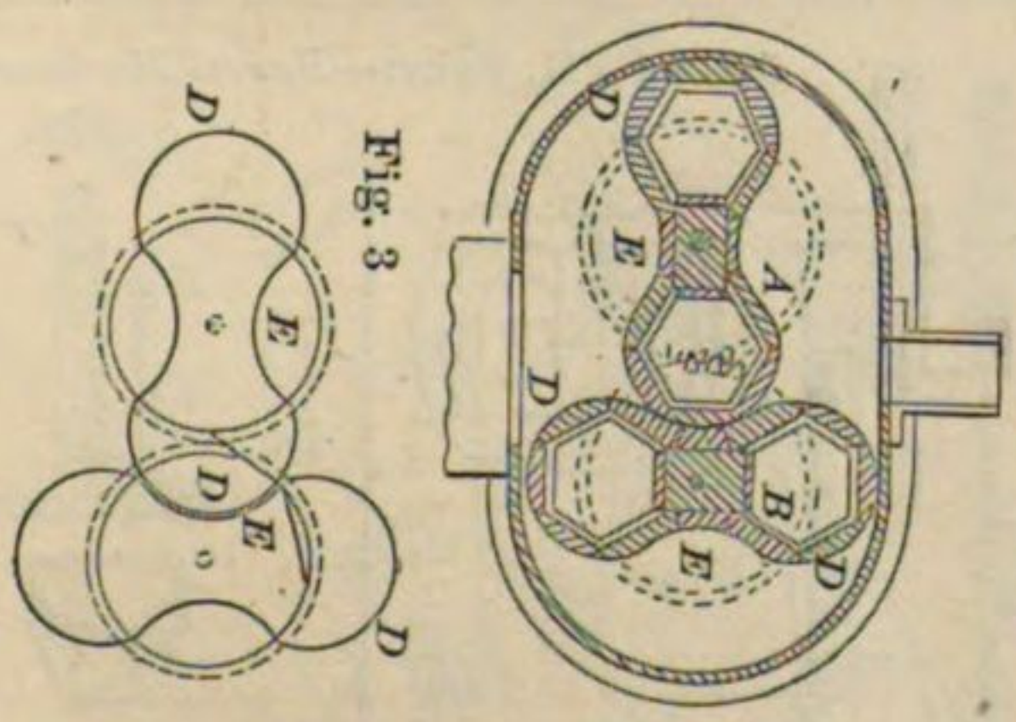
58743—W. L. & T. Winans—*Application of Rudders to Spindle Shaped Hulls.*



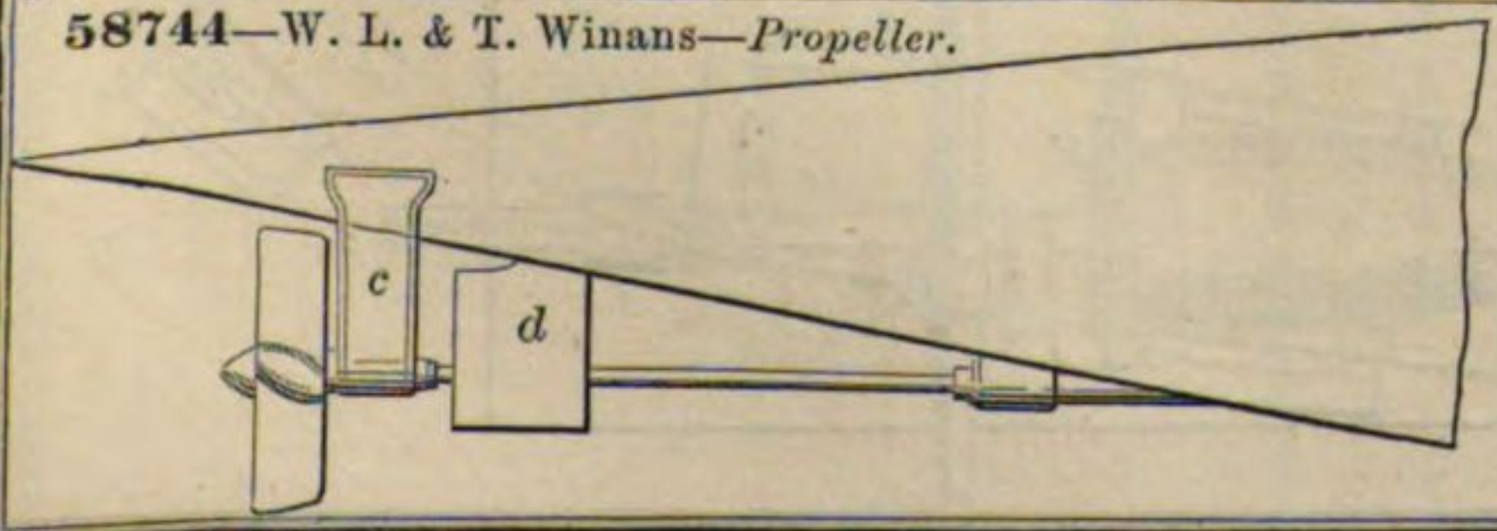
58746—W. C. Allison—*Petroleum Tank.*



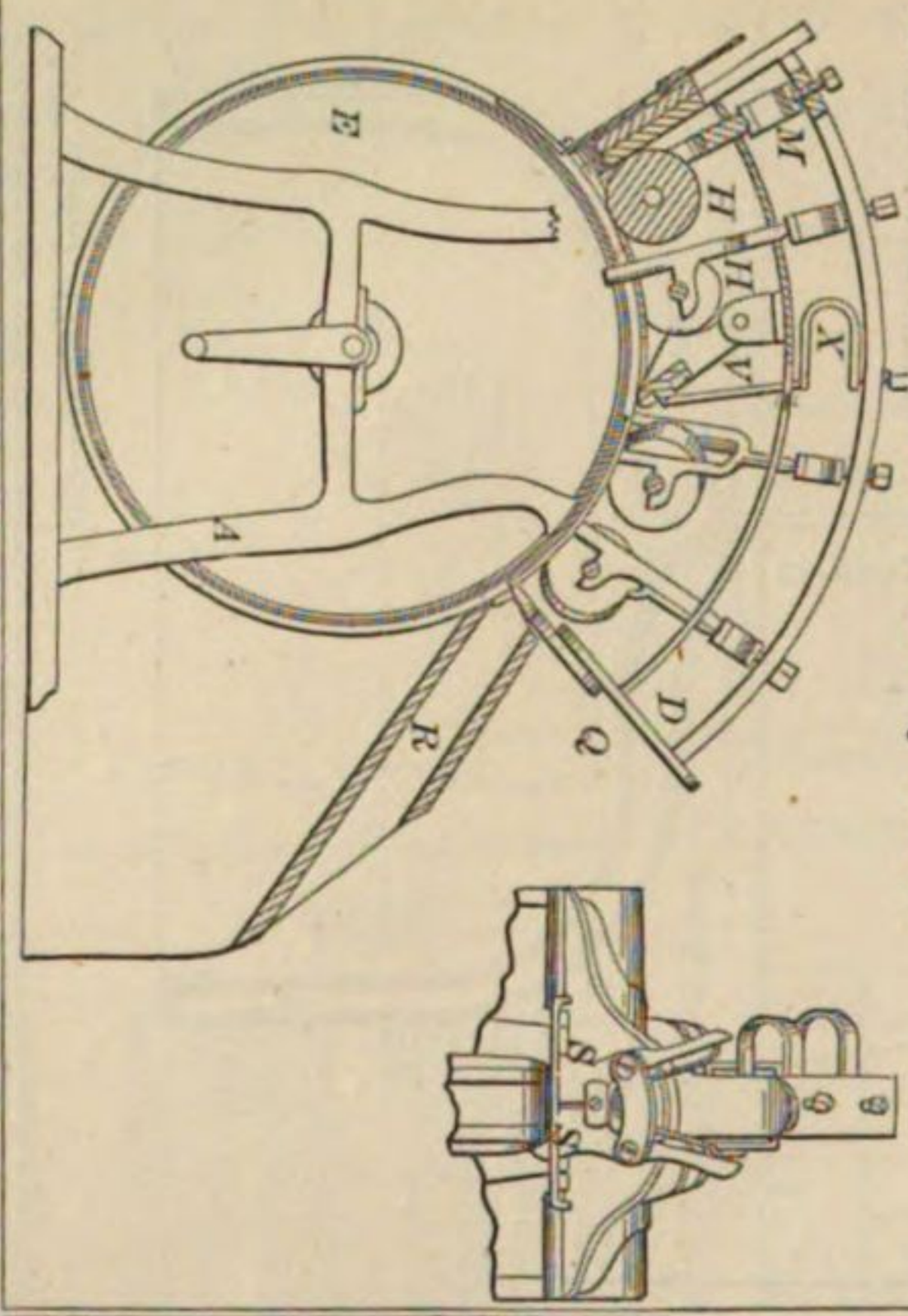
58745—P. H. Roots—*Rotary Blower.*



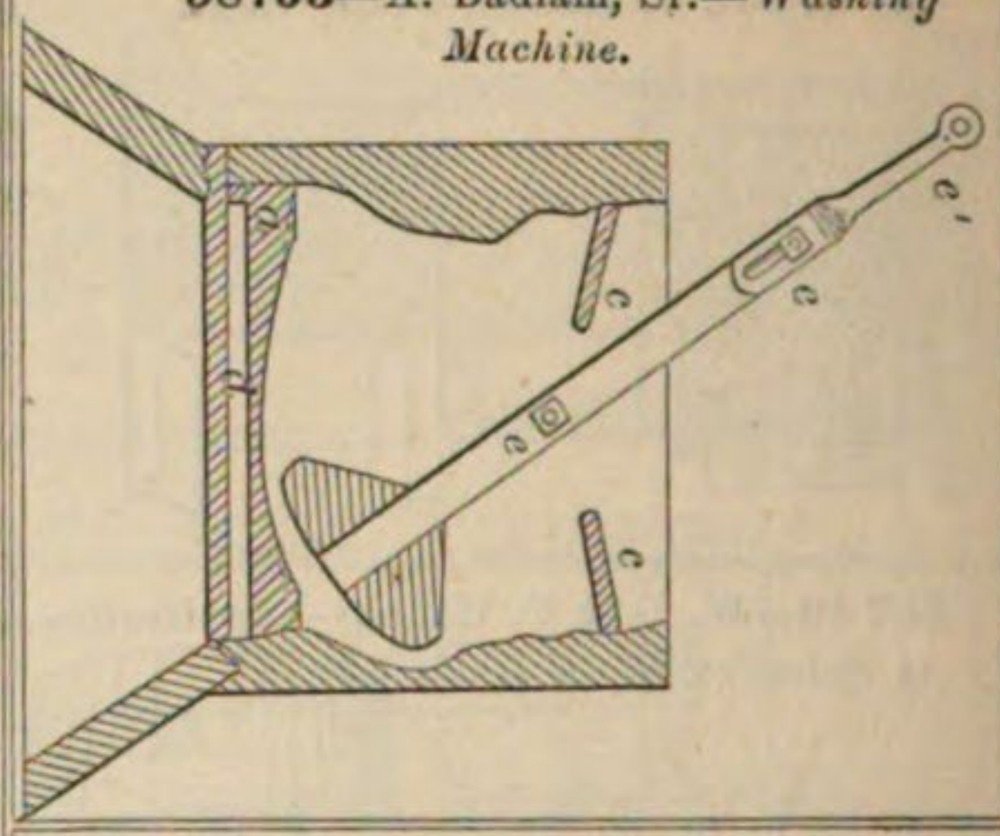
58744—W. L. & T. Winans—*Propeller.*



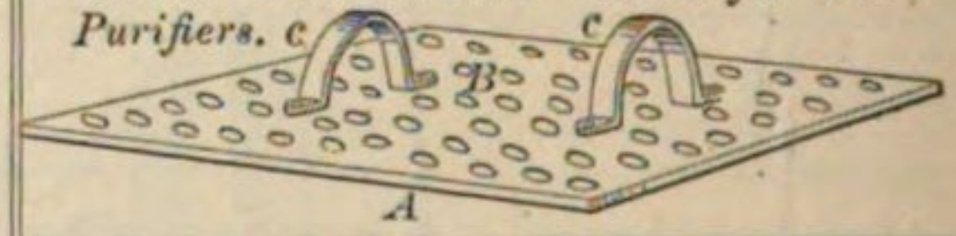
58747—G. S. Anderson—*For Peeling Willow.*



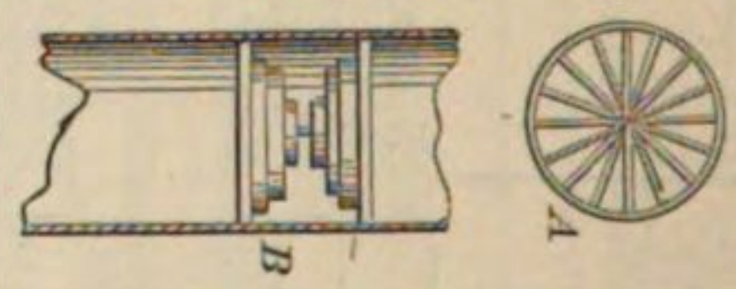
58753—A. Badlam, Sr.—*Washing Machine.*



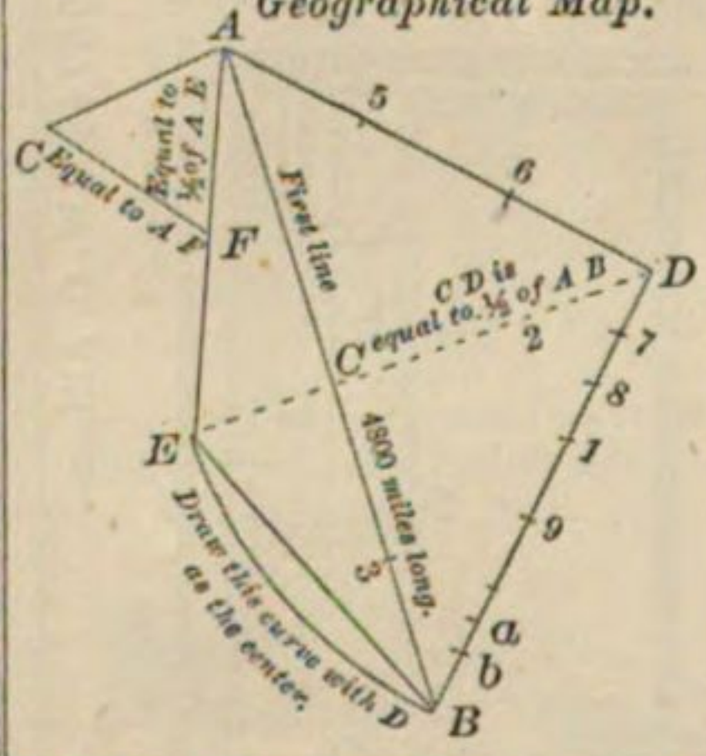
58749—T. G. Arnold—*Screen for Gas Purifiers.*



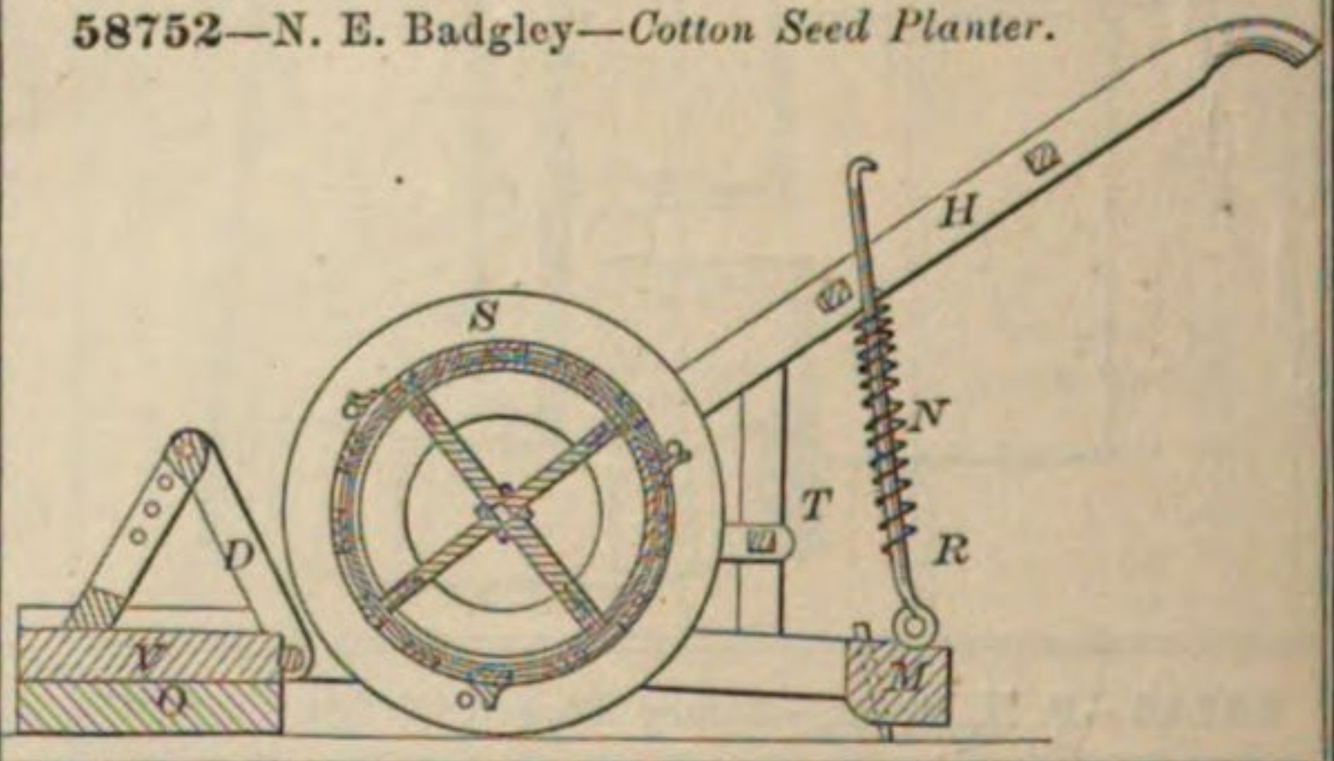
58750—V. G. Arnold—*Egg Beater.*



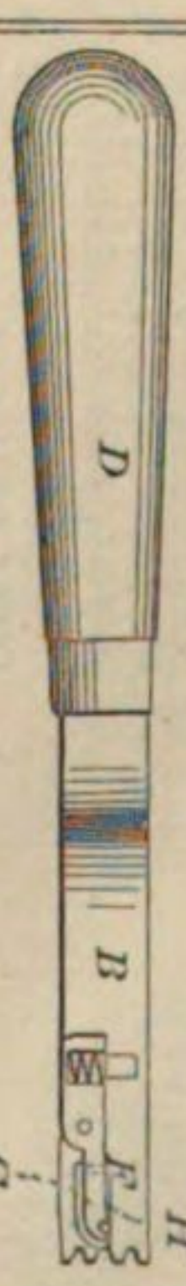
58748—E. A. & A. C. Apgar—*Geographical Map.*



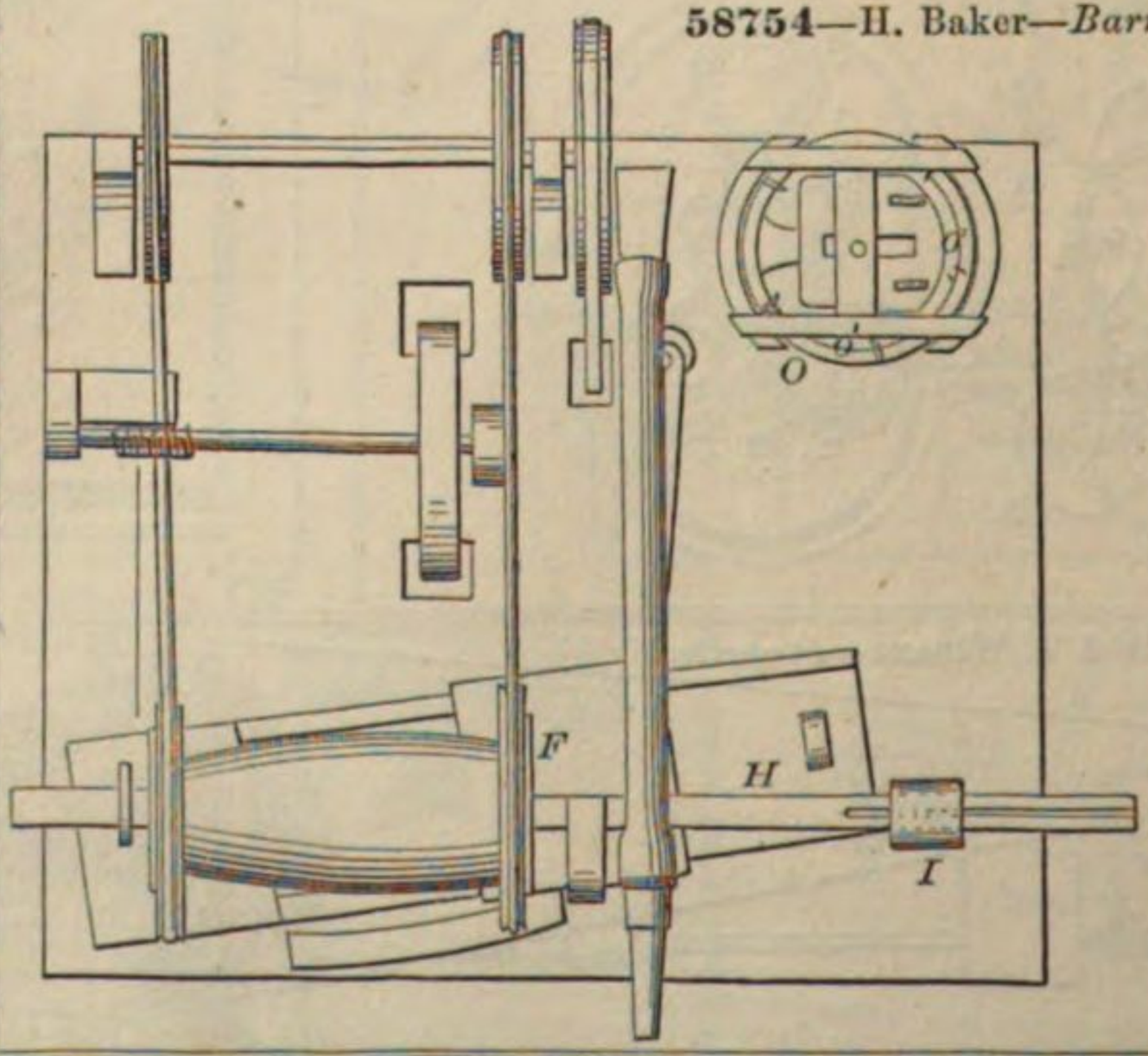
58752—N. E. Badgley—*Cotton Seed Planter.*

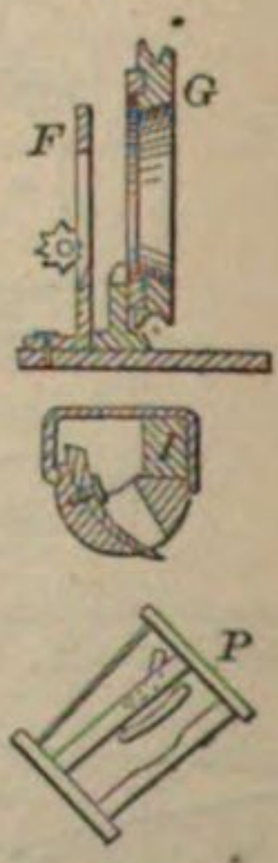


58751—F. Ashley—*Carpet Stretcher and Tack Holder.*

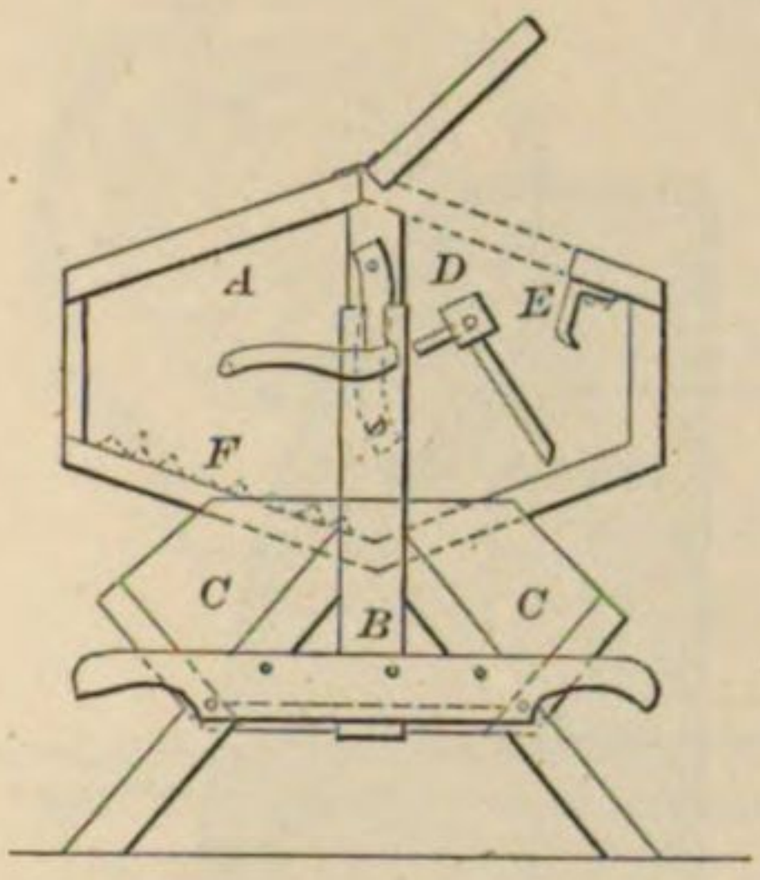


58754—H. Baker—*Barrel Machinery.*

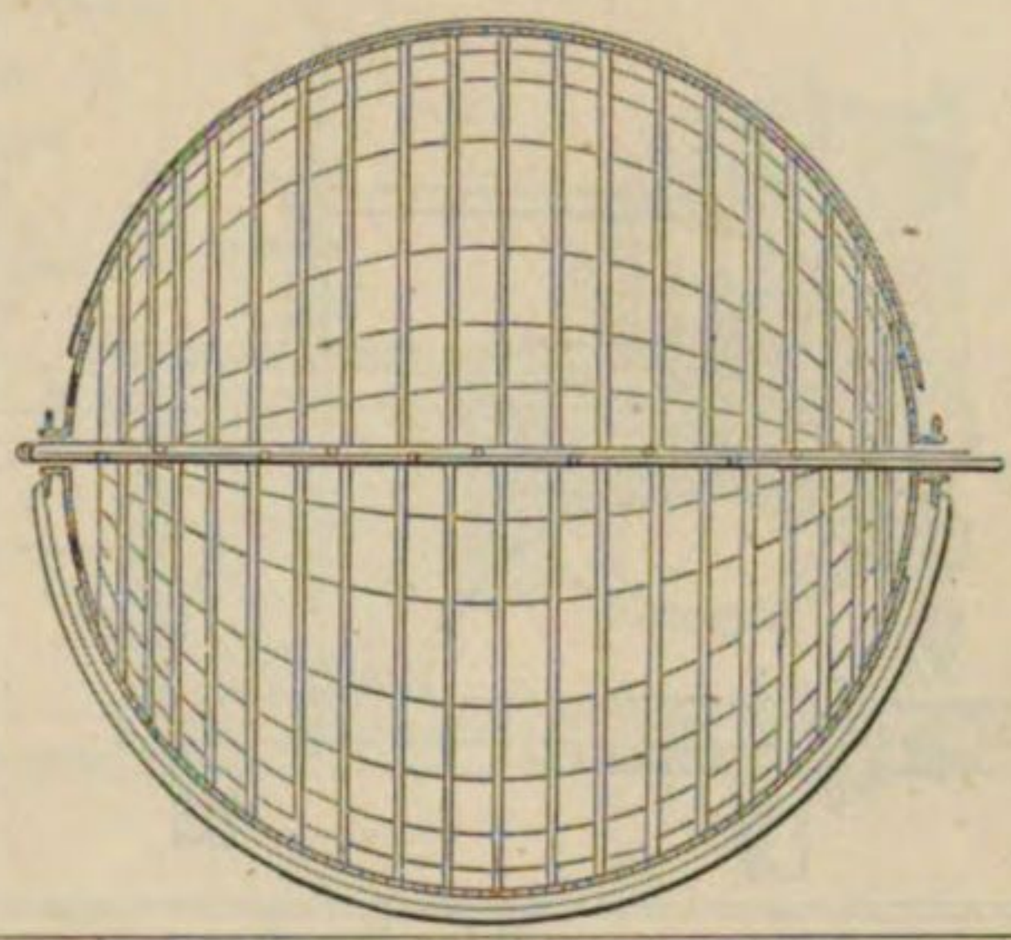




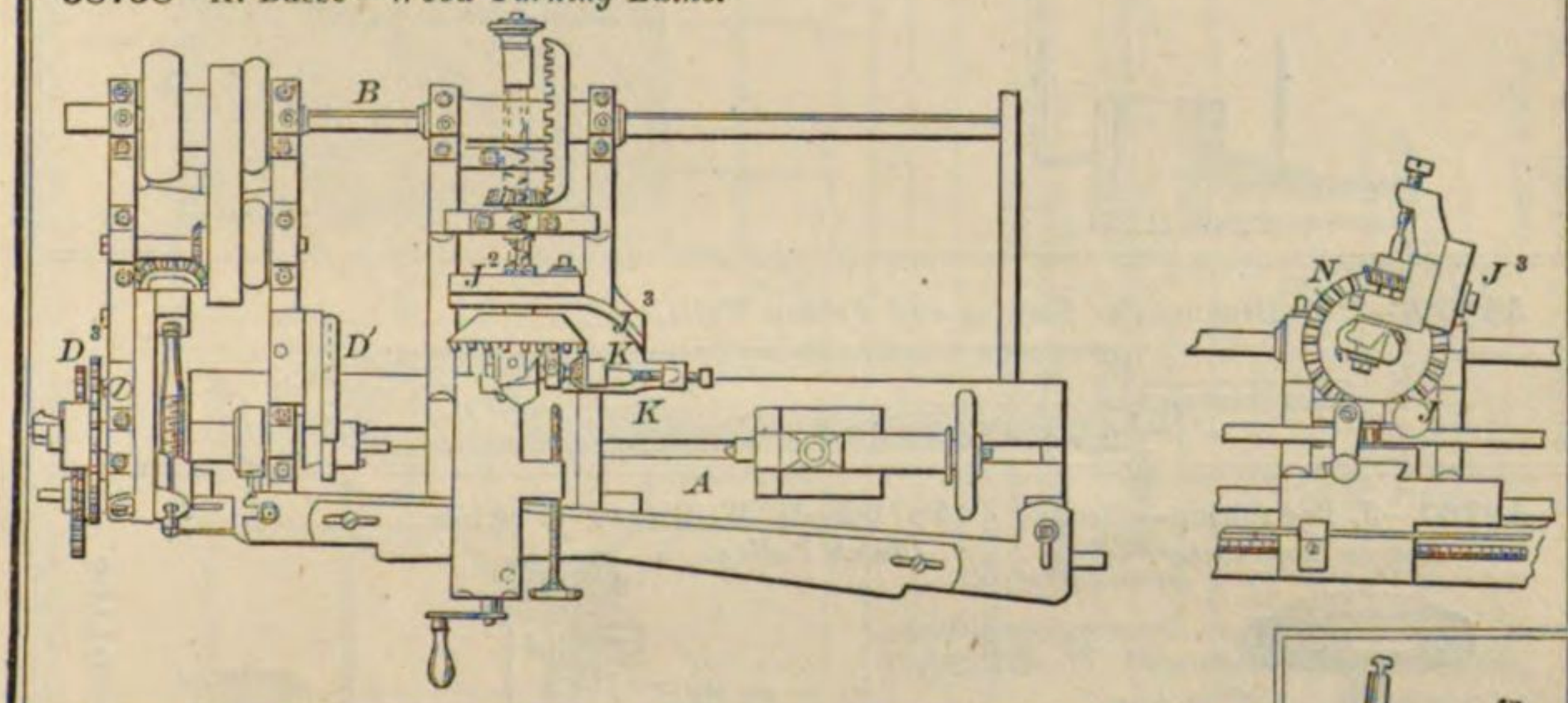
58756—H. Barker—*Washing Machine.*



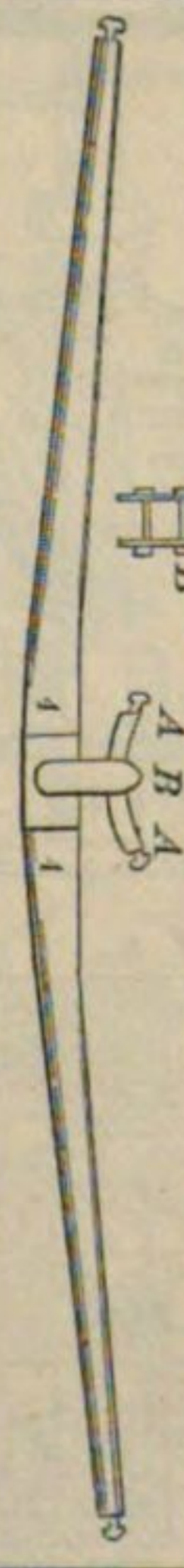
58757—E. Bascom—*Globe.*



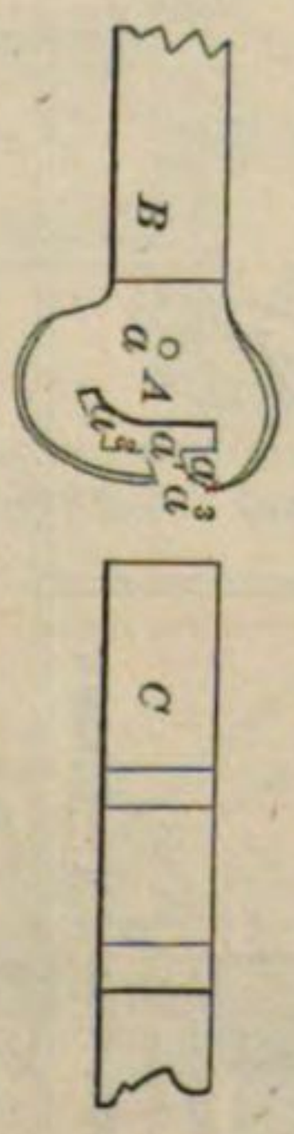
58758—A. Basse—*Wood Turning Lathe.*



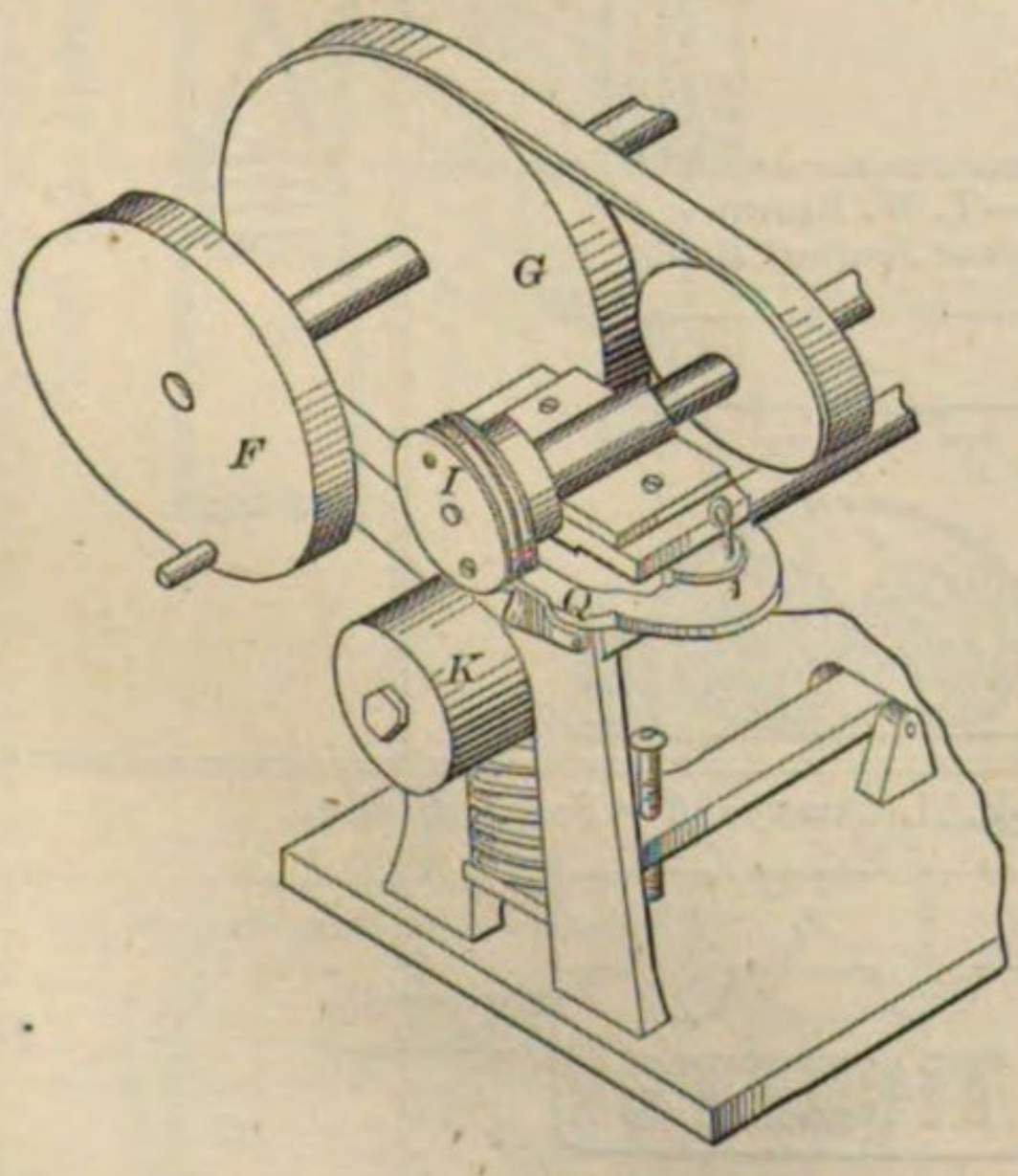
58759—A. Bell—*Whiffletree.*



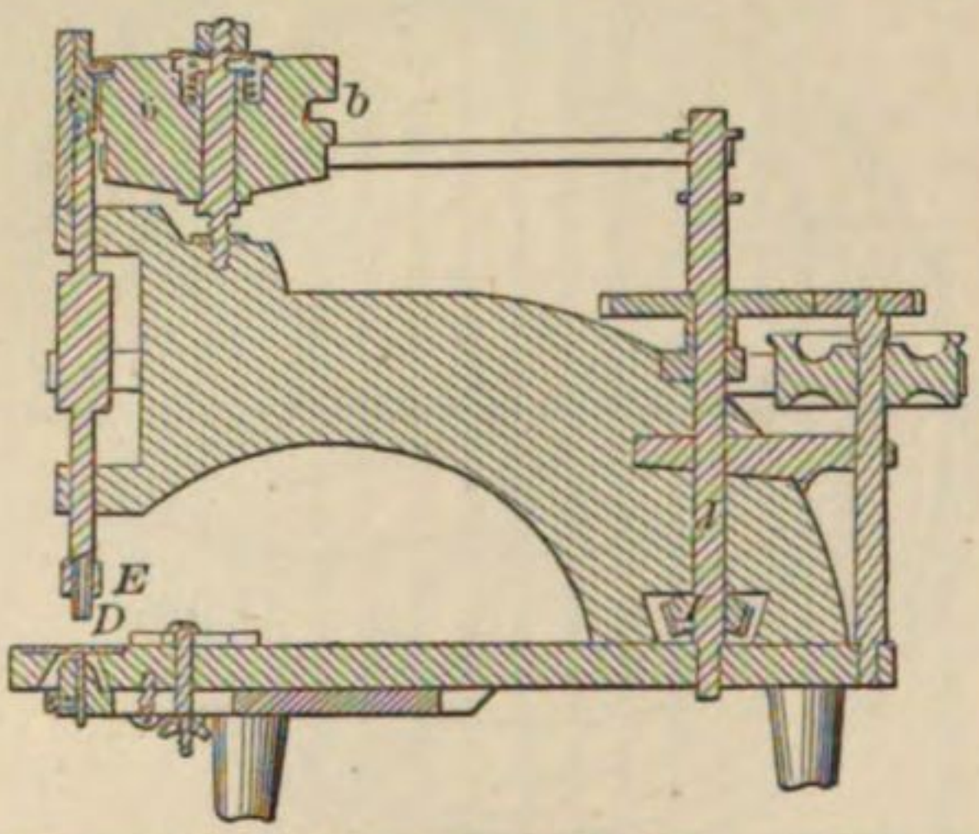
58760—G. N. Beard—*Hoop Lock.*



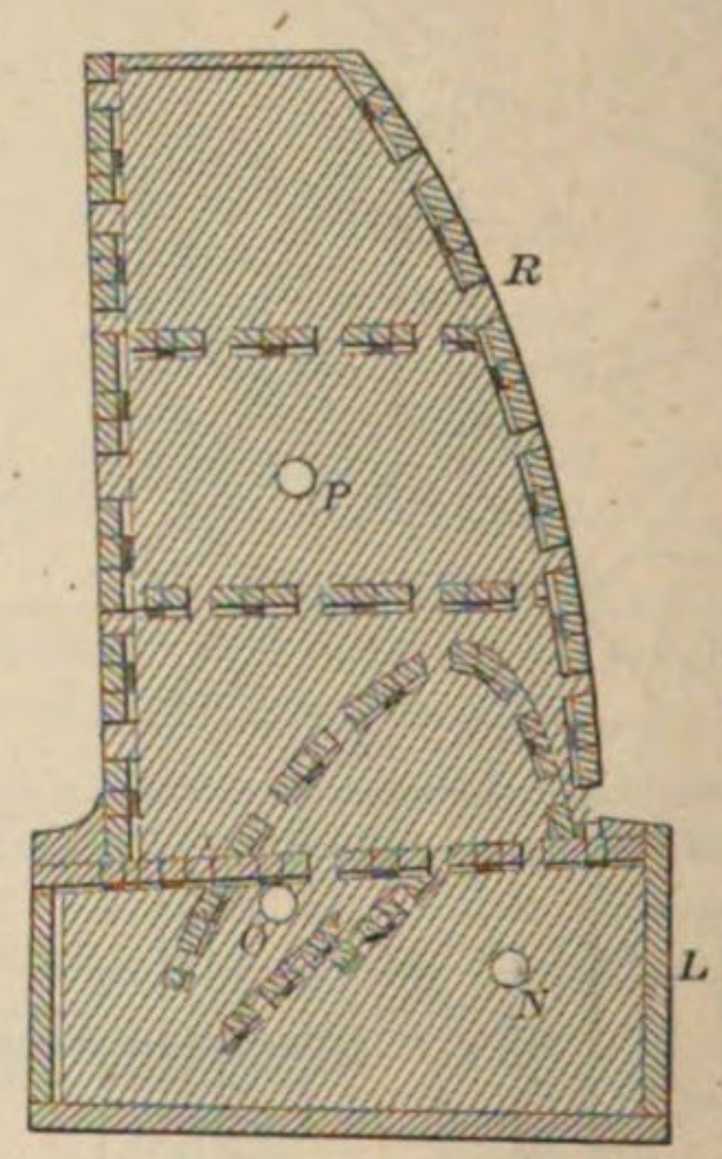
58761—J. M. Bent—*Creasing or Ornamenting Leather.*



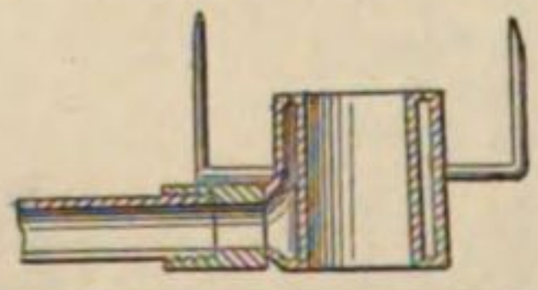
58762—J. M. Bent—*Punching Leather.*



58763—J. Benz—*Piano Sound Board.*

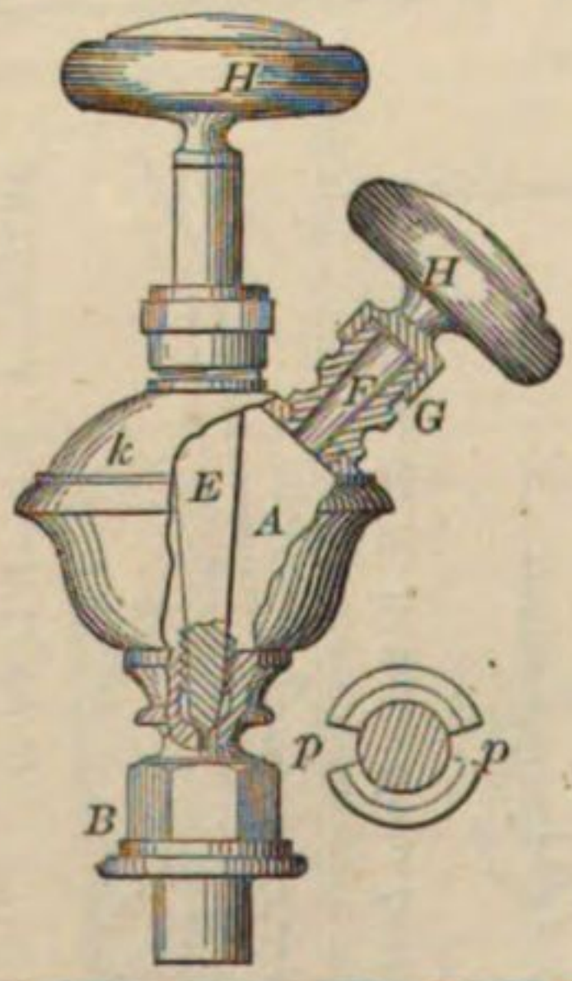


58764—Berg & Blessing—*Gas Burner.*

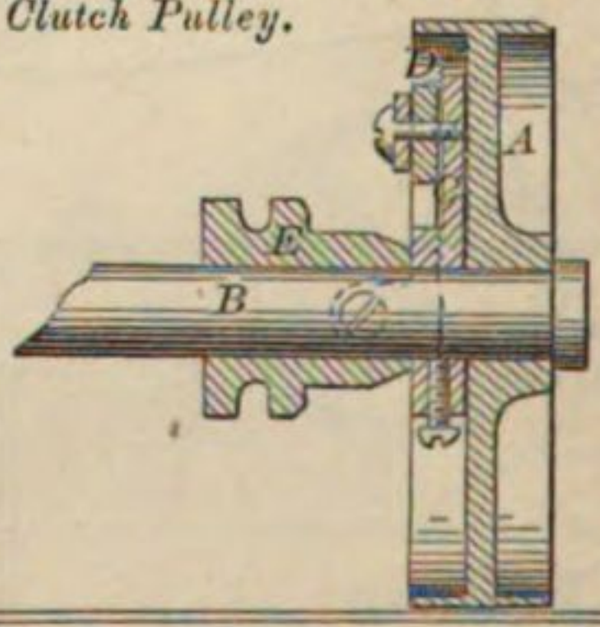


58769—J. H. Bruen—*For Sinking and Tubing Wells.*

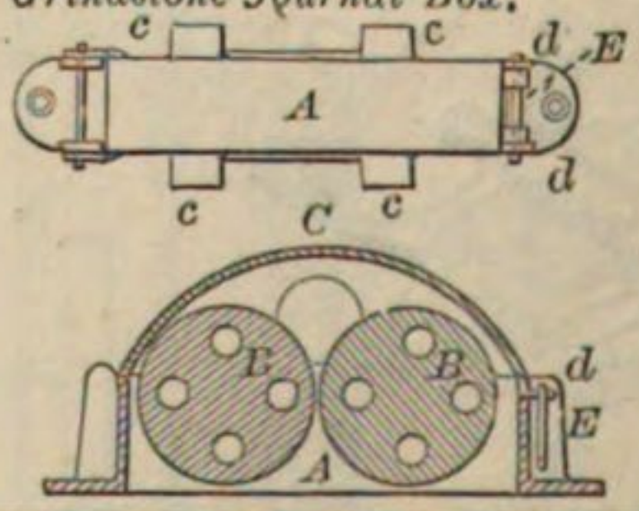
58767—J. Broughton—*Steam Engine Lubricator.*



58765—G. W. Bishop—*Friction Clutch Pulley.*

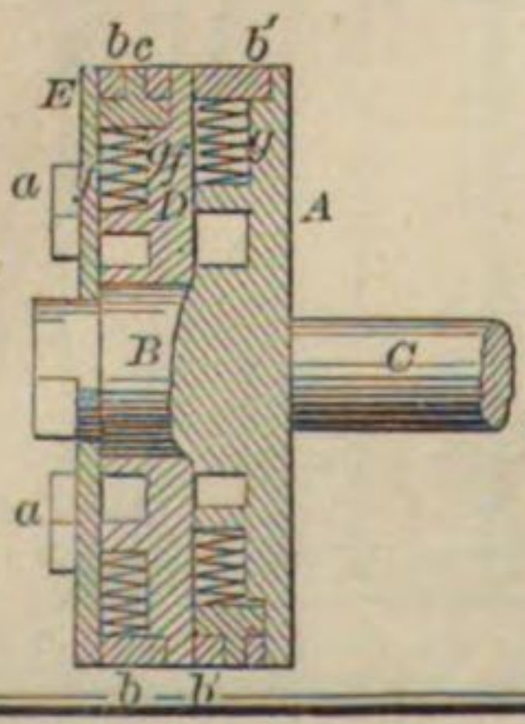


58768—T. W. Brown—*Grindstone Journal Box.*



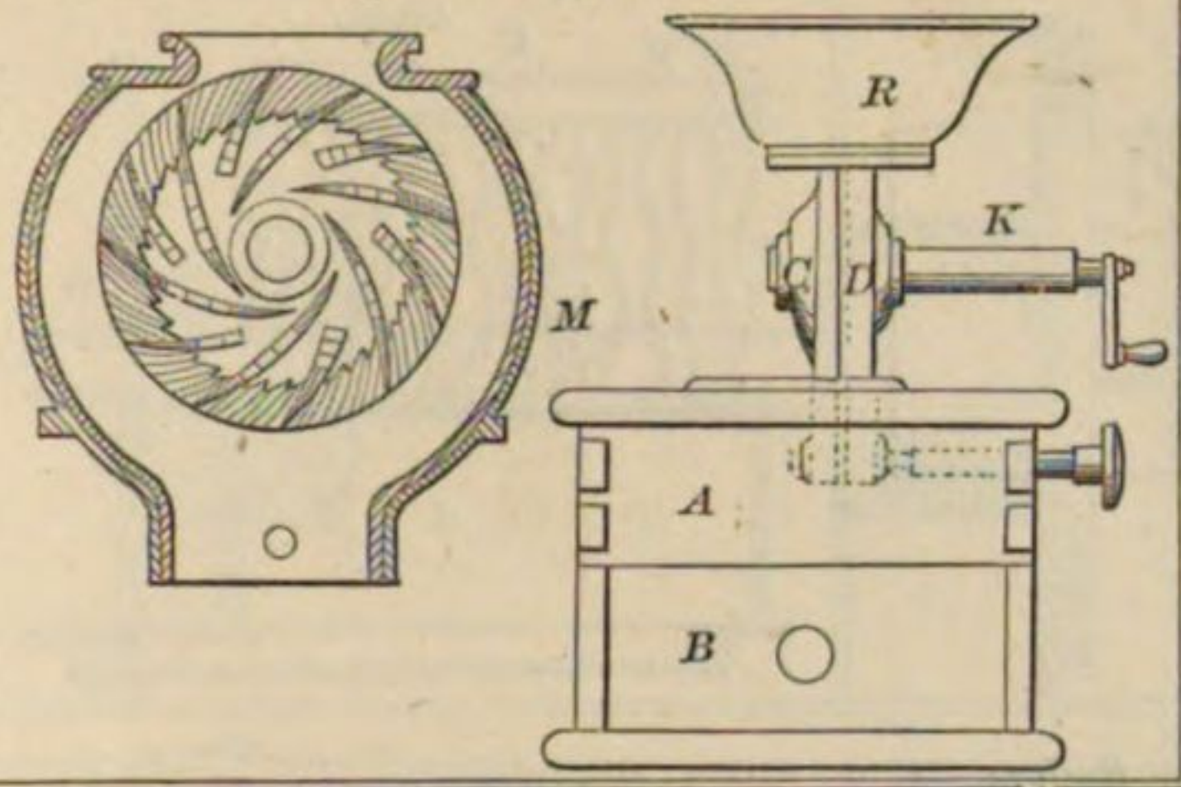
58770—C. H. Butterfield—*Egg Beater.*

58766—J. Broughton—*Piston Packing.*

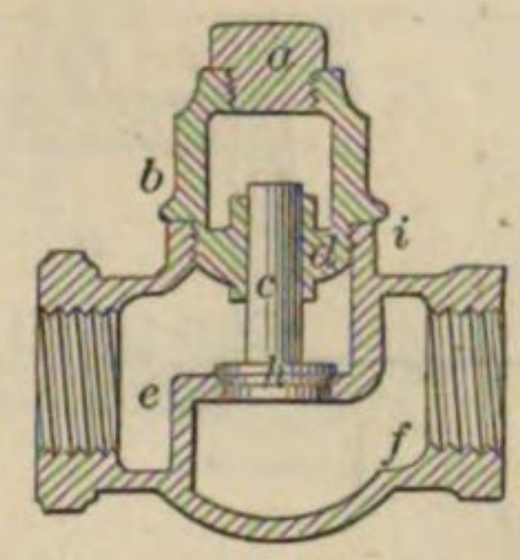


58771—F. H. Carney—*Car Seat Indicator.*

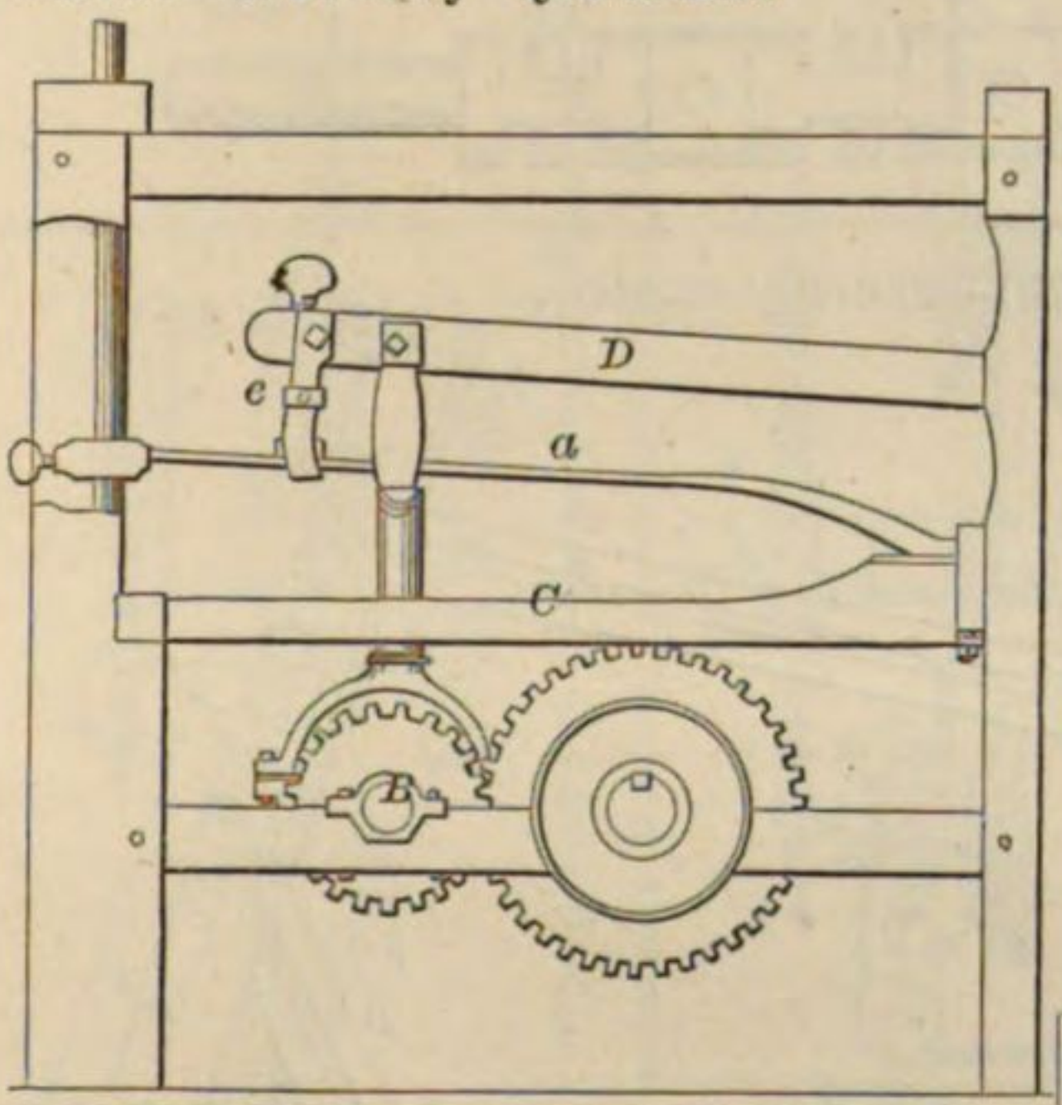
58772—N. Chapman—*Coffee Mill.*

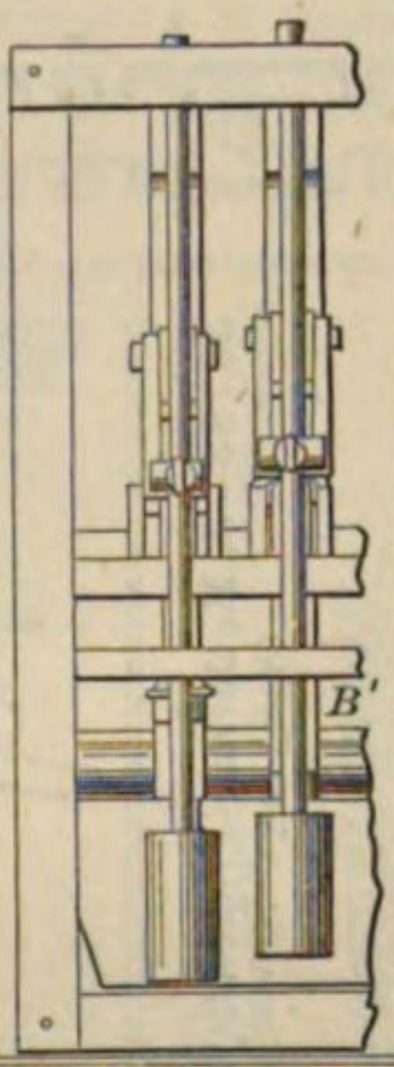


58774—W. Chesley—*Globe Valve.*

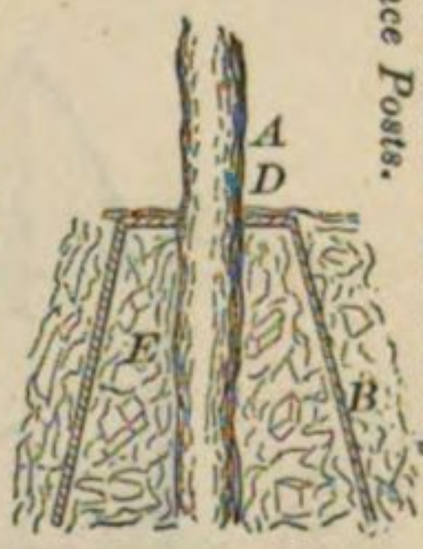


58777—C. P. Colby—*Quartz Mill.*

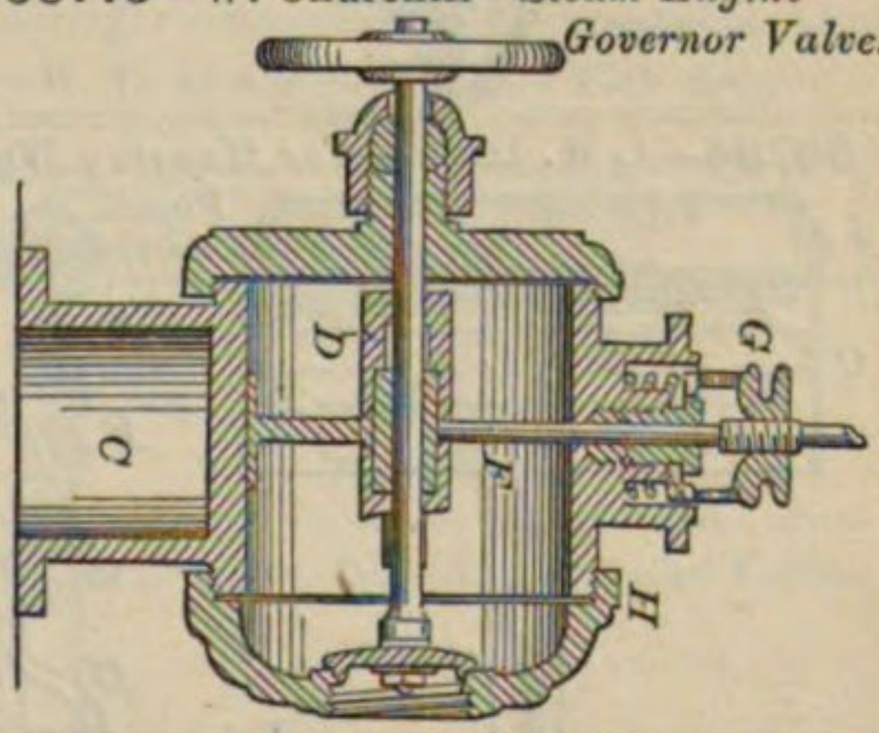




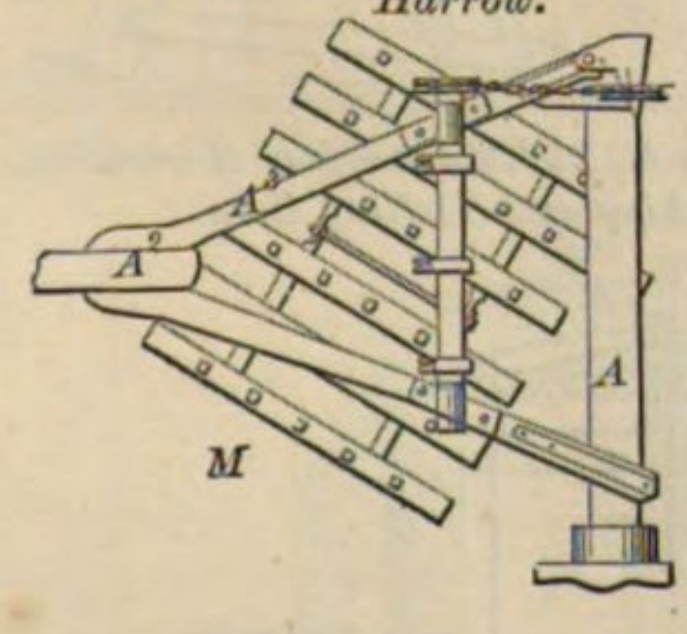
58776—H. W. Clarke—*For Setting Fence Posts.*



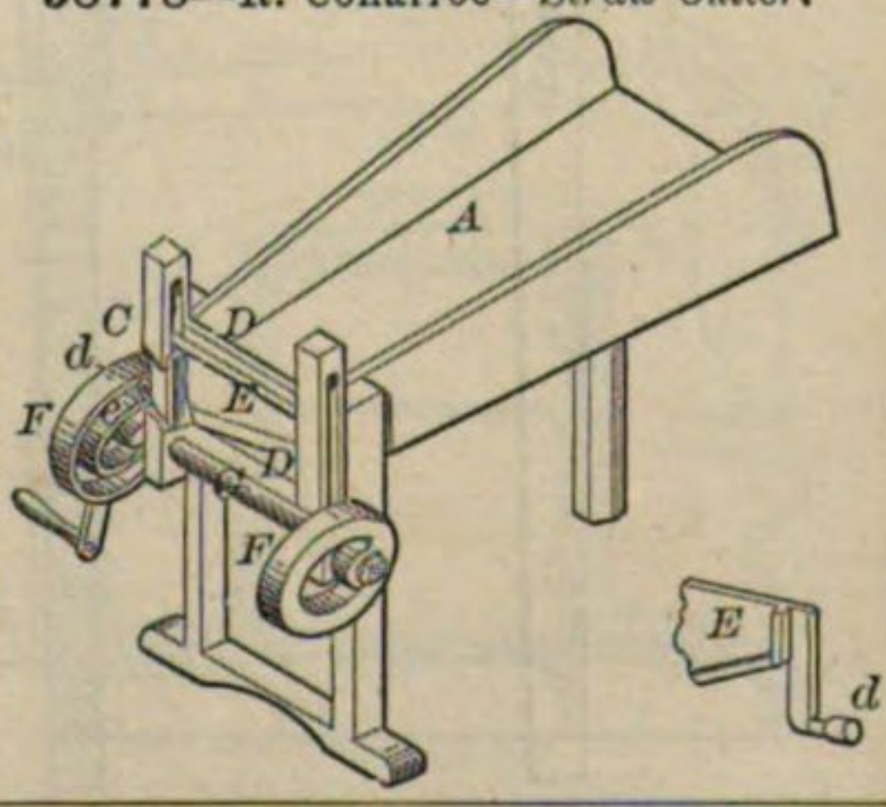
58775—W. Churchill—*Steam Engine Governor Valve.*

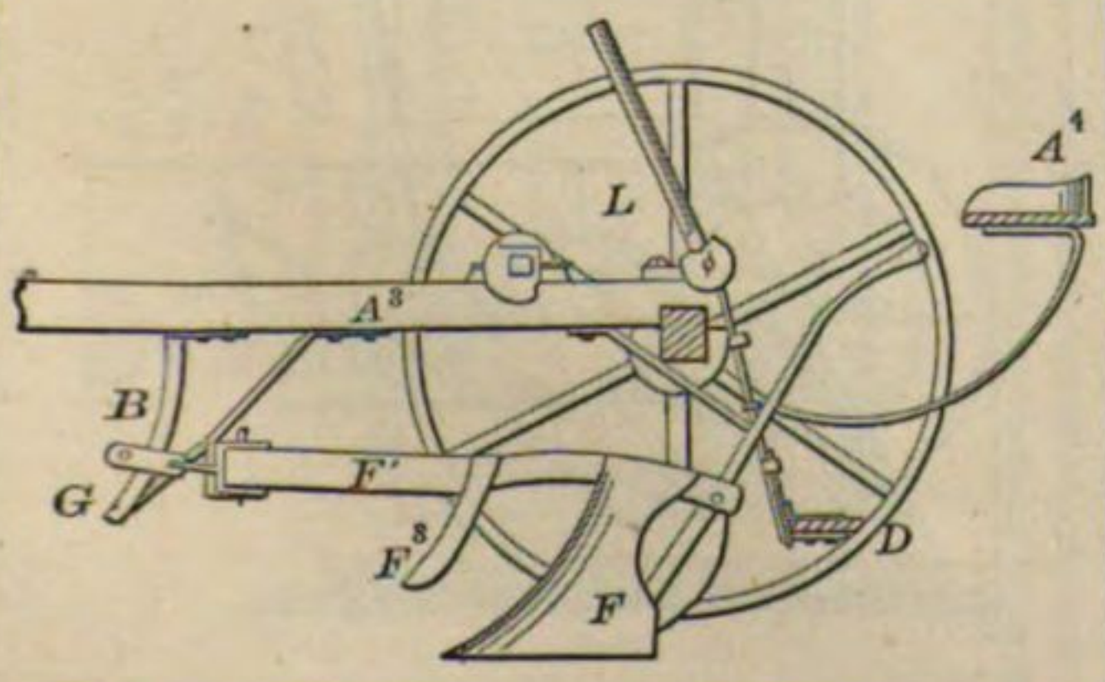


58773—J. E. Cheasebro—*Sulky Plow and Harrow.*

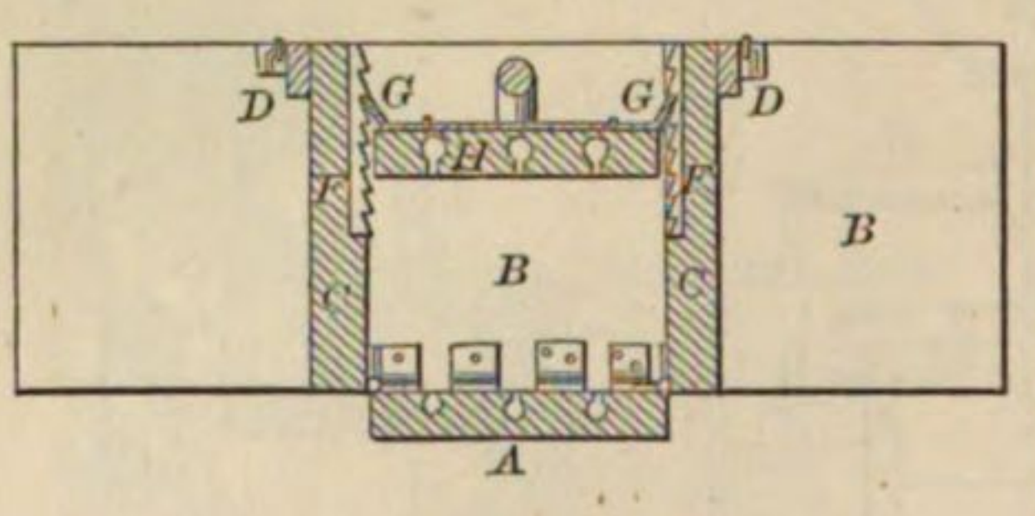


58778—R. Conarroe—*Straw Cutter.*

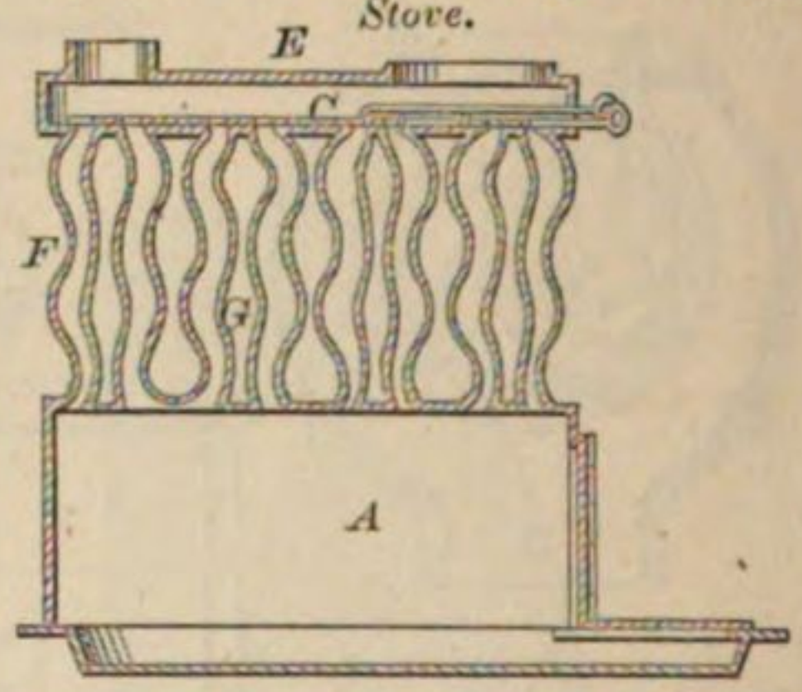




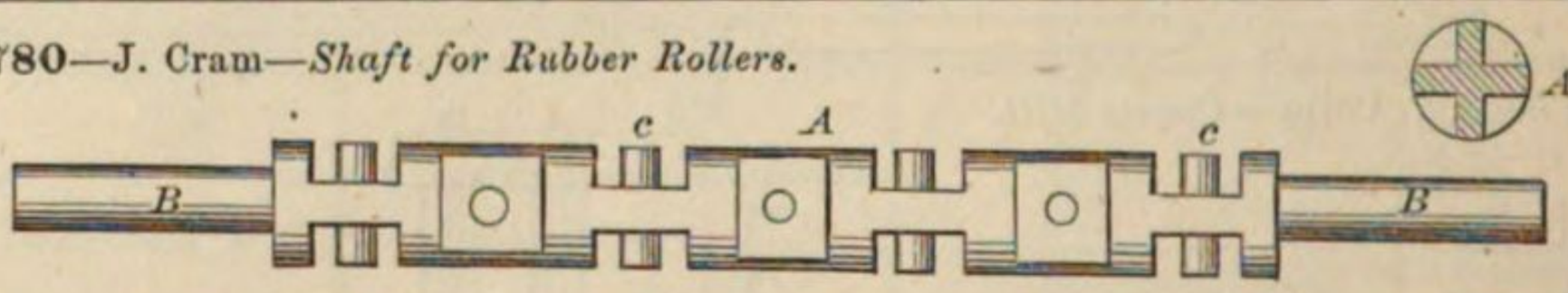
58779—S. Cooley—*Wool Press.*



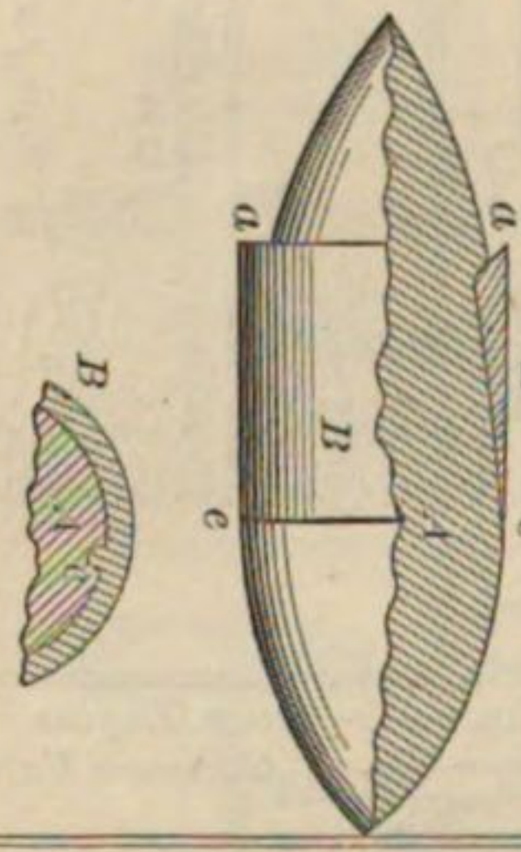
58782—E. N. Cummings—*Heating Stove.*



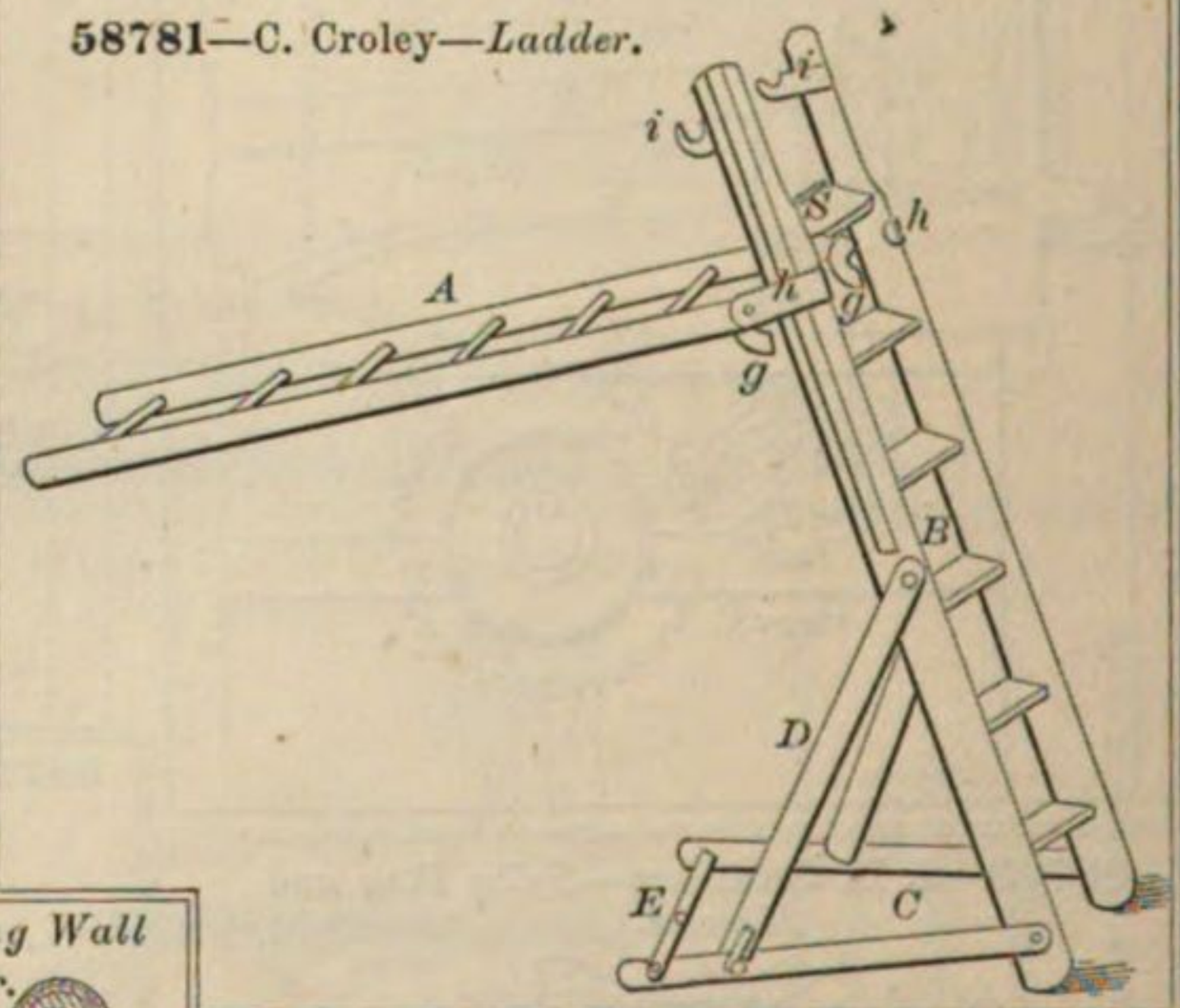
58780—J. Cram—*Shaft for Rubber Rollers.*



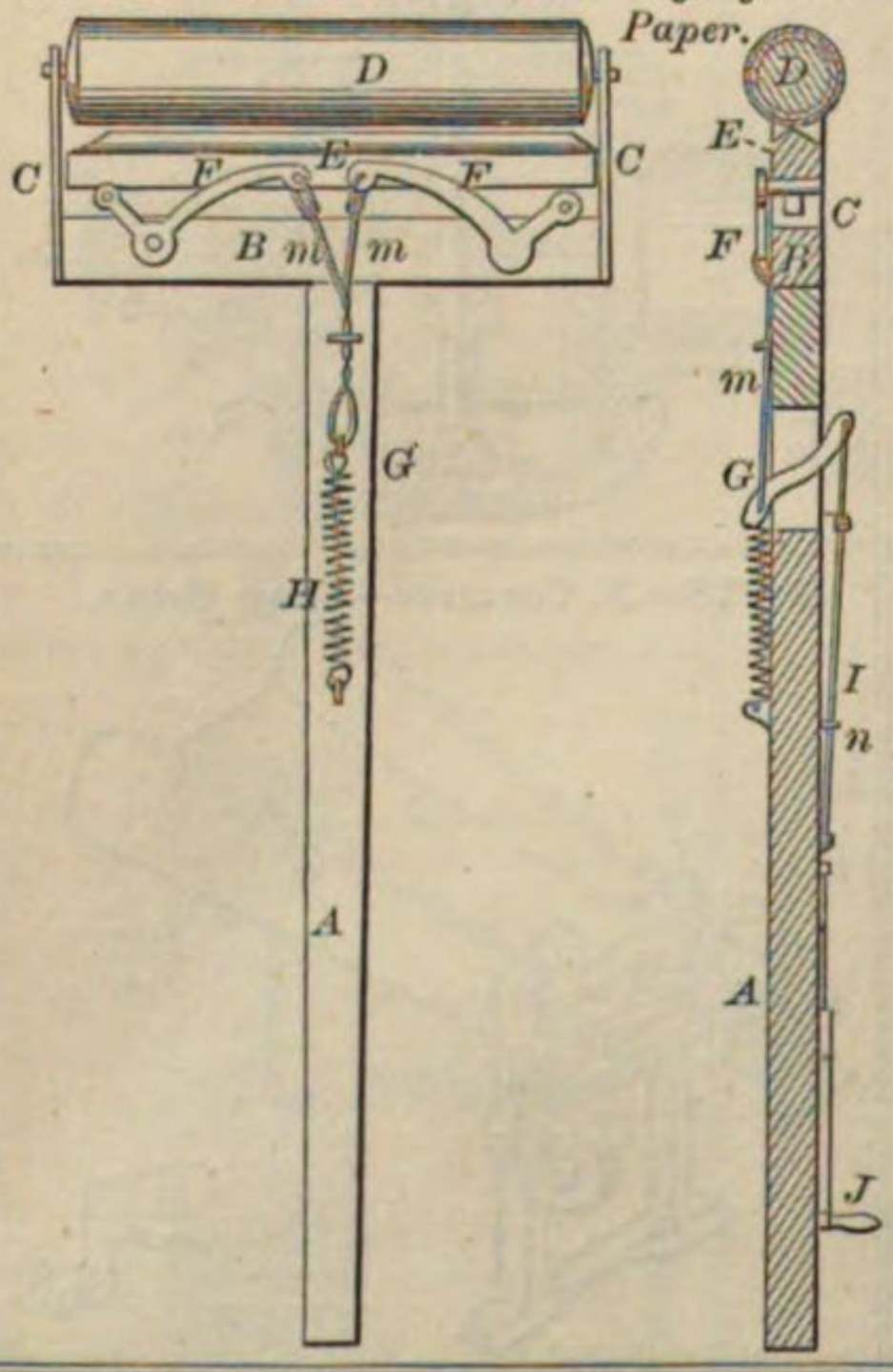
58783—J. M. Currie—*Projectile for Ordnance.*



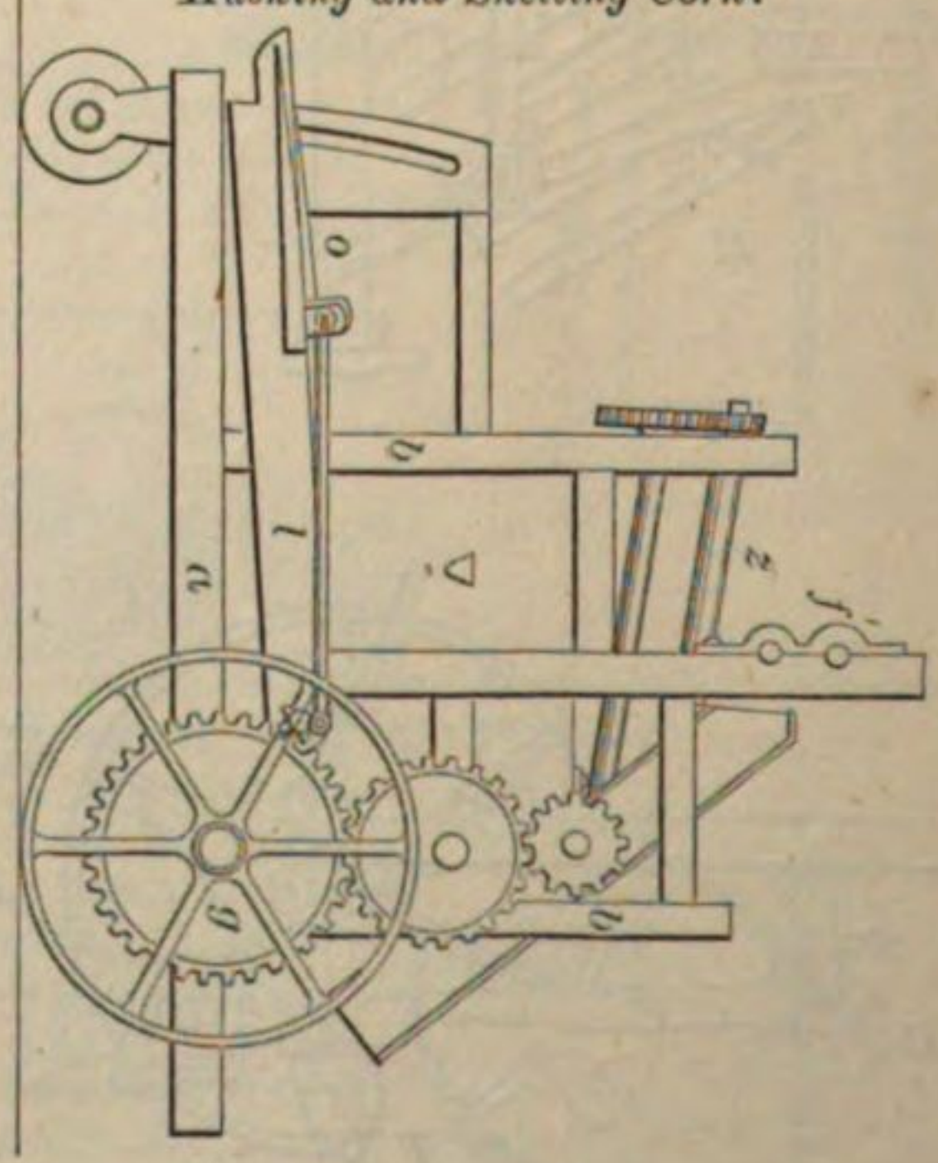
58781—C. Croley—*Ladder.*



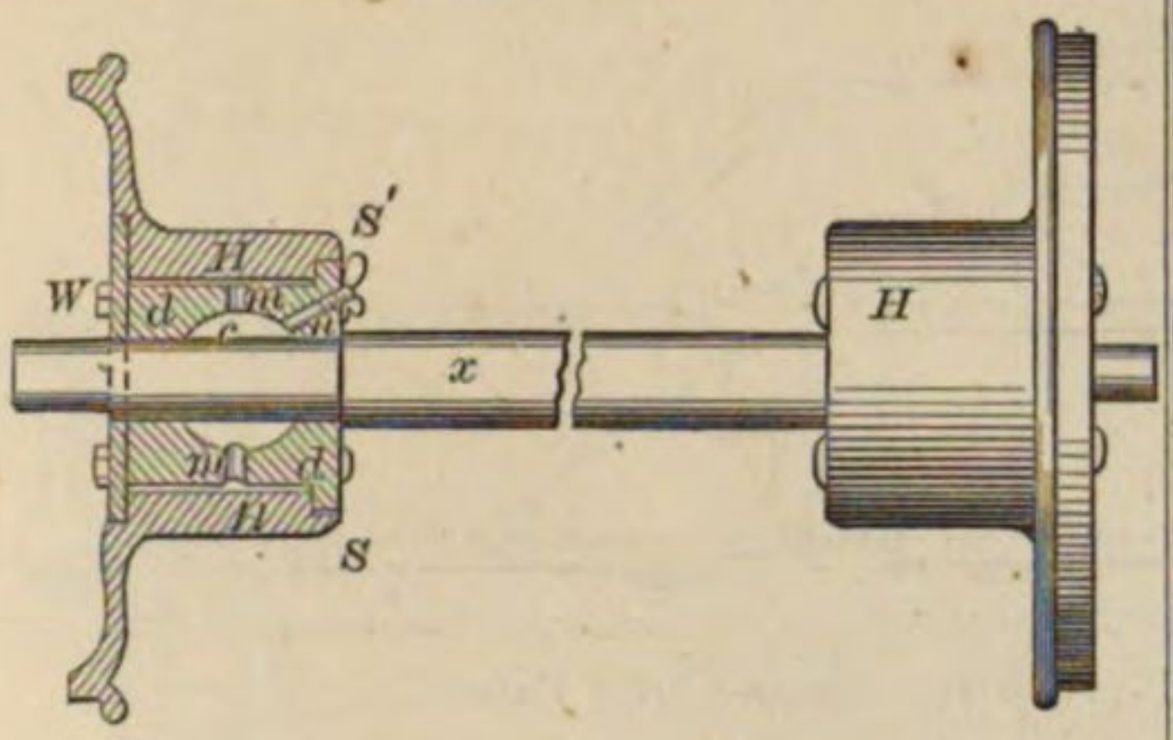
58784—J. W. Davis—*For Hanging Wall Paper.*



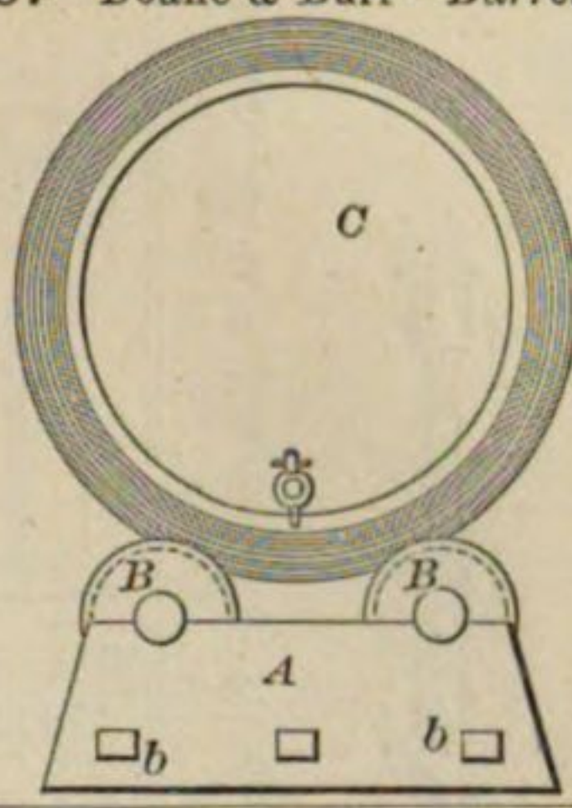
58785—D. A. Dickinson—*For Harvesting, Husking and Shelling Corn.*



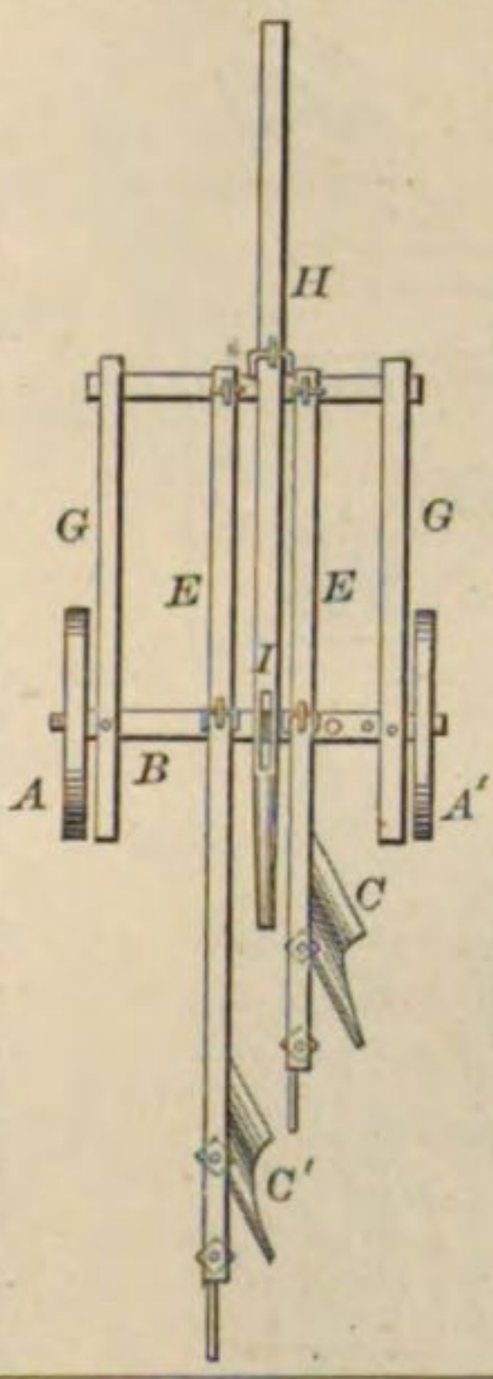
58786—W. Dickinson—*Car Wheel.*



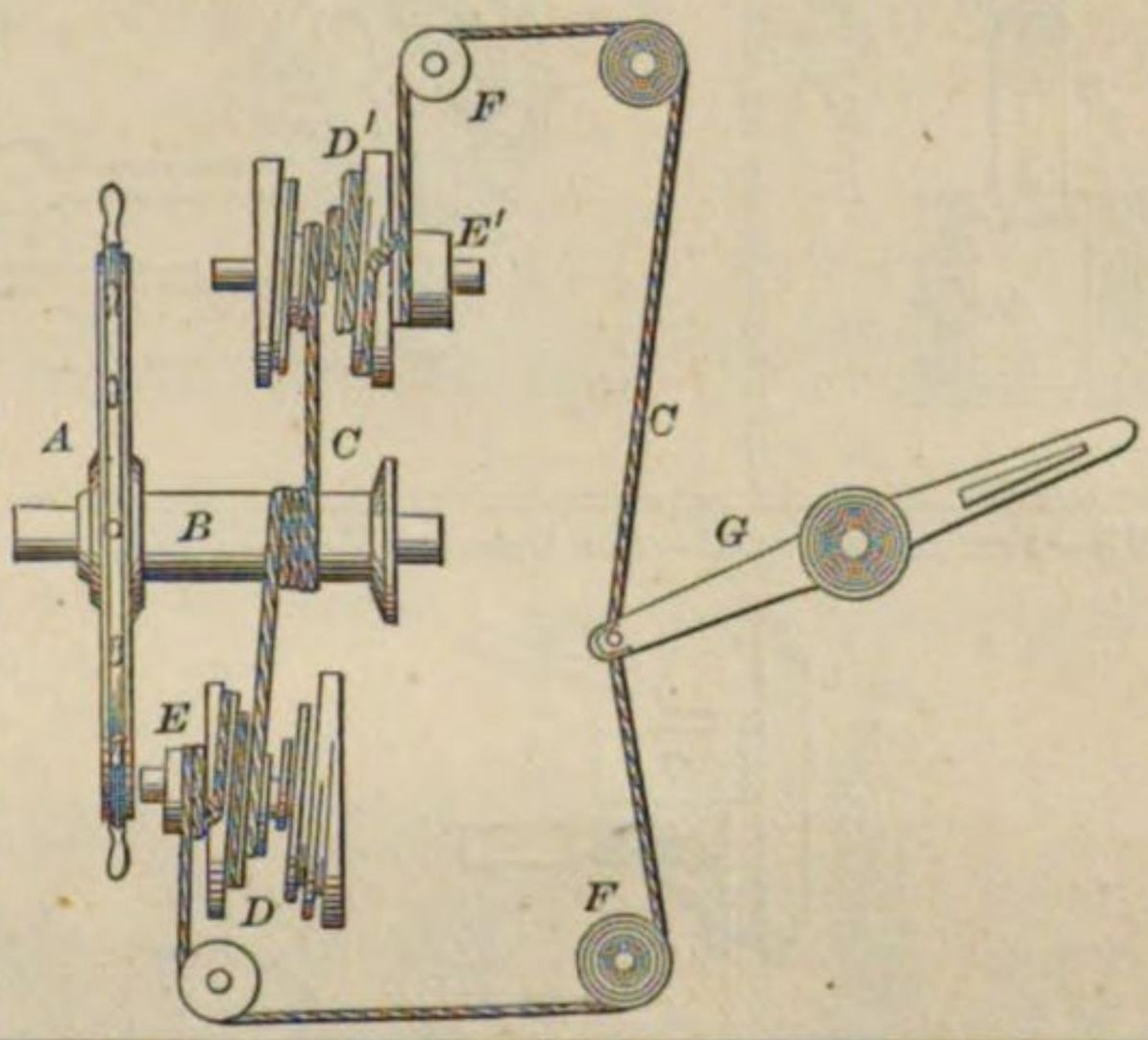
58787—Doane & Burr—*Barrel Skid.*



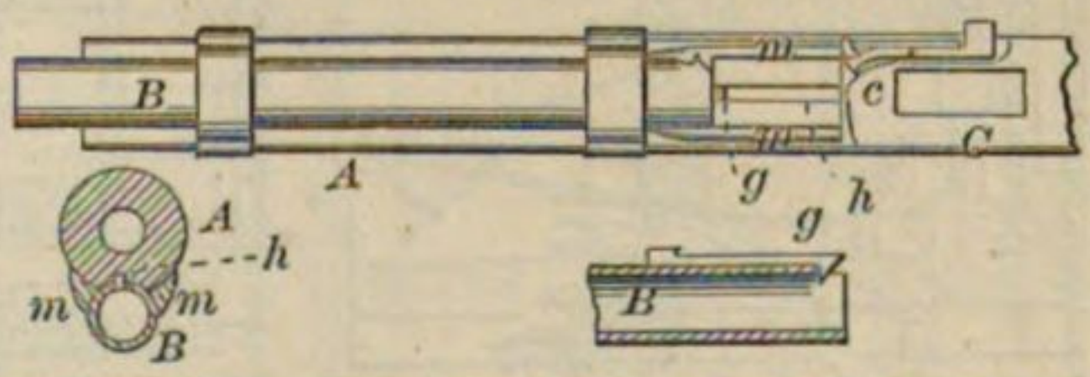
58788—Dodge & Walker—*Gang and Subsoil Plow.*



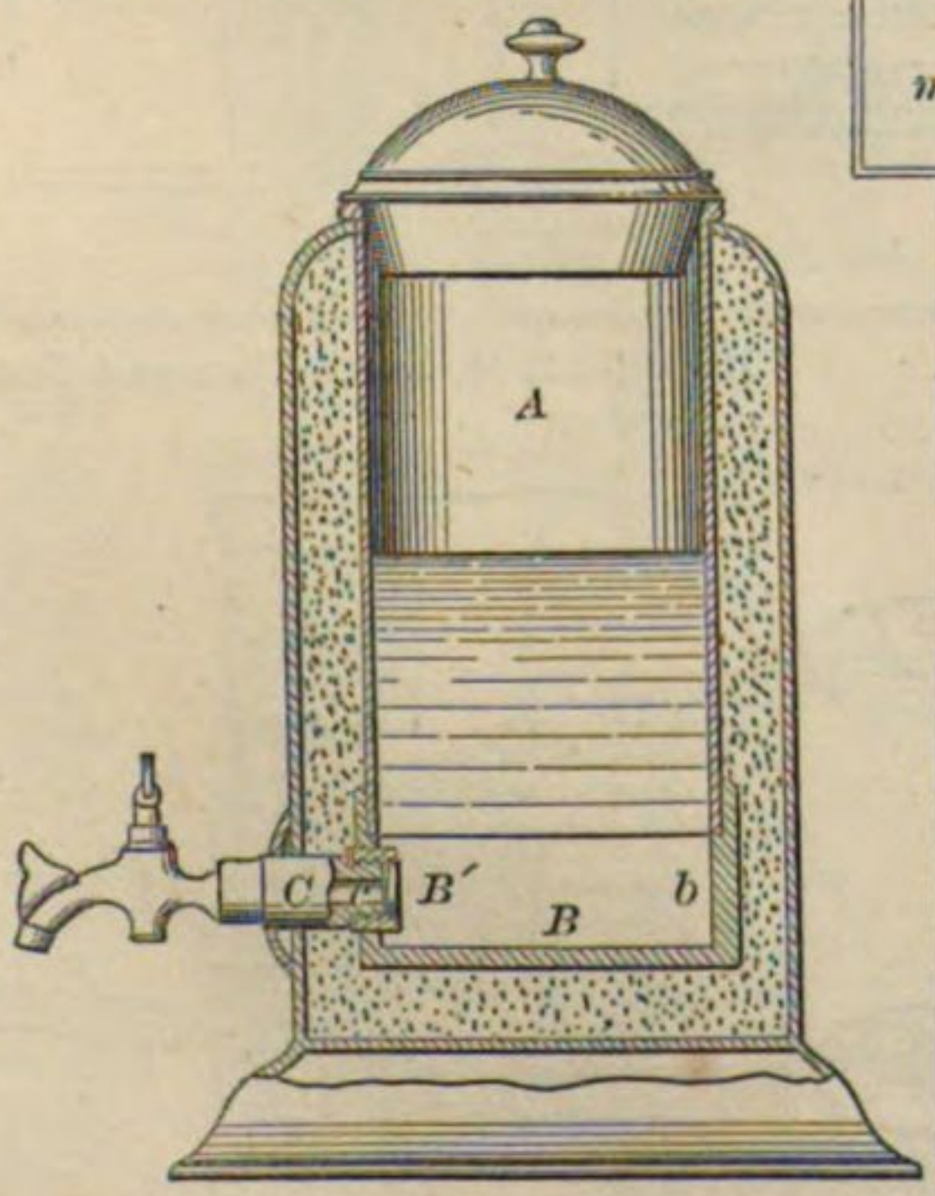
58791—Dupraz, Dumont & Dickason—*Steering Apparatus.*



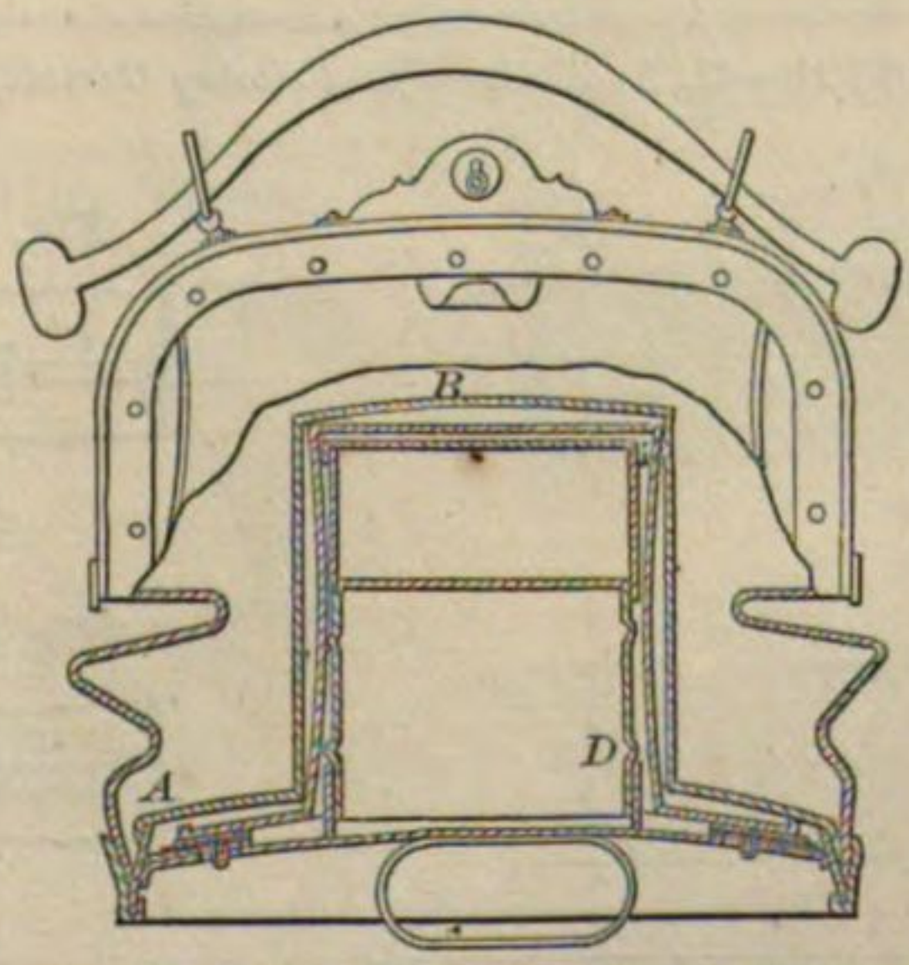
58790—W. C. Dodge—*Magazine Fire Arm.*



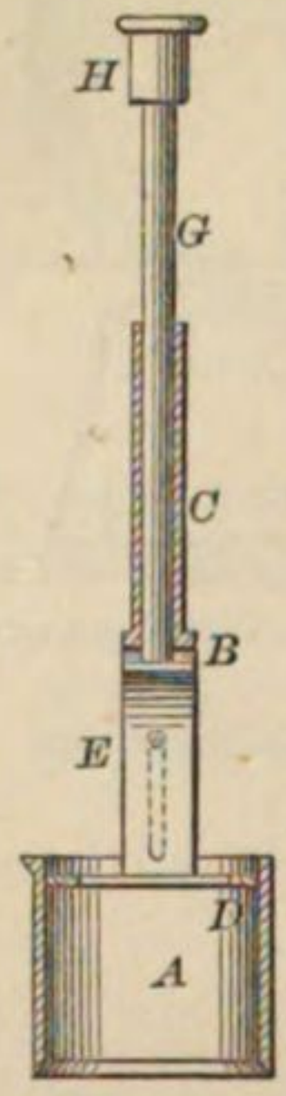
58793—J. Eckert—*Water Cooler.*



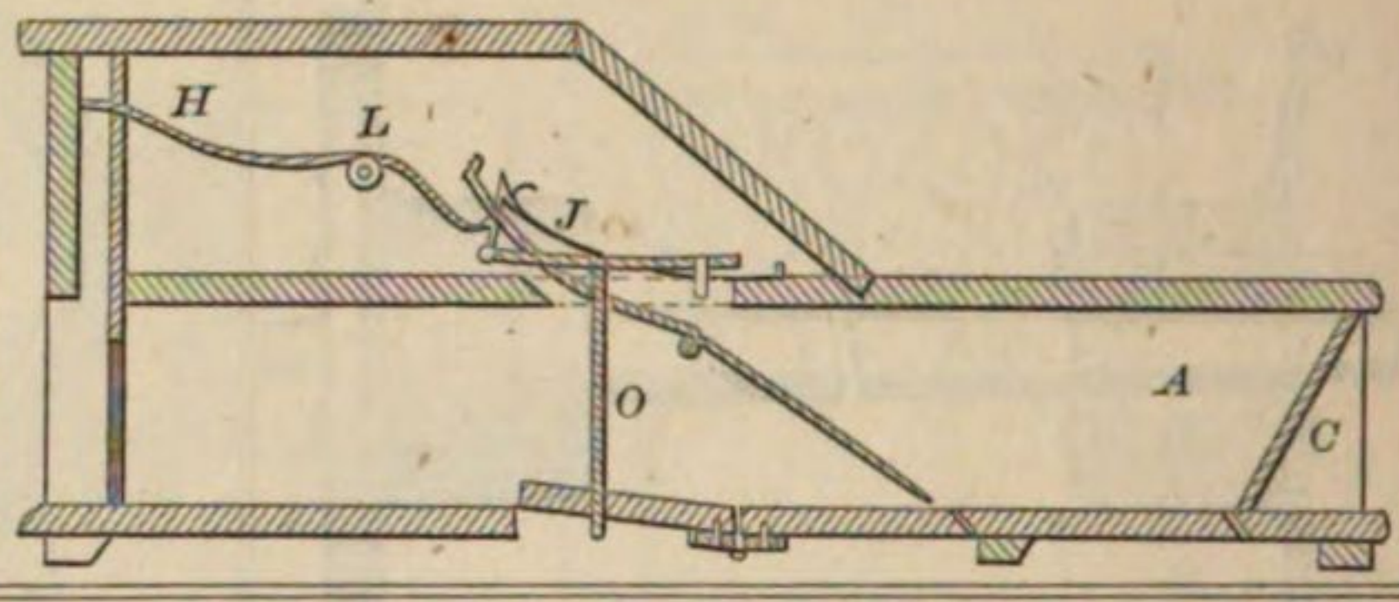
58792—Z. S. Durfee—*Hat Box and Valise.*



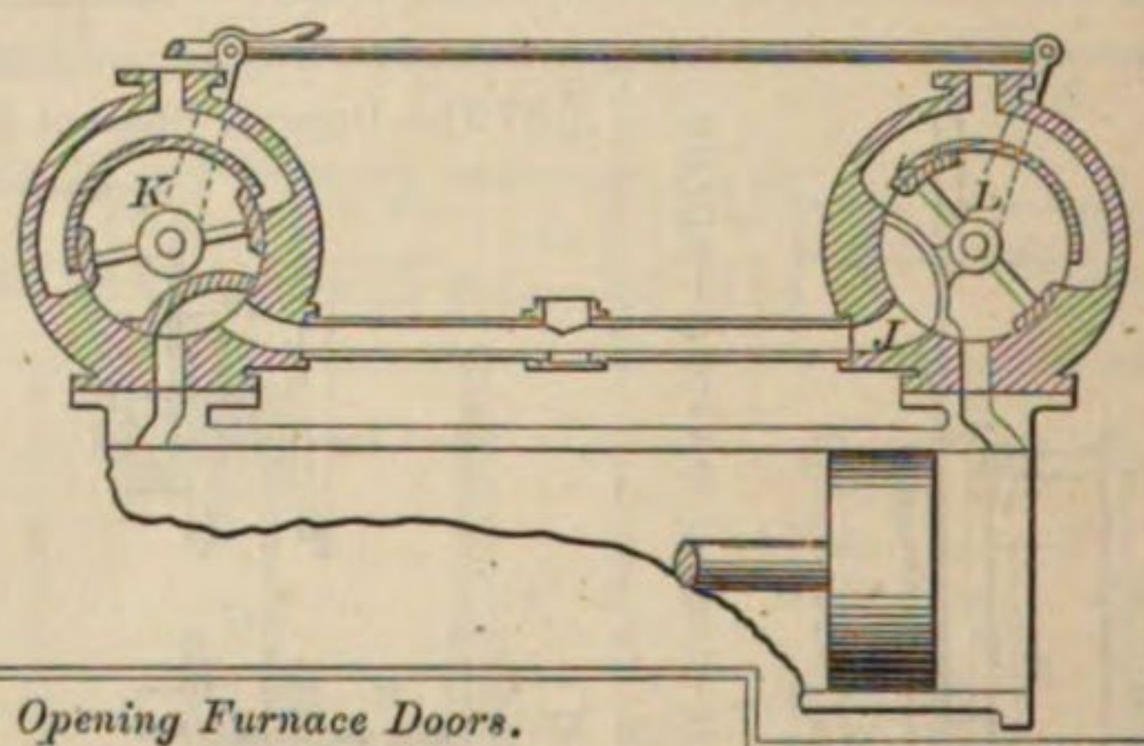
58794—W. C. S. Ellerbe—*For Transplanting Plants.*



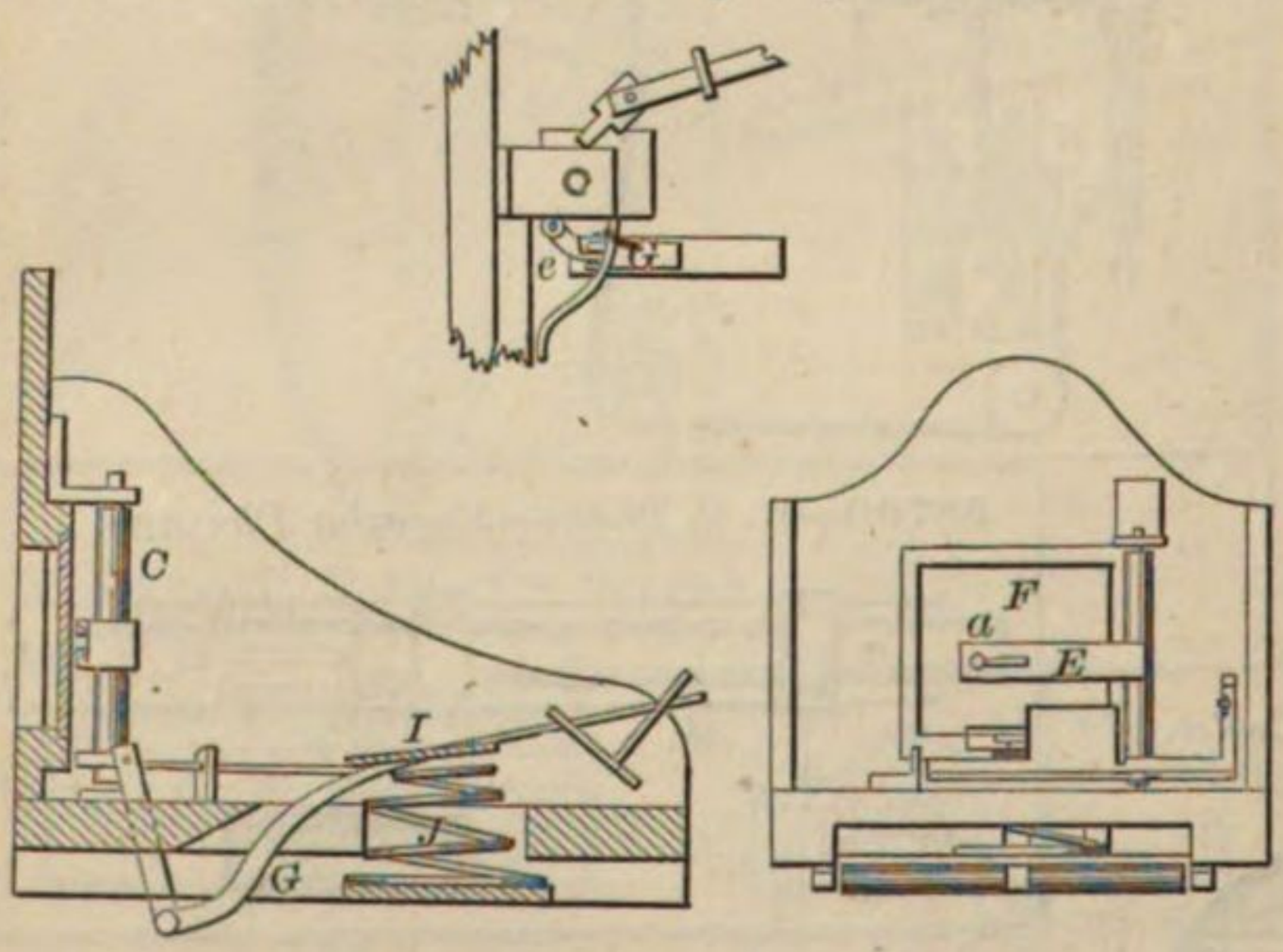
58795—S. F. Estell—*Animal Trap.*



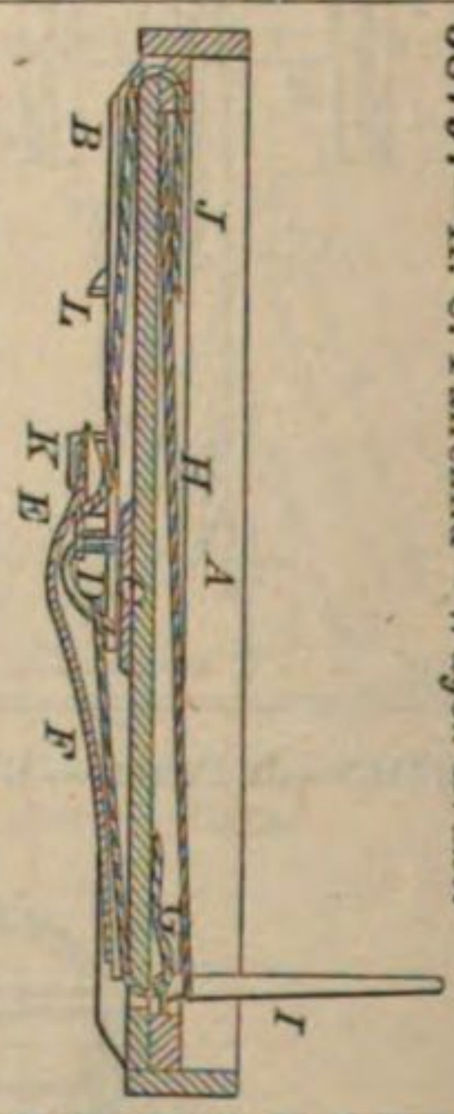
58796—R. P. Estep—*Steam Engine Valve.*



58799—Fessler & Maxell—*For Opening Furnace Doors.*



58797—H. C. Fairchild—*Wagon Brake.*



58800—G. A. Fitch—*For Priming Cartridges.*

Fig. 2

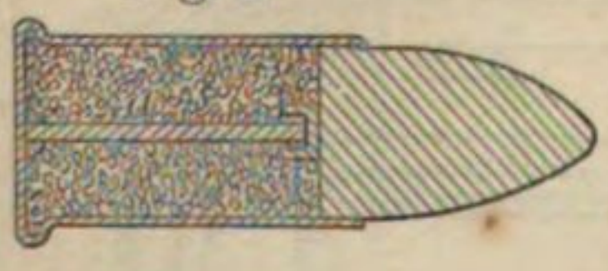


Fig. 3

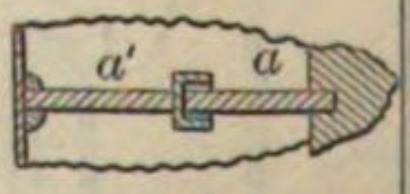


Fig. 1

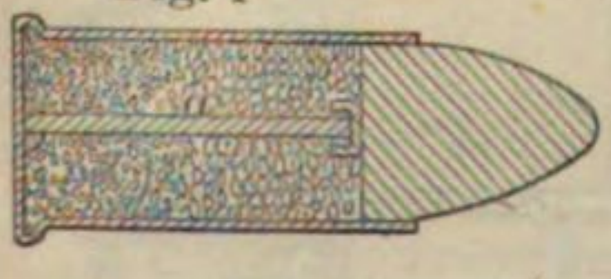
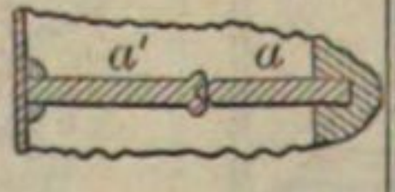
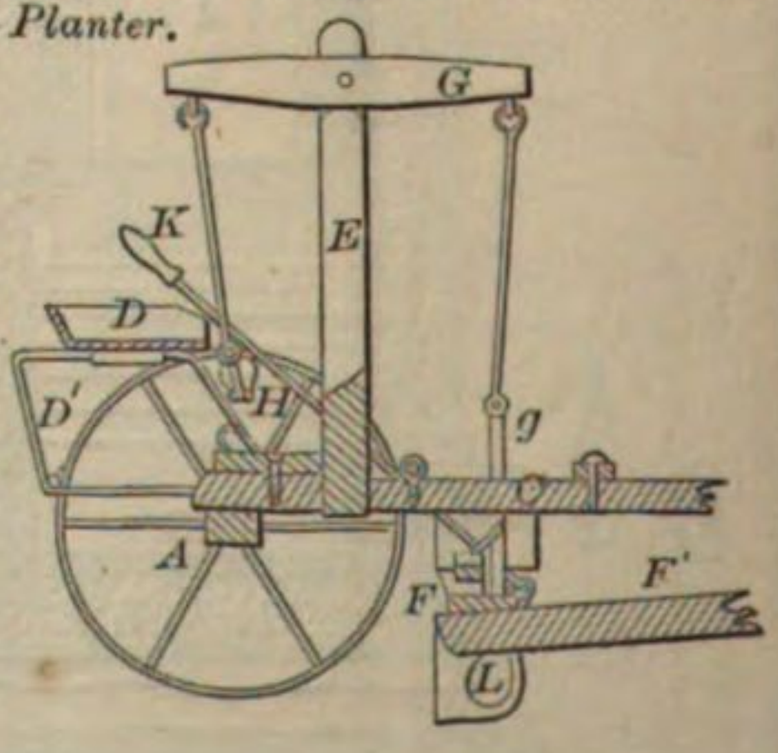


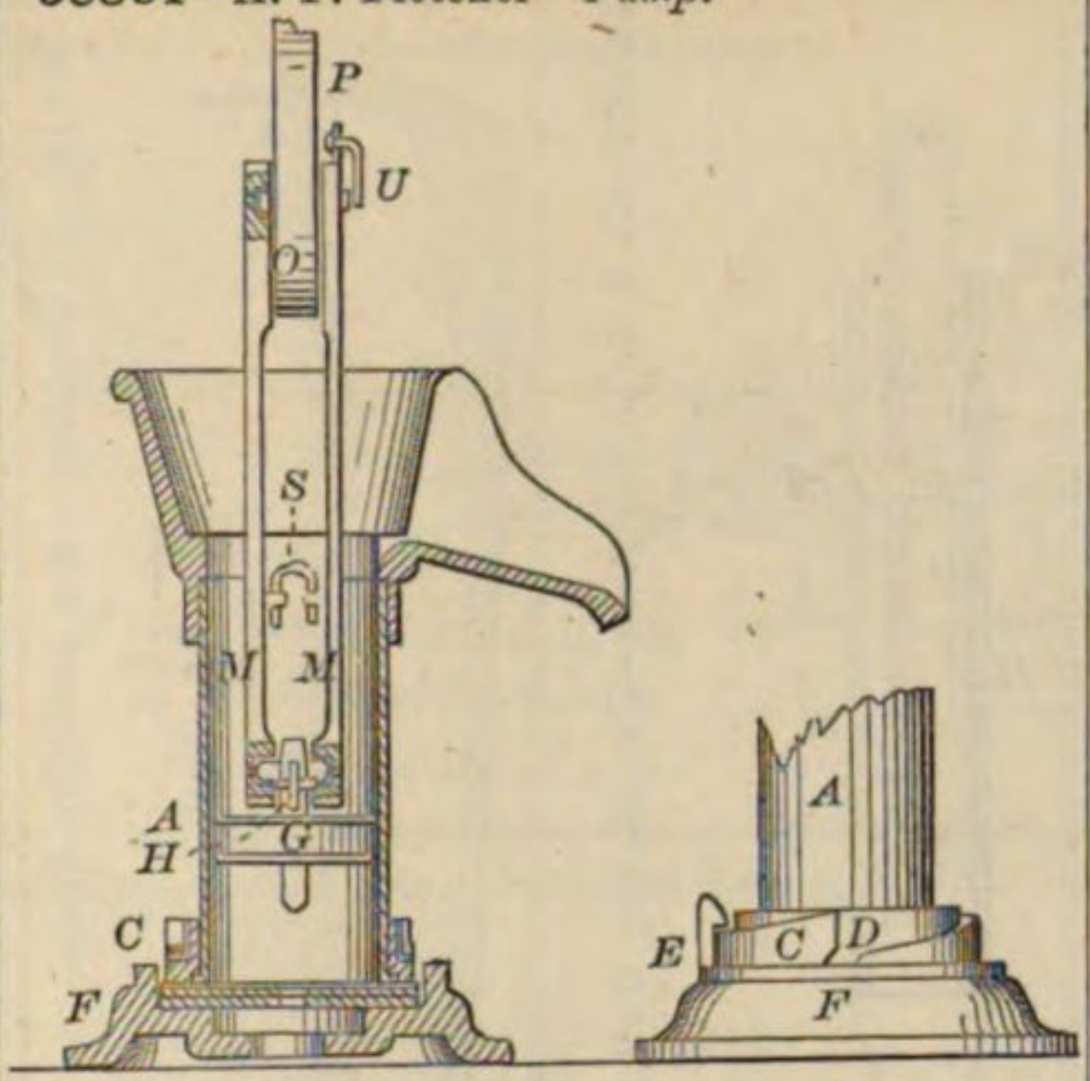
Fig. 4



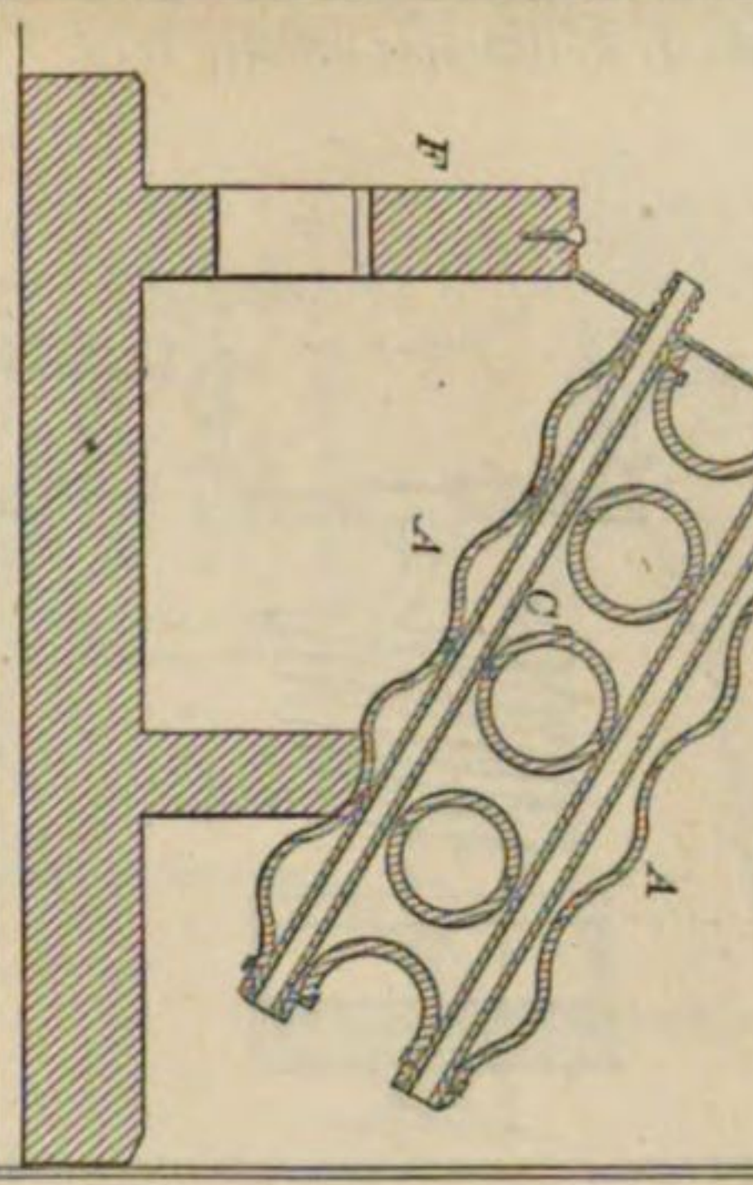
58798—J. M. Fate—*Corn and Cane Planter.*



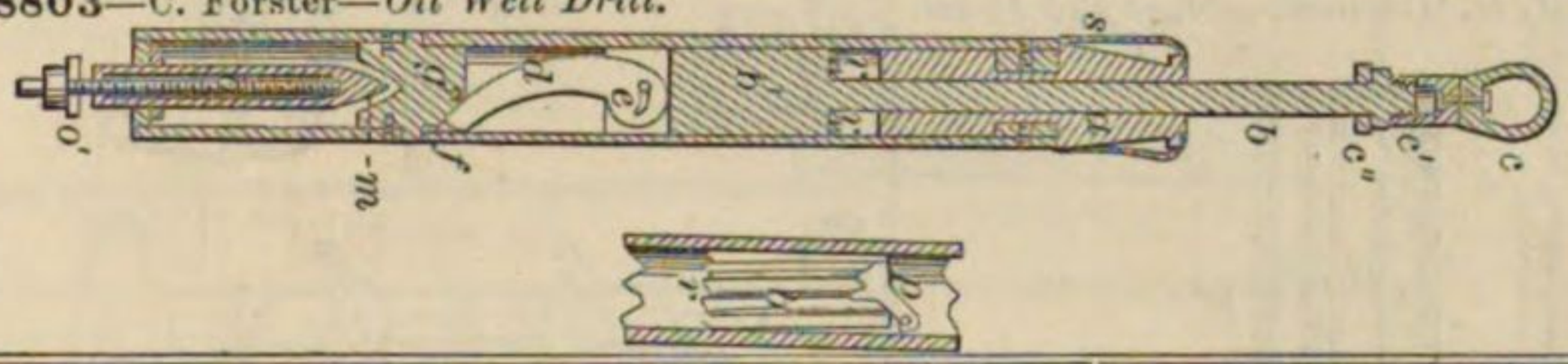
58801—A. F. Fletcher—*Pump.*



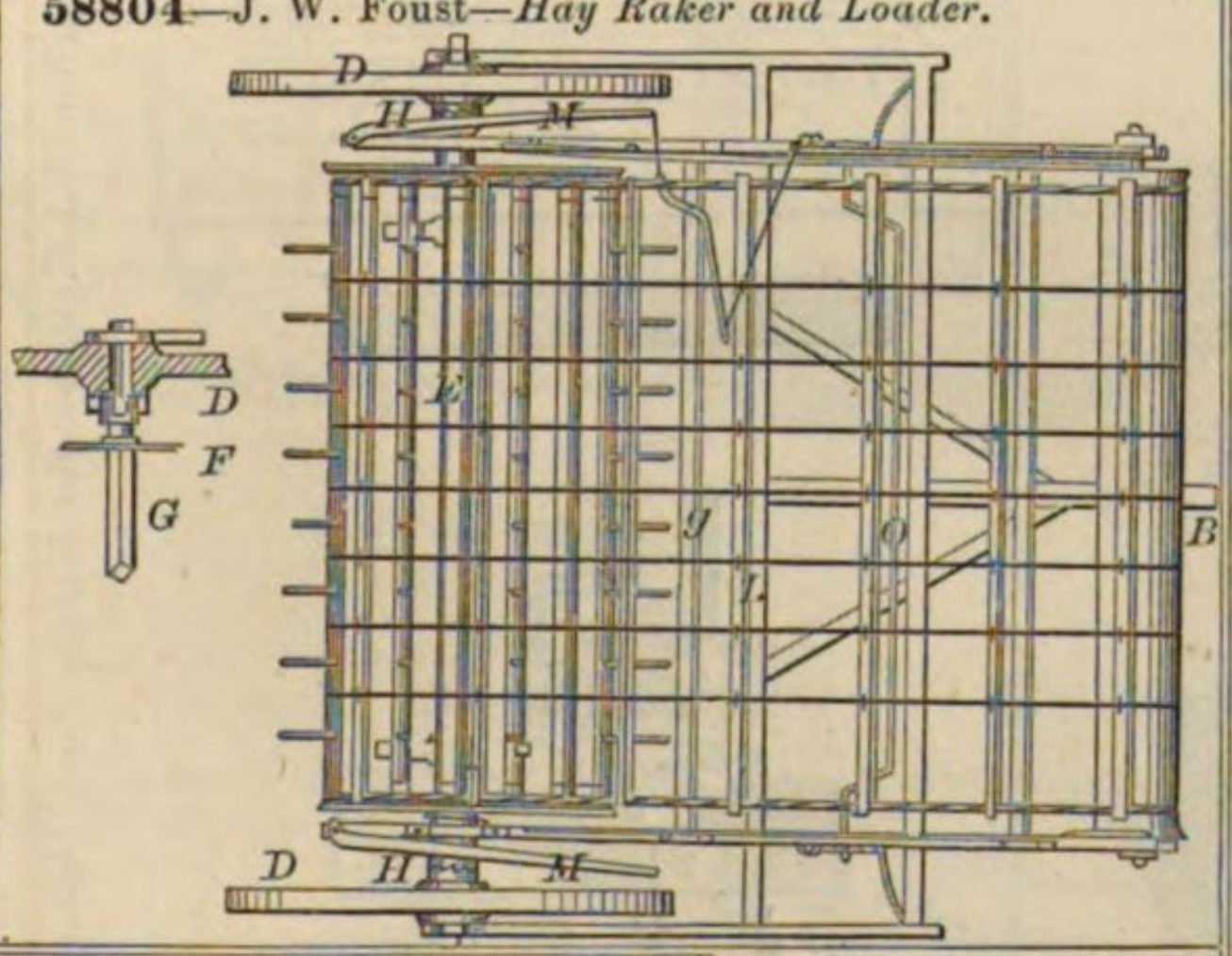
58802—M. Foreman—*Steam Generator.*



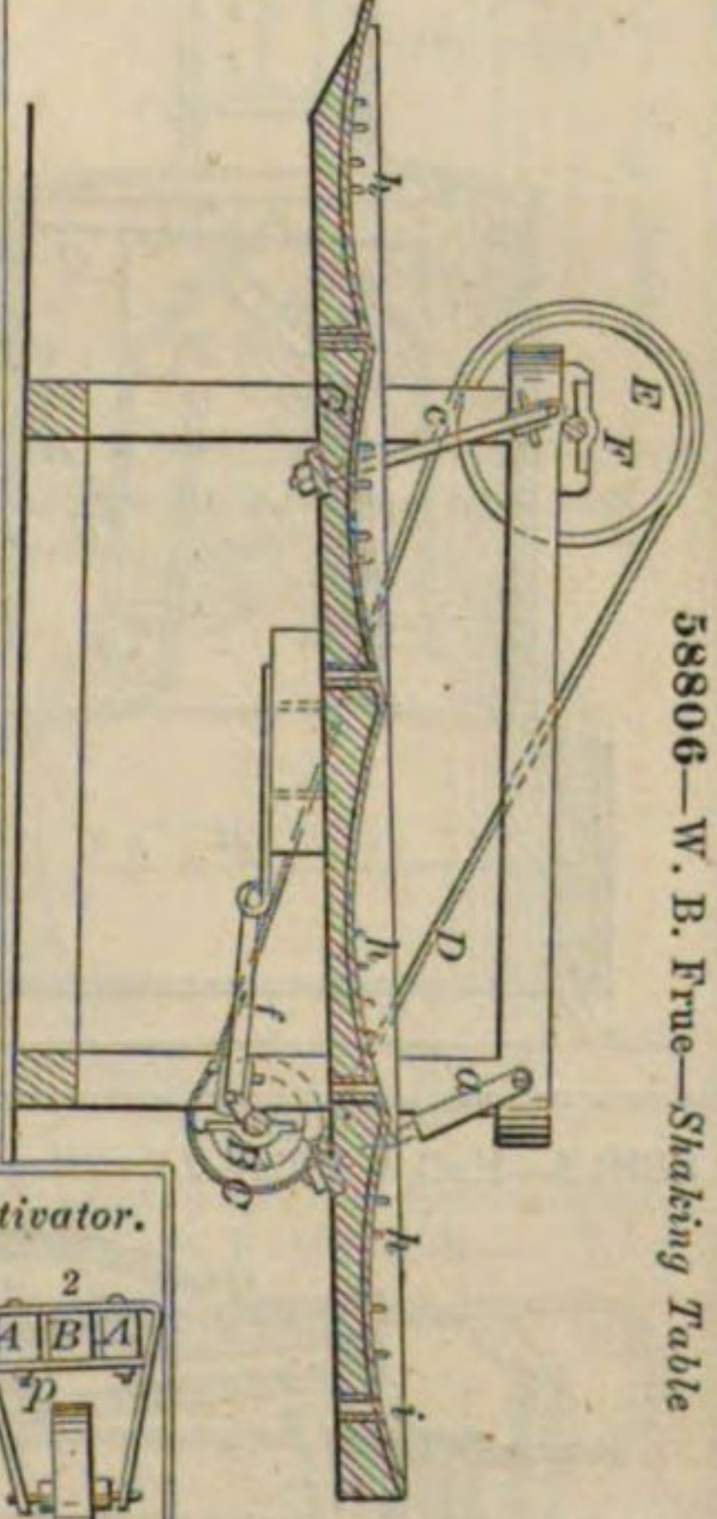
58803—C. Forster—*Oil Well Drill.*



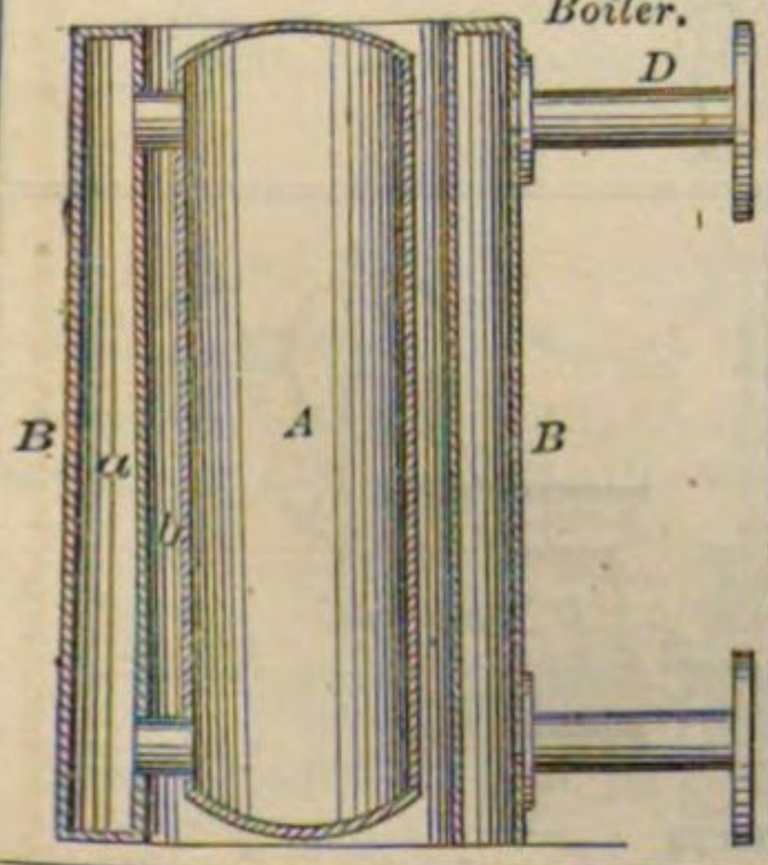
58804—J. W. Foust—*Hay Raker and Loader.*



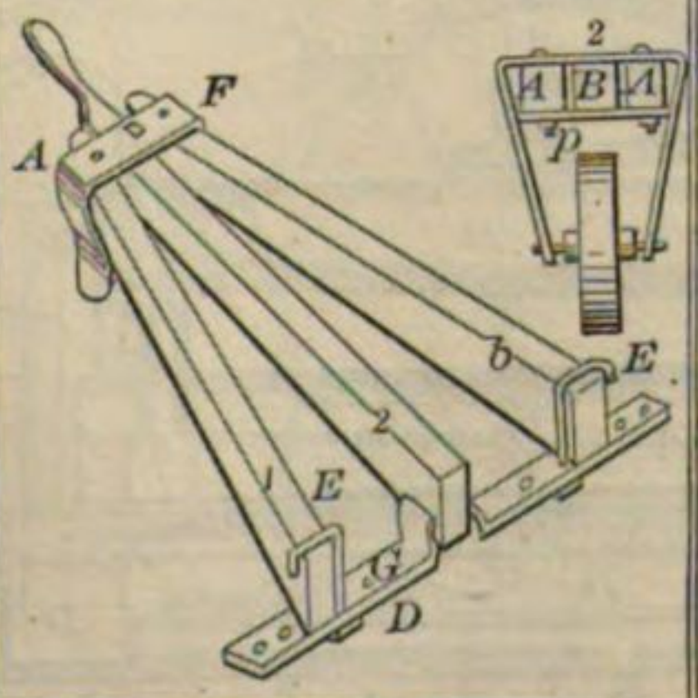
58806—W. B. Frue—*Shaking Table*



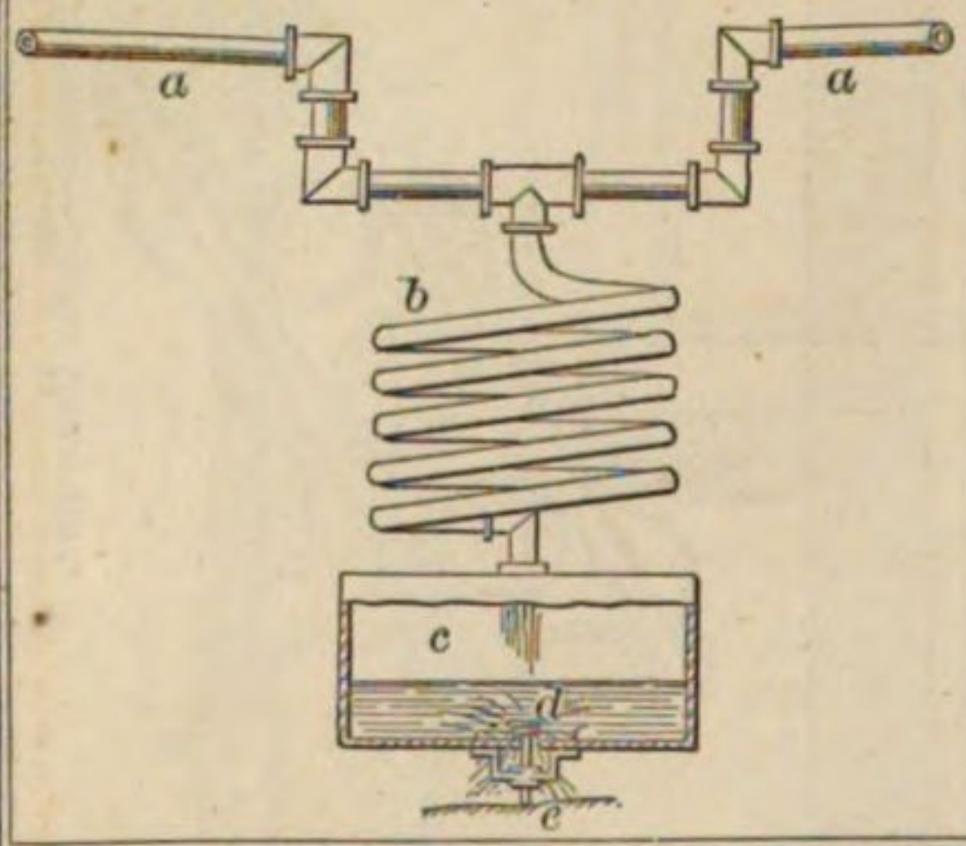
58807—C. Geisse—*Gas Heater Boiler.*



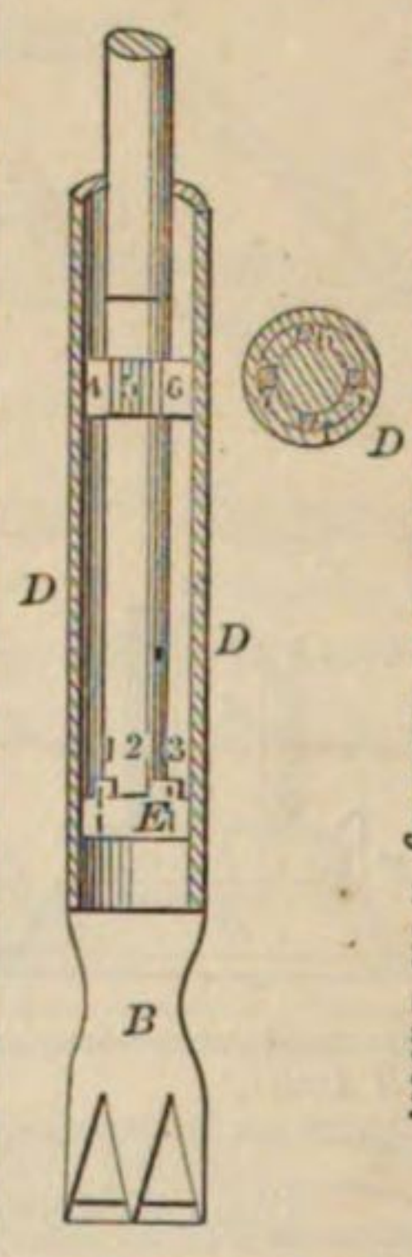
58805—J. Fridy—*Cultivator.*



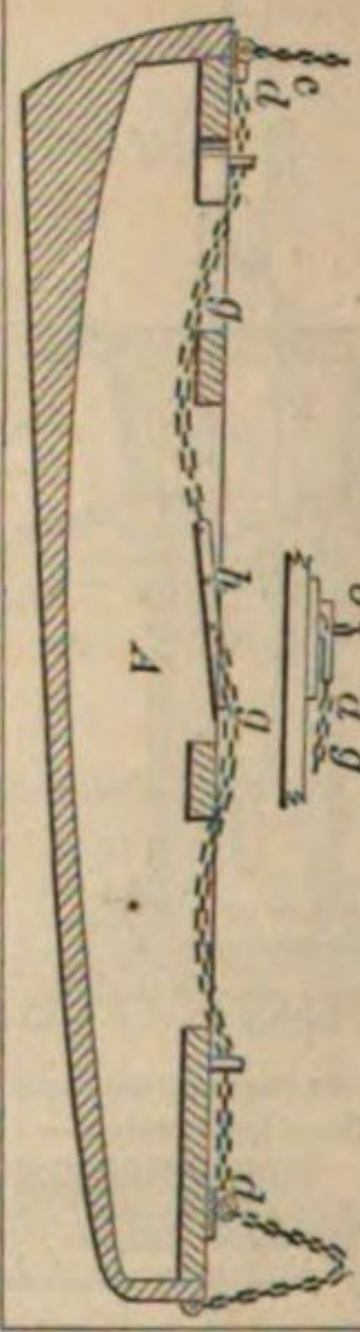
58808—J. E. Gillespie—*Steam Trap.*



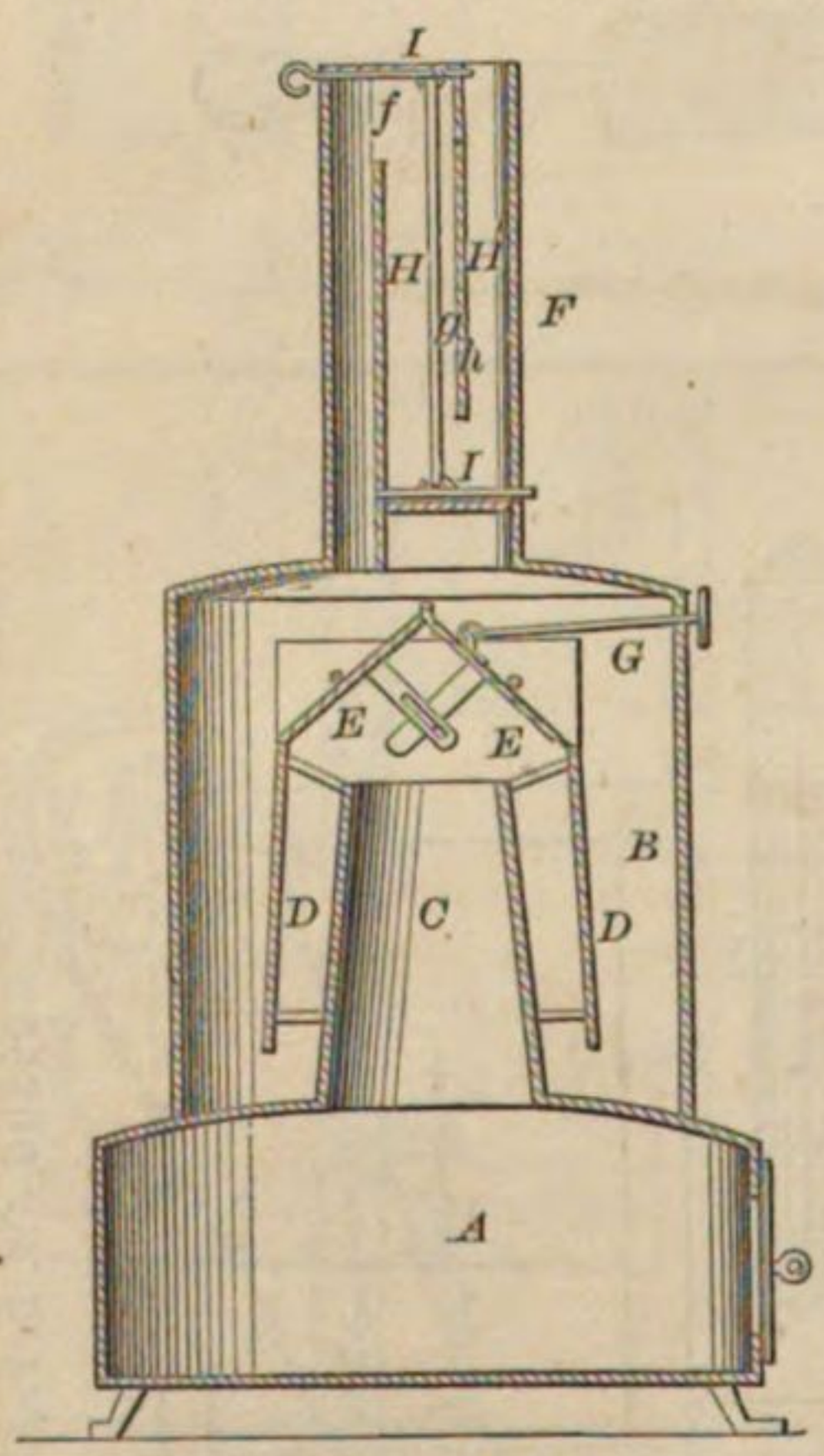
58809—J. & A. W. Gillmore—*For Sinking Well Tubes.*



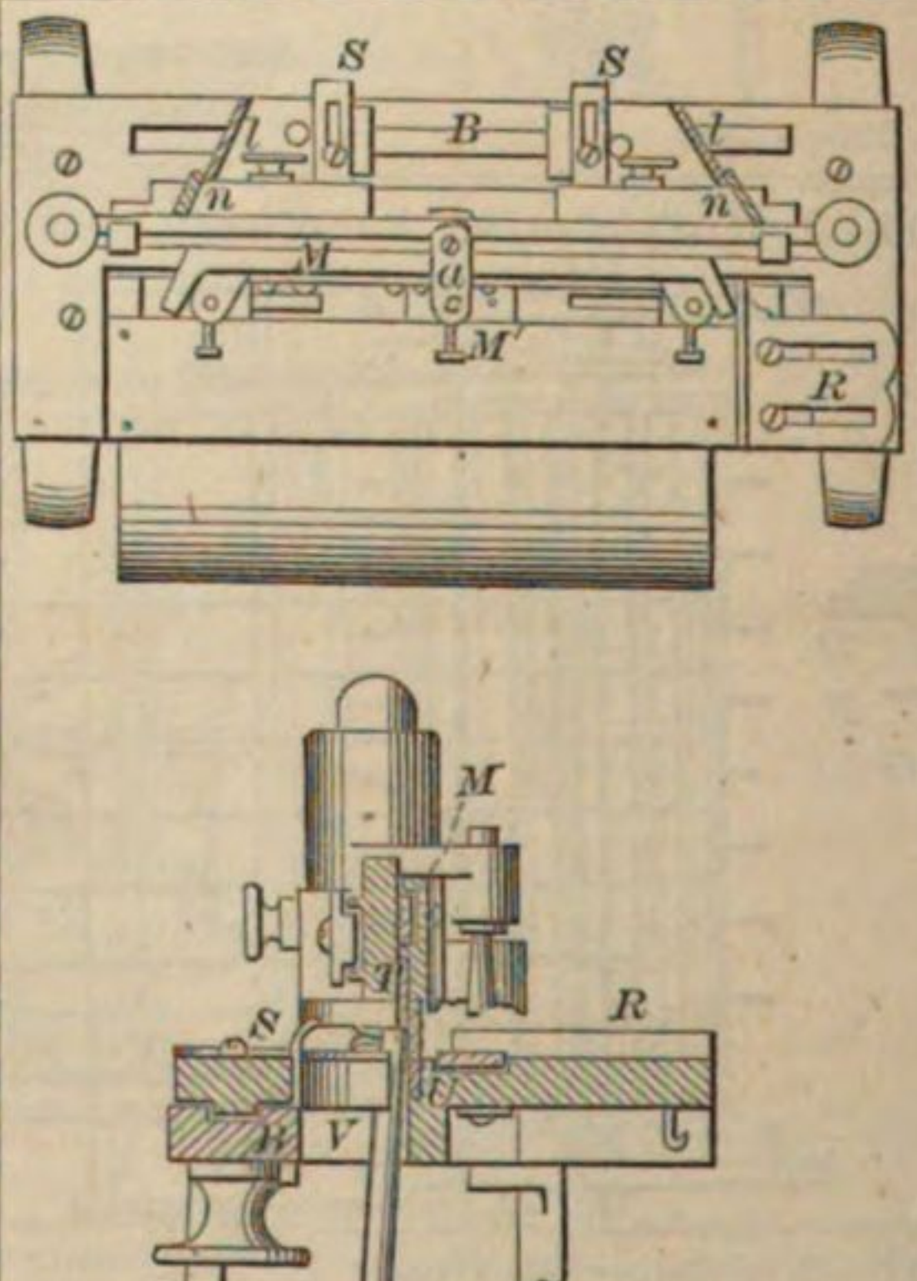
58810—H. Goulding—*For Lowering Boats.*



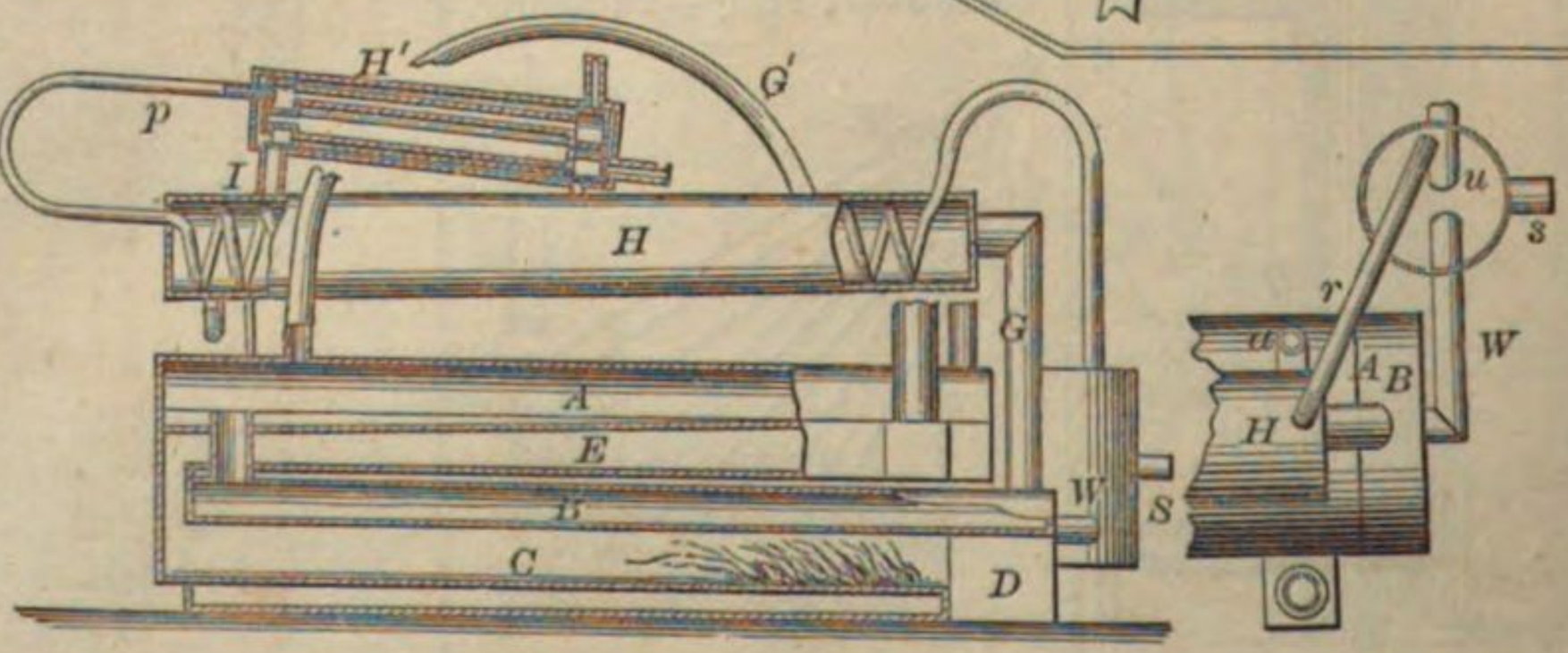
58811—G. D. Greenleaf—*Stove and Drum.*



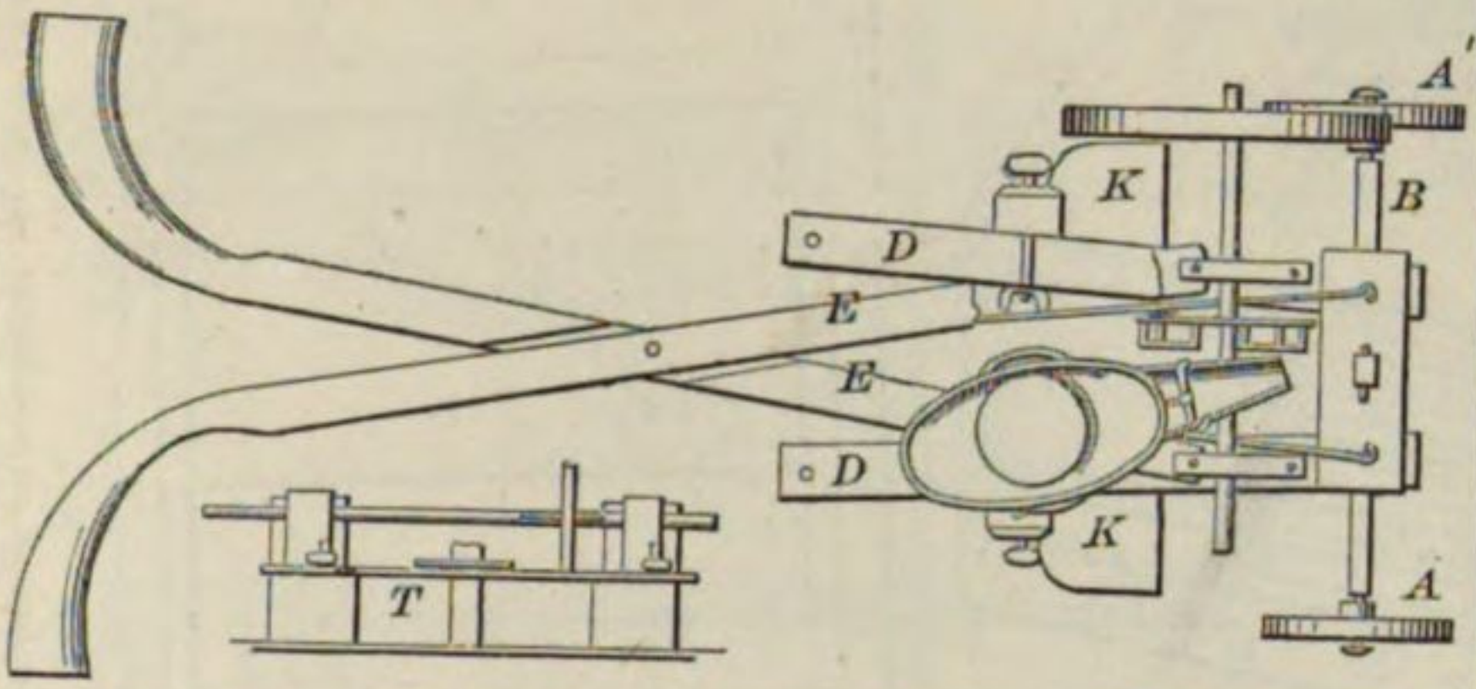
58812—Griswold & Sigwalt—*For Making Paper Collars.*



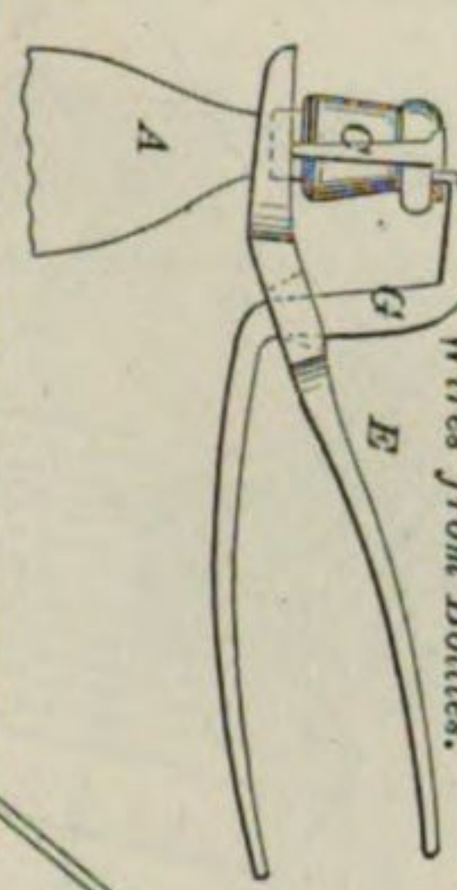
58813—Hall & Ellis—*Distilling Apparatus.*



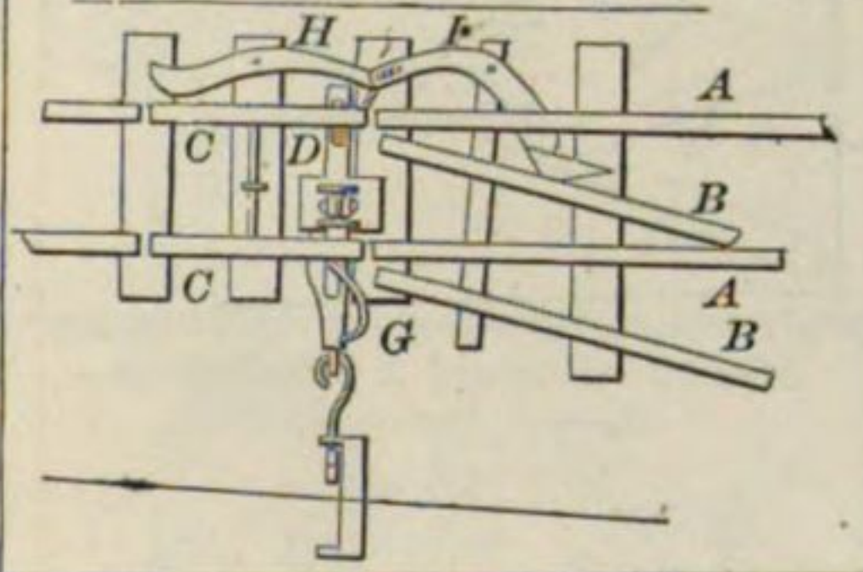
58814—J. A. Hall—*Garden Cultivator.*

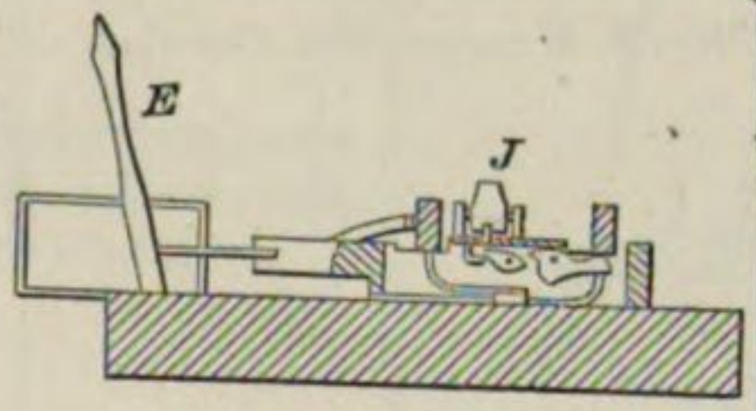


58820—J. S. Hazard—*For Removing Wires from Bottles.*

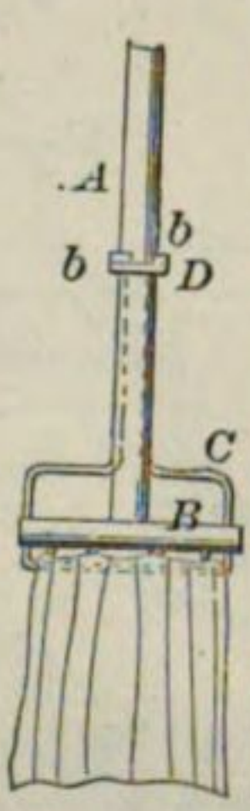


58818—A. Hartman—*Railroad Switch.*

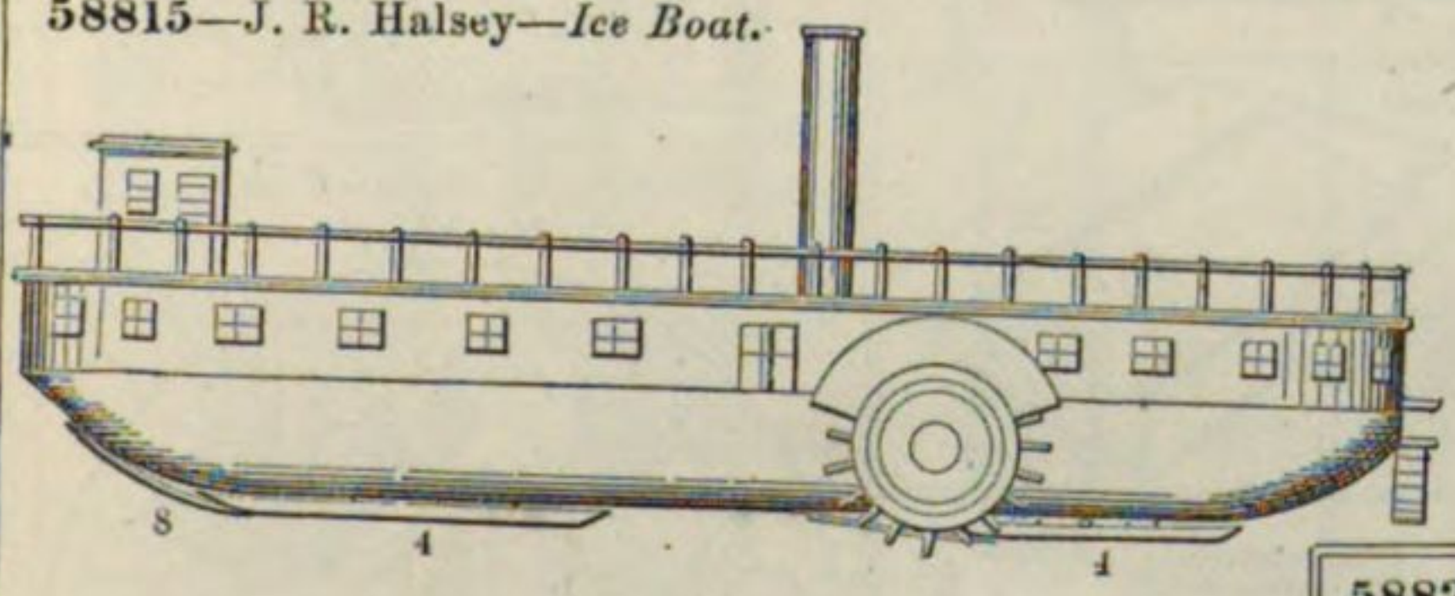


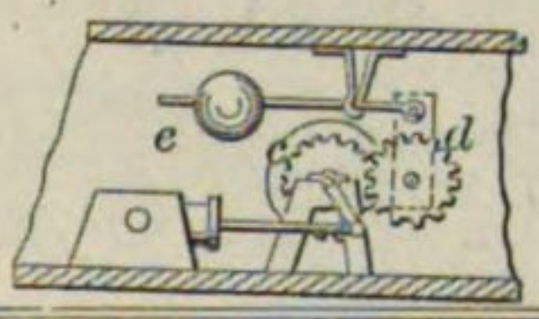


58817—Hardison & Hooper—*Mop Head*

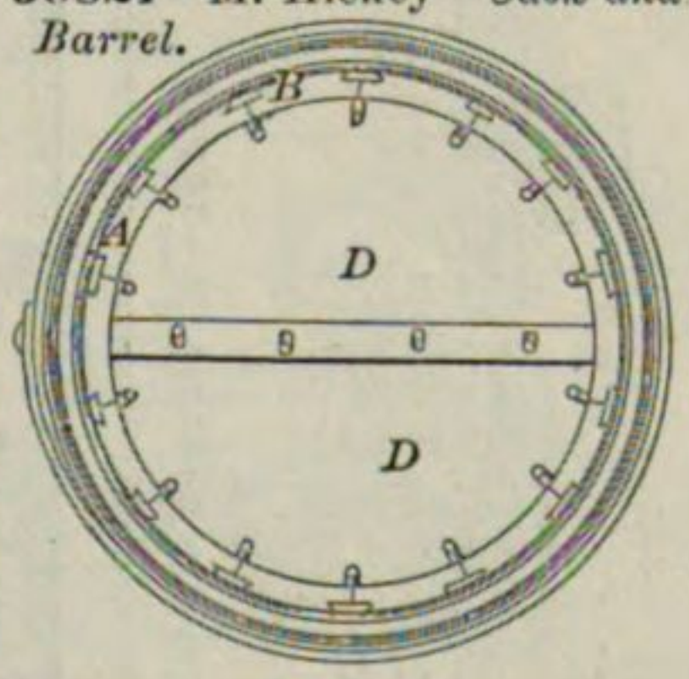


58815—J. R. Halsey—*Ice Boat.*



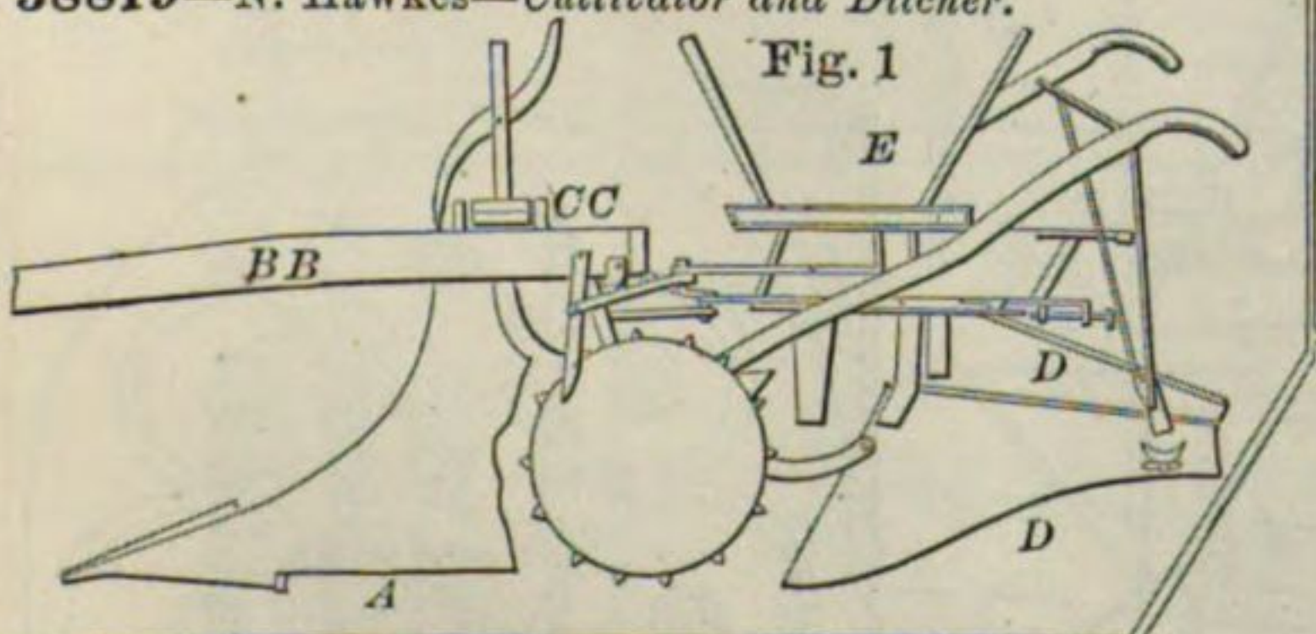


58821—M. Hickey—*Cask and Barrel.*

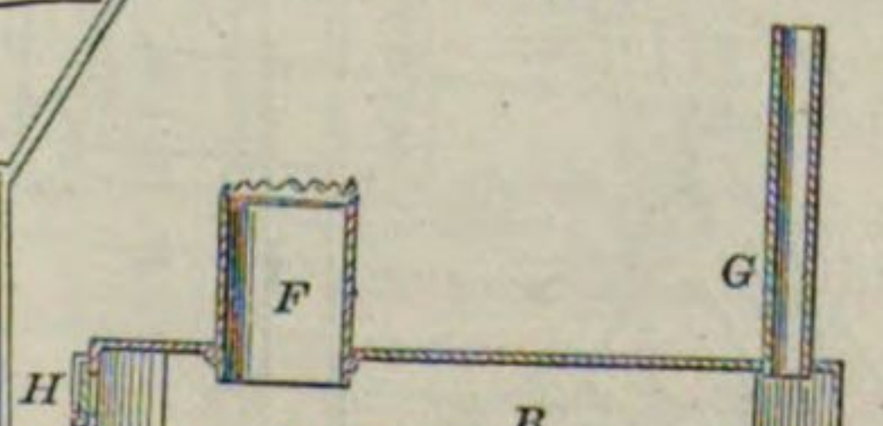


58819—N. Hawkes—*Cultivator and Ditcher.*

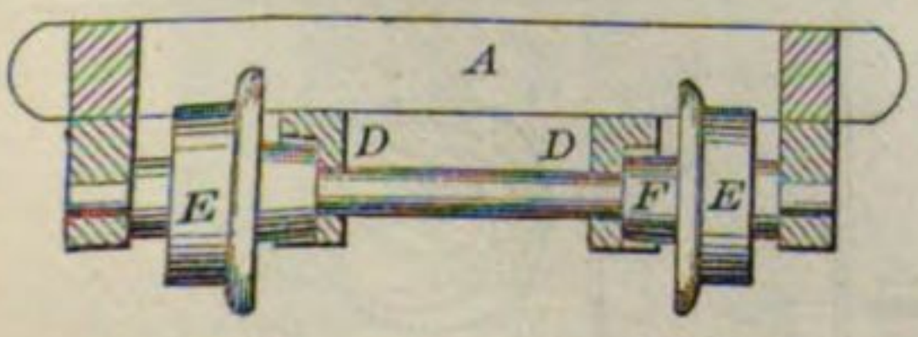
Fig. 1



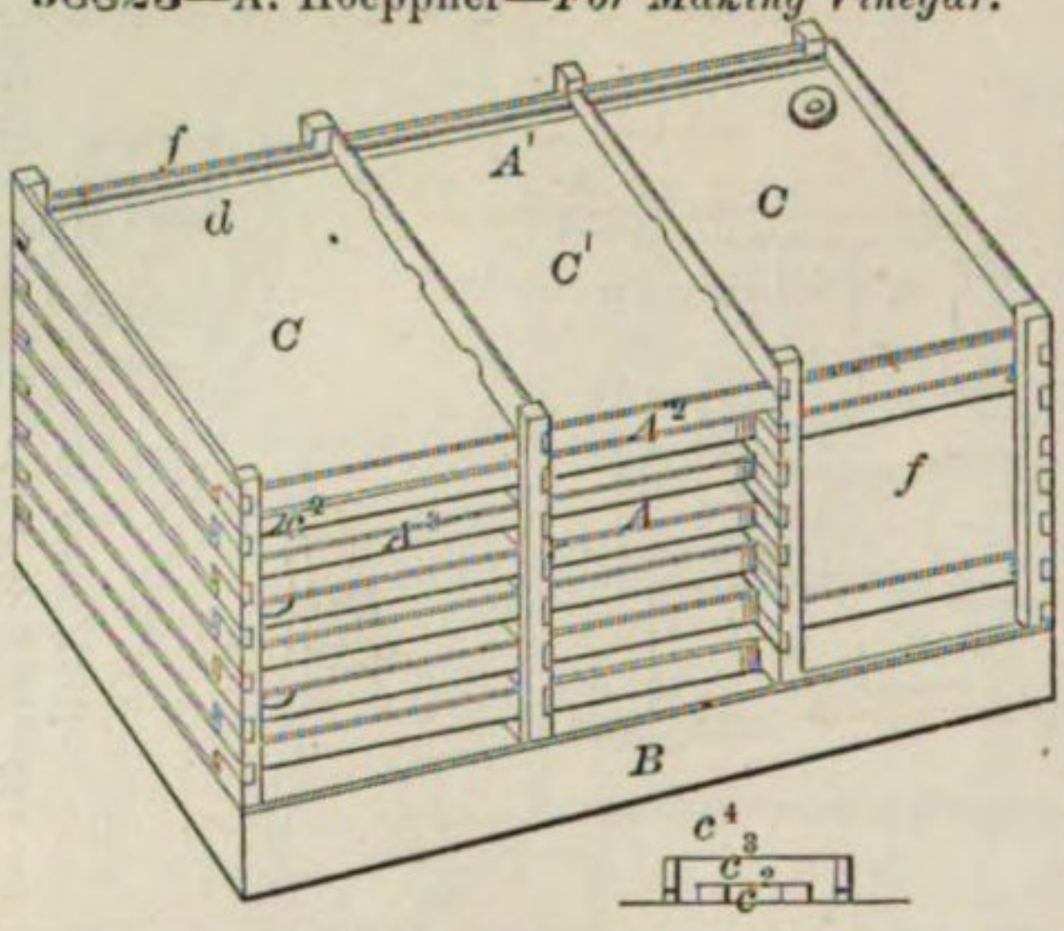
58822—S. P. Hildreth—*Dentists' Lamp Stove.*



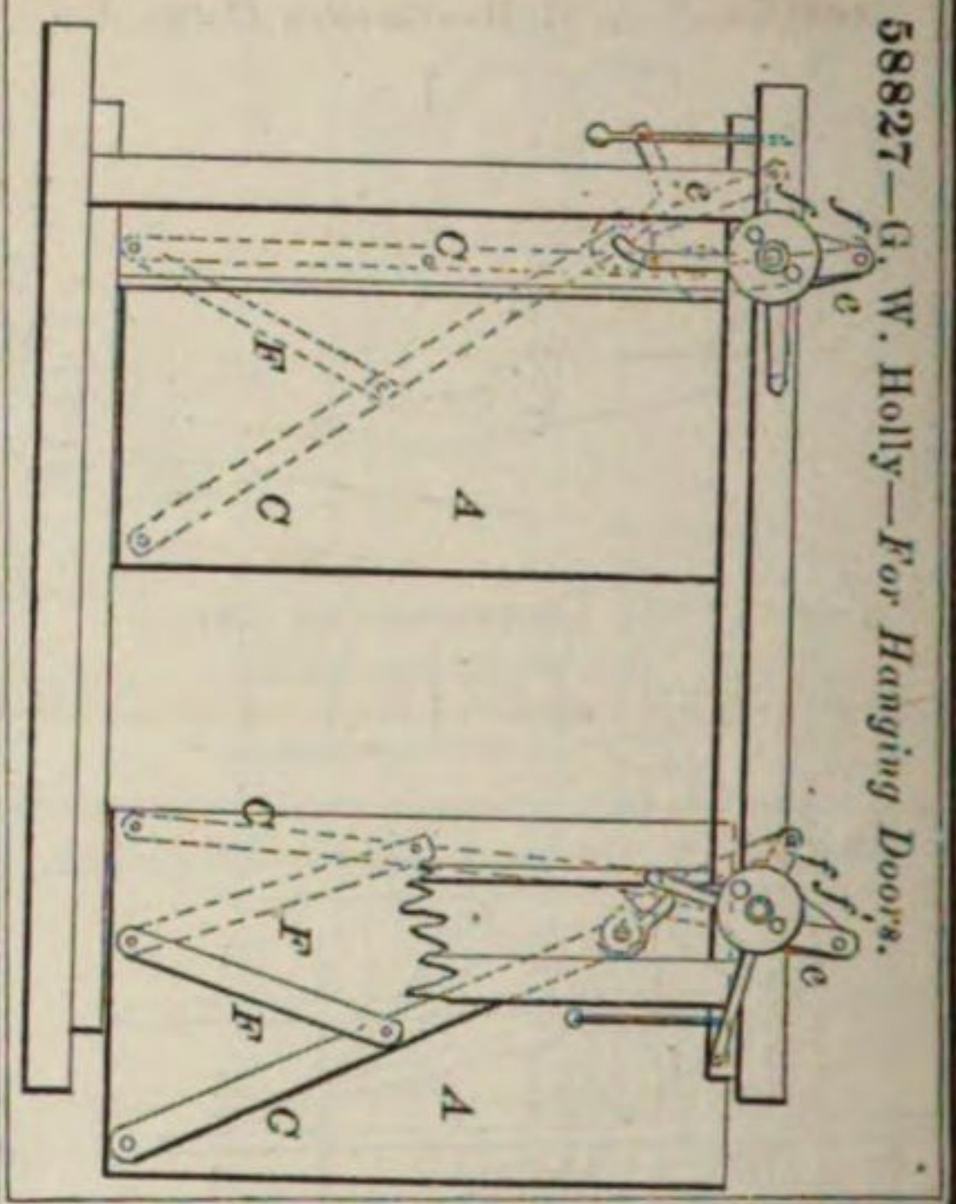
58816—D. J. Happersett—*Car Truck.*



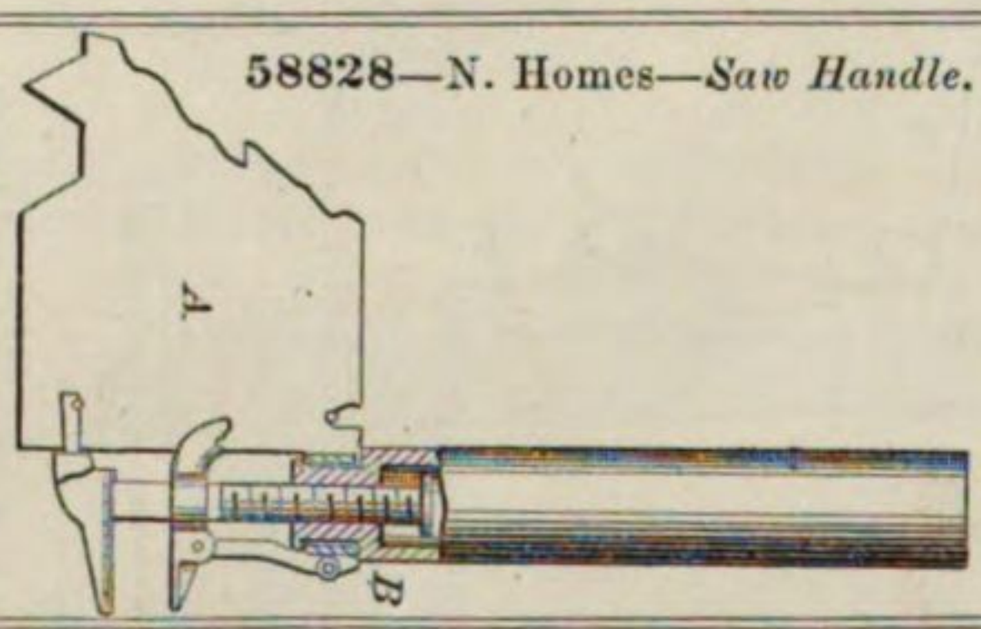
58823—A. Hoeppner—*For Making Vinegar.*



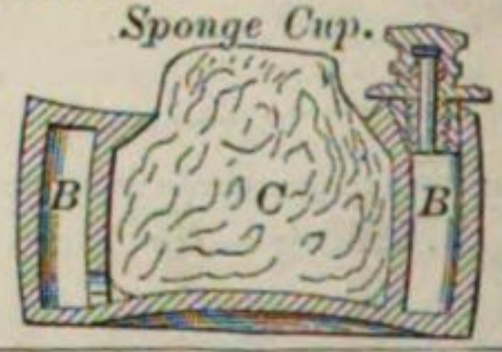
58827—G. W. Holly—*For Hanging Doors.*



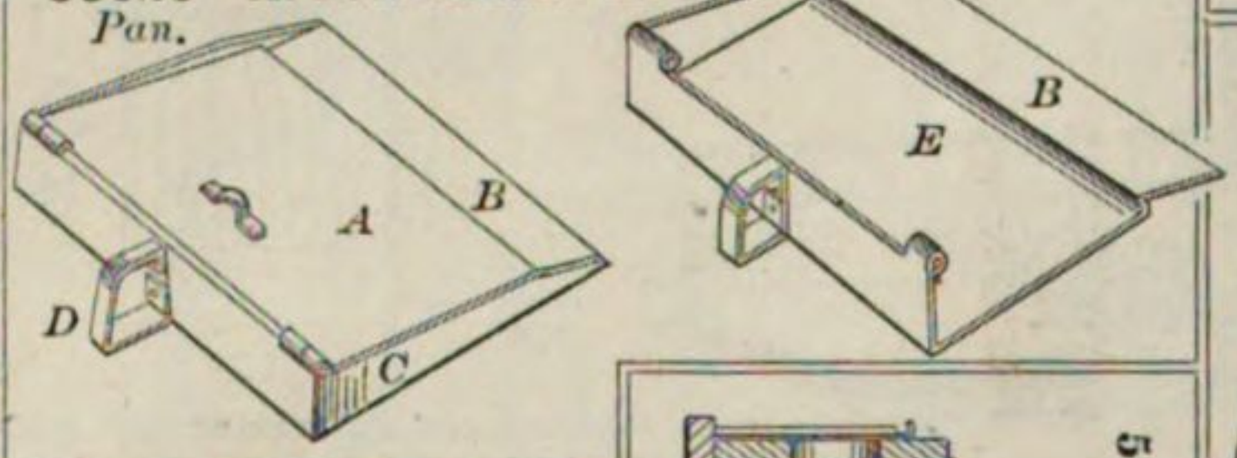
58828—N. Homes—*Saw Handle.*



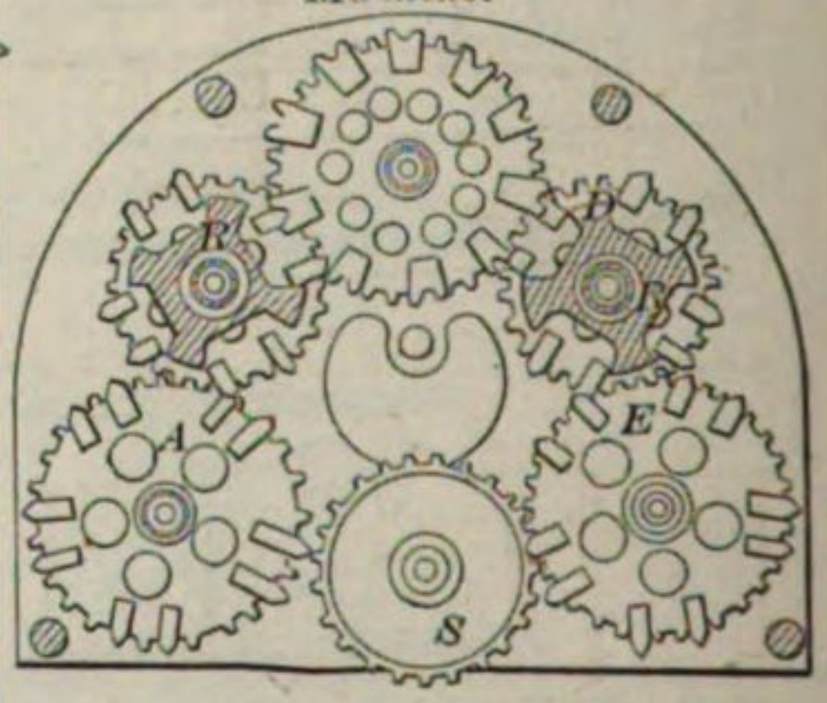
58829—Howard & Manchester—*Sponge Cup.*



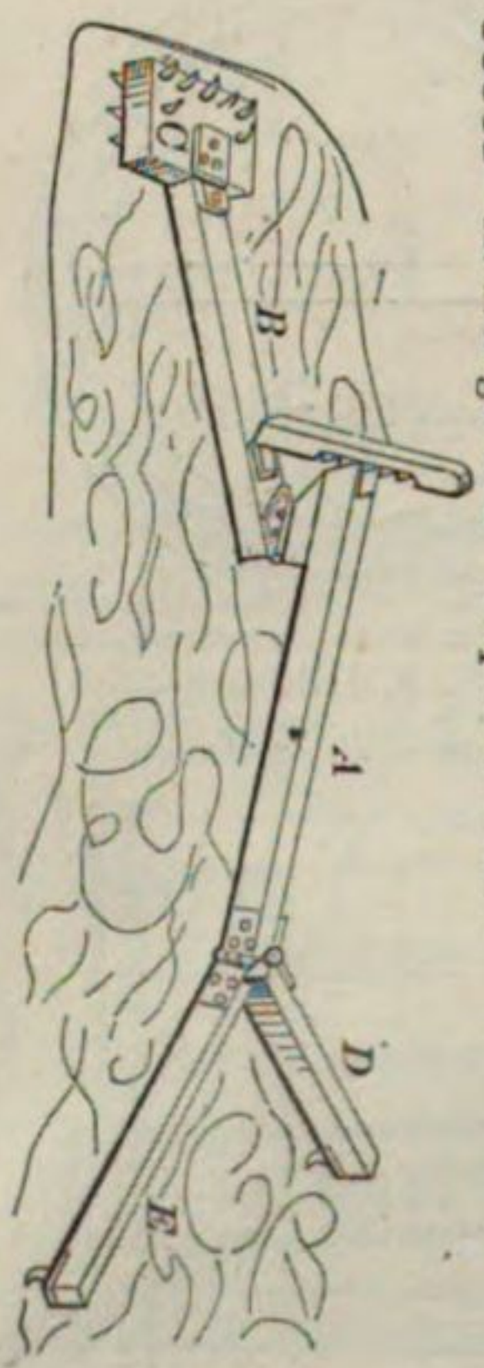
58825—A. B. Hoffman—*Dust Pan.*



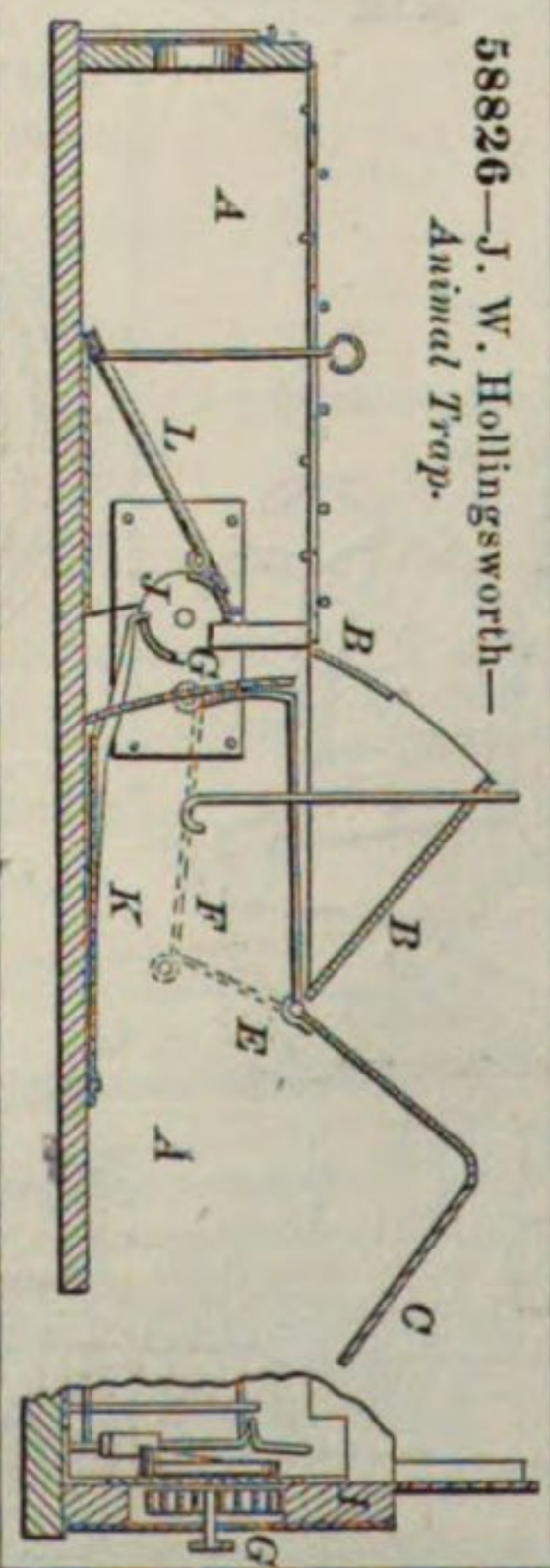
58830—L. Hull—*Braiding Machine.*

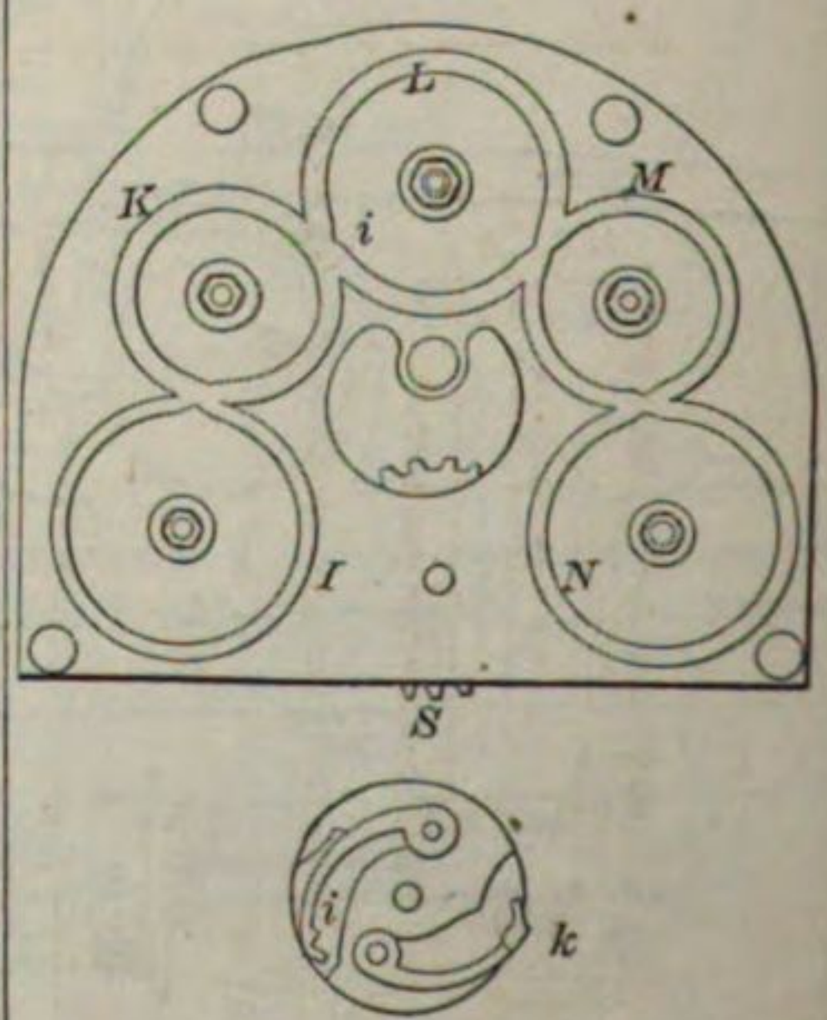


58831—H. Hungerford—*Carpet Stretcher.*

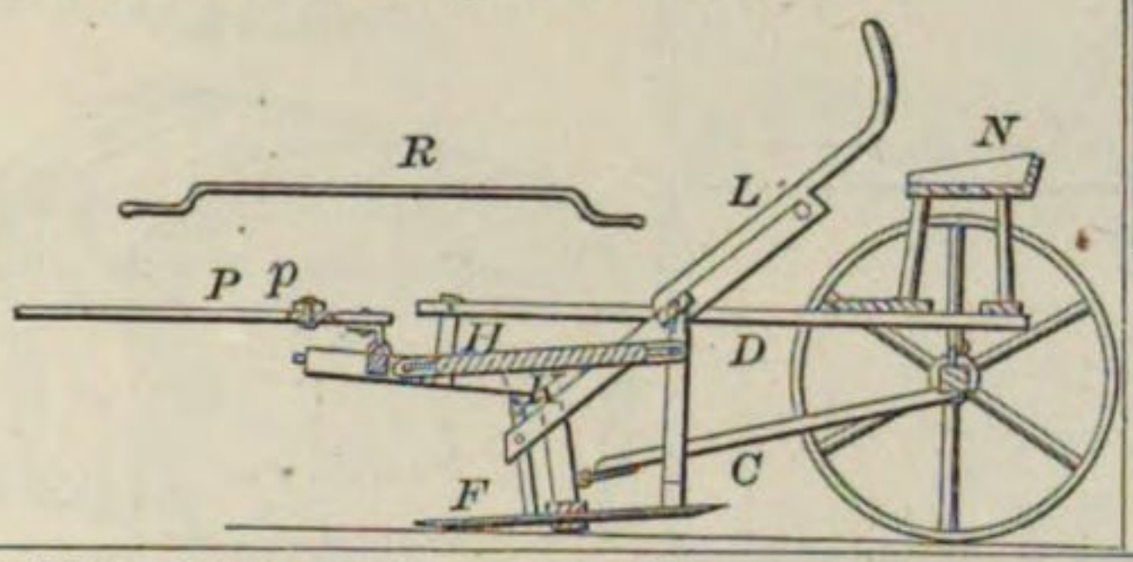


58826—J. W. Hollingsworth—*Animal Trap.*



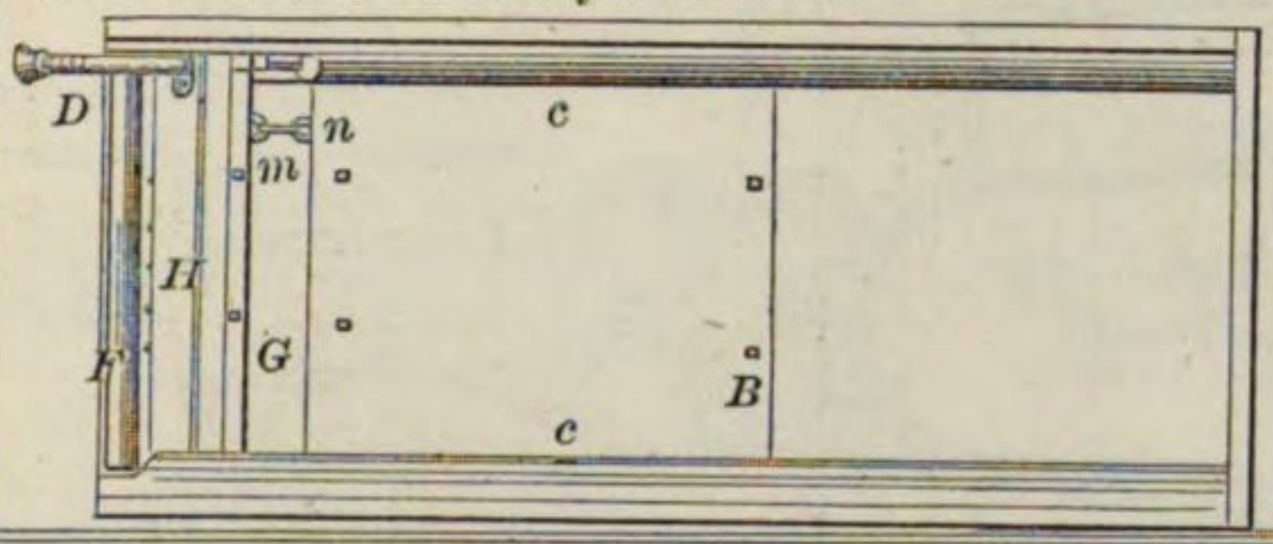


58832—C. S. Huntington—*Horse Rake.*

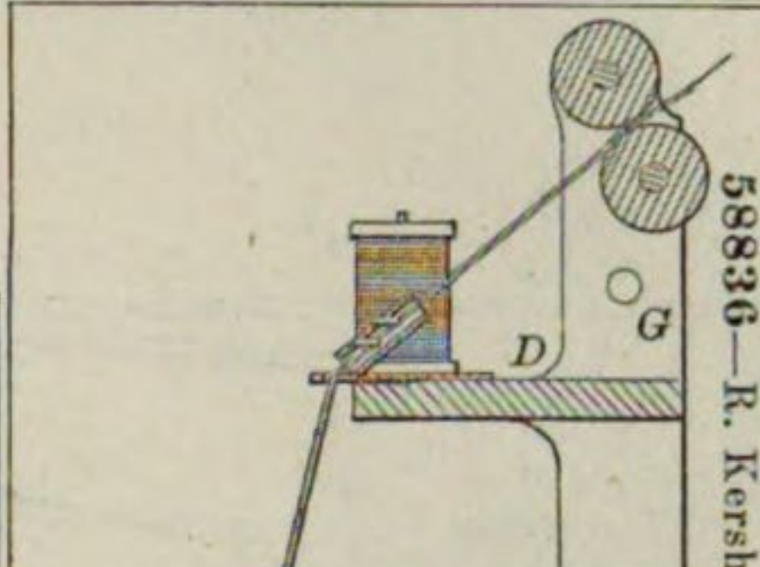


58833—R. N. Isaacs—*Fishing Rod.*

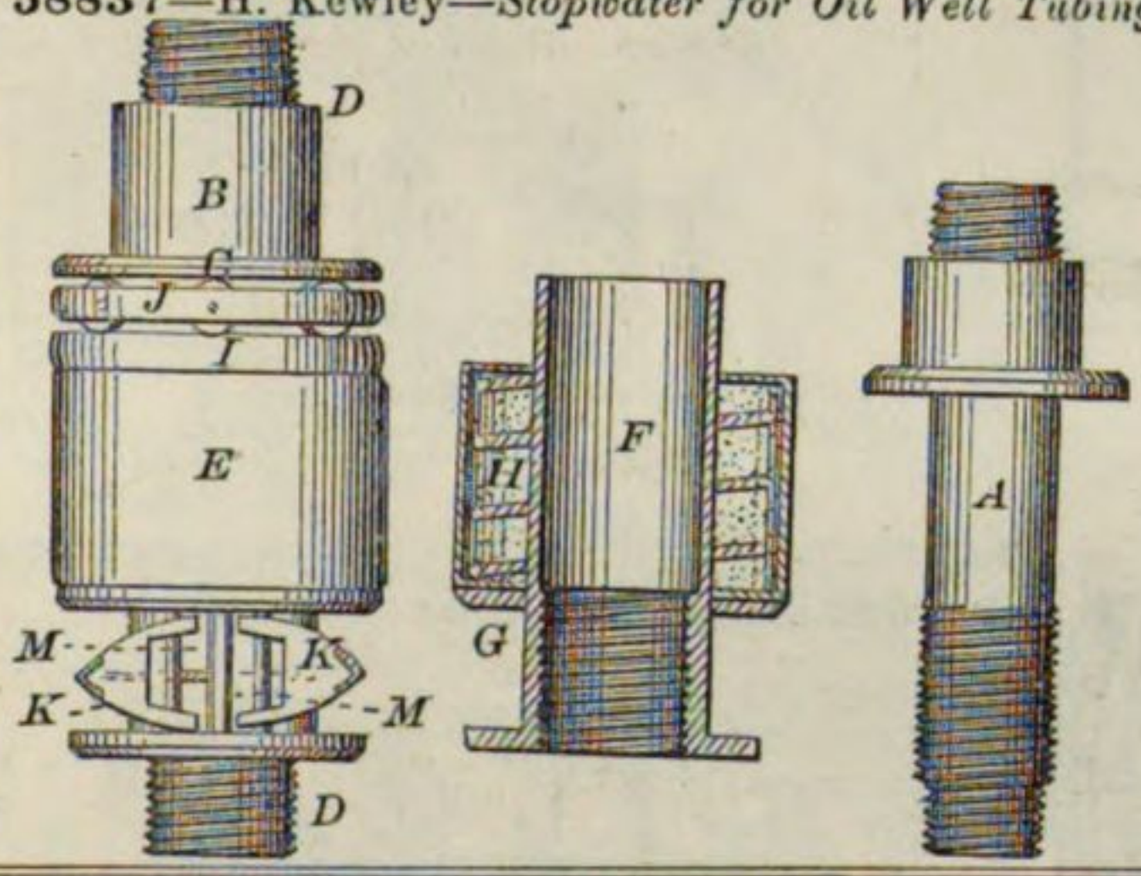
58835—Jincks & Altmeyer—*Hearse.*



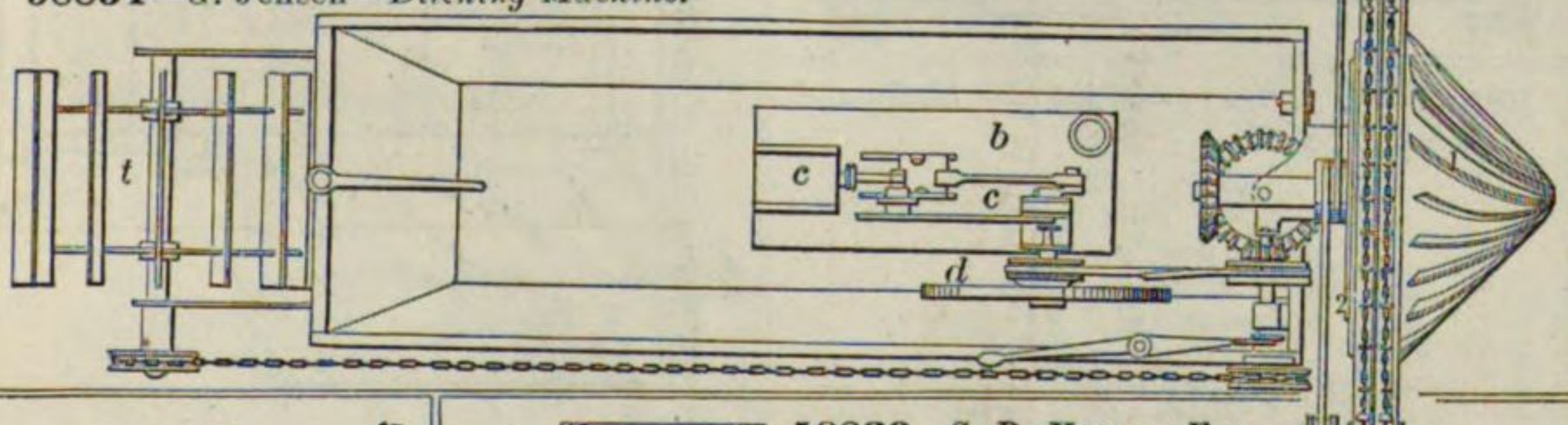
58836—R. Kershaw—*For Producing Variegated Thread.*



58837—H. Kewley—*Stopwater for Oil Well Tubing.*

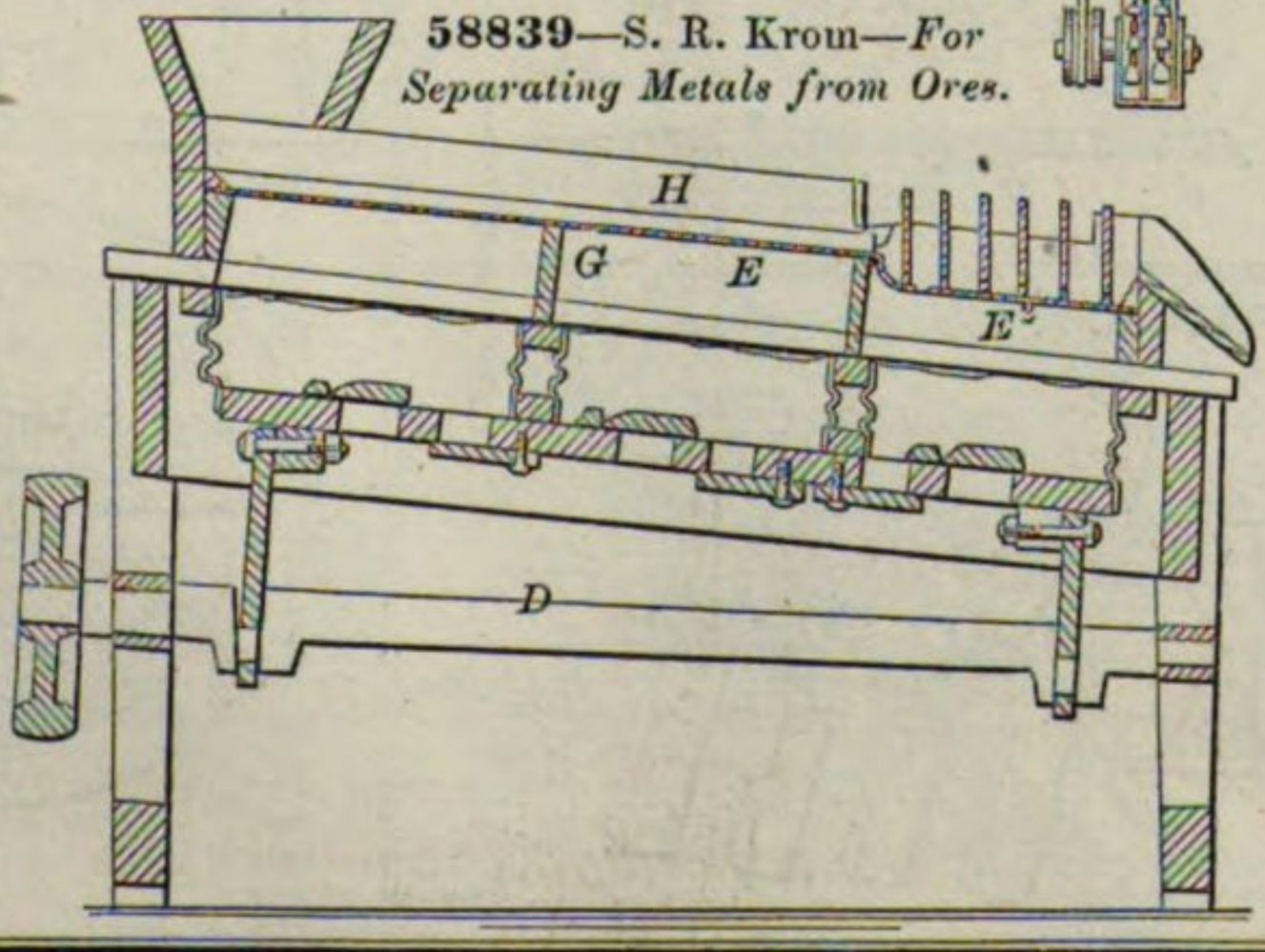


58834—G. Jensen—*Ditching Machine.*

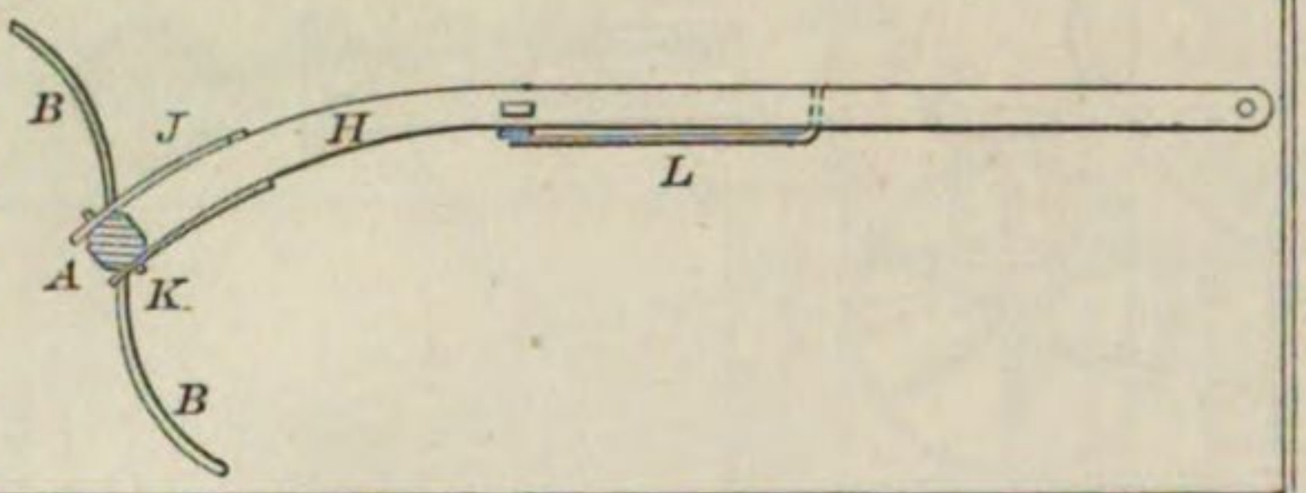


58838—H. Kraut—*Adjustable Measure.*

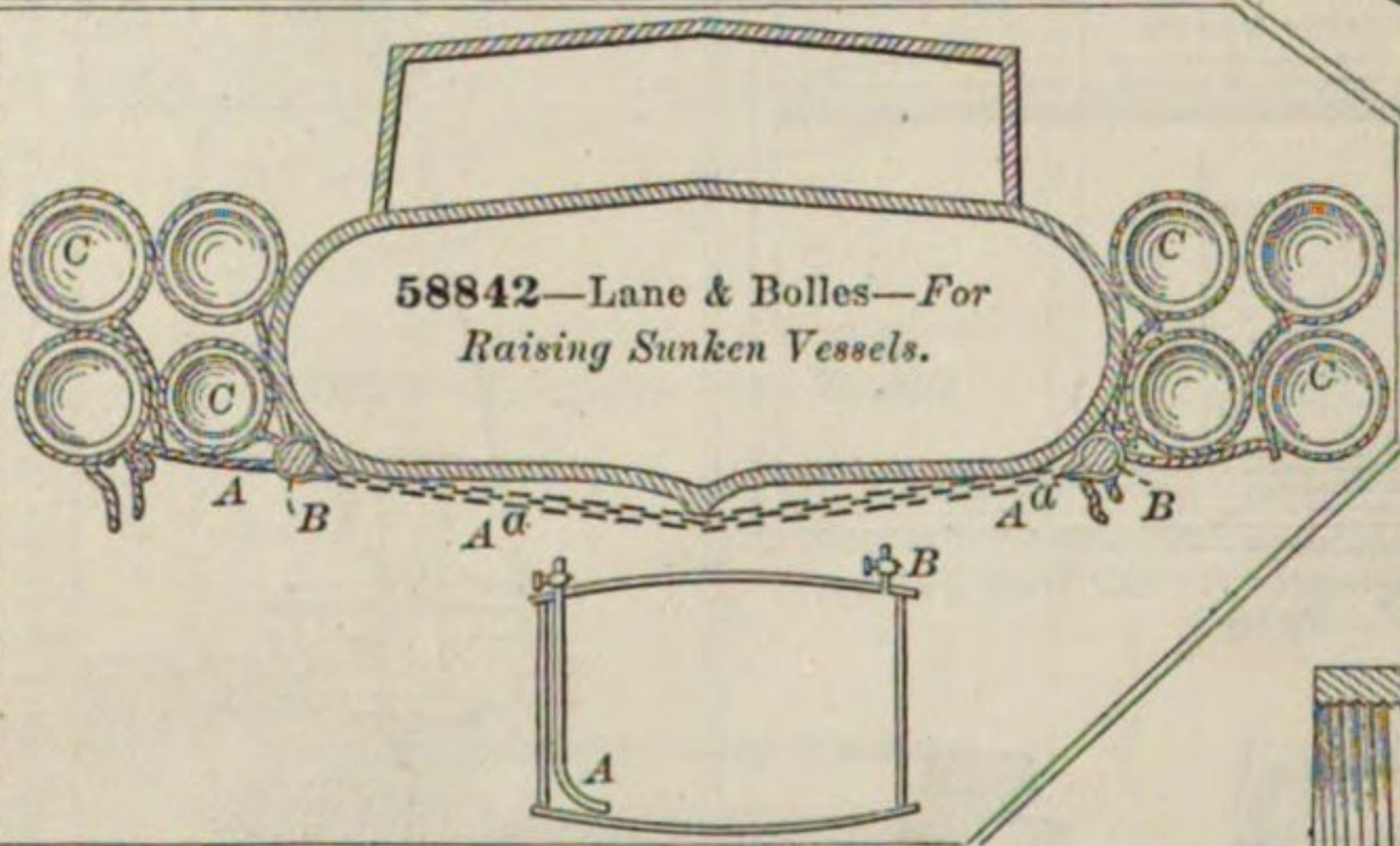
58839—S. R. Krom—*For Separating Metals from Ores.*



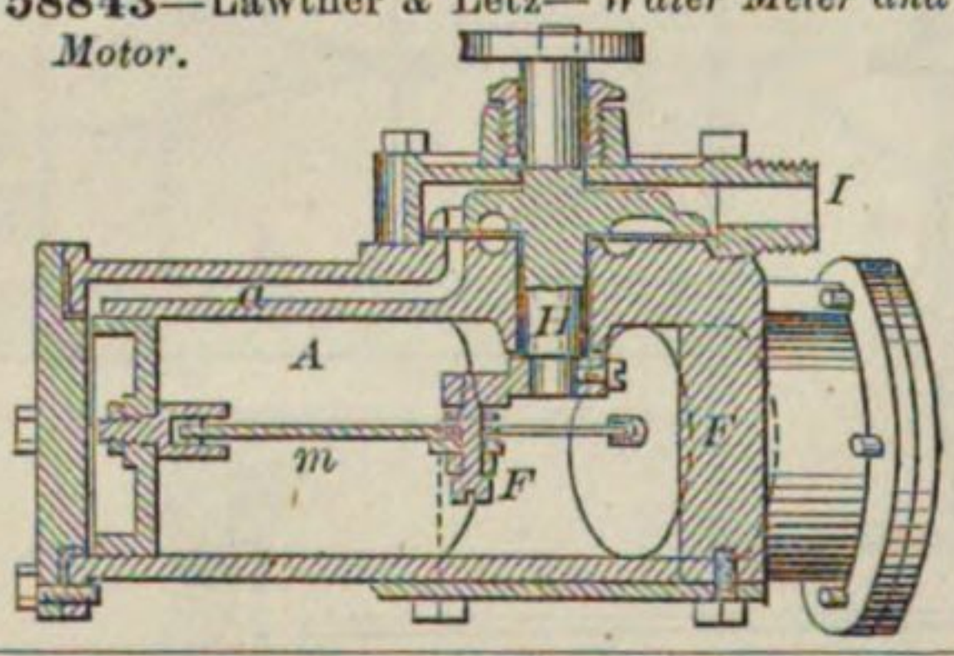
58841—R. G. Lamson—*Hay Rake.*



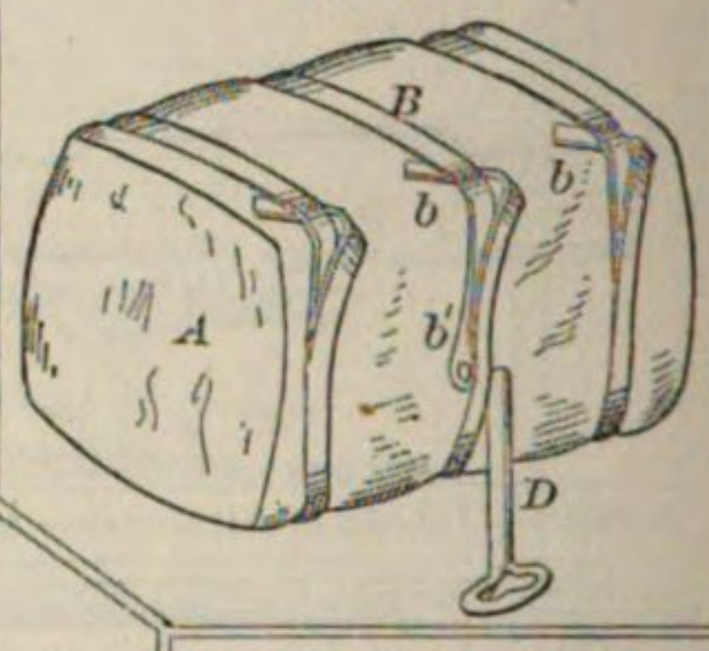
58842—Lane & Bolles—*For Raising Sunken Vessels.*



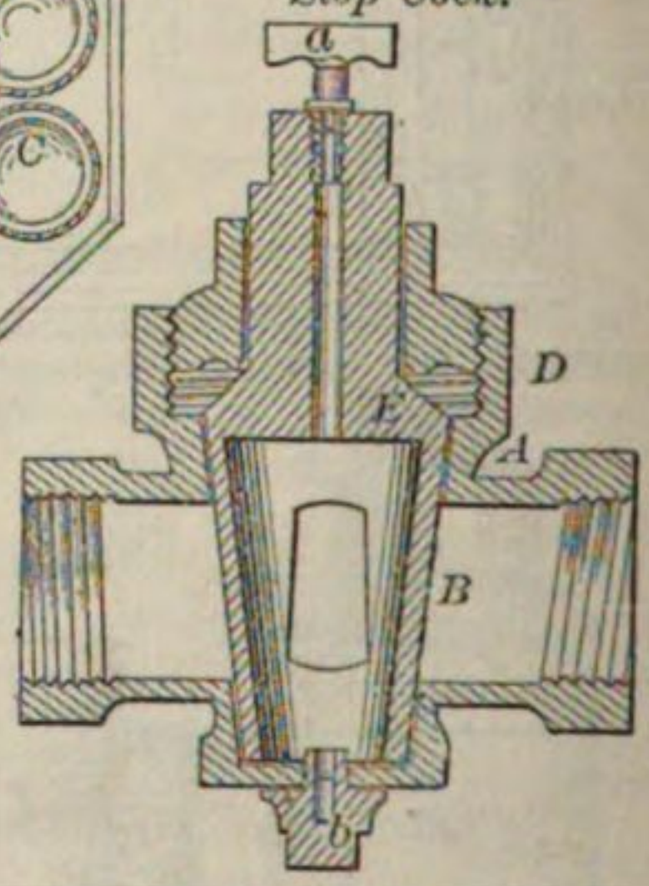
58843—Lawther & Letz—*Water Meter and Motor.*



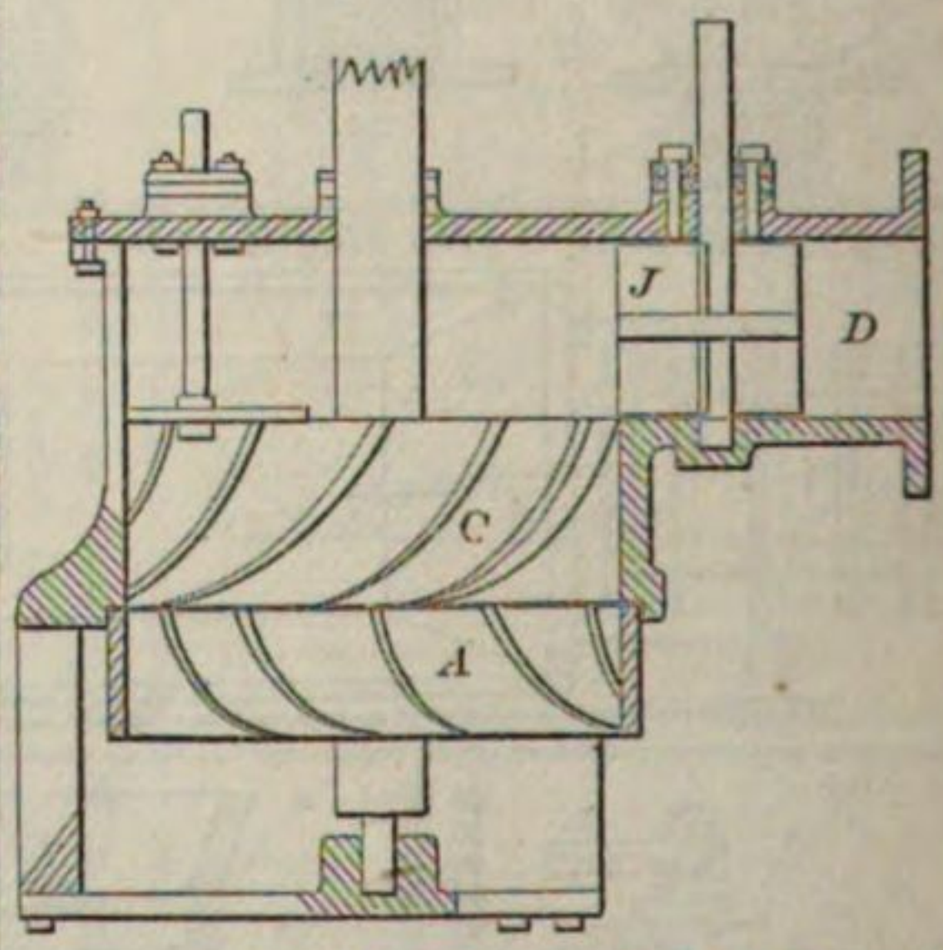
58844—Z. W. Lee—*Cotton Bale Tie.*



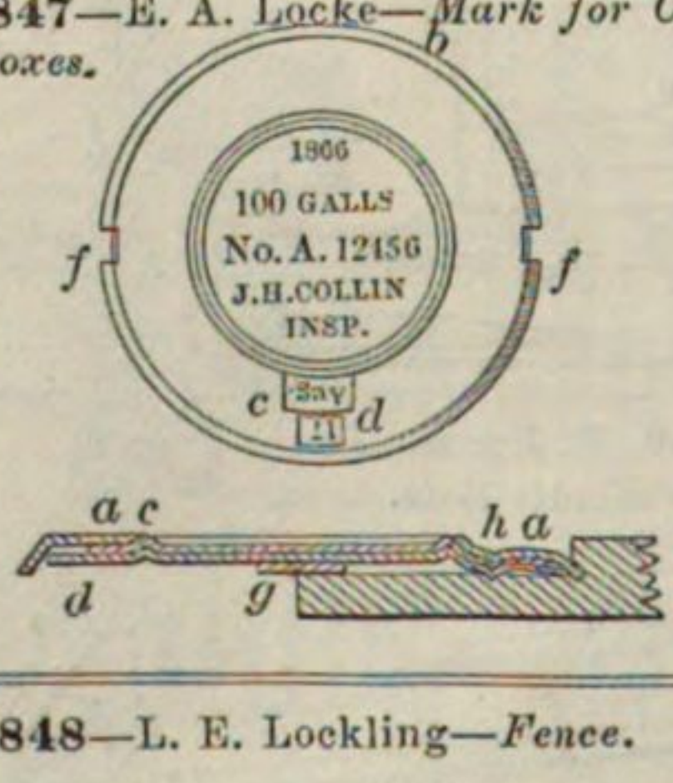
58845—B. E. Lehman—*Stop Cock.*



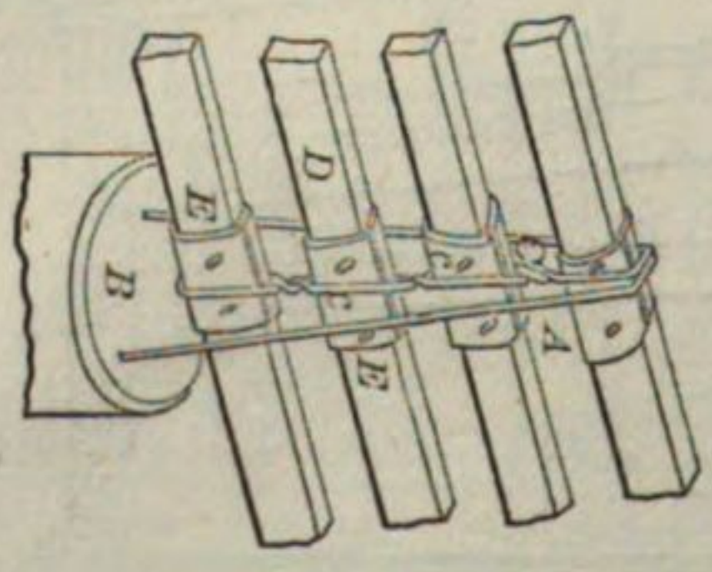
58846—A. Lind—*Water Wheel.*

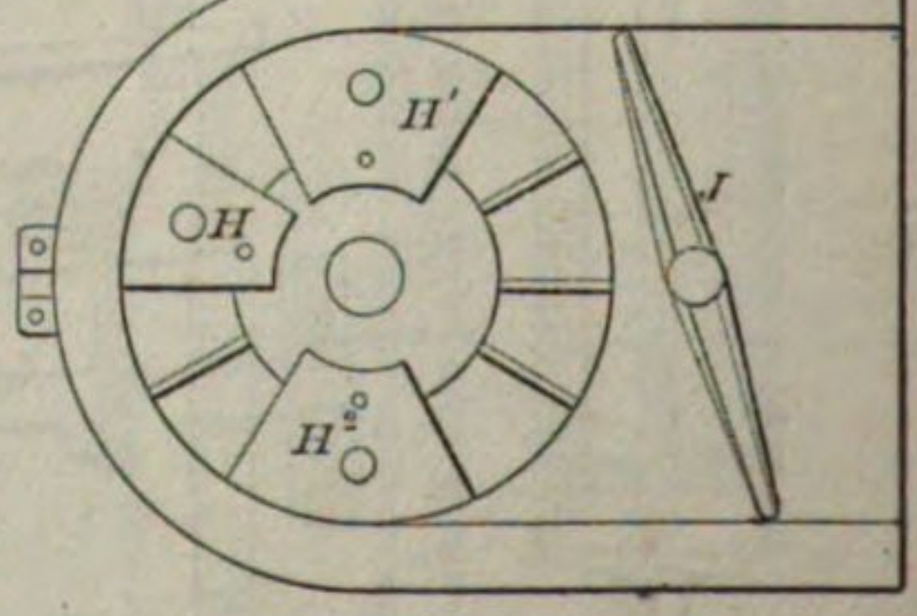


58847—E. A. Locke—*Mark for Casks and Boxes.*

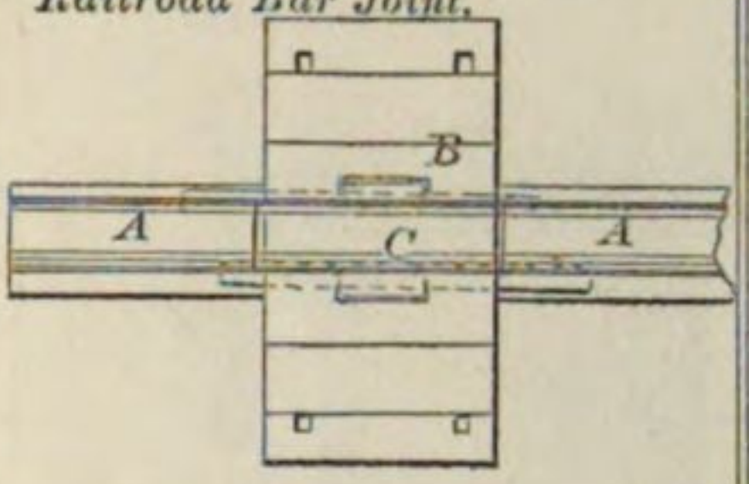


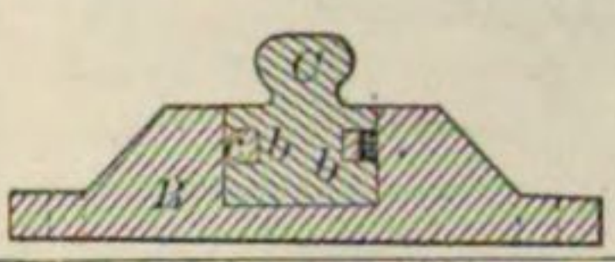
58848—L. E. Lockling—*Fence.*



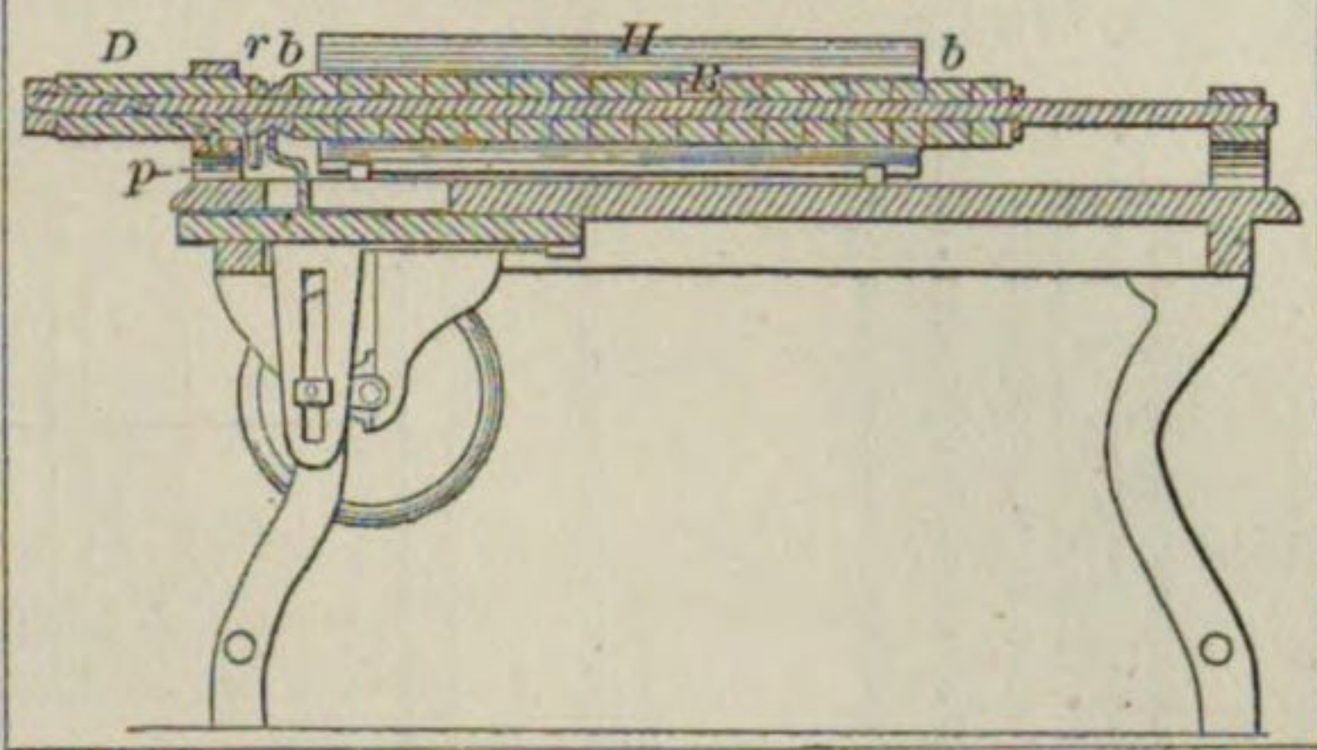


58849—S. M. Longley—*Railroad Bar Joint.*





58852—J. W. Maloy—*Marble Polishing Machine.*



58850—S. H. Loring—*Hose Coupling.*

Fig. 2 Fig. 9 Fig. 8

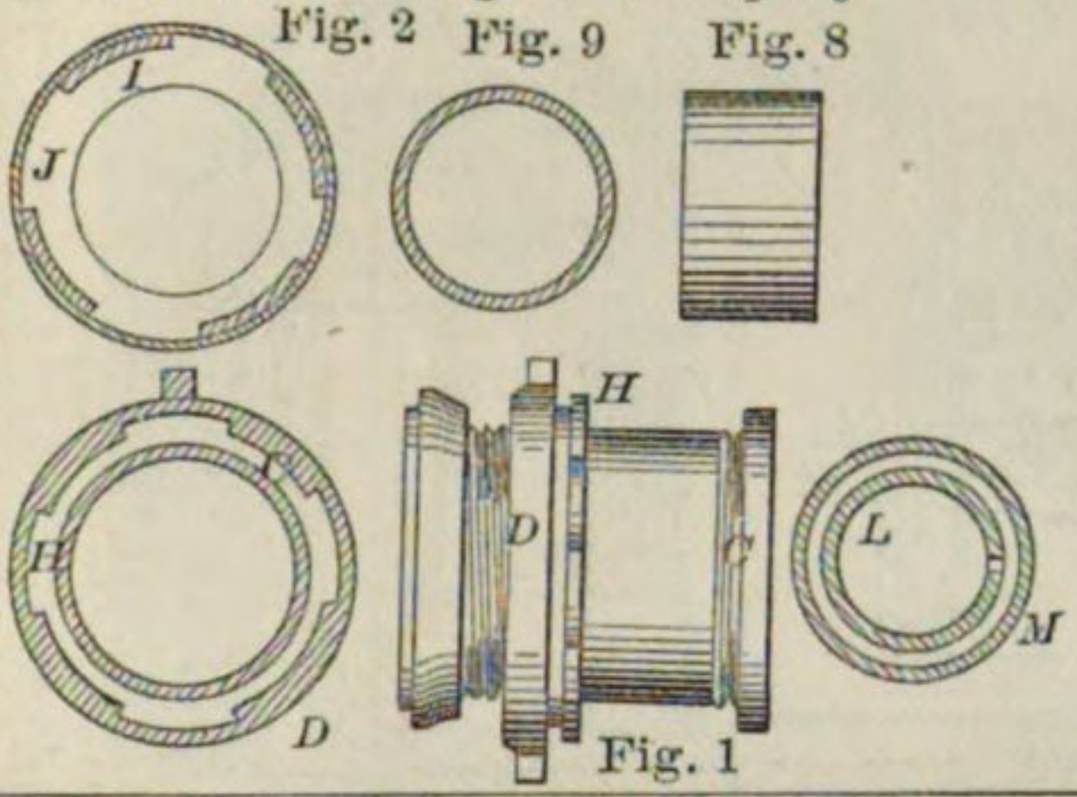
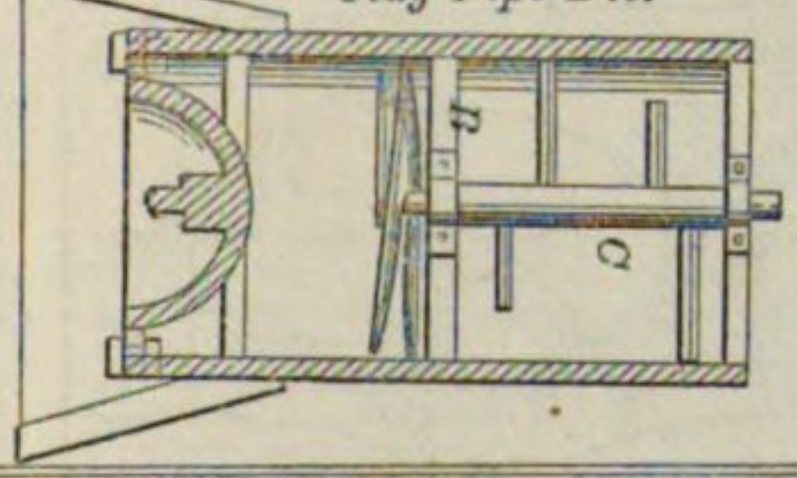
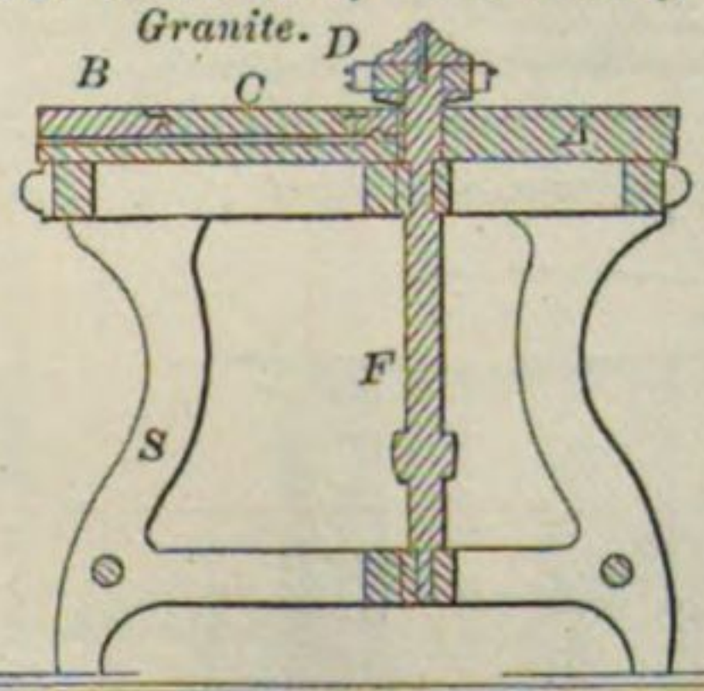


Fig. 1

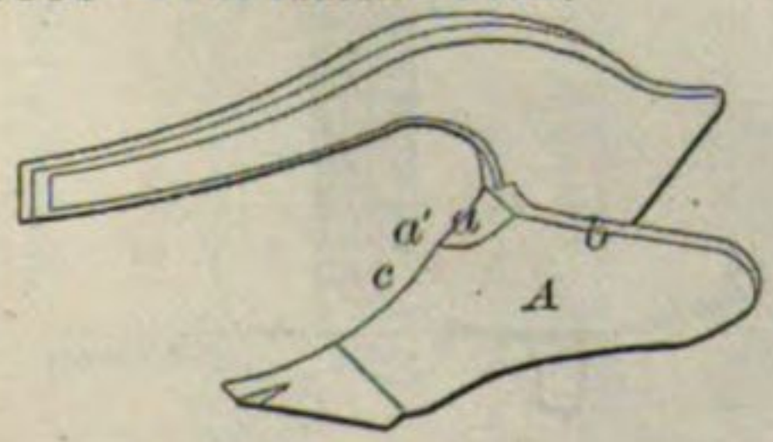
58851—G. D. & H. A. Goodrich—*Clay Pipe Die.*



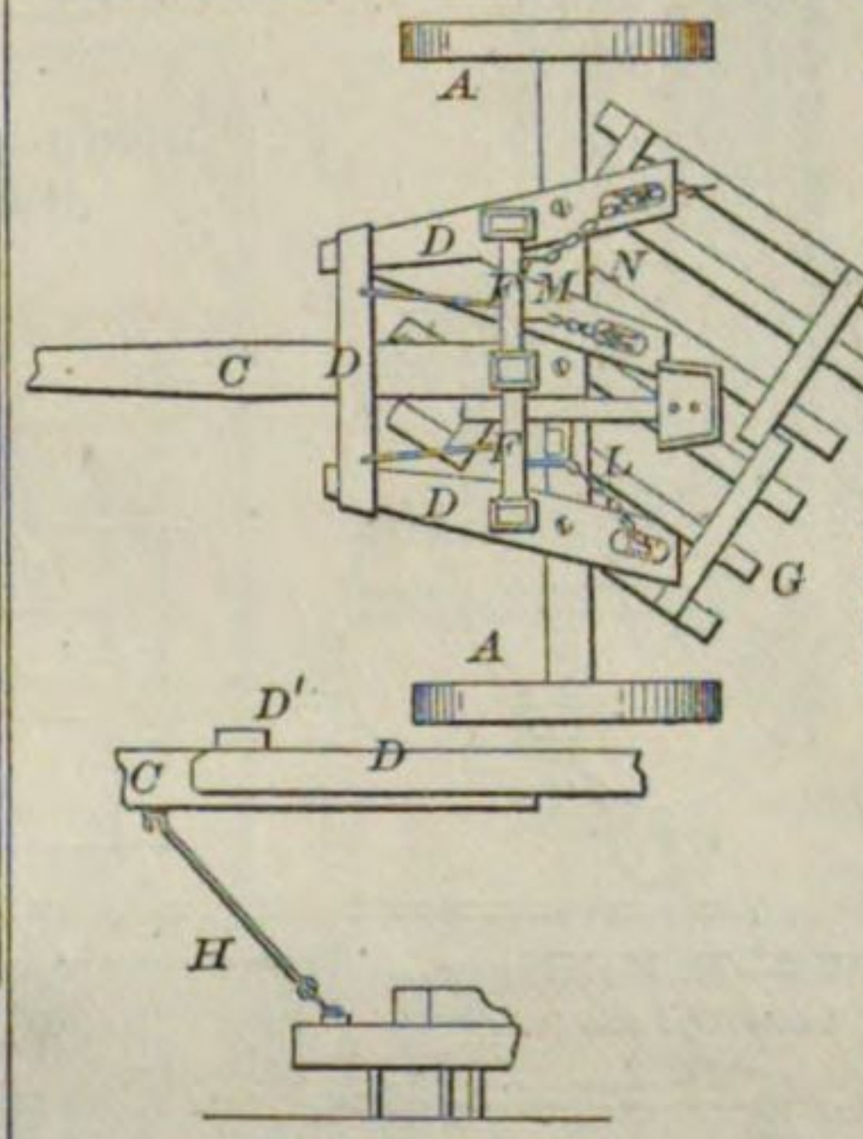
58853—J. W. Maloy—*For Cutting Granite.*



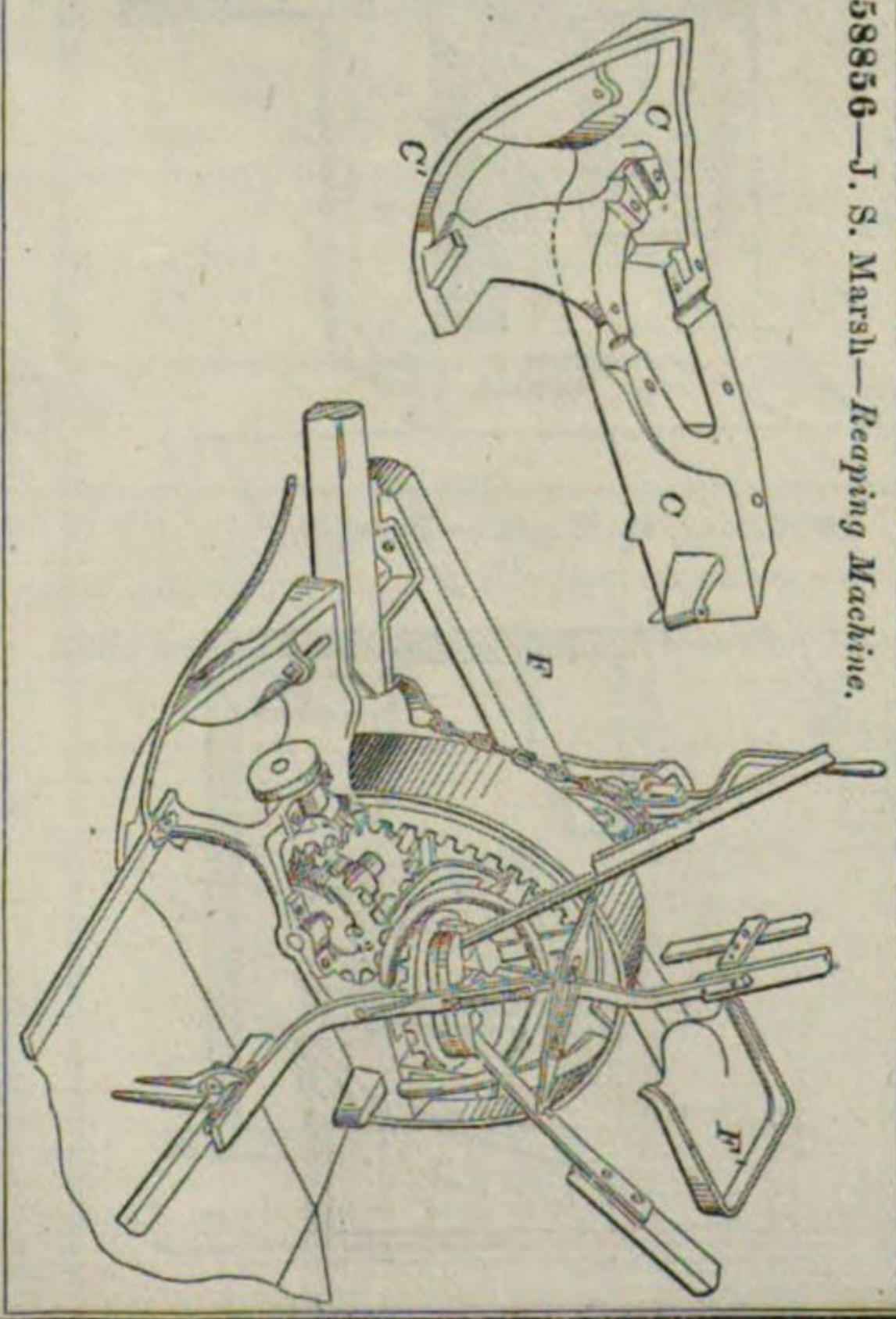
58855—J. S. Marsh—*Plow.*



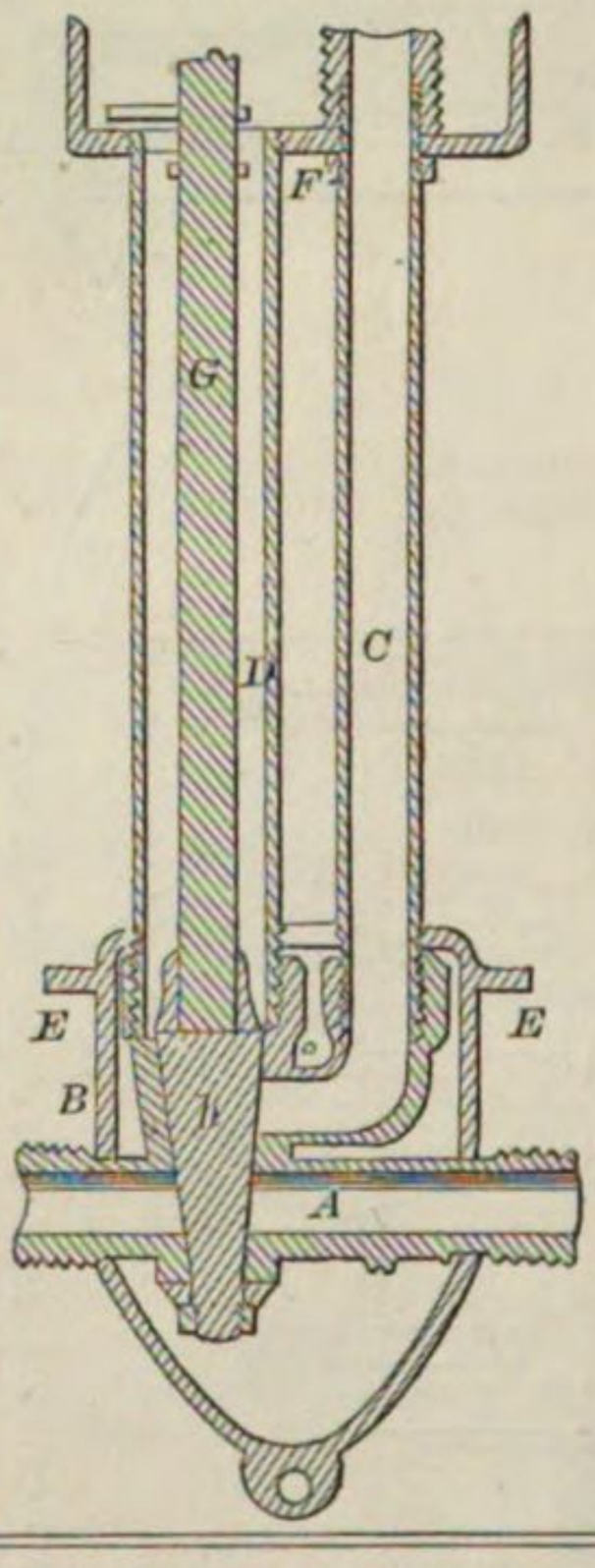
58854—Marinus & J. & W. Whait—*Carriage Harrow.*



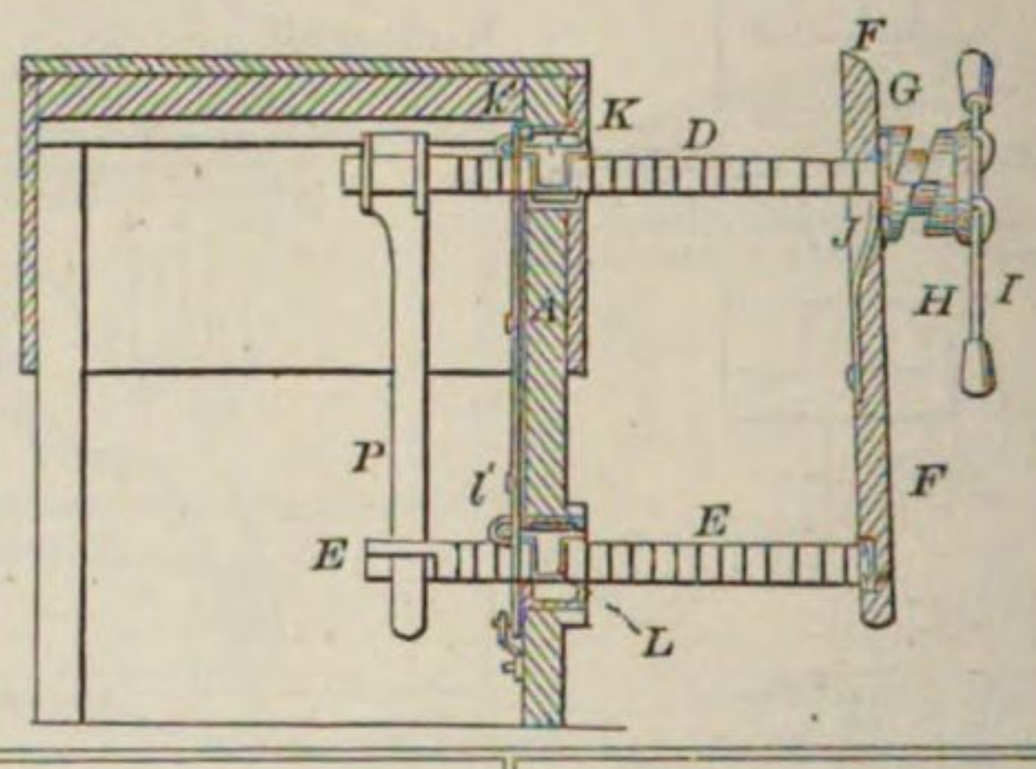
58856—J. S. Marsh—*Reaping Machine.*



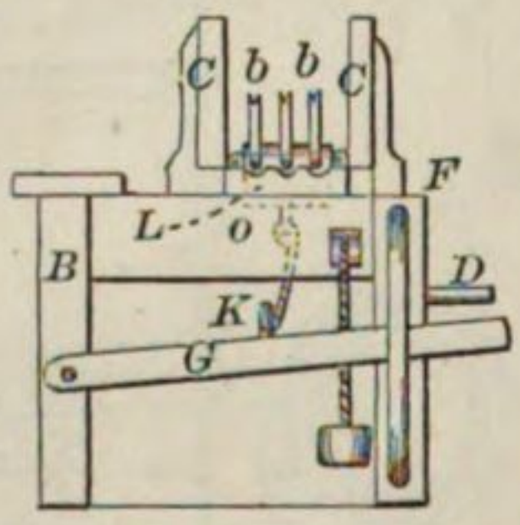
58857—J. McClelland—
Street Washer.



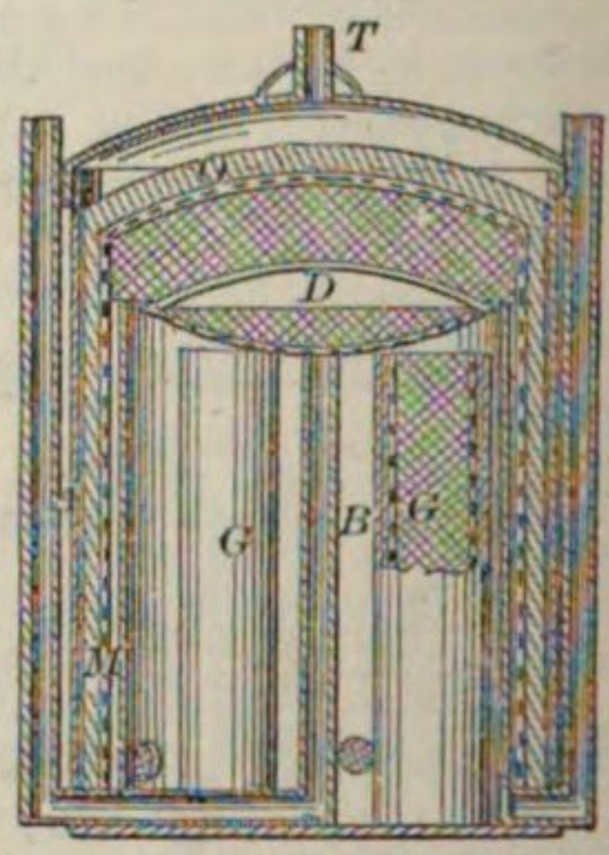
58858—R. McConnell—*Carpenters' Bench.*



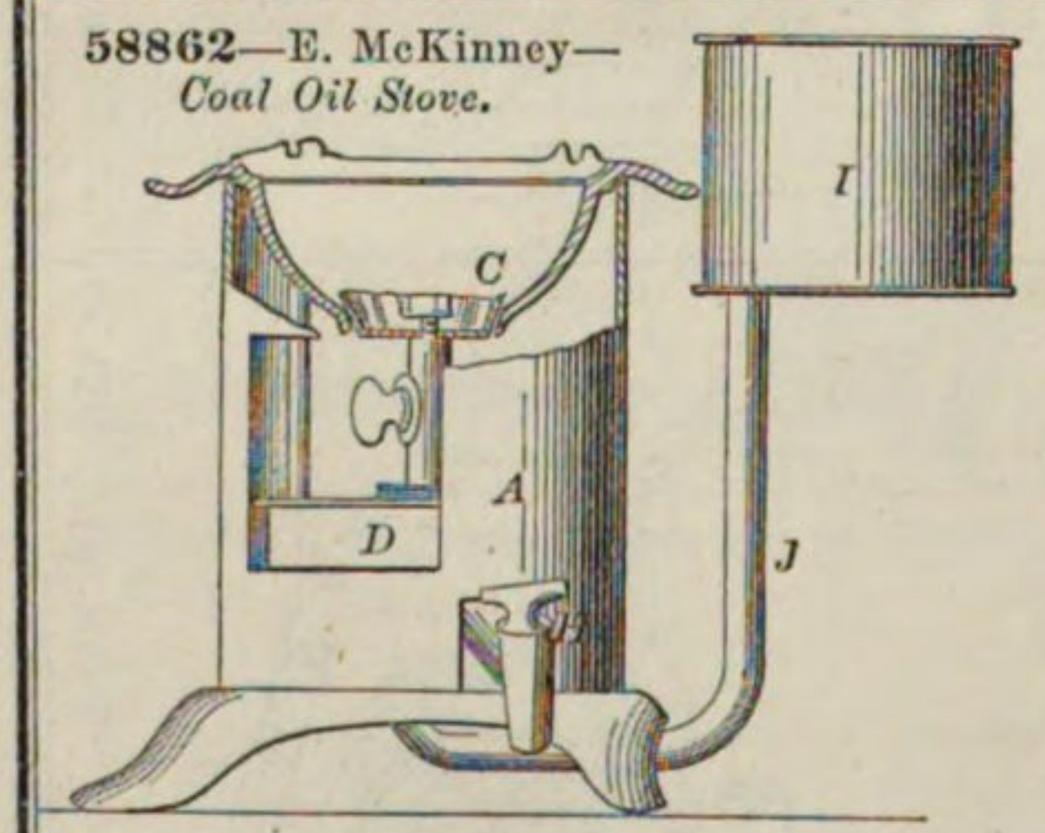
58860—O. C. McCune—
Wool Press.



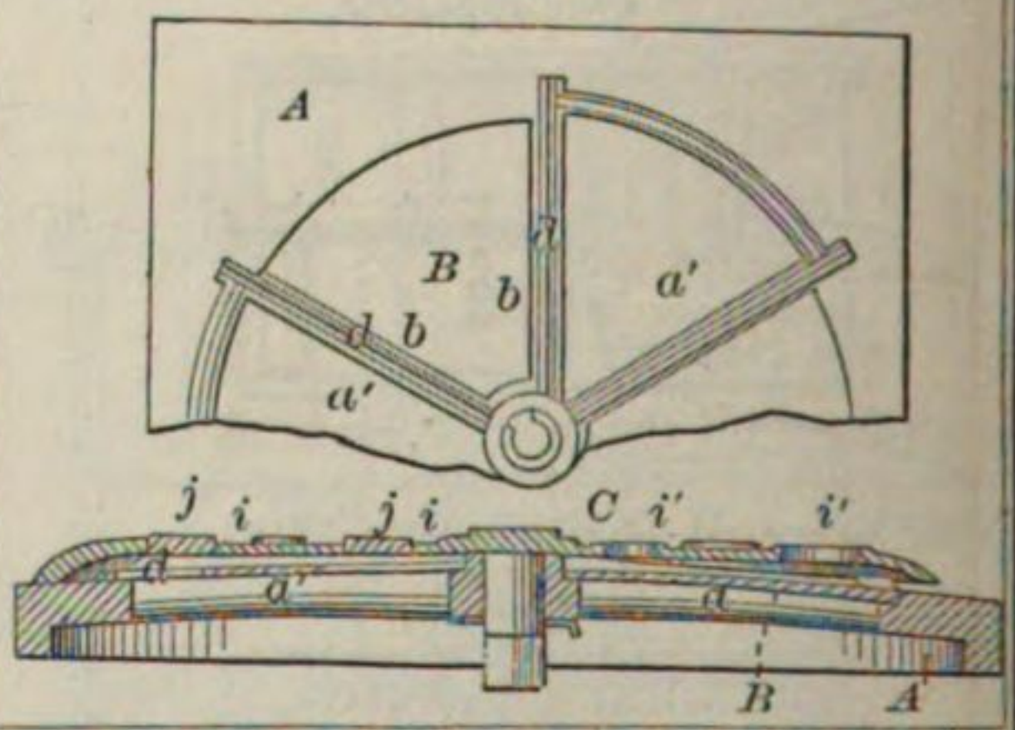
58861—J. McGeary—*For Carbureting Air.*



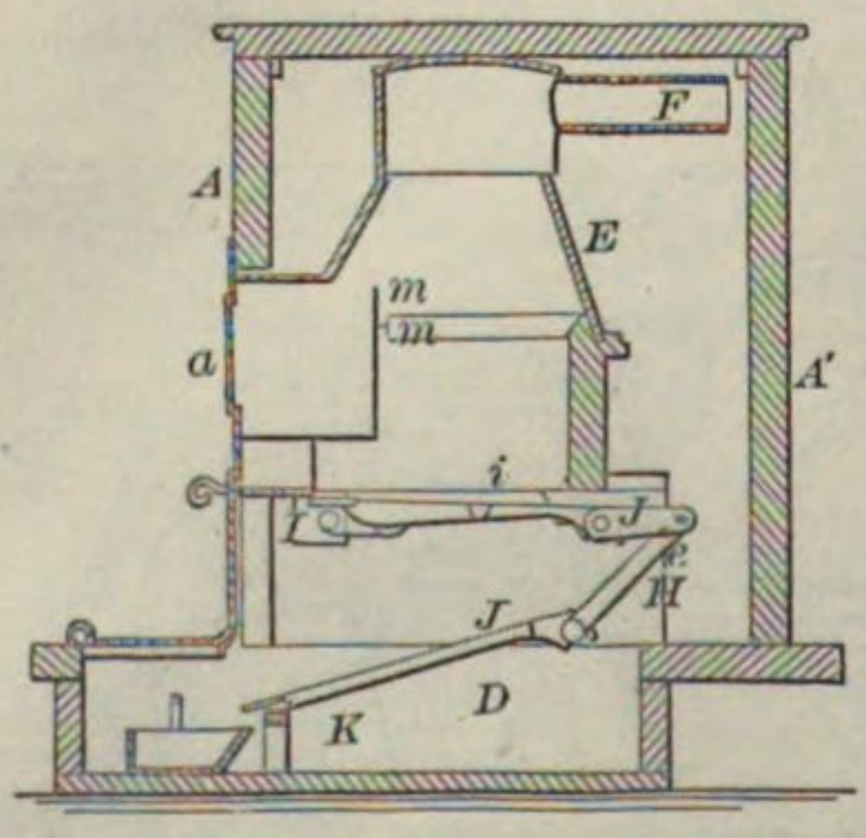
58862—E. McKinney—
Coal Oil Stove.



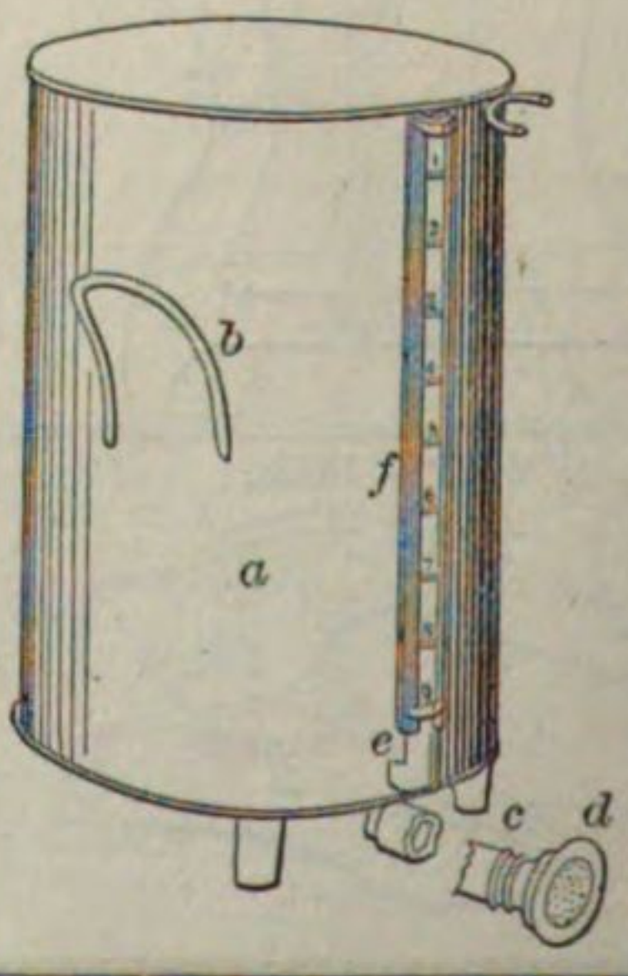
58859—M. J. McCormick—*Vault Light.*



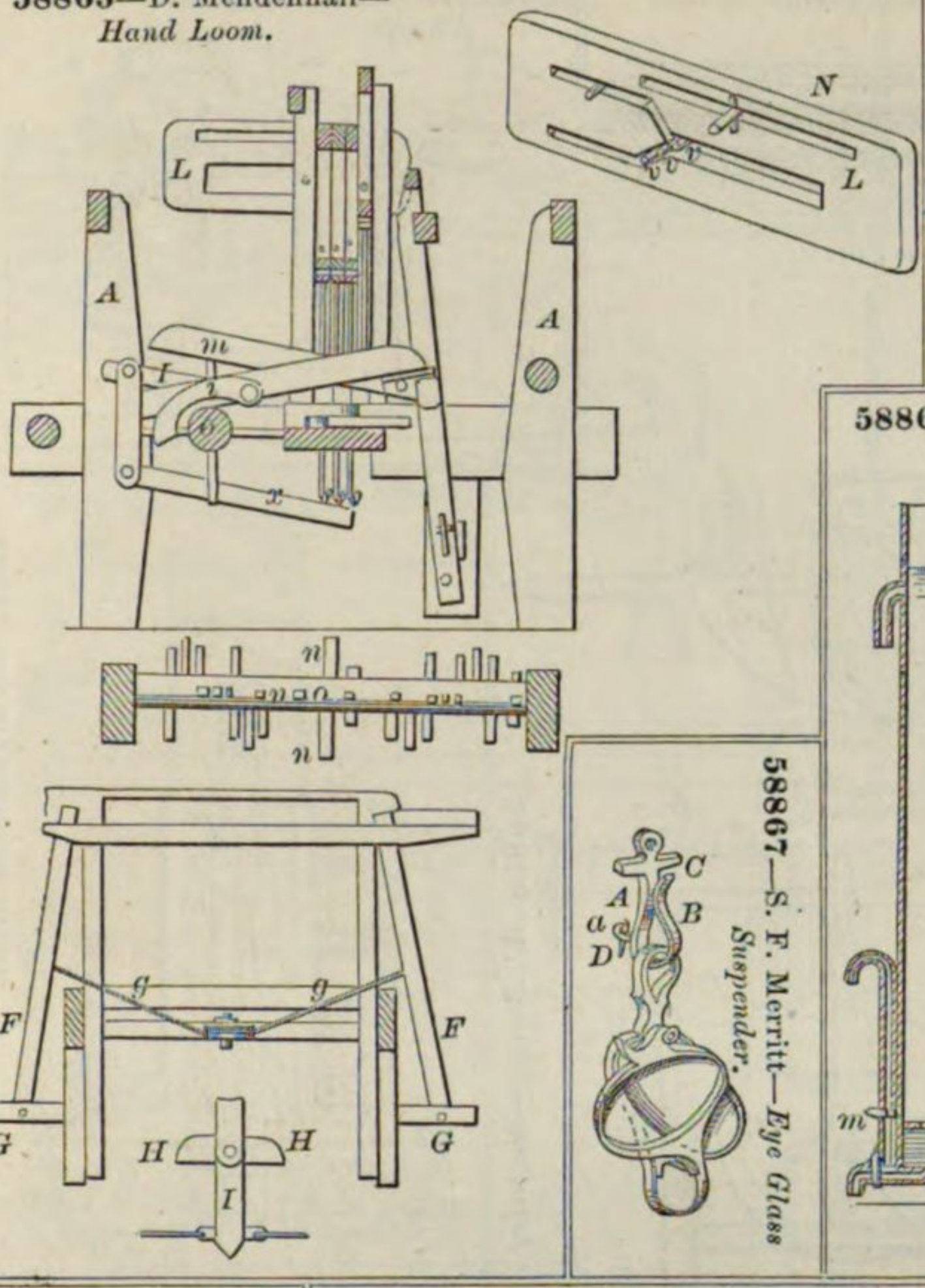
58863—J. H. Mearns—*Furnace.*



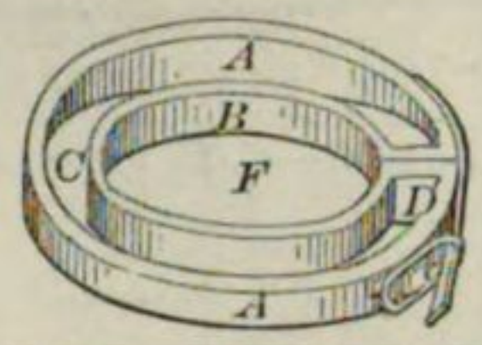
58864—W. R. Meins—*For Supplying Liquor to Centrifugal Machines.*



58865—D. Mendenhall—*Hand Loom.*

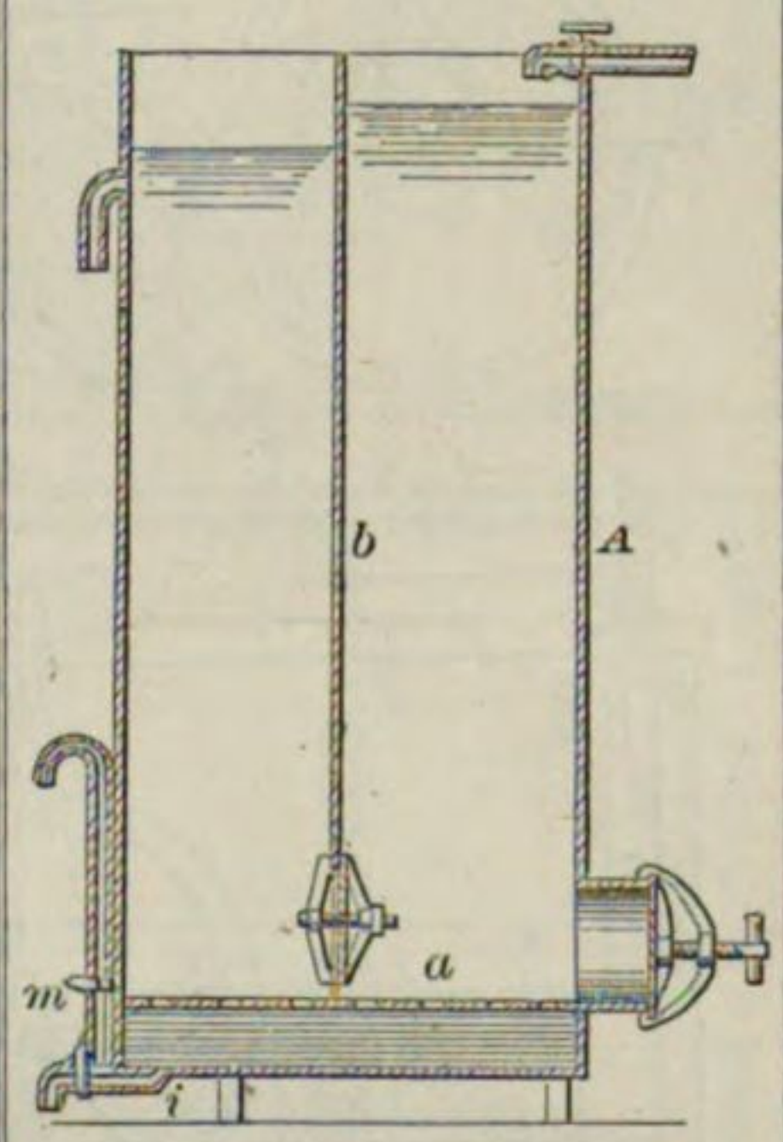


58866—D. Mendenhall—*Tree Protector.*

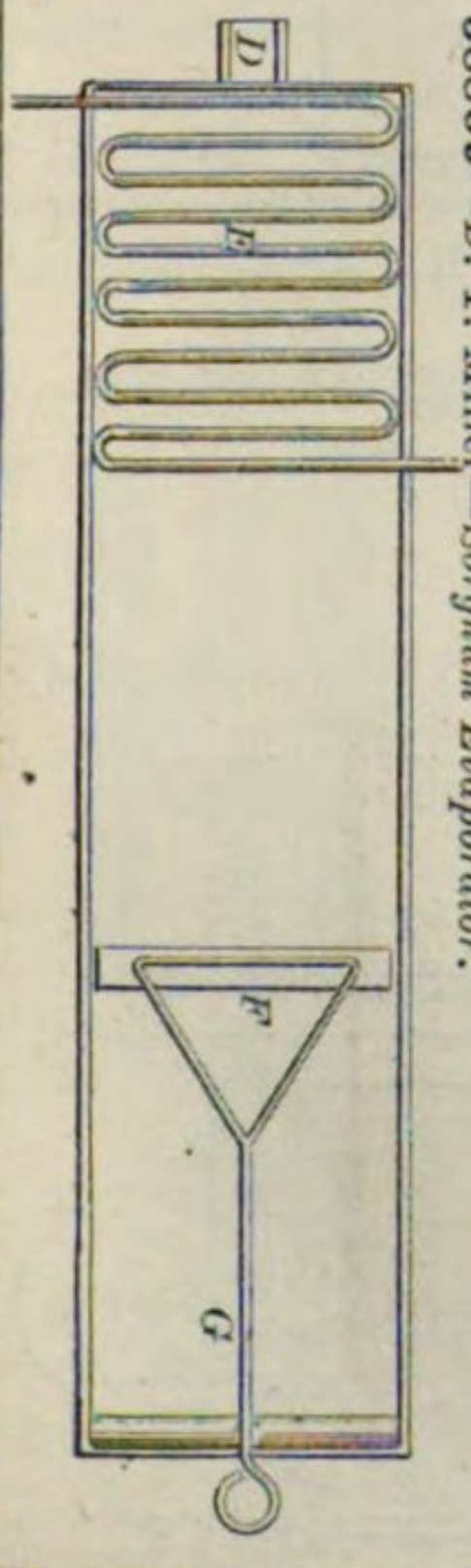


58867—S. F. Merritt—*Eye Glass Suspender.*

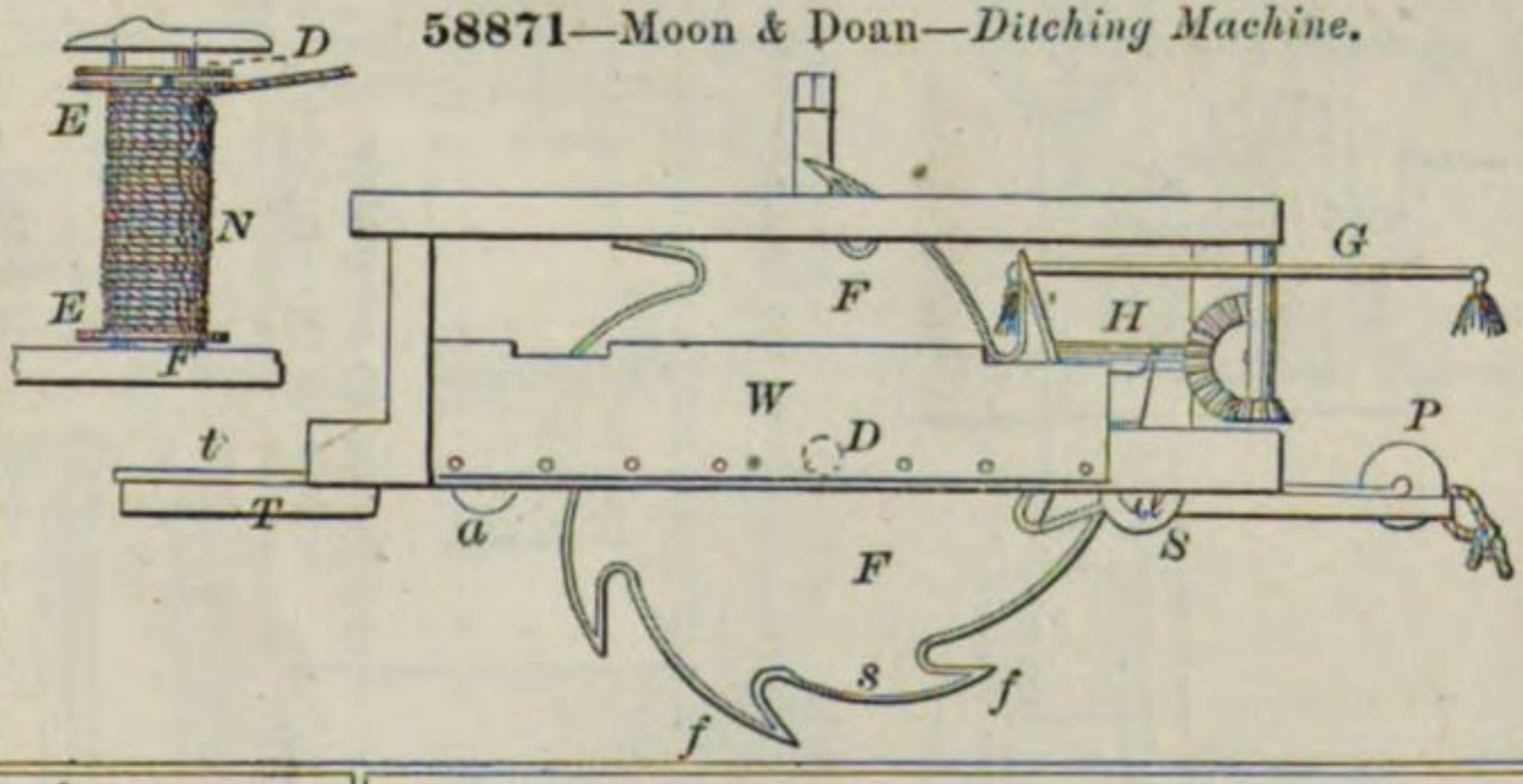
58868—C. F. Mietzsch—*Filter.*



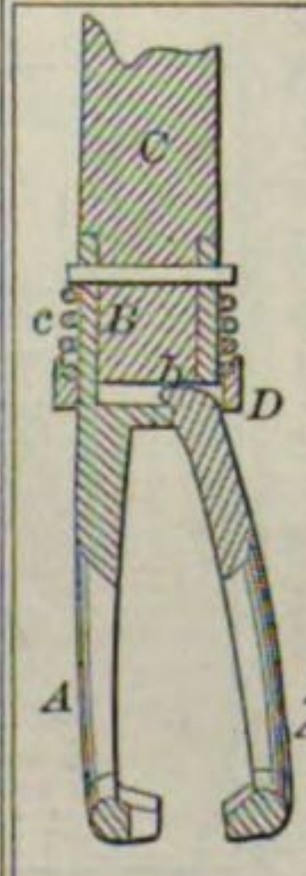
58869—D. T. Miller—*Sorghum Evaporator.*



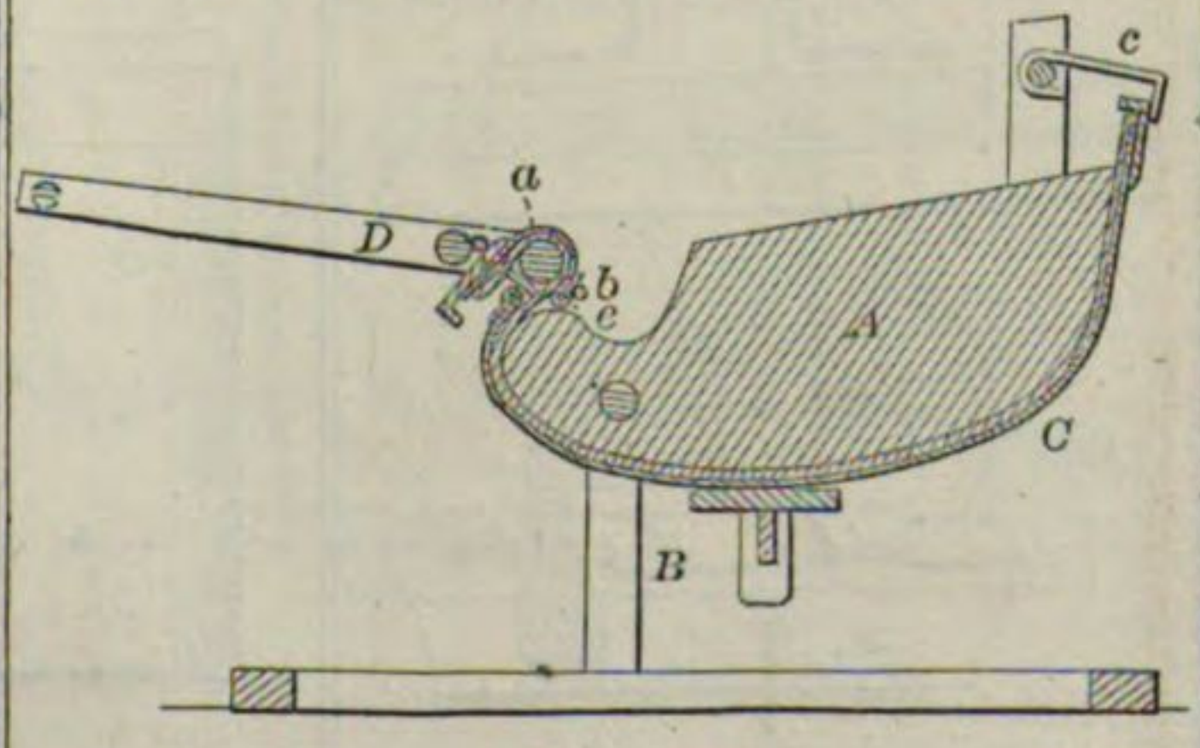
58871—Moon & Doan—*Ditching Machine.*



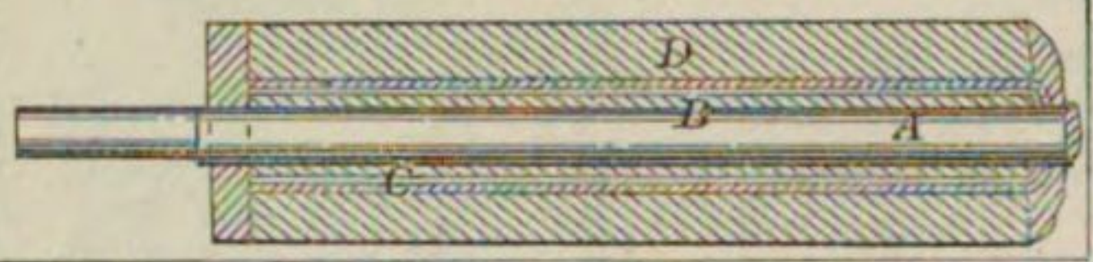
58872—W. Morehouse—*Mop Holder.*



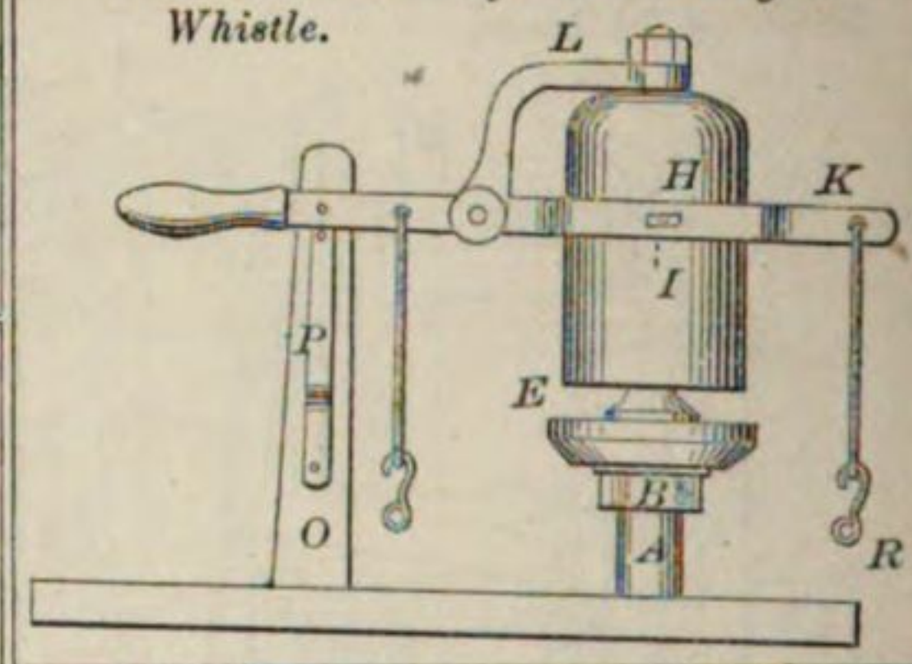
58873—C. Moyer, Jr.—*Wood Bending Machine.*



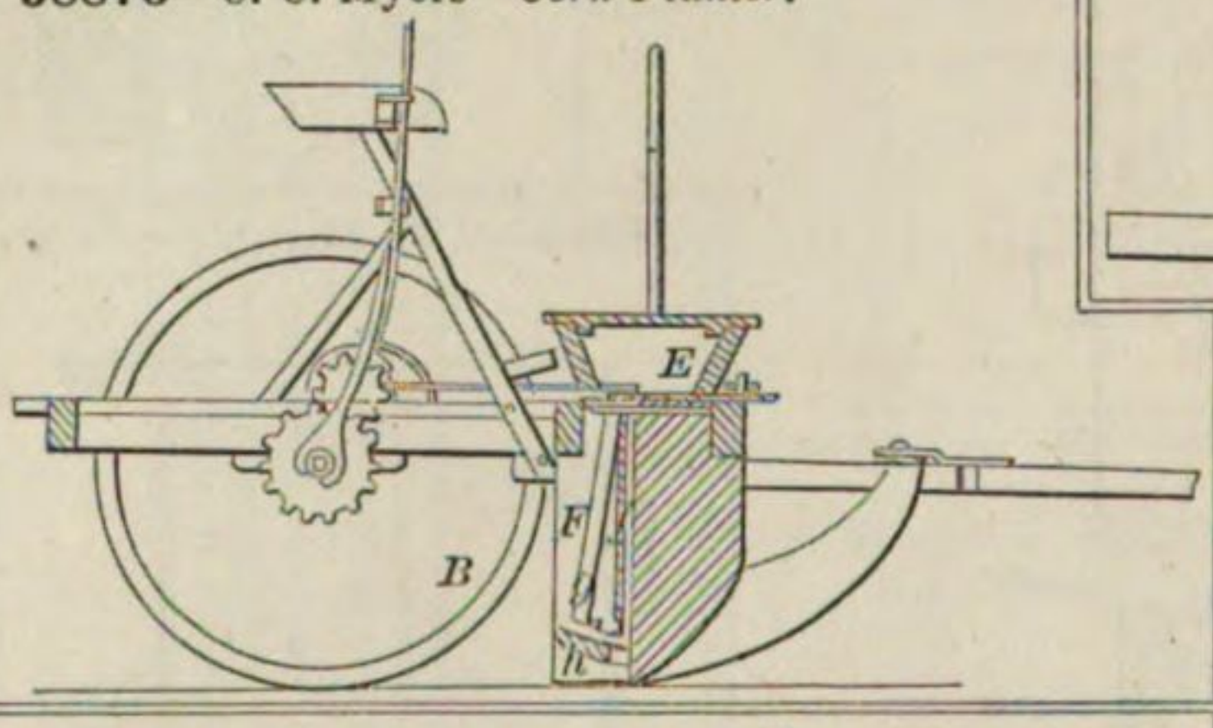
58874—J. Murphy—*Clothes Wringer Roller.*



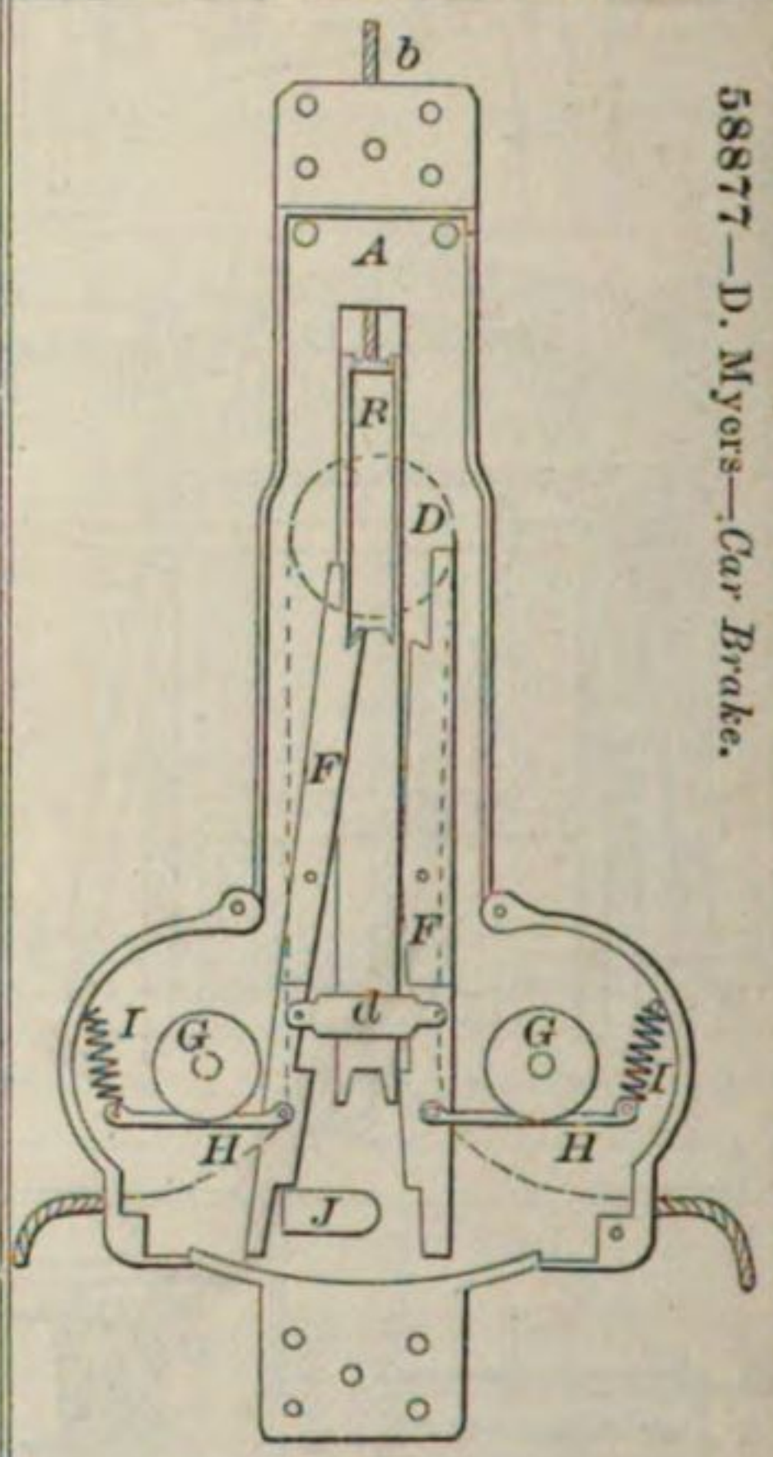
58875—J. Murray—*Steam Engine Whistle.*



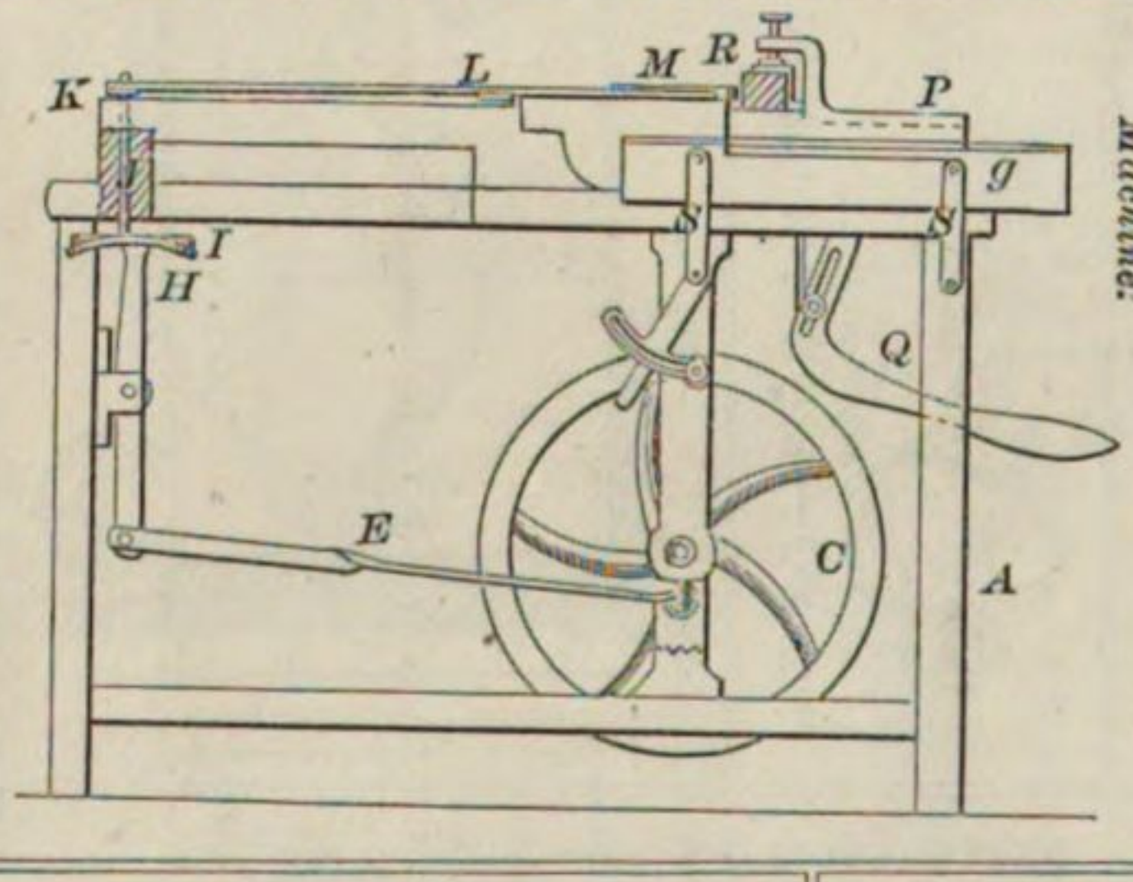
58876—C. C. Myers—*Corn Planter.*



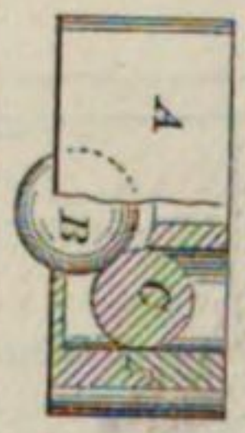
58877—D. Myers—*Car Brake.*



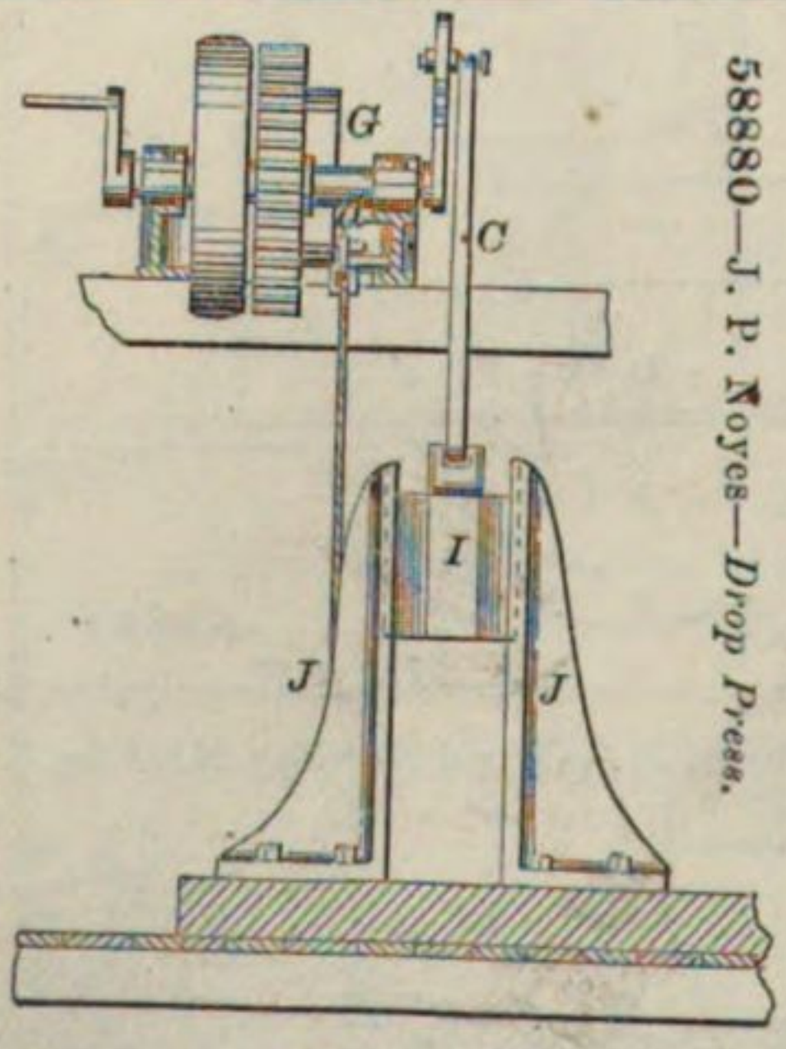
58878—W. Nangel—*Mortising Machine.*



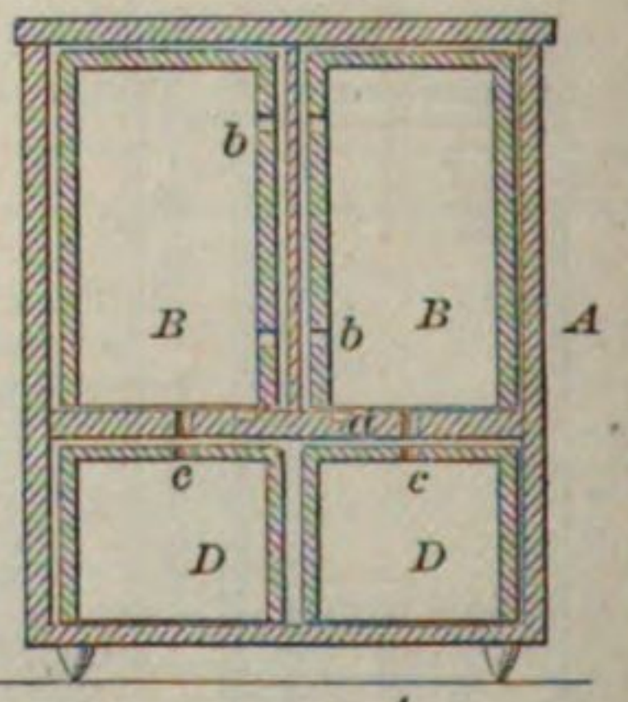
58879—H. Naylor—*Furniture Caster.*



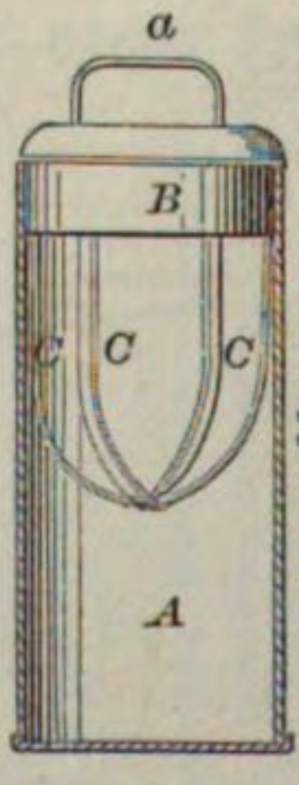
58880—J. P. Noyes—*Drop Press.*

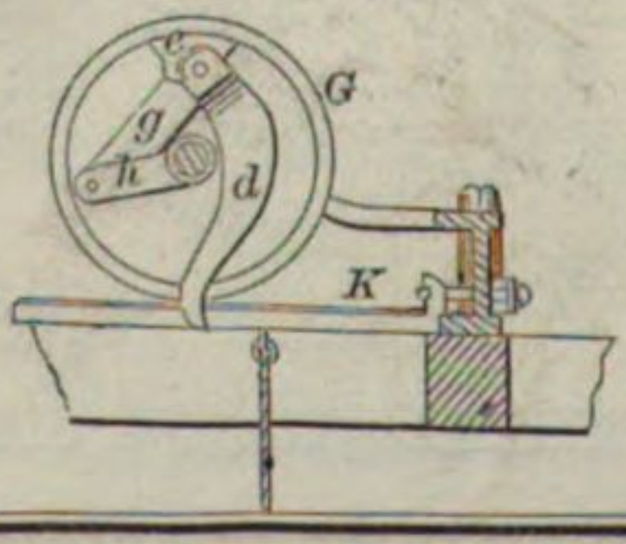


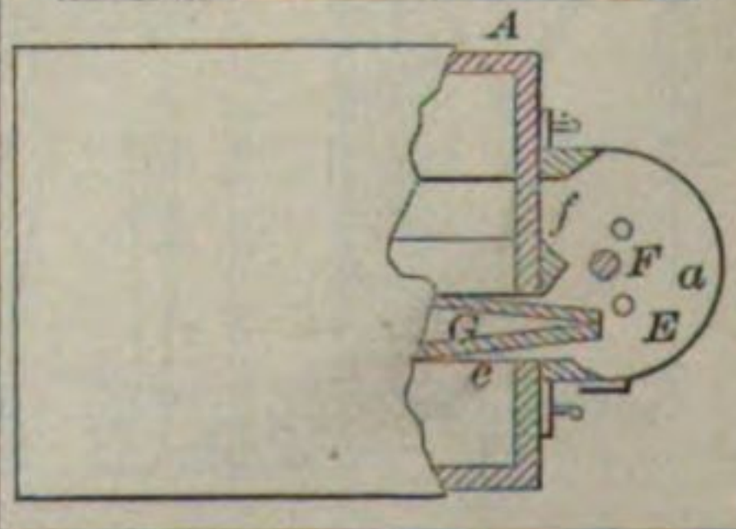
58881—W. H. Pierson—*Beehive.*



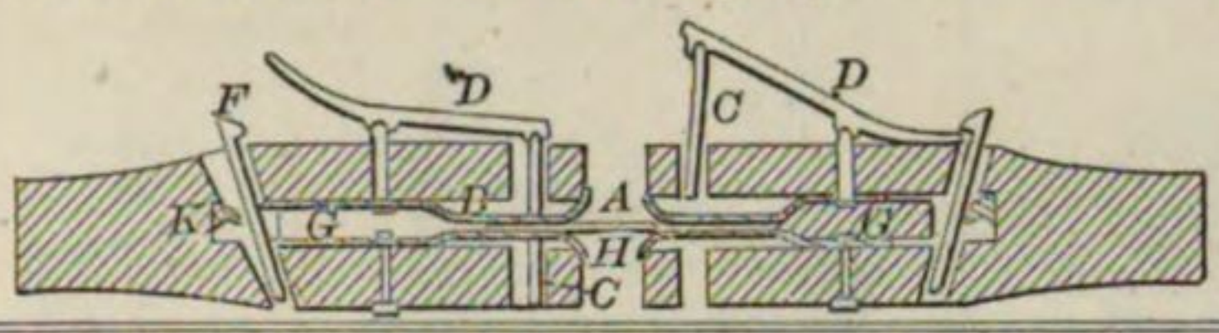
58882—C. Pinder—*Egg Beater.*



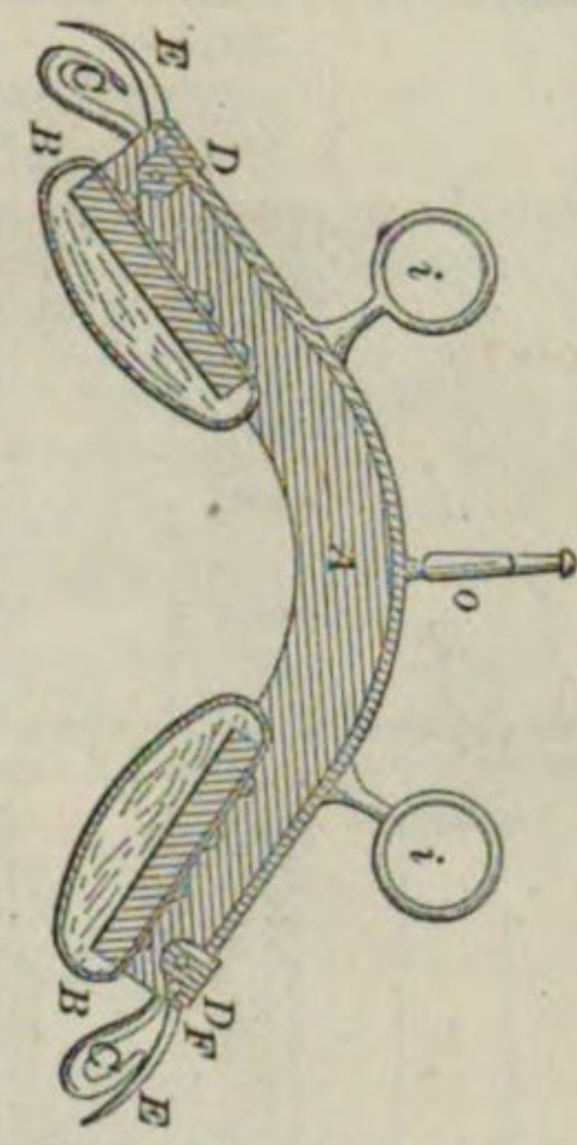




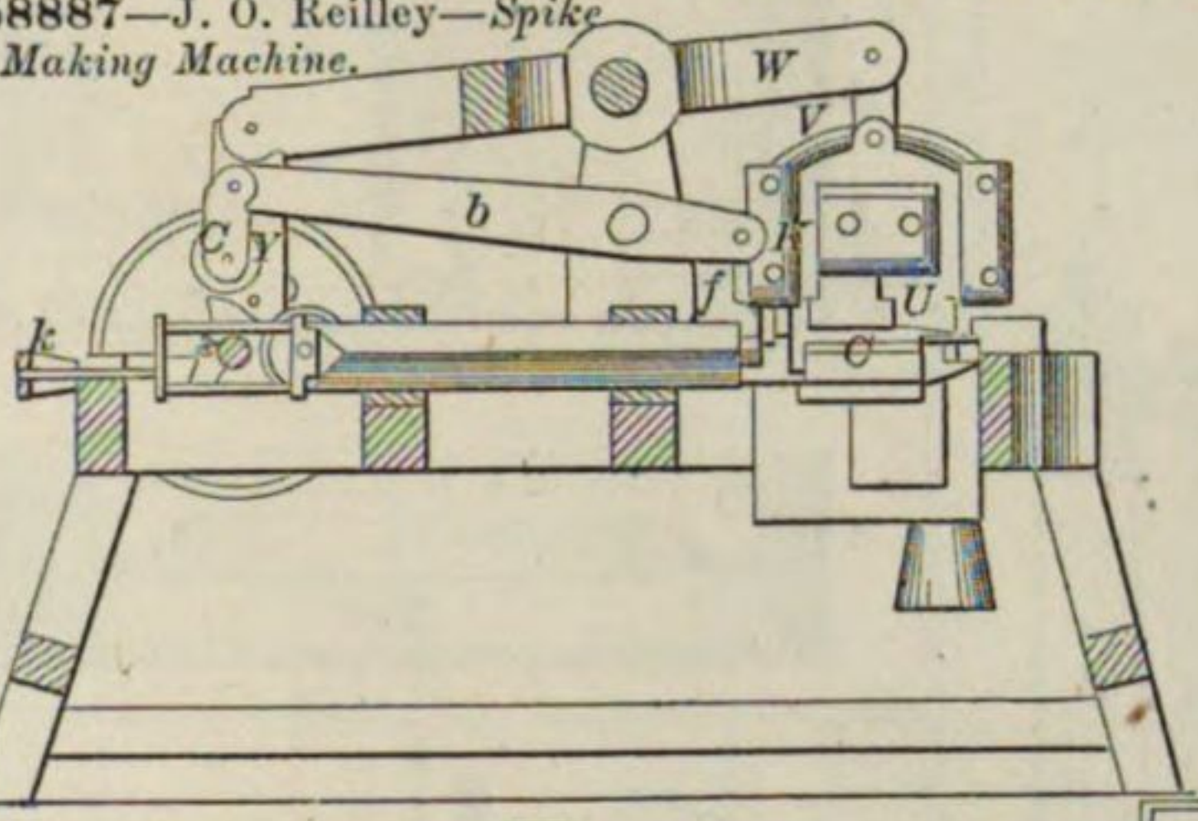
58883—T. D. Powers—*Car Coupling.*

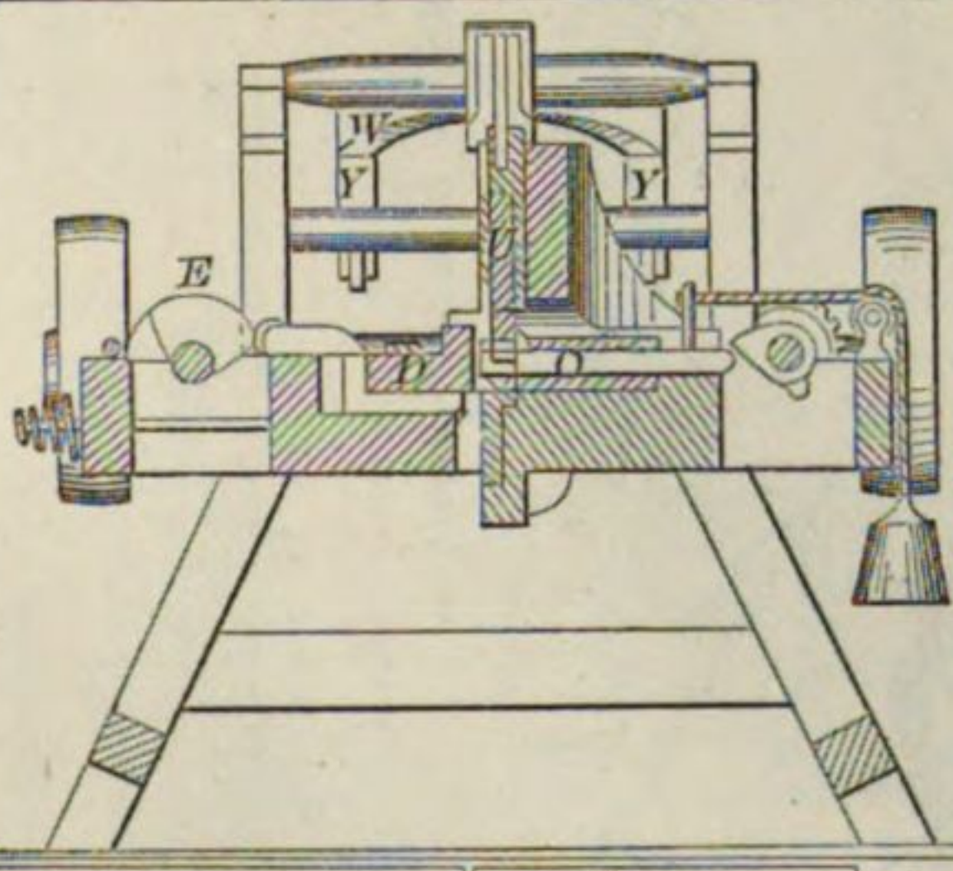


58884—Rains & Adams—*Cart Saddle.*

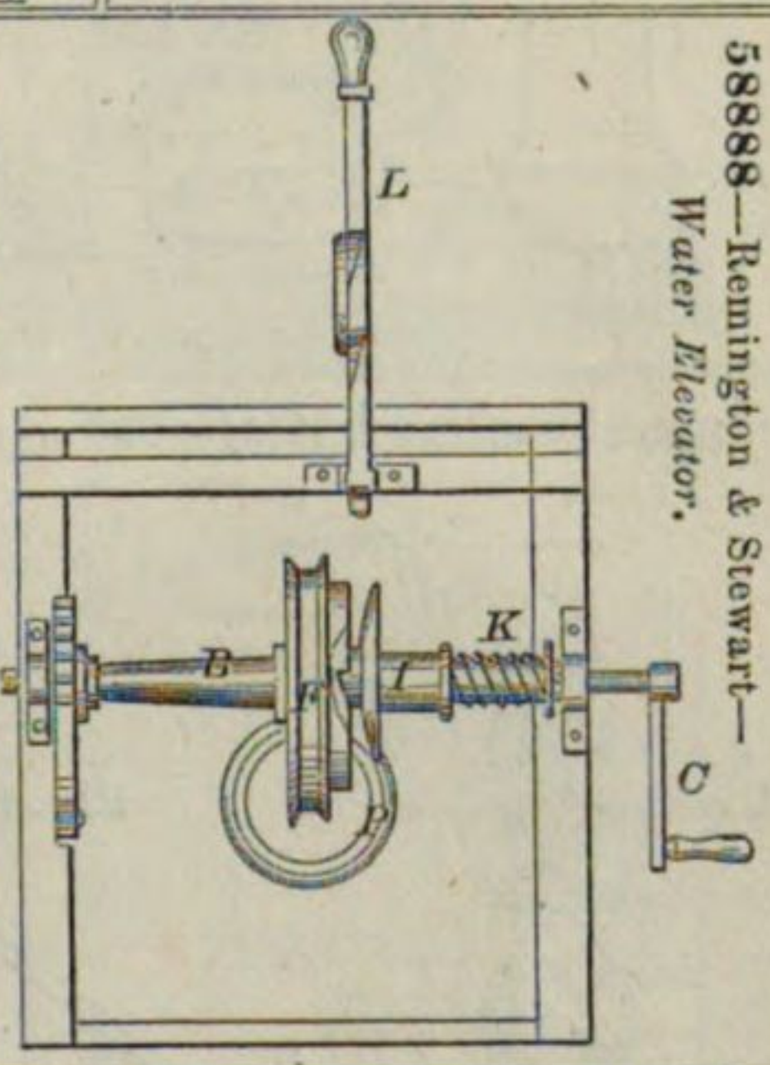


58887—J. O. Reilley—*Spike Making Machine.*

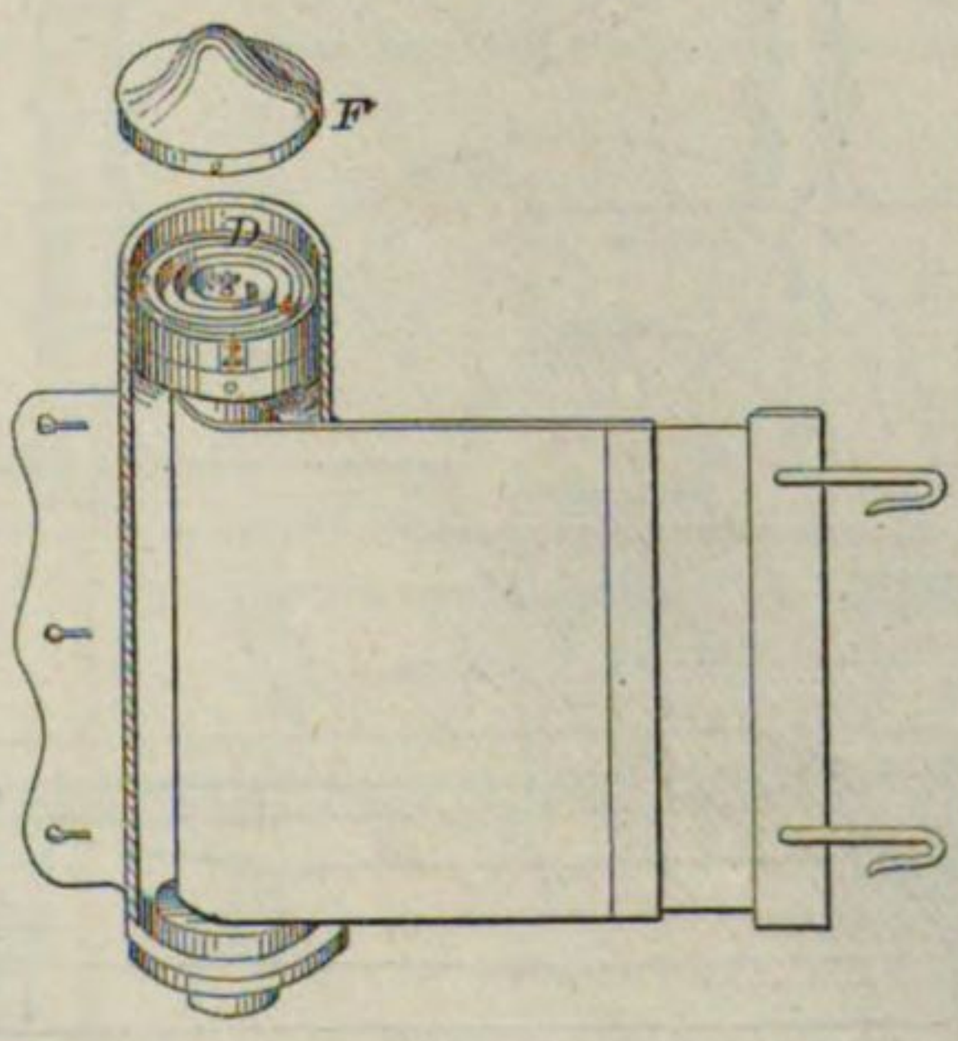




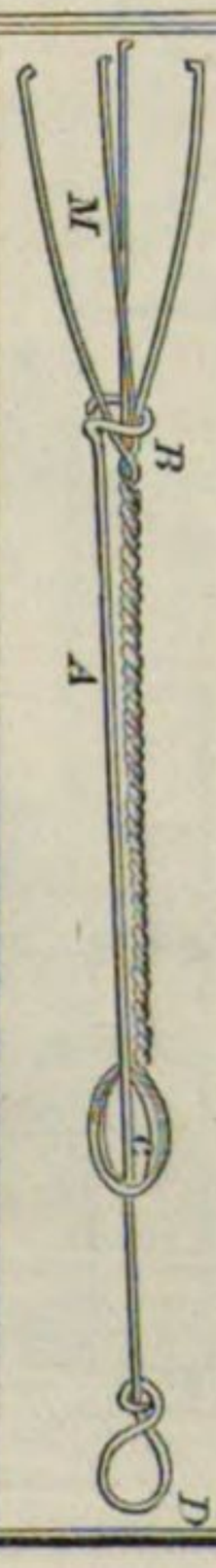
58888—Remington & Stewart—*Water Elevator.*



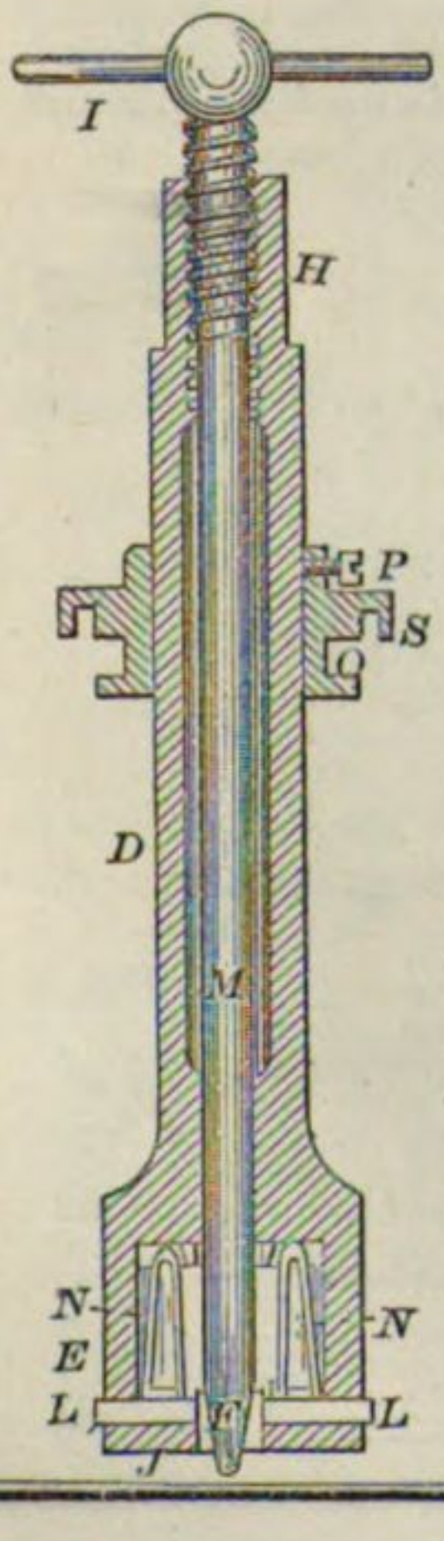
58885—G. W. Raitt—*Carriage Dress Guard.*



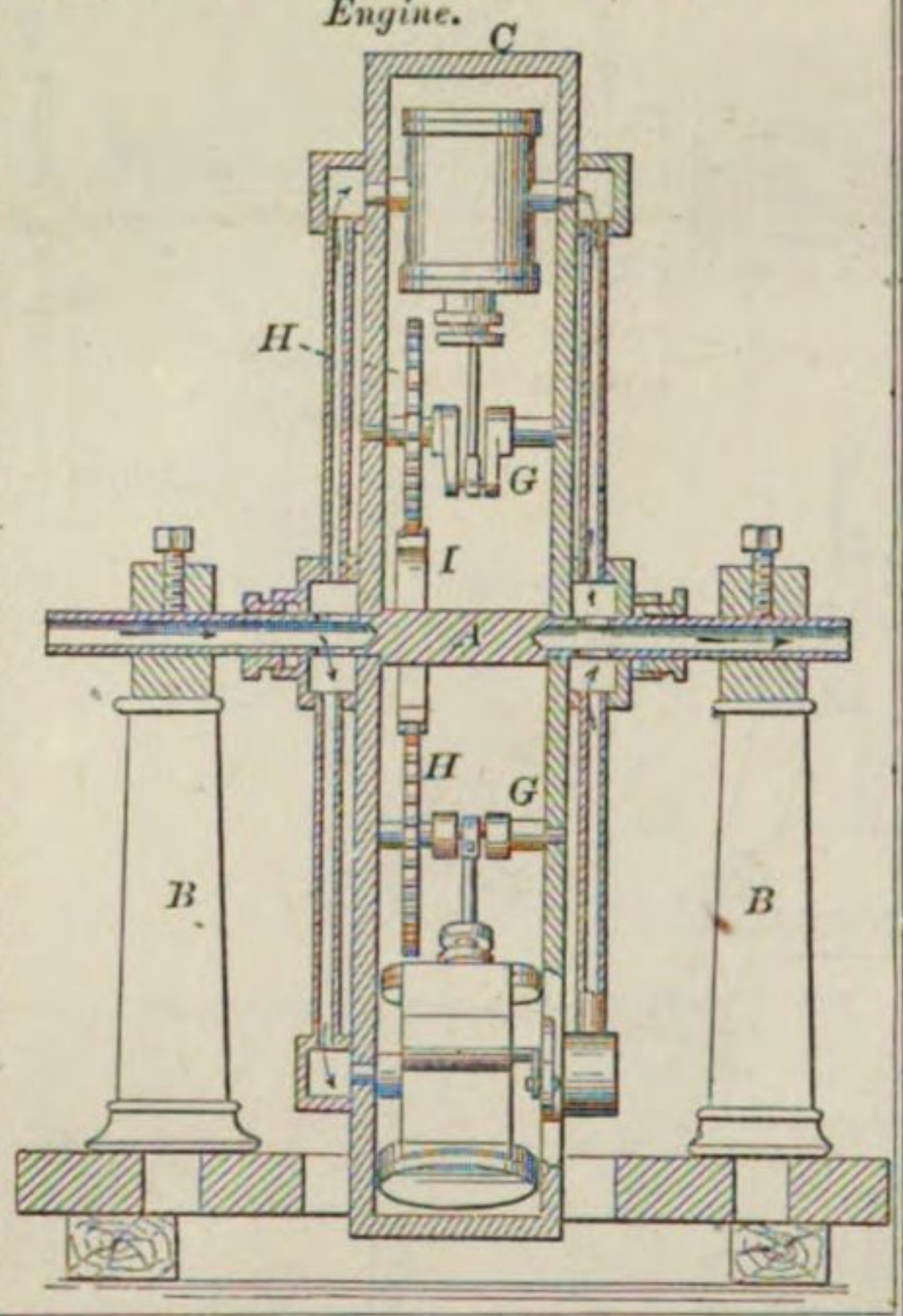
58889—C. Rosenberry—*Cork Extractor.*



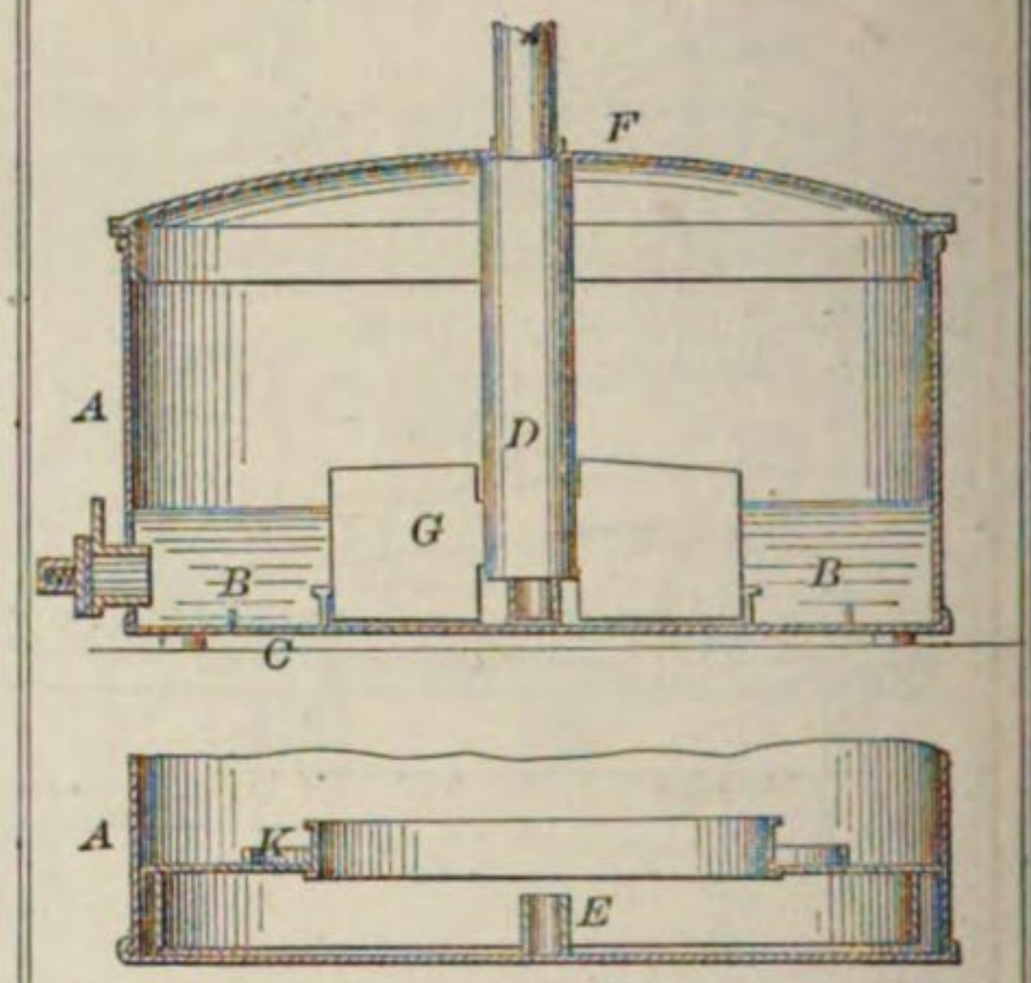
58886—Ramsey & Miller—*Tool for Cutting Boiler Tubes.*



58891—C. F. Ruset—*Revolving Cylinder Engine.*

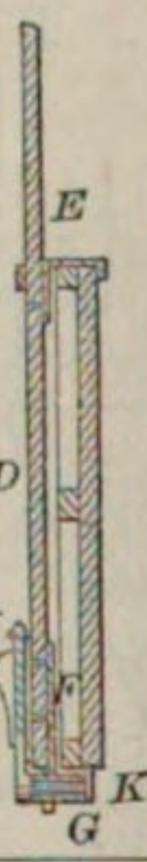


58895—J. J. Sawyer—*Dish Washer.*



58894—L. Sauter—*Breastpin.*

58897—A. R. Scott—*Wagon Bow Fastening.*



58892—Saladee & Eddy—*Chimney.*

Fig. 2

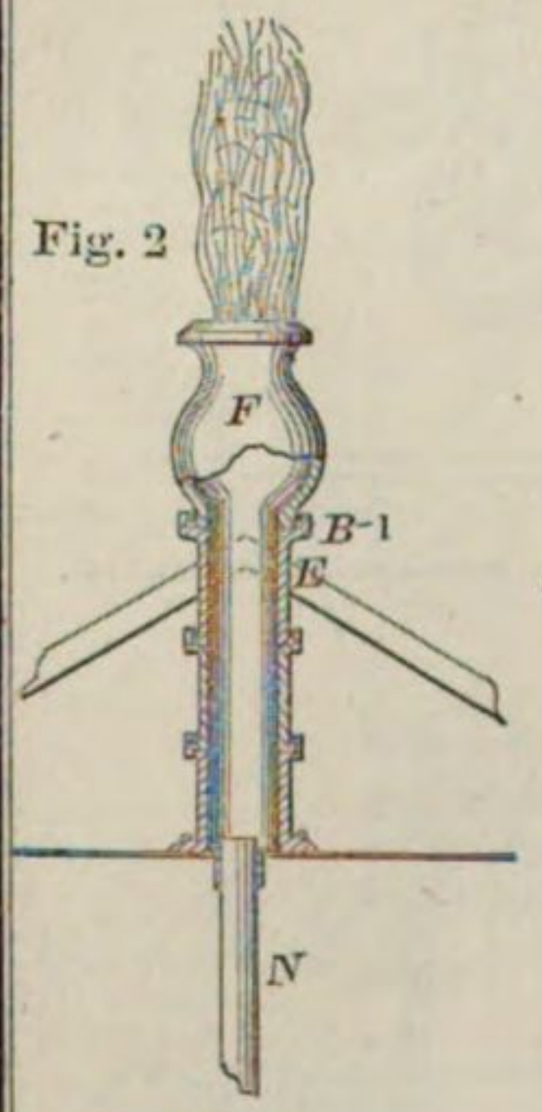
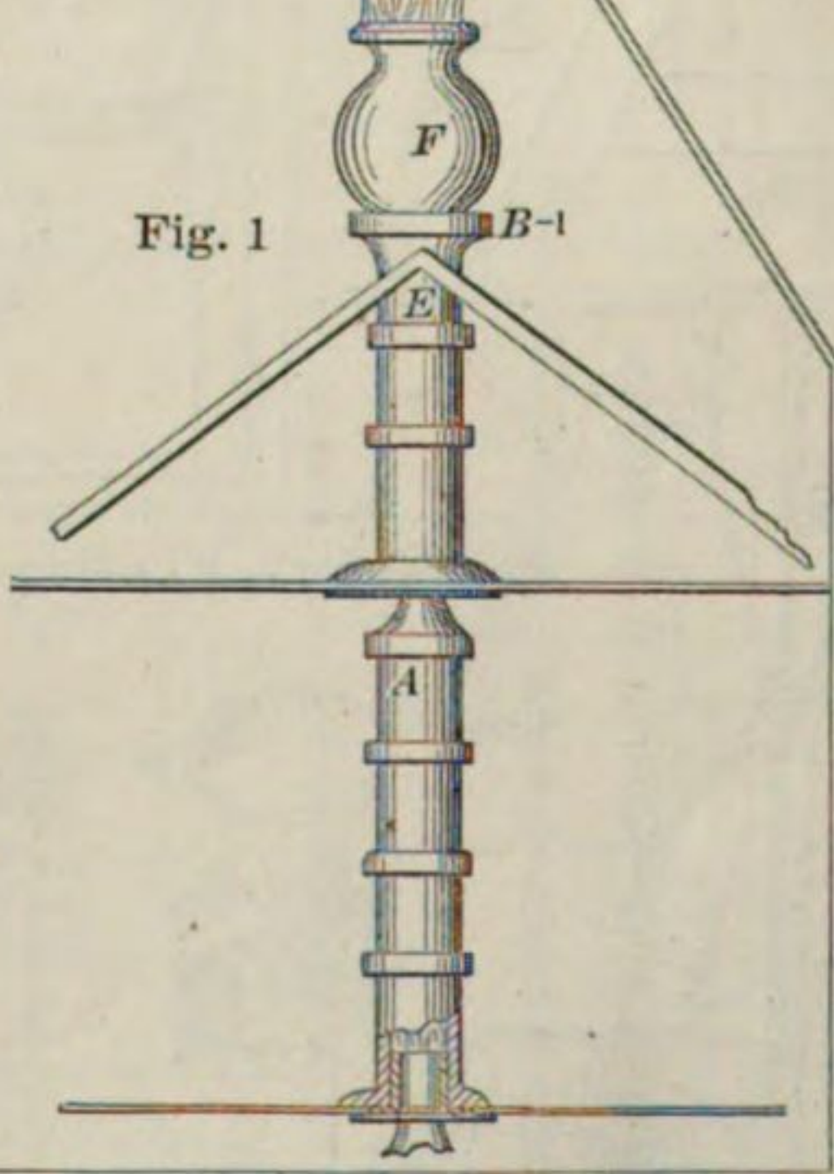
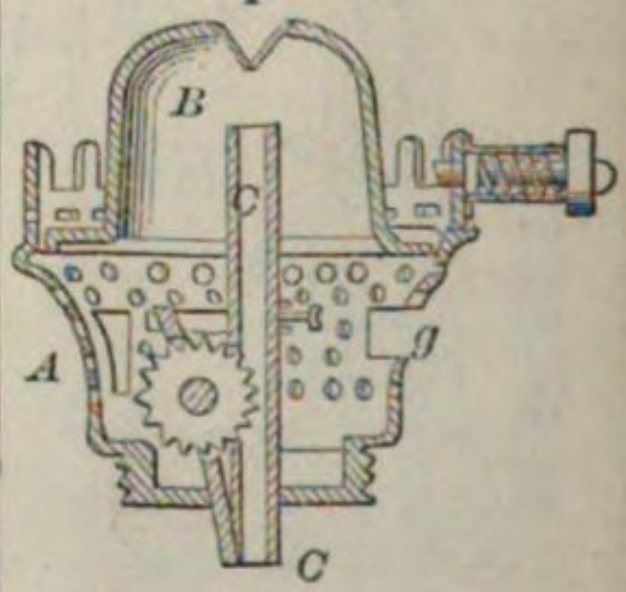


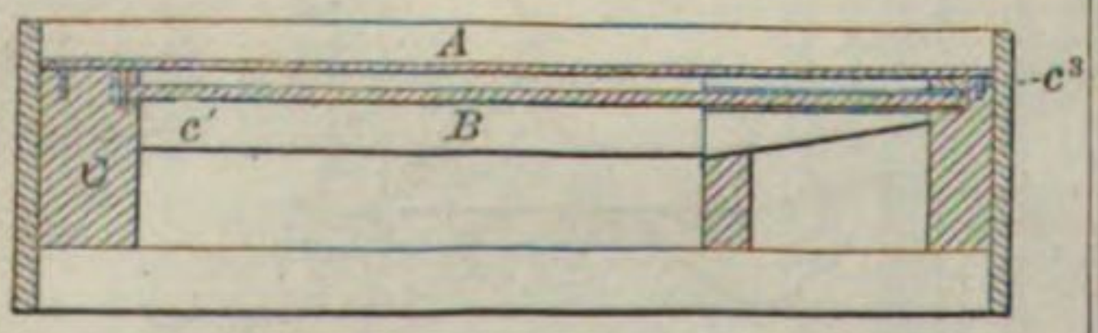
Fig. 1



58893—J. F. Sanford—*Lamp Burner.*



58896—P. Schuler—*Piano Forte.*



58898—W. Sellers—*Lock.*

Fig. 4

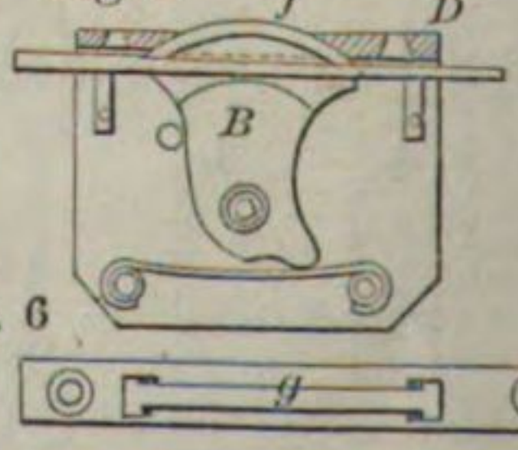
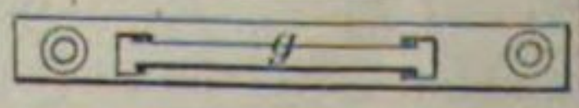
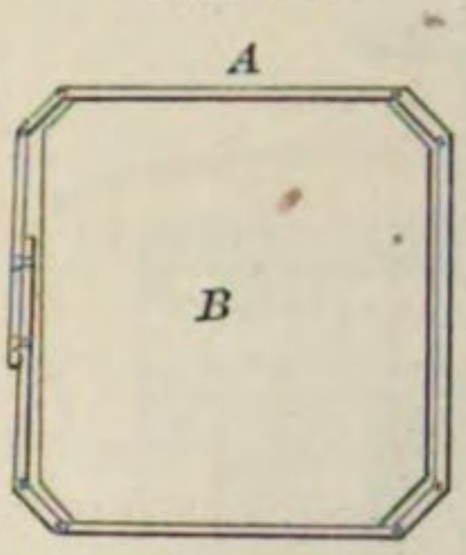


Fig. 5

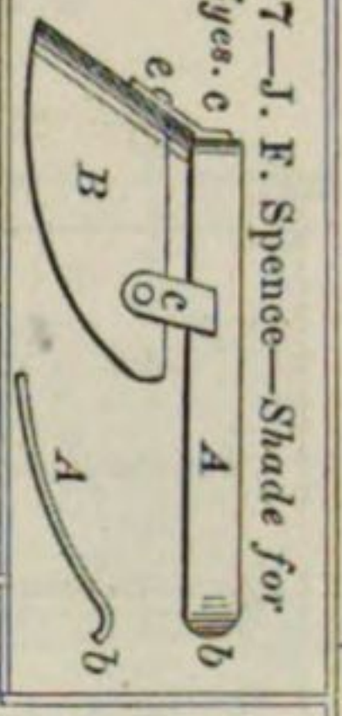
Fig. 6



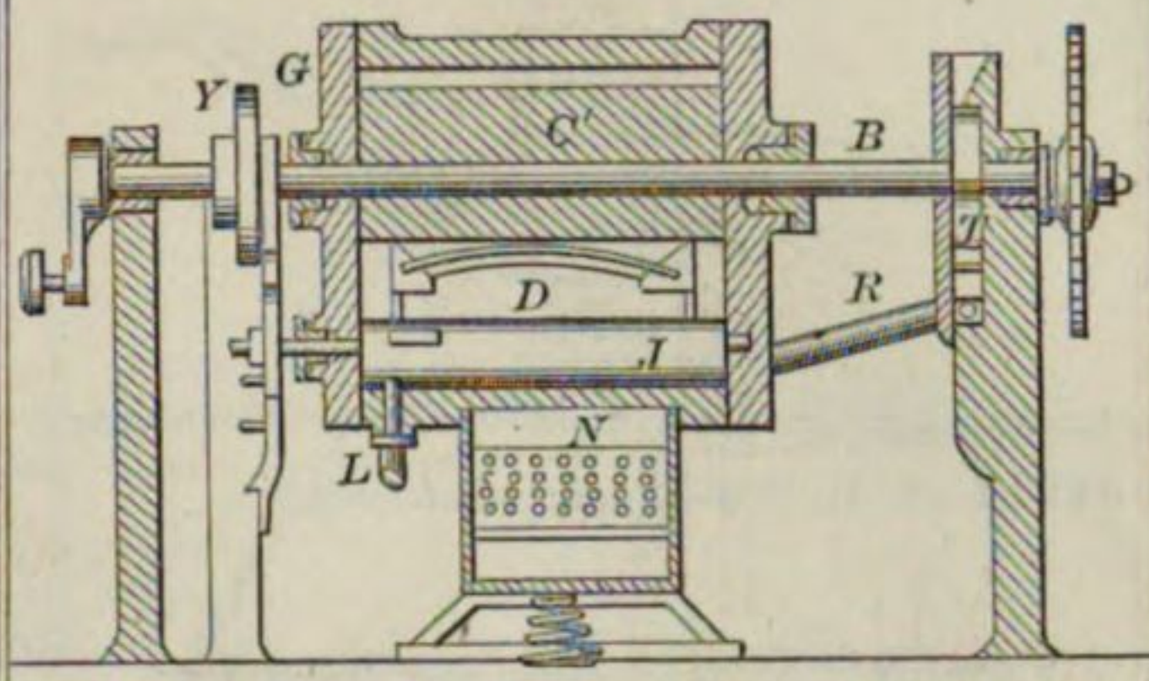
58899—J. T. Severns—*Fruit Box.*



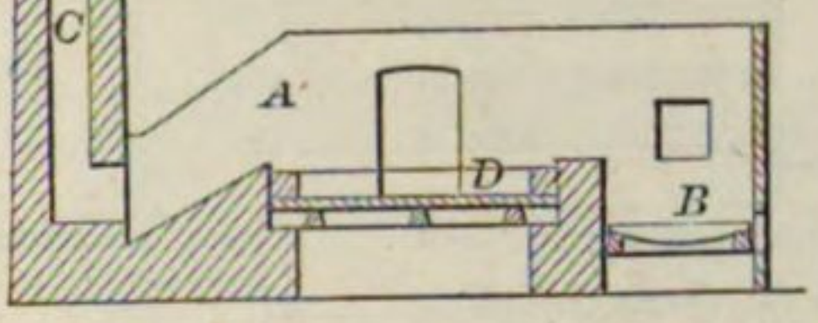
58907—J. F. Spence—*Shade for the Eyes.*

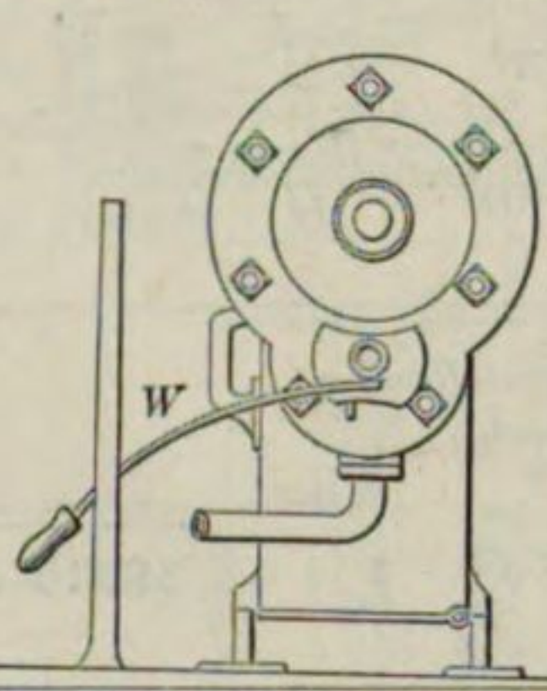


58900—S. Sherman—*Rotary Engine.*

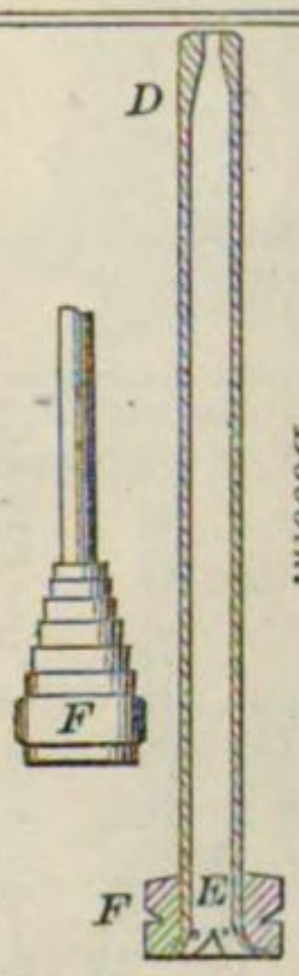


58904—J. Snyder—*Puddling Furnace.*

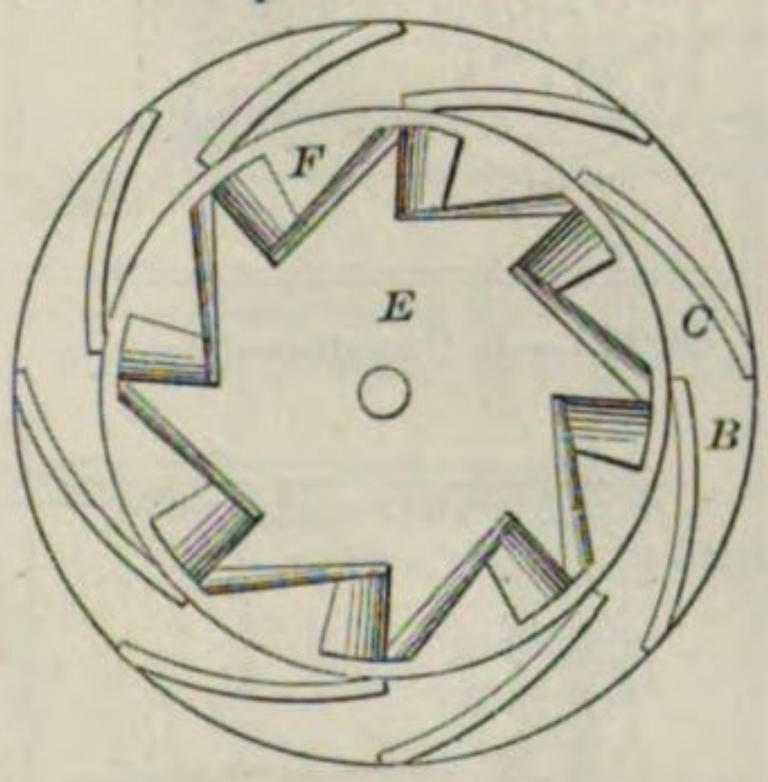




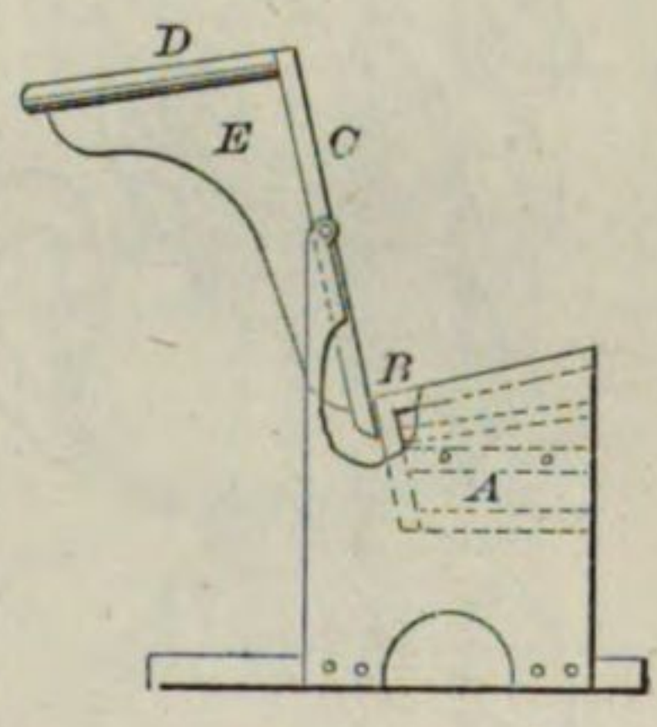
58903—C. T. Smith—*Spinning Machine Bobbin.*



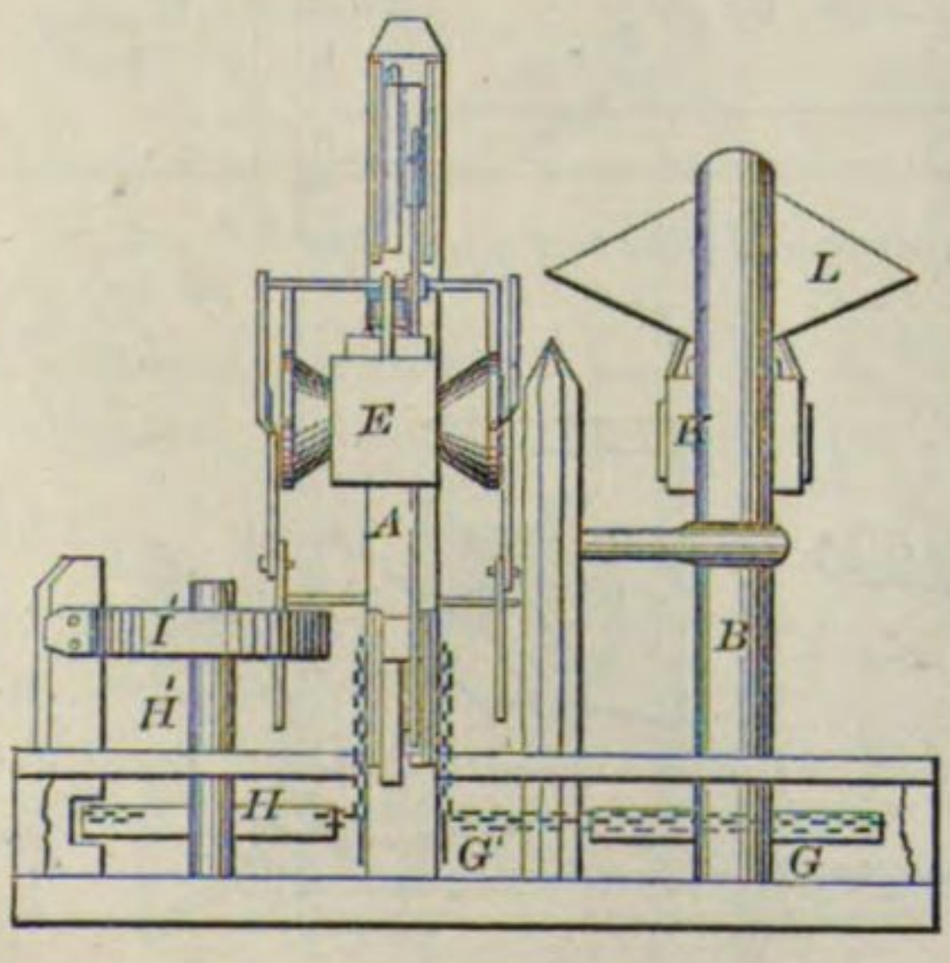
58906—F. Speck—*Water Wheel.*



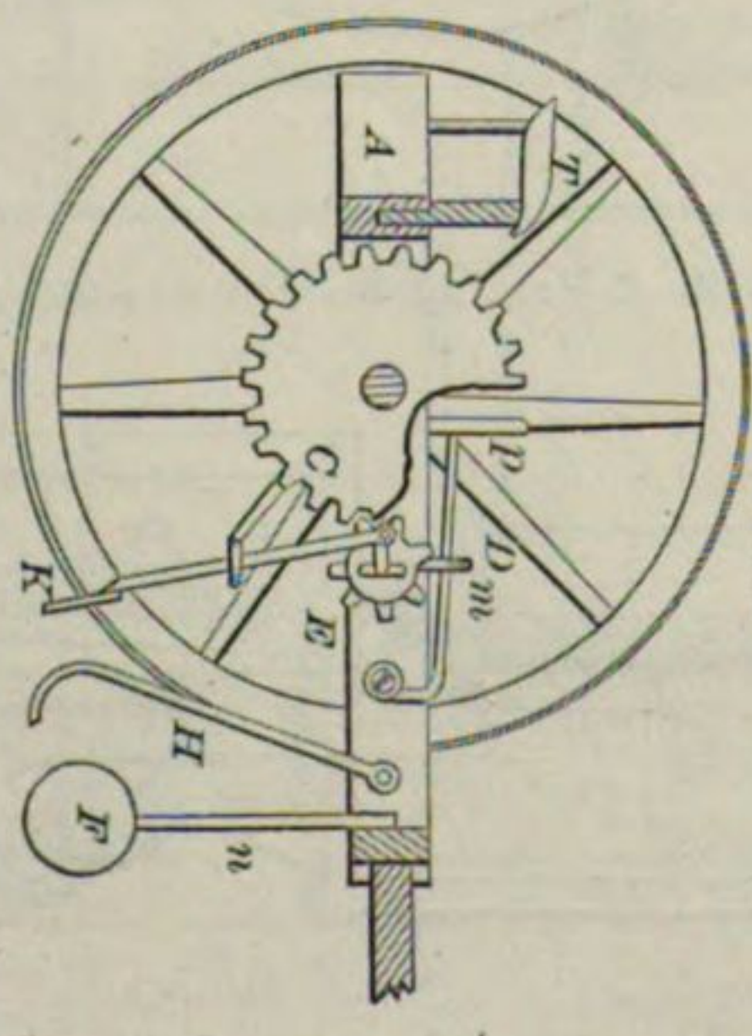
58908—D. I. Stagg—*Seat and Desk.*



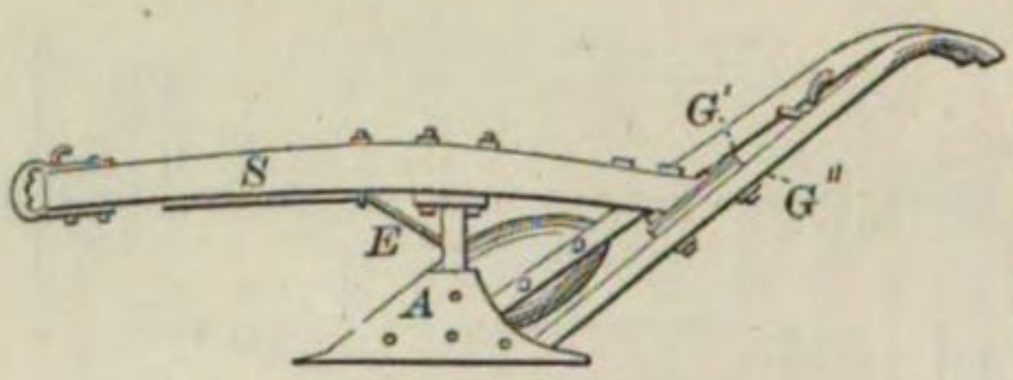
58910—T. Stead—*Railroad Signal.*



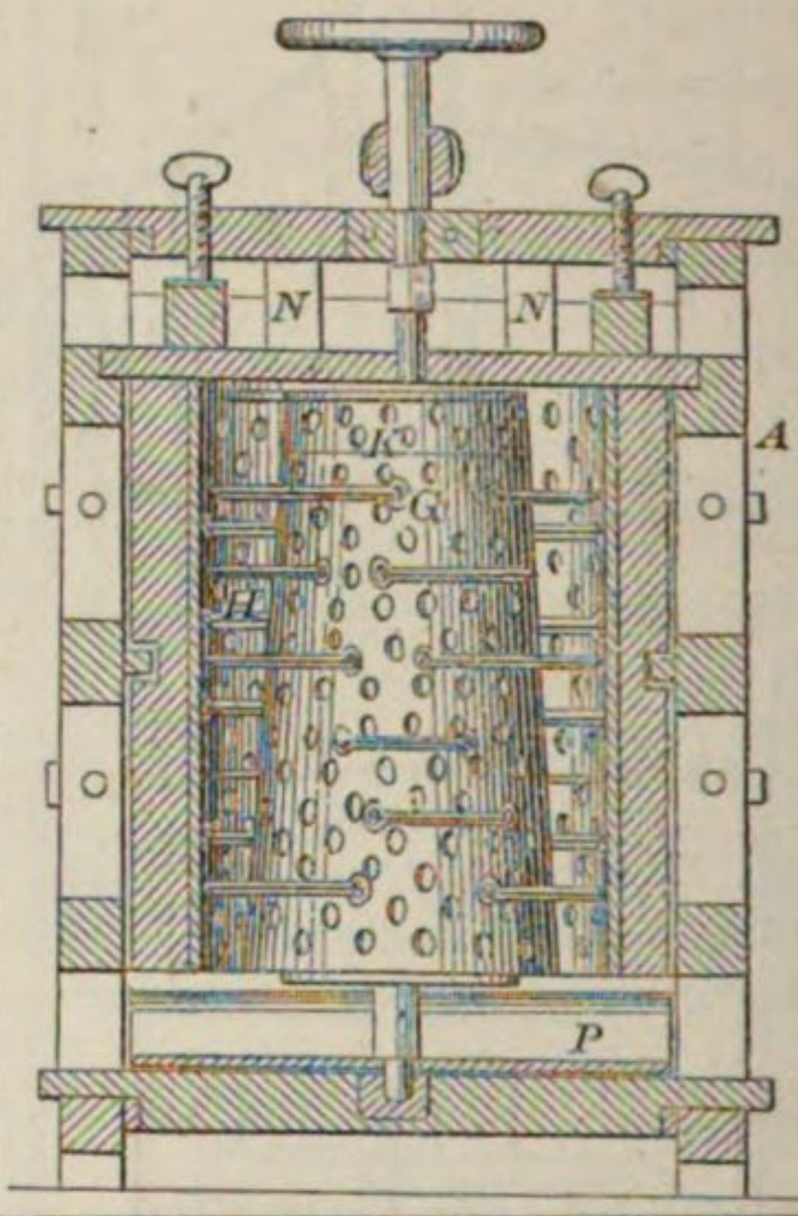
58909—W. F. Starnes—*For Cutting Stalks in the Field.*



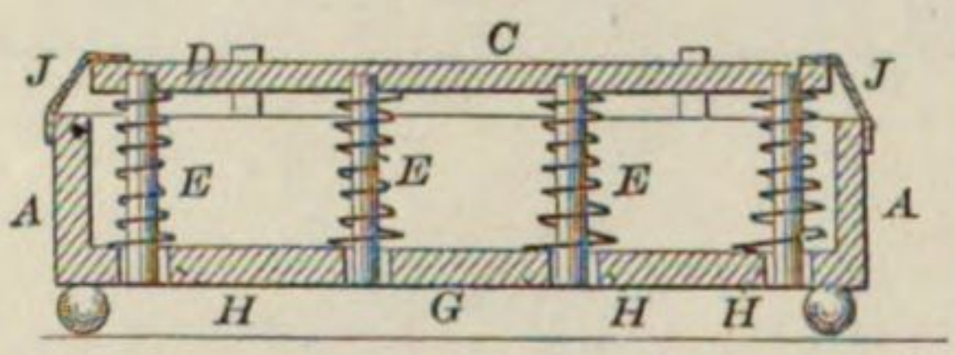
58911—C. St. John—*Plow.*



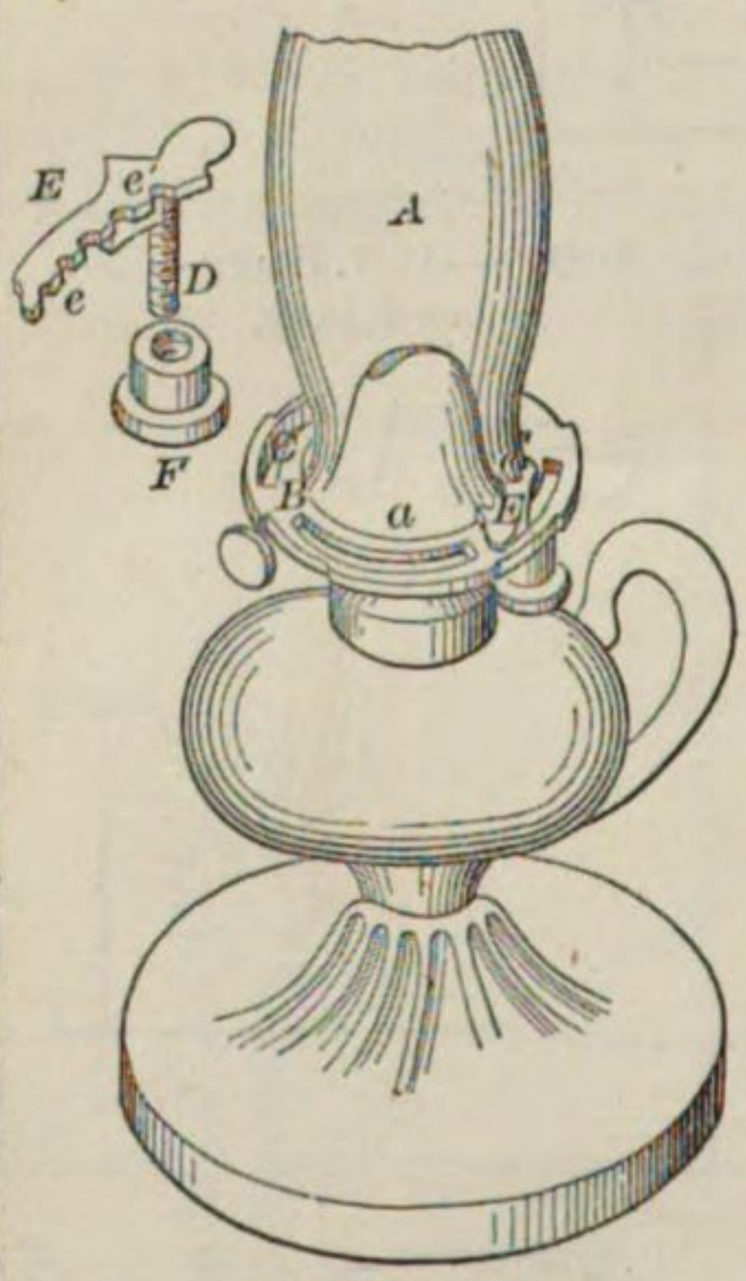
58912—S. Stukey—*For Grinding Cob and Corn.*



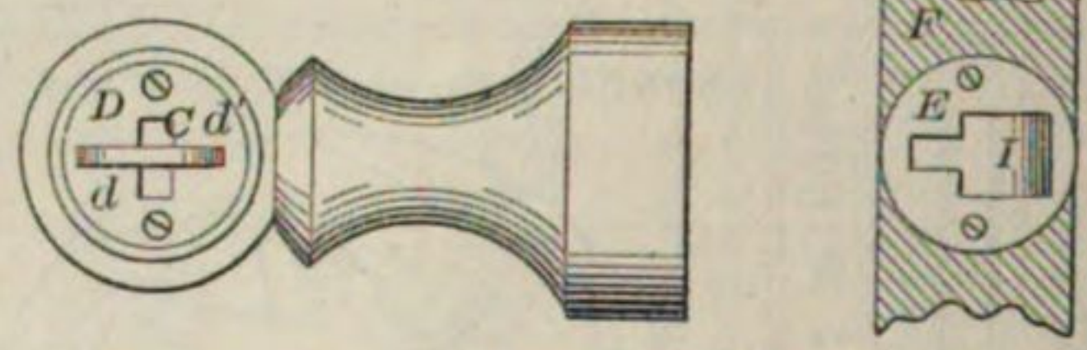
58914—S. H. Tift—*Spring Bedstead.*



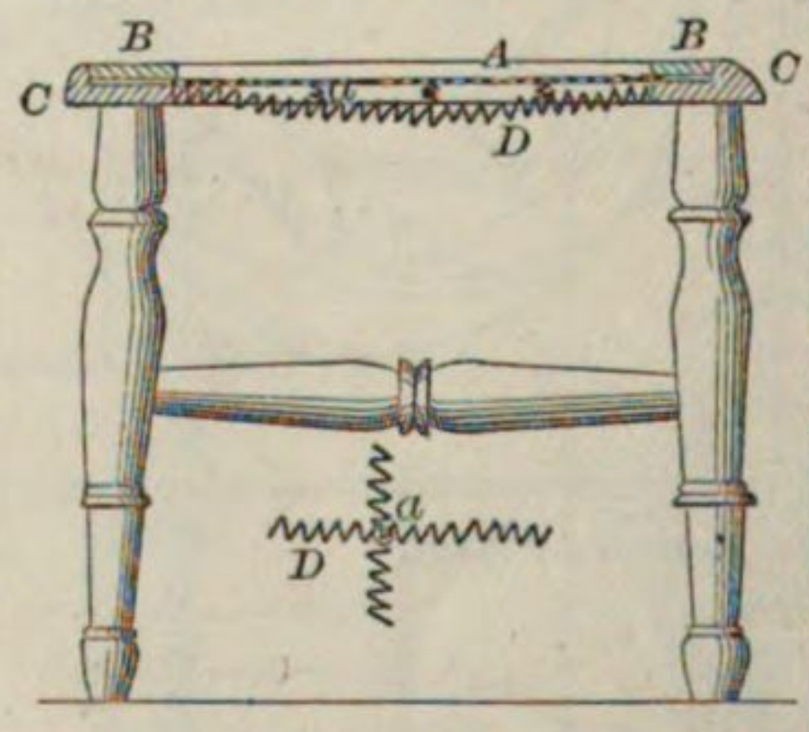
58915—F. J. Tinker—*Lamp Chimney Attachment.*



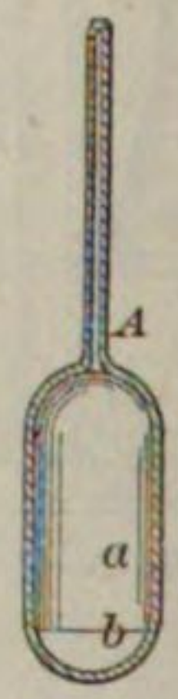
58916—J. Tinkey—*Door Guard.*



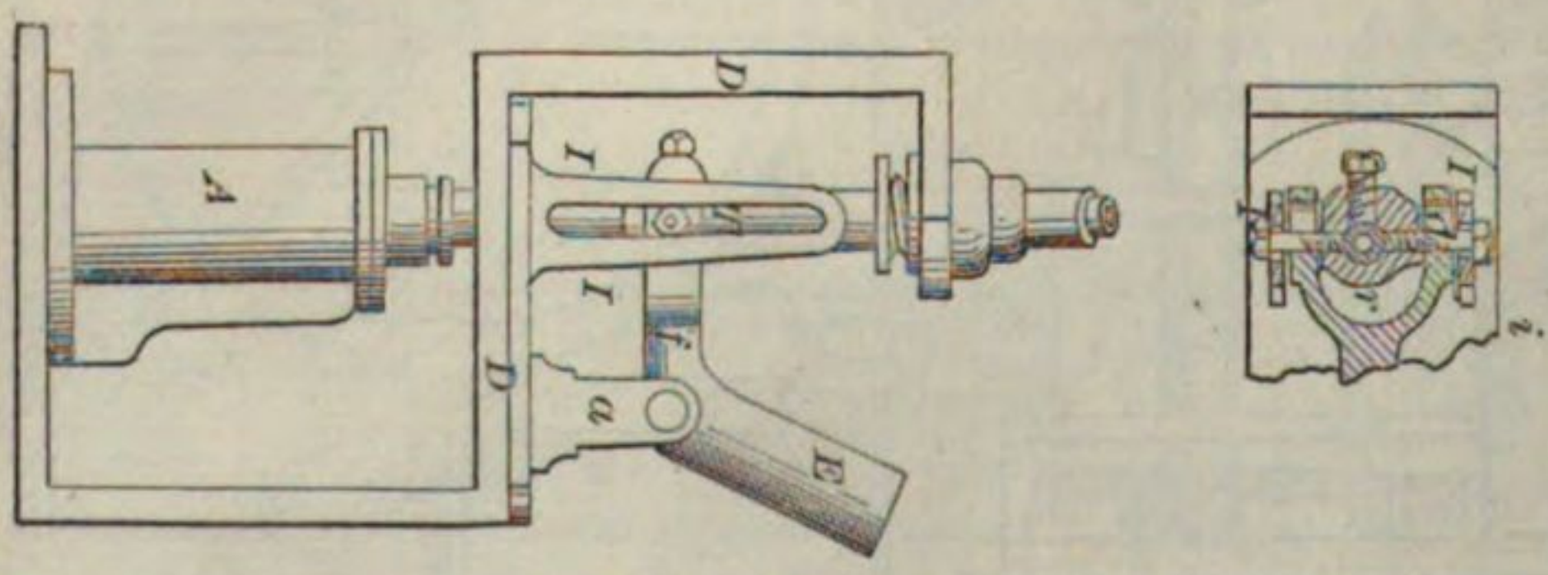
58917—J. Ungerer—*Chair.*



58913—G. Tagliabue—*Hydrometer.*

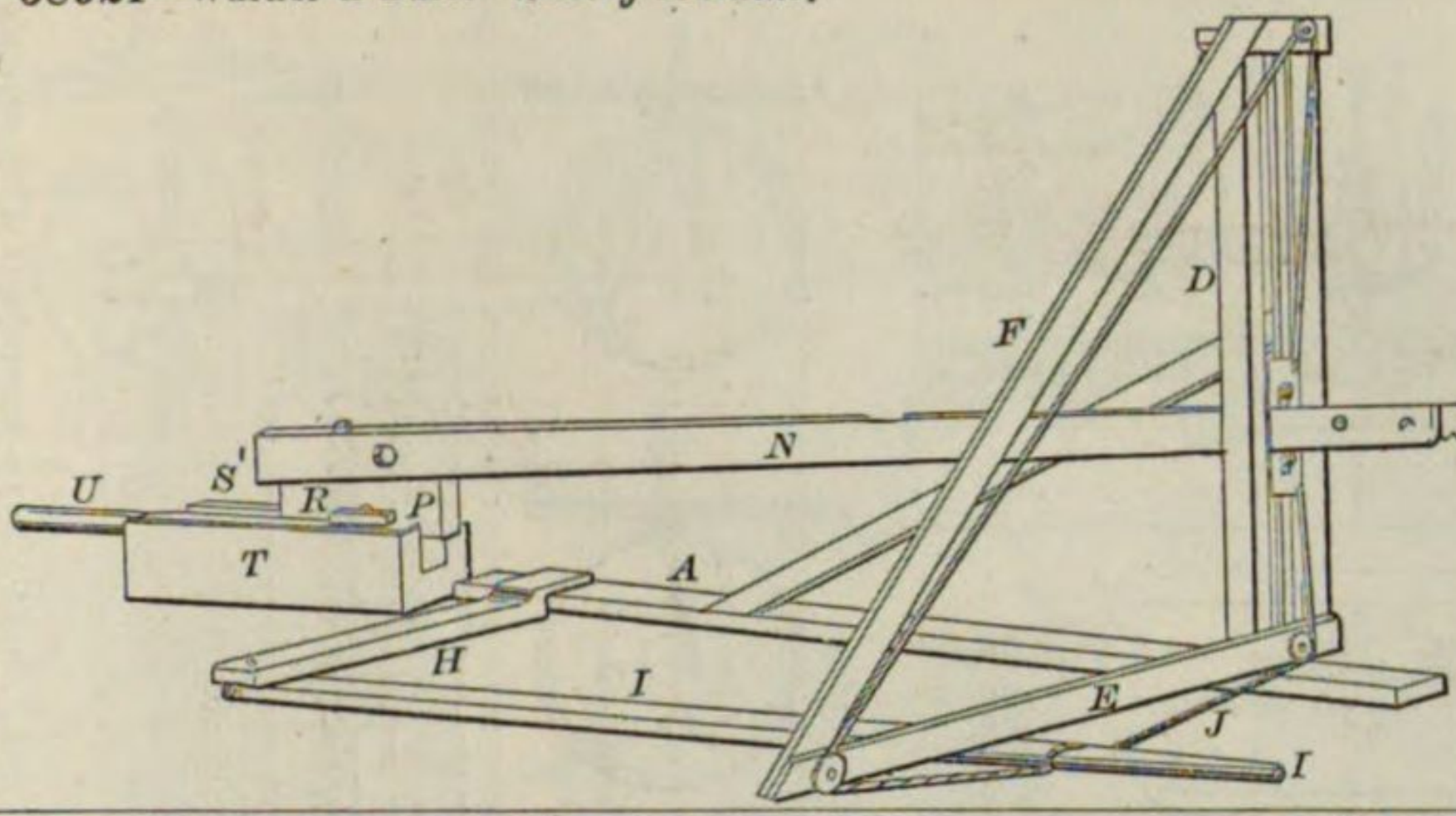


58918—I. Van Olinda—*Communicating Reciprocating Motion to Pumps, &c.*

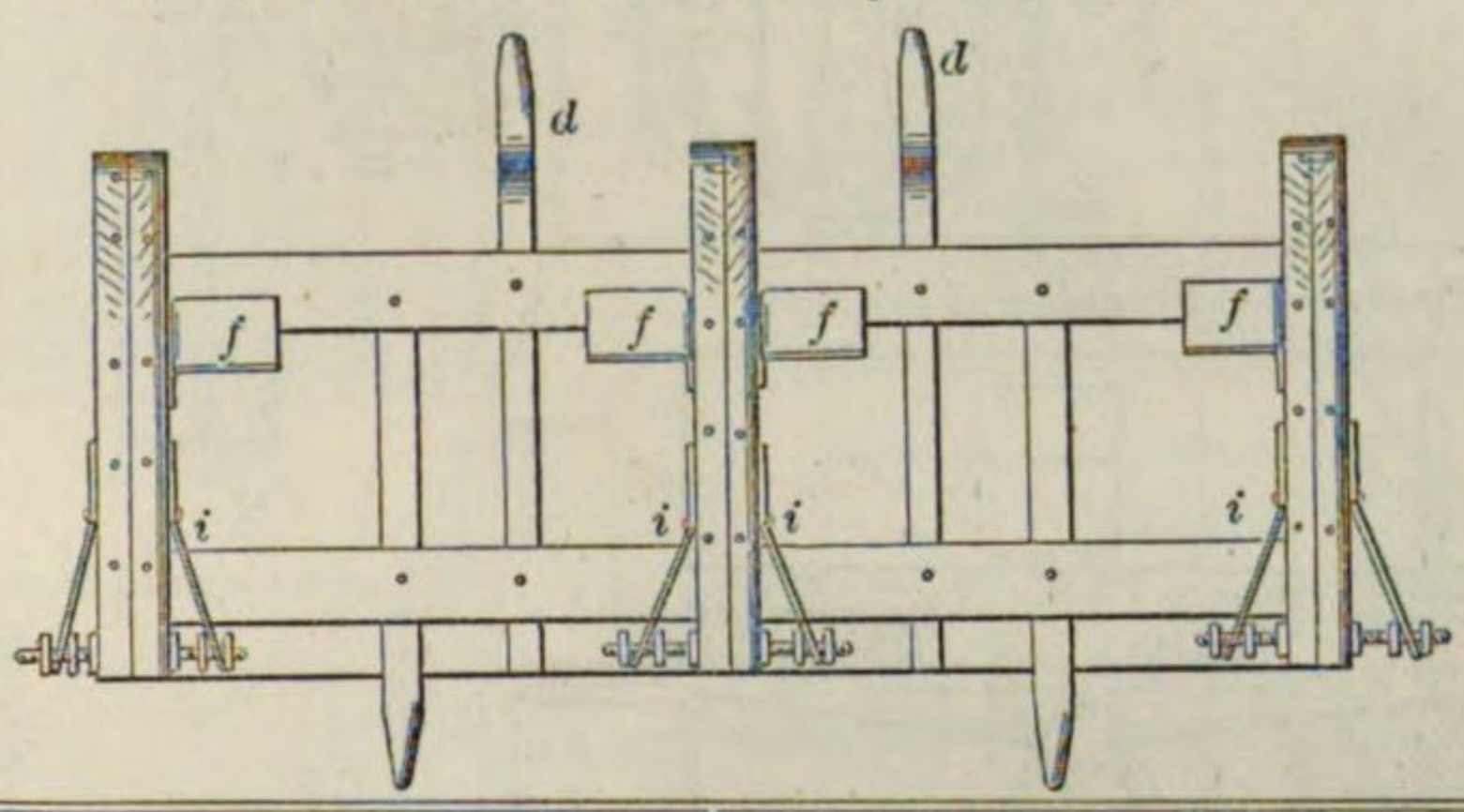


58920—H. N. Walter—*Skirt Elevator.*

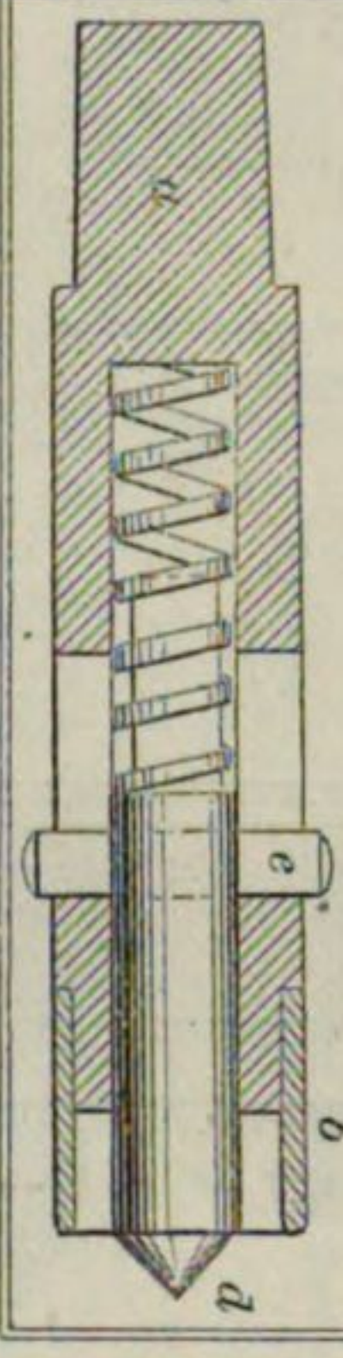
58921—Warner & Bales—*Sawing Machine.*



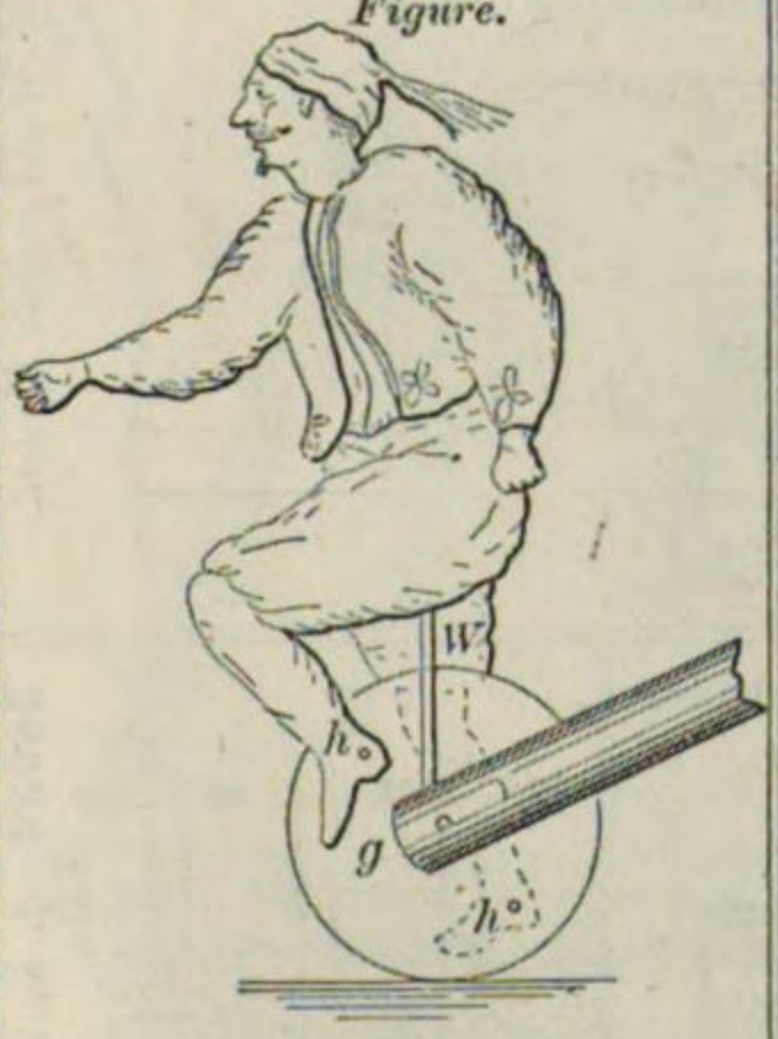
58923—W. H. Warwick—*For Furrowing Corn Ground.*



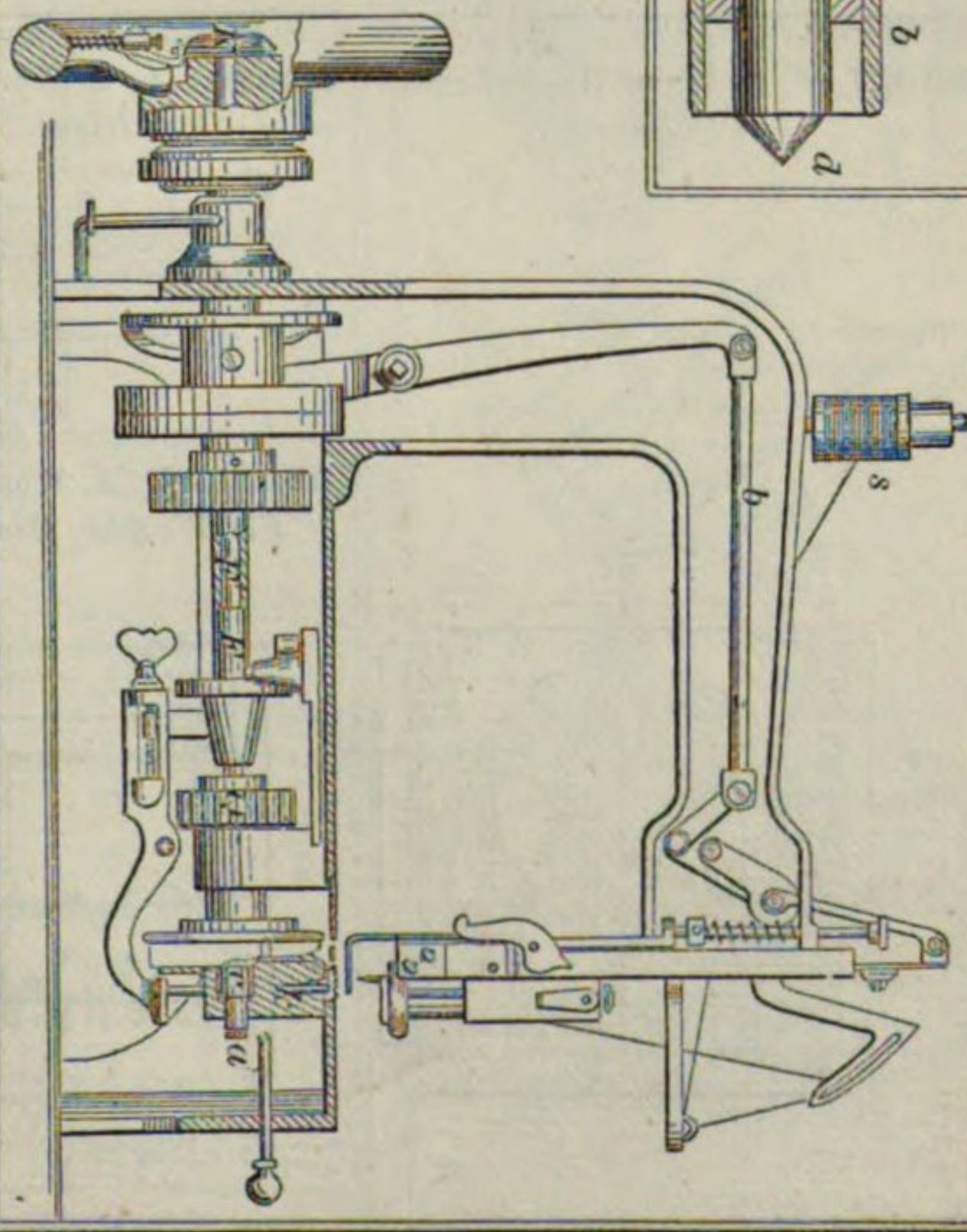
58924—T. L. Webster—*Tube Sheet Cutter.*



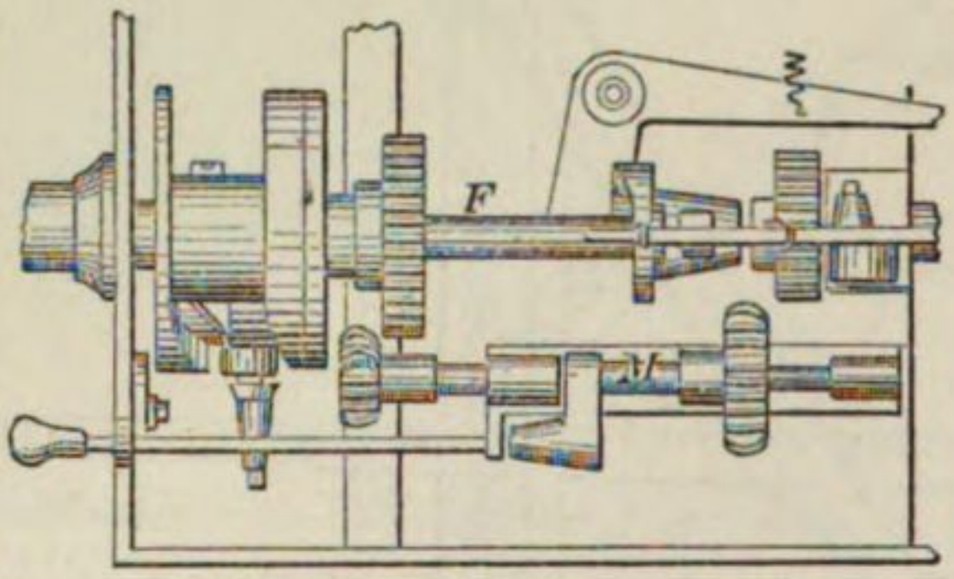
58922—R. Weir—*Toy Walking Figure.*



58925—A. Warth—*Sewing Machine.*



58925—*Continued.*



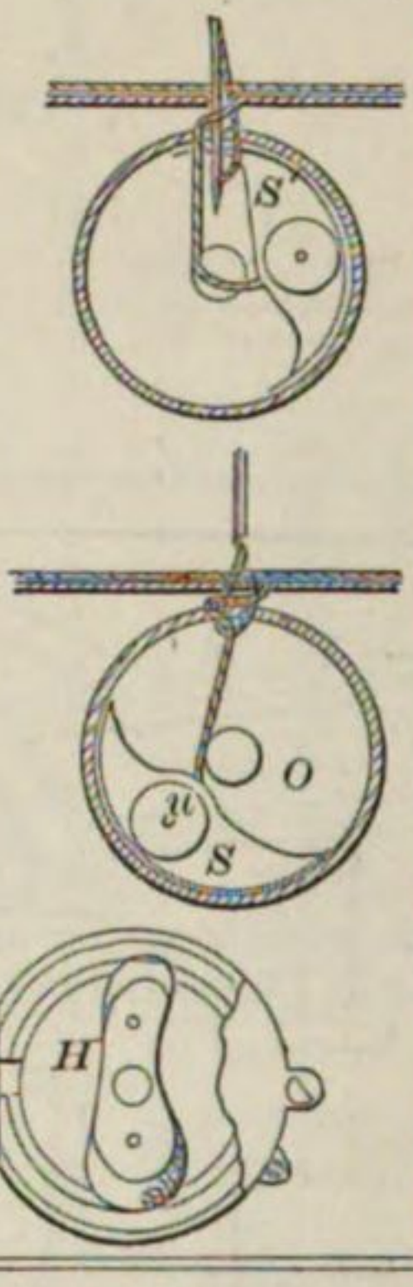


Fig. 20

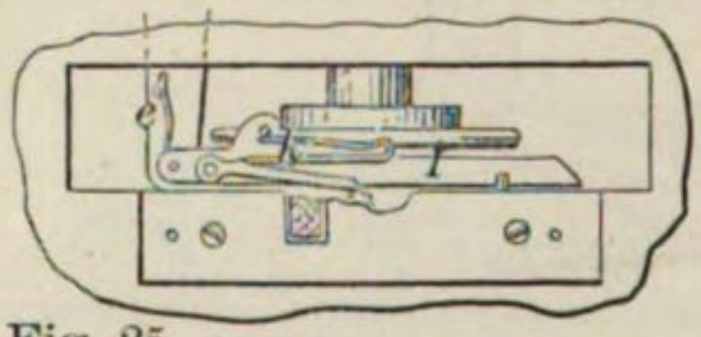
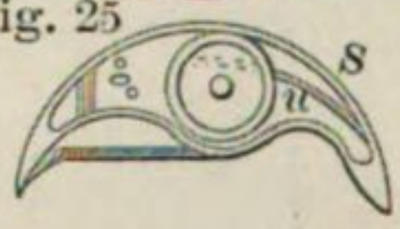
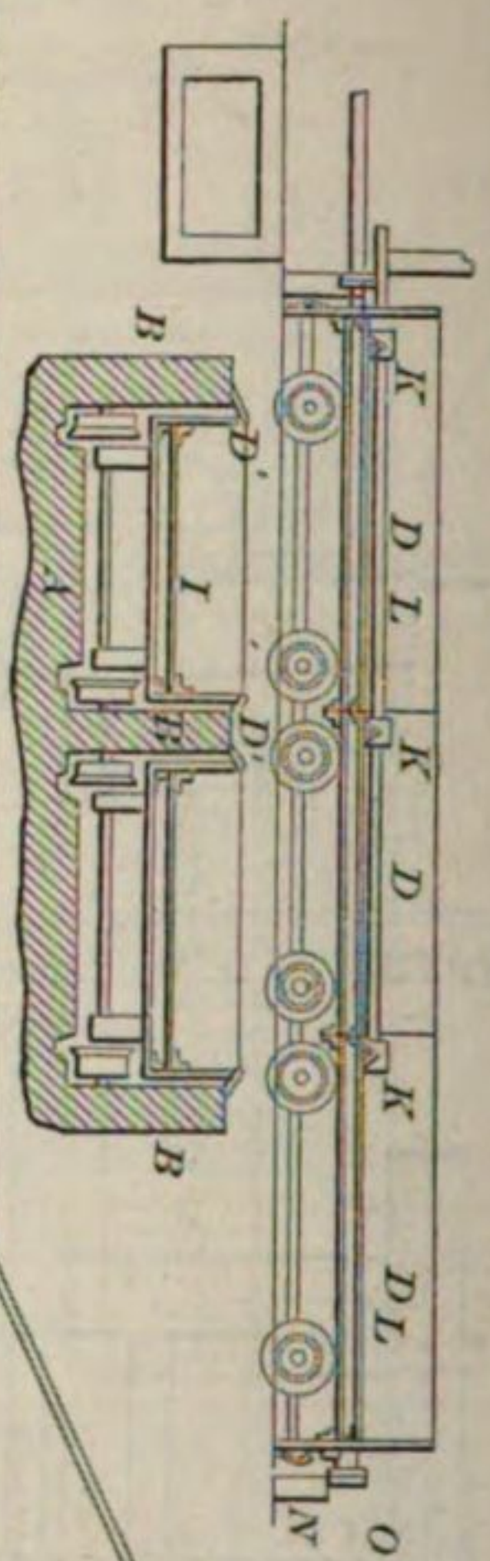


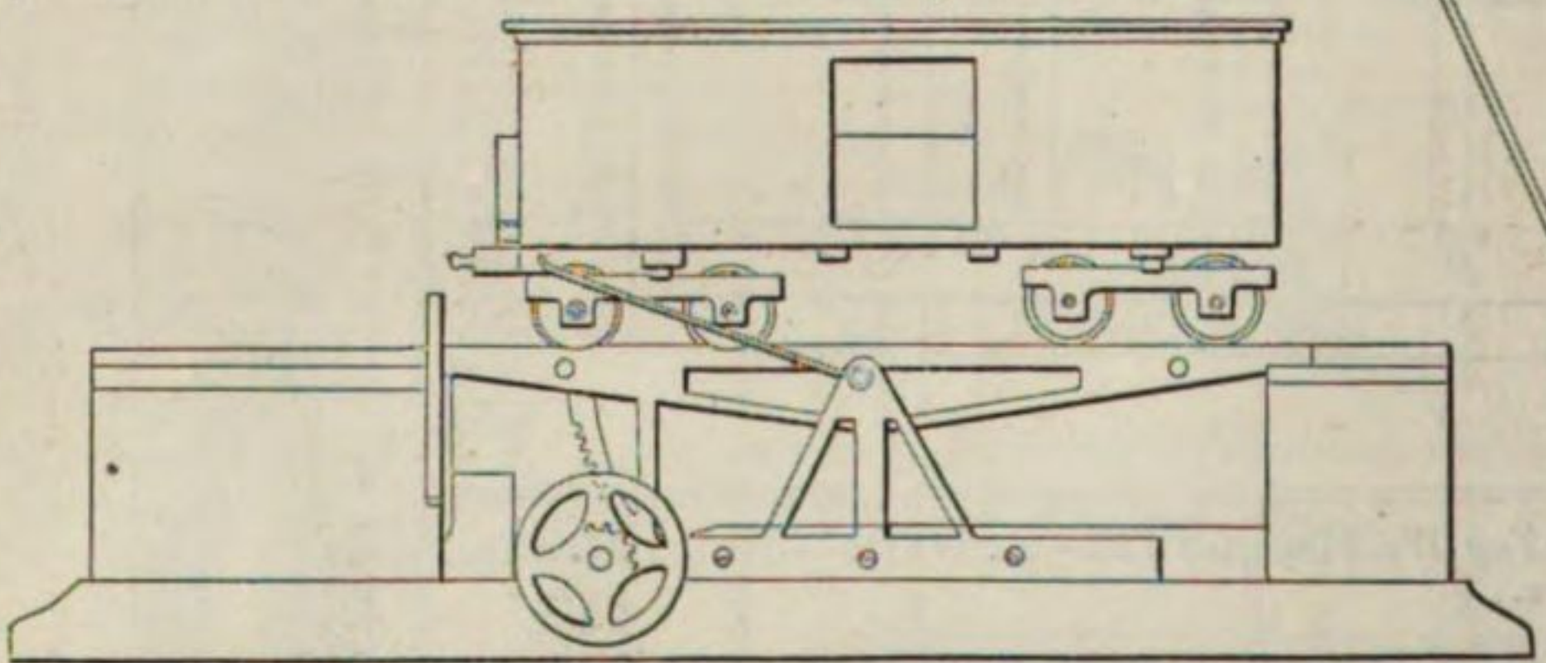
Fig. 25



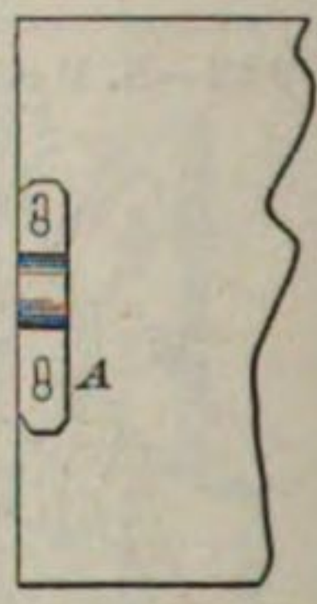
58926—G. Weissenborn—*For Drying Peat.*



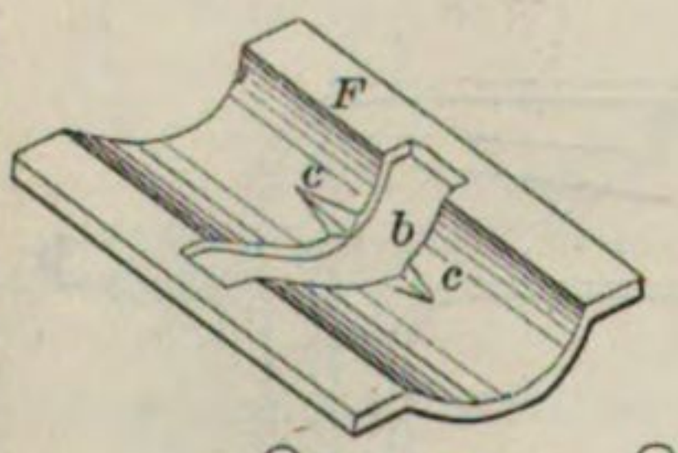
58928—D. J. Whittemore—*For Unloading Grain Cars.*

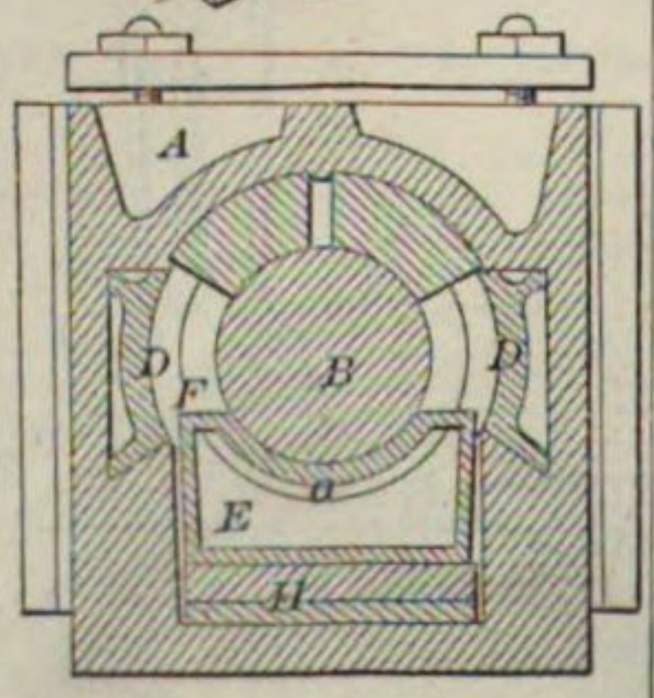


58929—G. M. Wood—*Bolt Keeper.*

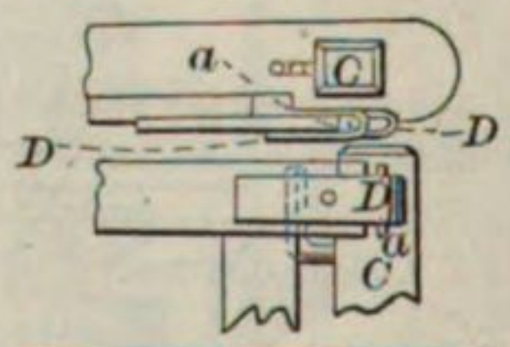


58927—I. P. Wendell—*Railroad Car Box.*

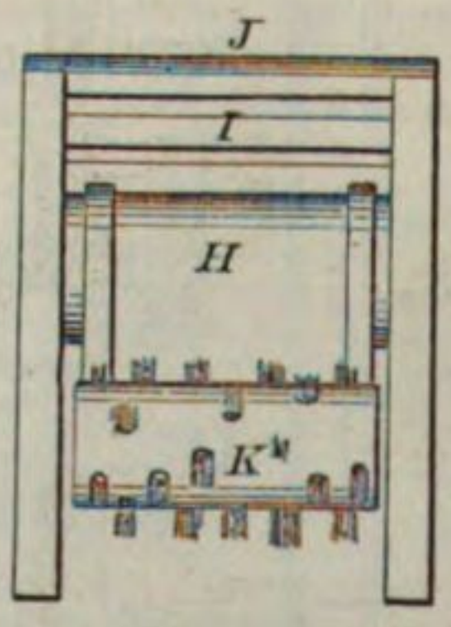




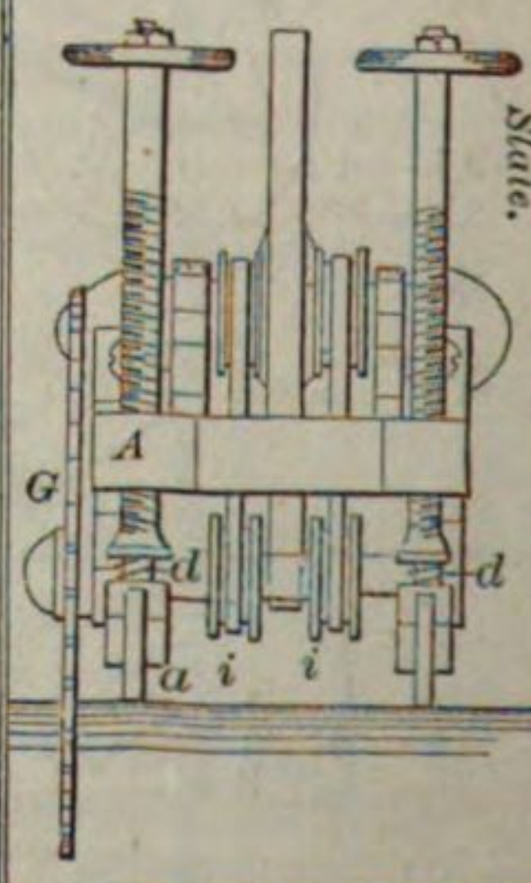
58930—L. E. Woodard—*Gate Hinge.*



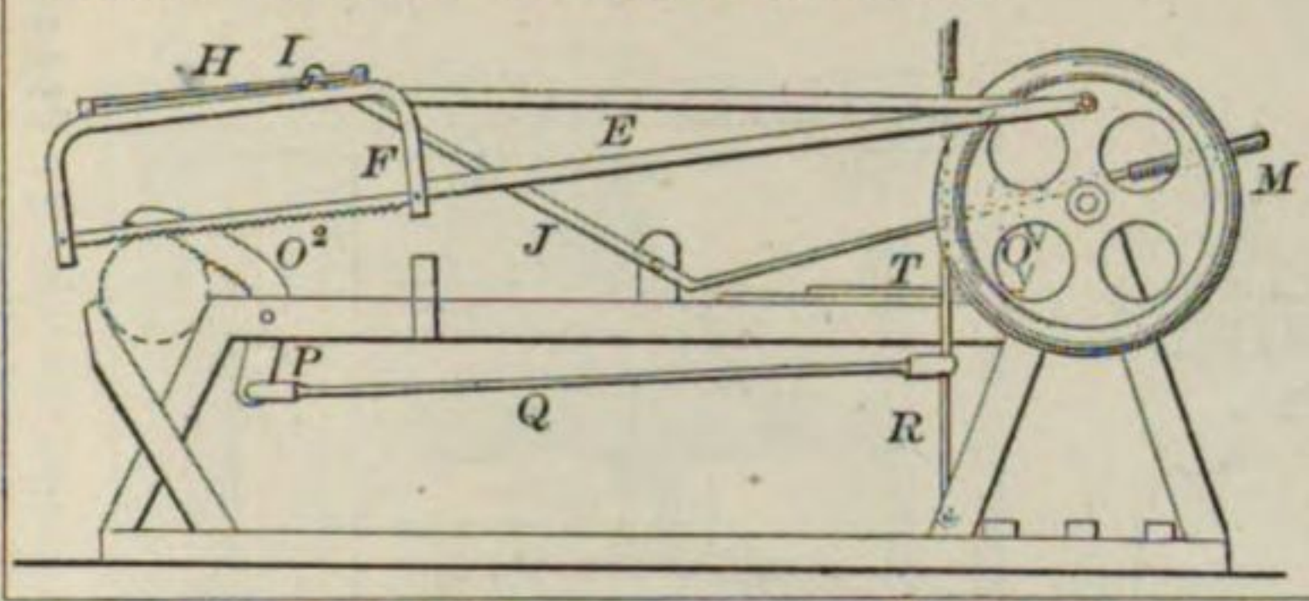
58931—M. A. Woodside—*For Washing Ores.*



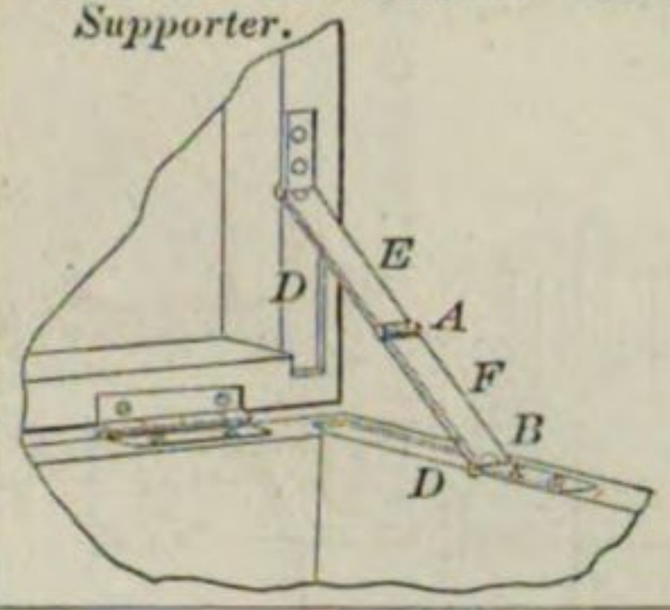
58932—J. E. Wootten—*For Quarrying Slate.*



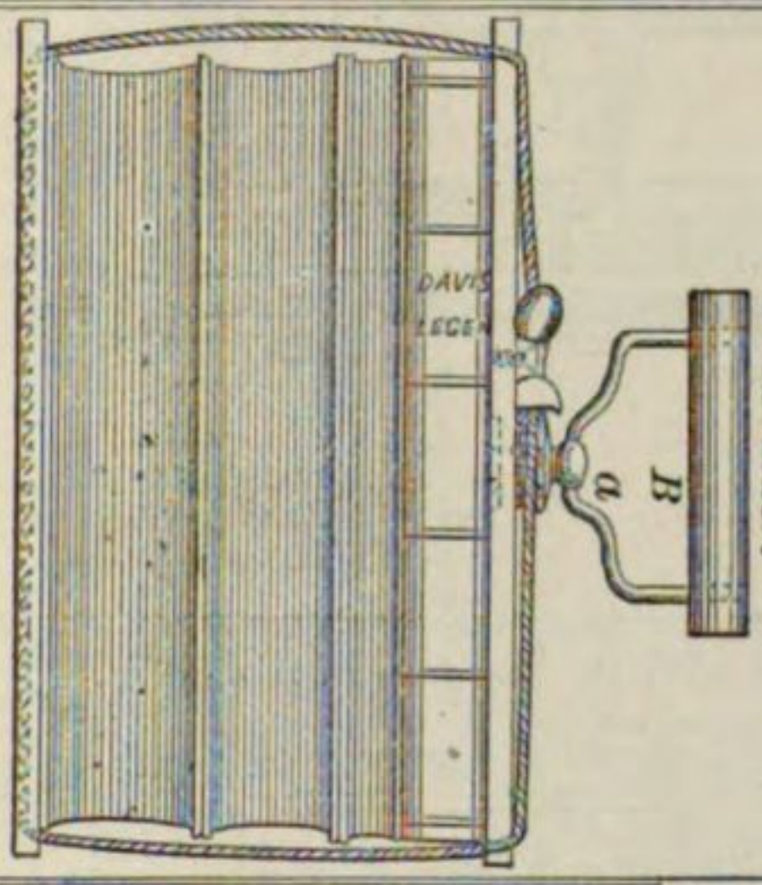
58933—I. Allard—*Wood Sawing Machine.*



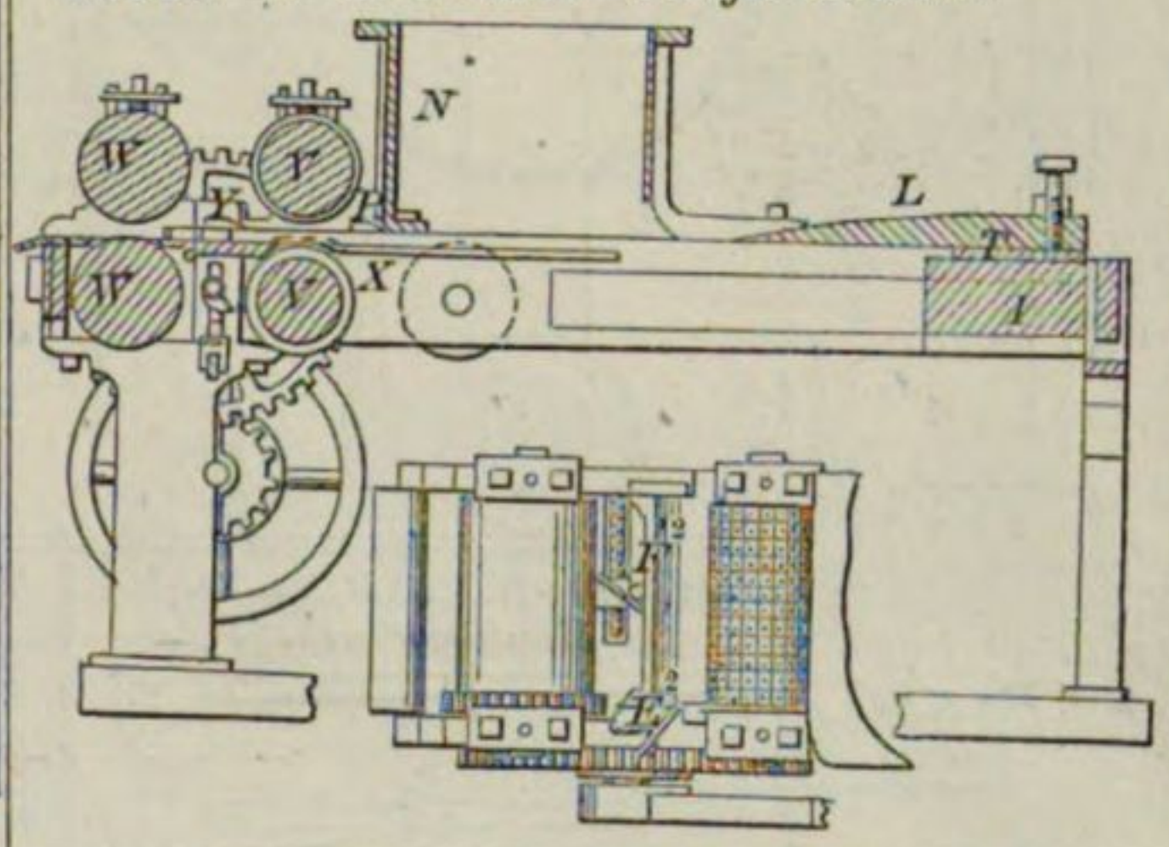
58936—J. C. Barlow—*Lid Supporter.*



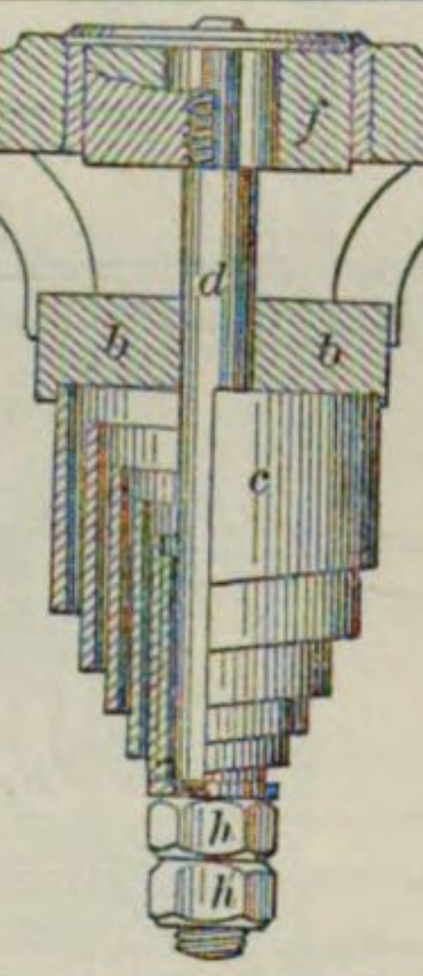
58940—T. Goodrum—*School Boys' Bookbinder.*



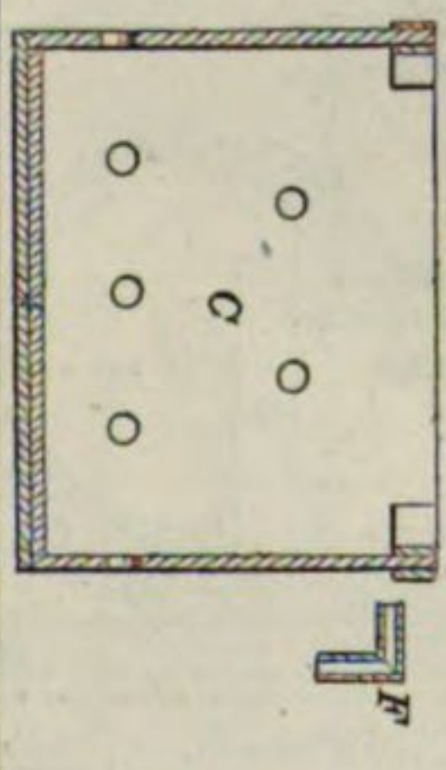
58938—A. M. Connett—*Shingle Machine.*



58934—H. Anderson—*Steam Generator Safety Valve.*

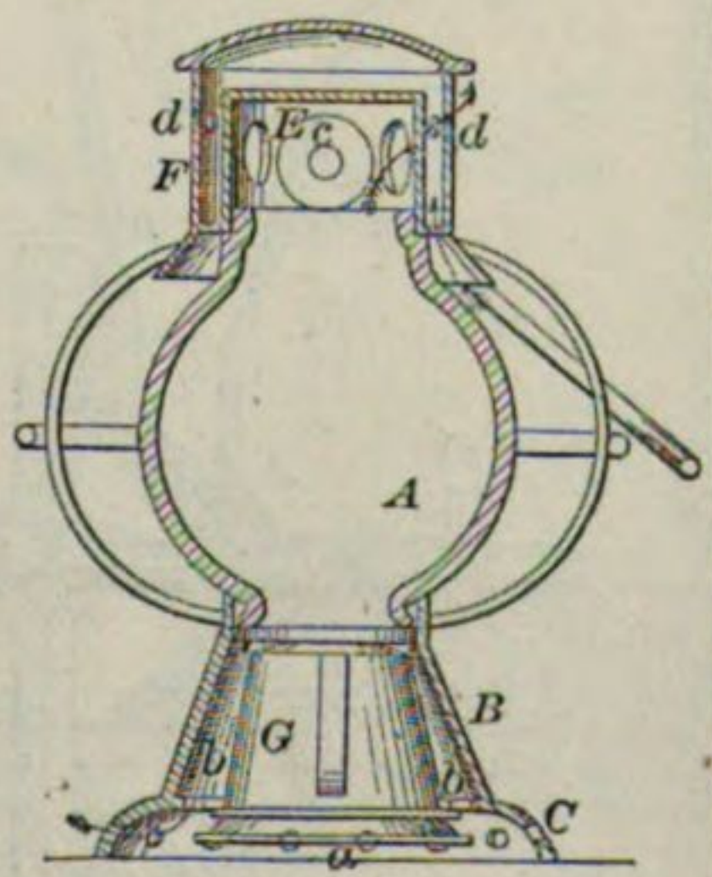


58939—W. H. Earle—*Fruit Box.*



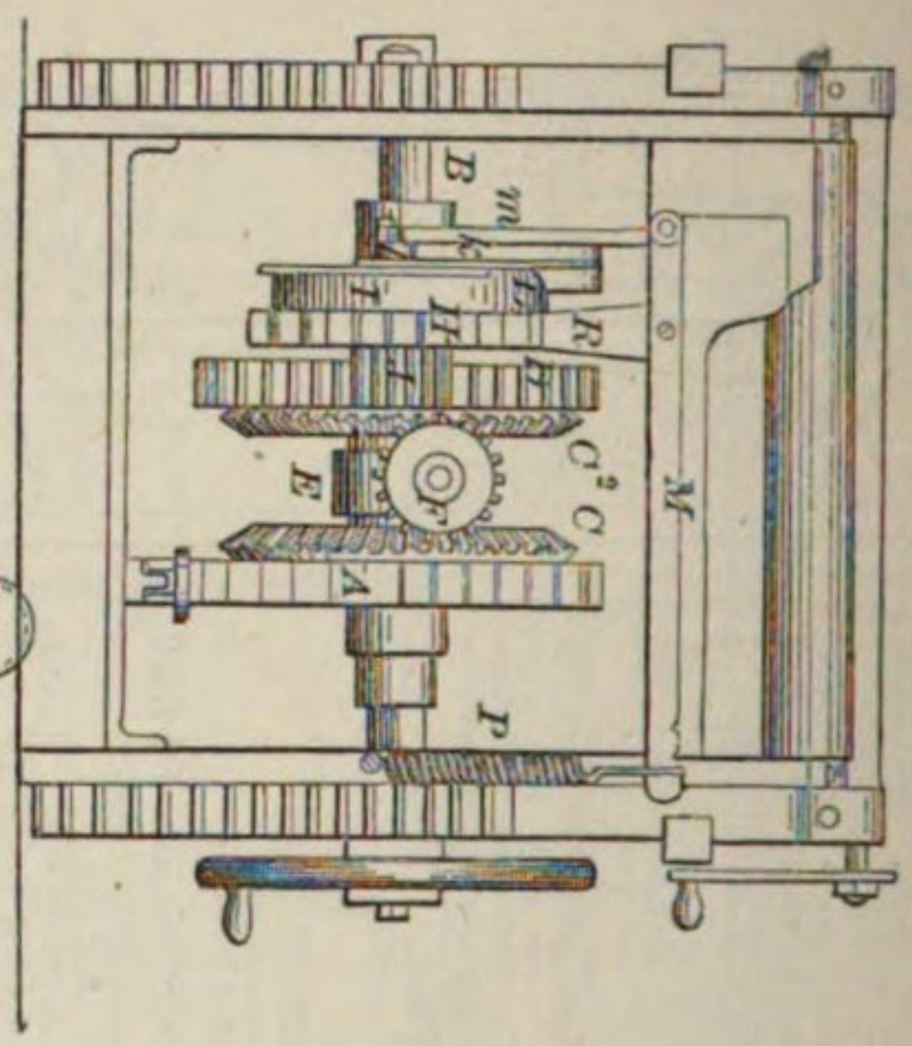
58937—G. W. Briggs—*Magazine Fire Arm.*

58942—J. O. Harris—*Lantern.*

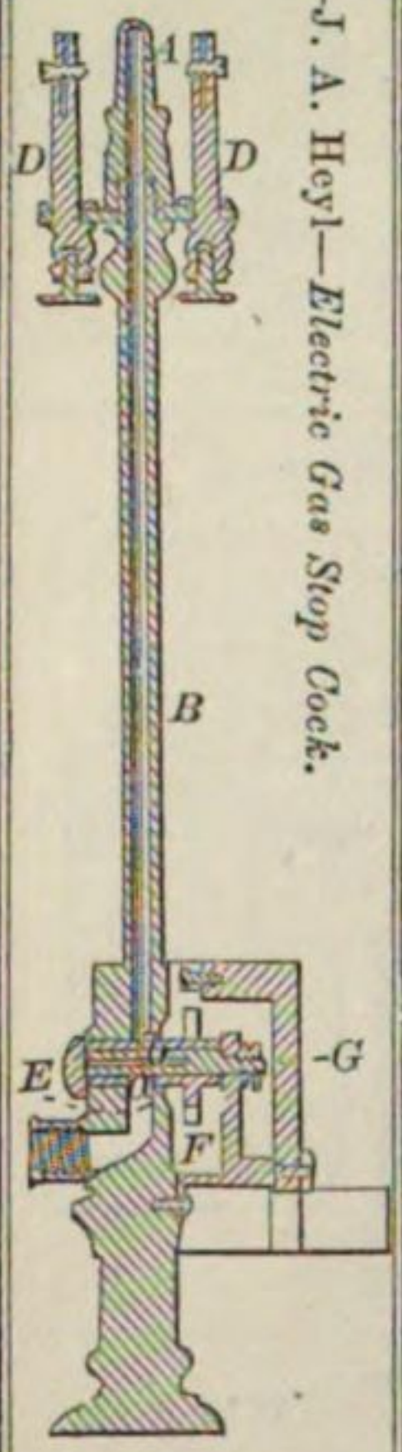


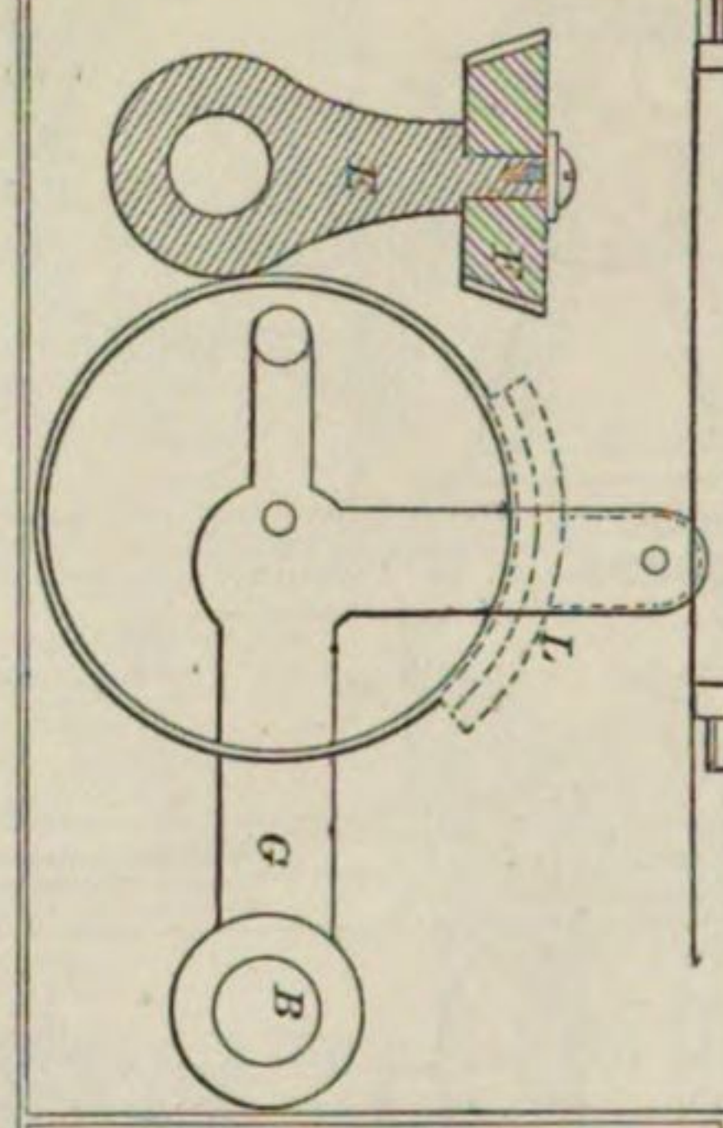
58941—Haueisen, Wagner & Nulsen—*Brick Kiln.*

58945—D. Hussey—*Brake for Cotton Lappers.*

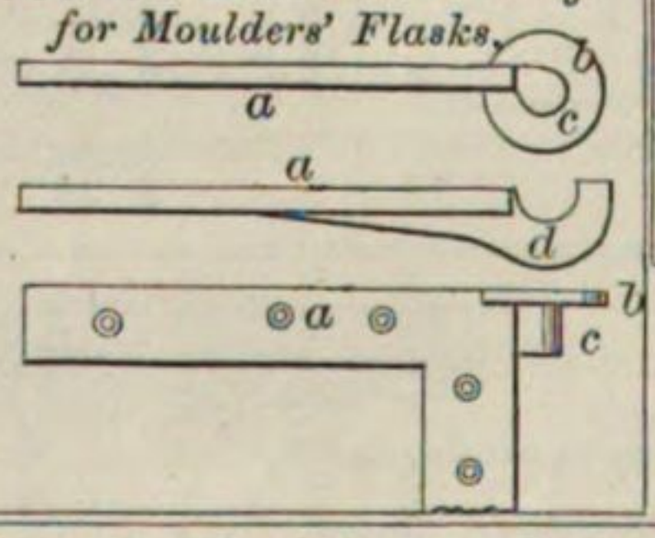


58943—J. A. Heyl—*Electric Gas Stop Cock.*

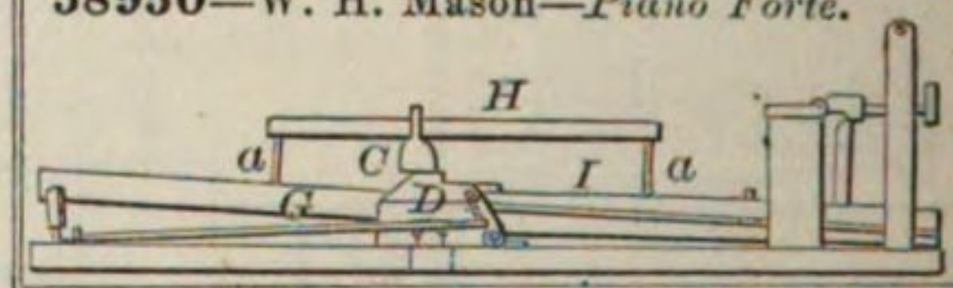




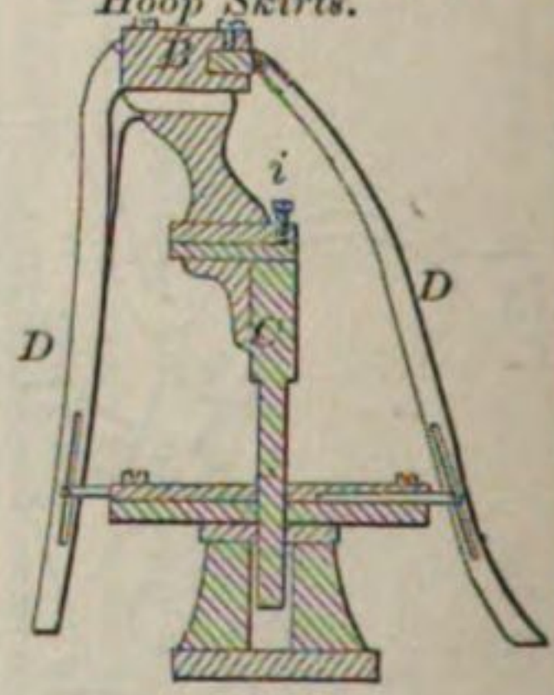
58948—E. C. Little—*Hinge for Moulders' Flasks.*



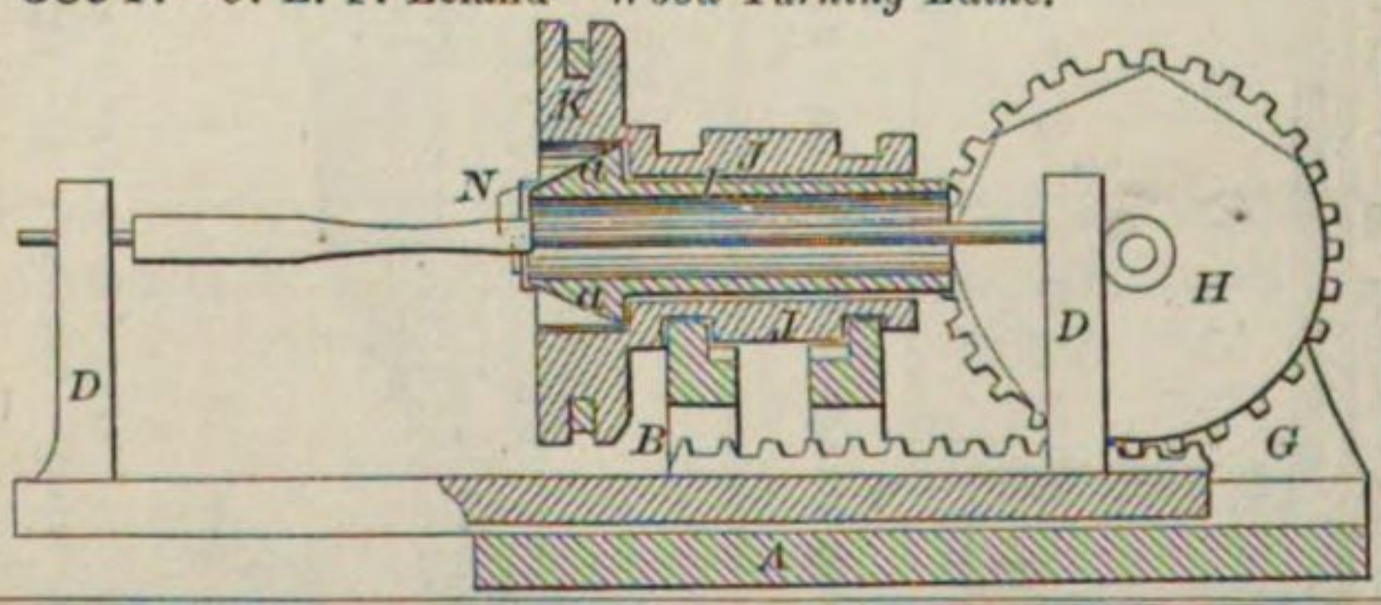
58950—W. H. Mason—*Piano Forte.*



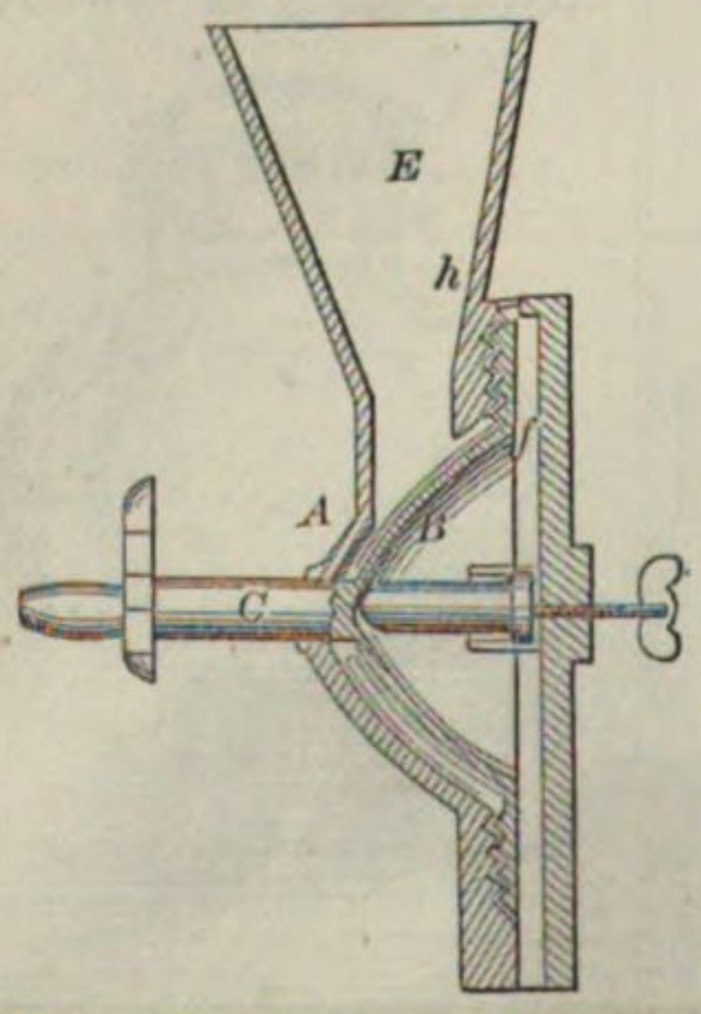
58949—H. S. Loper—*Adjustable Frame for Hoop Skirts.*



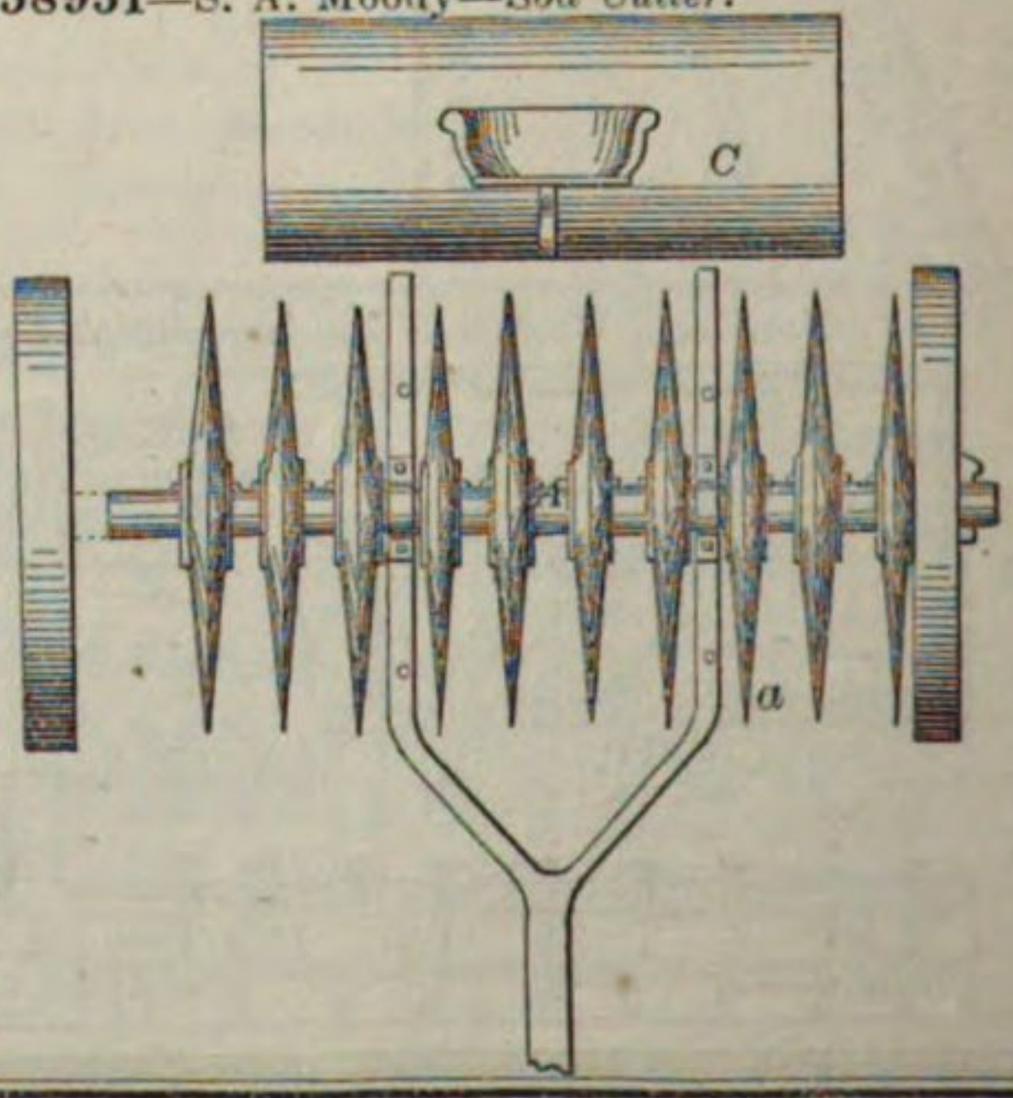
58947—J. E. F. Leland—*Wood Turning Lathe.*



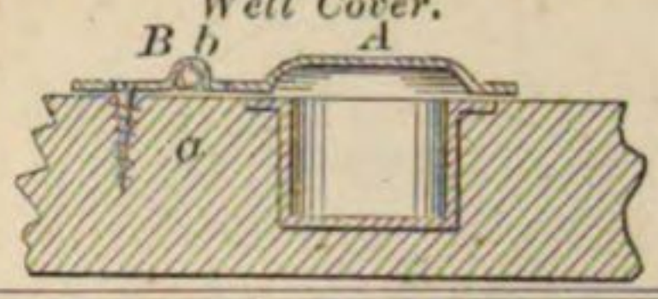
58946—J. G. Lane—*Coffee Mill.*



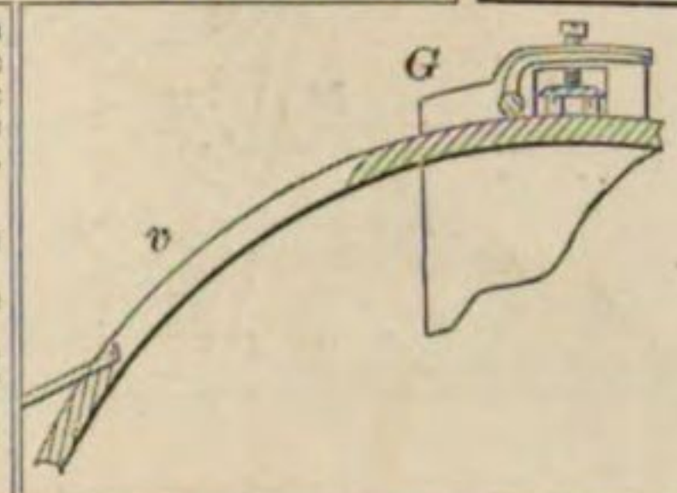
58951—S. A. Moody—*Sod Cutter.*



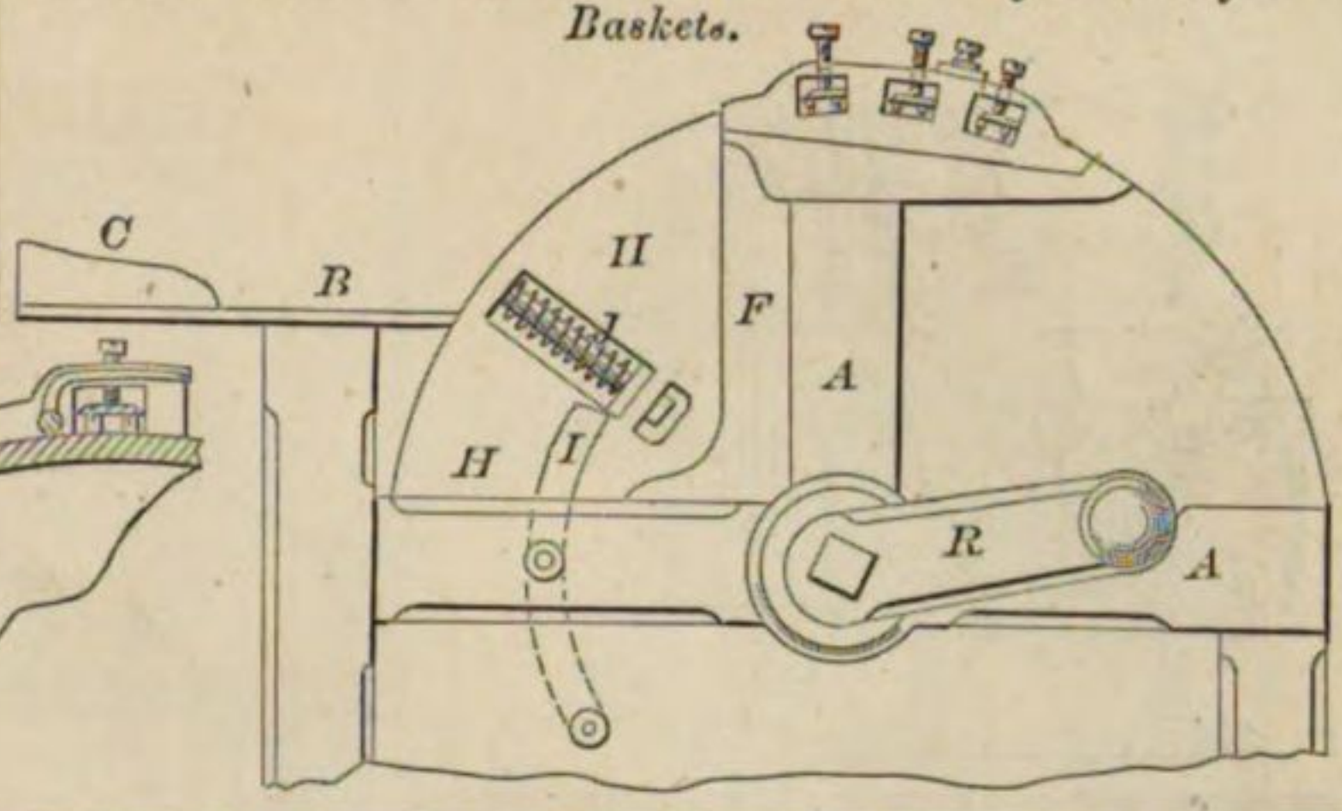
58952—G. Munger—*Ink Well Cover.*



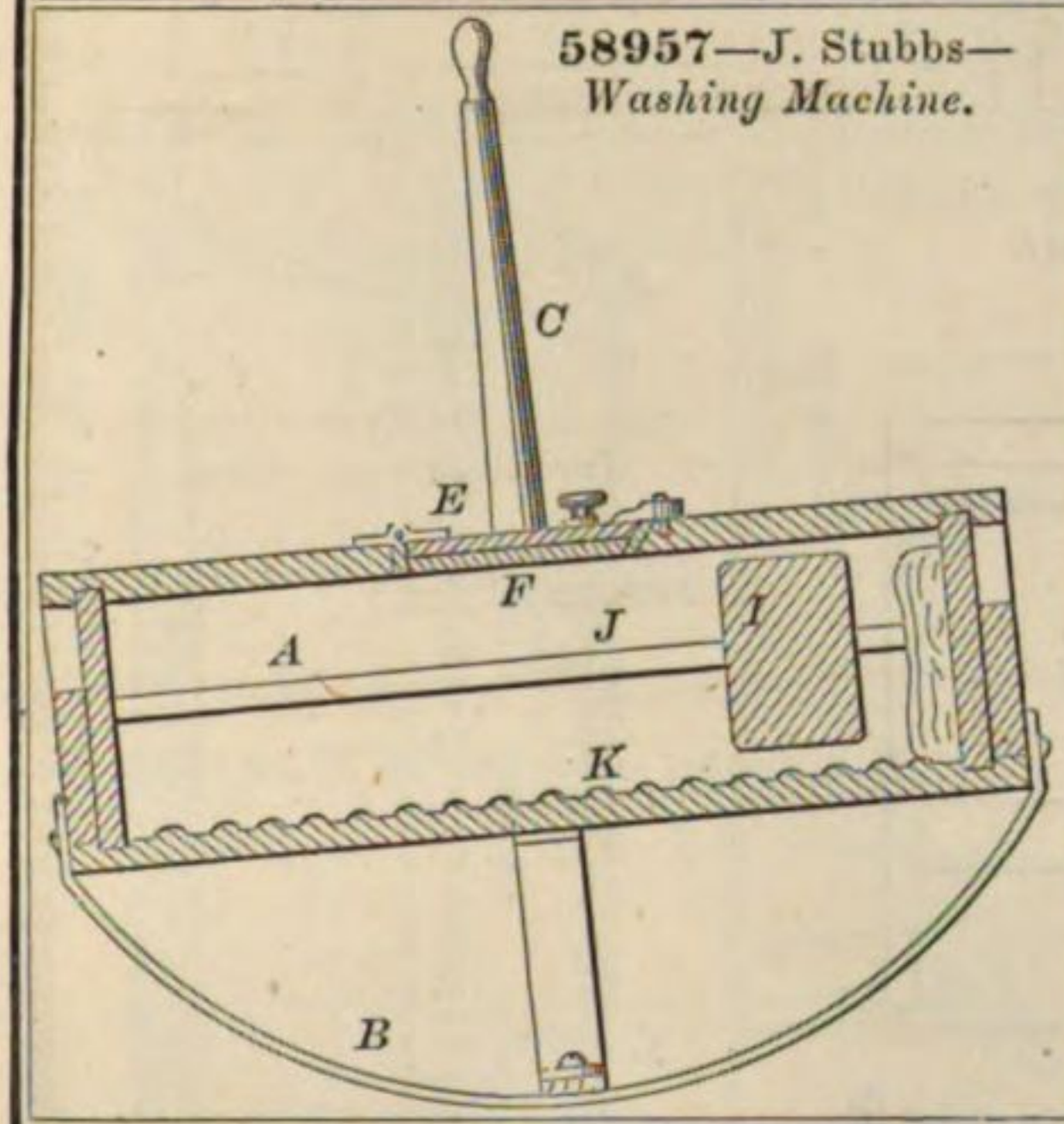
58954—S. J. Shaw—*Eyeleted Brace.*



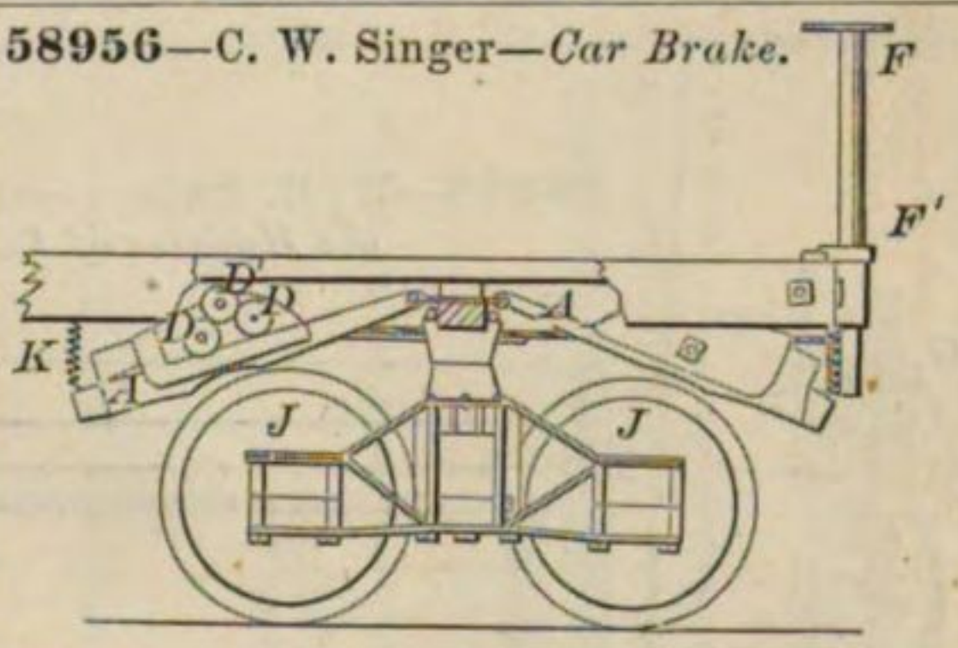
58958—Root & H. & E. Colt—*For Dressing Willow for Baskets.*



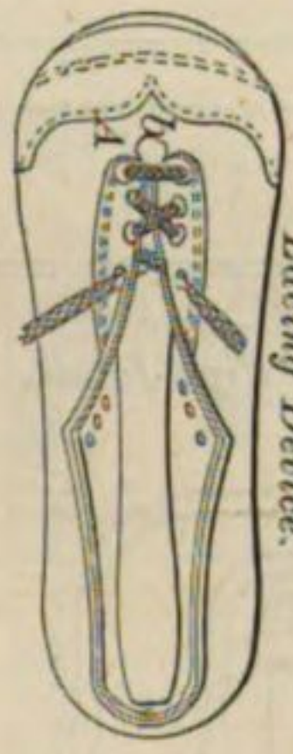
58957—J. Stubbs—*Washing Machine.*



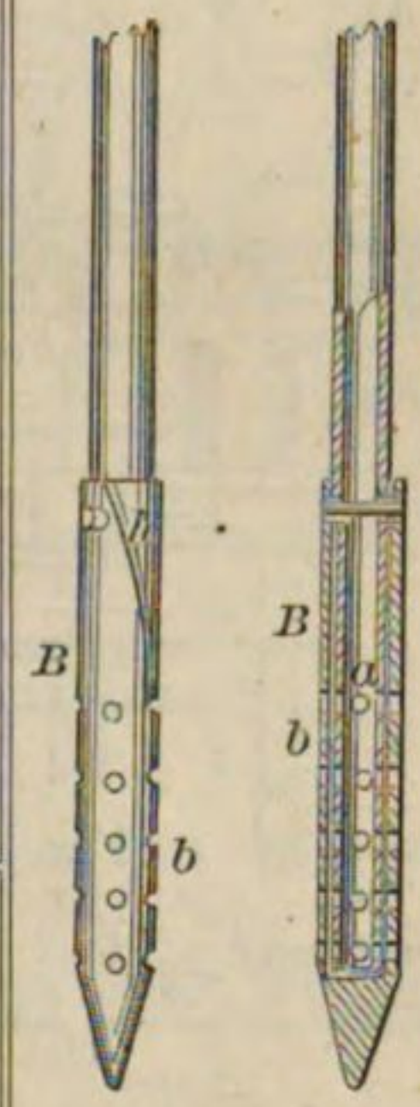
58956—C. W. Singer—*Car Brake.*



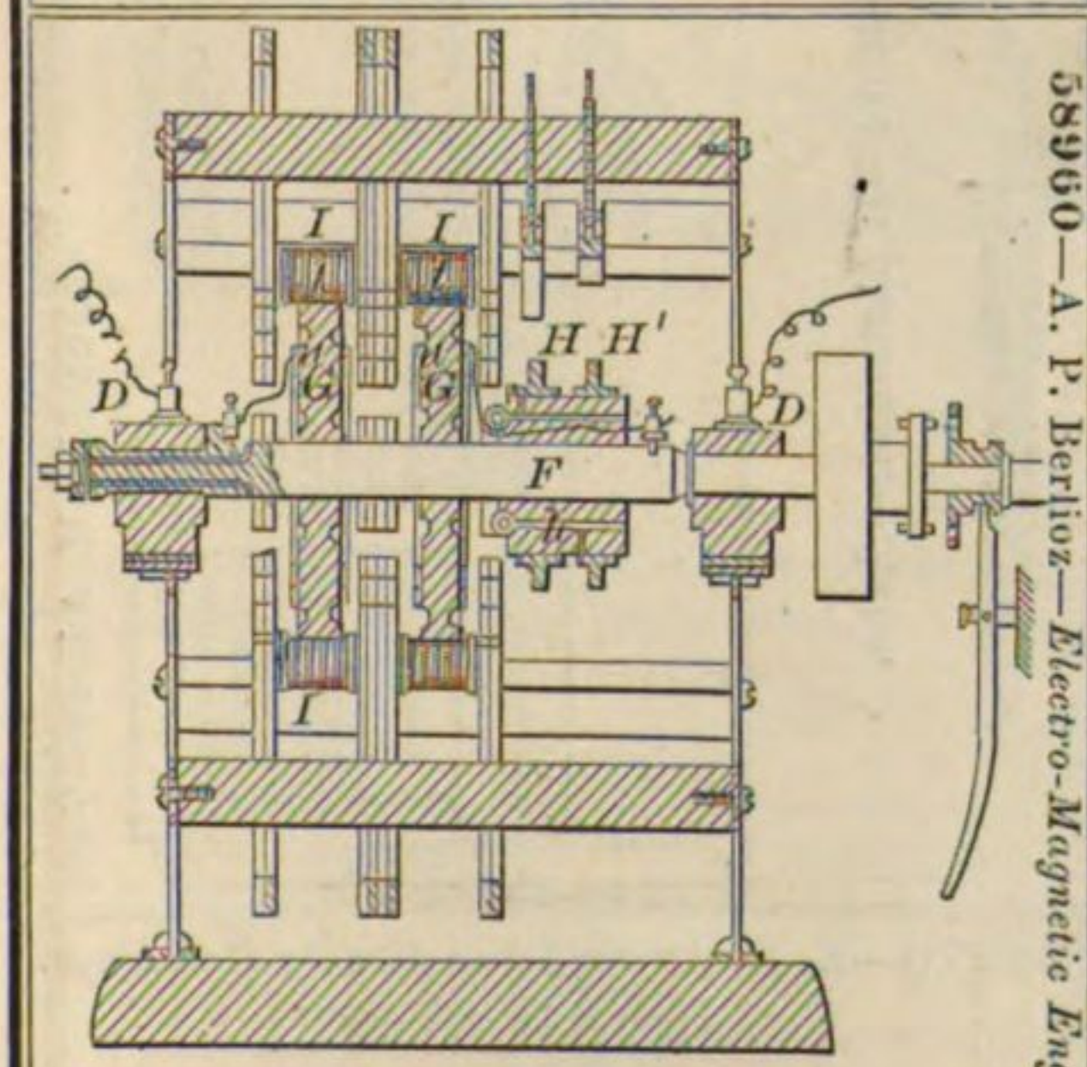
58955—Shaw & Worcester—*Brace and Lacing Device.*

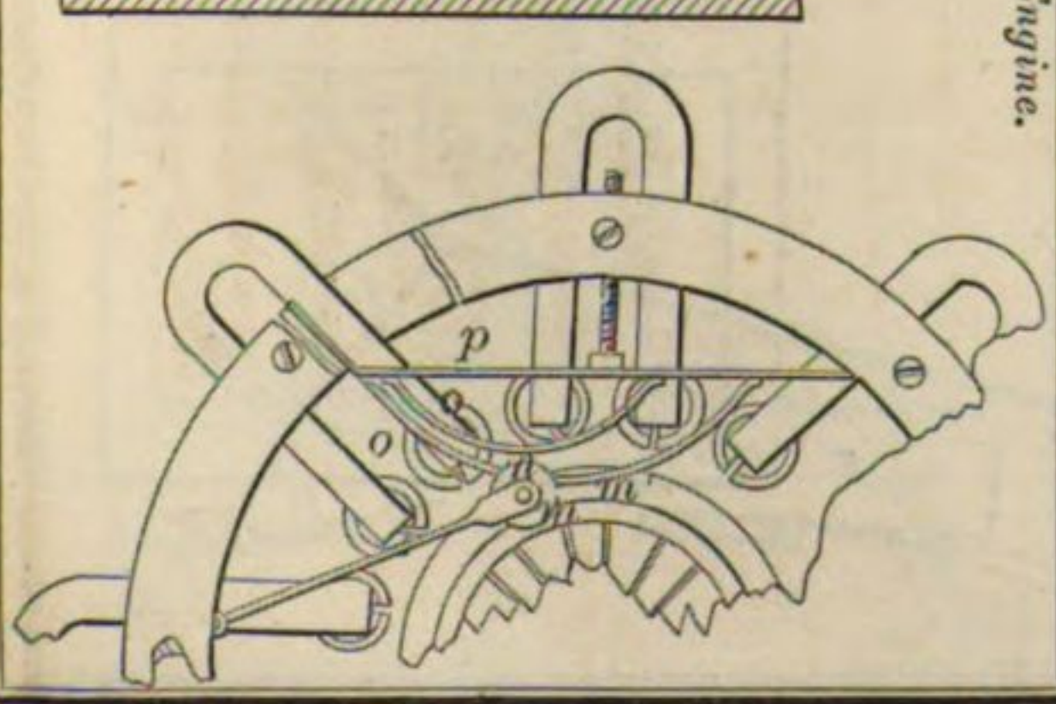


58953—R. T. Osgood—*For Sinking Well Tubing.*

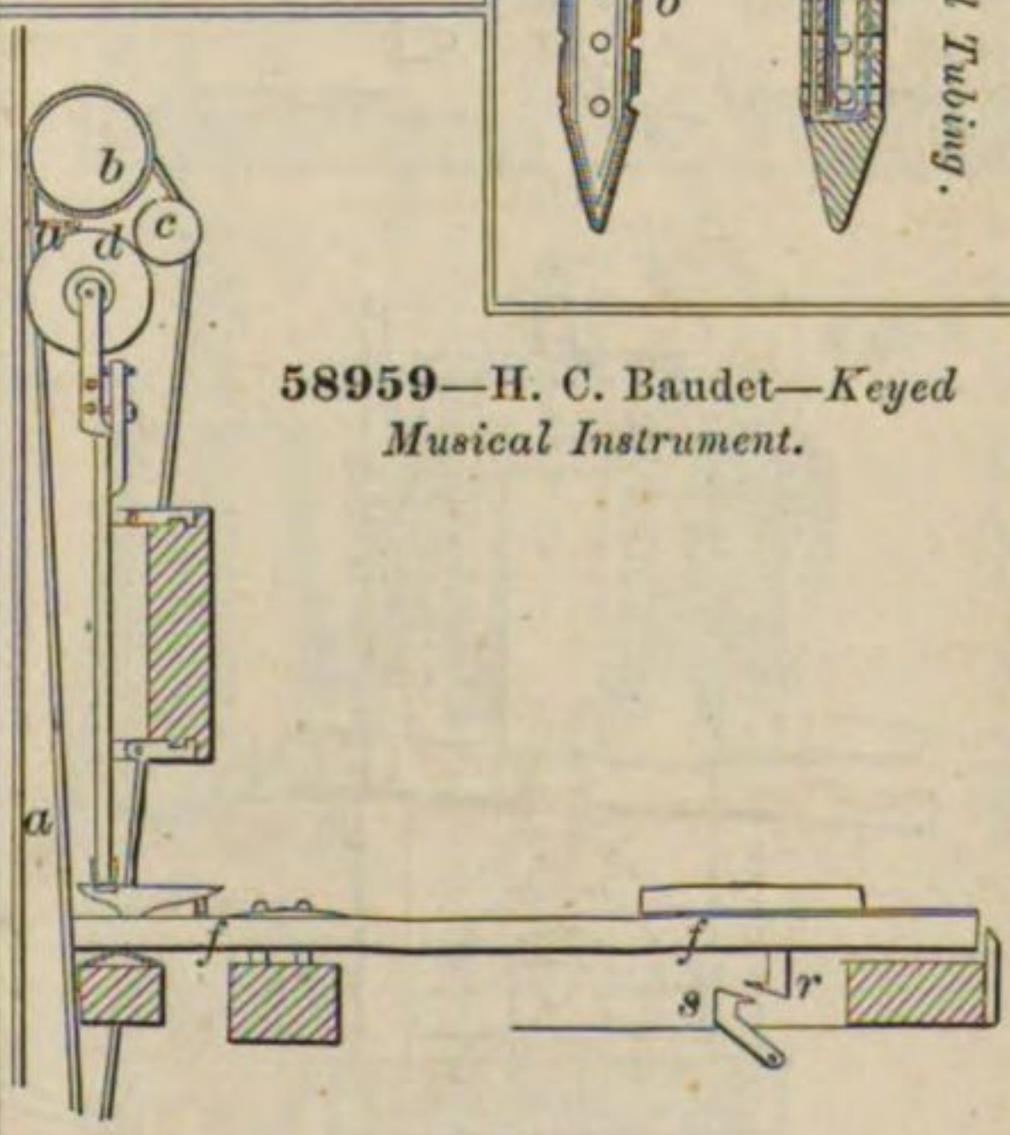


58960—A. P. Berlioz—*Electro-Magnetic Engine.*

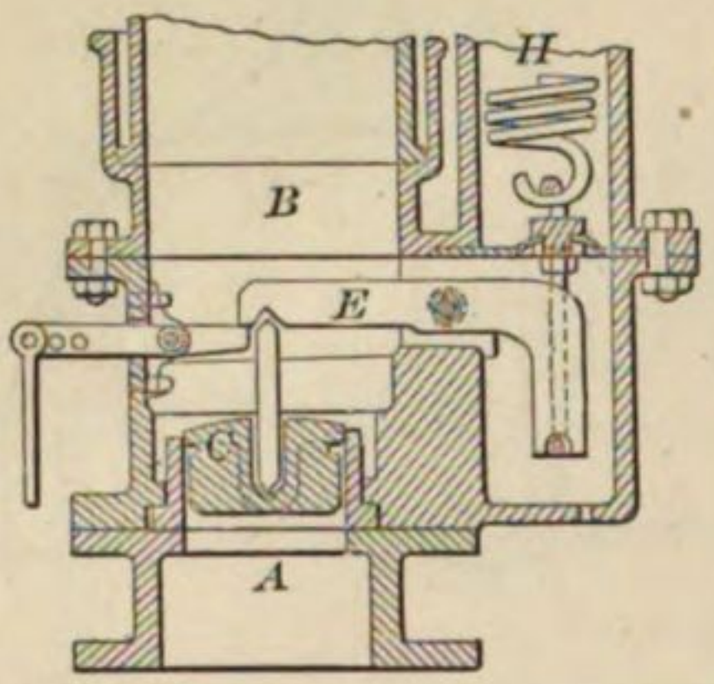




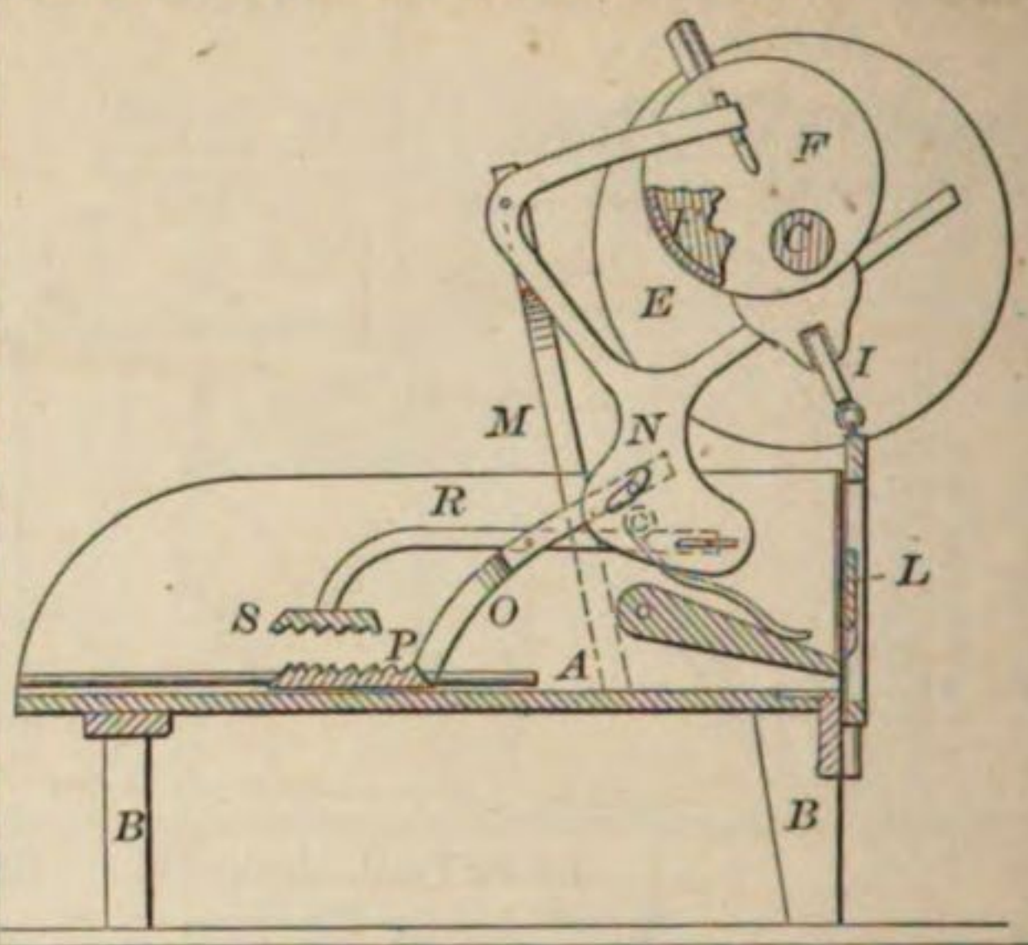
58959—H. C. Baudet—*Keyed Musical Instrument.*



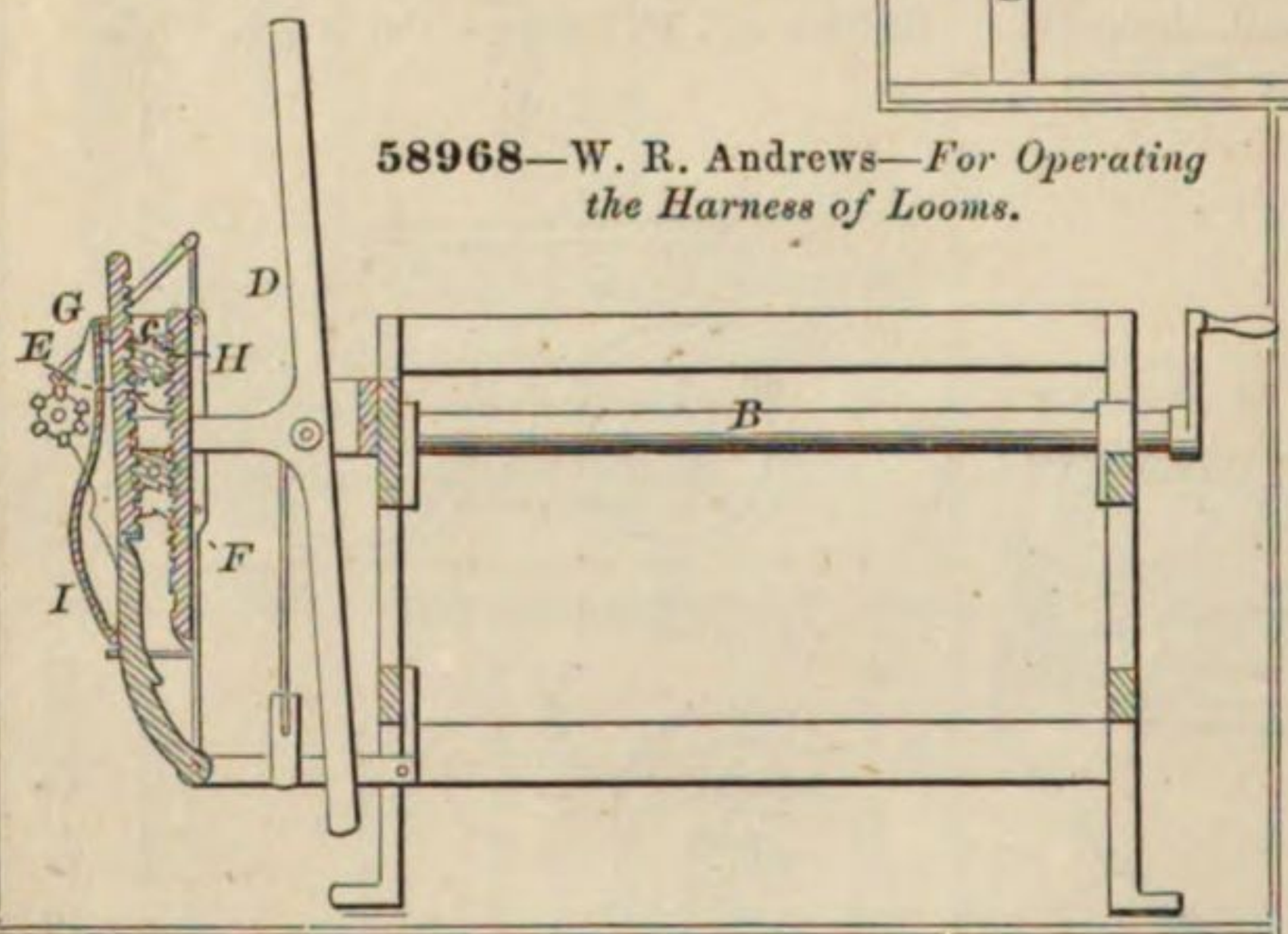
58962—W. Naylor—*Steam Safety Valve.*



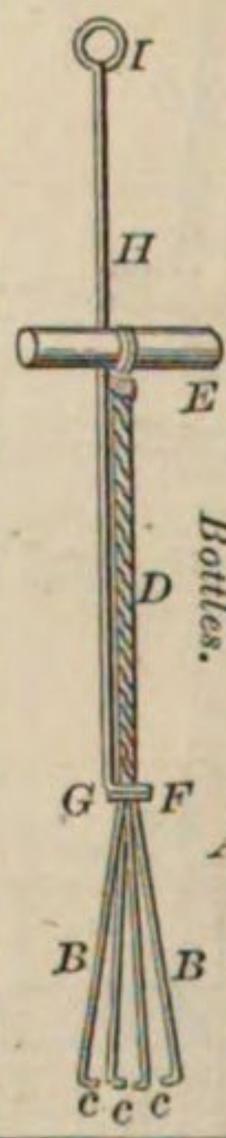
58967—W. F. Altfather—*Feed Cutter.*



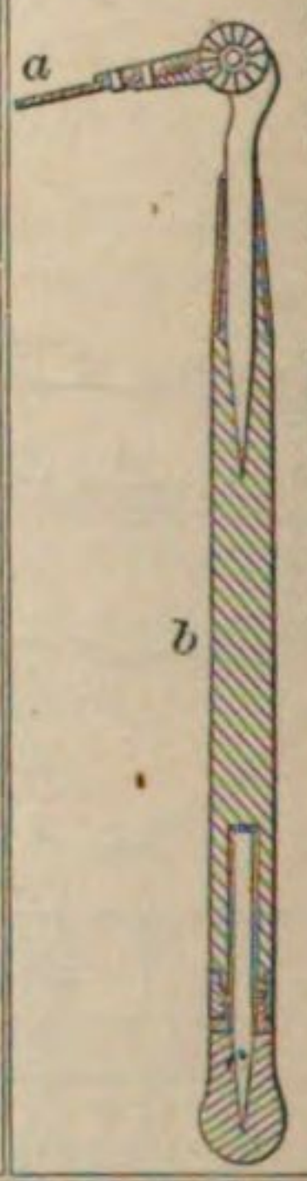
58968—W. R. Andrews—*For Operating the Harness of Looms.*



58969—J. T. Ashley—*For Extracting Corks from Bottles.*



58966—S. W Adams—*Hoe.*



58963—Shipton & Mitchell—*For Forging Pipe Joints.*

Fig. 1

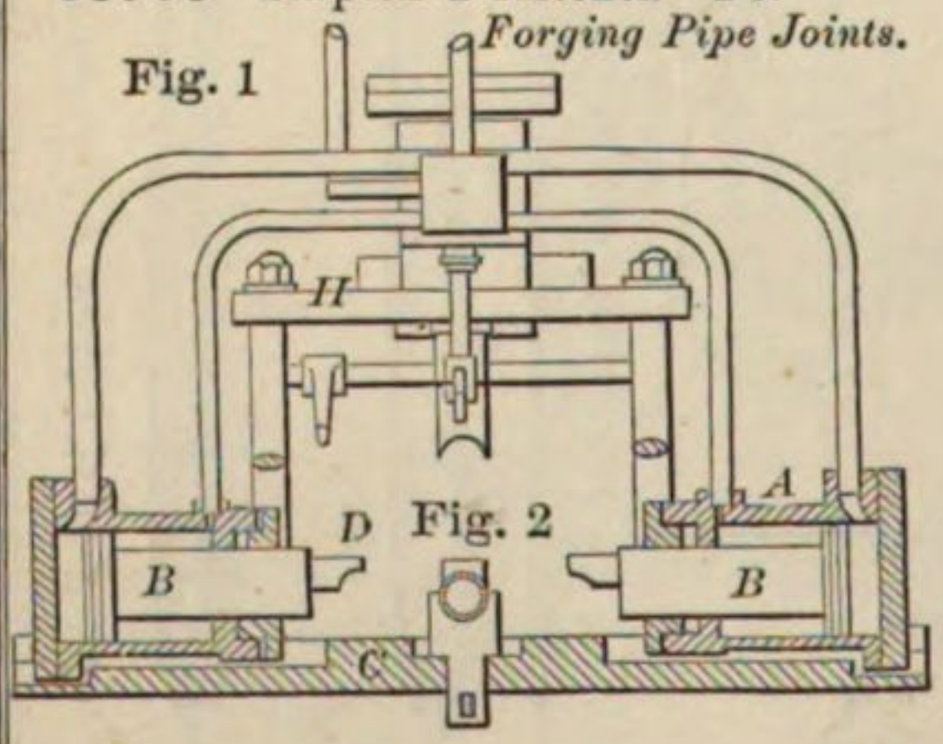
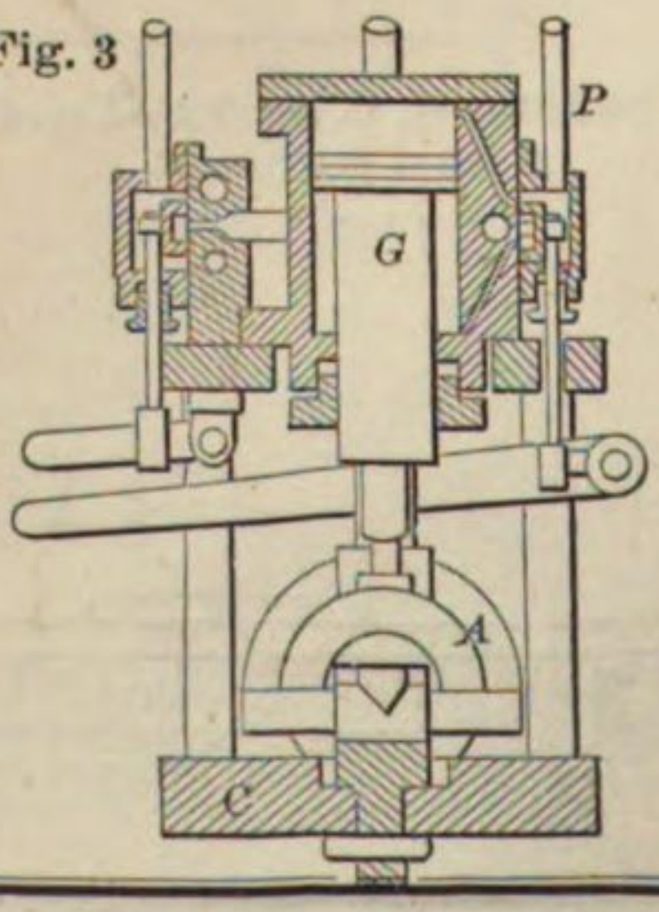


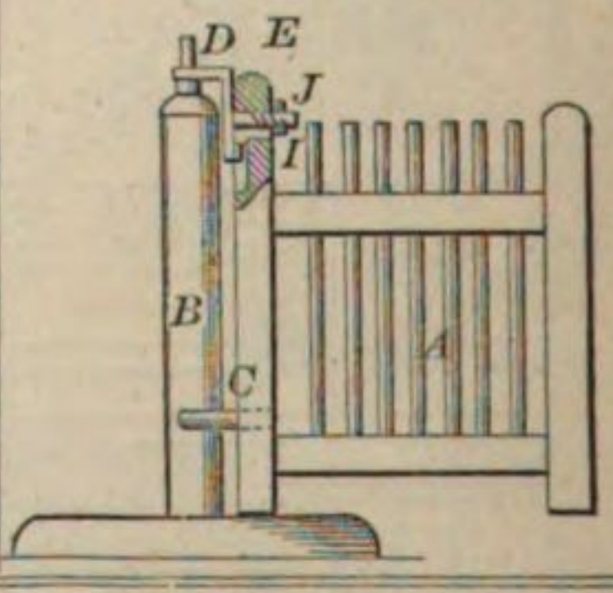
Fig. 2

Fig. 3

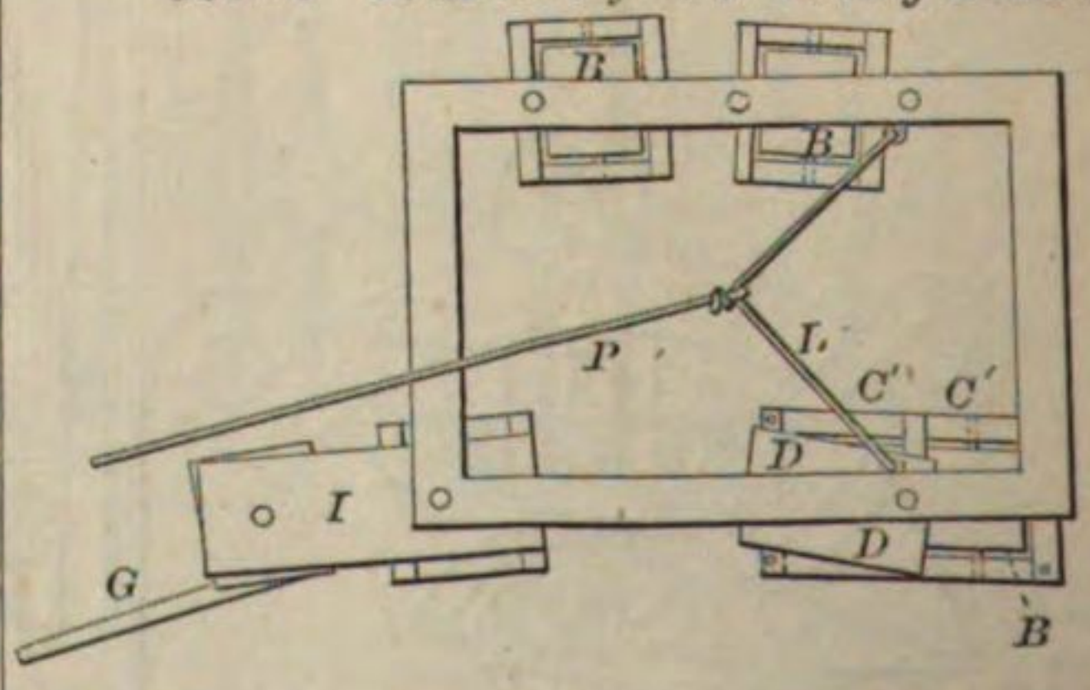


58964—J. Absterdam—*Screw.*

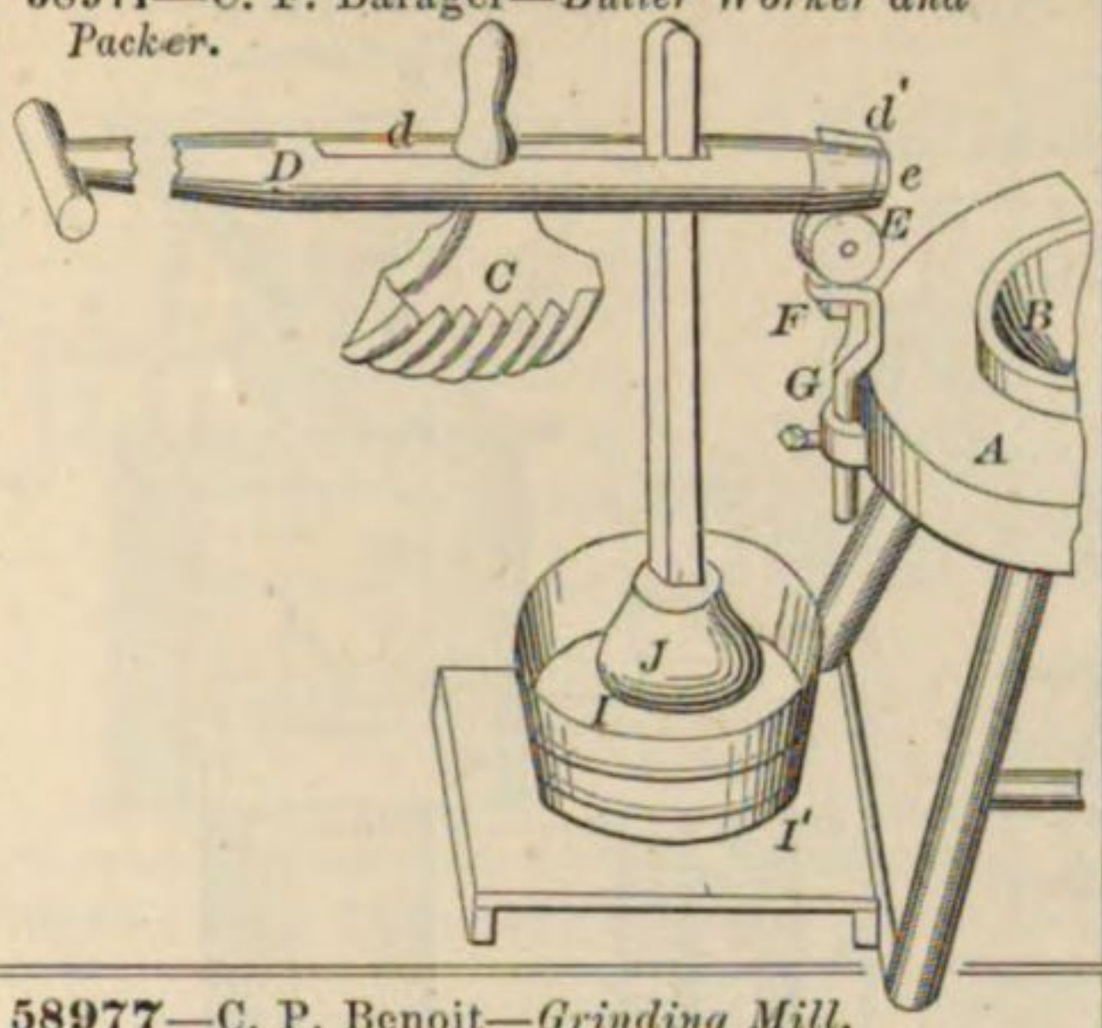
58965—H. Adams—*Gate.*



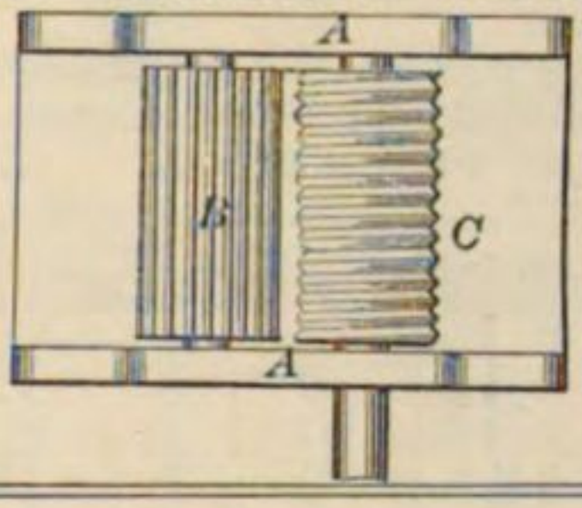
58970—E. H. Avery—*For Moving Buildings.*



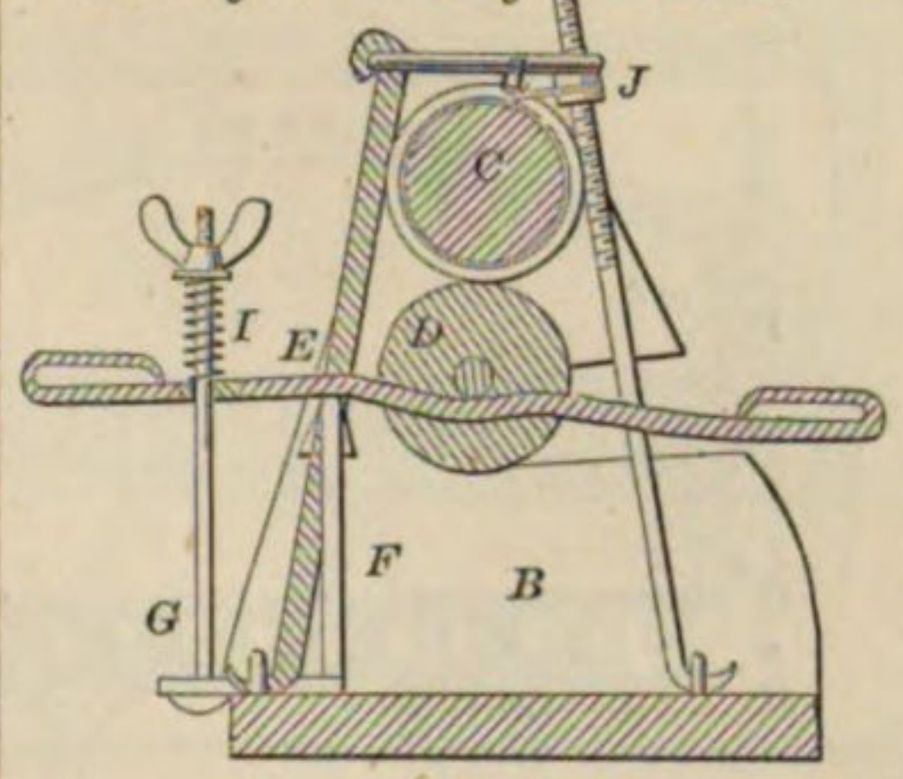
58971—C. F. Barager—*Butter Worker and Packer.*



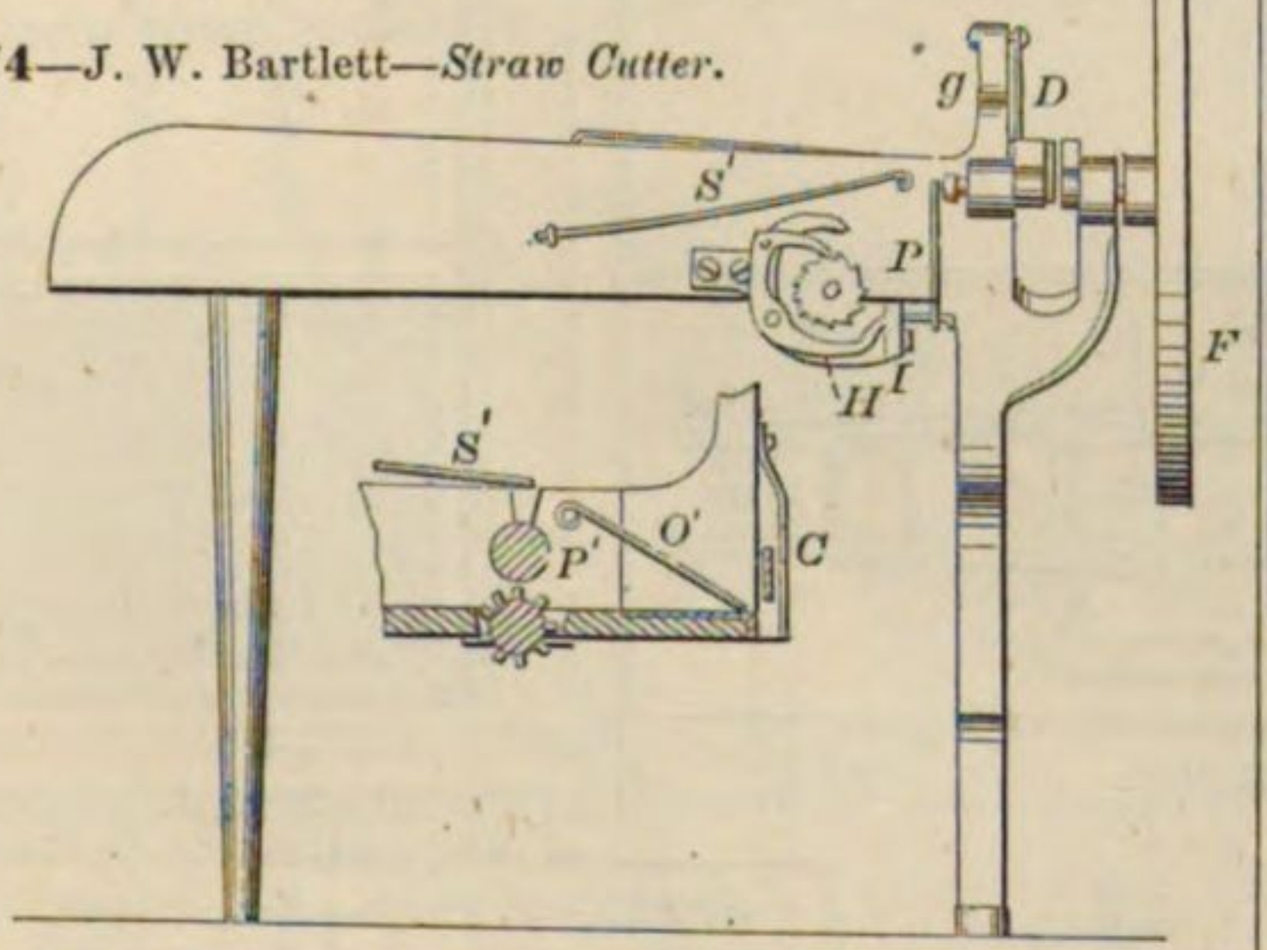
58977—C. P. Benoit—*Grinding Mill.*



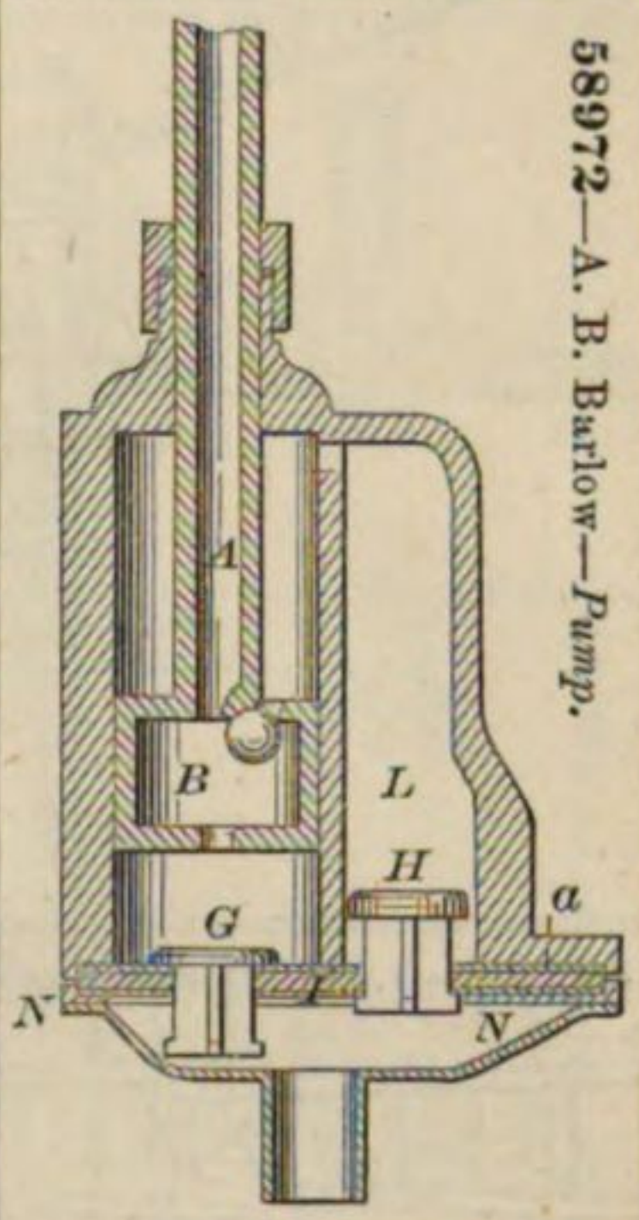
58978—C. C. Bellows—*For Creasing, Slicking and Skiving Leather.*



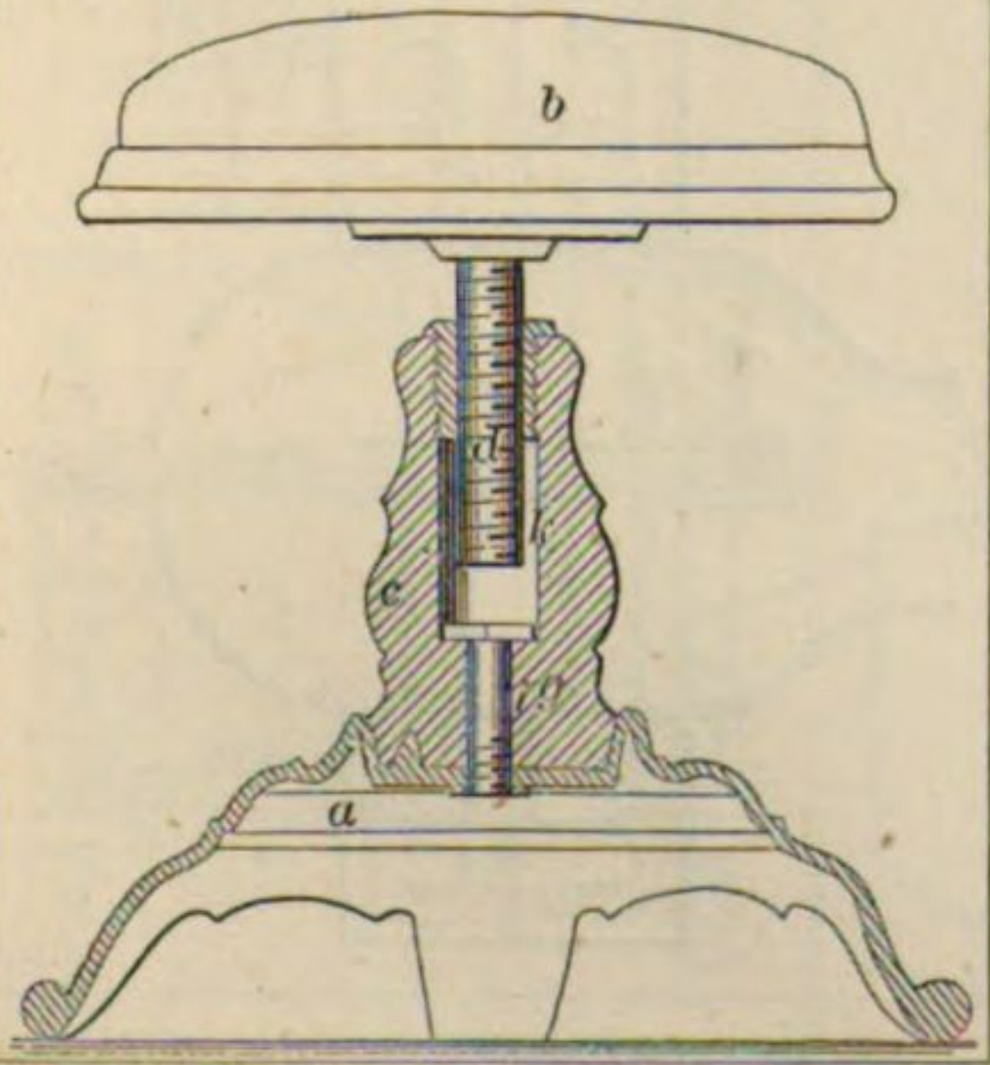
58974—J. W. Bartlett—*Straw Cutter.*



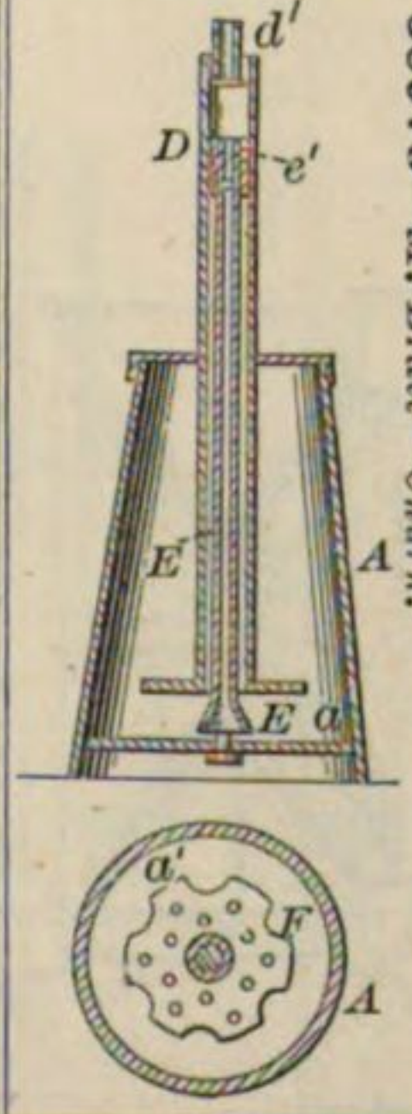
58972—A. B. Barlow—*Pump.*



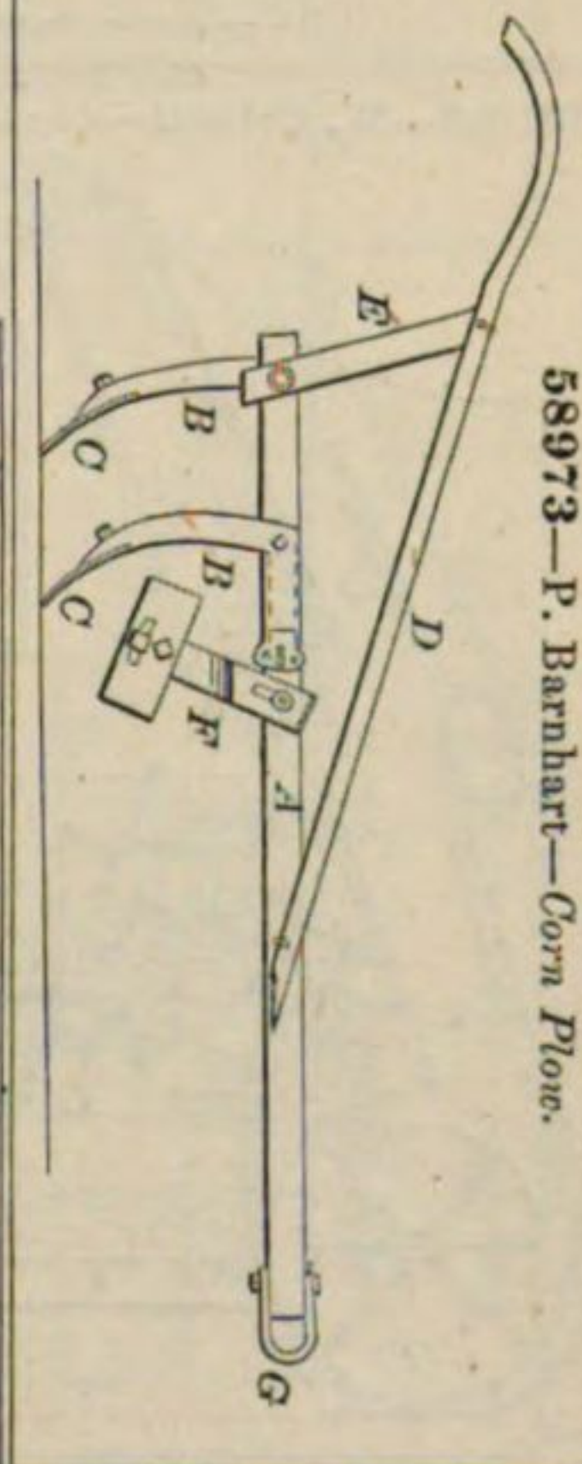
58979—J. Briggs—*Piano Stool.*



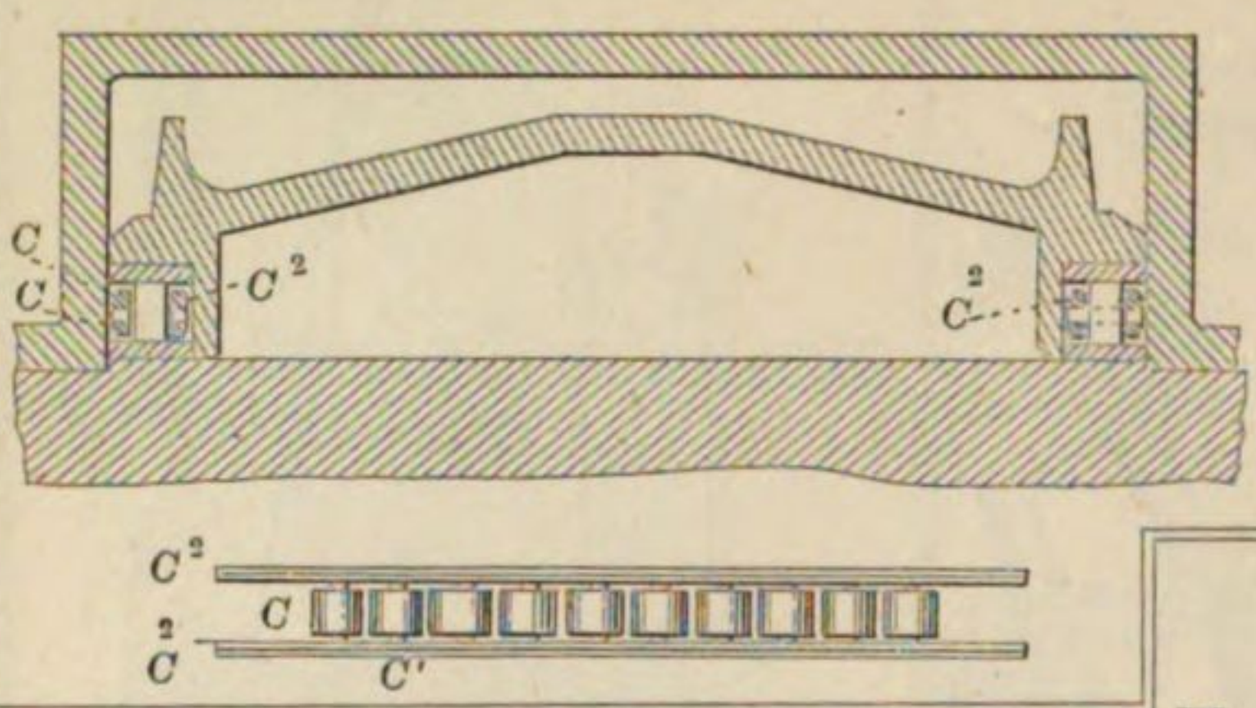
58976—M. Bratt—*Churn.*



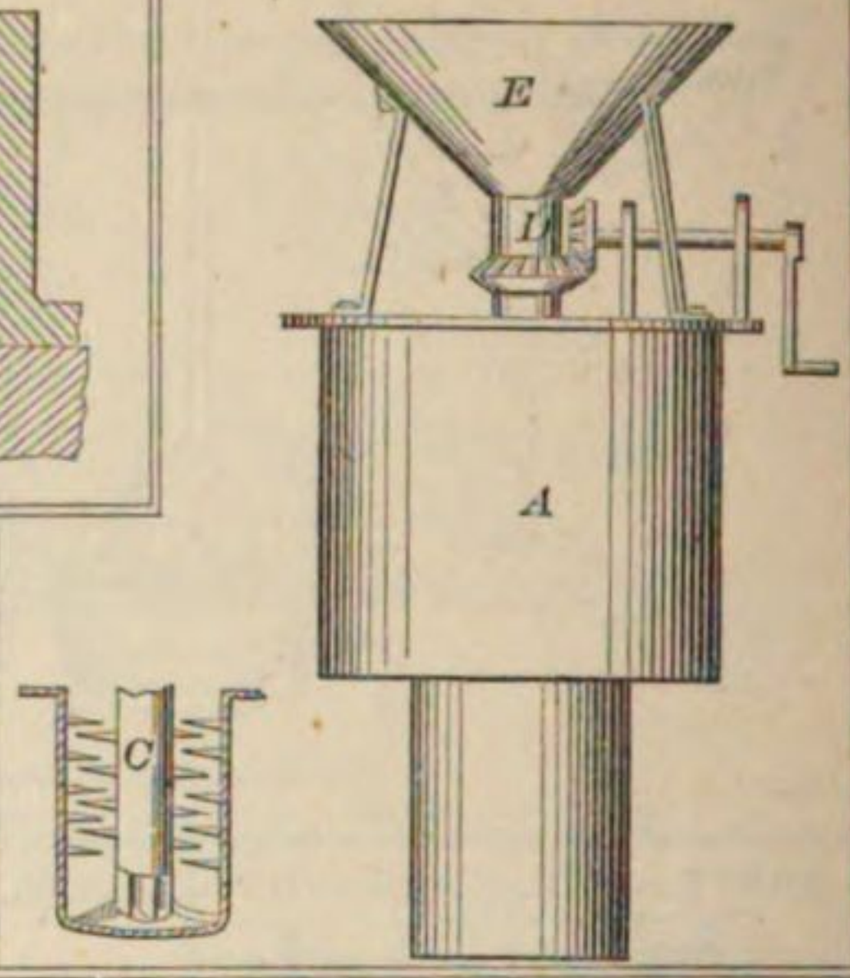
58973—P. Barnhart—*Corn Plow.*



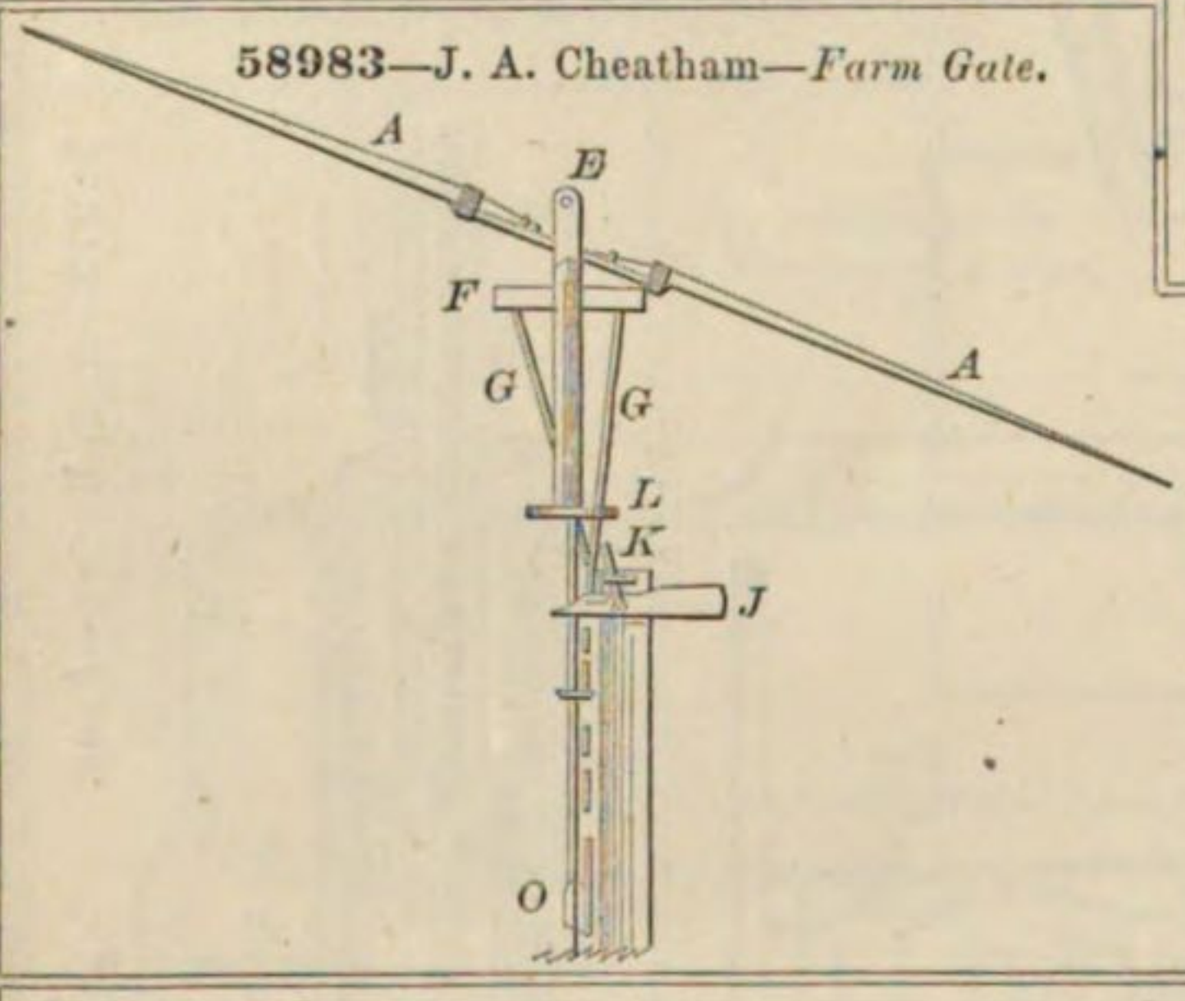
58980—R. C. Bristol—*Steam Engine Slide Valve.*



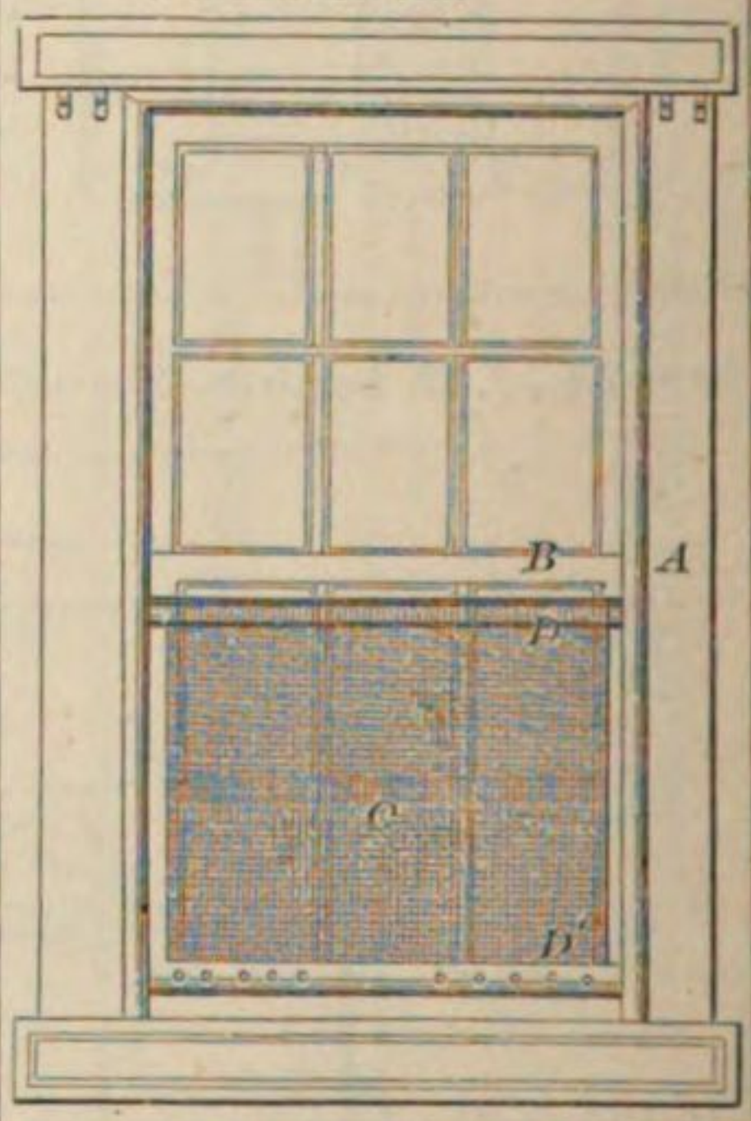
58981—E. Brown—*Amalgamator.*



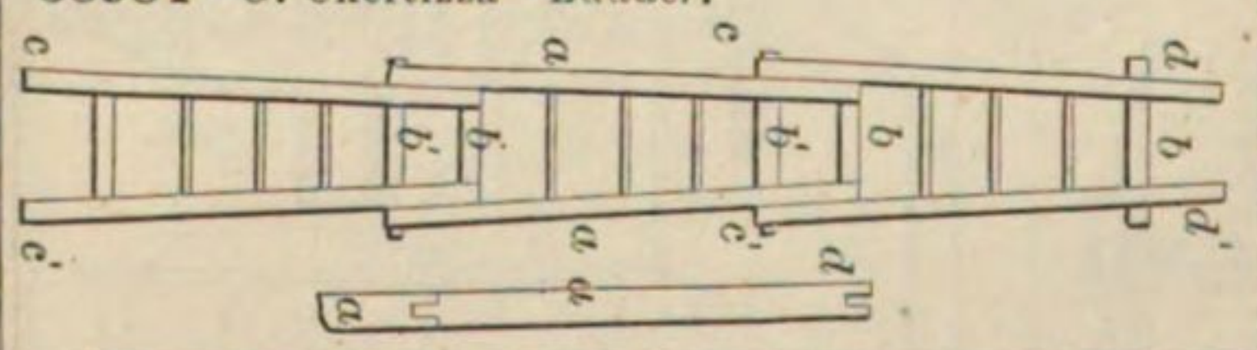
58983—J. A. Cheatham—*Farm Gate.*



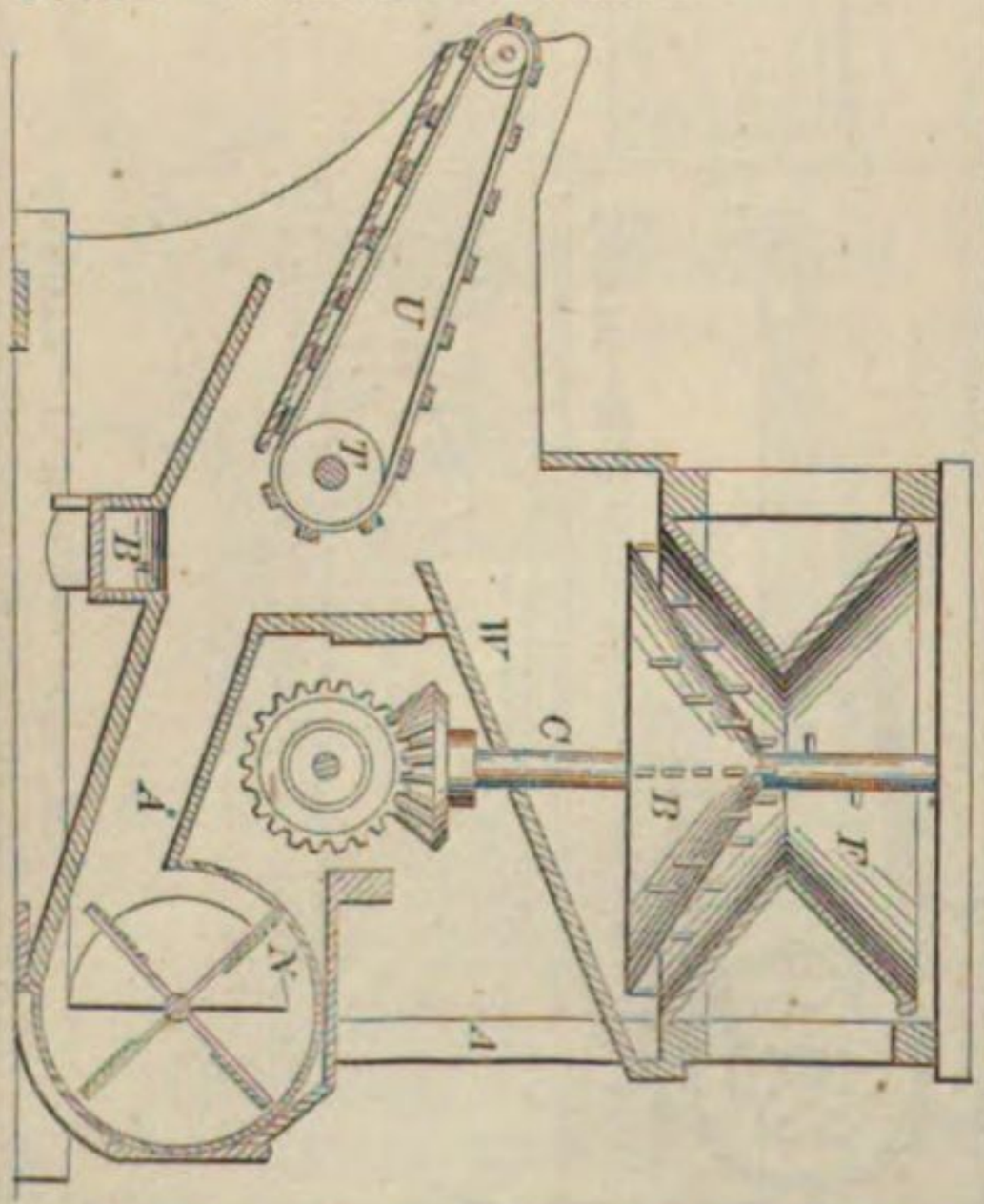
58982—Bucklin & Sutton—*Window Screen.*



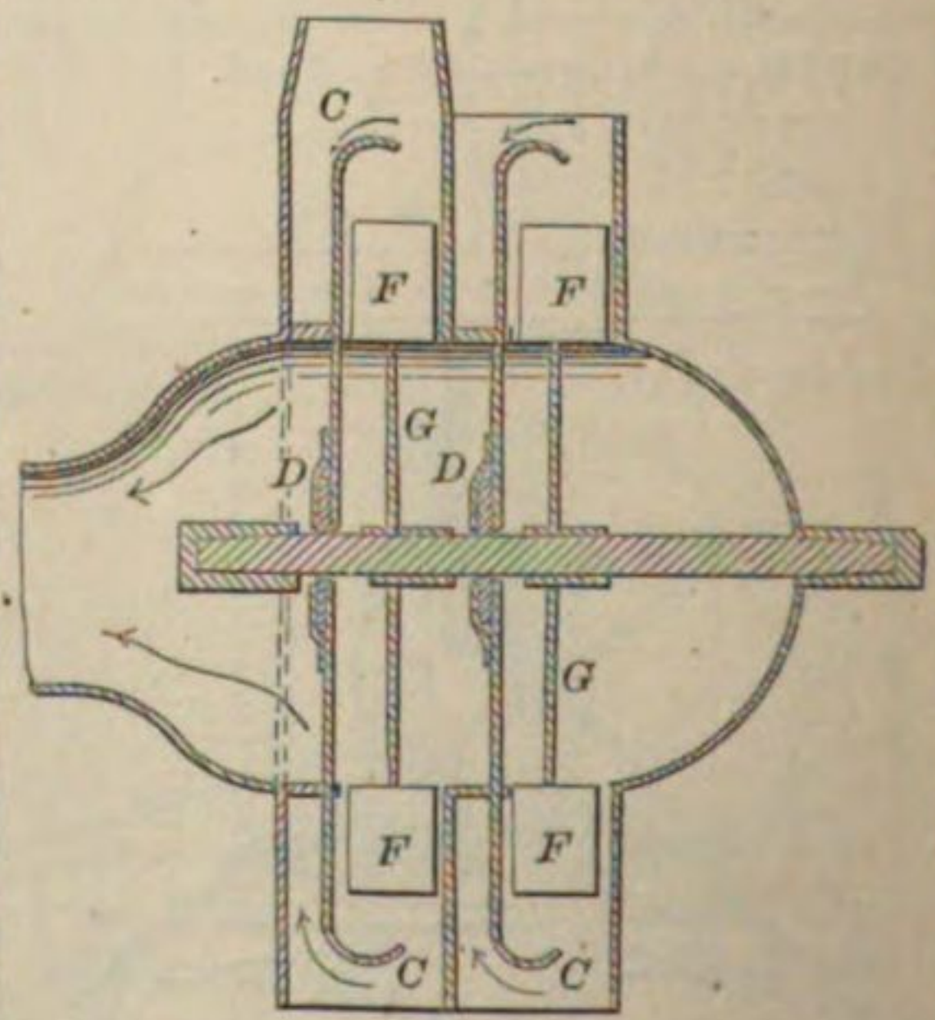
58984—G. Ckertizza—*Ladder.*



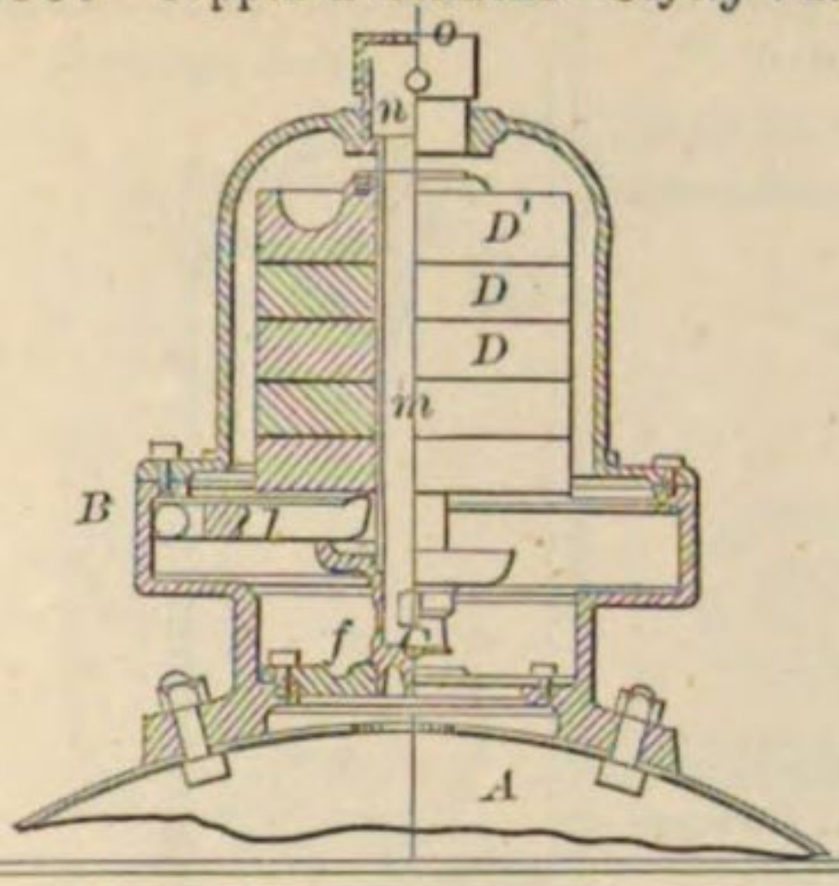
58986—W. Colwell—*Corn Sheller.*



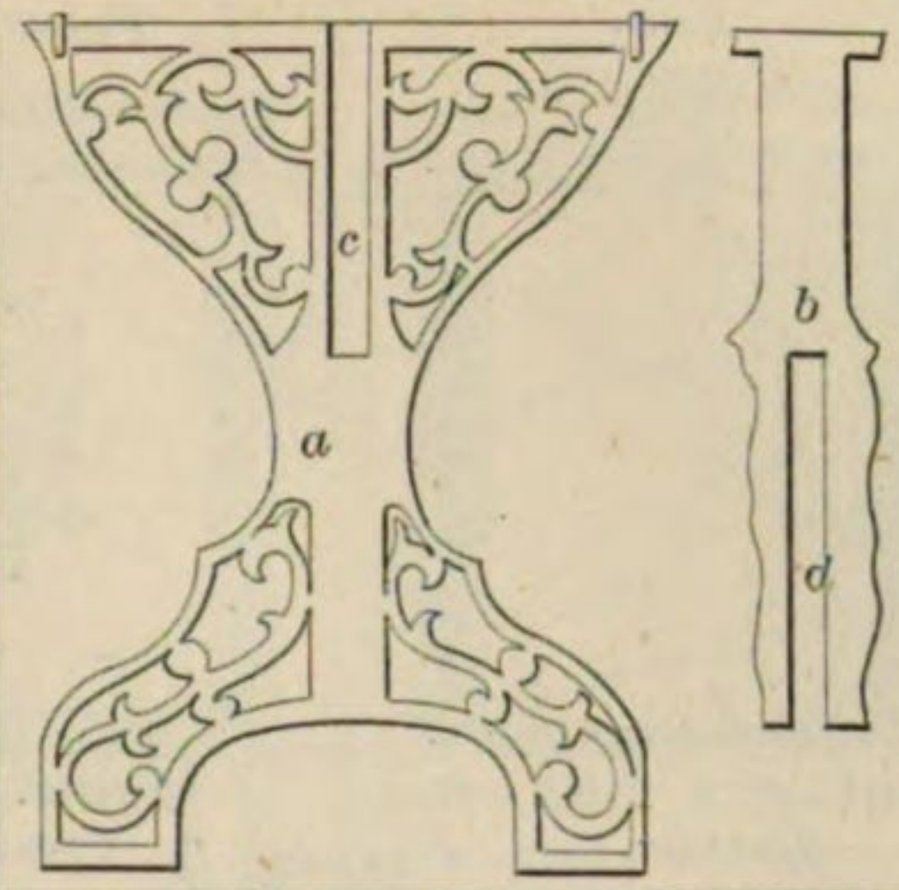
58985—P. Clark—*Fan Blower.*



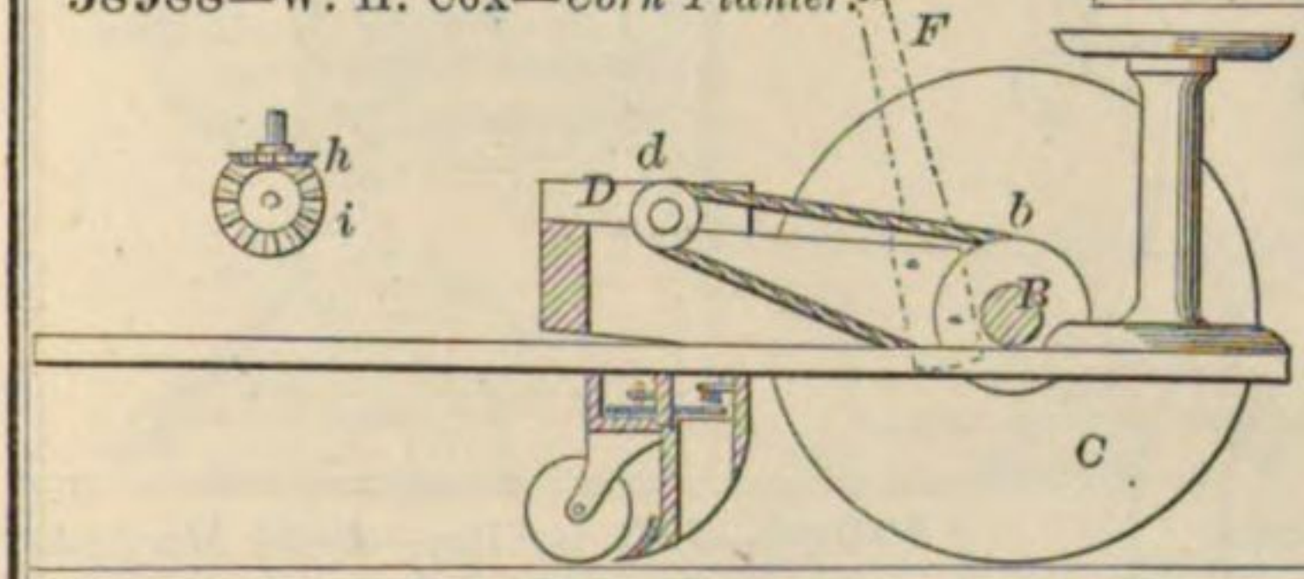
58987—Coppin & Clemens—*Safety Valve.*

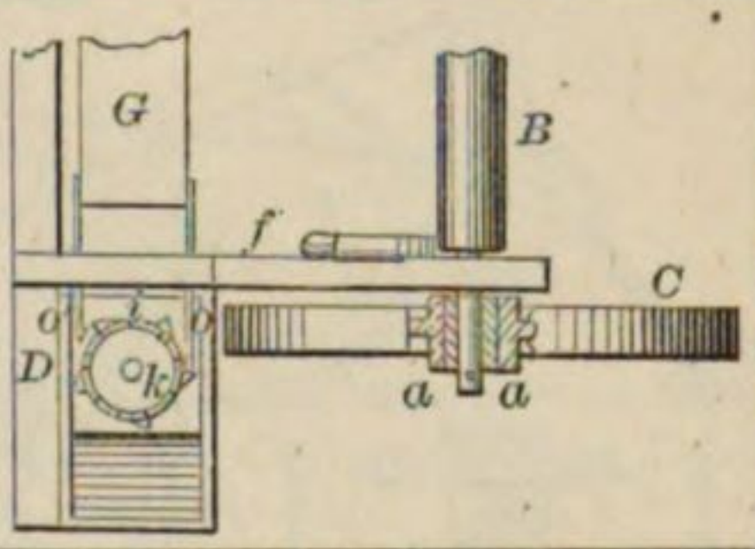


58995—E. Dinter—*Table.*

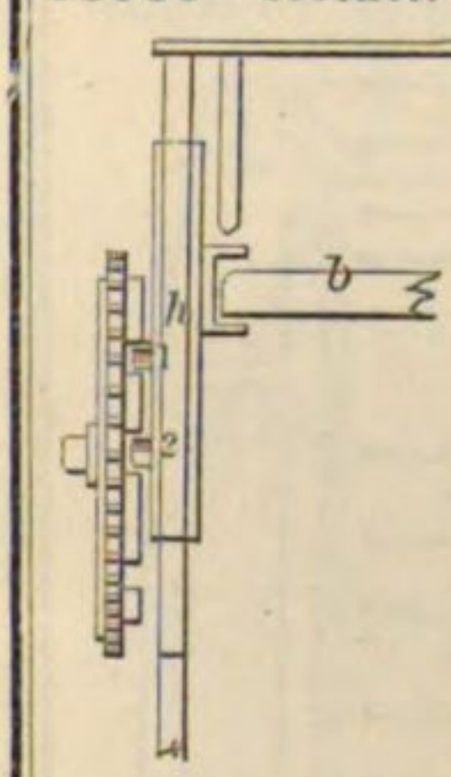


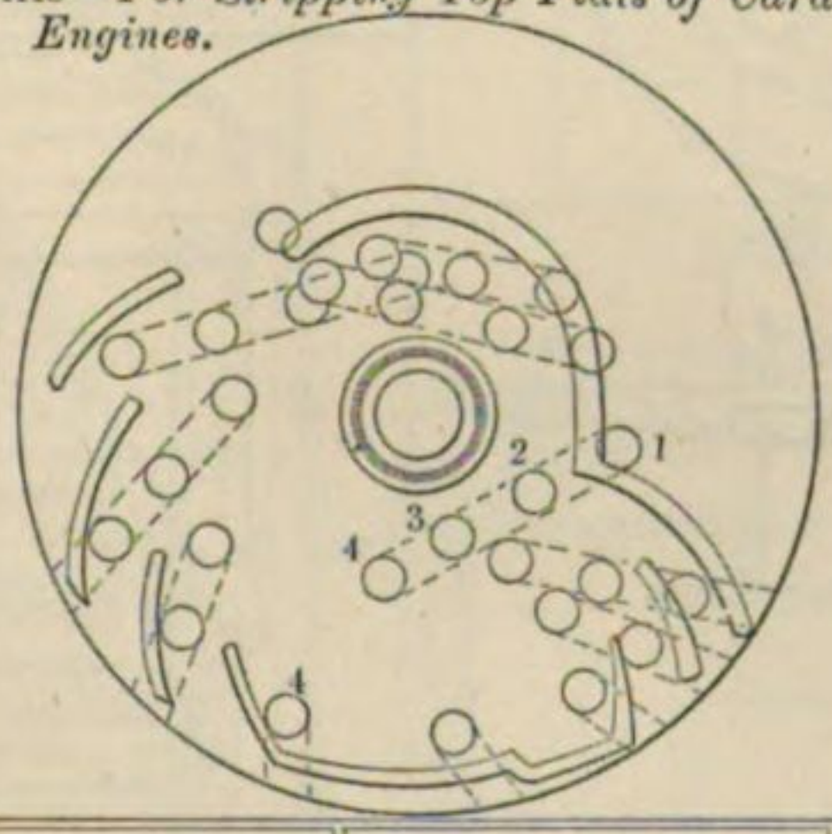
58988—W. H. Cox—*Corn Planter.*



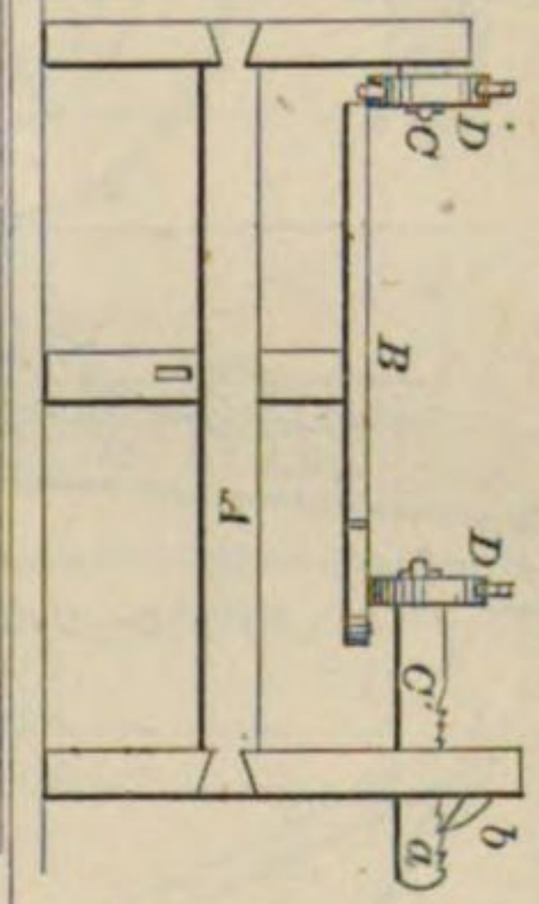


58989—Crockett & Mills—*For Stripping Top Flats of Carding Engines.*

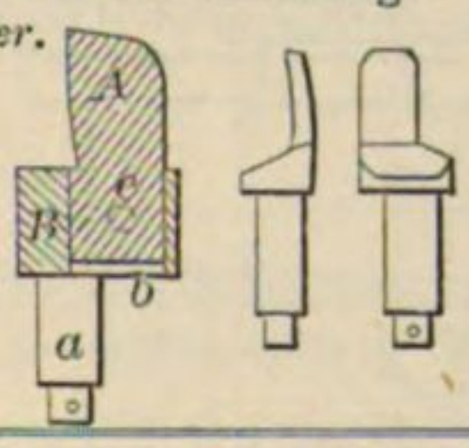




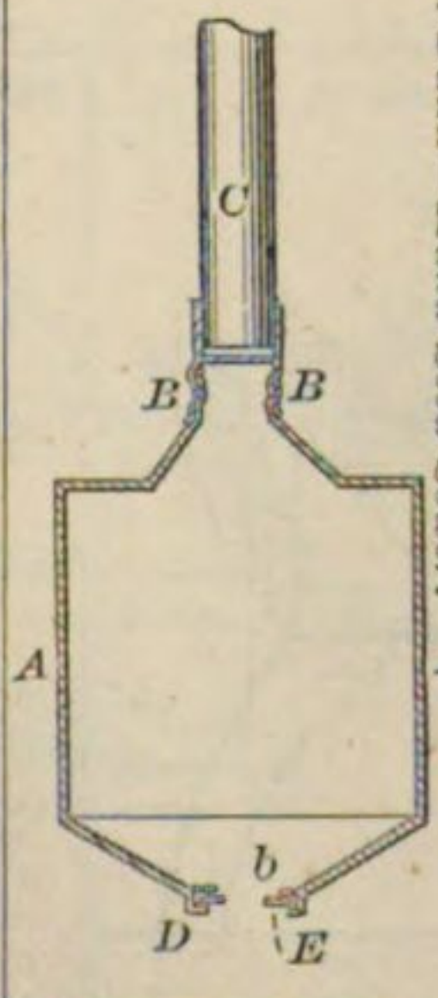
58991—A. M. Culver—*Table and Holder for Shearing Sheep.*



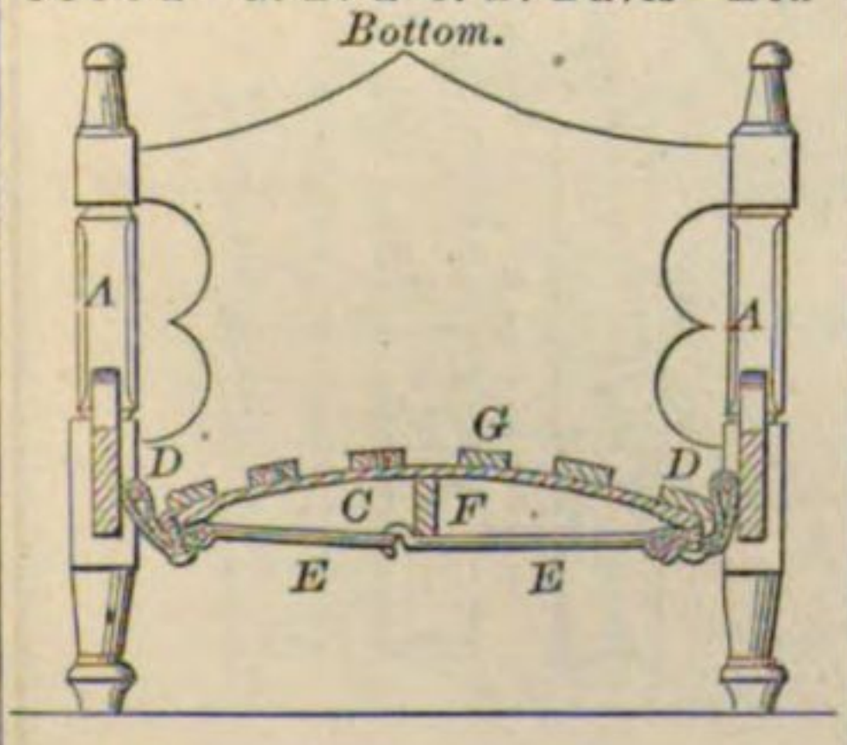
58992—P. E. Cummings—*Knife Carrier.*



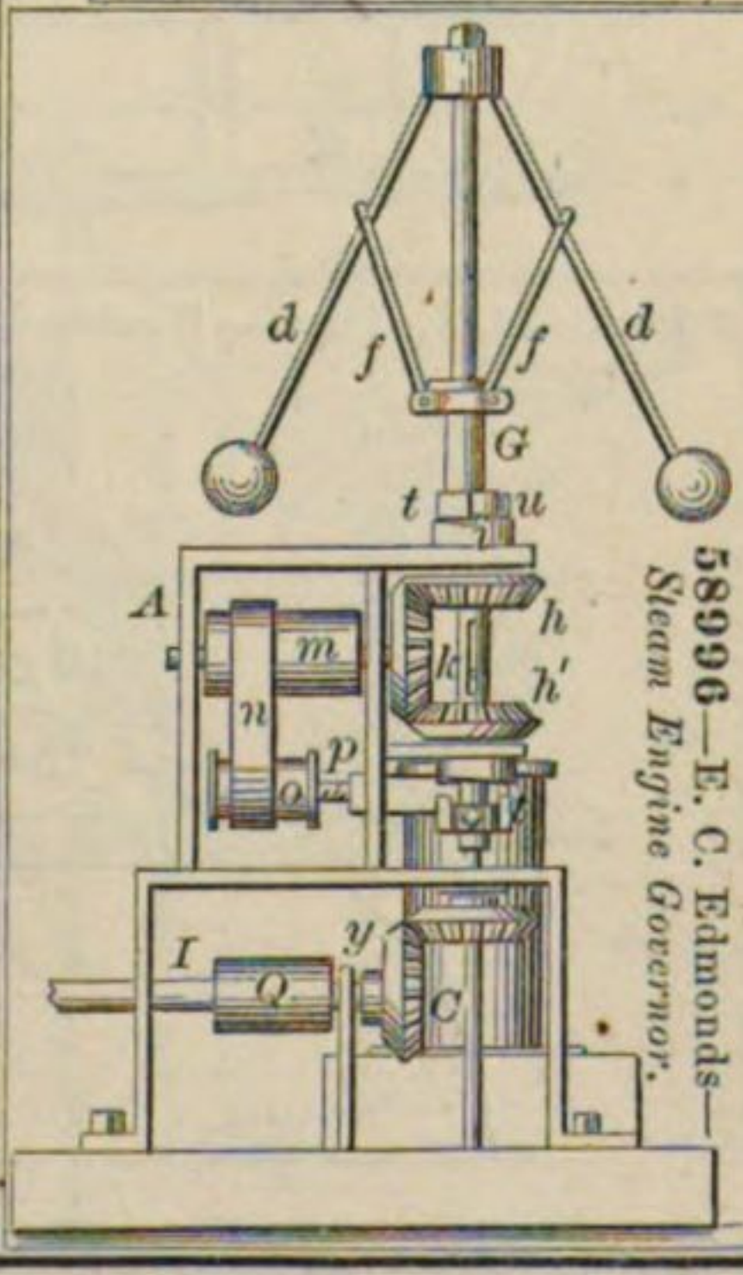
58993—O. Dann—*Hand Seed Sower.*



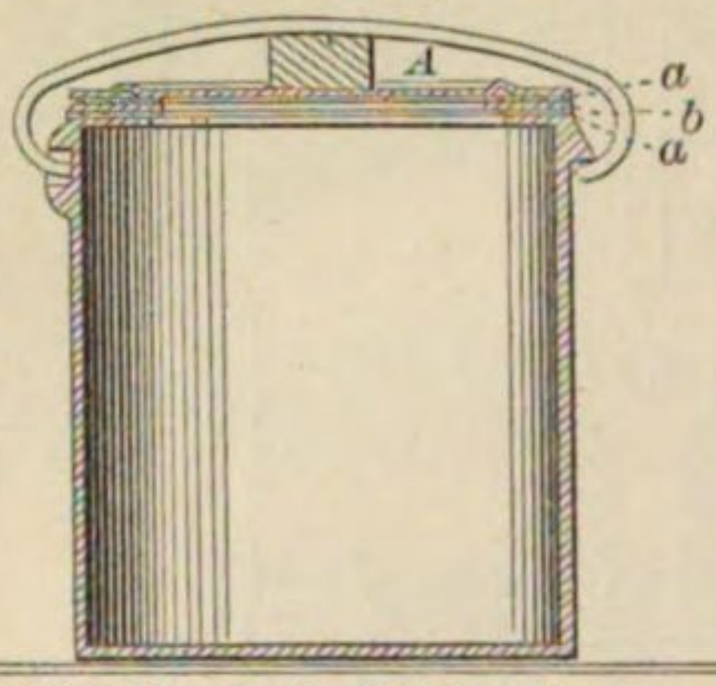
58994—G. B. & C. B. Davis—*Bed Bottom.*



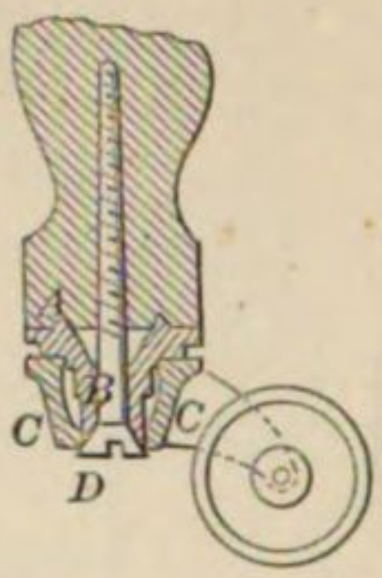
58996—E. C. Edmonds—*Steam Engine Governor.*



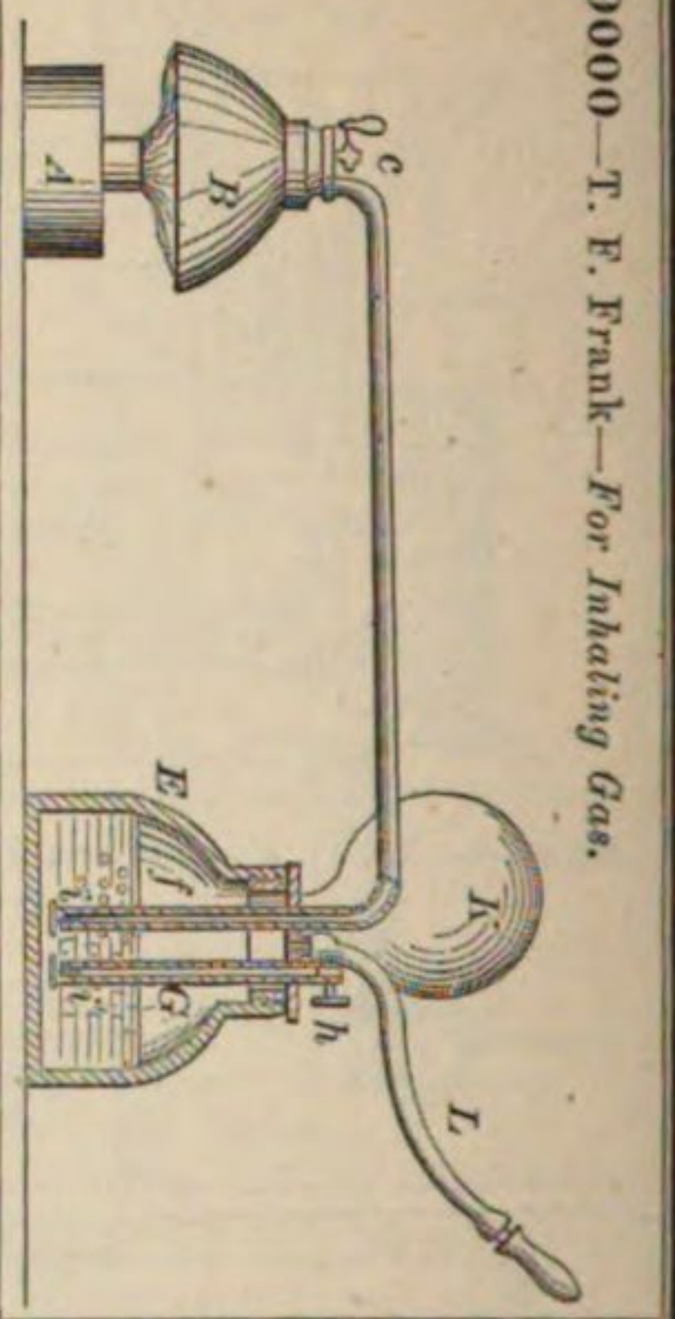
58998—H. S. Fisher—*Seal for Cans.*



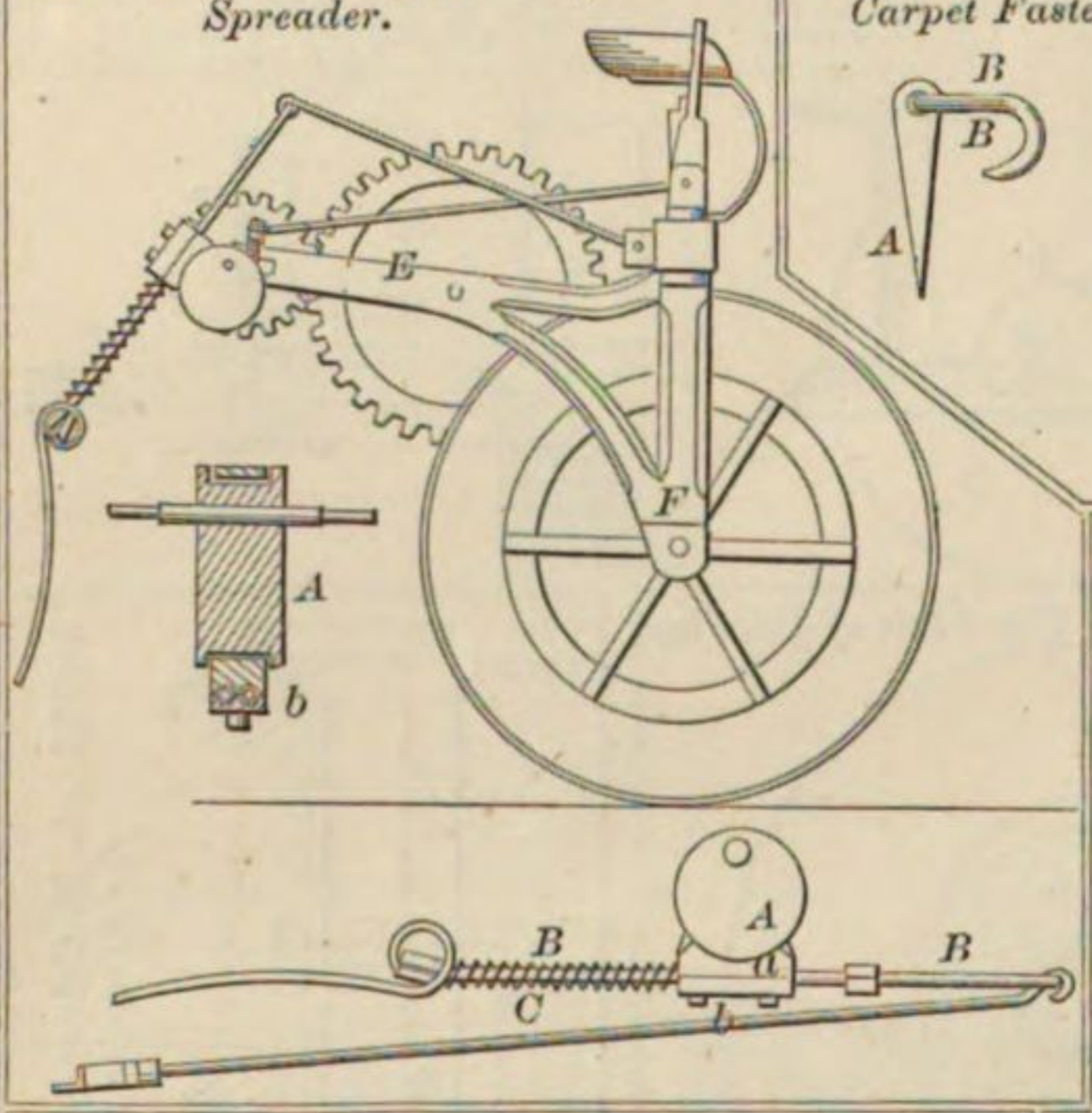
58999—F. G. Ford—*Furniture Caster.*



59000—T. F. Frank—*For Inhaling Gas.*

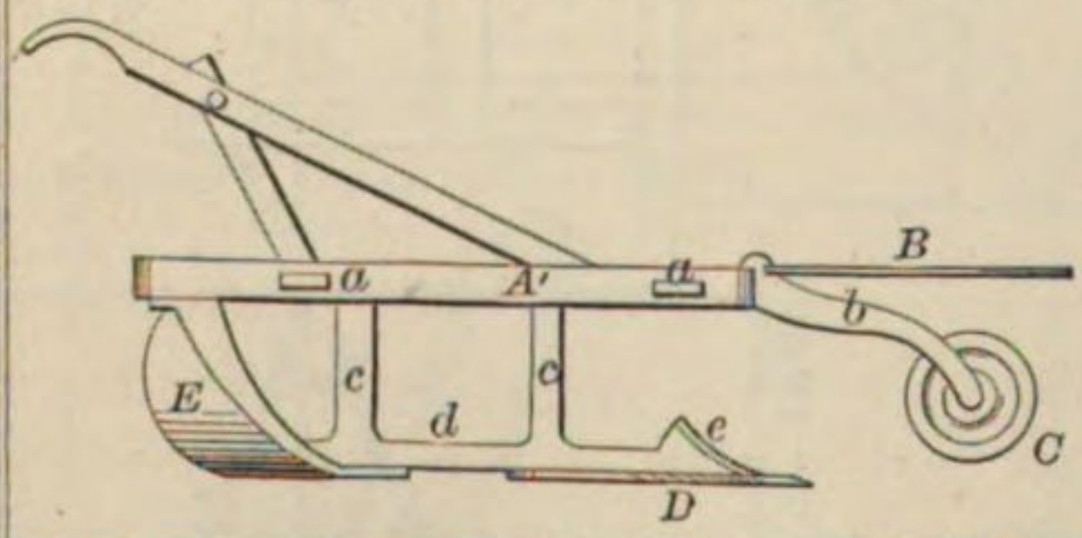


59001—C. R. Frink—*Hay Spreader.*

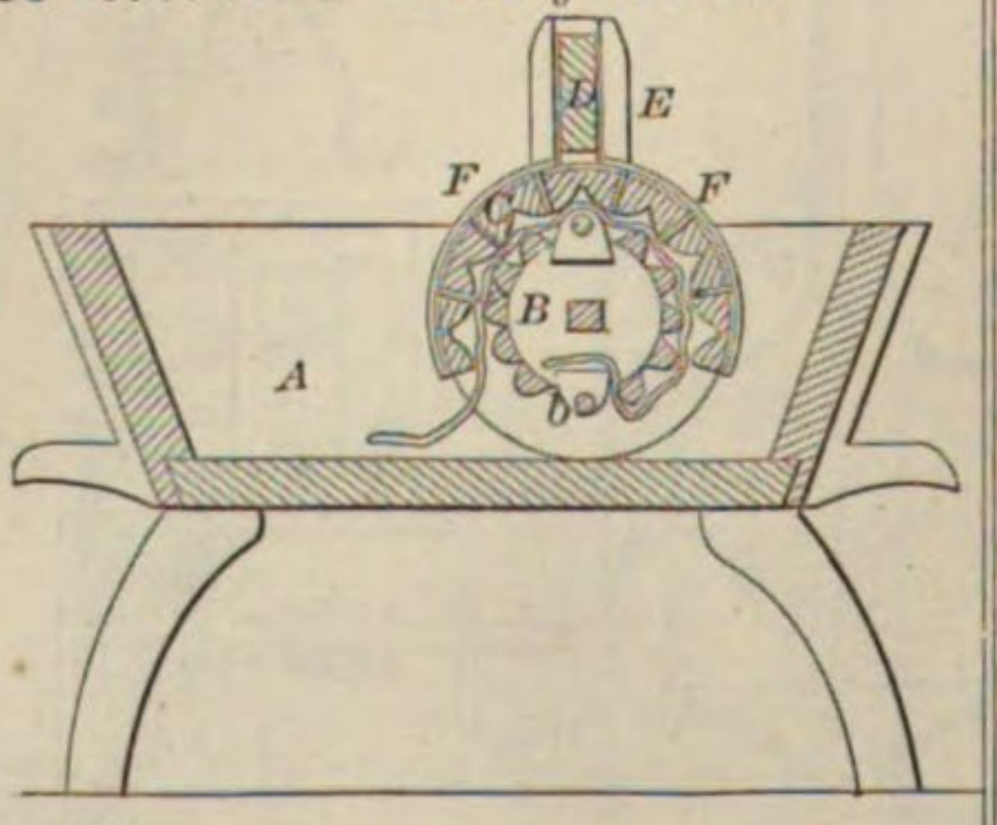


59002—R. A. Gawler—*Carpet Fastener.*

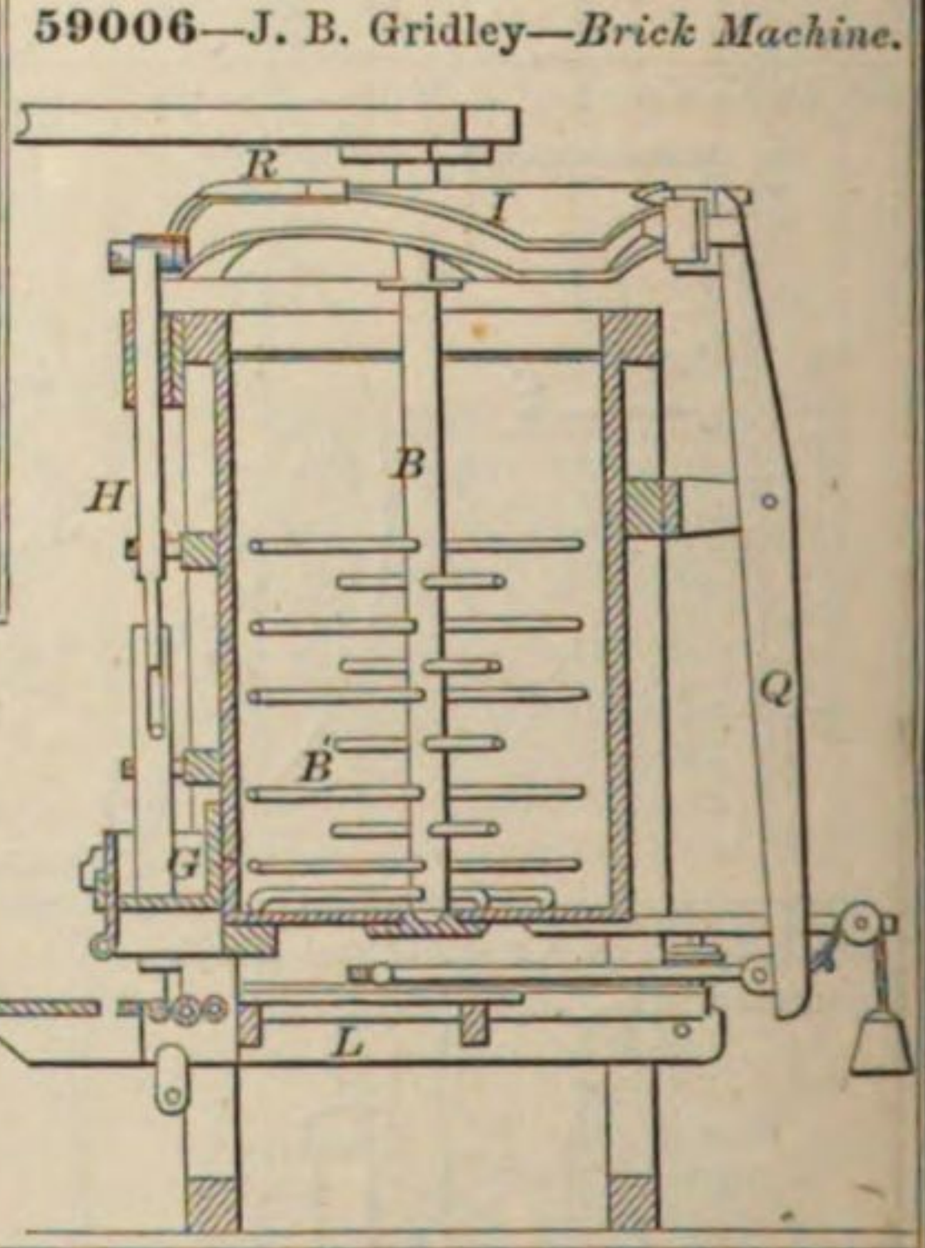
59003—W. O. Gibson—*Cultivator Plow.*



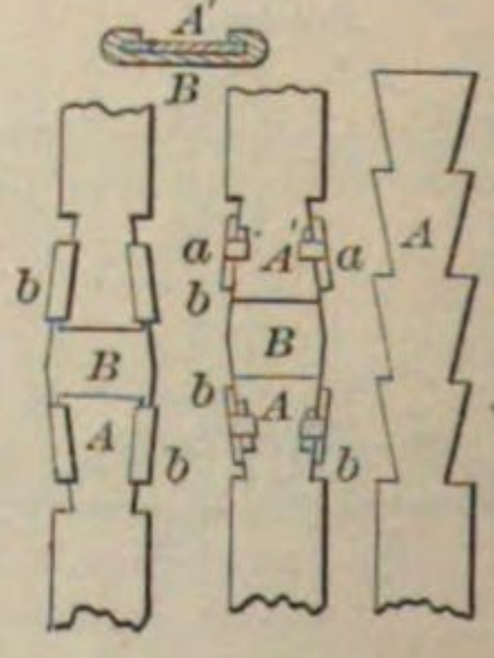
59005—J. J. Green—*Washing Machine.*



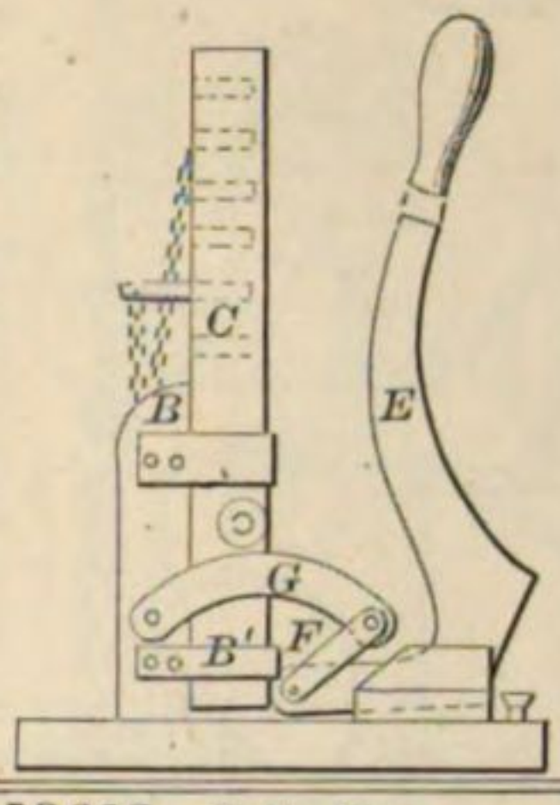
59006—J. B. Gridley—*Brick Machine.*



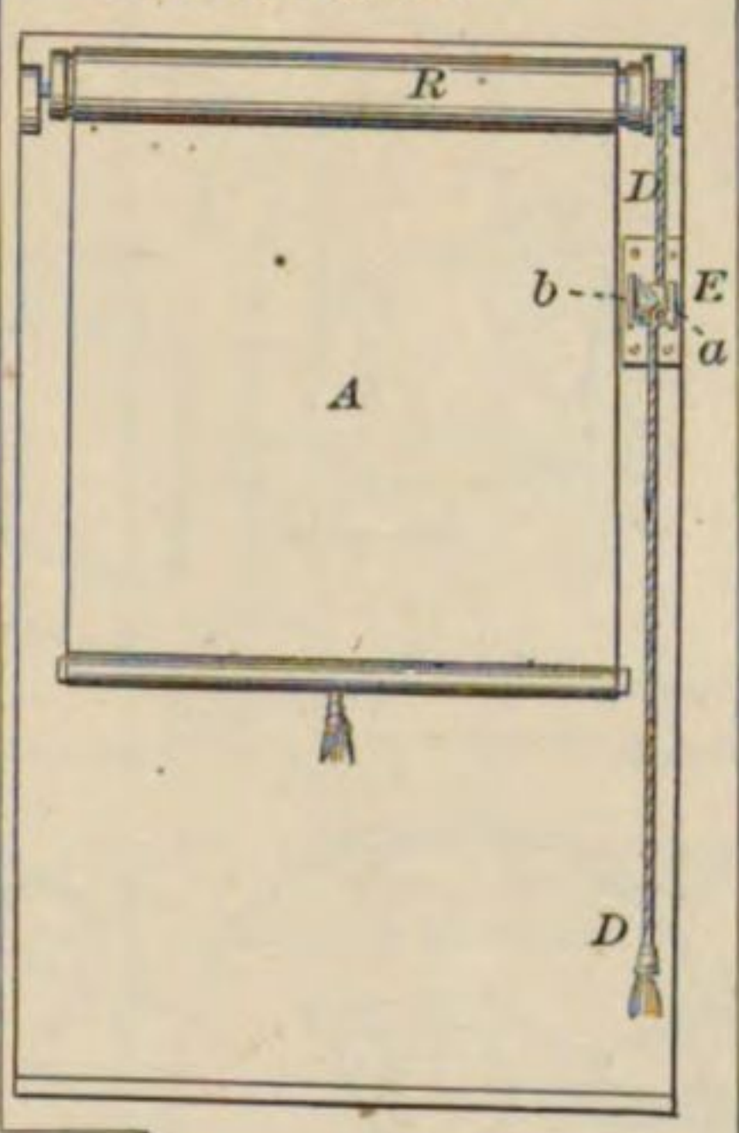
59007—J. H. Gridley—*Cotton Bale Tie.*



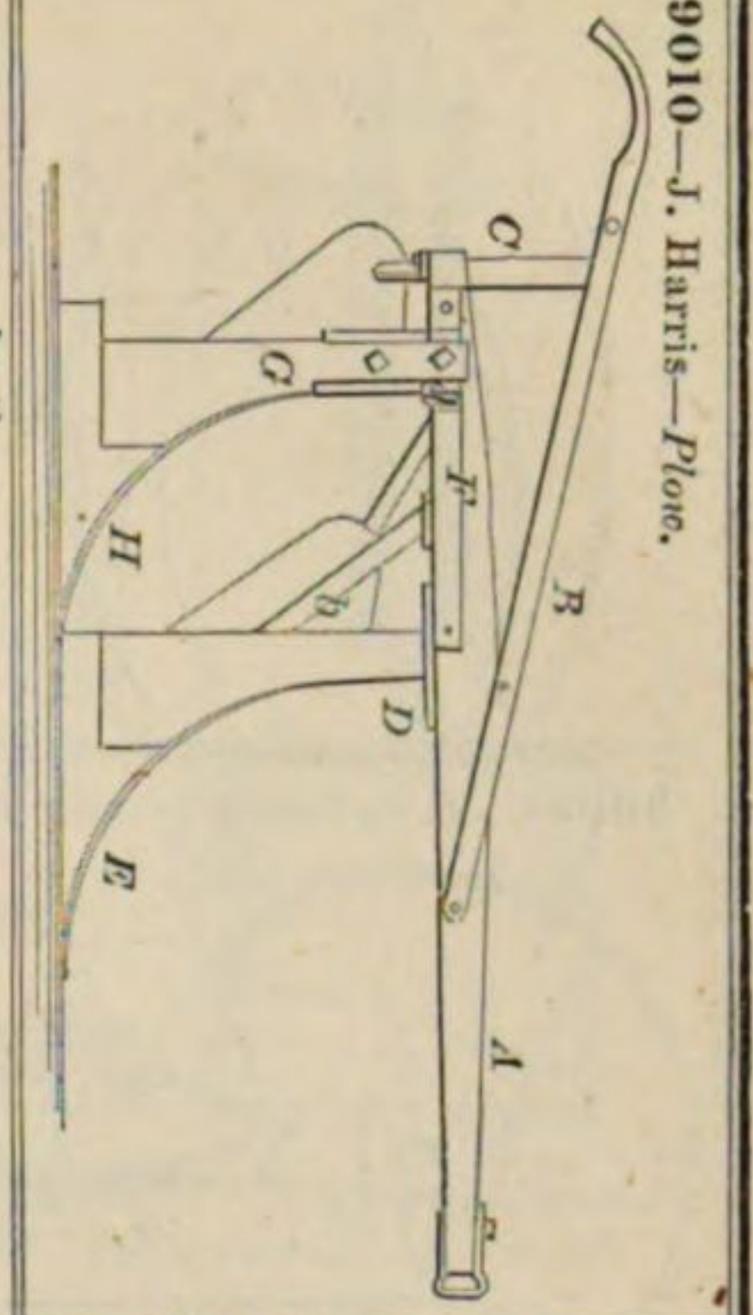
59008—J. F. Hammond—*Carriage Jack.*



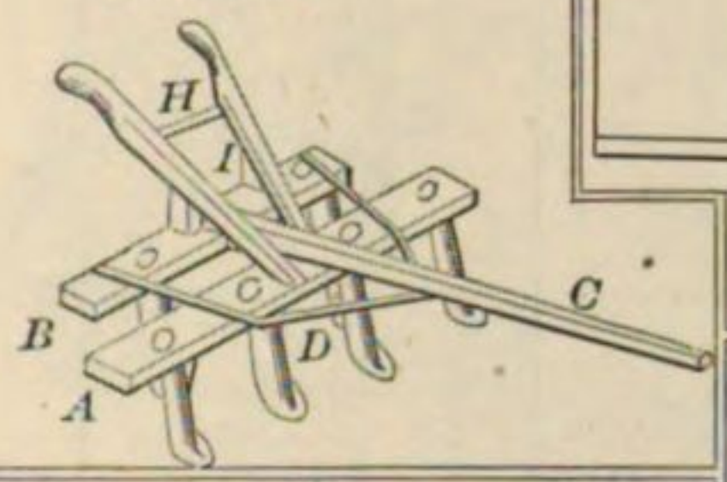
59009—B. Handforth—*Curtain Fixture.*



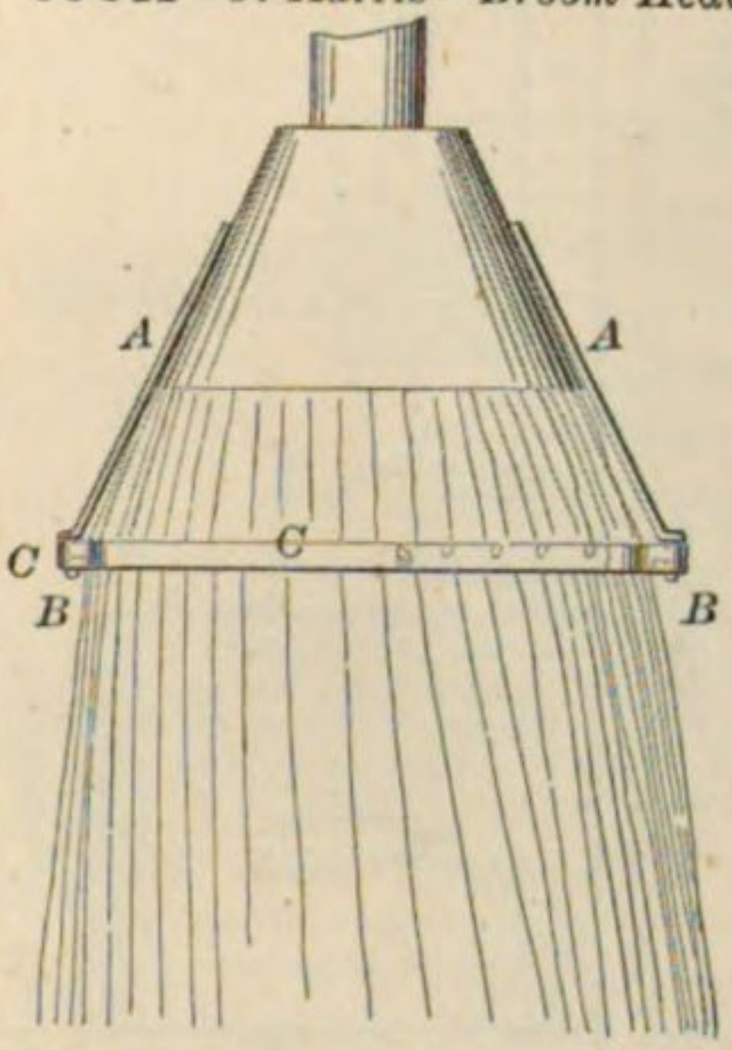
59010—J. Harris—*Plow.*



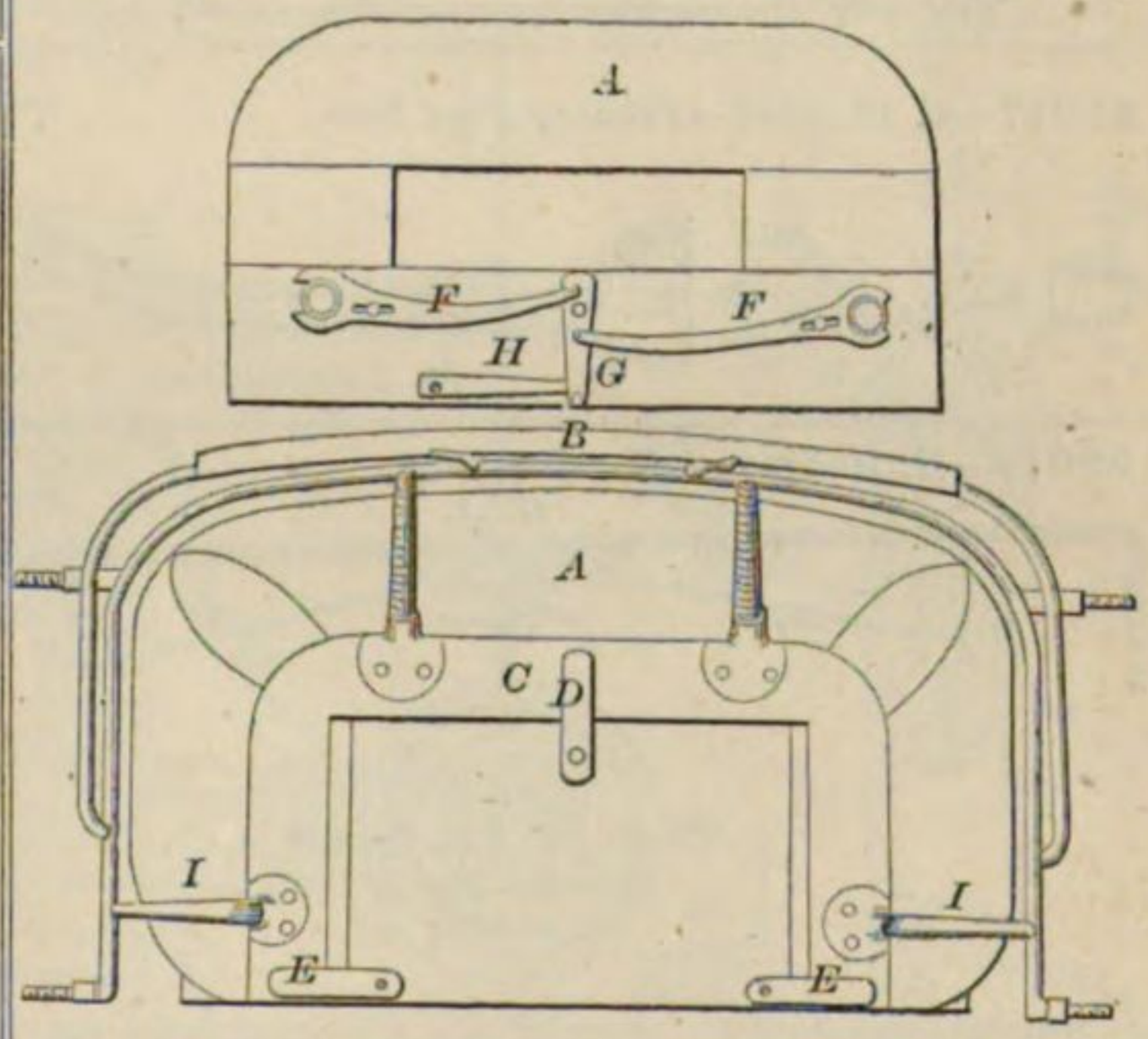
59013—J. B. Herr—*Cultivator.*



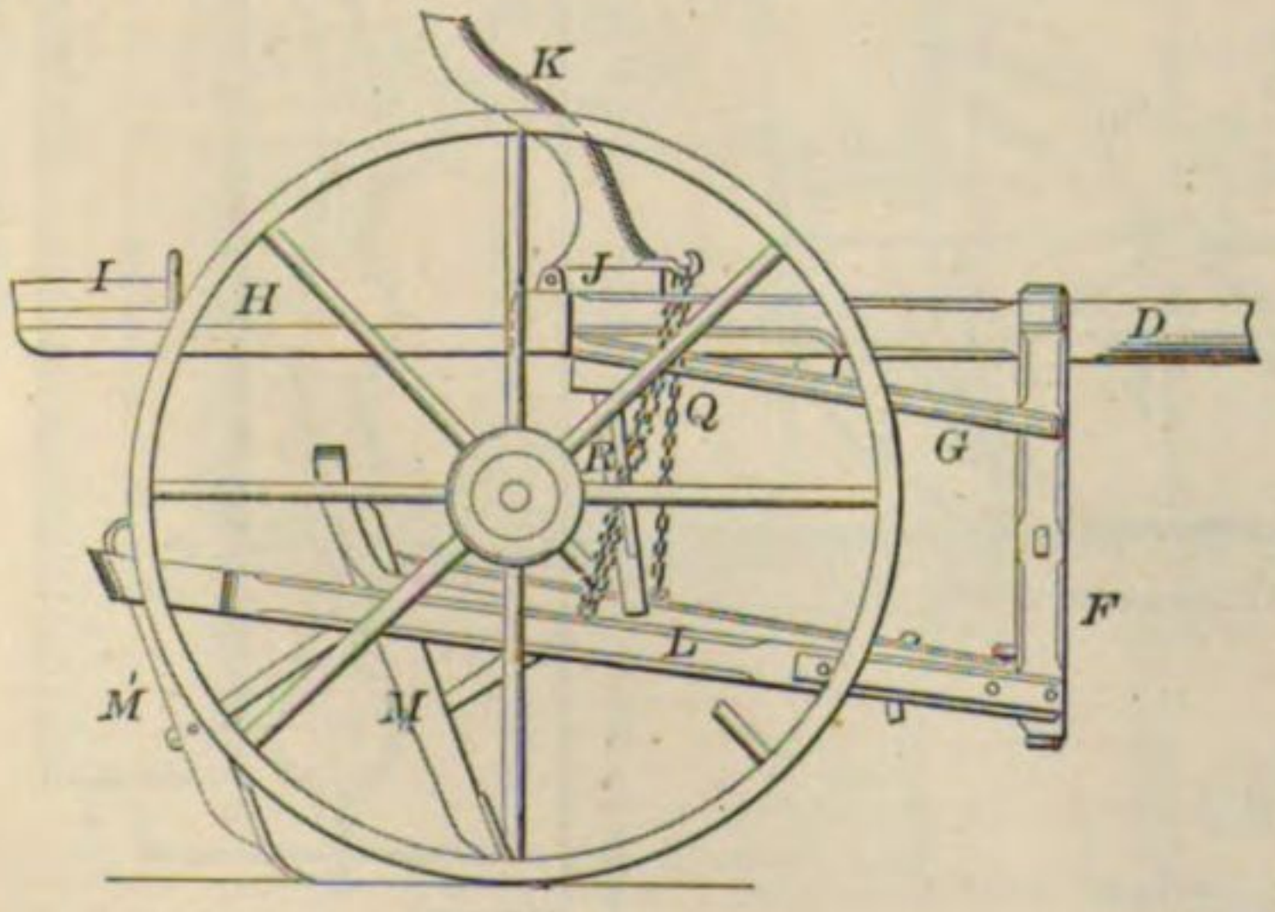
59011—J. Harris—*Broom Head.*



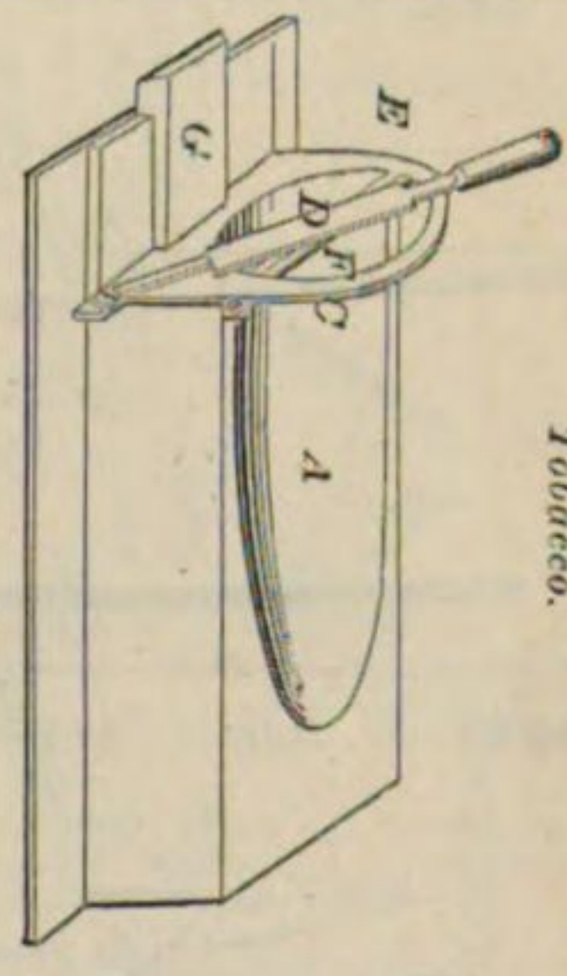
59014—A. V. Heyden—*For Shifting Carriage Tops.*



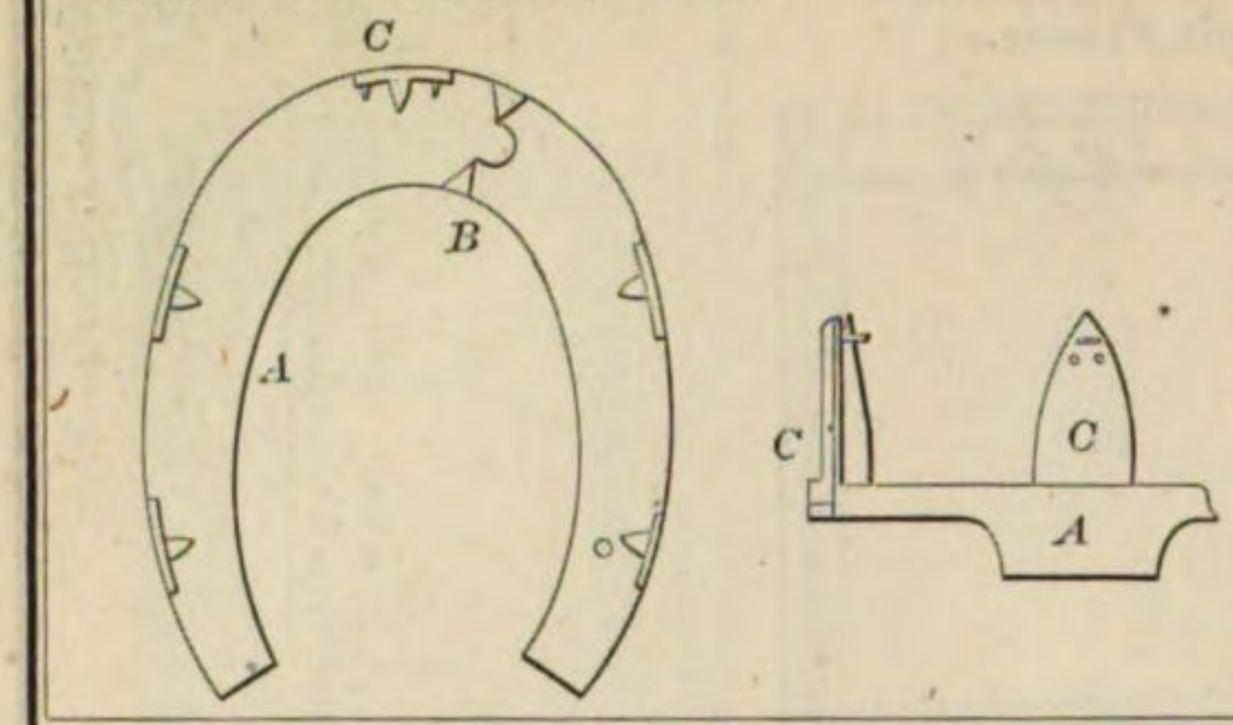
59012—J. B. Herman—*Cultivator.*



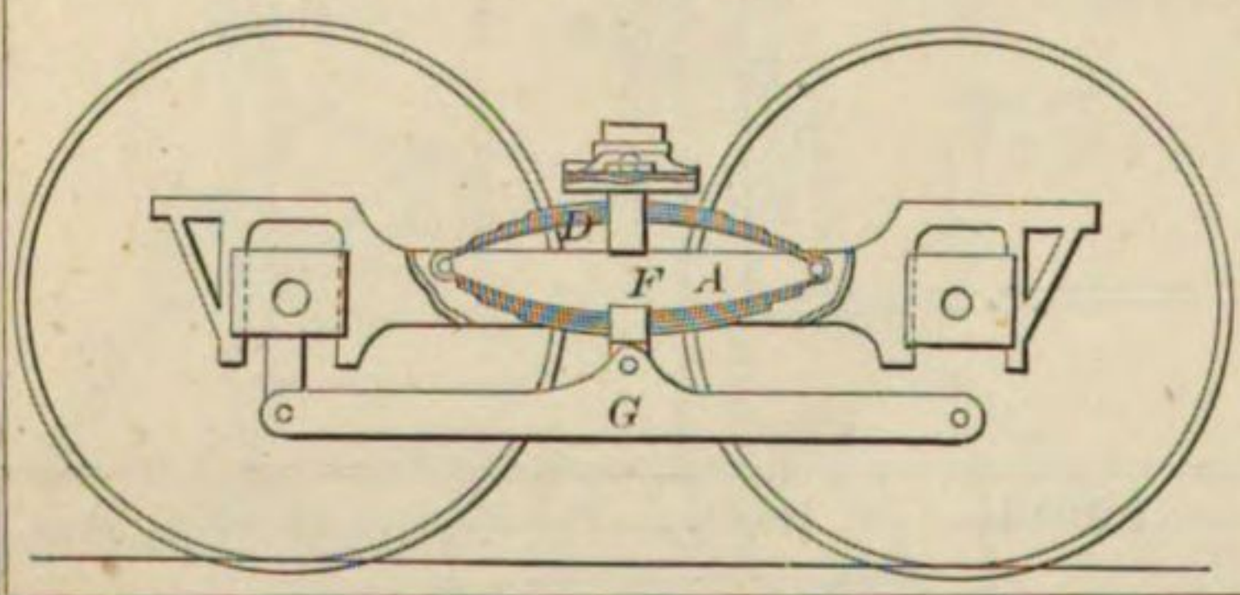
59015—L. F. Hildebrand—*For Cutting Tobacco.*



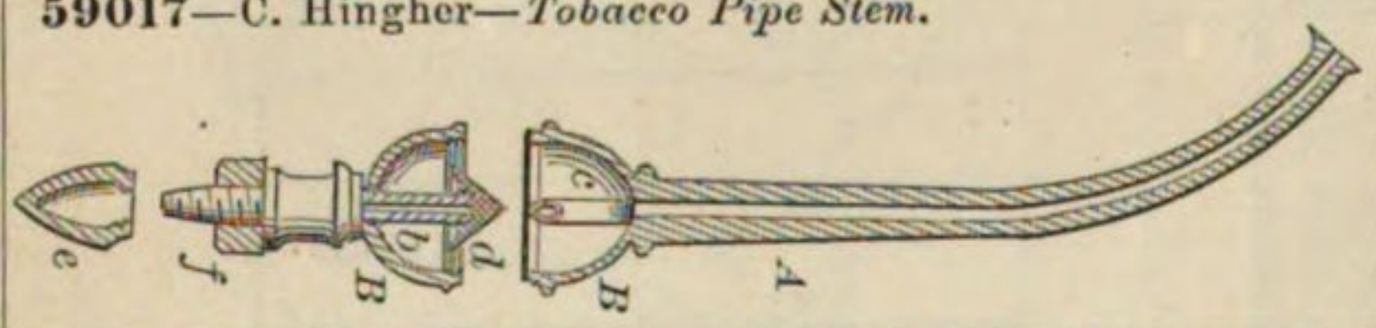
59016—W. Hinds—*Horse Shoe.*



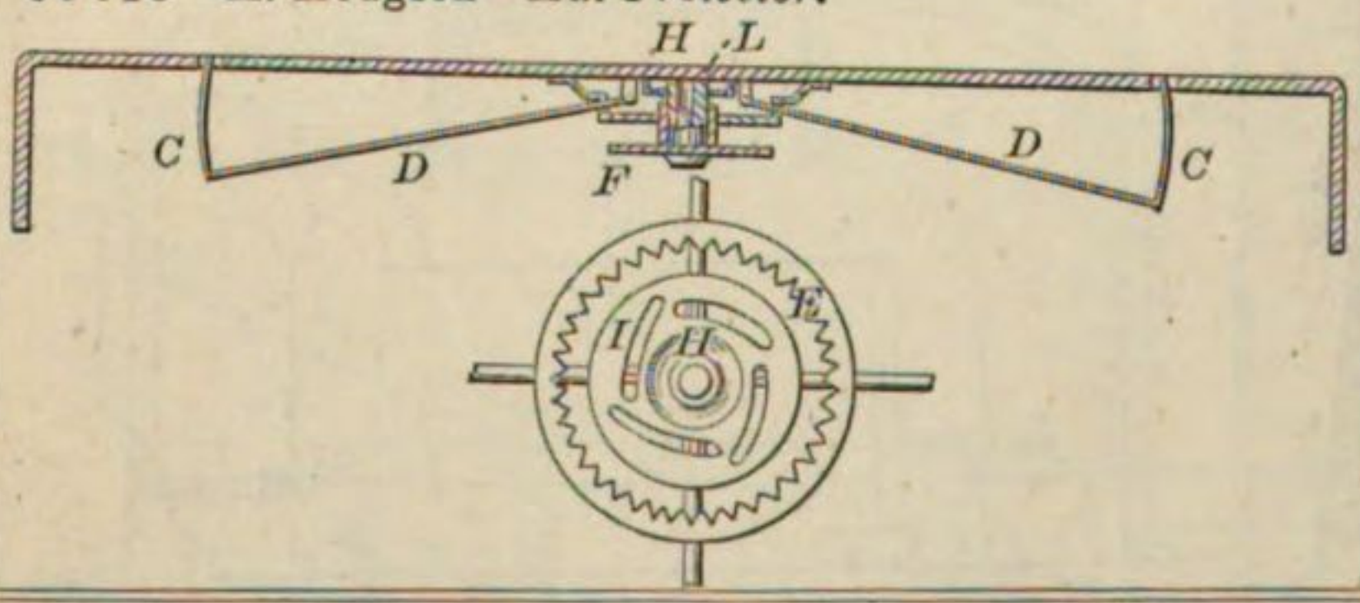
59021—J. S. Howard—*Car Truck.*



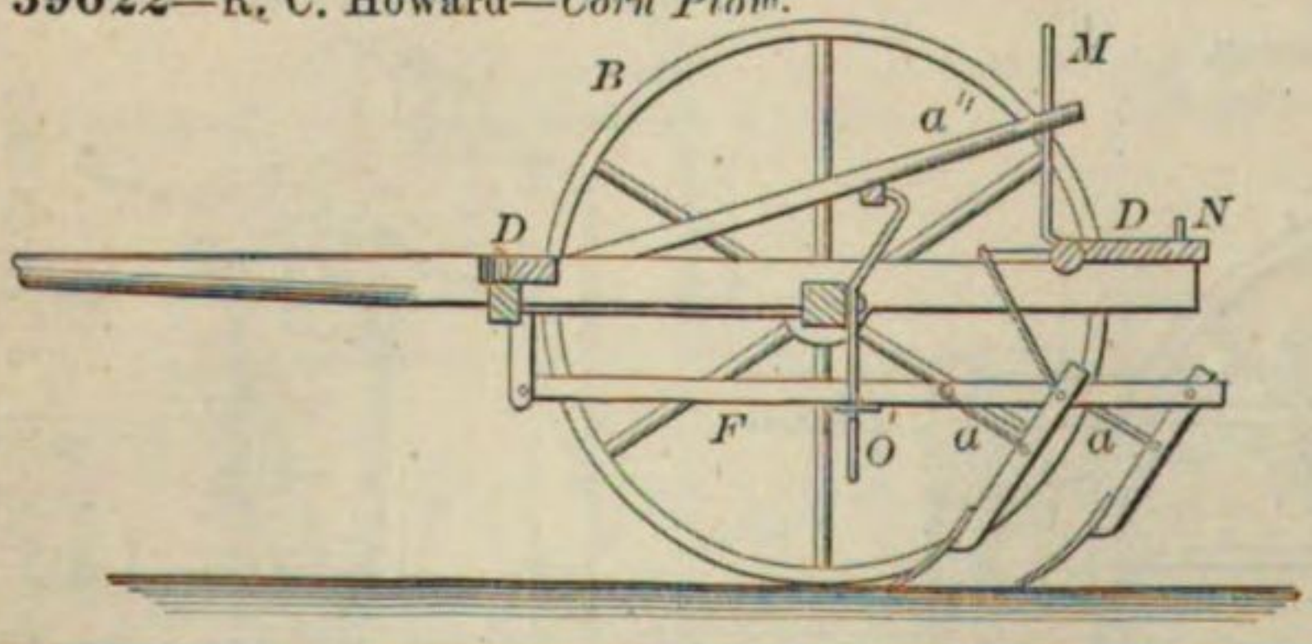
59017—C. Hingher—*Tobacco Pipe Stem.*



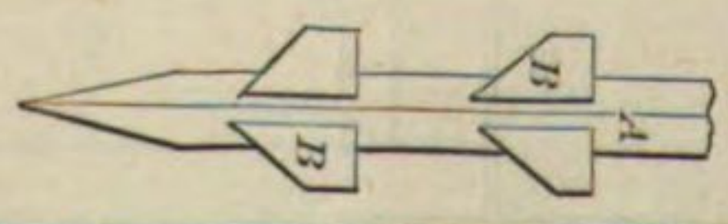
59019—H. Hodgson—*Hat Protector.*



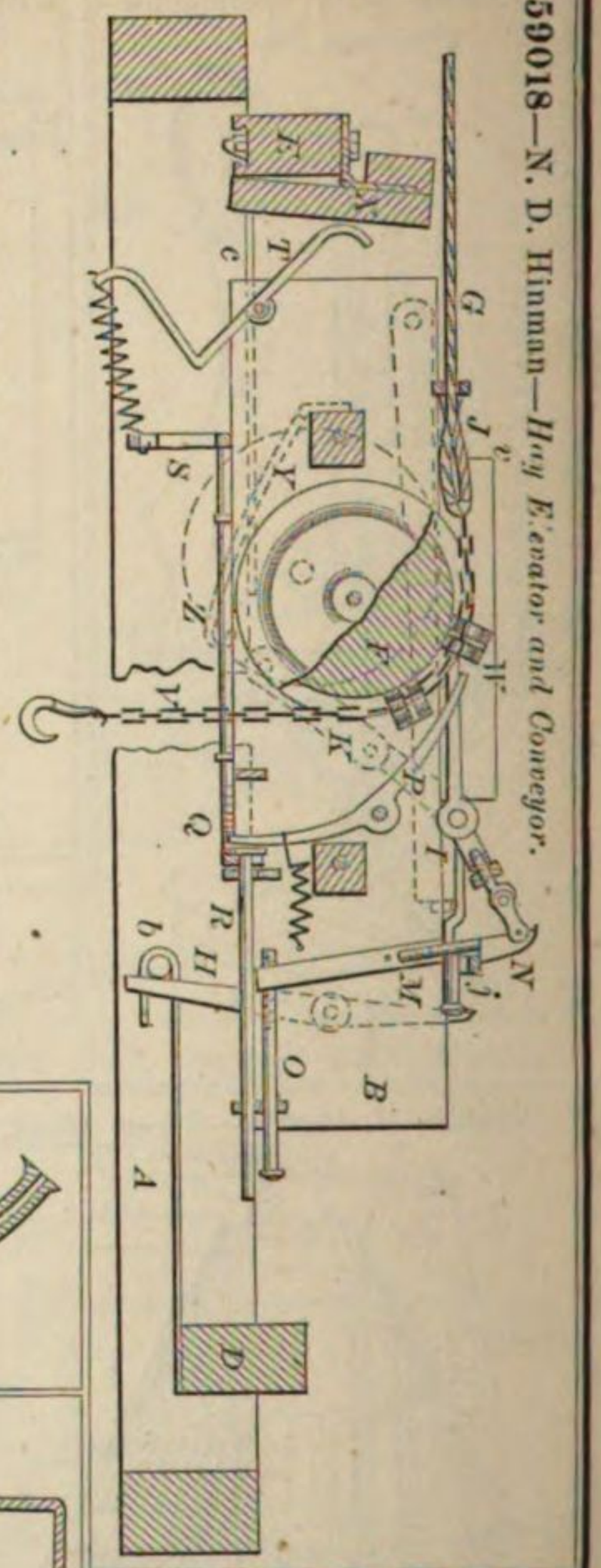
59022—R. C. Howard—*Corn Plow.*



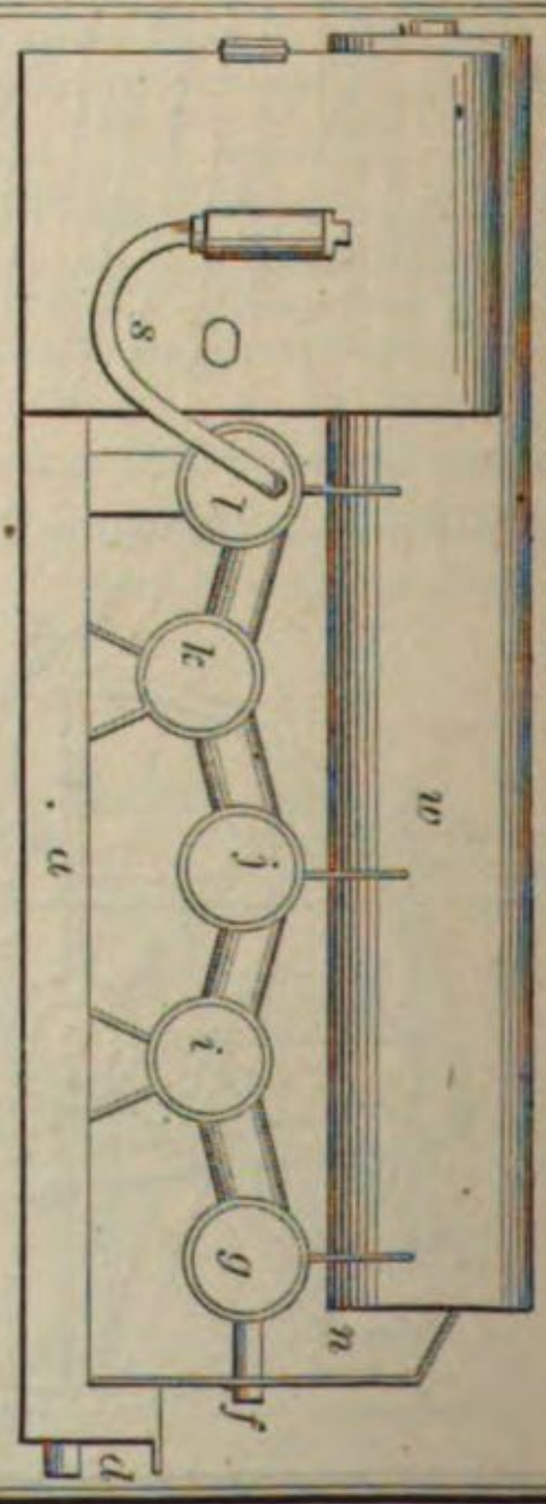
59023—W. Hunter—*Fence Post.*



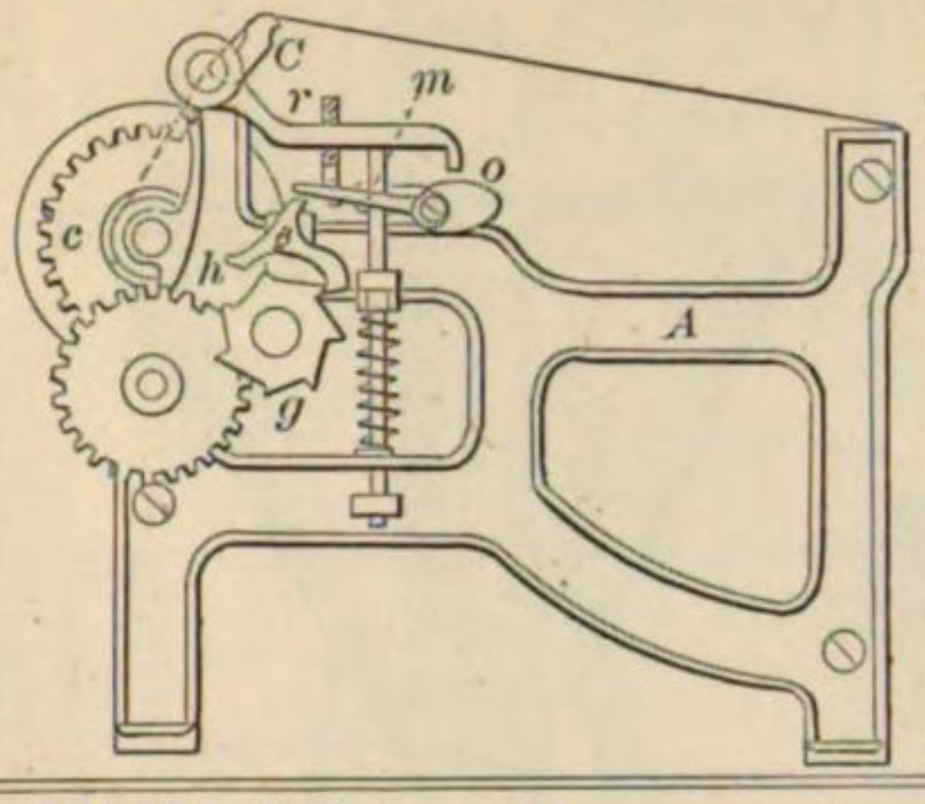
59018—N. D. Hinman—*Hay Elevator and Conveyor.*



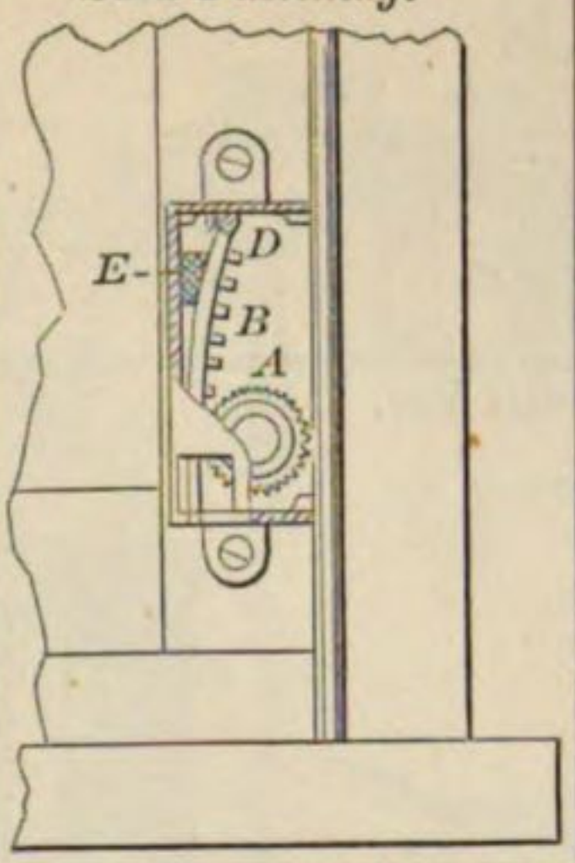
59020—P. Hoelzel—*Steam Generator.*



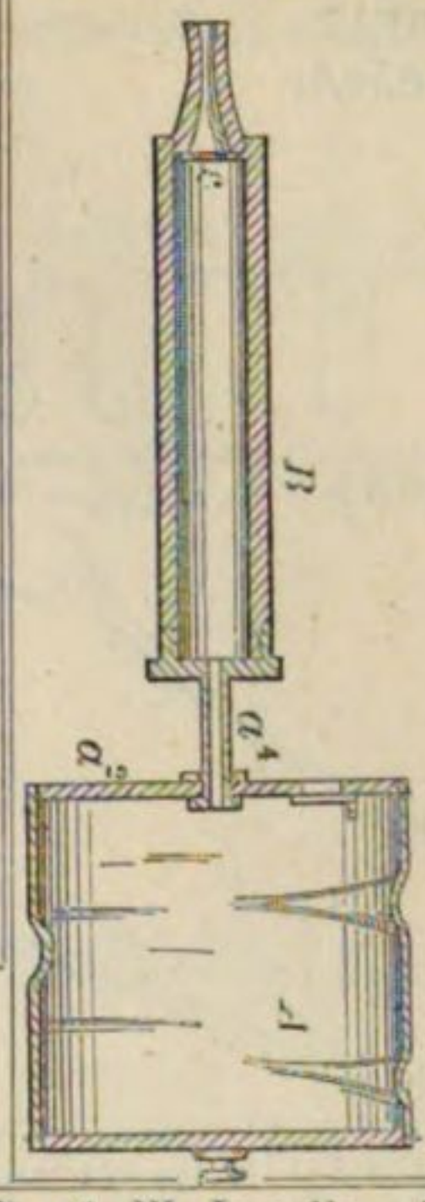
59024—D. Hussey—*Let-off for Looms.*



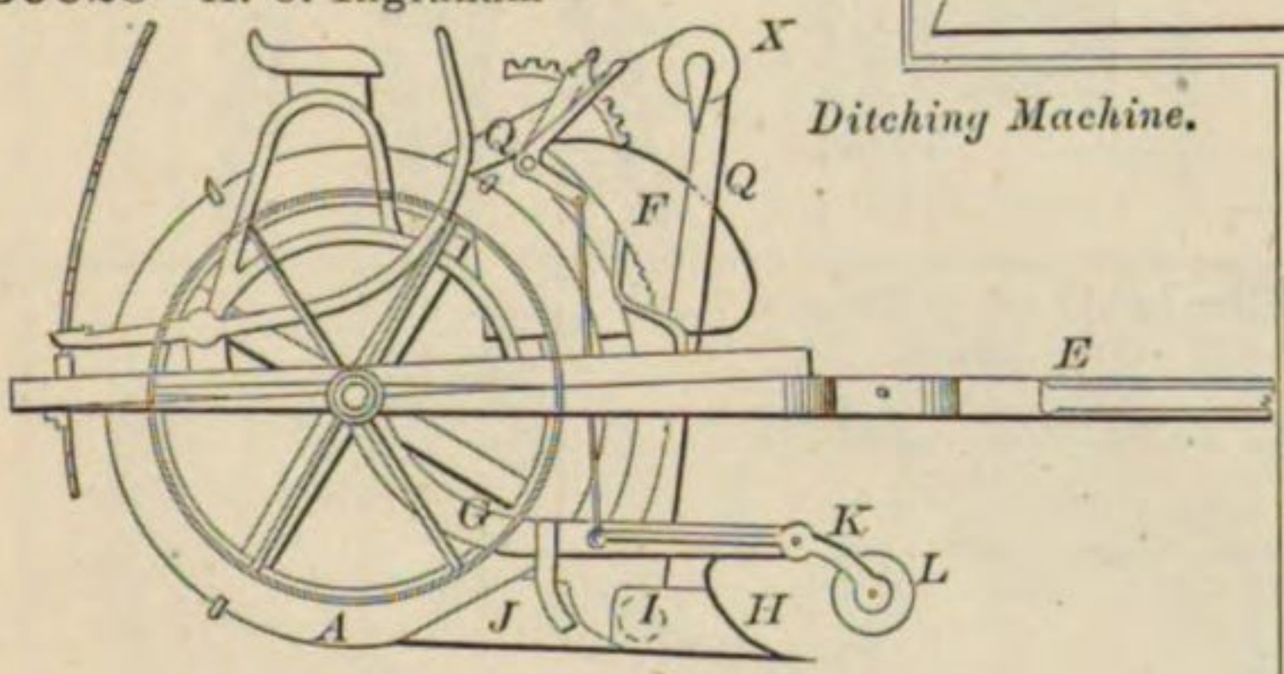
59026—B. S. Hyers—*Sash Fastening.*

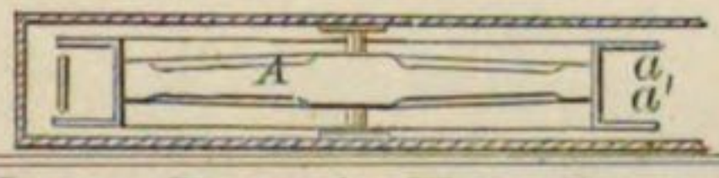


59025—I. Hutchins, Jr.—*Fumigator.*

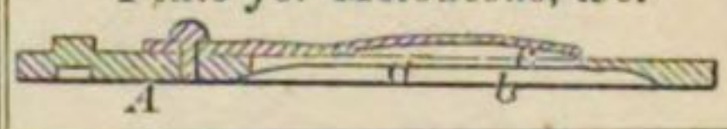


59028—H. C. Ingraham—*Ditching Machine.*

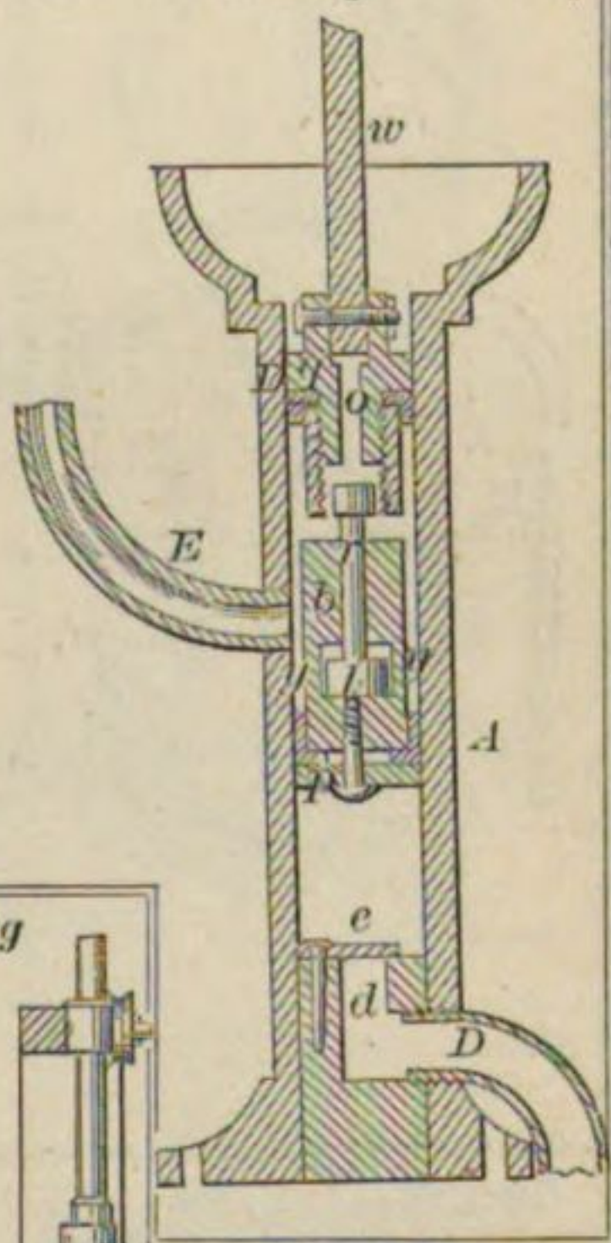




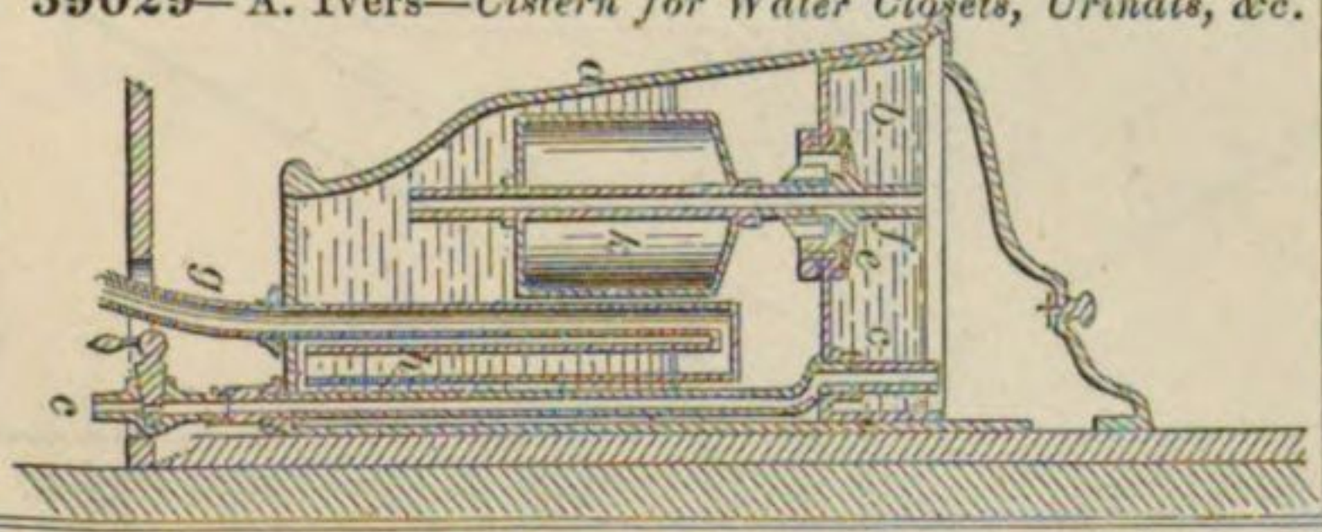
59027—G. W. Ingalls—*Reed Plate for Melodeons, &c.*



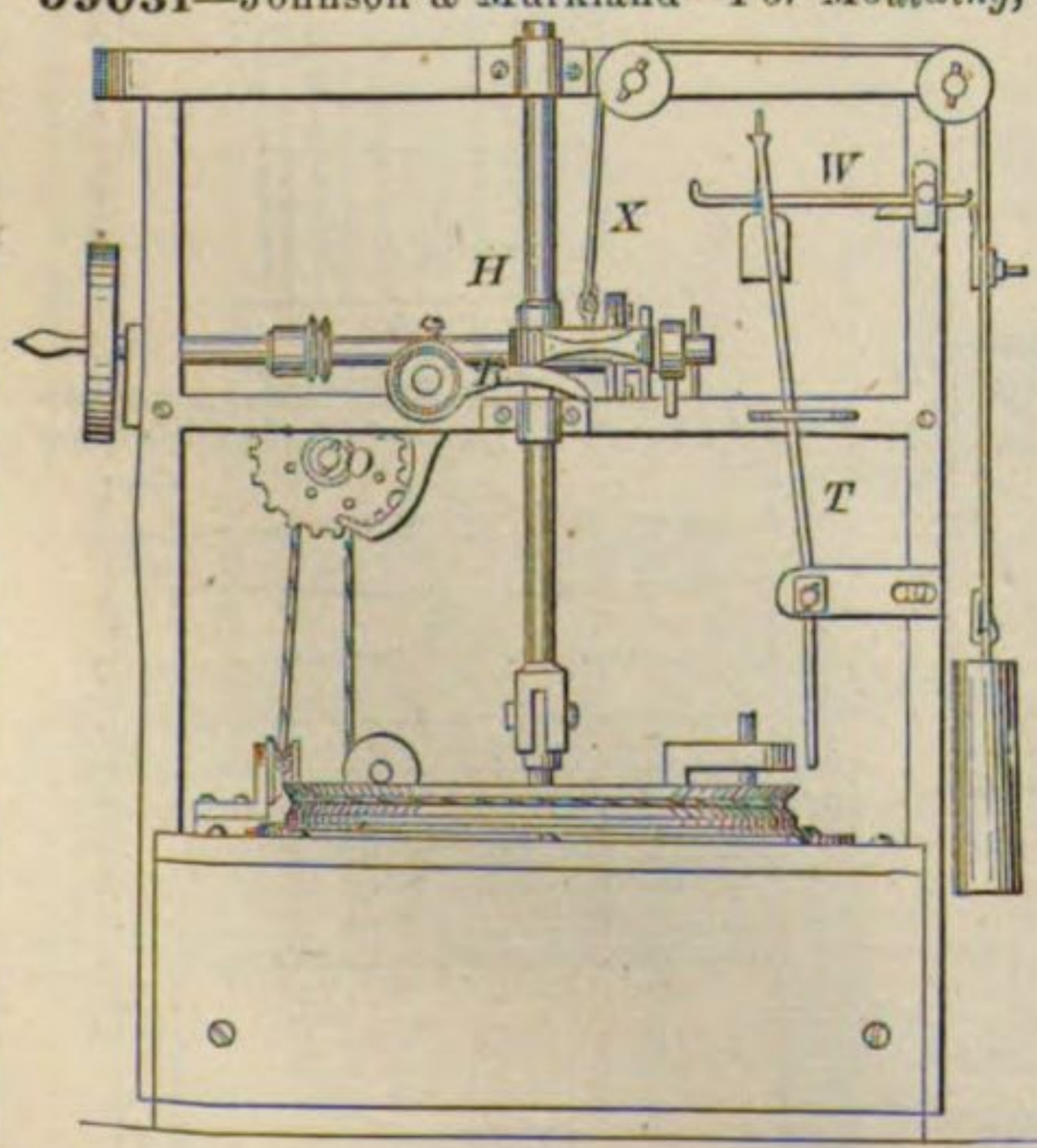
59030—D. L. Jaques—*Pump.*

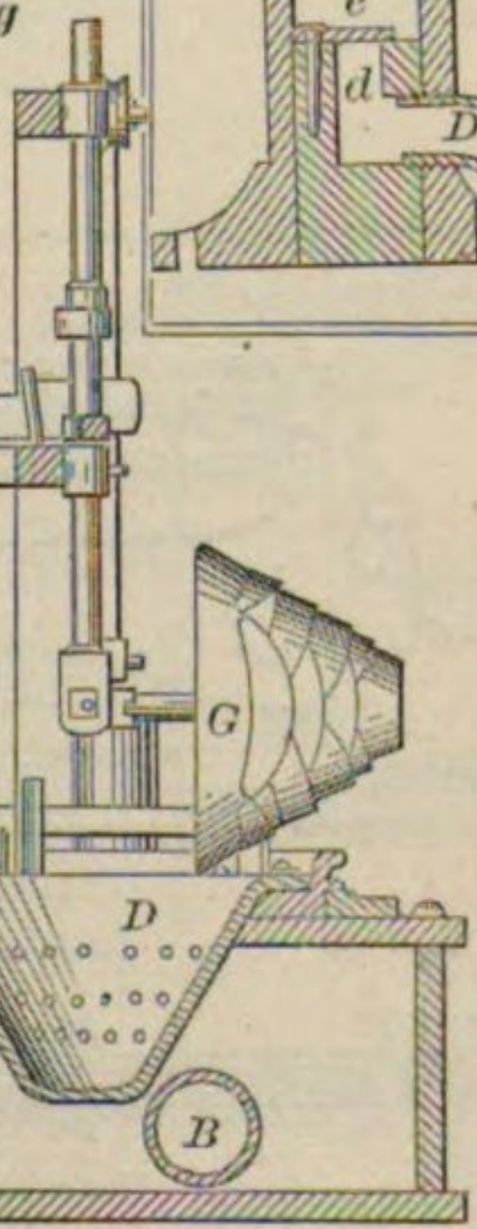


59029—A. Ivers—*Cistern for Water Closets, Urinals, &c.*

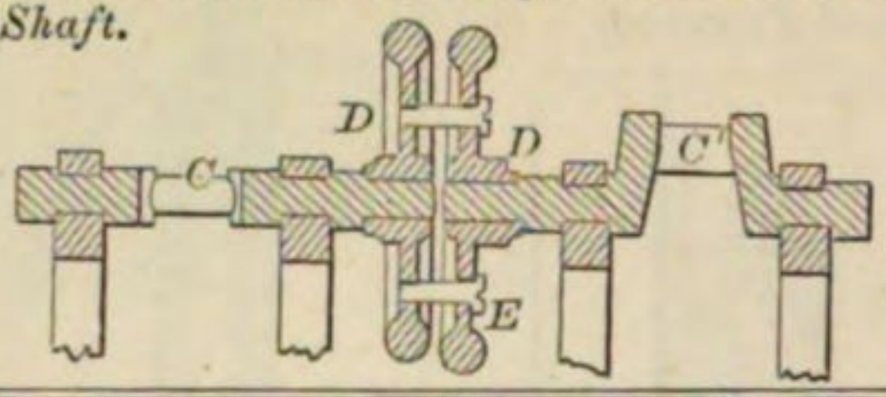


59031—Johnson & Murkland—*For Moulding, Felting and Fulling Hat Bodies.*

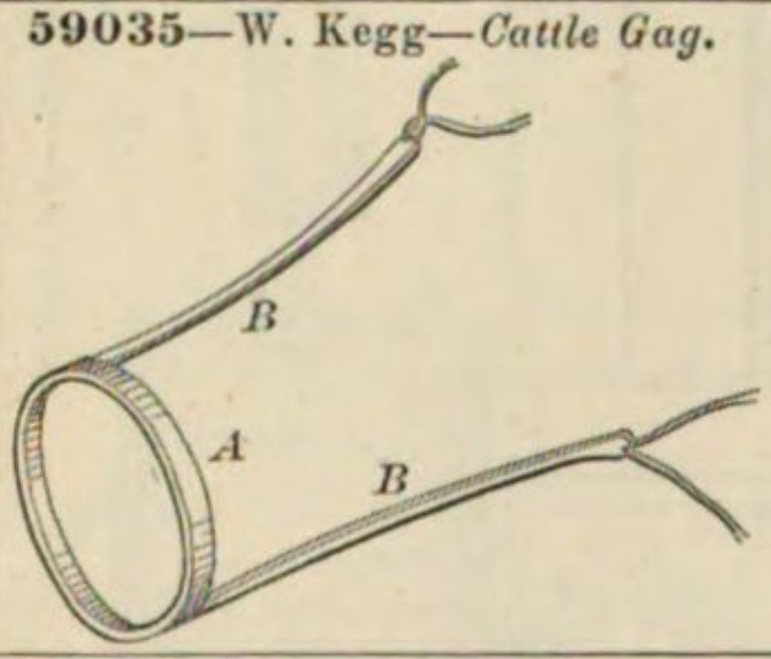




59032—E. B. Jucket—*Fly Wheel and Crank Shaft.*

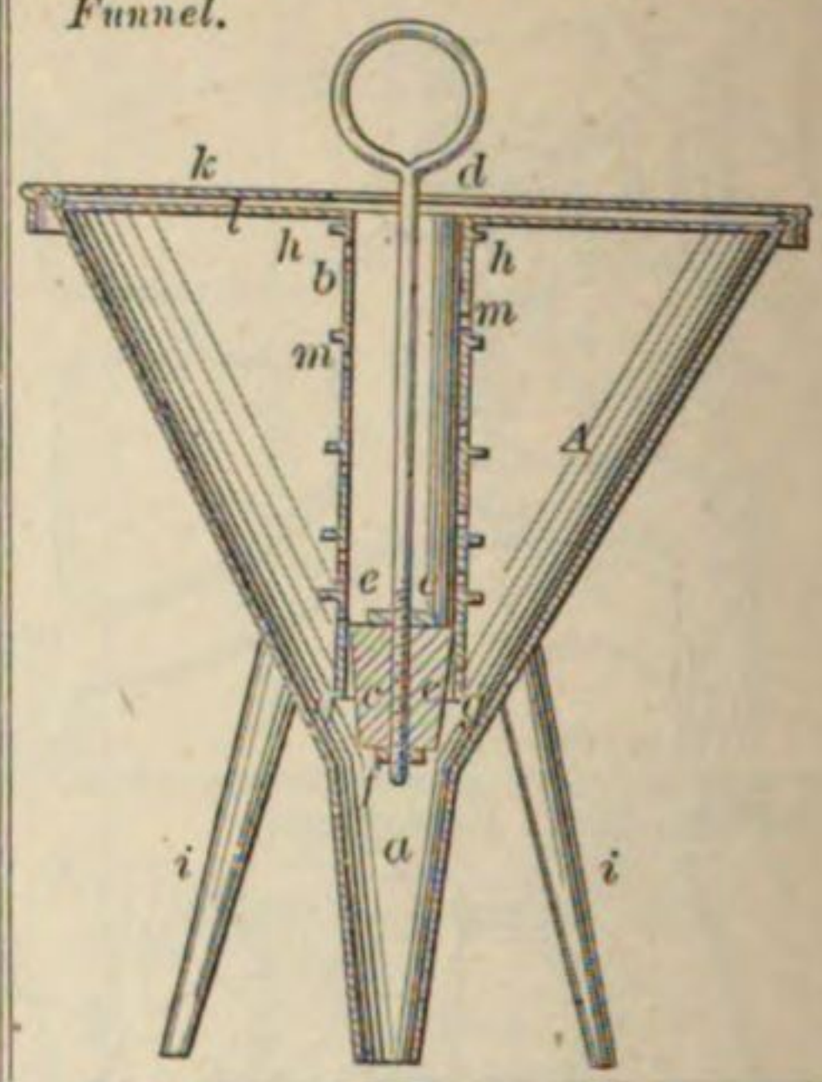


59035—W. Kegg—*Cattle Gag.*

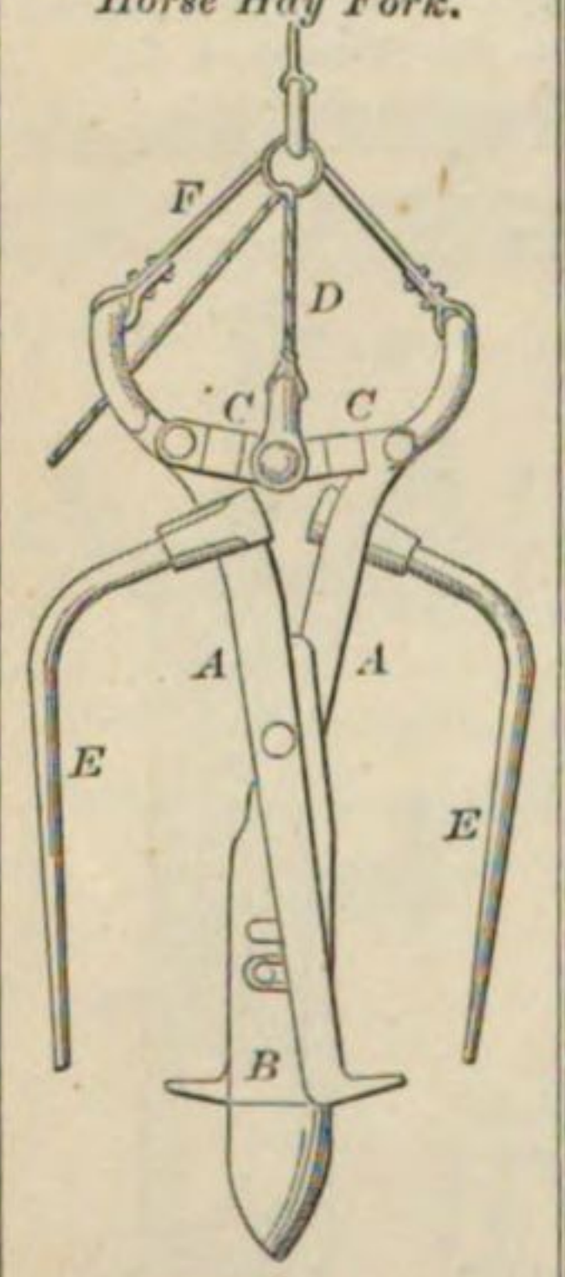


59037—A. P. Kimmey—*Spindle Step.*

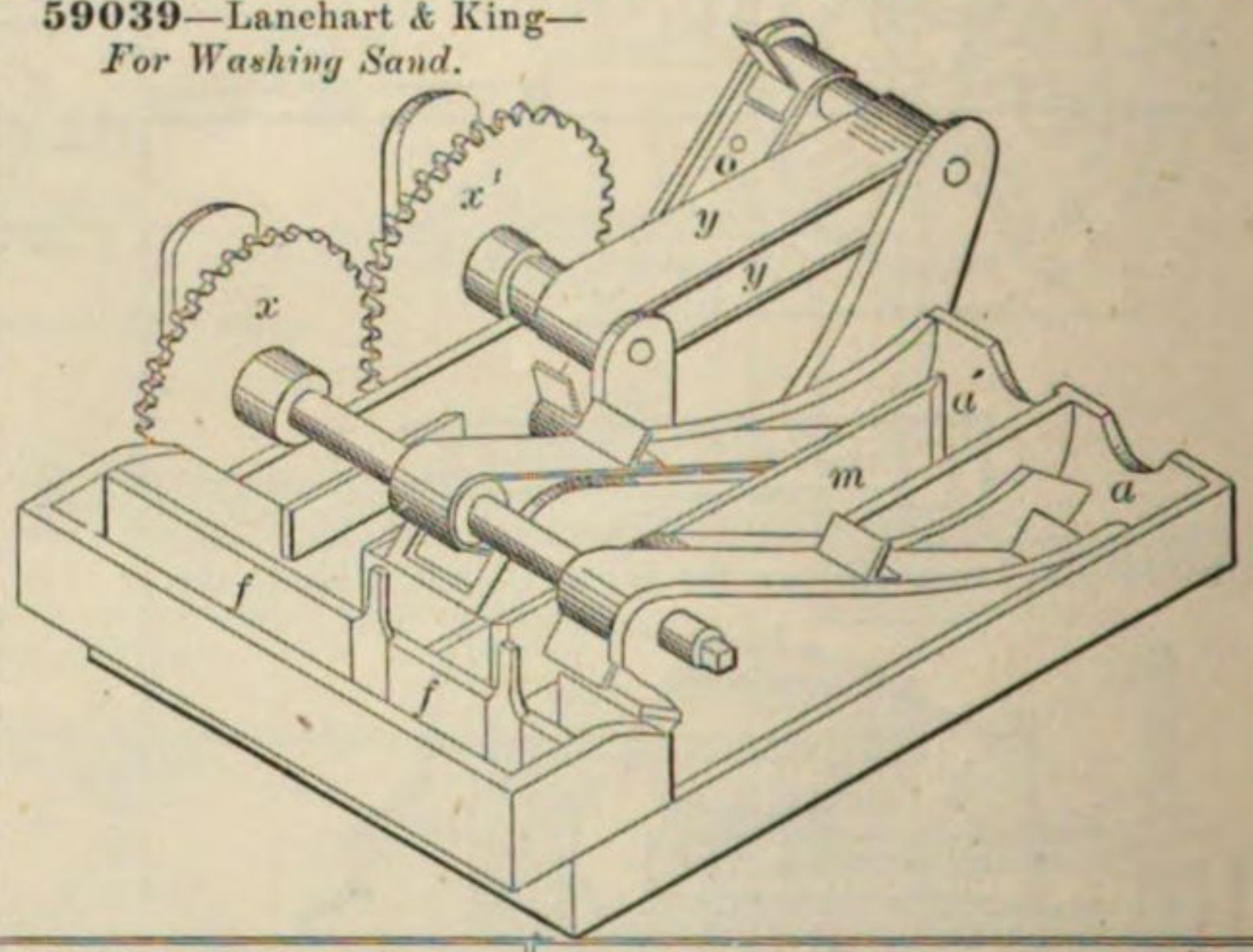
59034—W. E. Keene—*Measuring Funnel.*



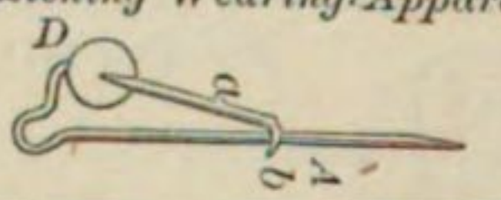
59033—H. Kauffman—*Horse Hay Fork.*



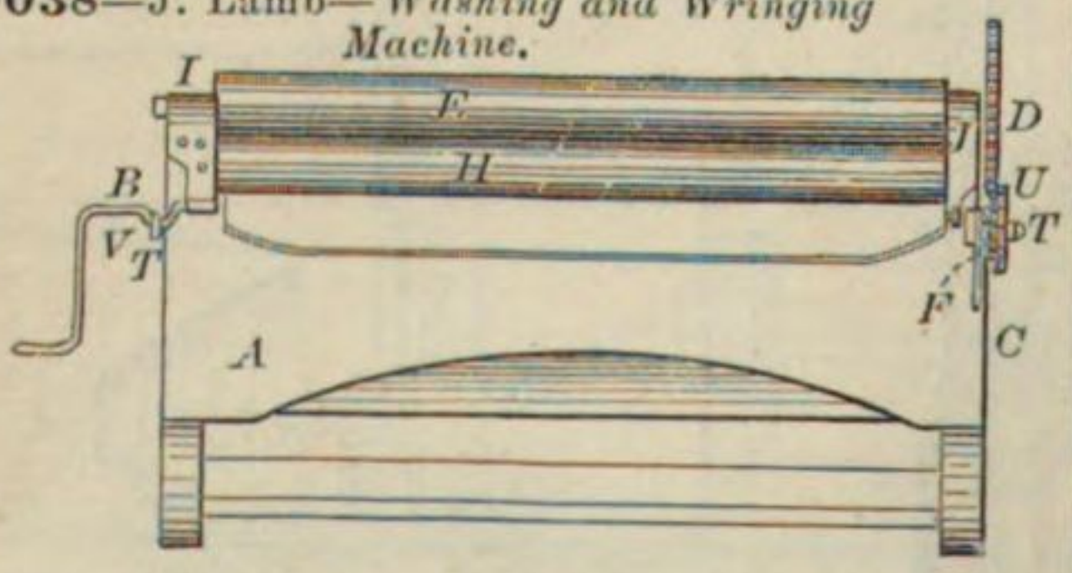
59039—Lanehart & King—*For Washing Sand.*

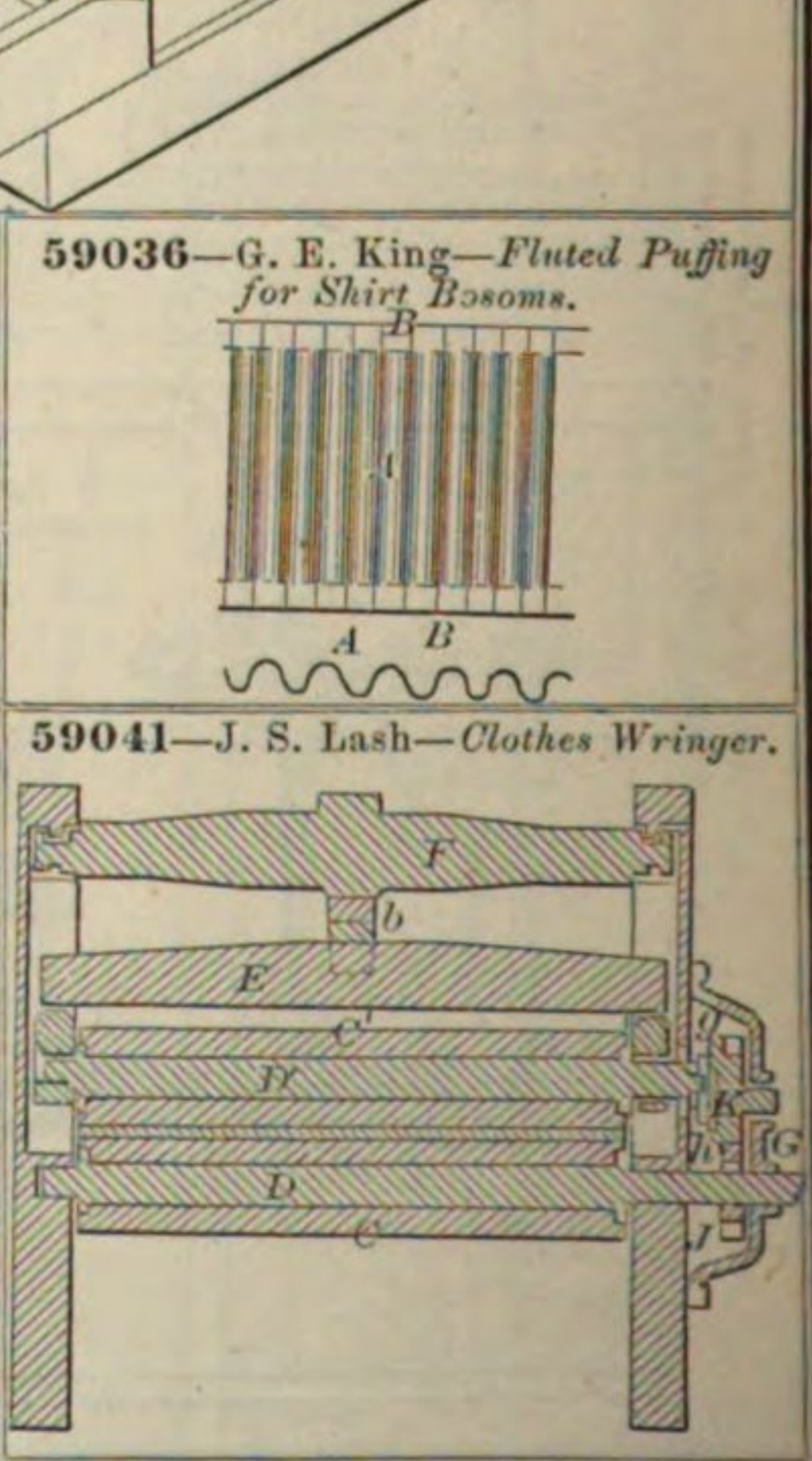


59040—Lindsay & Moses—*Hook Pin for Fastening Wearing Apparel.*

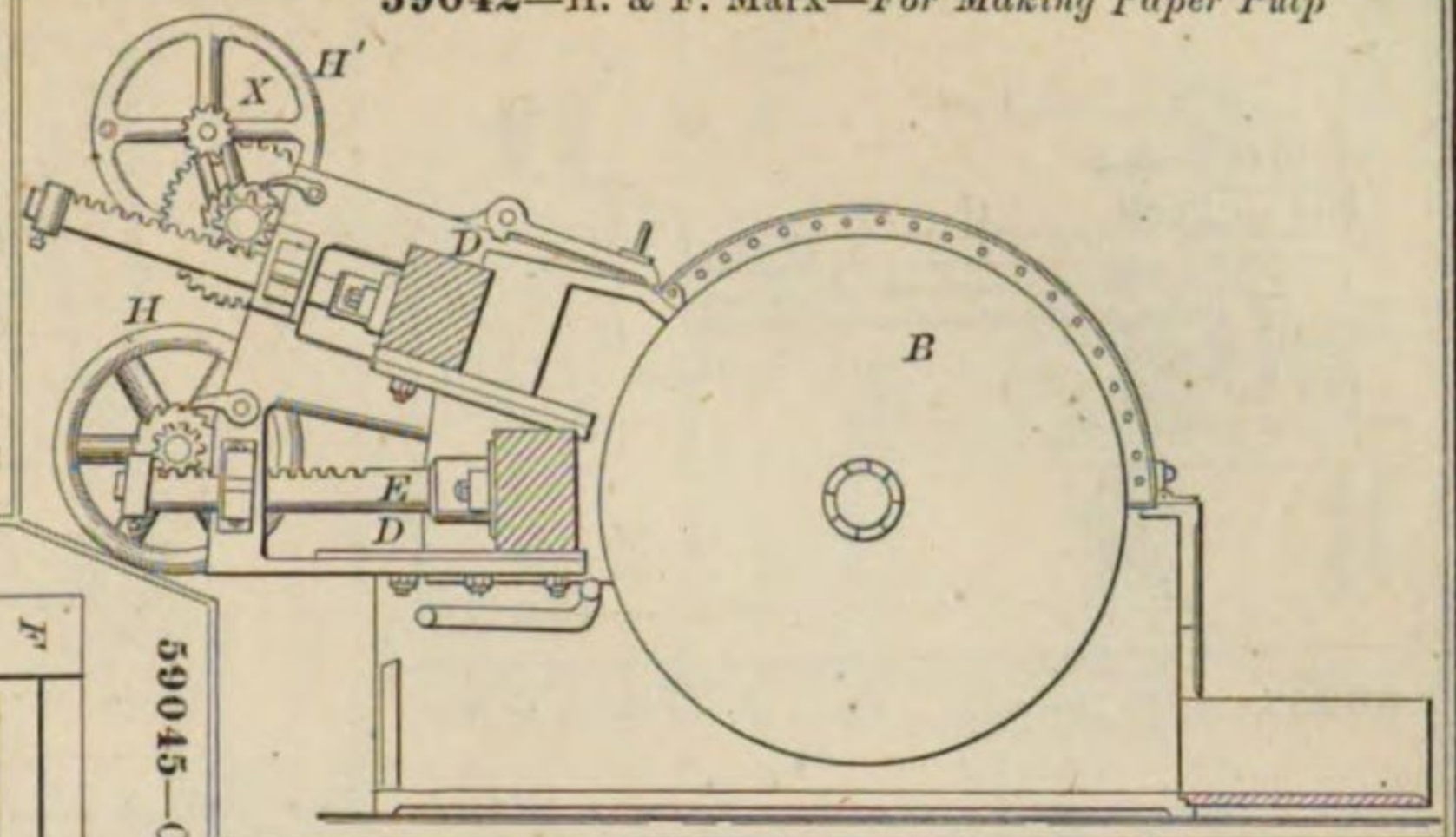


59036—G. E. King—*Fluted Puffing for Shirt Bosoms.*

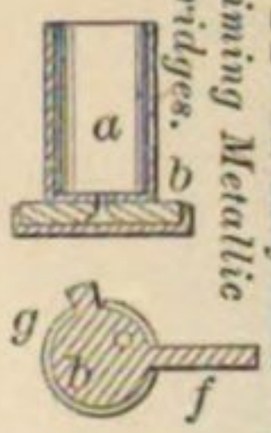
59038—J. Lamb—*Washing and Wringing Machine.*

59041—J. S. Lash—*Clothes Wringer.*



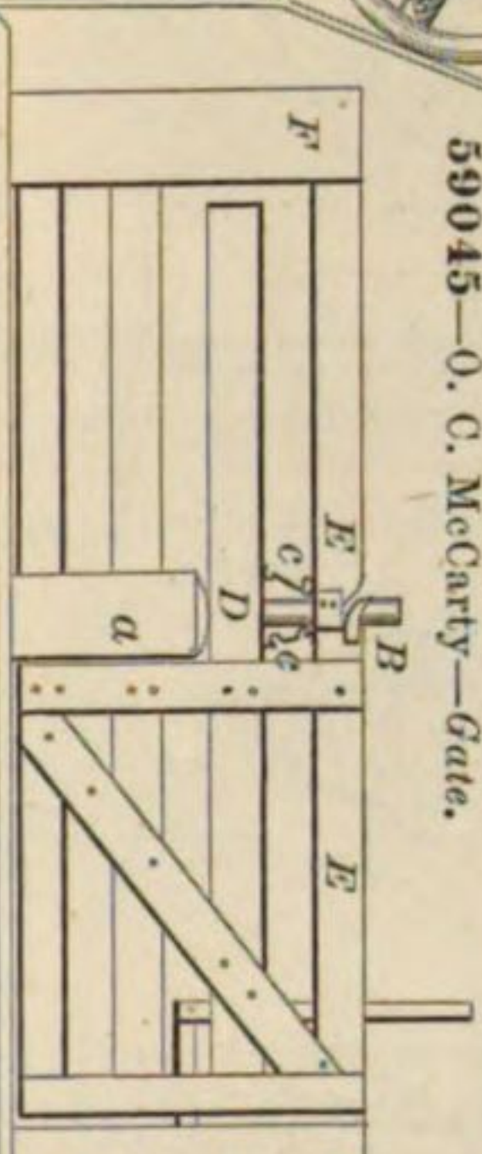
59042—H. & F. Marx—*For Making Paper Pulp*



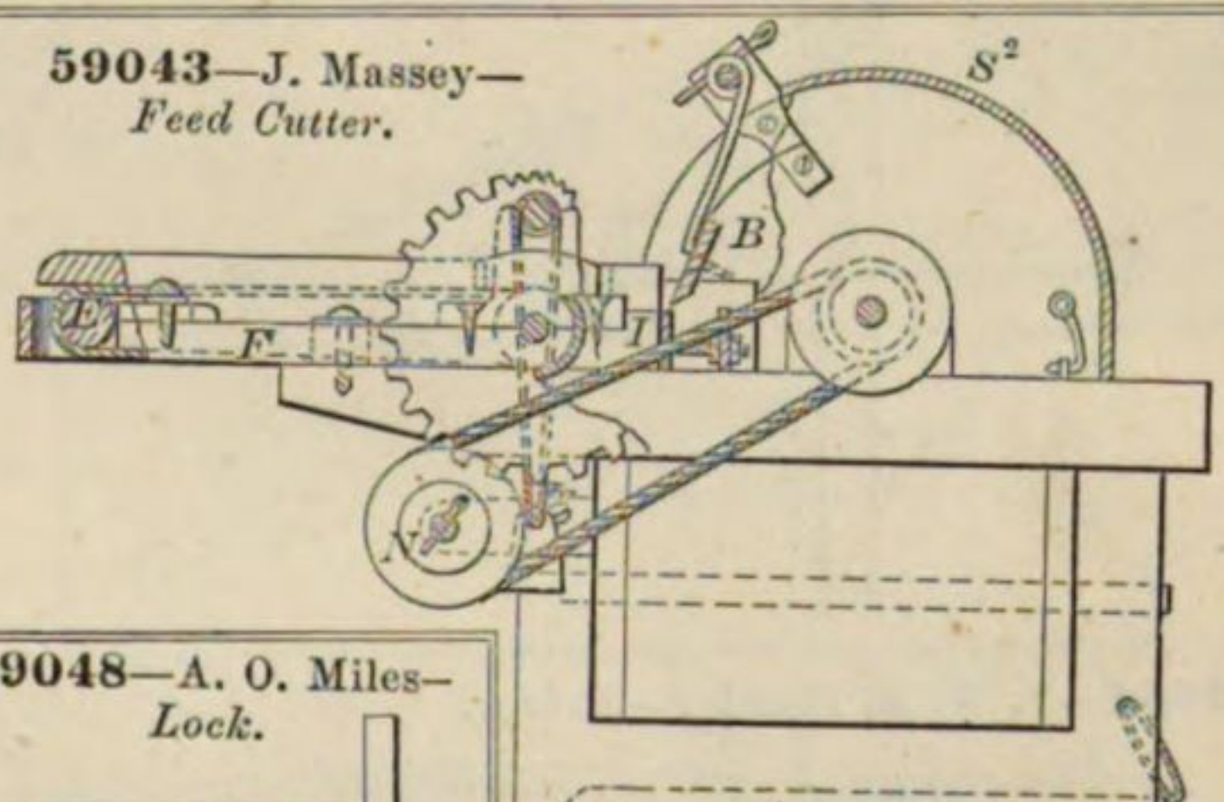
59044—E. Maynard—*For Priming Metallic Cartridges.*



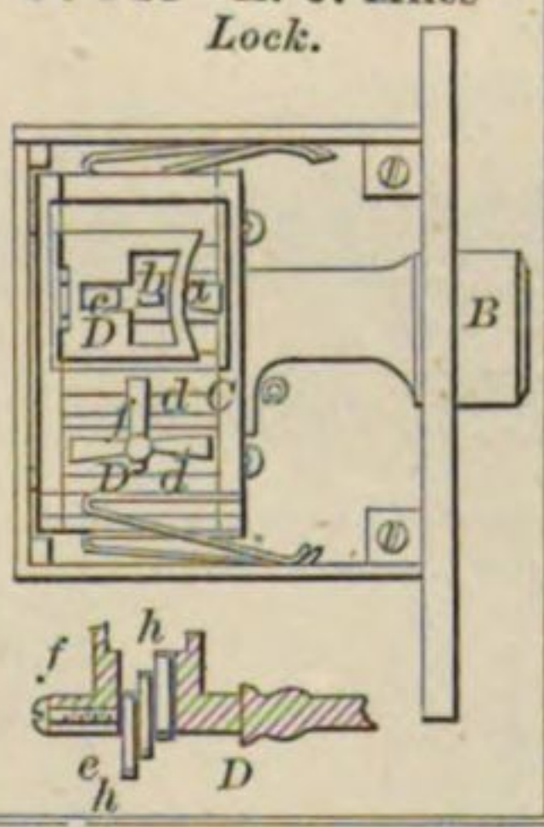
59045—O. C. McCarty—*Gate.*



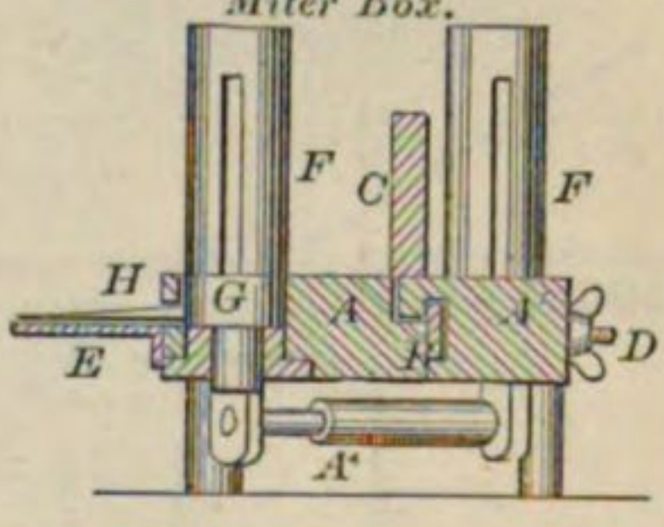
59043—J. Massey—
Feed Cutter.



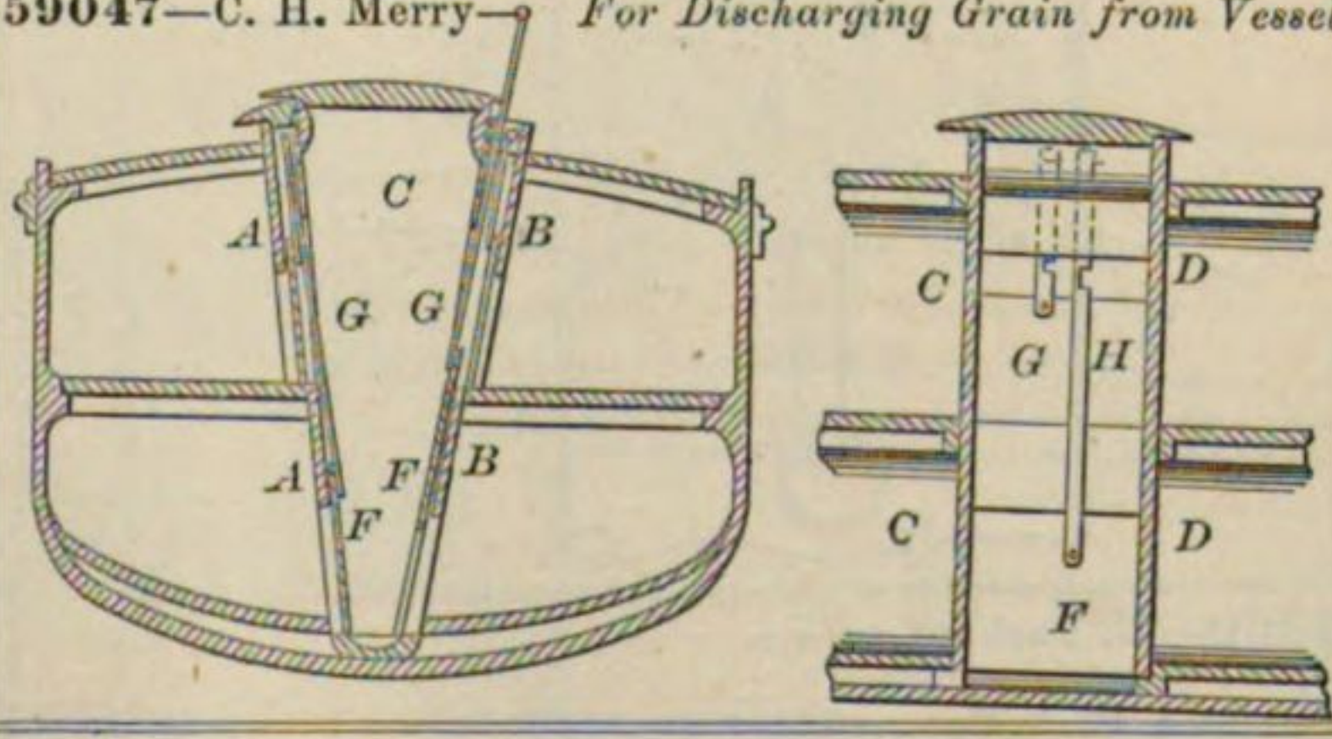
59048—A. O. Miles—
Lock.



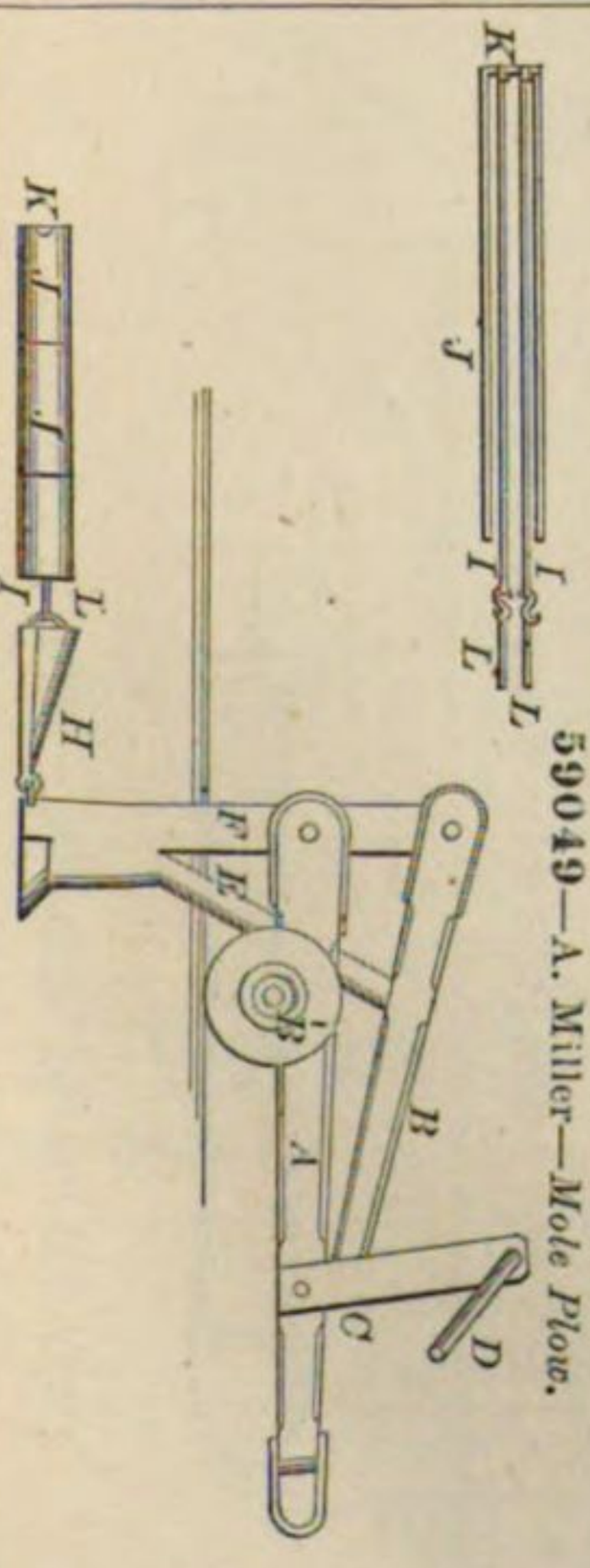
59046—J. A. McKinstry.
Miter Box.



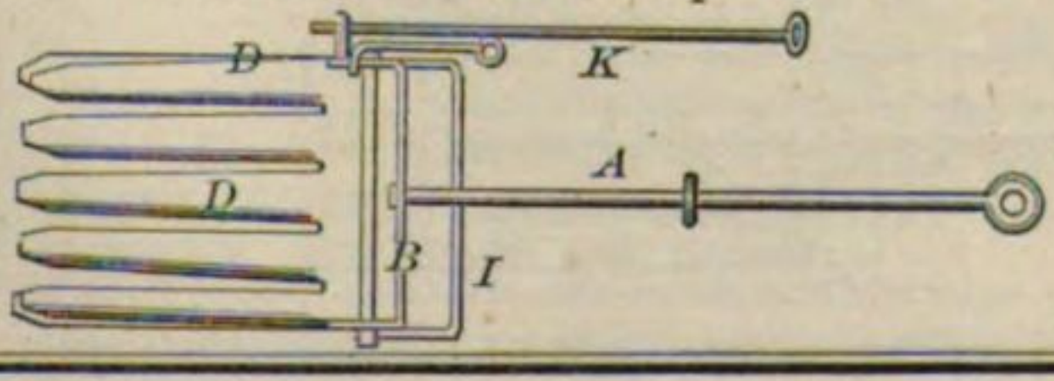
59047—C. H. Merry—*For Discharging Grain from Vessels.*



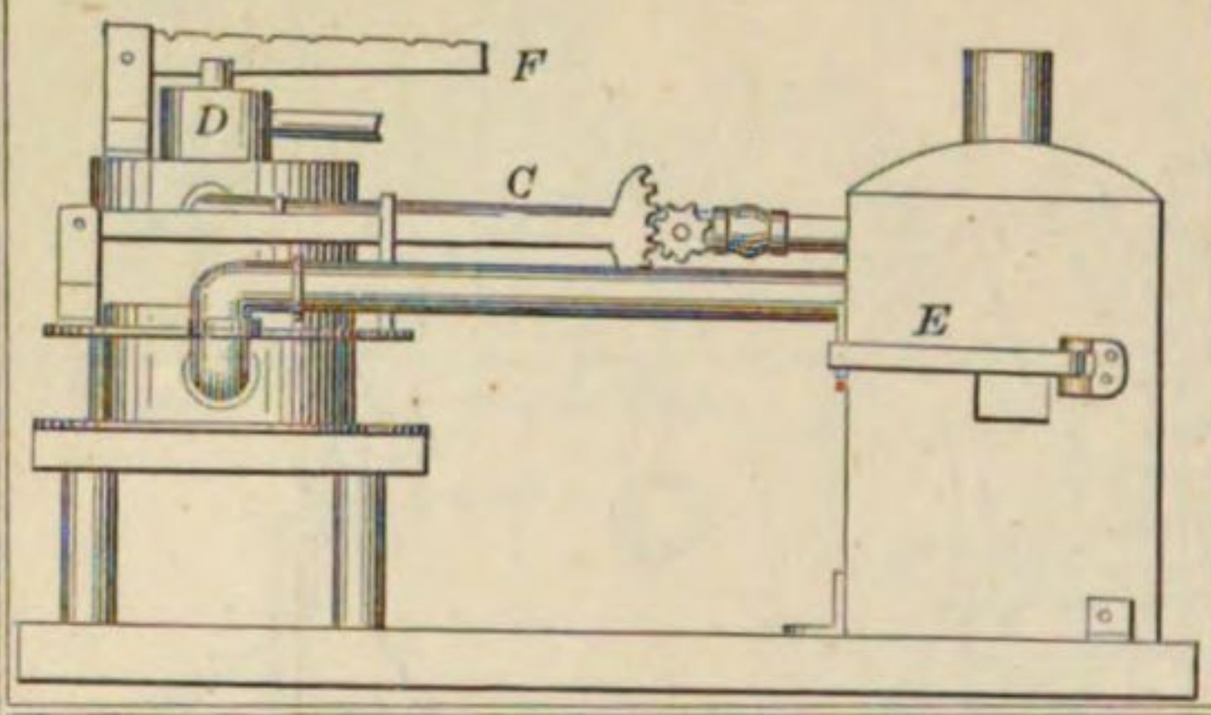
59049—A. Miller—*Mole Plow.*



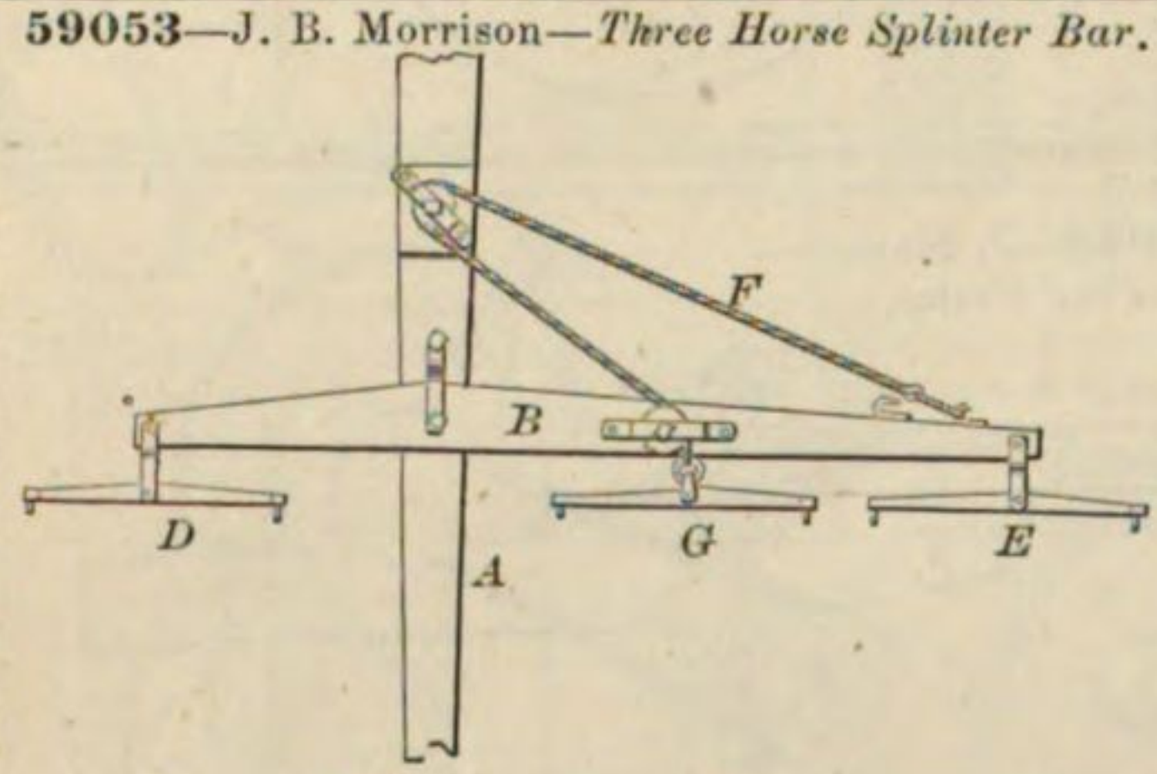
59050—W. H. Miller—*Rake and Spade.*



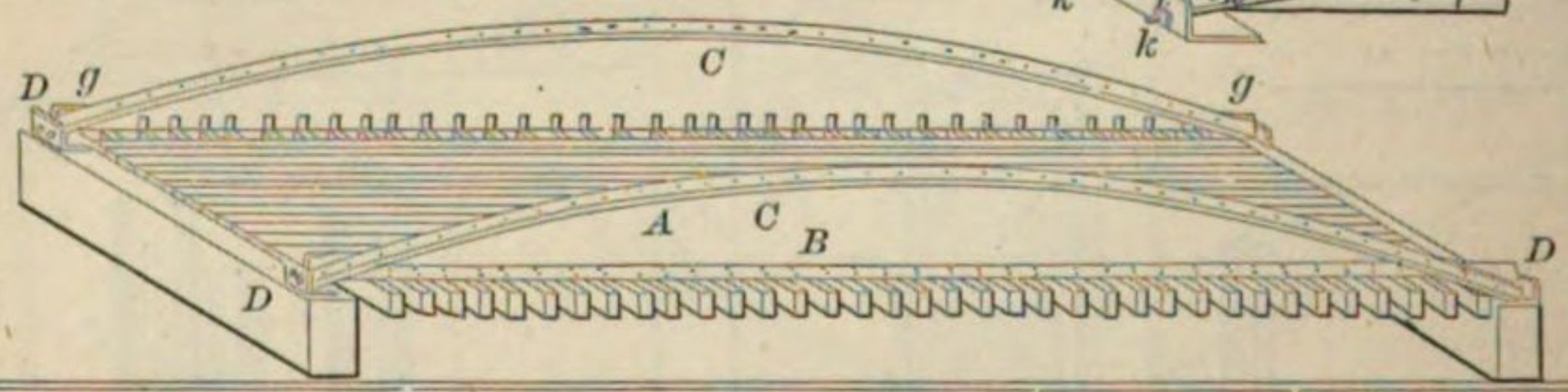
59051—T. Mitchell—*Steam Generator.*



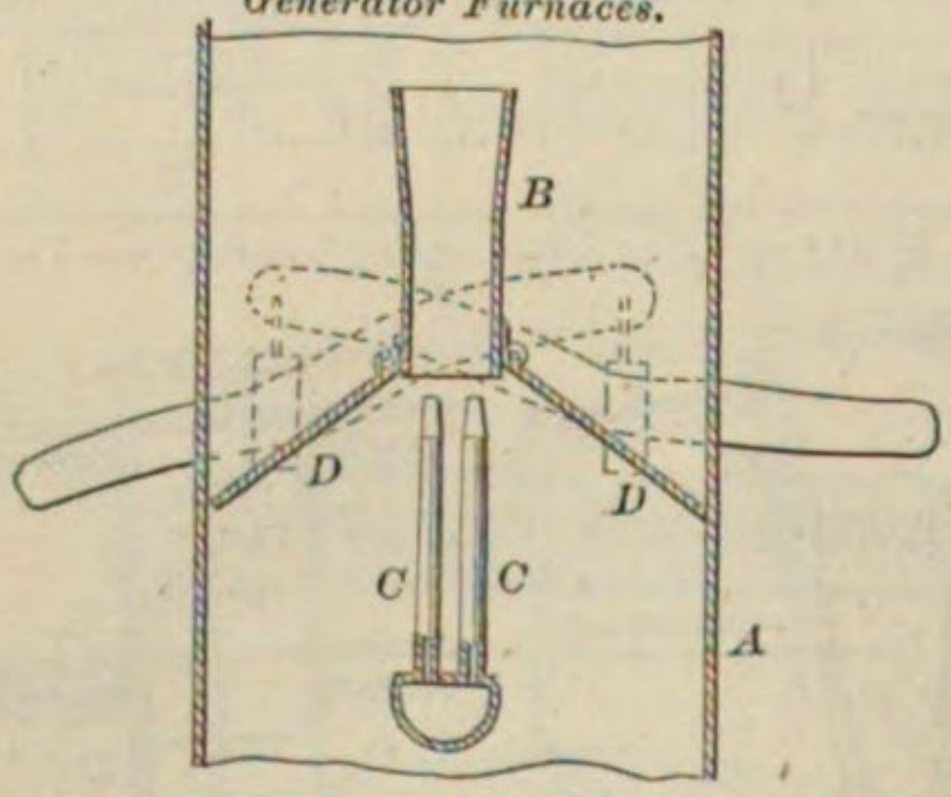
59053—J. B. Morrison—*Three Horse Splinter Bar.*



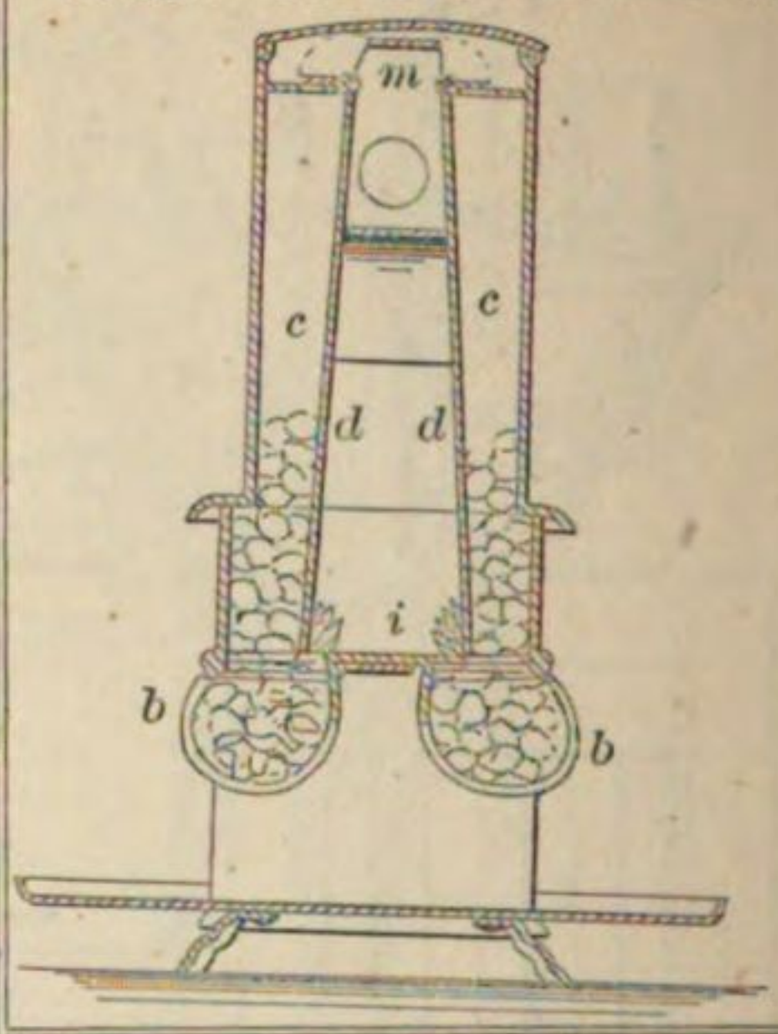
59054—T. W. H. Moseley—*Bridge.*



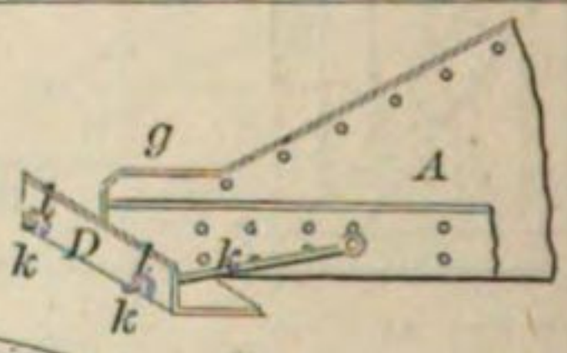
59055—D. M. Nichols—*Steam Jet for Steam Generator Furnaces.*



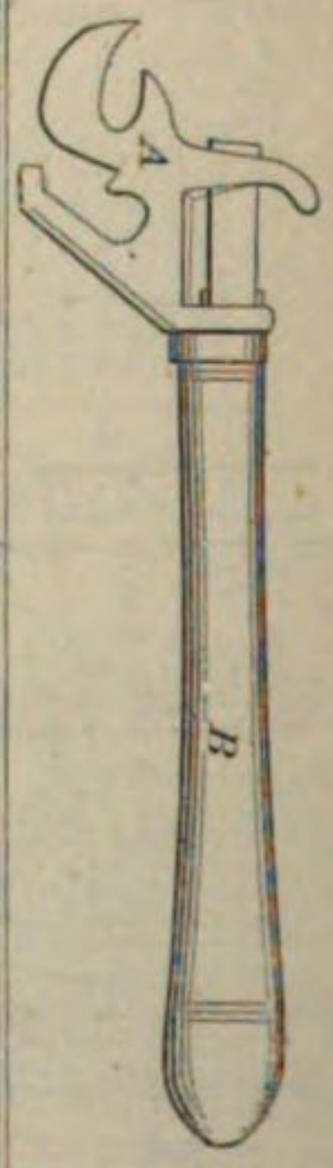
59057—G. Nimms—*Stove Grate.*



59056—R. Nickson—*Carriage Top Protector.*

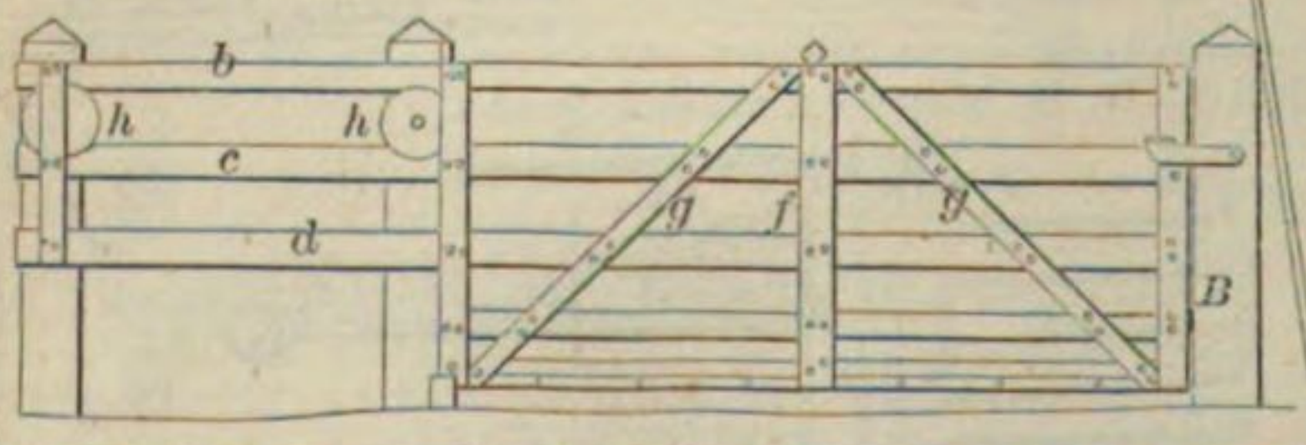


59058—J. B. Oakey—*Stove Cover, Pot and Pan Lifter.*

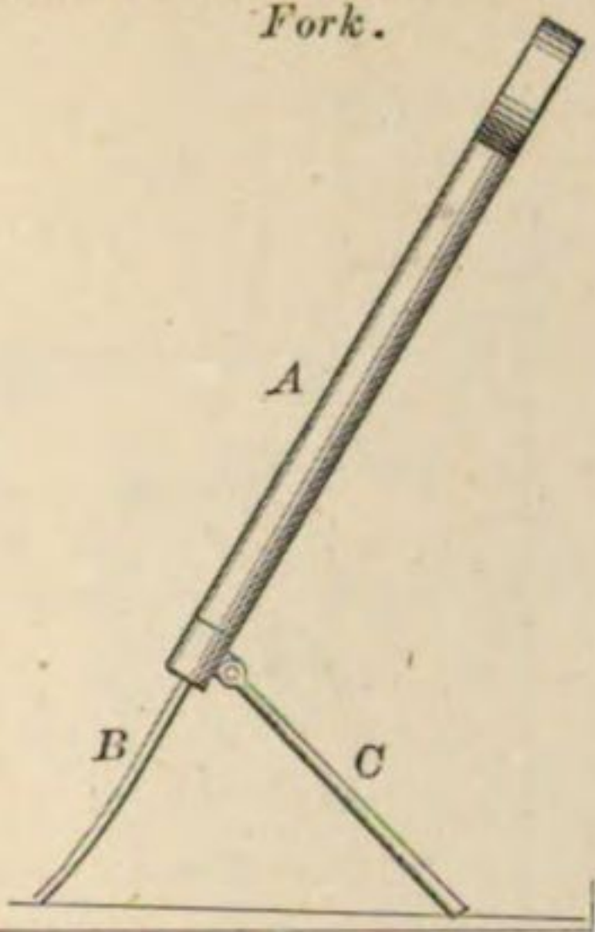


59059—F. M. Osborn—*Tack Extractor.*

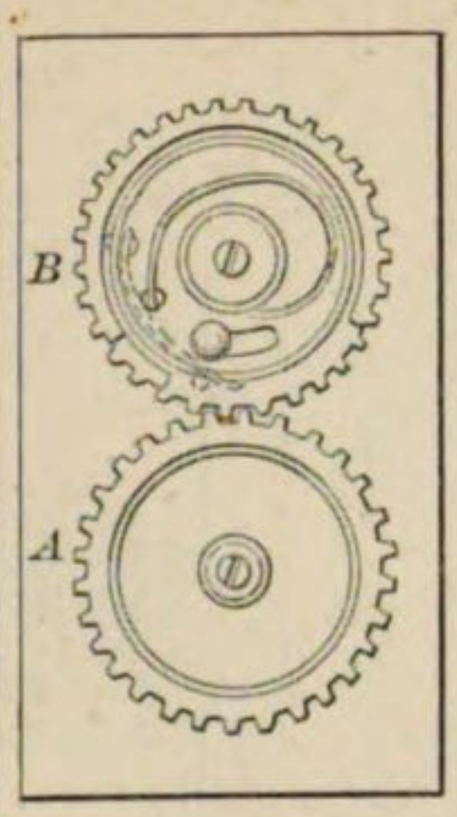
59060—M. Packard—*Gate.*



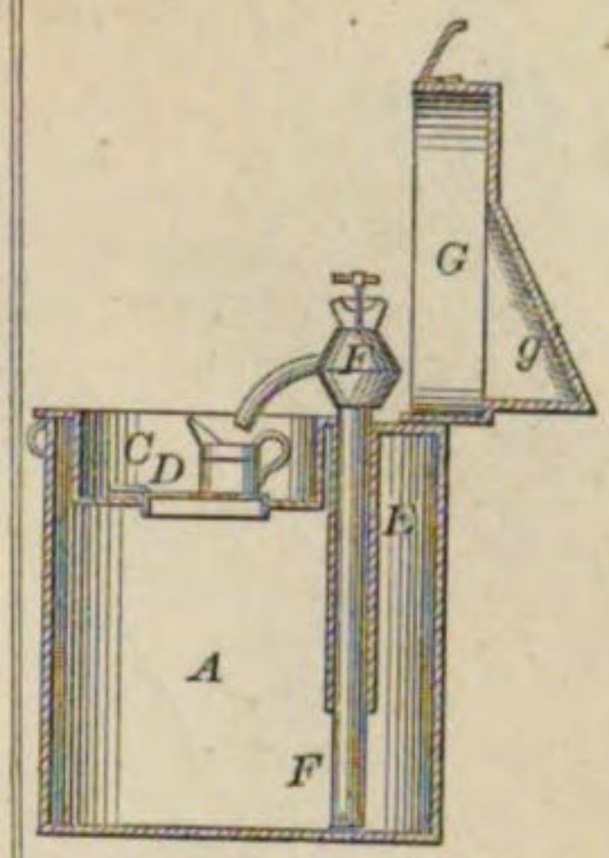
59061—J. S. Patterson—*Potato Fork.*



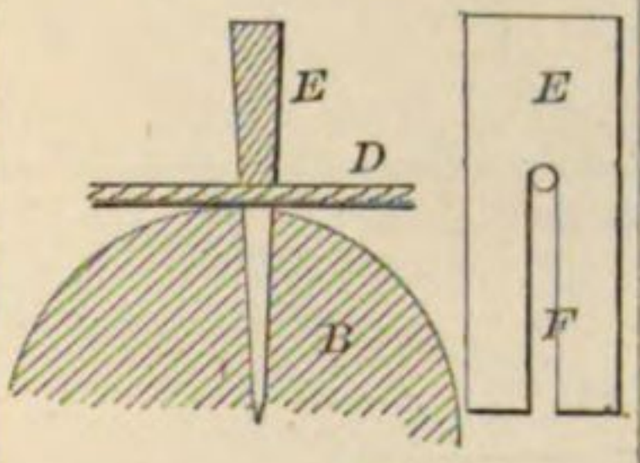
59064—L. B. Potter—*Intermittent and Expansive Gearing.*



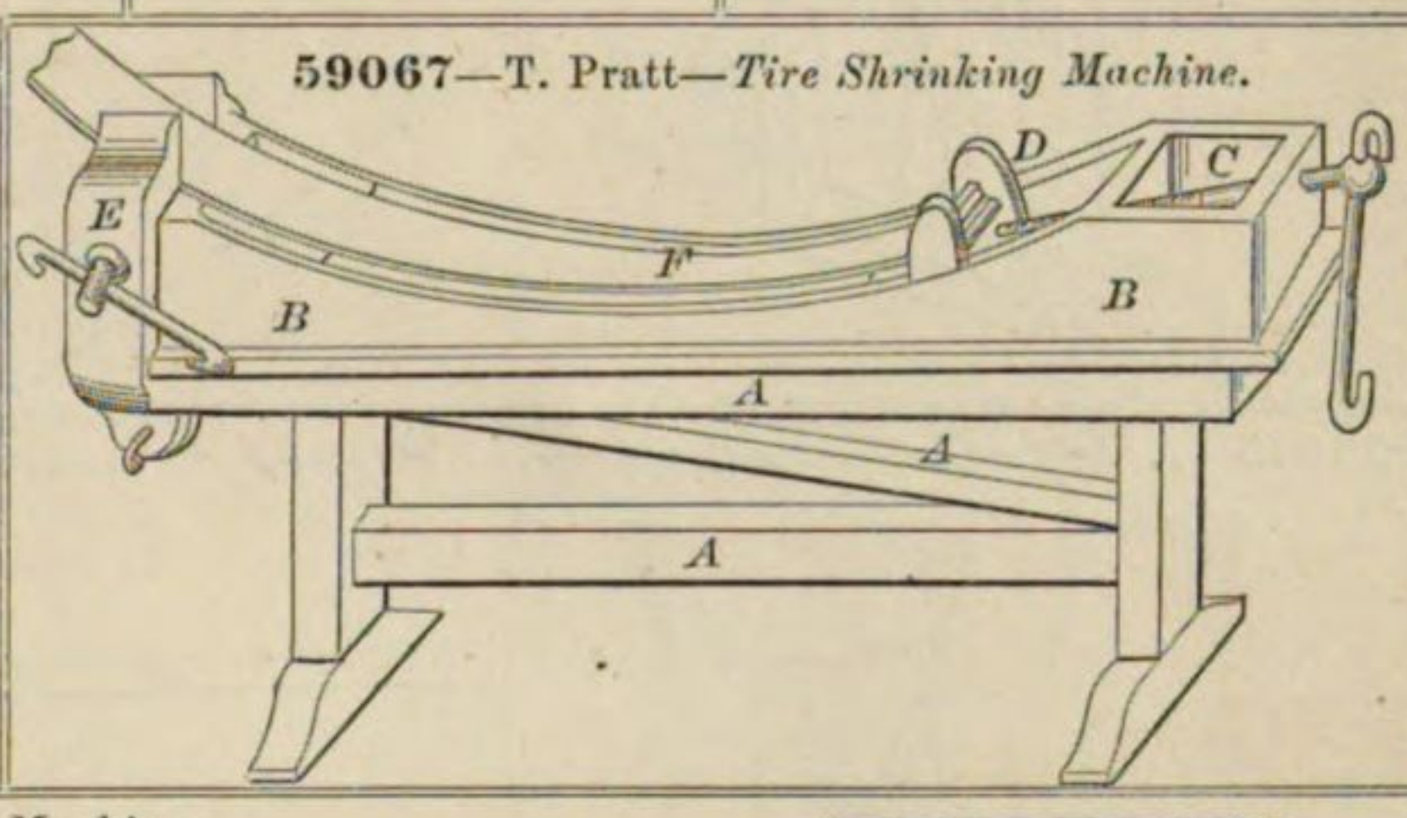
59066—W. J. Prall—*Oil Can.*



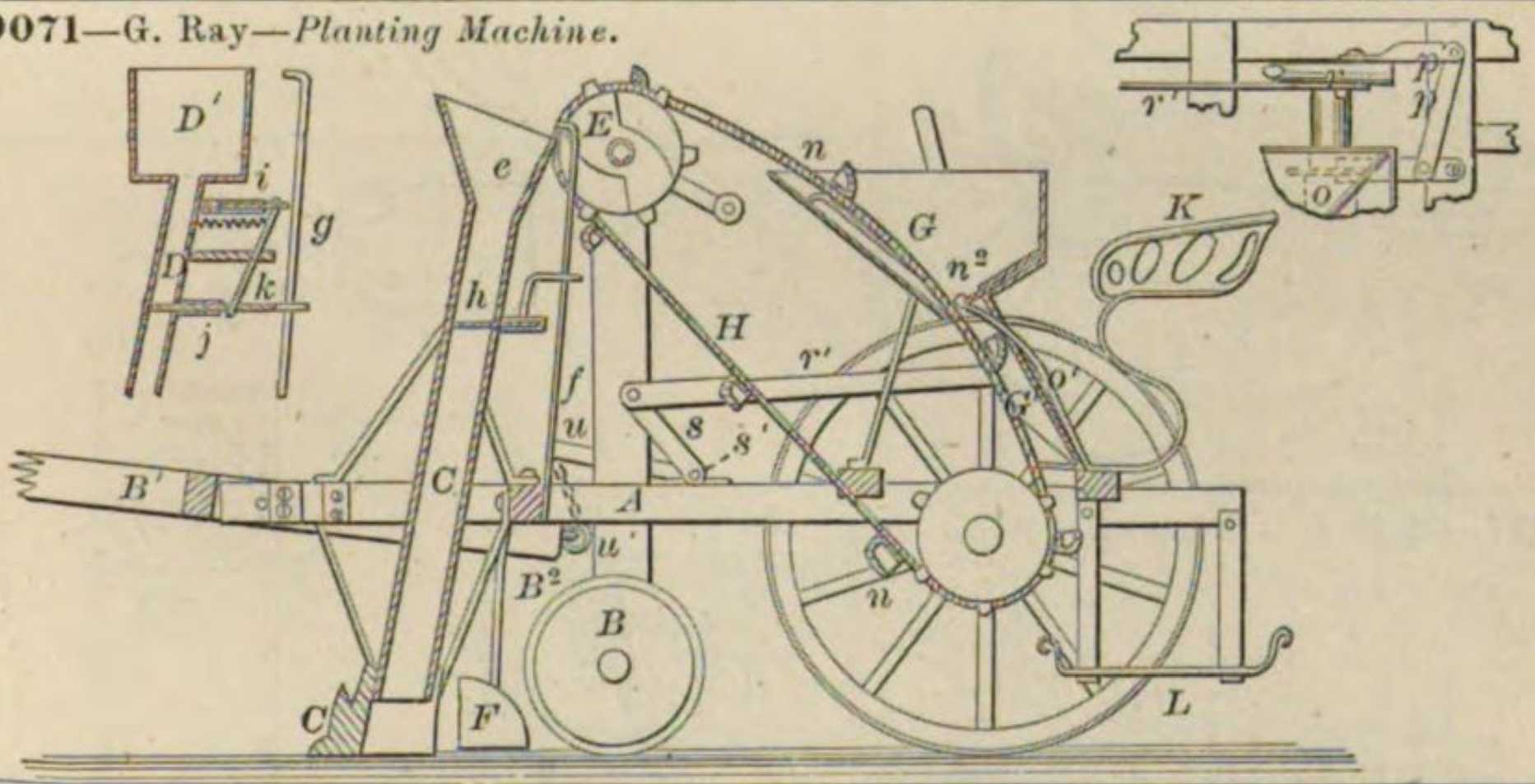
59072—T. B. Raymond—*Rafting Pin.*



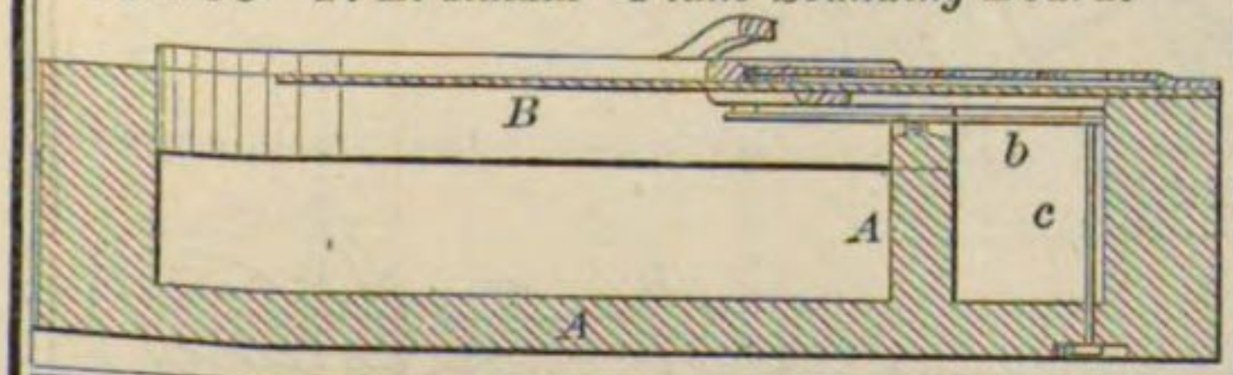
59067—T. Pratt—*Tire Shrinking Machine.*



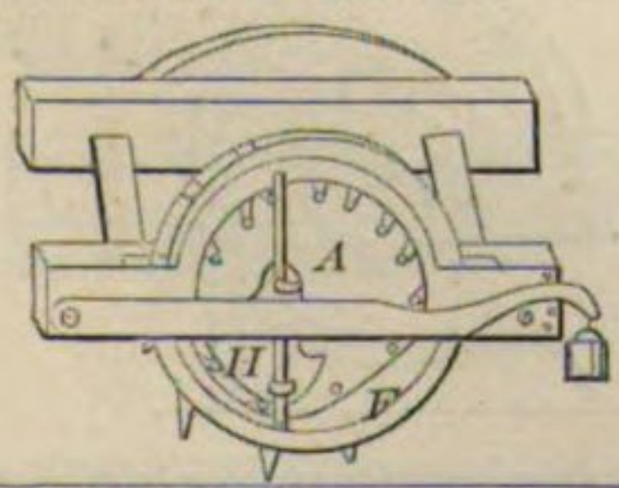
59071—G. Ray—*Planting Machine.*



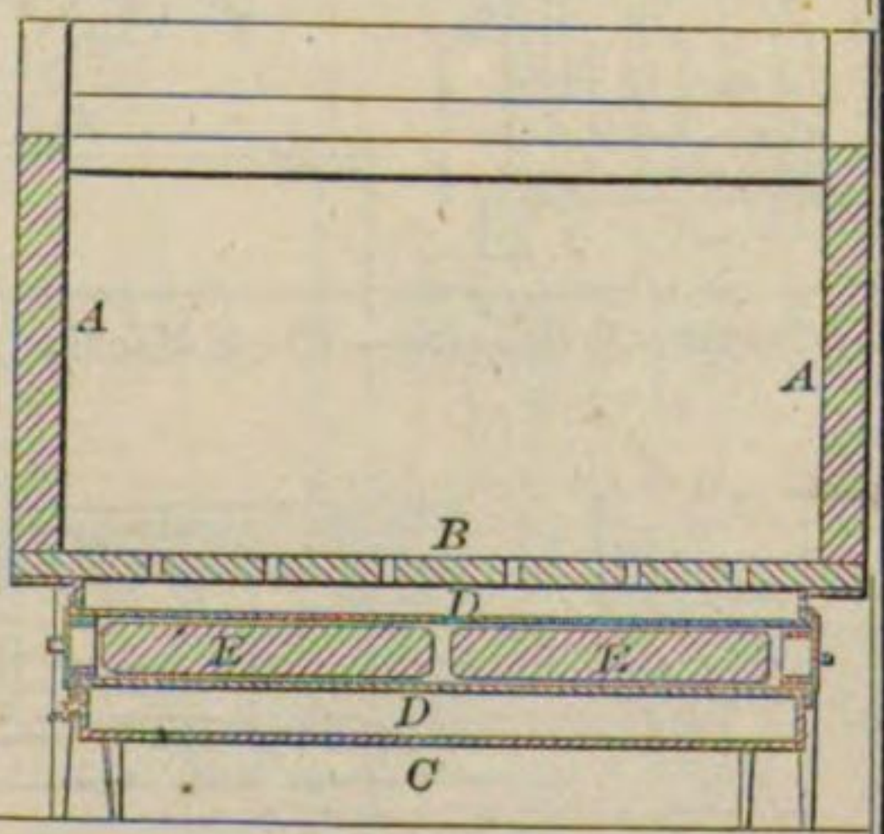
59069—F. E. Ramm—*Piano Sounding Board.*



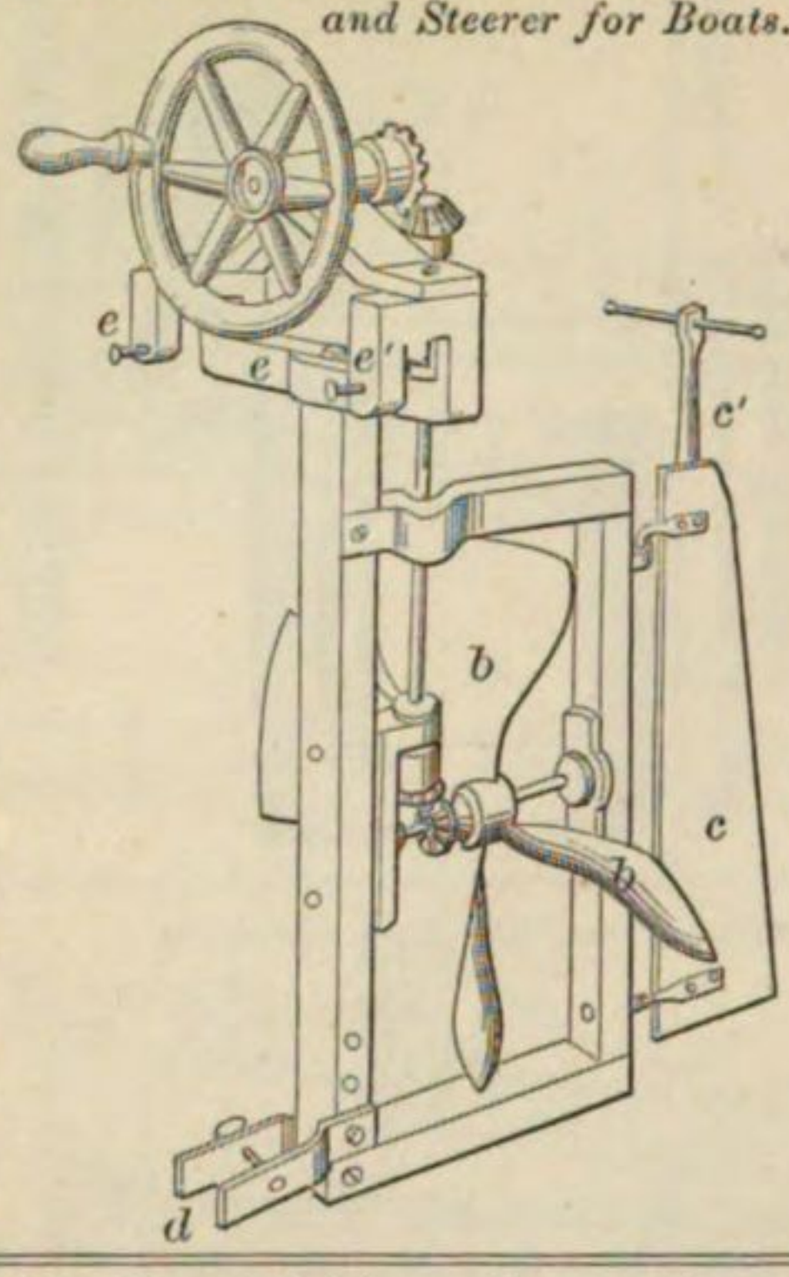
59073—O. Redmond—*Steam Plow.*



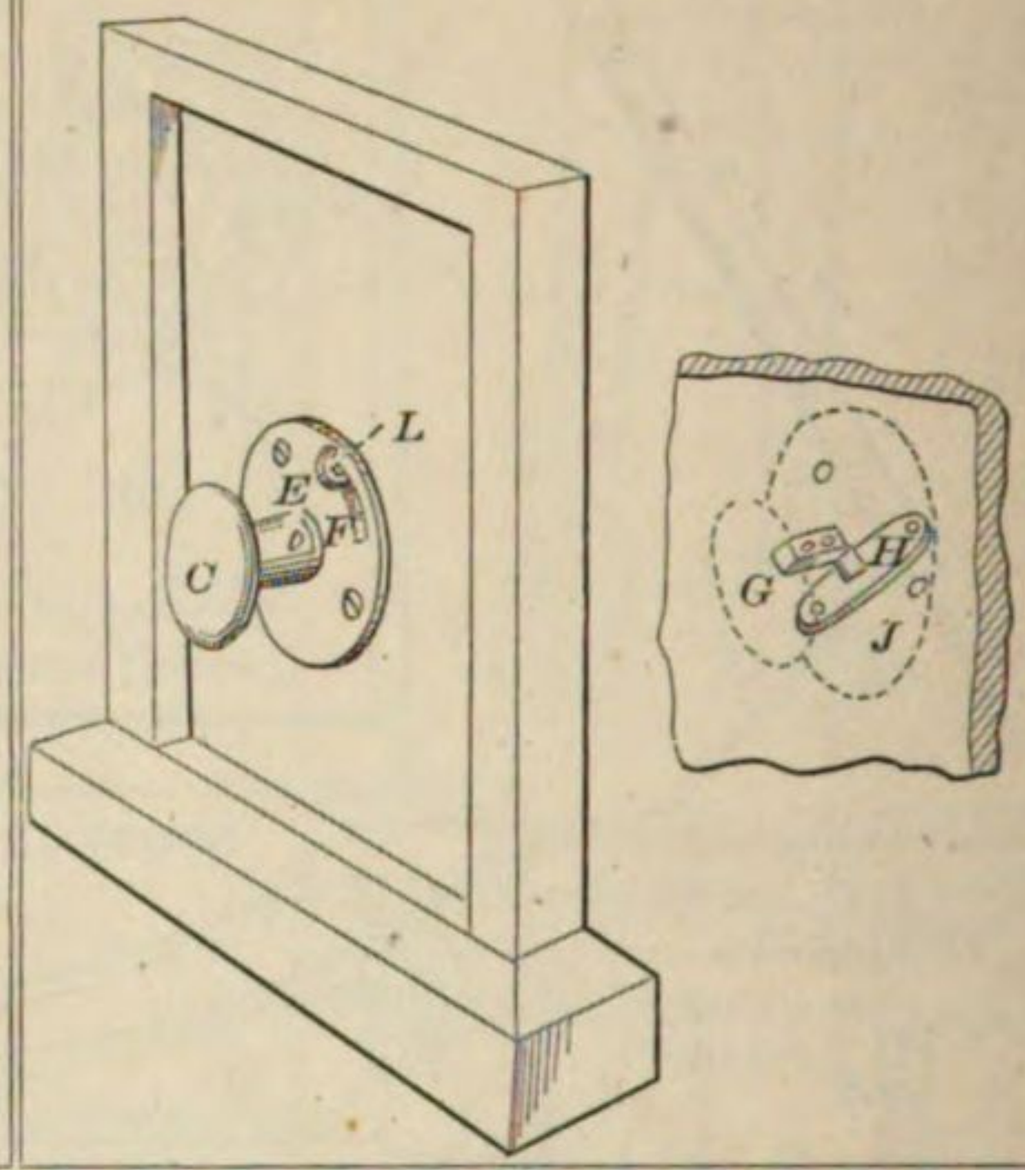
59068—W. H. Pratt—*Washing Machine Heater.*



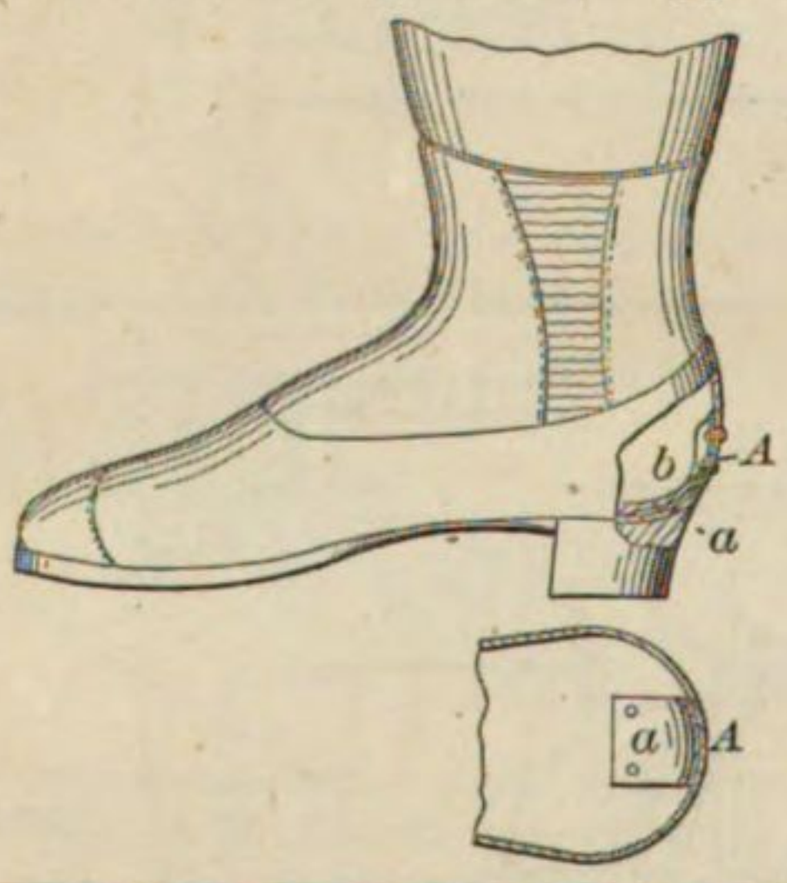
59074—T. Reece—*Portable Propeller and Steerer for Boats.*



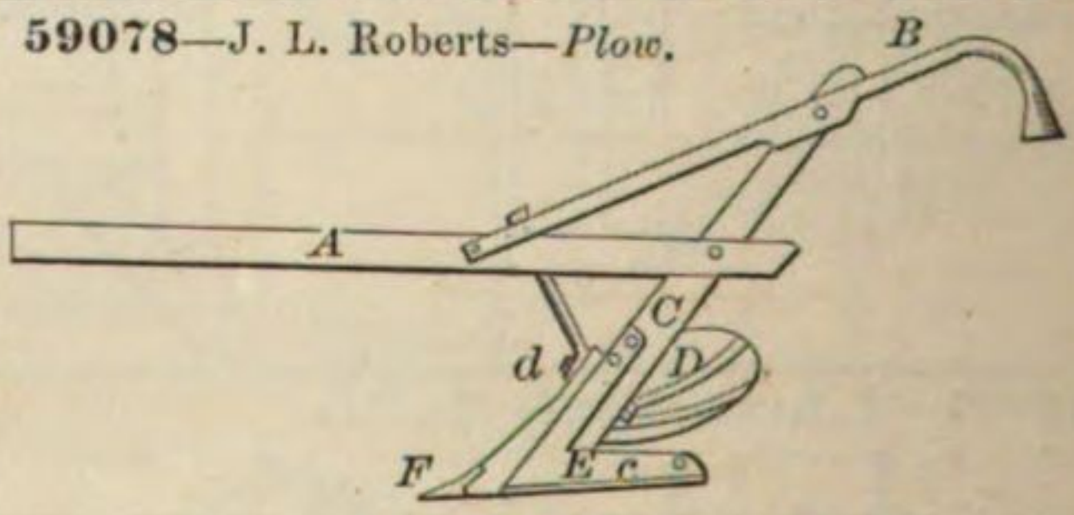
59076—F. A. Richardson—*Stop Mortise Latch.*



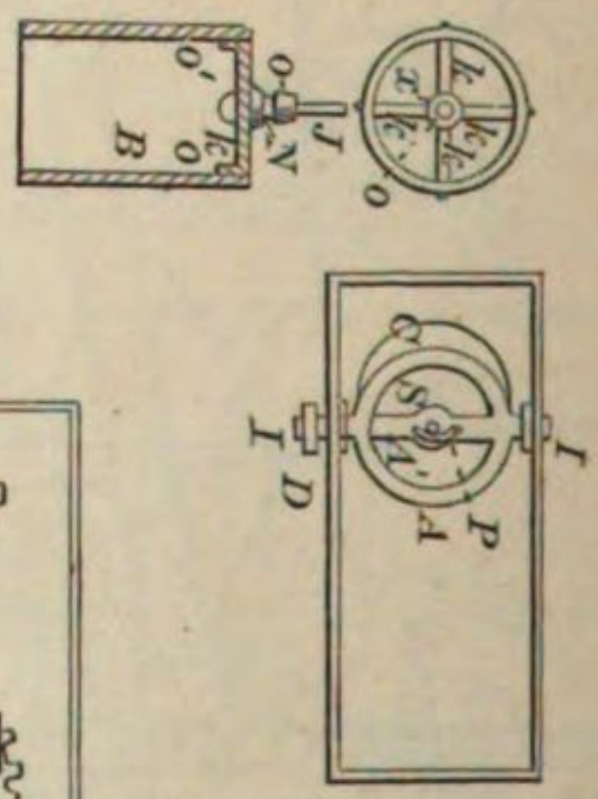
59075—J. Reising—*Counter Supporter.*



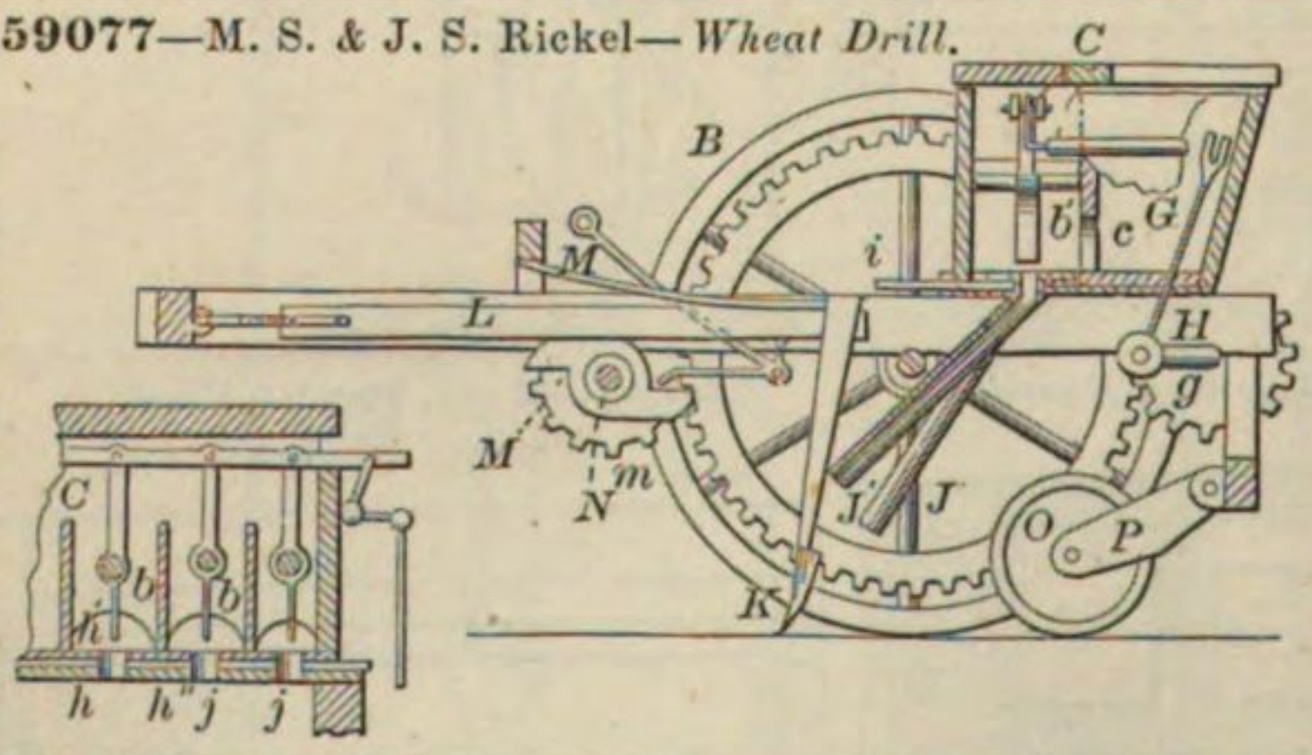
59078—J. L. Roberts—*Plow.*



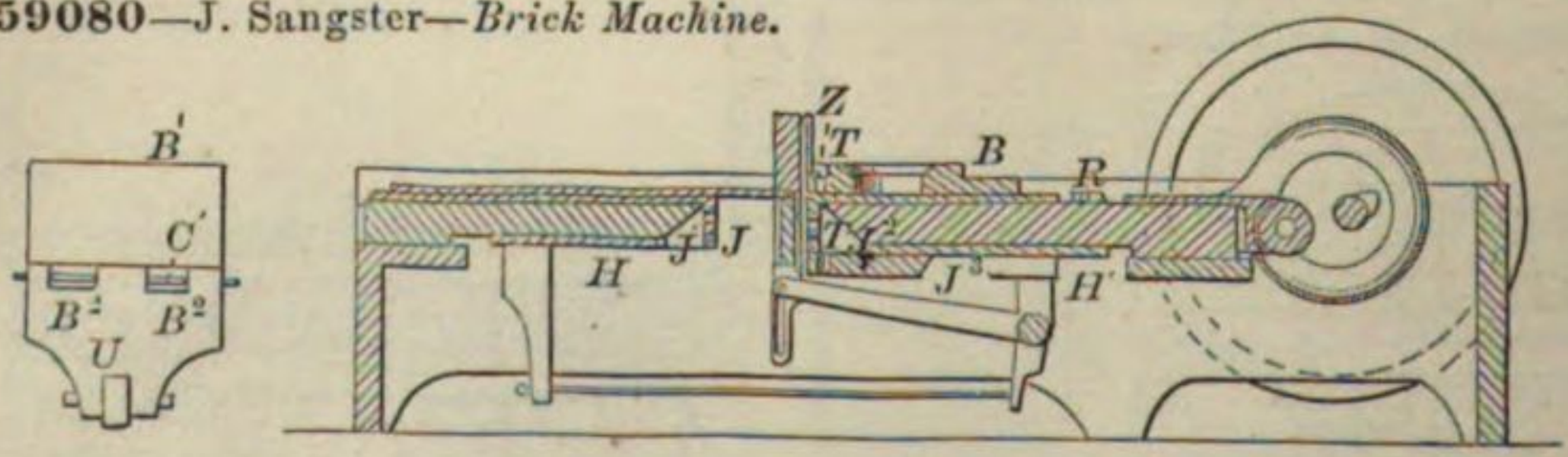
59079—C. W. Saladee—*Water Drawer.*



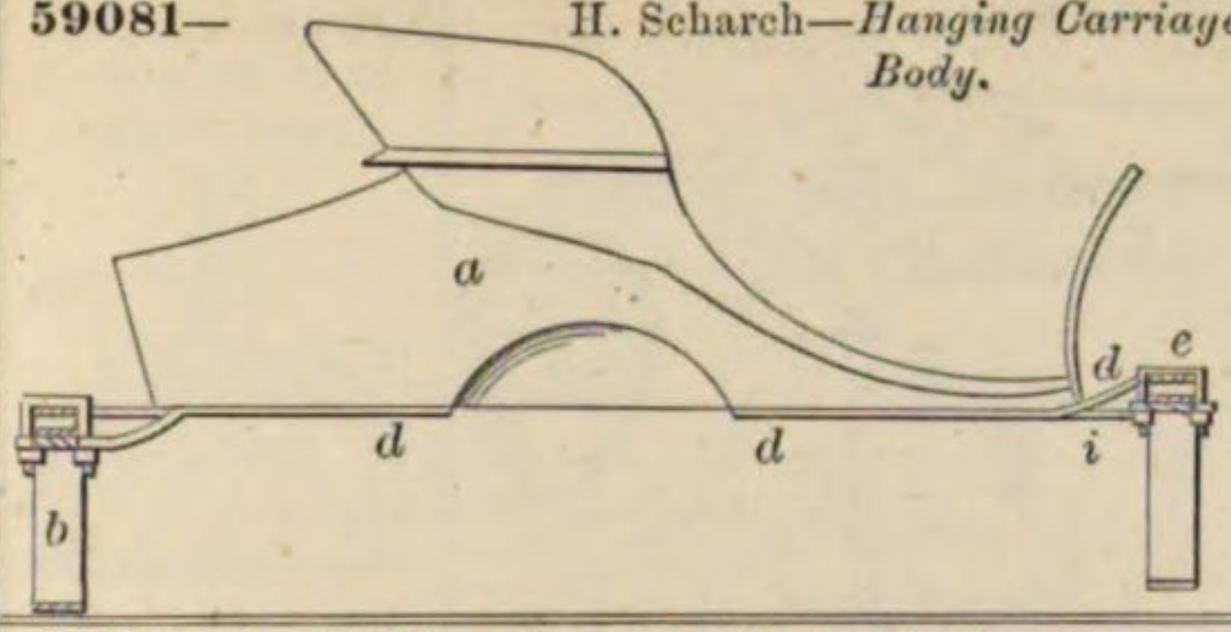
59077—M. S. & J. S. Rickel—*Wheat Drill.*



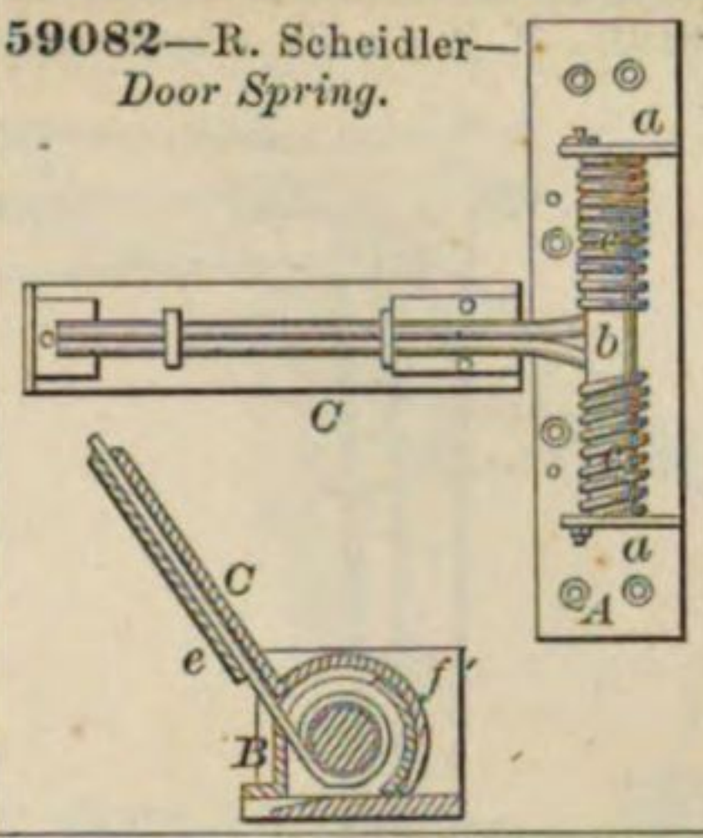
59080—J. Sangster—*Brick Machine.*



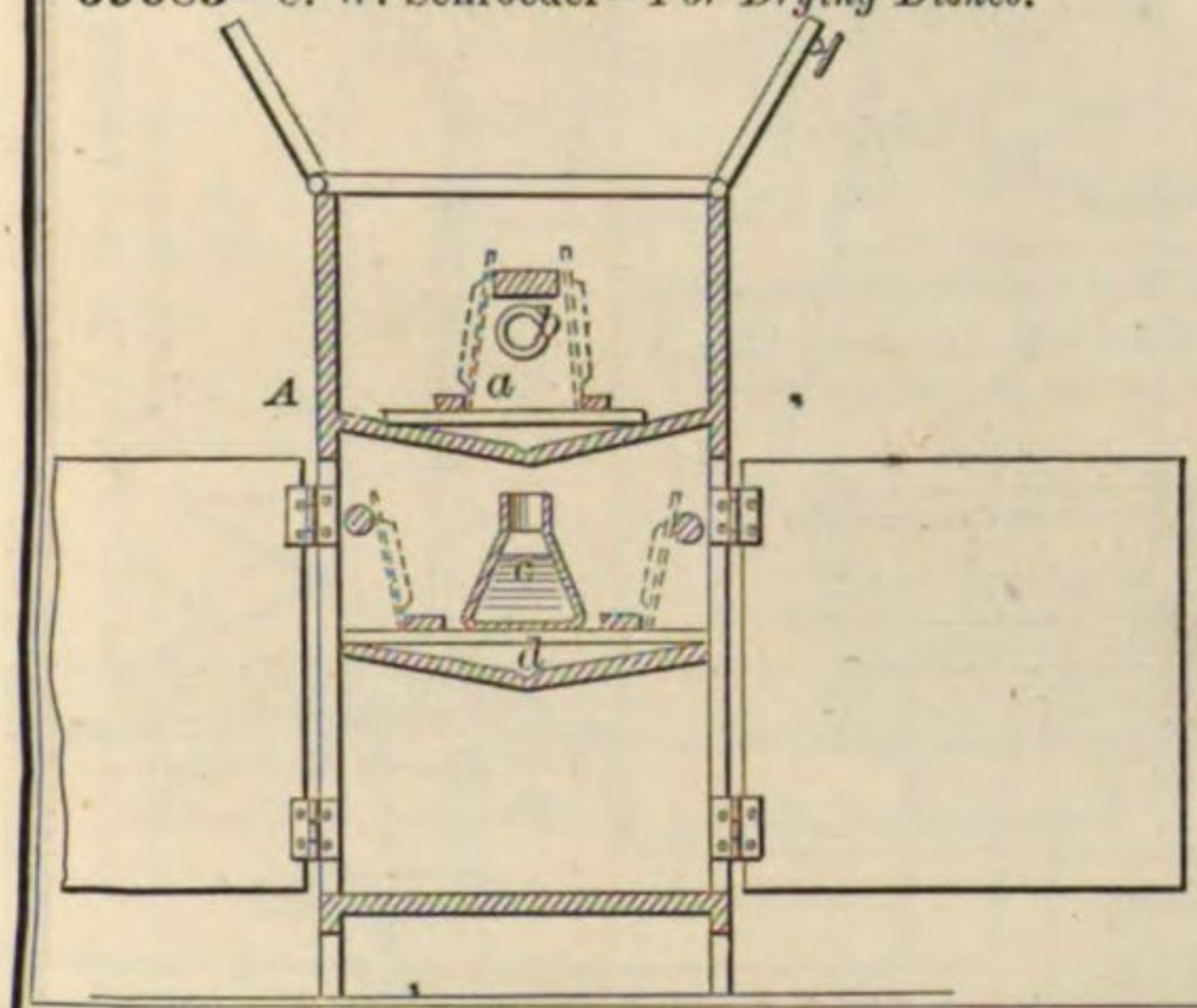
59081— H. Scharch—*Hanging Carriage Body.*



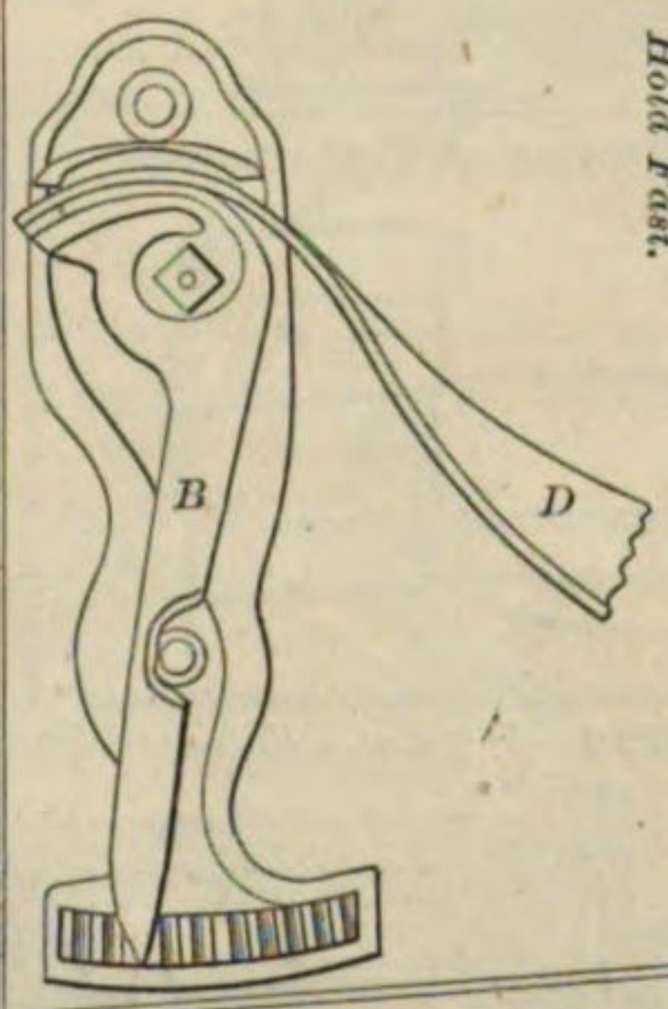
59082—R. Scheidler—*Door Spring.*



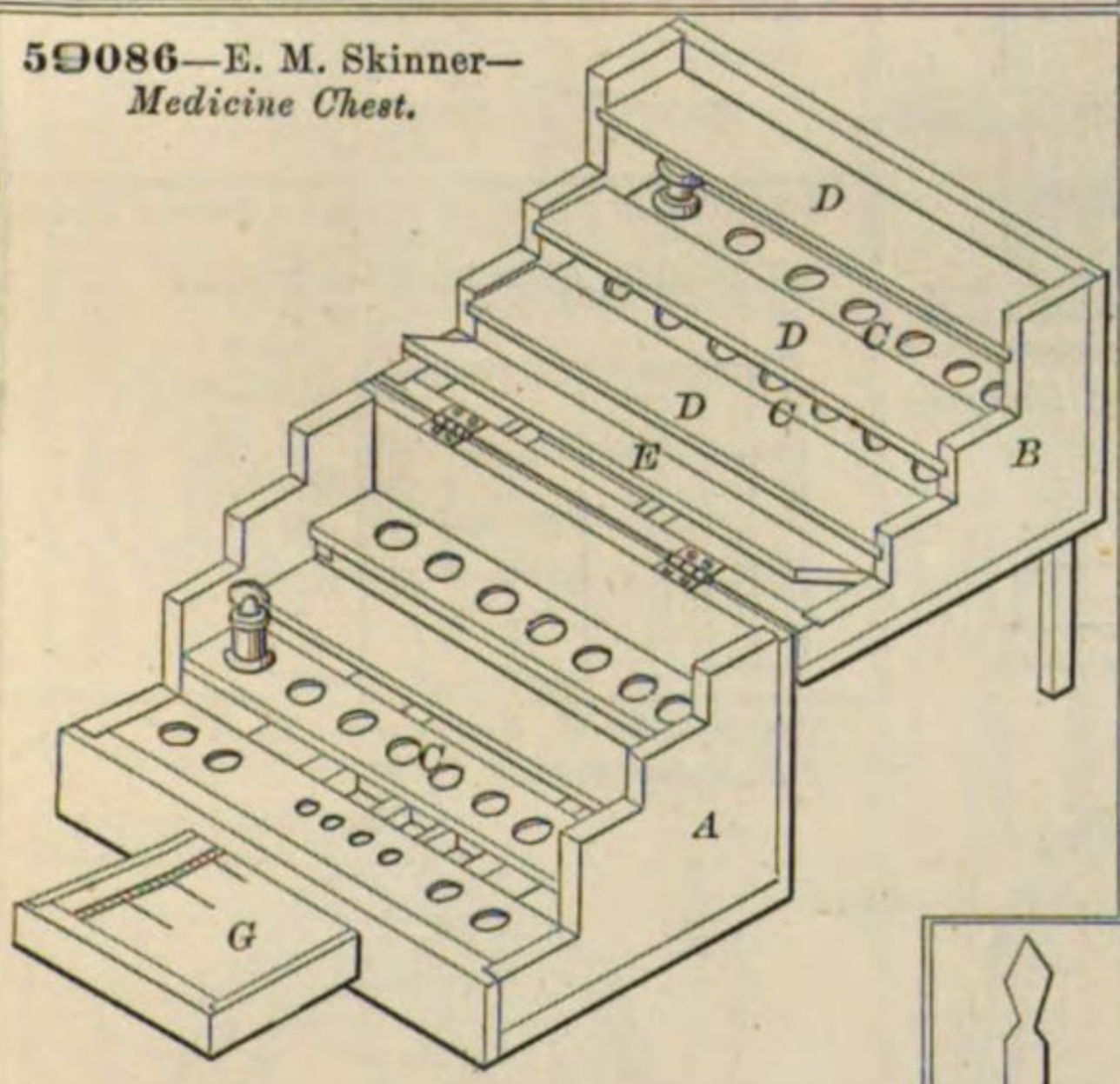
59083—C. W. Schroeder—*For Drying Dishes.*



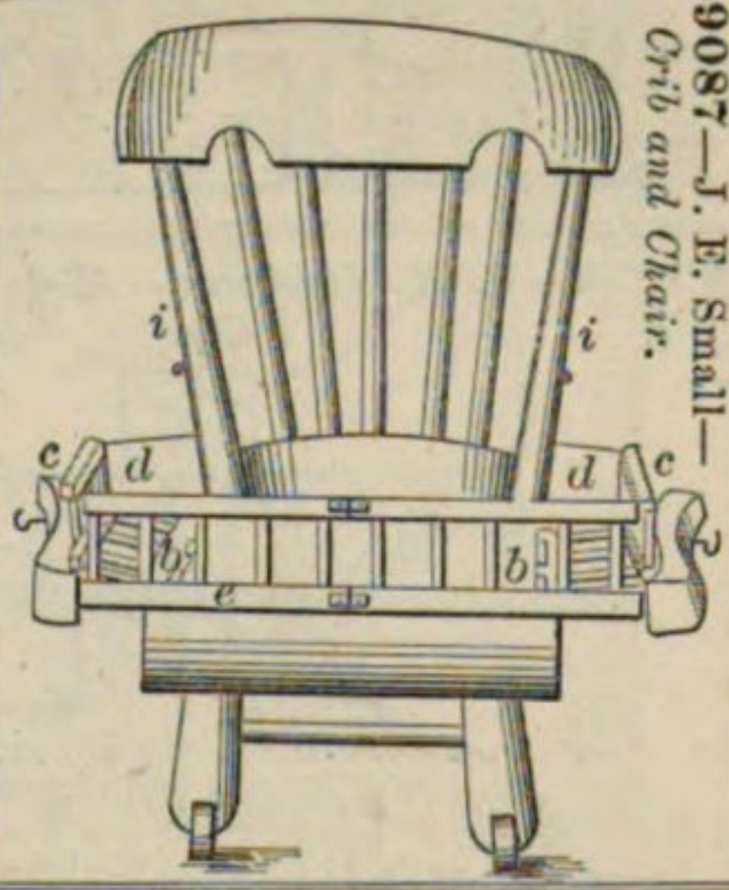
59085—J. P. Sinclair—*Hitching Clamp or Hold Fast.*



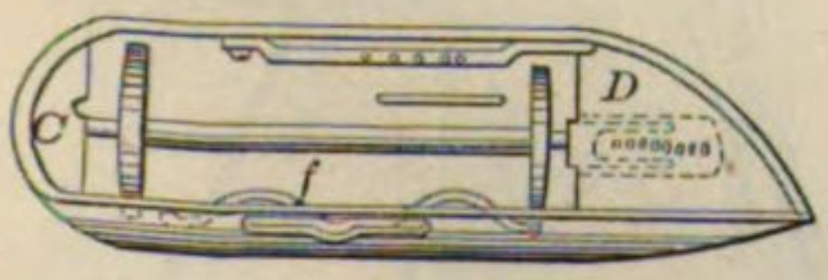
59086—E. M. Skinner—*Medicine Chest.*



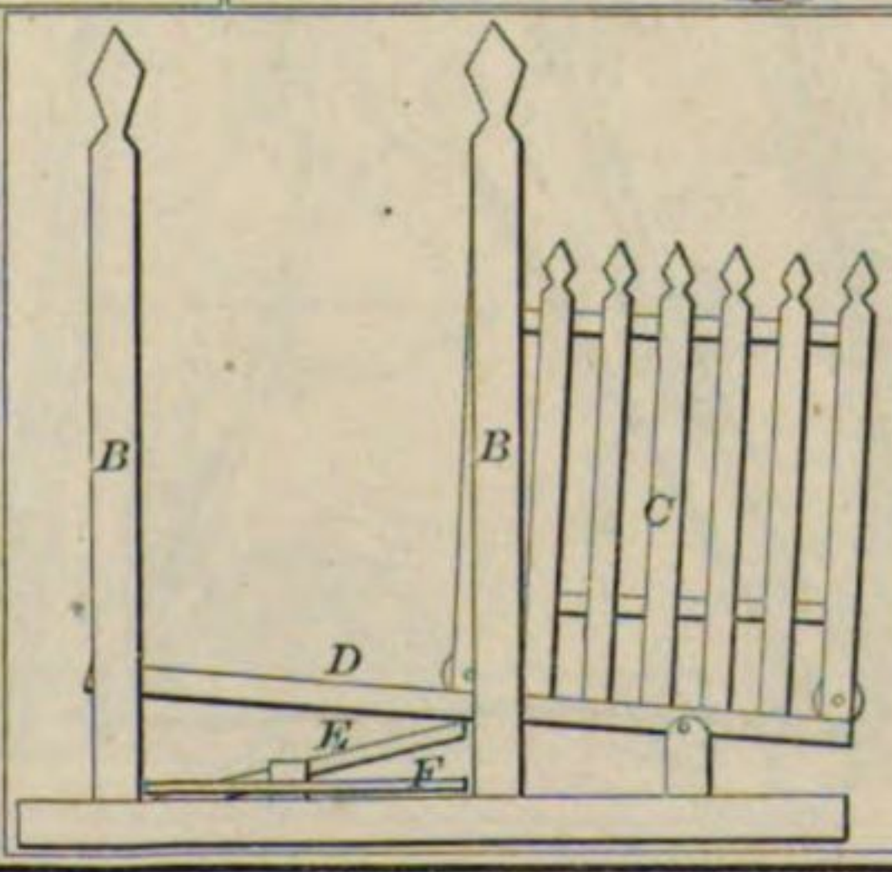
59087—J. E. Small—*Crib and Chair.*



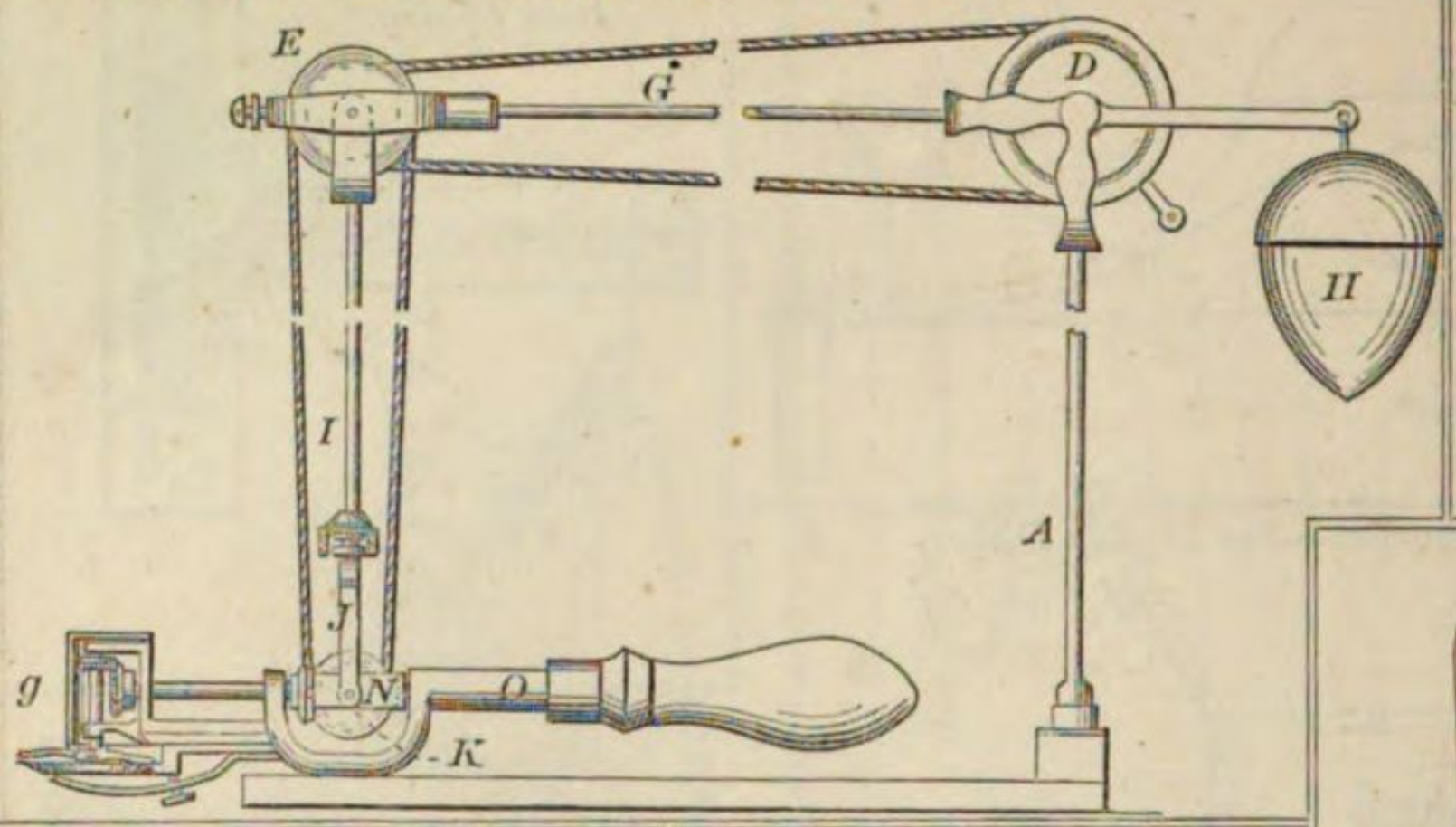
59088—E. H. Smith—*Sewing Machine Shuttle.*



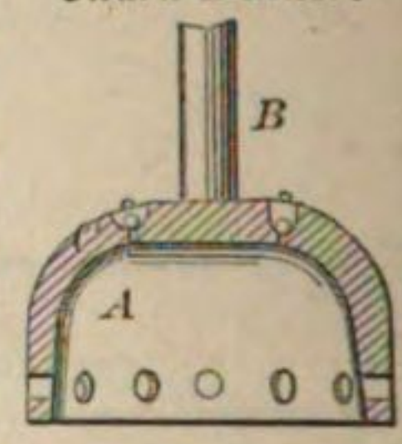
59084—C. Seefeld—*Gate.*



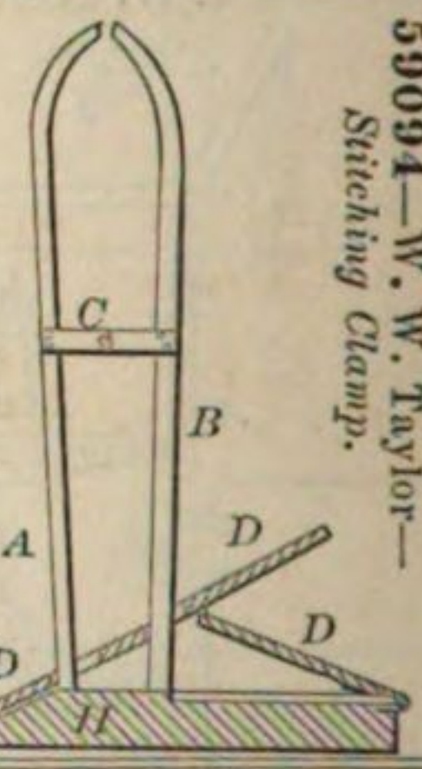
59089—R. T. Smith—*Transmitting Motive Power.*



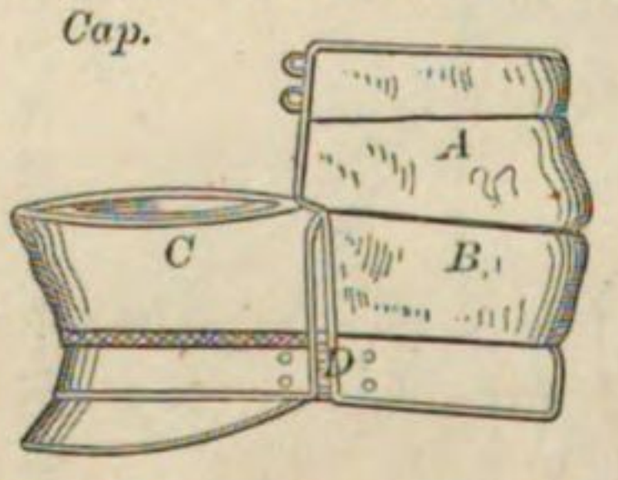
59091—N. H. Spencer—*Churn Dasher.*



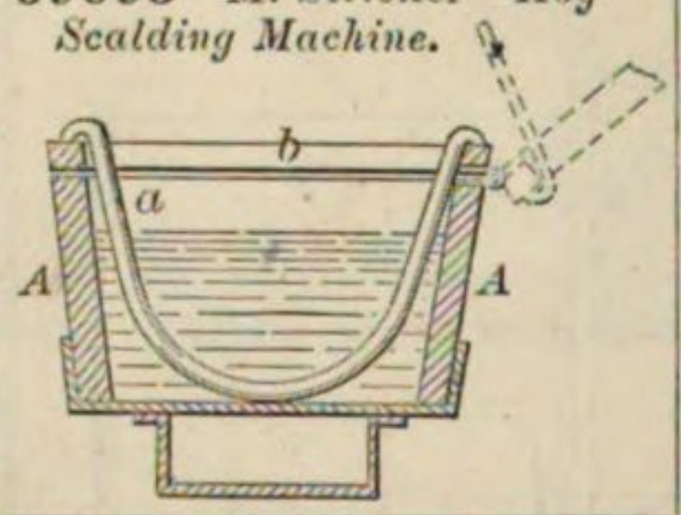
59094—W. W. Taylor—*Stitching Clamp.*



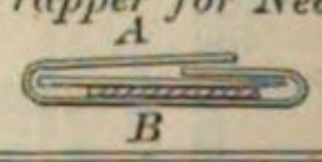
59092—C. & F. Stattmann—*Cap.*



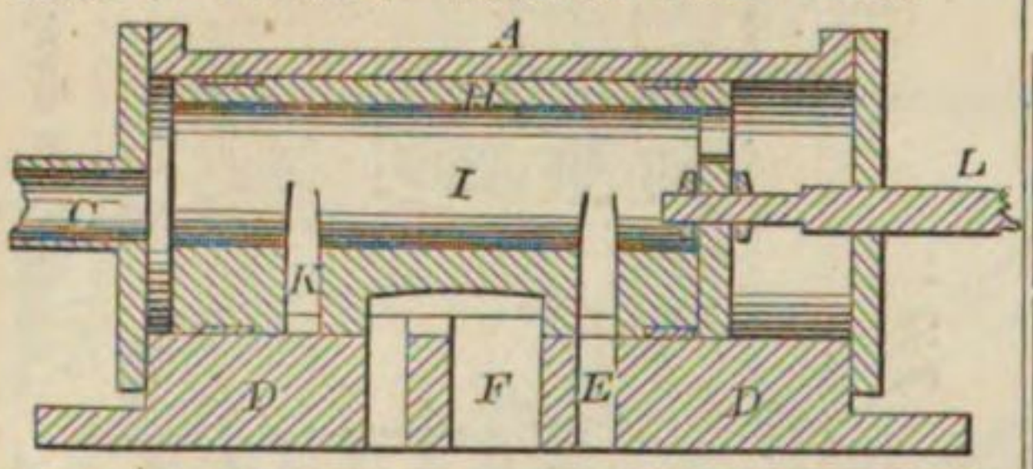
59093—M. Stricker—*Hog Scalding Machine.*

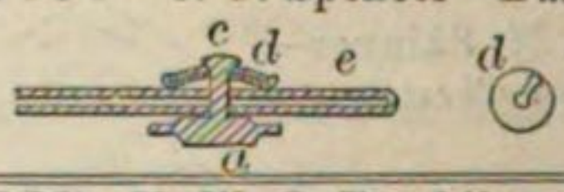


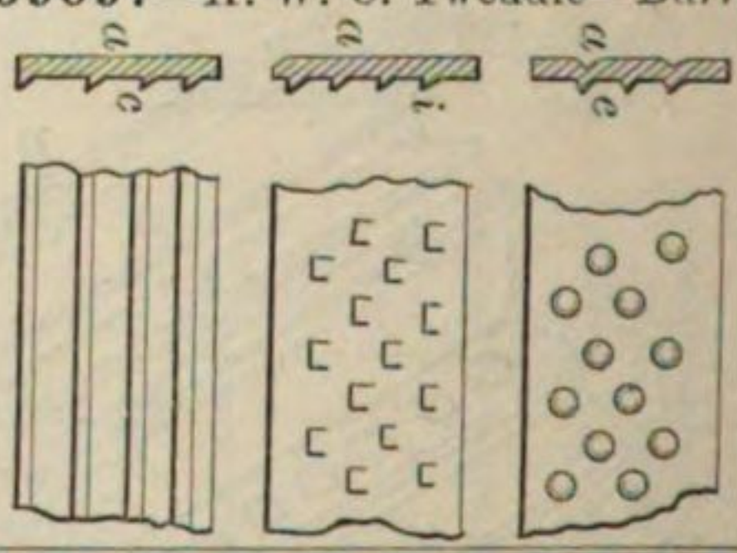
59095—S. E. Totten—*Wrapper for Needles.*



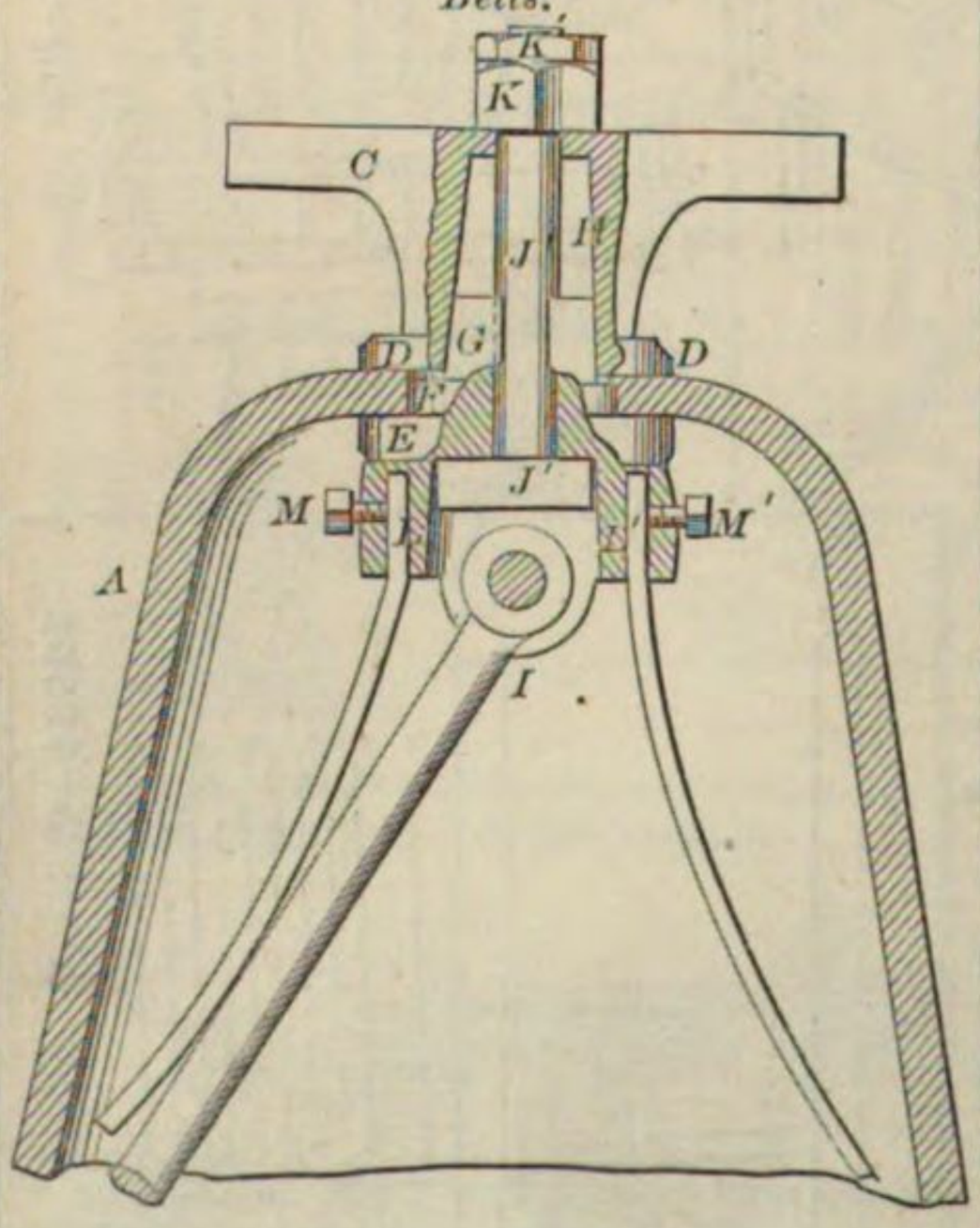
59096—J. Trent—*Balanced Steam Valve.*



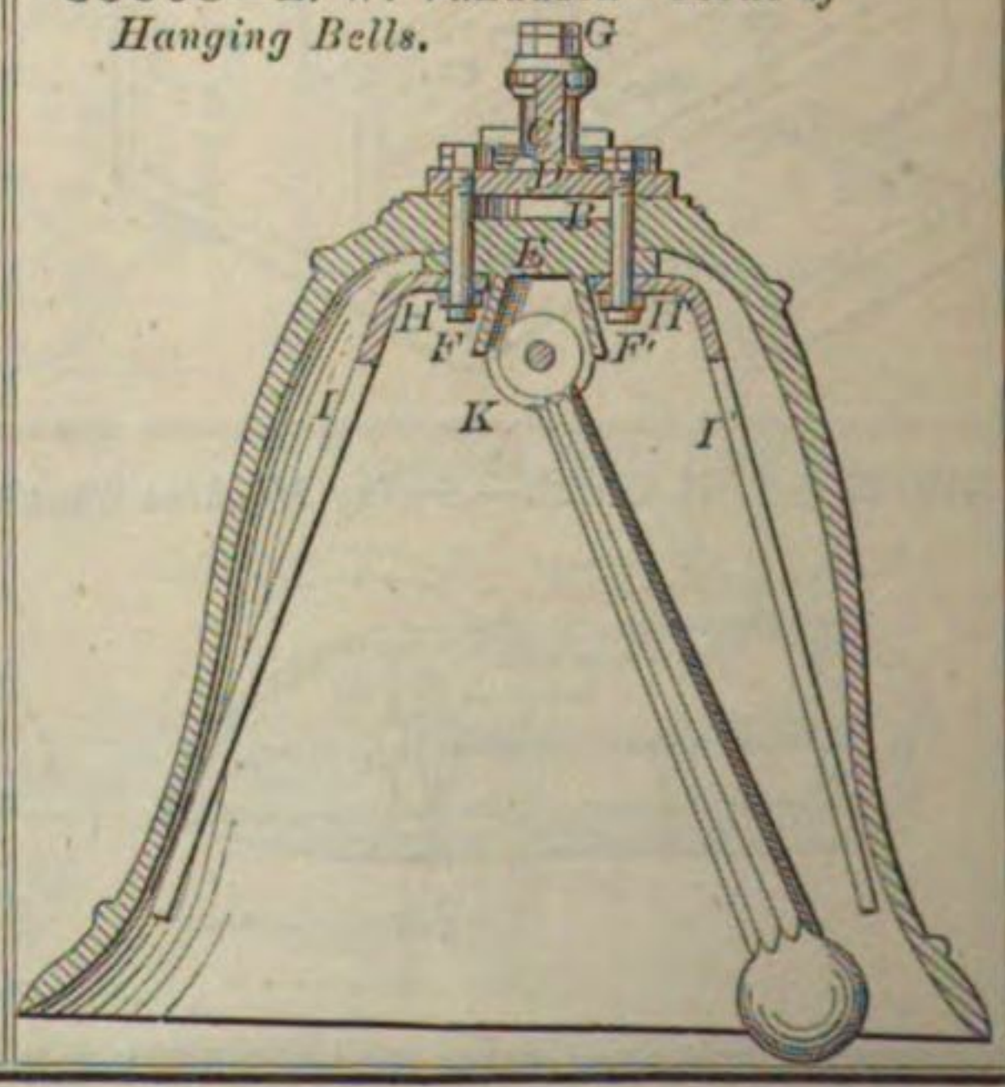
59090—C. F. Spencer—*Button.*

59097—H. W. C. Tweddle—*Barrel Hoop.*



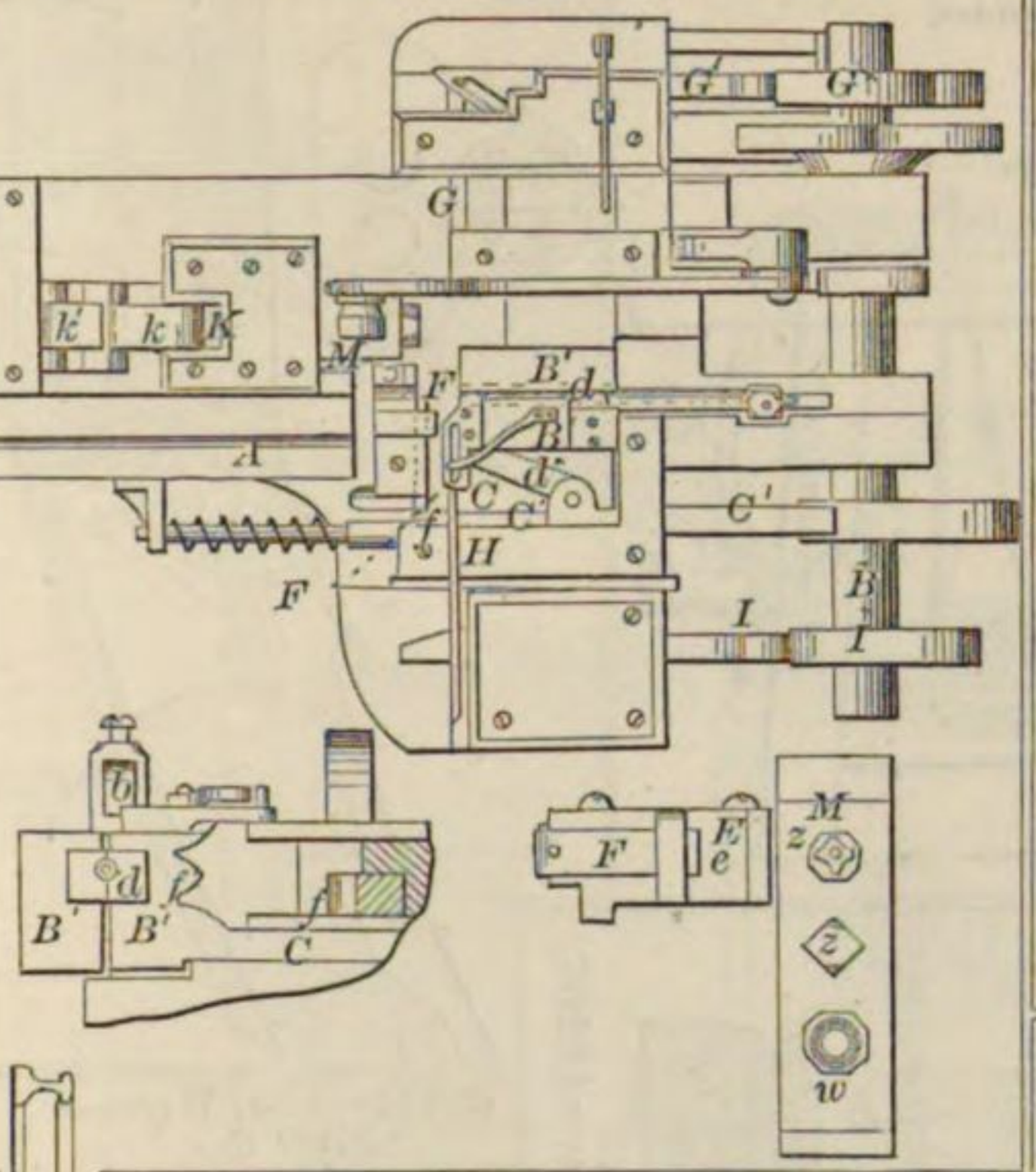
59099—E. W. Vanduzen—*Mode of Hanging Bells.*



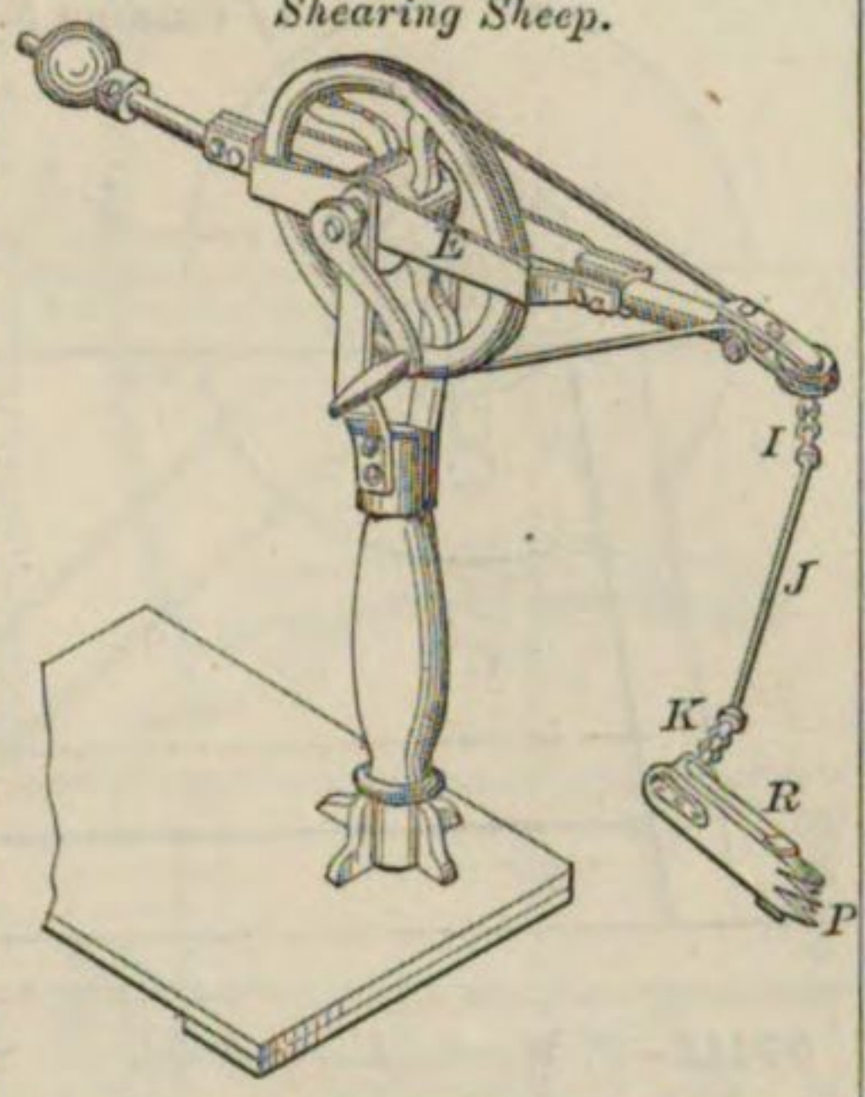
59098—E. W. Vanduzen—*Mode of Hanging Bells.*



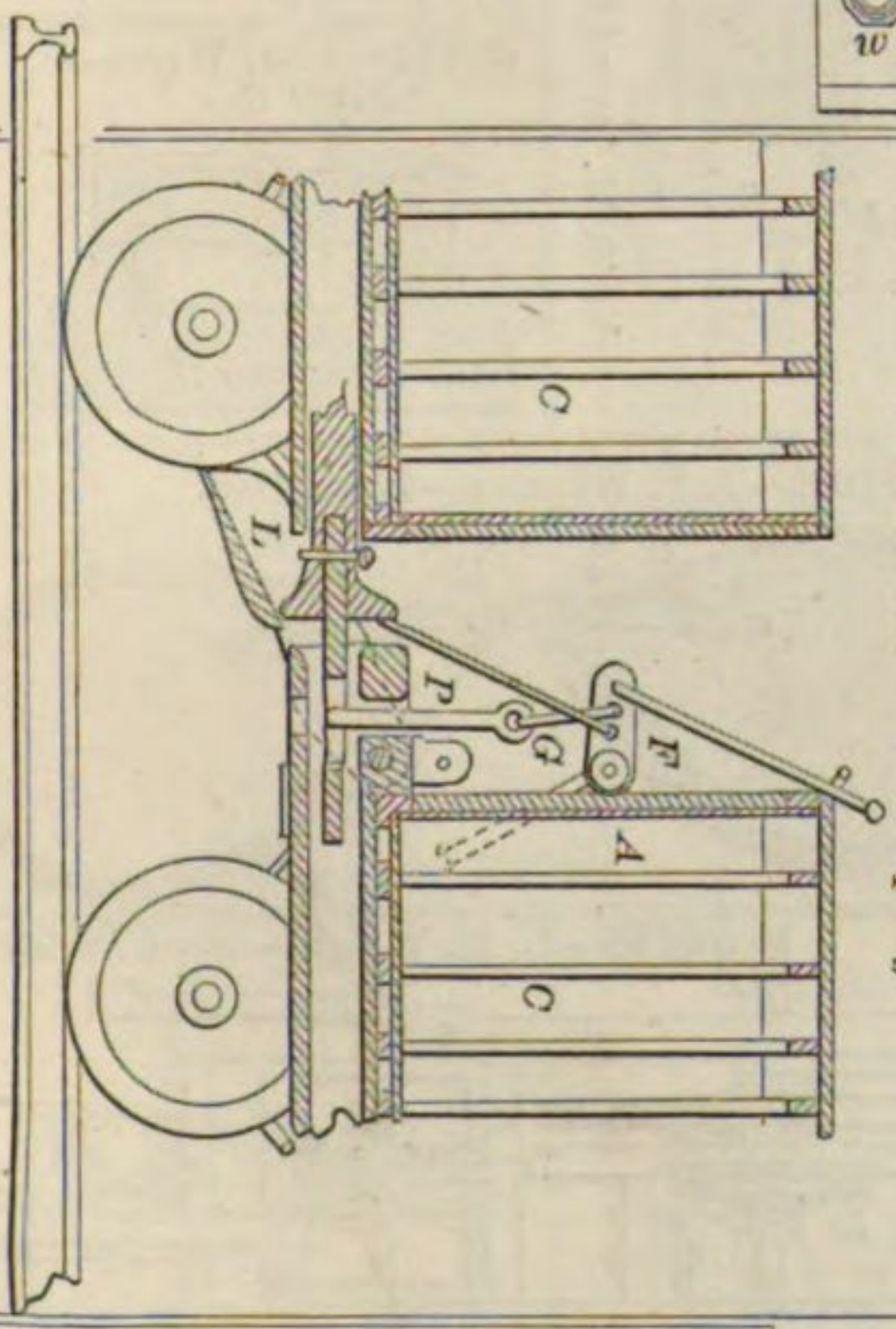
59100—B. Walker—*Bolt Heading Machine.*



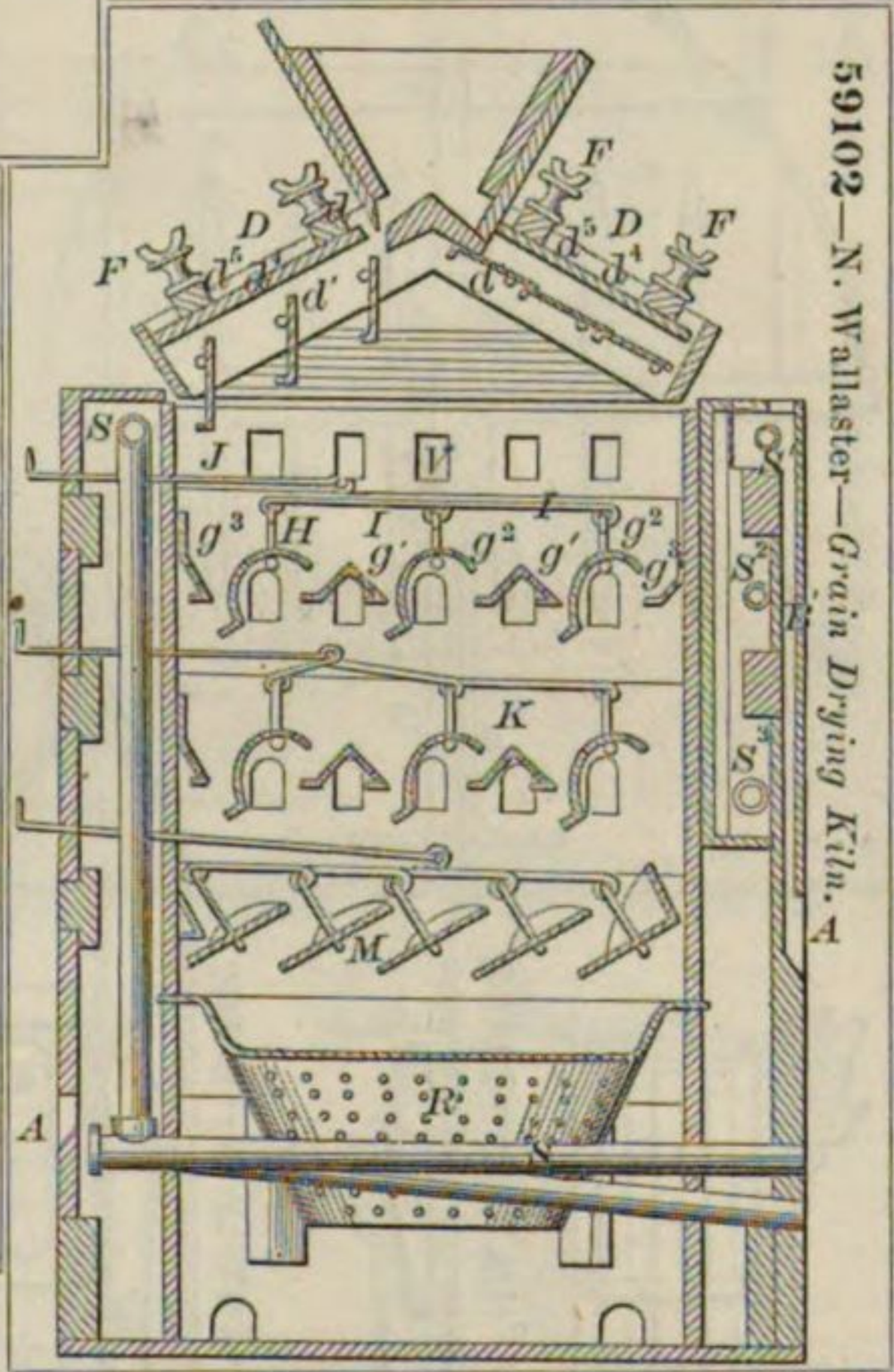
59103—Washburn & Brintnall—*For Shearing Sheep.*



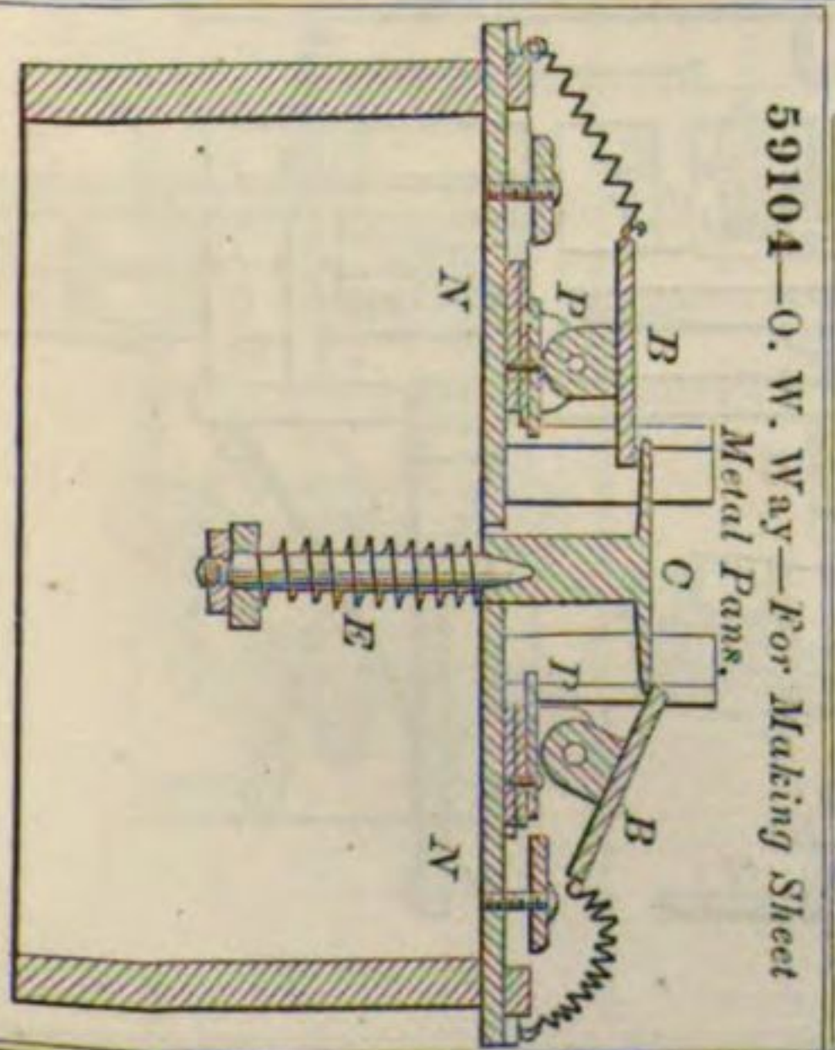
59101—S. J. Wallace—*Car Coupling.*



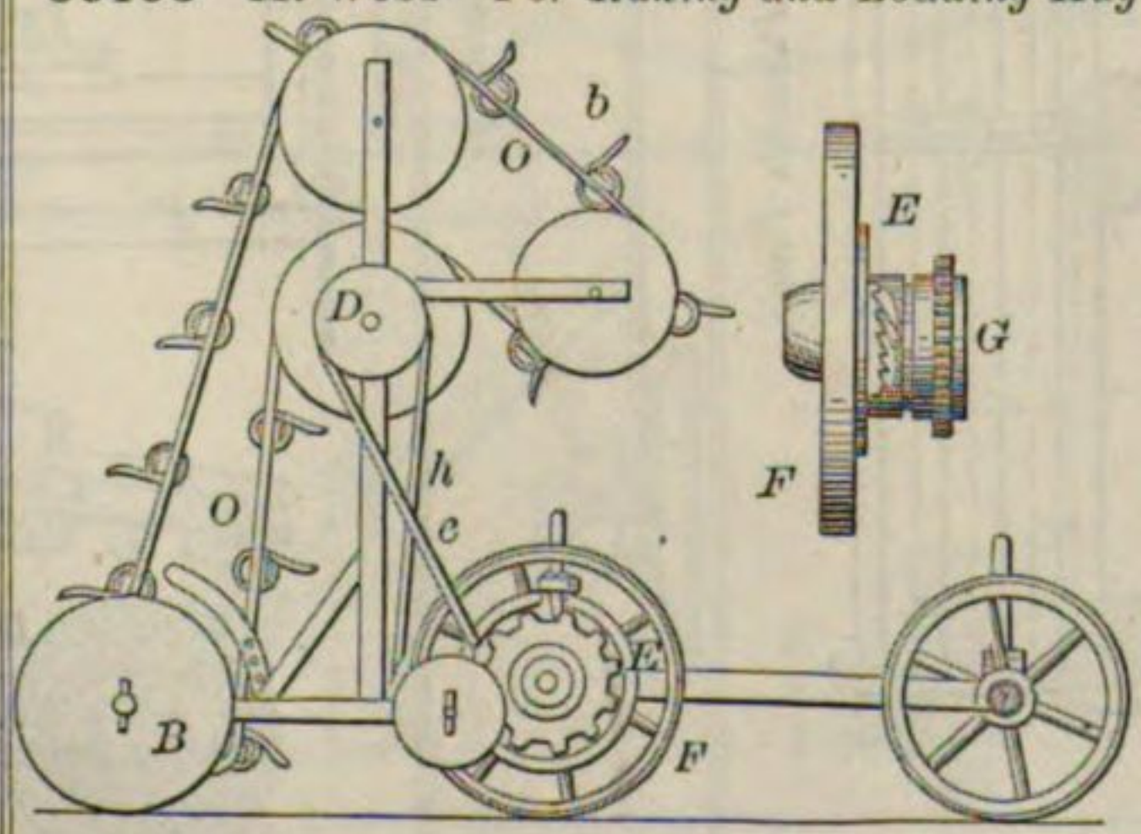
59102—N. Wallaster—*Grain Drying Kiln.*



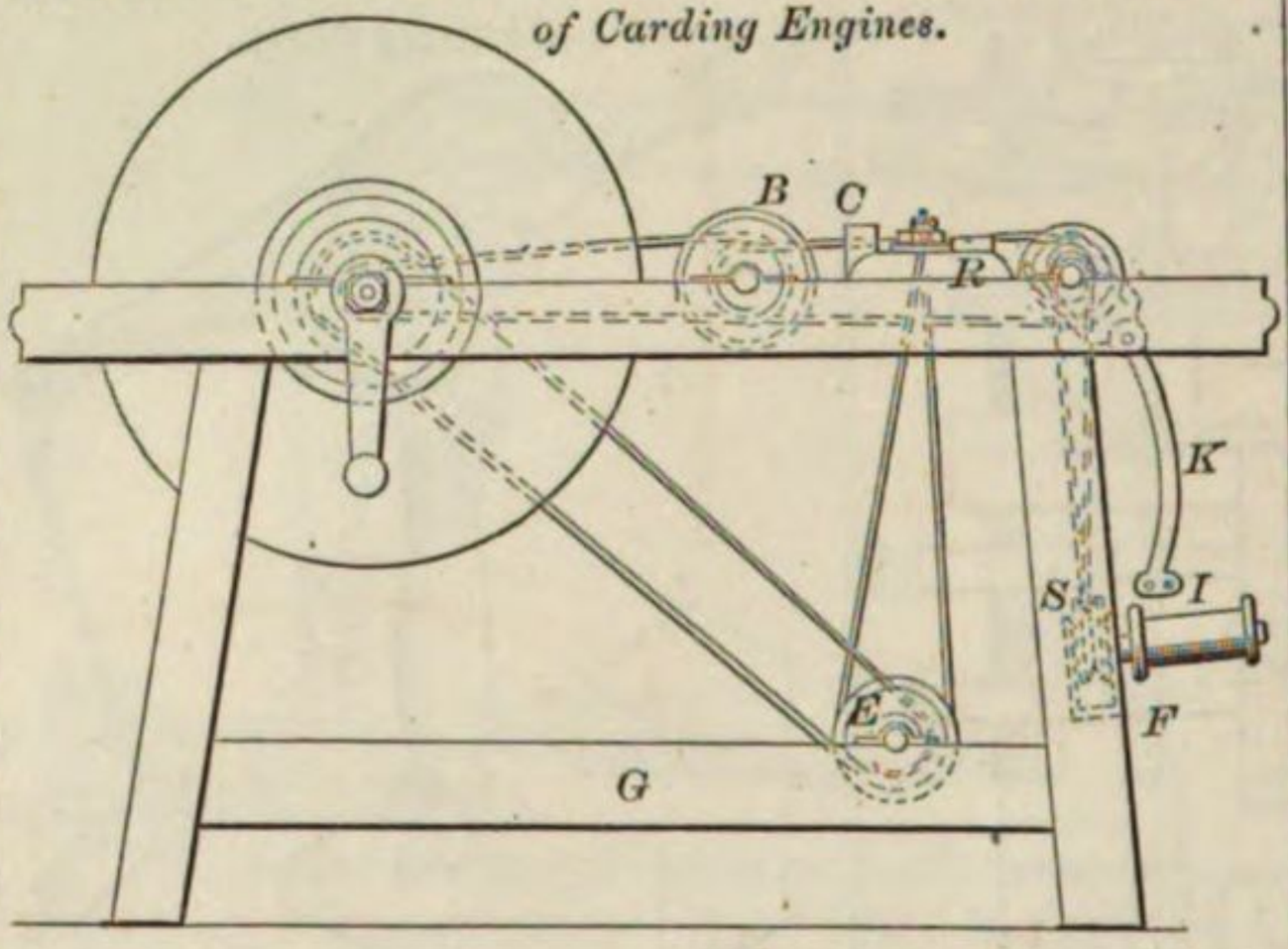
59104—O. W. Way—*For Making Sheet Metal Pans.*



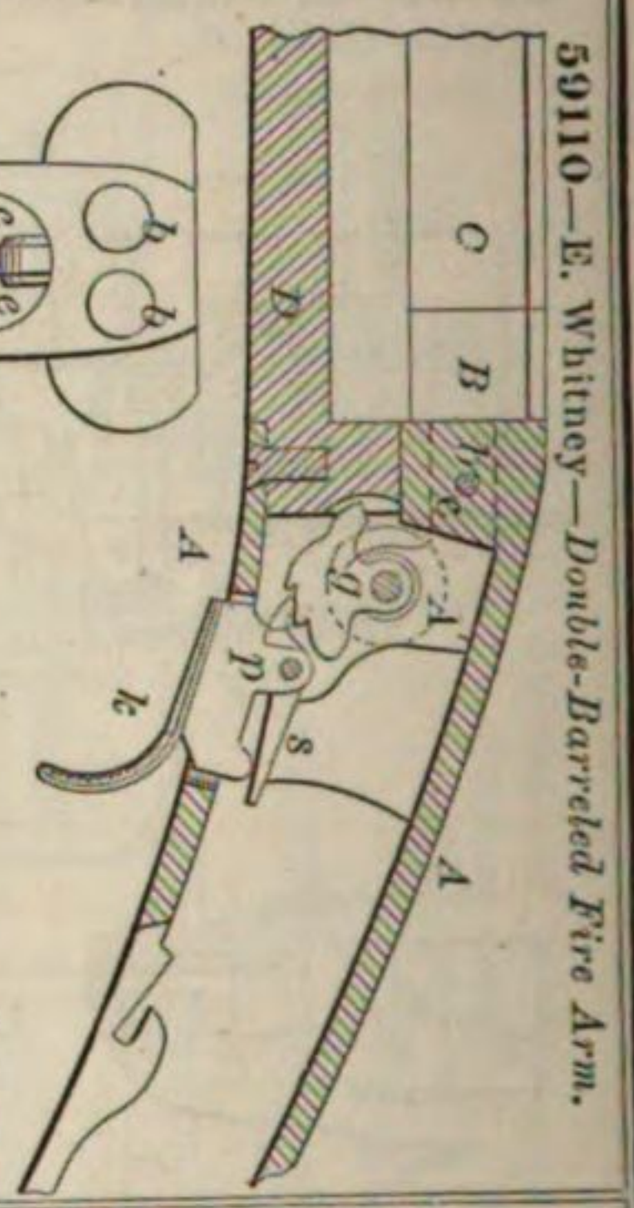
59105—M. Webb—*For Raking and Loading Hay.*



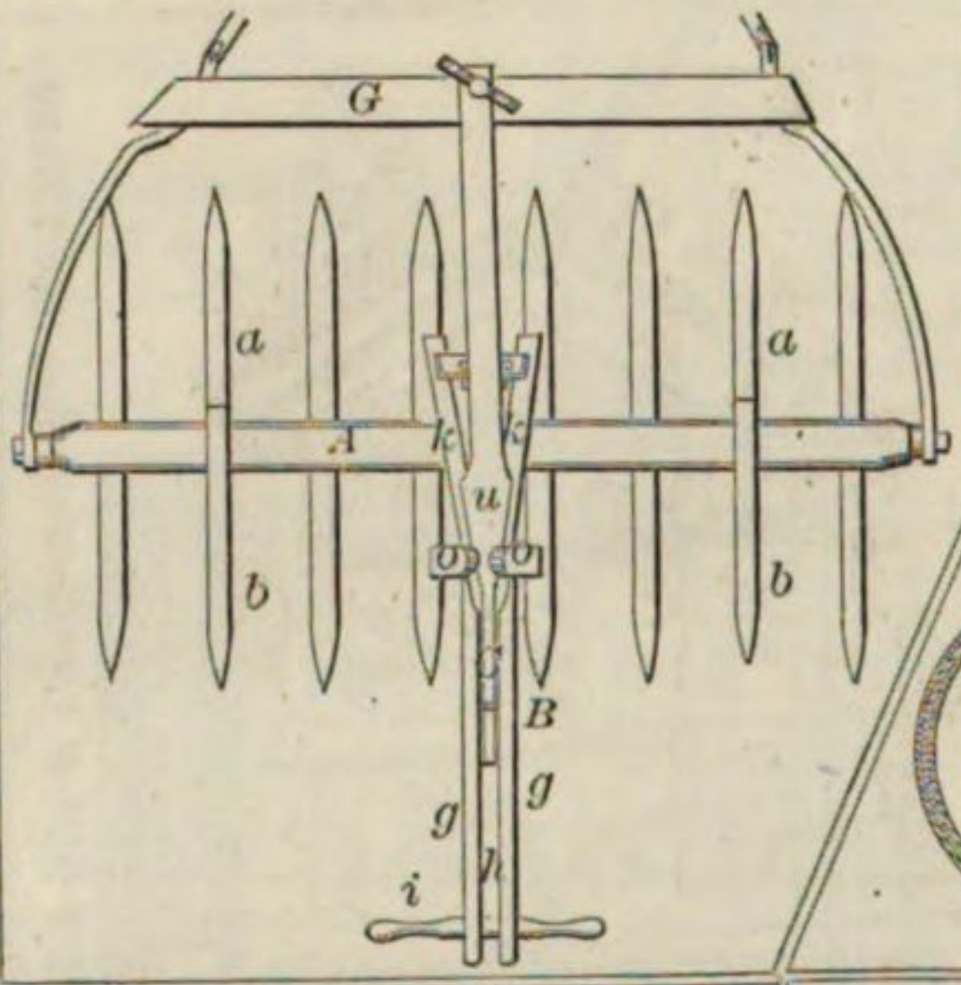
59106—T. Welham—*For Spinning direct from the Doffer of Carding Engines.*



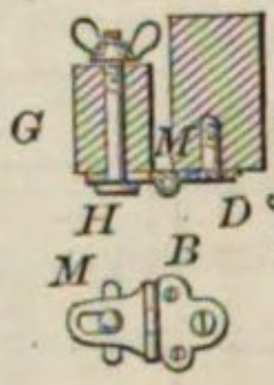
59110—E. Whitney—*Double-Barreled Fire Arm.*



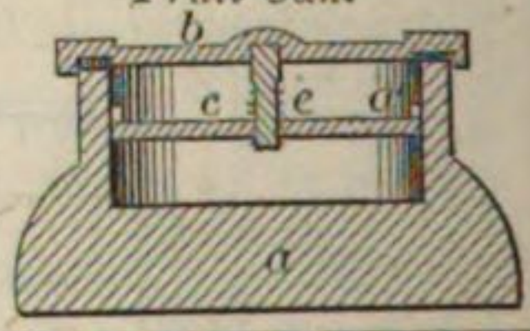
59113—J. Wood—*Horse Rake.*



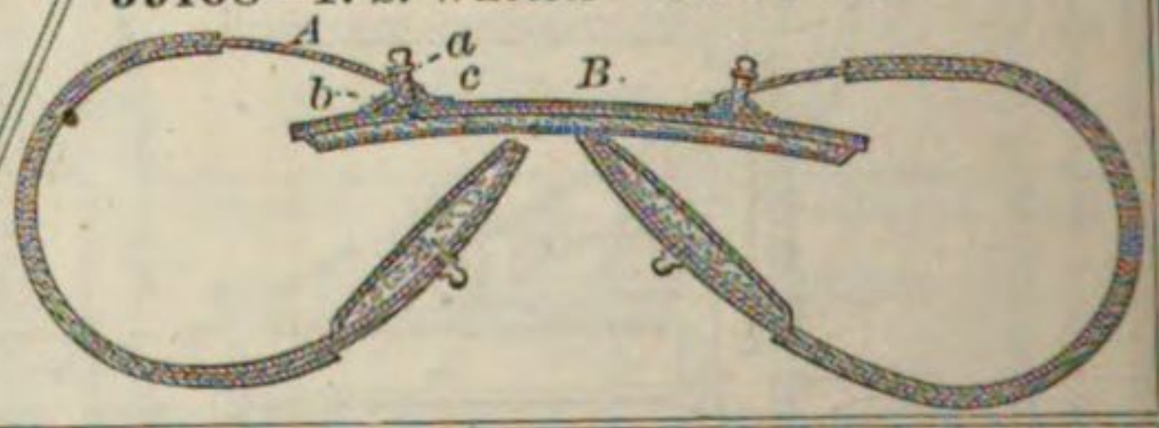
59107—W. T. Wells—*Hinge.*



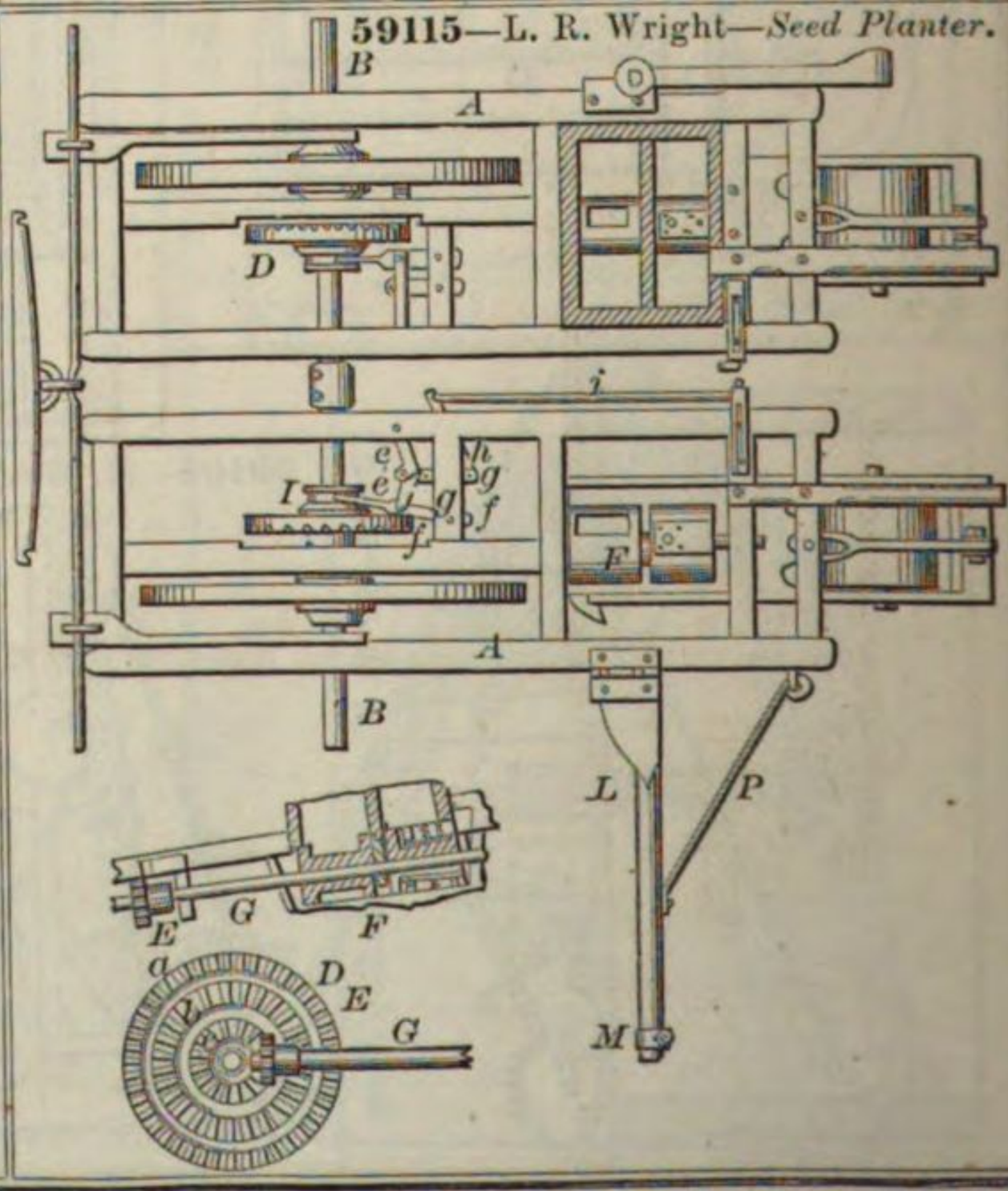
59111—L. J. Wicks—*Fruit Can.*



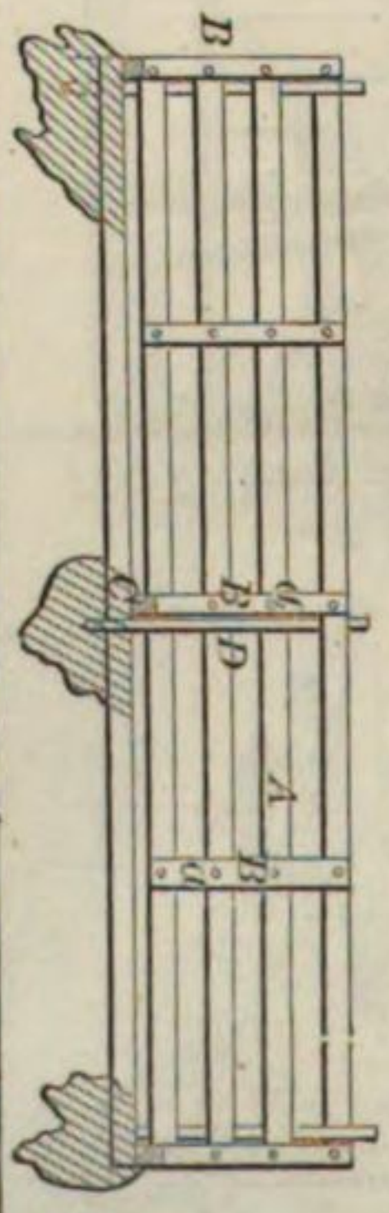
59108—T. S. Wheeler—*Truss Pad.*



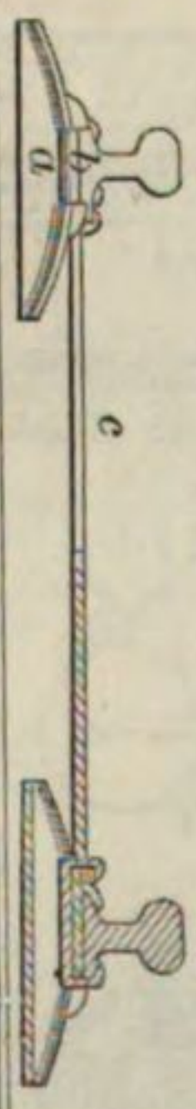
59115—L. R. Wright—*Seed Planter.*



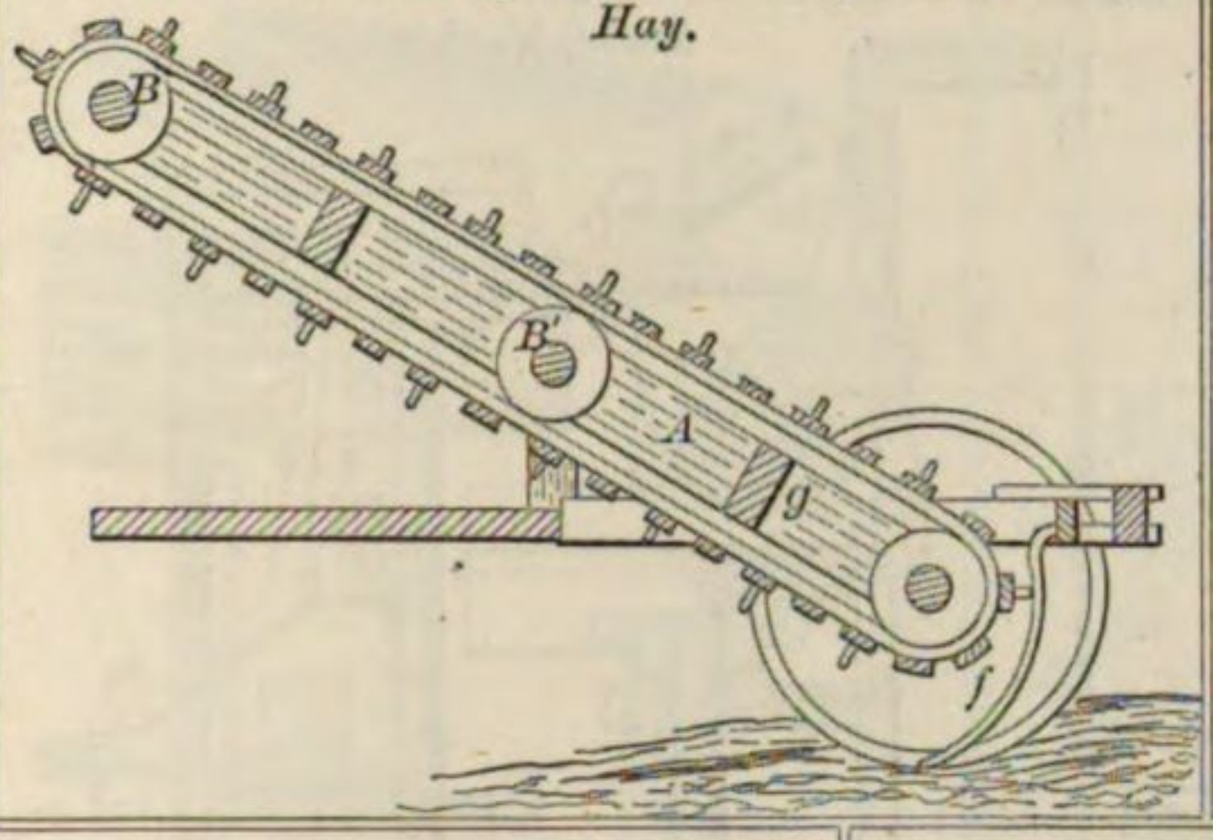
59114—G. C. Wright—*Portable Fence.*



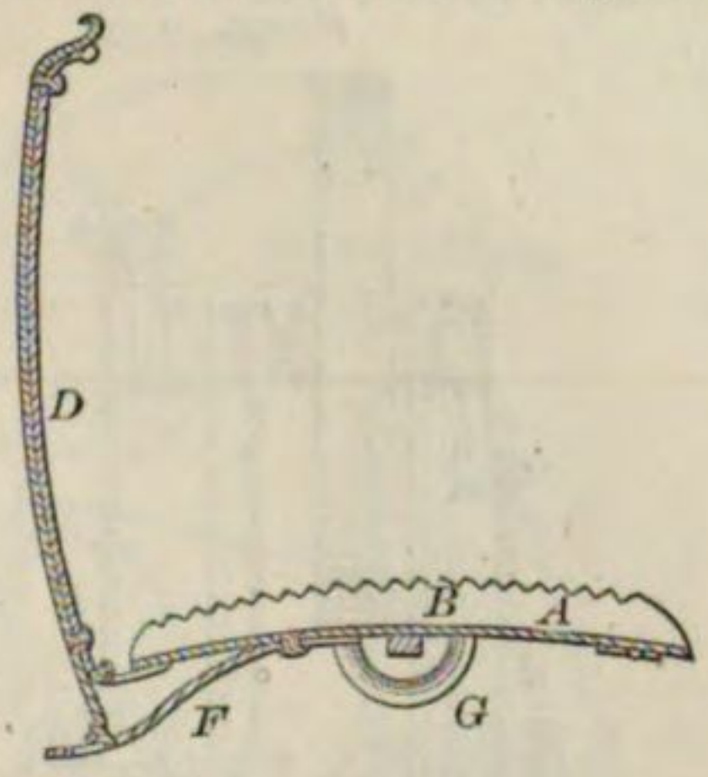
59112—S. Winkley—*Railway.*



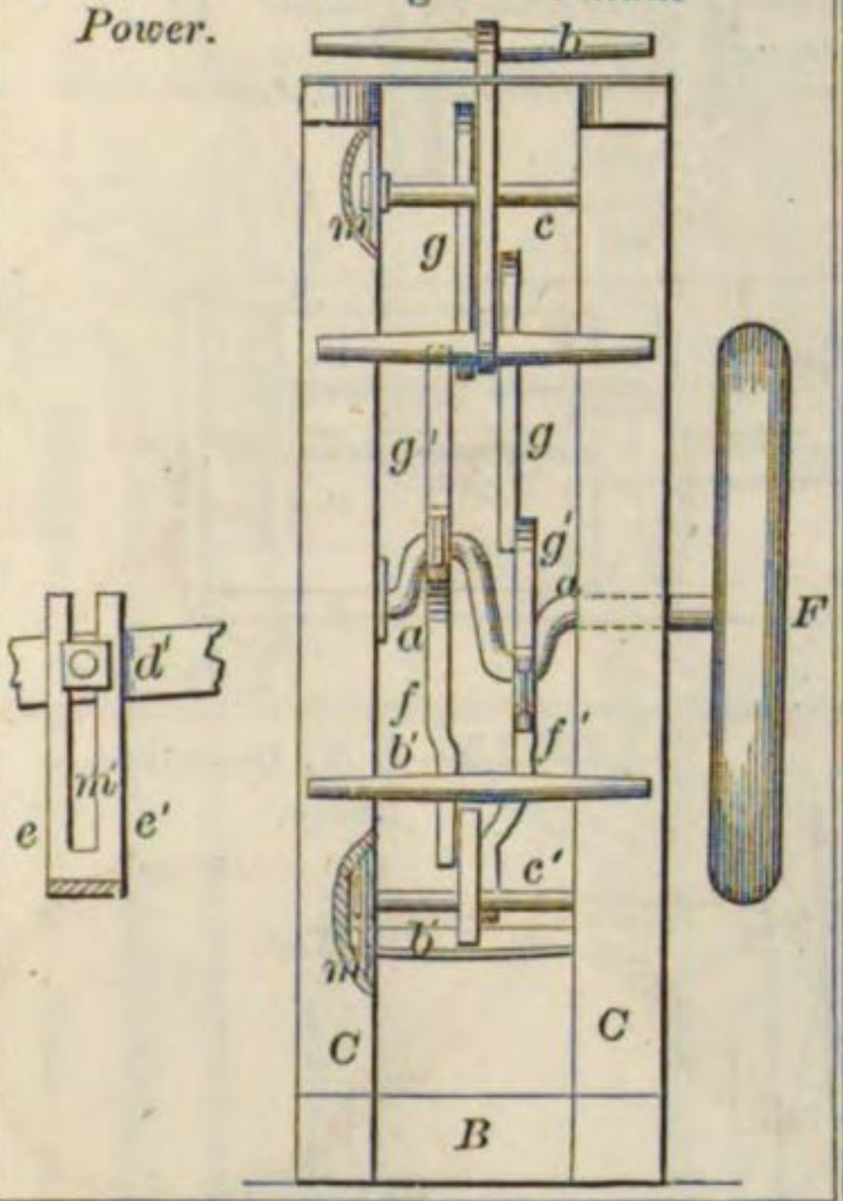
59116—R. & I. Wright—*For Raking and Loading Hay.*



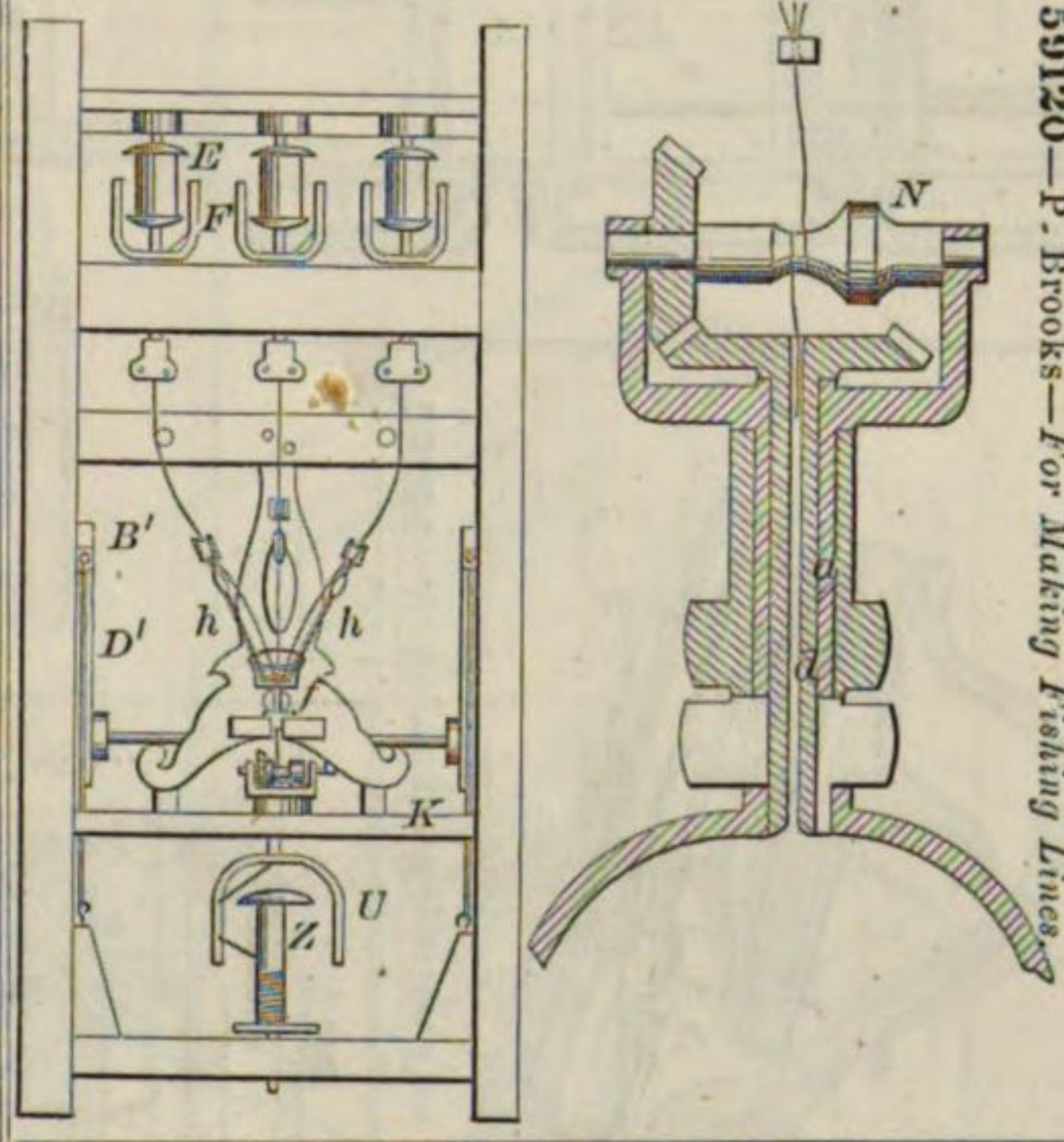
59118—W. F. Arnold—*Curry Comb.*



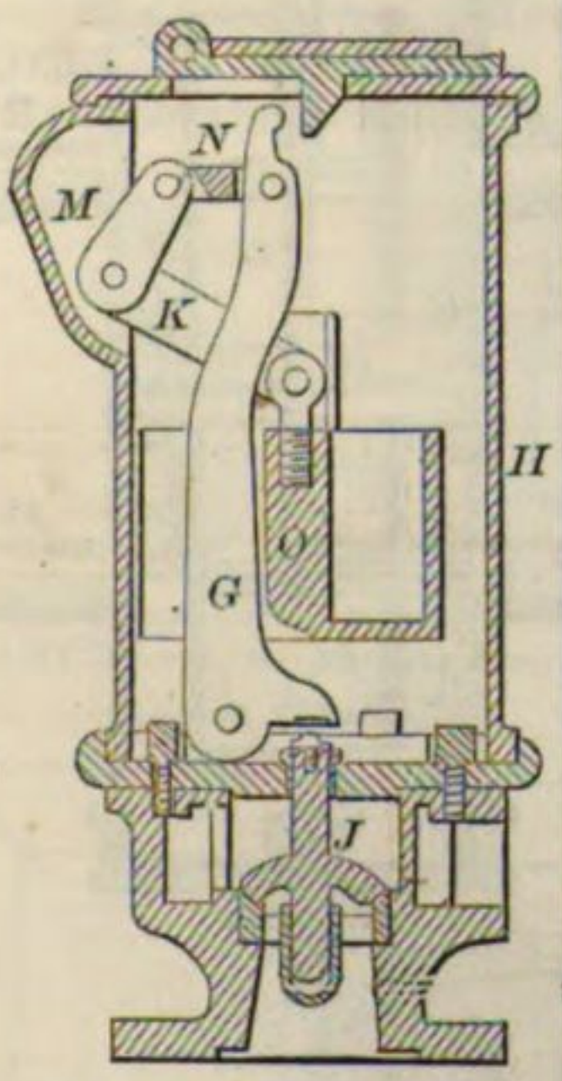
59117—J. H. Yager—*Manual Power.*



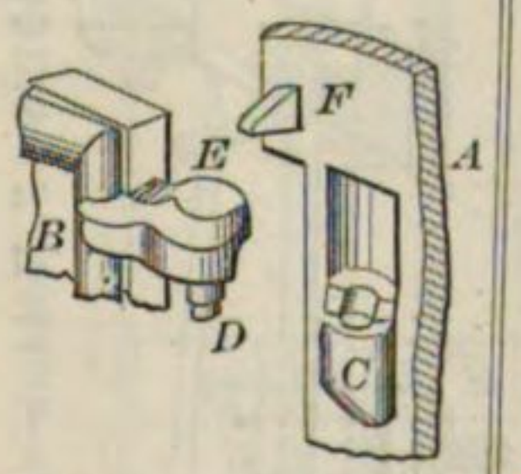
59120—P. Brooks—*For Making Fishing Lines.*



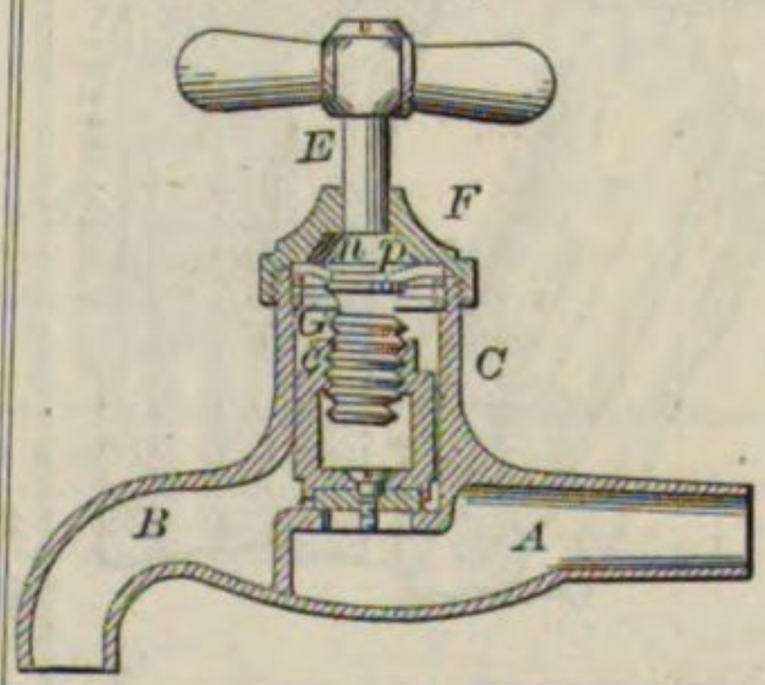
59121—W. Burnett—*Safety Valve.*



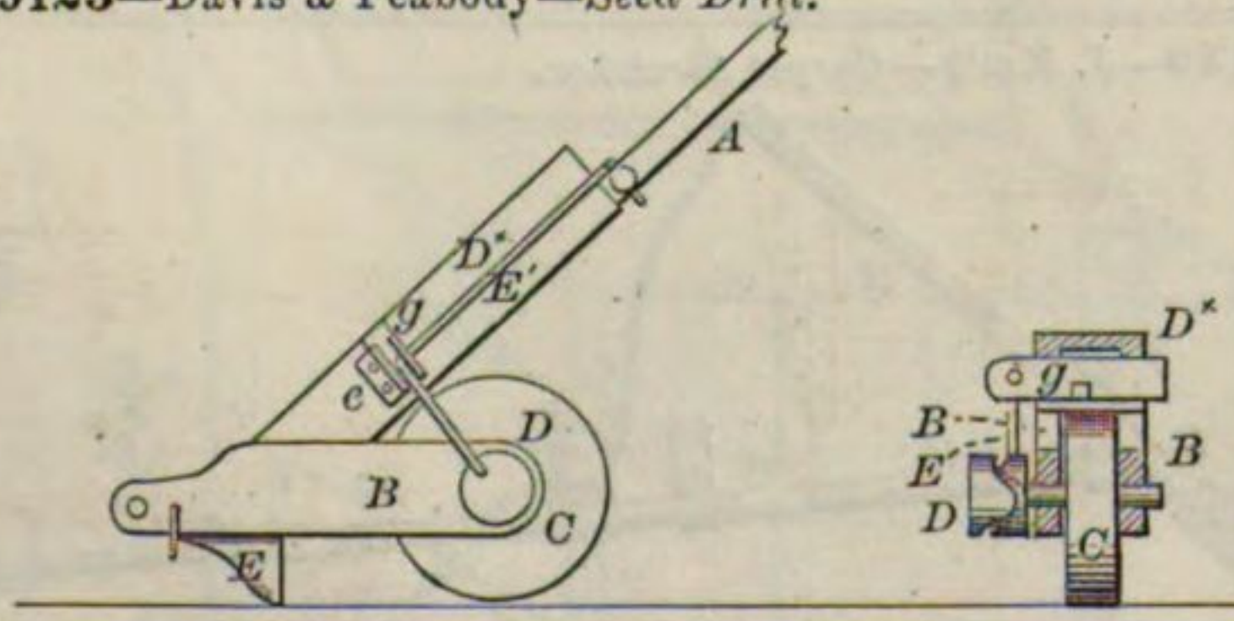
59119—S. C. Batchelor—*Stove Door.*



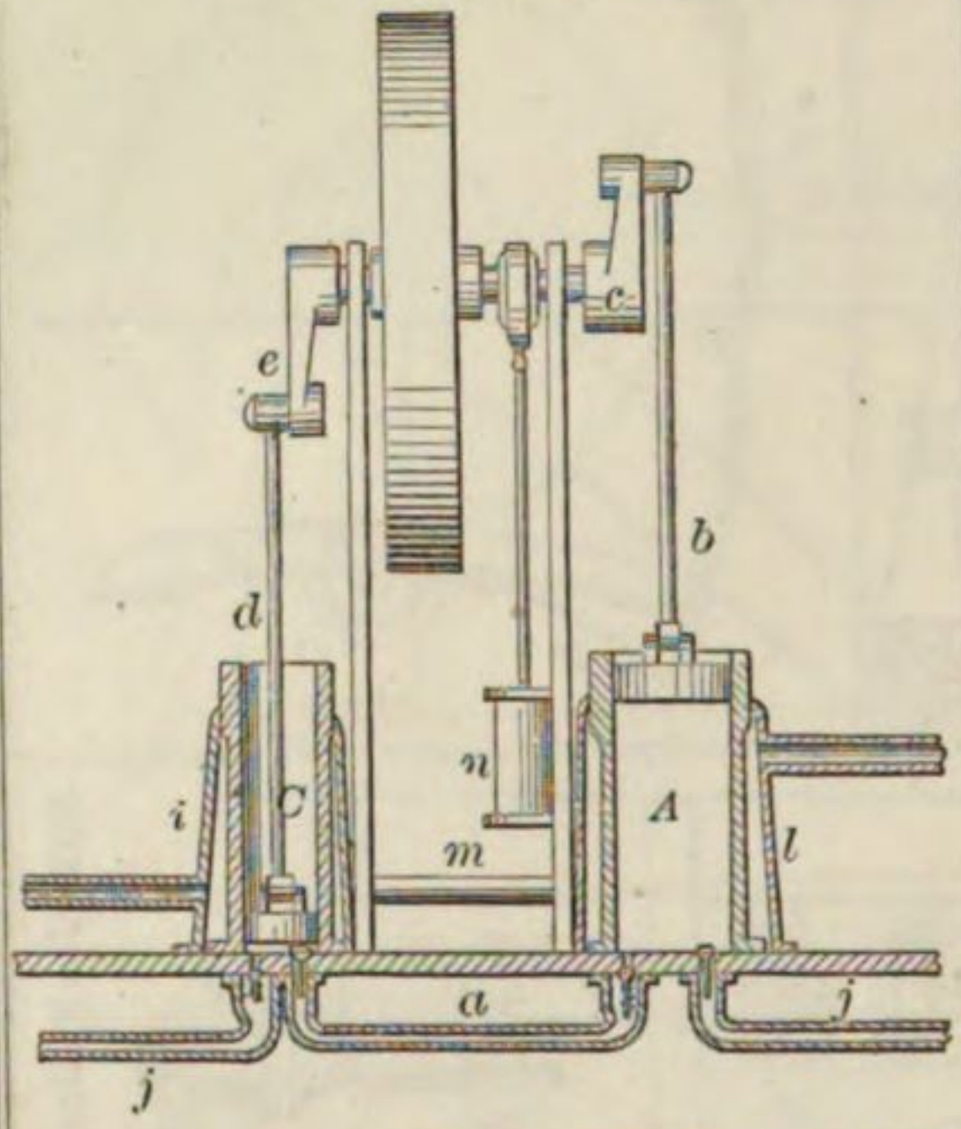
59122—W. S. Cooper—*Faucet.*



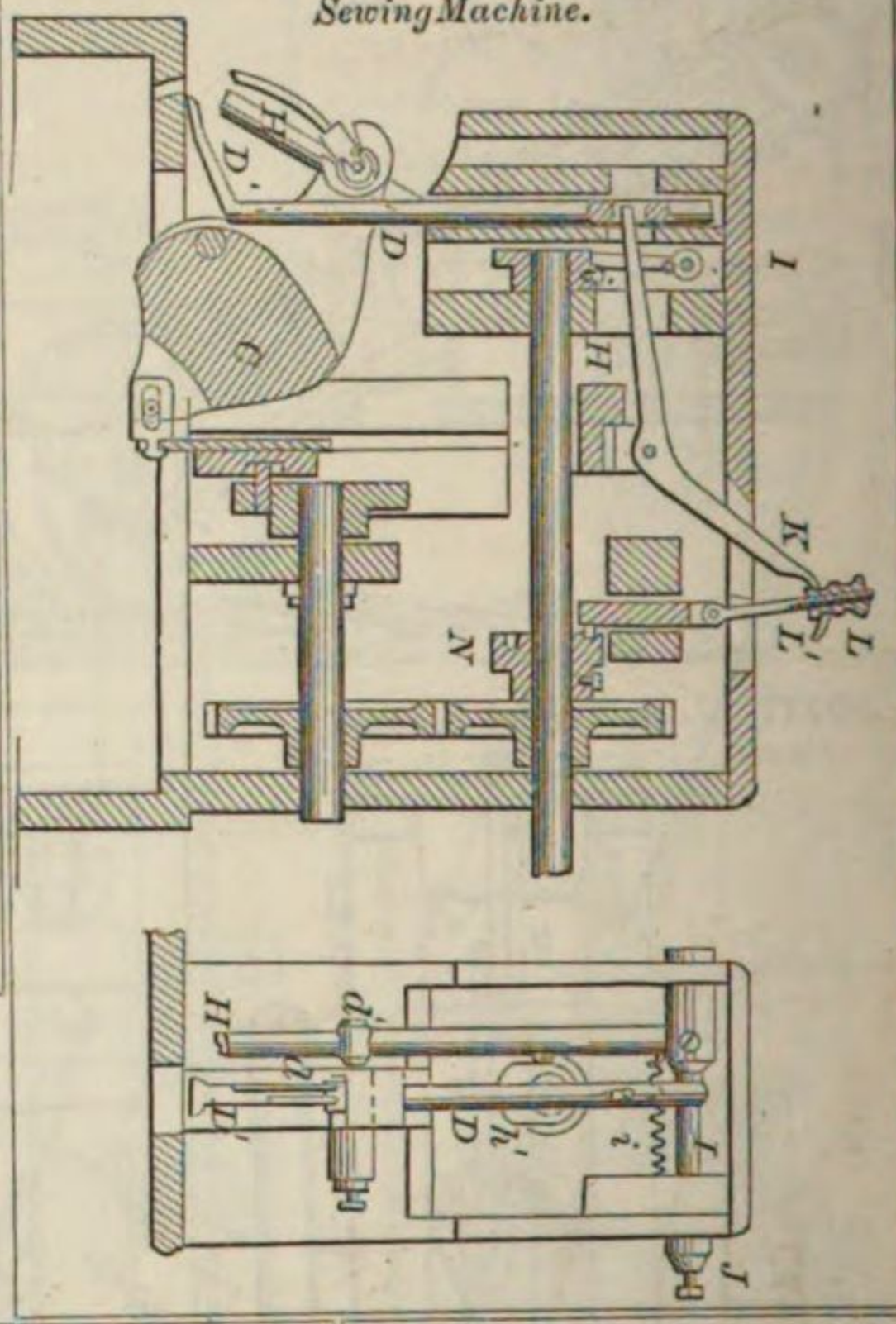
59123—Davis & Peabody—*Seed Drill.*



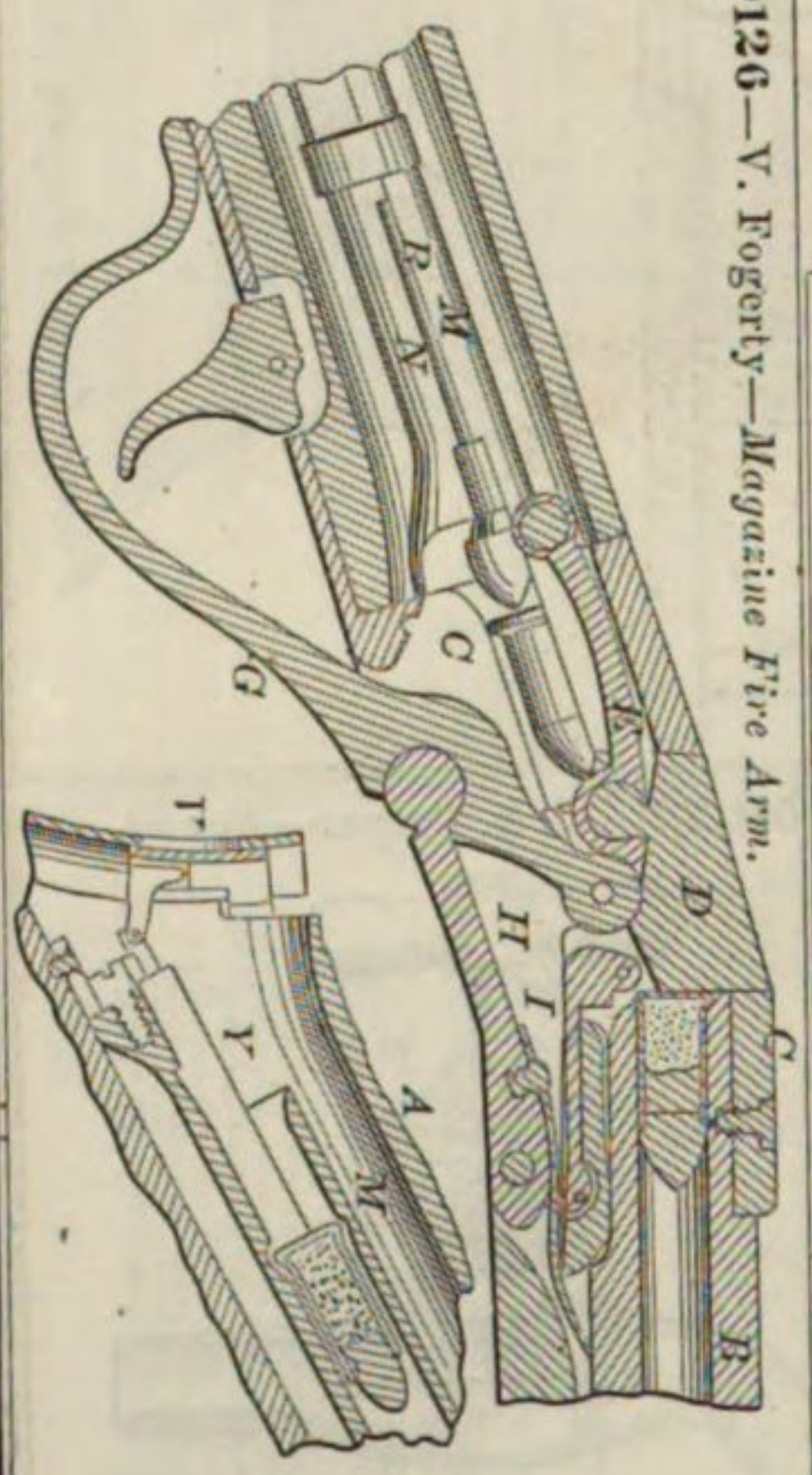
59124—J. N. Dennison—*Air Compressing Pump.*



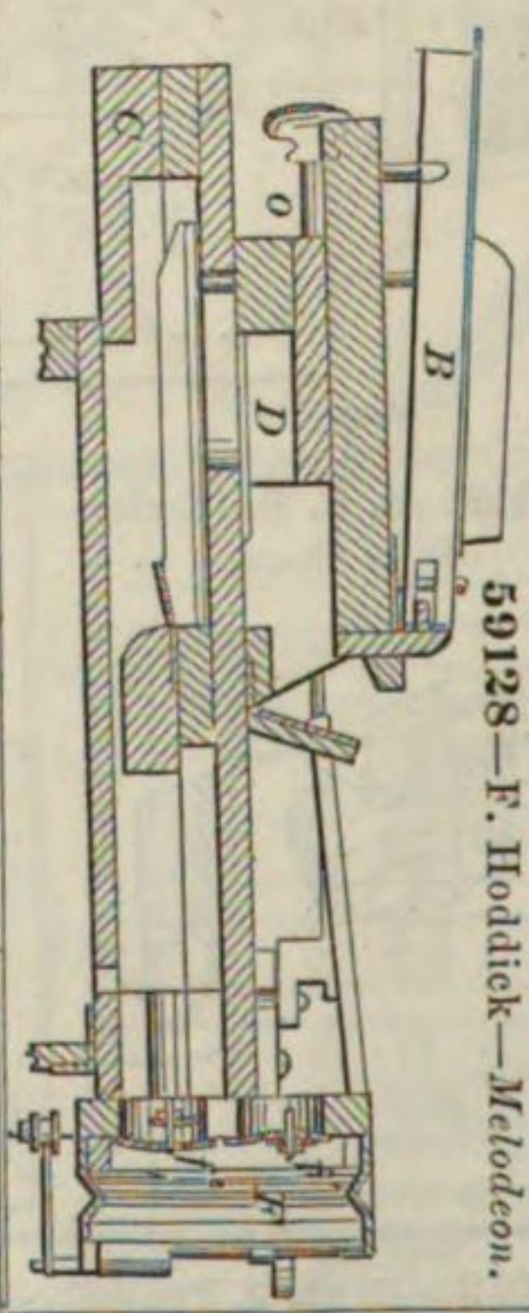
59127—T. J. Halligan—*Waxed Thread Sewing Machine.*



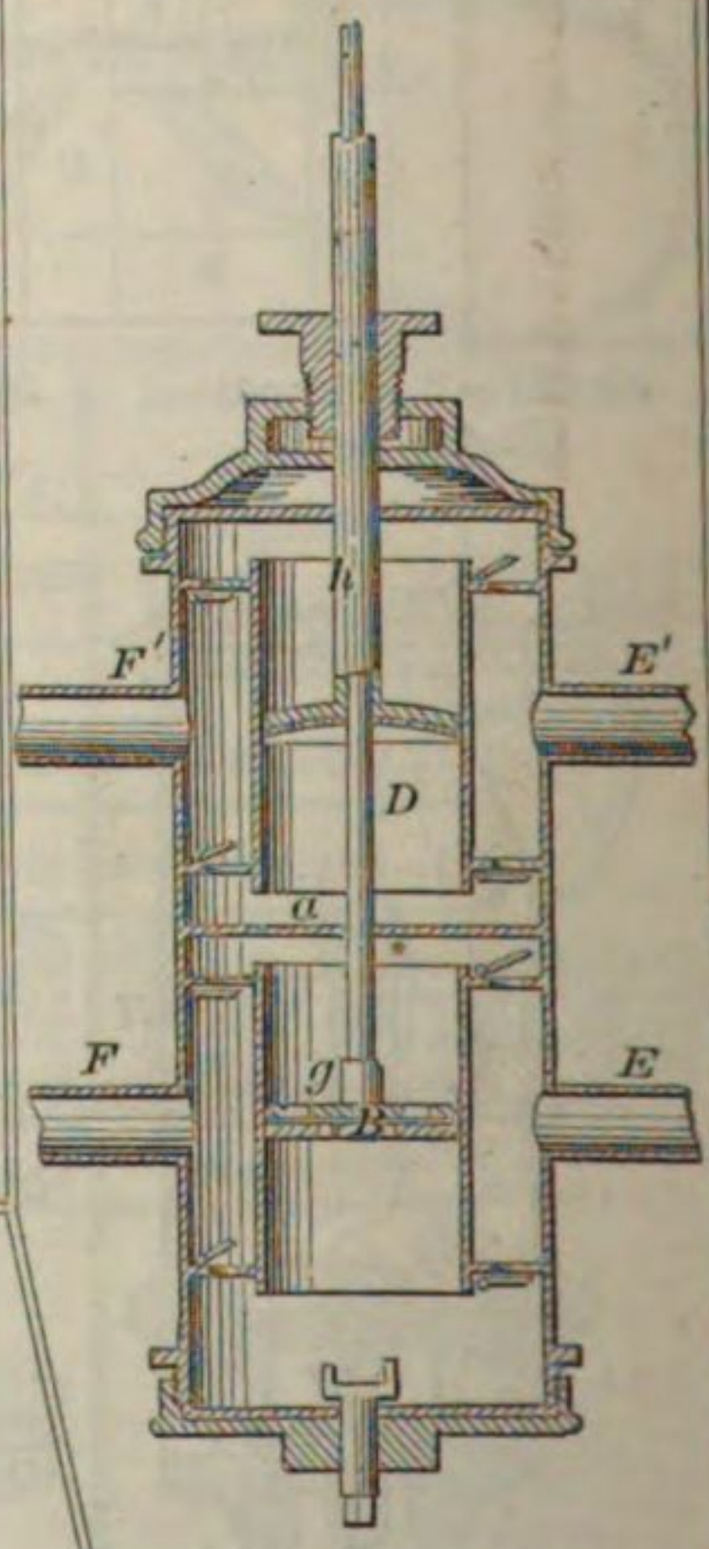
59126—V. Fogerty—*Magazine Fire Arm.*



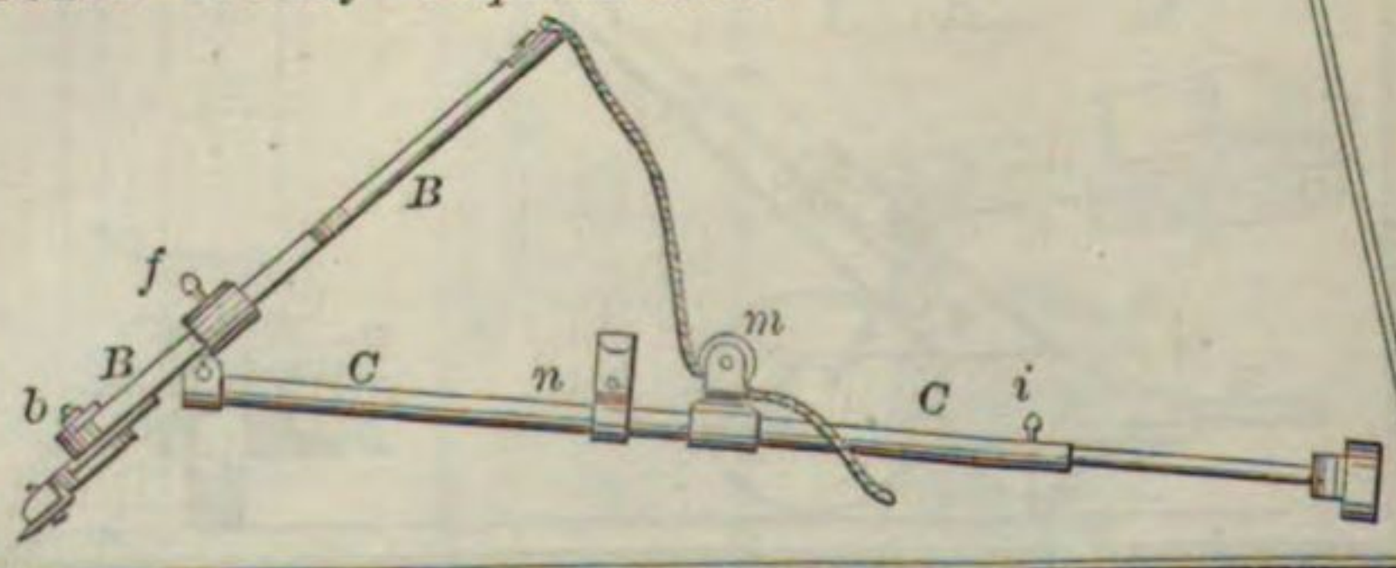
59128—F. Hoddick—*Melodeon.*



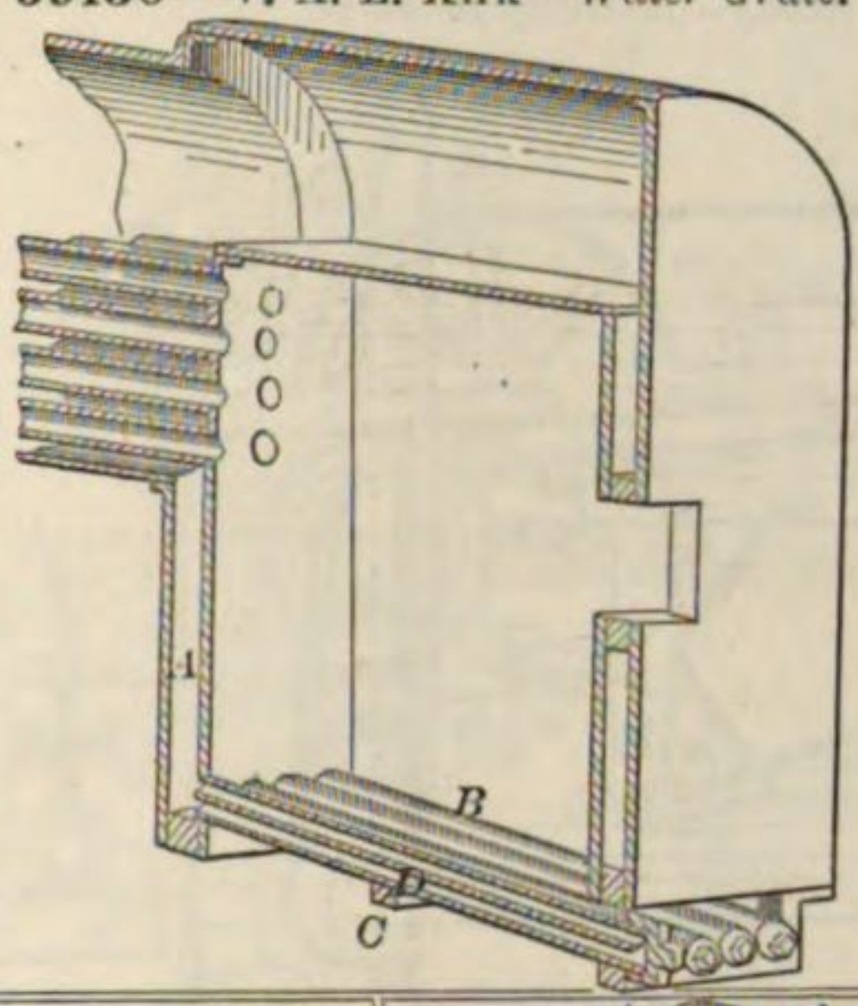
59125—J. N. Dennison—*Pump.*



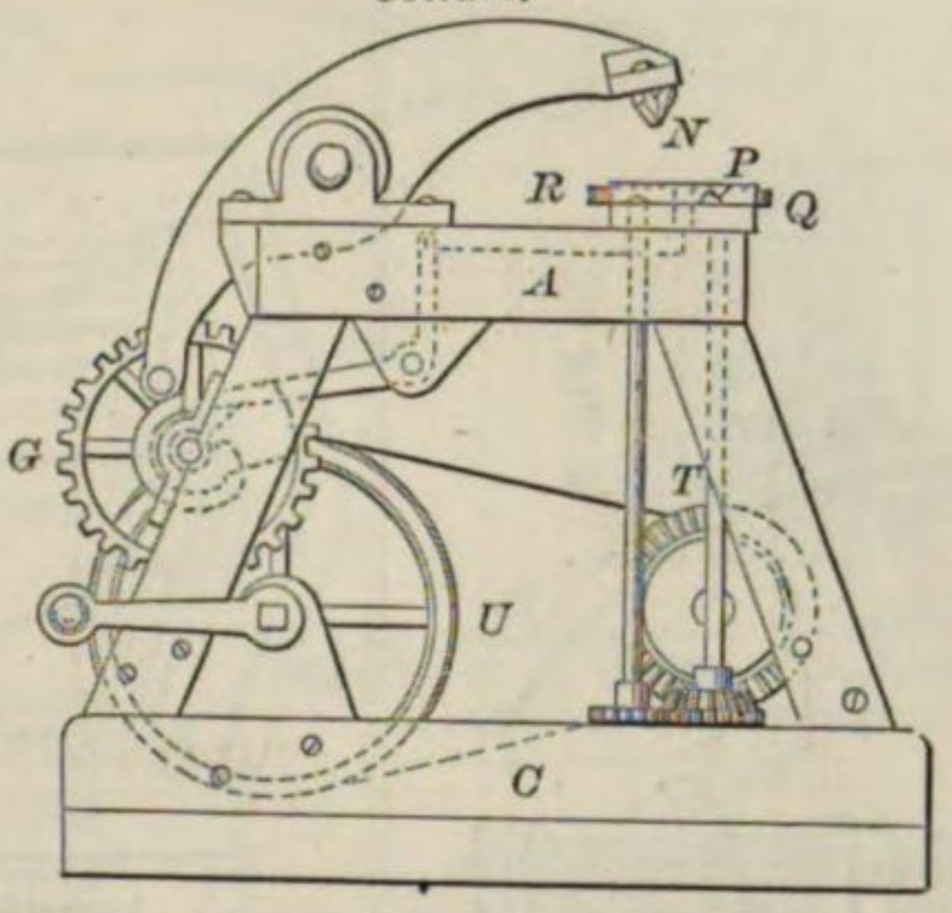
59129—J. Kaily—*Carpet Stretcher.*



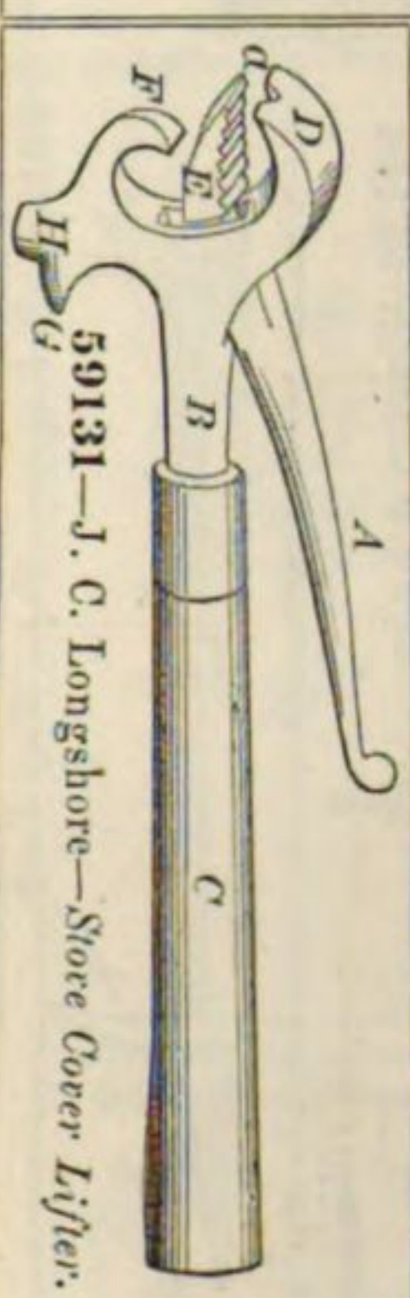
59130—W. A. L. Kirk—*Water Grate.*



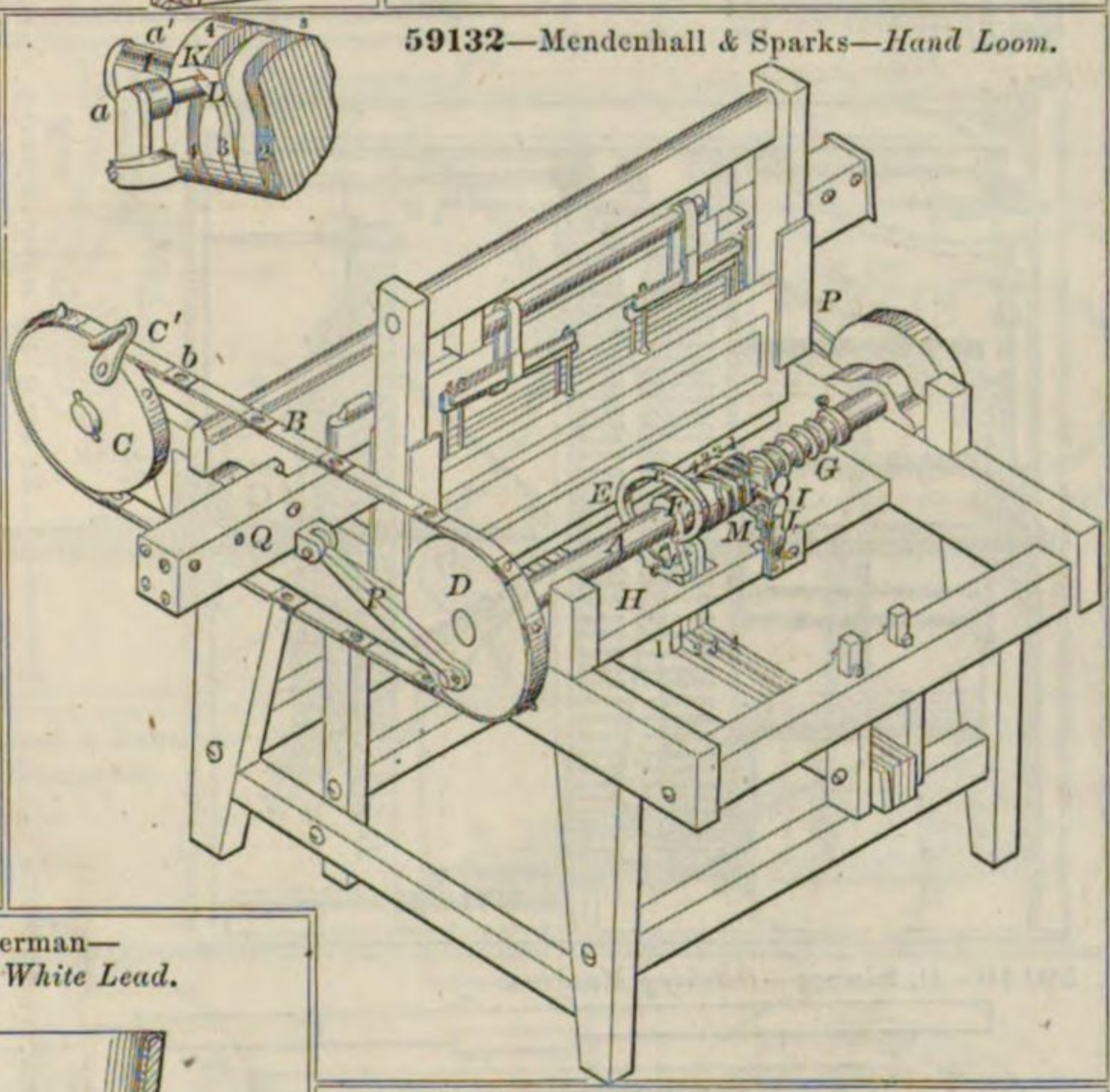
59134—C. E. Moore—*For Folding Paper Collars.*



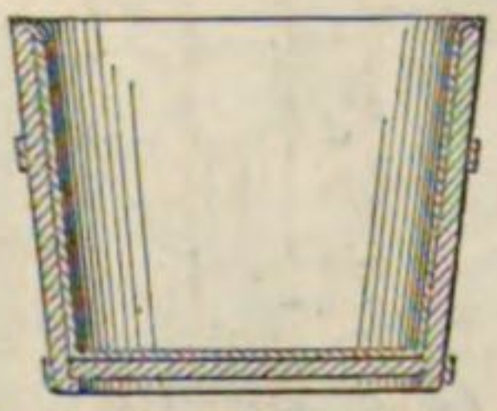
59131—J. C. Longshore—*Stove Cover Lifter.*



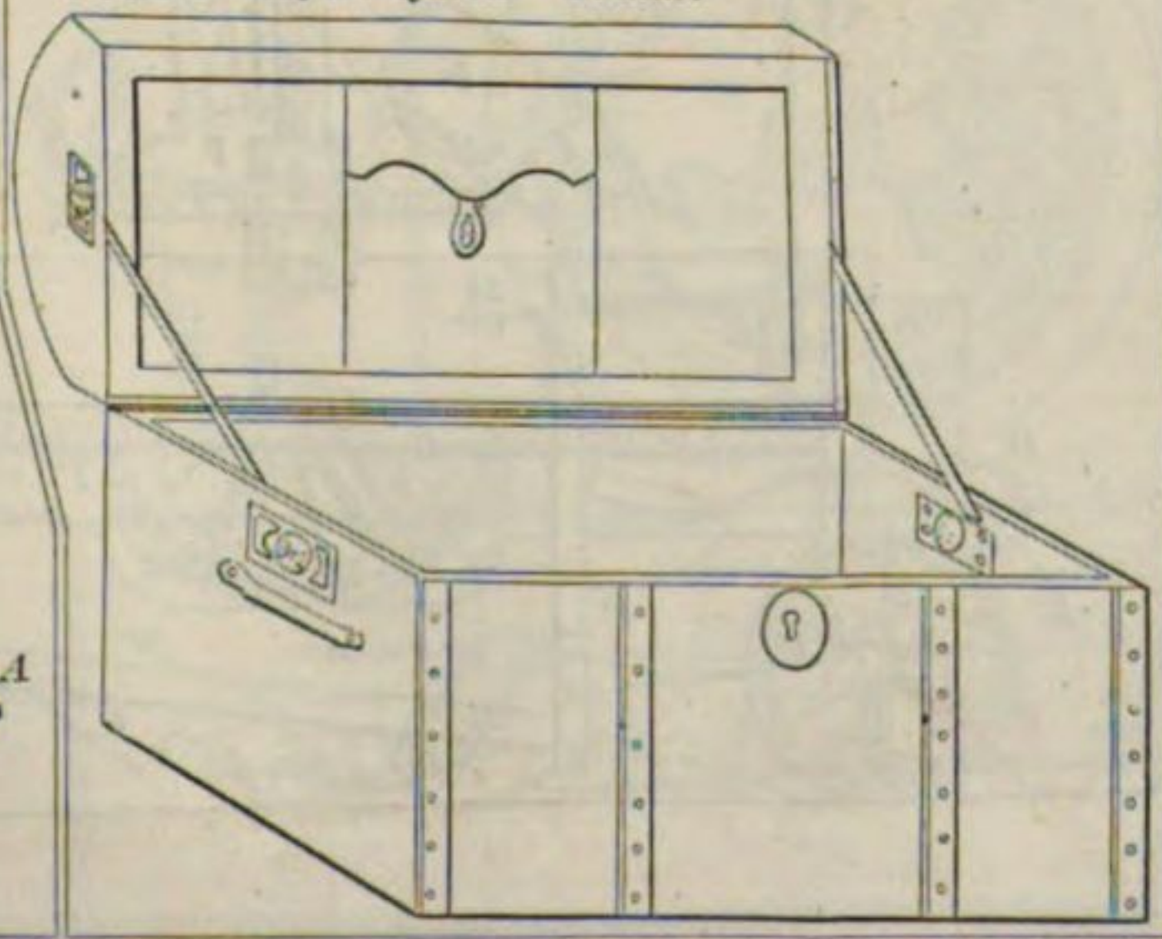
59132—Mendenhall & Sparks—*Hand Loom.*



59135—H. J. Overman—
Manufacture of White Lead.



59136—E. B. Quick—*Trunk.*



59133—J. O. Montignani—
Clothes Rack.

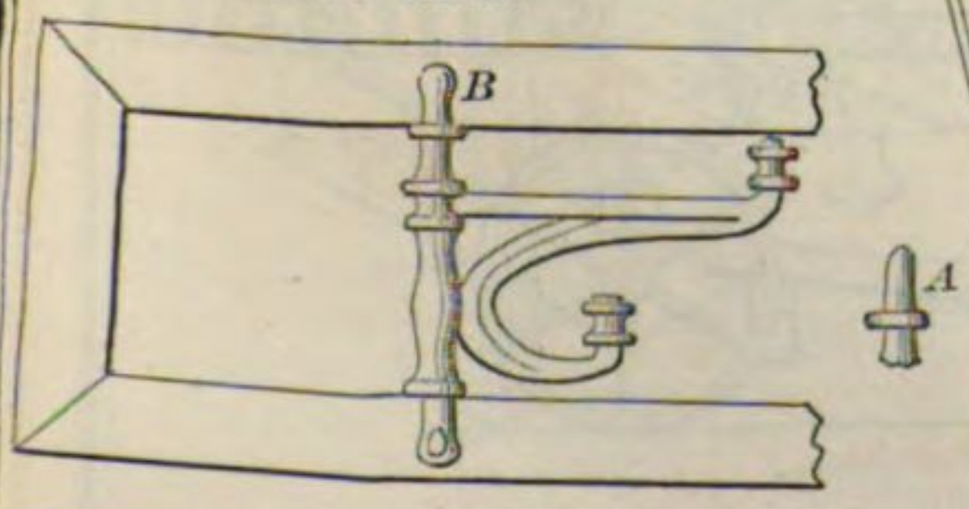
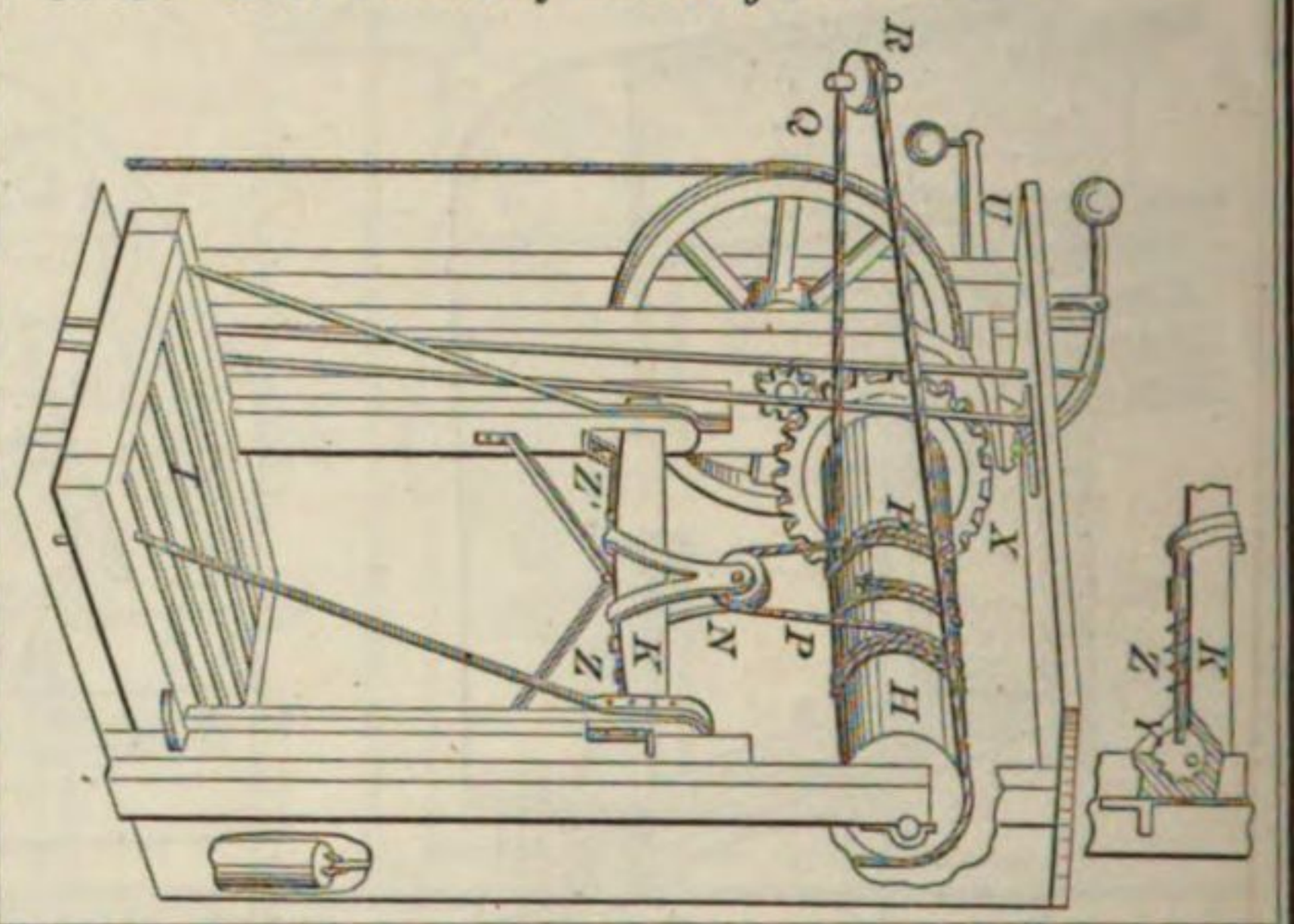


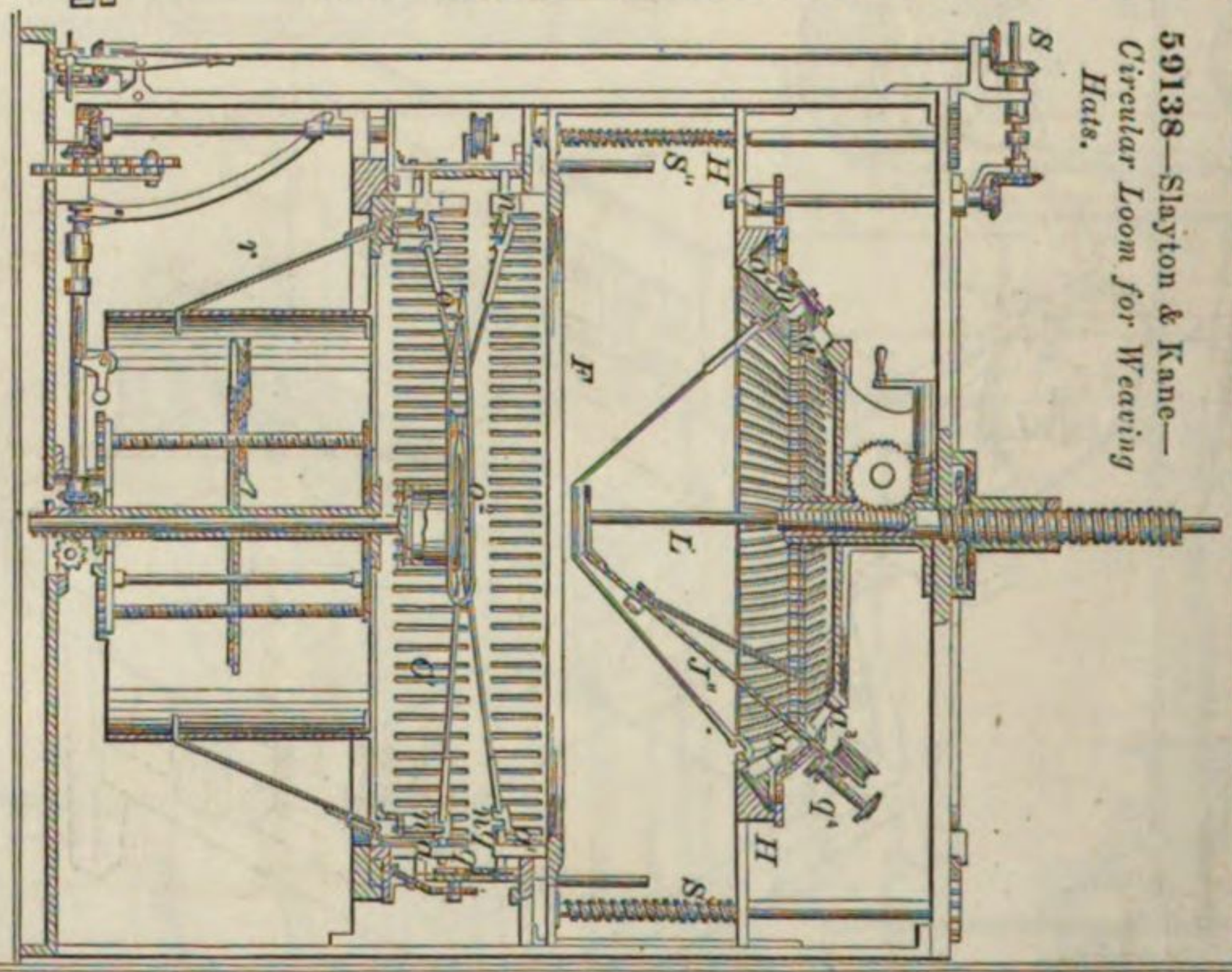
Fig. 9

Fig. 10

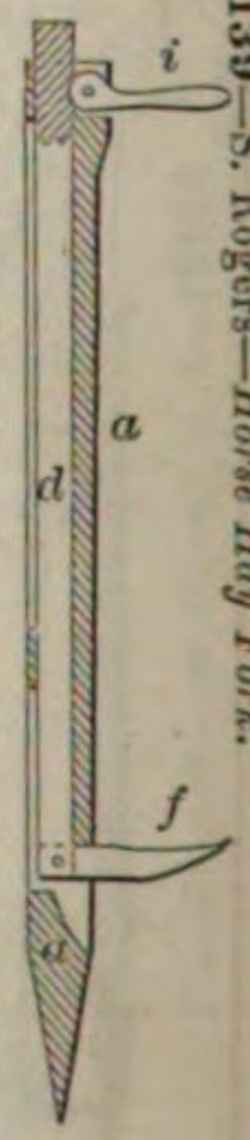
59137—H. J. & J. Reedy—*Hoisting Machine.*



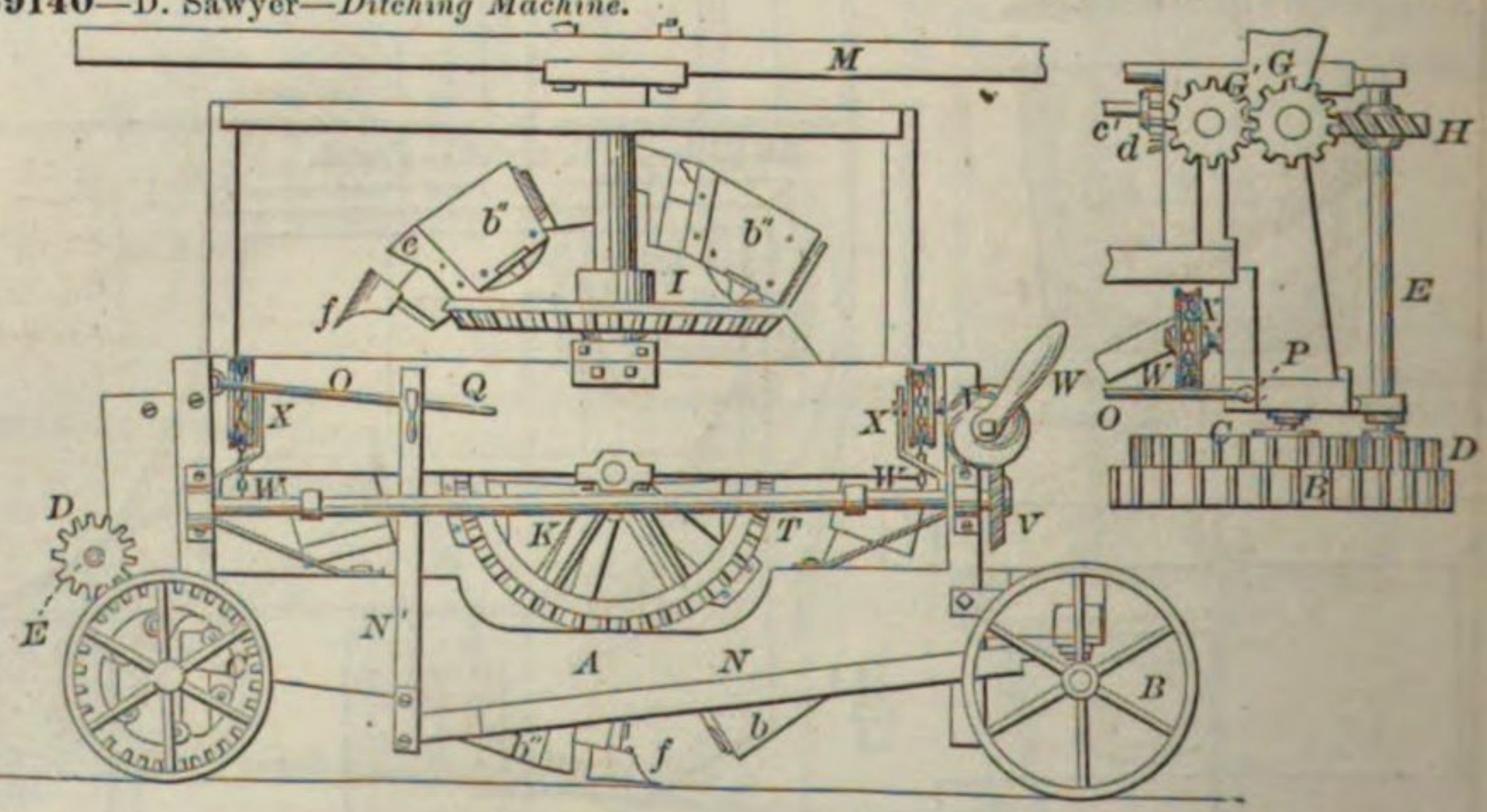
59138—Slayton & Kane—*Circular Loom for Weaving Hats.*



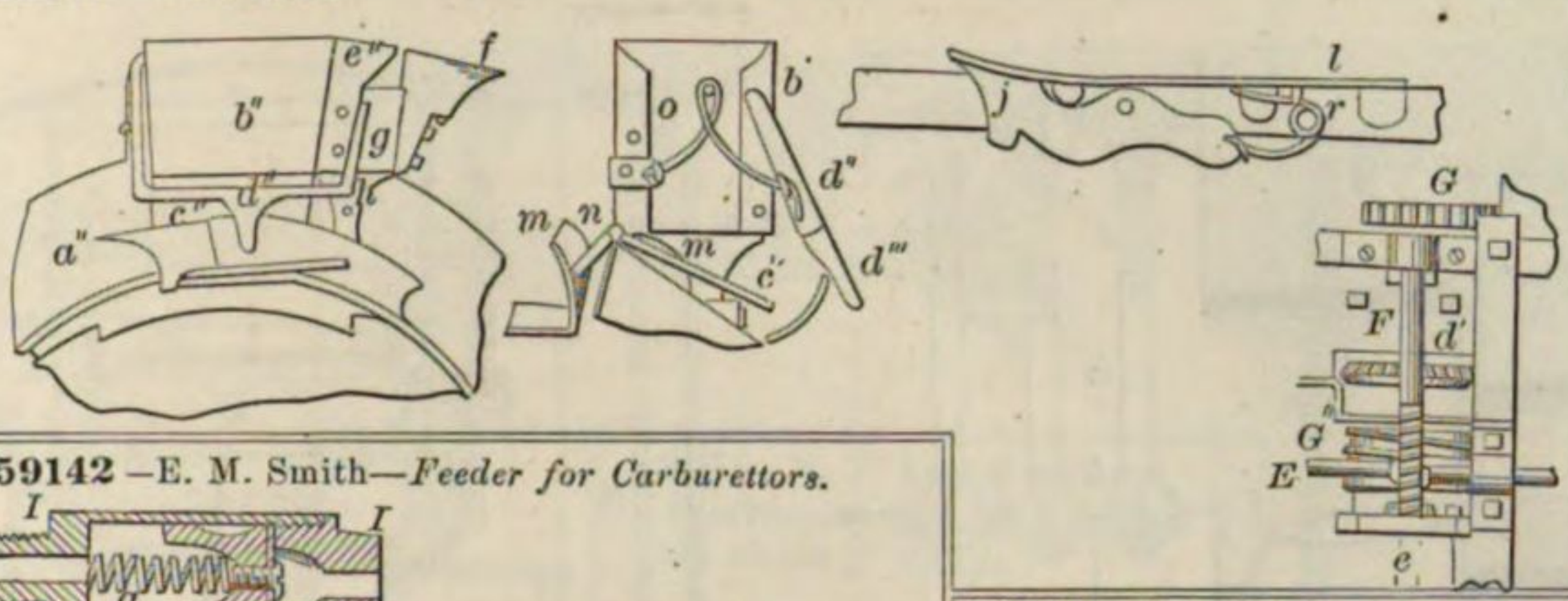
59139—S. Rogers—*Horse Hay Fork.*



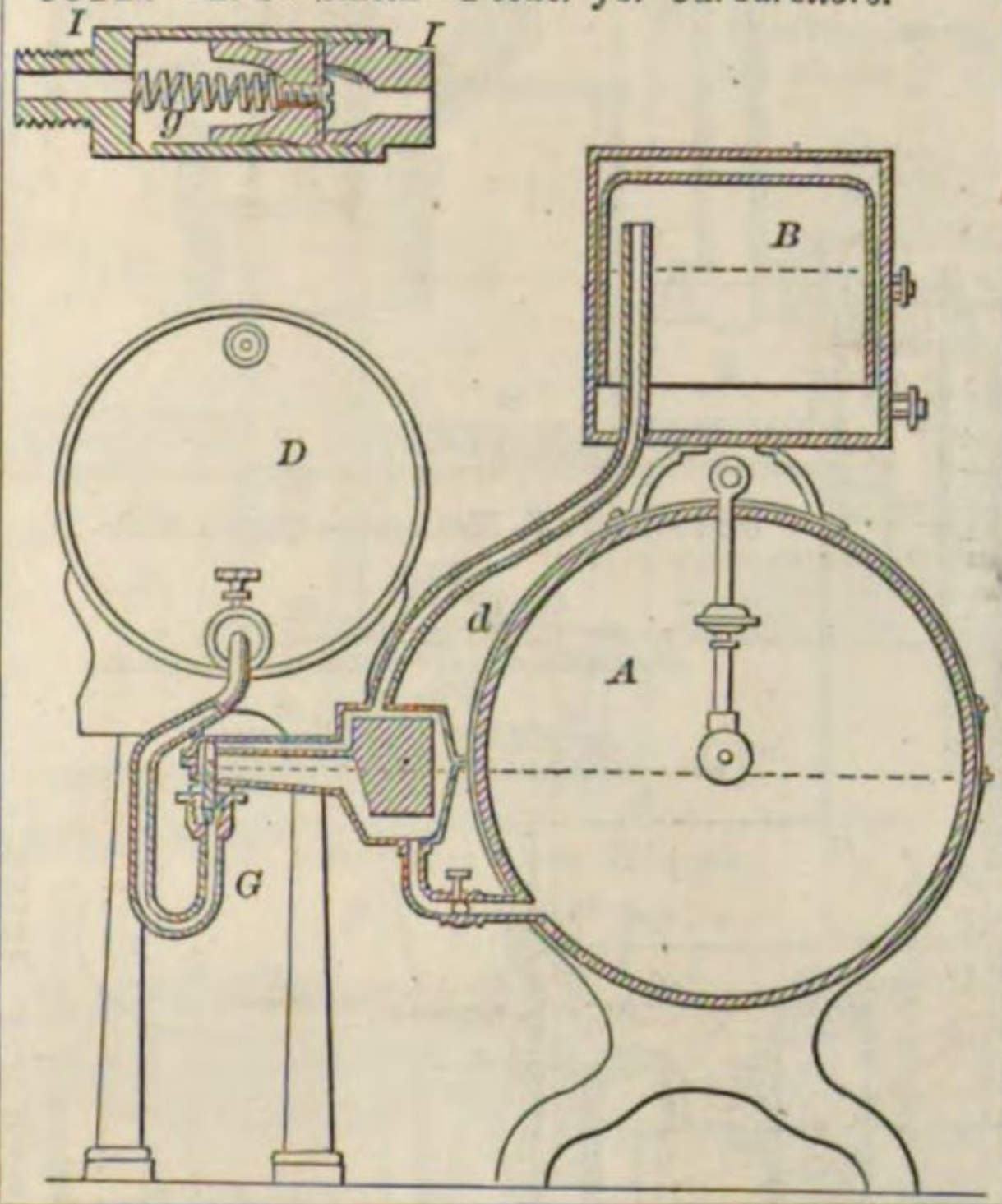
59140—D. Sawyer—*Ditching Machine.*



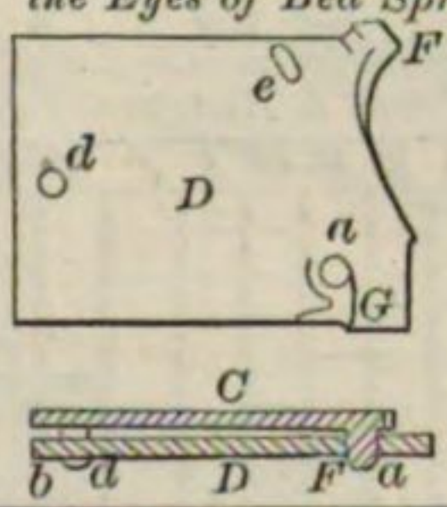
59140—*Continued.*



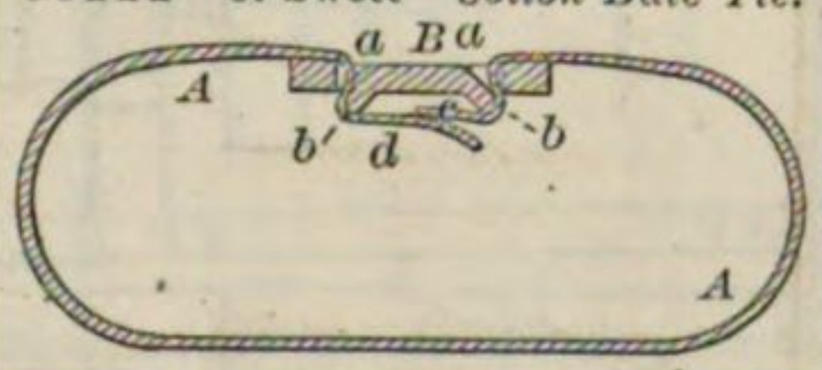
59142—E. M. Smith—*Feeder for Carburettors.*



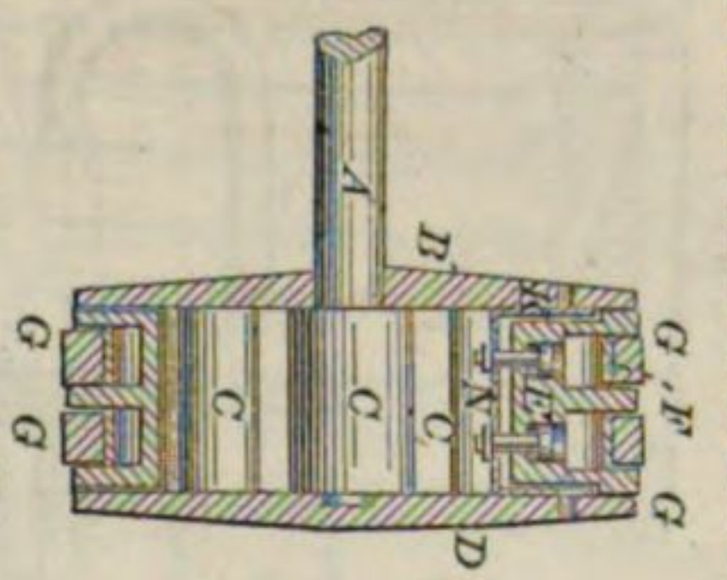
59145—N. B. White—*For Forming the Eyes of Bed Springs.*



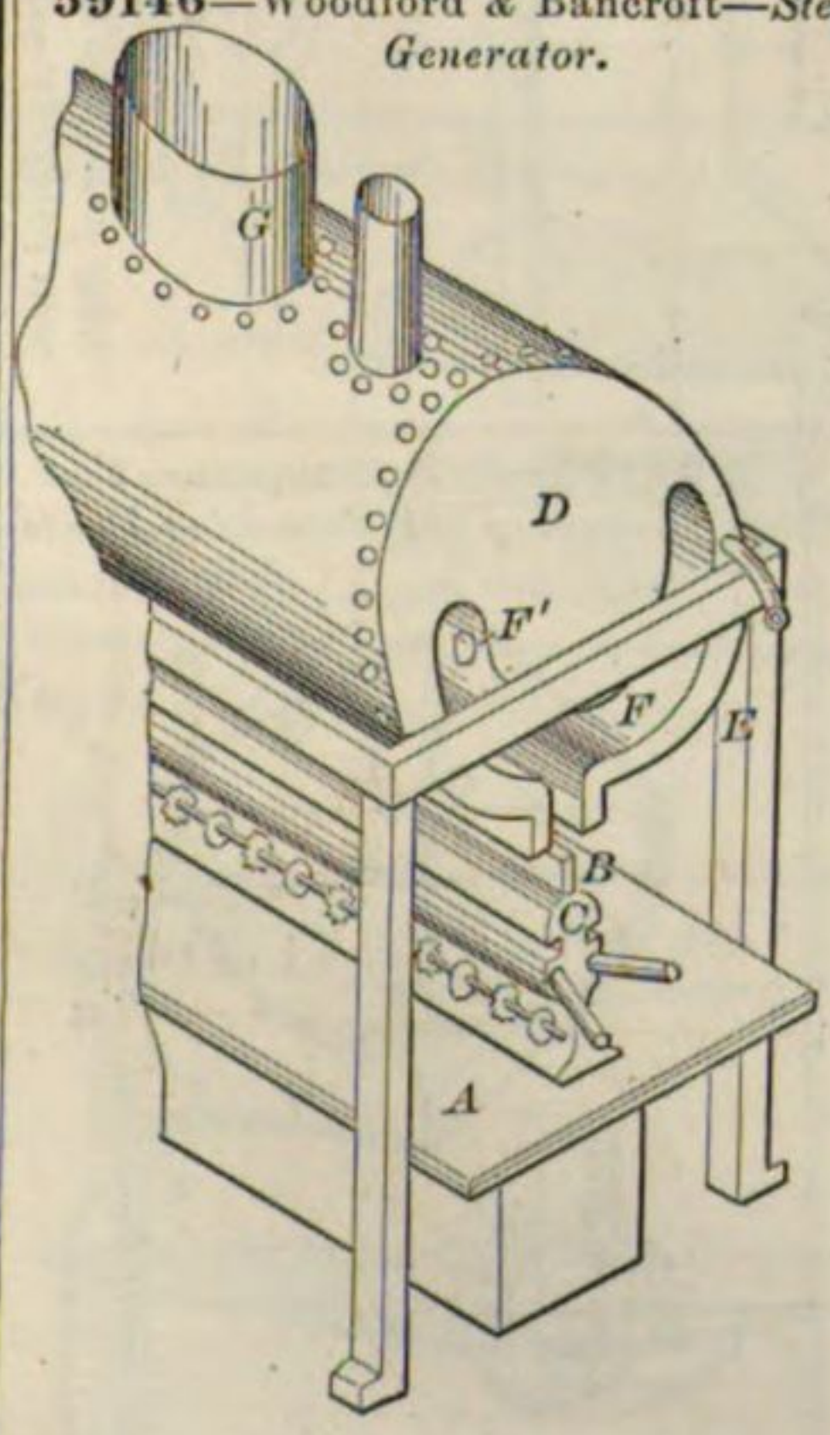
59144—C. Swett—*Cotton Bale Tie.*

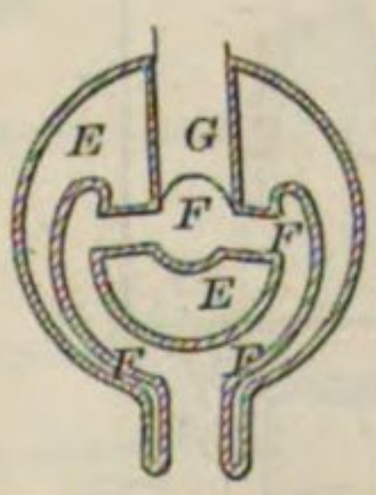


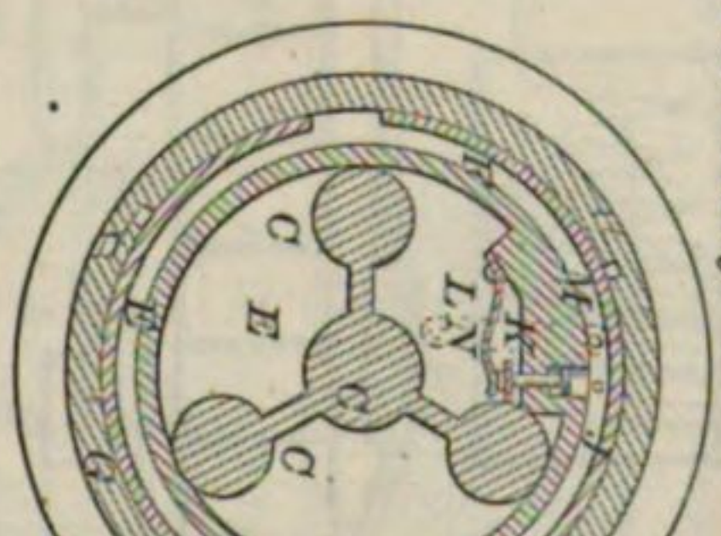
59143—Snook & Patchell—*Piston Packing.*



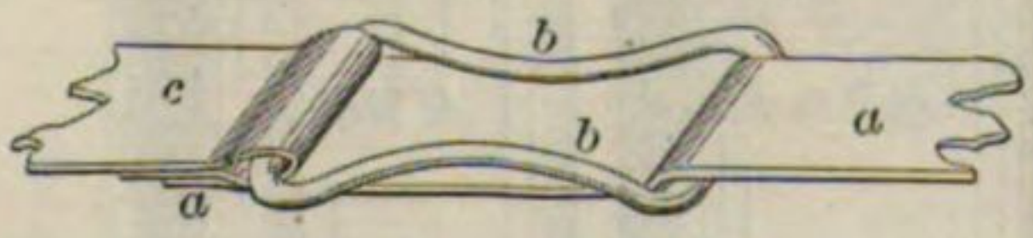
59146—Woodford & Bancroft—*Steam Generator.*







59141—G. A. Seaver—*Cotton Bale Tie.*



59147—Howard & Tenney—*Steam Generator.*

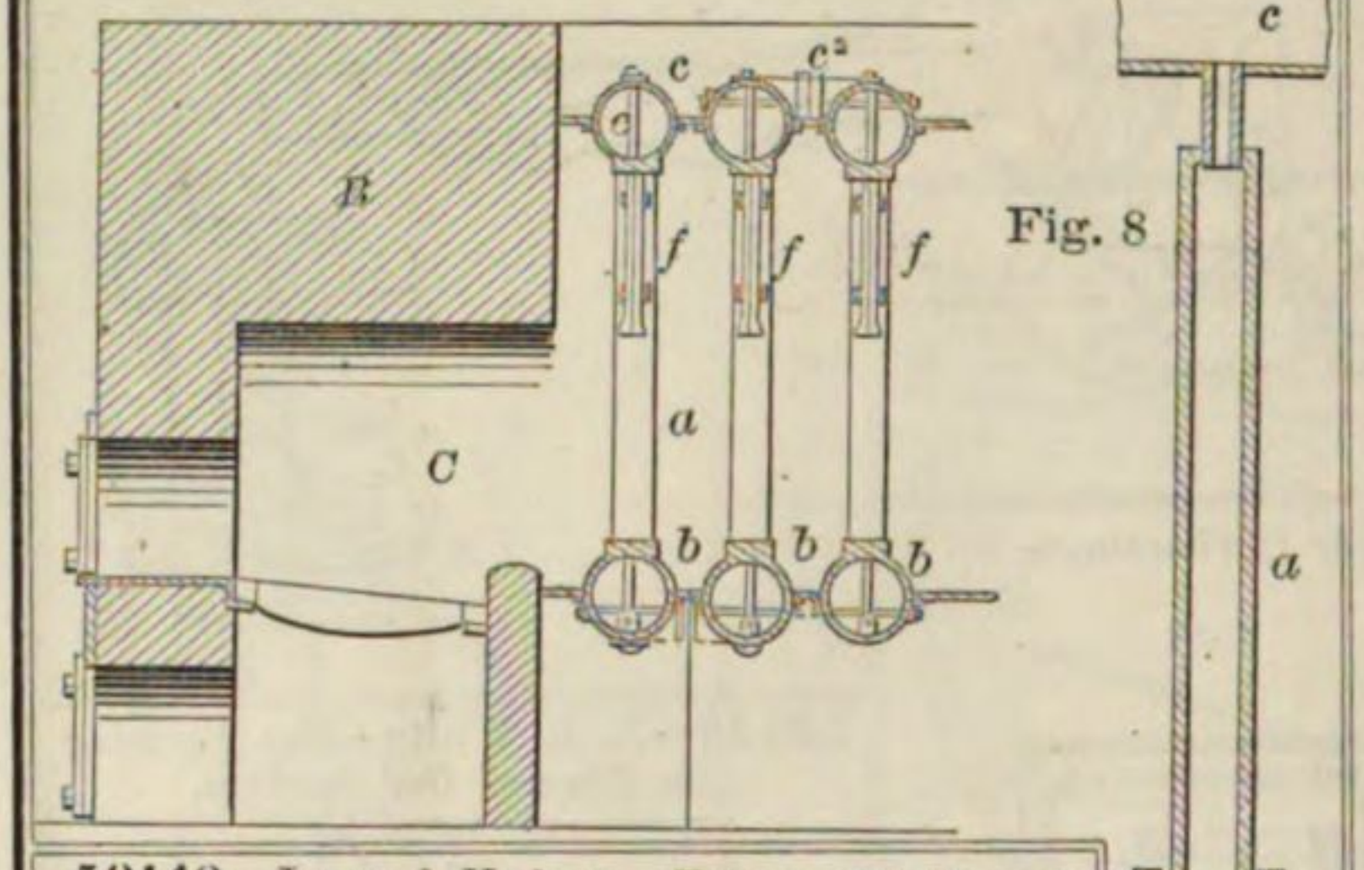
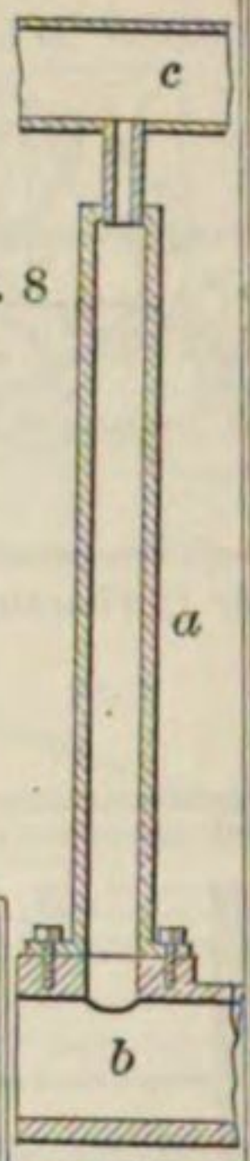
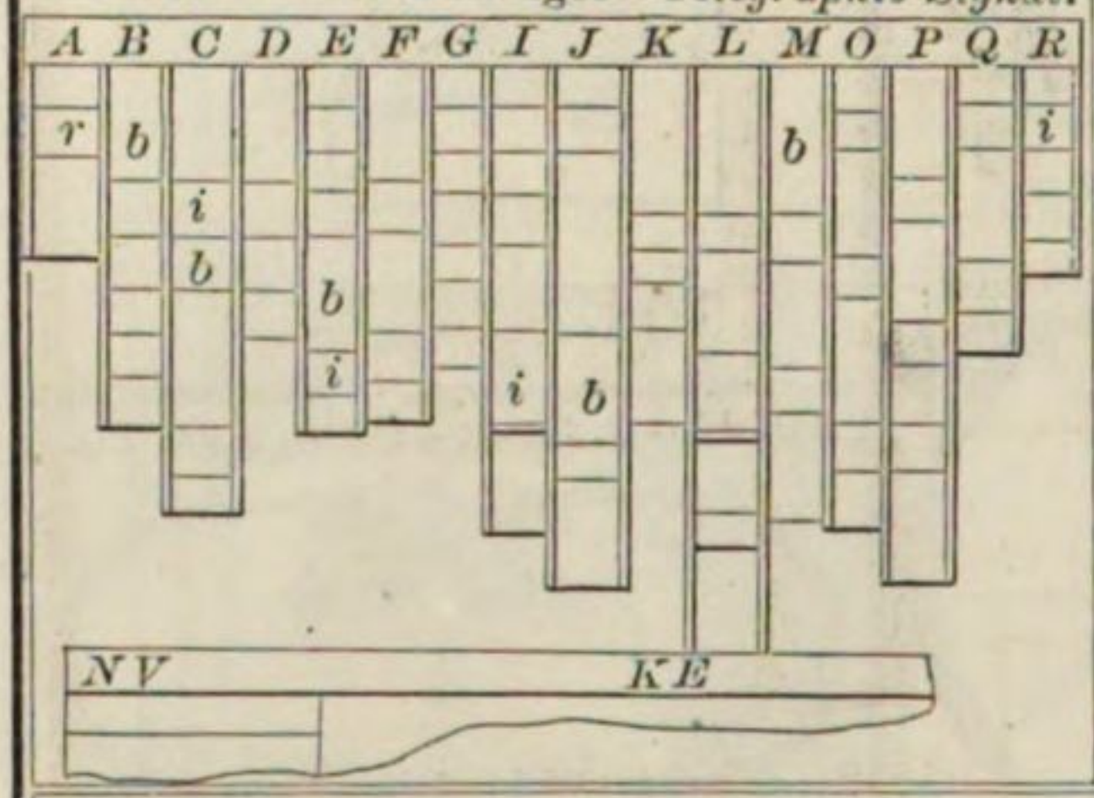


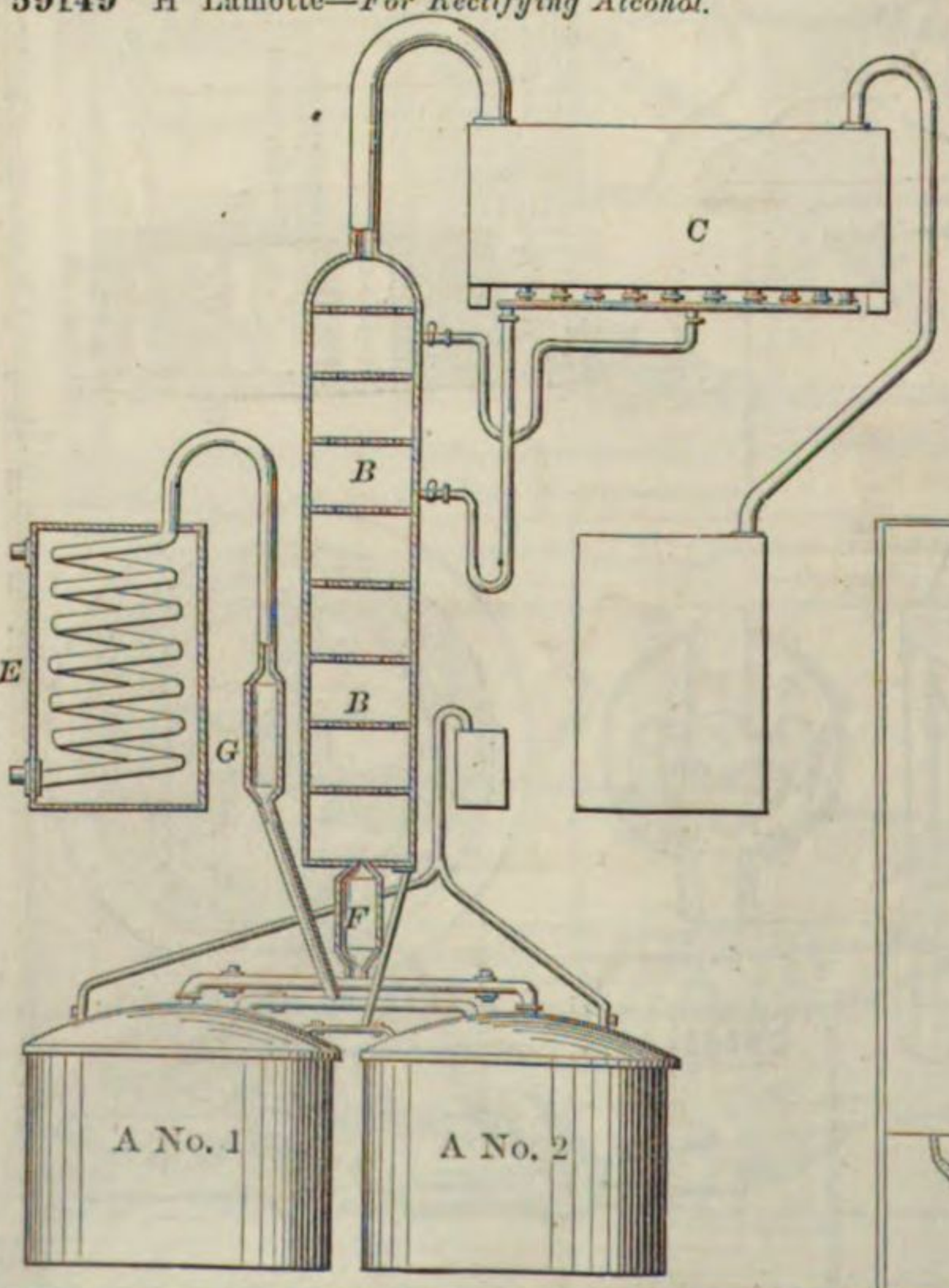
Fig. 8



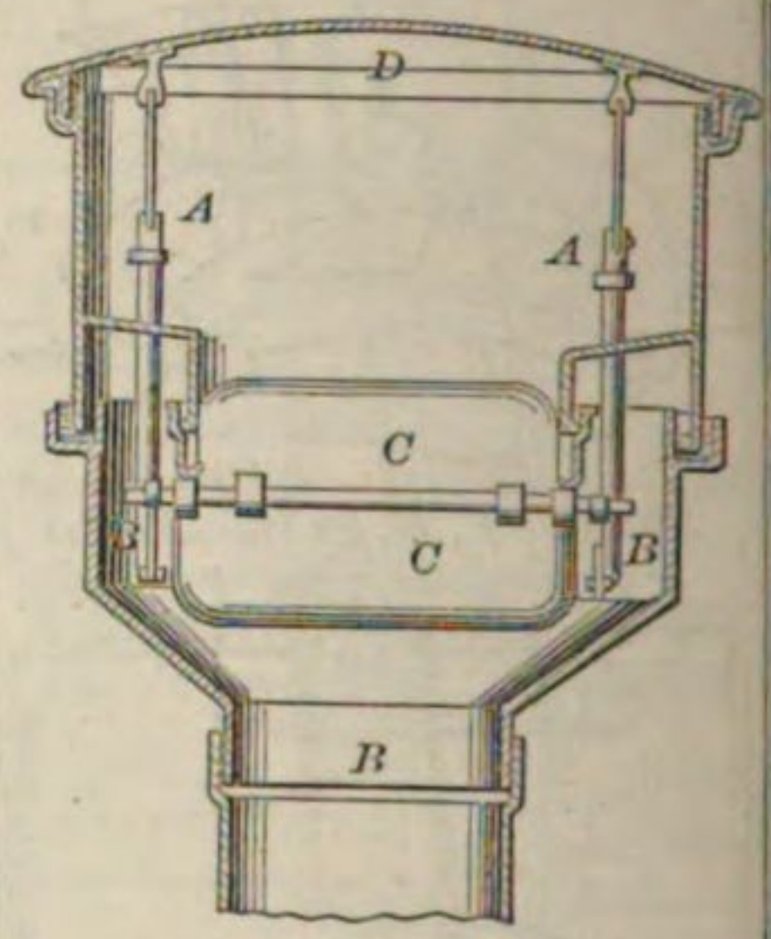
59148—Jones & Hedges—*Telegraphic Signal.*



59149 H Lamotte—*For Rectifying Alcohol.*



59150—E. Mangeon—*Privy Seat.*



59152—J. J. McComb—*Cotton Bale Tie.*

Fig. 1

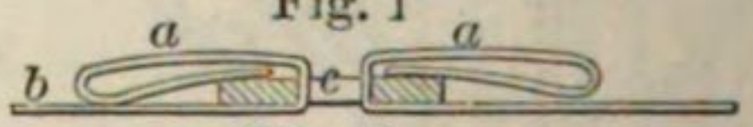
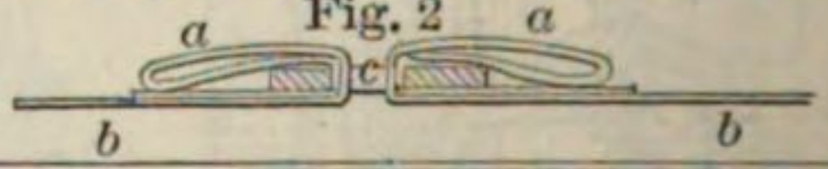
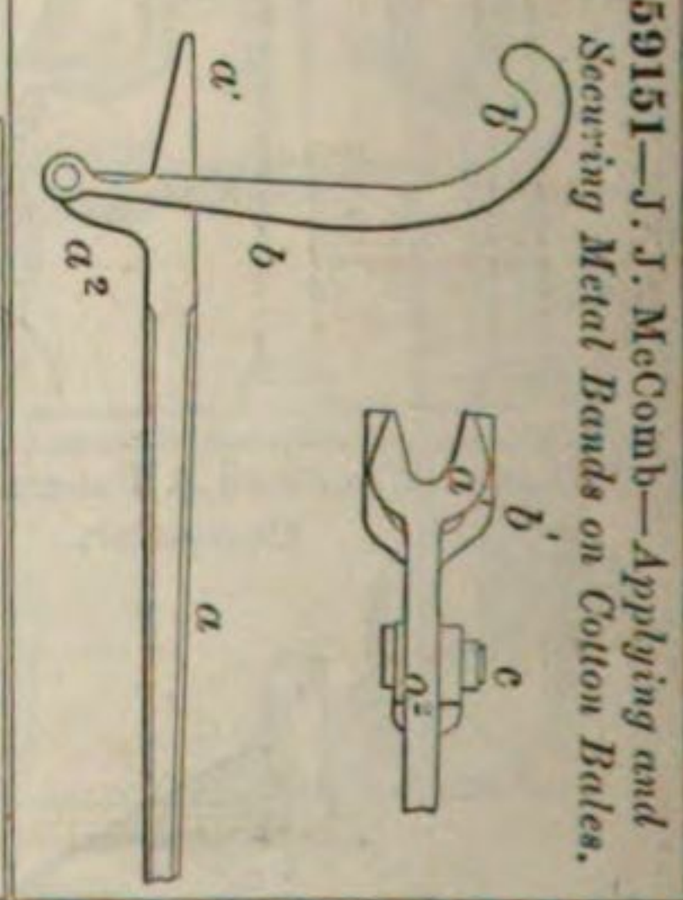


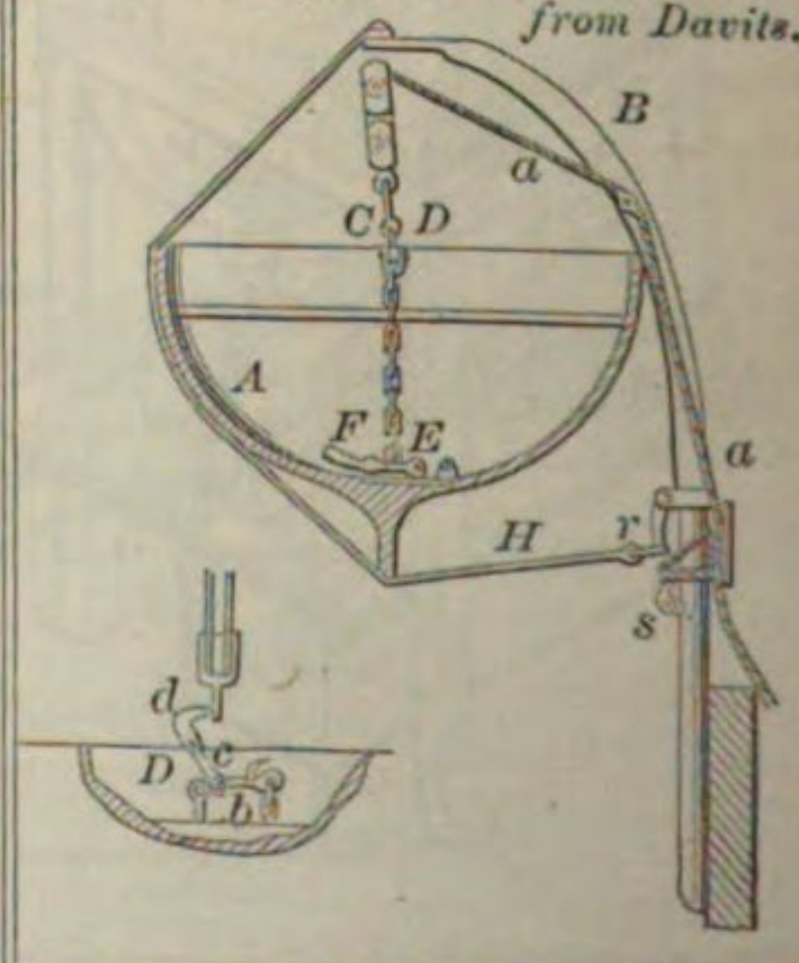
Fig. 2



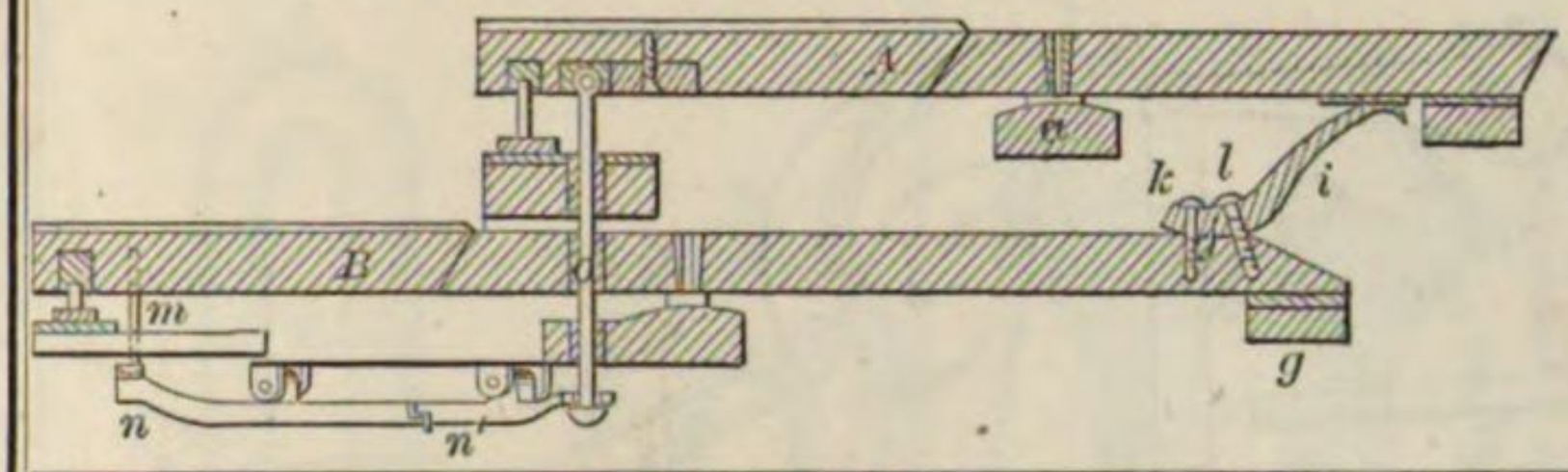
59151—J. J. McComb—*Applying and Securing Metal Bands on Cotton Bales.*



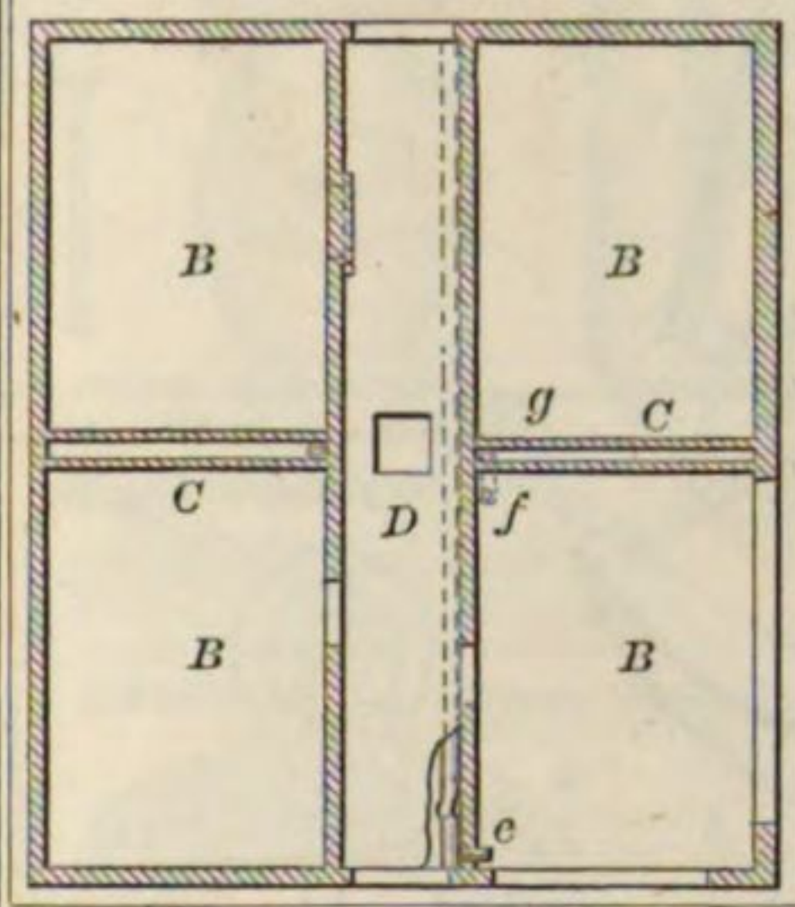
59153—C. H. Ramsten—*For Lowering and Detaching Boats from Davits.*



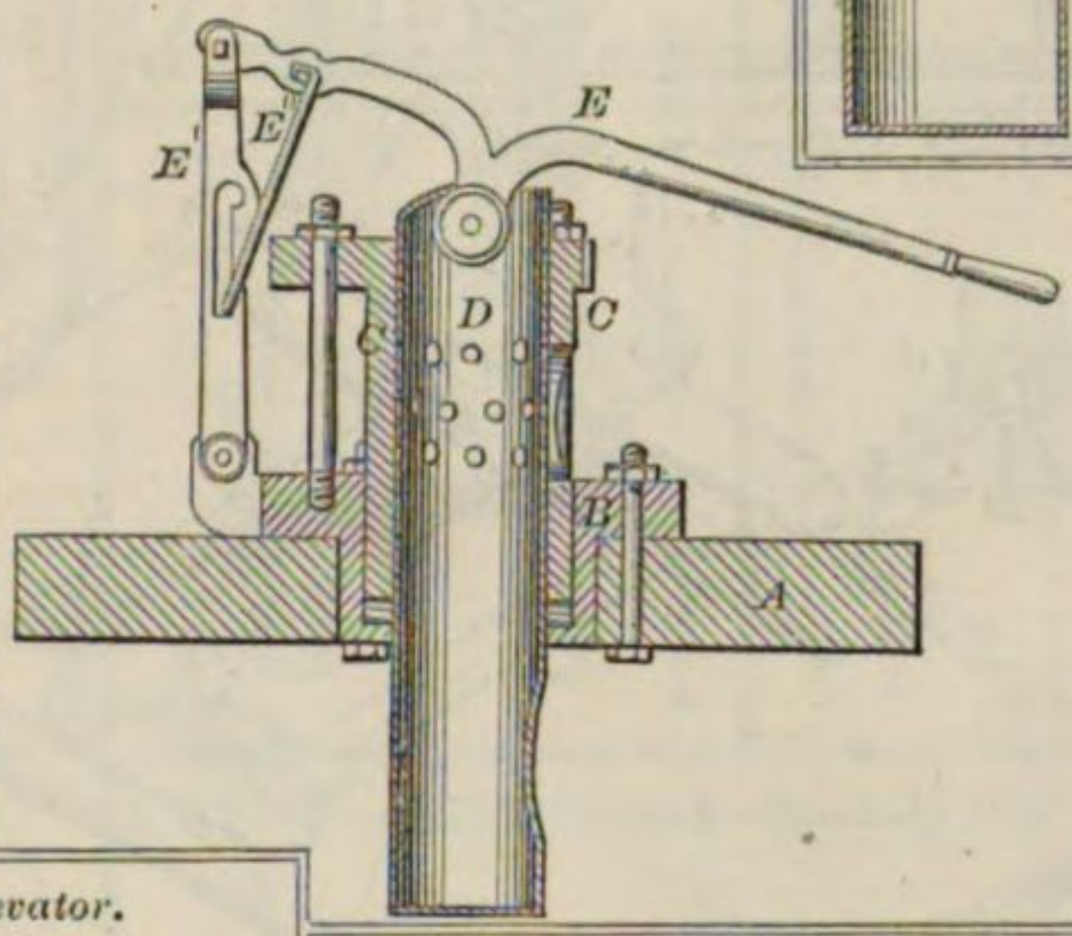
59155—C. L. & A. B. Irving—*Piano Forte Action.*



59156—C. Alden—*For Extinguishing Fires.*

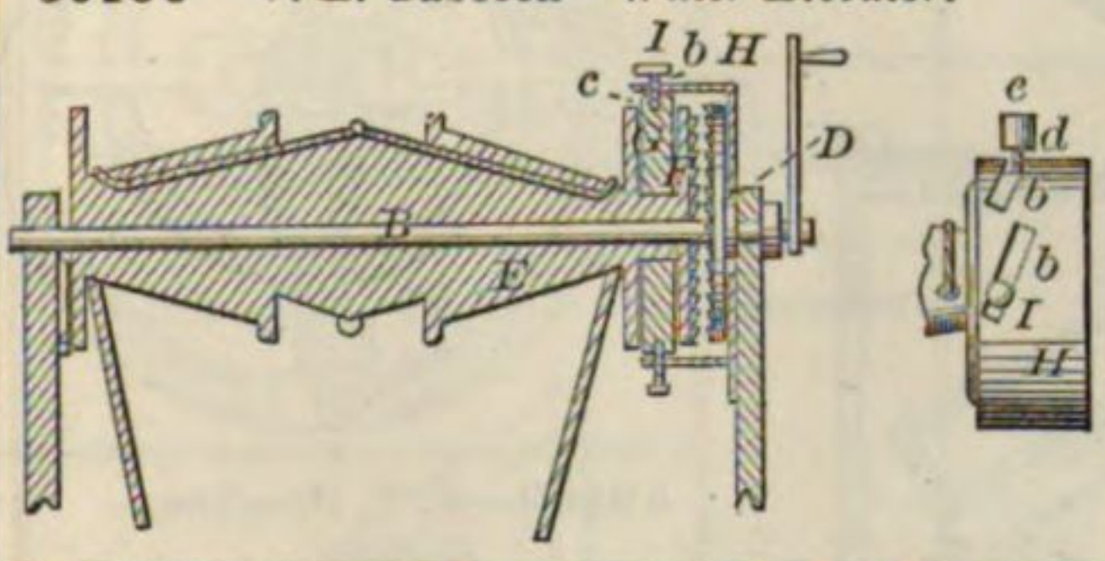


59161—M. F. Bagley—*For Discharging Bilge Water from the Holds of Vessels.*

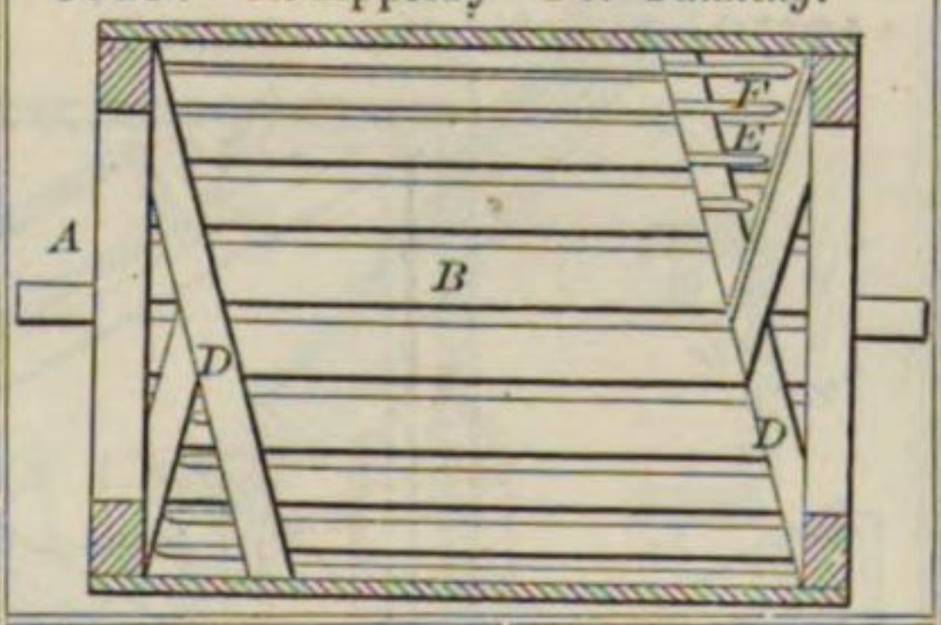


59158—F. Ashley—*Clothes Sprinkler.*

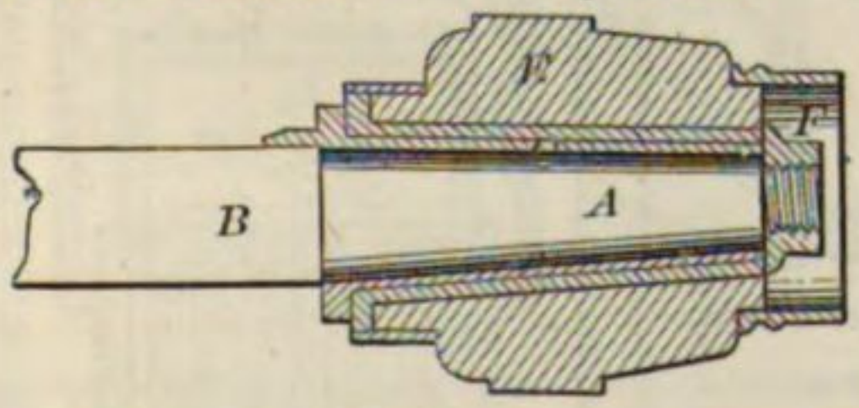
59160—W. E. Babcock—*Water Elevator.*



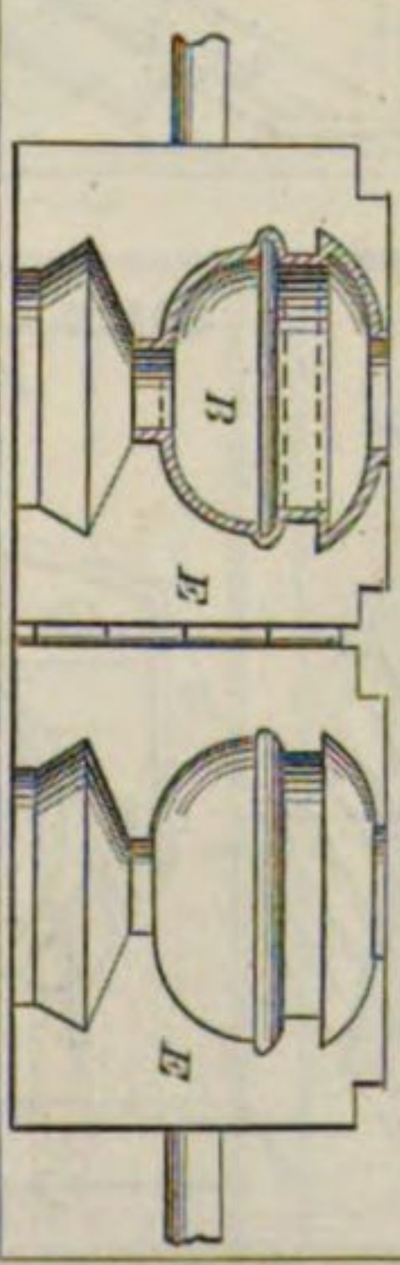
59157—A. Appleby—*For Tanning.*



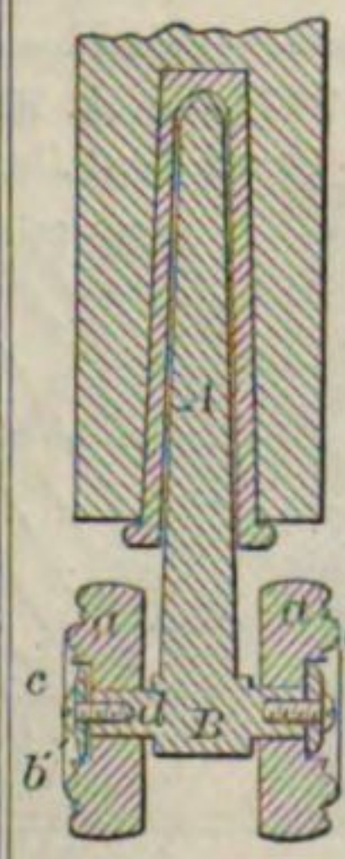
59162—S. Barker—*Carriage Axle.*



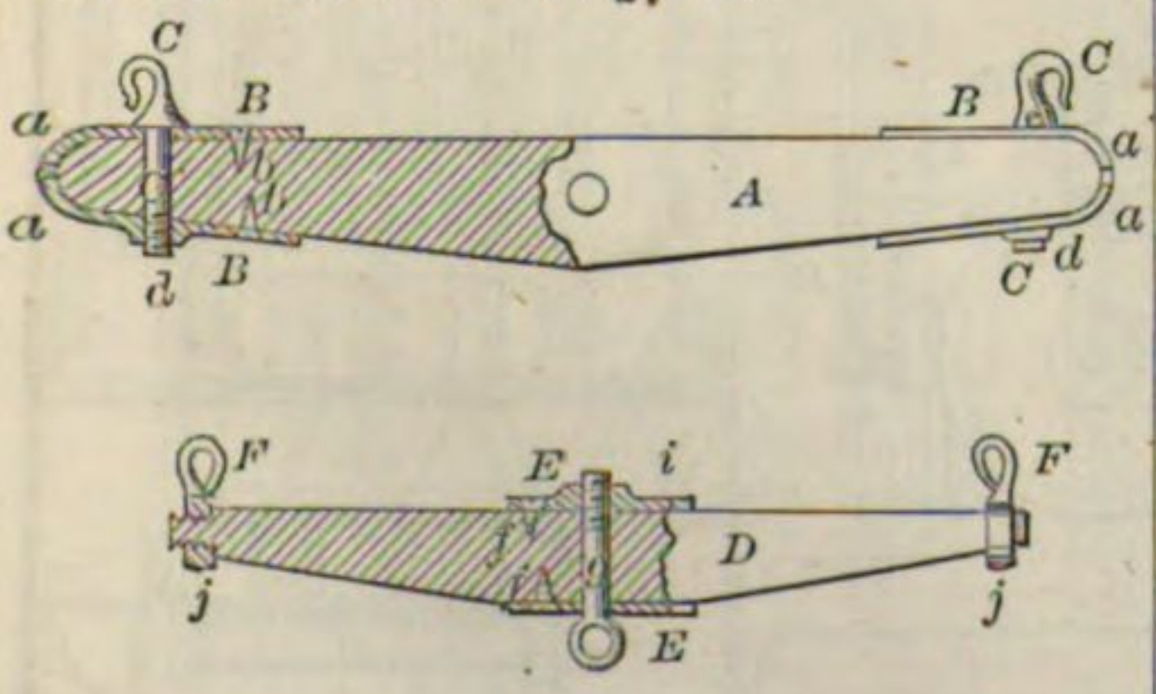
59159—J. S. & T. B. Atterbury—*For Making Ring Jars.*



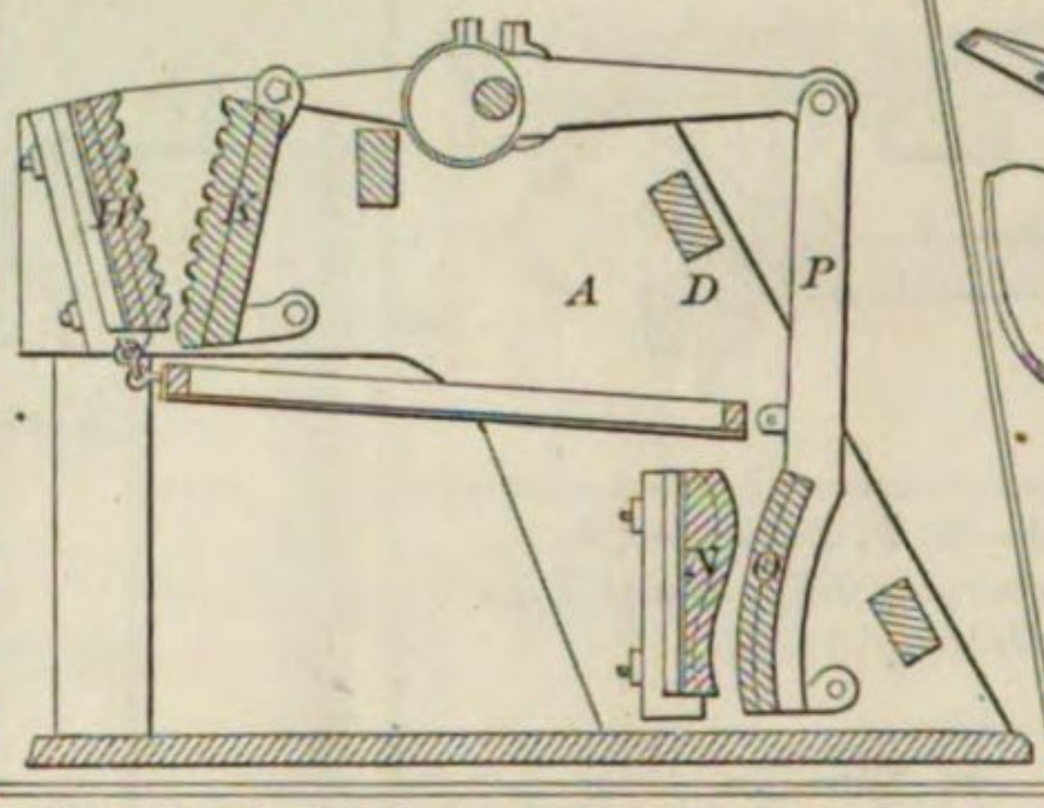
59163—J. T. Barnes—*Furniture Caster.*



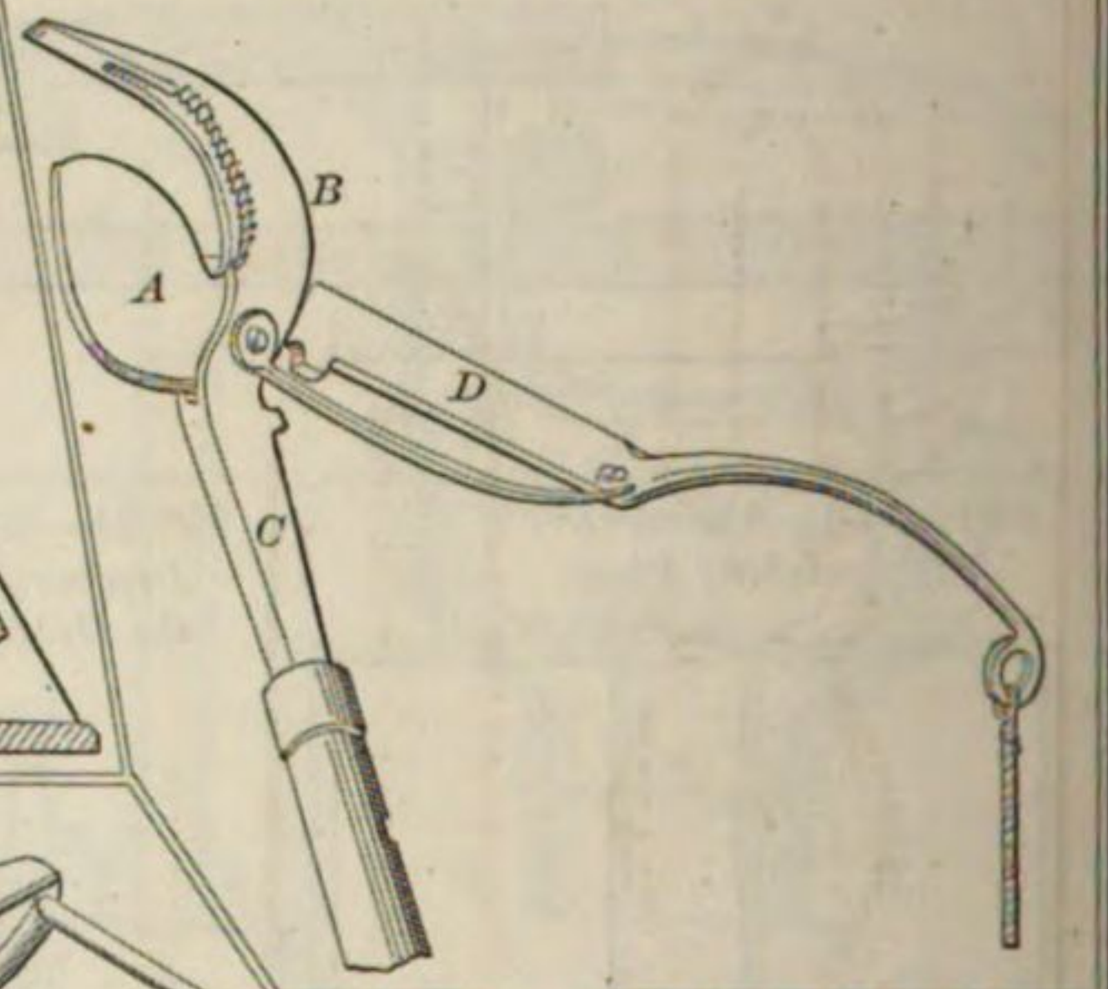
59164—L. Barnes—*Whiffletree.*



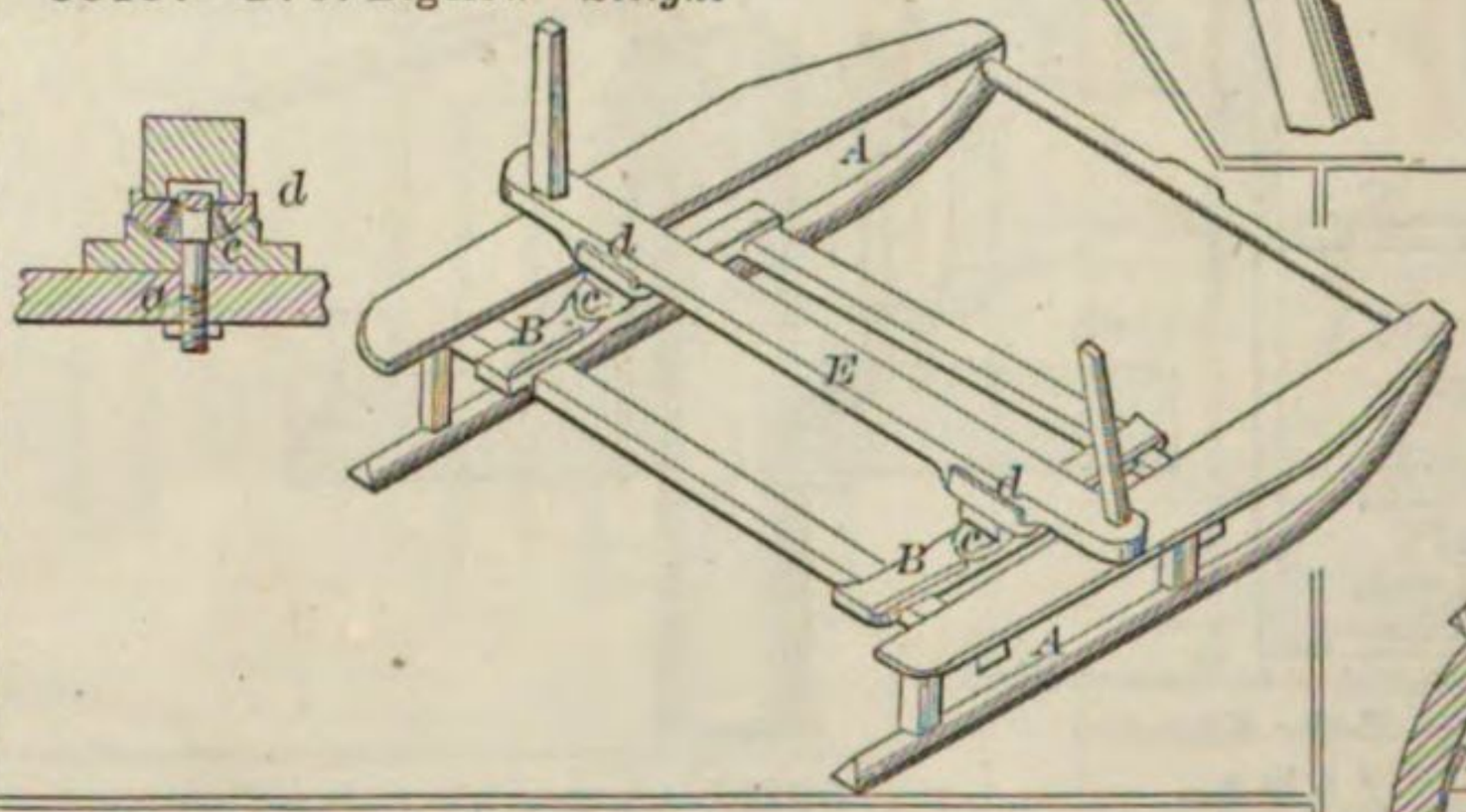
59165—M. L. Battell—*Quartz Crusher.*



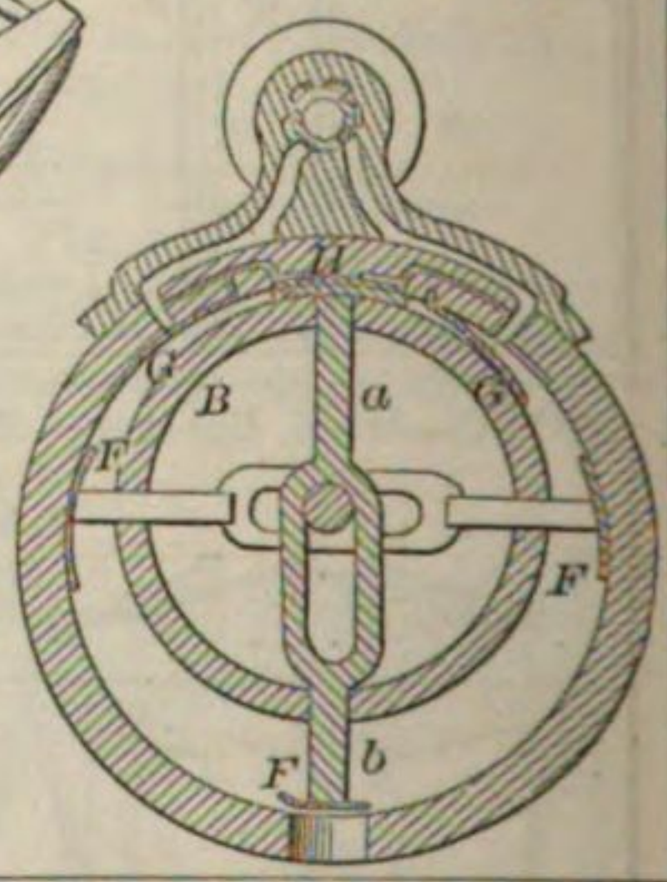
59168—F. Binder—*Pruning Shears.*



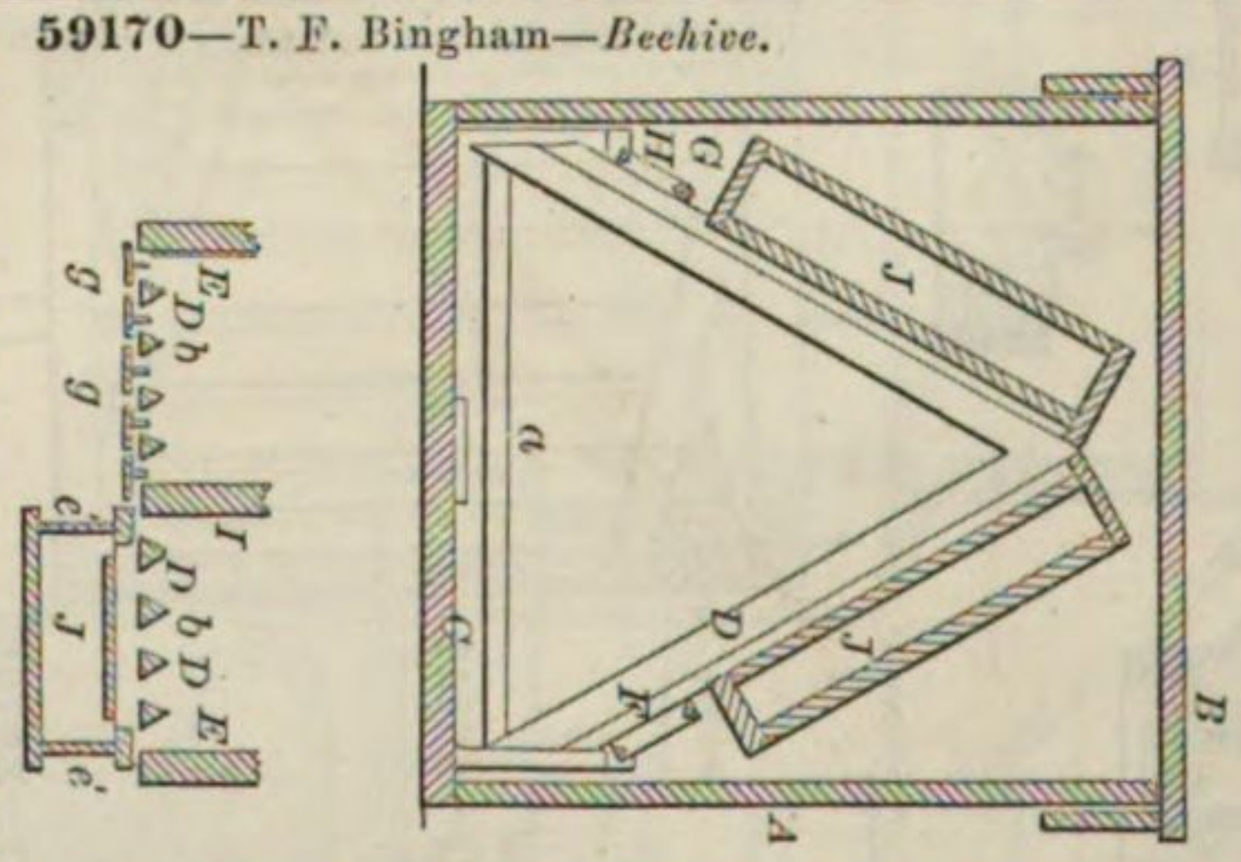
59167—D. J. Bigelow—*Sleigh.*



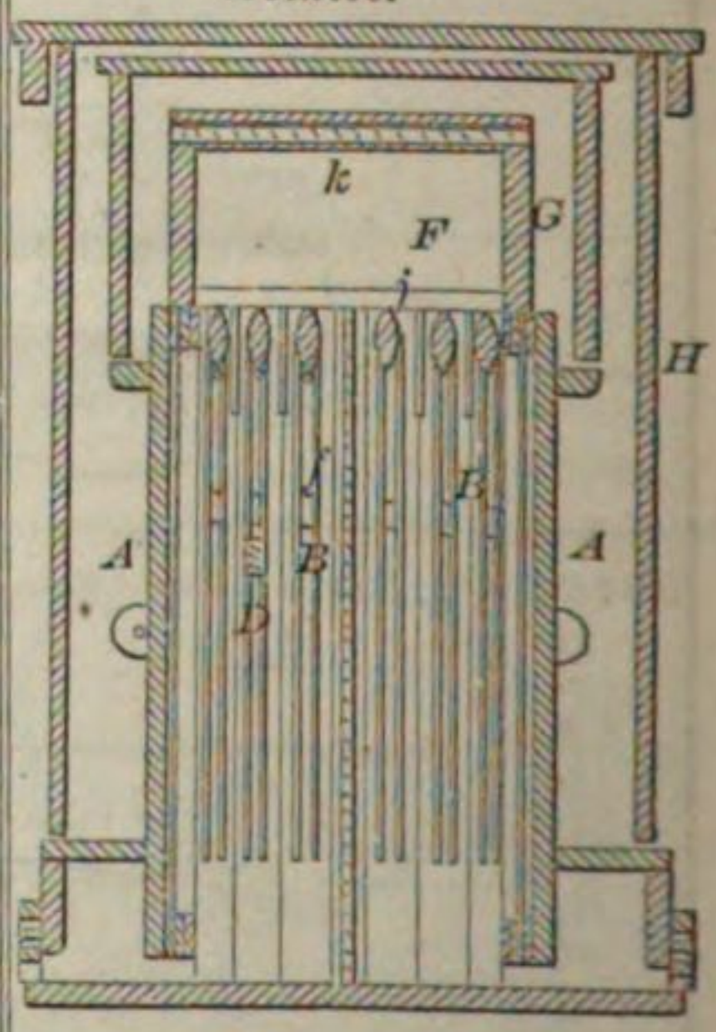
59166—J. B. Bennett—*Rotary Steam Engine.*



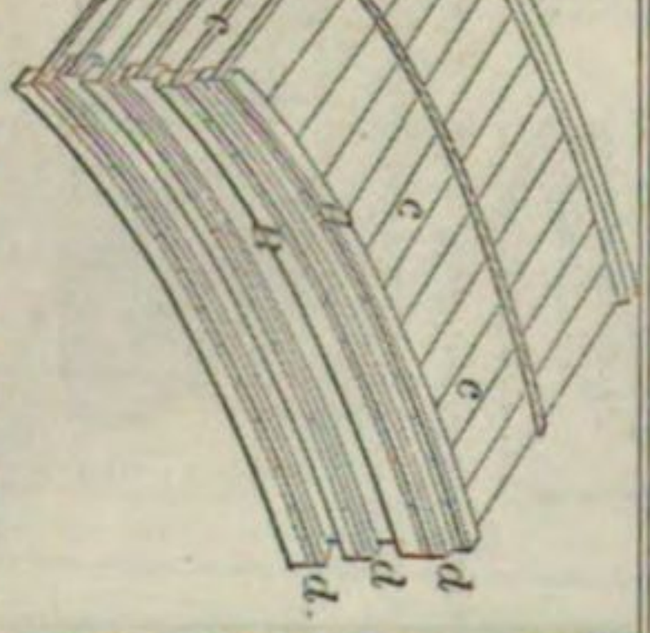
59170—T. F. Bingham—*Beehive.*



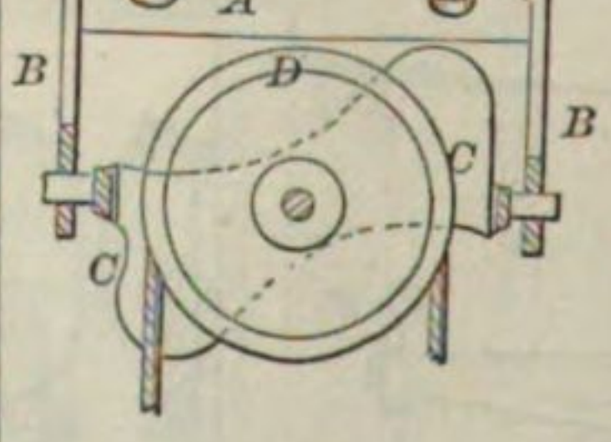
59169—T. F. Bingham—*Beehive.*

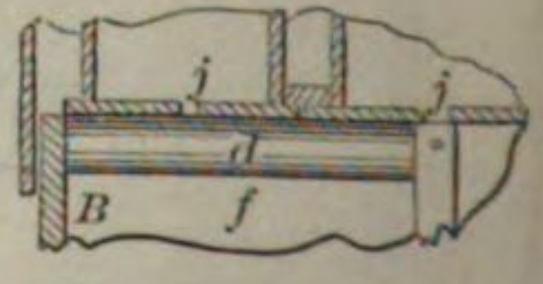


59171—A. A. Bissell—*Canal Boat Deck.*

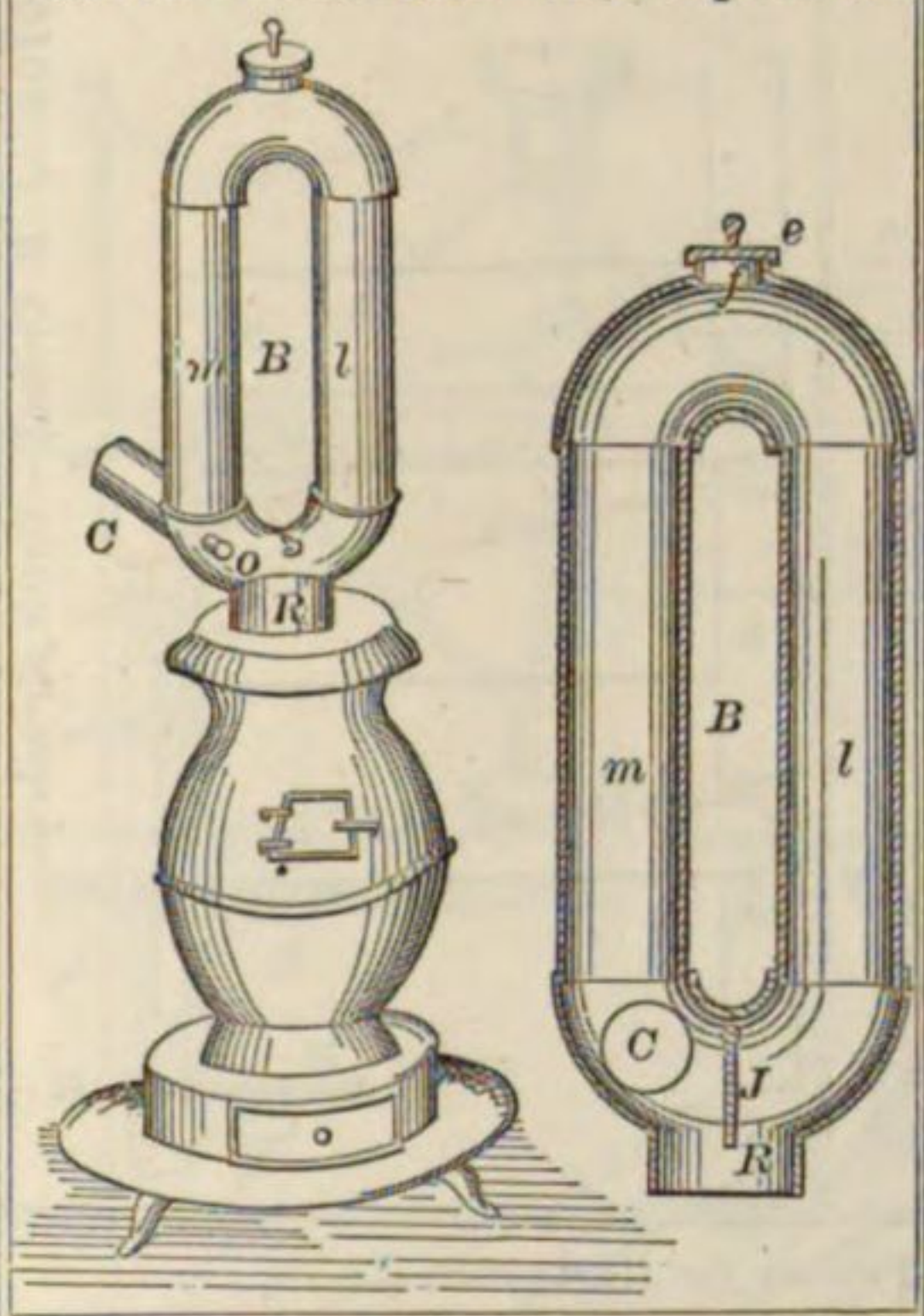


59172—A. S. Blake—*Pulley.*

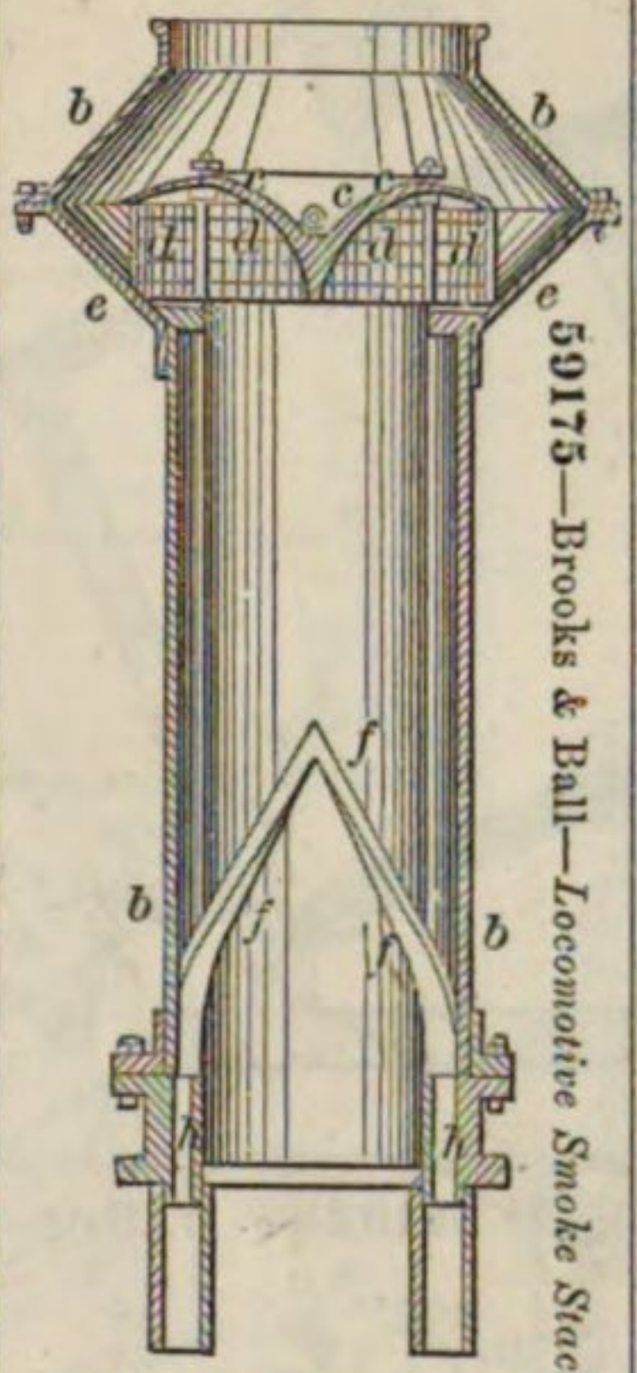




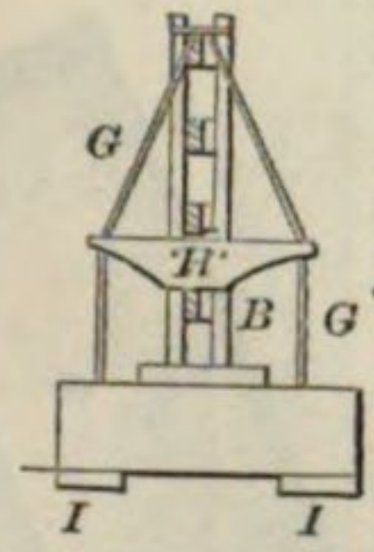
59173—E. S. Blake—*Stove Pipe Drum.*



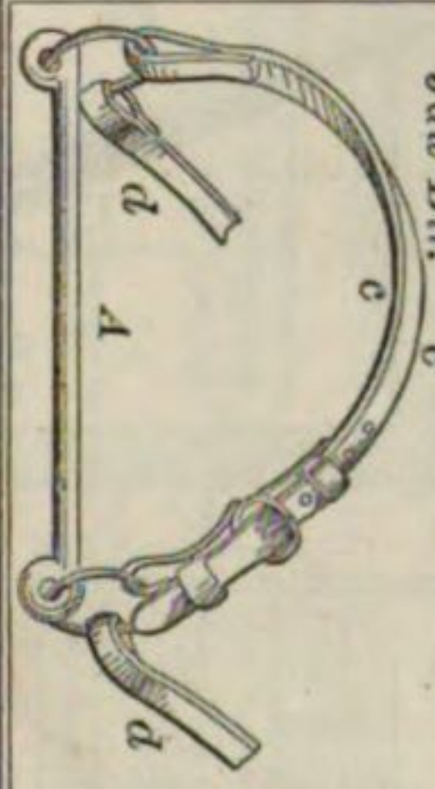
59175—Brooks & Ball—*Locomotive Smoke Stack.*



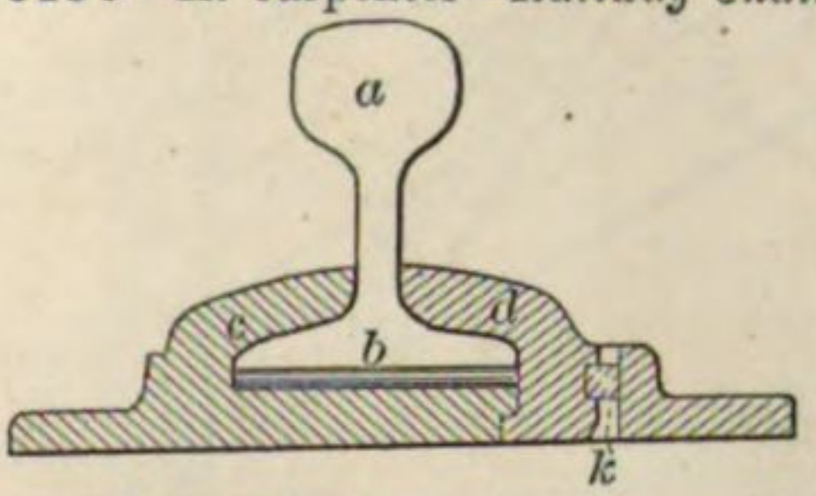
59176—J. Bundy—*Fence.*



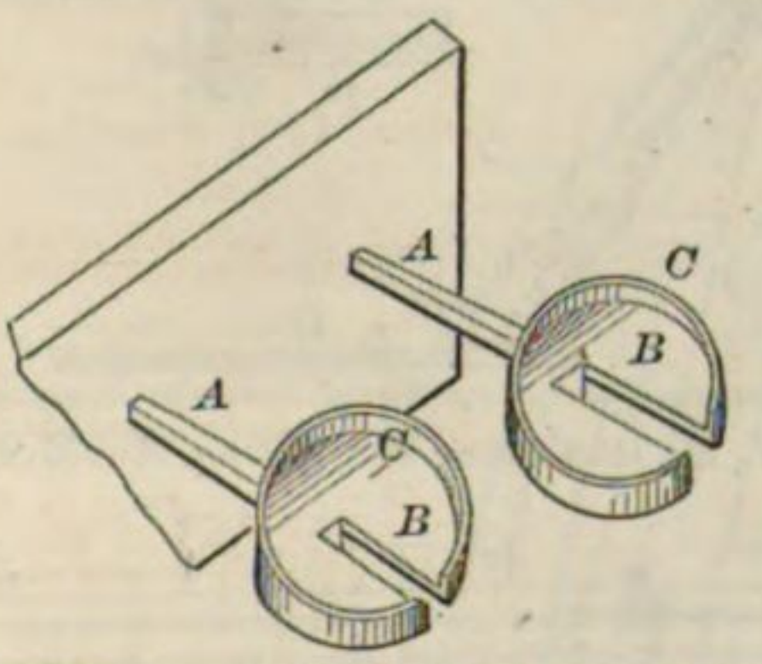
59178—F. B. Carleton—*Upper Jaw Bit.*



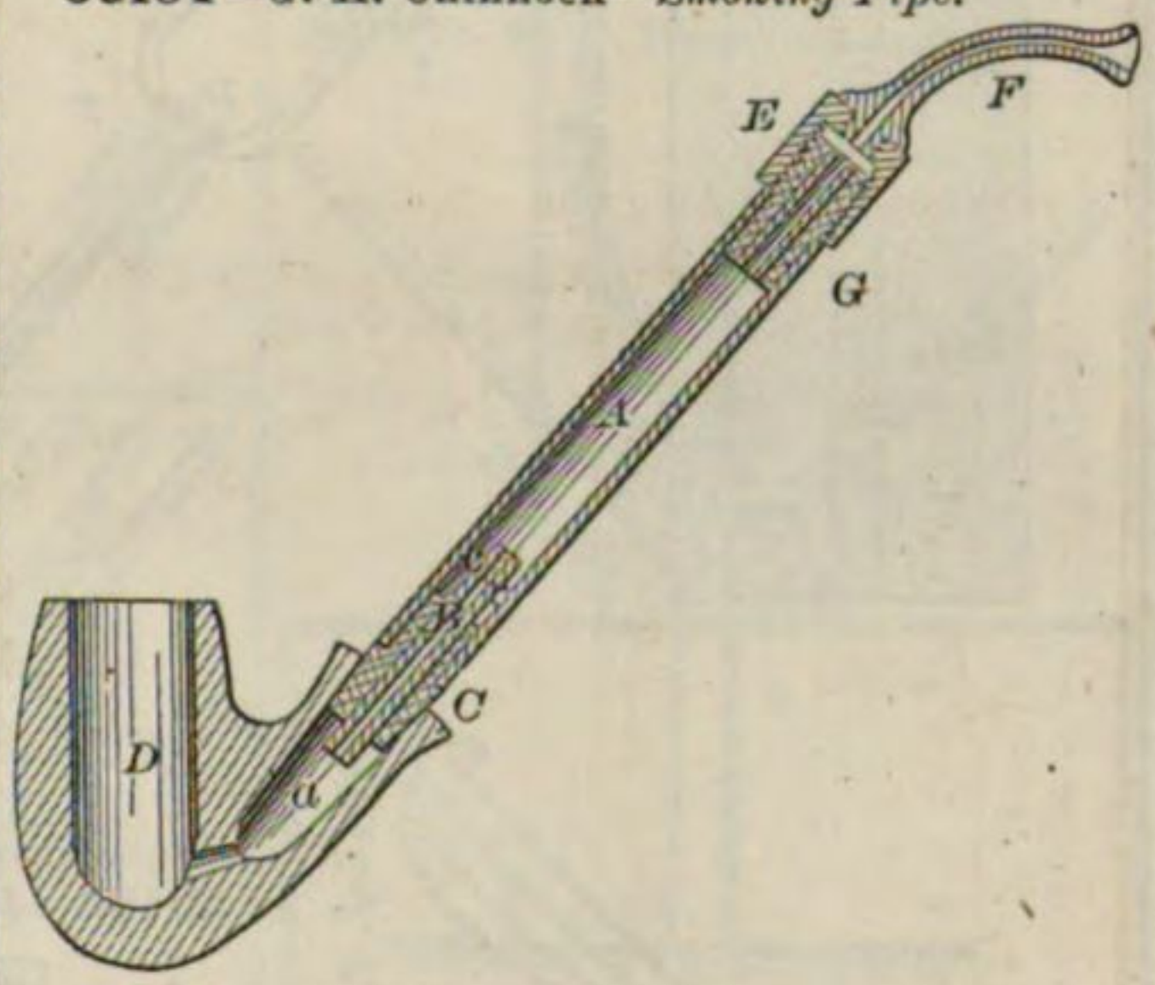
59180—H. Carpenter—*Railway Chair.*



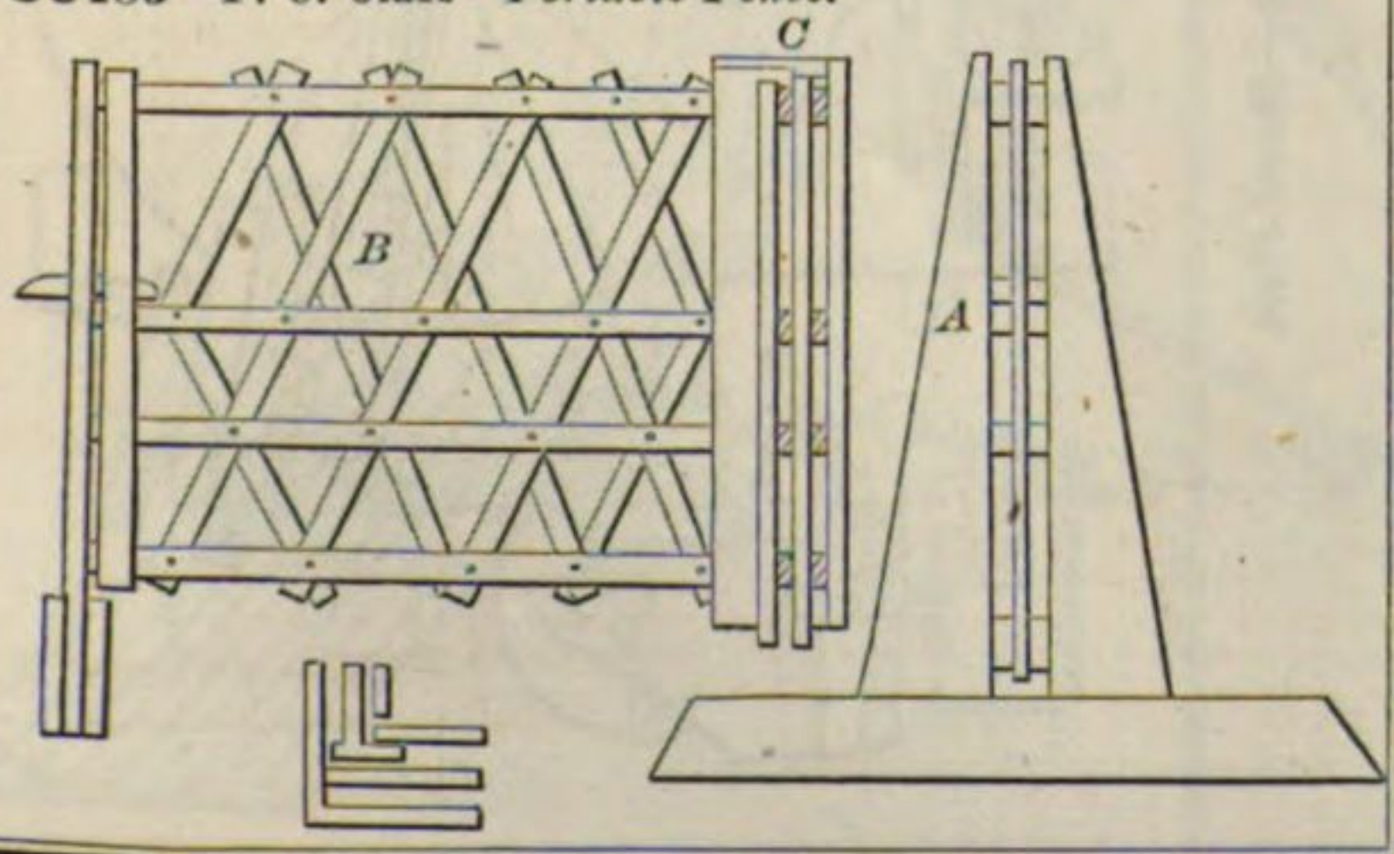
59181—A. L. Carrier—*Tool Supporter.*



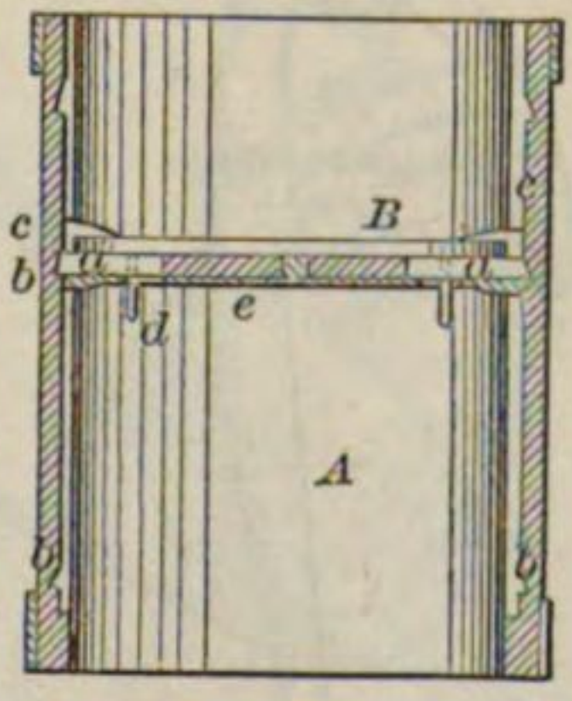
59184—G. H. Chinnock—*Smoking Pipe.*



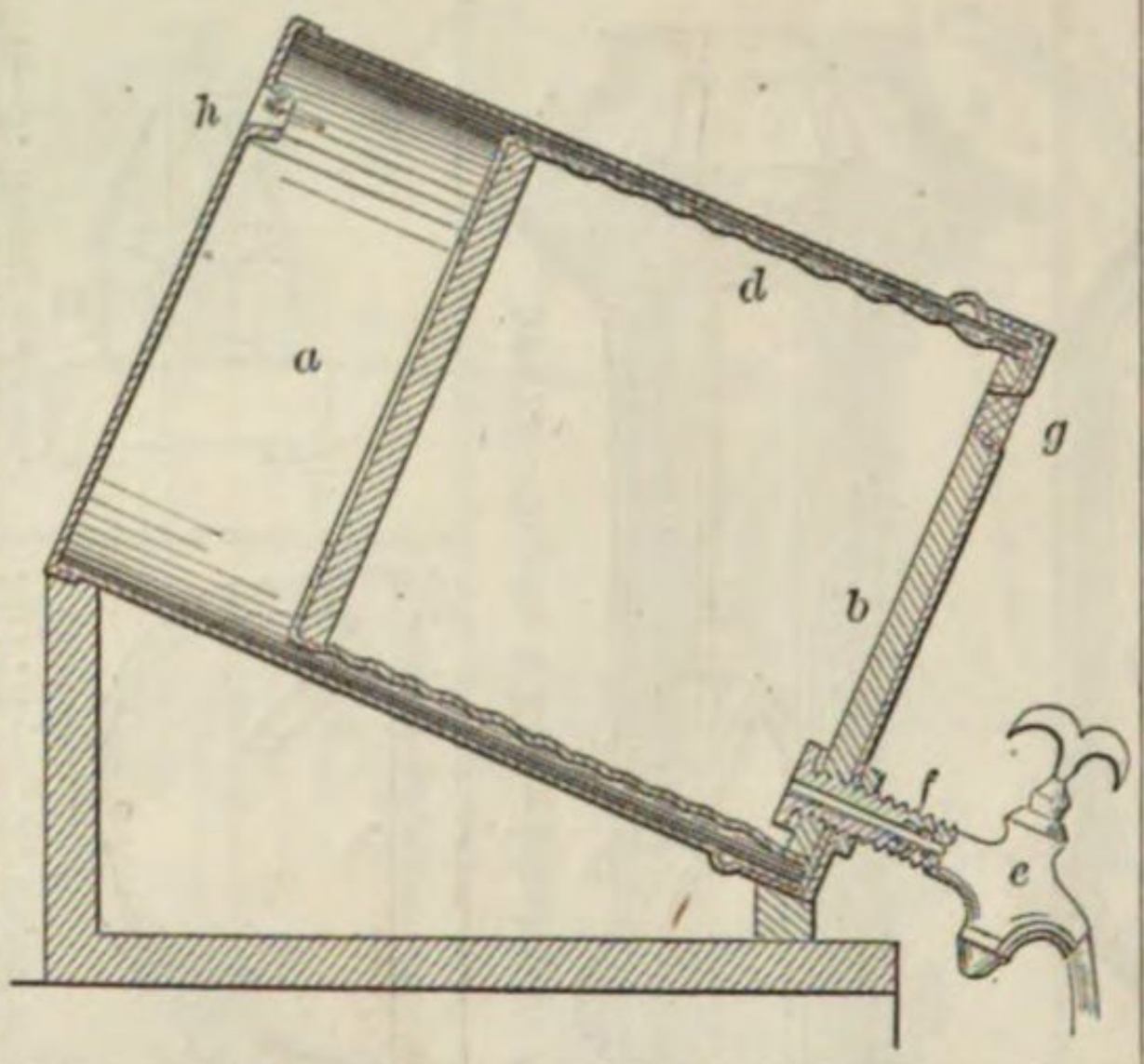
59185—F. C. Class—*Portable Fence.*



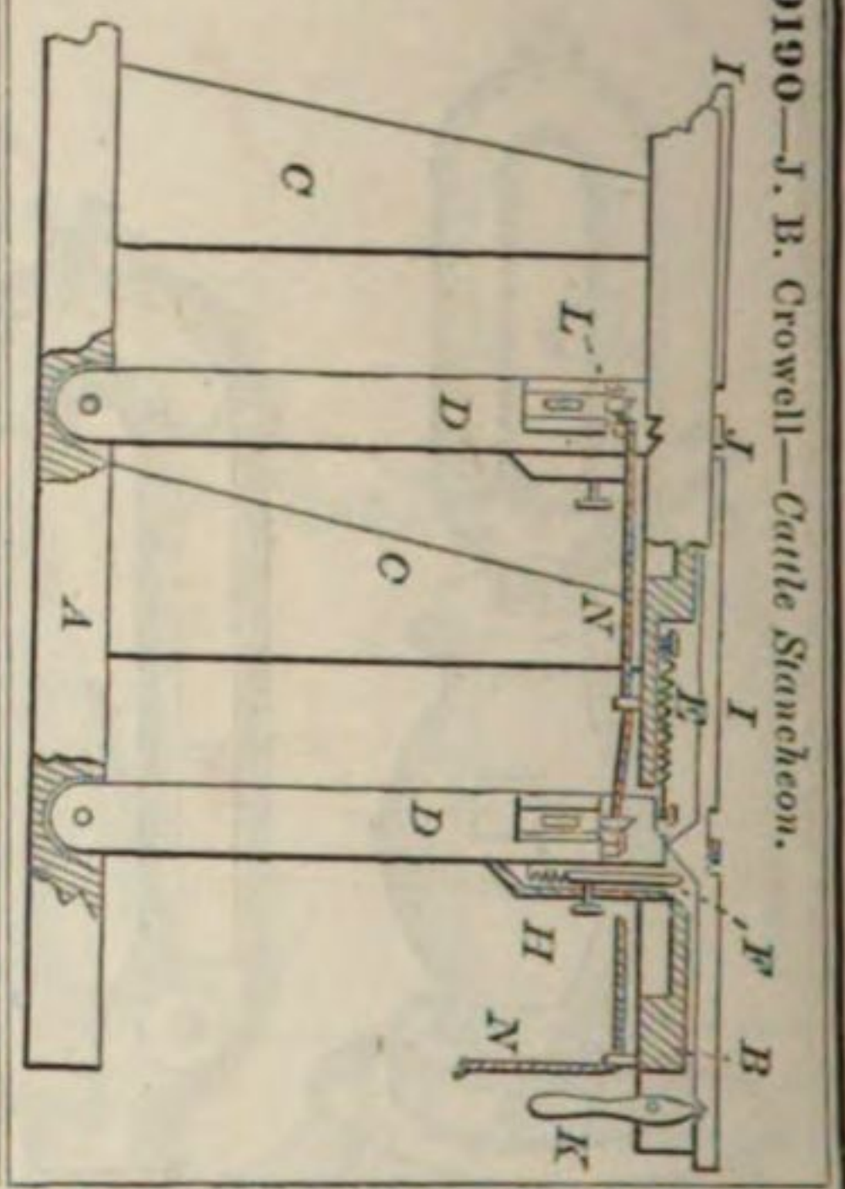
59186—L. Coates—*Variable Measure.*



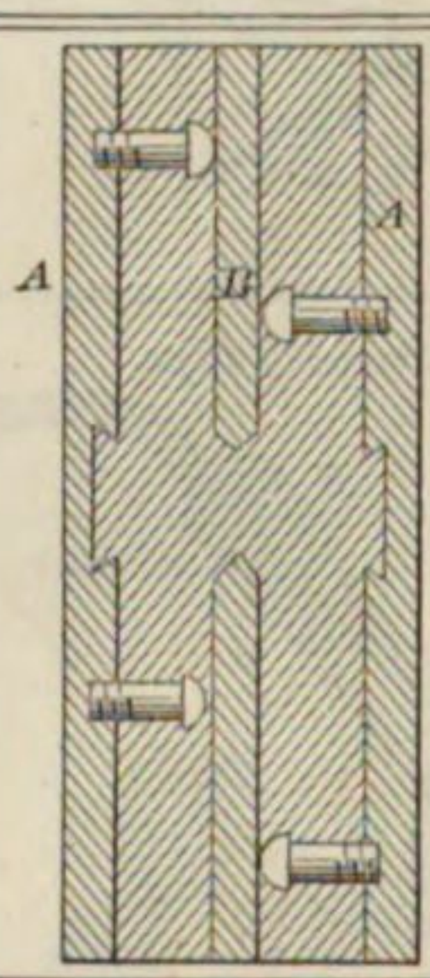
59188—W. Compton—*Vessel for Beer, &c.*



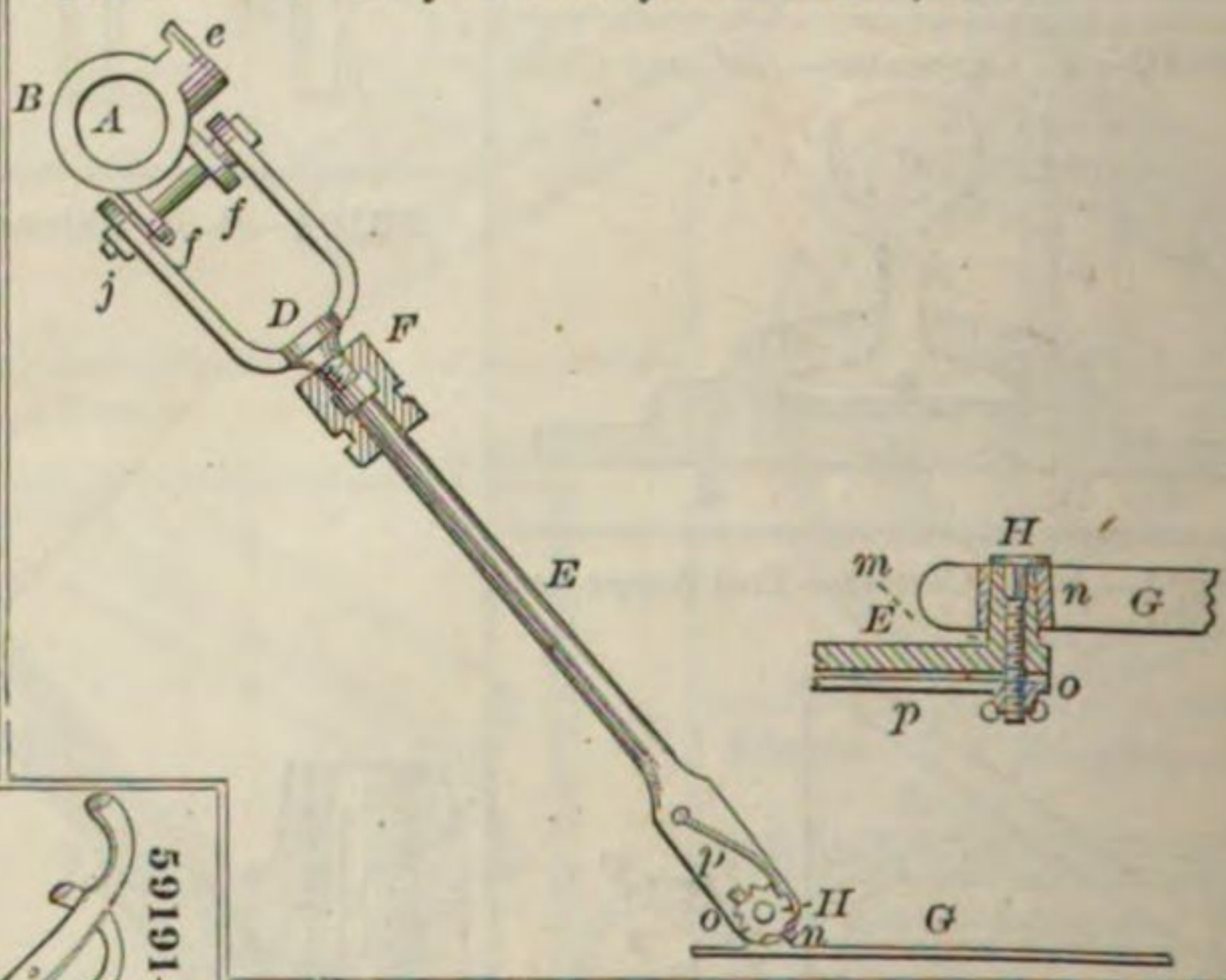
59190—J. B. Crowell—*Cattle Stanchion.*



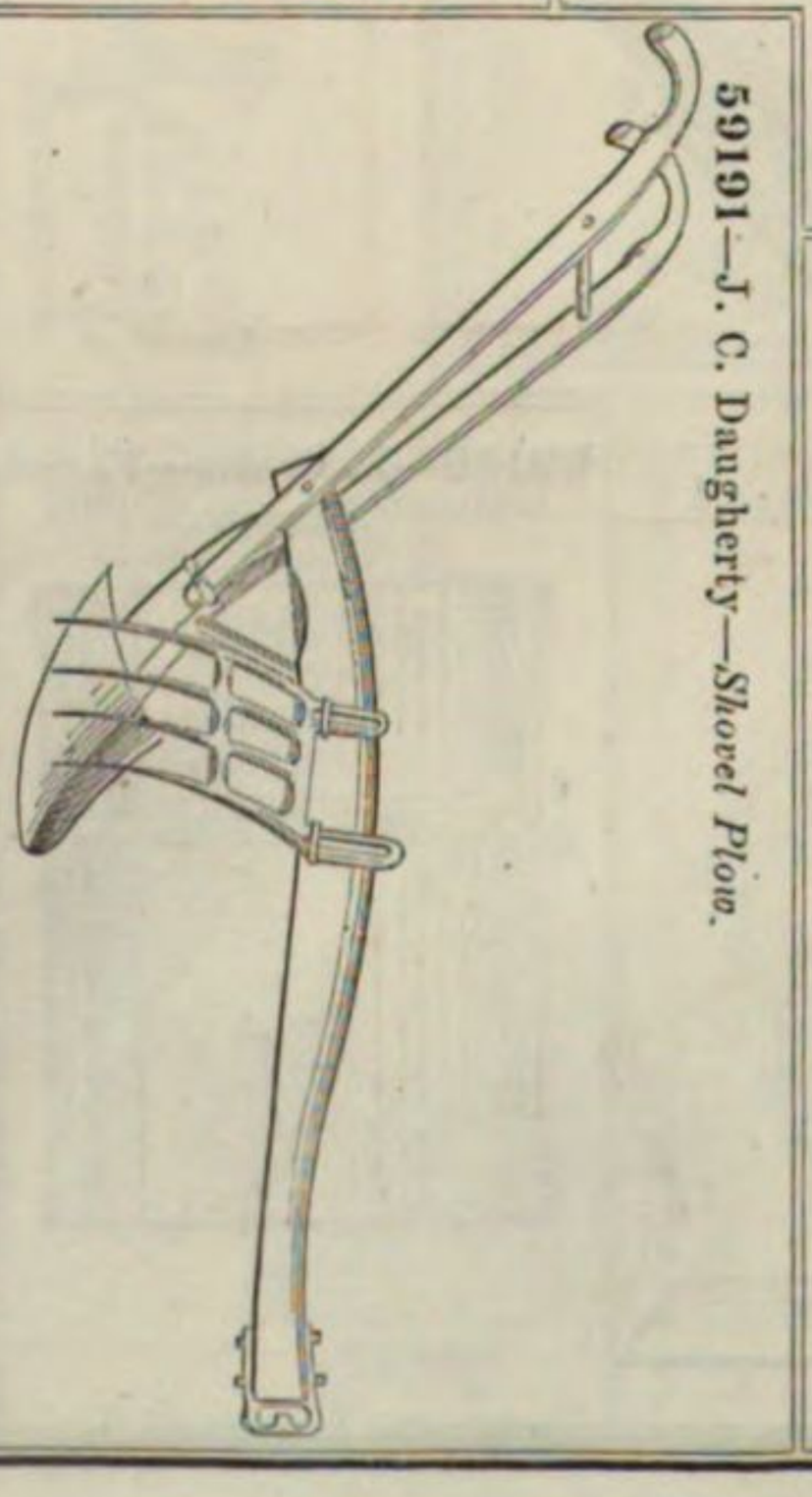
59189—J. B. Cornell—*Safe.*



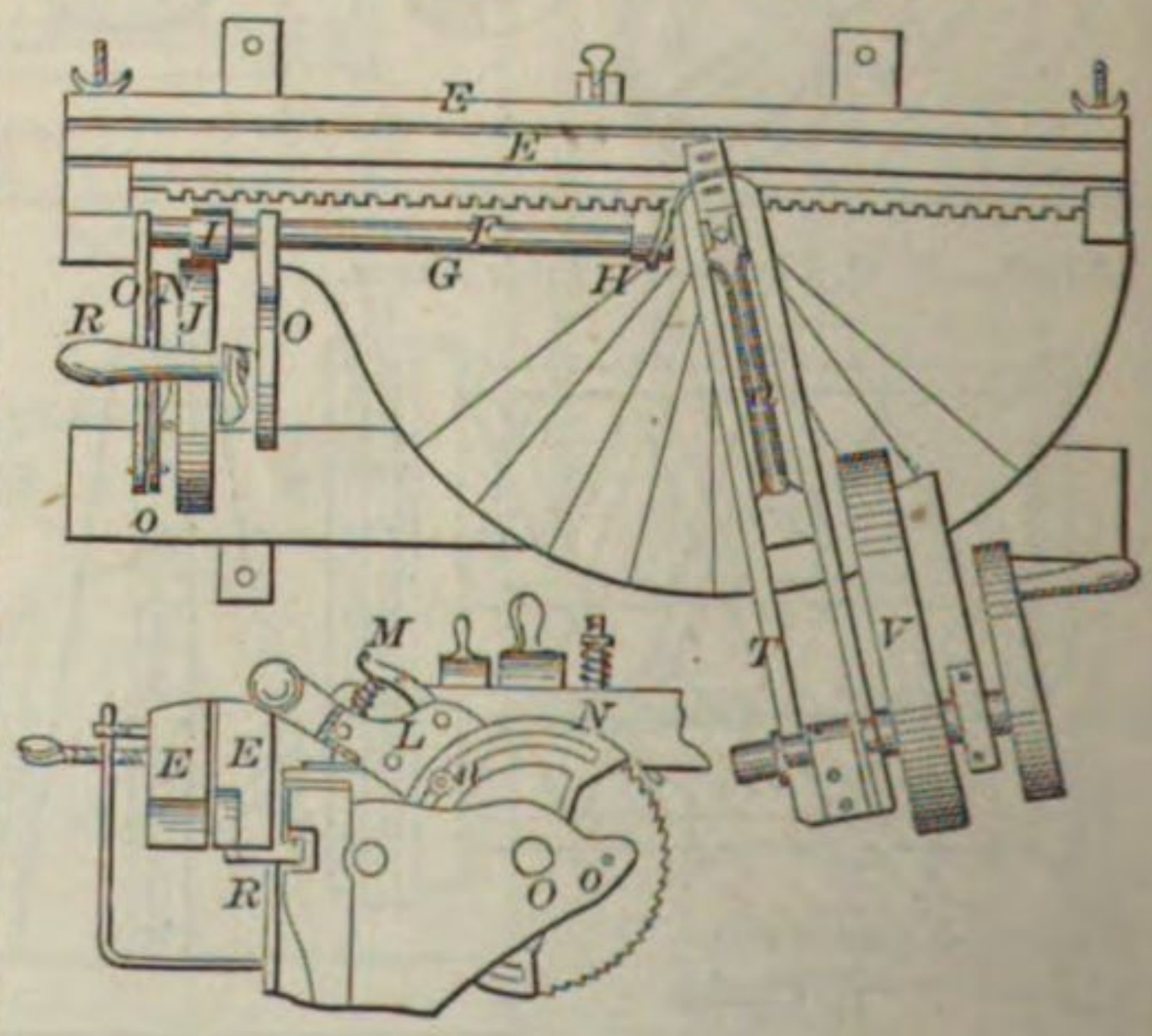
59192—J. W. Doty—*Pitman for Harvesters, &c.*



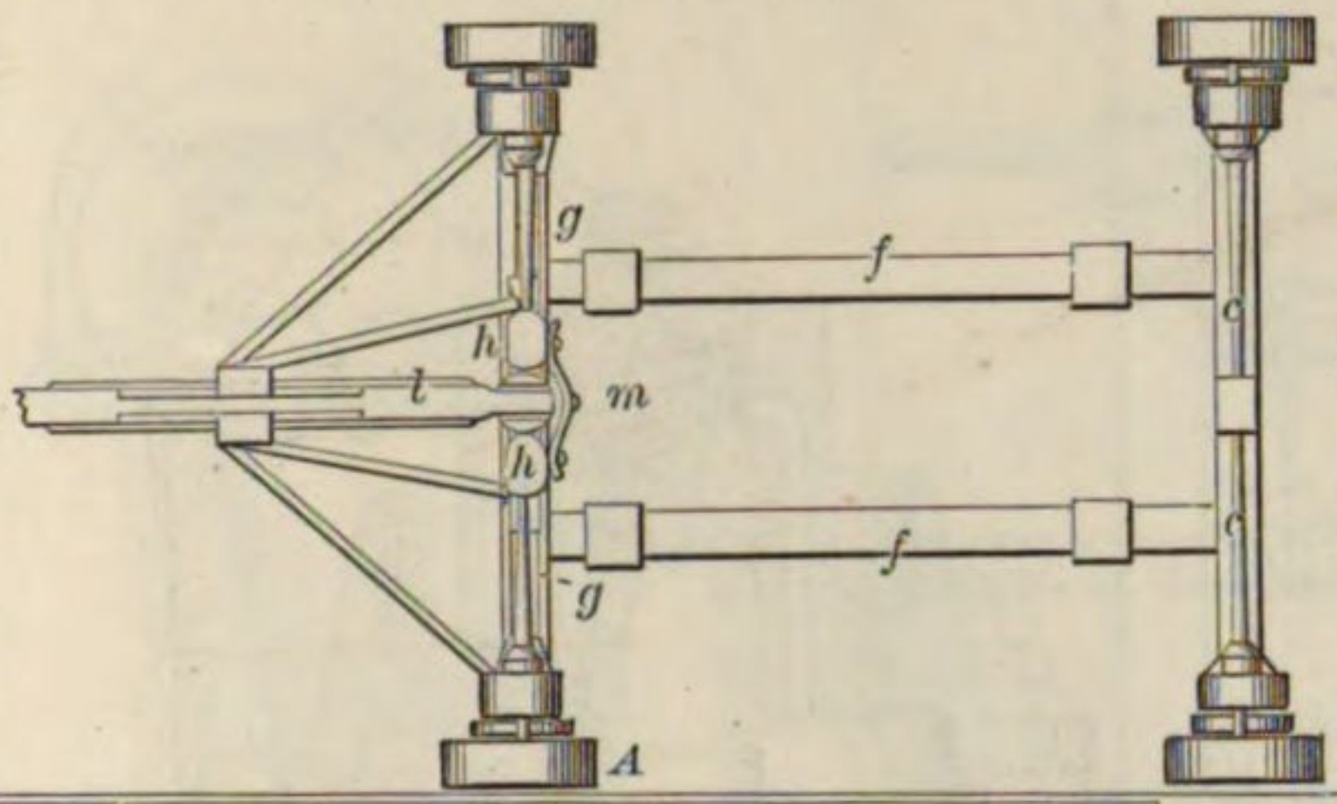
59191—J. C. Daugherty—*Shovel Plow.*



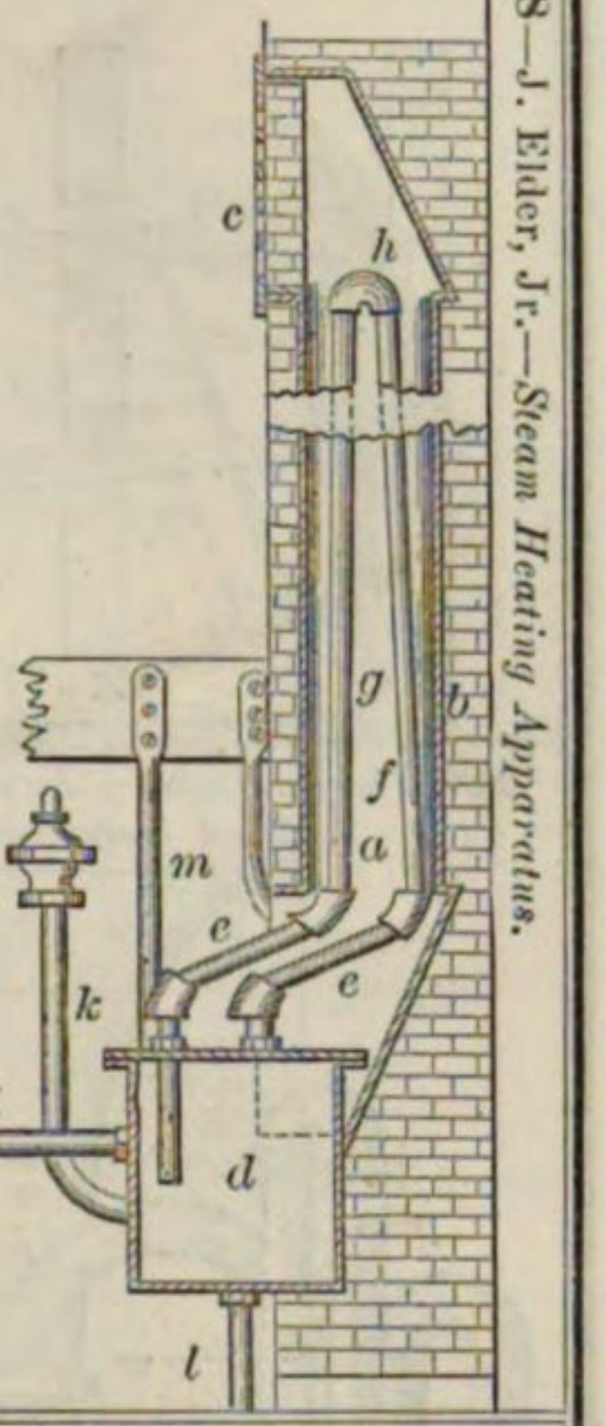
59193—J. W. H. Doubler—*Saw Filing Machine.*



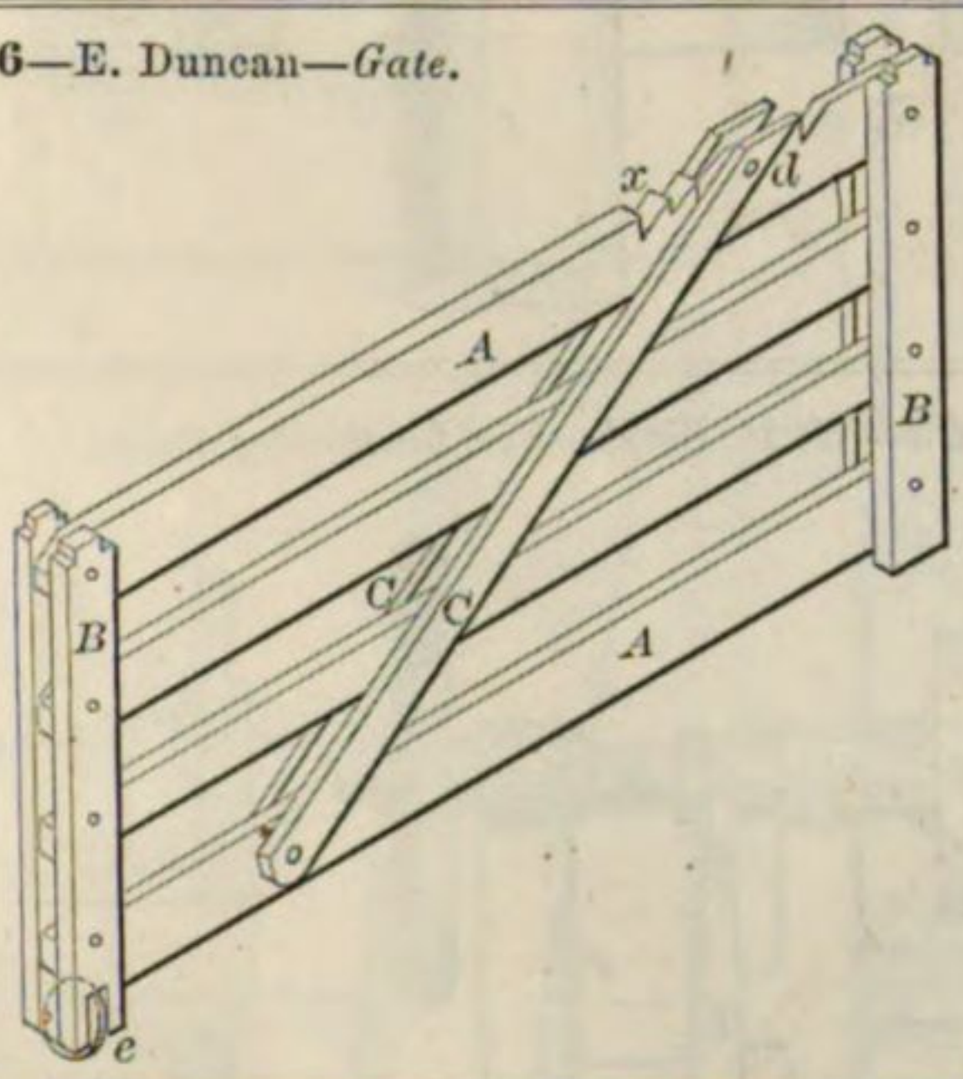
59194—J. W. Drew—*Wheel Vehicle.*



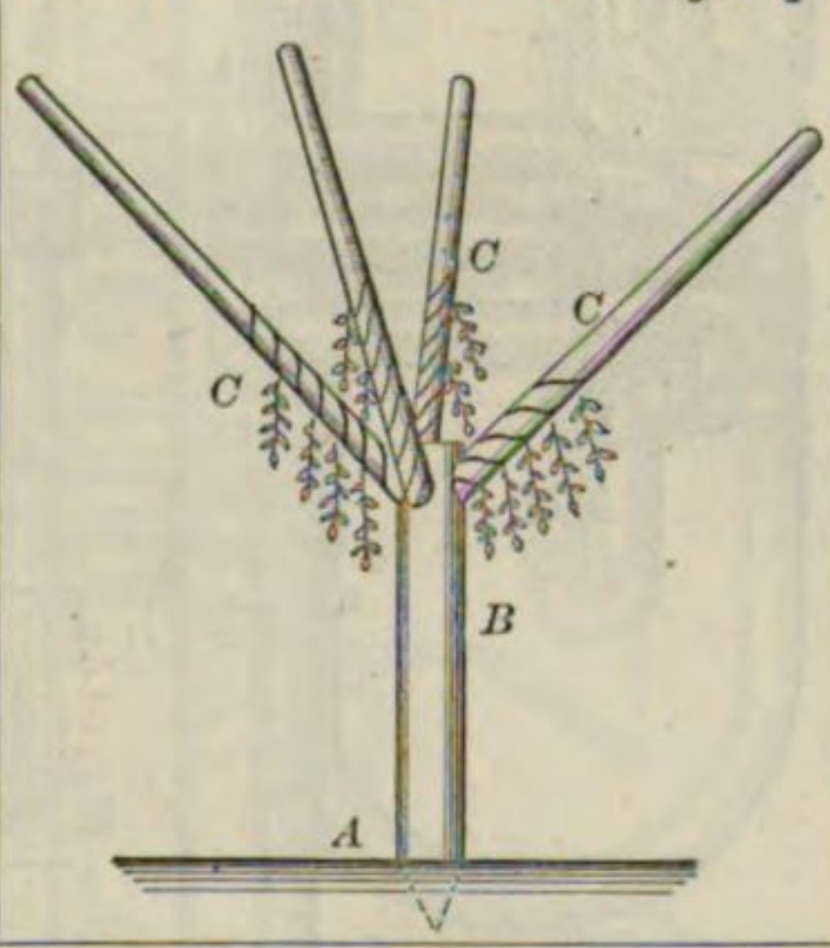
59198—J. Elder, Jr.—*Steam Heating Apparatus.*



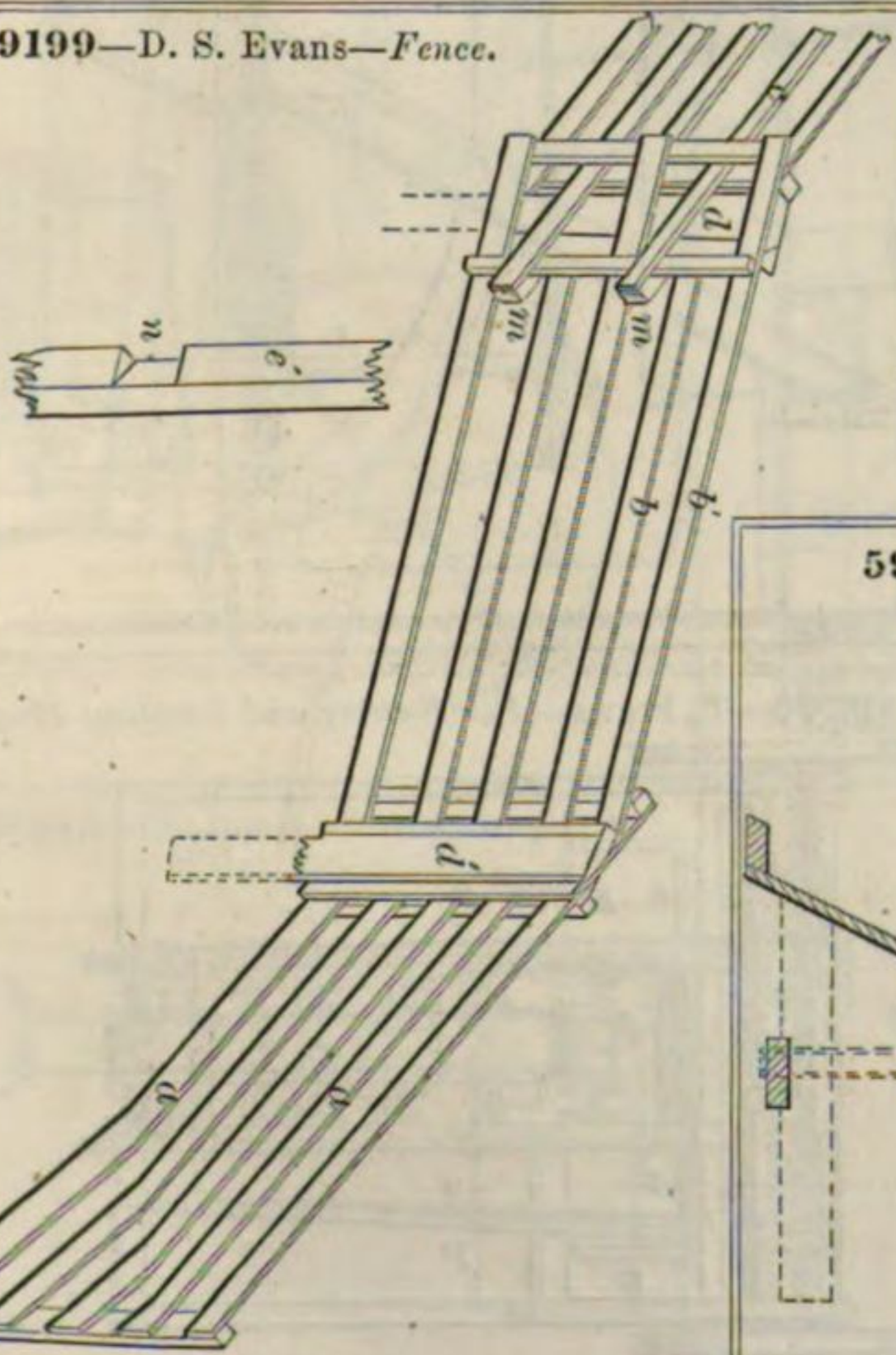
59196—E. Duncan—*Gate.*



59197—W. C. Dunn—*Training Hops.*



59199—D. S. Evans—*Fence.*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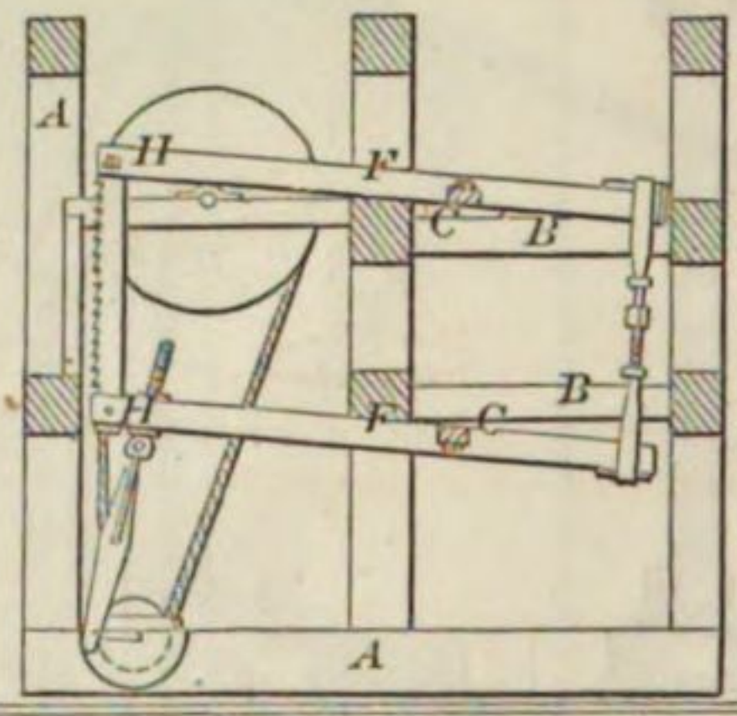
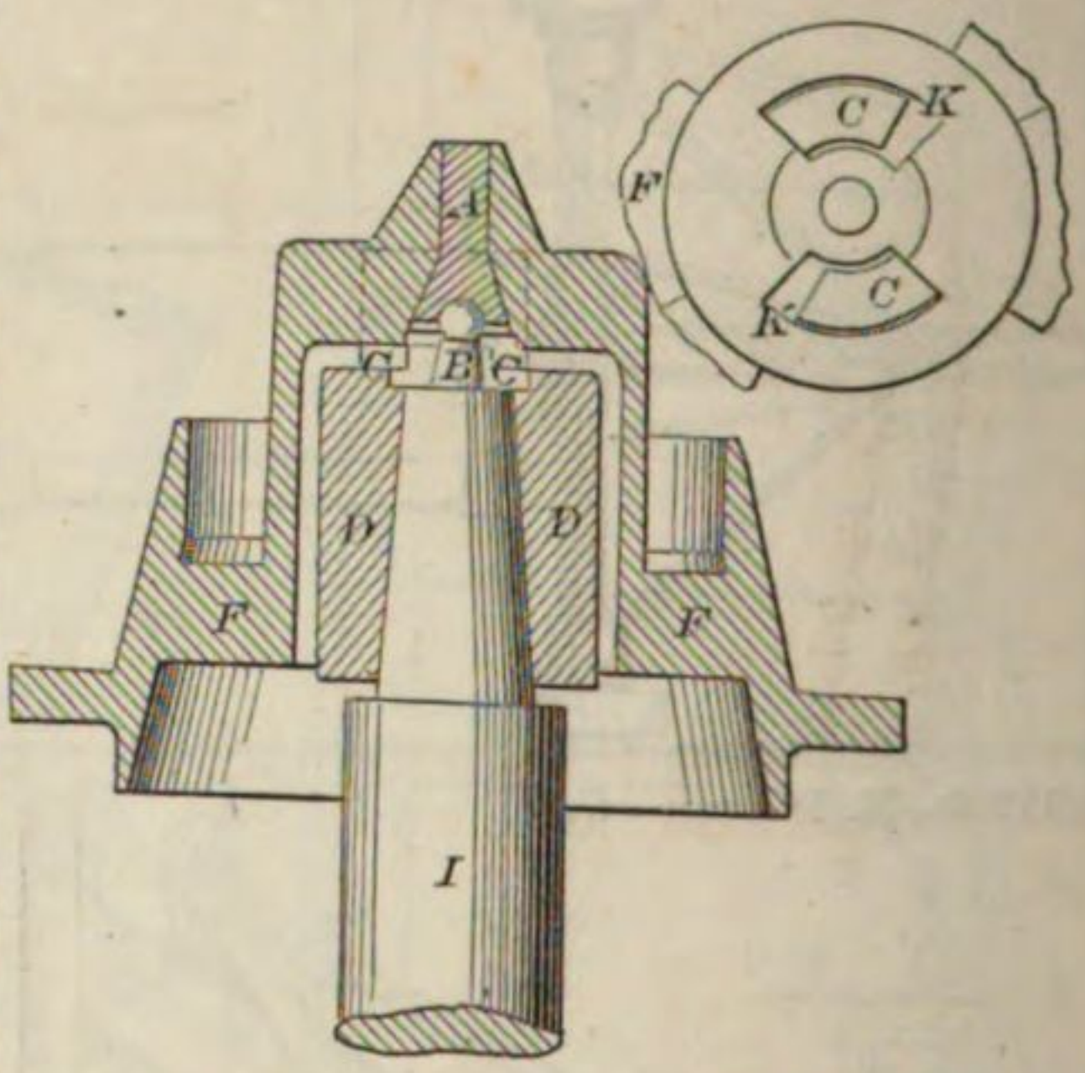
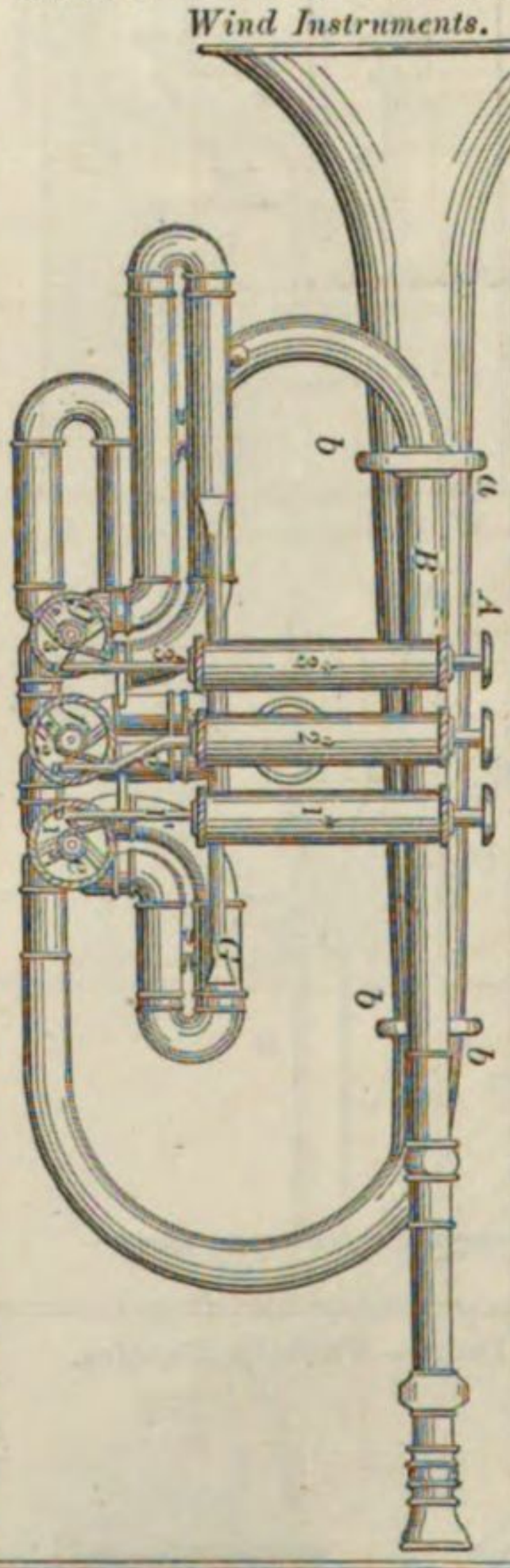
59200—W. W. Ewing—*Saw Mill.*



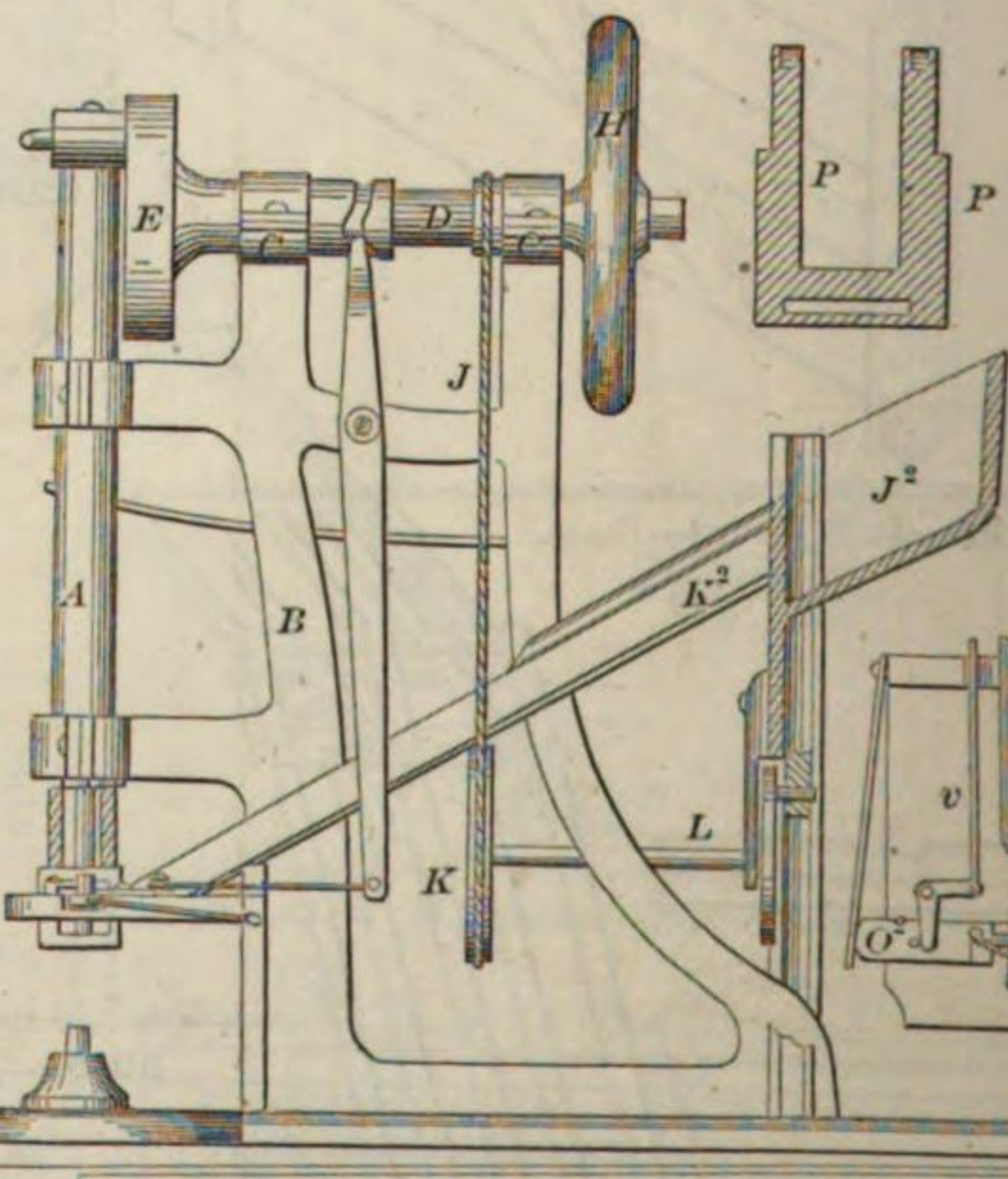
59201—L. Fagin—*Hanging Mill Stones.*



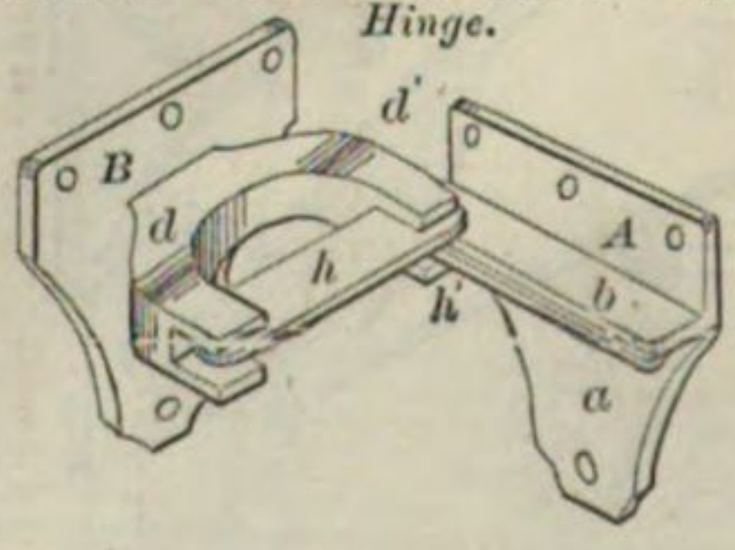
59204—I. Fisko—*Cornet and other Wind Instruments.*



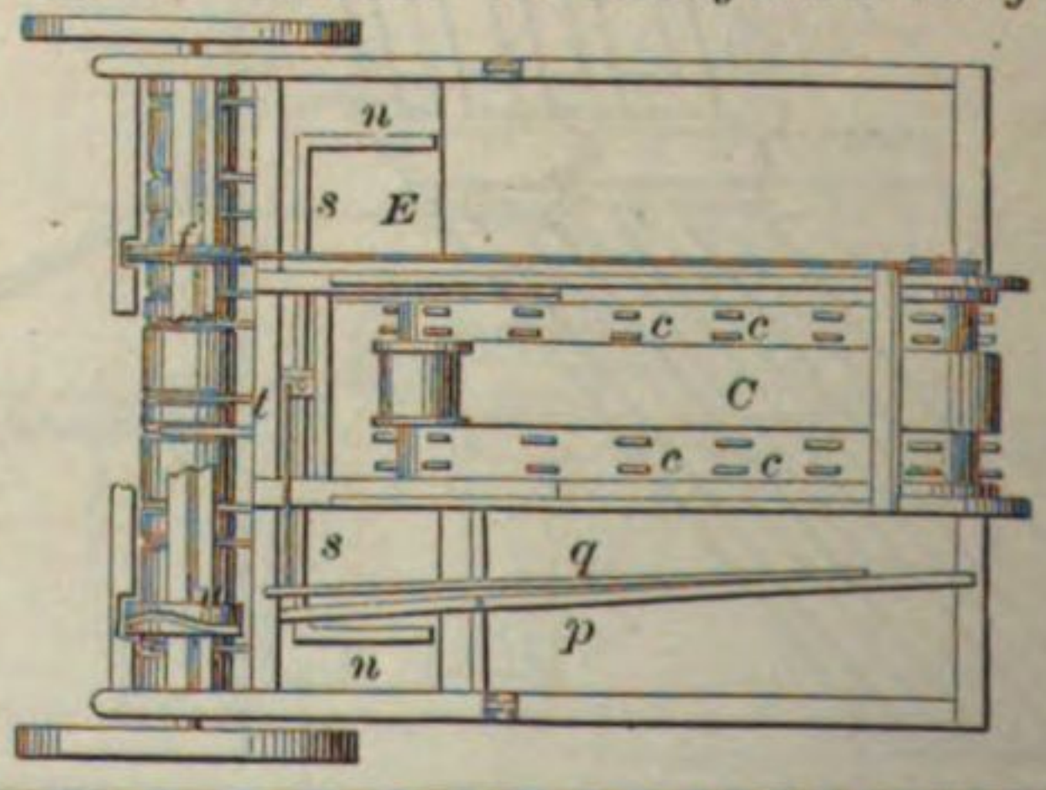
59203—W. H. Field—*For Leathering Tacks.*



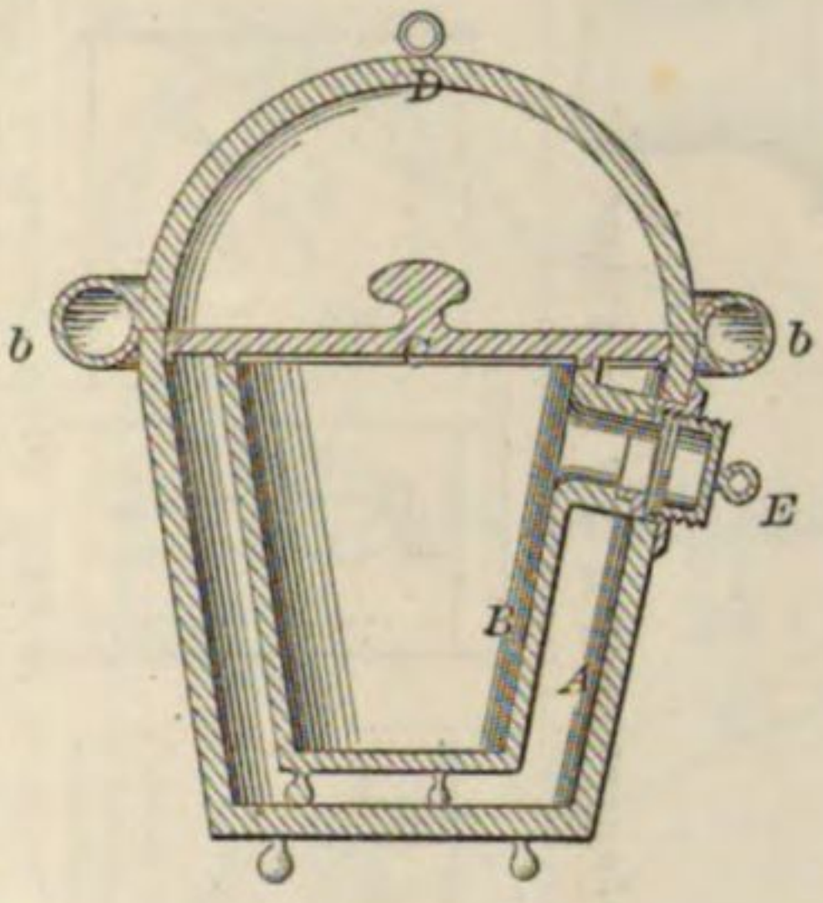
59202—Field & Carruthers—*Gate Hinge.*



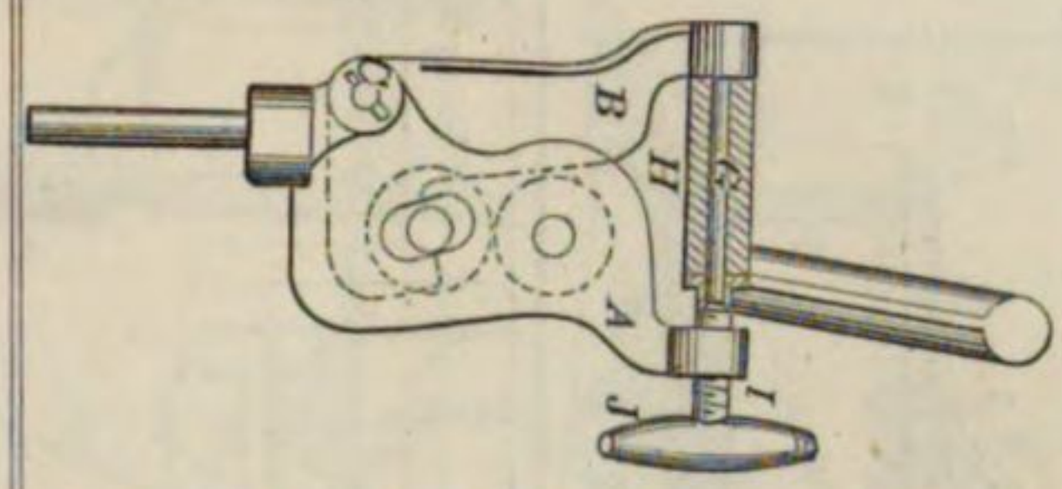
59205—T. Frame—*For Raking and Loading Hay.*



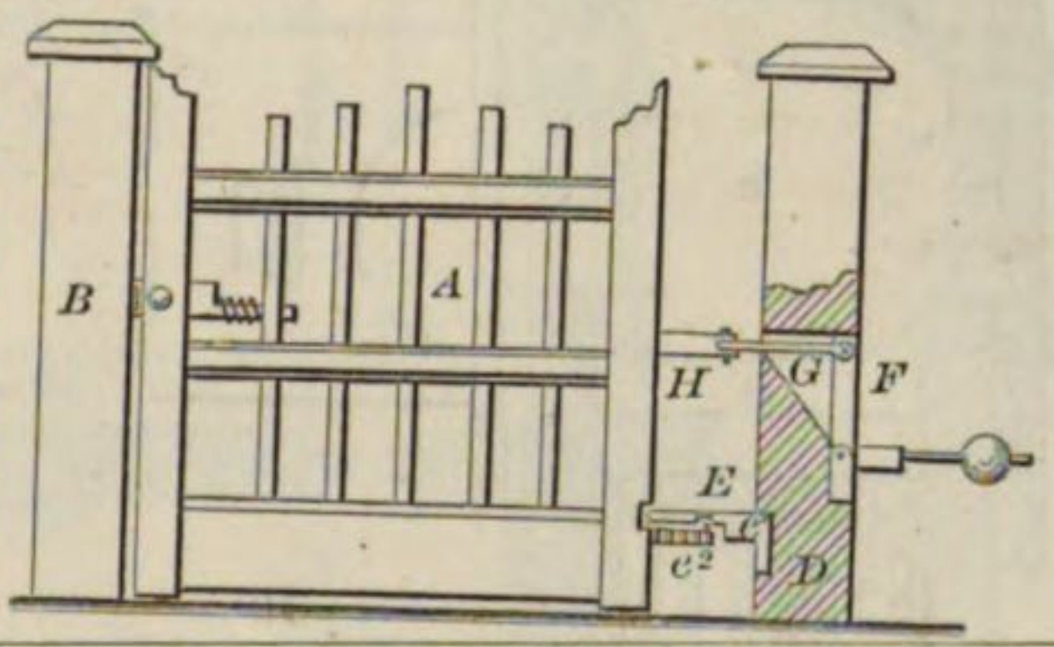
59207—T. T. Furlong—*Safe.*



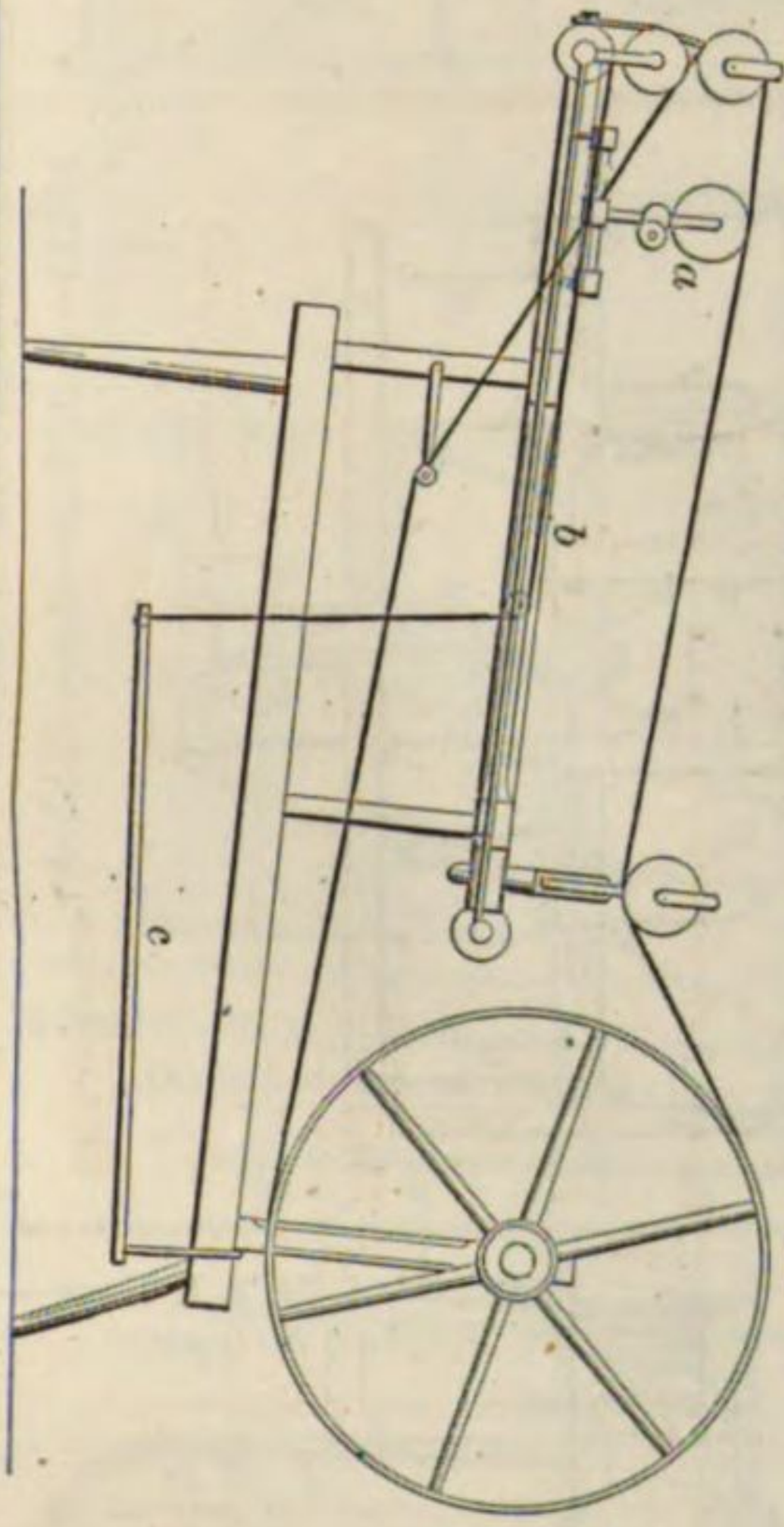
59208—A. C. Gallahue—*Clothes Wringer.*



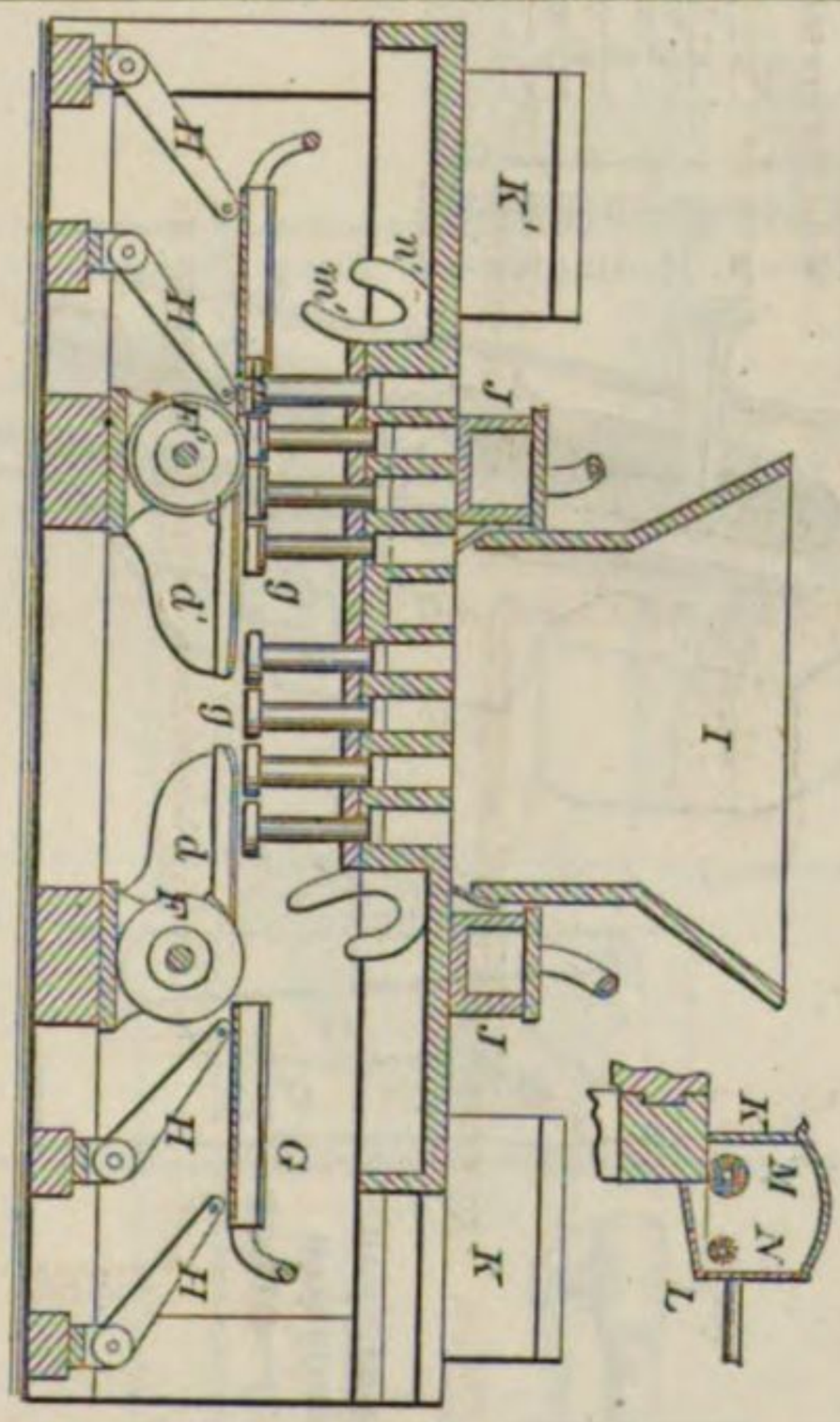
59211—B. Greenside—*Gate Hinge.*



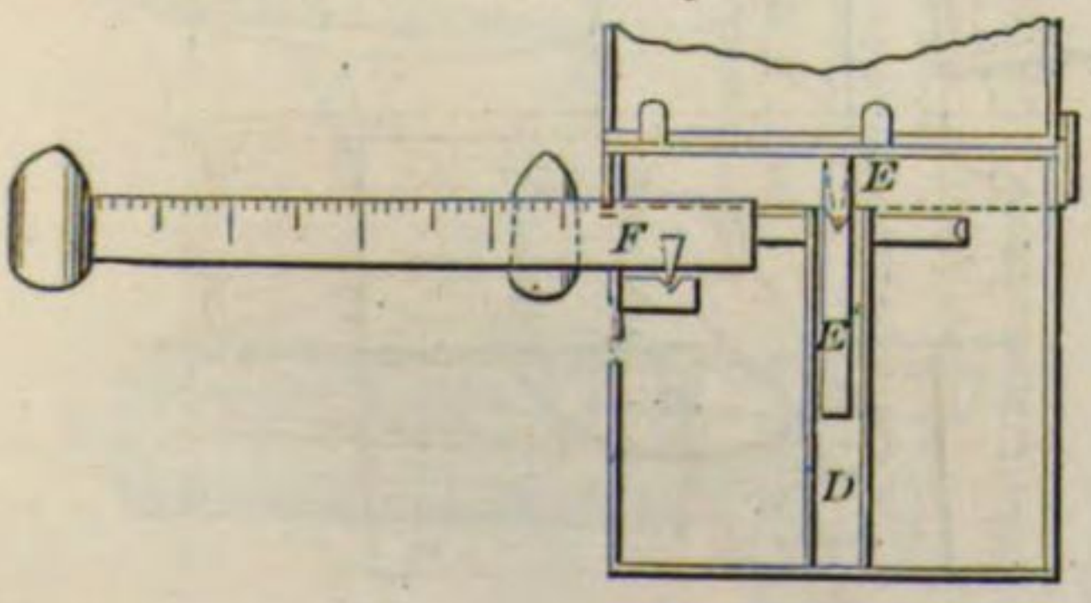
59210—J. Green—*Hand Spinning Wheel.*

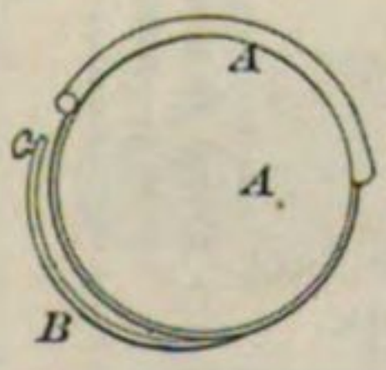


59212—I. Gregg—*Brick Machine.*

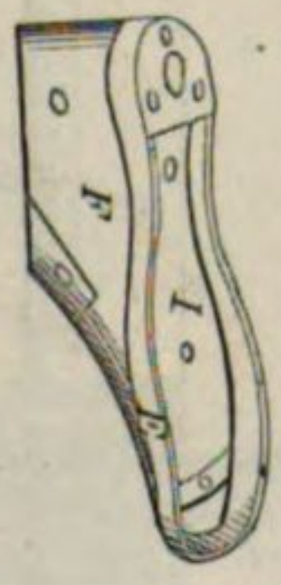


59213—H. Haak—*Grain Gauge.*

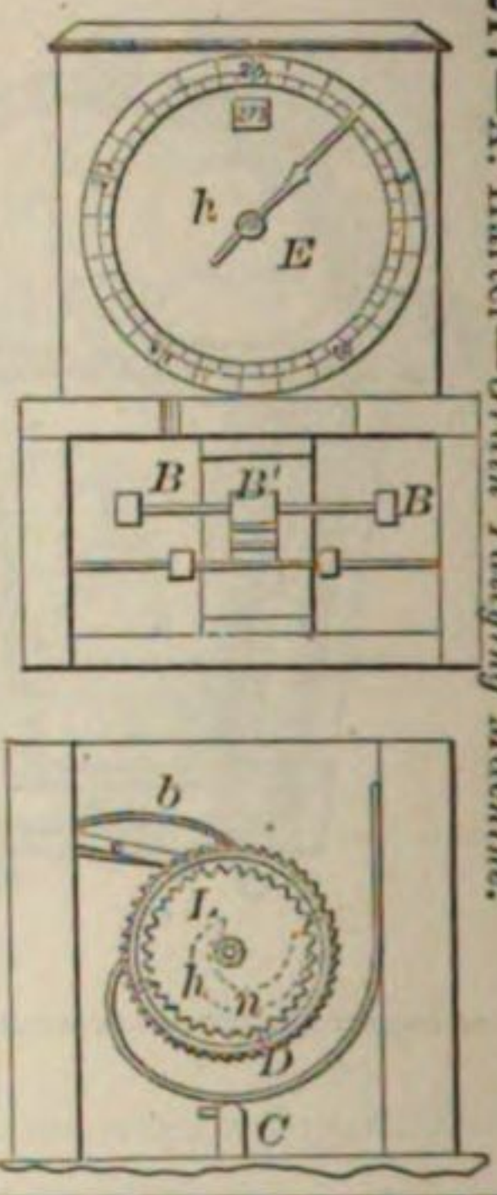




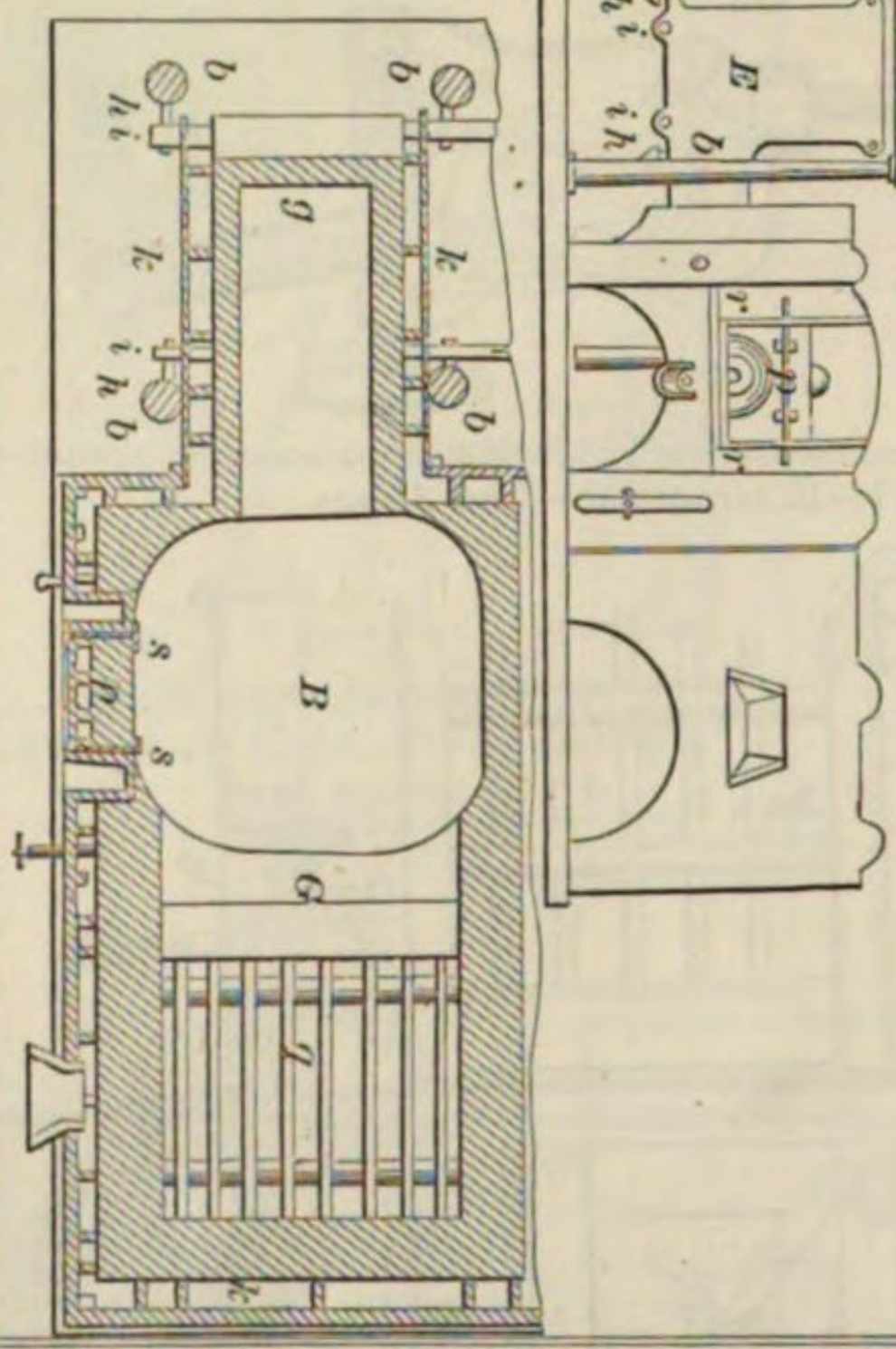
59209—E. T. Green—*Last.*



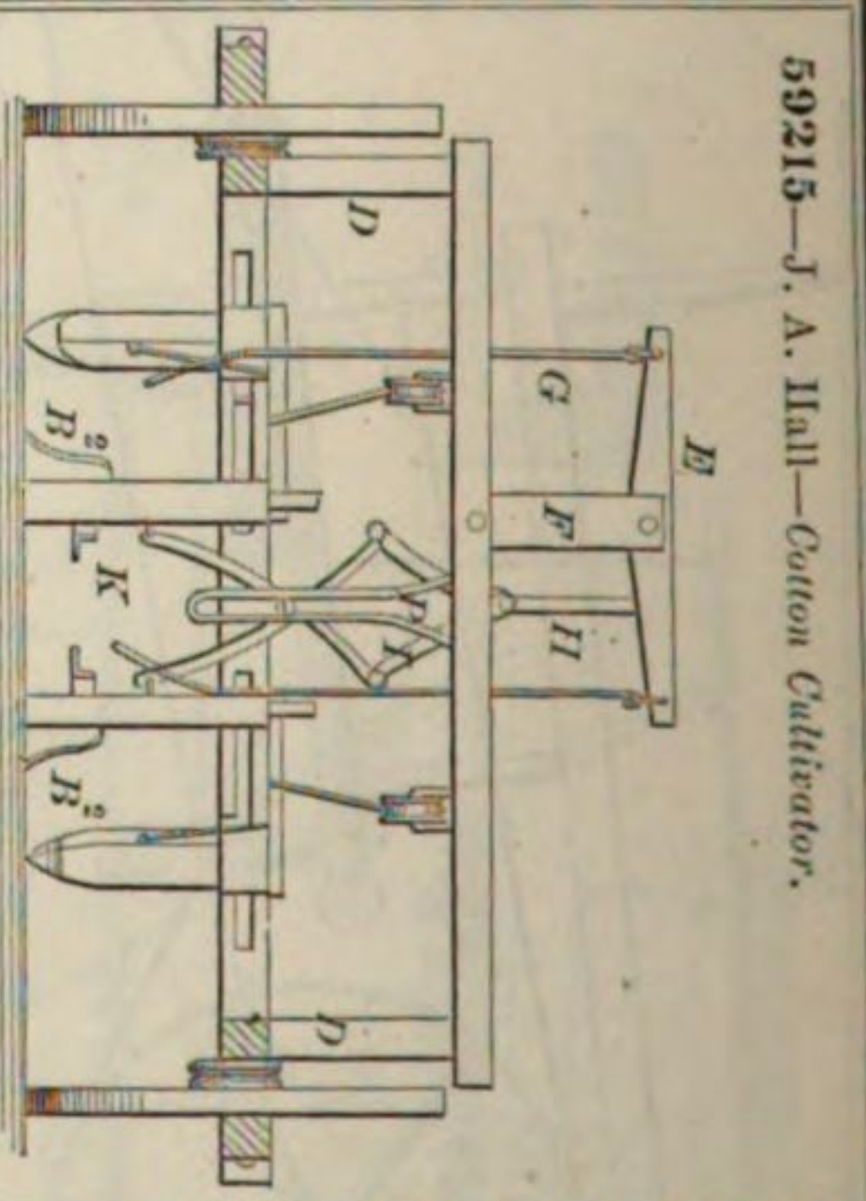
59217—A. Harter—*Grain Tallying Machine.*



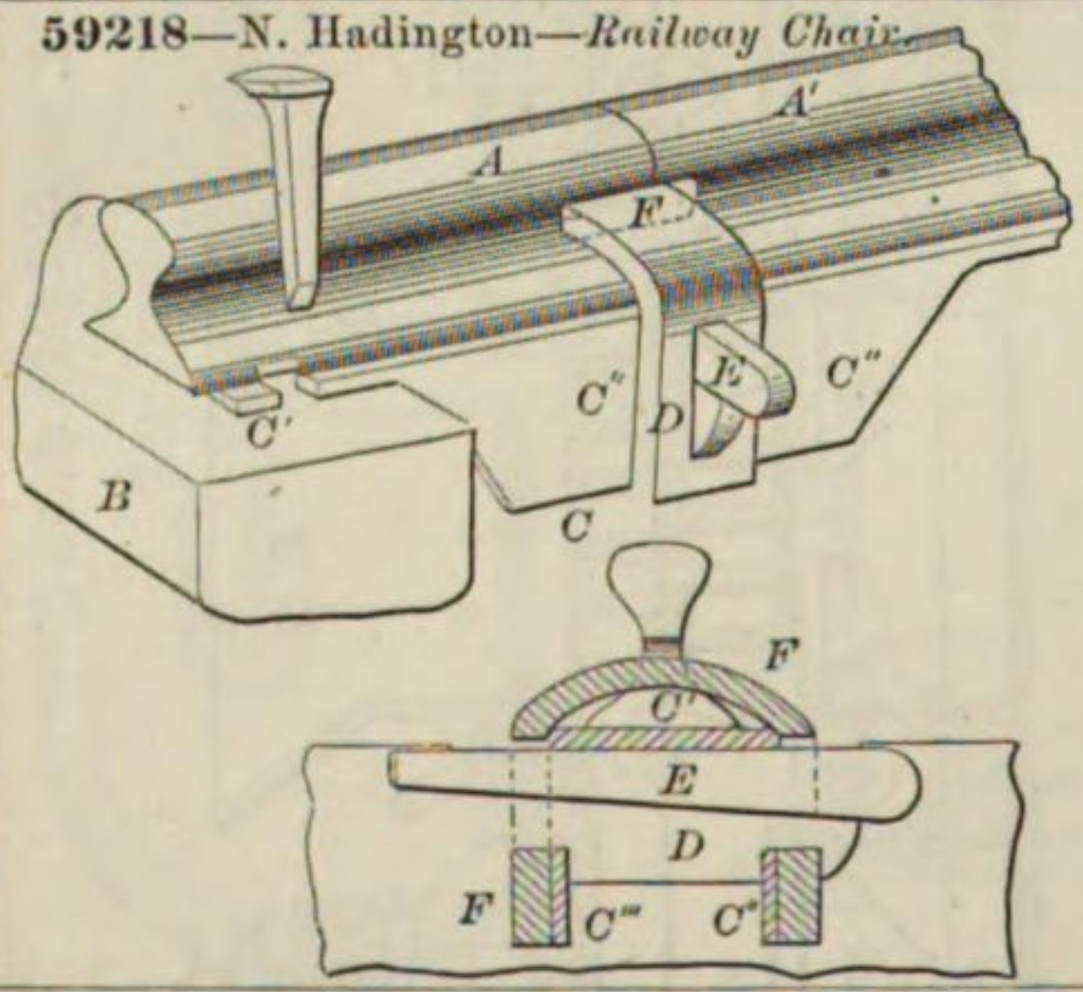
59214—D. & J. Hall—*Puddling Furnace.*



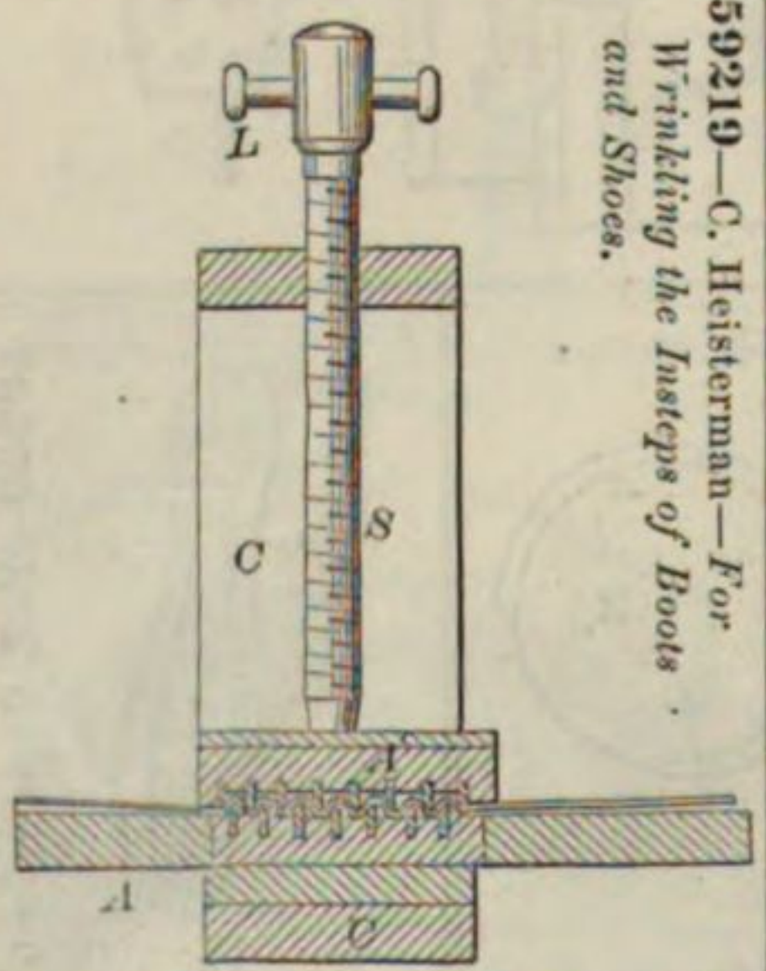
59215—J. A. Hall—*Cotton Cultivator.*



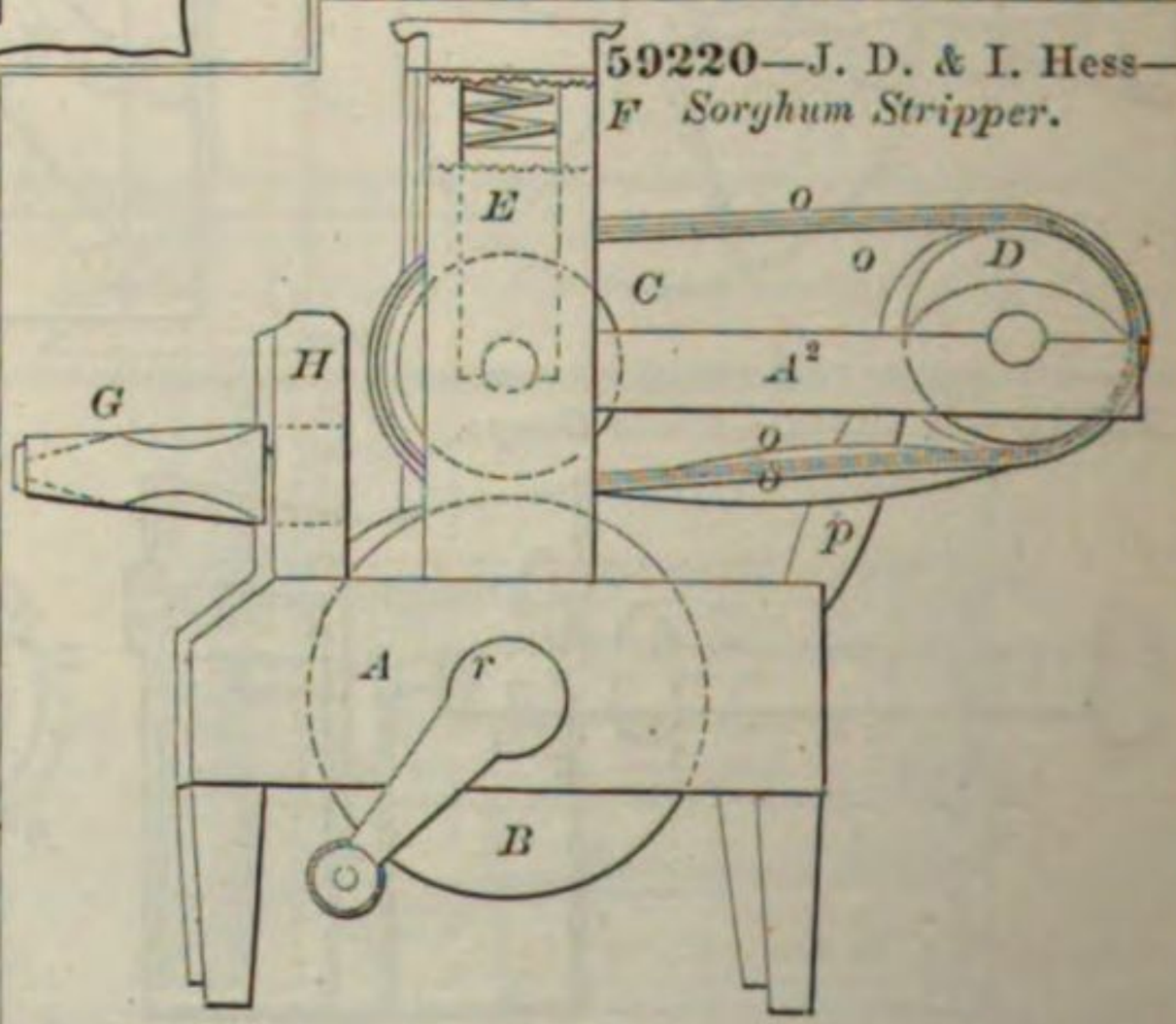
59218—N. Hadington—*Railway Chair.*



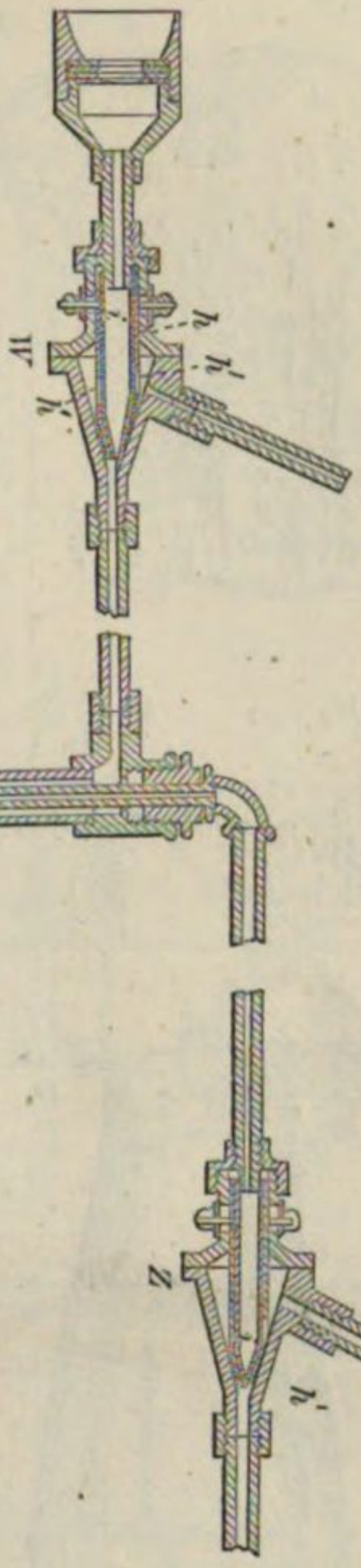
59219—C. Heisterman—*For Sprinkling the Insteps of Boots and Shoes.*



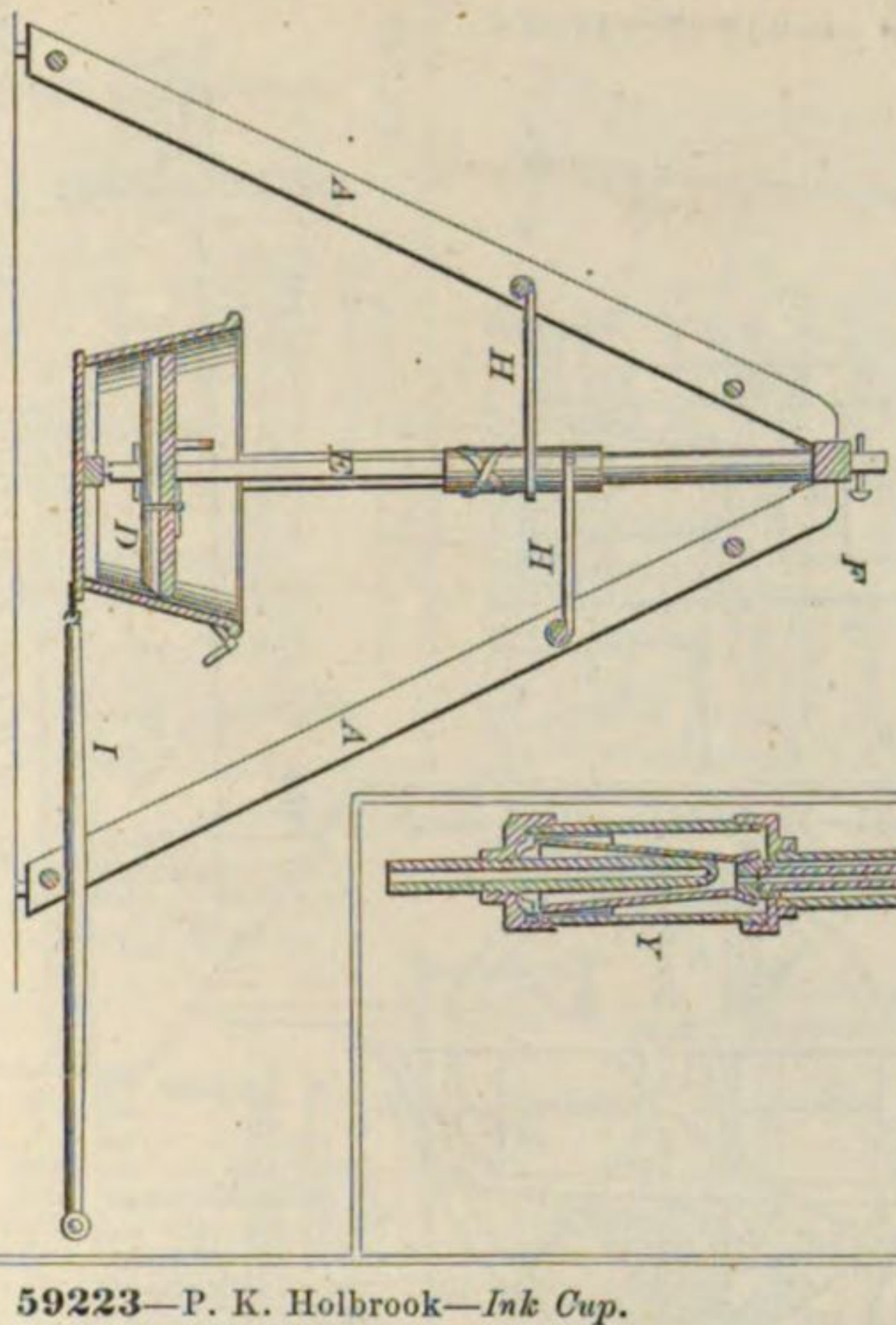
59220—J. D. & I. Hess—*Sorghum Stripper.*



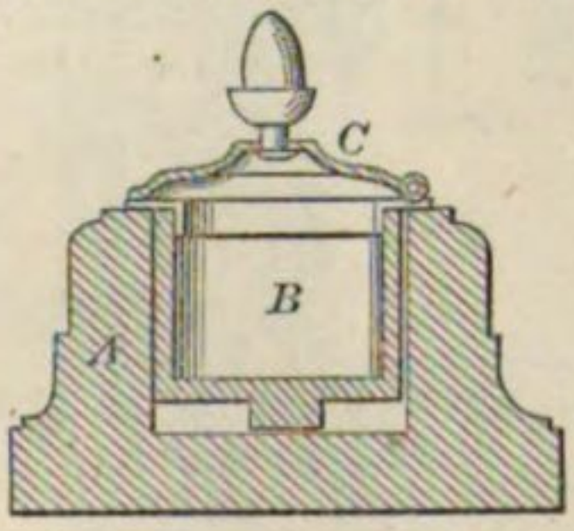
59221—S. E. Howes—*Steam and Air Ejector.*



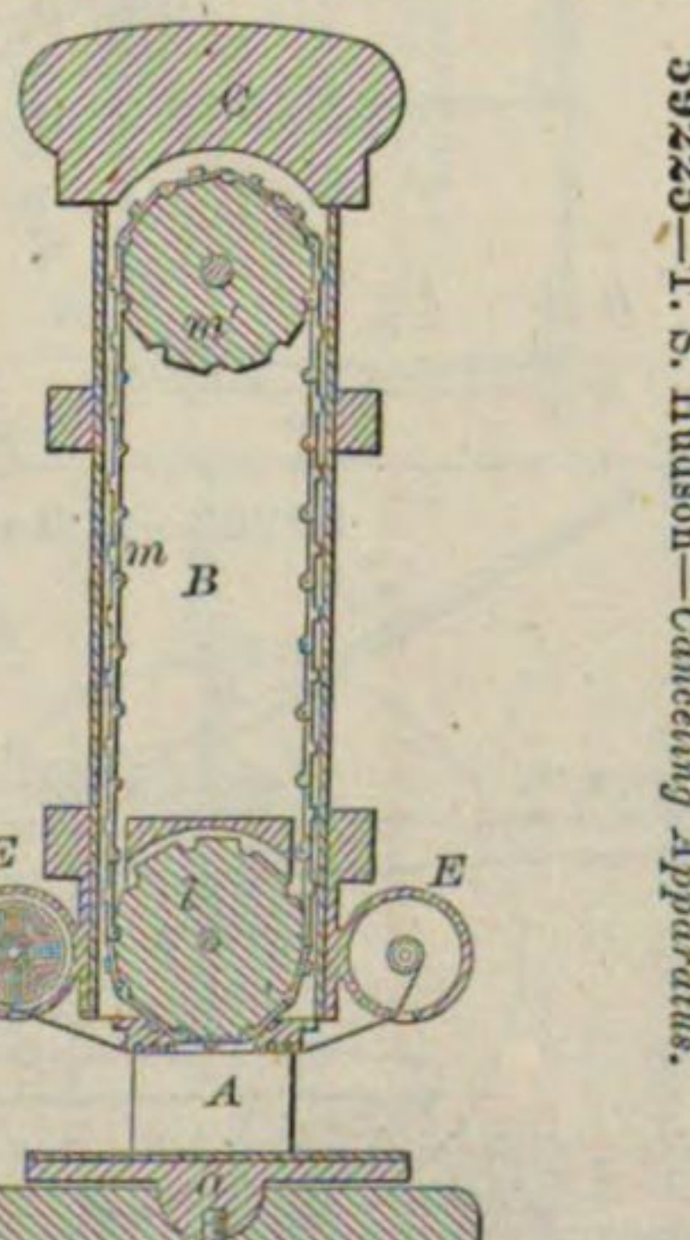
59224—R. Hoover—*Washing Machine.*



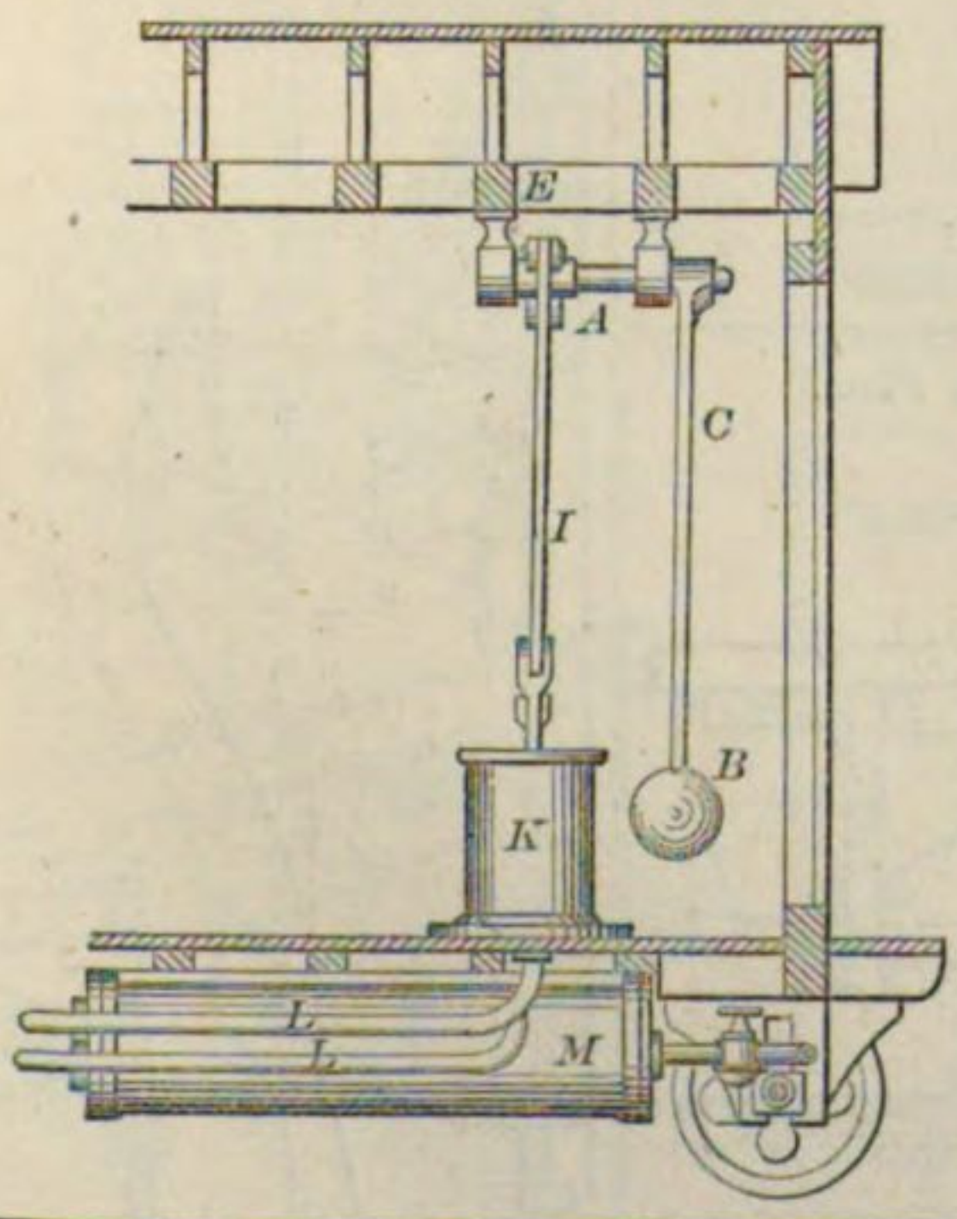
59223—P. K. Holbrook—*Ink Cup.*



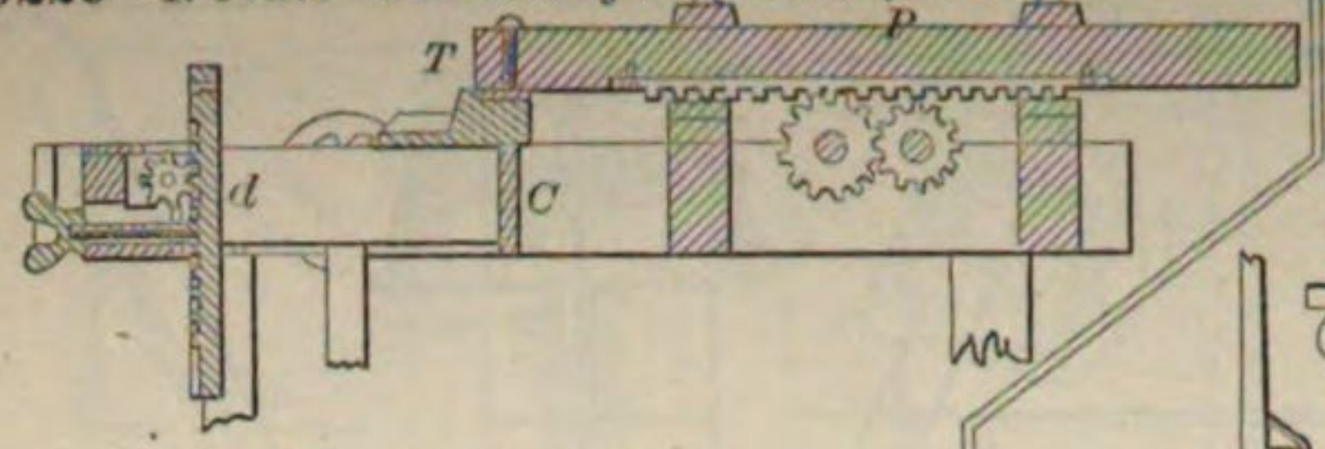
59225—T. S. Hudson—*Canceling Apparatus.*

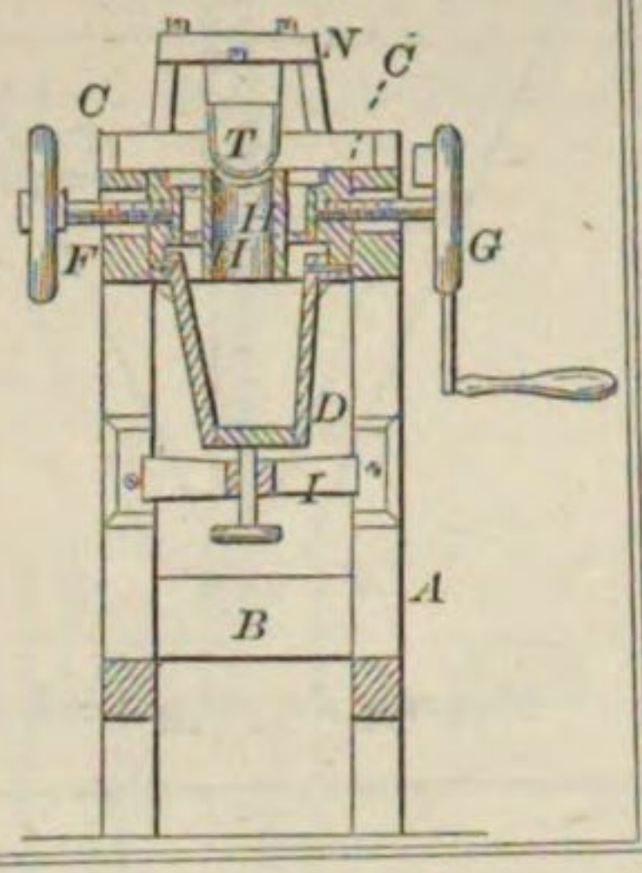


59226—E. S. Hutchinson—*Automatic Blast for Carburettors in Railroad Cars, &c.*

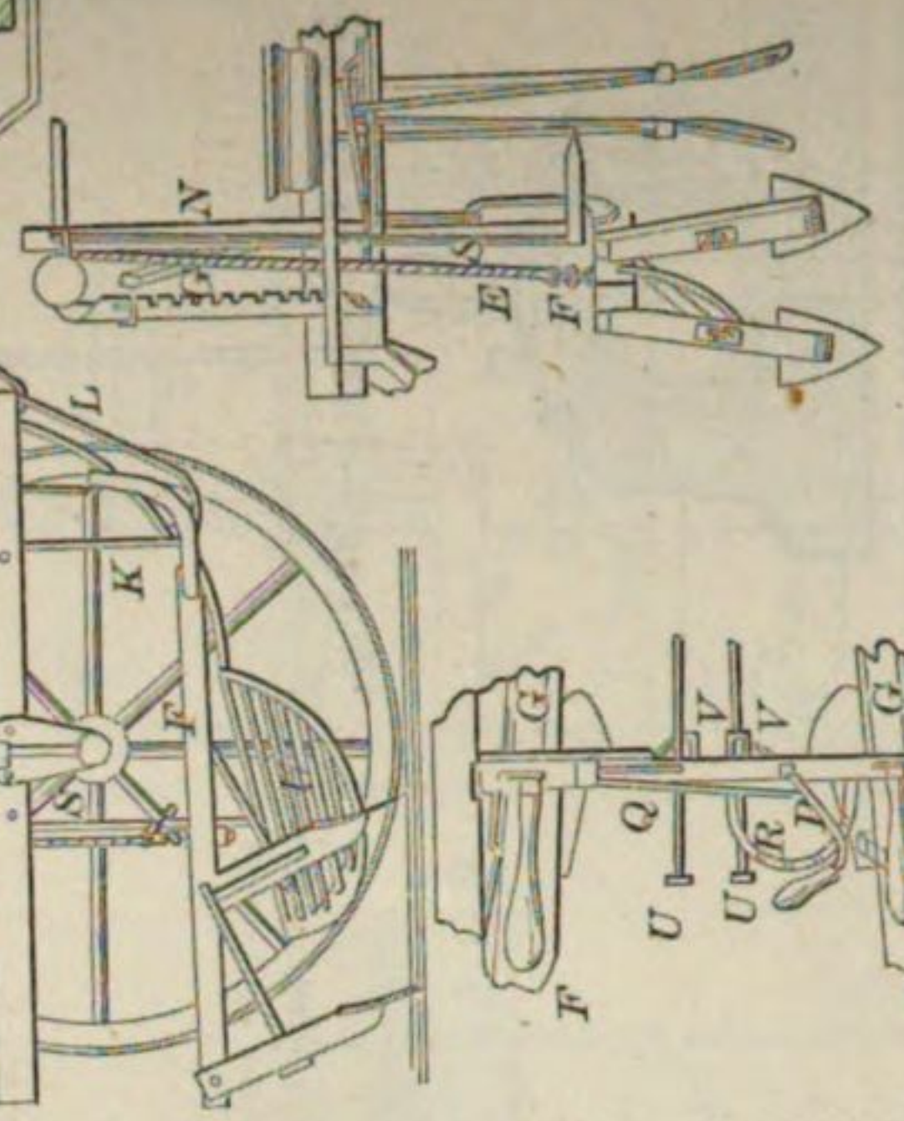


59229—I. Jones—*For Cutting the Fronts of Books.*

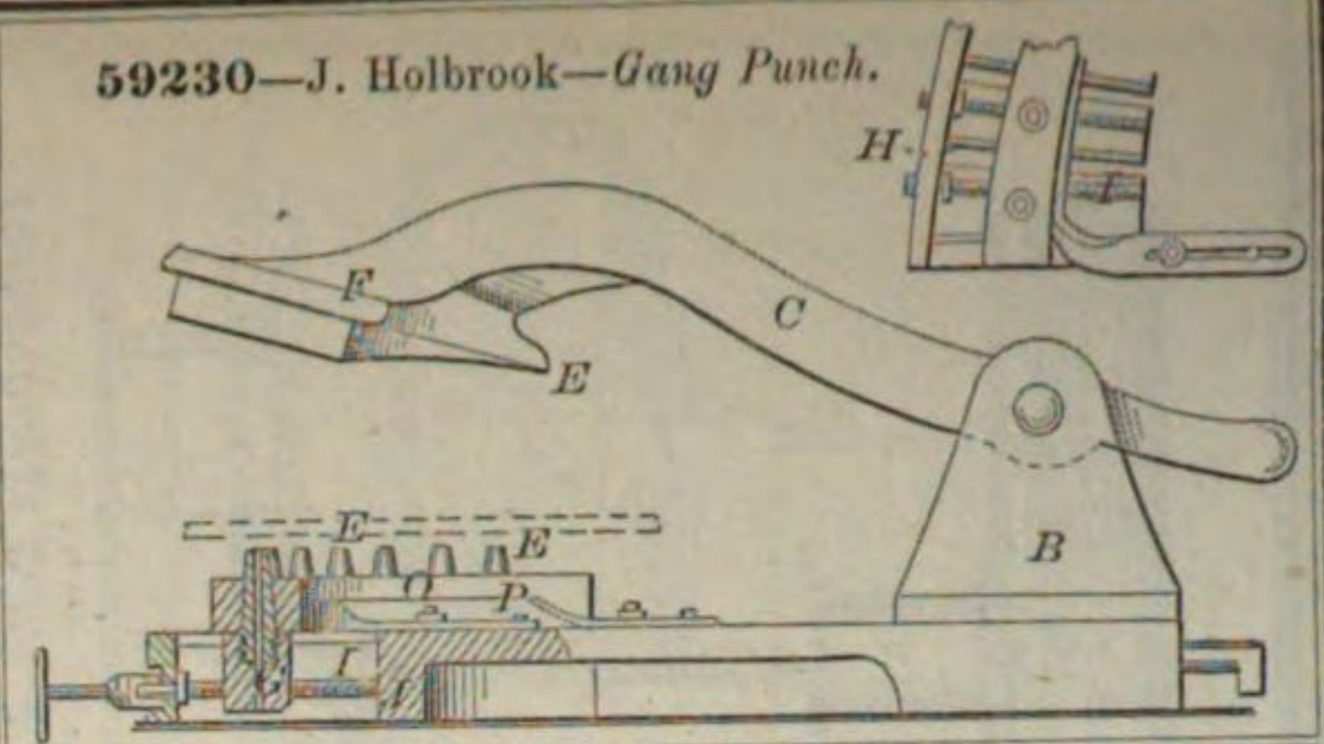




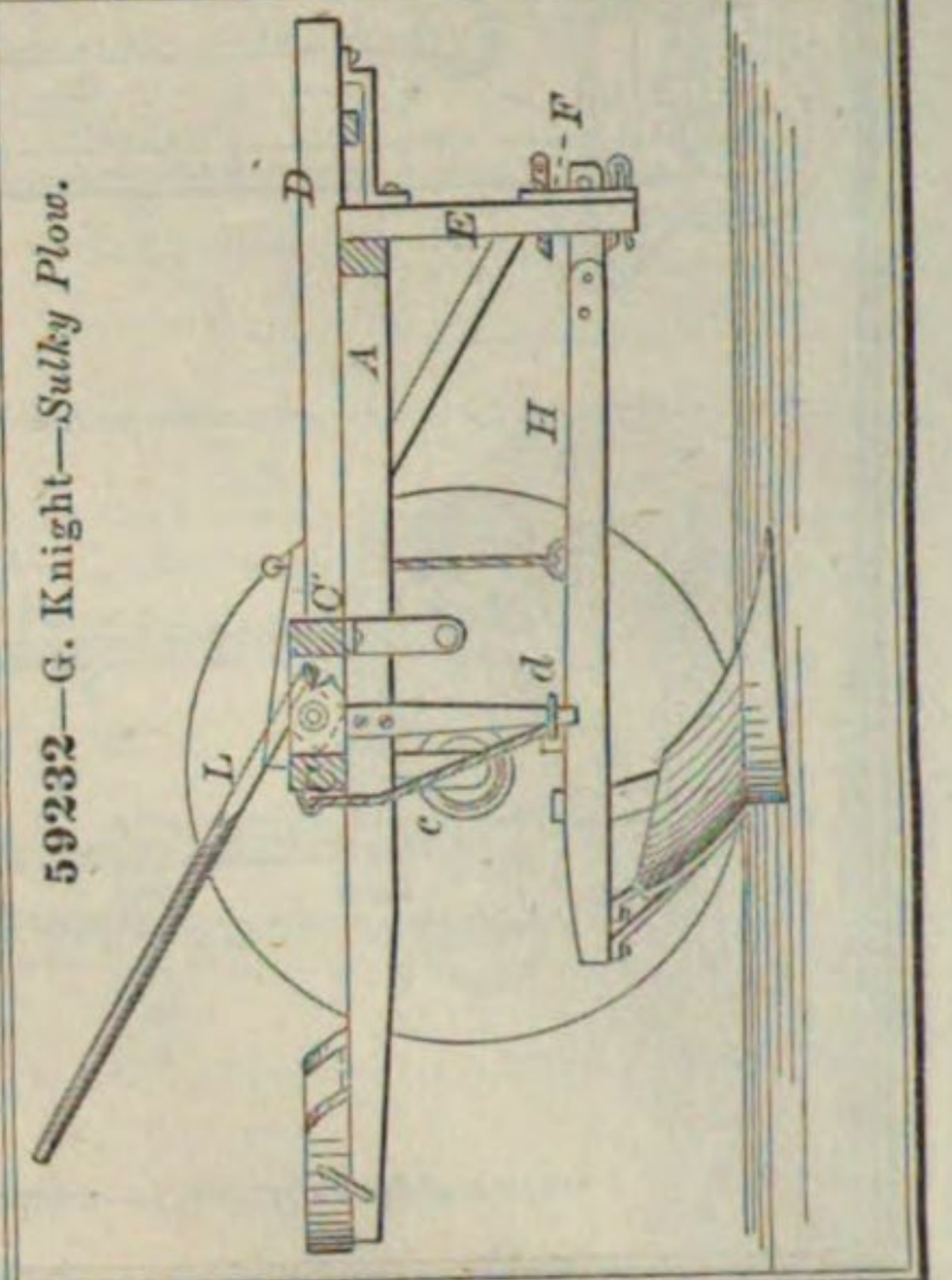
59231—W. Kiddoo—*Cultivator.*

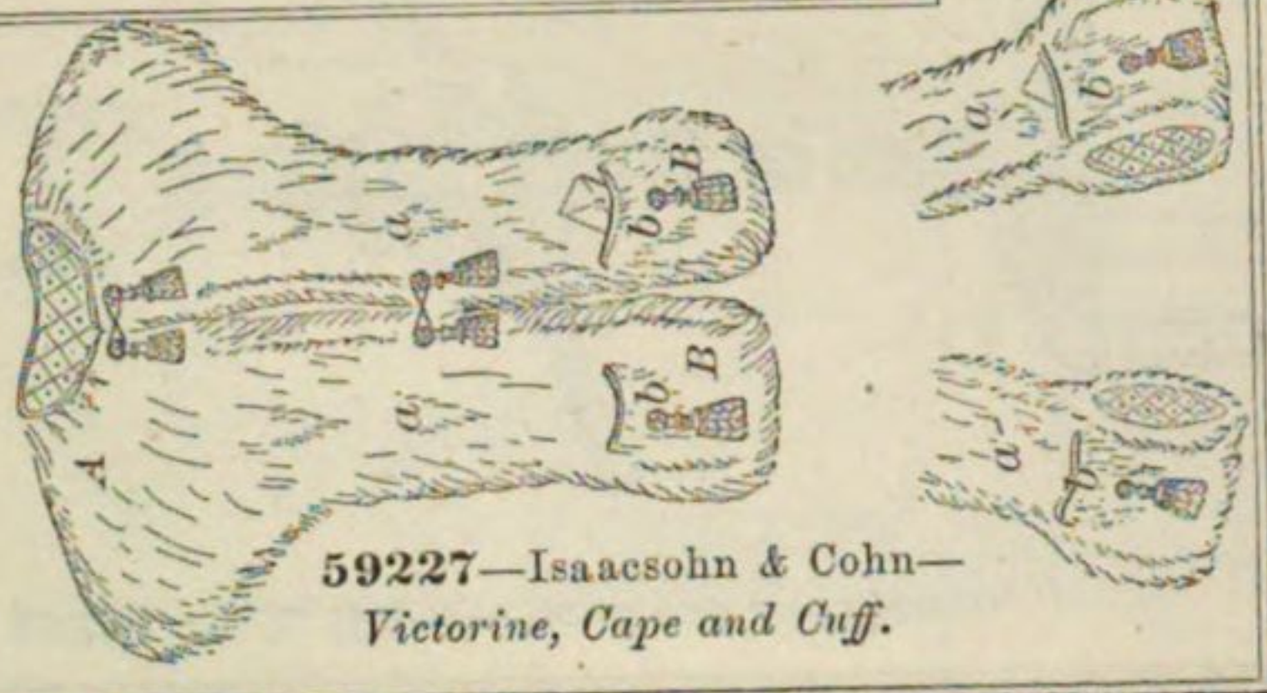


59230—J. Holbrook—*Gang Punch.*



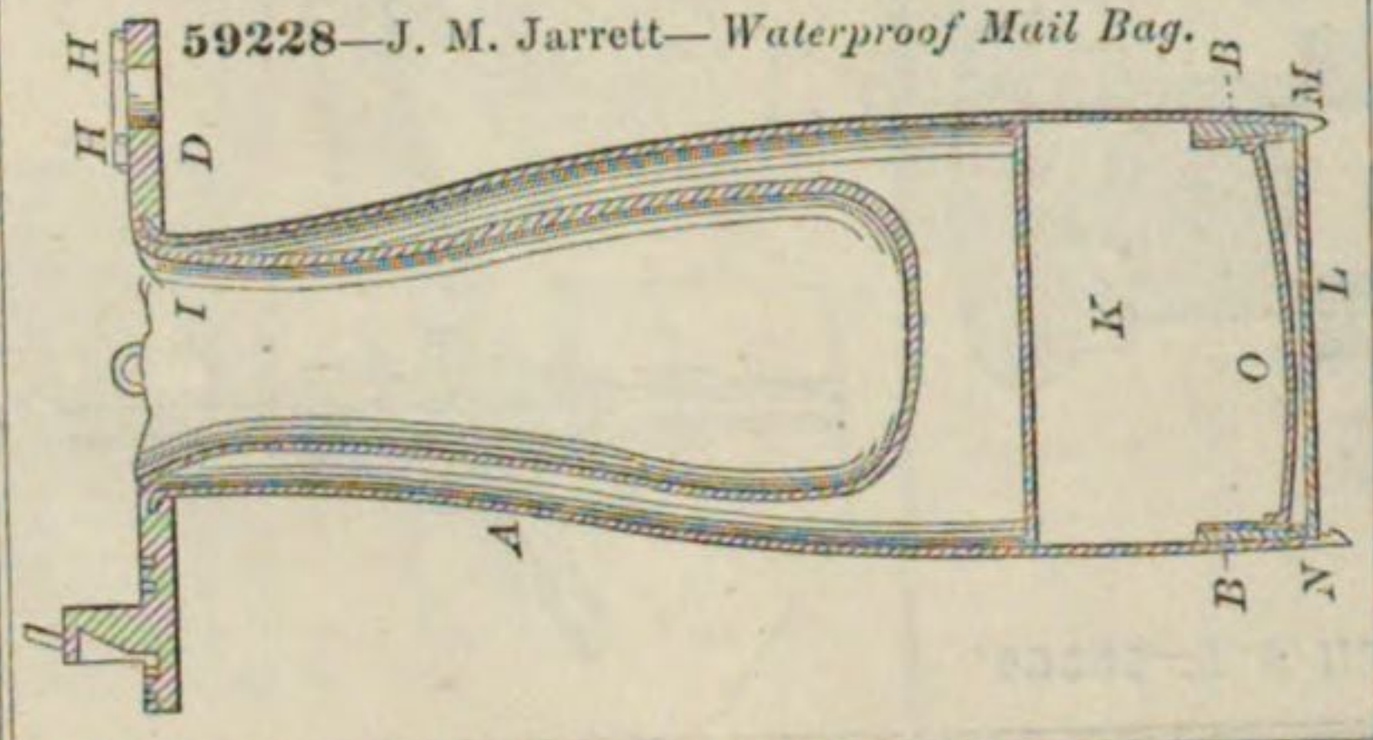
59232—G. Knight—*Sulky Plow.*



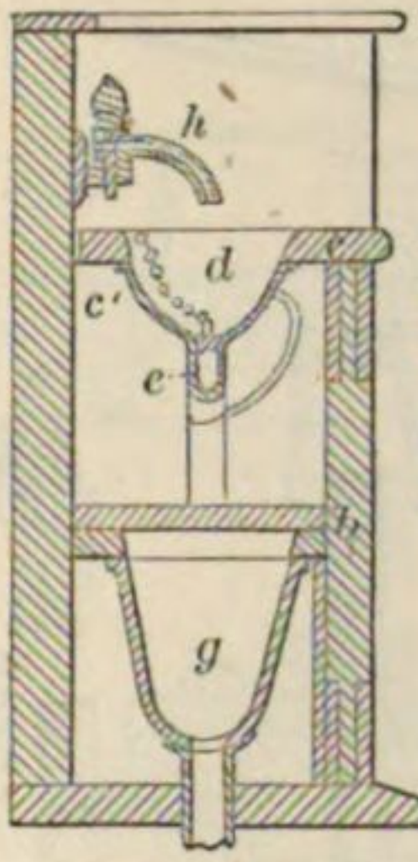


59227—Isaacsohn & Cohn—
Victorine, Cape and Cuff.

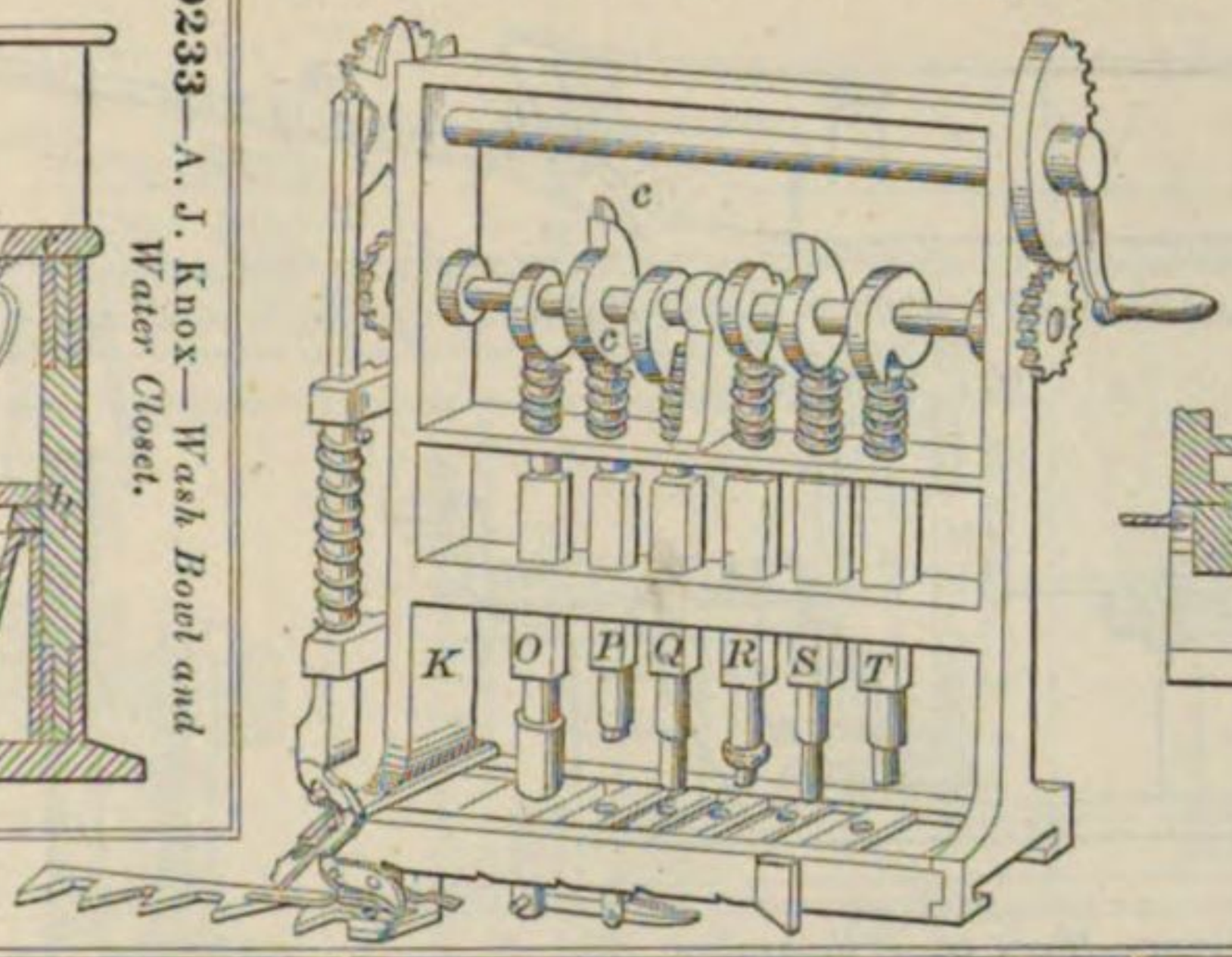
59228—J. M. Jarrett—*Waterproof Mail Bag.*

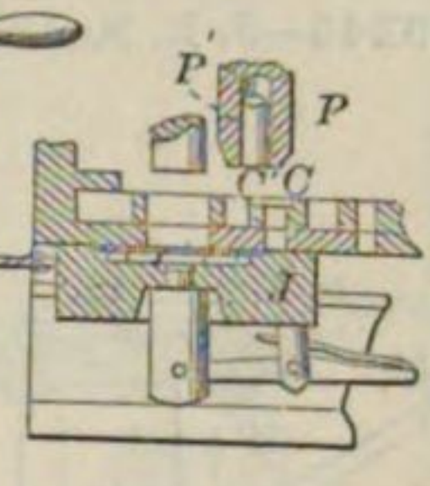


59233—A. J. Knox—*Wash Bowl and Water Closet.*

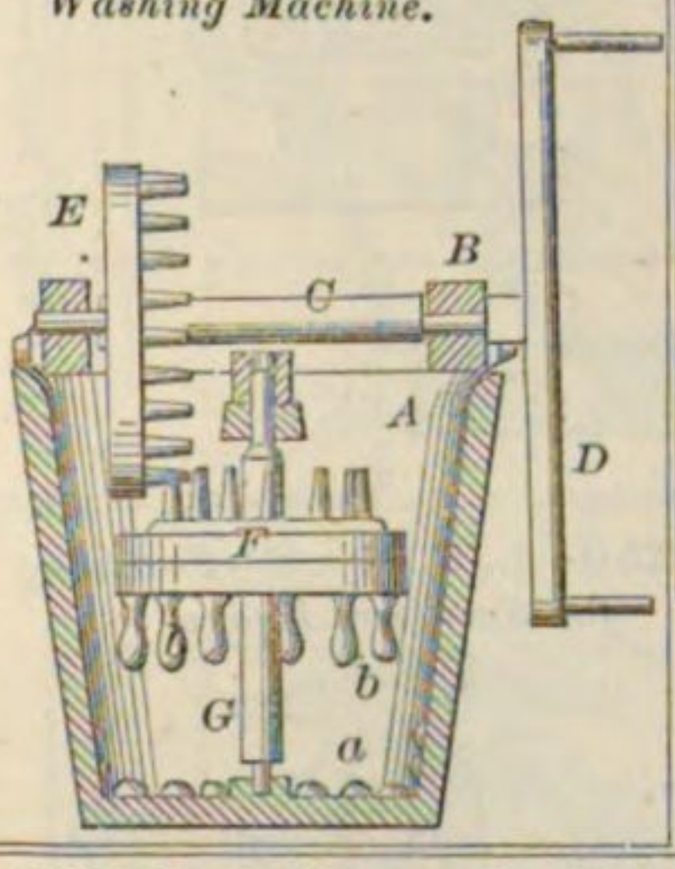


59234—W. Kraemer—*For Making Buttons.*

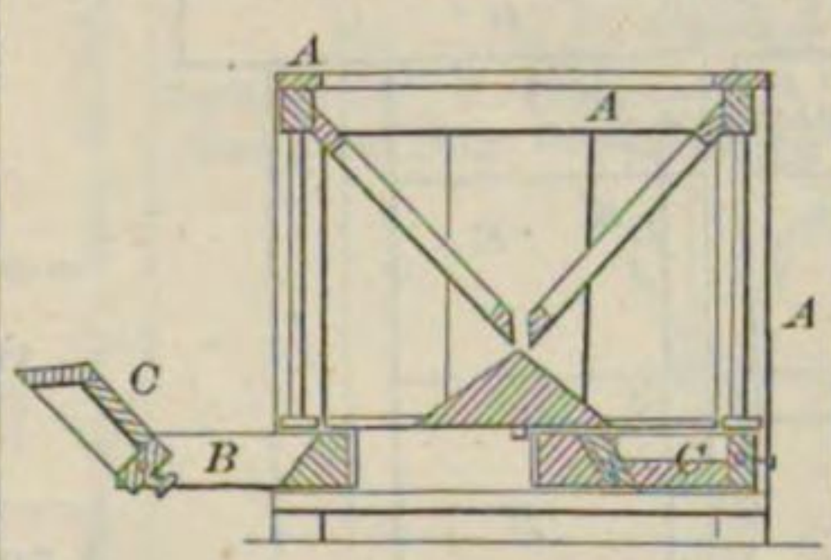




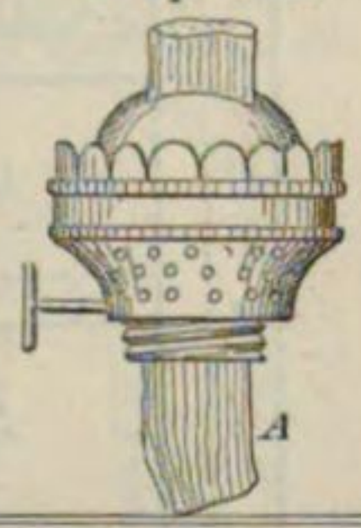
59235—D. Kunkel—*Washing Machine.*



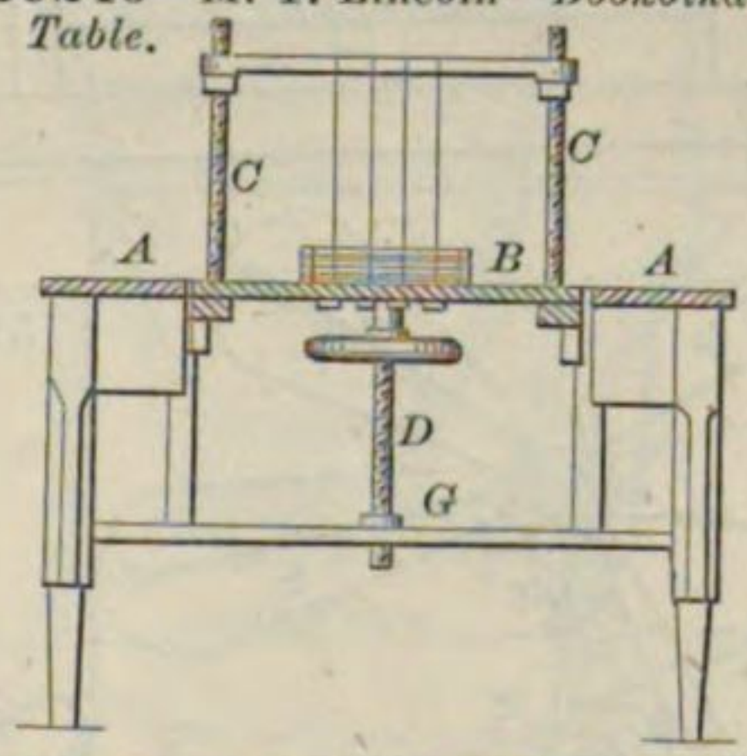
59236—H. H. Ladd—*Sheep Rack.*



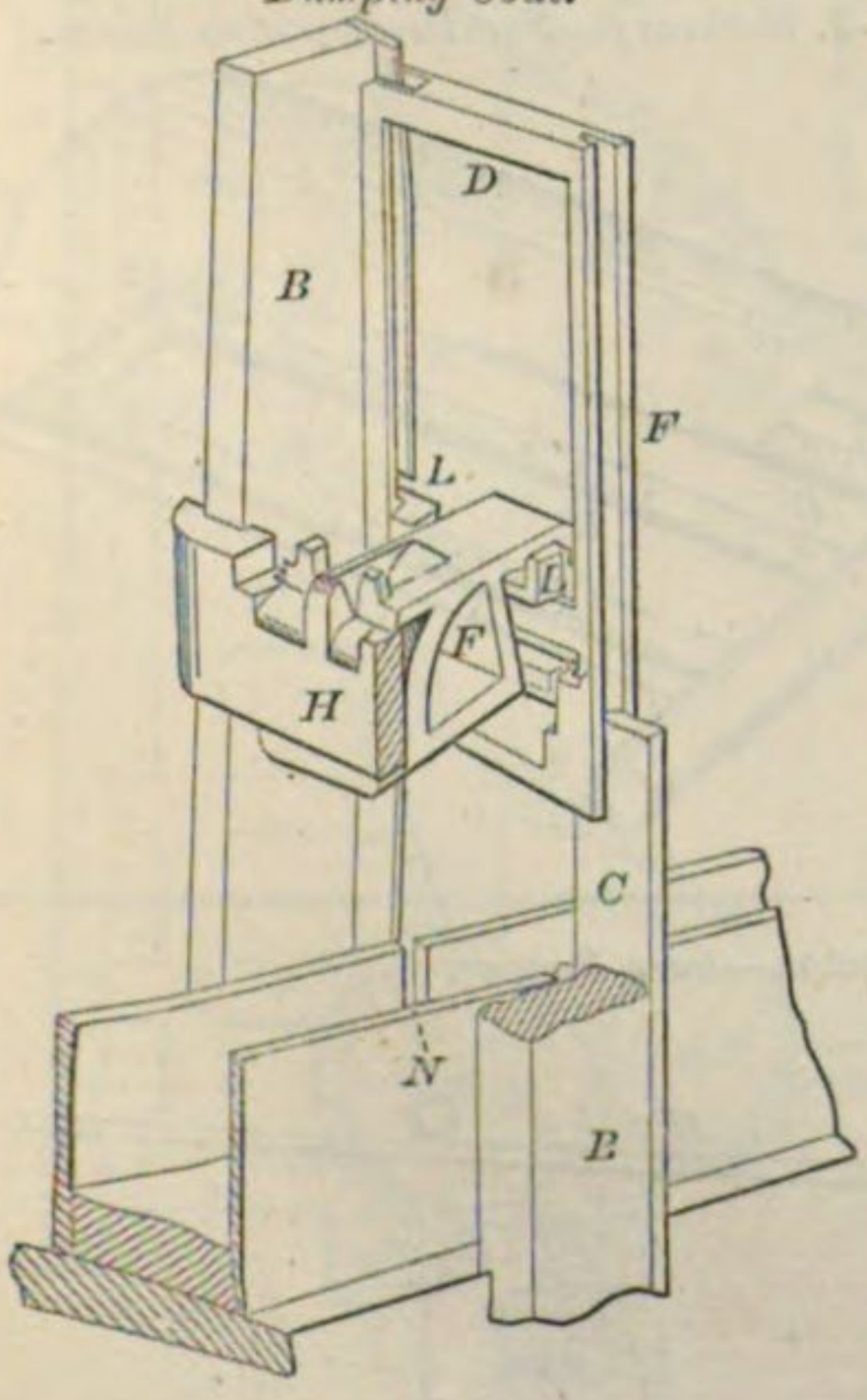
59237
C. W. Le Count—*Lamp Wick*



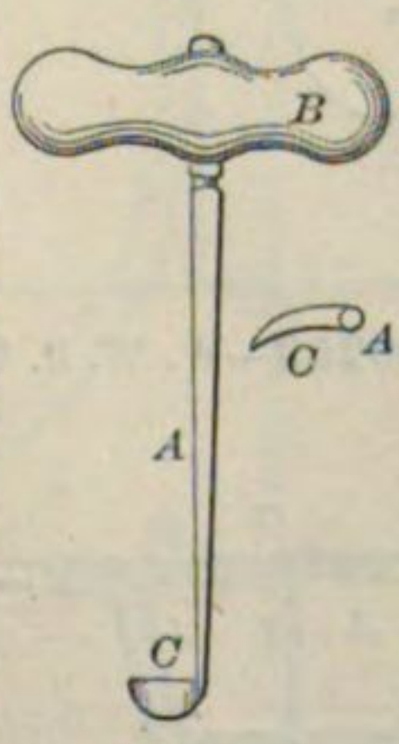
59240—M. T. Lincoln—*Bookbinder's Sewing Table.*



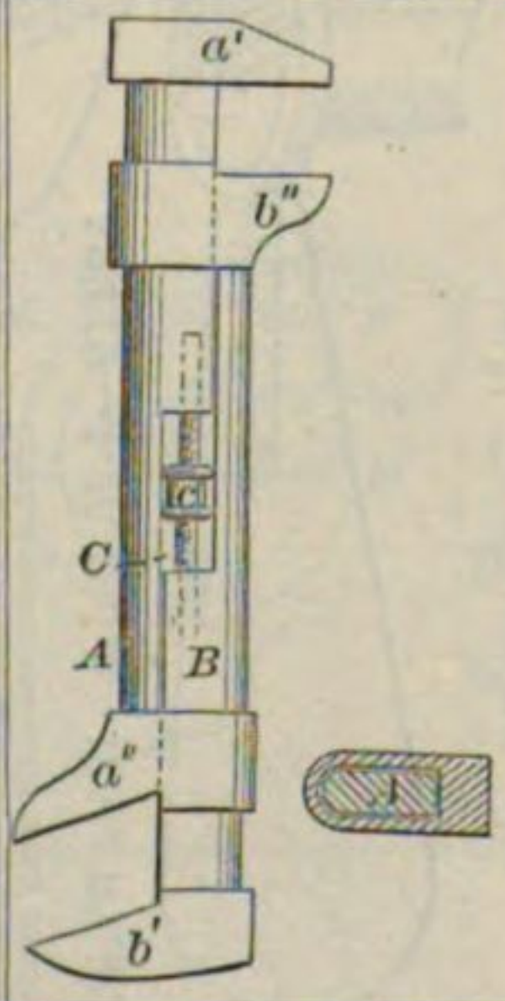
59243—G. Martz—*For Hoisting and Dumping Coal.*



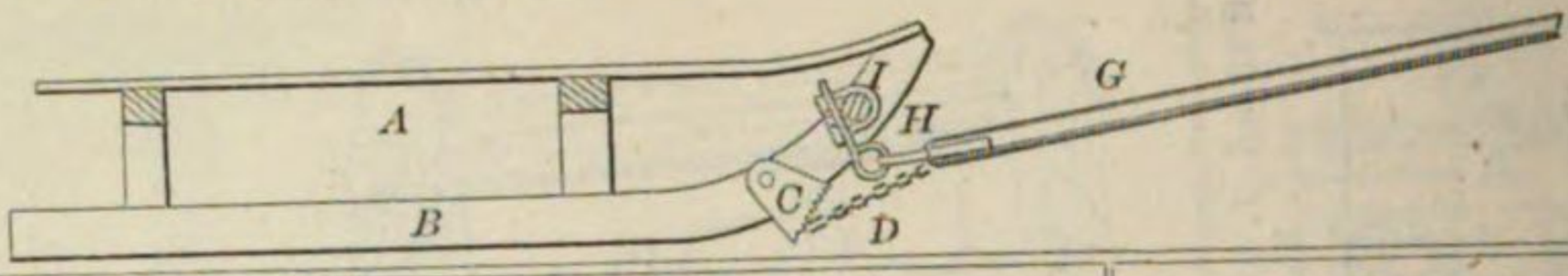
59241—C. Löffler—*Cork Pull.*



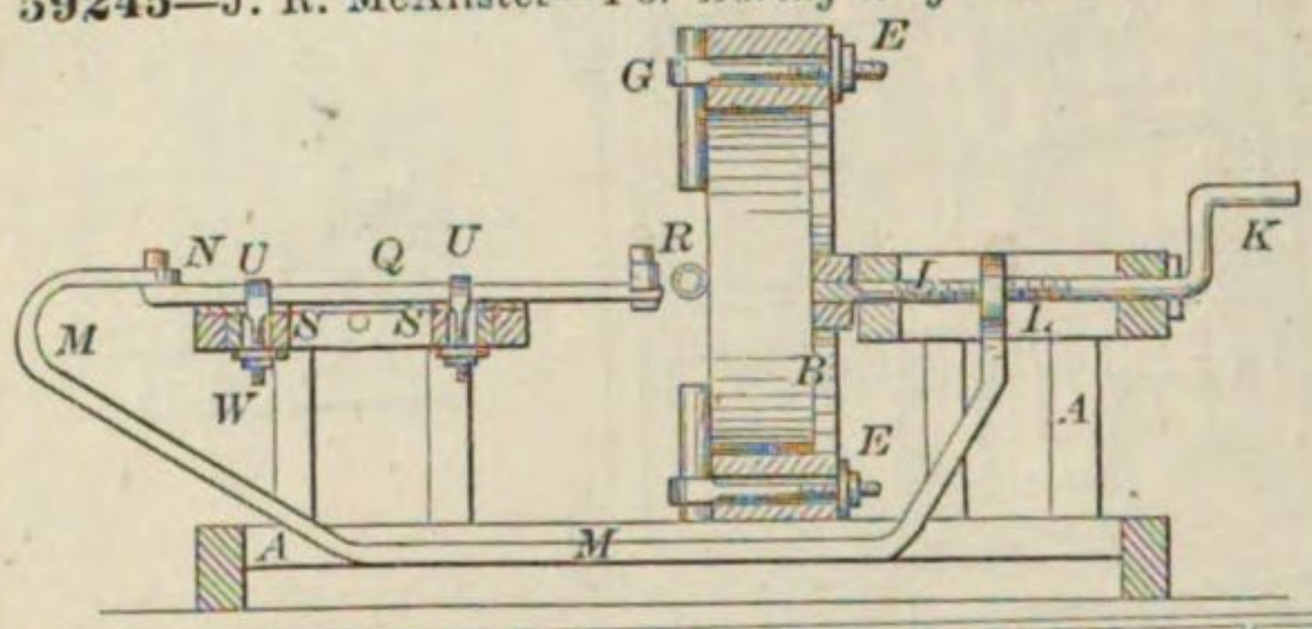
59242—J. J. Love—*Double Headed Wrench.*



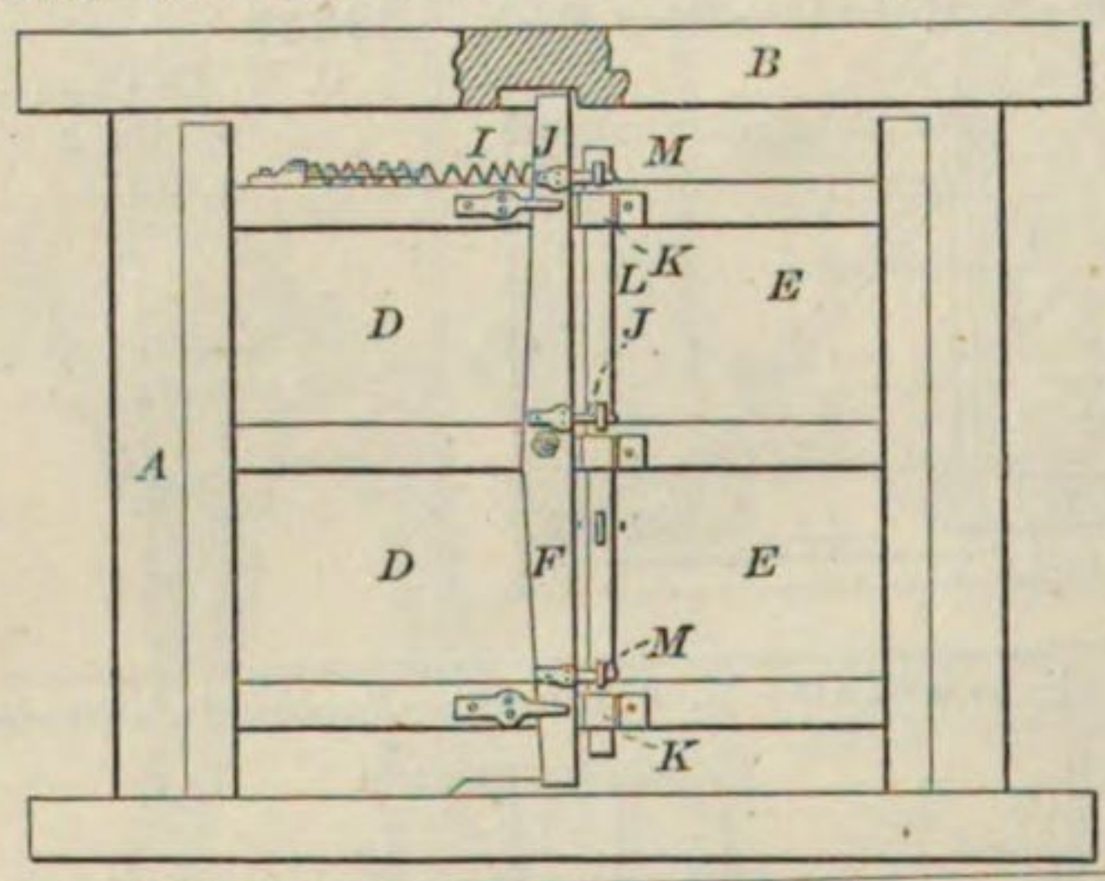
59244—J. R. McAlister—*Sleigh Brake.*



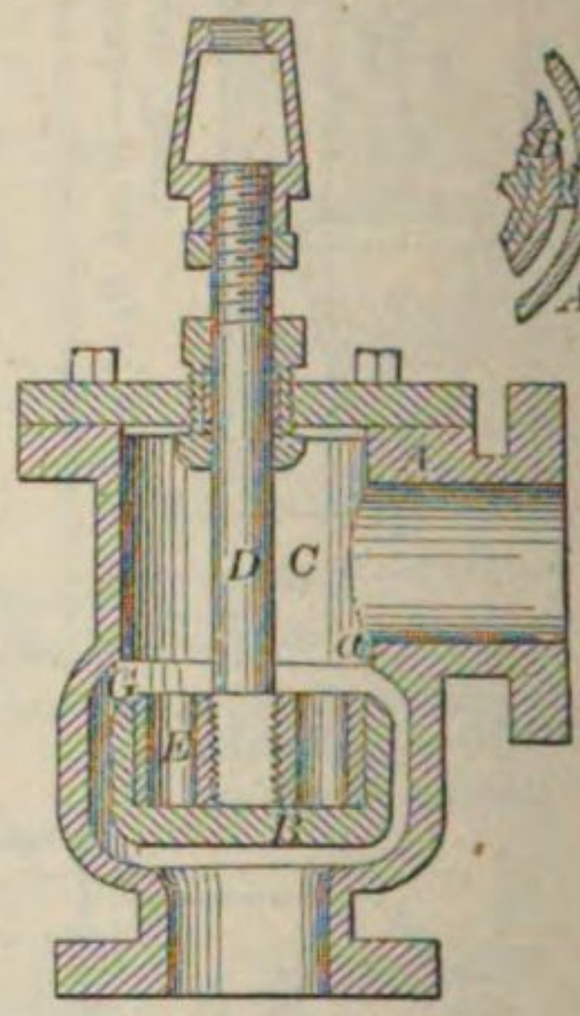
59245—J. R. McAlister—*For Boring Wagon Hubs.*

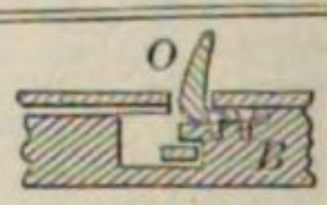


59248—D. N. Minor—*Barn Door Fastening.*

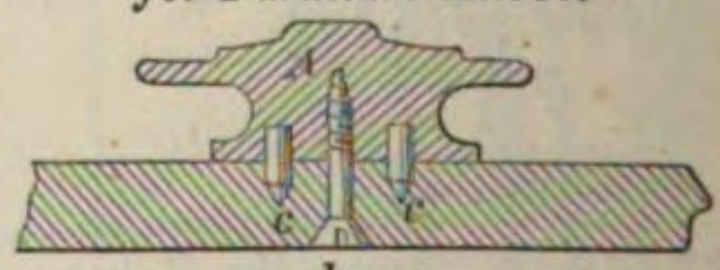


59252—W. Nichols—*Steam Piston Valve.*

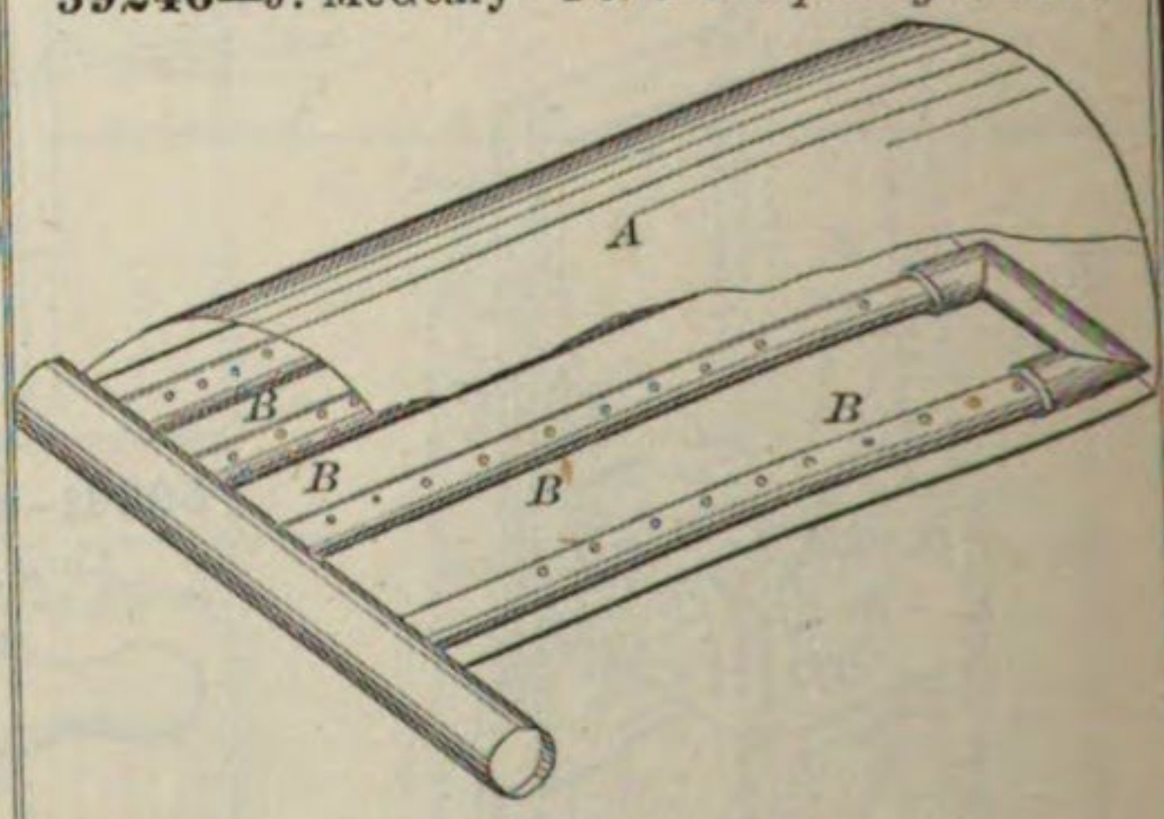




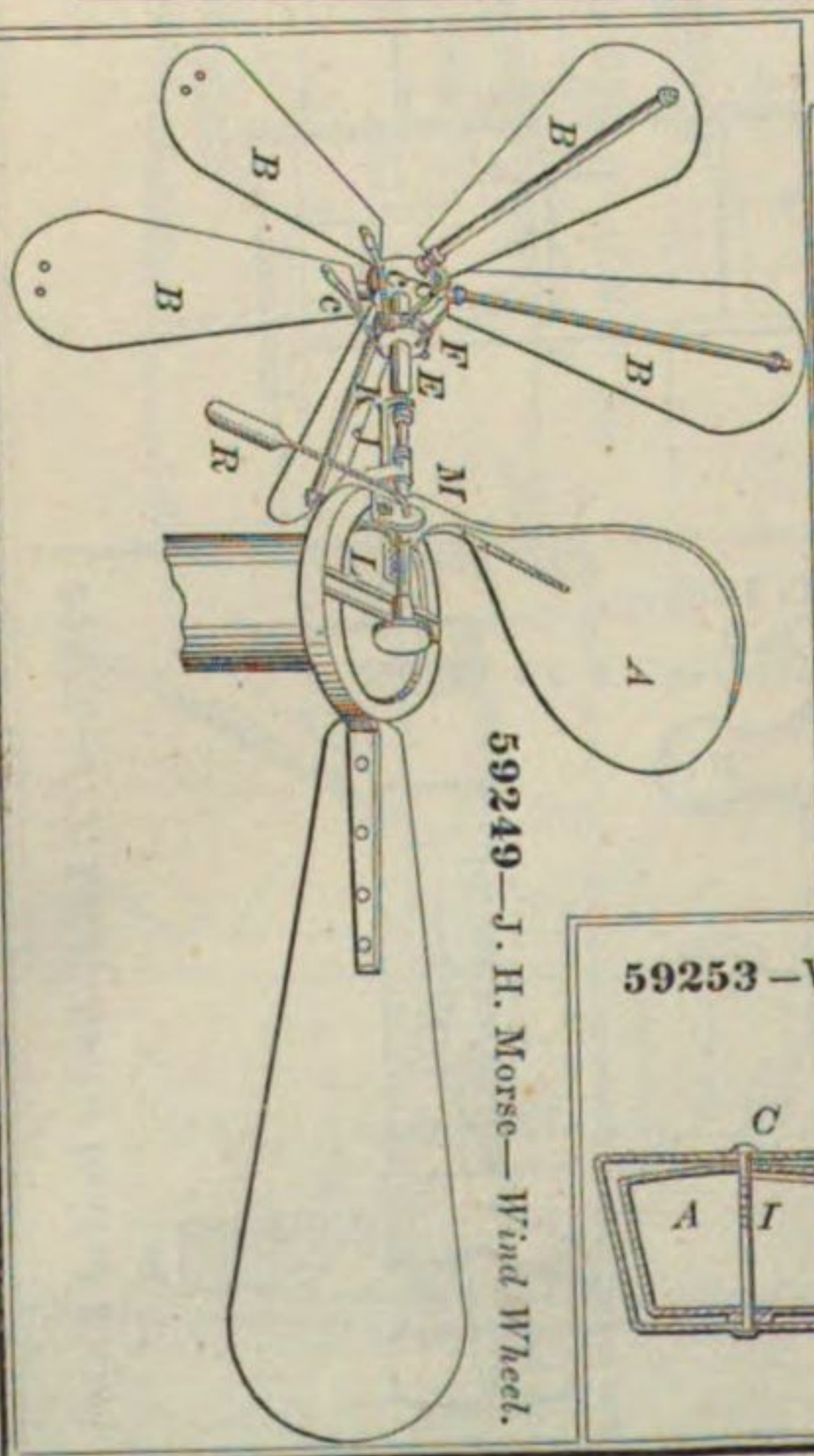
59250—L. B. Myers—*Fastening for Furniture Knobs.*



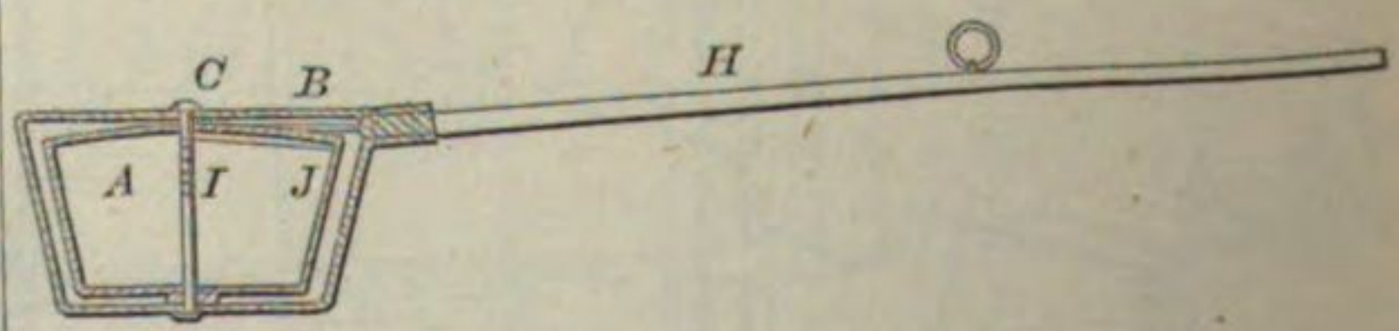
59246—J. McGeary—*For Decomposing Steam.*



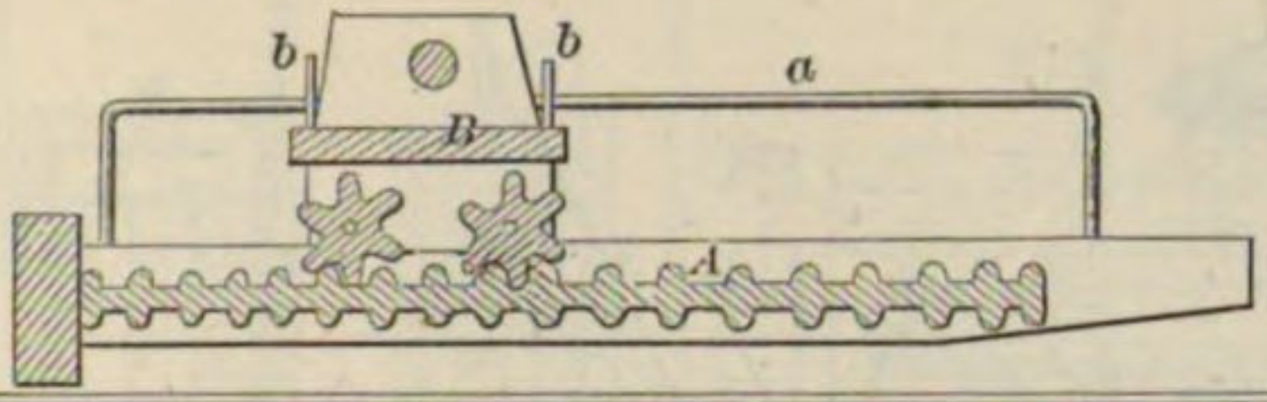
59249—J. H. Morse—*Wind Wheel.*



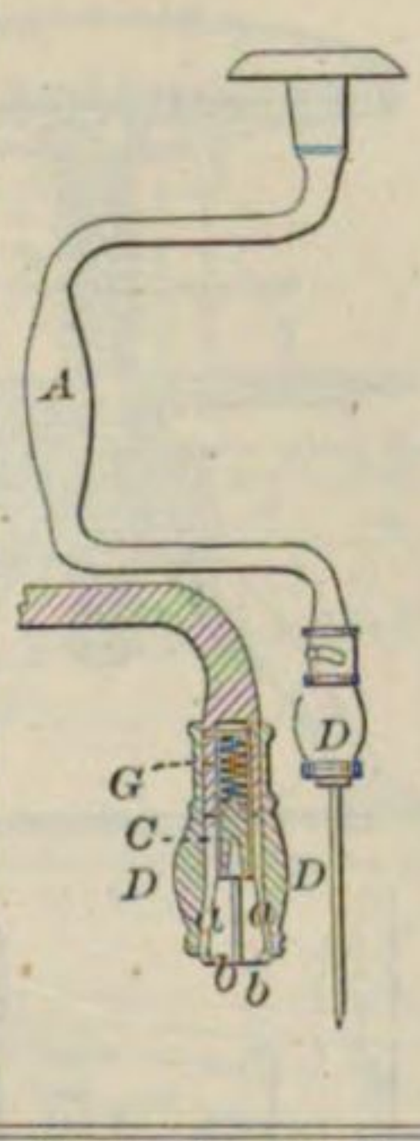
59253—W. W. S. Orbeton—*Corn Popper.*



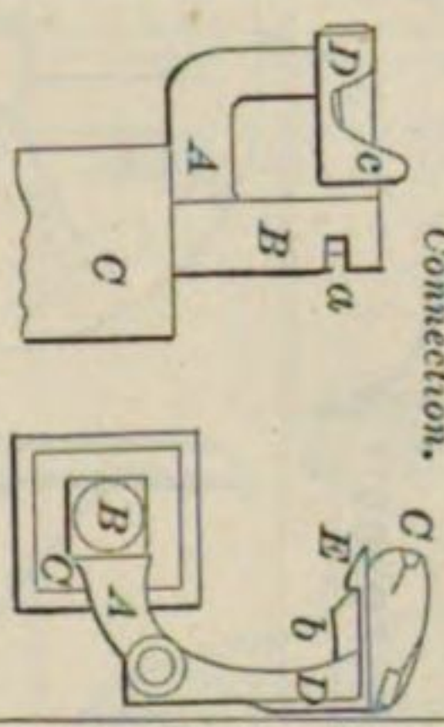
59257—S. Peck—*Wash Board Rubber Attachment.*



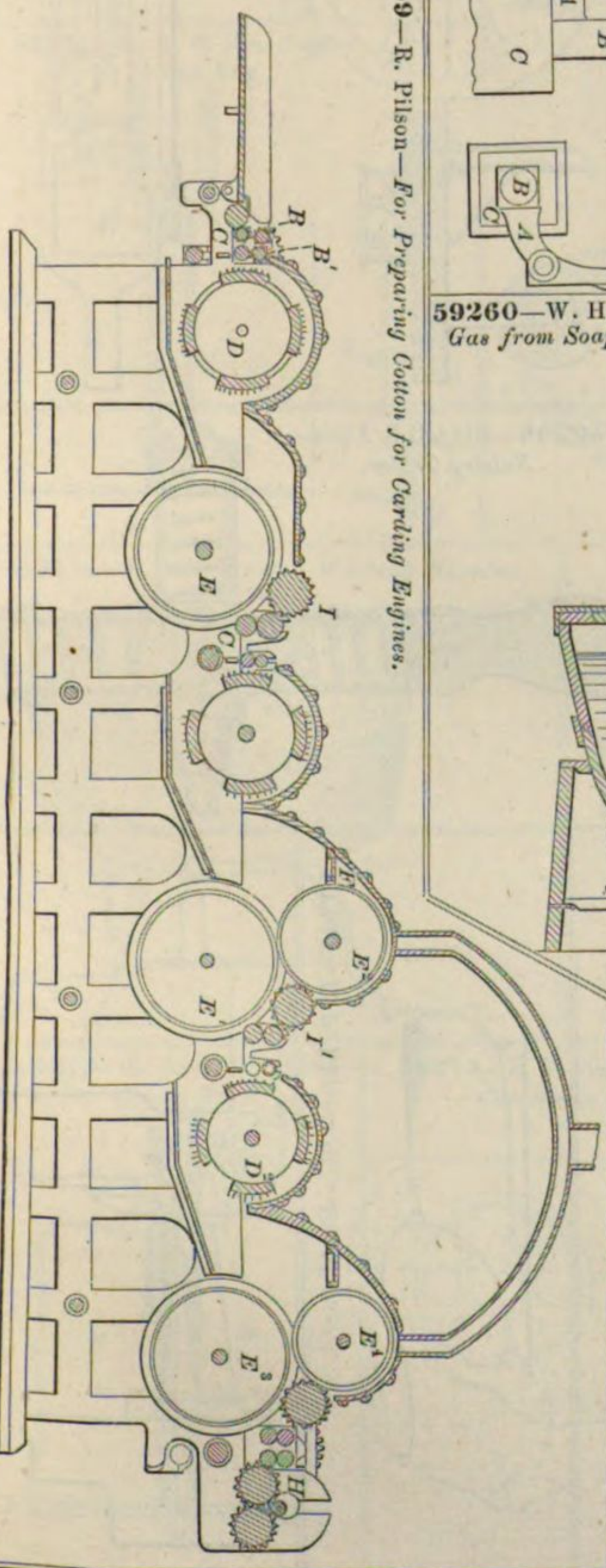
59254—W. W. S. Orbeton—*Bit Stock.*



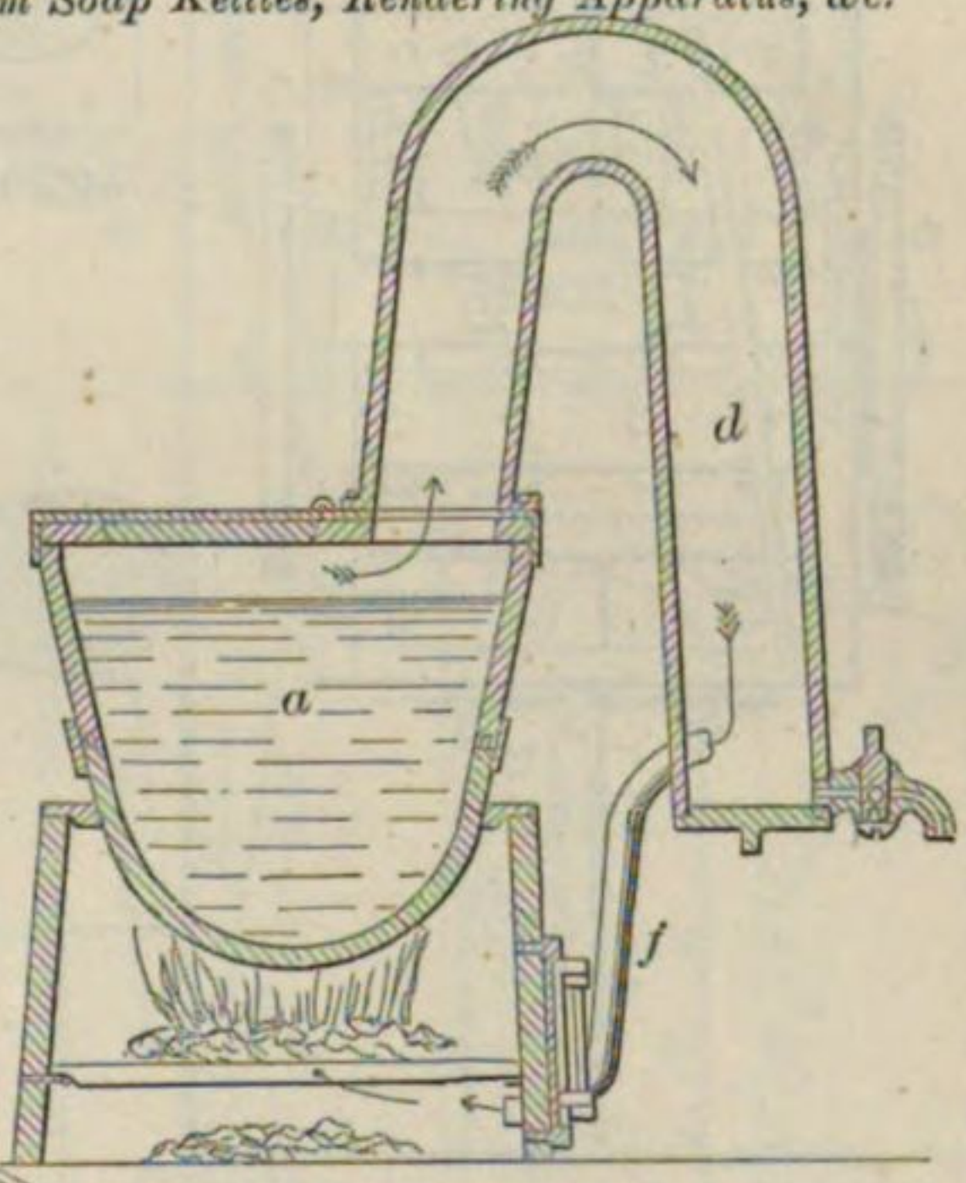
59258—J. E. Peirce—*Trace Connection.*



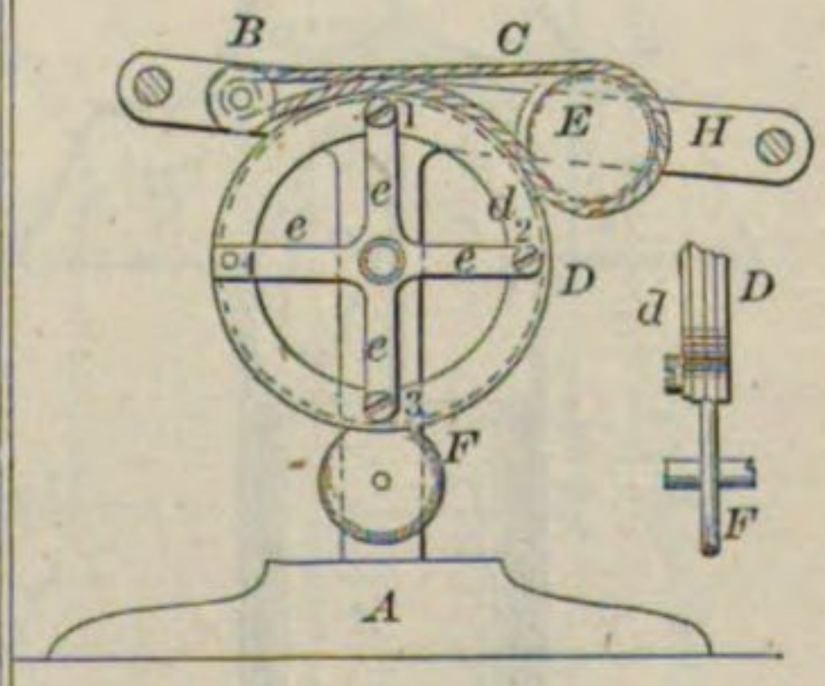
59259—R. Pilson—*For Preparing Cotton for Carding Engines.*



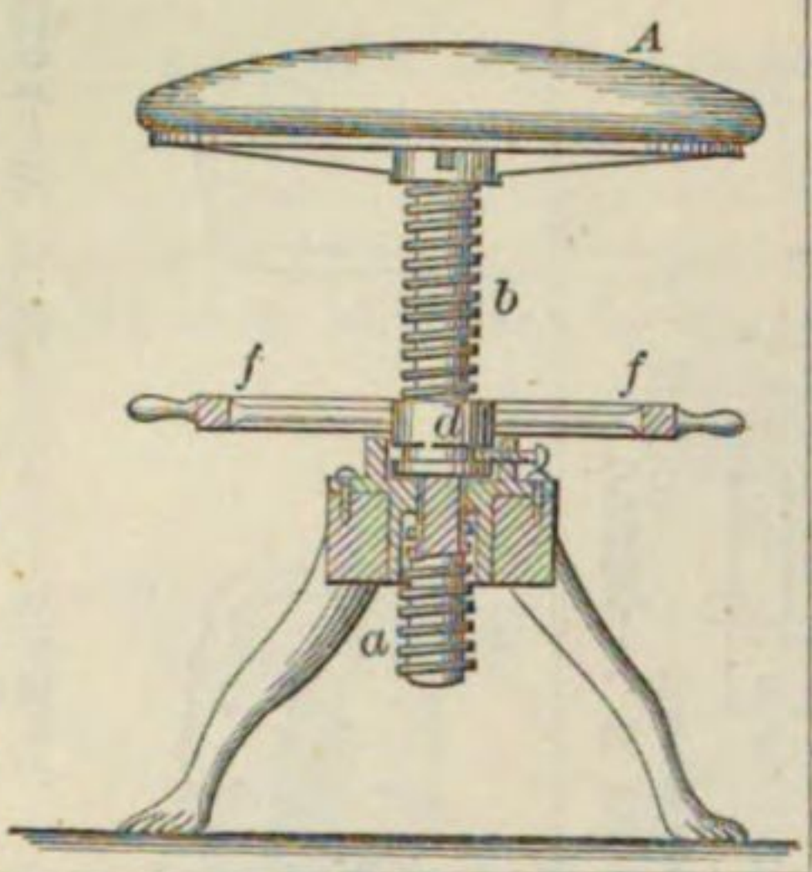
59260—W. H. Pinner—*For Preventing the Escape of Gas from Soap Kettles, Rendering Apparatus, &c.*



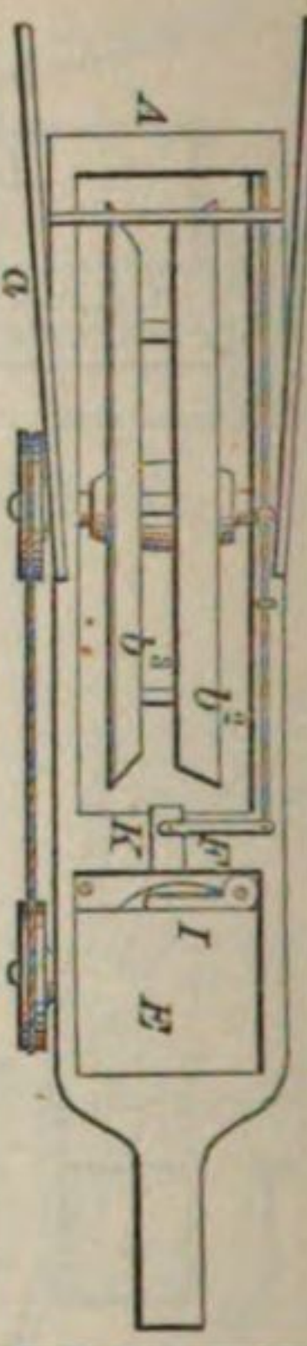
59256—R. W. Parker—*Pulley.*

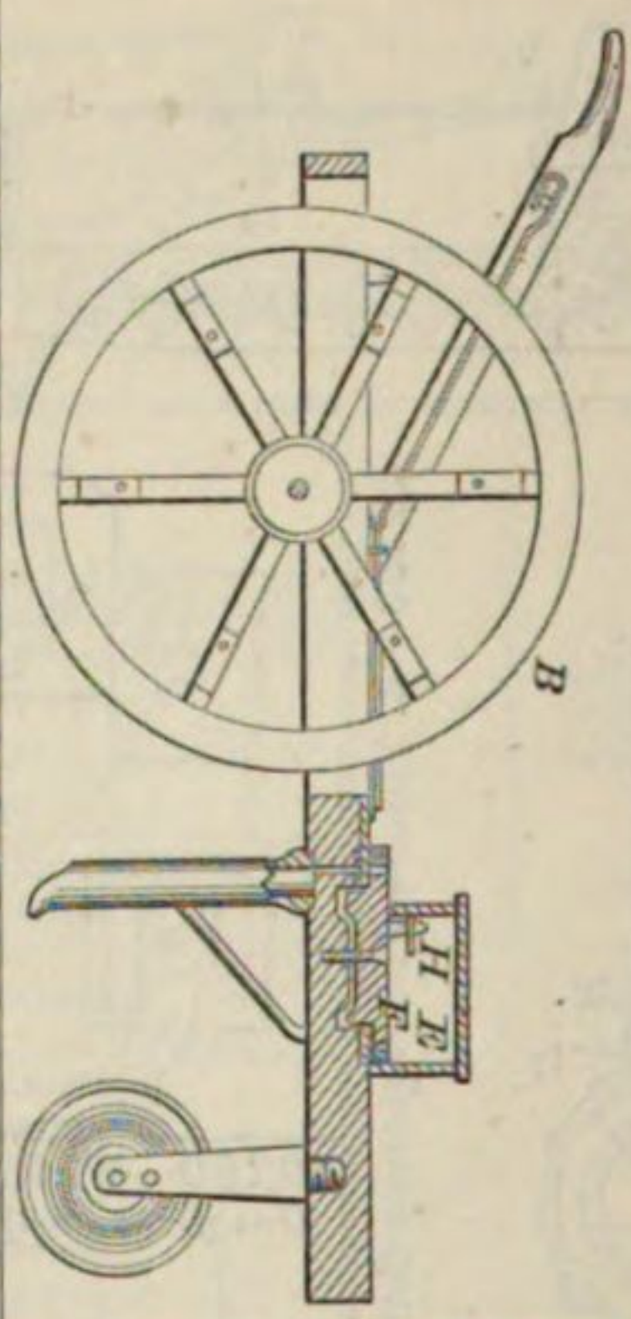


59261—L. Postawka—*Piano Seat.*

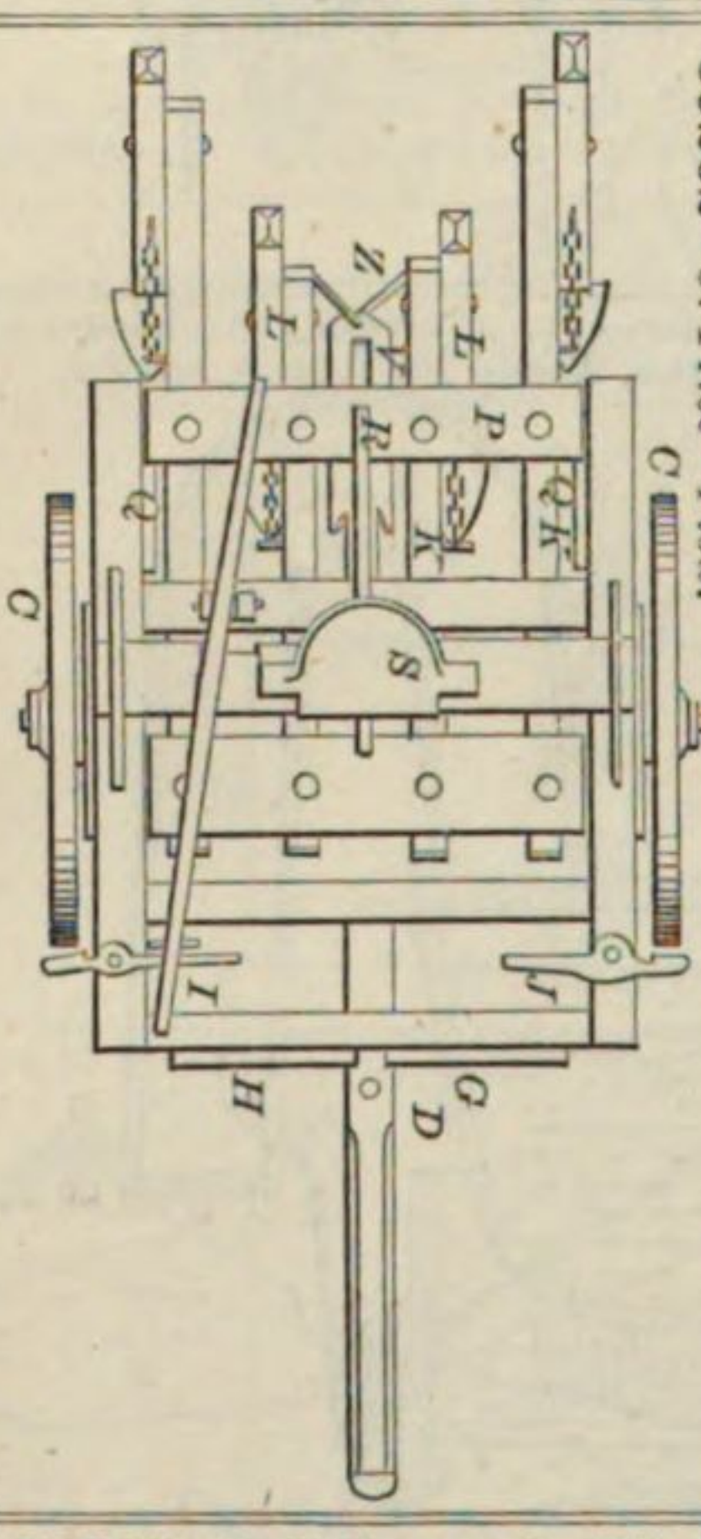


59263—T. D. Price—*Seed Drill.*

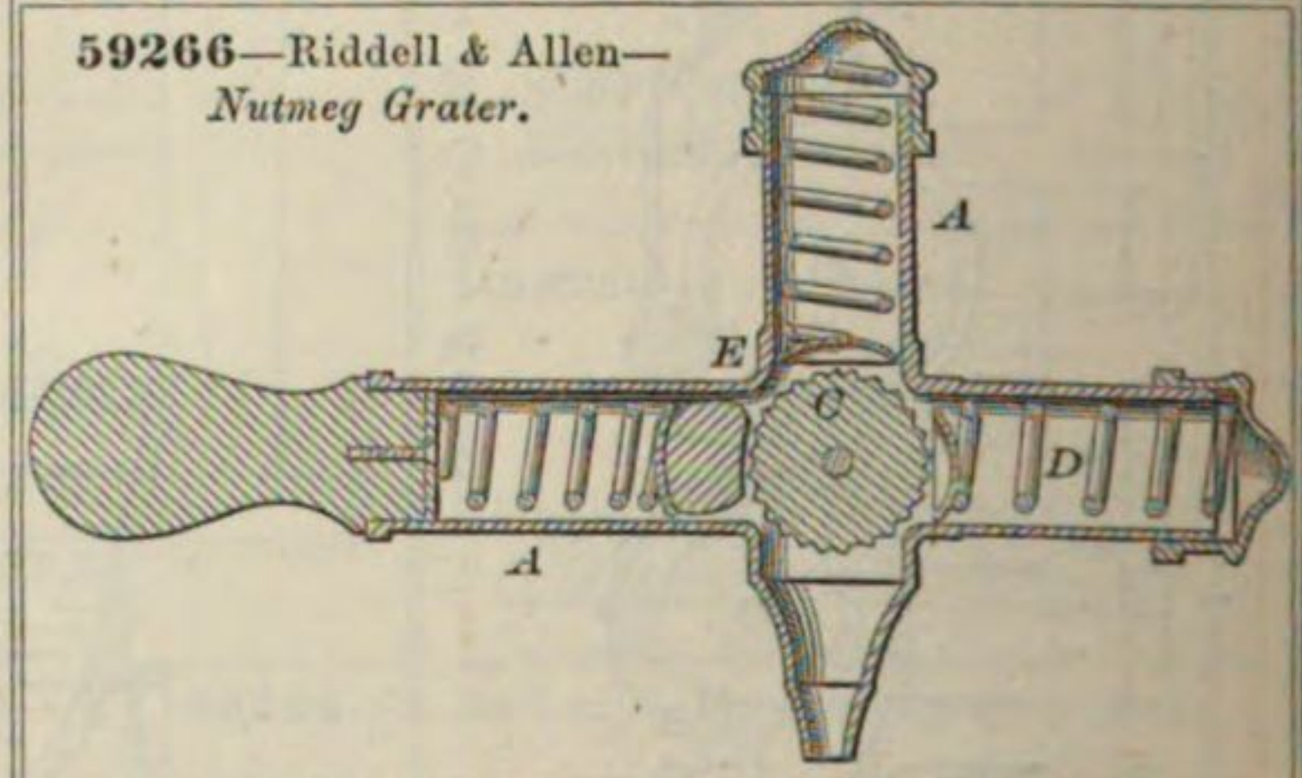




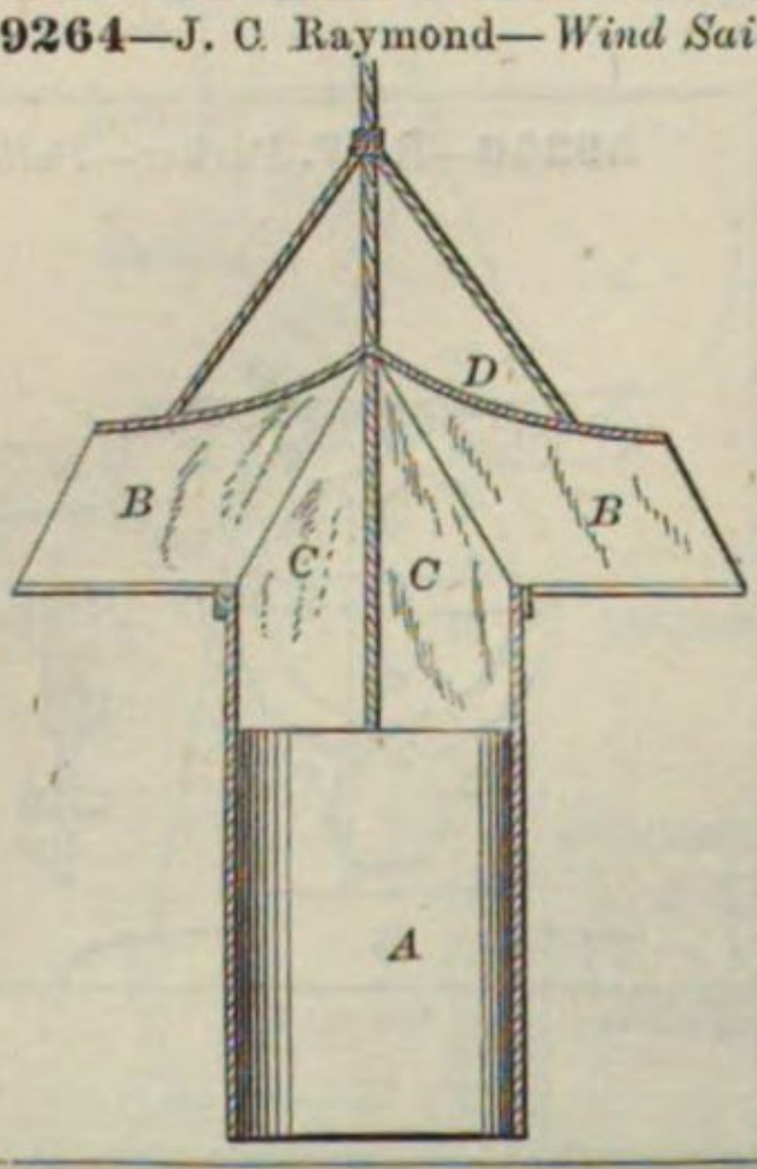
59262—J. Price—*Plow.*



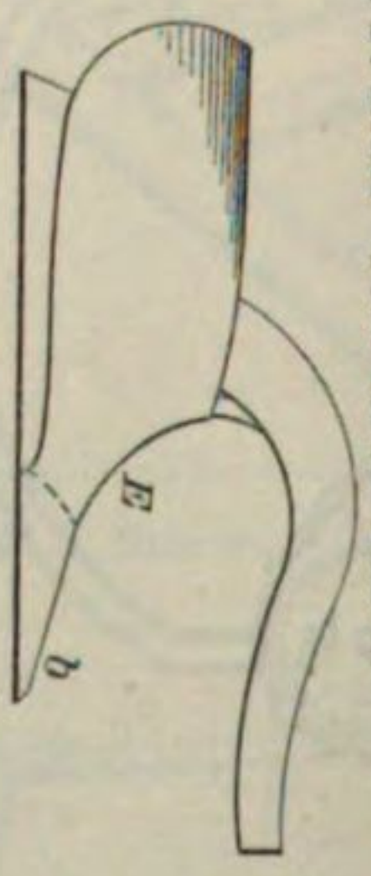
59266—Riddell & Allen—*Nutmeg Grater.*



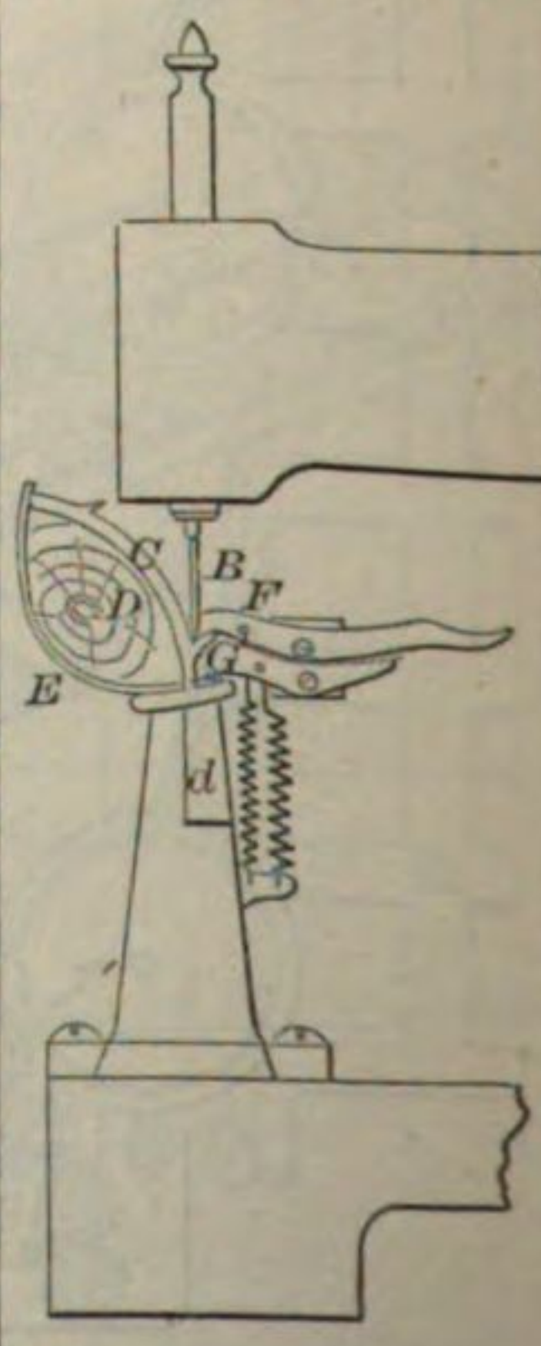
59264—J. C. Raymond—*Wind Sail.*



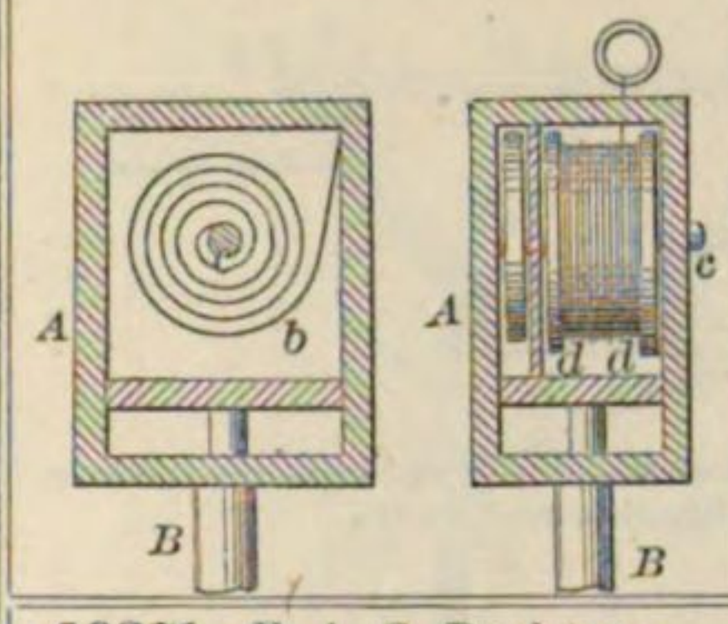
59267—L. P. Rider—*Plow Mould Board.*



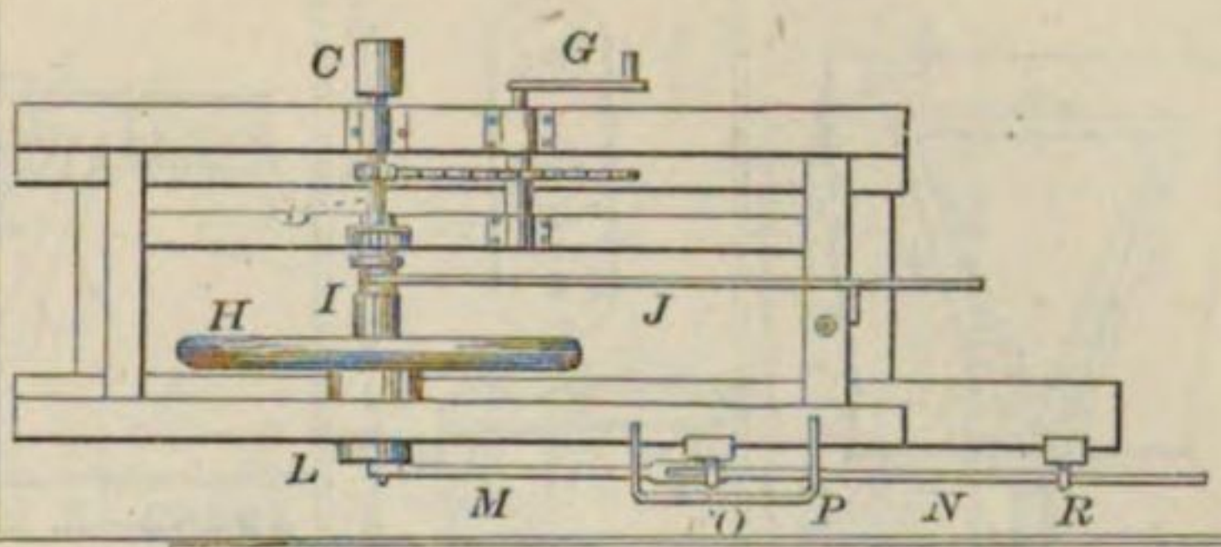
59265—E. P. Richardson—*Sewing Machine.*



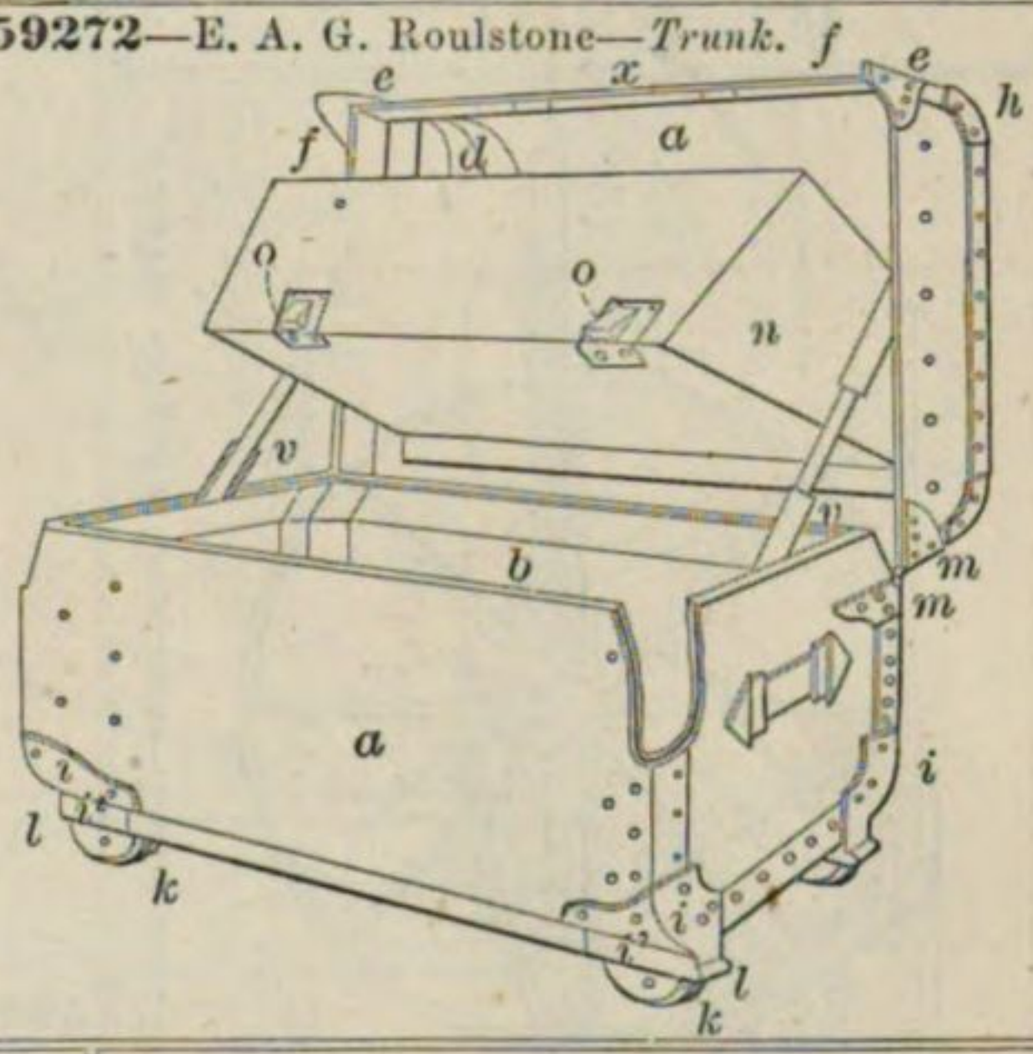
59268—J. H. Rose—*Chalk Line Winder.*



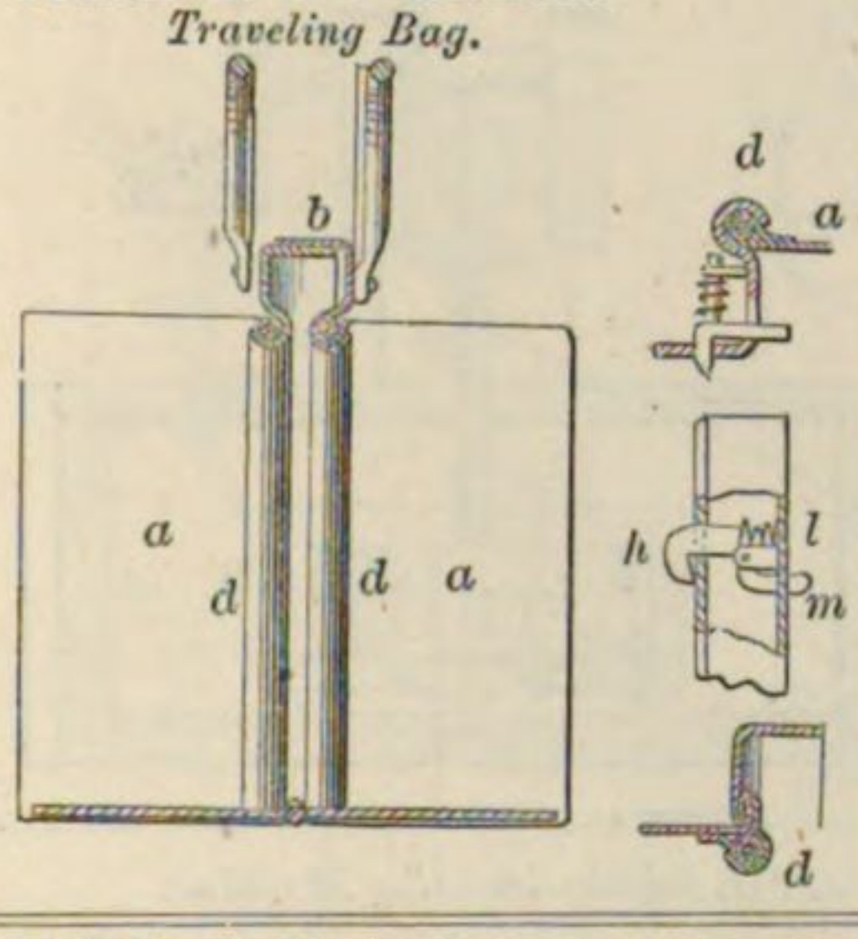
59275—C. W. Sappenfield—*Sawing Machine.*



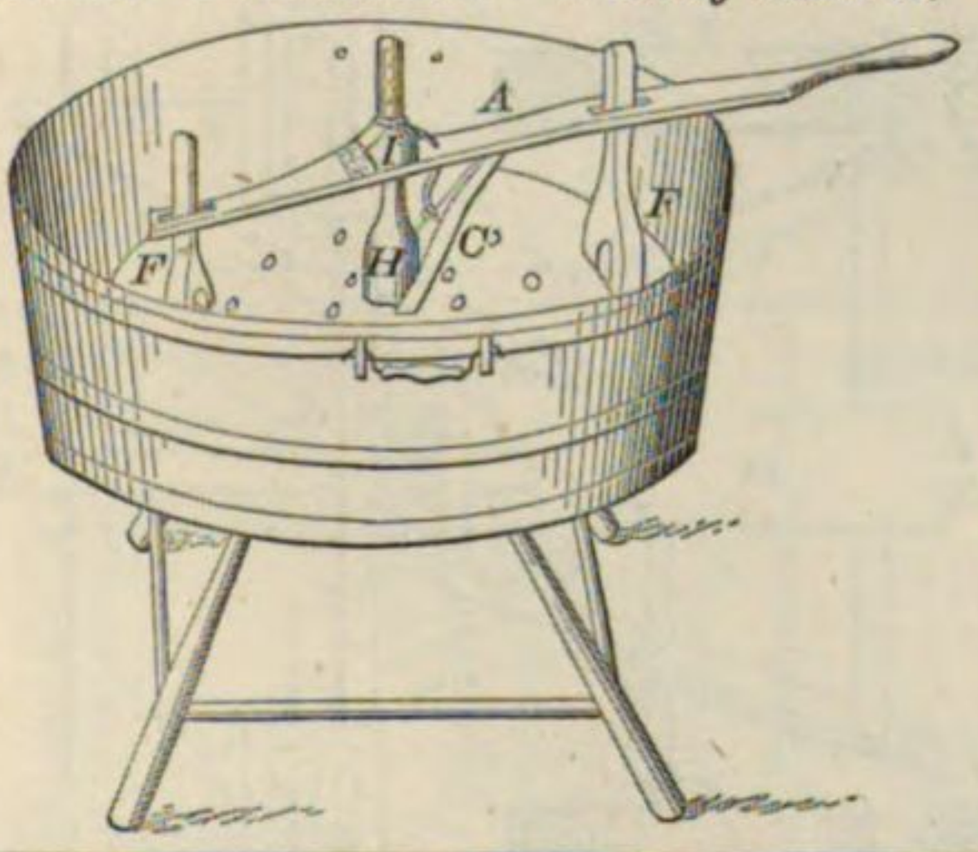
59272—E. A. G. Roulstone—*Trunk.*



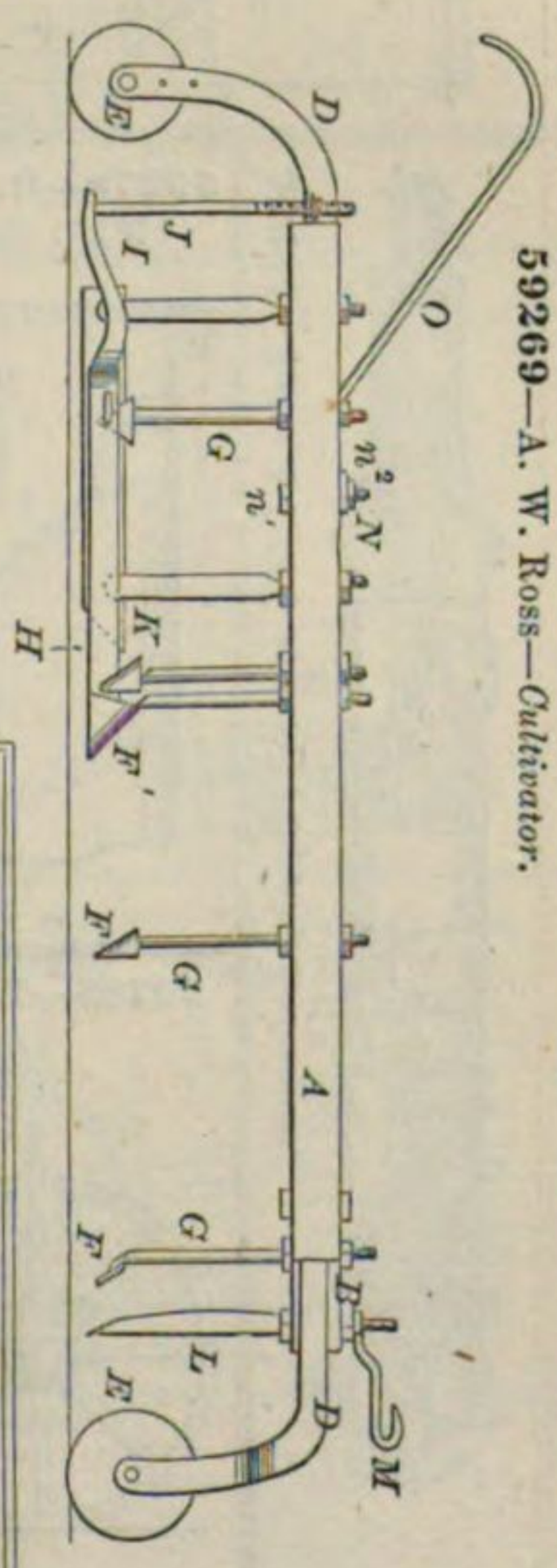
59271—E. A. G. Roulstone—*Traveling Bag.*



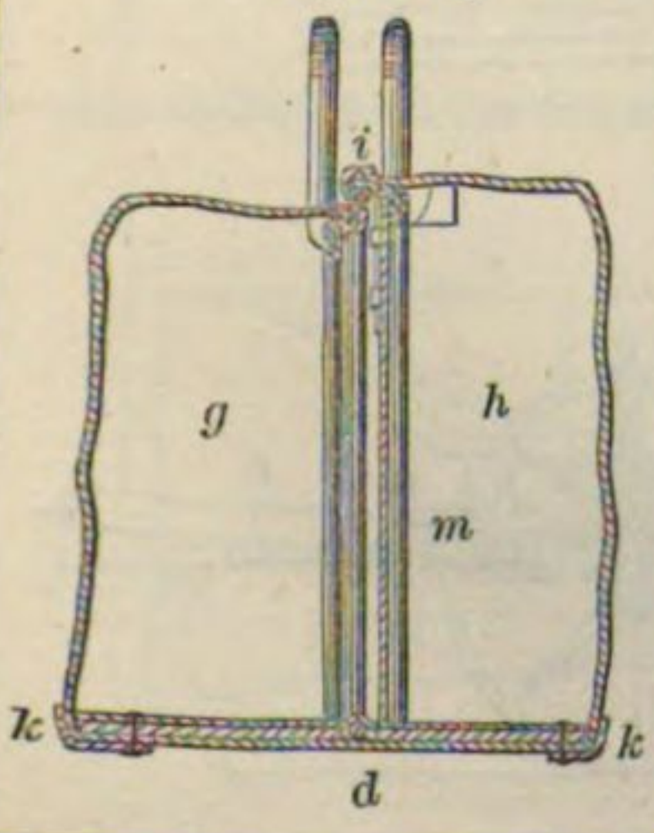
59274—N. M. Sanford—*Washing Machine.*



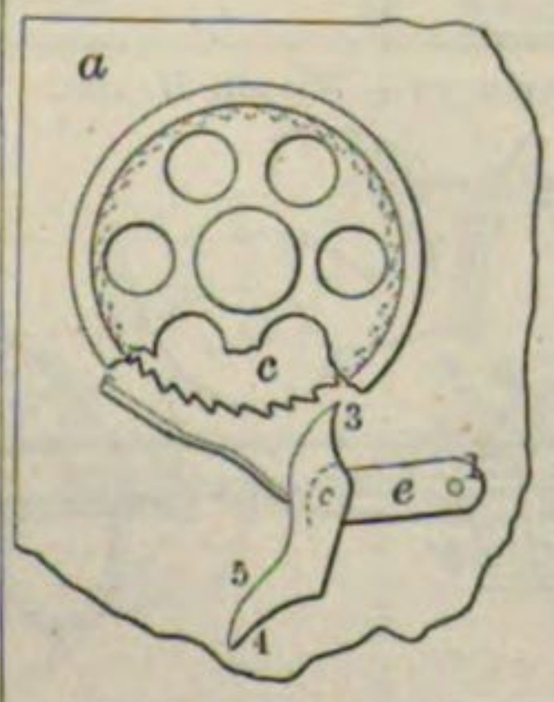
59269—A. W. Ross—*Cultivator.*



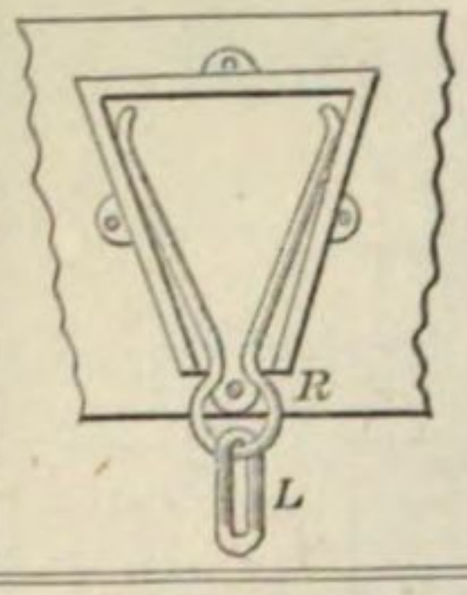
59270—E. A. G. Roulstone—*Carpet Bag.*



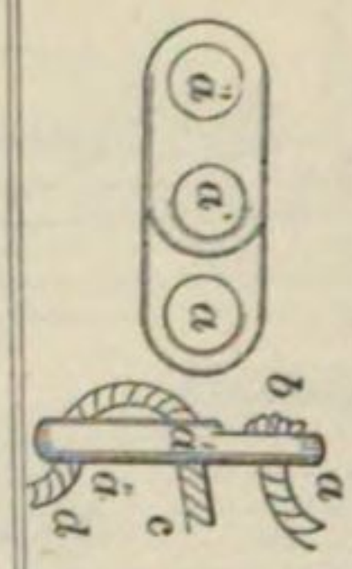
59273—L. D. Rundell—*Car Brake.*



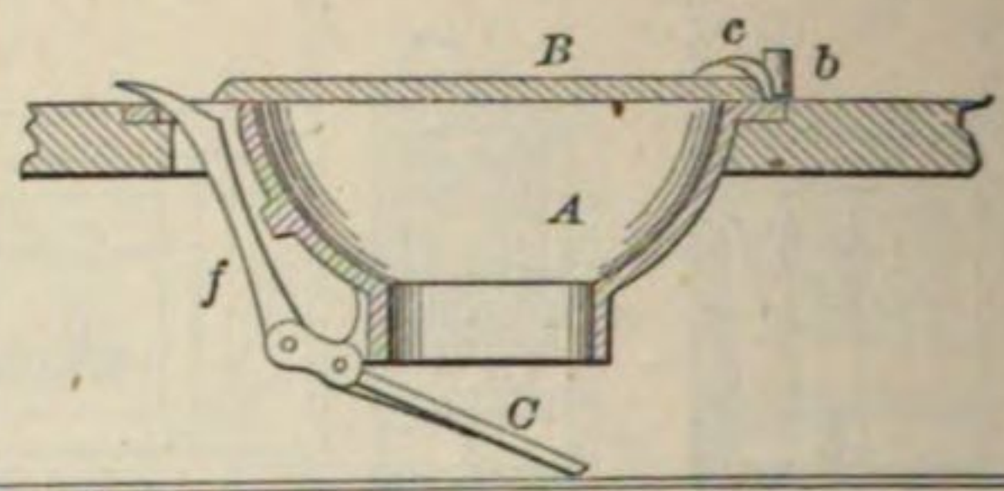
59276—C. H. Sawyer—*Hitching Device.*



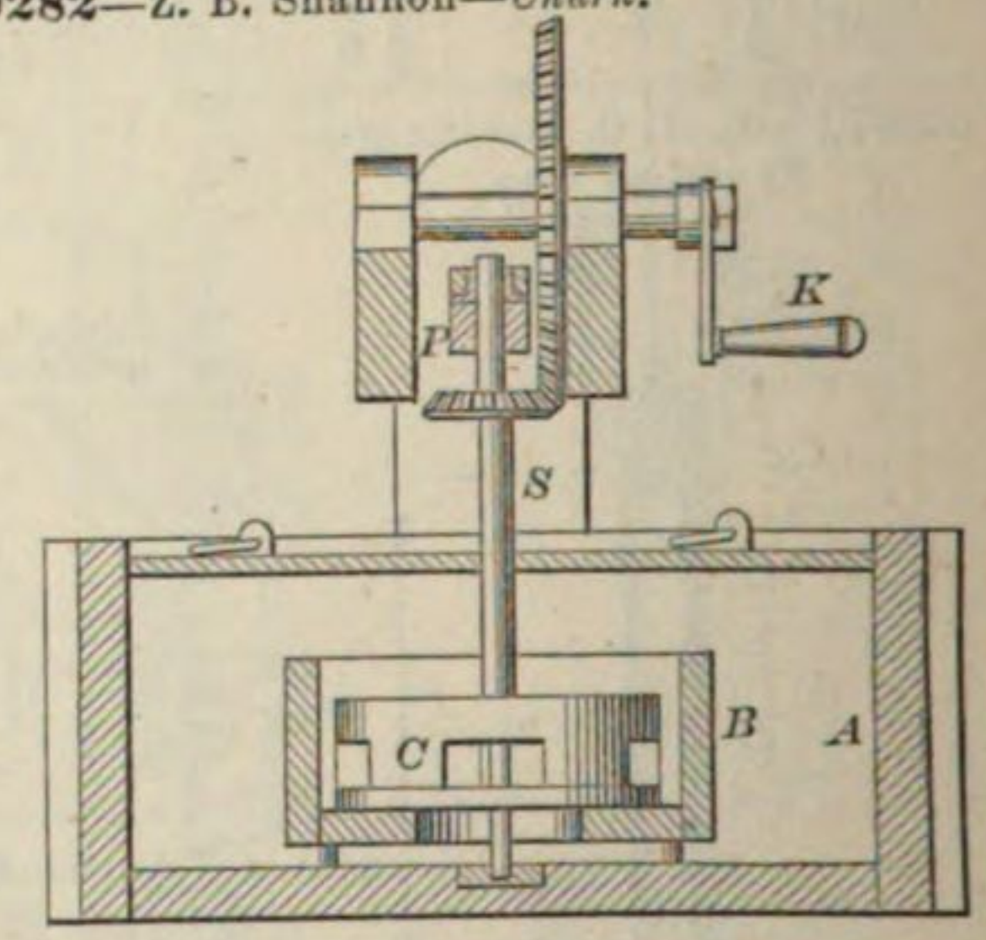
59277—C. H. Sawyer—*Halter.*



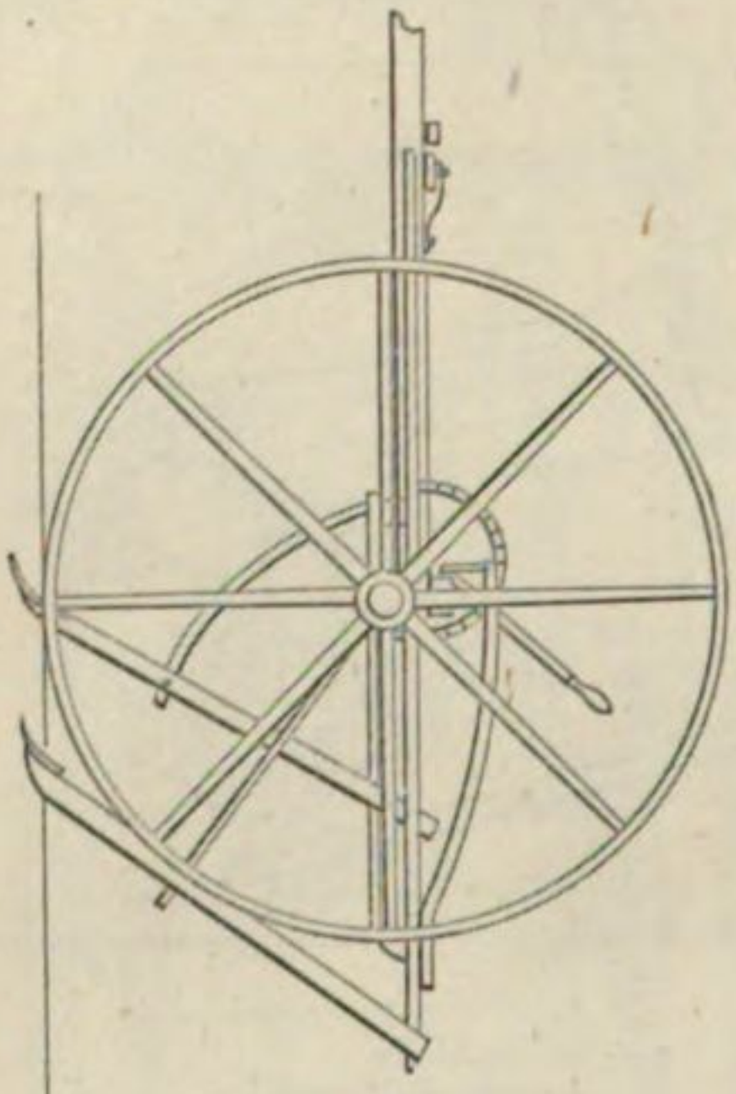
59280—J. H. Seymour—*Railroad Car Spittoon.*



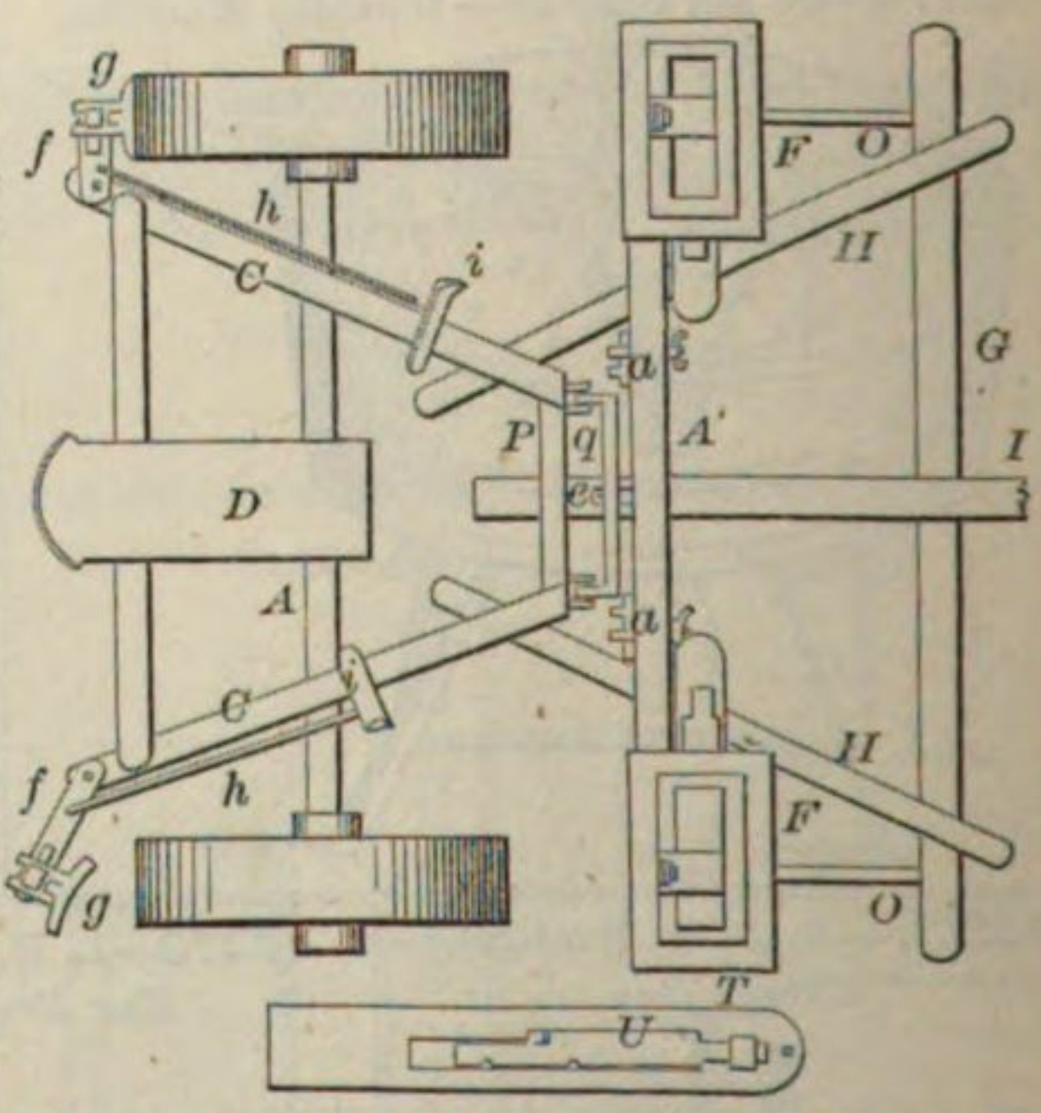
59282—Z. B. Shannon—*Churn.*



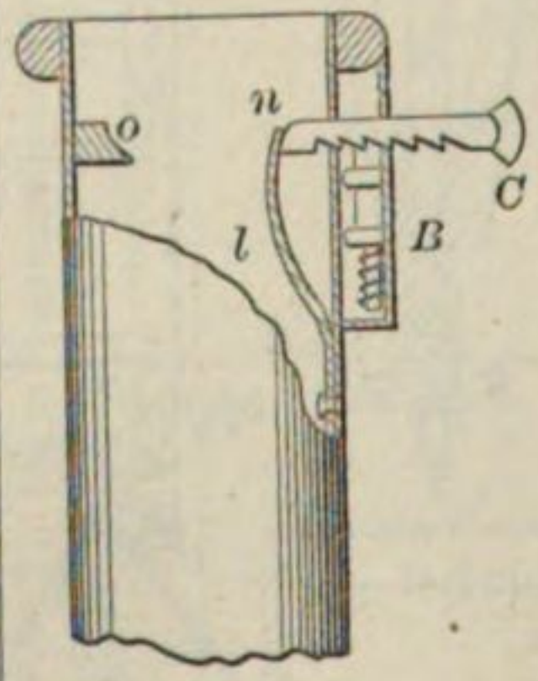
59279—Seger & Ormiston—*Cultivator.*



59283—J. D. Smith—*Seeding Machine.*



59278—H. Sayler—*Whip Socket.*



59284—Snow & Lewis—*Dental Plugging Instrument.*

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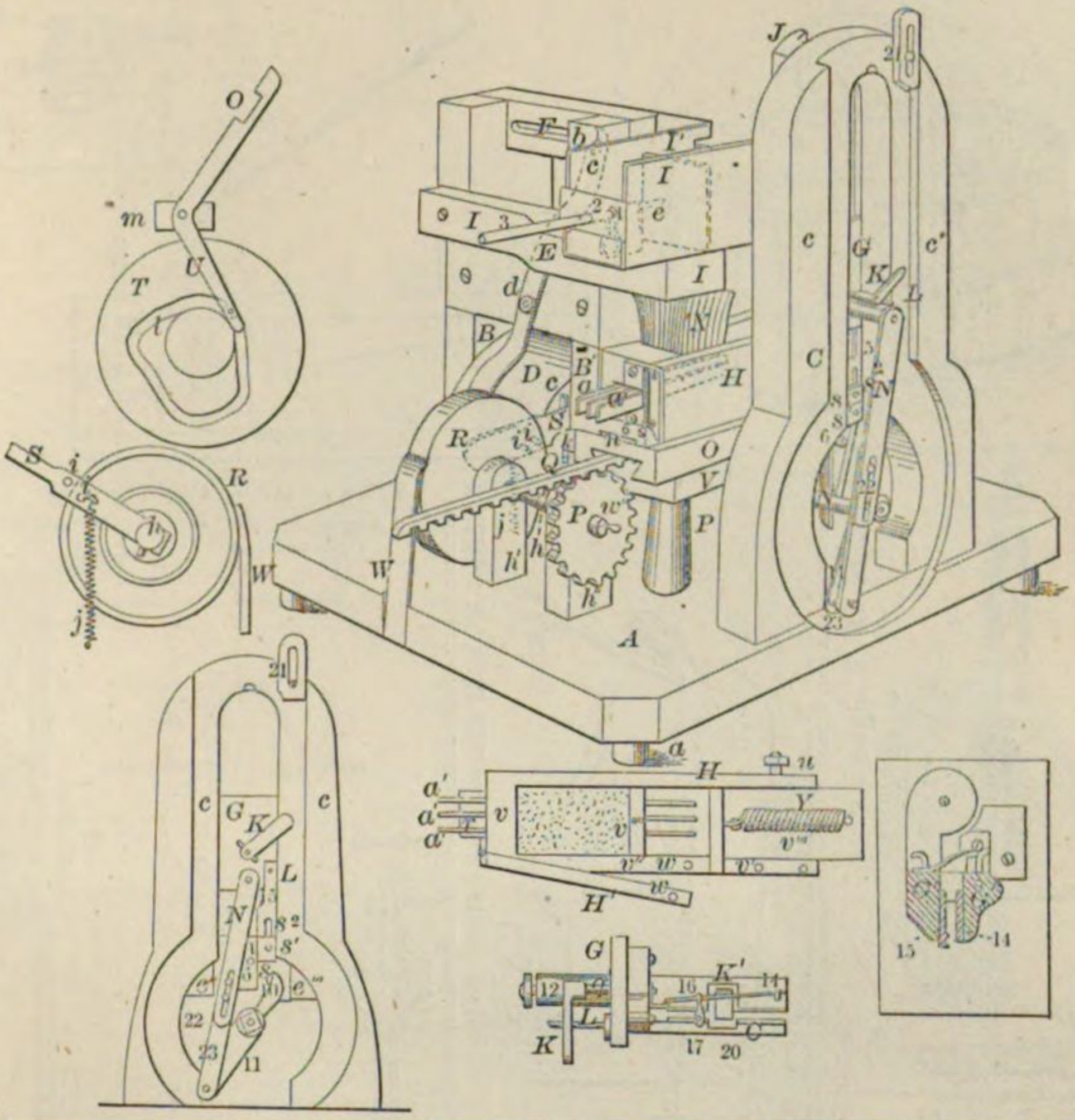
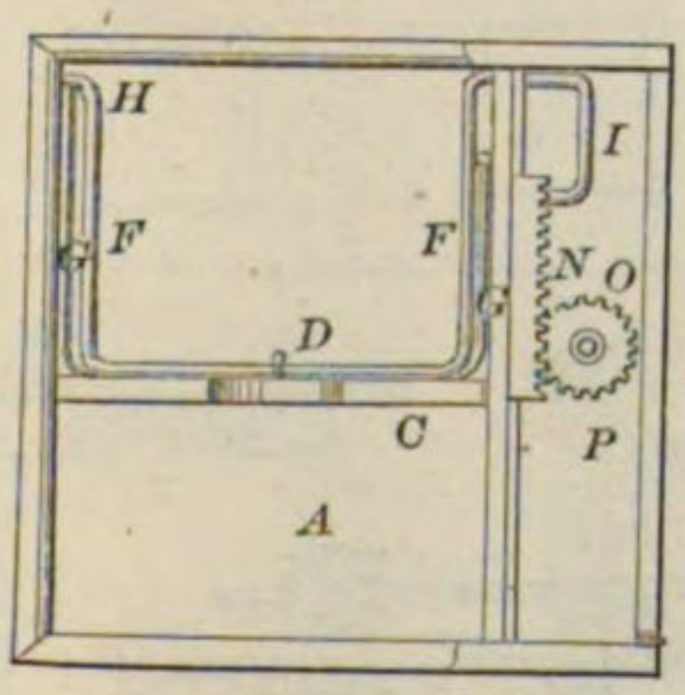
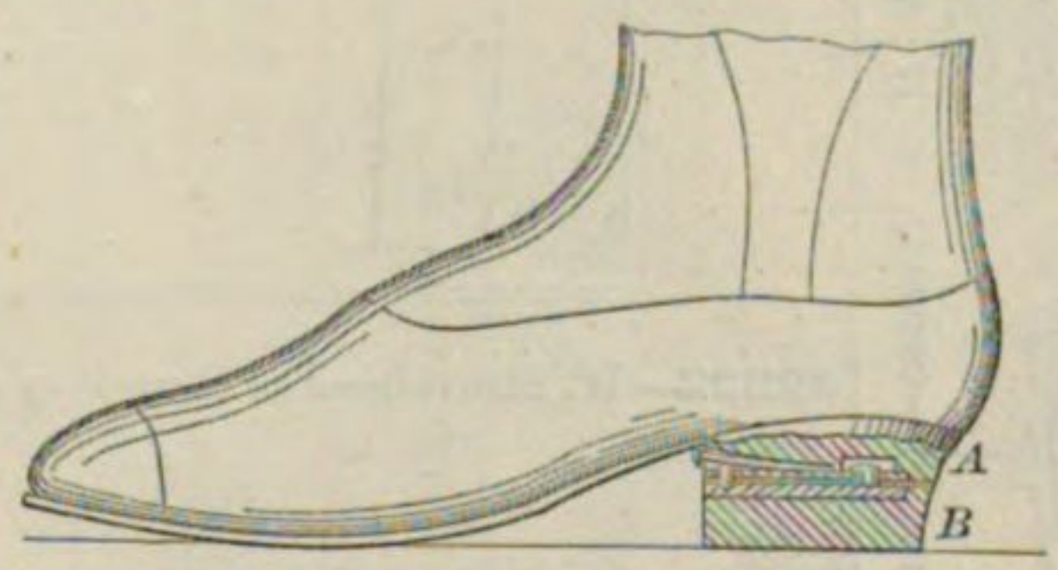
59286—N. H. Spafford—*For Assorting Bristles.*



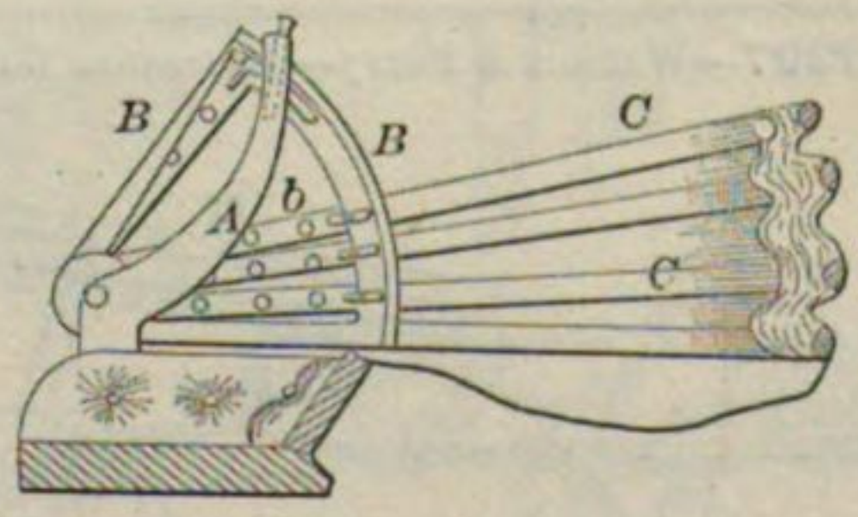
59287—Sterrett & Farrell—*Letter Box File.*



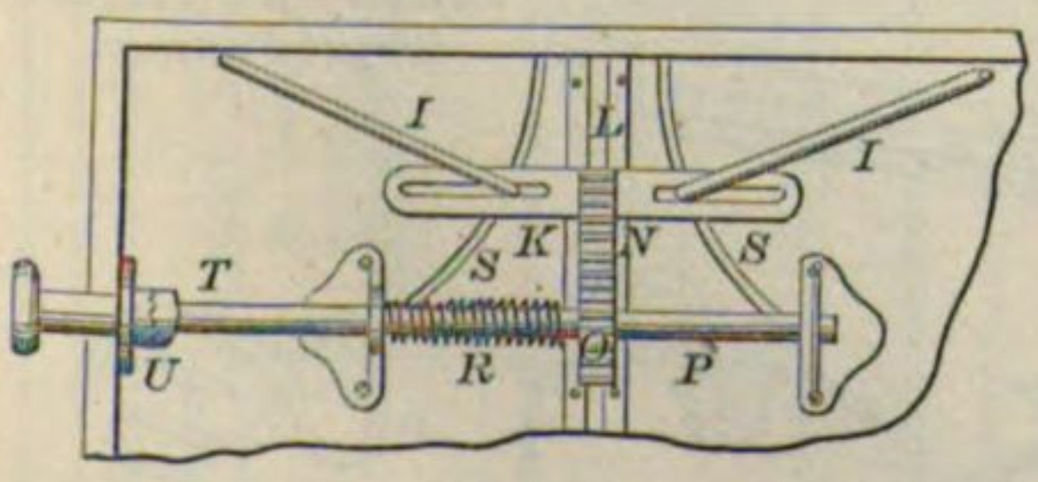
59288—O. Stoddard—*Boots and Shoes.*



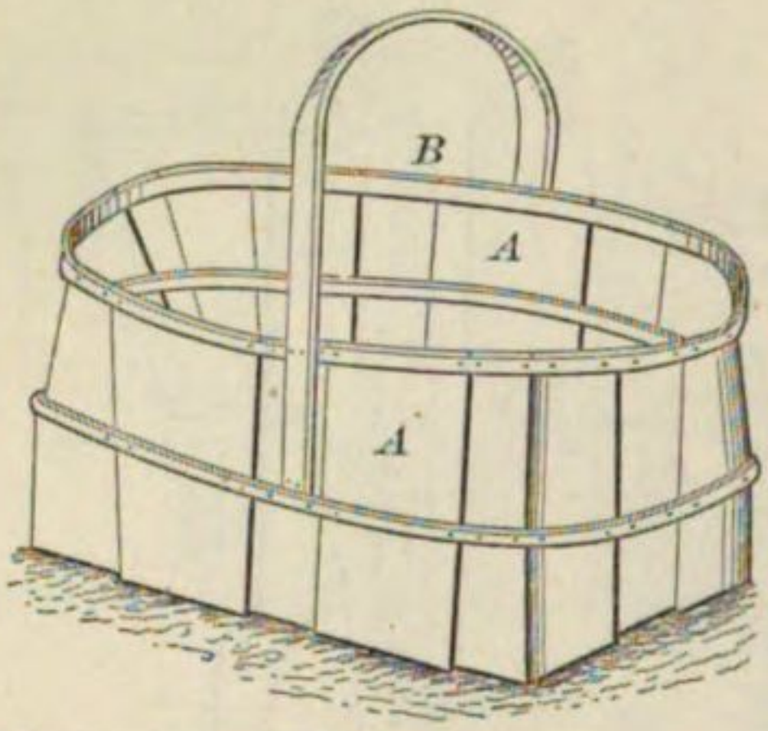
59289—G. Stover—*For Raising and Lowering Carriage Tops.*



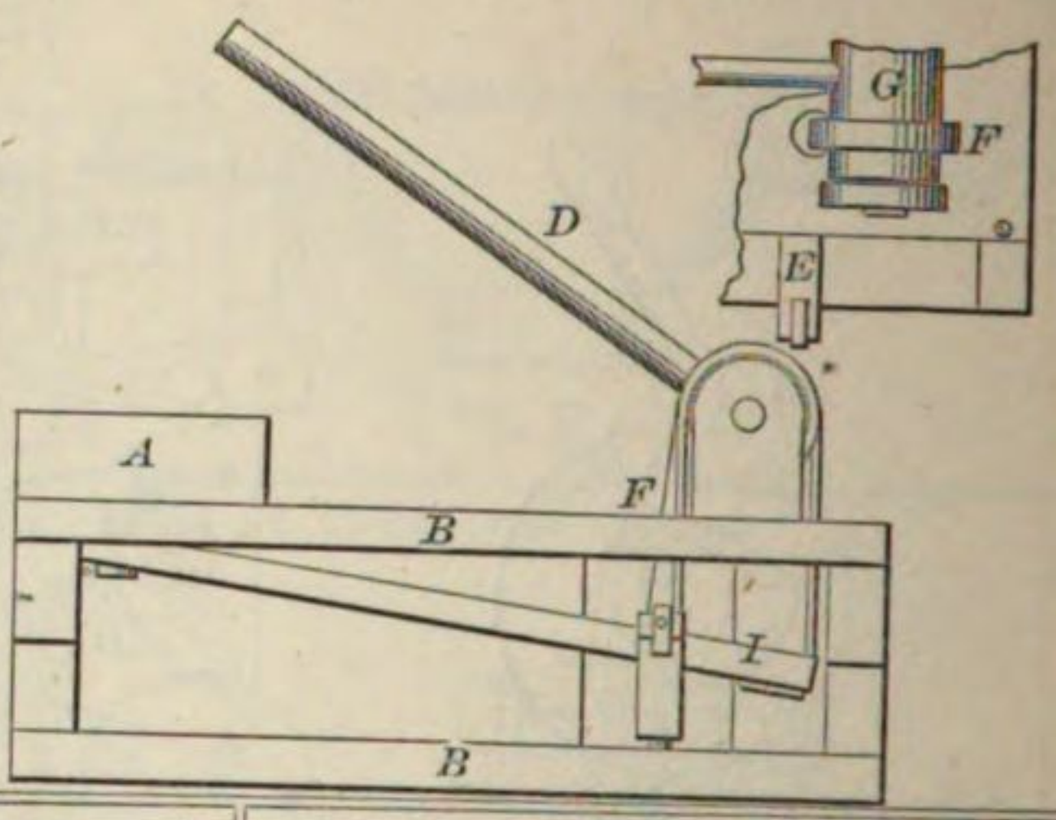
59287—Sterrett & Farrell—*Letter Box File.*



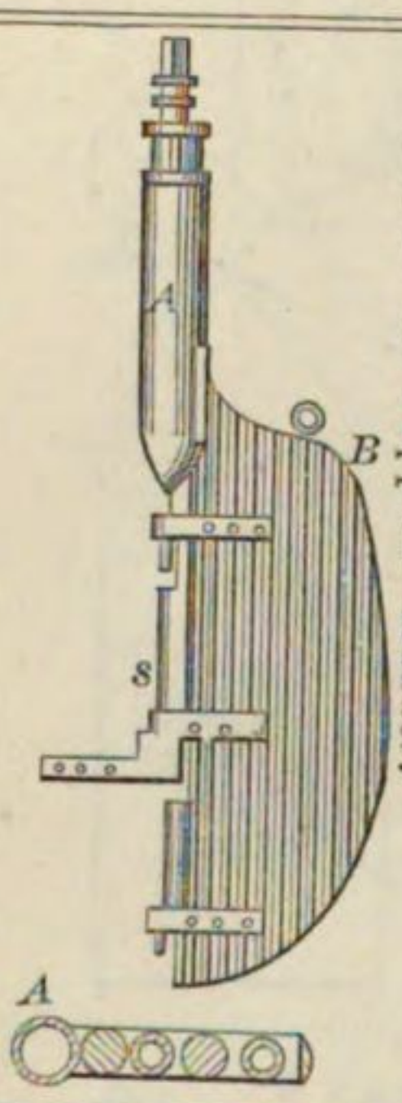
59290—M. L. & O. A. Stray—*Fruit Basket.*



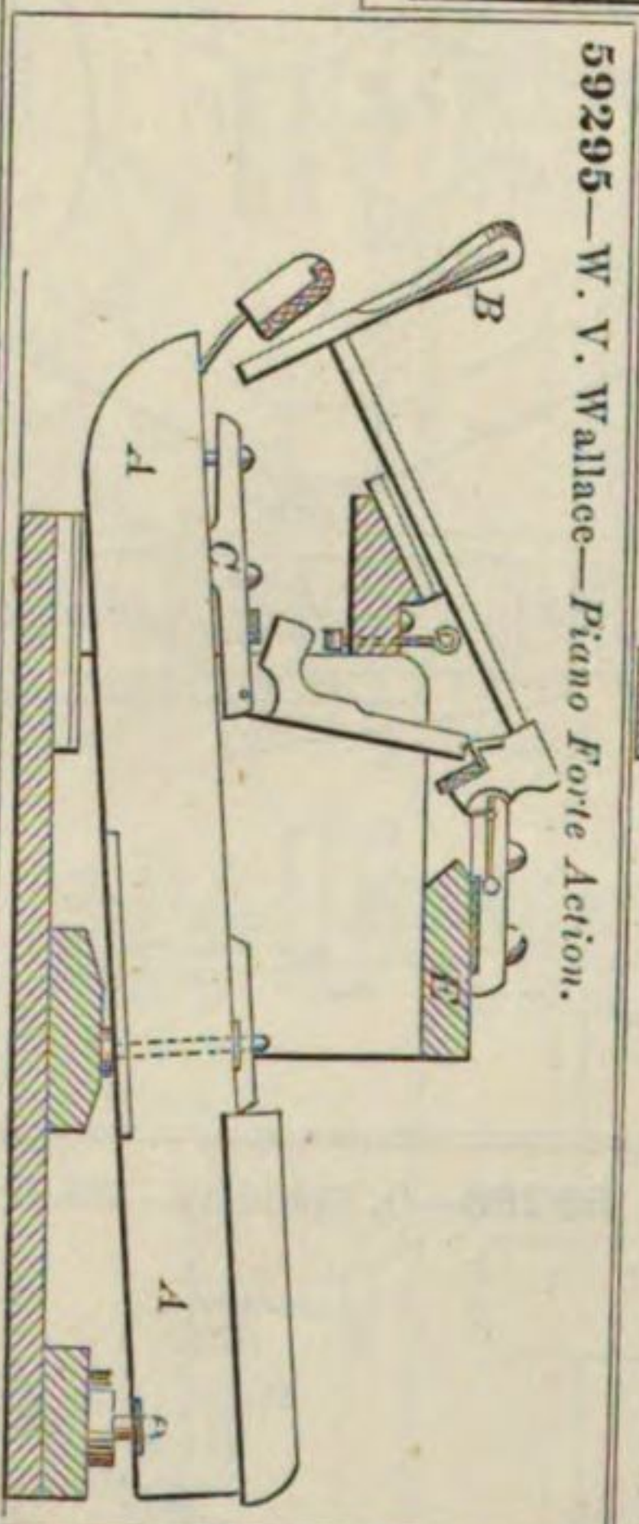
59291—E. D. Street—*Threshing Machine.*



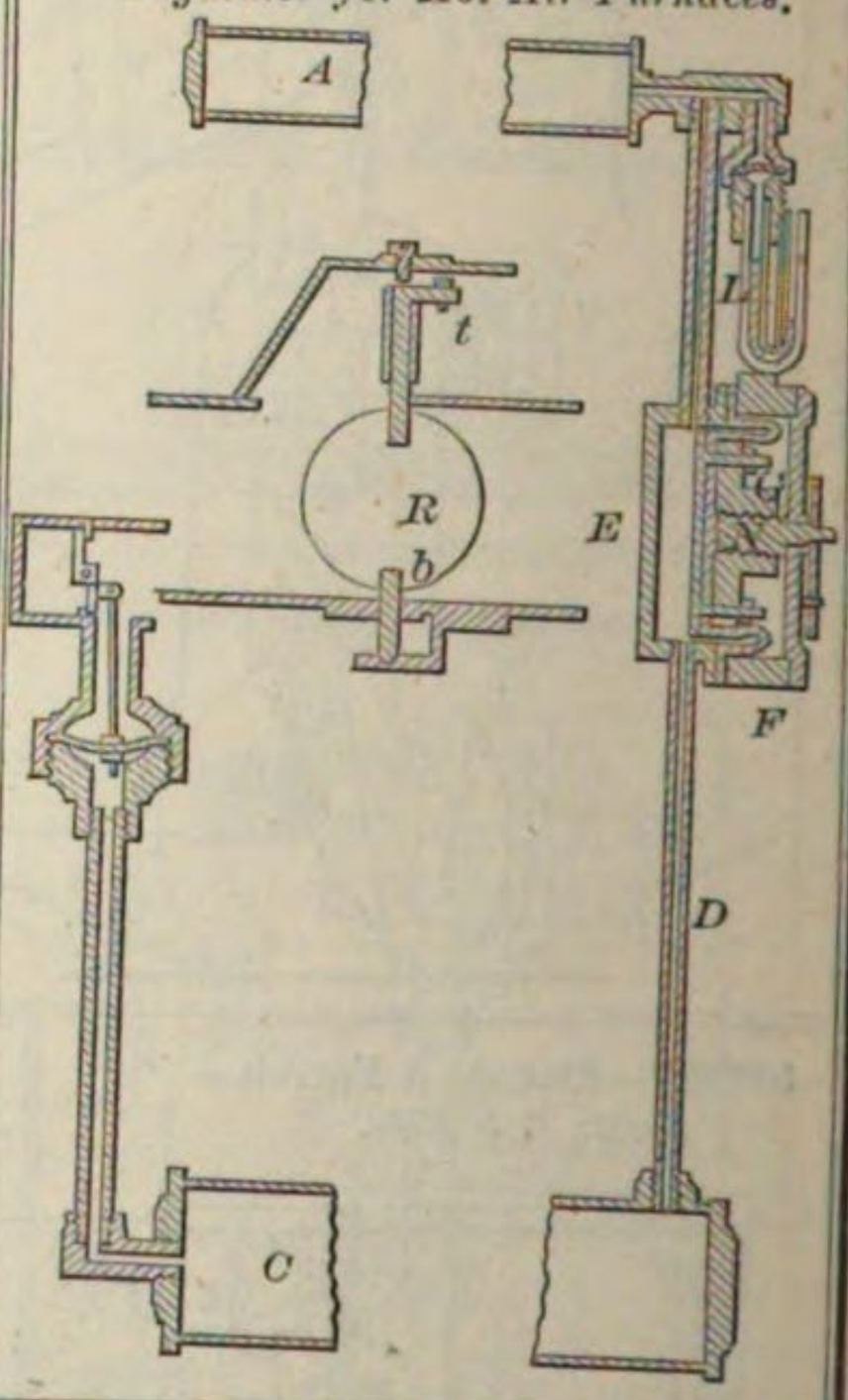
59296—M. Wappich—*Rudder.*



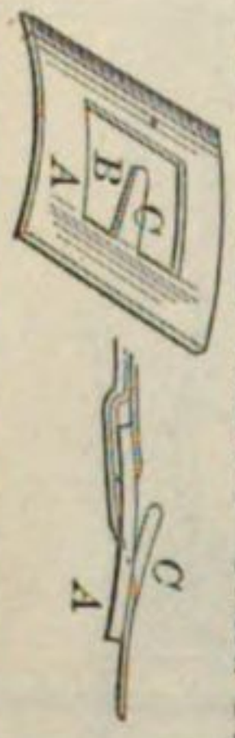
59295—W. V. Wallace—*Piano Forte Action.*



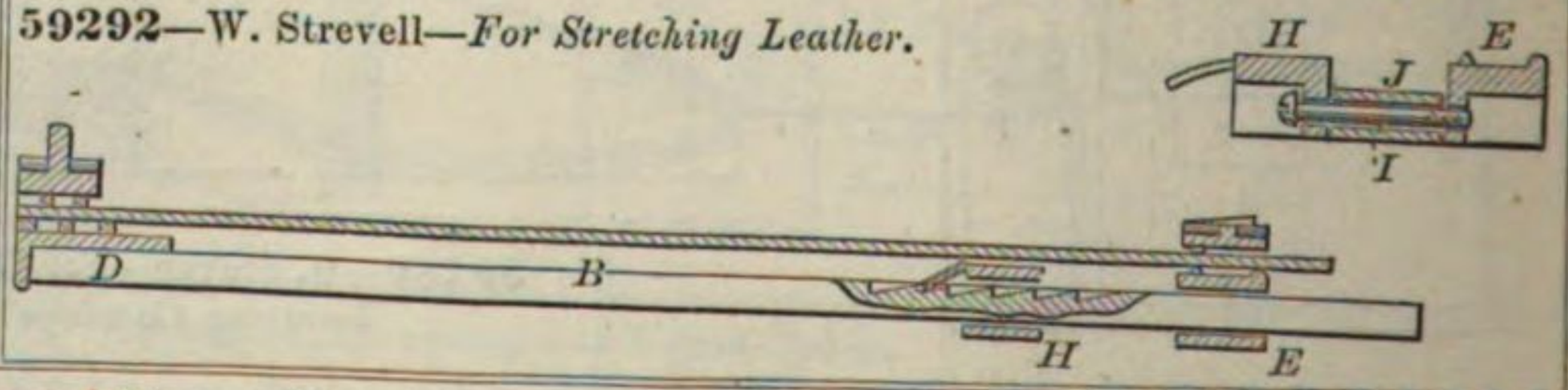
59294—A. H. Tingley—*Heat Regulator for Hot Air Furnaces.*



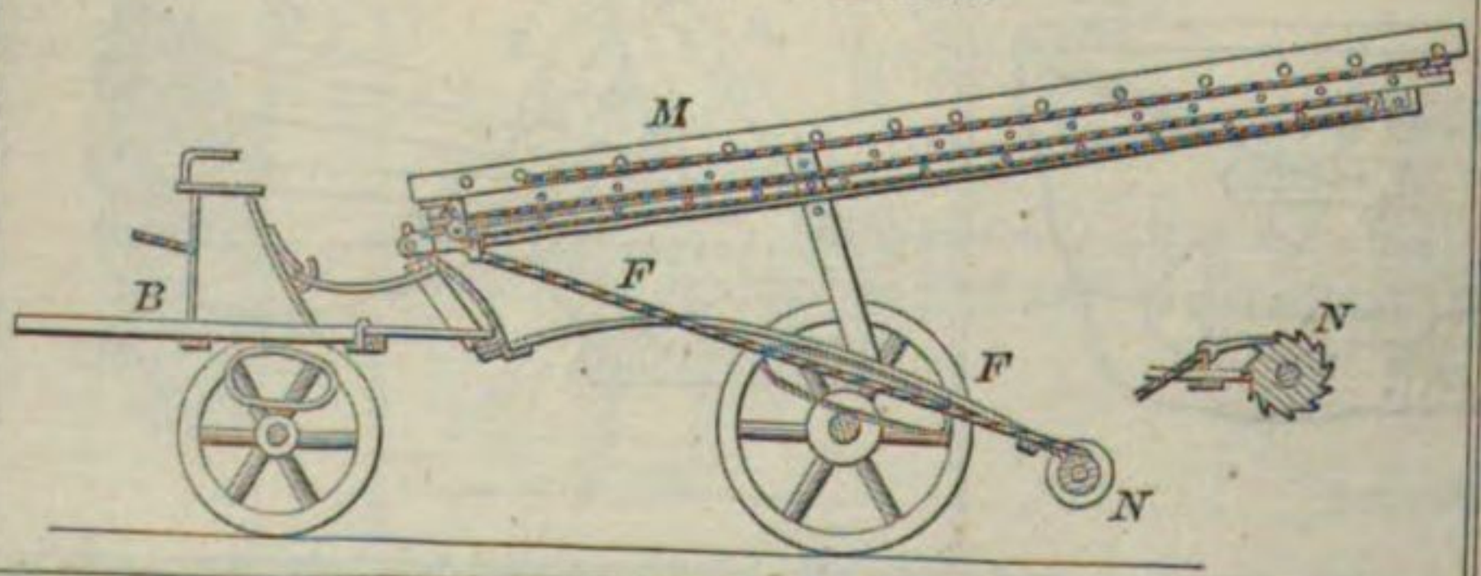
59293—M. A. Tarleton—*Cotton Tie.*



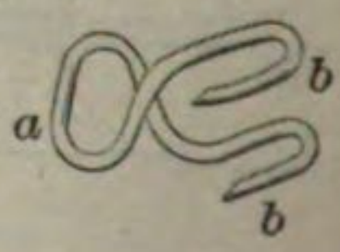
59292—W. Strevell—*For Stretching Leather.*



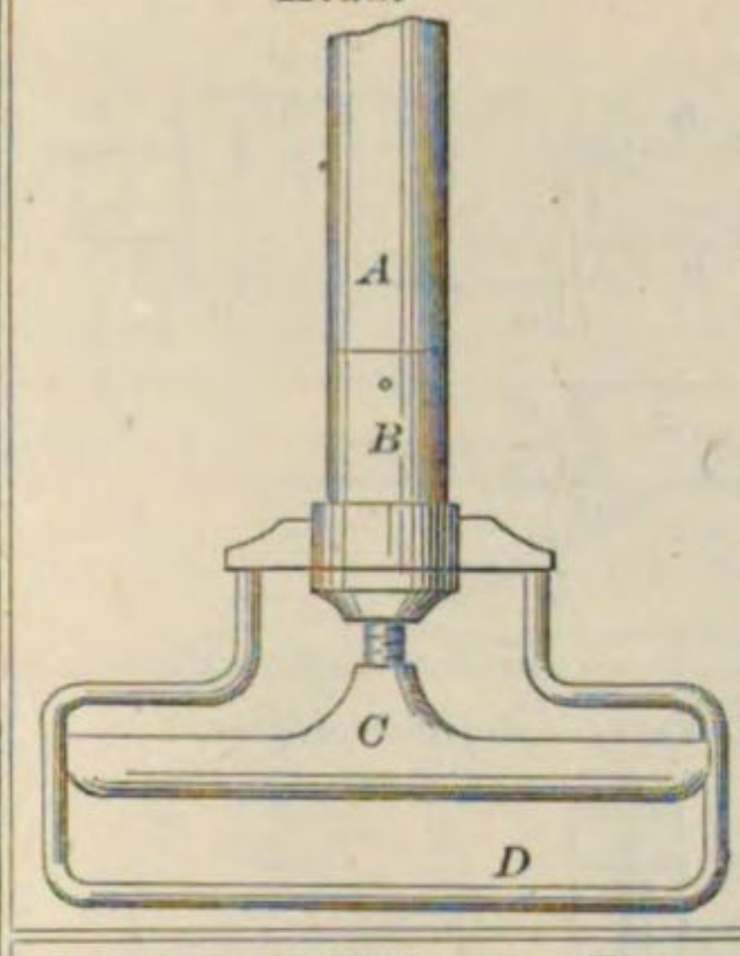
59297—Watson & Perry—*Extension Ladder.*



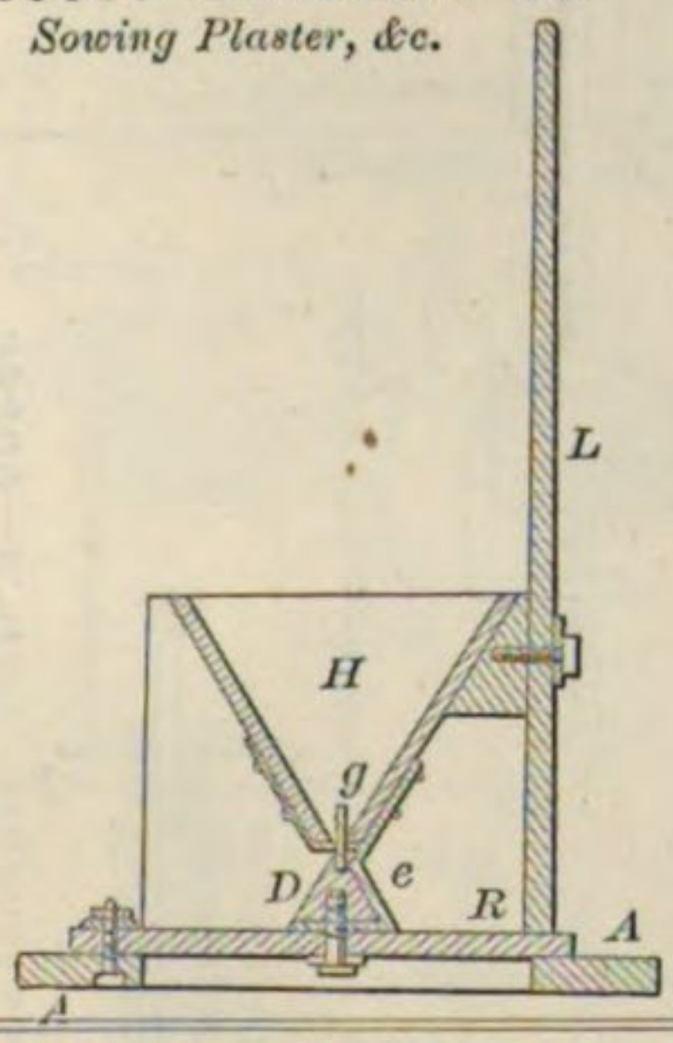
59298—W. Weaver—*Carpet Fastener.*



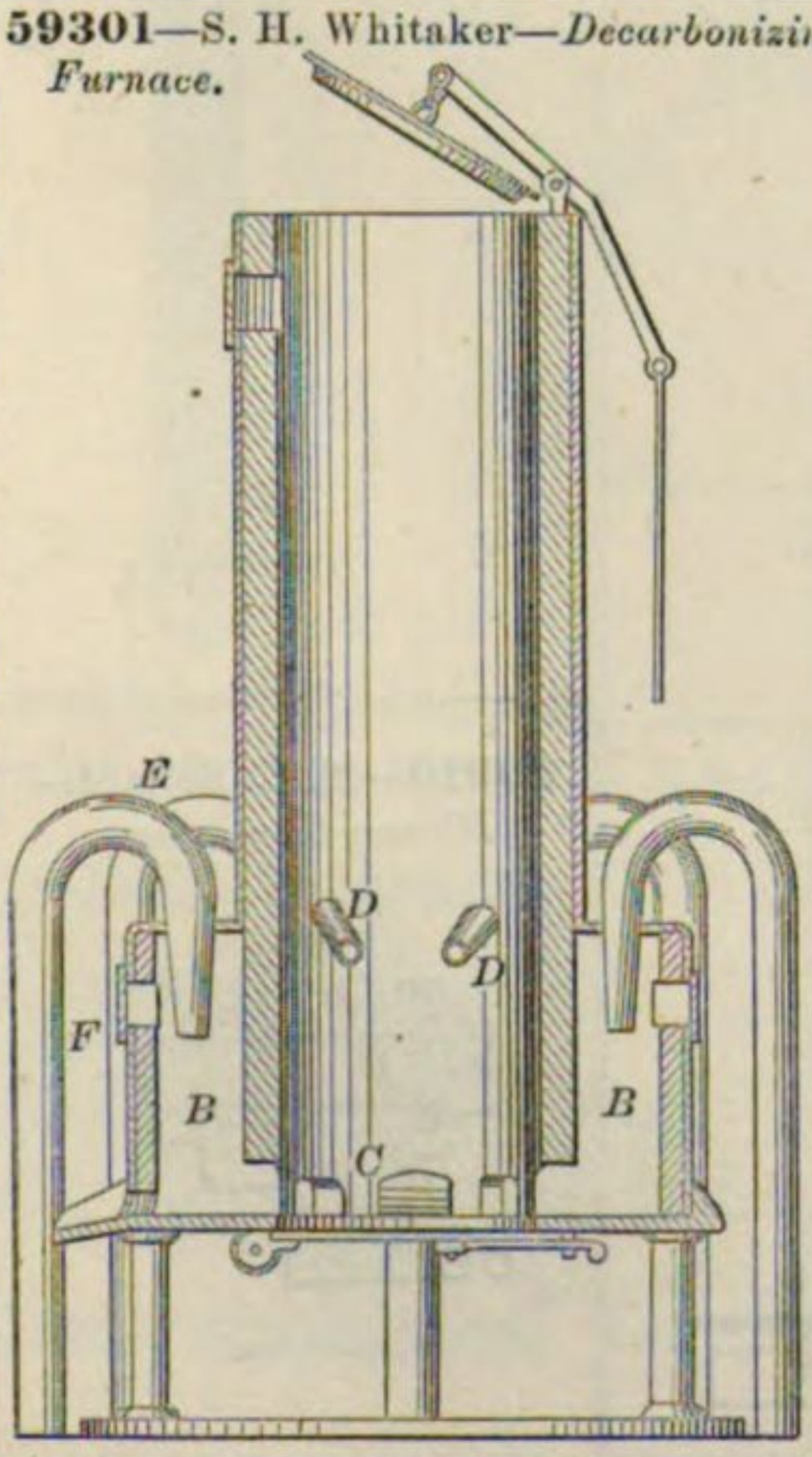
59299—I. E. Weston—*Mop Head.*



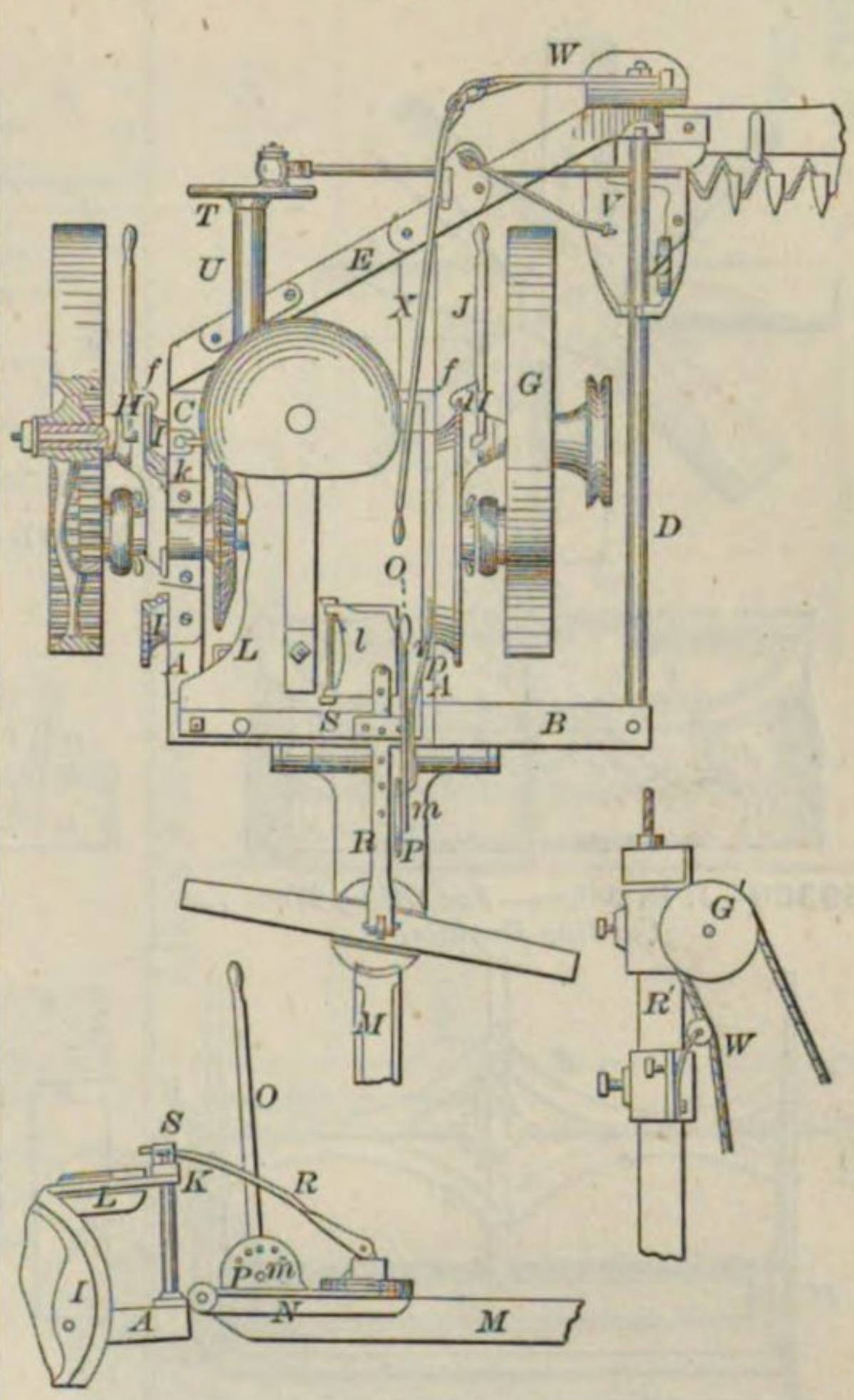
59300—S. Wheelock—*For Sowing Plaster, &c.*



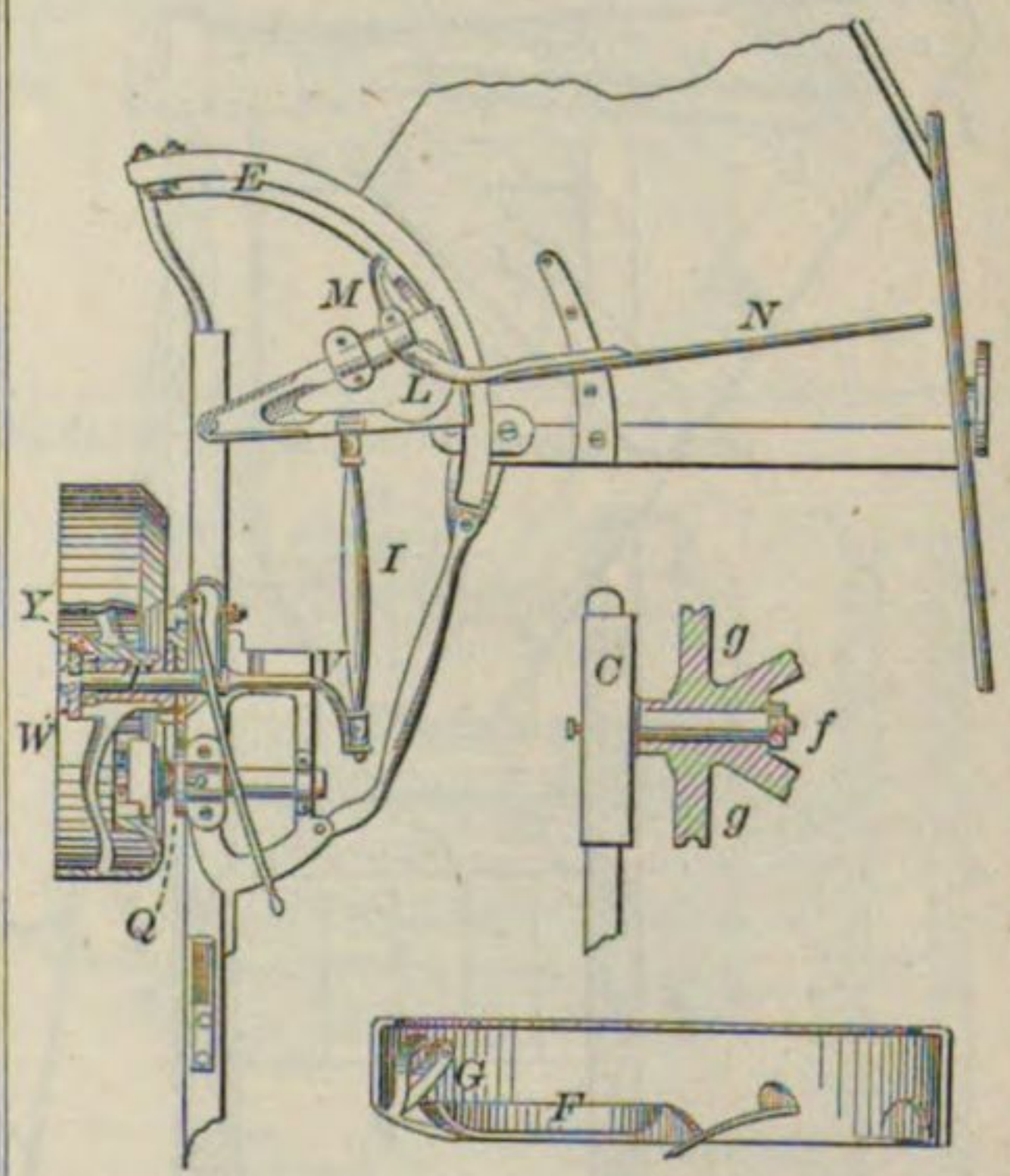
59301—S. H. Whitaker—*Decarbonizing Furnace.*



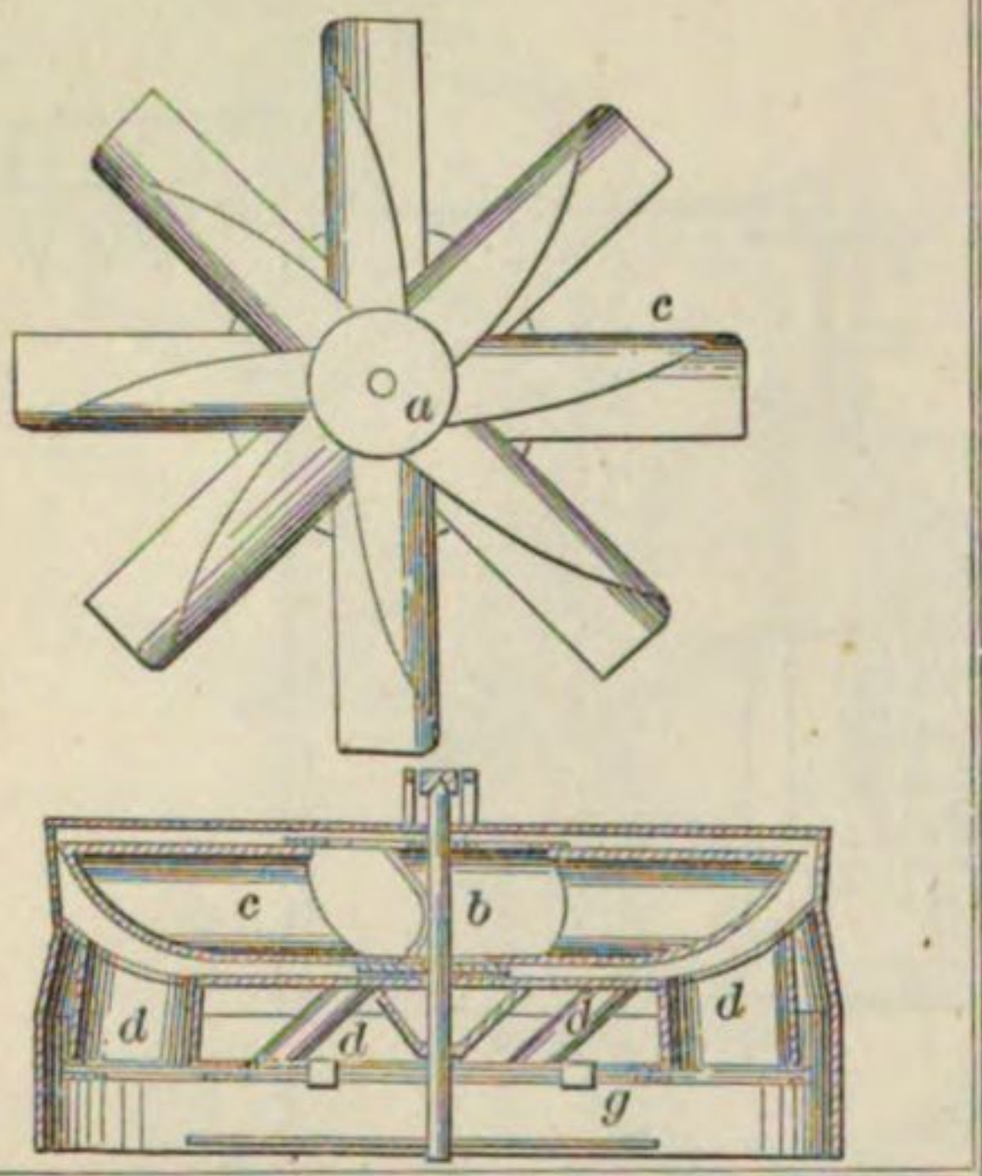
59302—W. N. Whiteley, Jr.—*Harvester.*



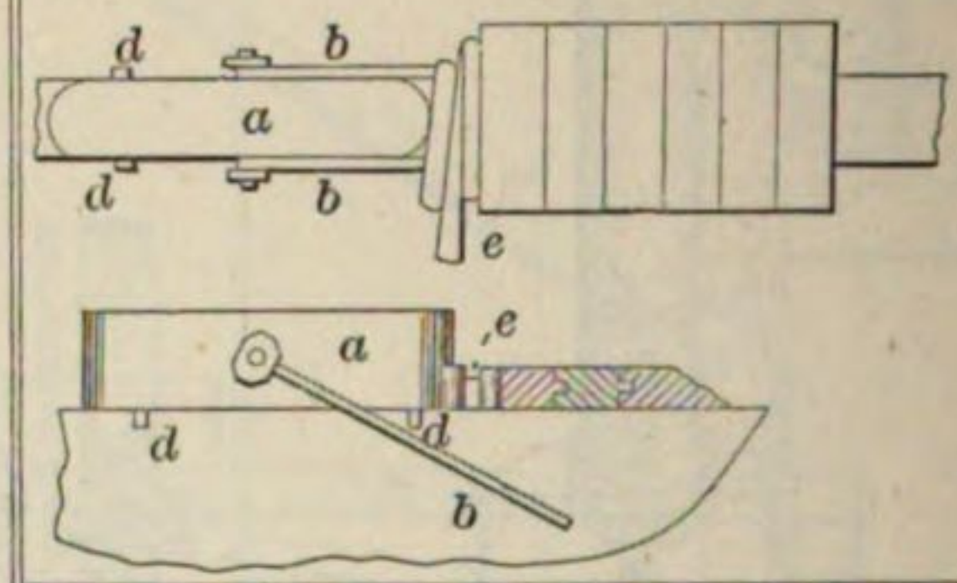
59303—W. N. Whiteley, Jr.—*Harvester.*



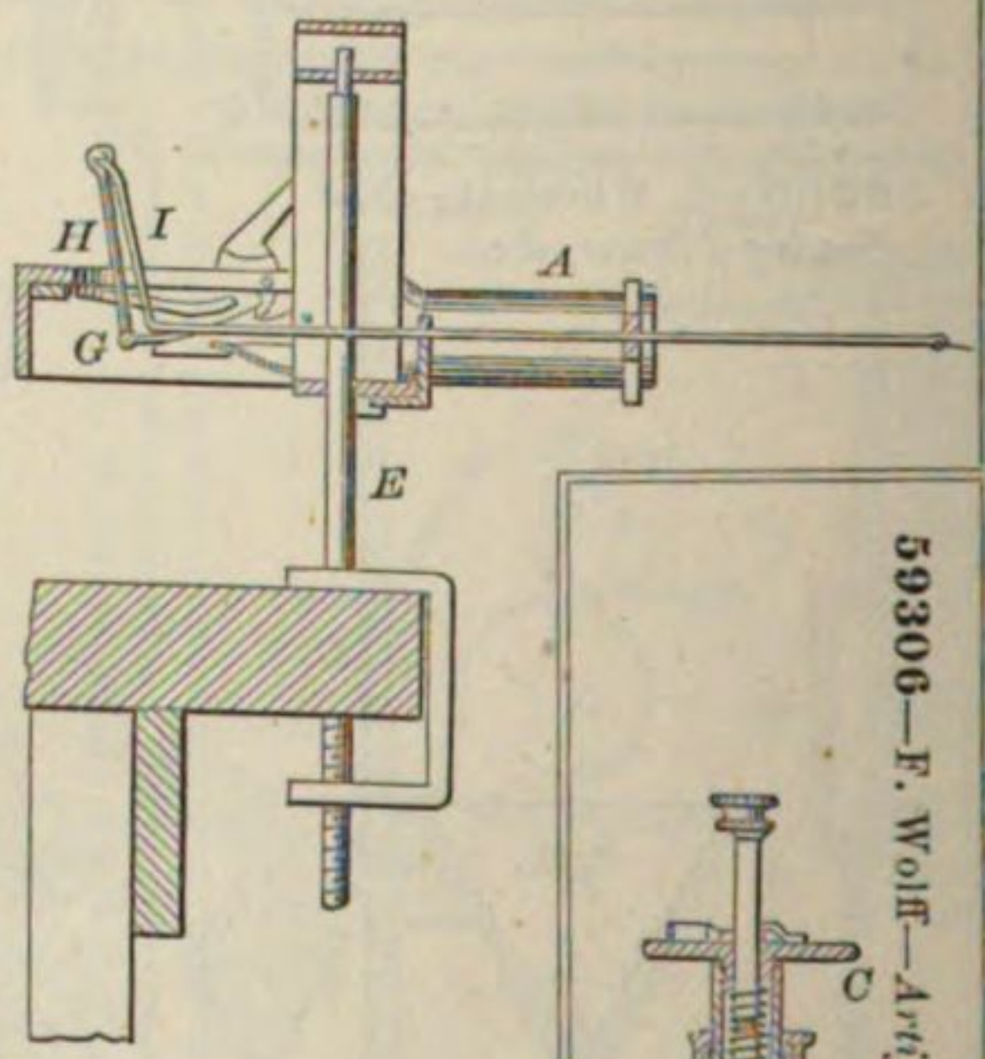
59304—J. M. Williams—*Water Wheel.*



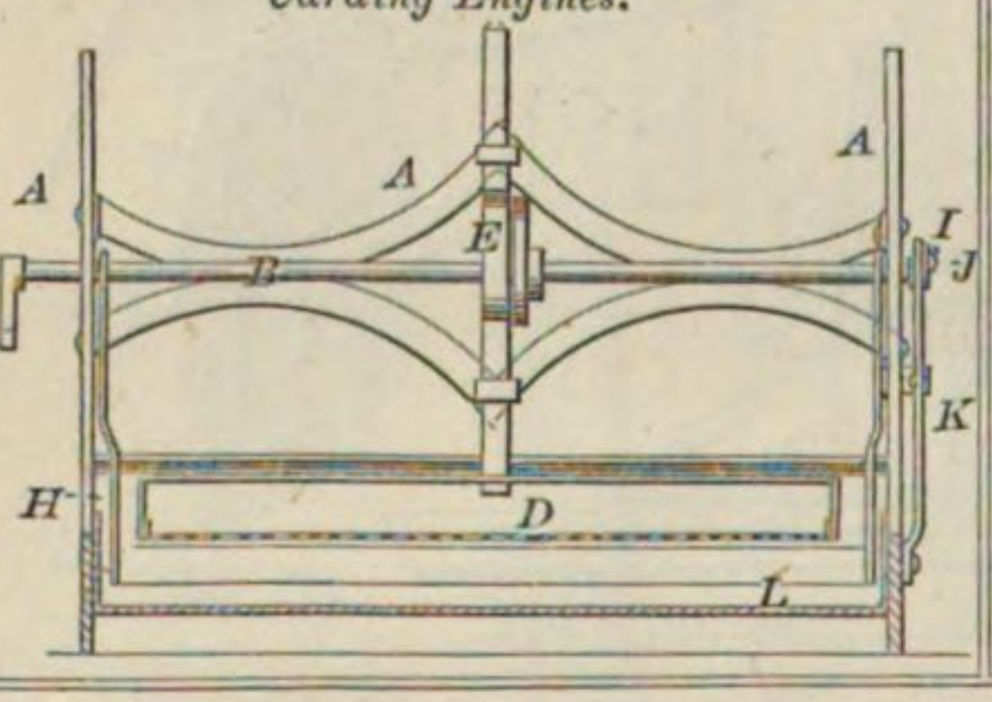
59305—J. D. Winslow—*Floor Clamp.*



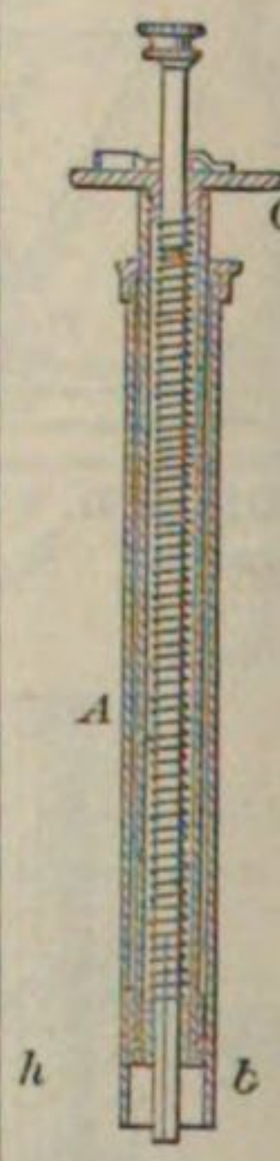
59307—H. Yerty—*Burglar Alarm.*



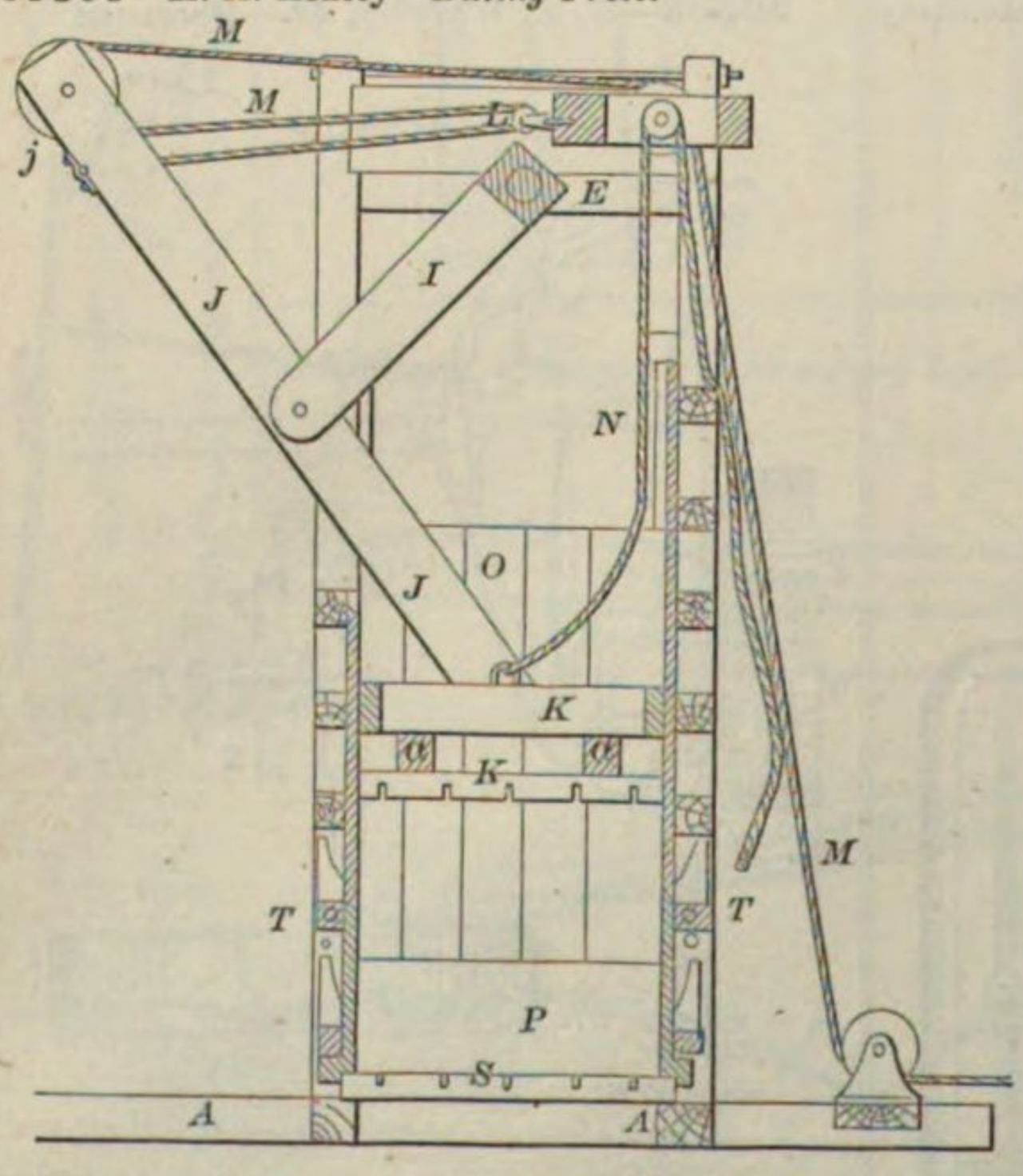
59308—J. H. Aiken—*For Oiling Wool for Carding Engines.*



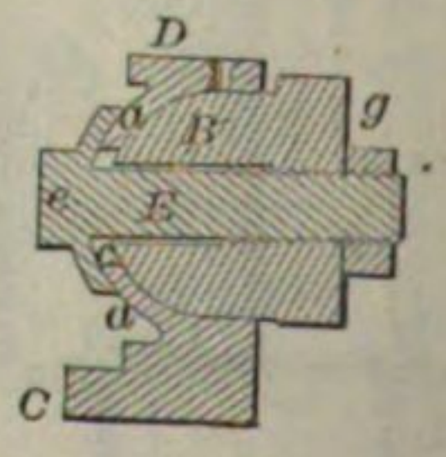
59306—F. Wolff—*Artificial Leech.*



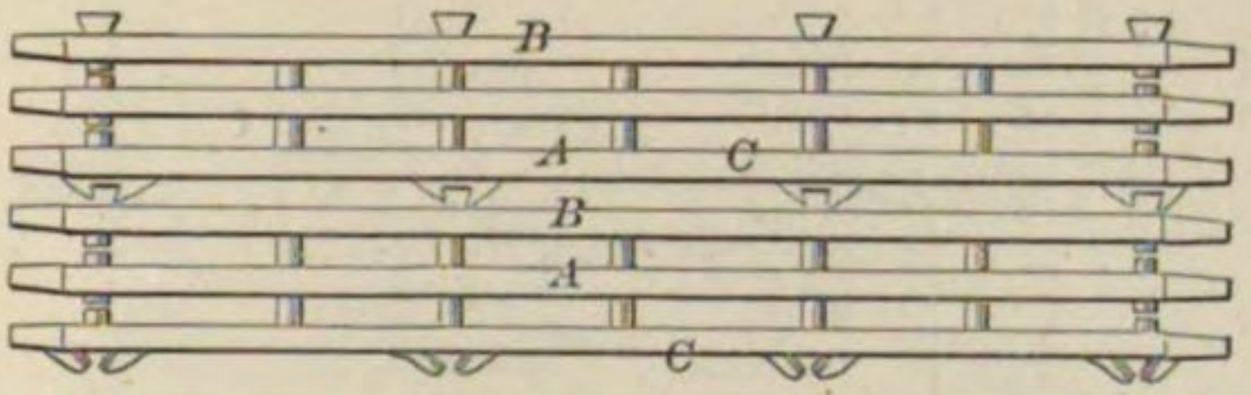
59309—H. A. Ashley—*Baling Press.*



59310—M. L. Ballard—*Pitman Connection.*



59311—Clarke & Wagenen—*Grate Bar.*



59312—C. J. Everett—*Rendering Apparatus.*

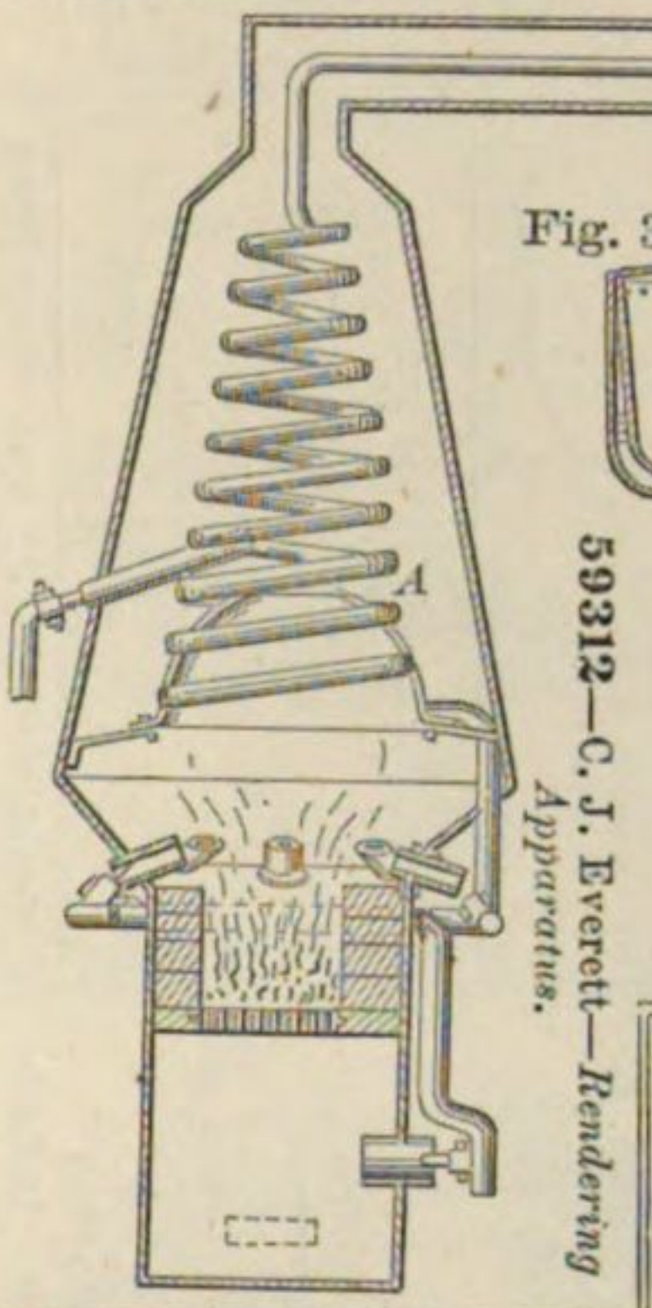
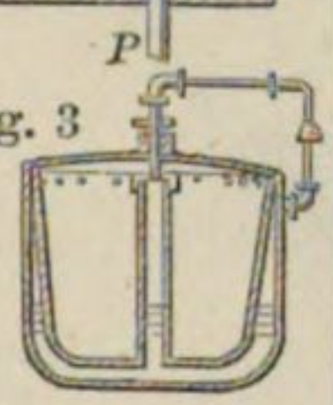
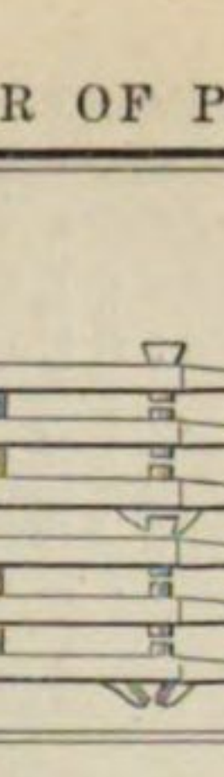


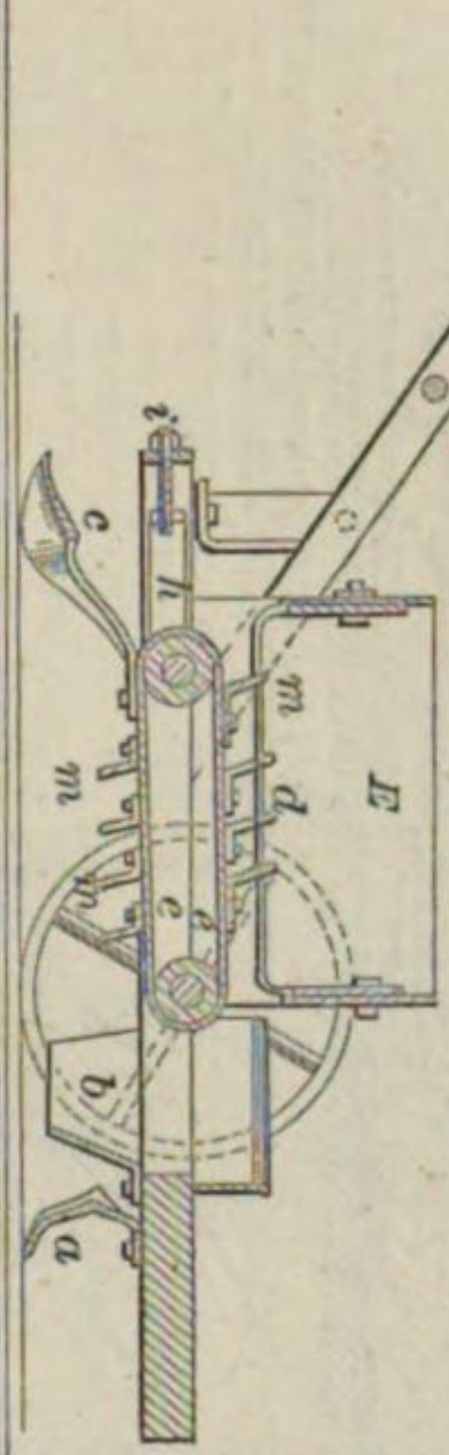
Fig. 3



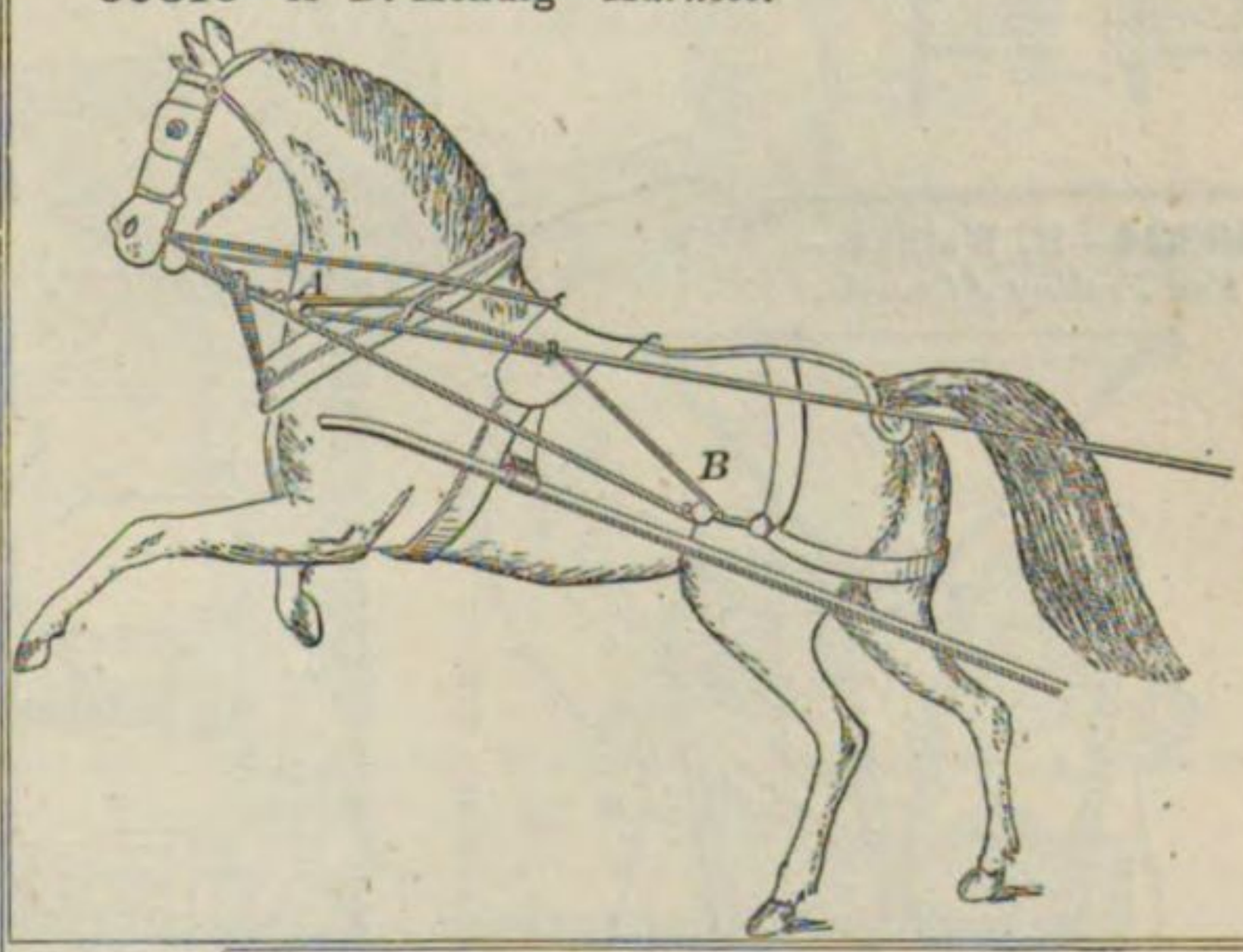
59313—G. W. Hill—*Spring Bat.*



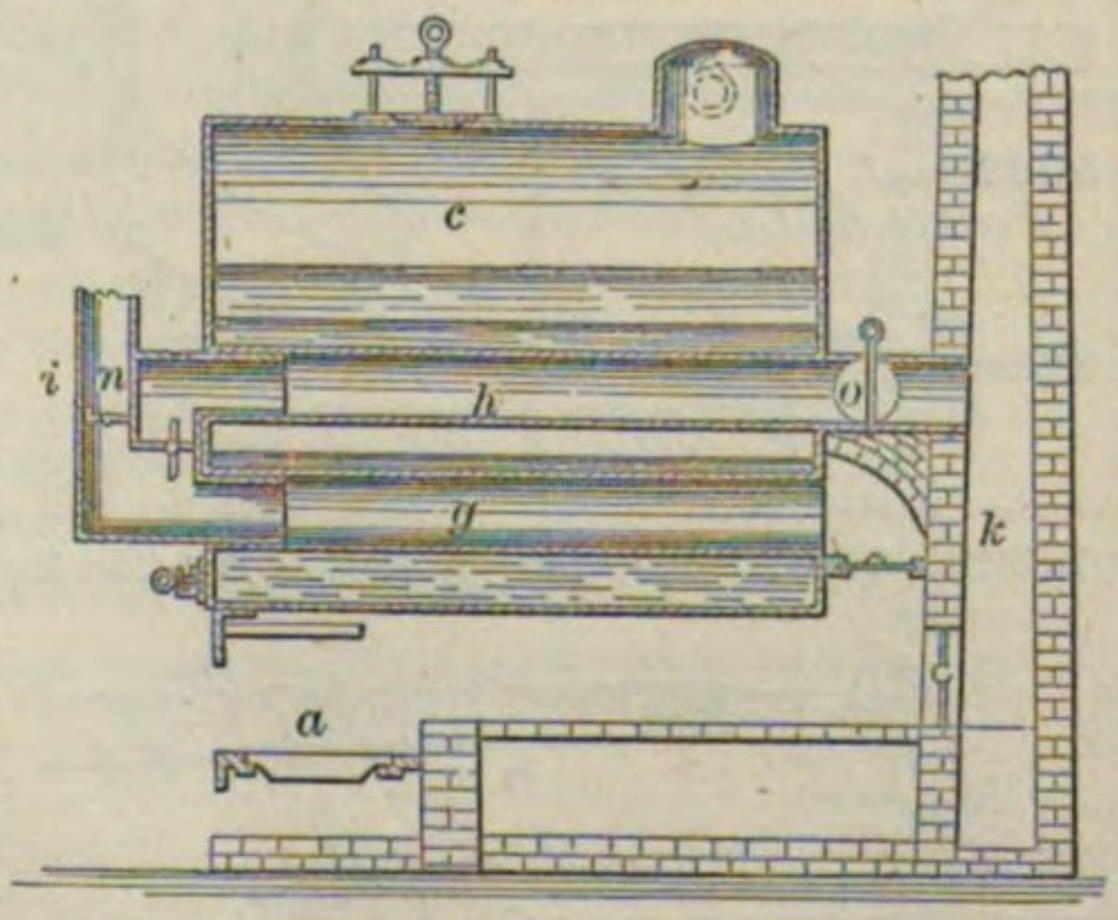
59314—W. A. Horrall—*Cotton Seed Planter.*



59316—A D. Kendig—*Harness.*

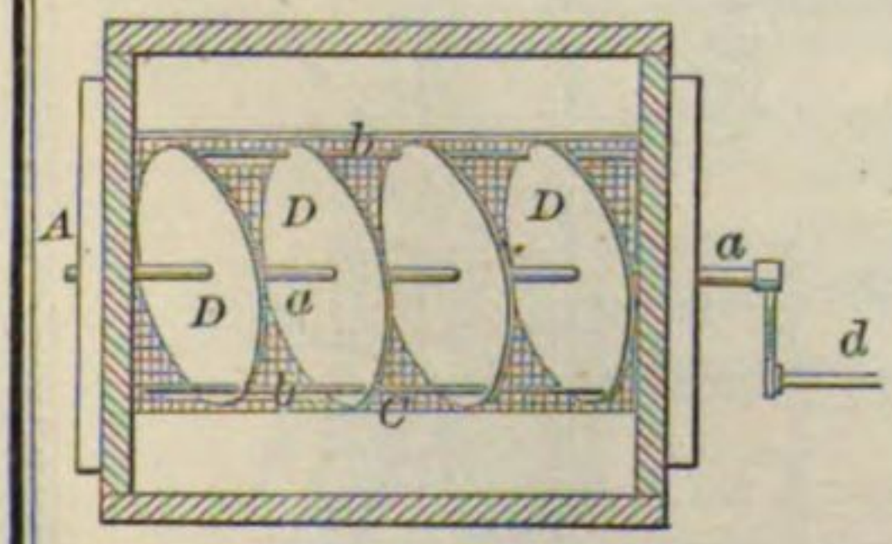


59317—A. Lapham—*Petroleum Still.*

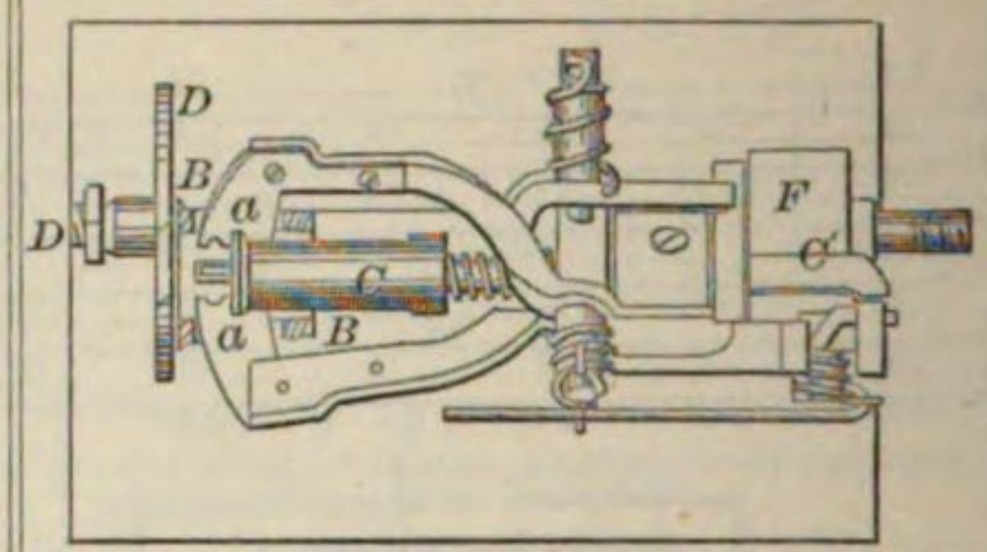


59318—J. N. Phelps—*Telegraph Cable.*

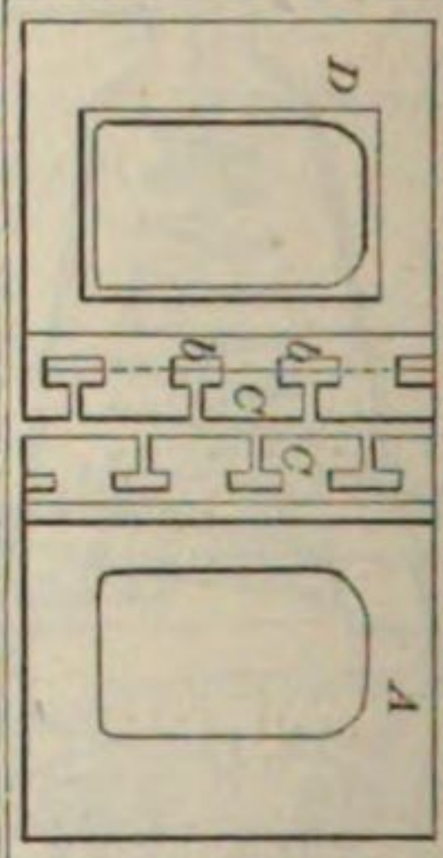
59315—B. Illingworth—*Flour Sifter.*



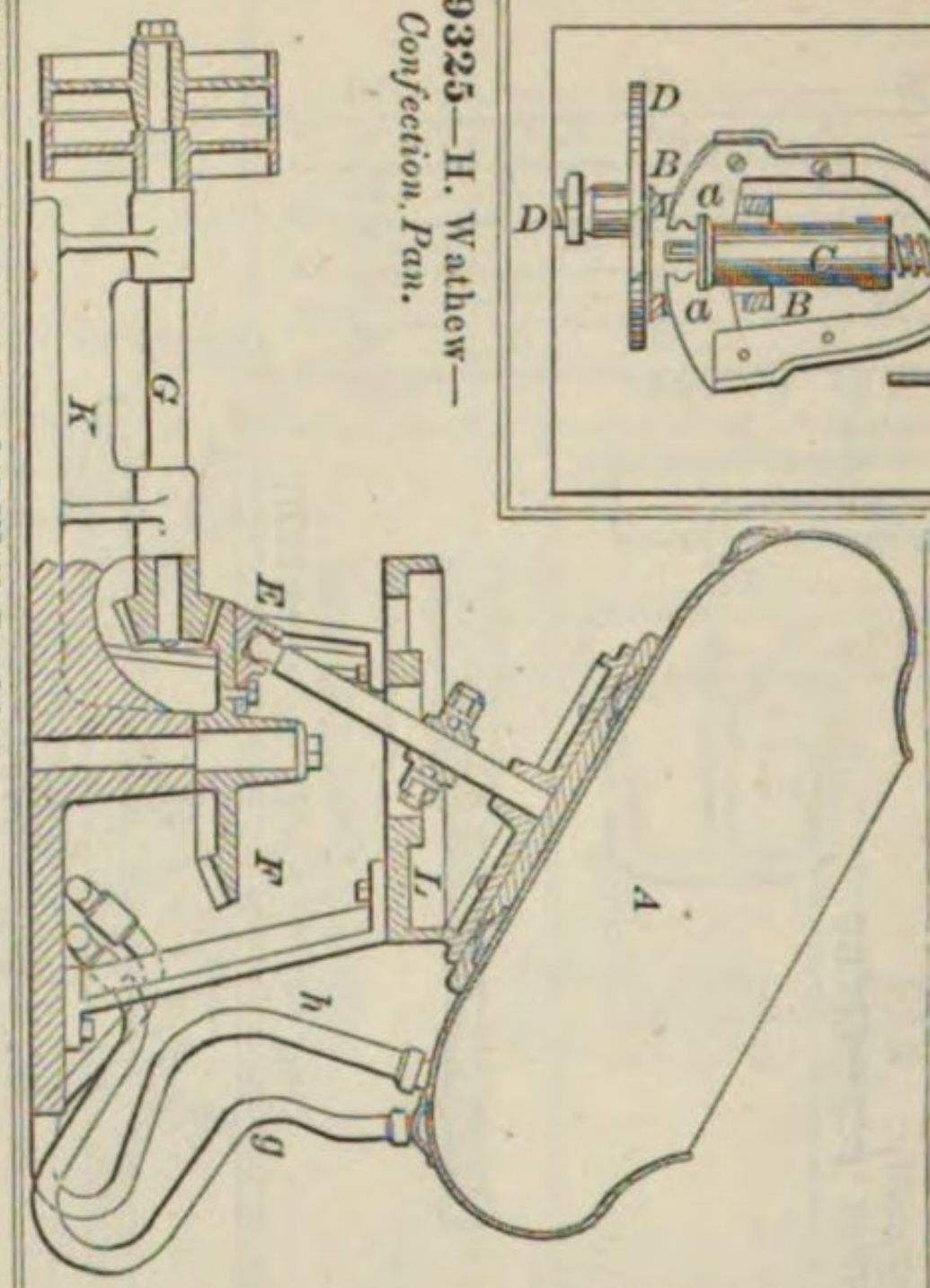
59321—J. W. Tompson—*Cherry Stoner.*



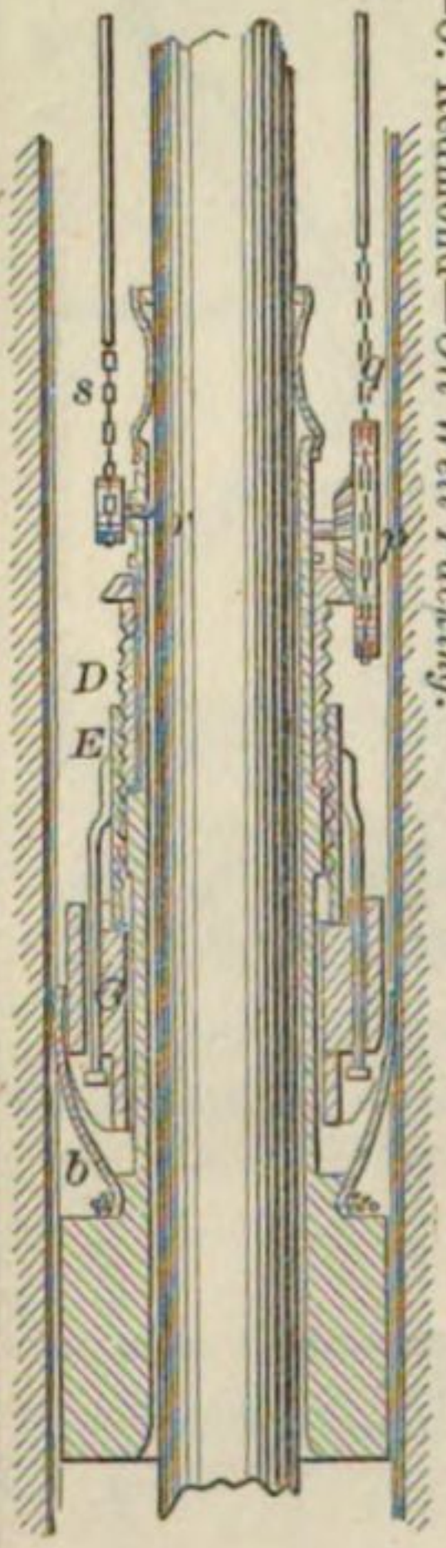
59323—R. Van Velthoven—*Album.*



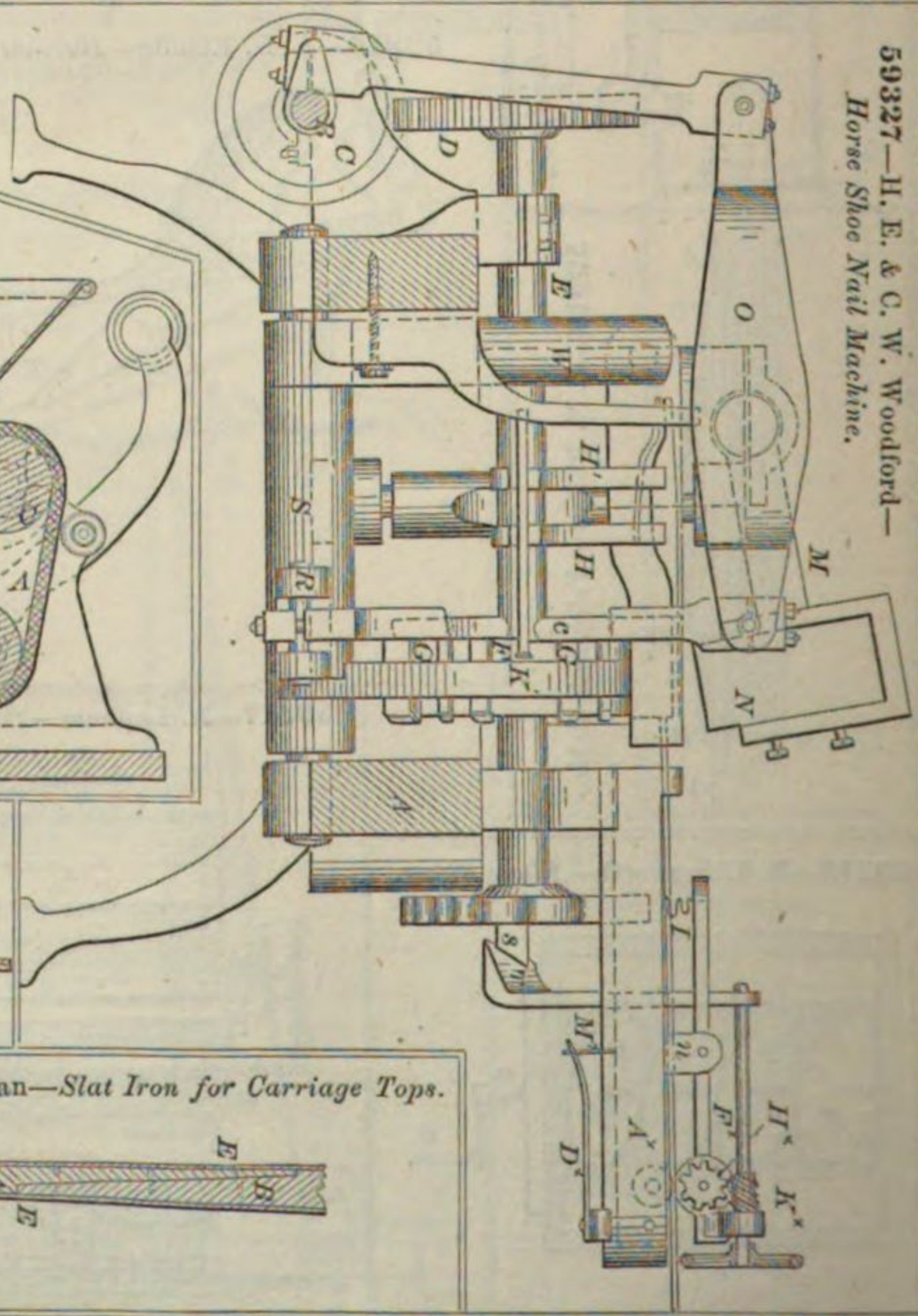
59325—H. Wathew—*Confection Pan.*



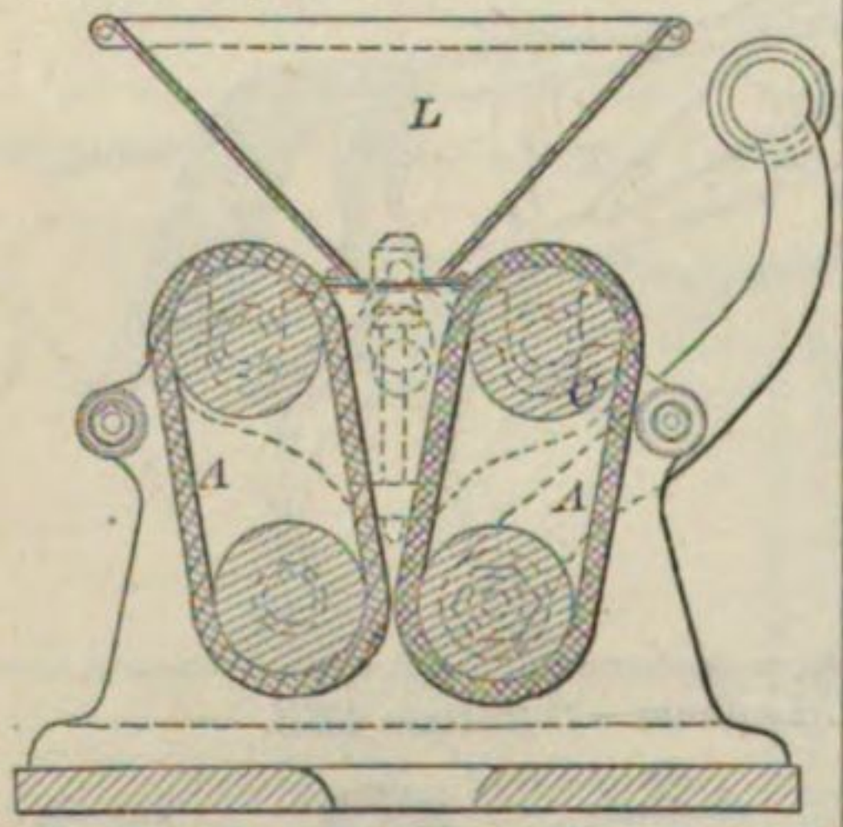
59319—O. Redmond—*Oil Well Packing.*



59327—H. E. & C. W. Woodford—*Horse Shoe Nail Machine.*

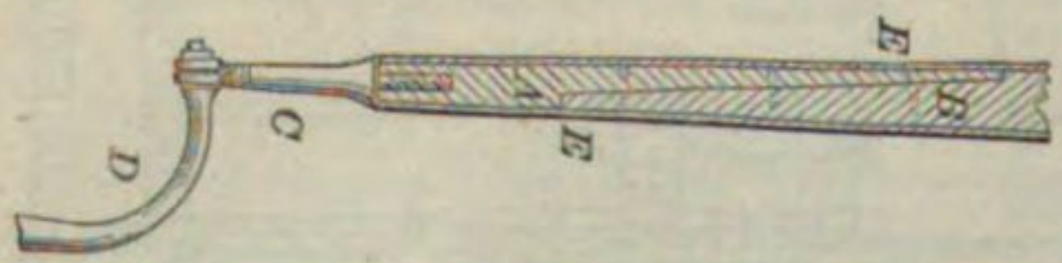


59324—H. Wathew—*For Peeling Almonds.*

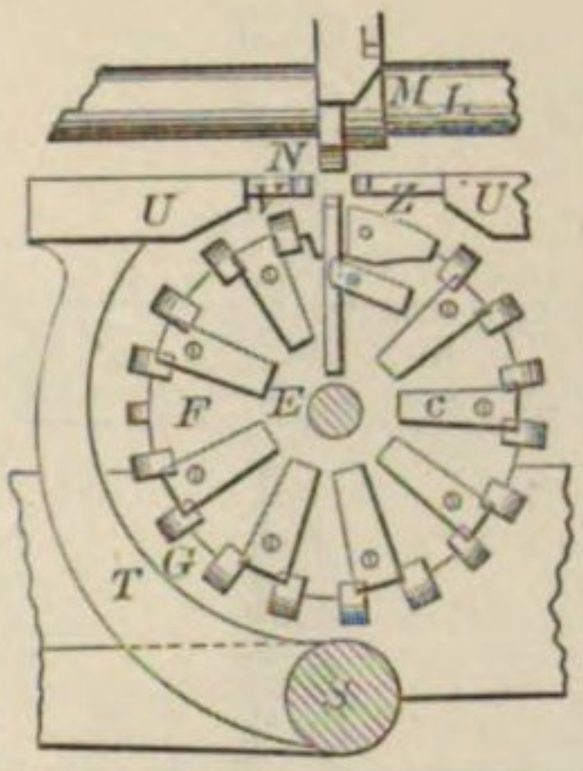


59320—J. Starkey—*Curtain Eyelet.*

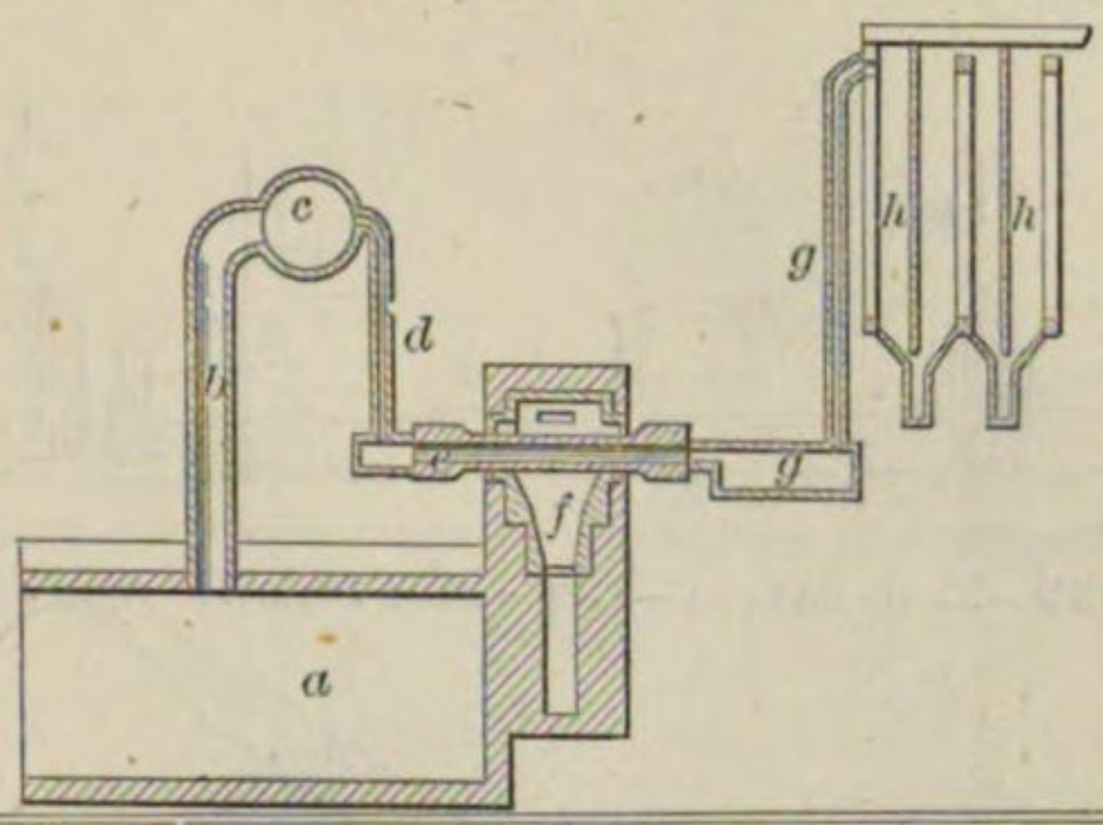
59322—G. W. Traphagan—*Slat Iron for Carriage Tops.*



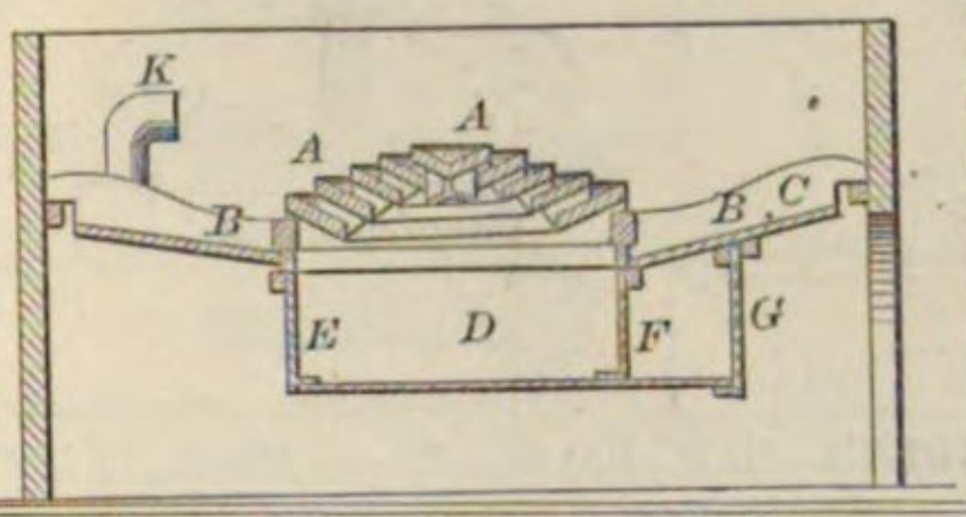
59327—*Continued.*



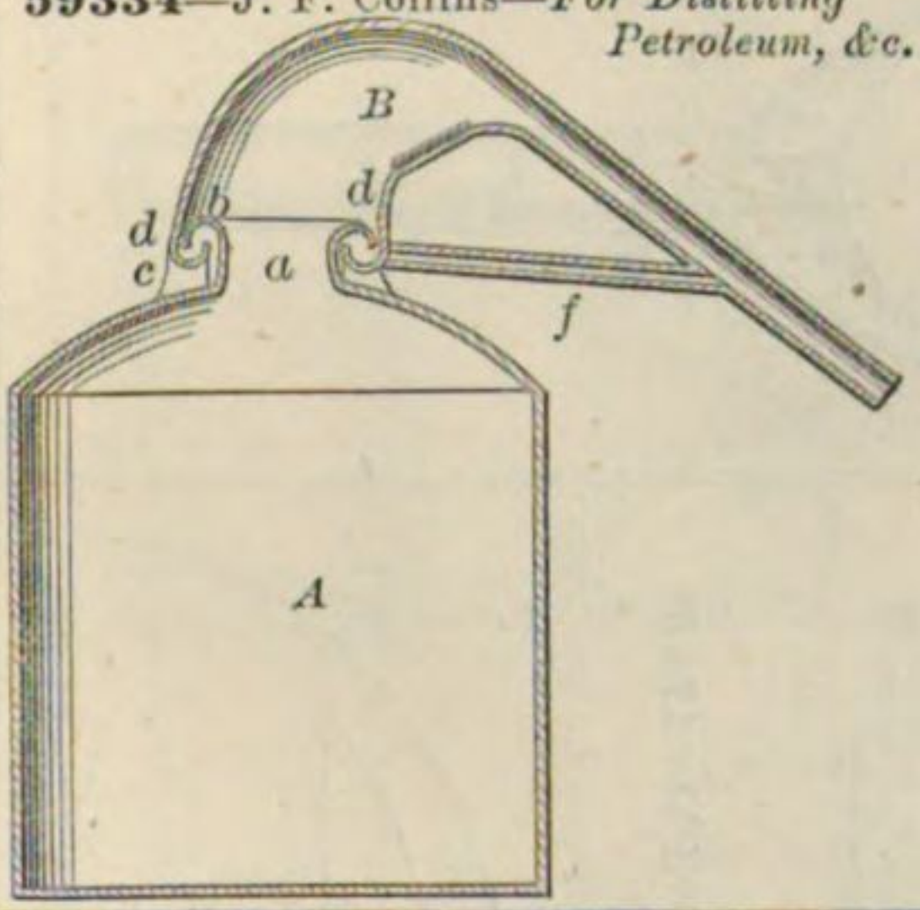
59328—L. A. C. St. Paul—*Manufacture of Sulphur.*



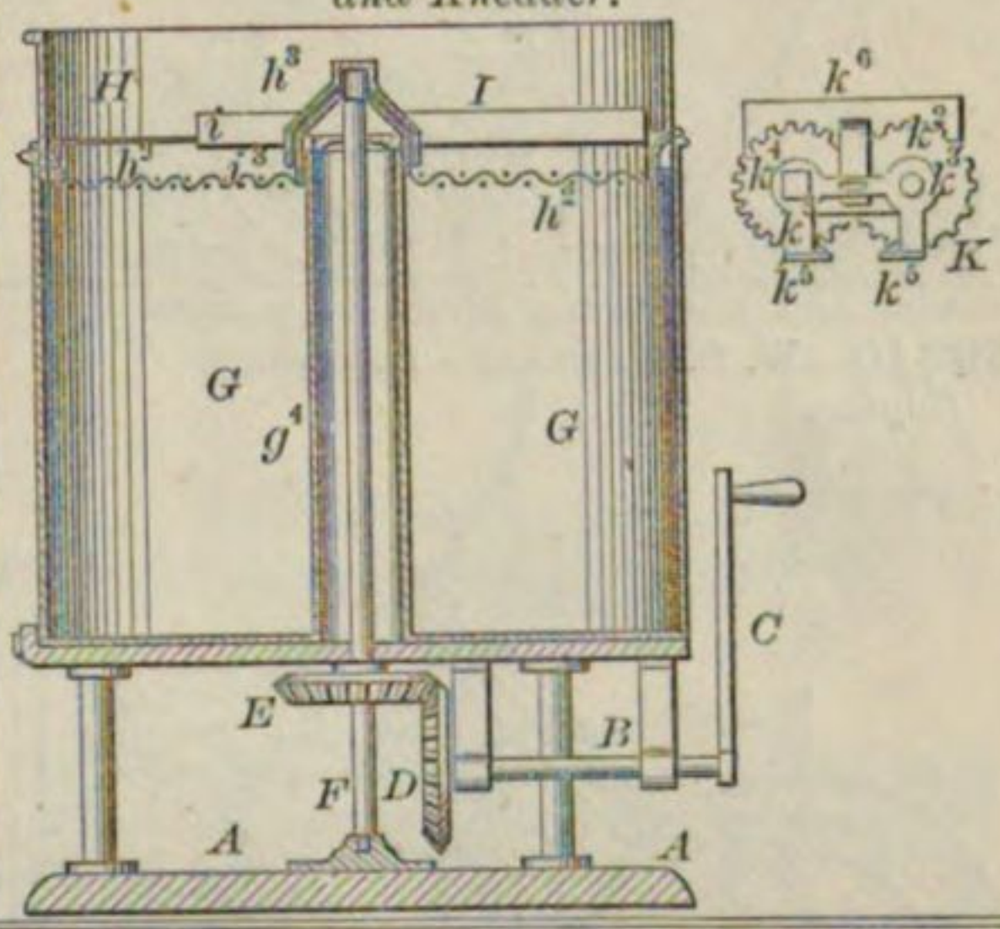
59329—R. Eaton—*Locomotive Fire Grate.*



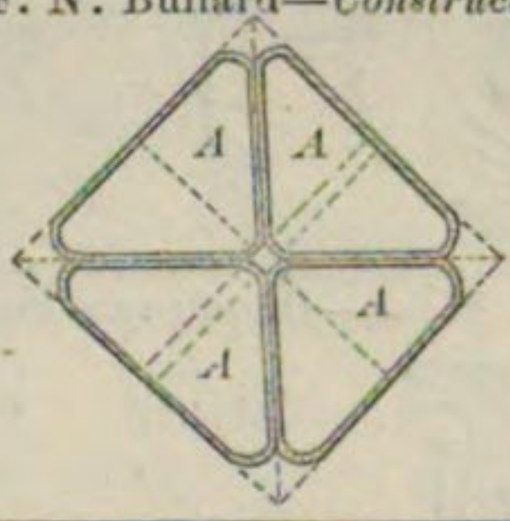
59334—J. F. Collins—*For Distilling Petroleum, &c.*



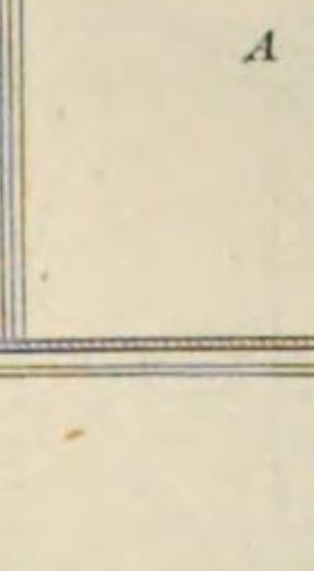
59335—E. A. Adams—*Flour Sifter, Mixer, and Kneader.*



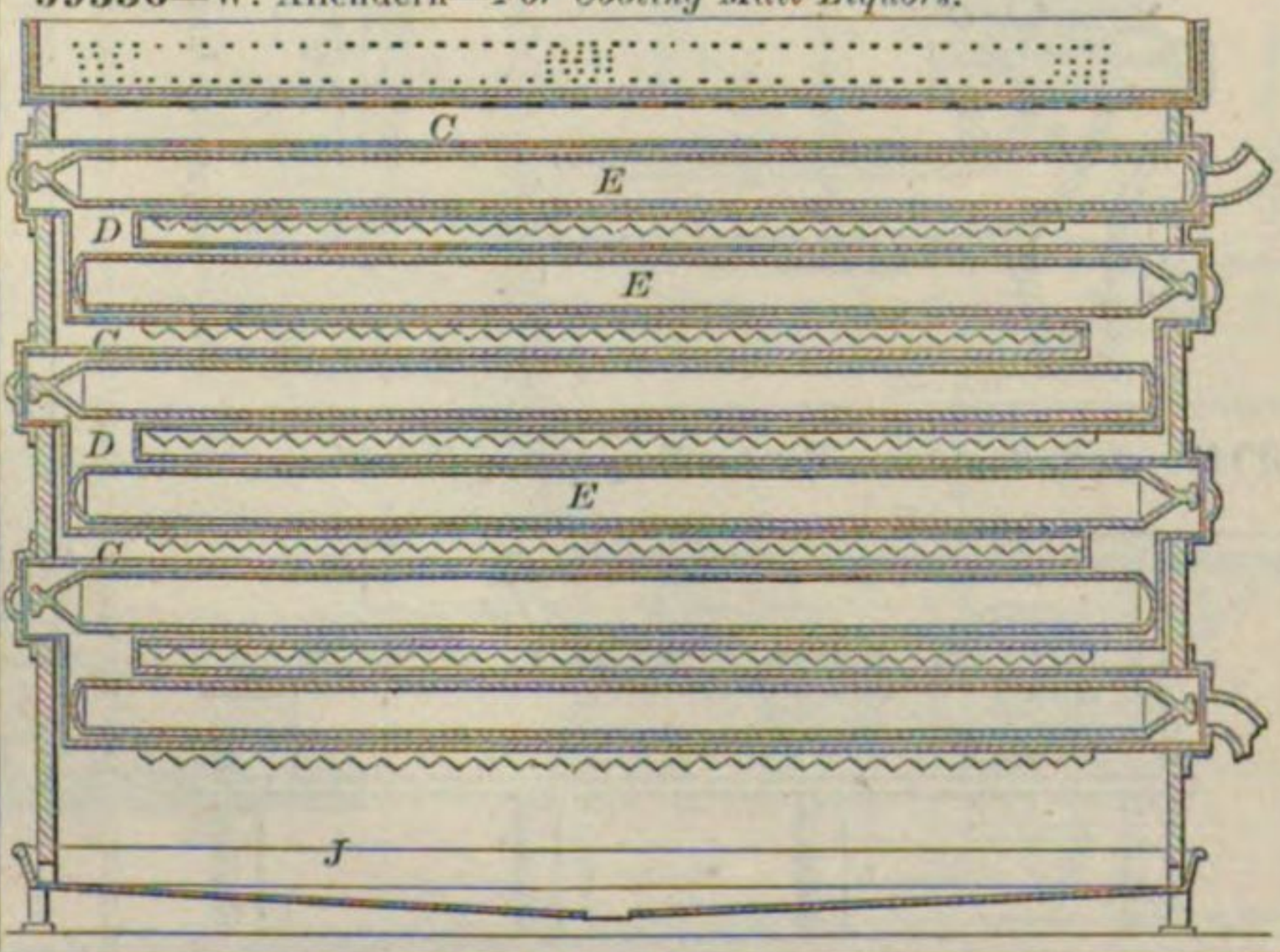
59333—F. N. Bullard—*Construction of Glass Bottles.*



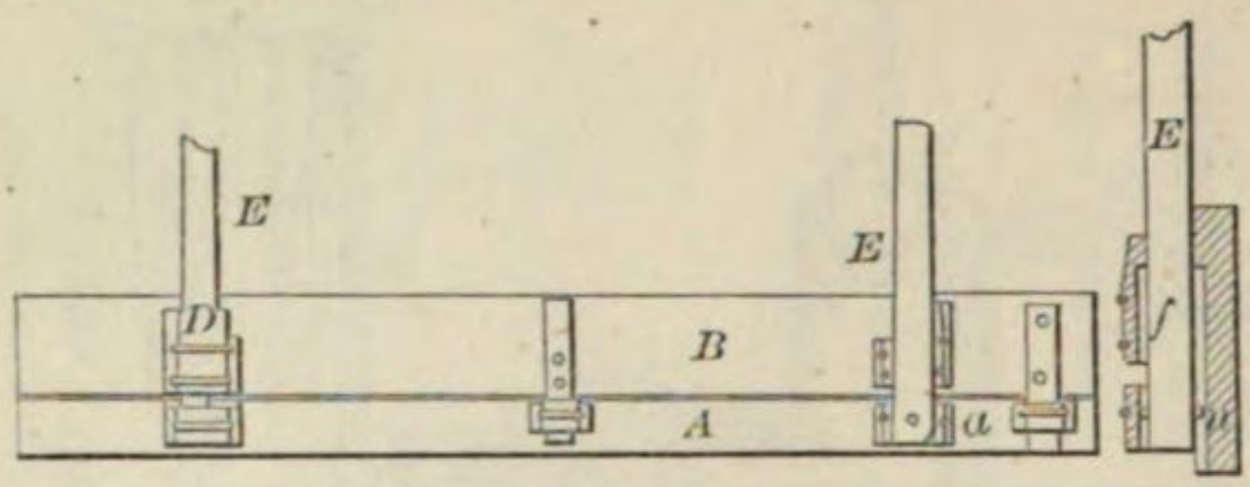
59332—White & Chamberlain—*Clasp for Belting, &c.*



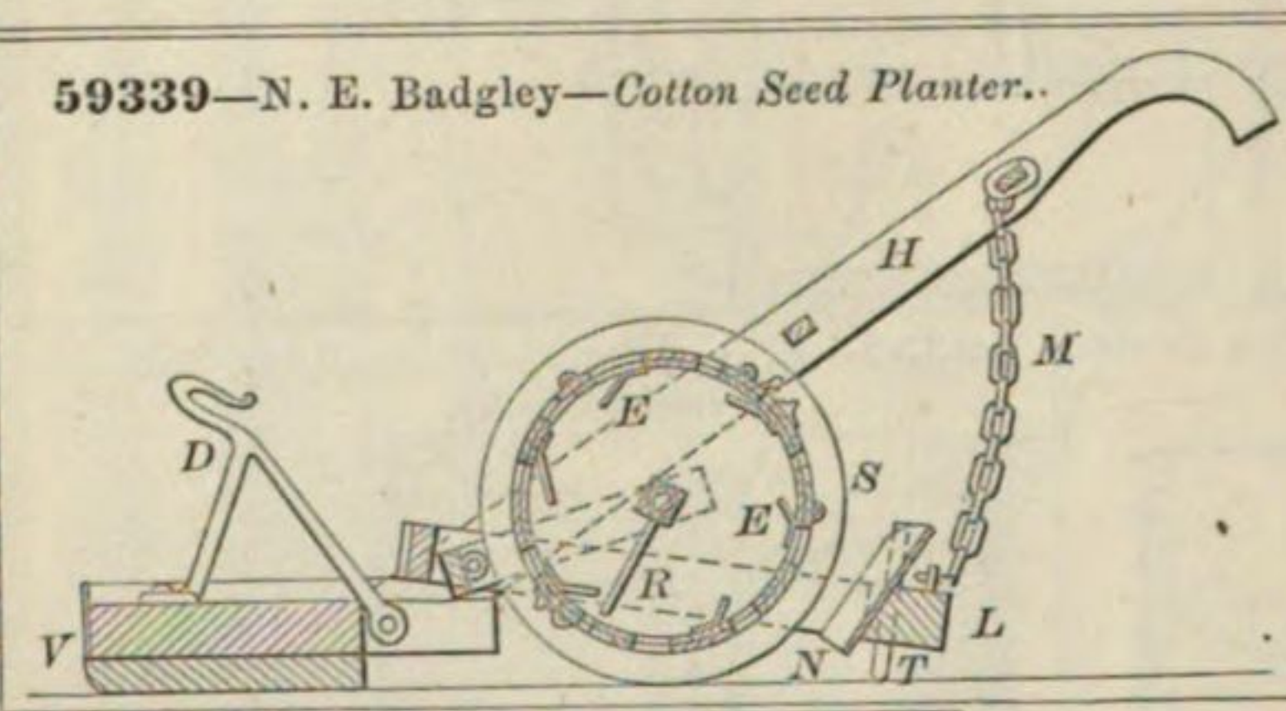
59336—W. Allenderff—*For Cooling Malt Liquors.*



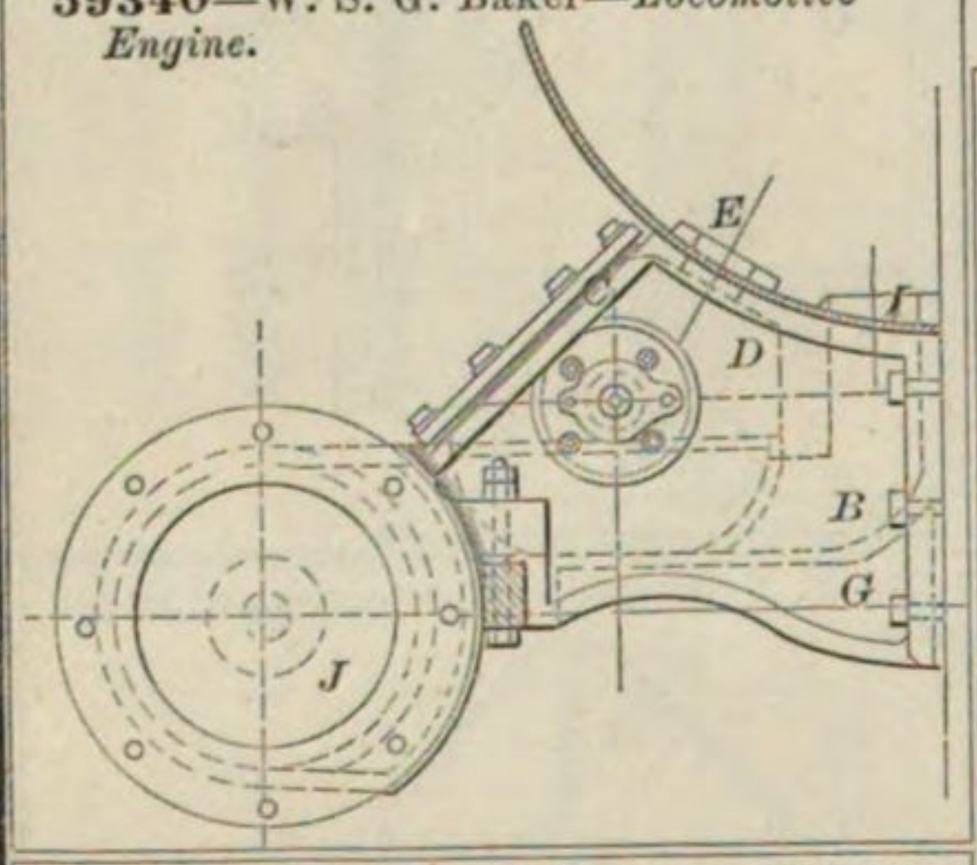
59337—W. T. Altfather—*Car Truck Standard.*



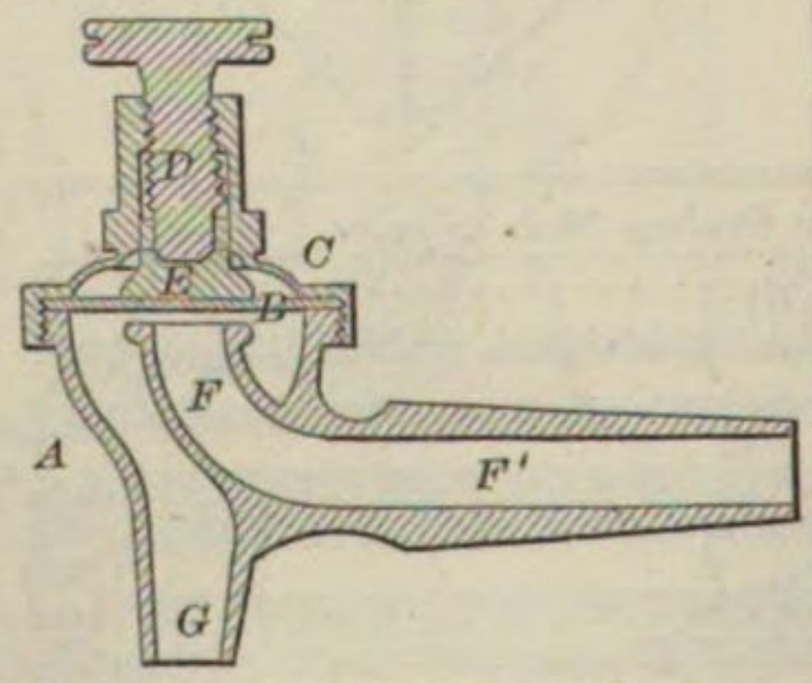
59339—N. E. Badgley—*Cotton Seed Planter.*



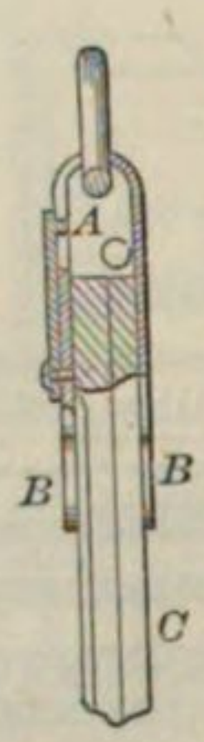
59340—W. S. G. Baker—*Locomotive Engine.*



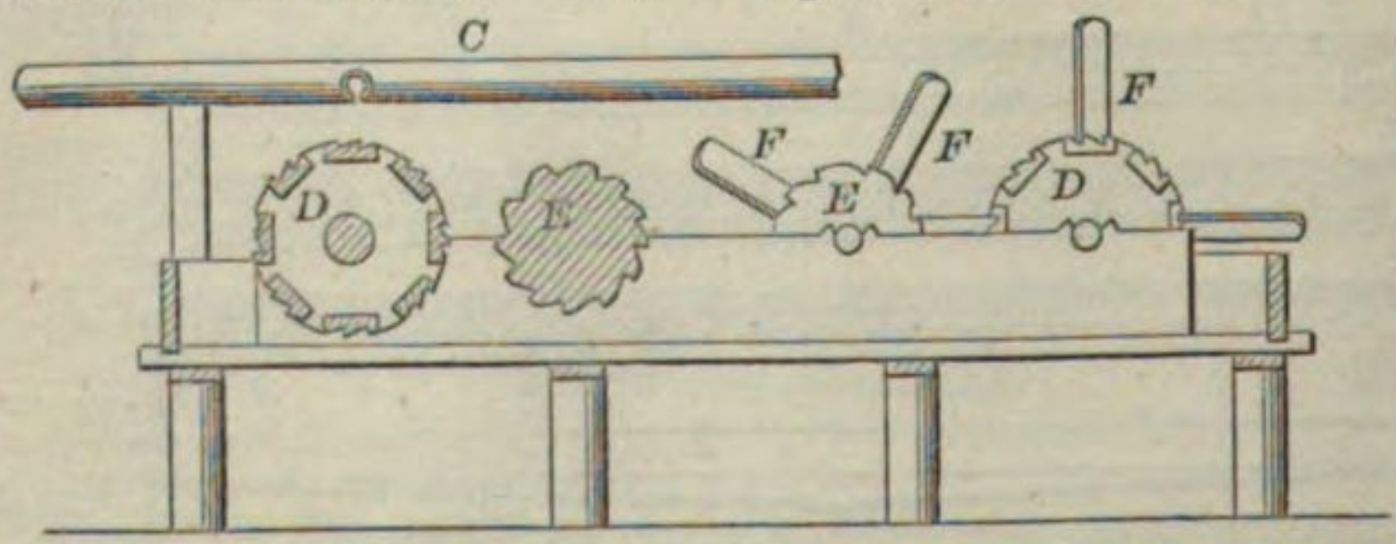
59346—W. Blake—*Diaphragm Faucet.*



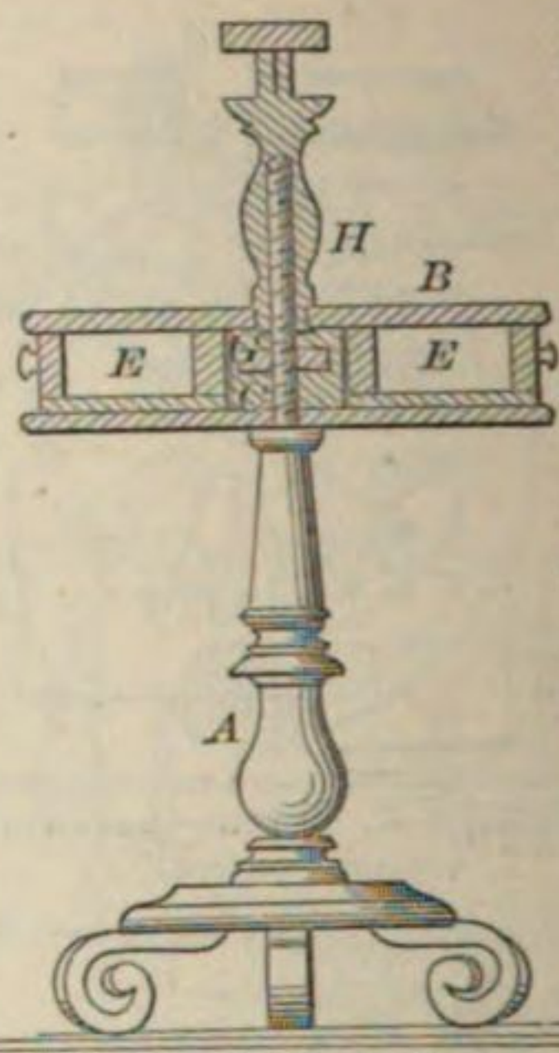
59347—C. Boehmer, Jr.—*Cock Eye.*



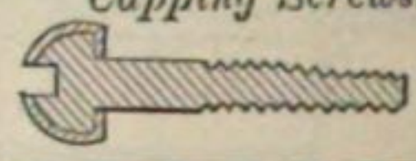
59349—J. F. Boynton—*Vat for Evaporating Salt Water.*



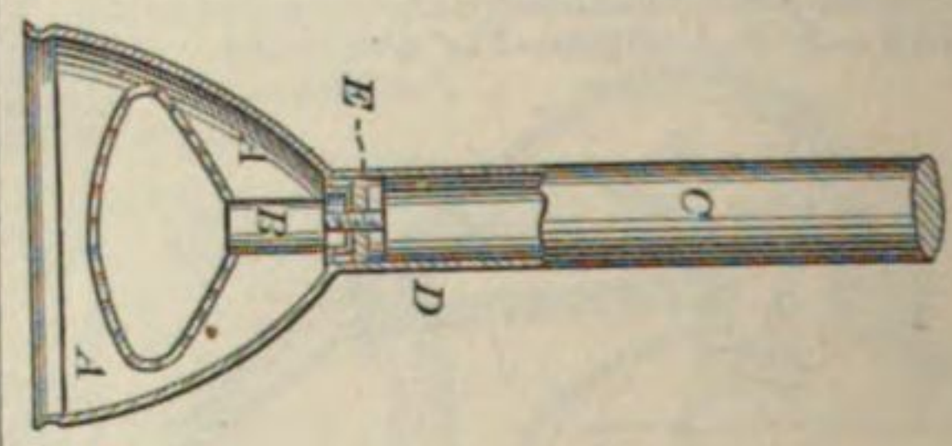
59341—P. Barrett—*Revolving Table.*



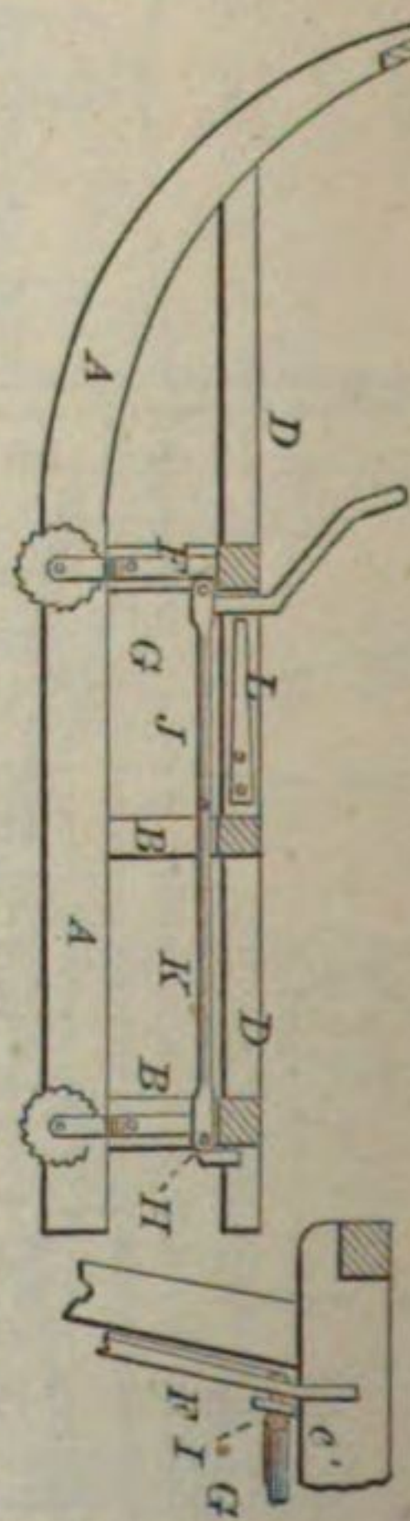
59344—J. W. Bishop—*Capping Screws.*



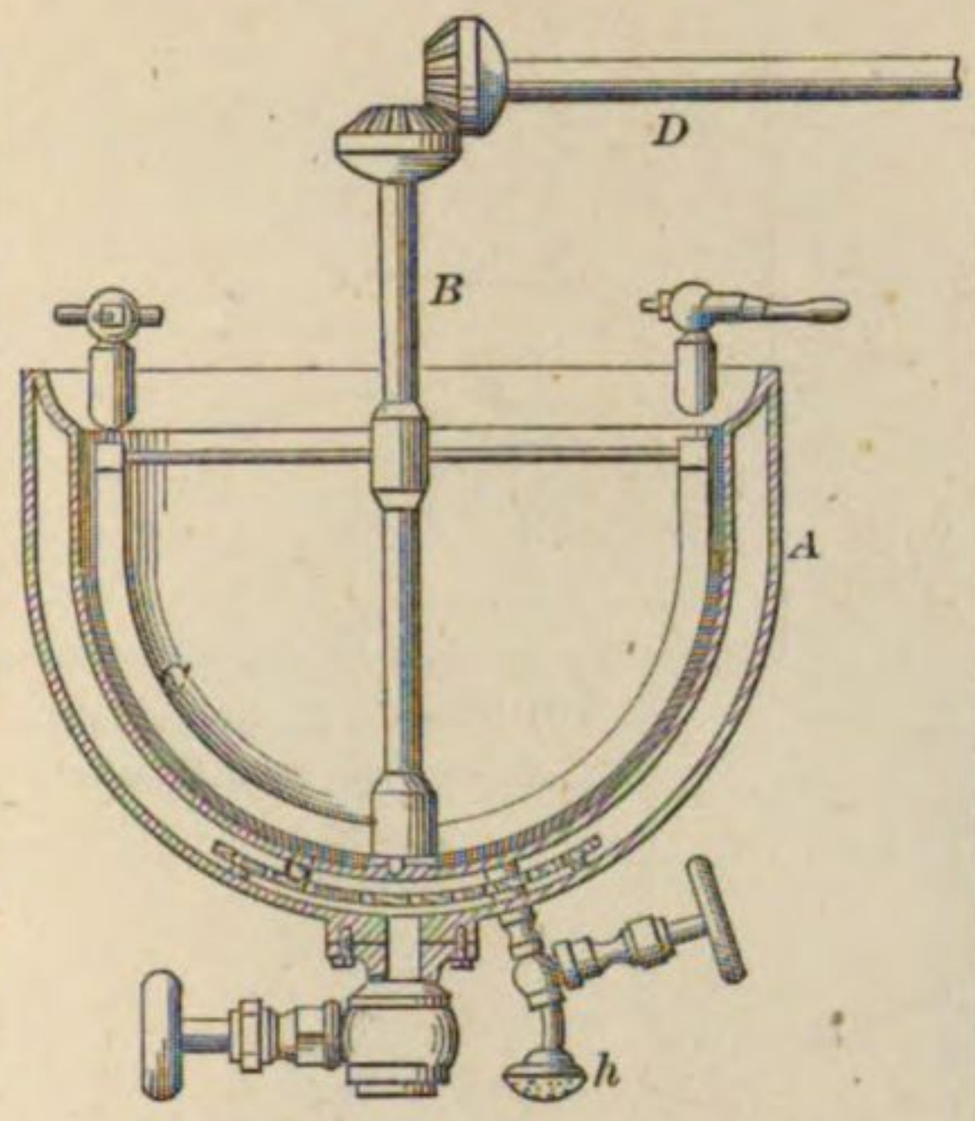
59343—E. M. Bayne—*Broom Head.*



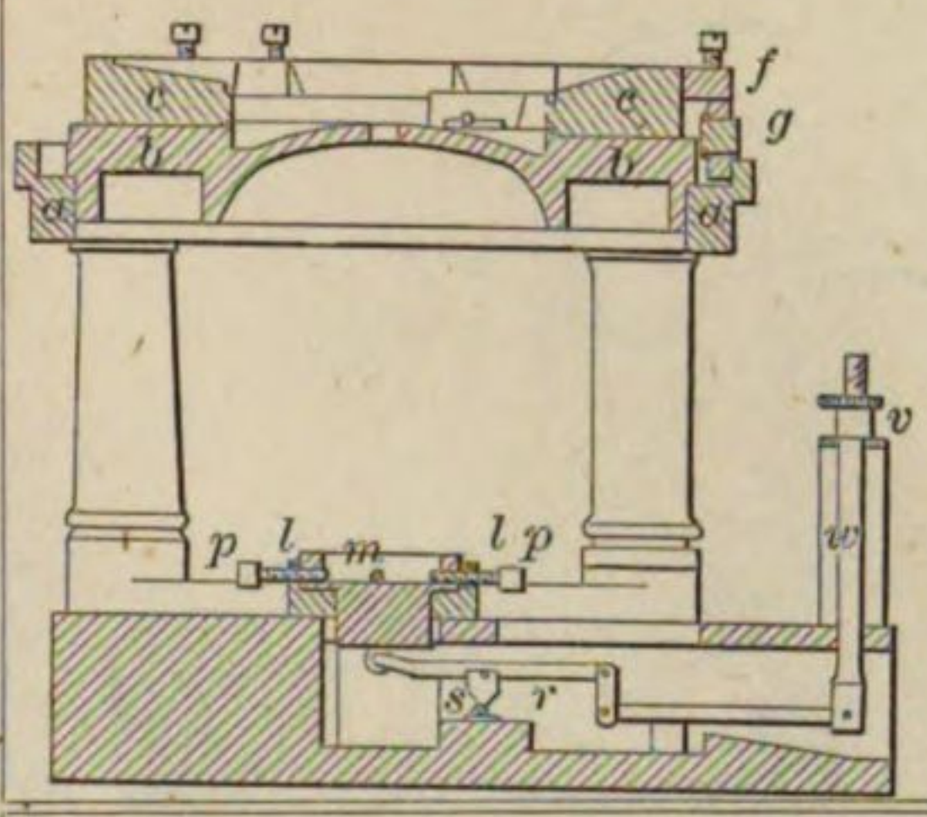
59345—D. A. T. Black—*Sleigh.*



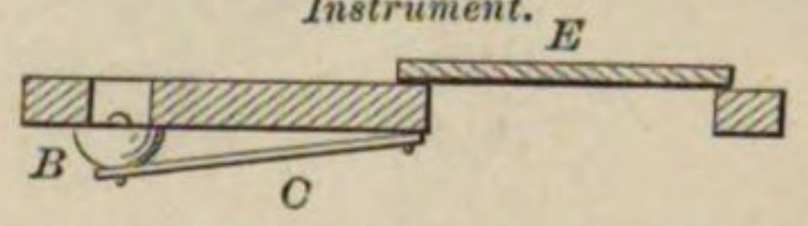
59350—W. Branagan—*Lard Boiler.*



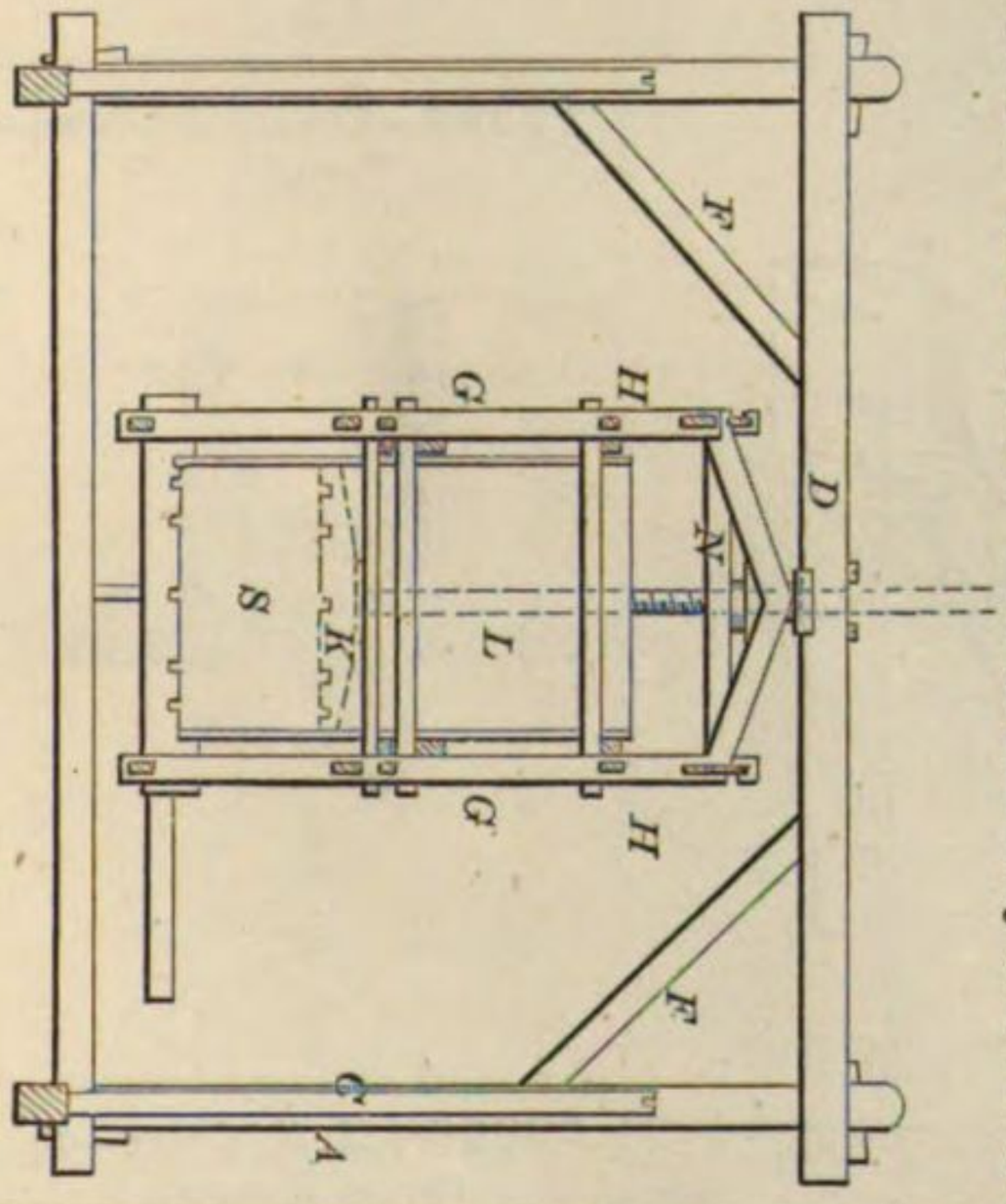
59353—D. H. Brown—*Water Wheel.*



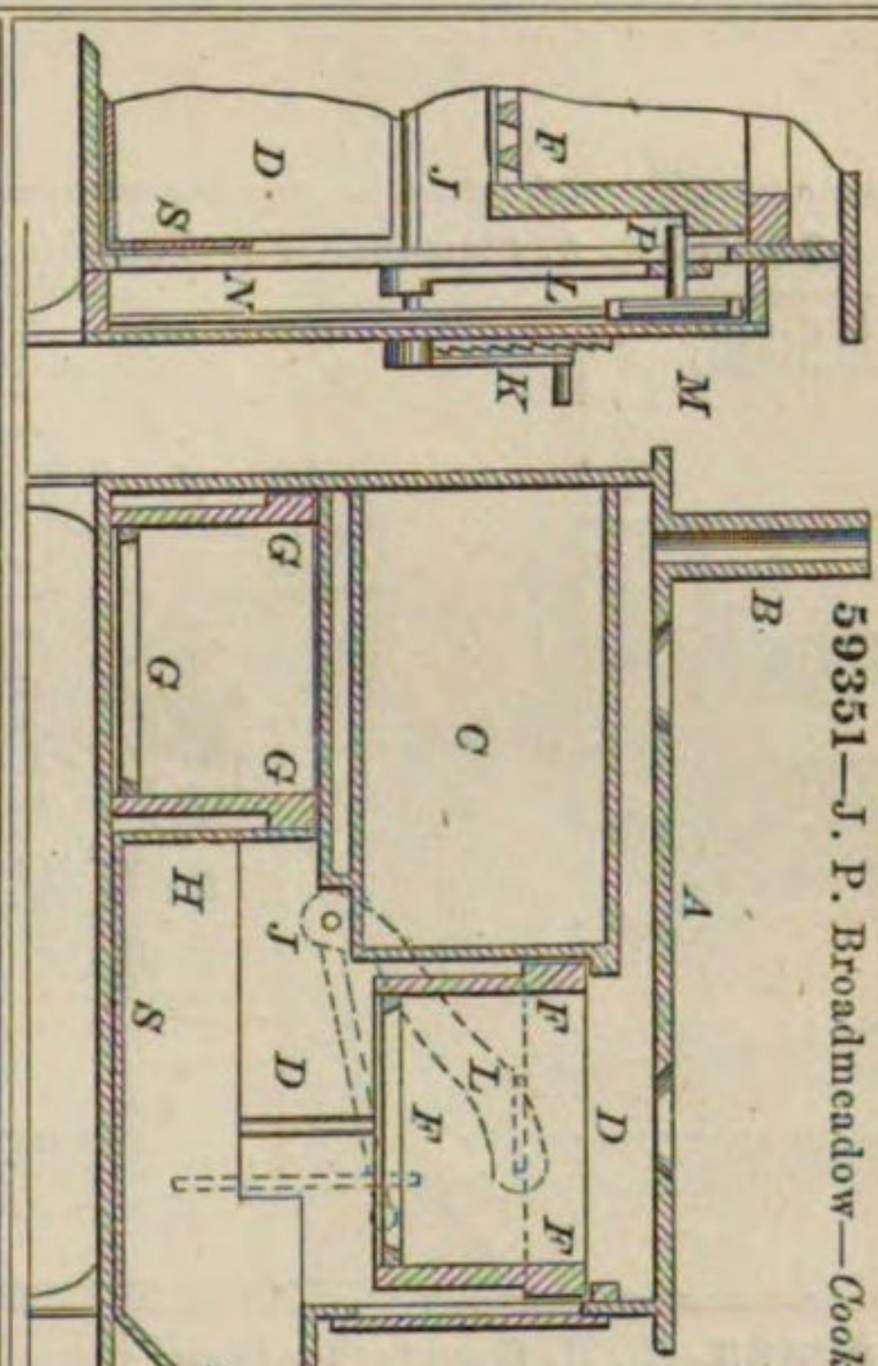
59354—R. Burdett—*Reed Musical Instrument.*



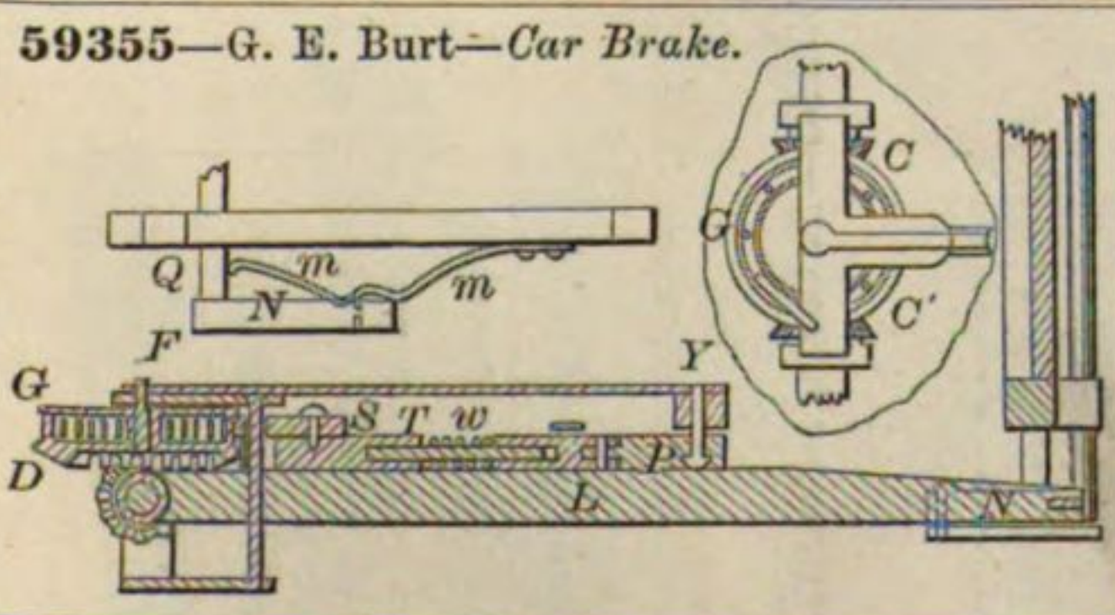
59352—R. M. Brooks—*Portable Revolving Screw Press.*



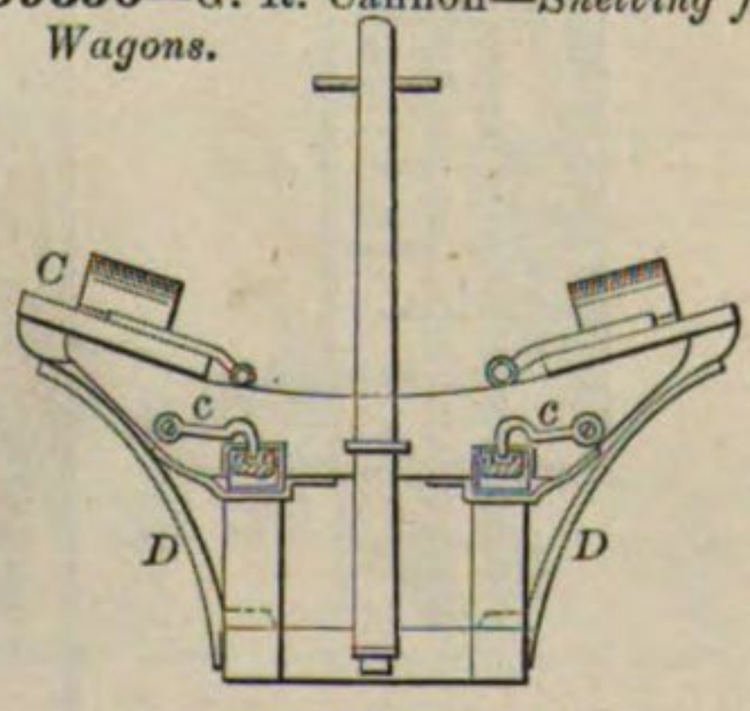
59351—J. P. Broadmeadow—*Cooking Stove.*



59355—G. E. Burt—*Car Brake.*

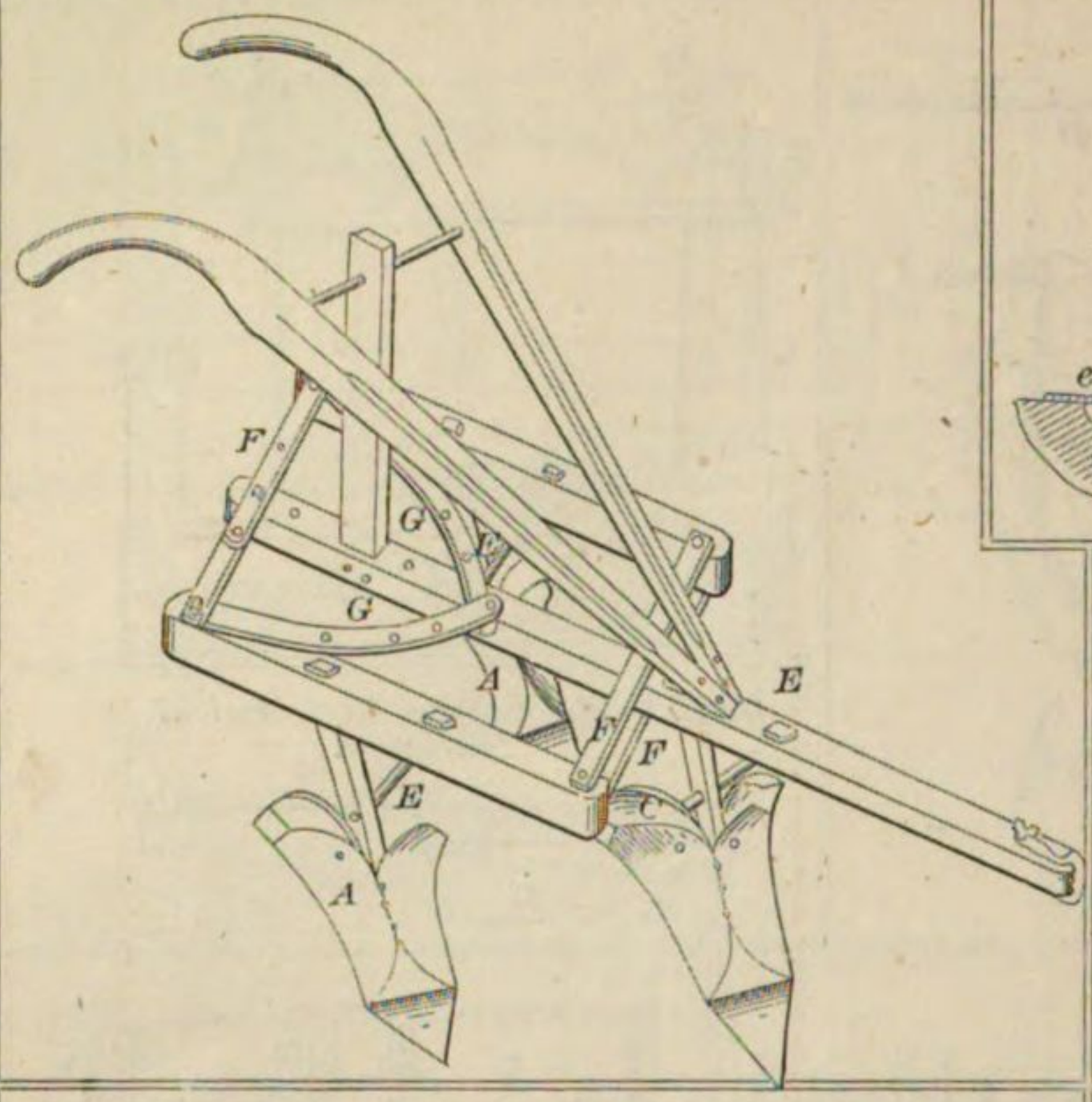


59356—G. R. Cannon—*Shelving for Wagons.*

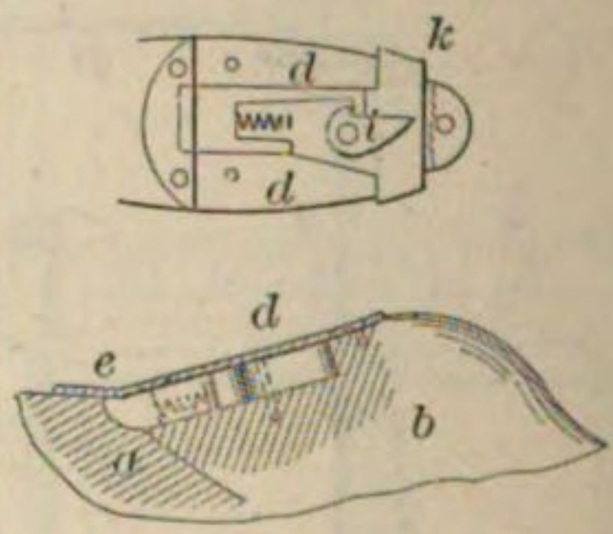


59357—O. F. Case—*Water Proof Sole.*

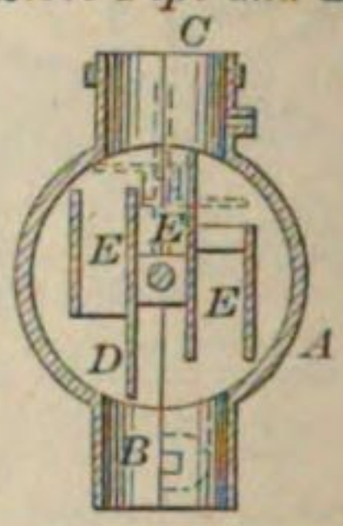
59358—L. J. Caswell—*Cultivator.*



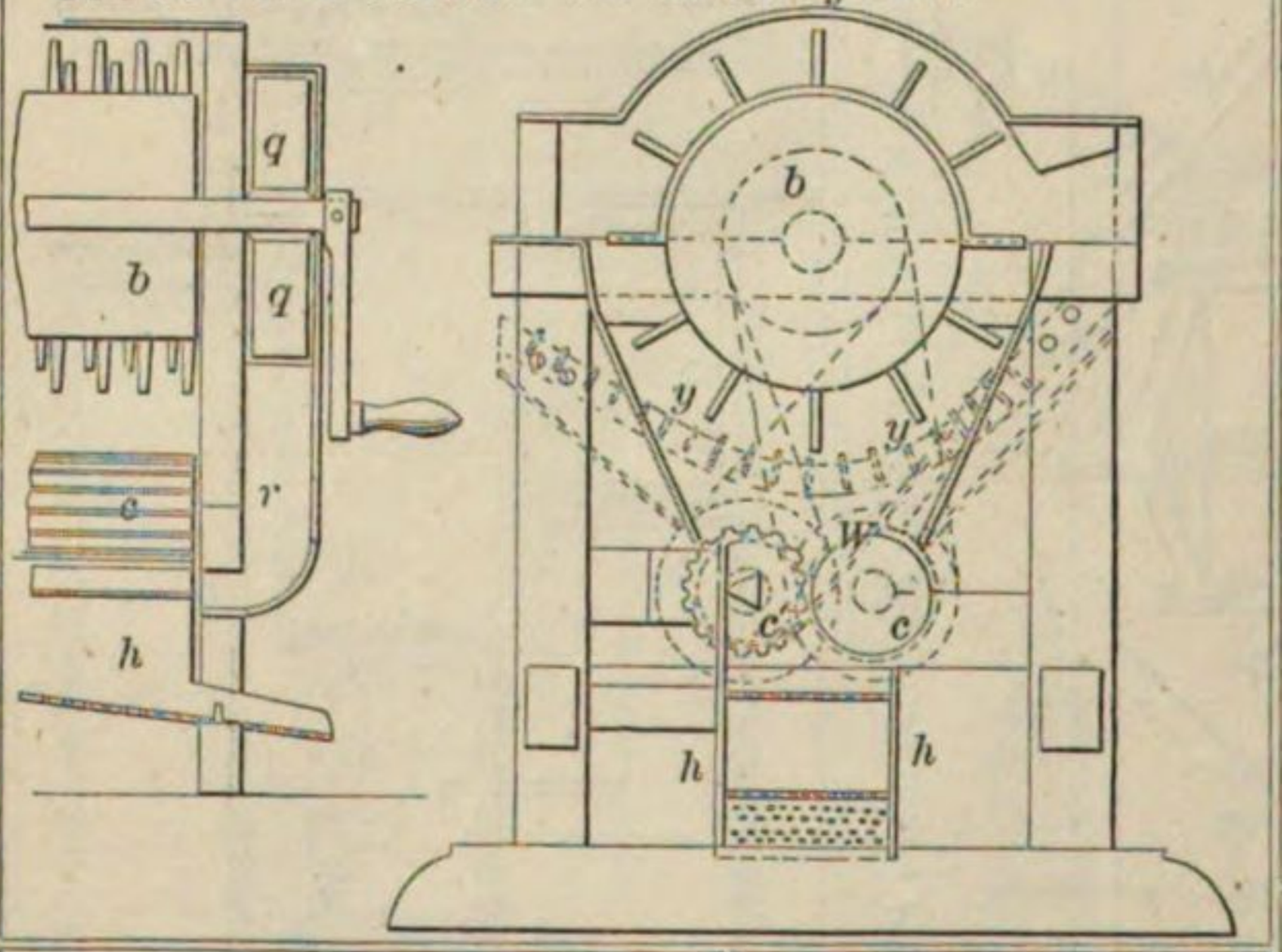
59359—P. C. Clapp—*Last.*



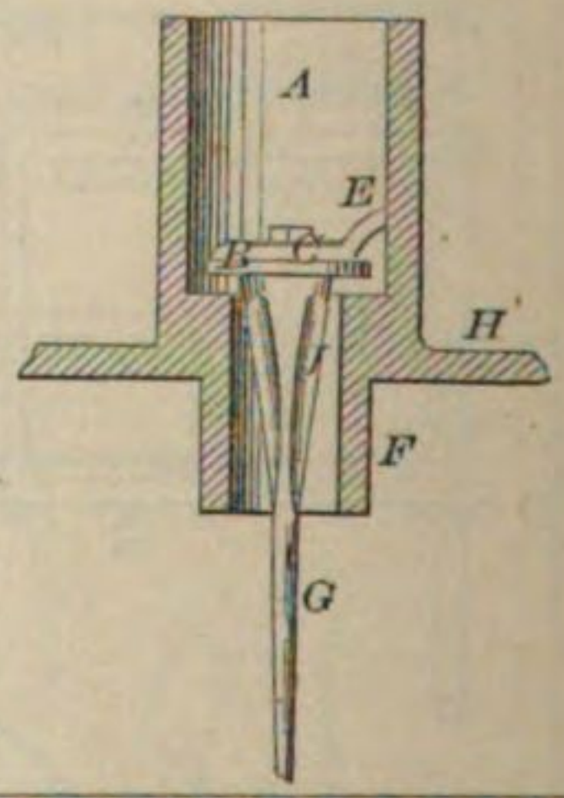
59362—L. R. Comstock—*Stove Pipe and Damper.*



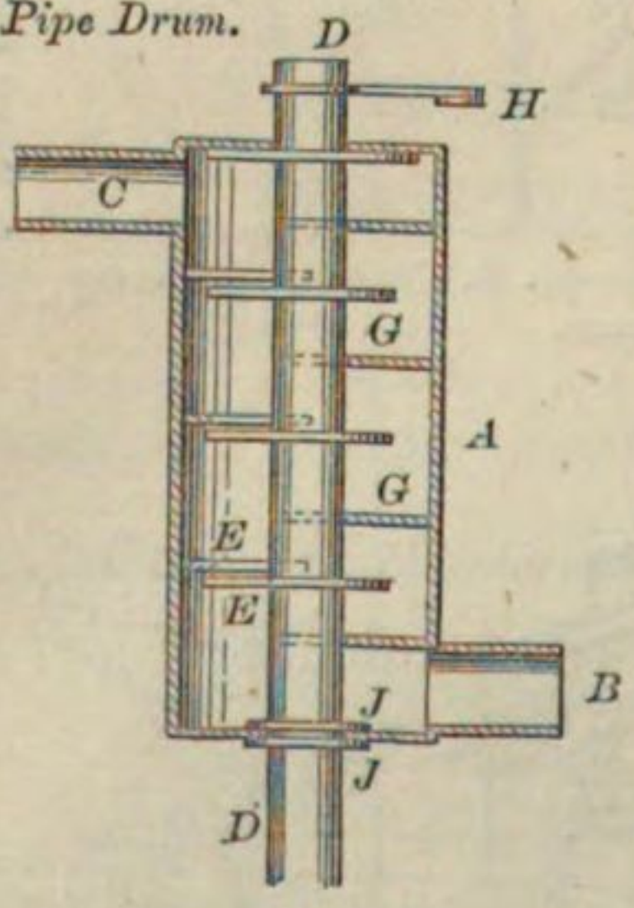
59360—S. A. Clemens—*For Threshing Flax.*



59364—Conant & Brown—*Pump.*

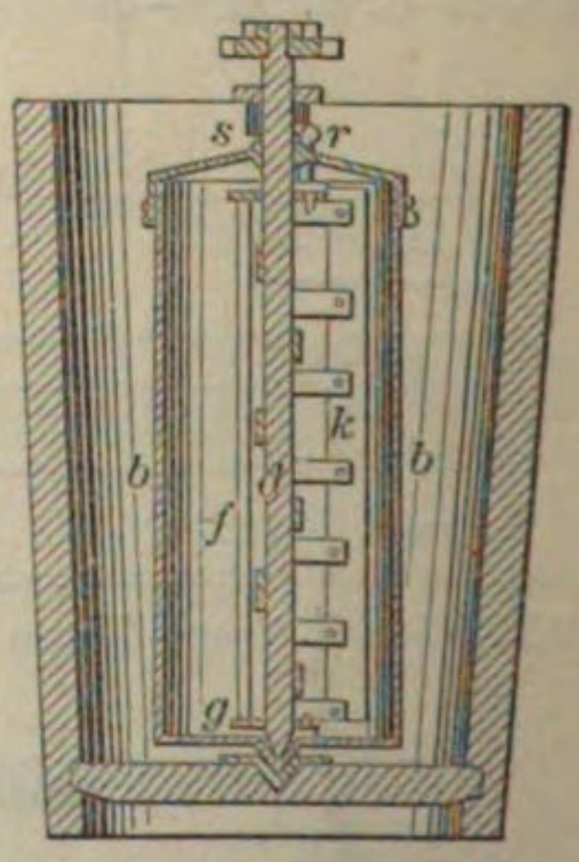


59363—L. R. Comstock—*Stove Pipe Drum.*

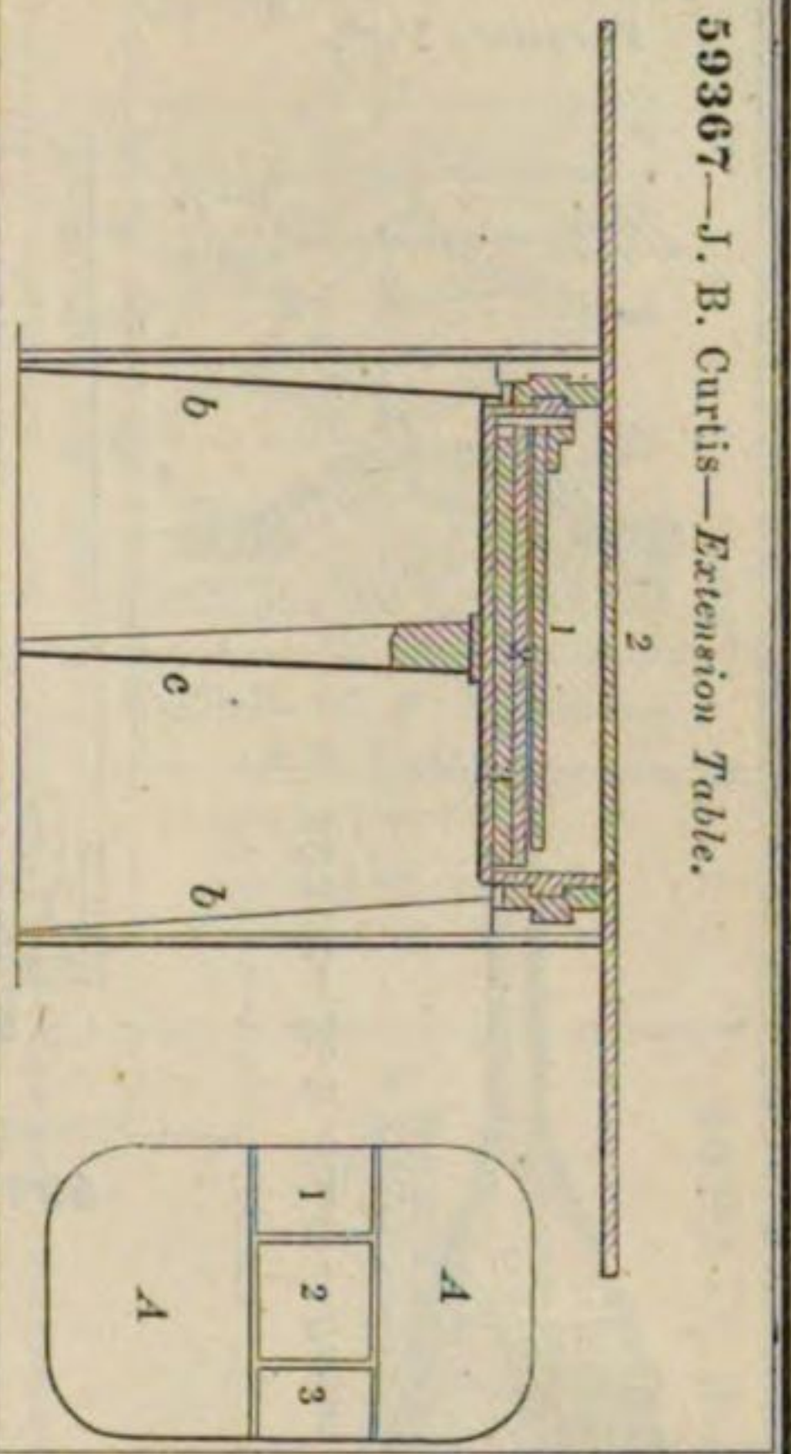


59365—R. Covington—*Shutter Hinge.*

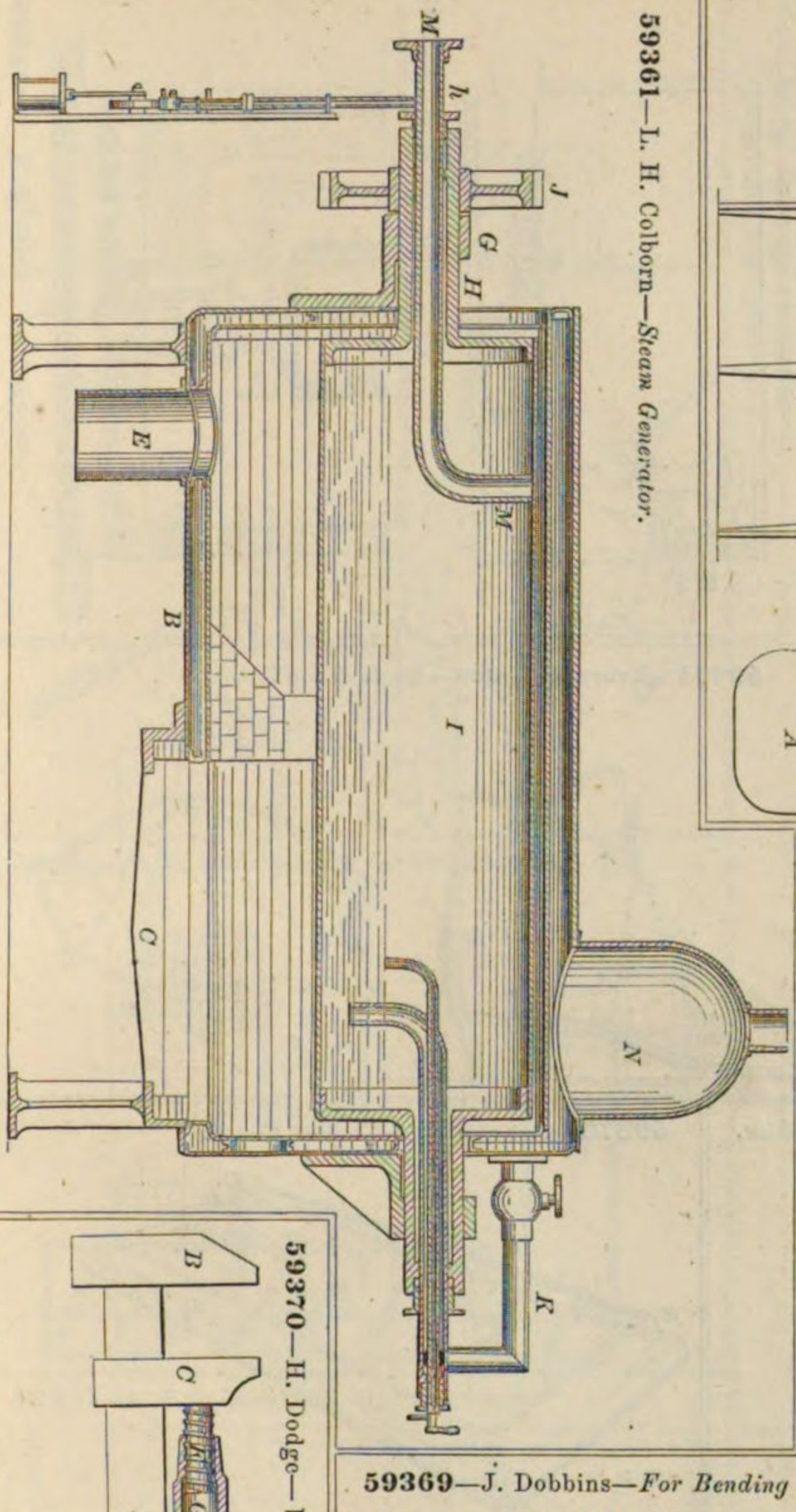
59366—M. G. Crane—*Ice Cream Freezer.*



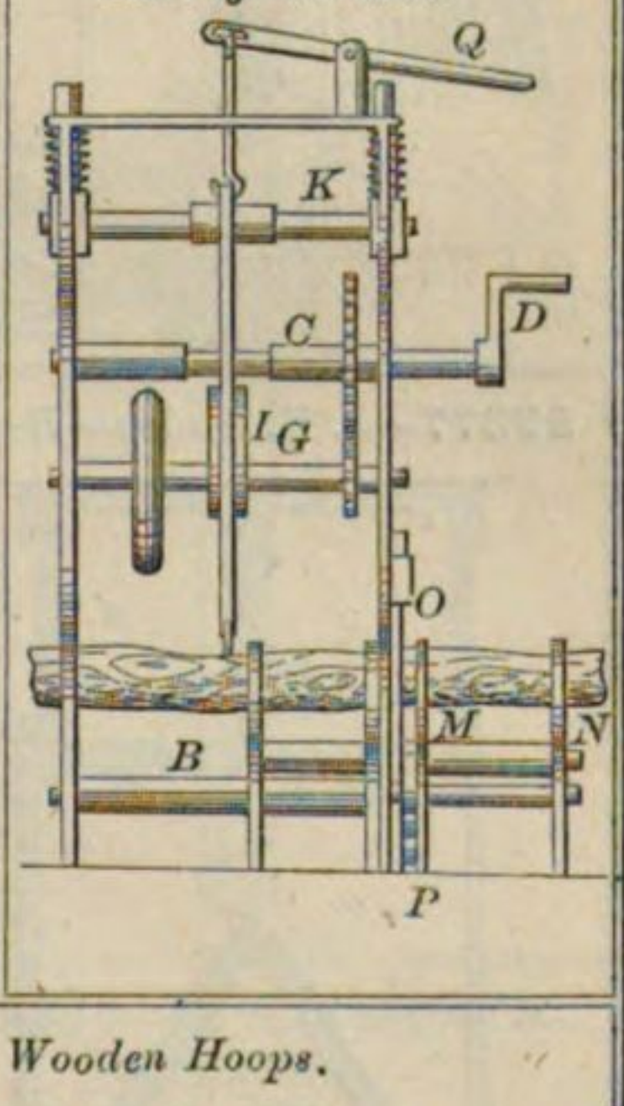
59367—J. B. Curtis—*Extension Table.*



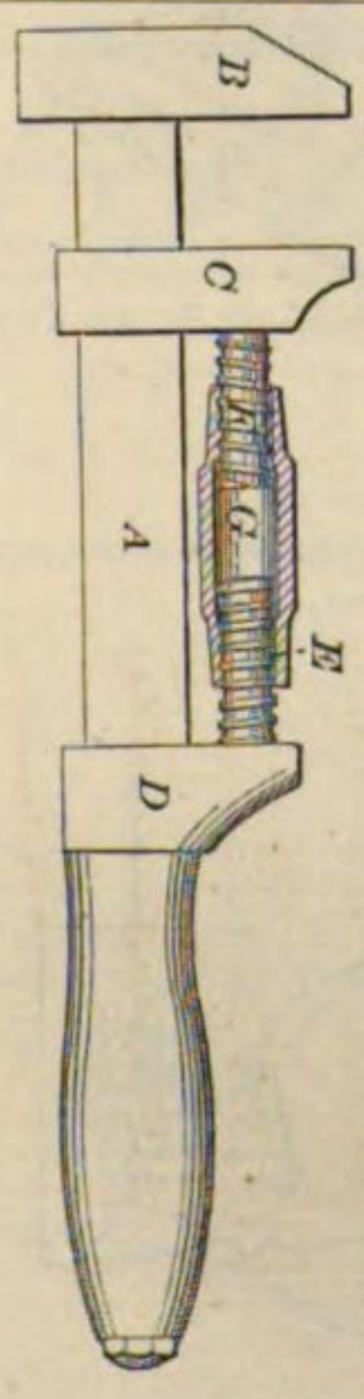
59361—L. H. Colborn—*Steam Generator.*



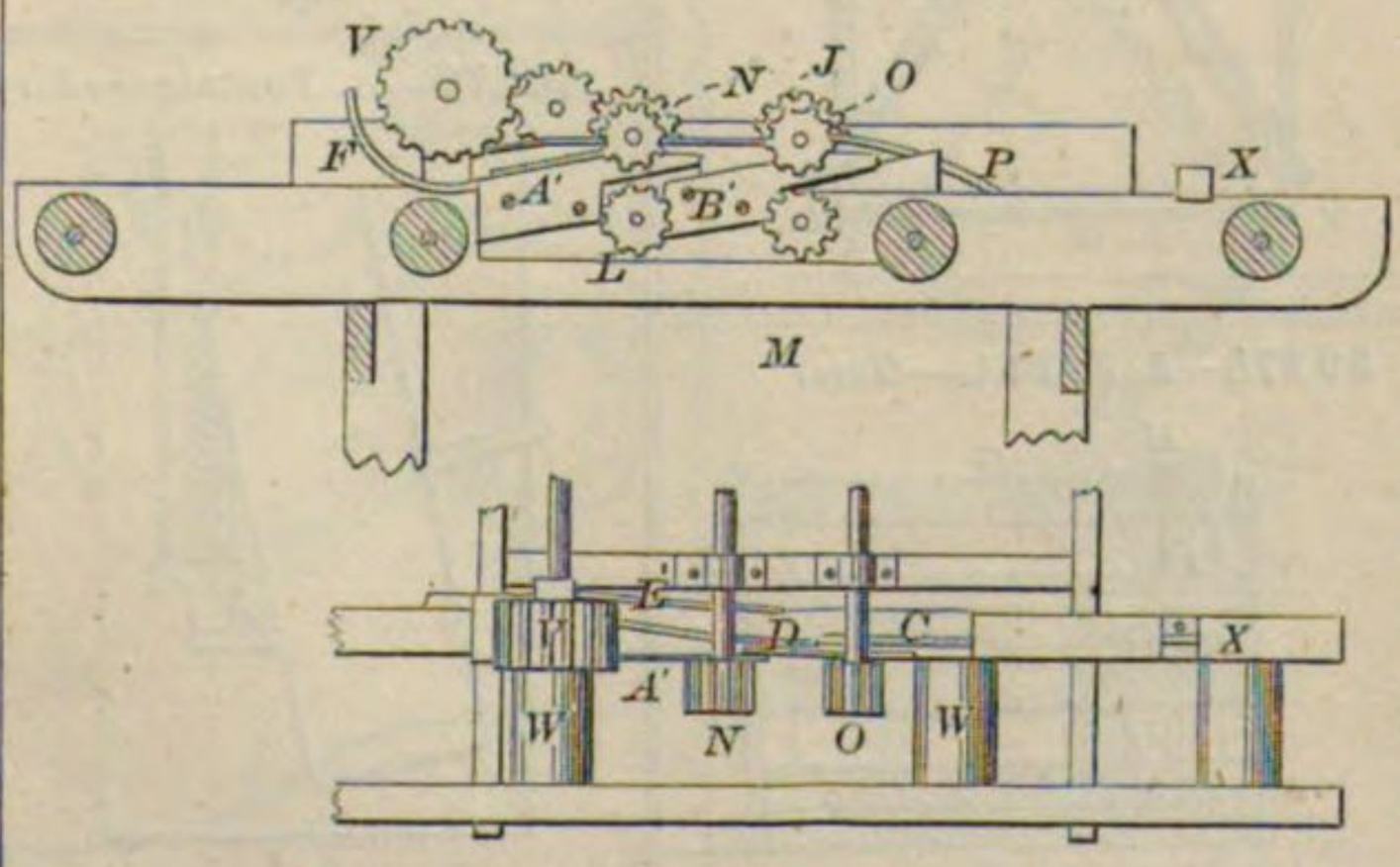
59368—H. A. Daniels—*Sawing Machine.*



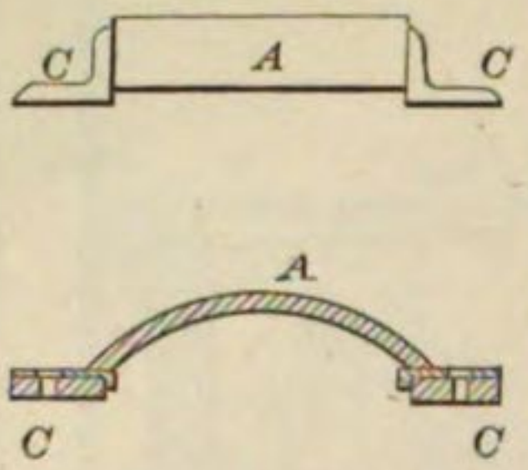
59370—H. Dodge—*Wrench.*



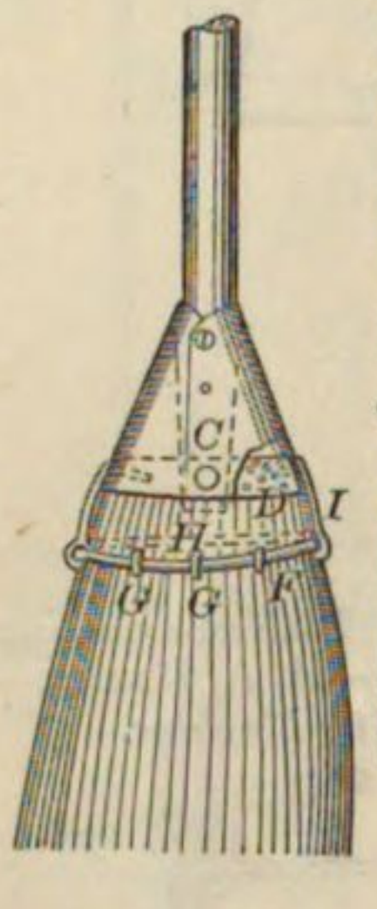
59369—J. Dobbins—*For Bending Wooden Hoops.*



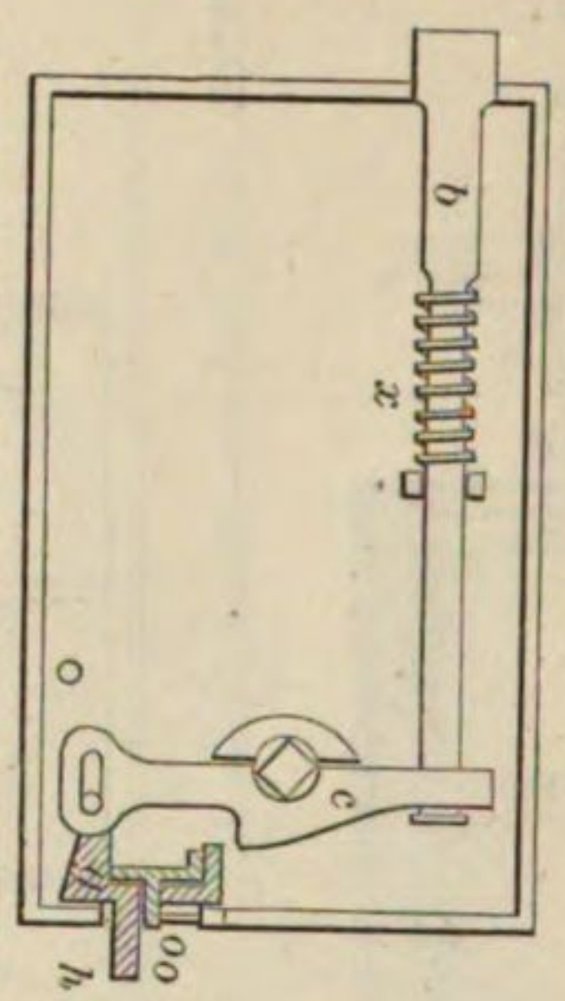
59371—J. E. Earle—*Furniture Pad.*



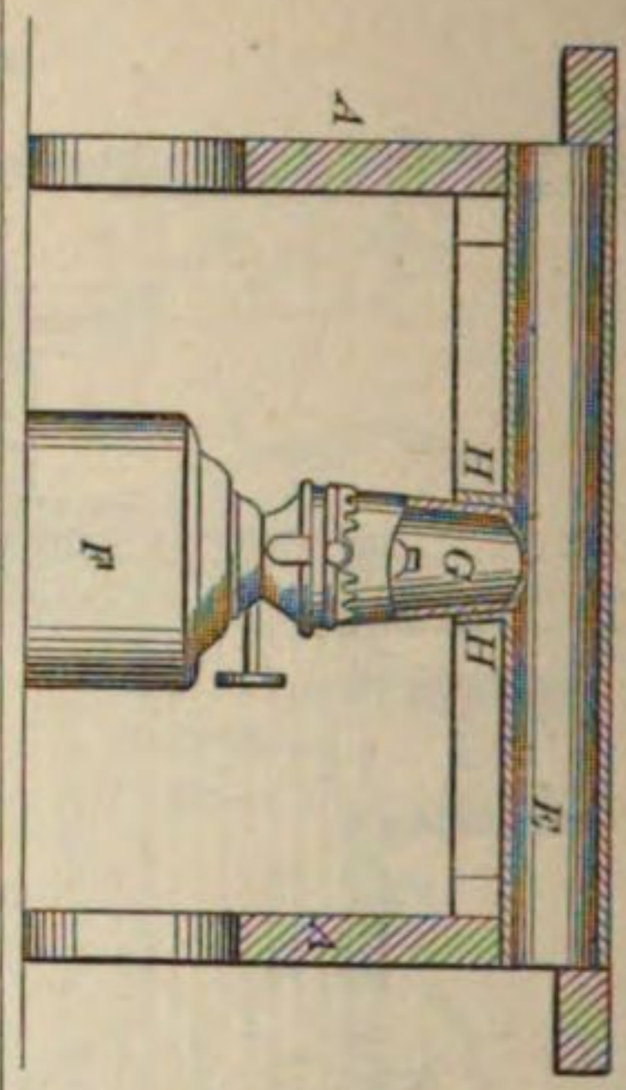
59372—B. F. Early—*Broom Head.*



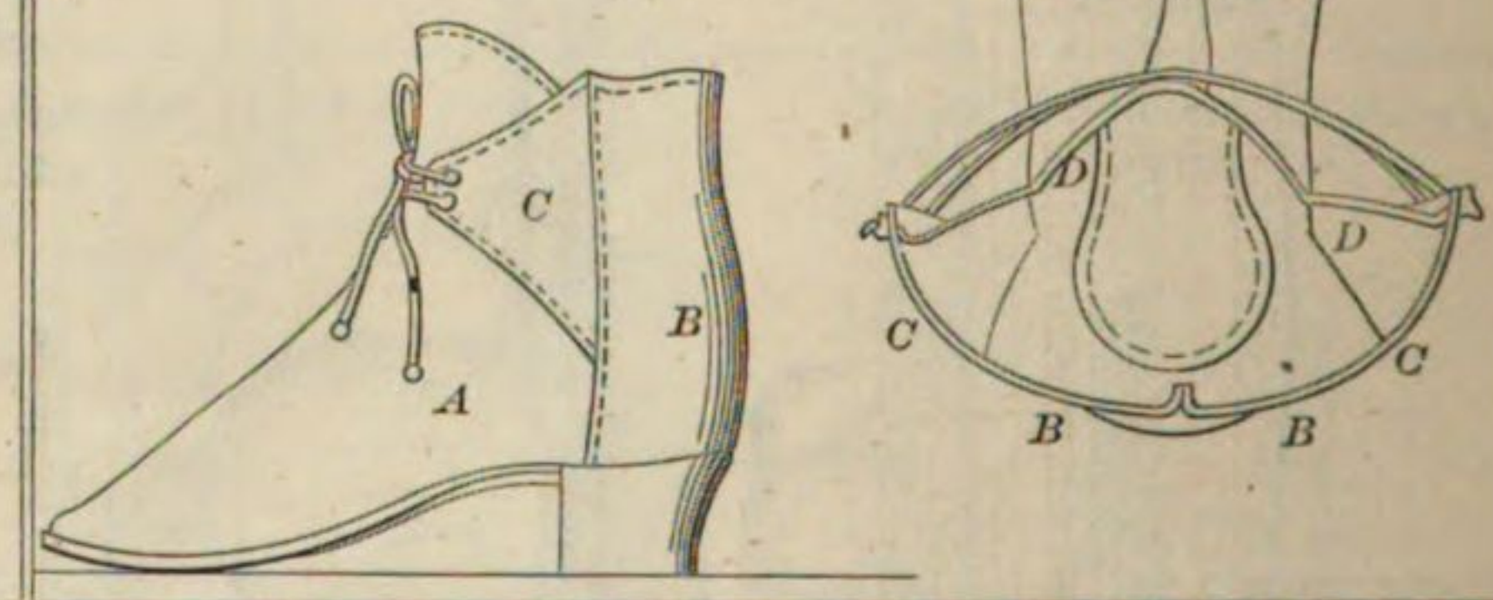
59373—B. Erbe—*Door Latch.*



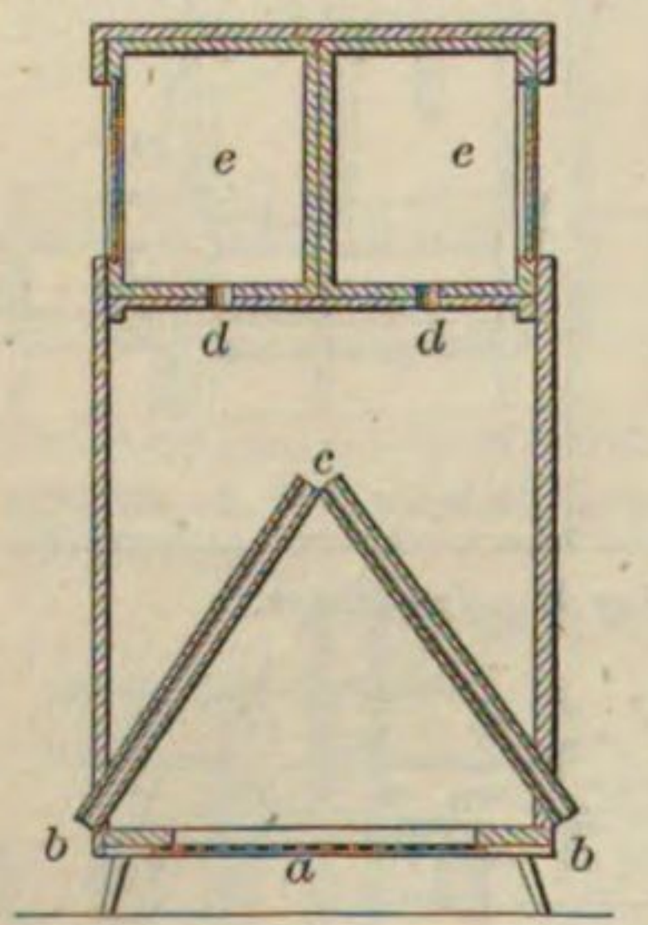
59374—C. R. Everson—*Foot Warmer.*



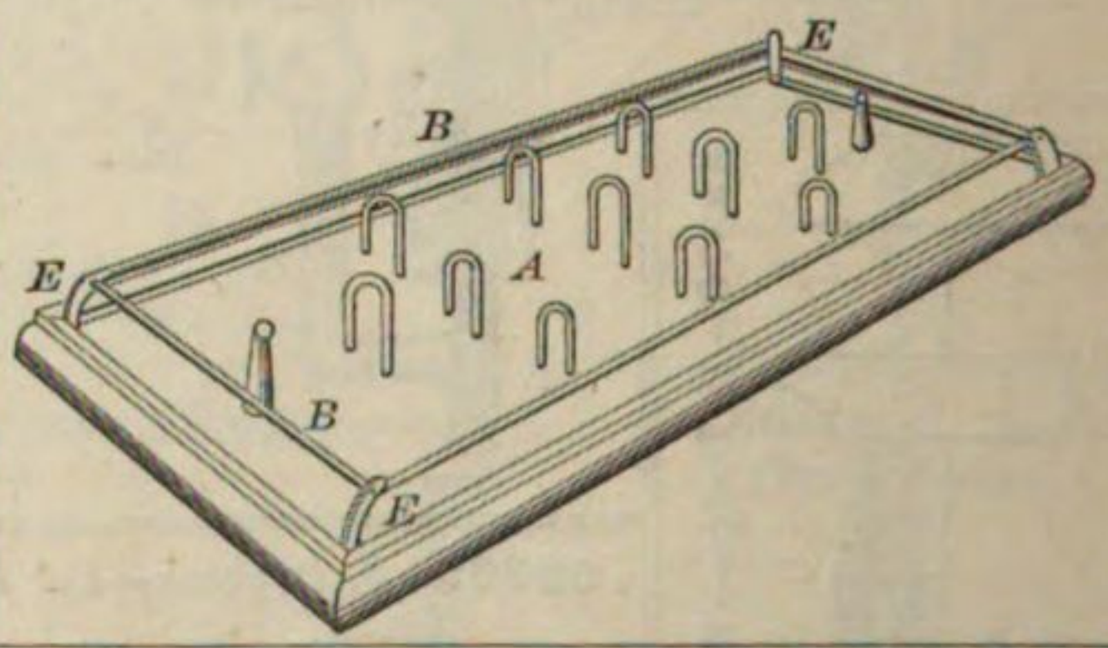
59375—Evory & Heston—*Boots and Shoes.*



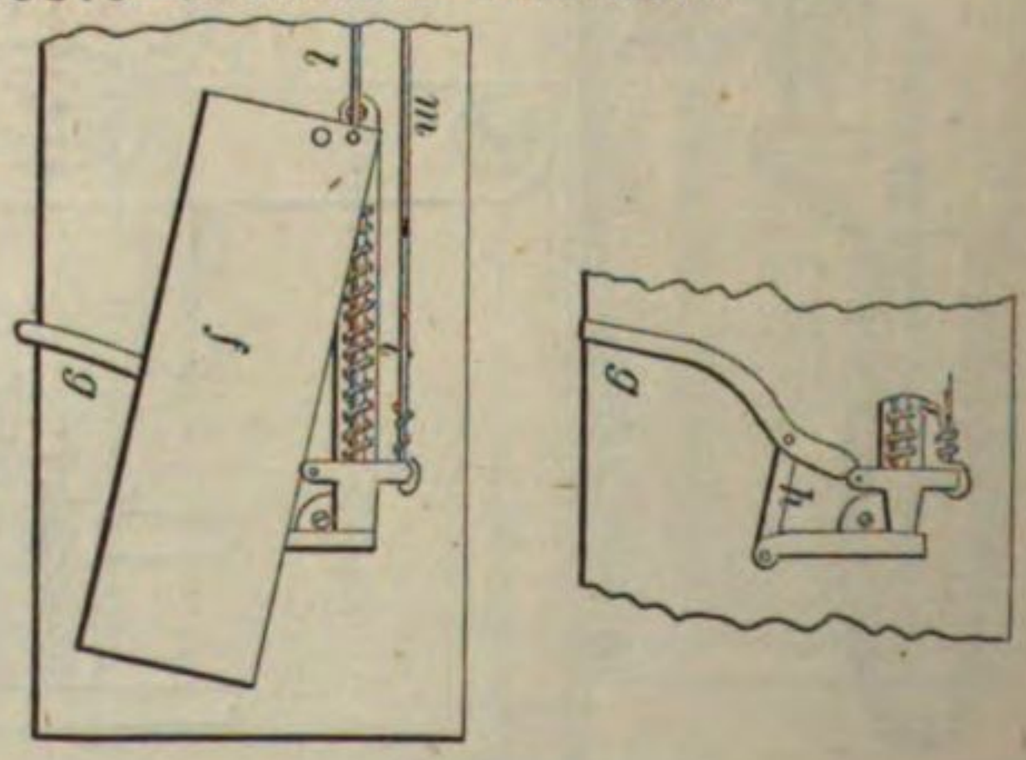
59377—J. E. Finley—*Beehive.*



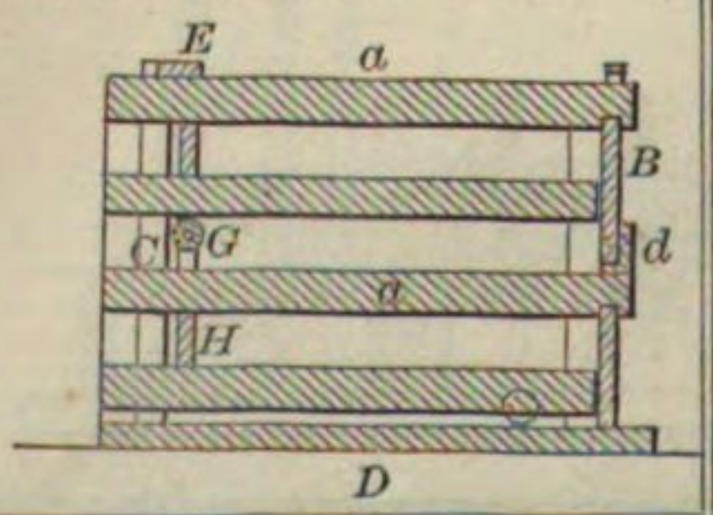
59376—J. Federhen—*Croquet Board.*



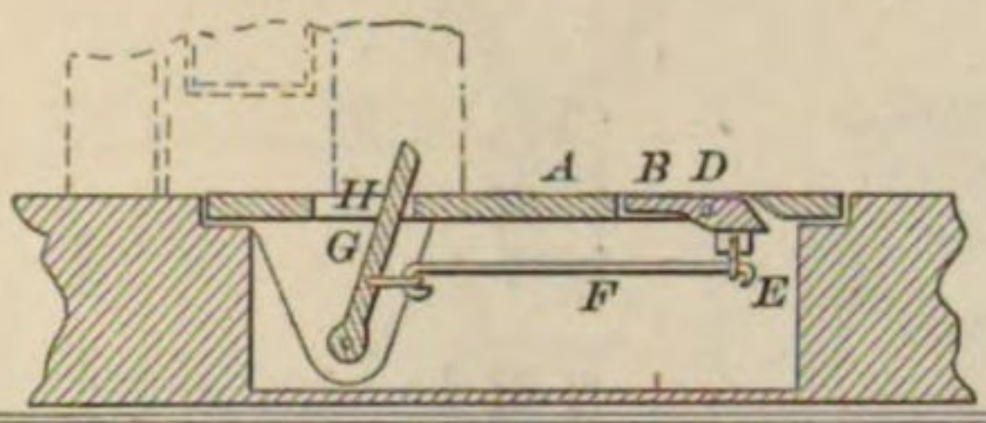
59379—A. Fontaine—*Fire Alarm.*



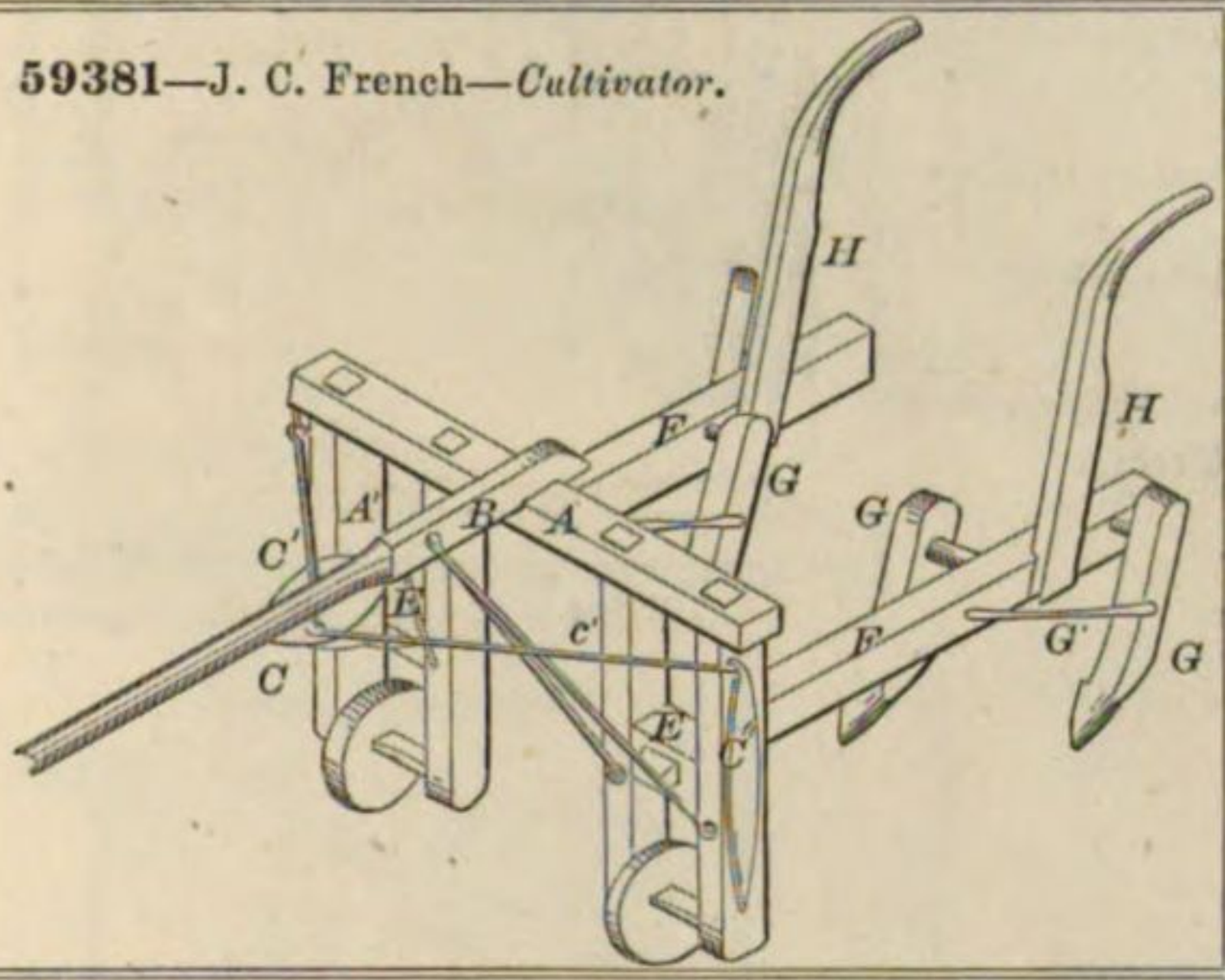
59378—J. E. Fitts—*Gate.*



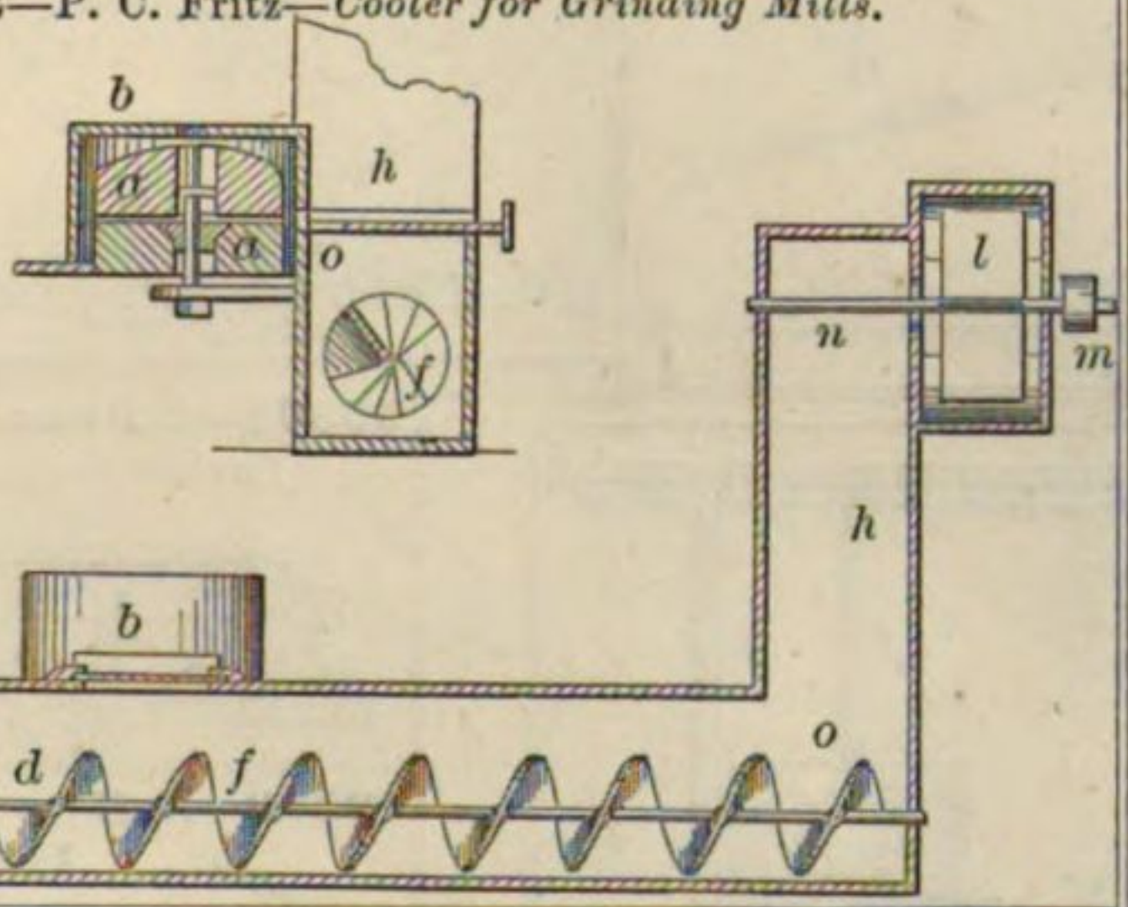
59380—W. H. Fowler—*Door Catch.*



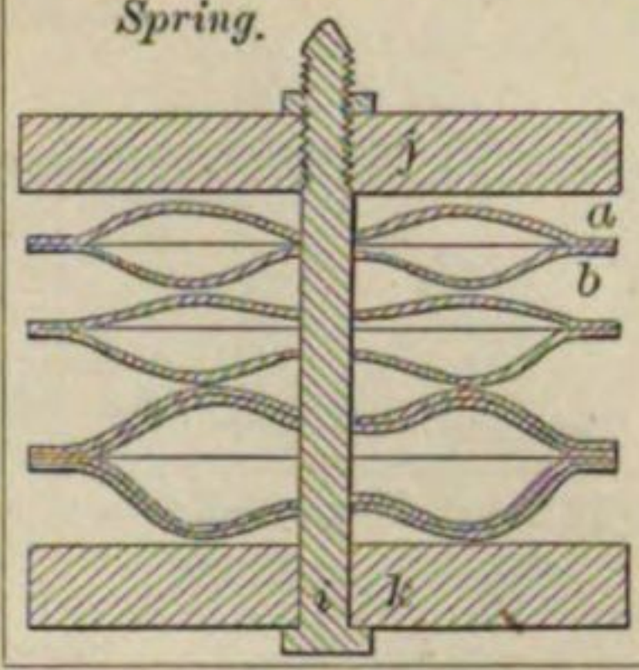
59381—J. C. French—*Cultivator.*



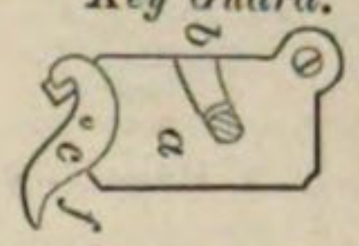
59382—P. C. Fritz—*Cooler for Grinding Mills.*



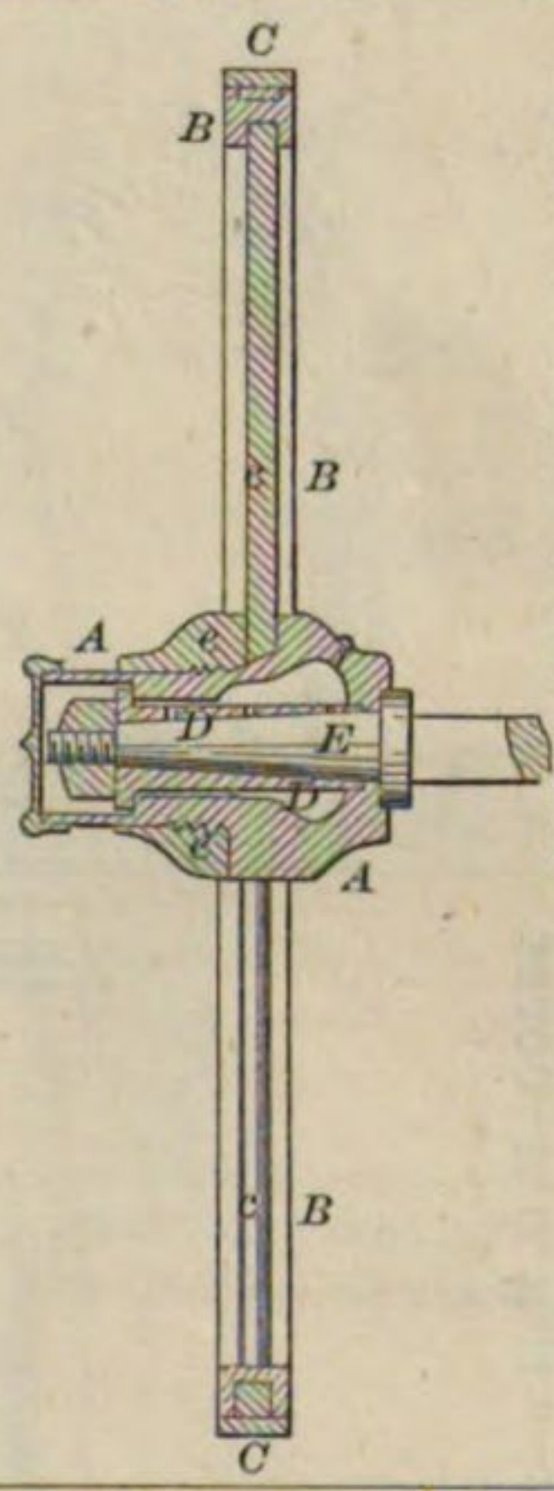
59384—C. Glidden—*Car Spring.*



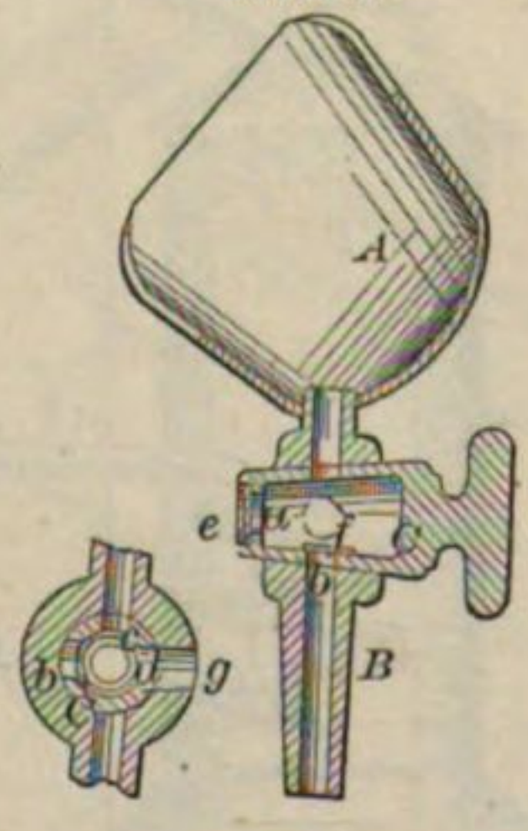
59383—E. P. Furlong—*Key Guard.*



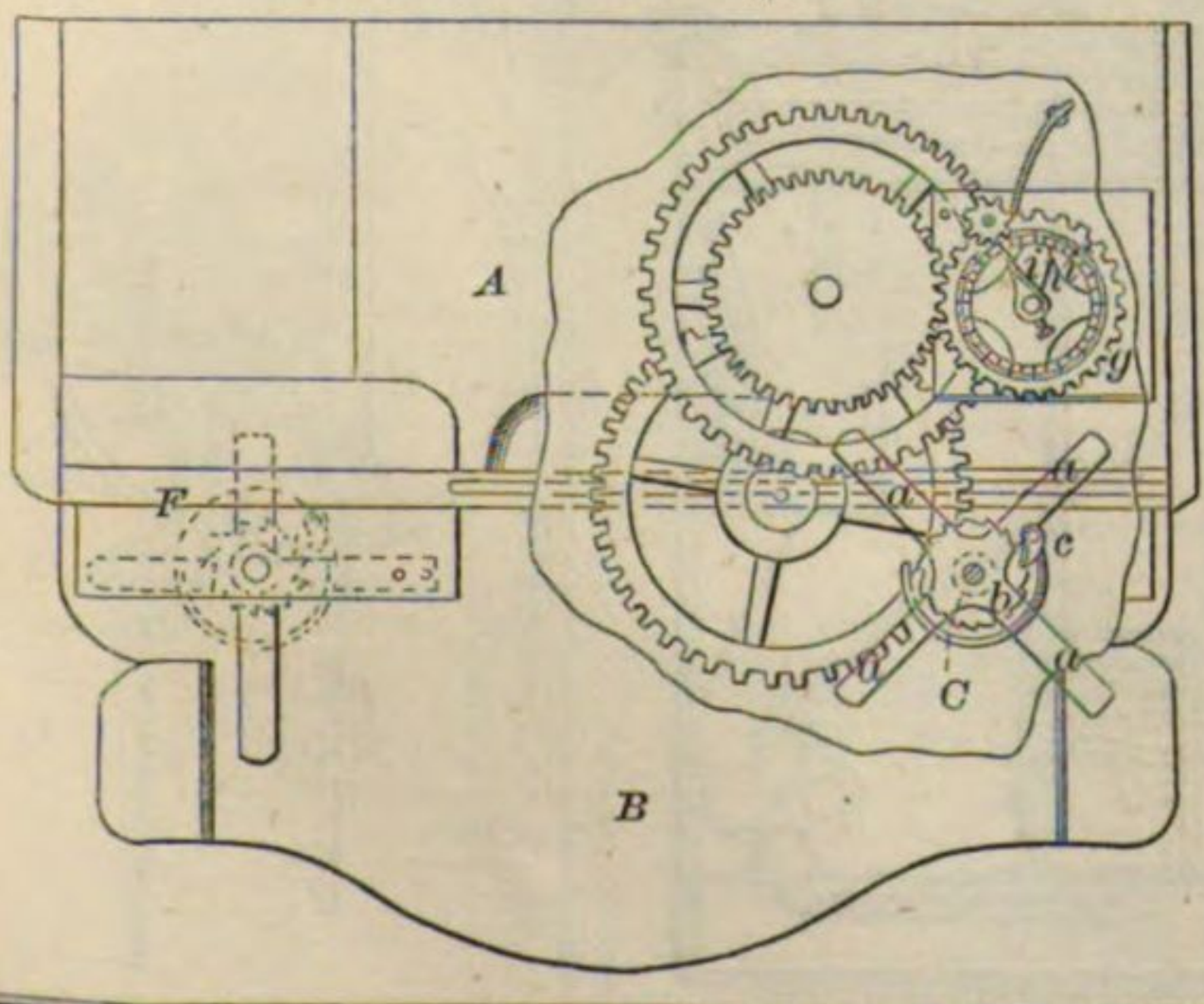
59385—C. Godden—*Vehicle Wheel.*



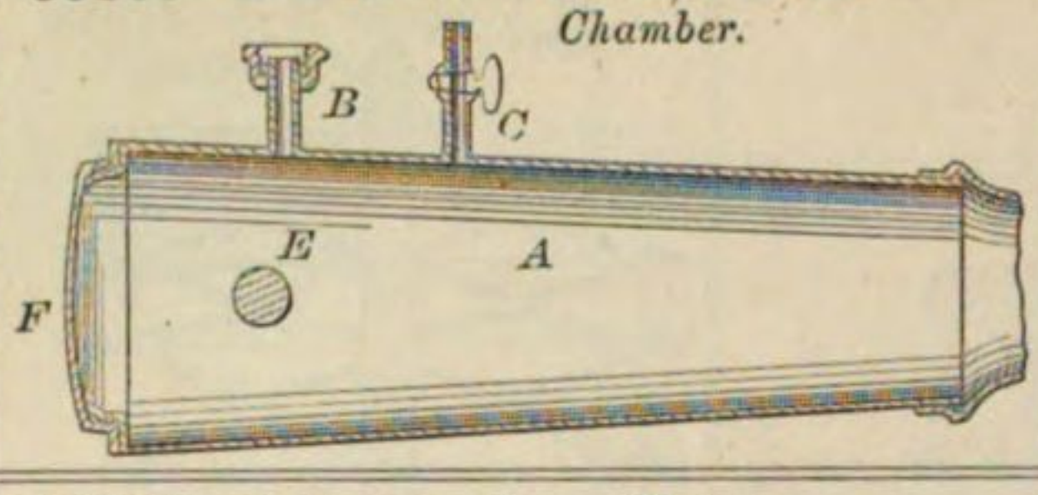
59386—D. H. Goodwillie—*Inhaler.*



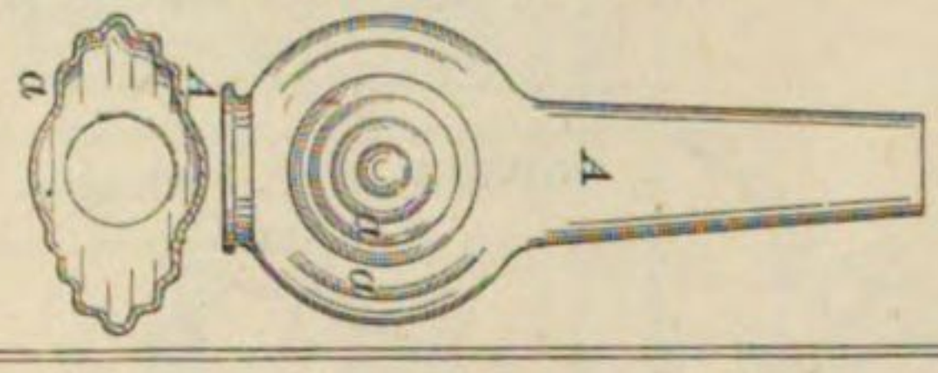
59387—J. & C. Gschwind—*Car Register.*



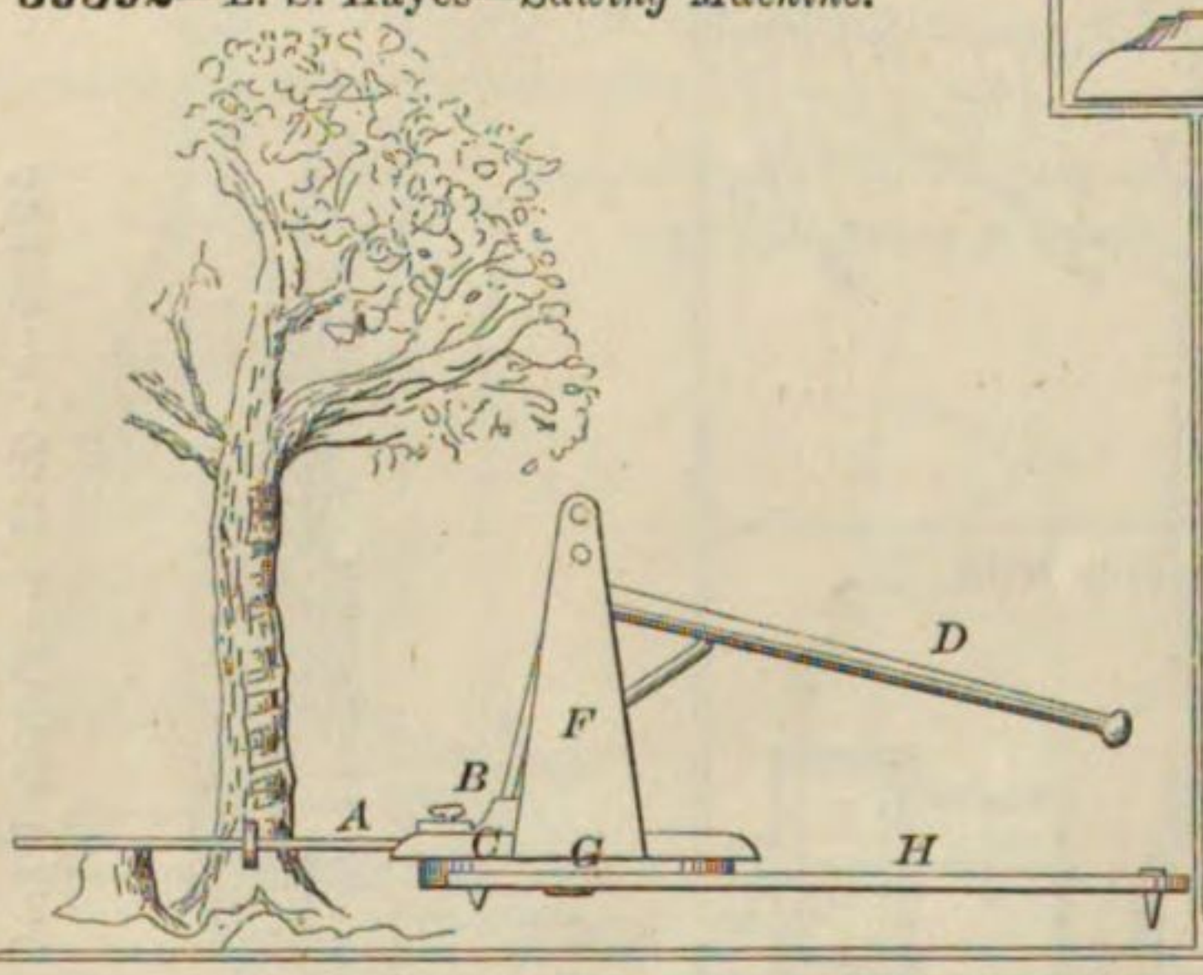
59388—G. Hadfield—*Medical Vacuum Chamber.*



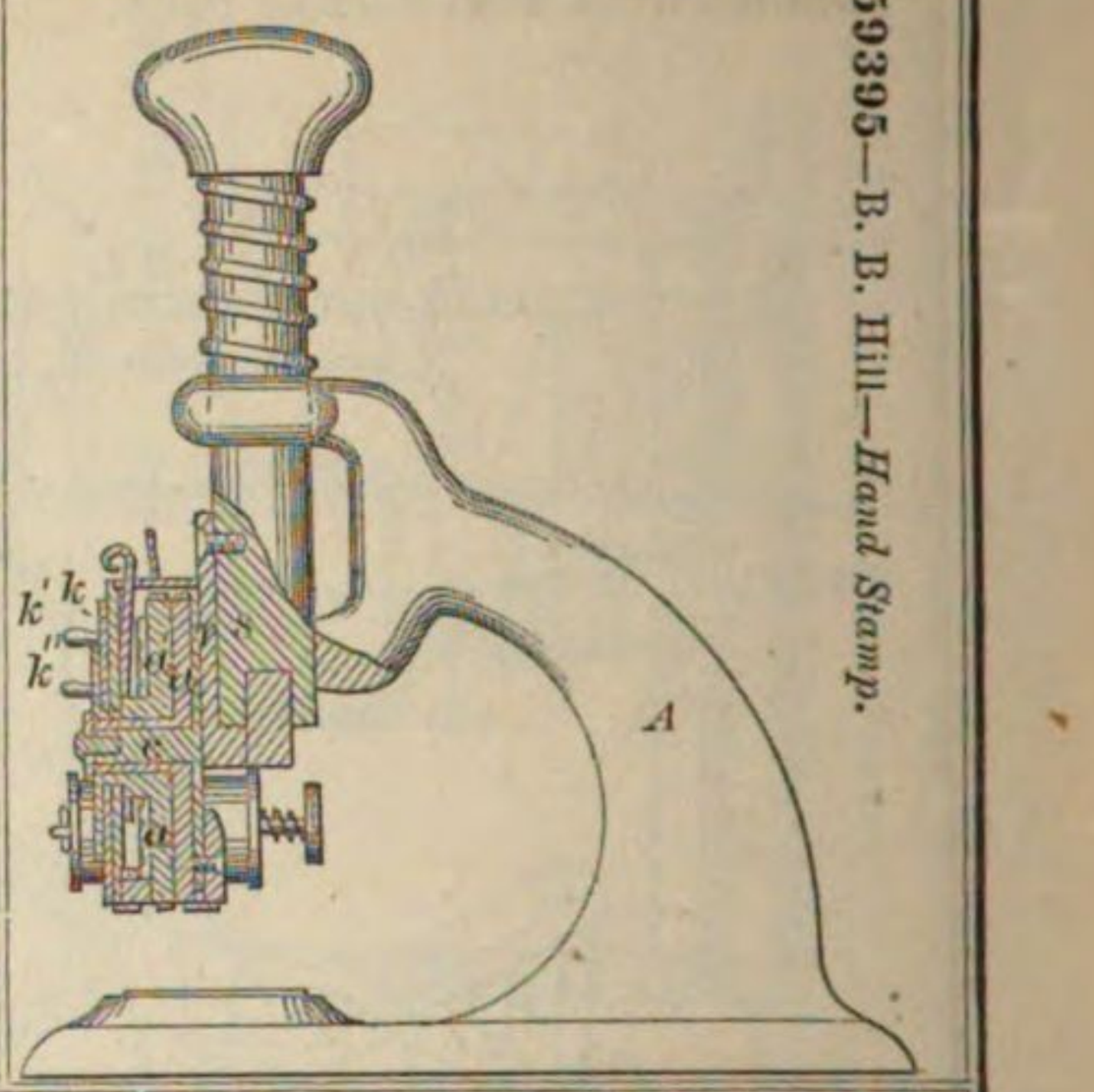
59389—P. Hagan—*Lamp Chimney.*



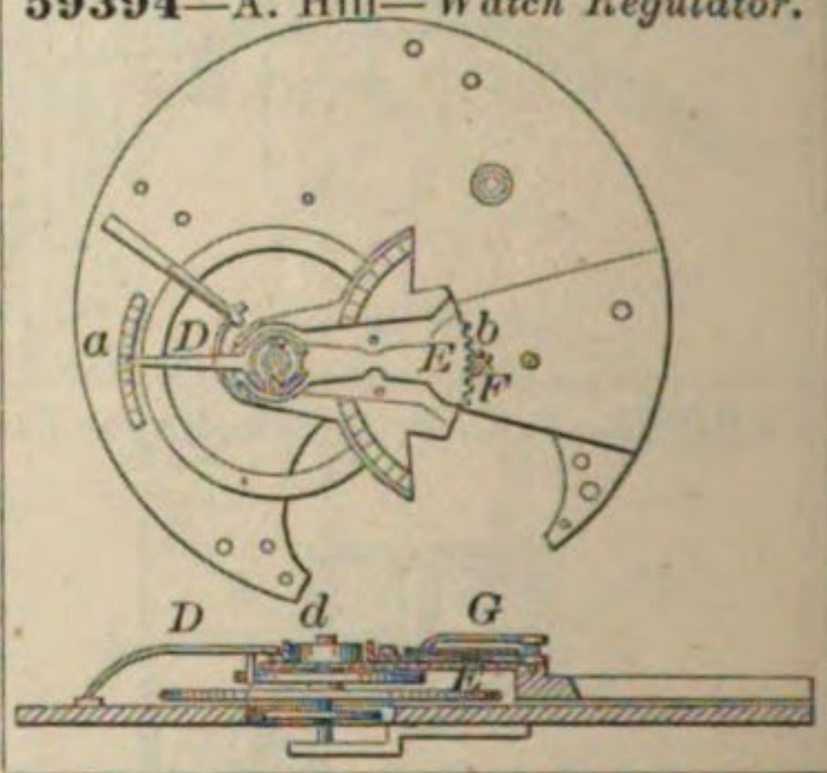
59392—L. S. Hayes—*Sawing Machine.*



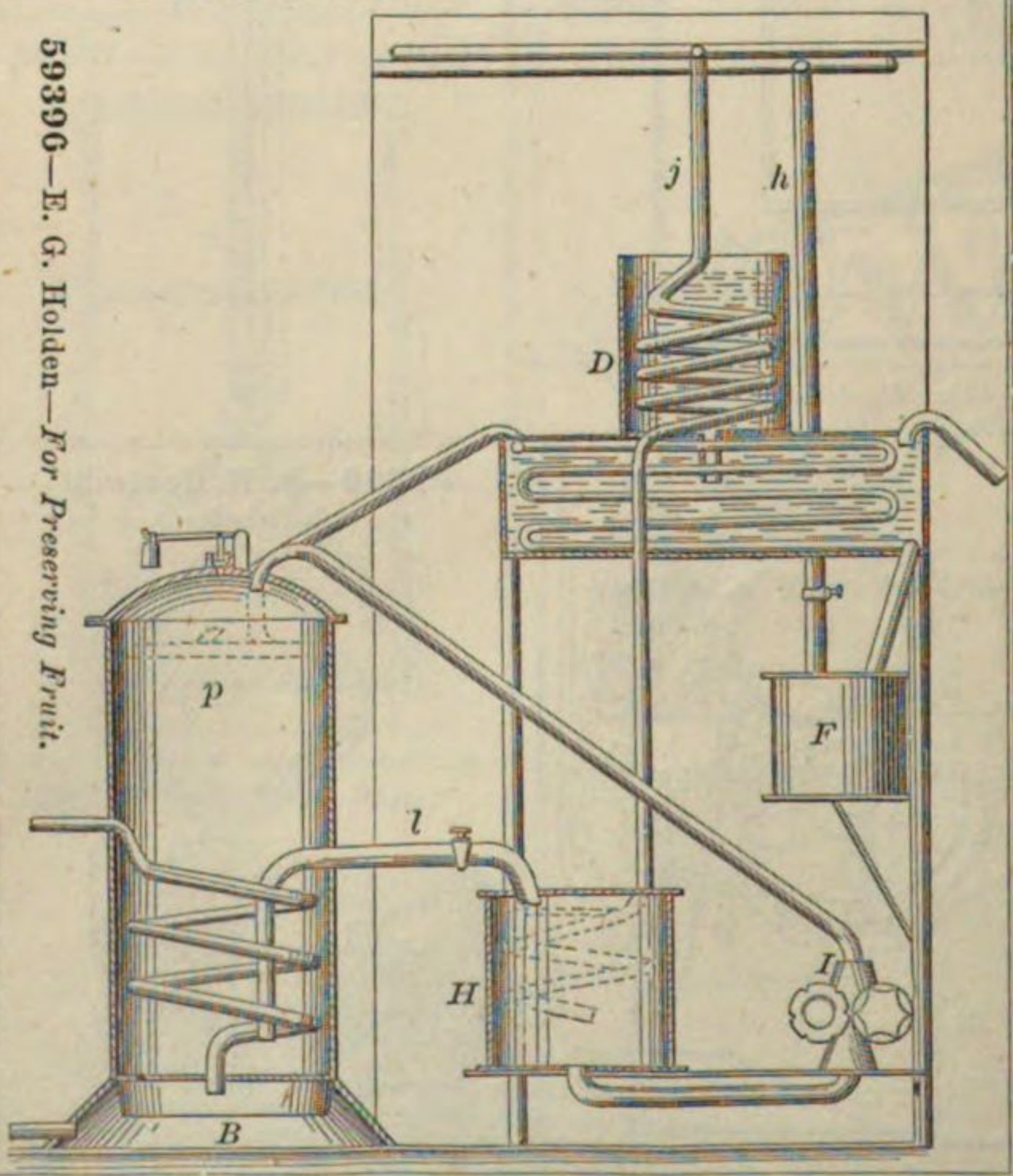
59395—B. B. Hill—*Hand Stamp.*



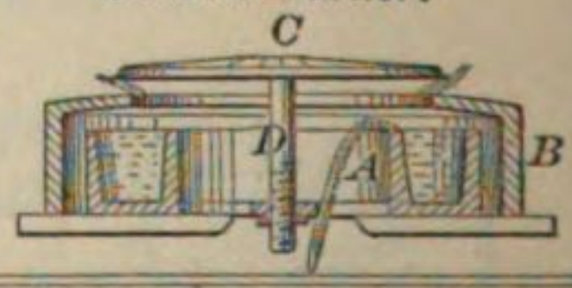
59394—A. Hill—*Watch Regulator.*



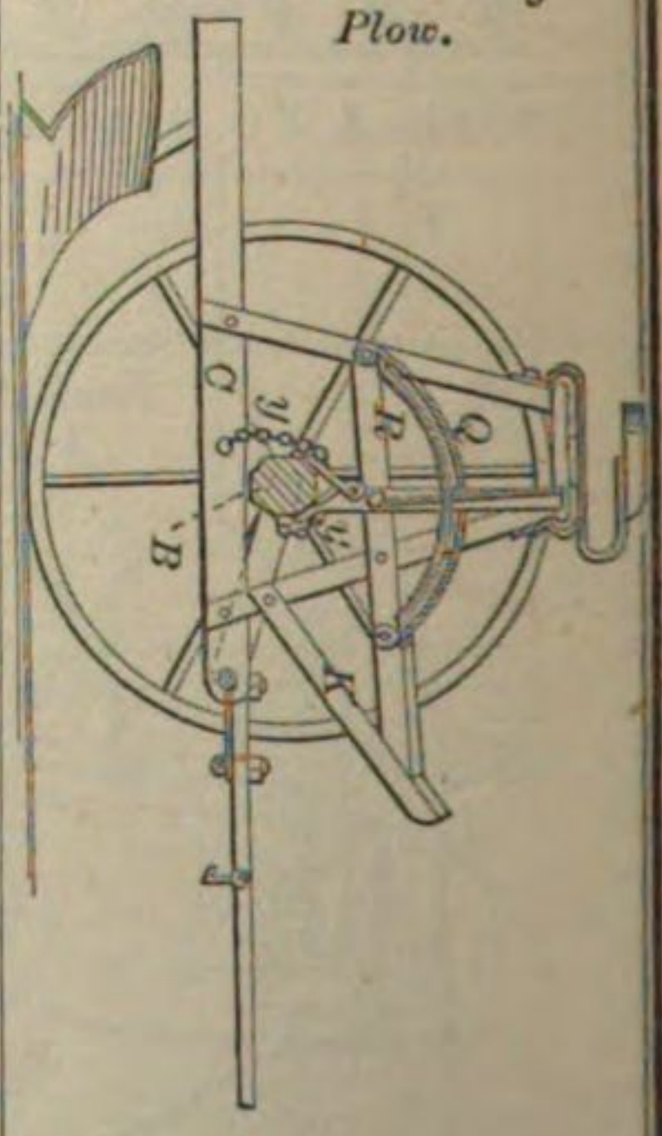
59396—E. G. Holden—*For Preserving Fruit.*



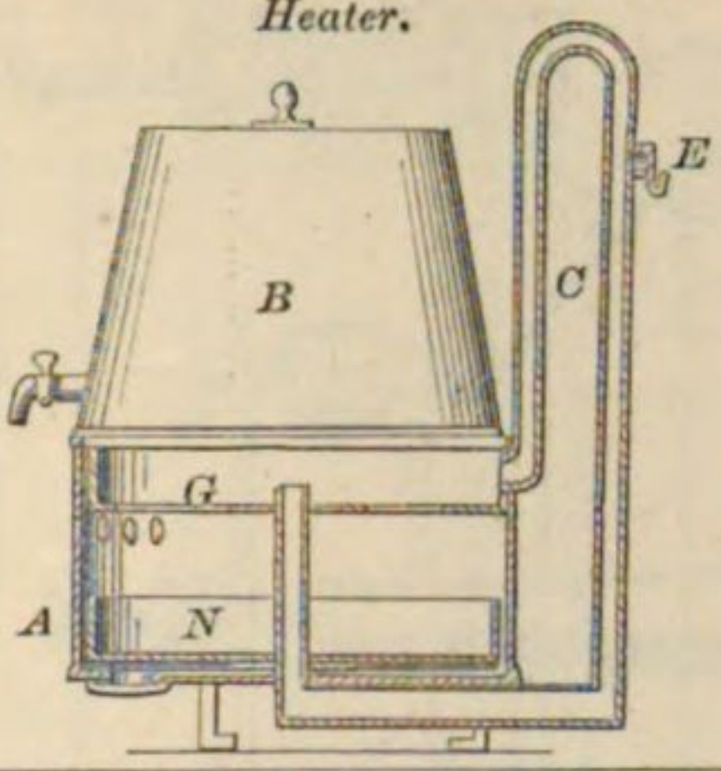
59393—I. Helme—*Hydro-Carbon Burner.*



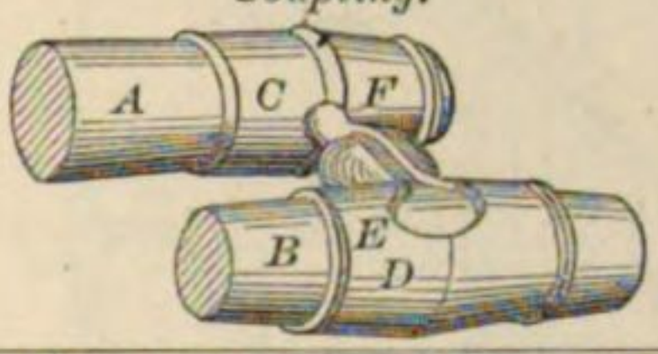
59390—A. Hale—*Sulky Plow.*



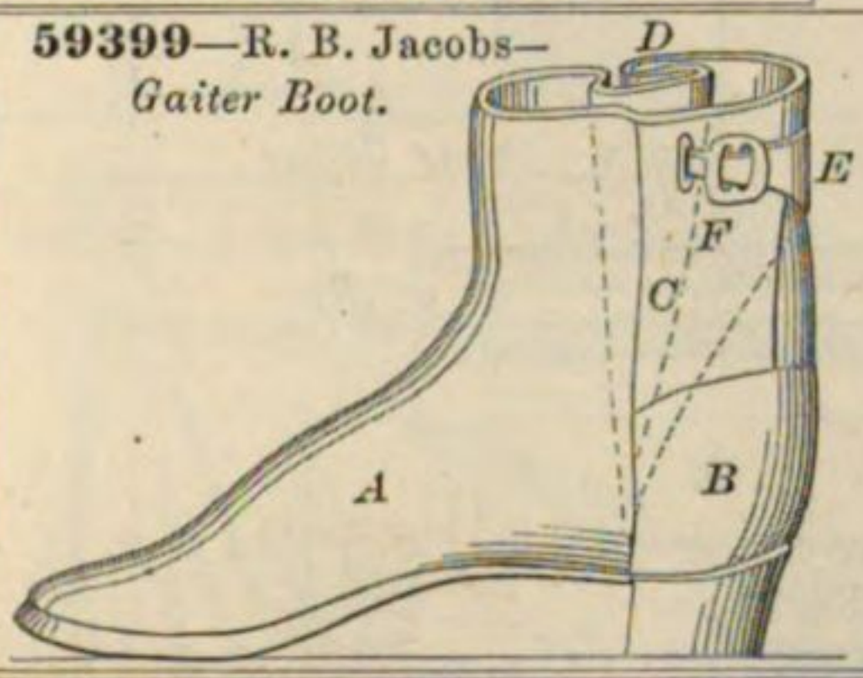
59397—A. T. Hutson—*Portable Heater.*



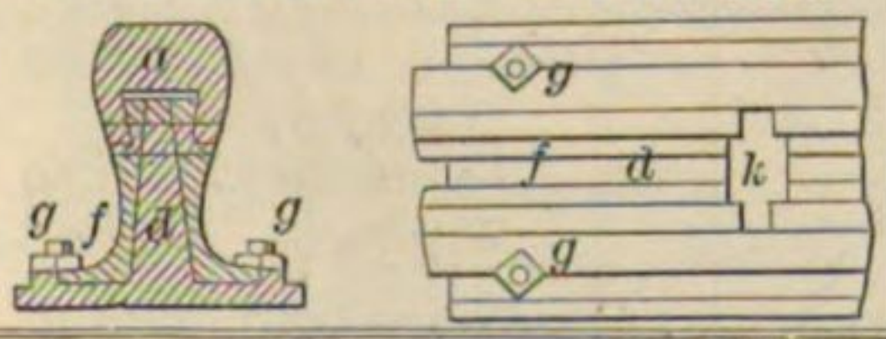
59398—J. Hyde—*Whiffletree Coupling.*



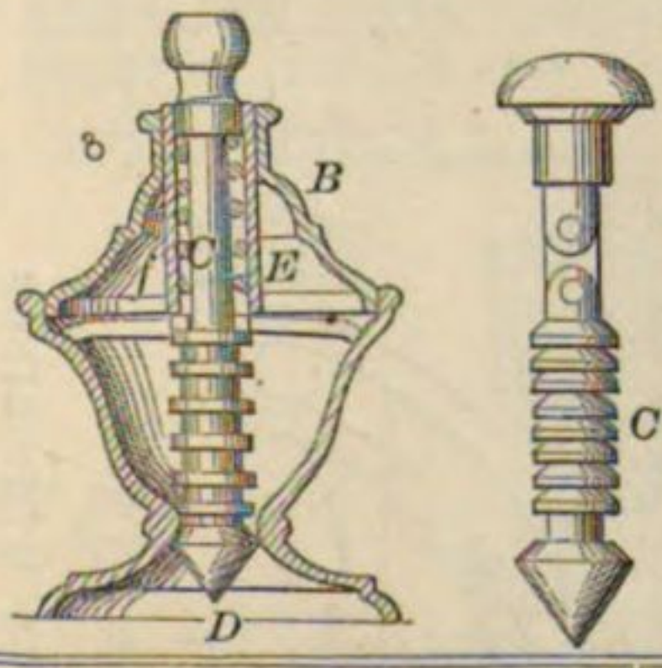
59399—R. B. Jacobs—*Gaiter Boot.*



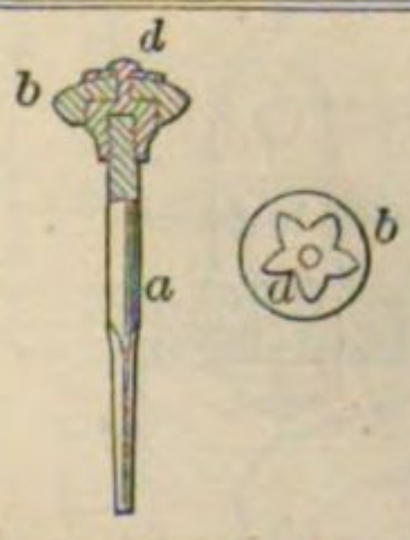
59401—P. F. Jones—*Railroad Rail.*



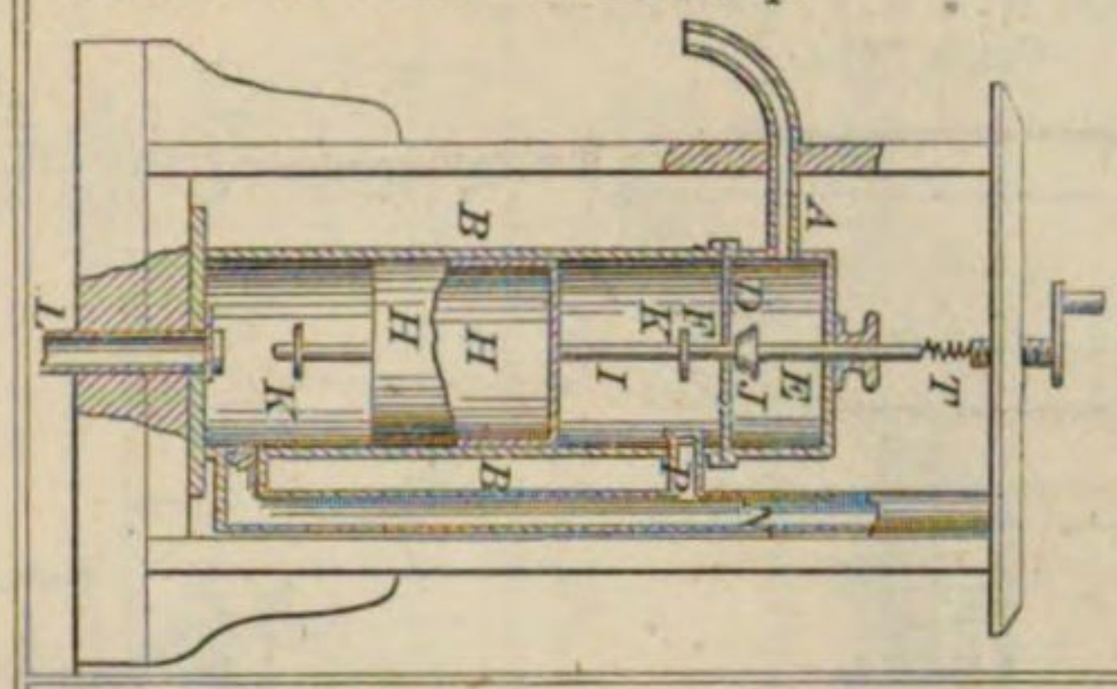
59406—J. M. Keep—*Sprinkler for Powdered Substances.*



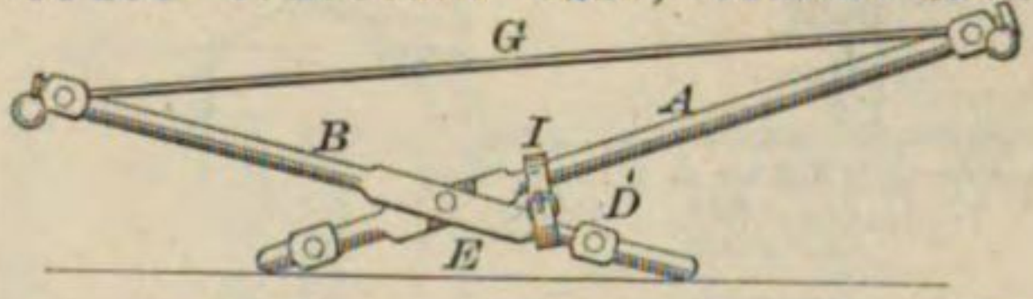
59404—A. D. Judd—*Picture Nail.*



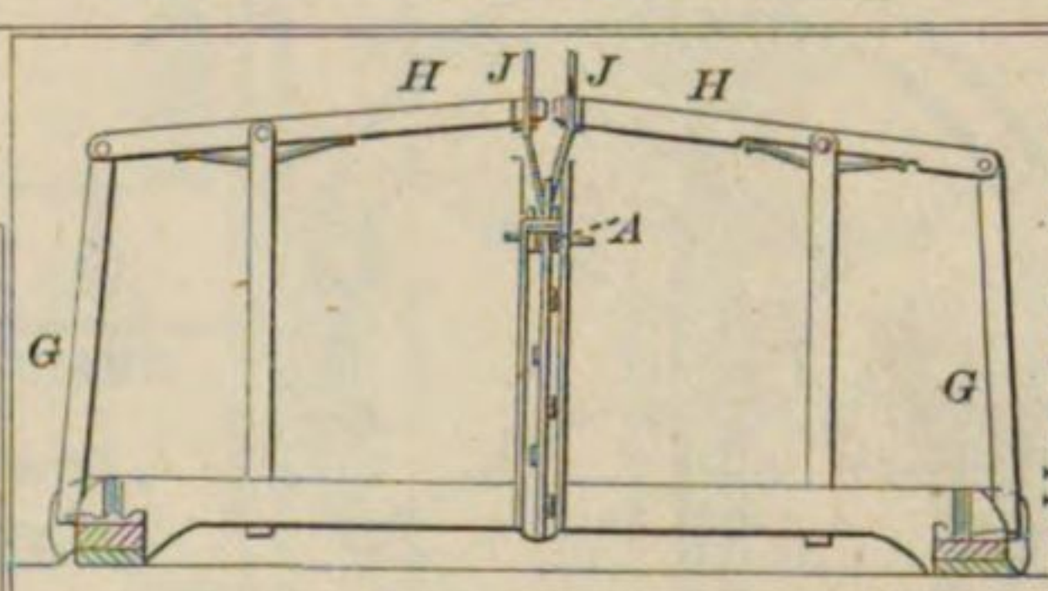
59400—J. Jordan—*Steam Pump.*

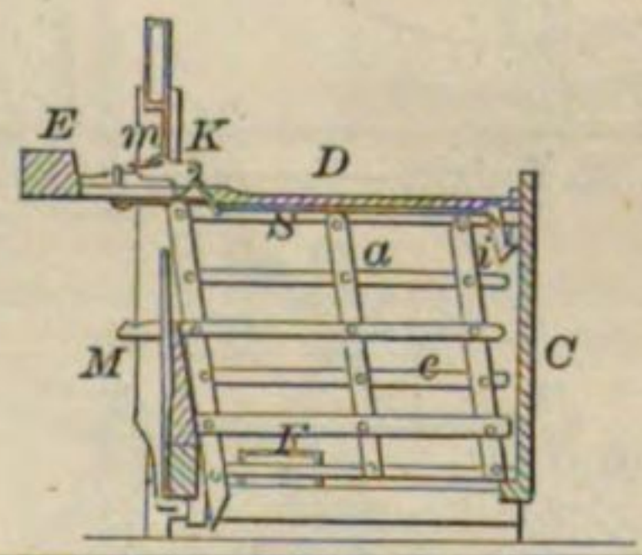


59403—J. E. Jouett—*Chair, Couch and Stretcher.*

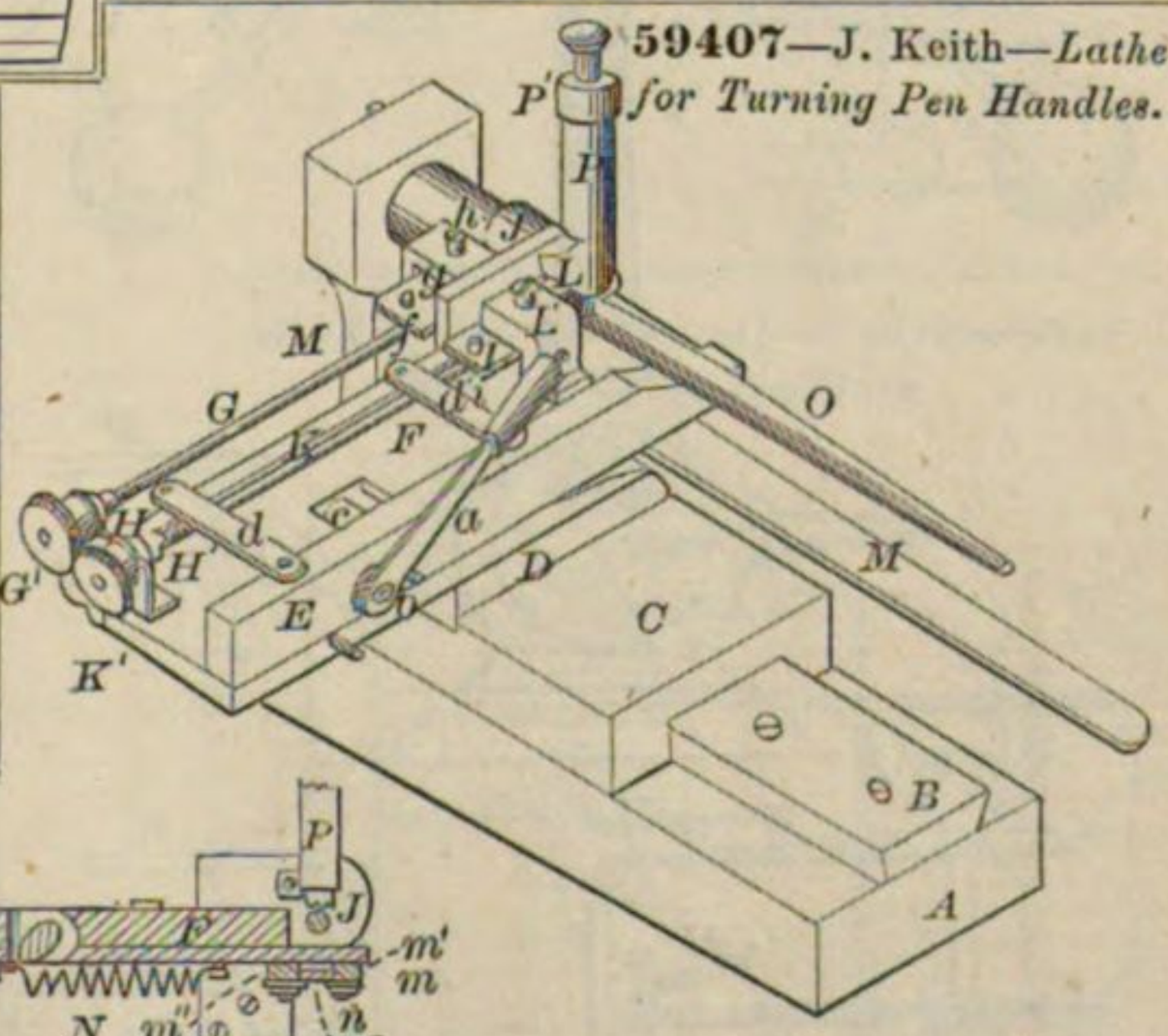


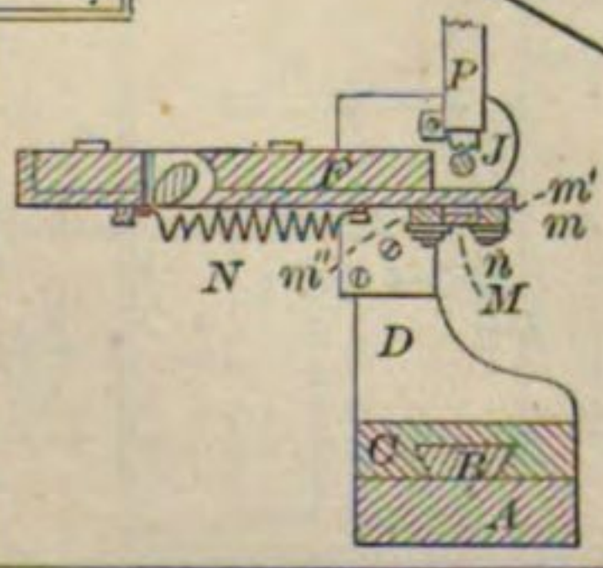
59405—S. S. Kappell—*Gate.*



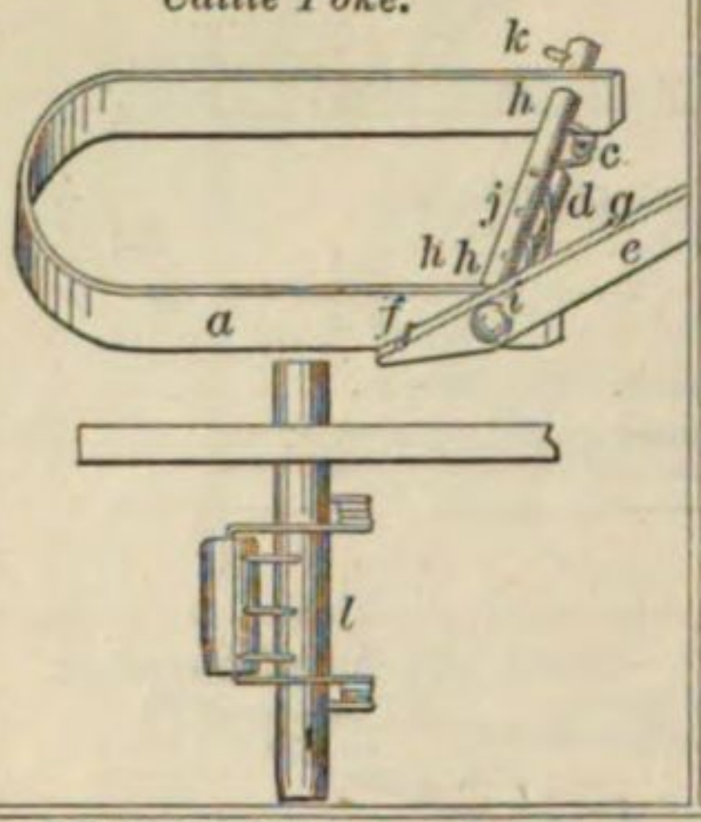


59407—J. Keith—*Lathe for Turning Pen Handles.*

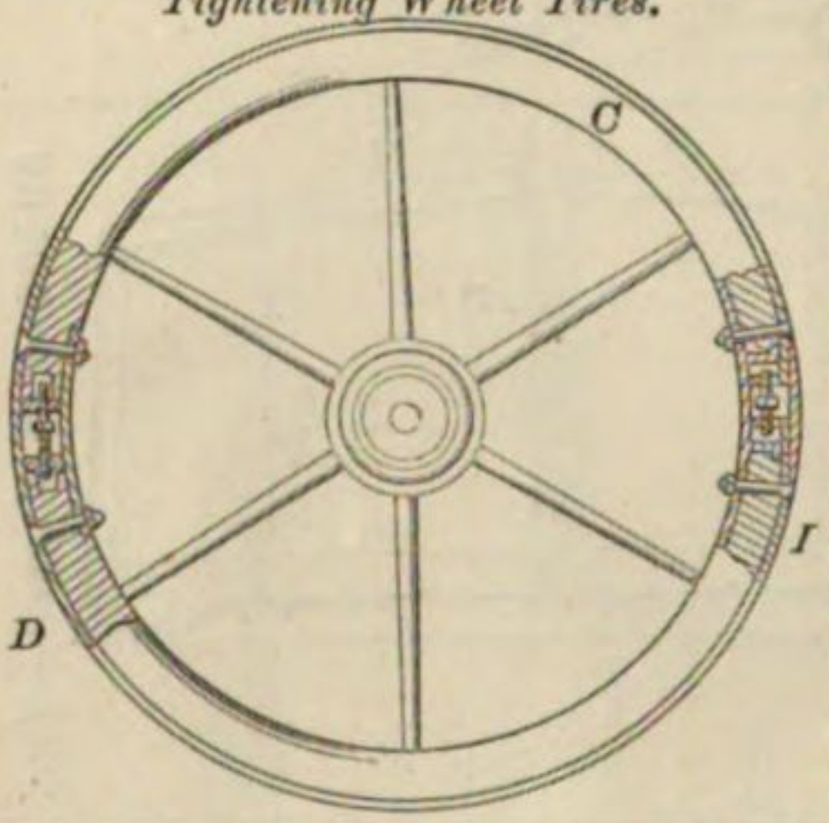




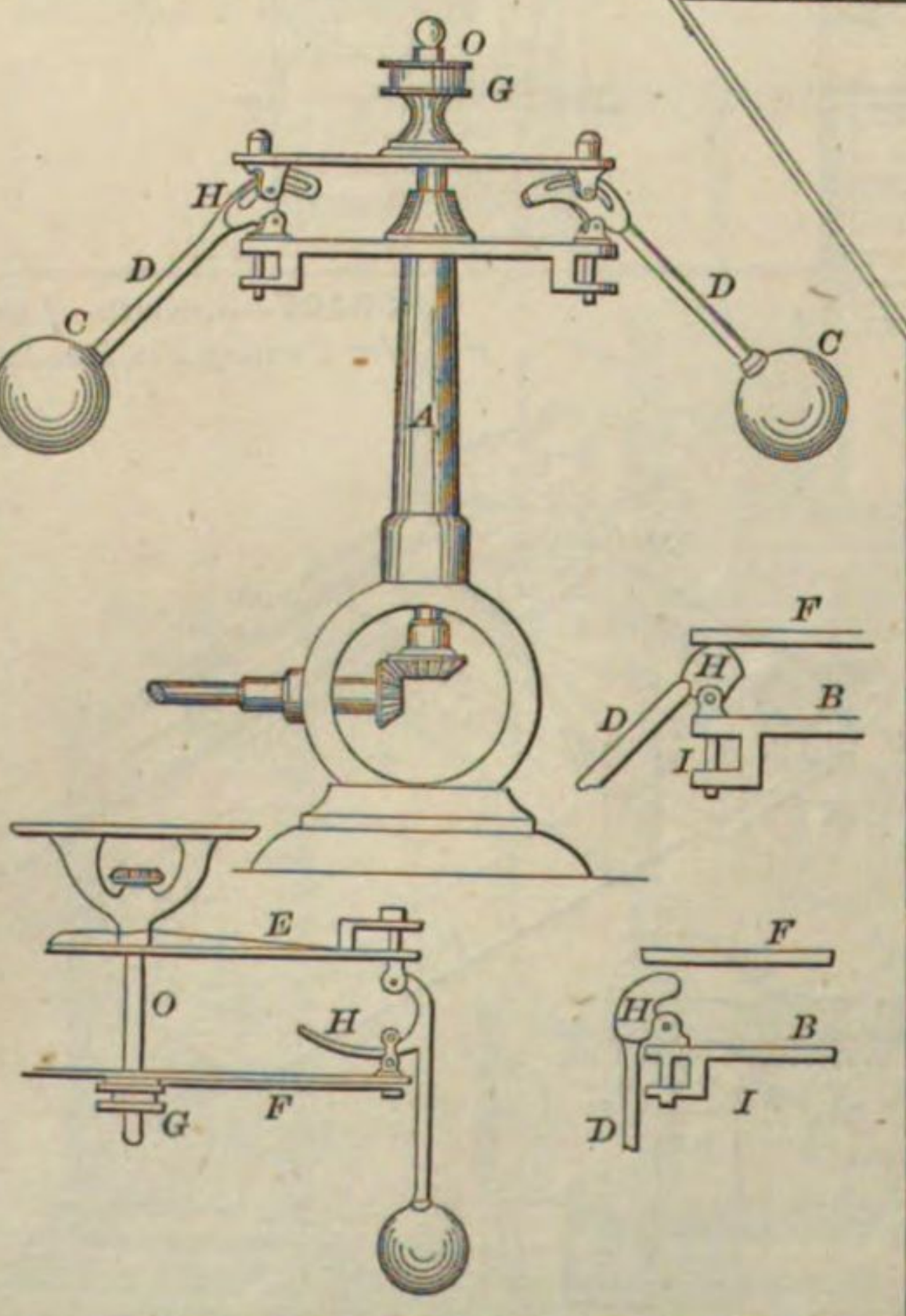
59408—A. H. & H. P. Kennedy—*Cattle Poke.*



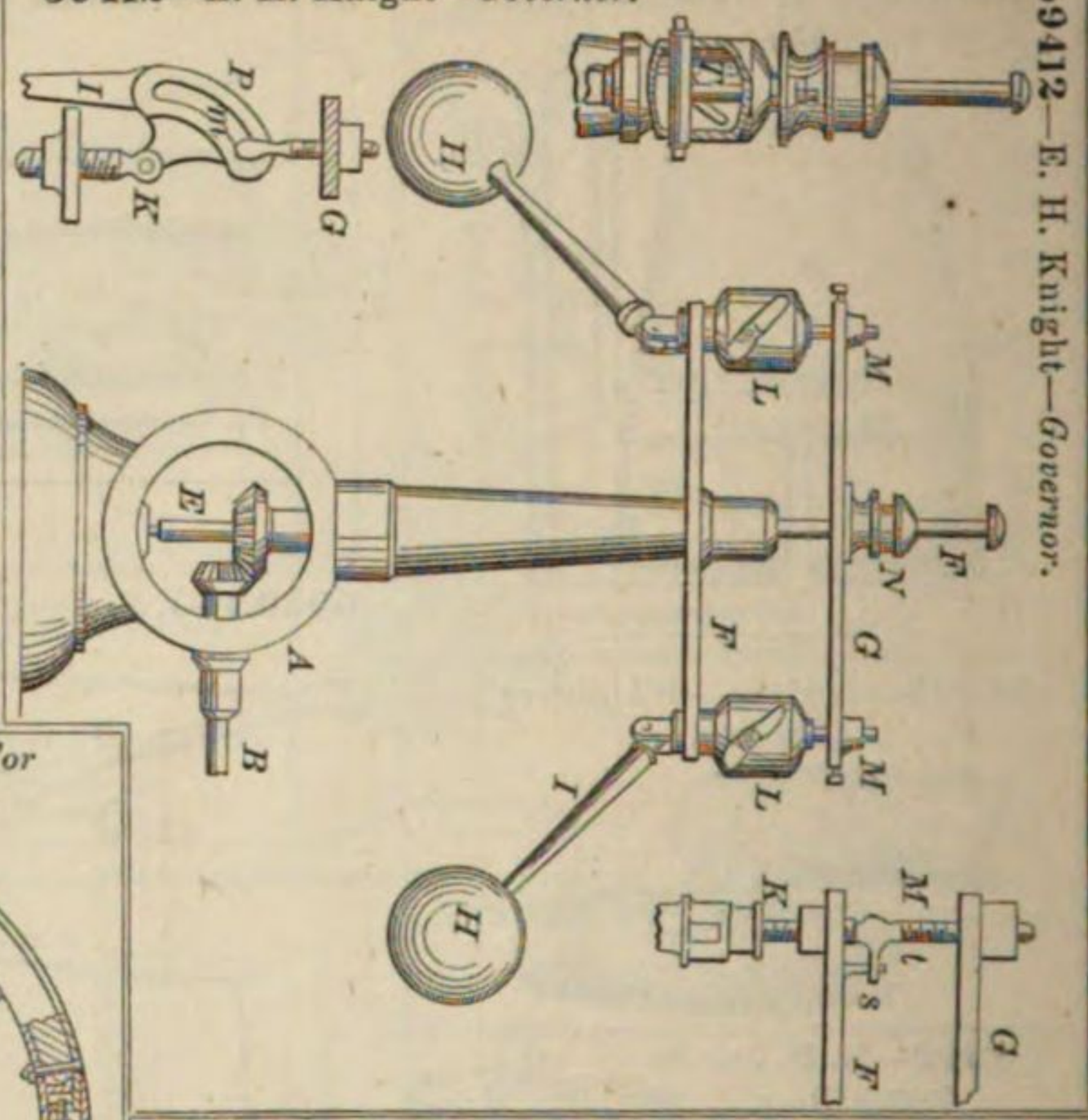
59409—Kirkman & Gray—*For Tightening Wheel Tires.*



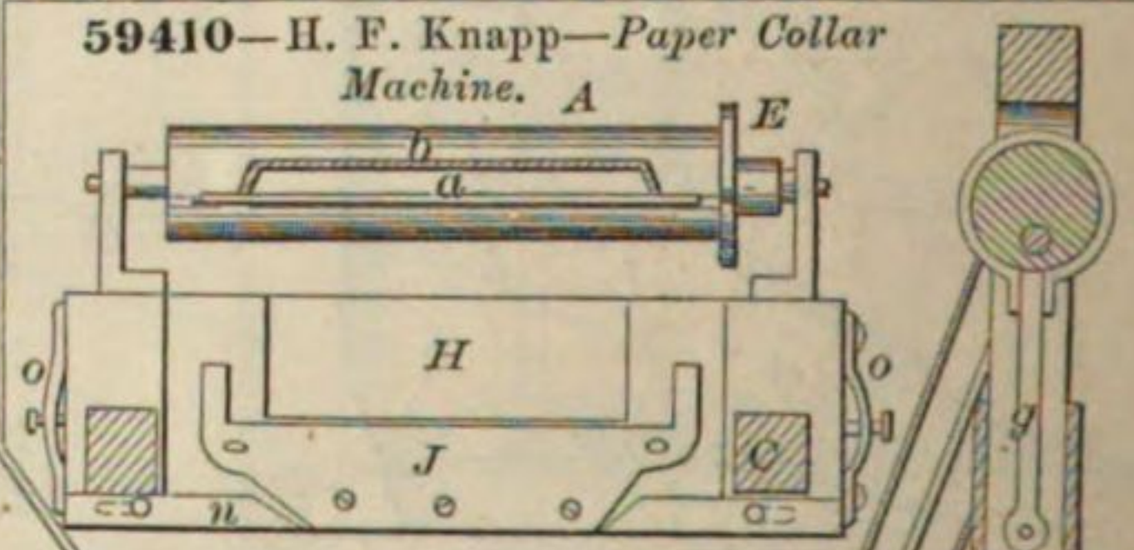
59411—E. H. Knight—*Governor.*



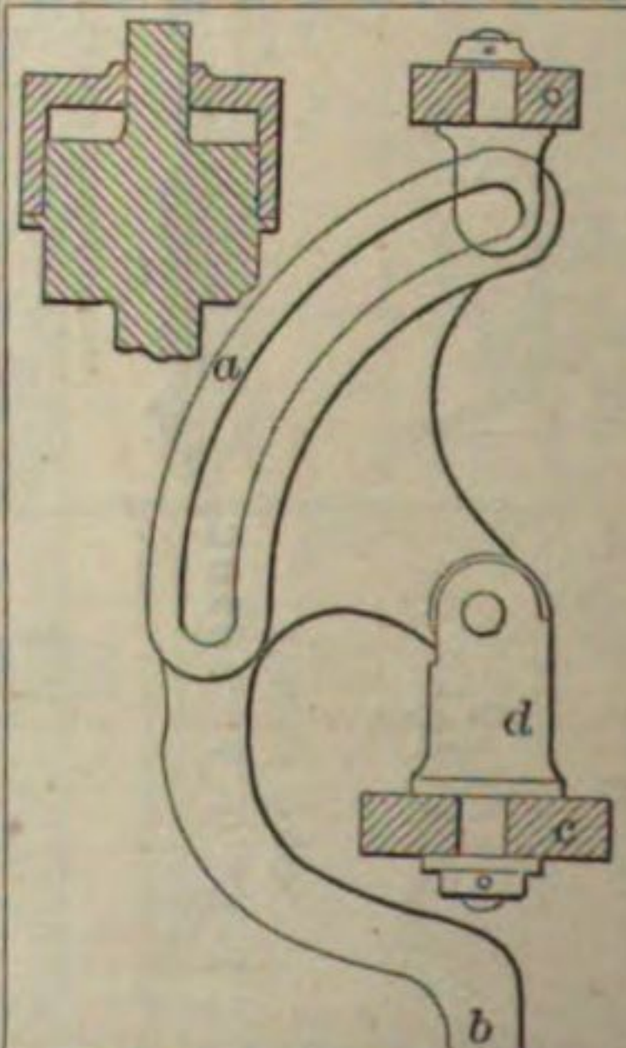
59412—E. H. Knight—*Governor.*



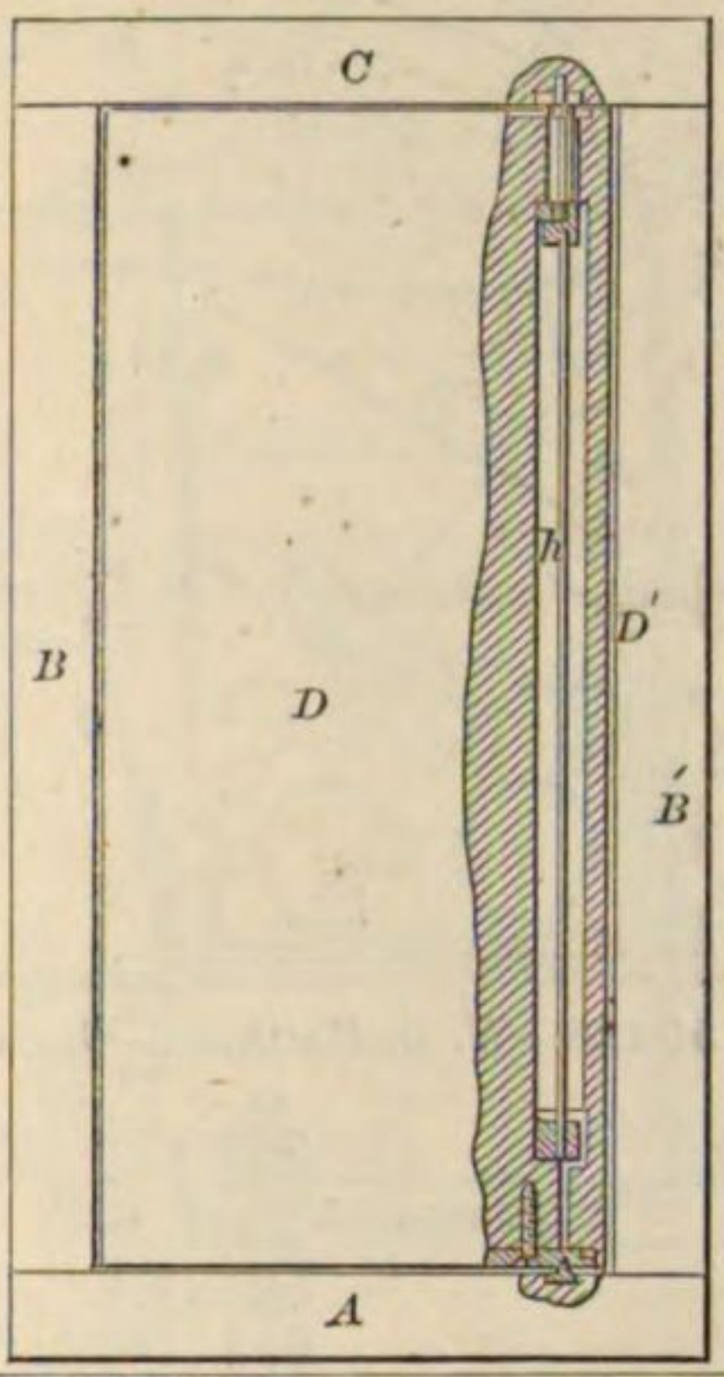
59410—H. F. Knapp—*Paper Collar Machine.*



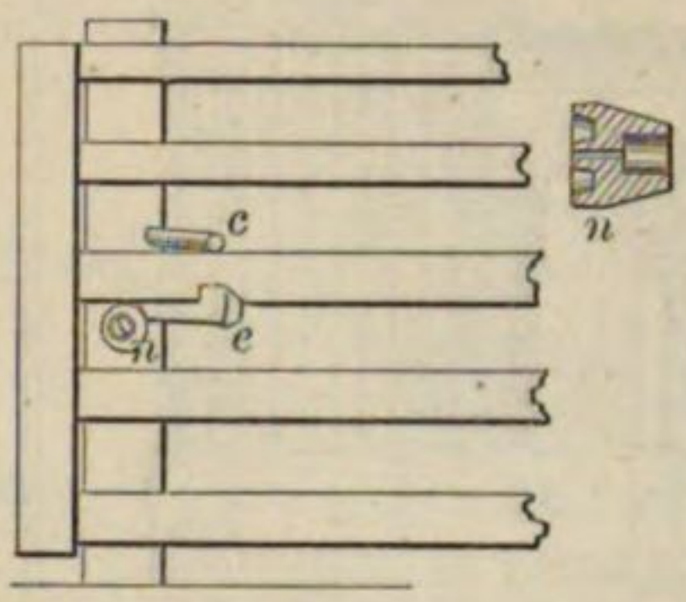
59413—E. H. Knight—*Governor.*



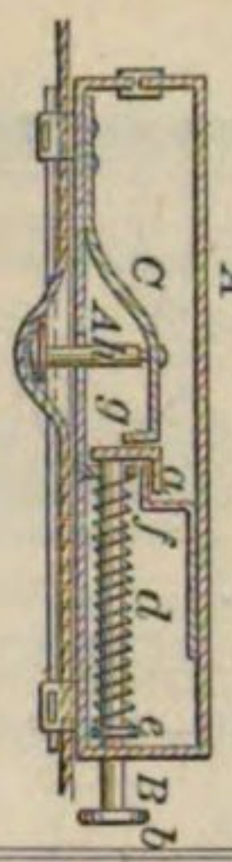
59414—R. T. Knight—*Spring For Closing Doors.*



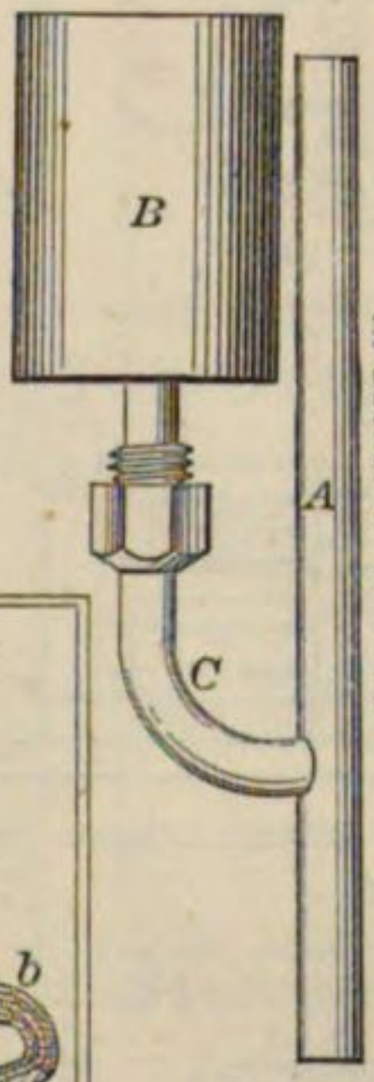
59416—A. Larrowe—*Gate.*



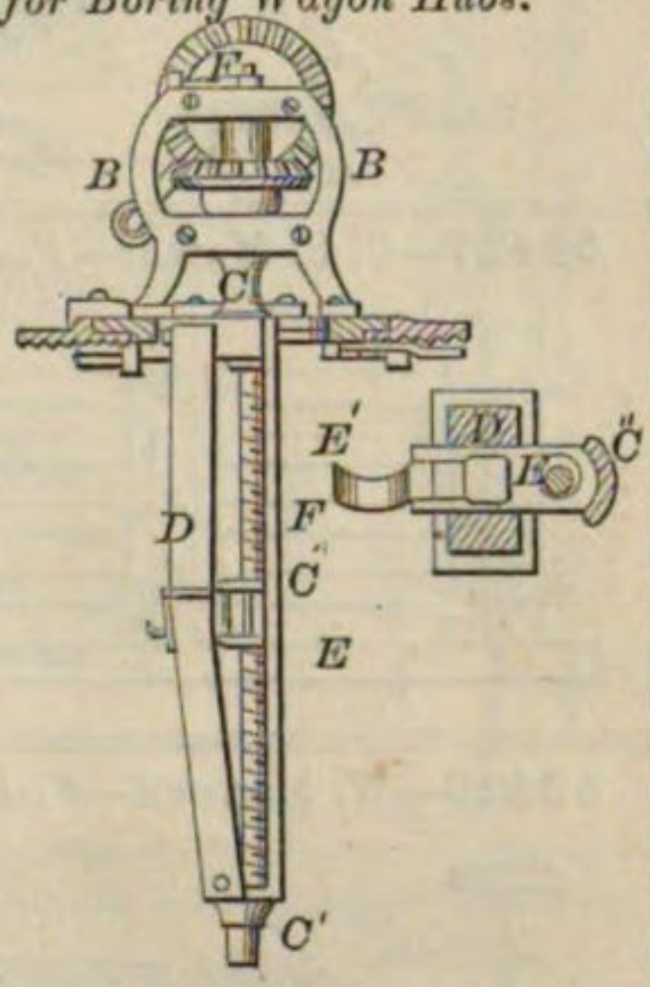
59415—A. T. Large—*Safety Pocket Clasp.*



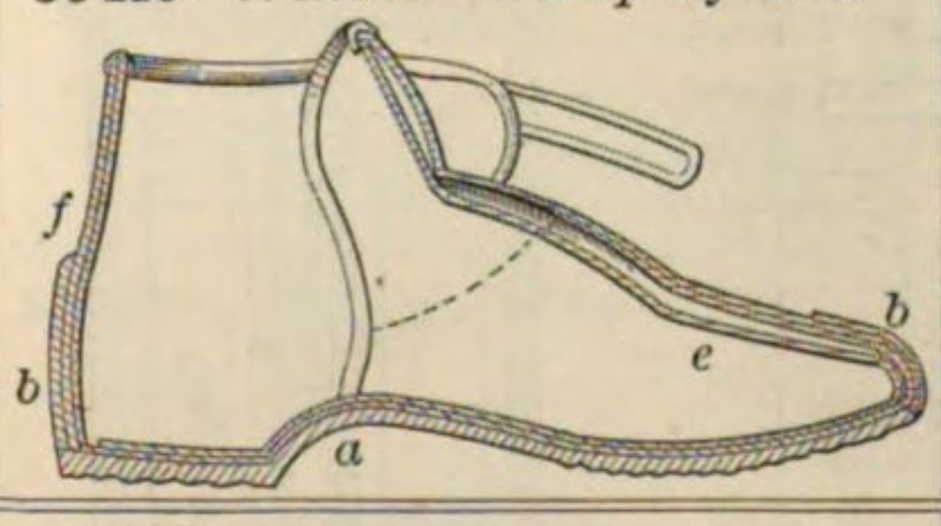
59418—A. R. Lawrence—*For Preventing Sediment in Mineral Waters.*



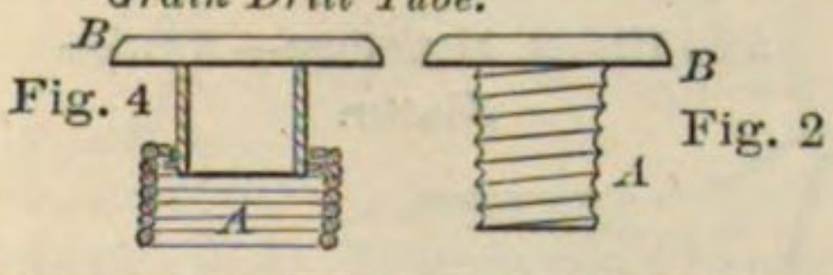
59417—S. Lavenue—*Machine for Boring Wagon Hubs.*



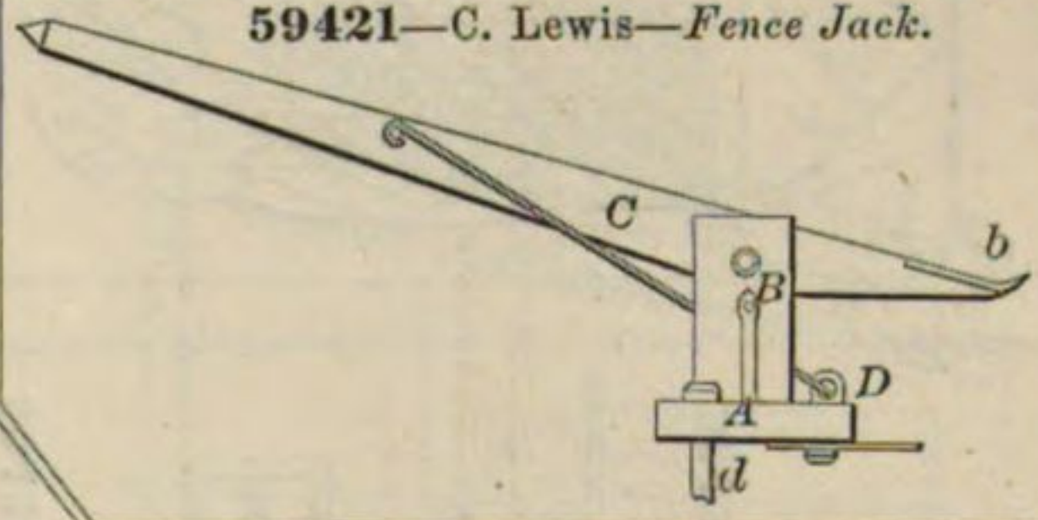
59419—J. Letson—*Waterproof Shoe.*



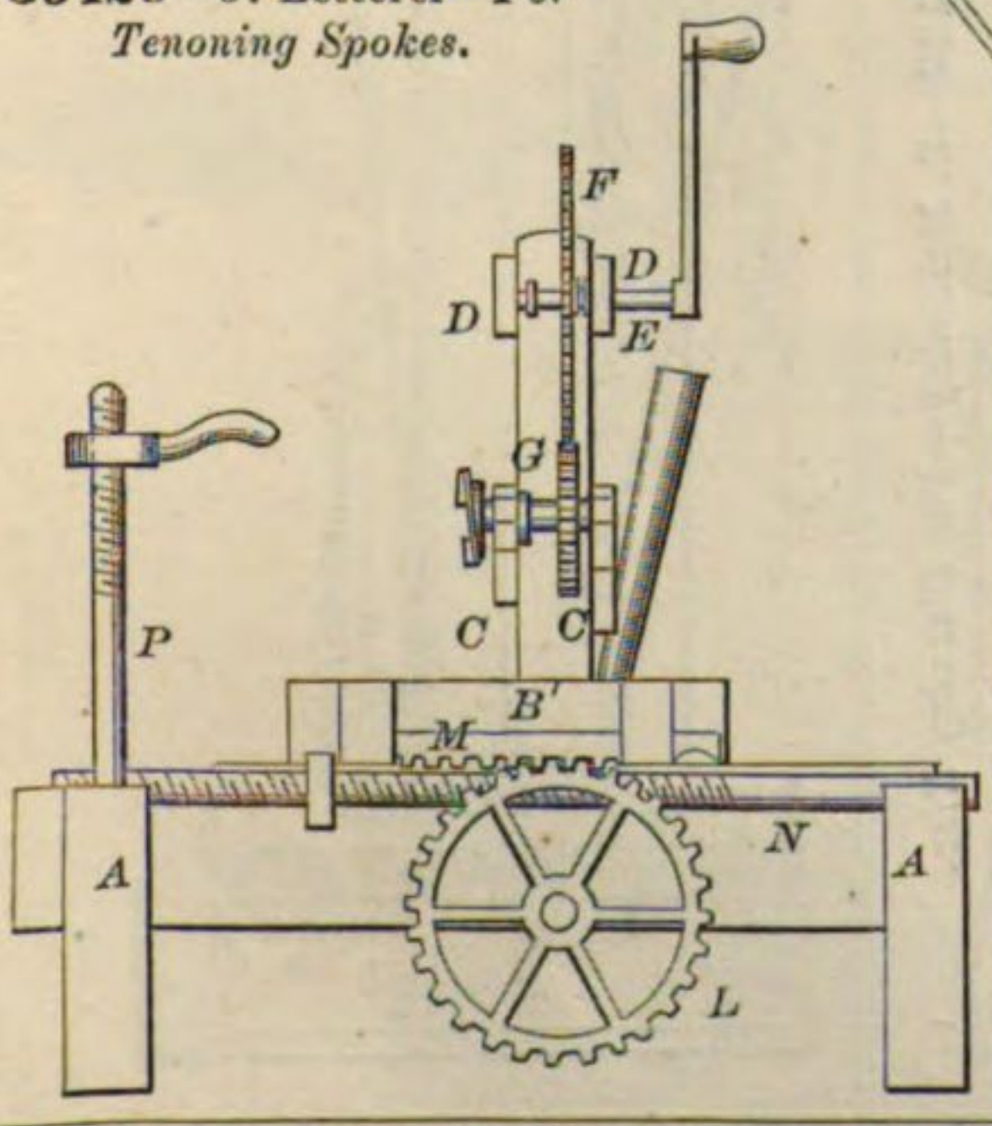
59422—Lighter & Harding—*Grain Drill Tube.*



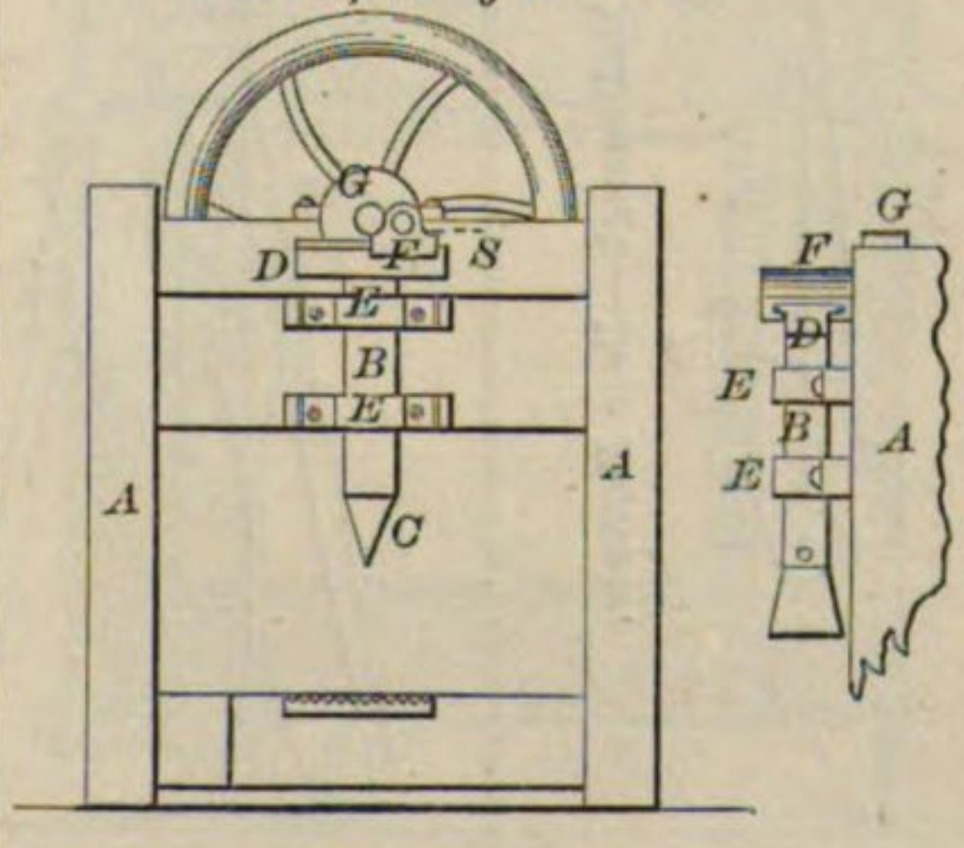
59421—C. Lewis—*Fence Jack.*



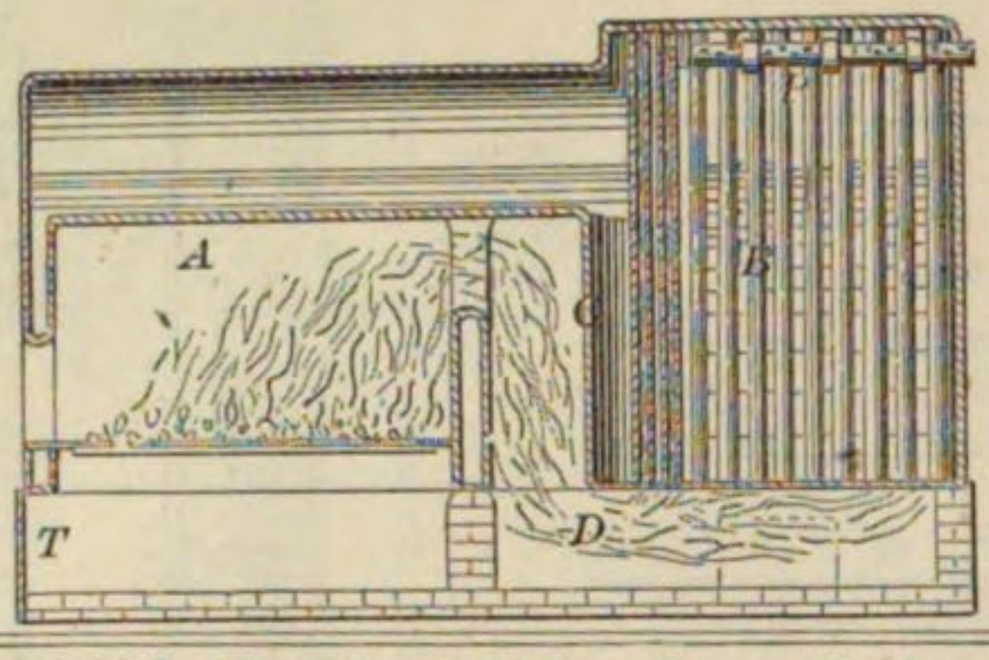
59420—J. Letterel—*For Tenoning Spokes.*



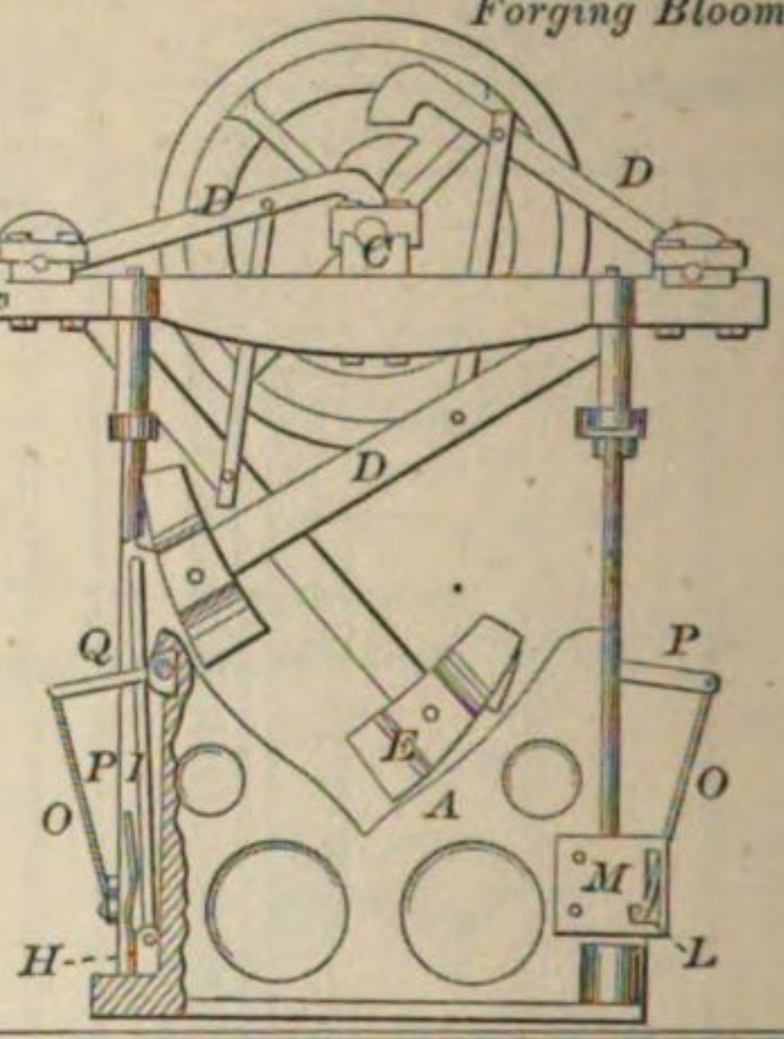
59423—Love & Thornly—*For Operating Wood Splitting Machines.*



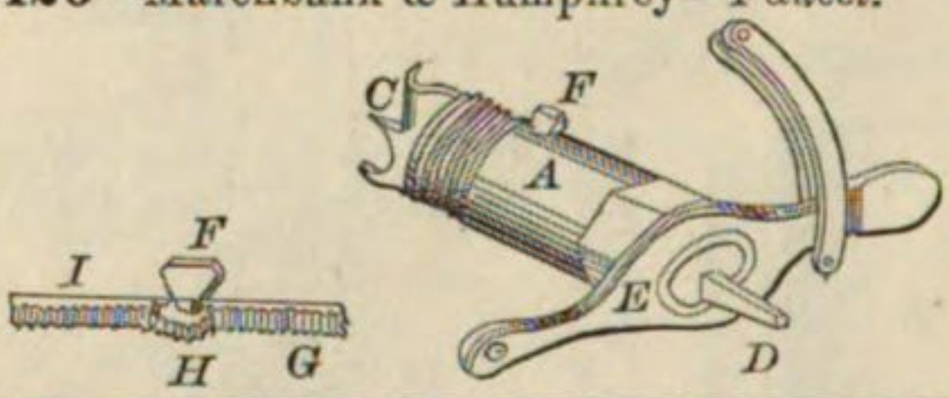
59424—T. Main—*Steam Generator.*



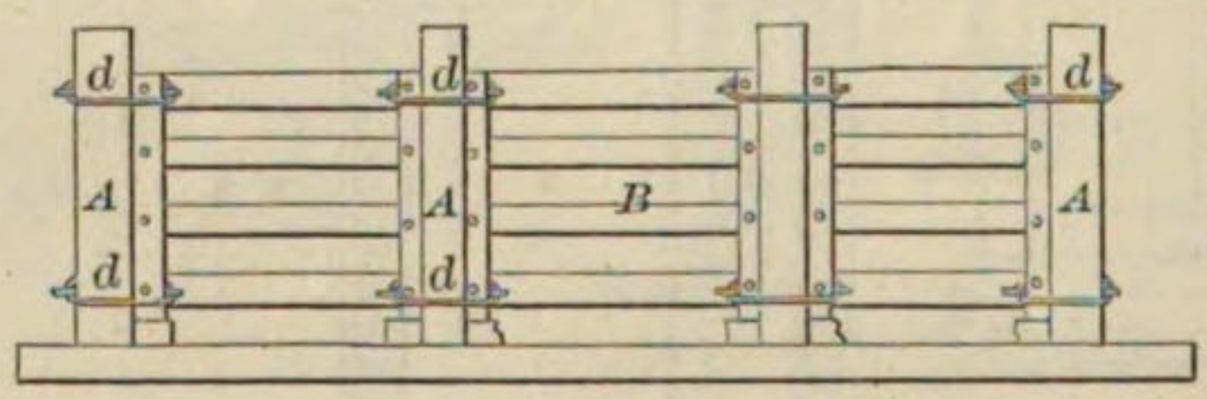
59425—G B. Manley—*Hammer for Forging Blooms.*



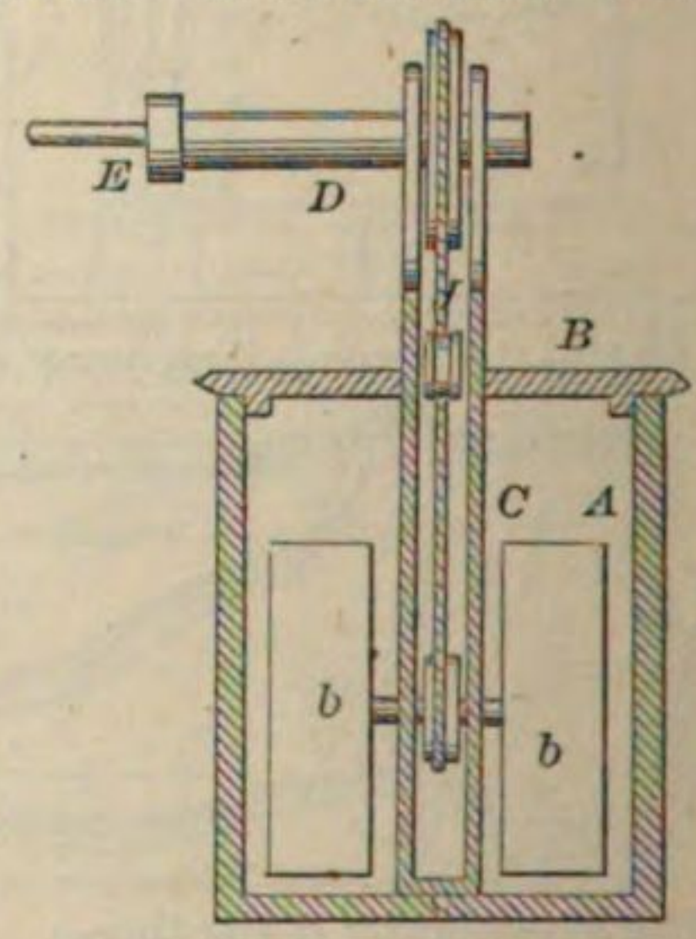
59426—Marchbank & Humphrey—*Faucet.*



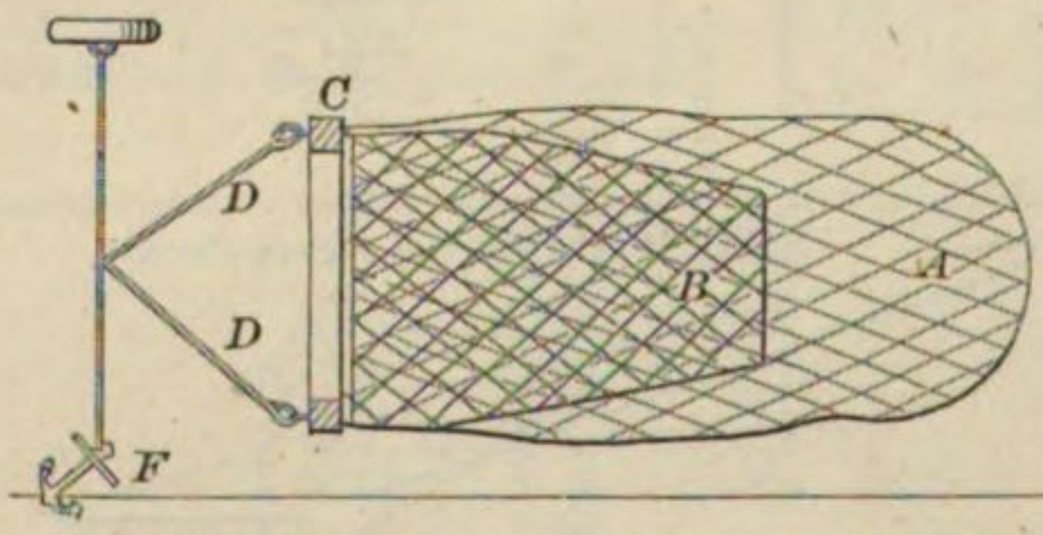
59427—C. C. Mather—*Fence.*



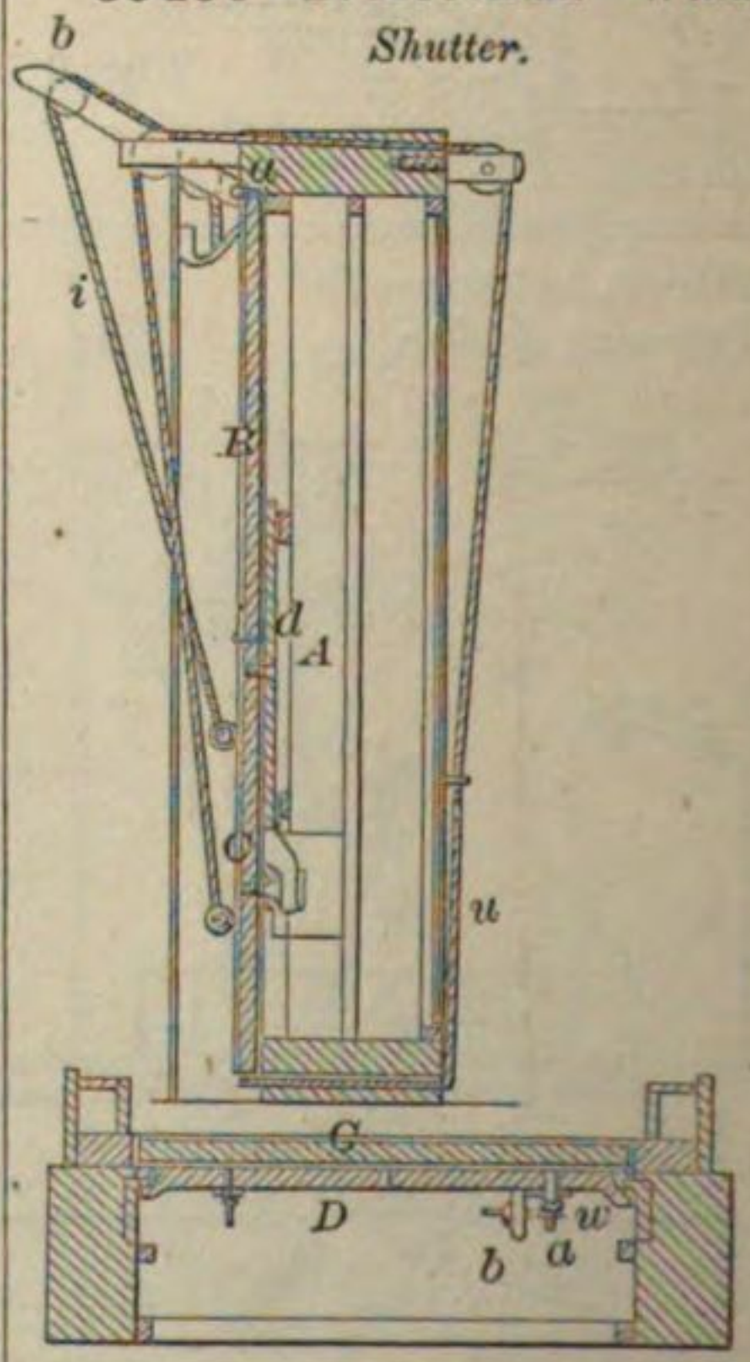
59428—W. D. Matthews—*Churn.*



59429—W. Maxwell—*Fishing Net.*



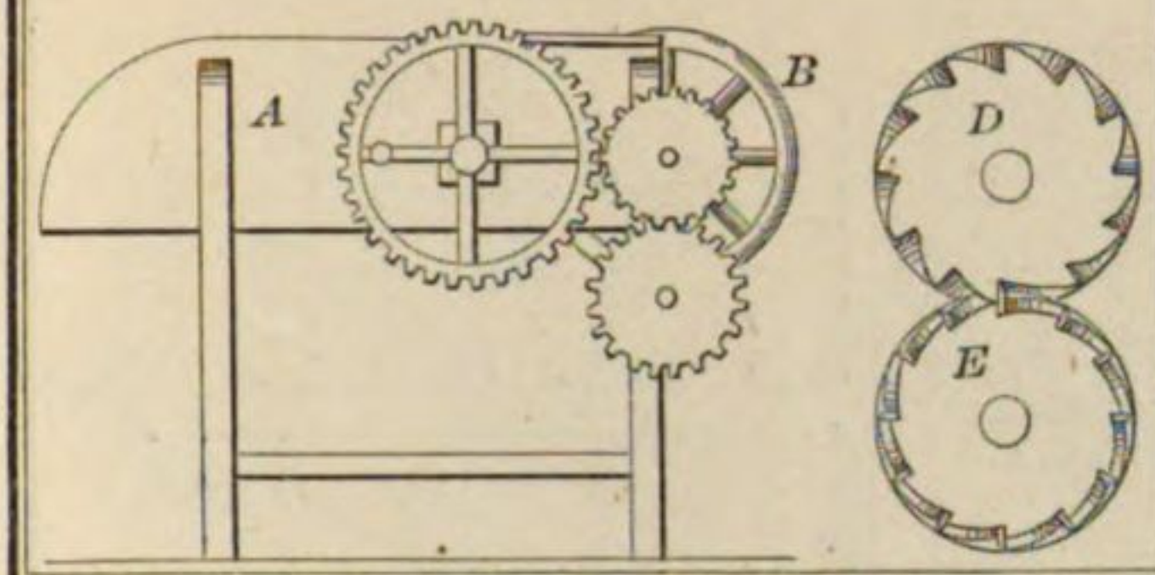
59430—B. McCollum—*Window Shutter.*



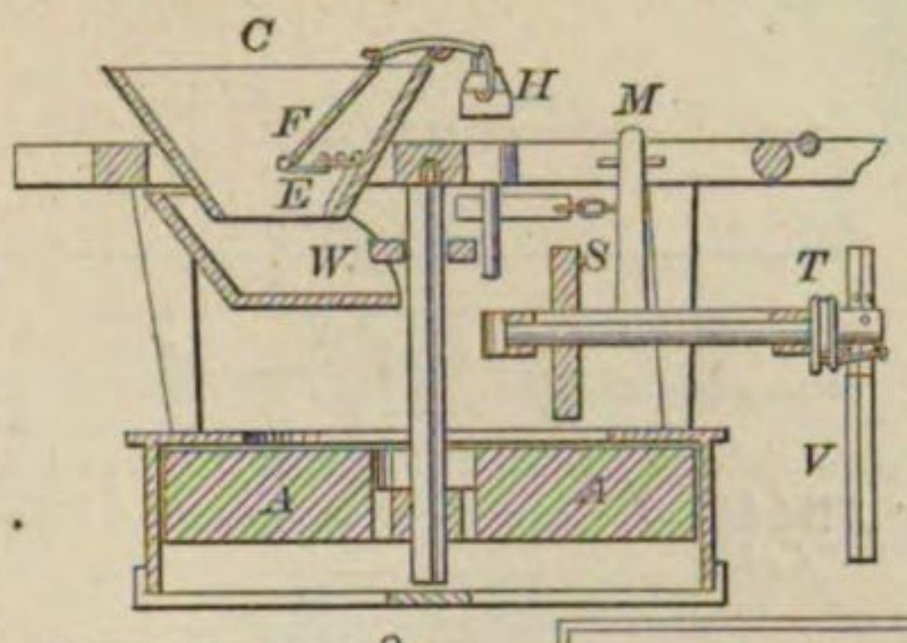
59431—F. McDonough—*Door Fastener.*

59432—P. McKinlay—*For Cleaning Rice.*

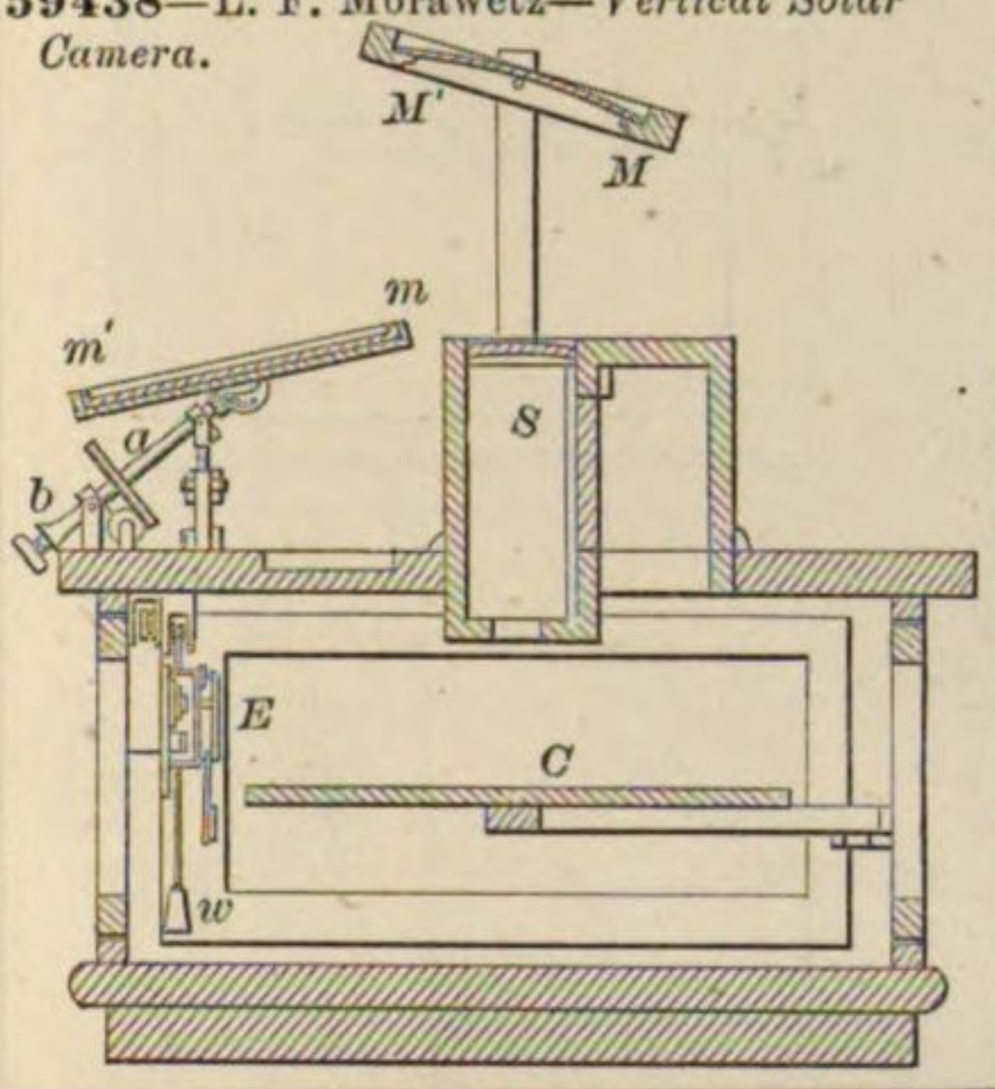
59433—J. McMahel—*Straw Cutter.*

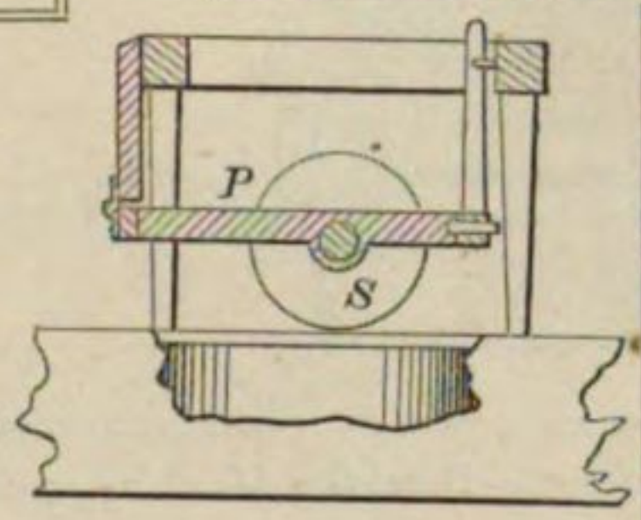


59435—S. M. Miller—*Grinding Mill.*

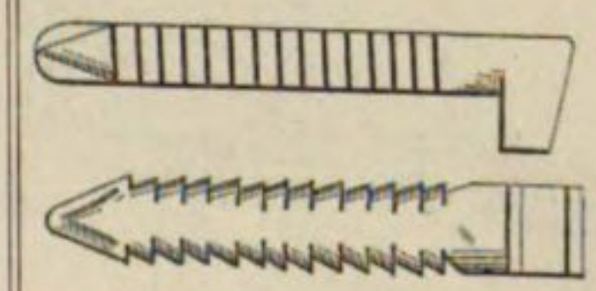


59438—L. F. Morawetz—*Vertical Solar Camera.*



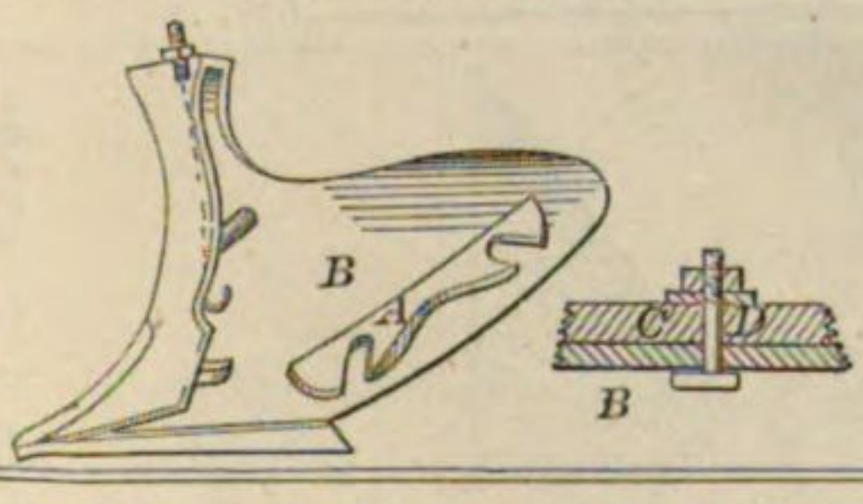


59434—H. Merrill—*Spike.*

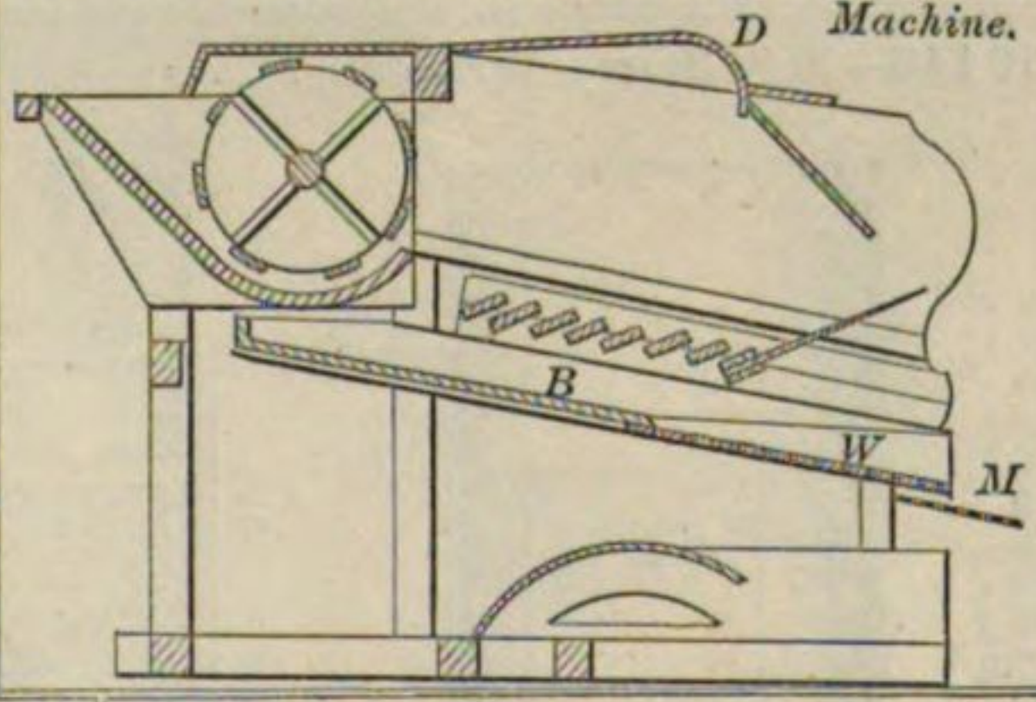


59439—Neall & Myers—*Damper Regulator.*

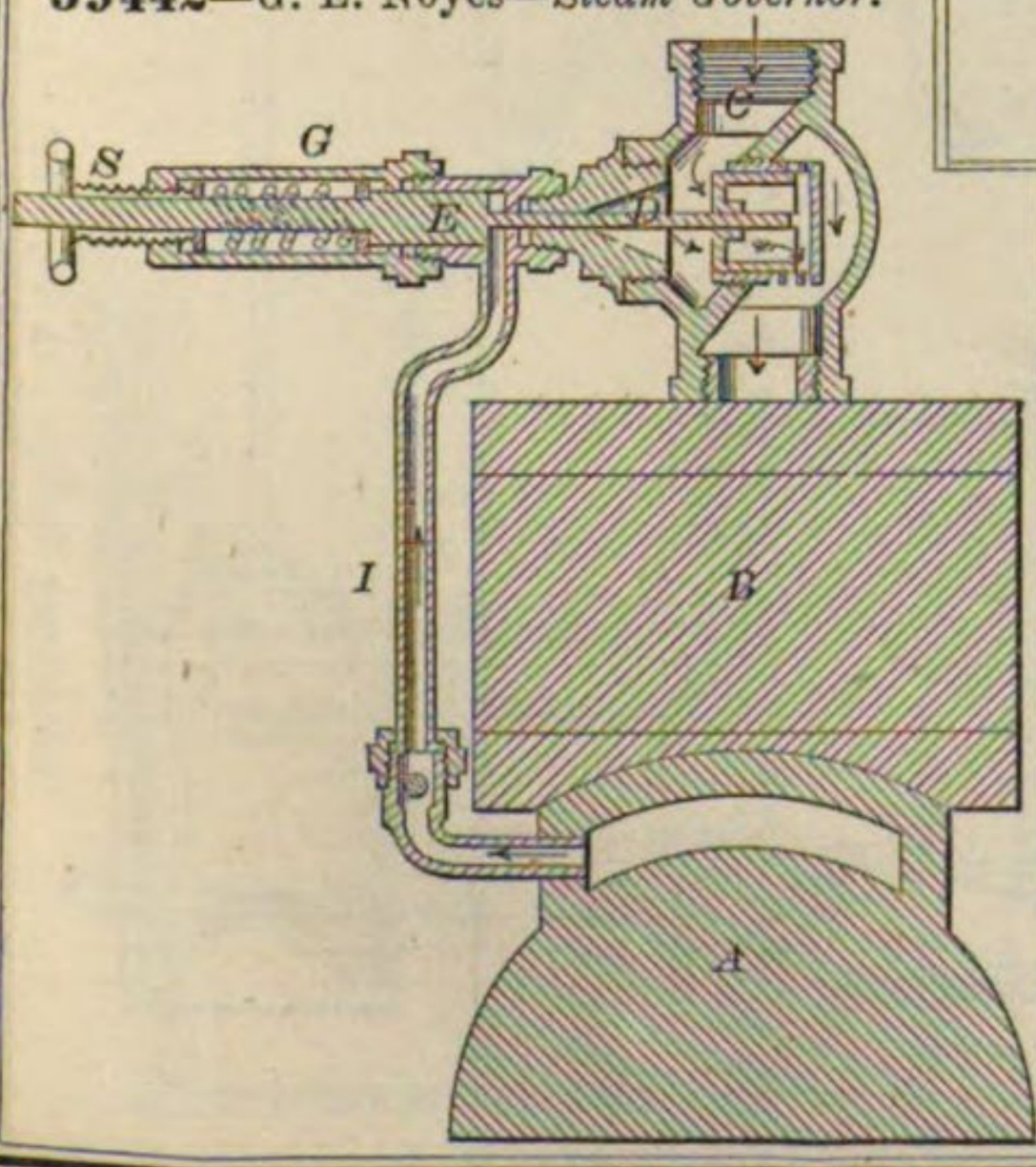
59437—J. A. Moore—*Plow.*



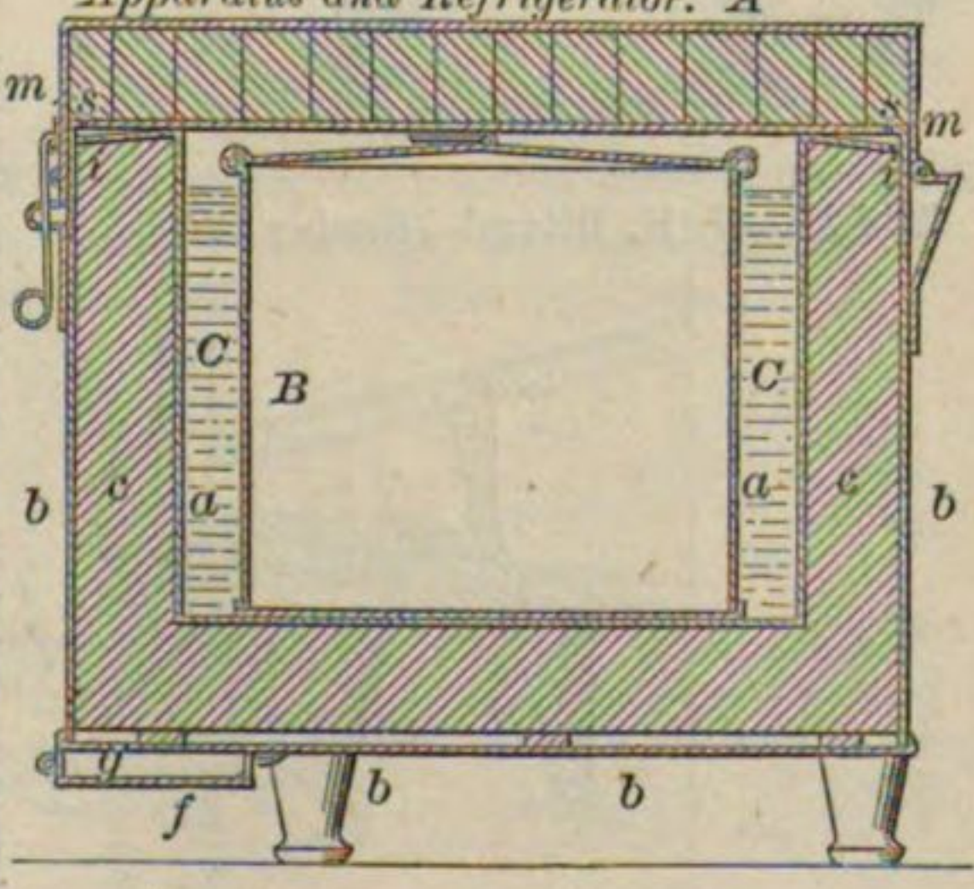
59440—Nichols, Nichols & Shepard—*Threshing Machine.*



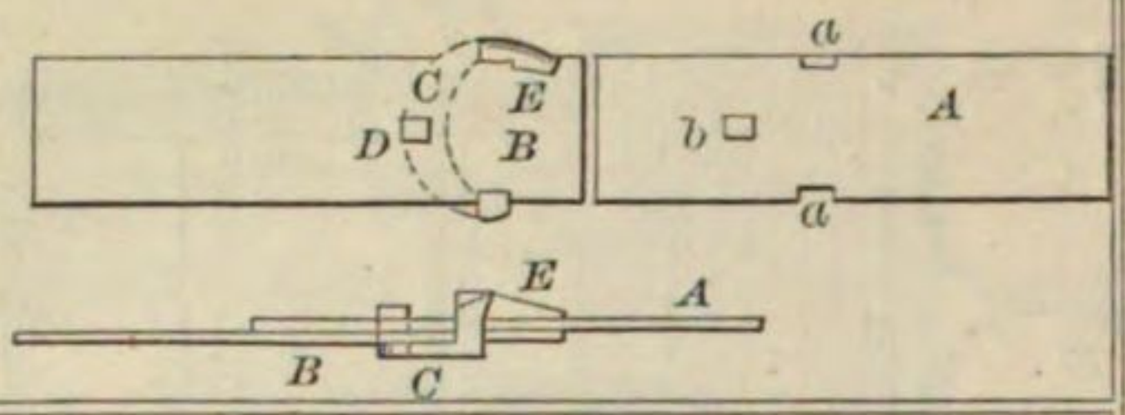
59442—G. E. Noyes—*Steam Governor.*



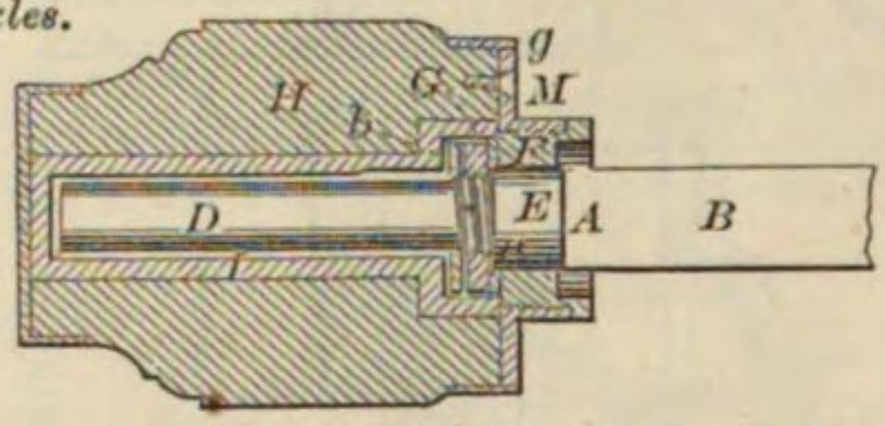
59441—J. & I. Neuburg—*Cooking Apparatus and Refrigerator.* A



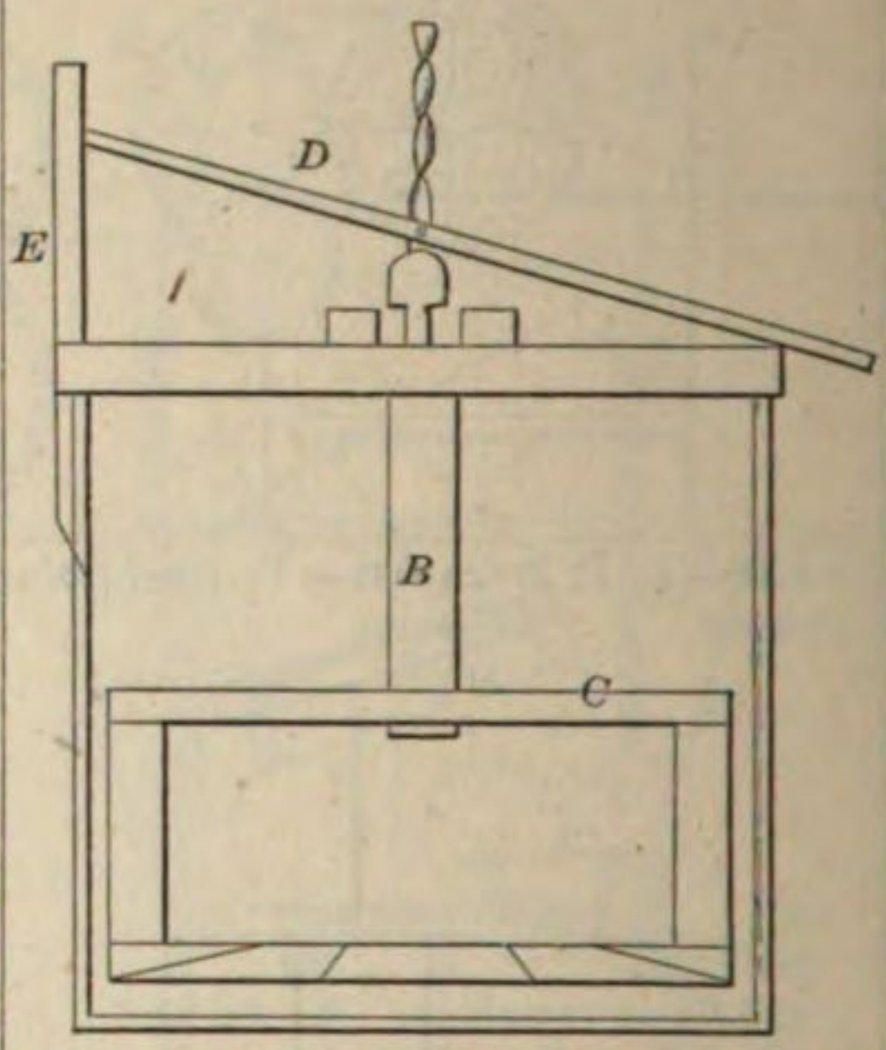
59443—W. Onions—*Cotton Bale Tie.*



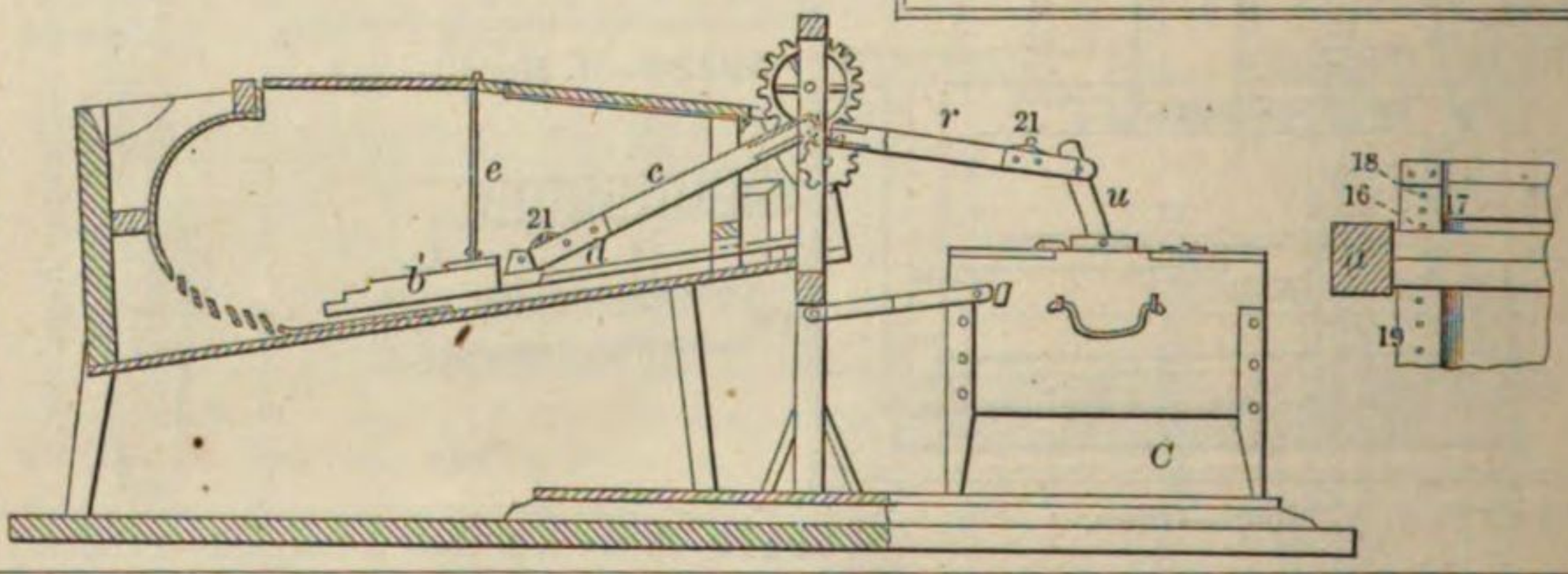
59445—I. Osgood—*For Securing Wheel Hubs to Axles.*



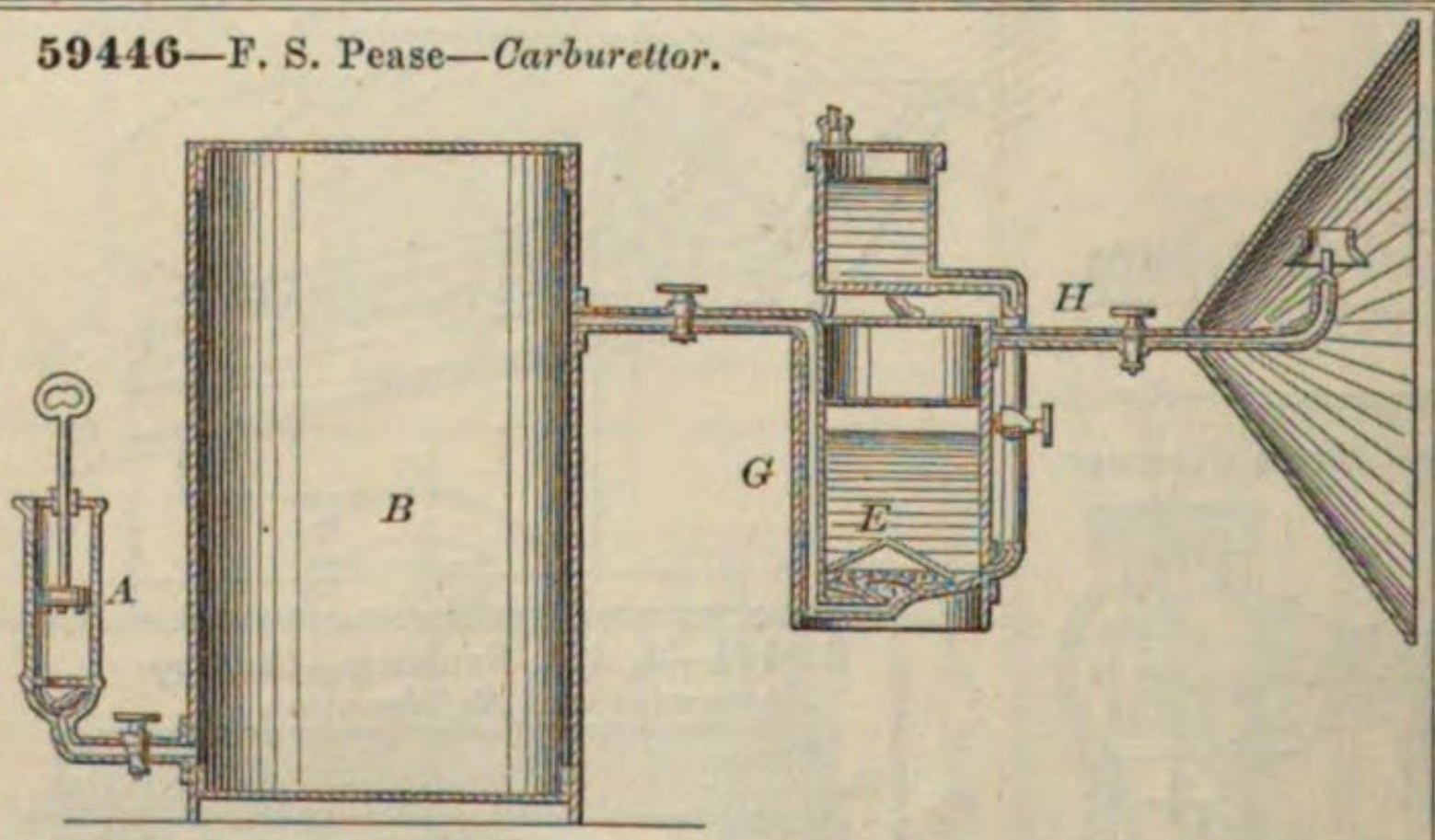
59447—J. M. Peirce—*Churn and Washing Machine.*



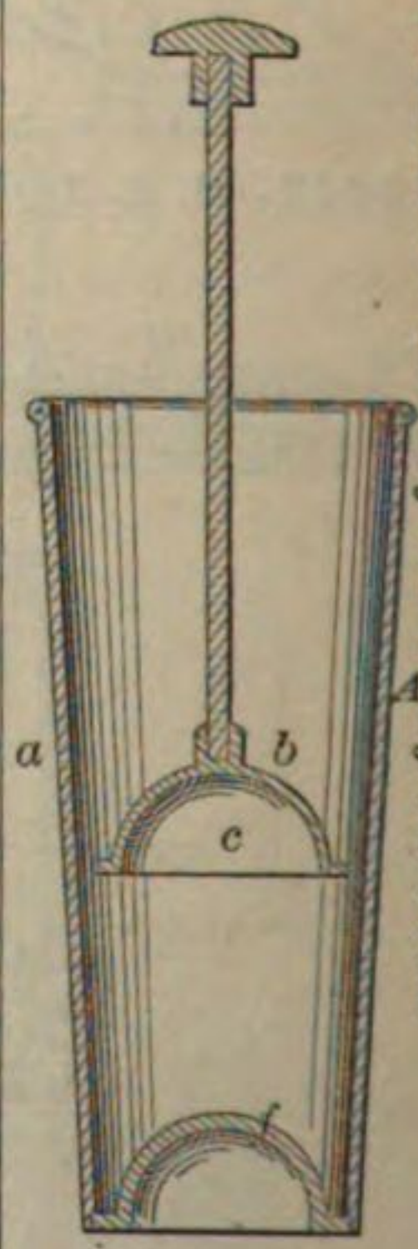
59444—W. Orcutt—*Washing Machine and Churn.*



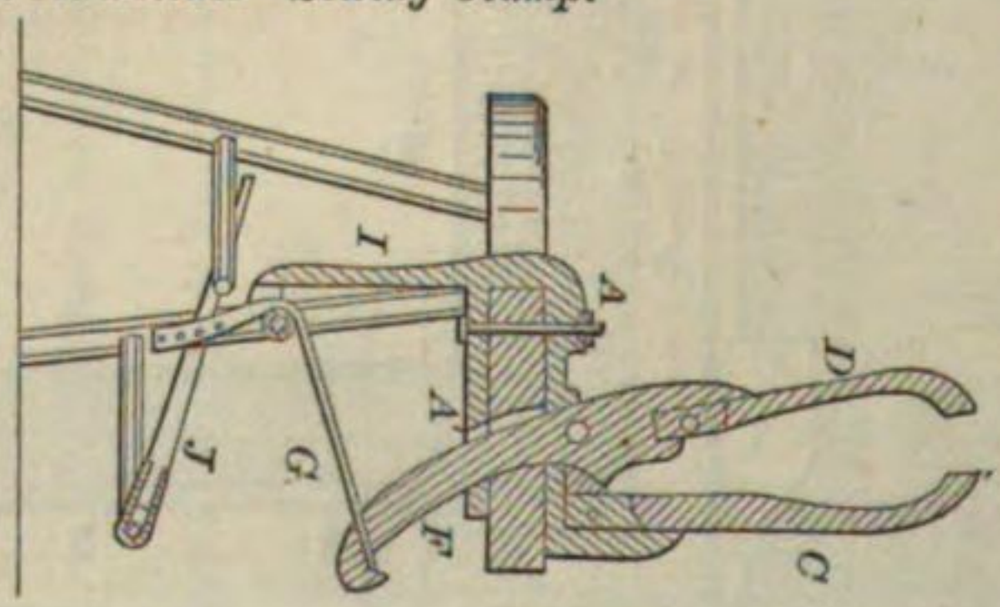
59446—F. S. Pease—*Carburettor.*



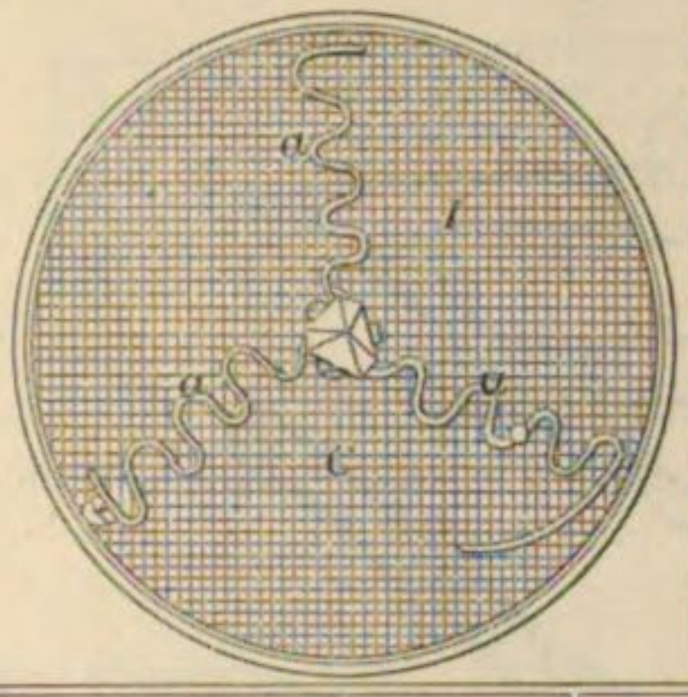
59449—E. L. Pratt—*For Aerating and Mixing Substances.*



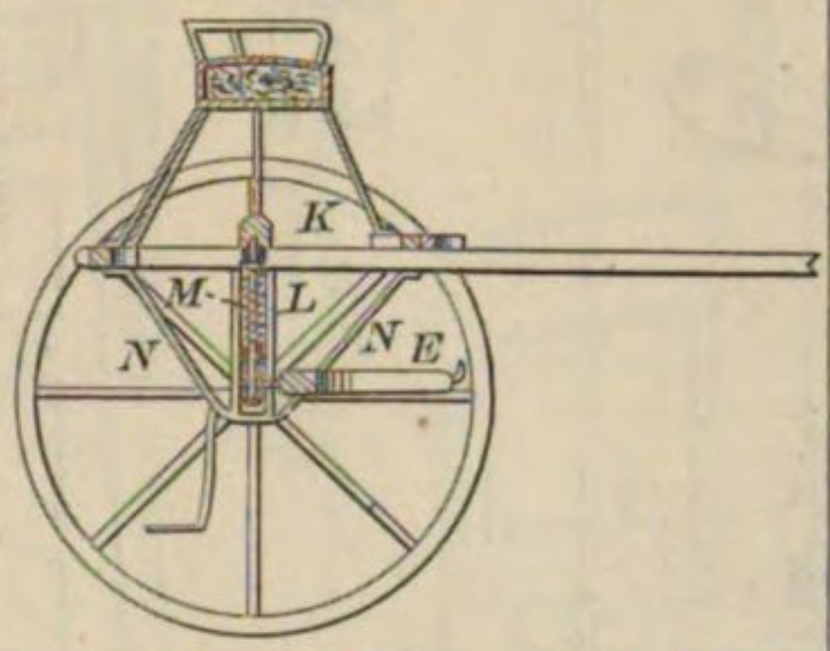
59448—J. H. Pitezel—*Sewing Clamp.*



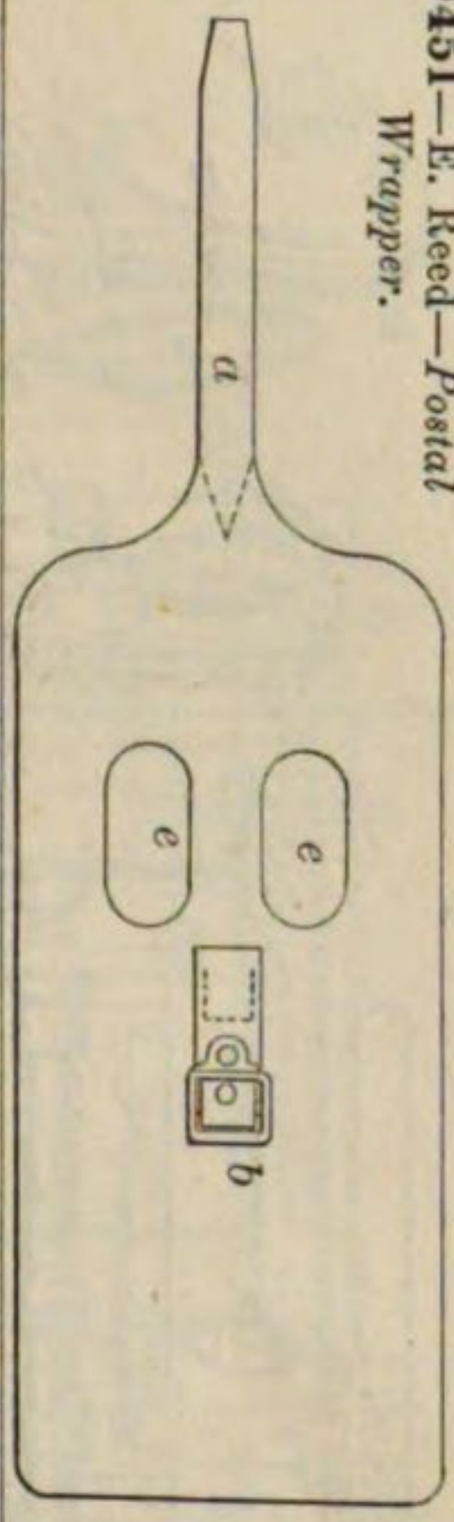
59450—E. L. Pratt—*Sieve.*



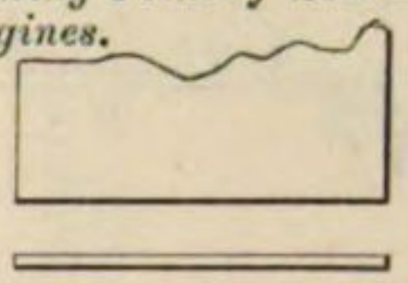
59452—J. G. Reiff—*Sulky.*



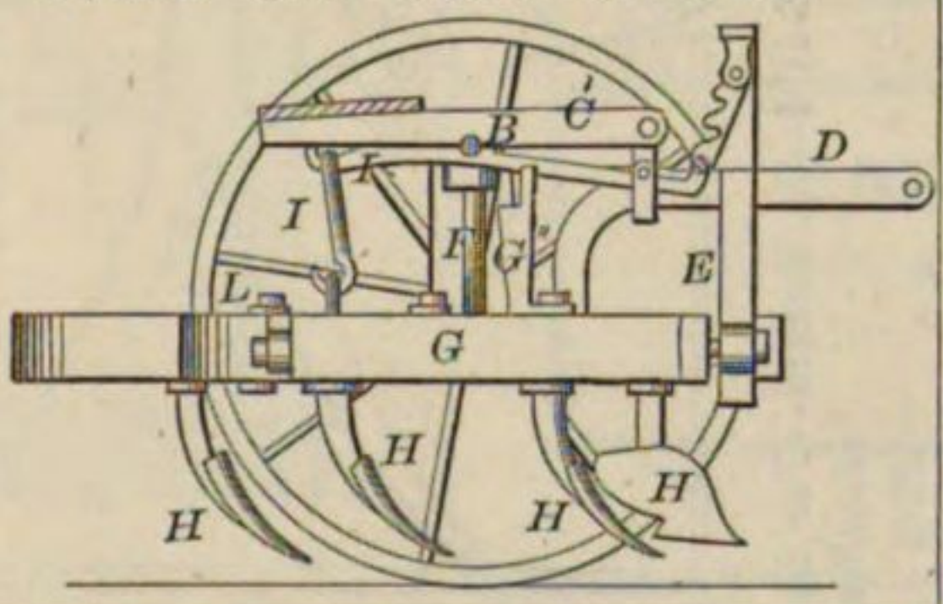
59451—E. Reed—*Postal Wrapper.*



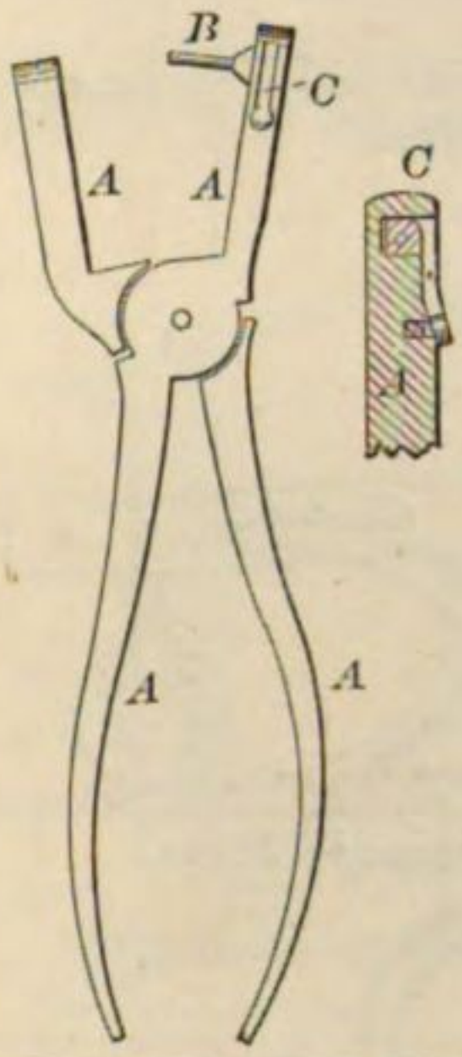
59456—J. Ross—*Paper Packing Joint of Steam Engines.*



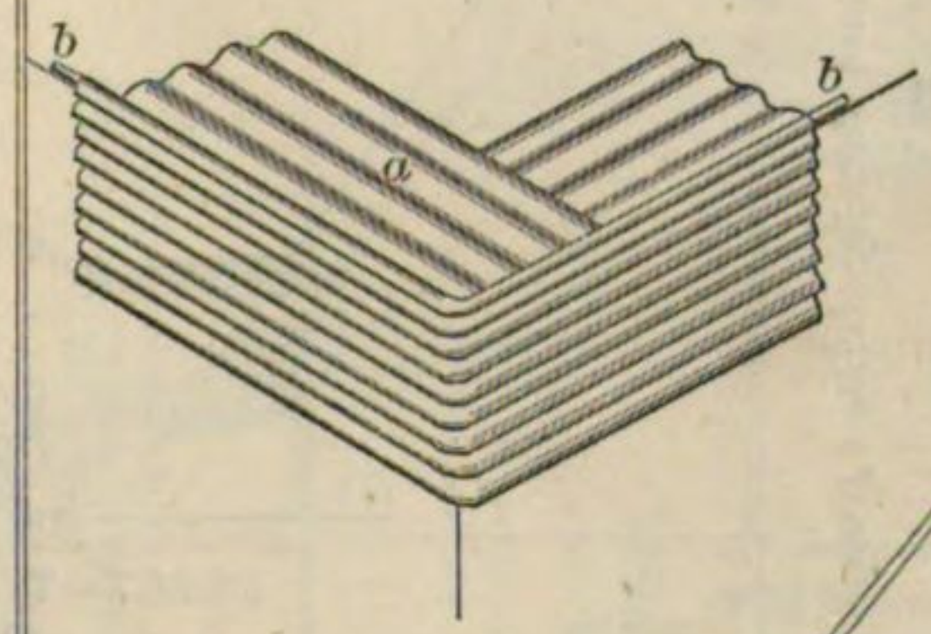
59454—C. S. Roberts—*Cultivator.*



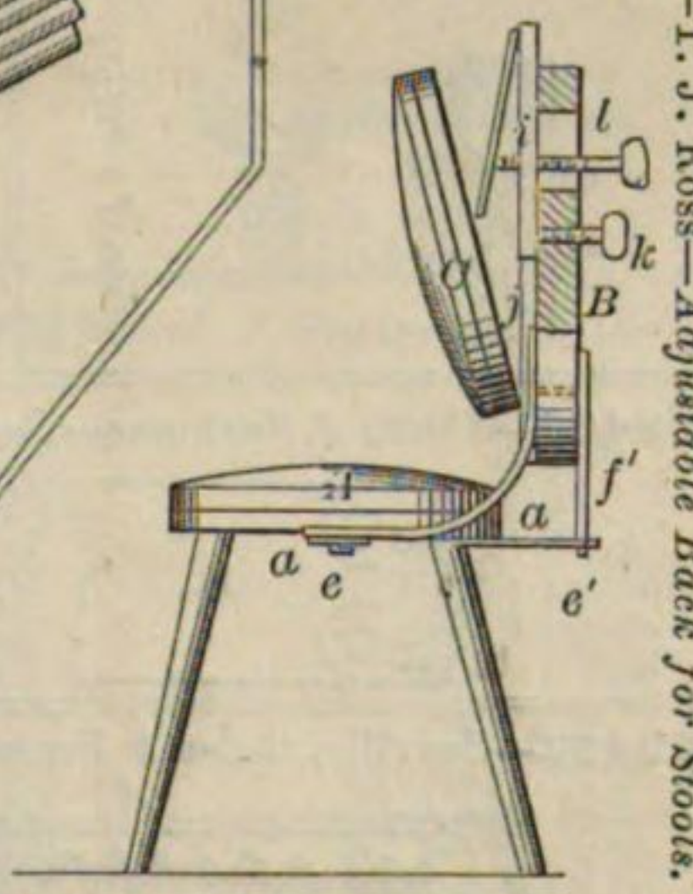
59453—W. A. Rex—*Punch.*



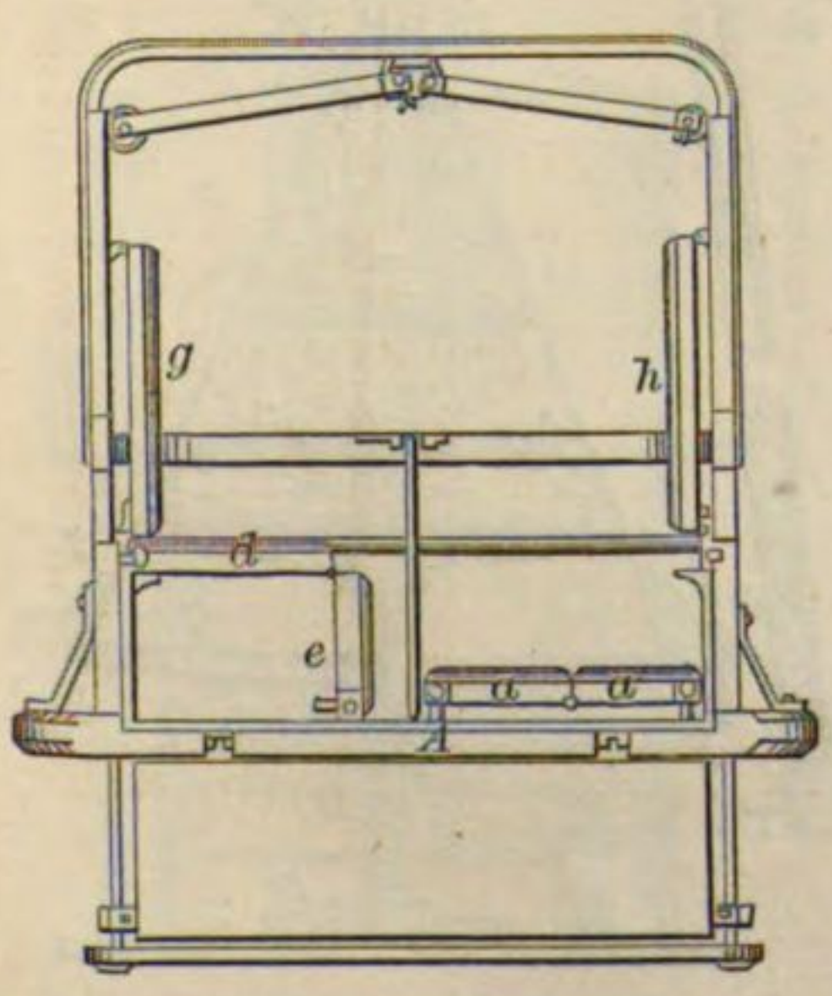
59458—E. A. G. Roulstone—*Trunk Moulding.*



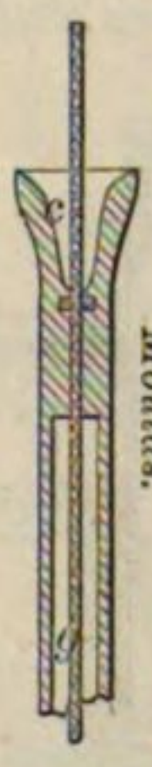
59457—T. J. Ross—*Adjustable Back for Stools.*



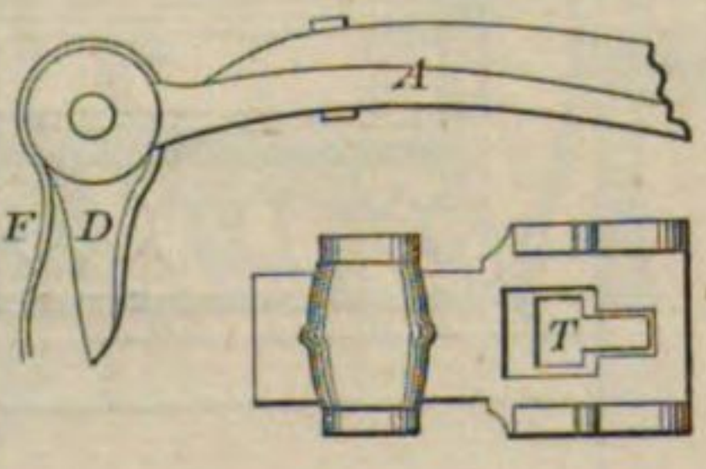
59459—Rucker, Allen & Smith—*Ambulance.*



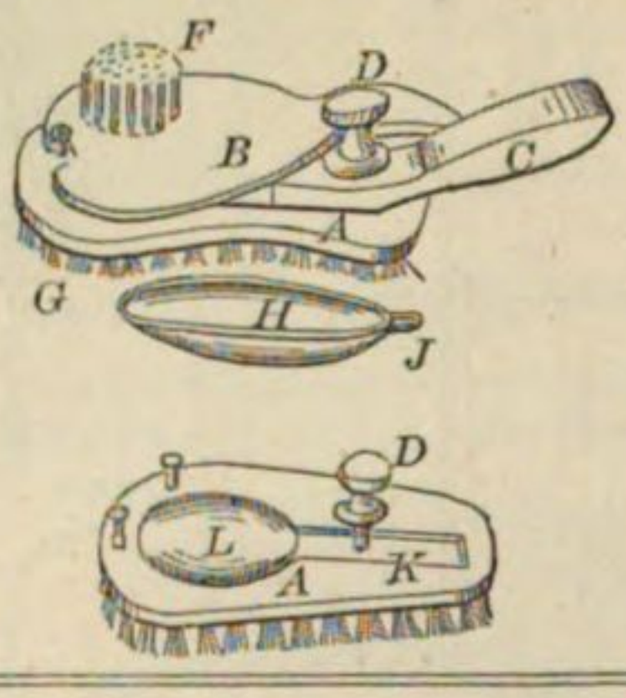
59460—H. R. Ryder—*Tubular Plunger for Candle Moulds.*



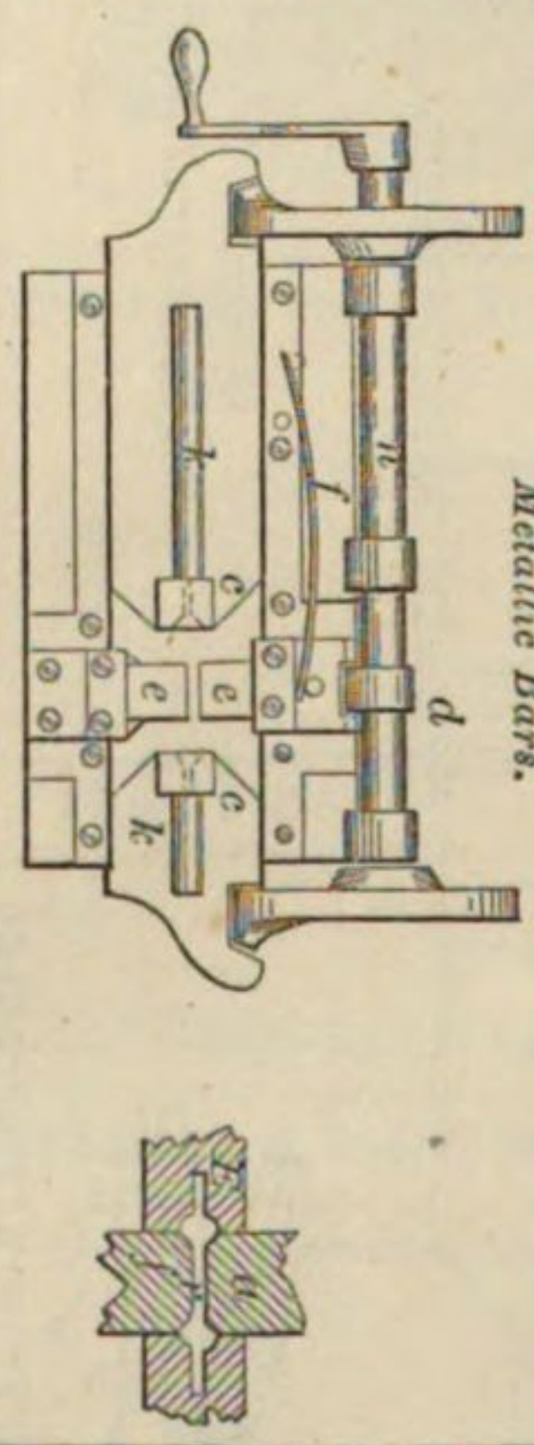
59455—Rood & Hackett—*Thill Coupling.*



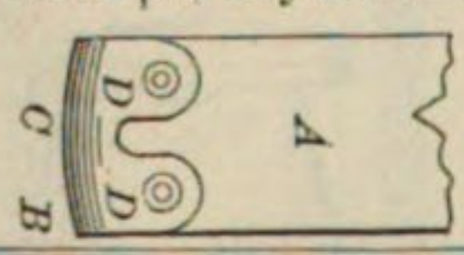
59461—W. H. H. Saunders—*Blacking Brush and Box.*



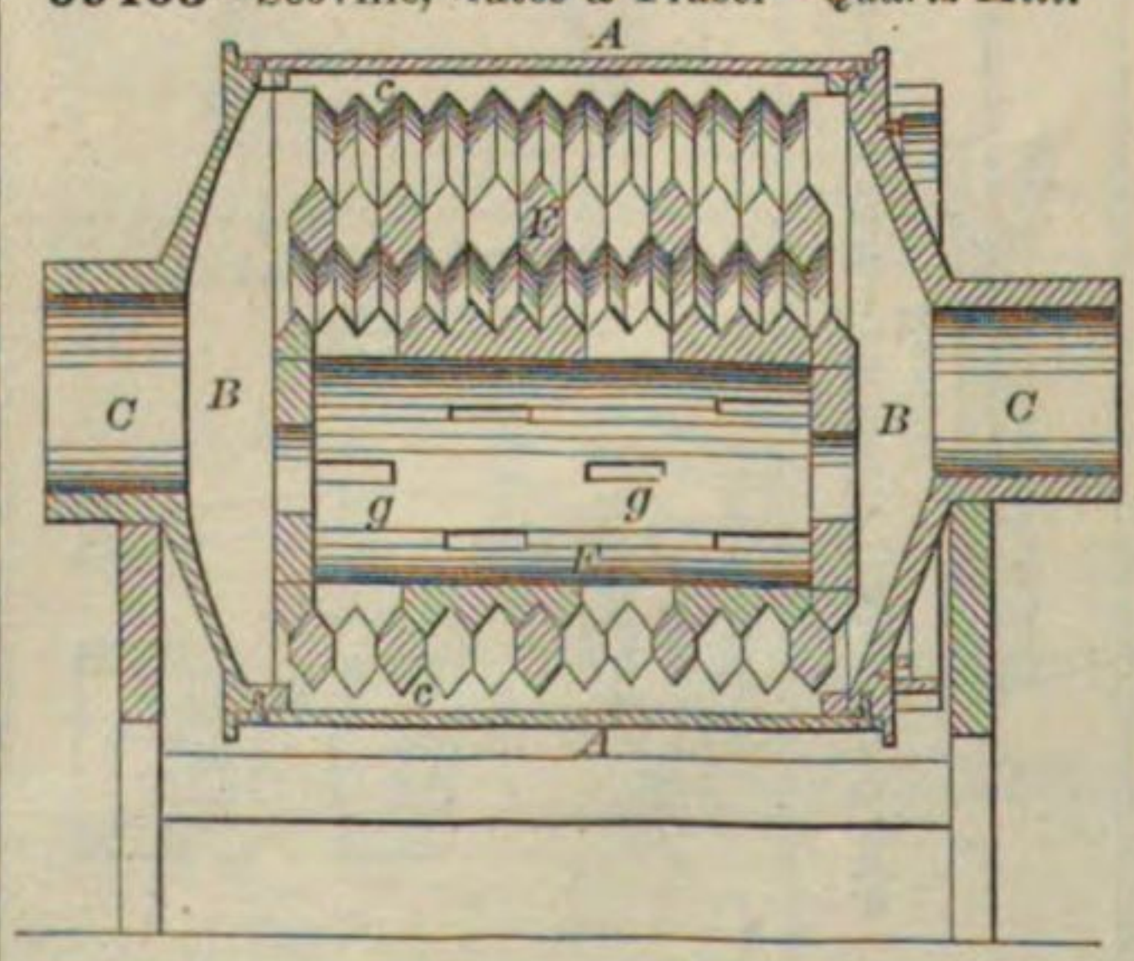
59464—M. Seward—*For Upsetting and Forming Articles from Metallic Bars.*



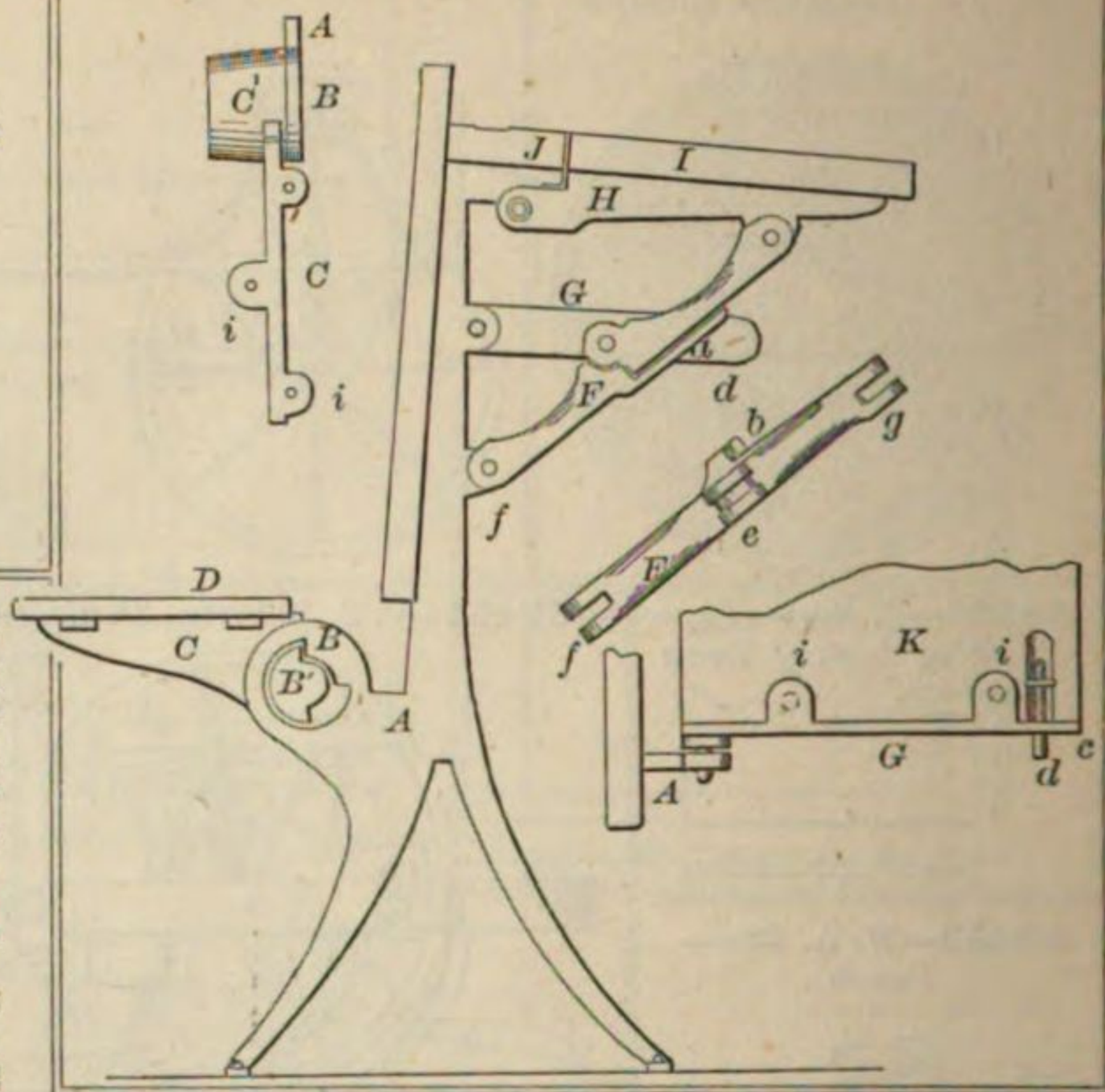
59465—Sharp & Seymour—*Suspenders.*



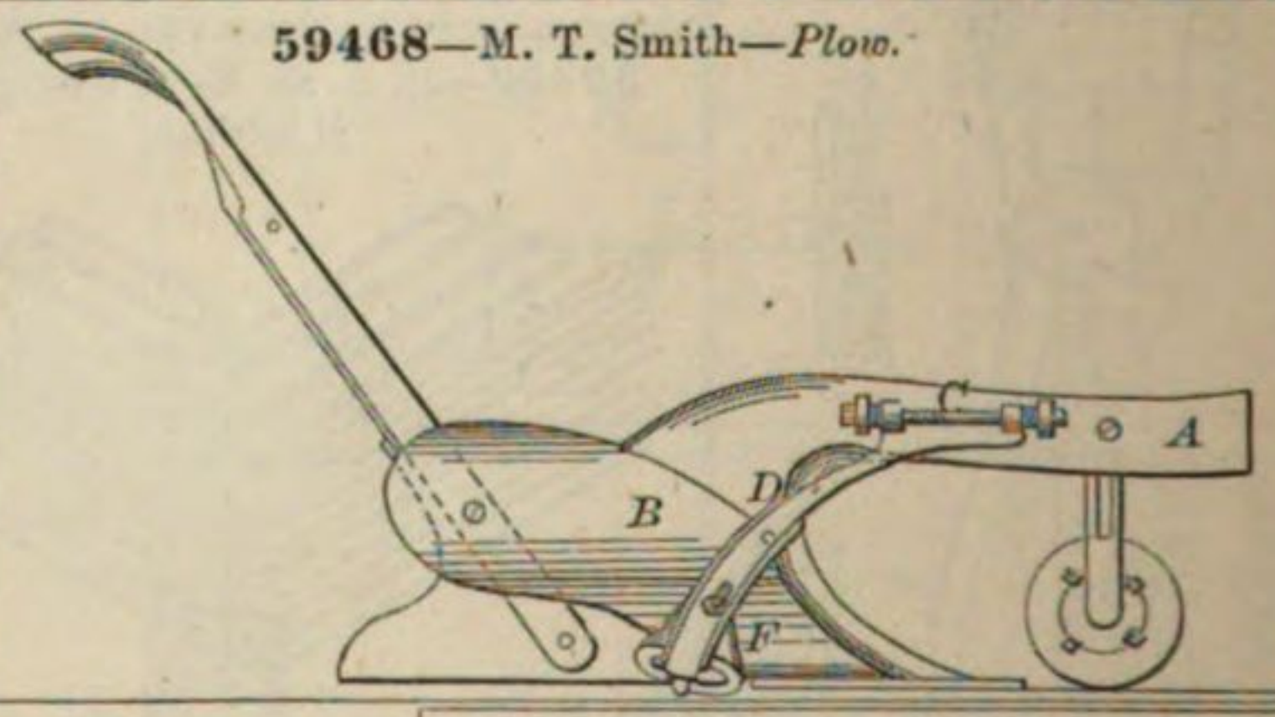
59463—Scoville, Gates & Fraser—*Quartz Mill.*



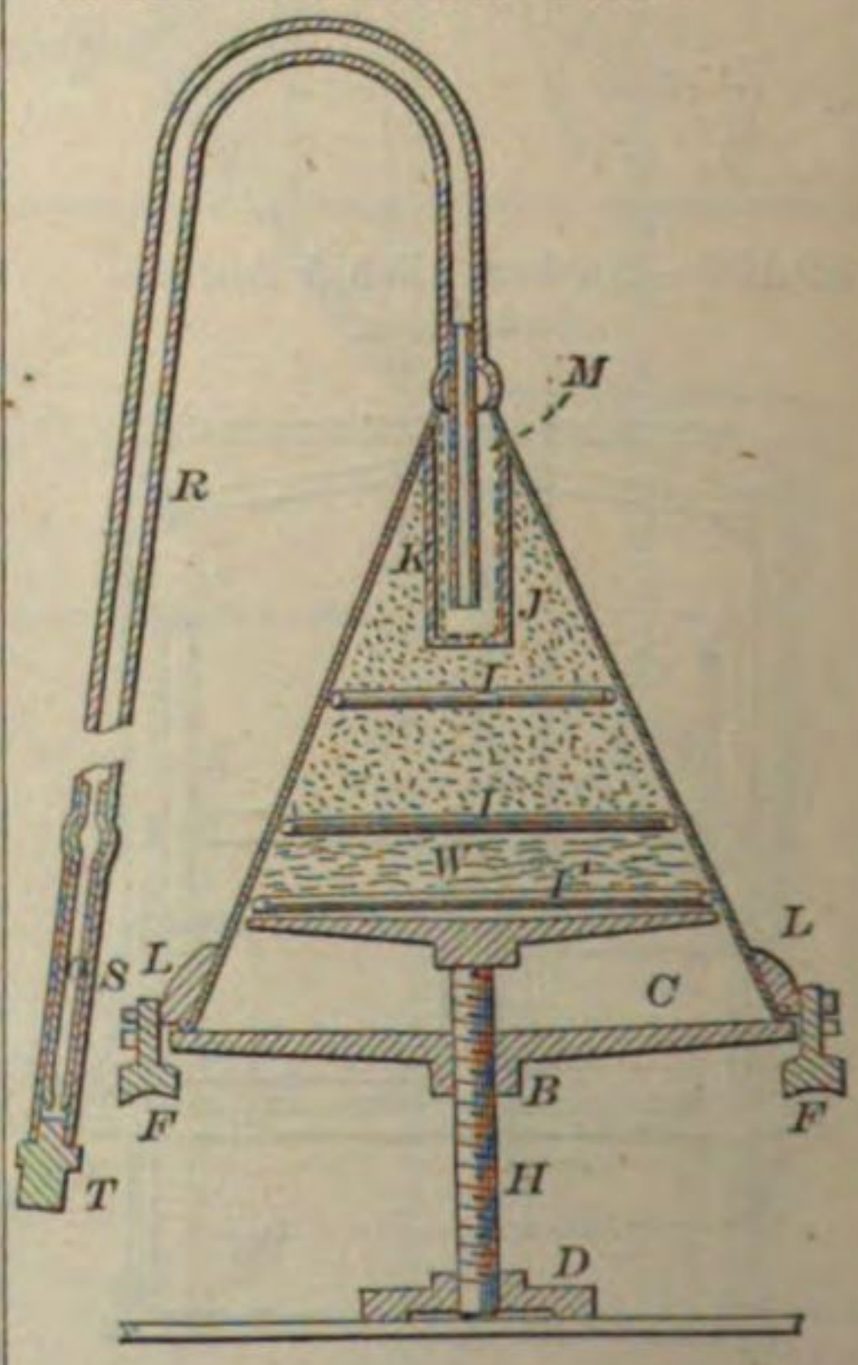
59466—C. W. Sherwood—*School Desk and Seat.*



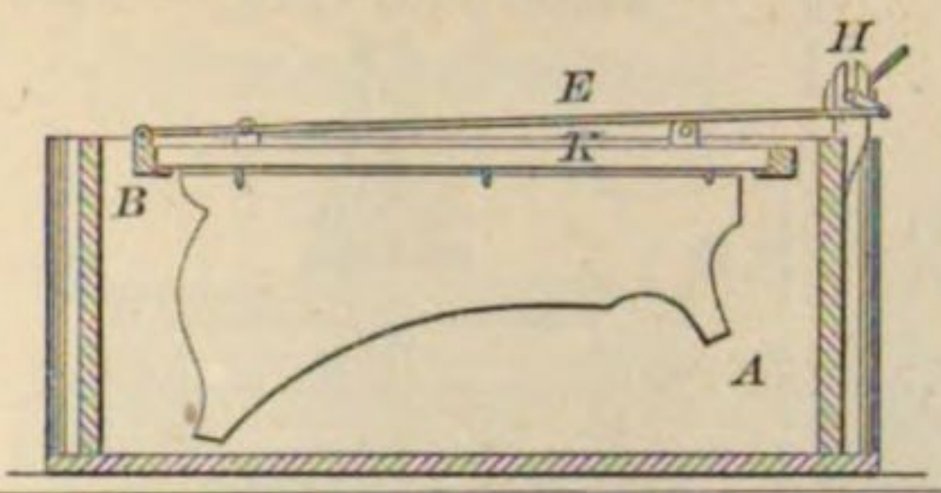
59468—M. T. Smith—*Plow.*



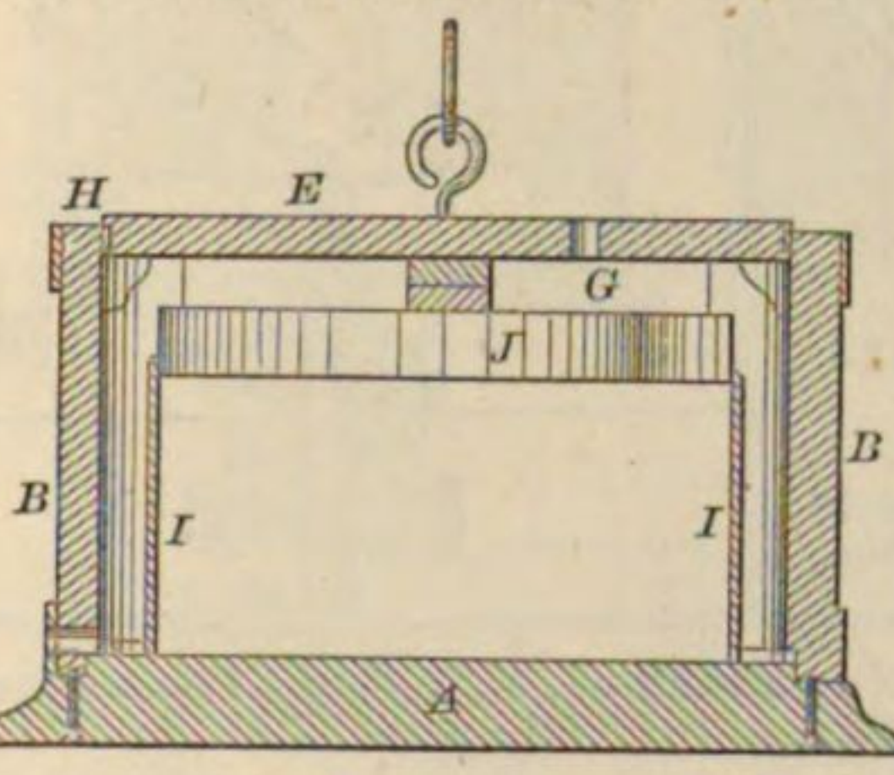
59467—T Simmons—*Filter.*



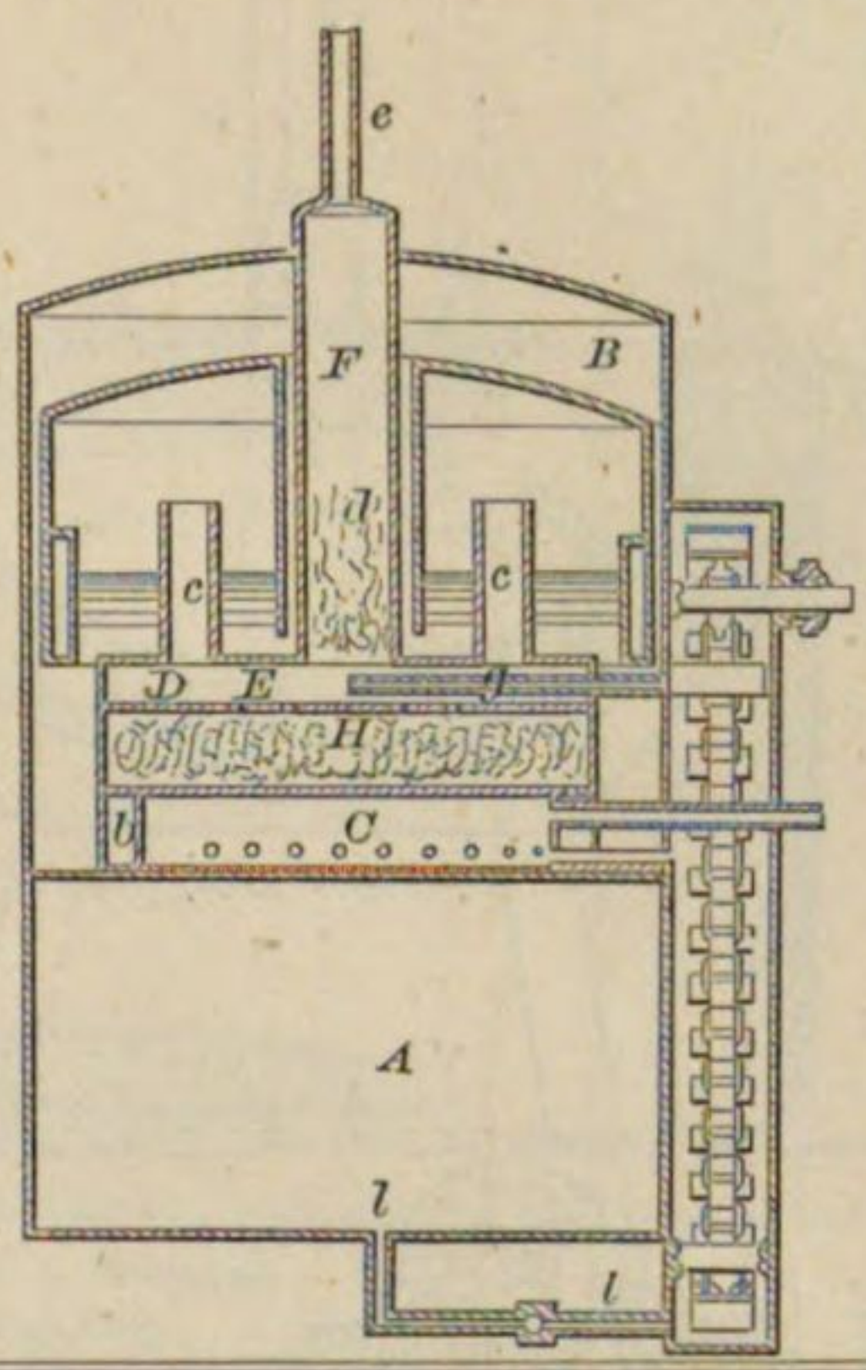
59469—J. Snell, Jr.—*For Handling Hides.*



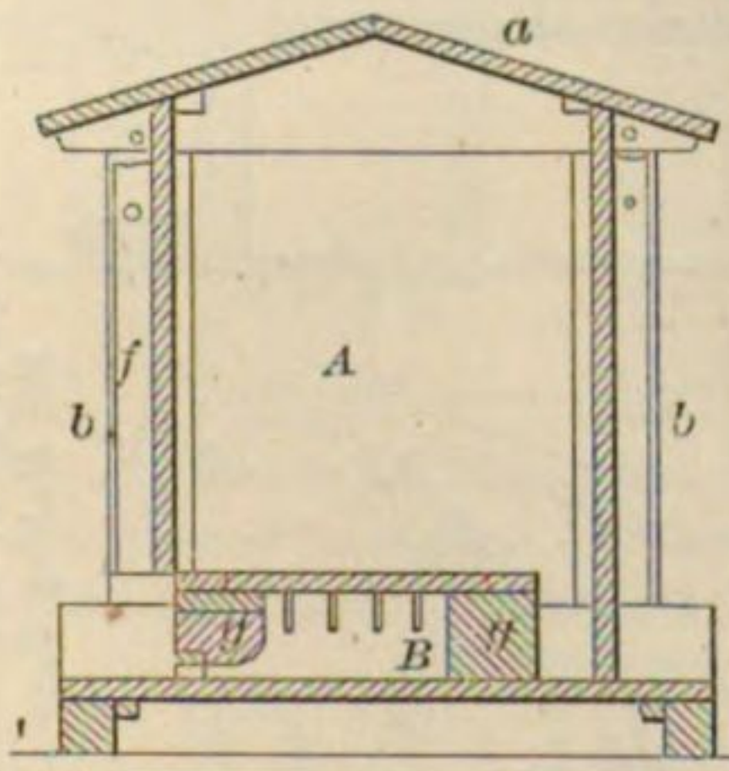
59475—W. H. Stevens—*Cheese Press.*



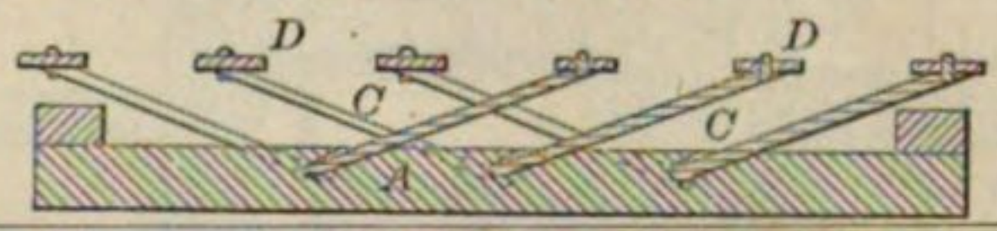
59474—L. Stevens—*For Carburetting Air.*



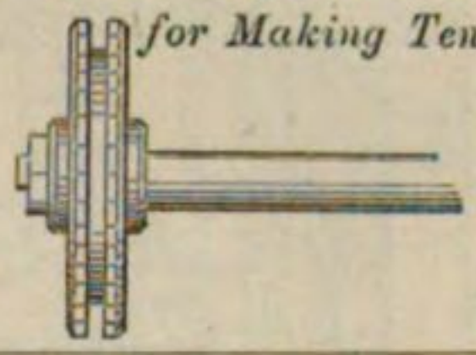
59471—J. H Starr—*Beehive.*



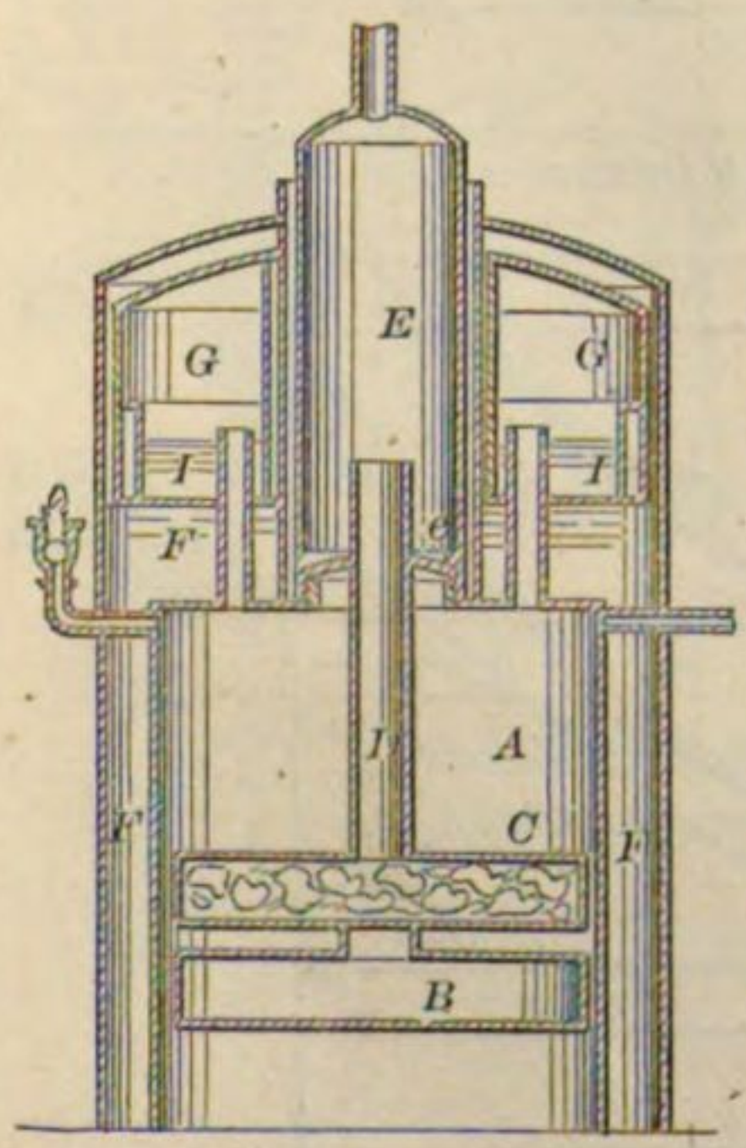
59470—D. Spore—*Bed Bottom.*



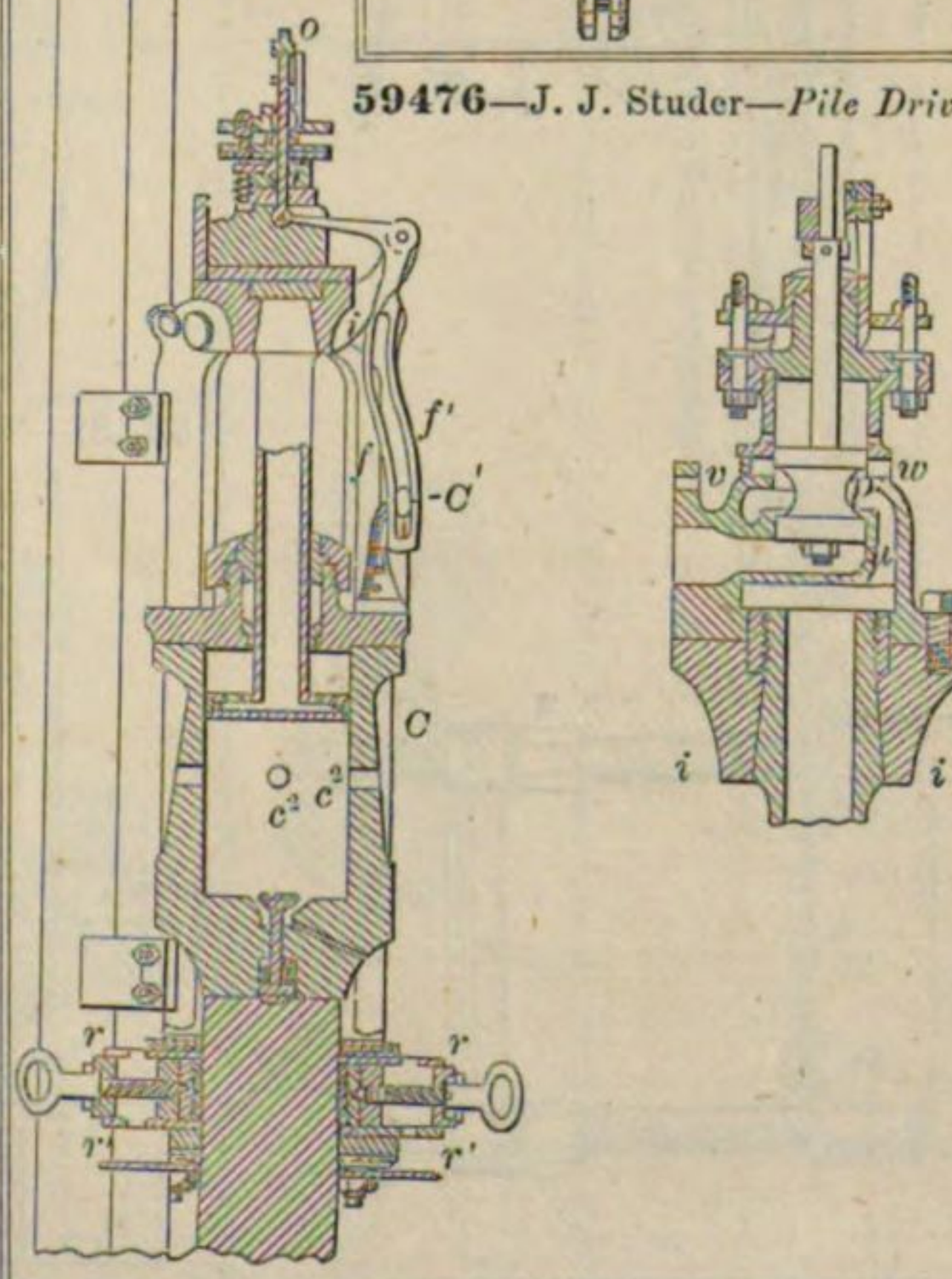
59472—D. H. Stephens—*Tool for Making Tenons.*



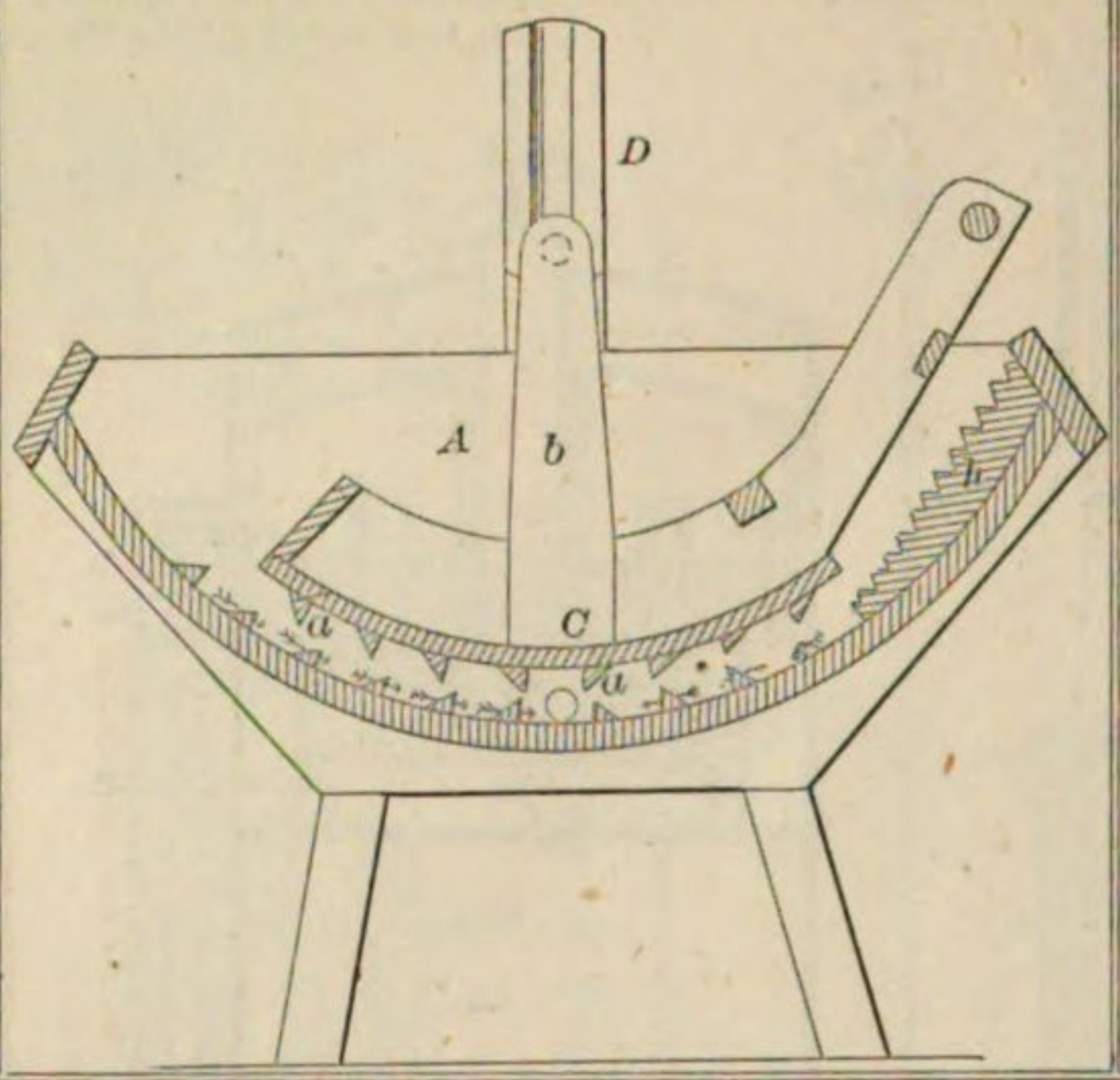
59473—L. Stevens—*For Carburetting Air.*



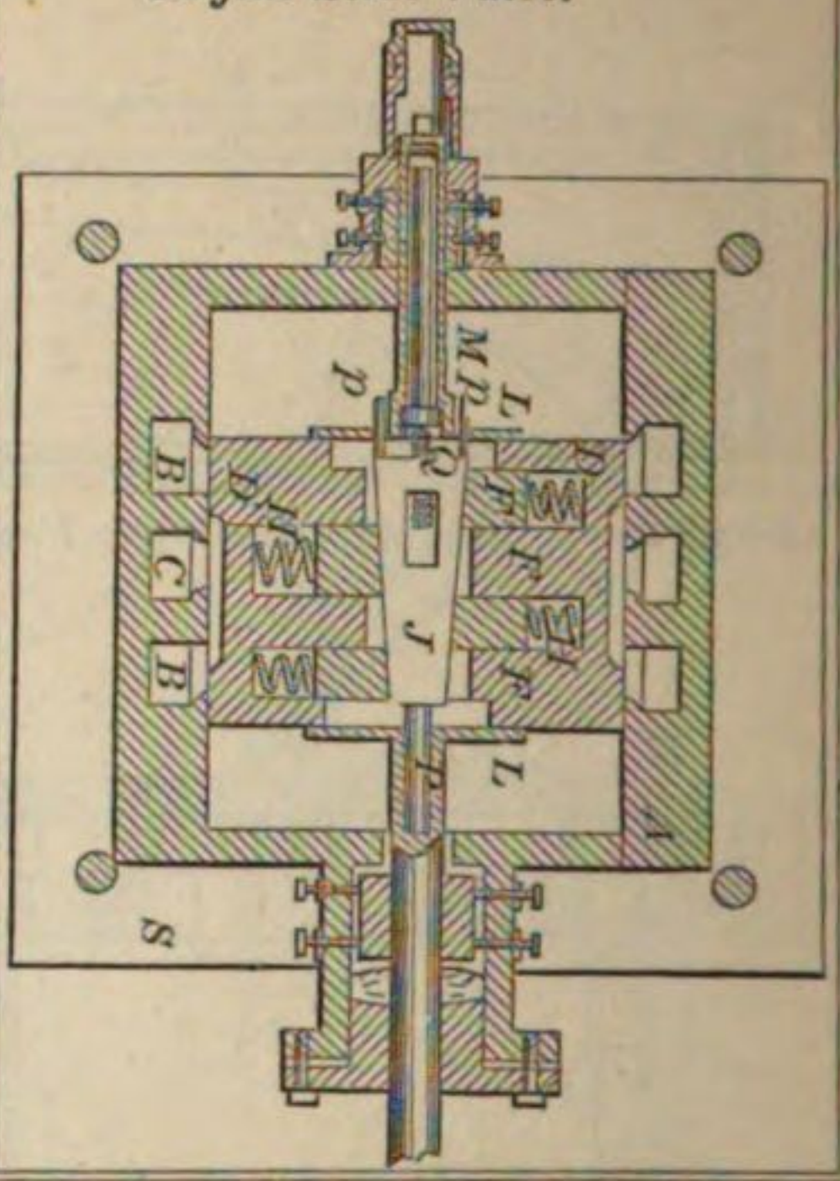
59476—J. J. Studer—*Pile Driver.*



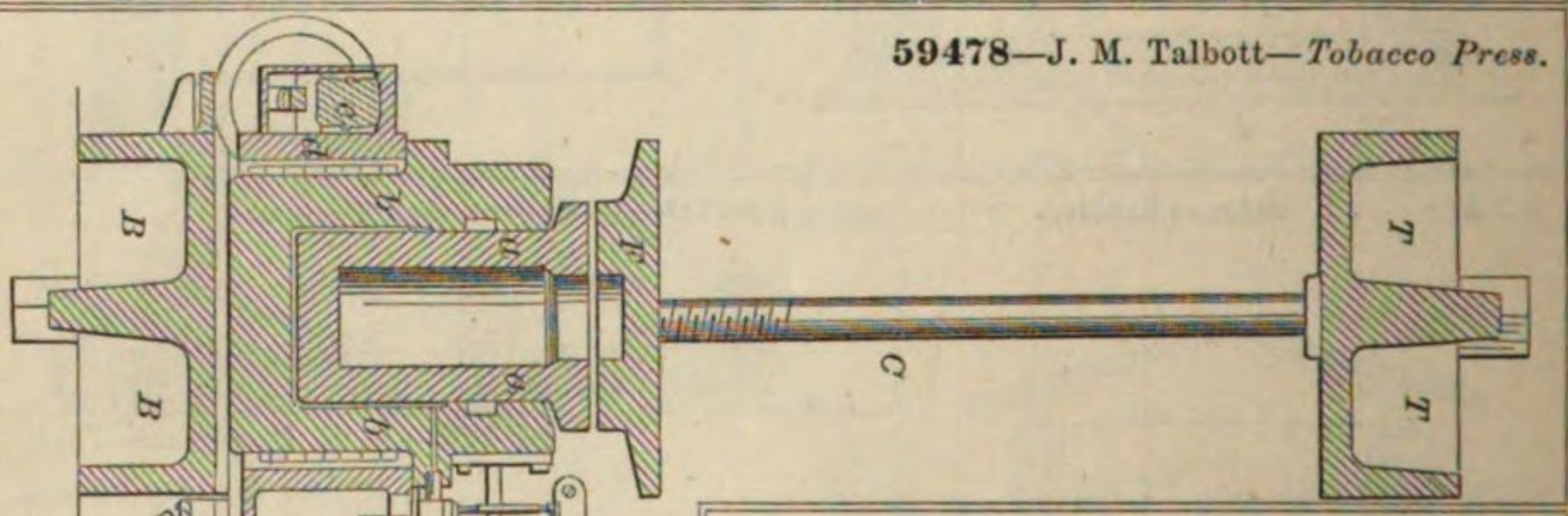
59477—W. C. Taggart—*Washing Machine.*



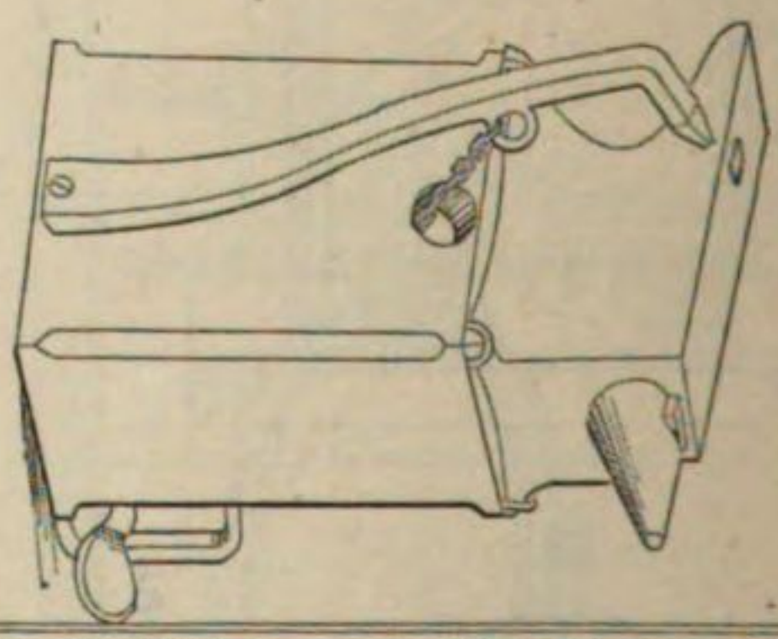
59480—E. D. Taylor—*Steam Engine Slide Valve.*



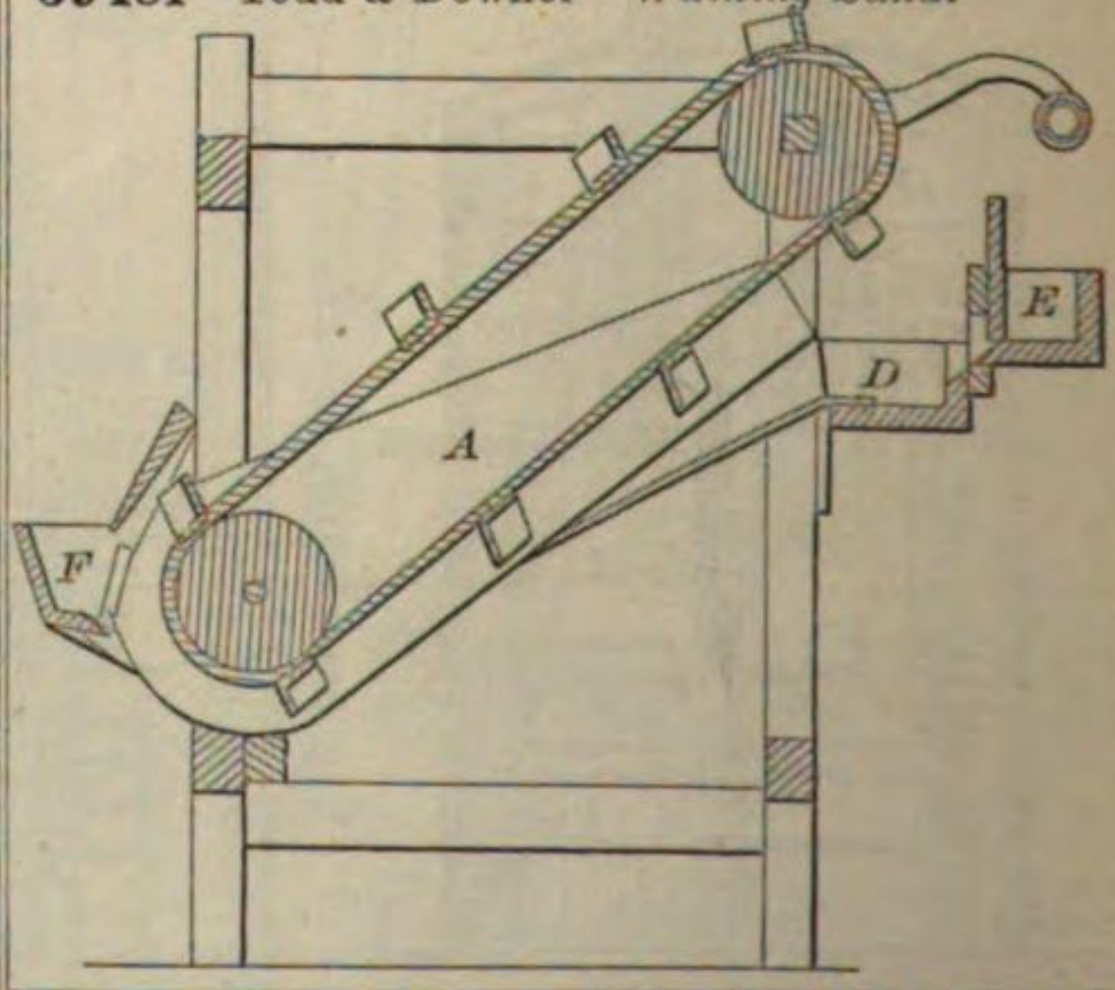
59478—J. M. Talbott—*Tobacco Press.*

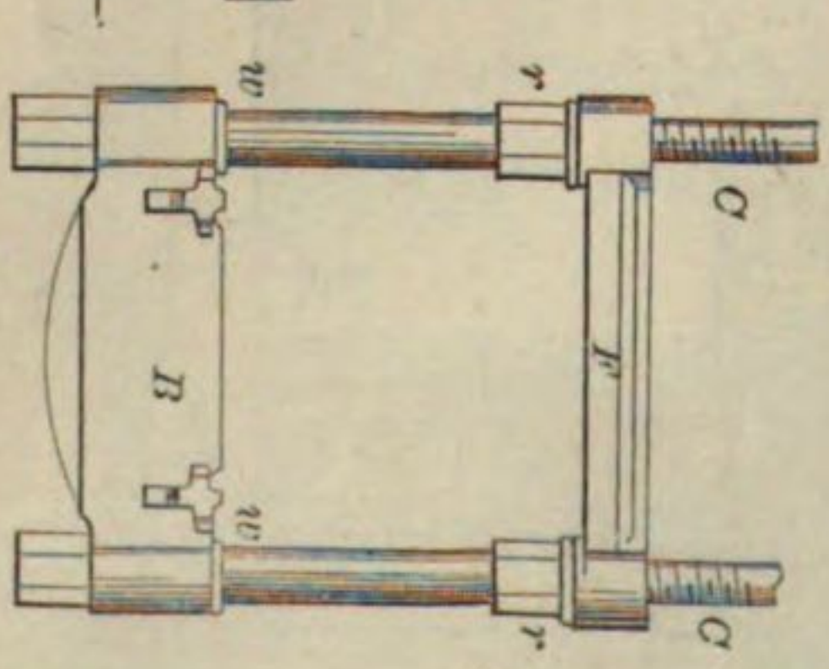


59479—T. G. Tompson—*For Making Horse Shoes.*

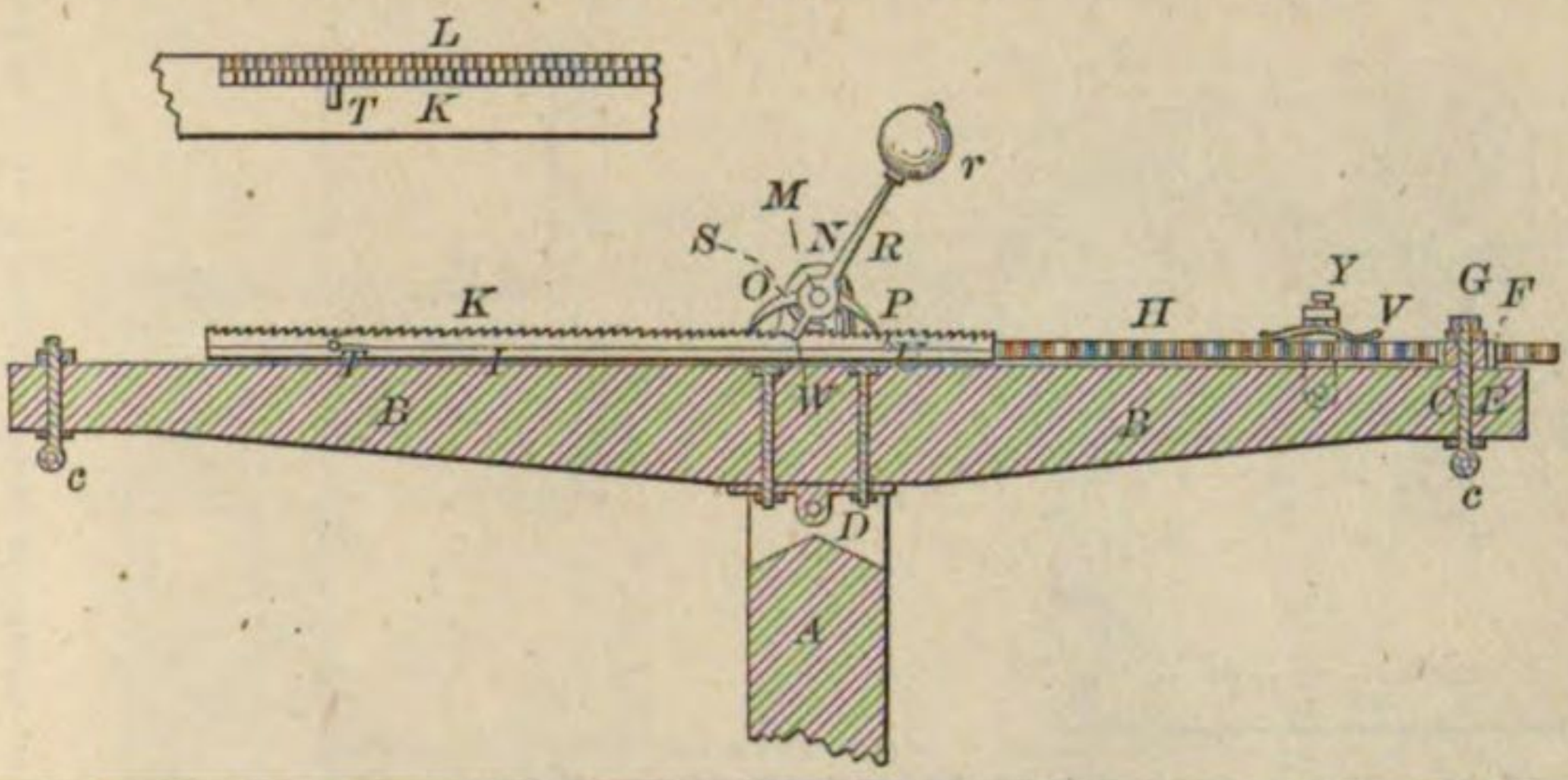


59481—Todd & Downer—*Washing Sand.*

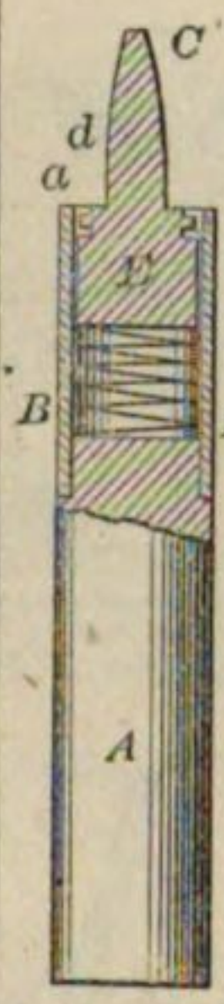




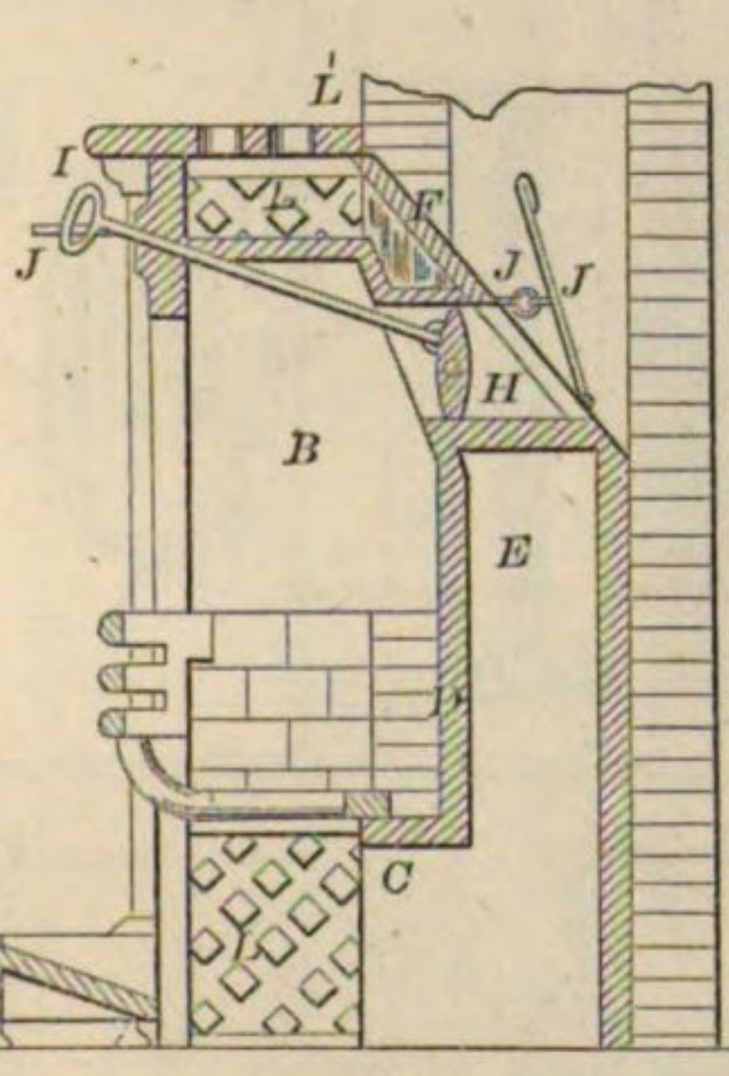
59482—W. B. Trunick—*Boring Tool for Wells.*



59483—D. Tuttle—*Trace Lock.*

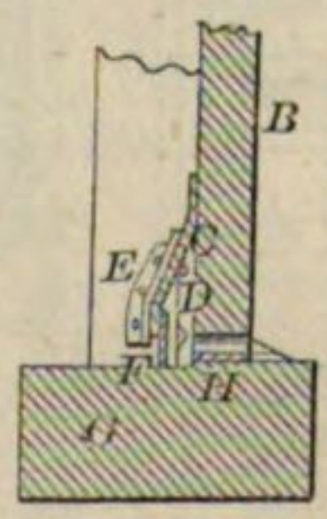


59484—I. H. Upton—*Fire Place.*

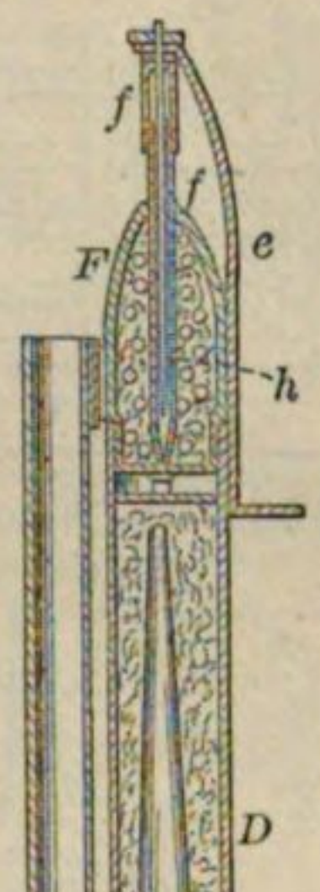


59485—C. Van Dycck—*Cigar.*

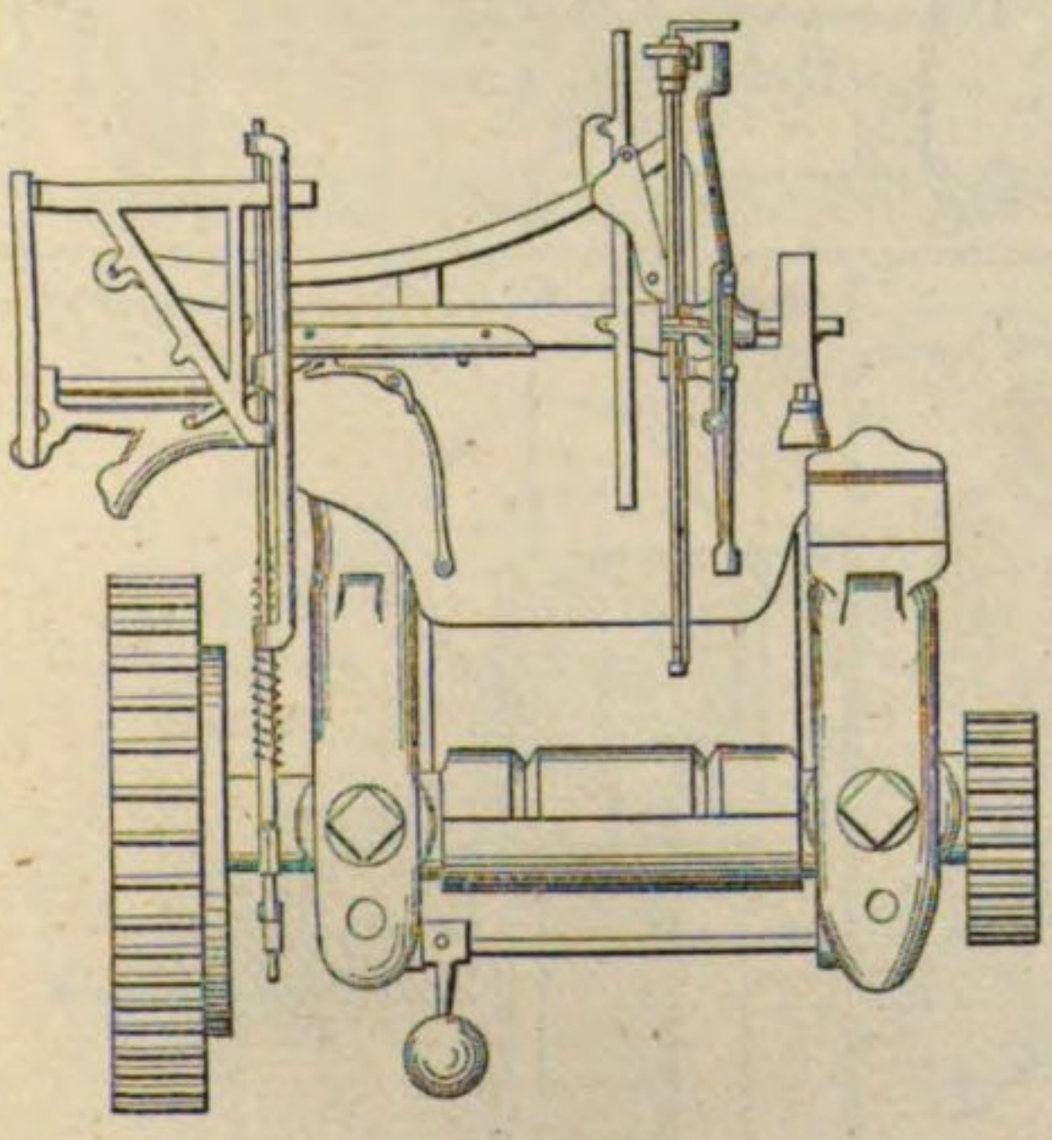
59486—J. A. Vincent—*Weather Strip.*

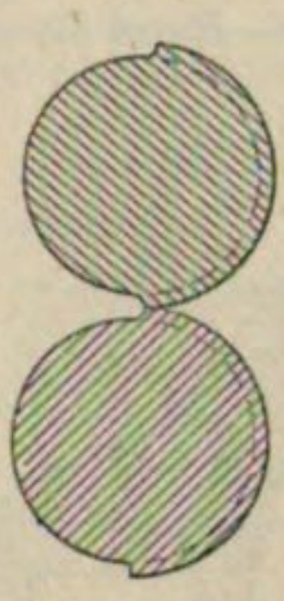


59487—J. J. B. Walbach—*War Rocket.*

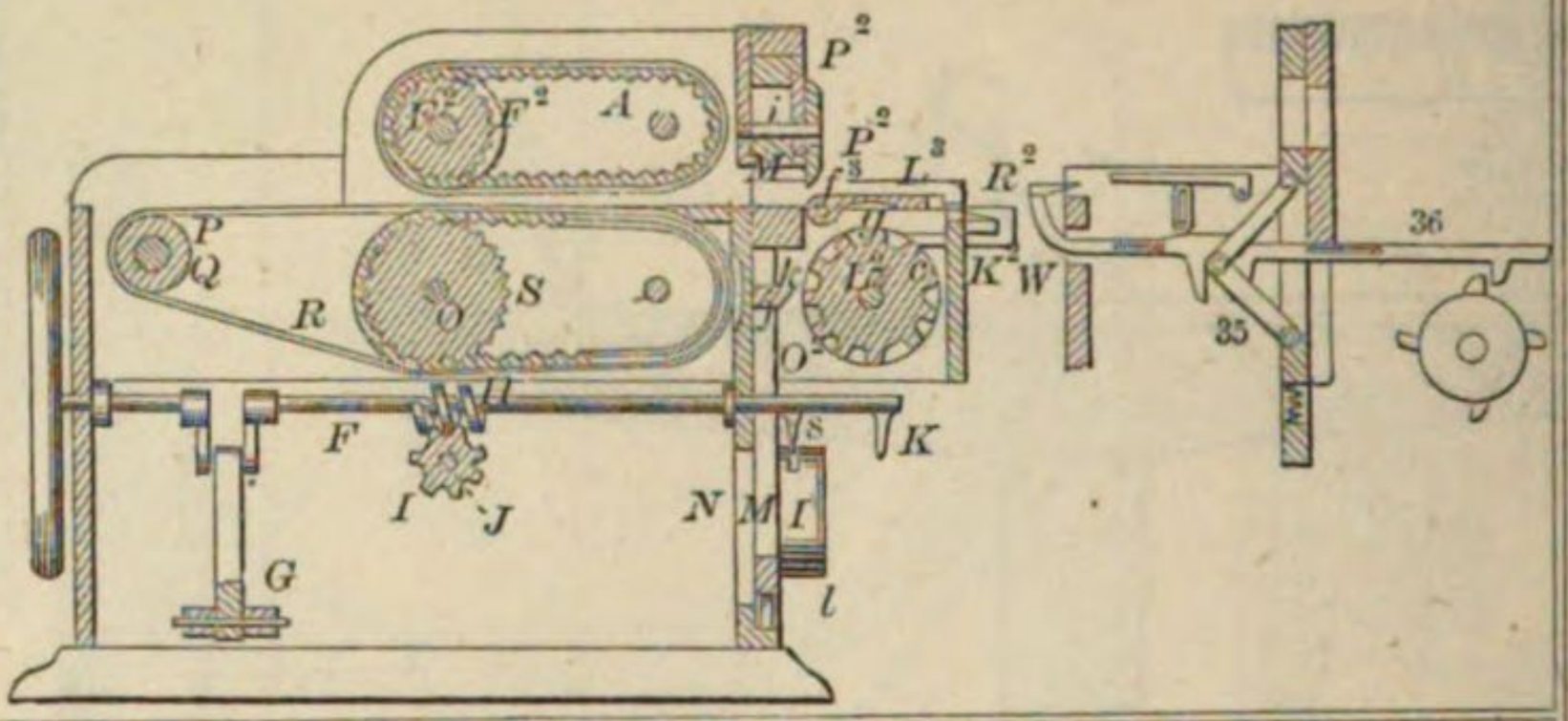


59488—H. Waters—*Rolling-Die Apparatus.*

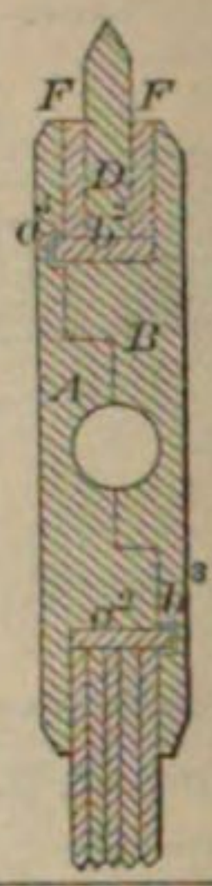




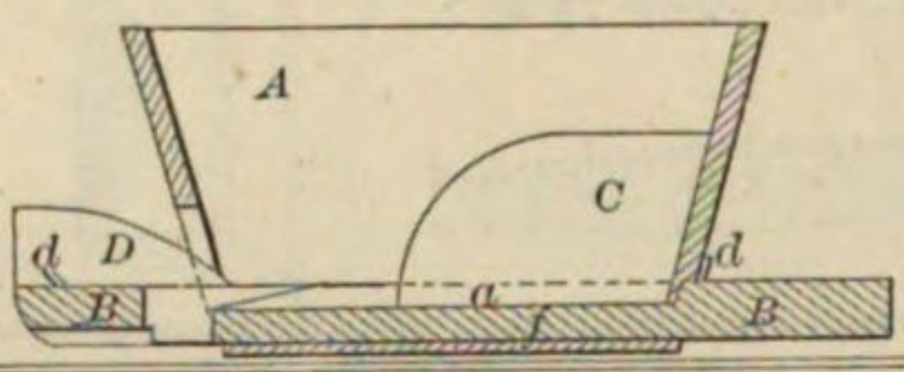
59489—W. H. Watson—*For Pressing Tobacco.*



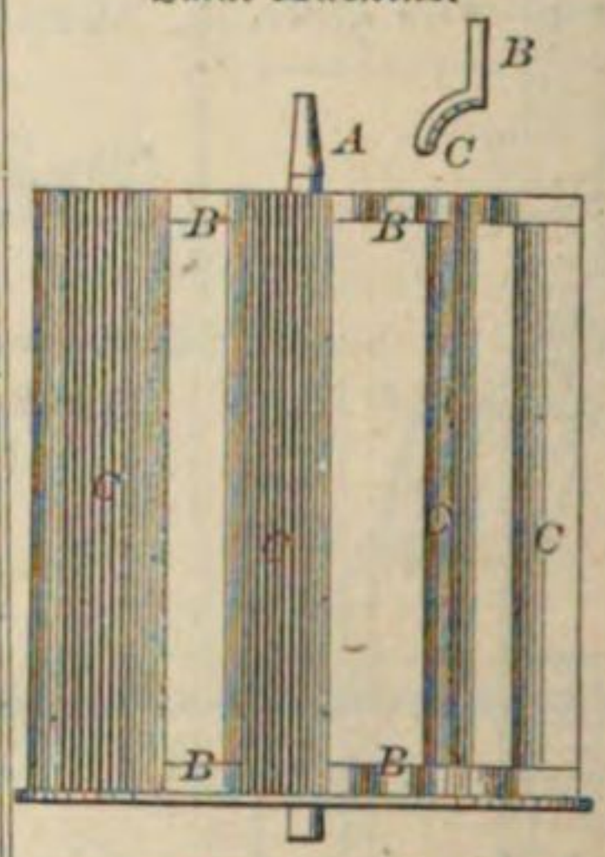
59491—A. Wheeler—*Bush Hammer.*



59490—M. D. Wells—*Cotton Seed Planter.*

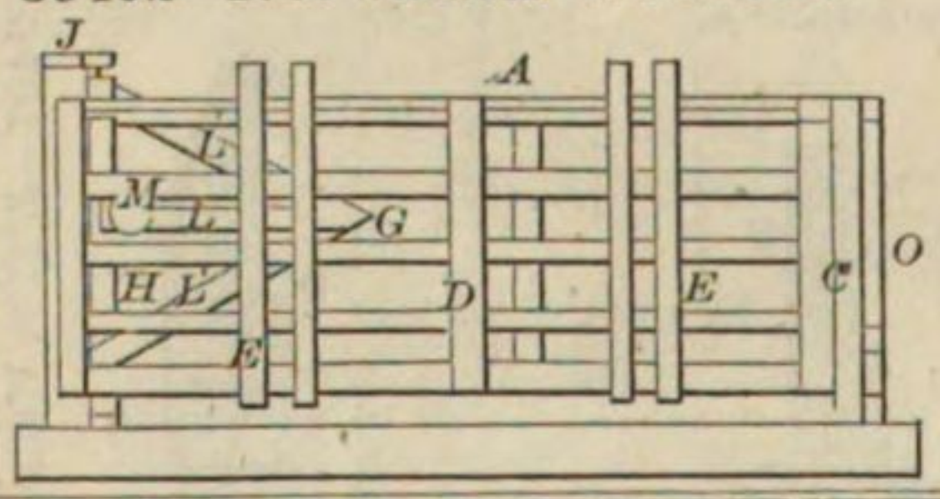


59493—W. G. Willcox—*Smut Machine.*



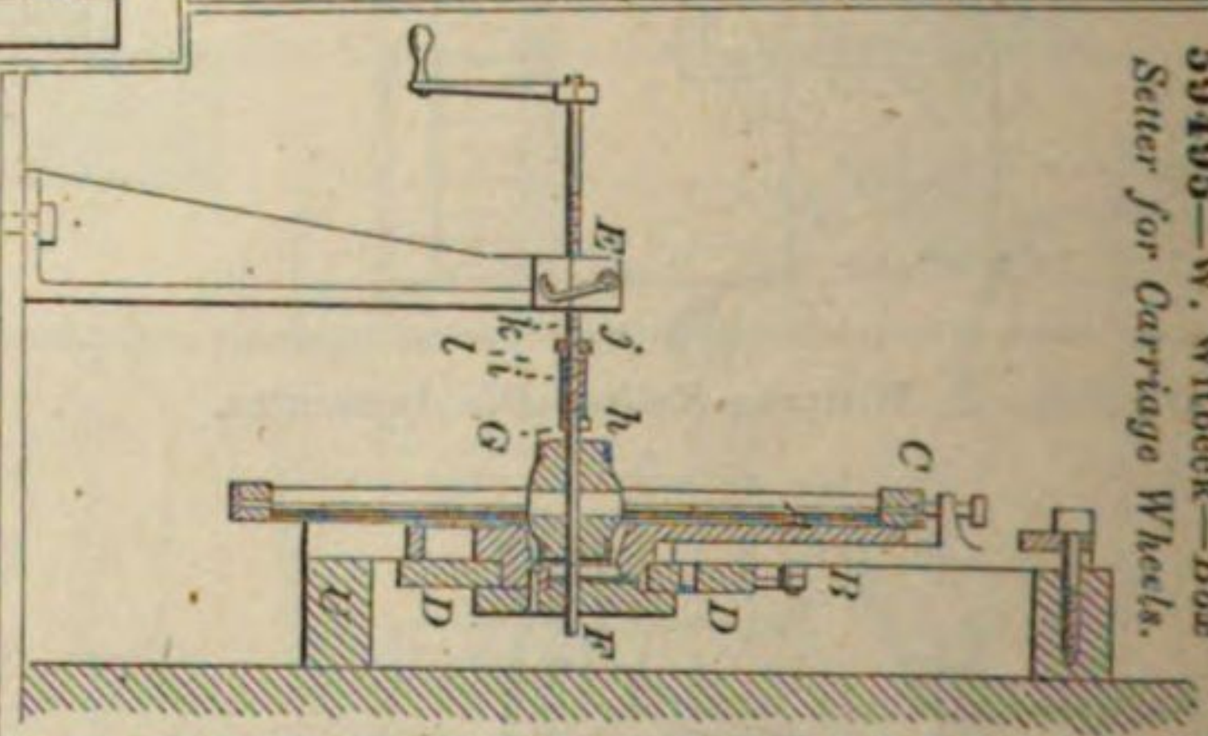
59496—A. G. Wolf—*Strapping Block.*

59492—B. J. Wheelock—*Fence Gate.*

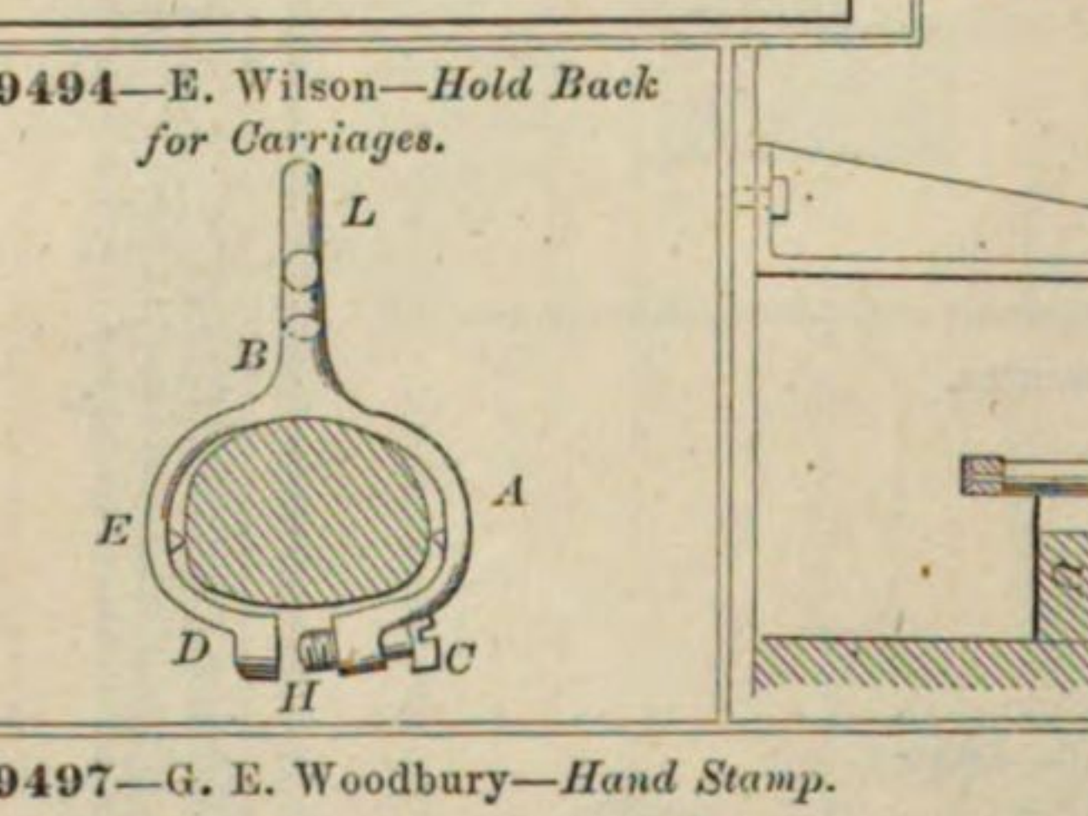


59494—E. Wilson—*Hold Back for Carriages.*

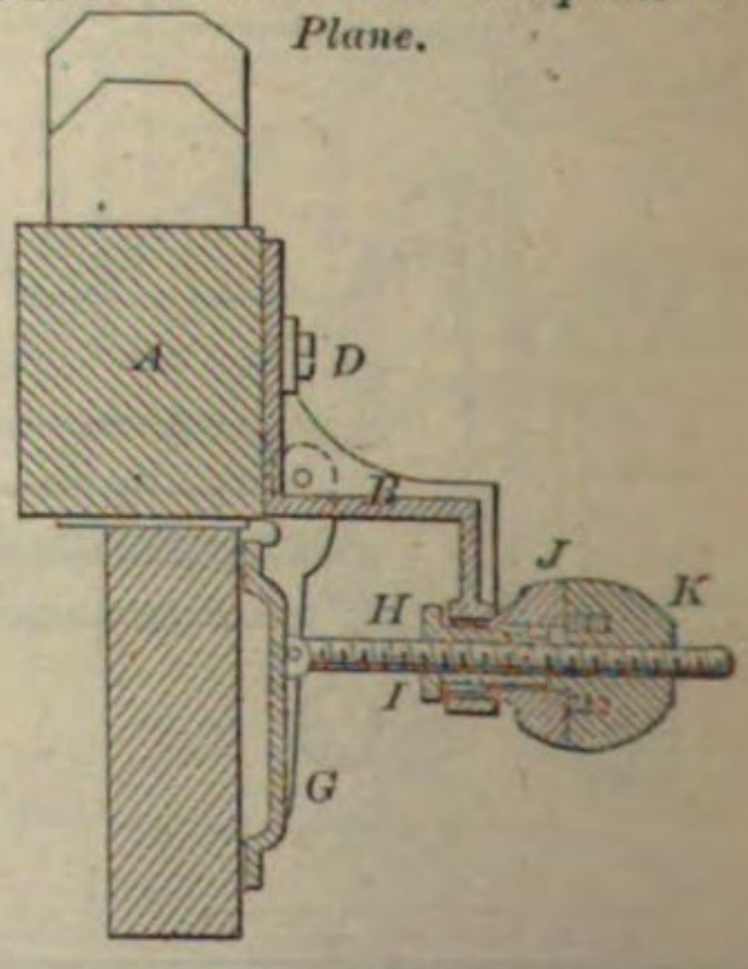
59495—W. Witbeck—*Box Setter for Carriage Wheels.*



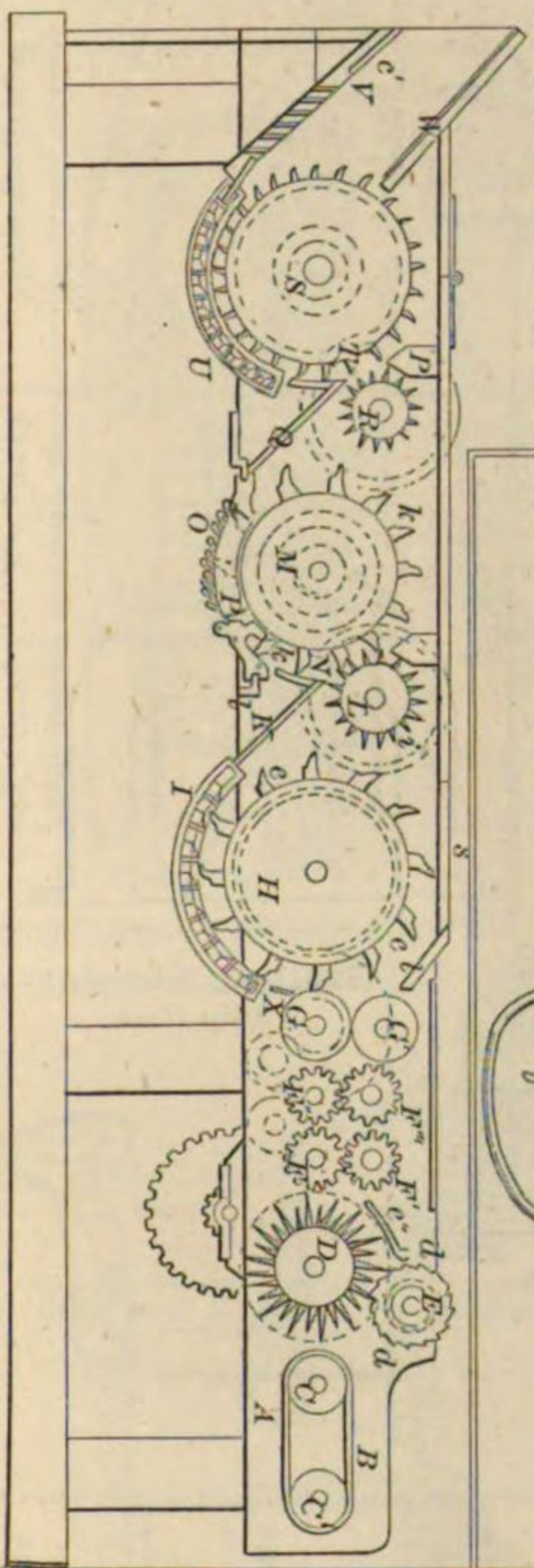
59497—G. E. Woodbury—*Hand Stamp.*



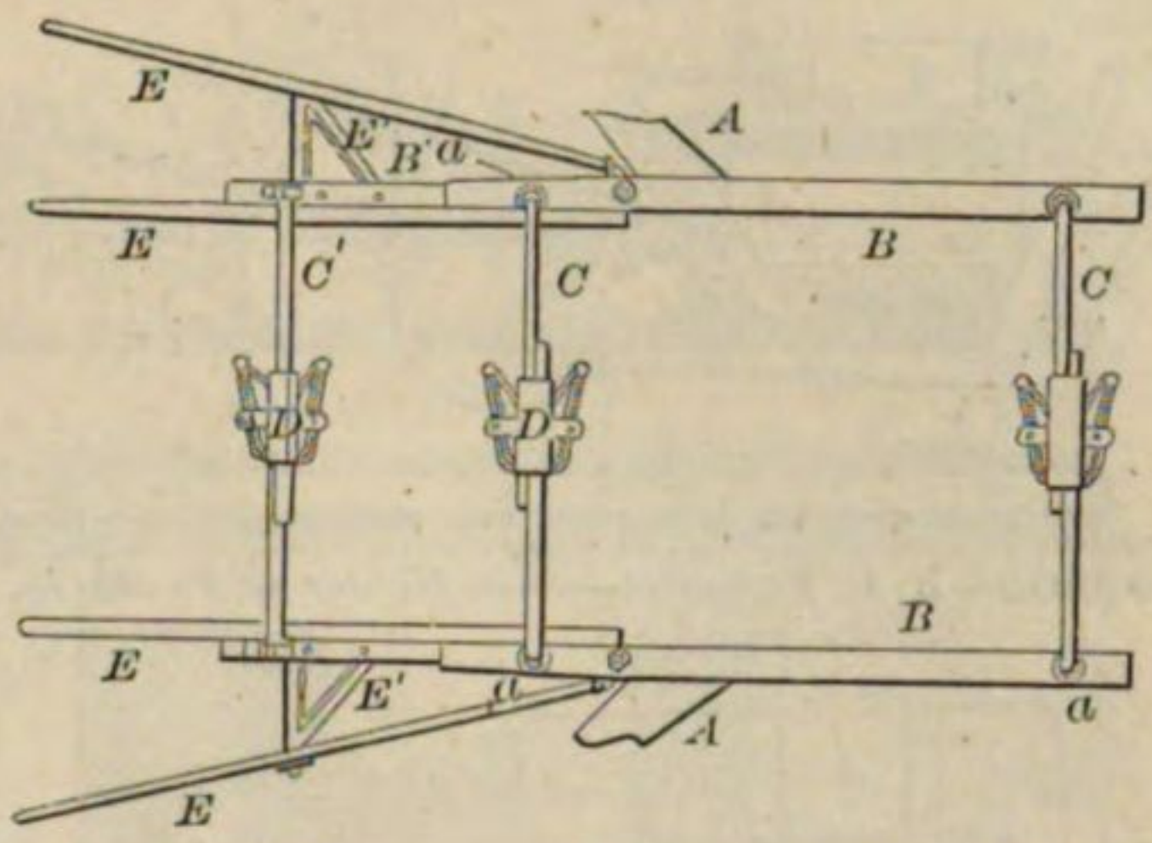
59498—J. Woodville—*Carpenter's Plane.*



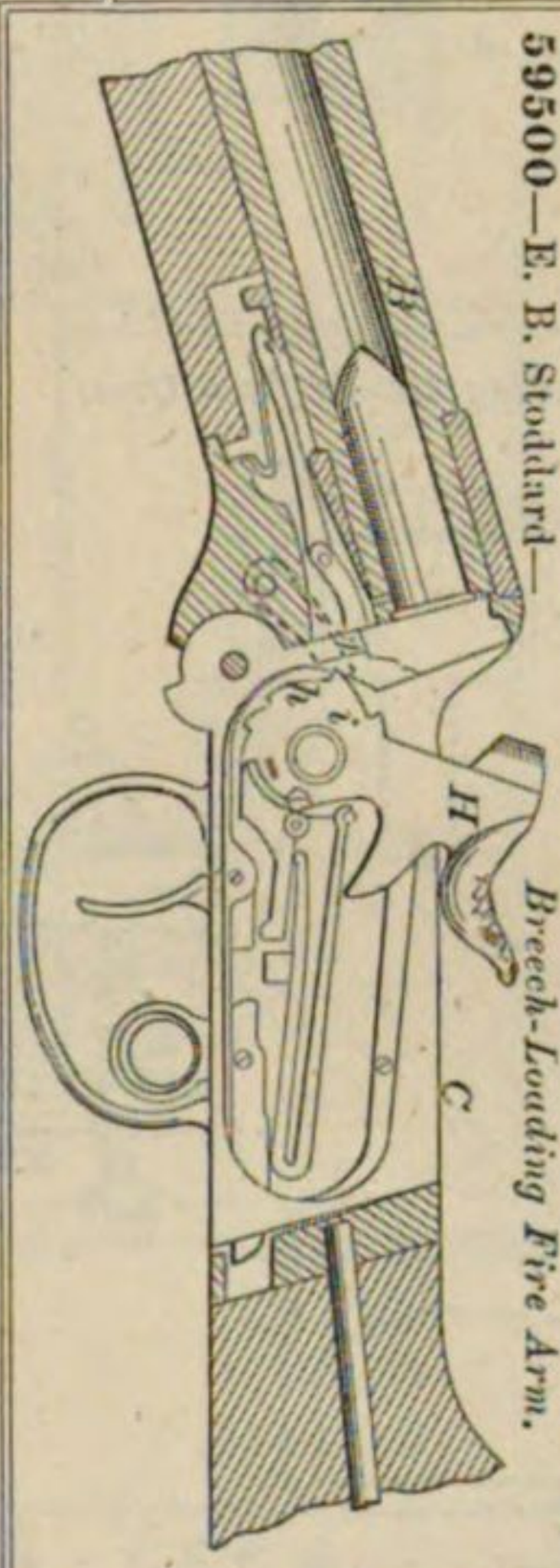
59503—S. A. Clemens—*For Breaking and Cleaning Flax.*



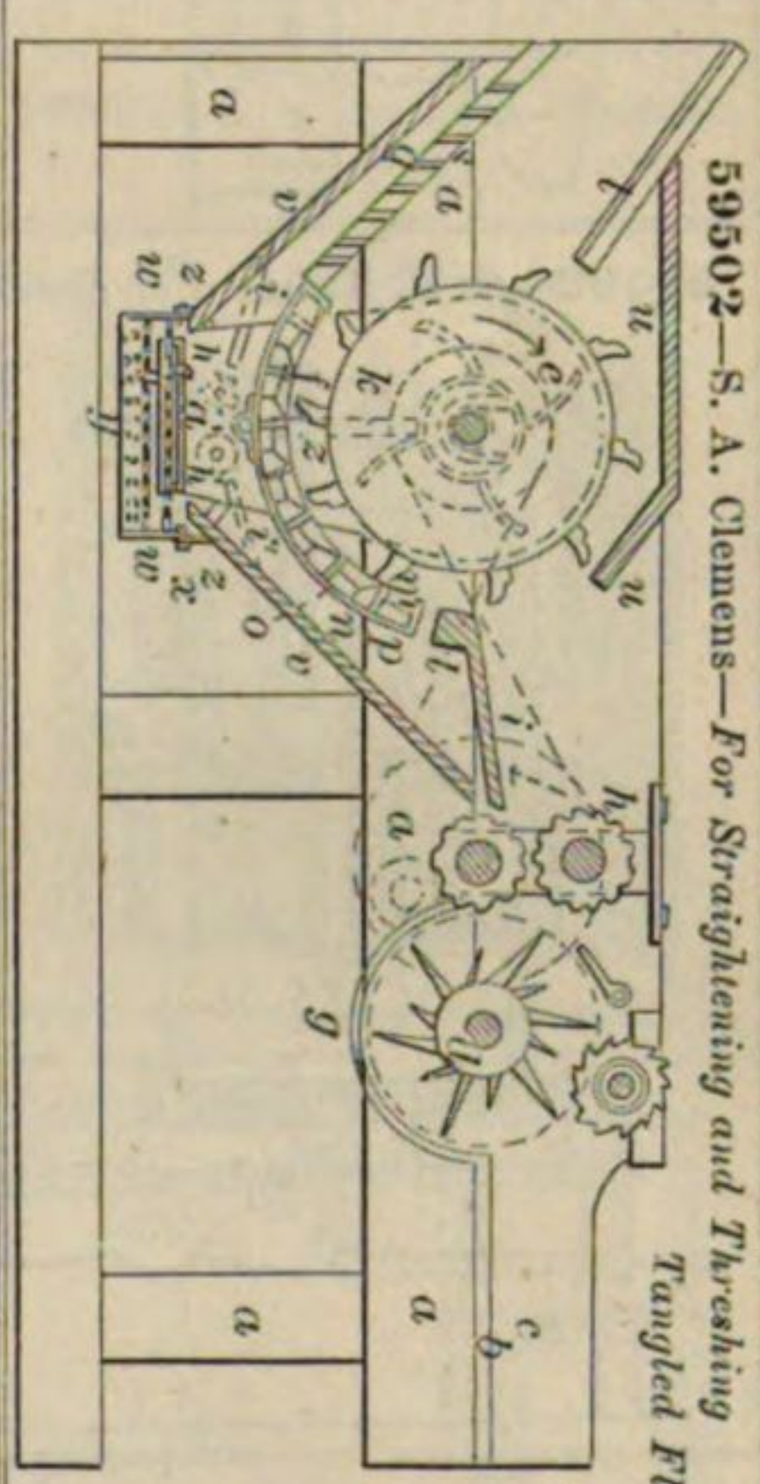
59499—A. Young—*Cultivator.*



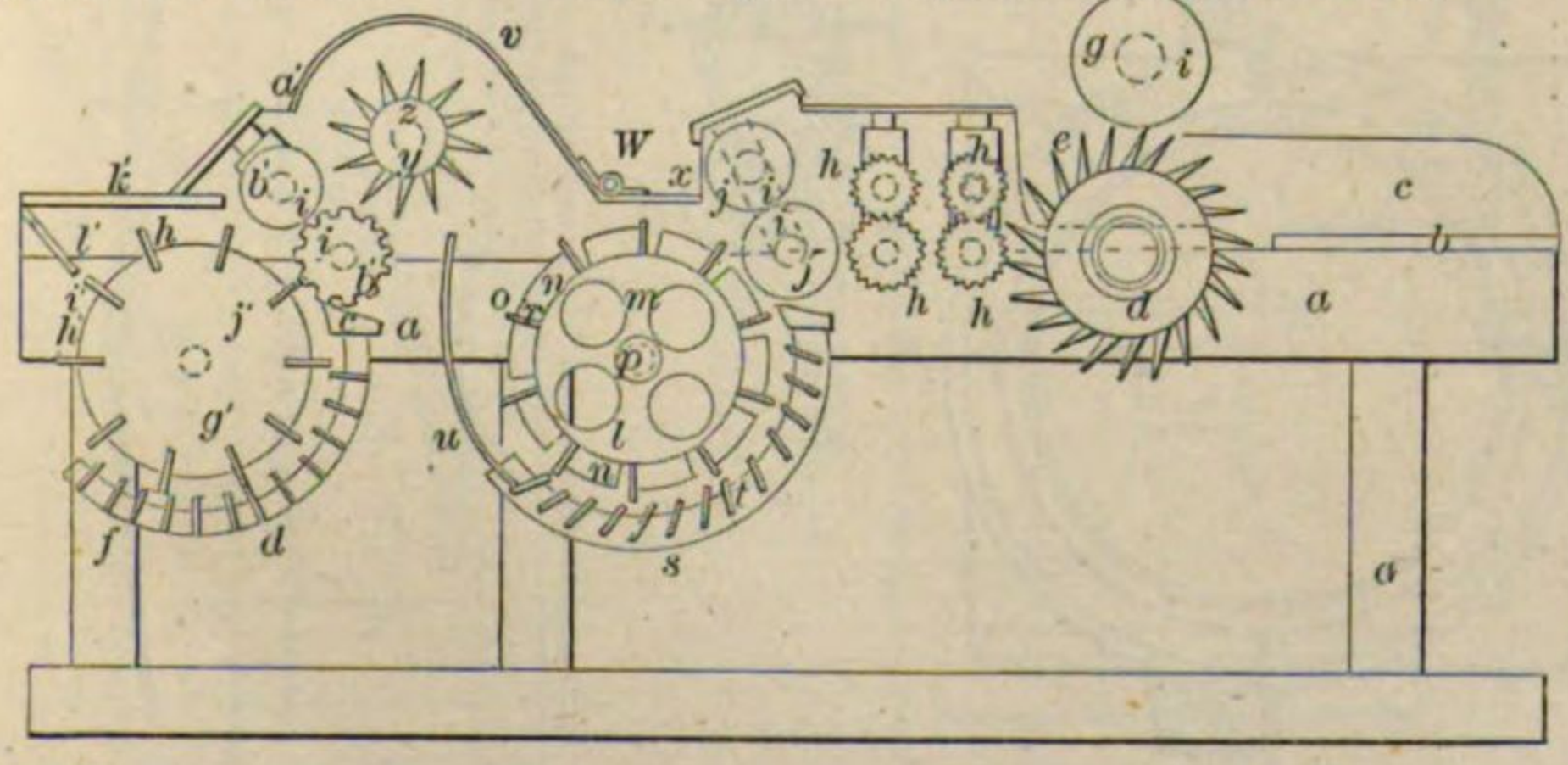
59500—E. B. Stoddard—*Breech-Loading Fire Arm.*



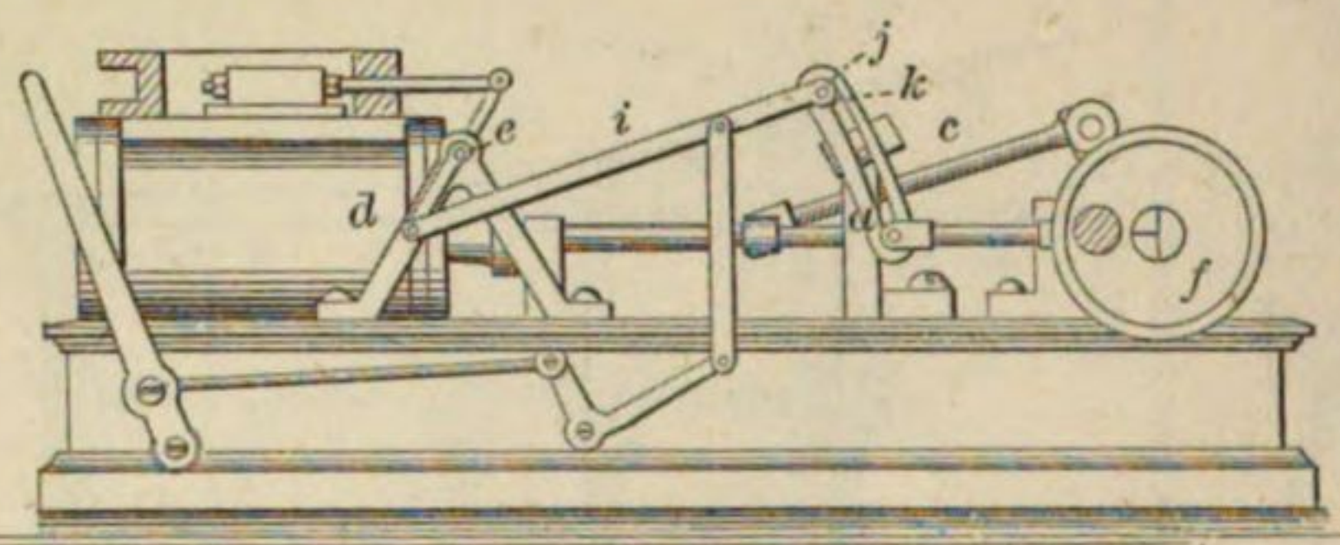
59502—S. A. Clemens—*For Straightening and Threshing Tangled Flax.*



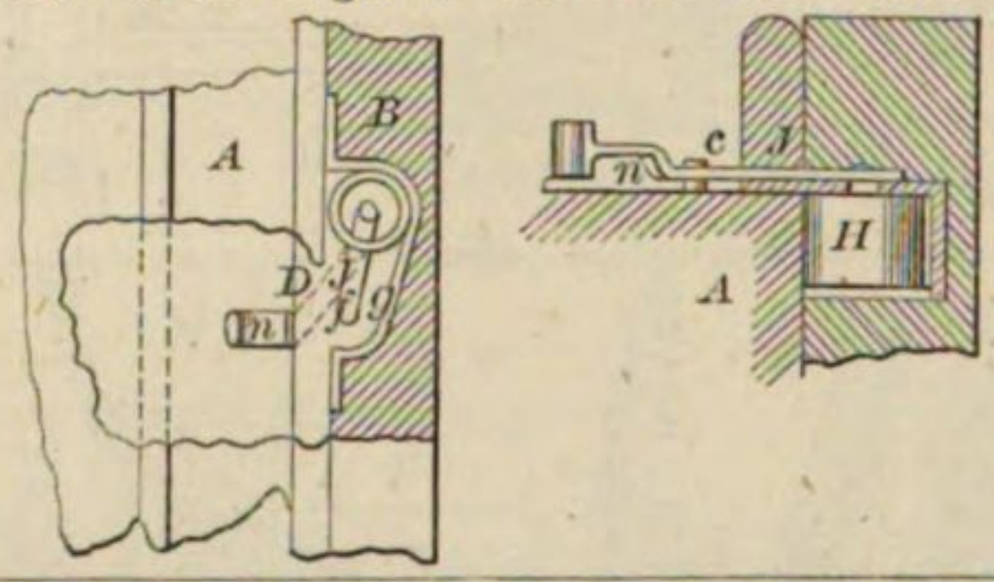
59501—S. A. Clemens—*For Straightening, Breaking and Cleaning Flax Straw.*



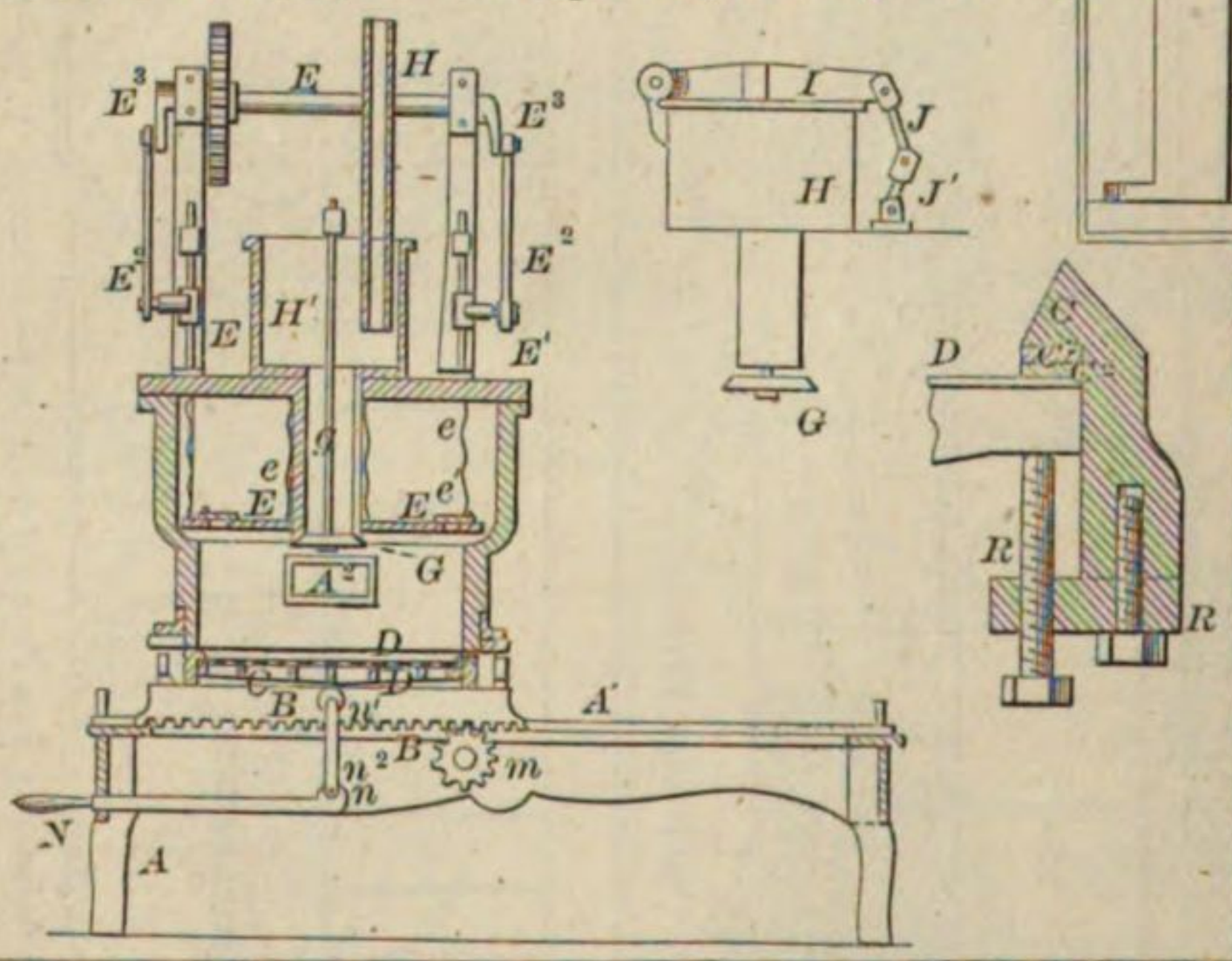
59504—W. P. Corey—*Valve Gear.*



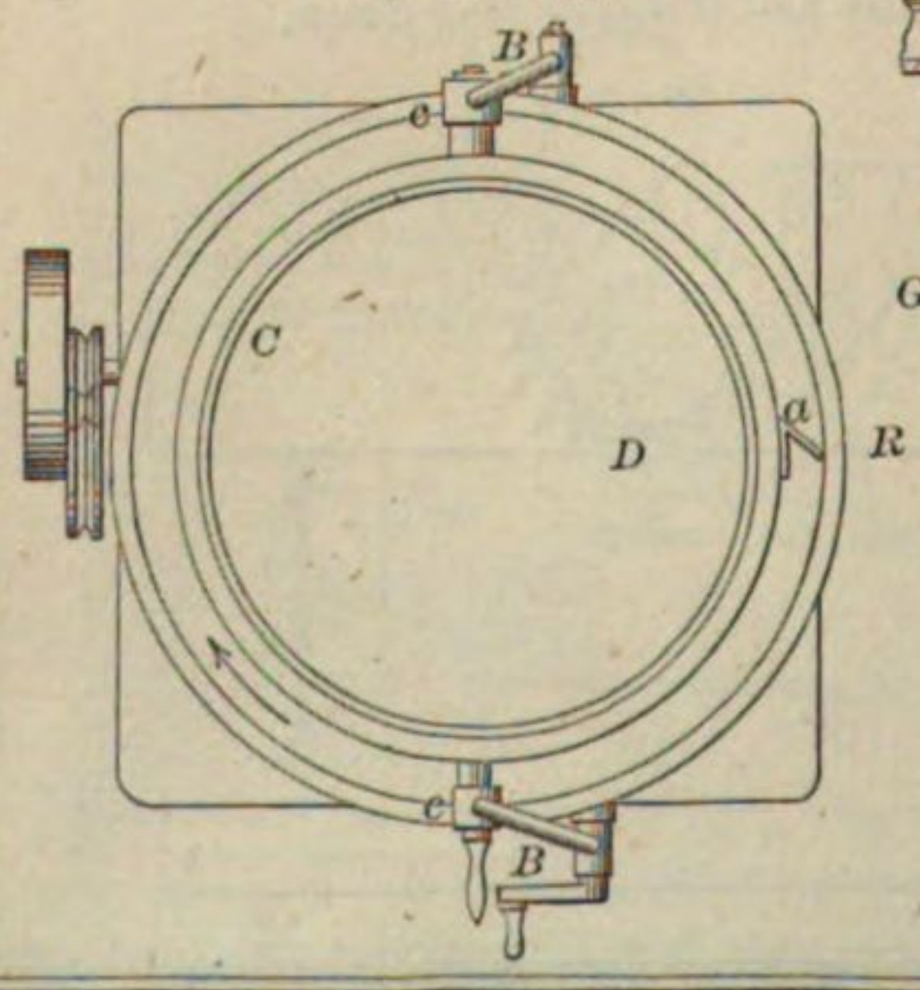
59505—E L. Ferguson—*Sash Holder or Fastening.*



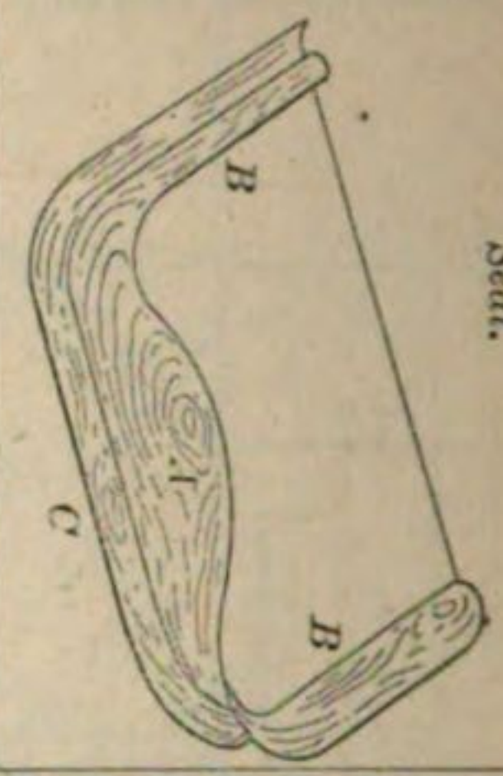
59509—S. R. Krom—*For Separating Metals from Ores.*



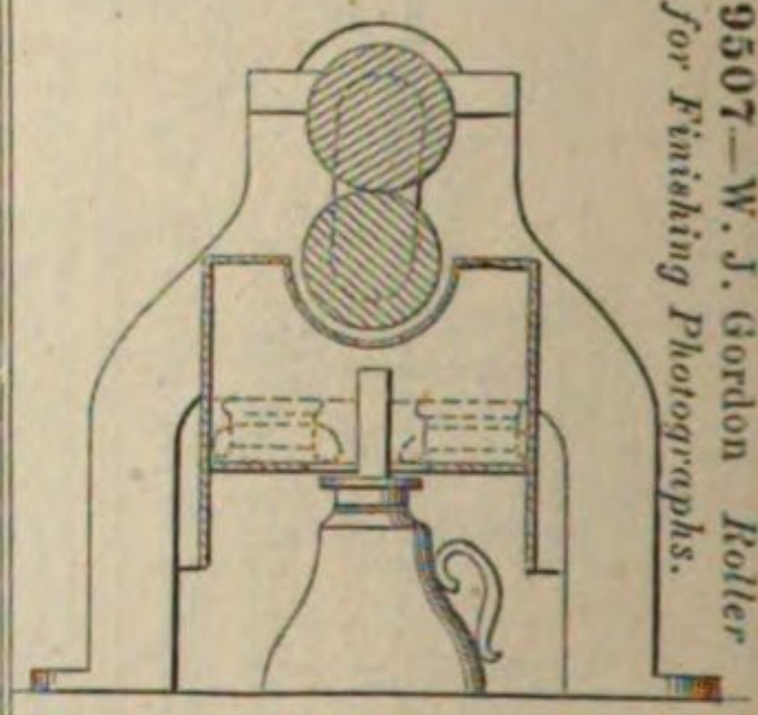
59510—S. R. Krom—*For Separating Metals from Ores.*



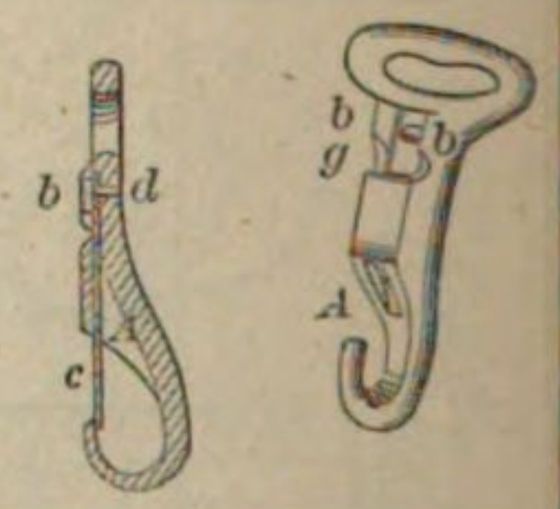
59508—B. Hurlburt—*Carriage Seat.*



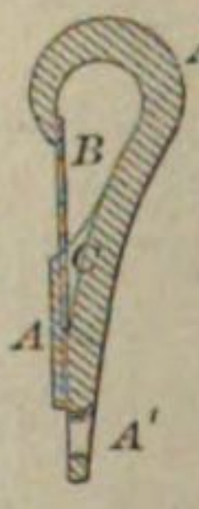
59507—W. J. Gordon *Roller for Finishing Photographs.*



59511—J. Letchworth—*Snap Hook.*

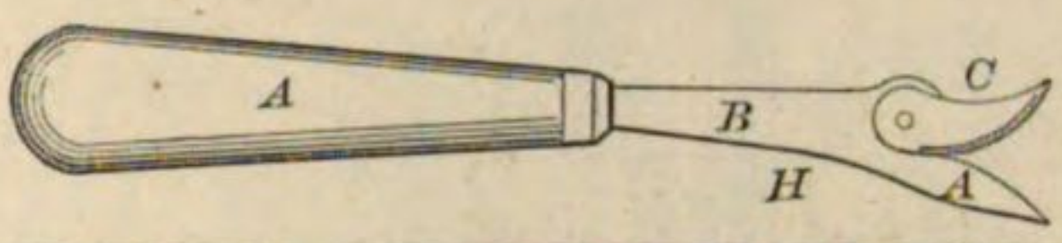


59506—Forbush & Letchworth—*Snap Hook.*

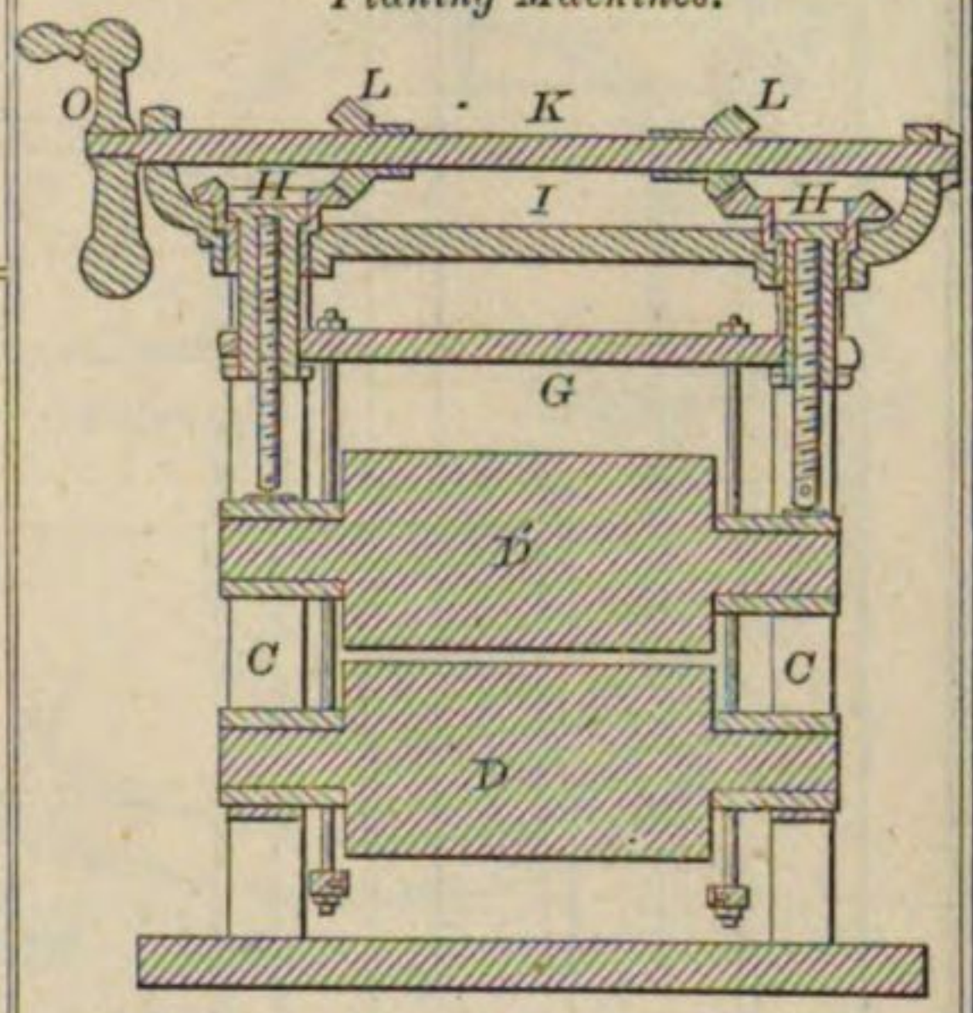


59512—J. F. Milligan—*Cotton Tie.*

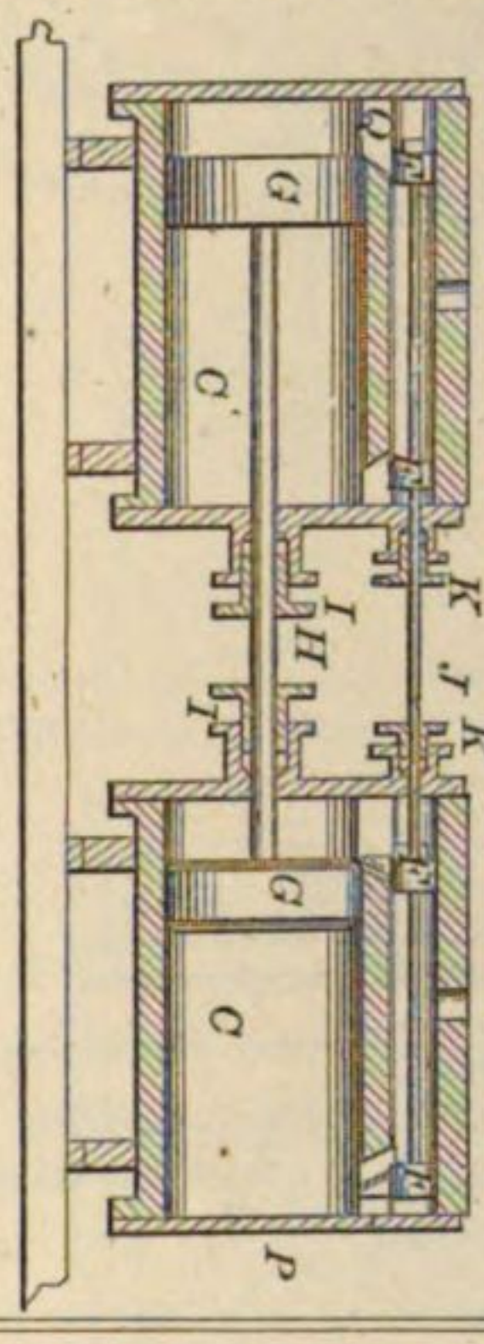
59513—E. T. Orne—*Tool for Opening Cans.*



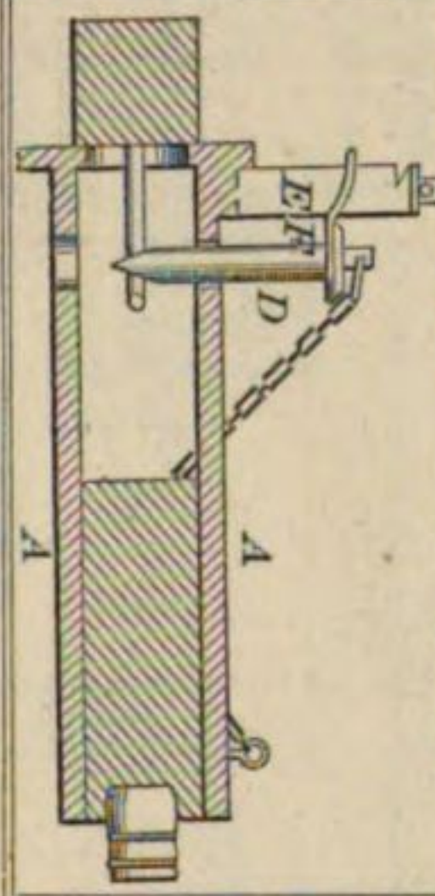
59514—F. J. Plummer—*Feed Roller for Planing Machines.*



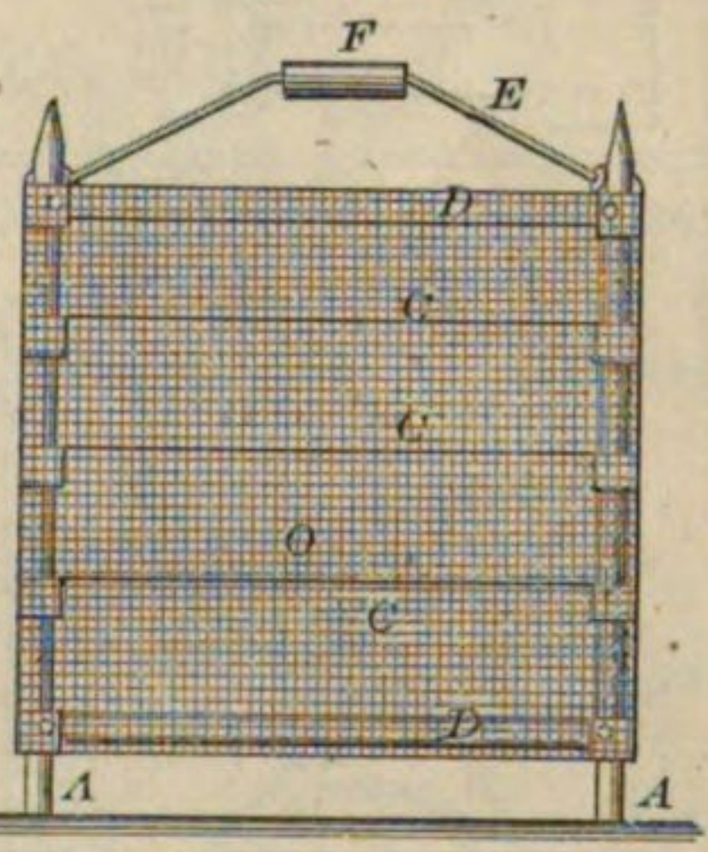
59519—L. Carricaburu—*Steam Pump.*



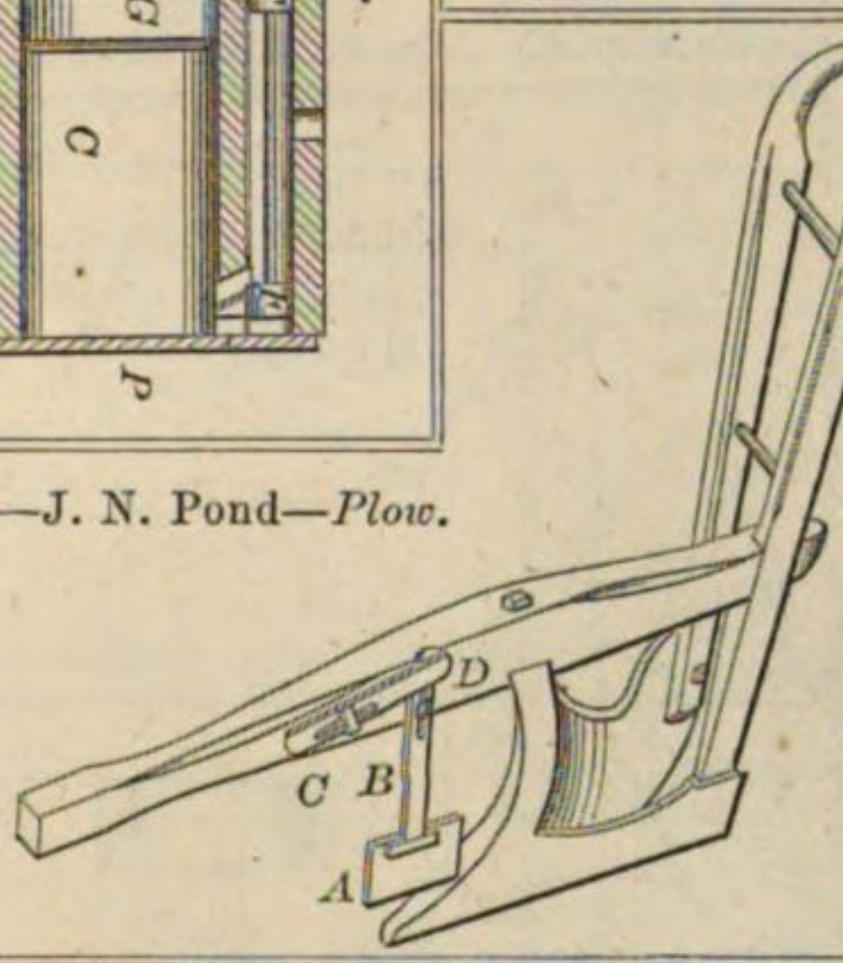
59517—C. Spear—*Car Coupling.*



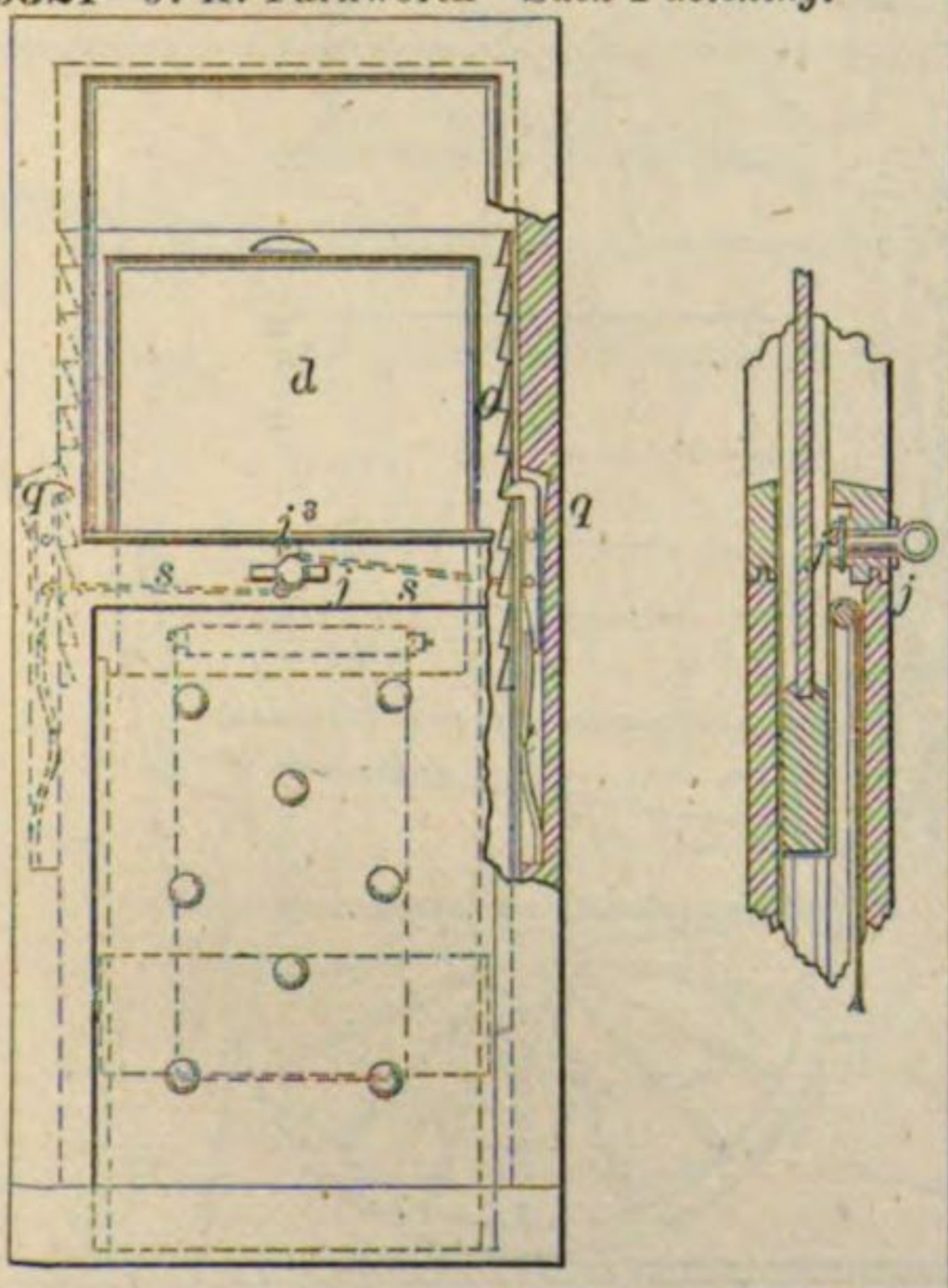
59516—J. L. Prescott—*Portable Cupboard.*



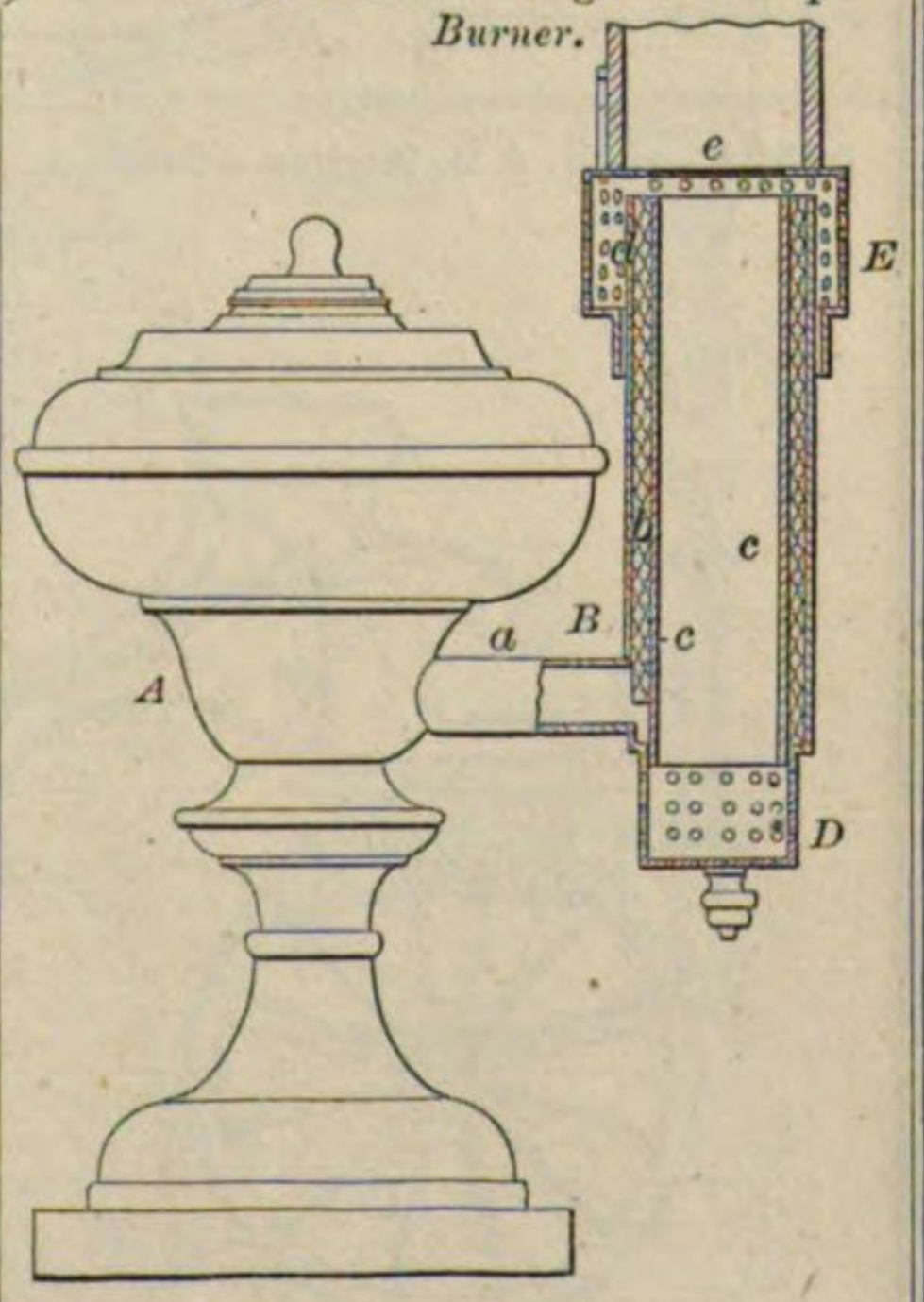
59515—J. N. Pond—*Plow.*



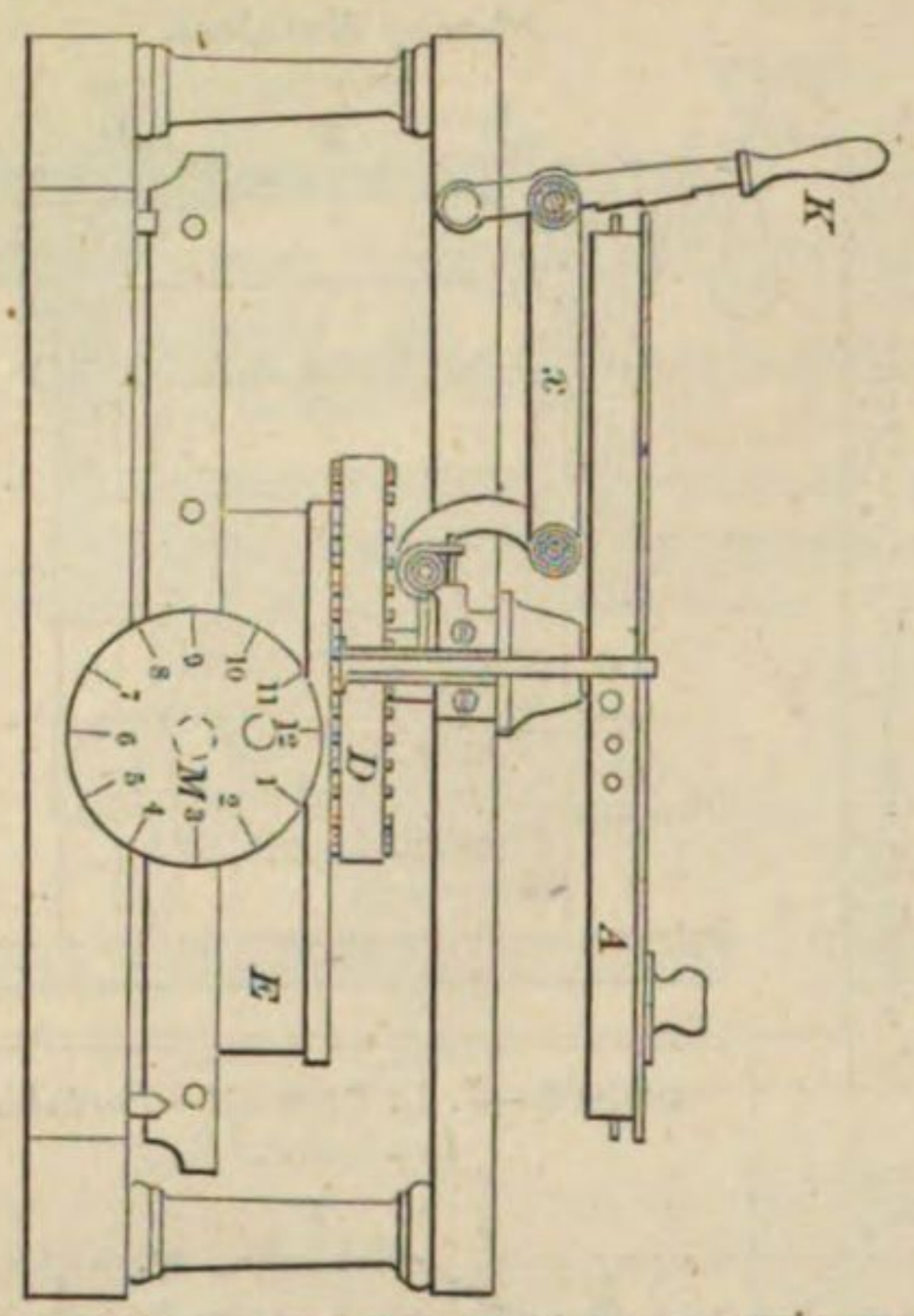
59521—J. K. Farnworth—*Sash Fastening.*



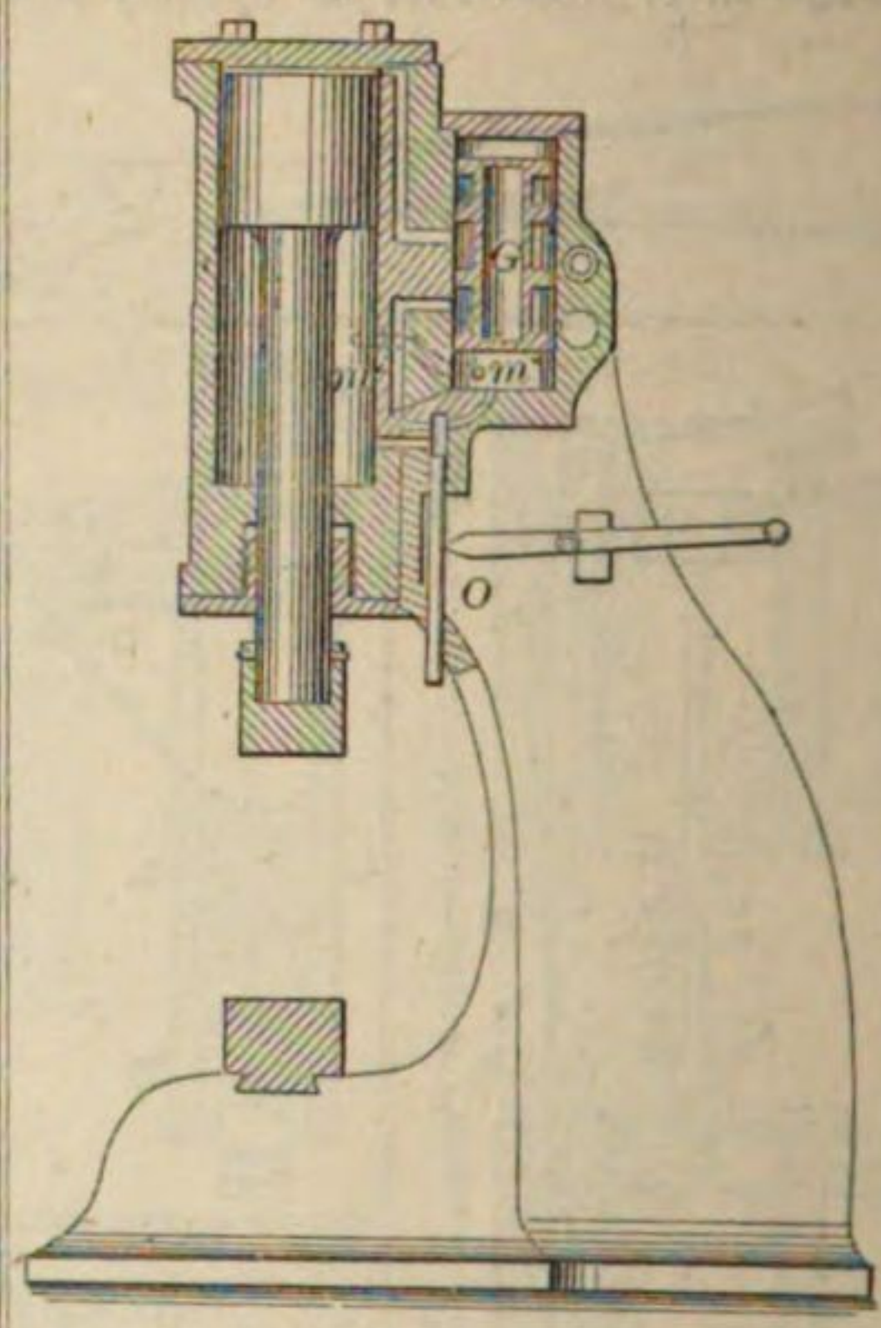
59518—A. C. Vaughan—*Lamp Burner.*



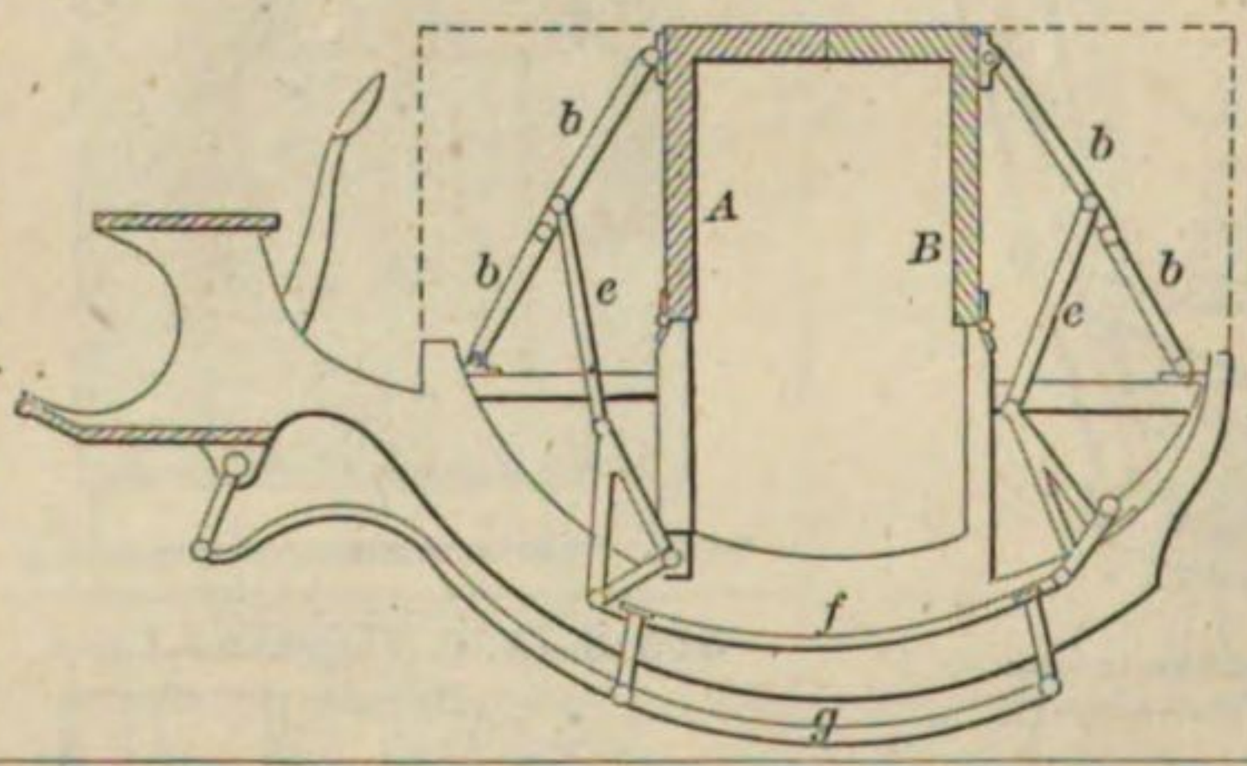
59522—P. Flamm—*Typography.*



59524—D. Joy—*Valve for Steam Hammers.*

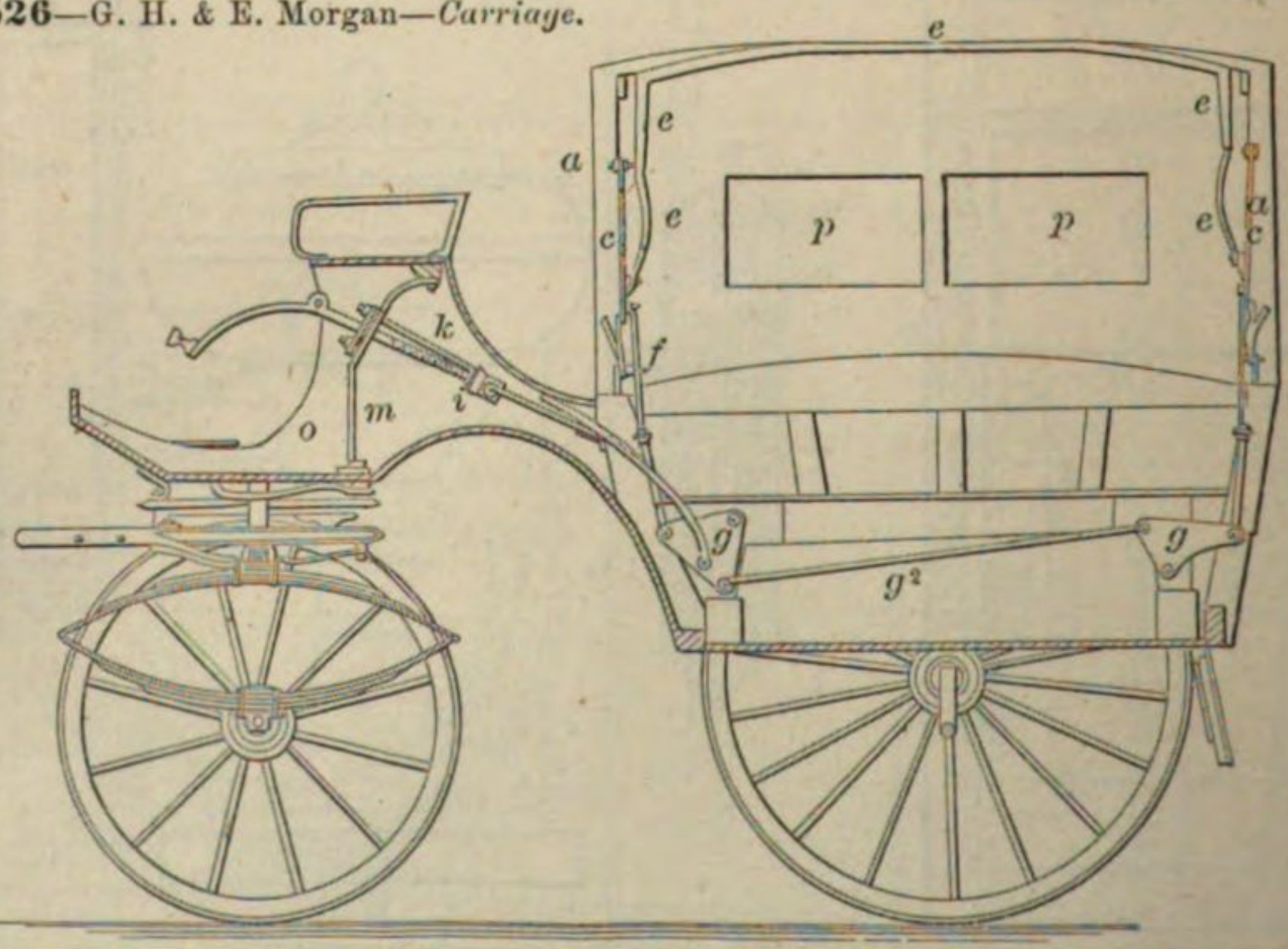


59525—G. H. & E. Morgan—*Carriage.*

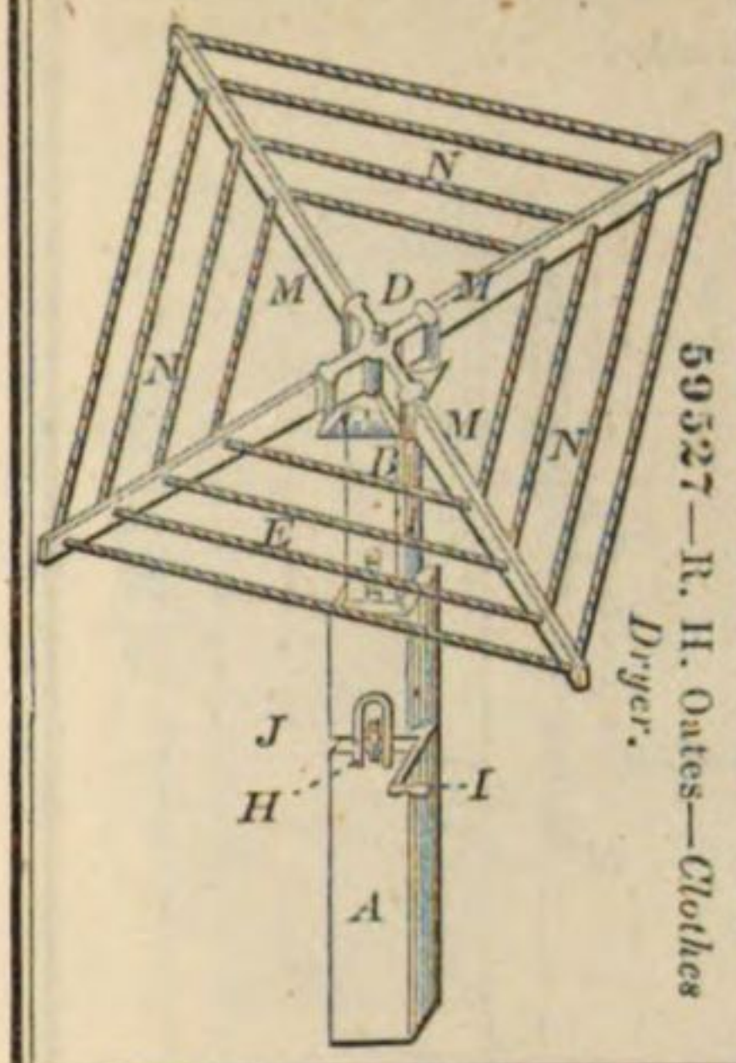


59523—J. Higgins—*Ring for Ring Traveler Spinning Machines.*

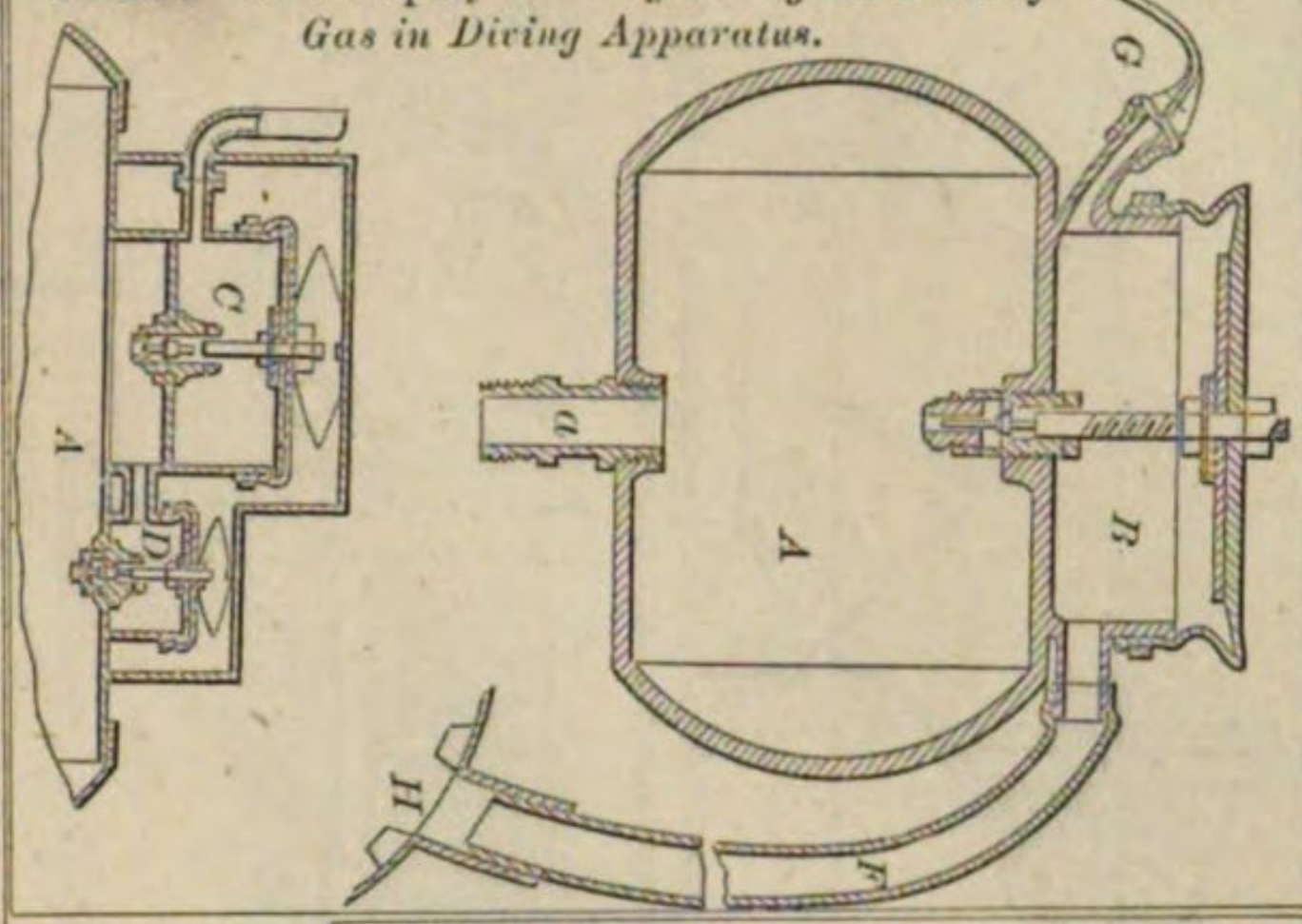
59526—G. H. & E. Morgan—*Carriage.*



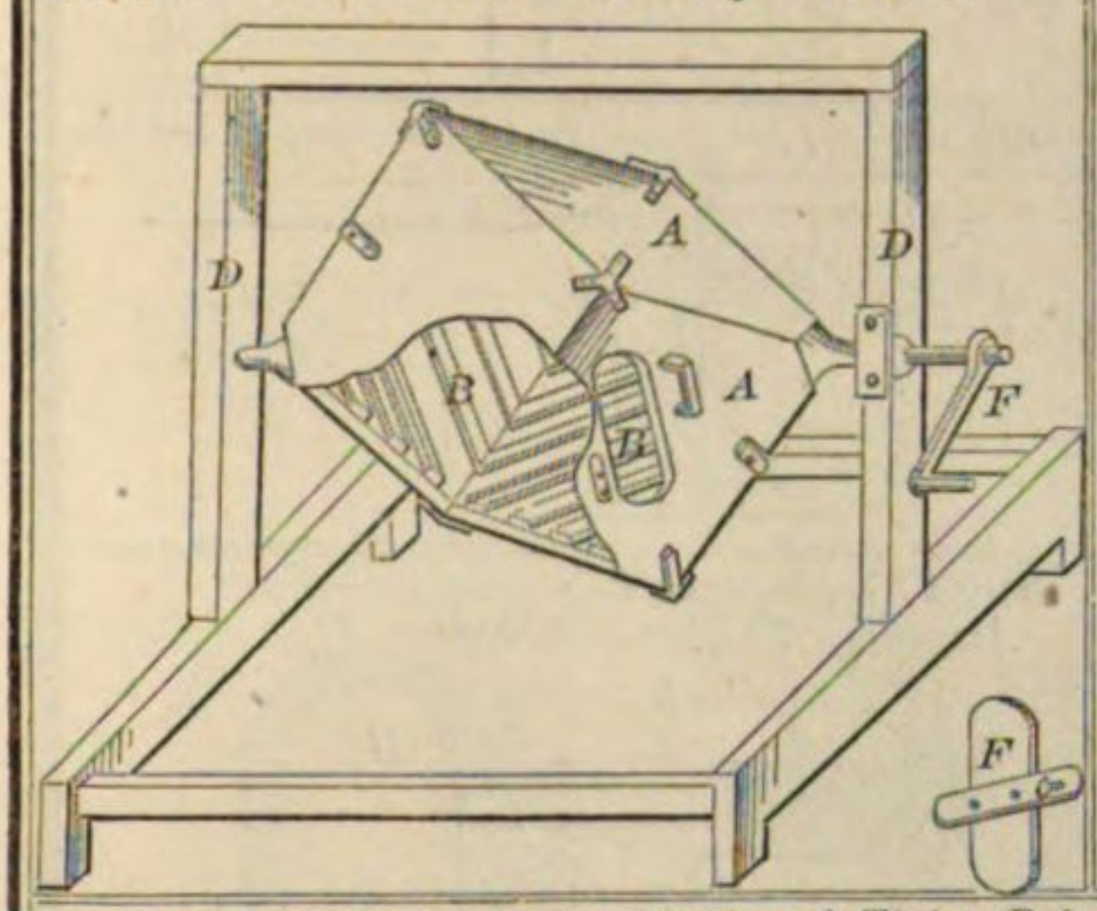
59527—R. H. Oates—*Clothes Dryer.*



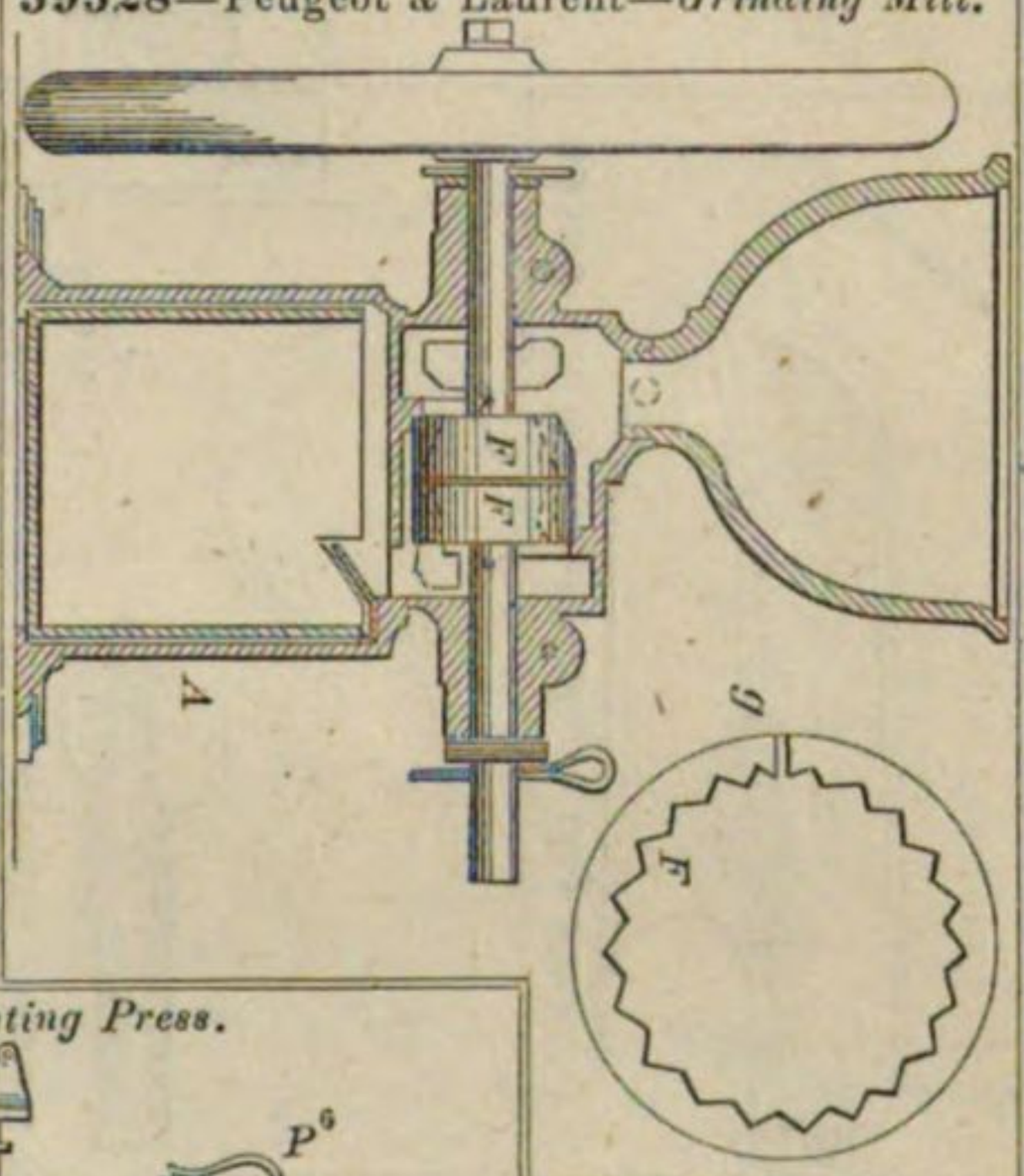
59529—B. Rouquayrol—*Regulating the Flow of Gas in Diving Apparatus.*



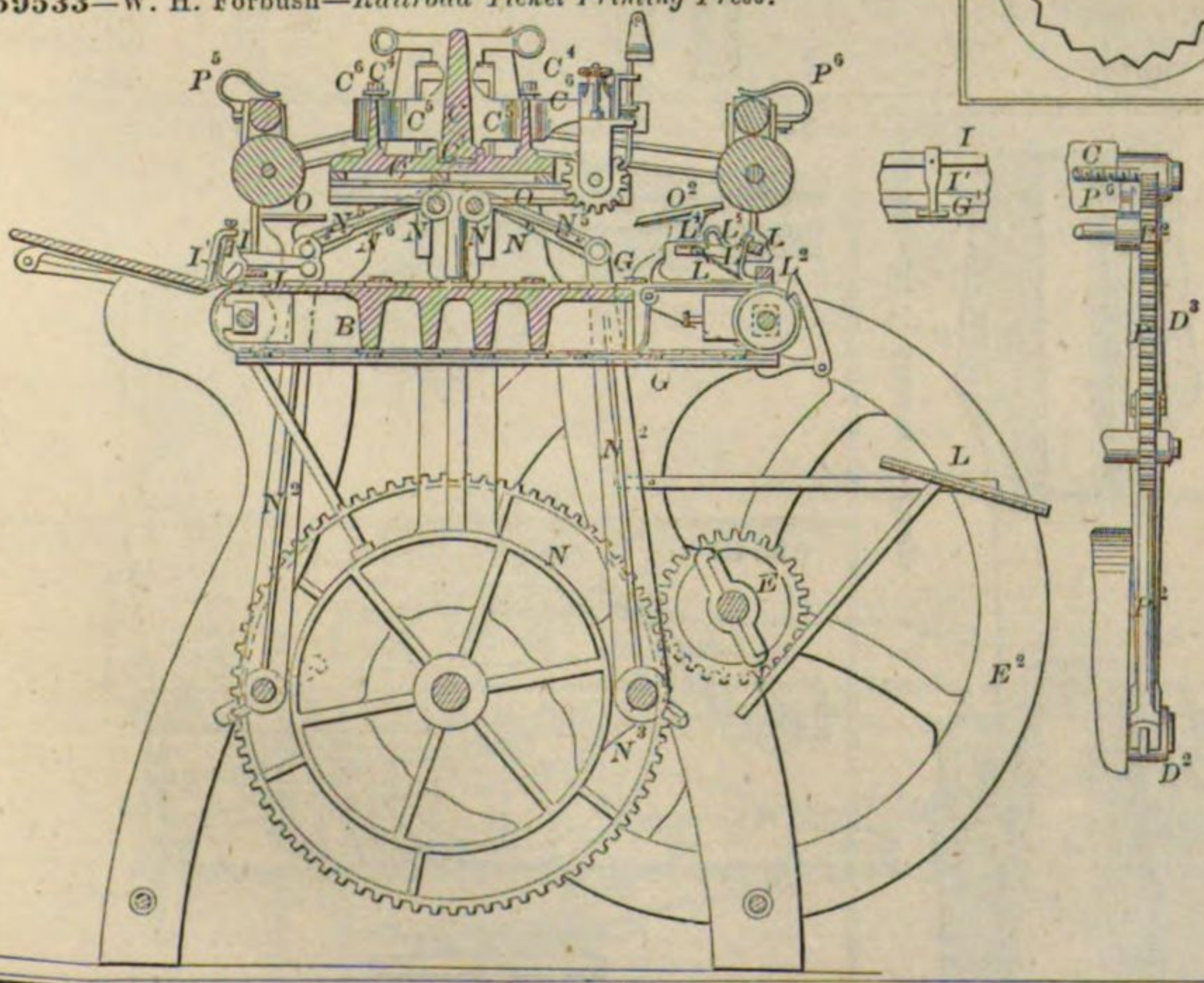
59532—G. L. Witsil—*Washing Machine.*



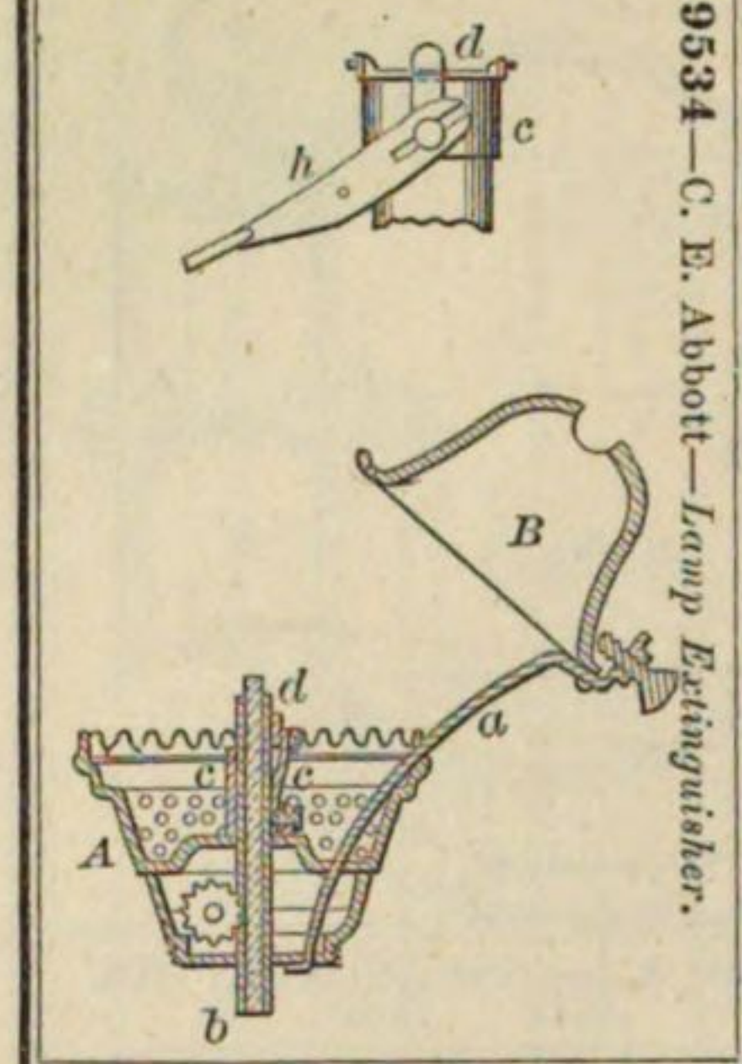
59528—Peugeot & Laurent—*Grinding Mill.*



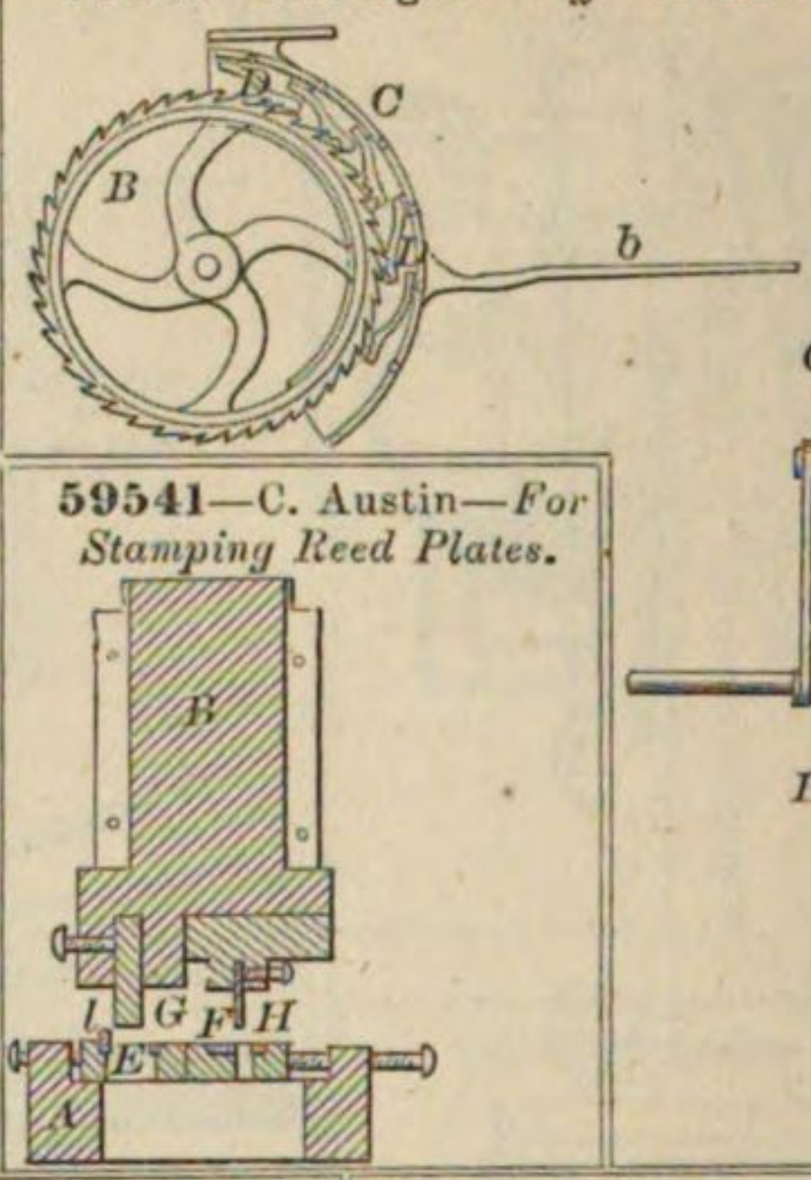
59533—W. H. Forbush—*Railroad Ticket Printing Press.*



59534—C. E. Abbott—*Lamp Extinguisher.*

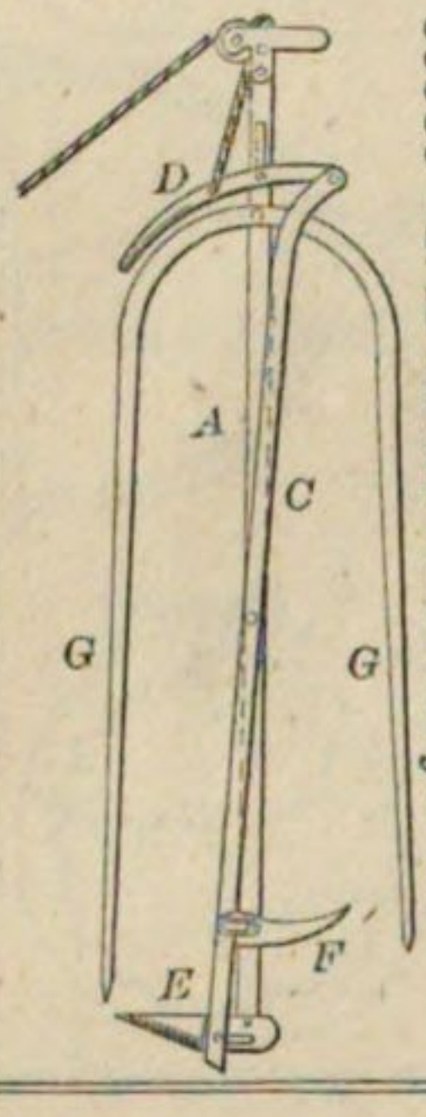


59538—A. Angell—*Coffee Huller.*

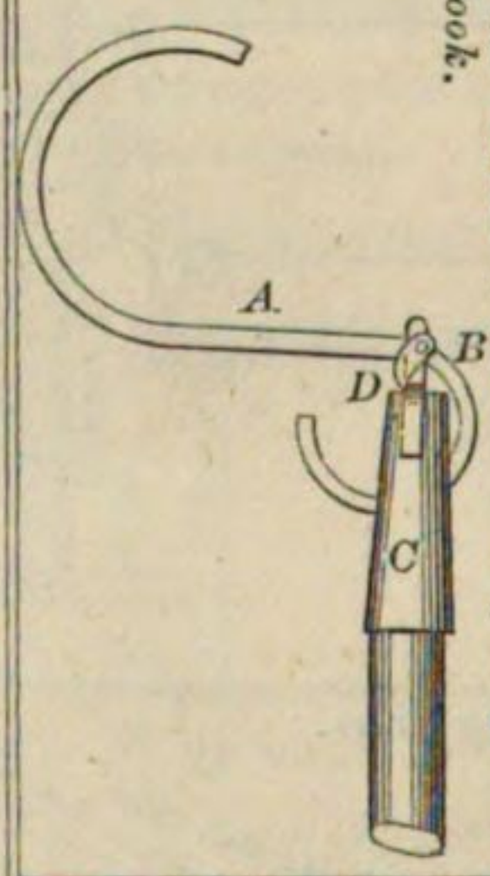


59541—C. Austin—*For Stamping Reed Plates.*

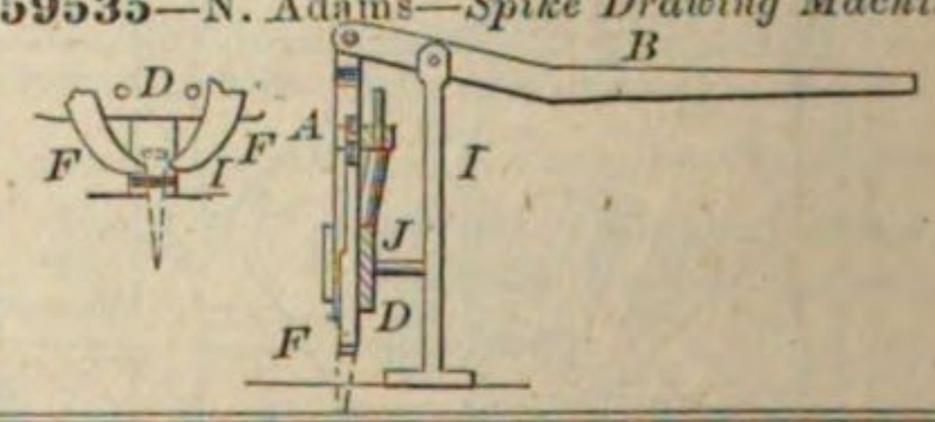
59539—T. H. Arnold—*Horse Hay Fork.*



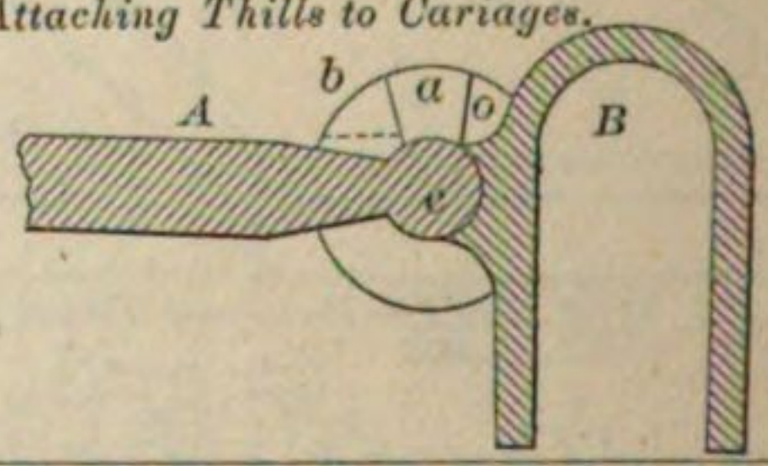
59542—Baker & Miller—*Pulley Suspension Hook.*



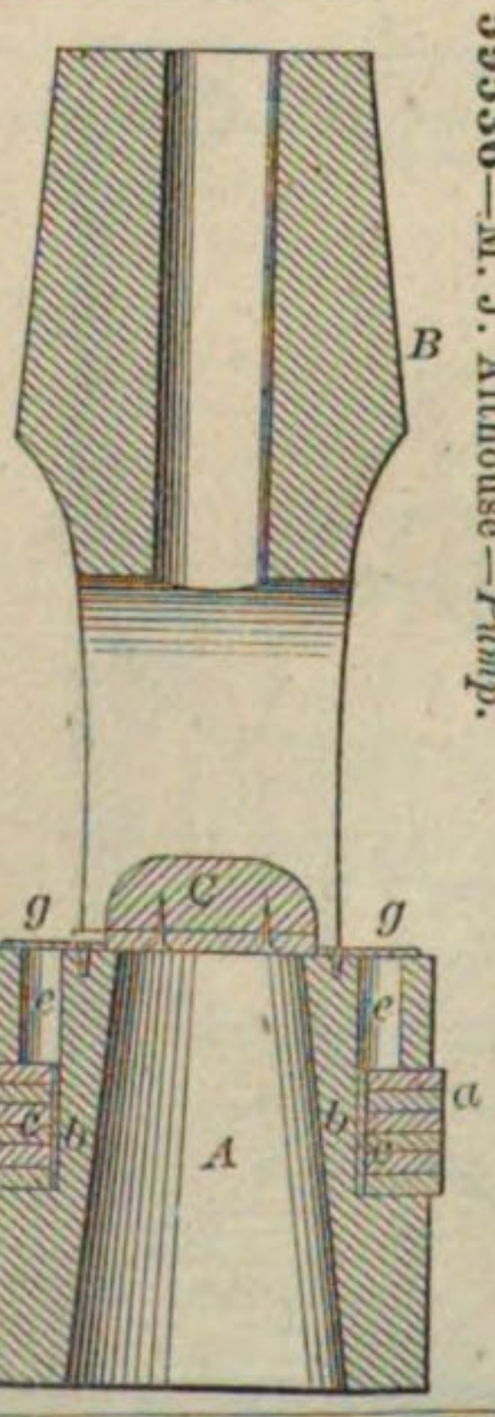
59535—N. Adams—*Spike Drawing Machine.*



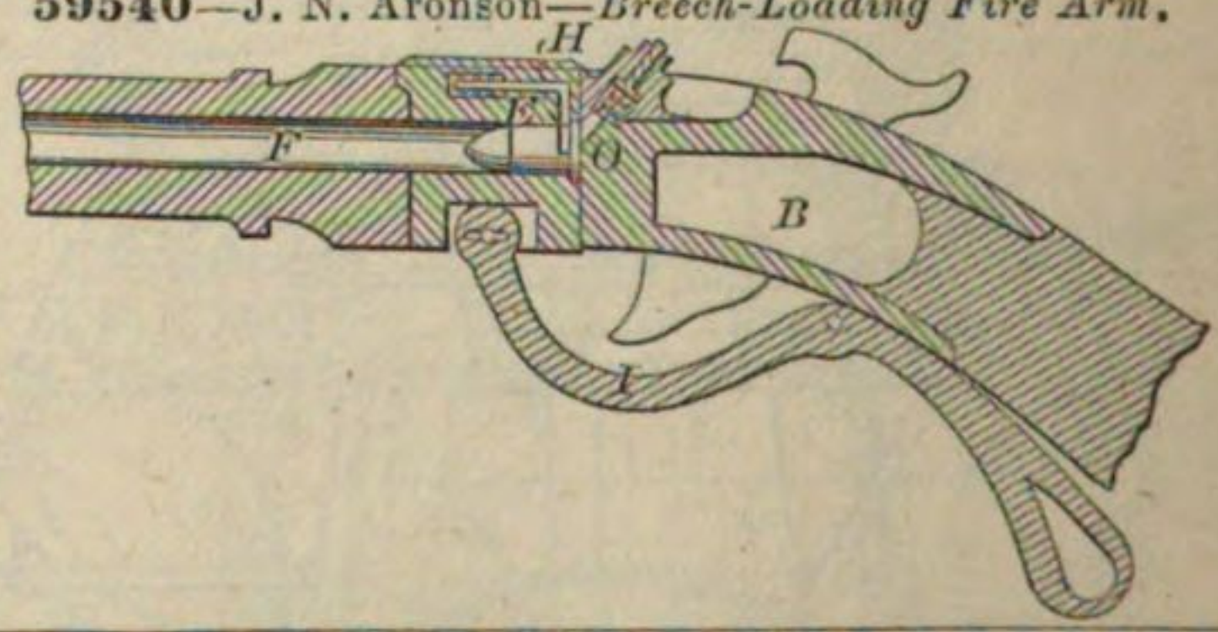
59537—Althouse & Reifsnider—*For Attaching Thills to Cariages.*



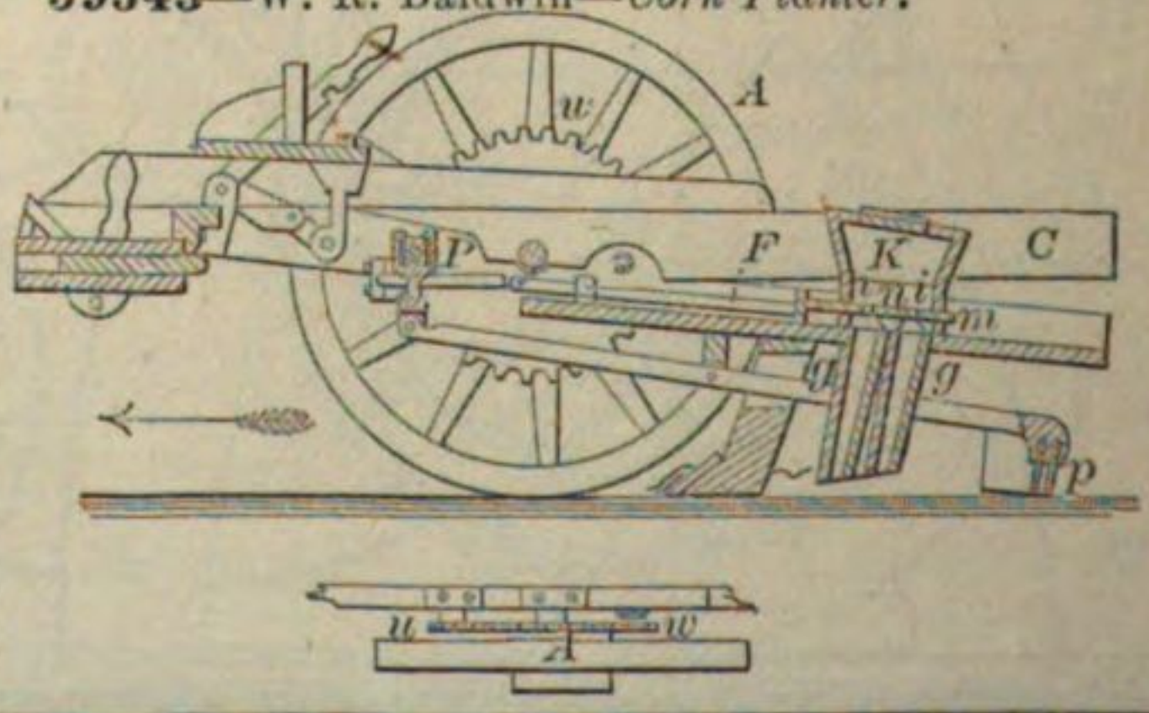
59536—M. J. Althouse—*Pump.*



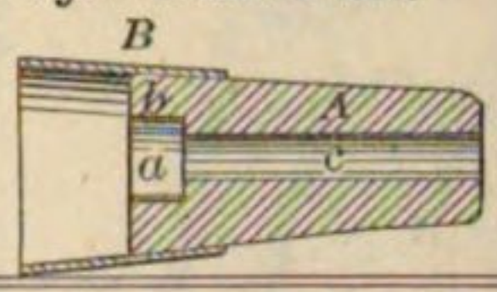
59540—J. N. Aronson—*Breech-Loading Fire Arm.*



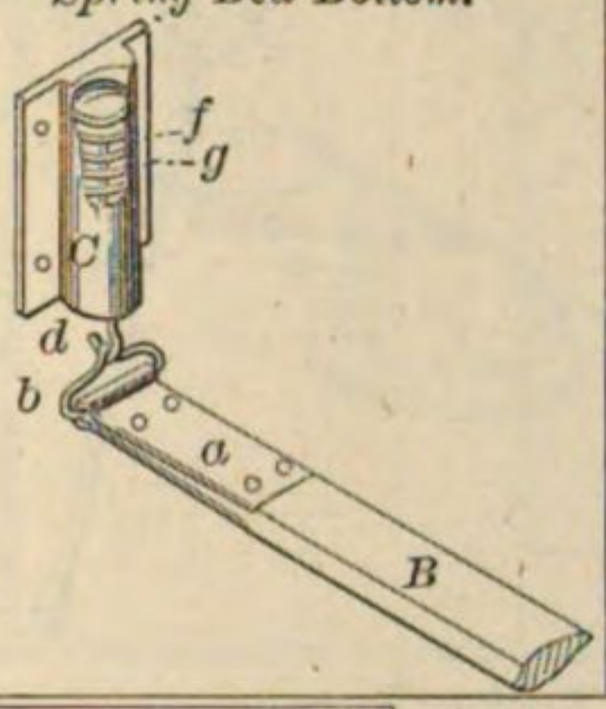
59543—W. R. Baldwin—*Corn Planter.*



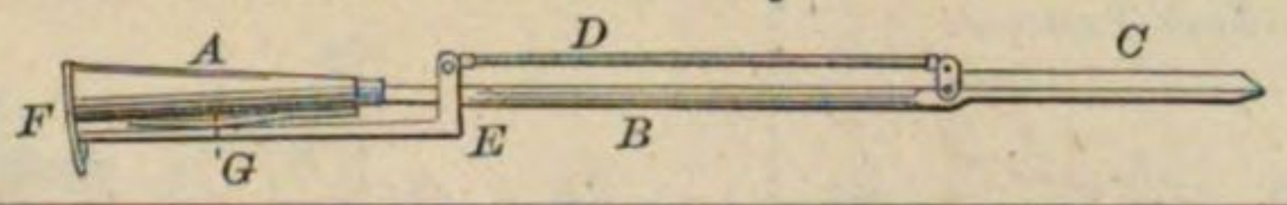
59544—I. S. Barber—*Cigar Mouth Piece.*



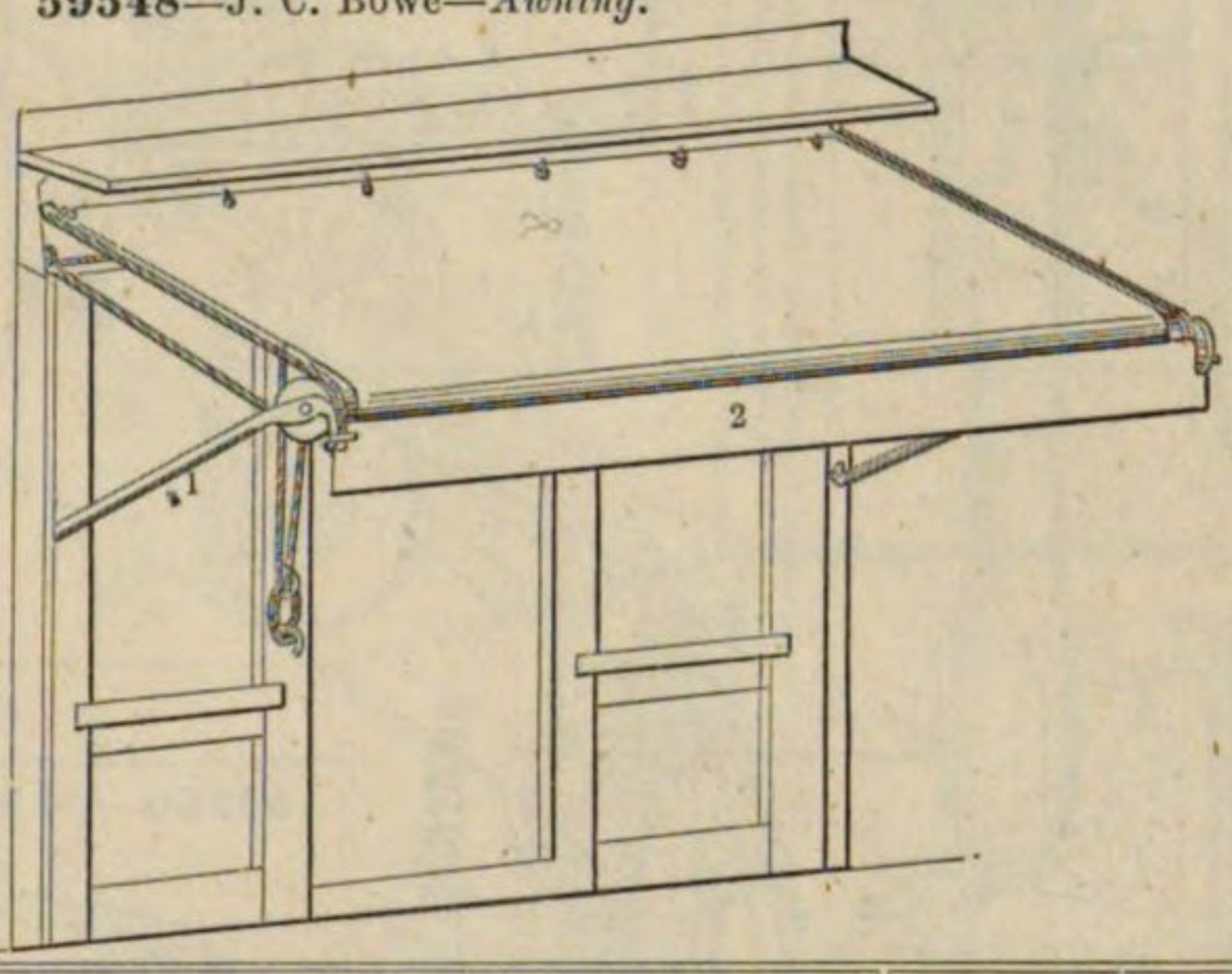
59546—B F. Bennett—*Spring Bed Bottom.*



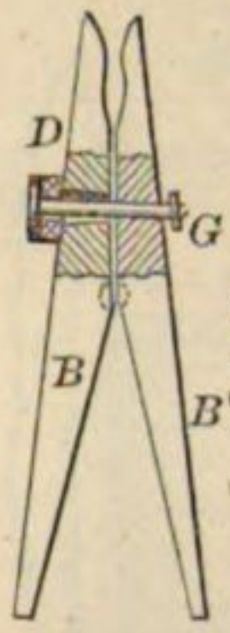
59547—J. Blair—*Poker and Tongs.*



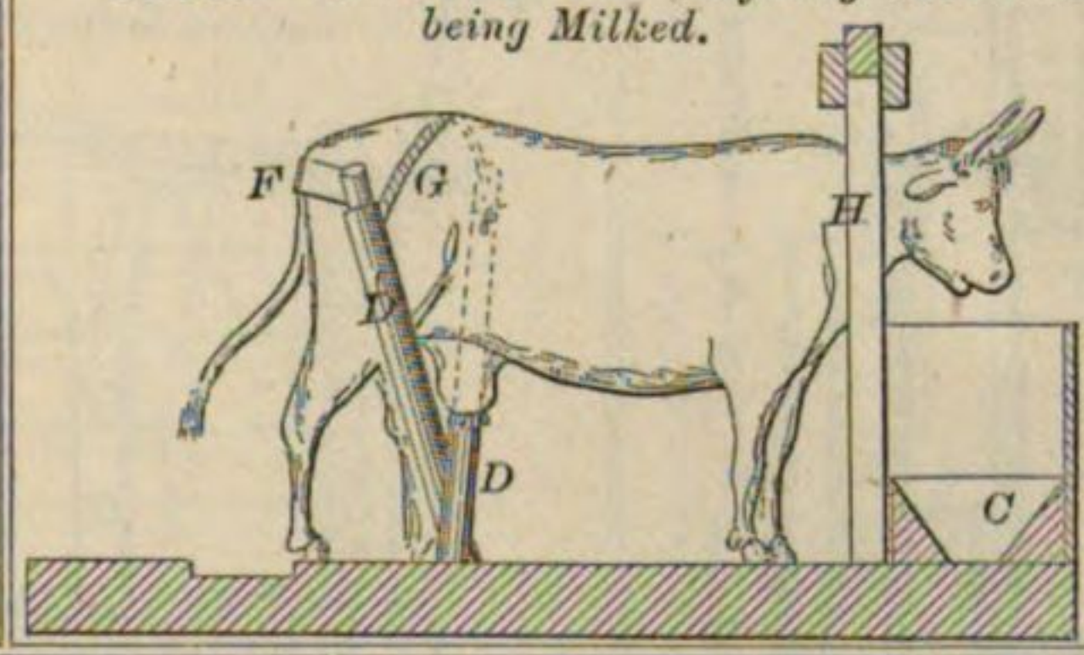
59548—J. C. Bowe—*Awning.*



59545—G. F. Bardenwerper—*Clothes Pin or Clamp.*

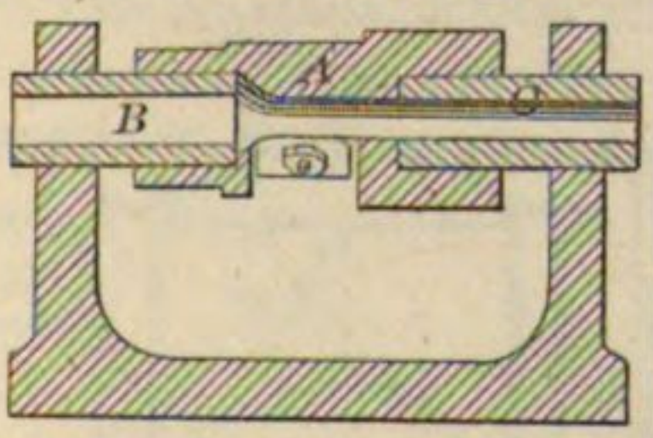


59550—L. Brown—*For Confining Cows while being Milked.*

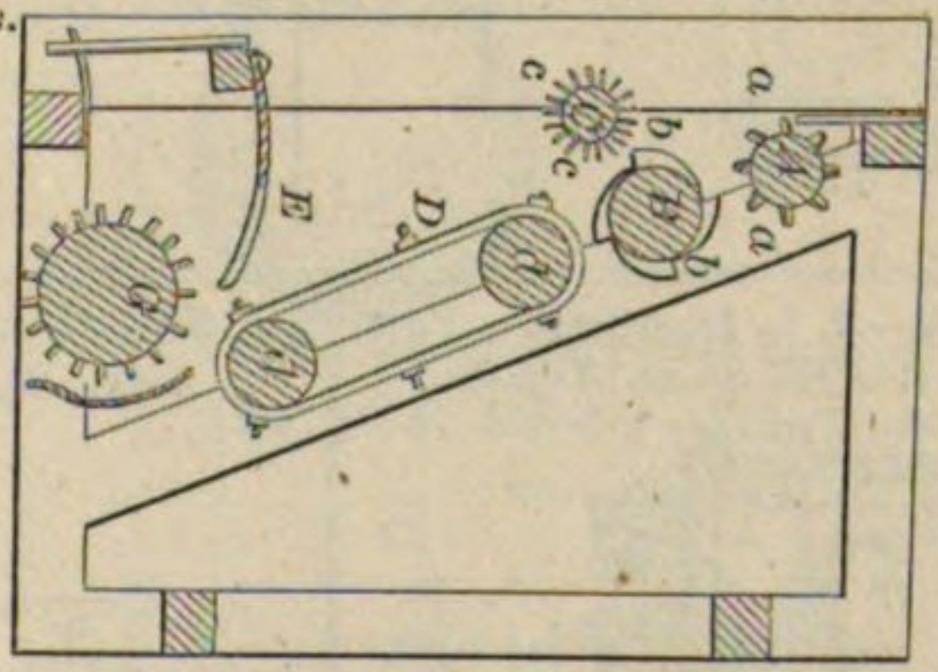


59553—S. G. Cabell—*Door and Shutter.*

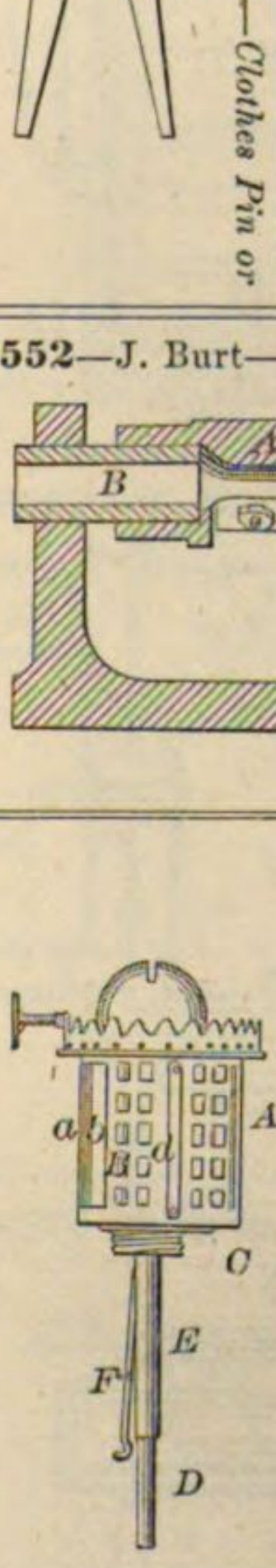
59552—J. Burt—*Turning Lathe.*



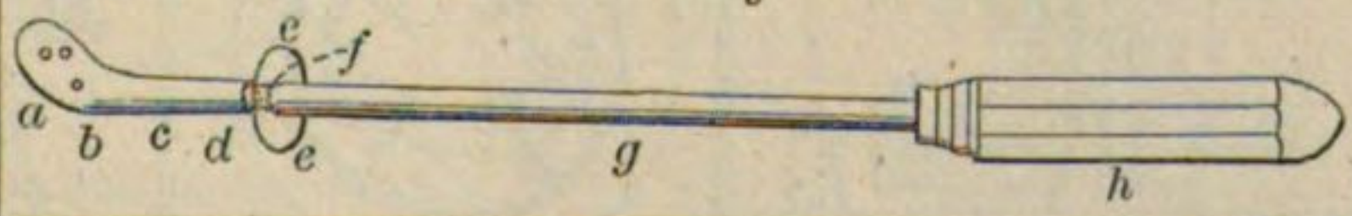
59555—G. W. Carpenter—*Feed Apparatus for Threshing Machines.*



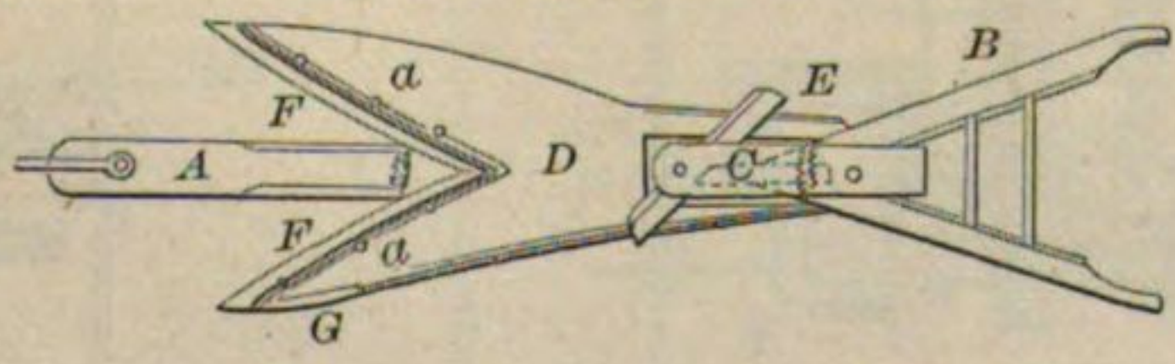
59554—G. J. Capewell—*Lamp Burner.*



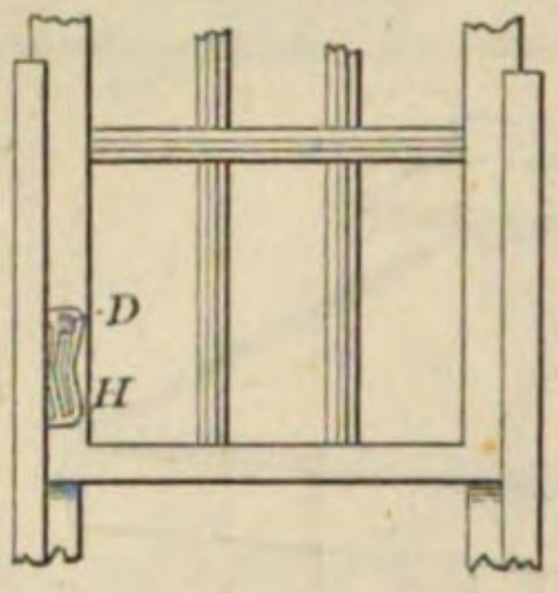
59556—H. H. Christie—*Pessary.*



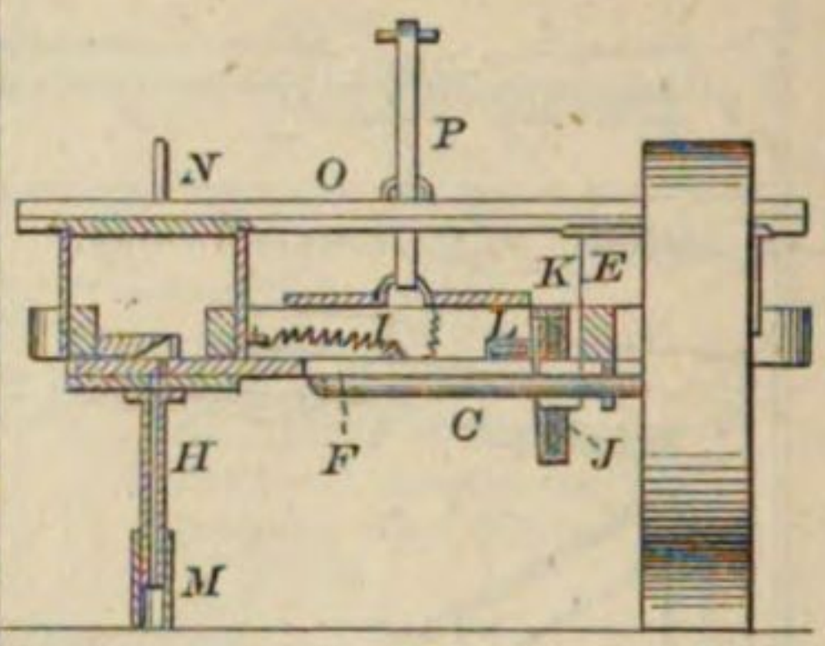
59557—J. Coffey—*Bog Cutting Plow.*



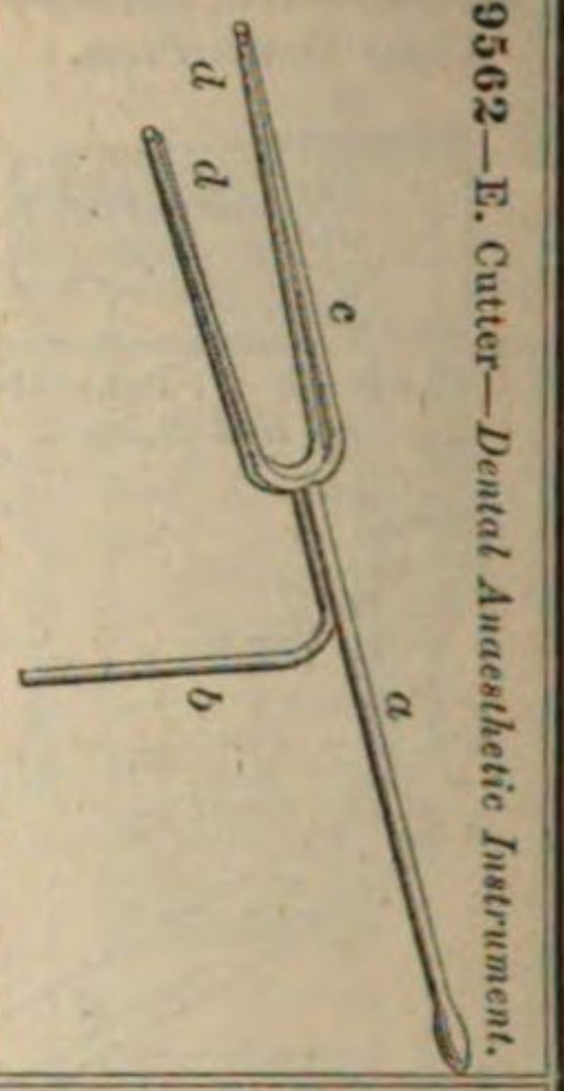
59558—De L. Cole—*Sash Fastener.*



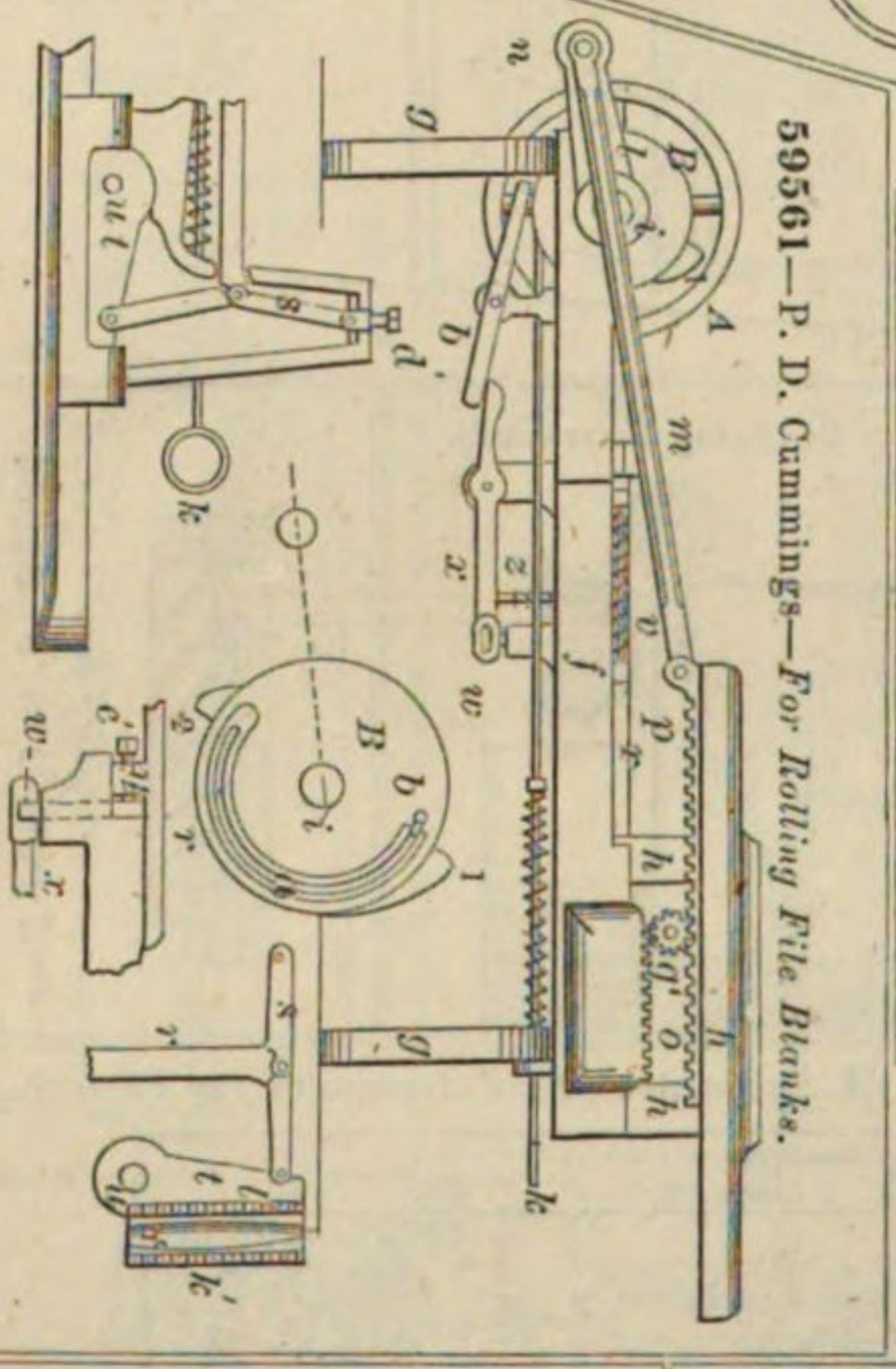
59559—J. Conrad—*Corn Planter.*



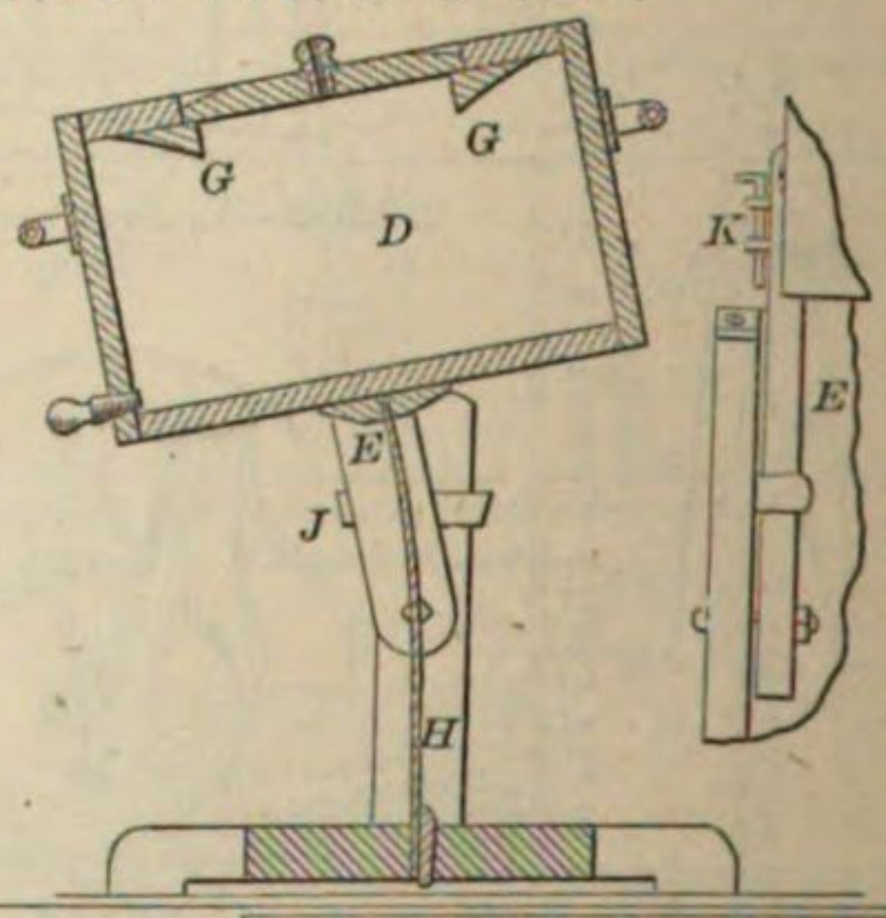
59562—E. Cutter—*Dental Anaesthetic Instrument.*



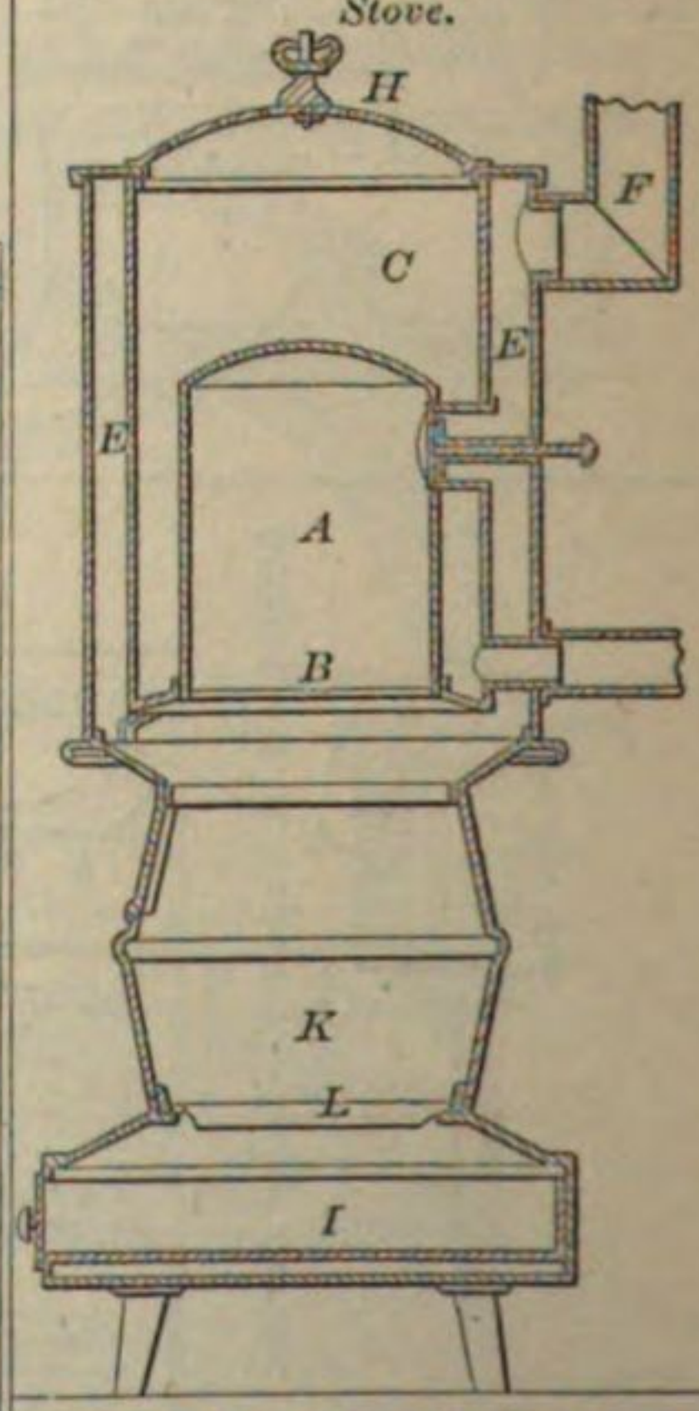
59561—P. D. Cummings—*For Rolling File Blanks.*



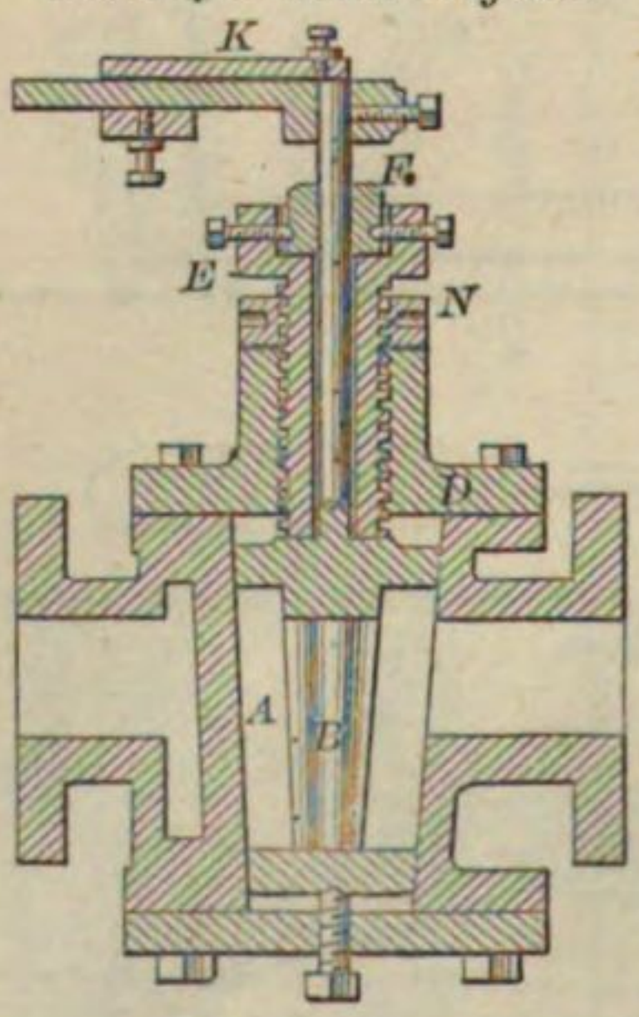
59560—W. M. Cook—*Churn.*



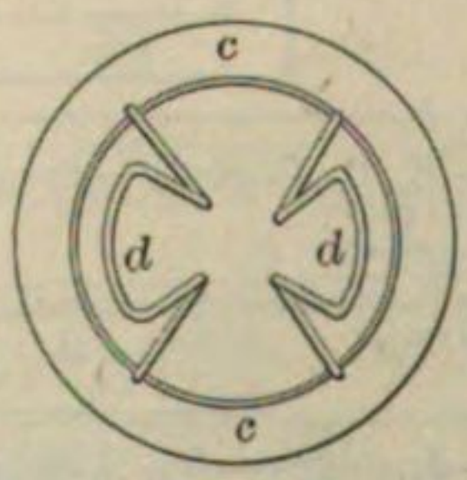
59563—H. G. Dayton—*Coal Stove.*



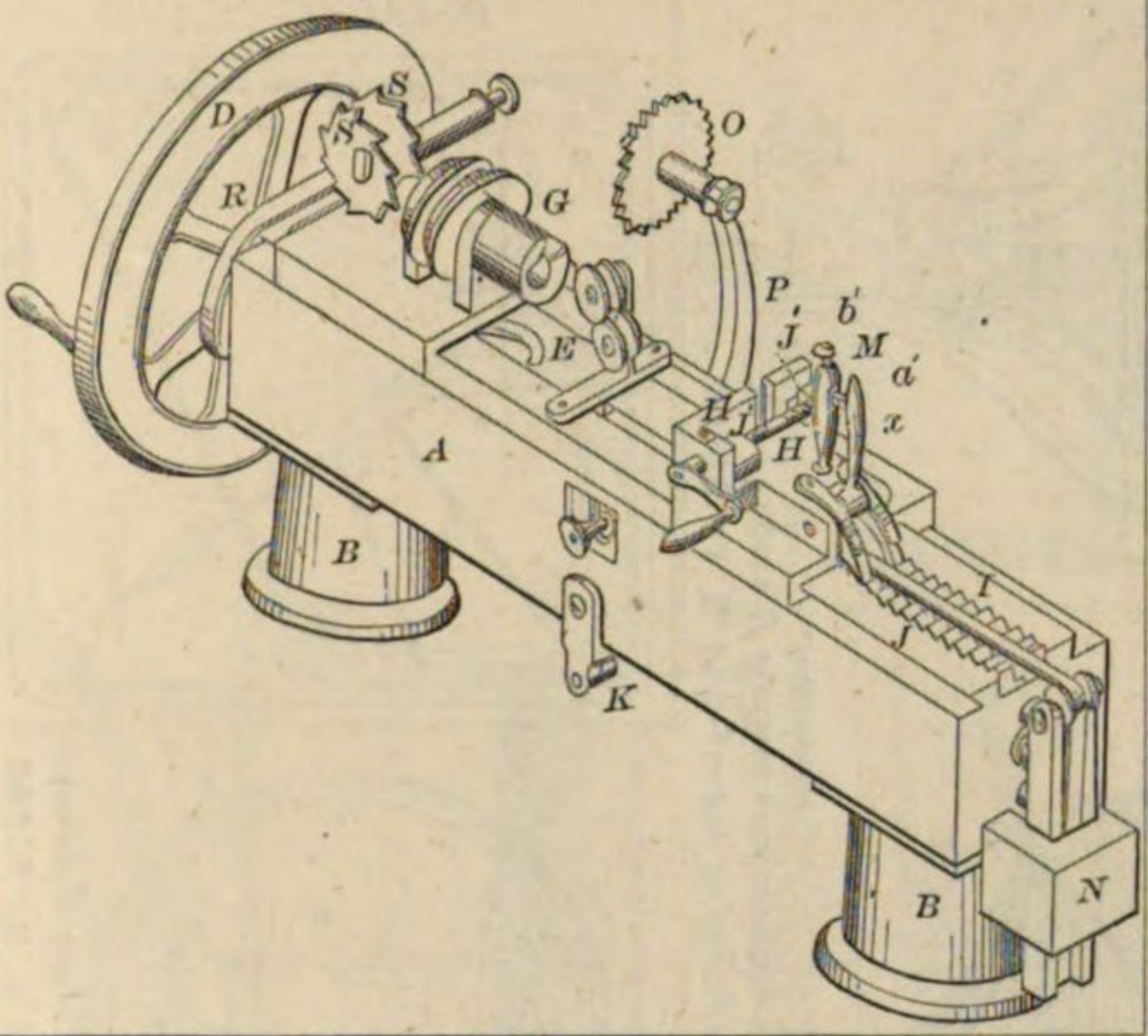
59565—J. L. Dickinson—*Valve Device for Steam Engines.*



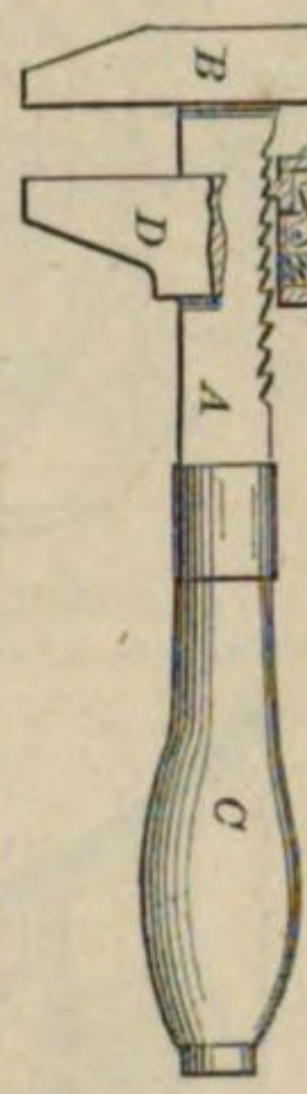
59566—J. V. Dunlap—*Lamp Shade.*



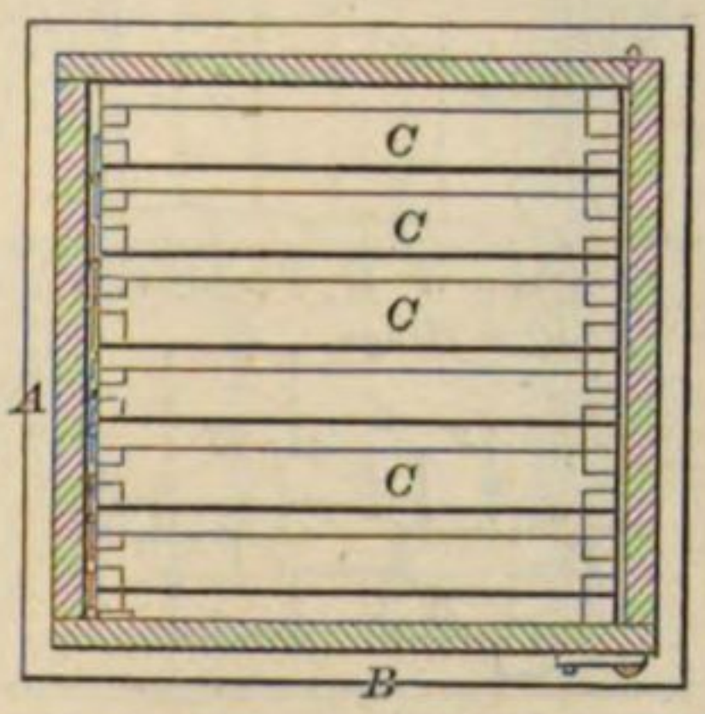
59567—L. H. Dwelley—*Machine for Making Barrel Plugs.*



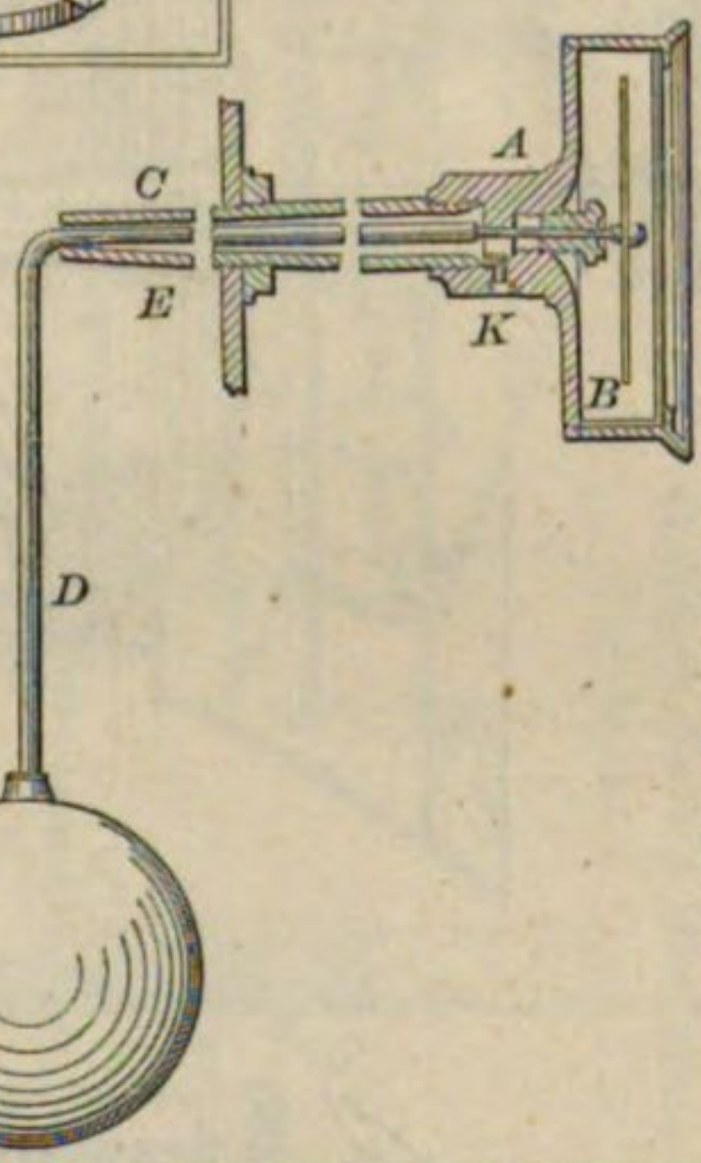
59571—W. Evans—*Wrench.*



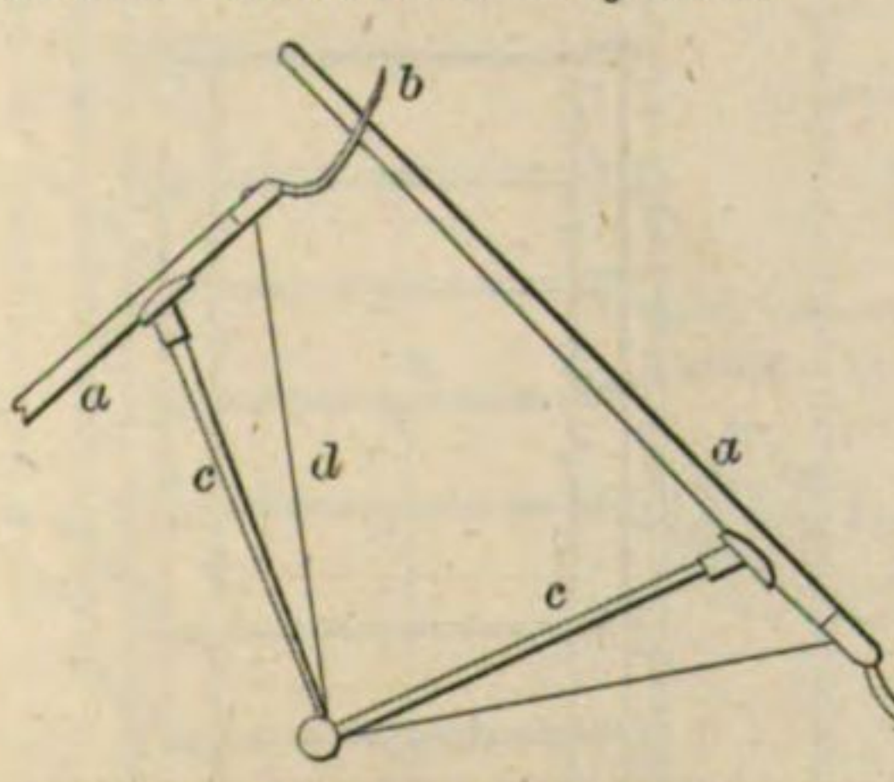
59569—W. T. Eisenhart—*Beehive.*



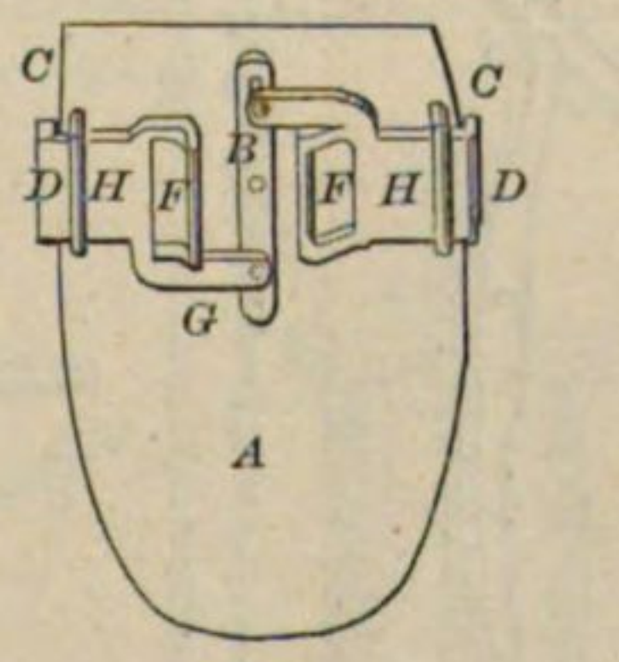
59574—T. Frith—*Low Water Detector.*



59570—W. H. Elliot—*Hay Fork.*

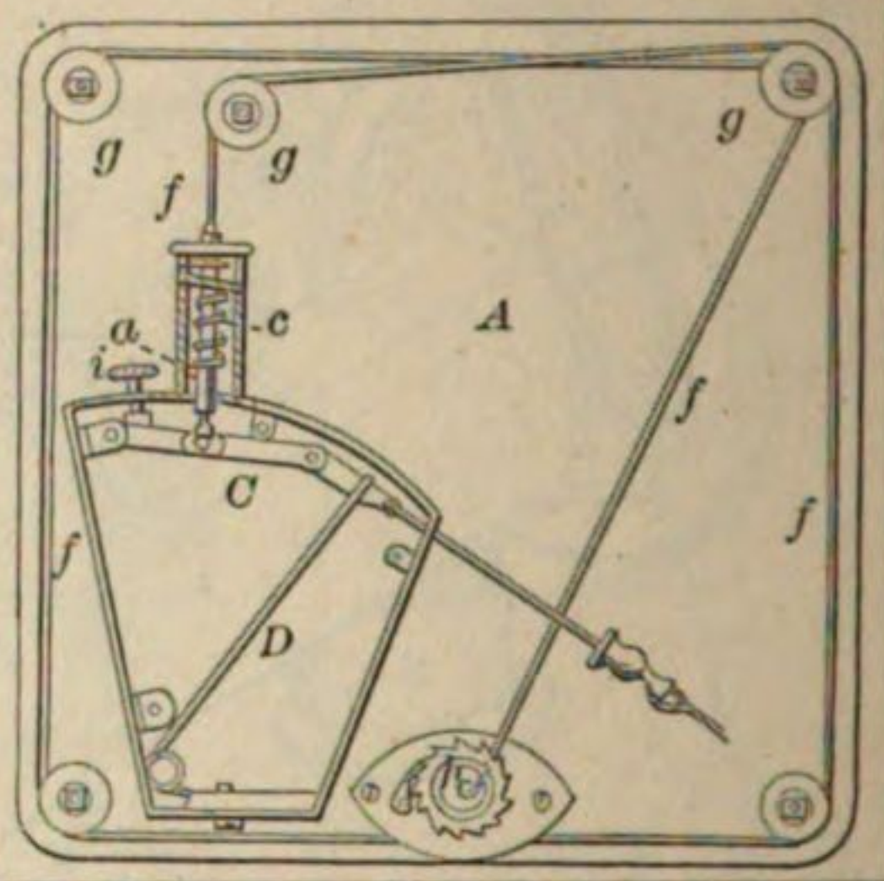


59575—M. Fleisher—*Skate Fastening.*

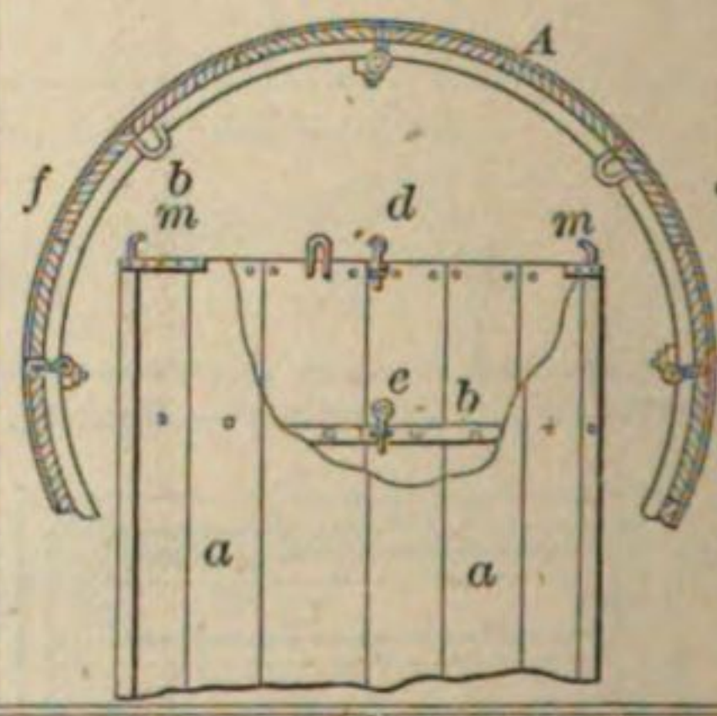


59572—J. Ewing—*Wash Basin Clamp.*

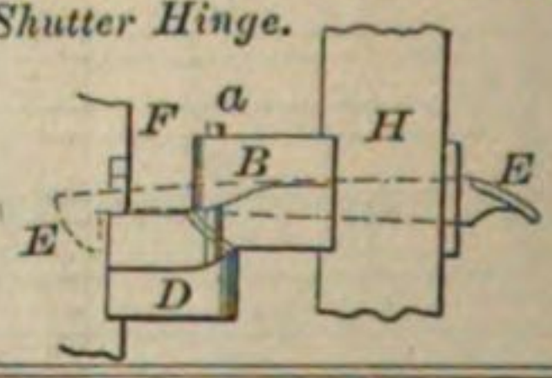
59579—Fontaine & Simons—
Fire Alarm.



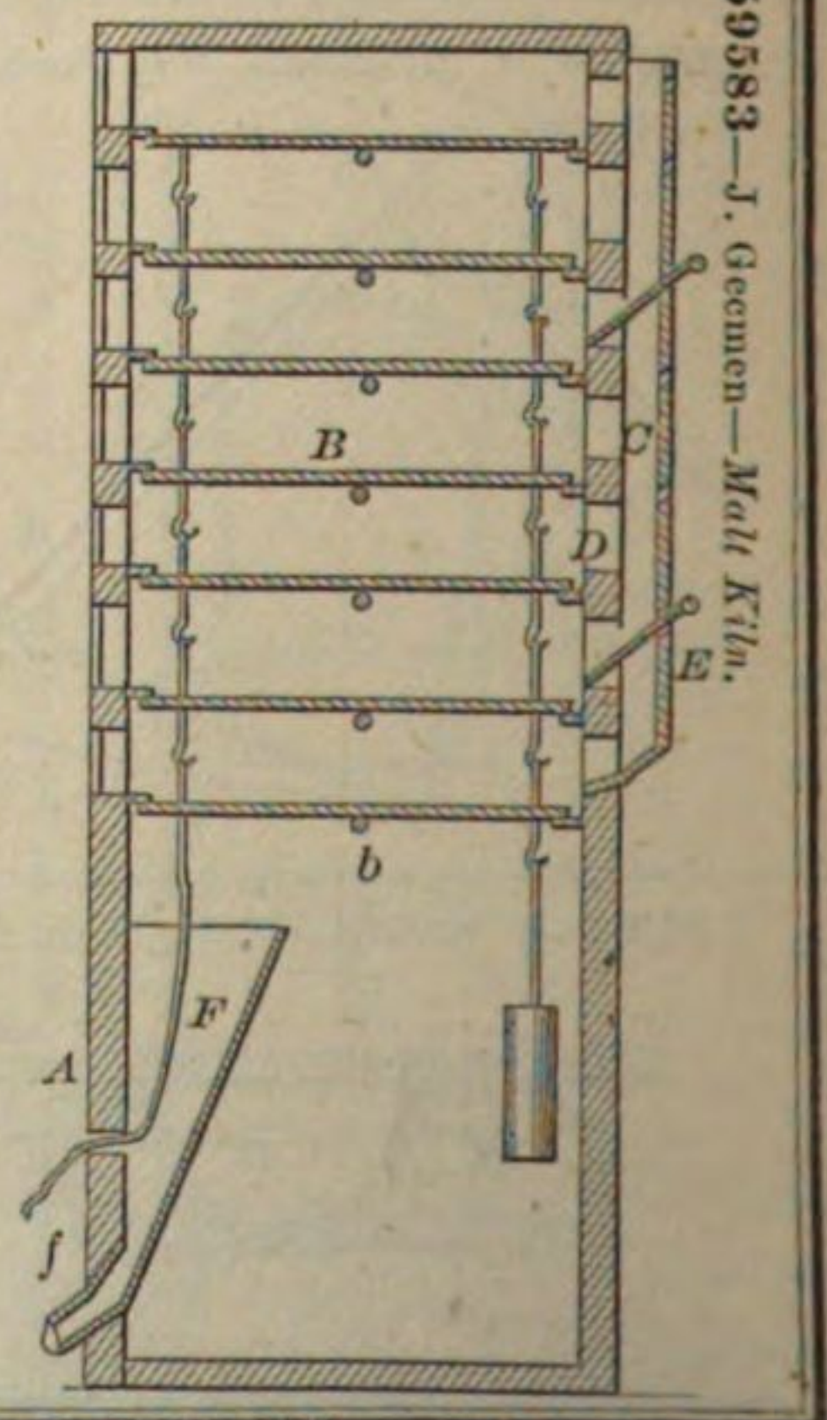
59578—W. S. Follensbee—
Grouting Form for Wells.



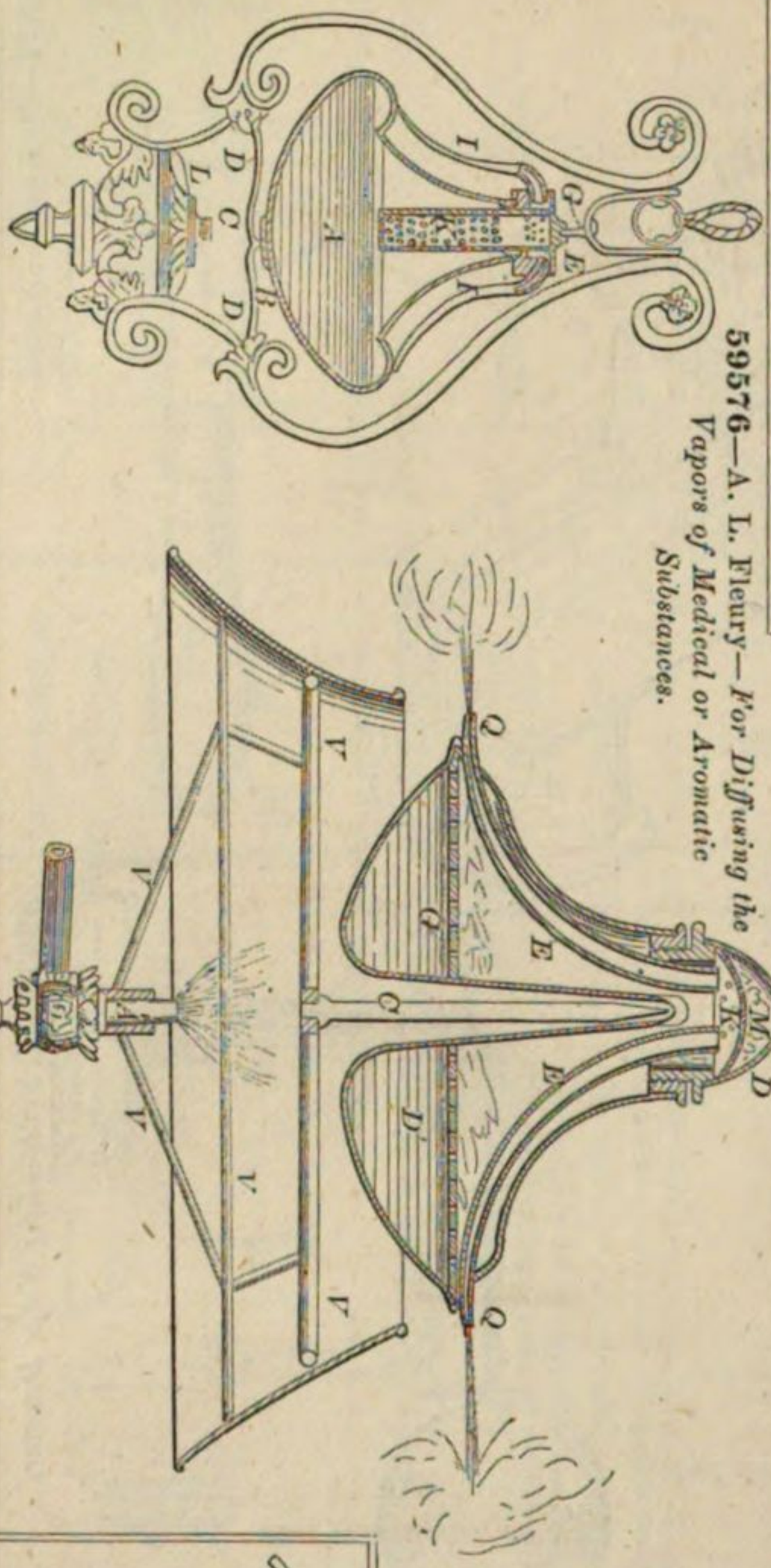
59581—W. H. Foulds—*Window Shutter Hinge.*



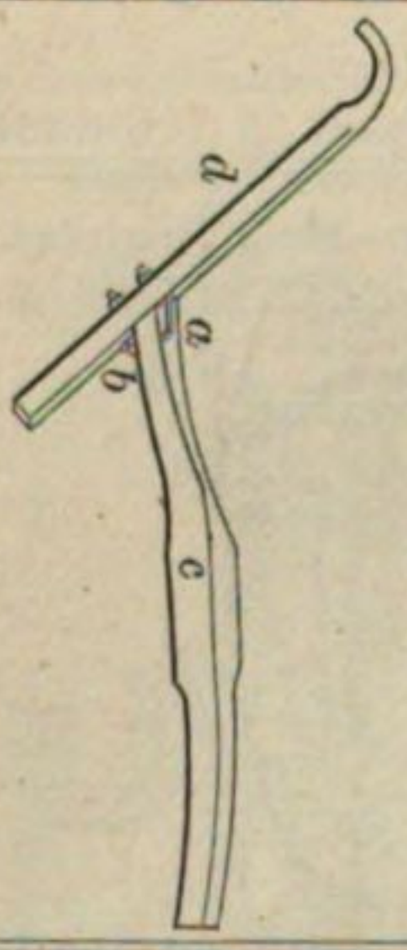
59583—J. Geemen—*Malt Kiln.*



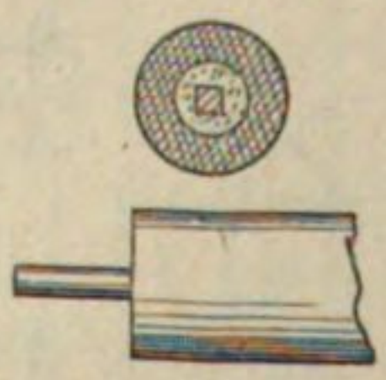
59576—A. L. Fleury—*For Diffusing the Vapors of Medical or Aromatic Substances.*



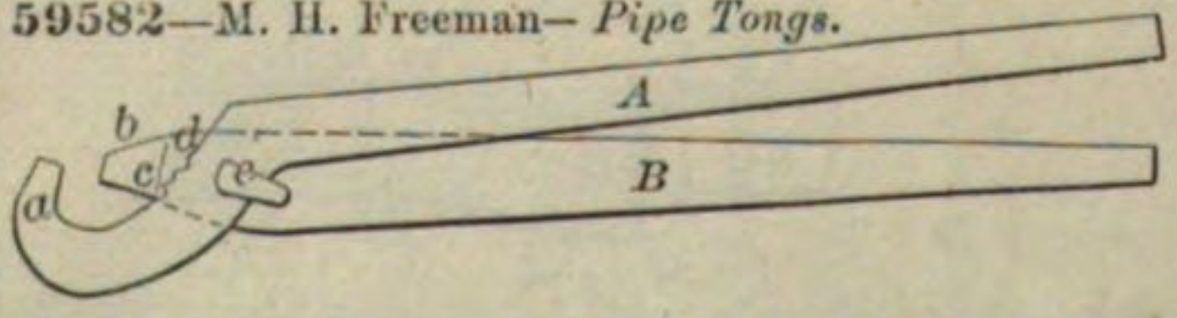
59577—F. Fogelgesang—*Plow.*



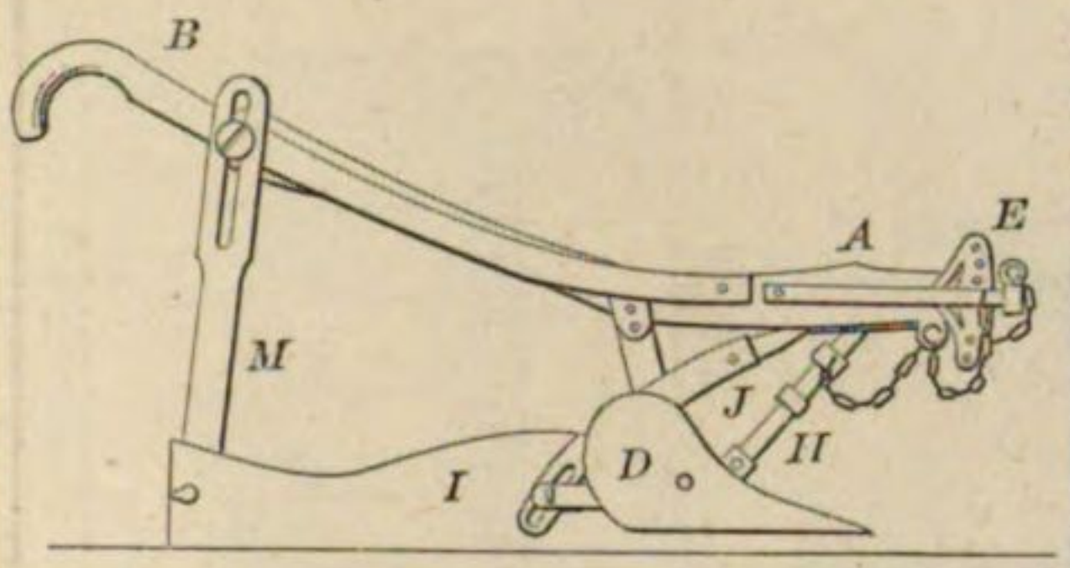
59580—J B. Forsyth—
India Rubber Roller.



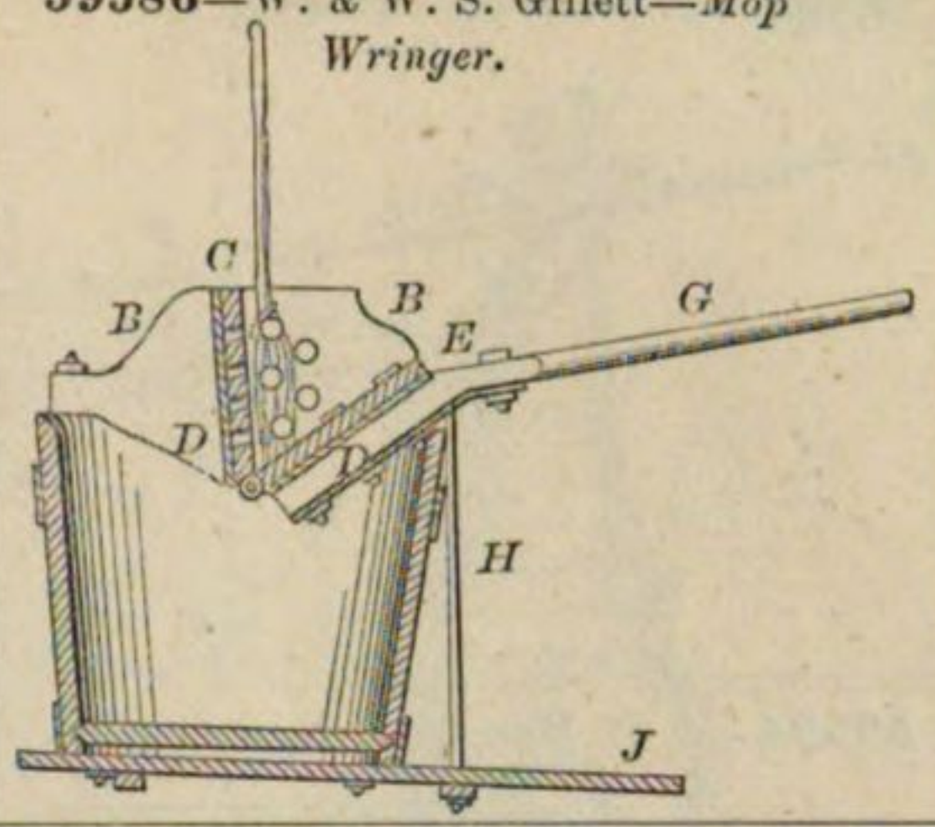
59582—M. H. Freeman—*Pipe Tongs.*



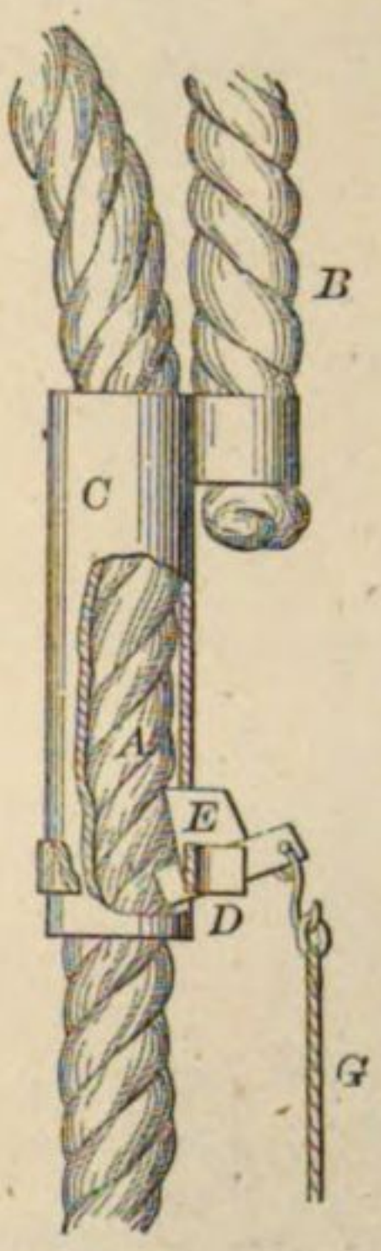
59584—J. Gifford, Jr.—*Horse Hoe.*



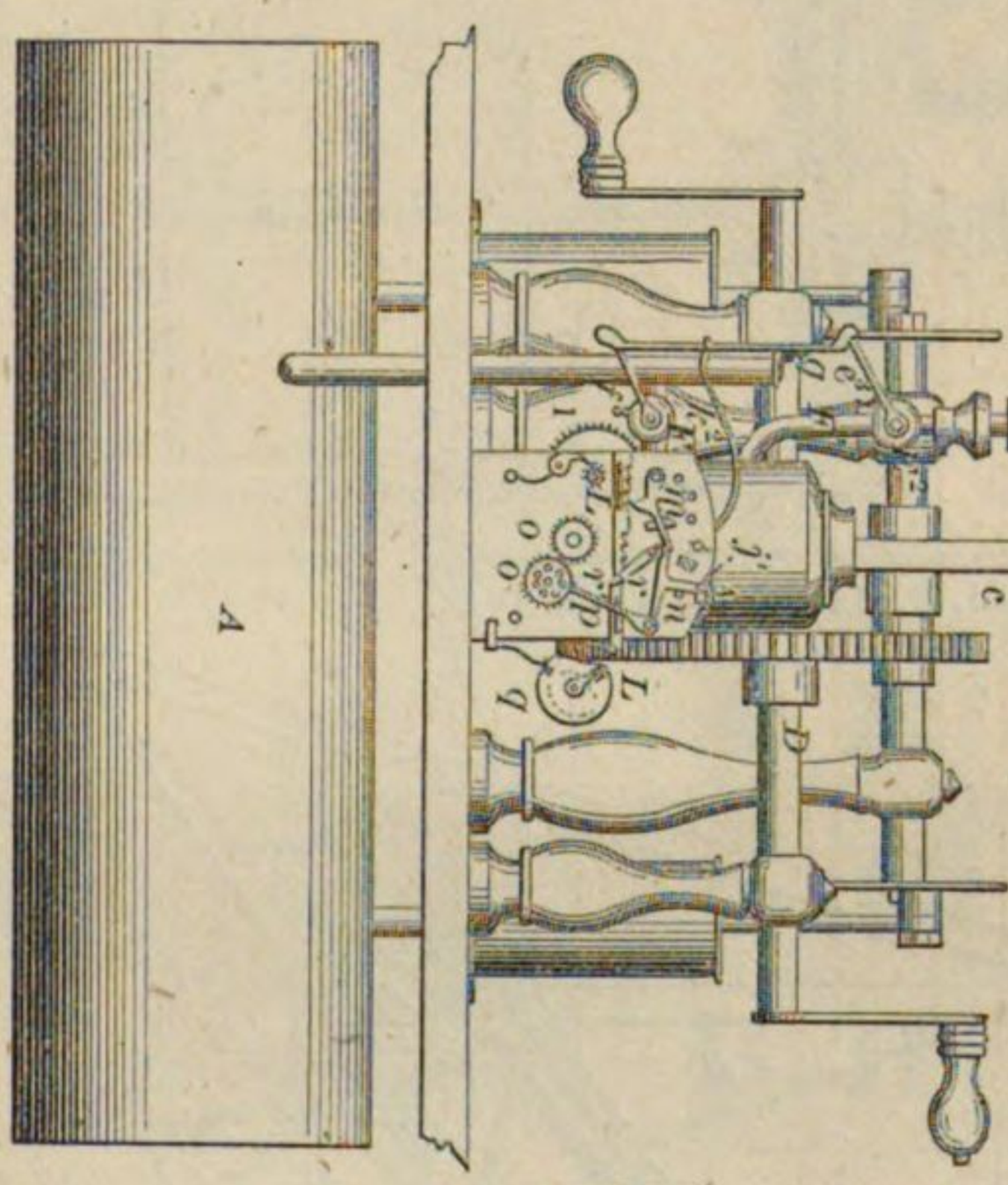
59586—W. & W. S. Gillett—*Mop Wringer.*

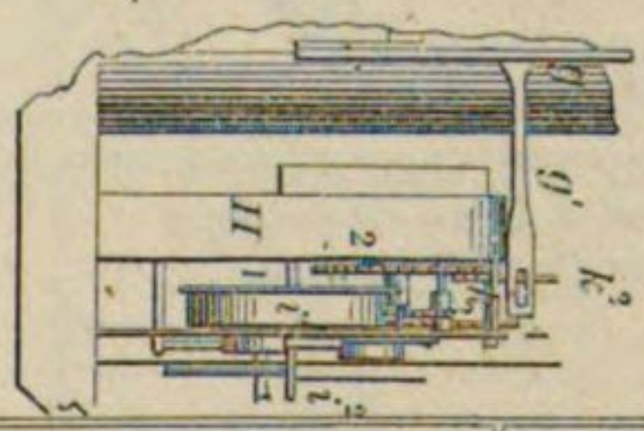


59585—J. Gifford, Jr.—*Hay Elevator.*

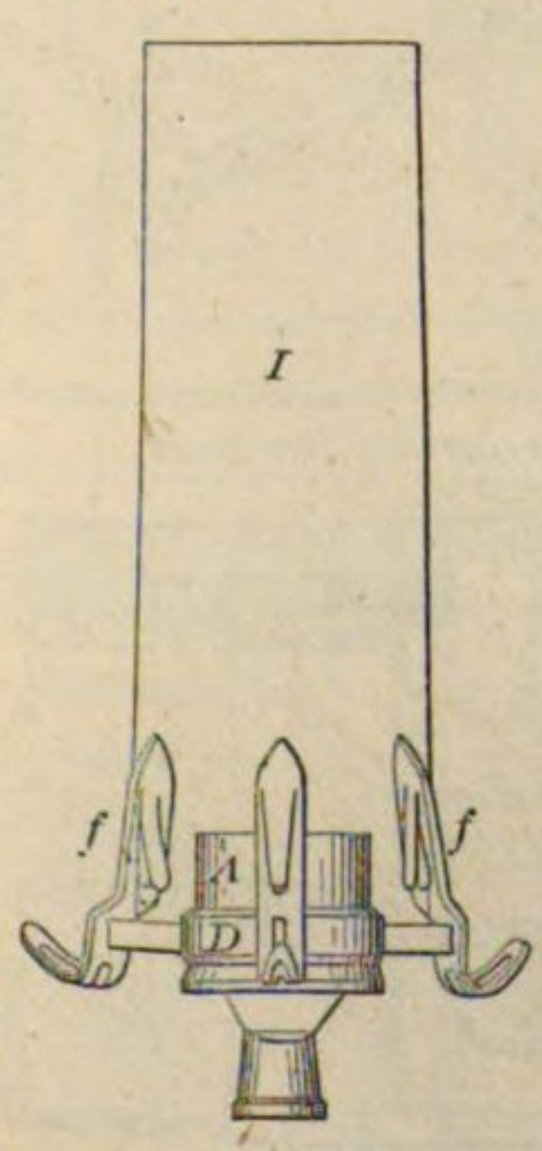


59589—Goulding, Clark & Dickinson—*Fog Signal.*

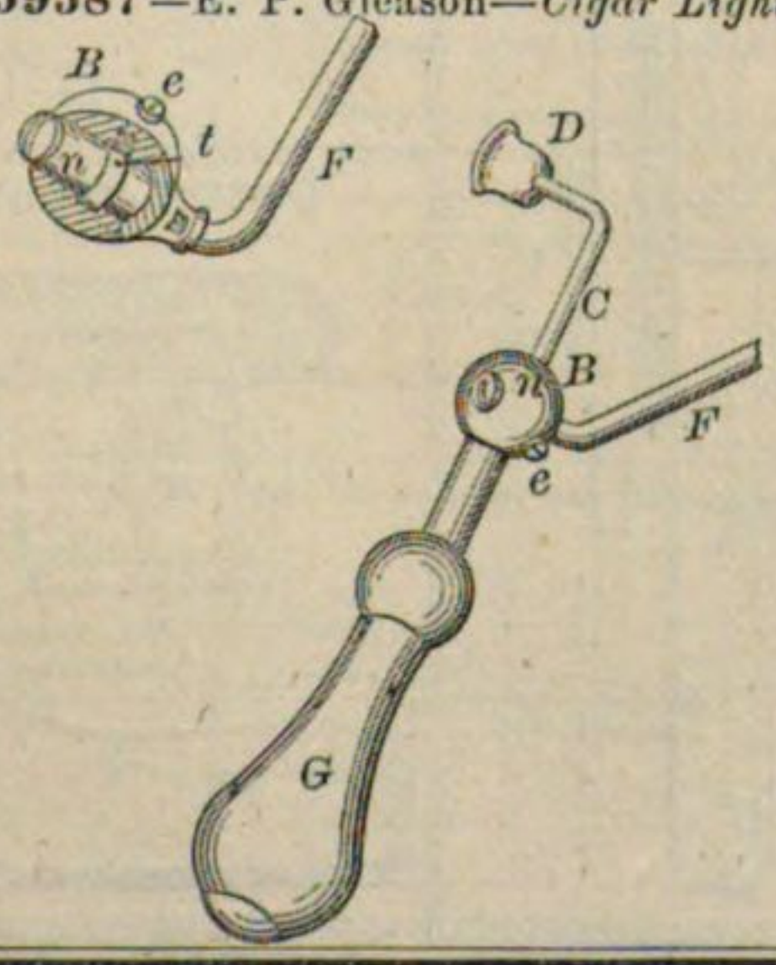




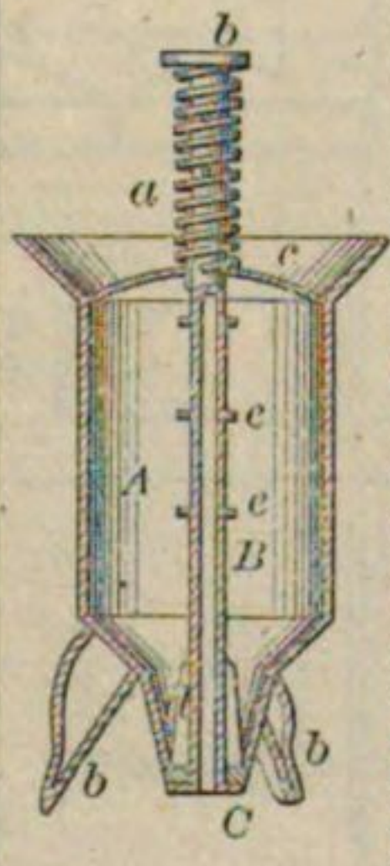
59588—E. P. Gleason—*Chimney Holder for Gas Burners.*



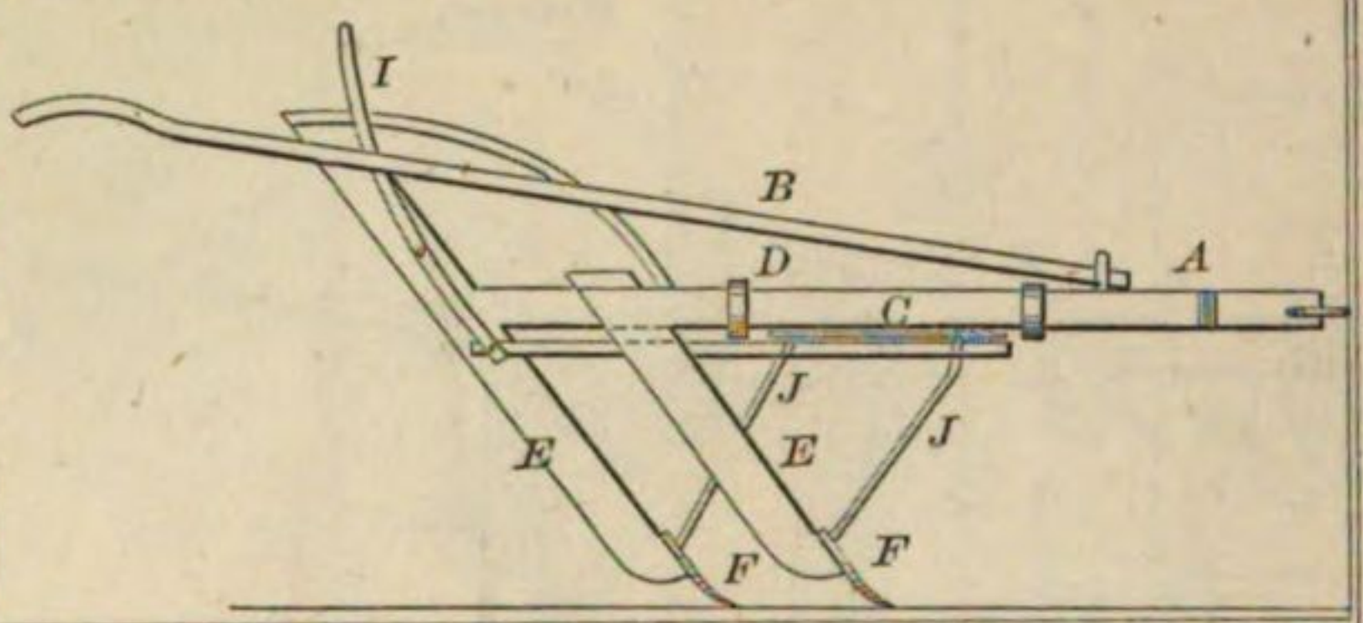
59587—E. P. Gleason—*Cigar Lighter.*



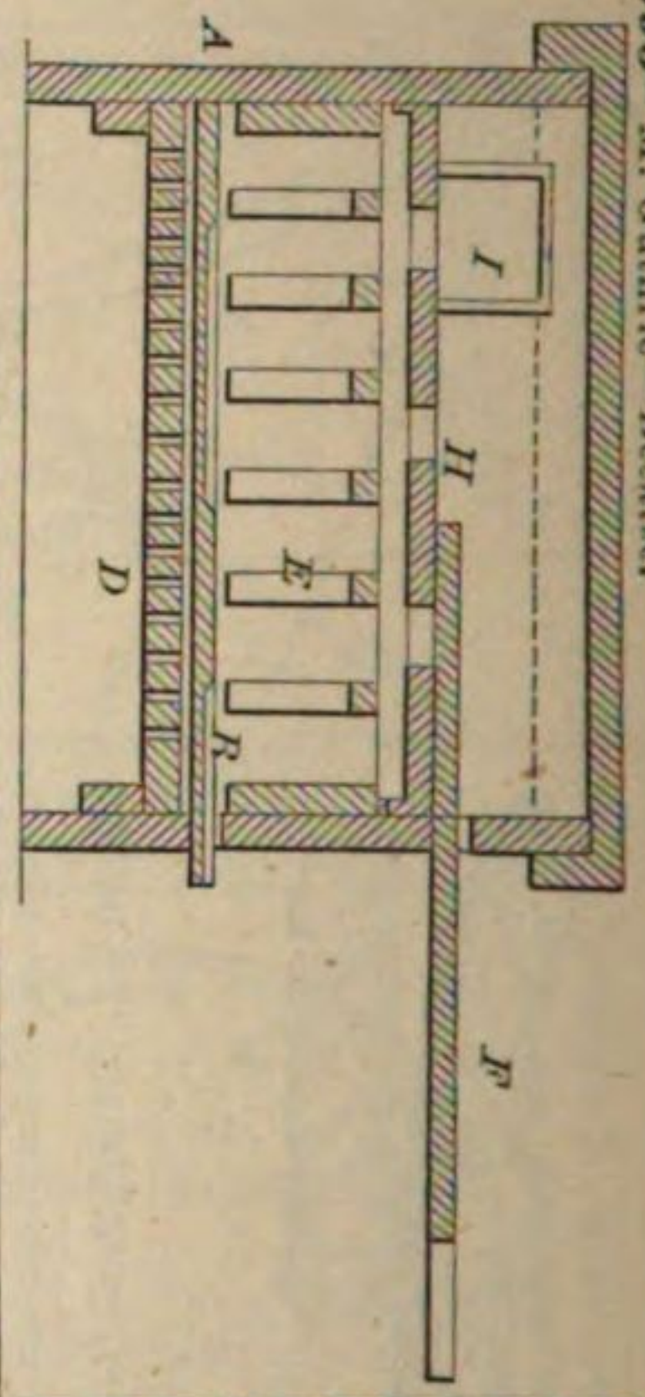
59590—E. Grattern—*Measure and Funnel.*



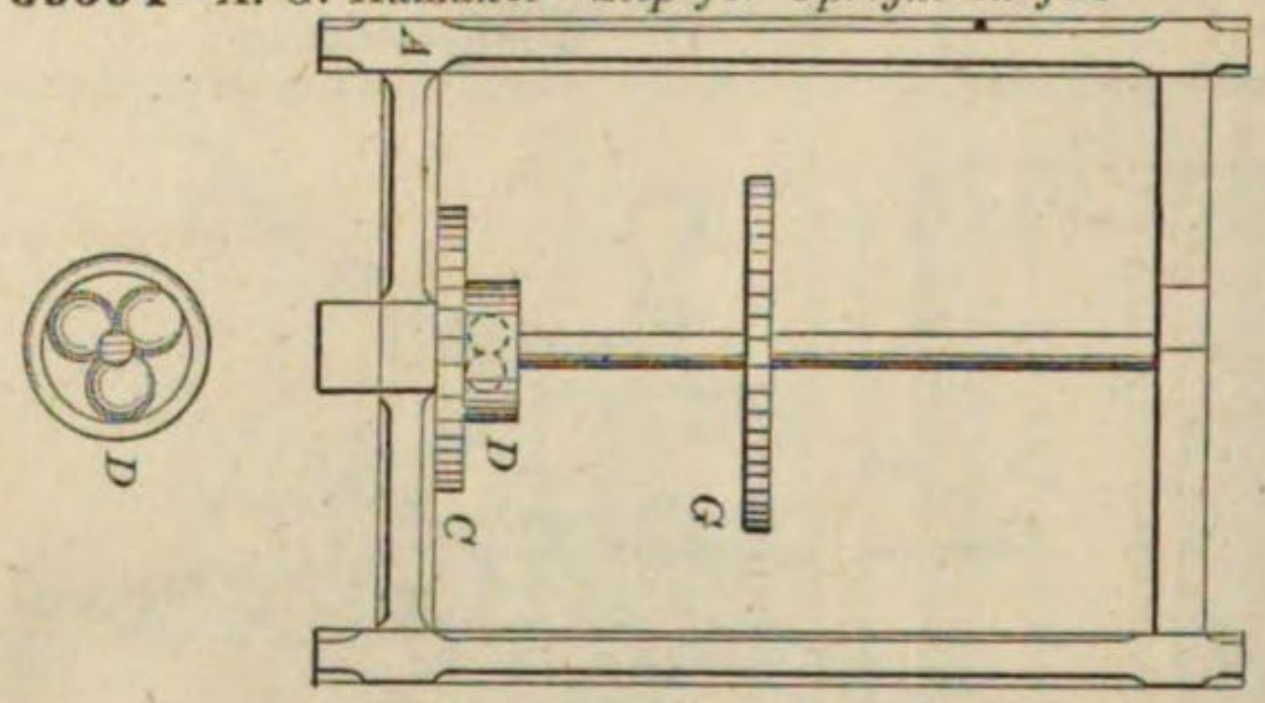
59592—A. F. Grove—*Cultivator.*



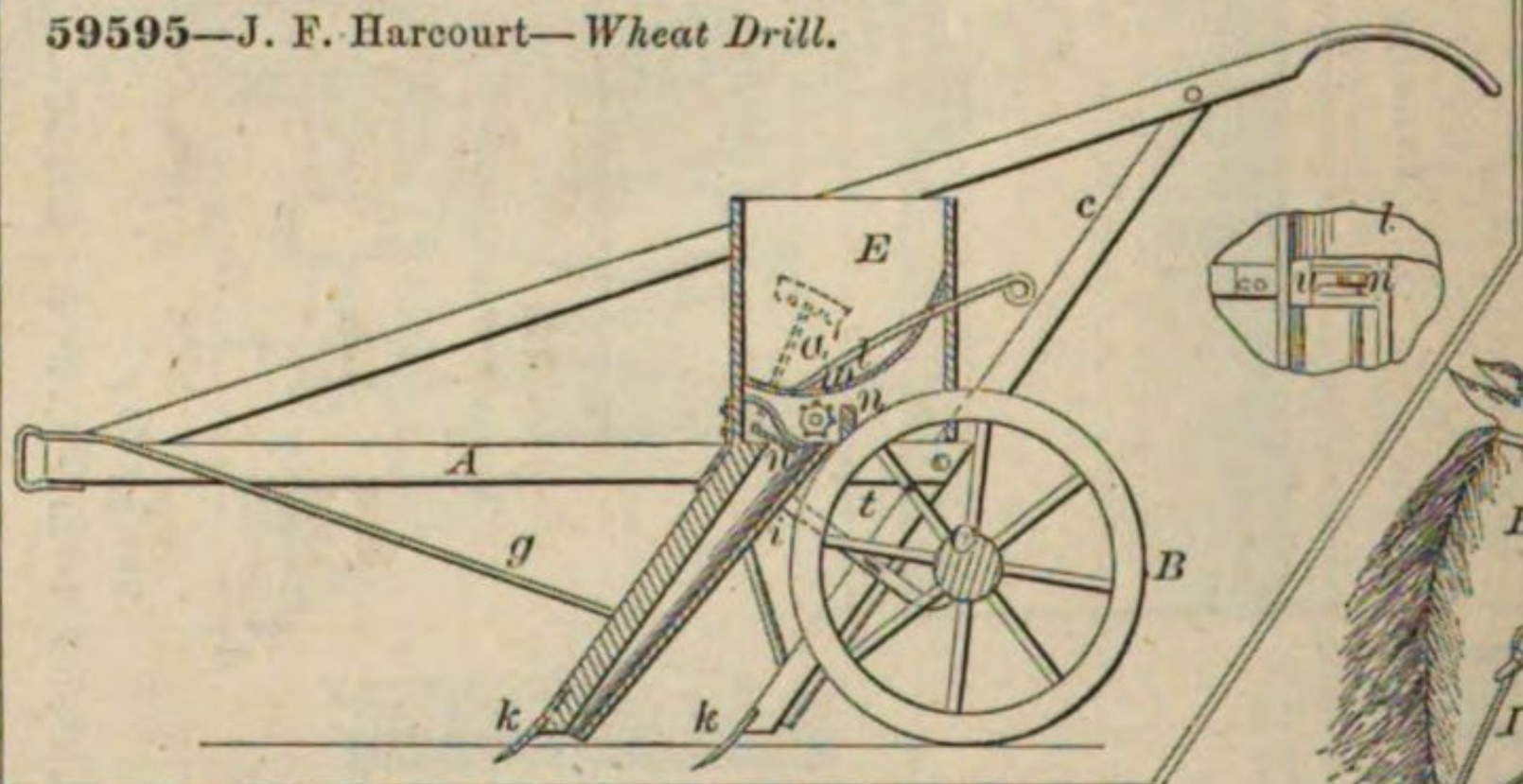
59593—M. Guthrie—*Beehive.*



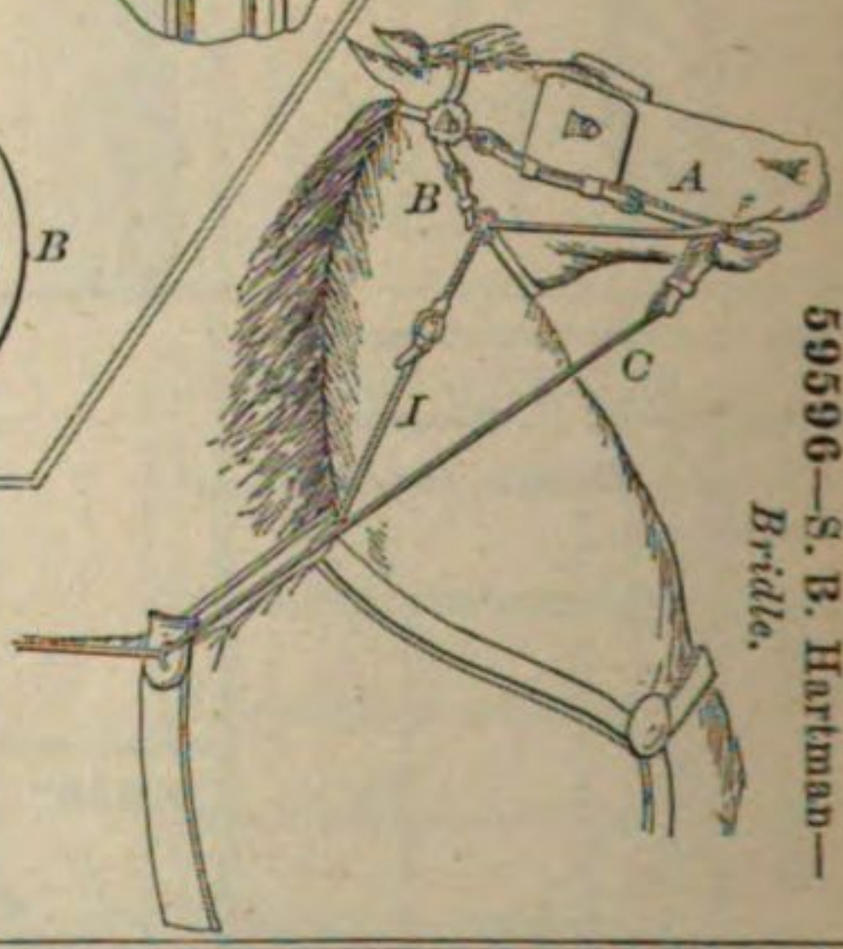
59594—A. G. Hamaker—*Step for Upright Shafts.*



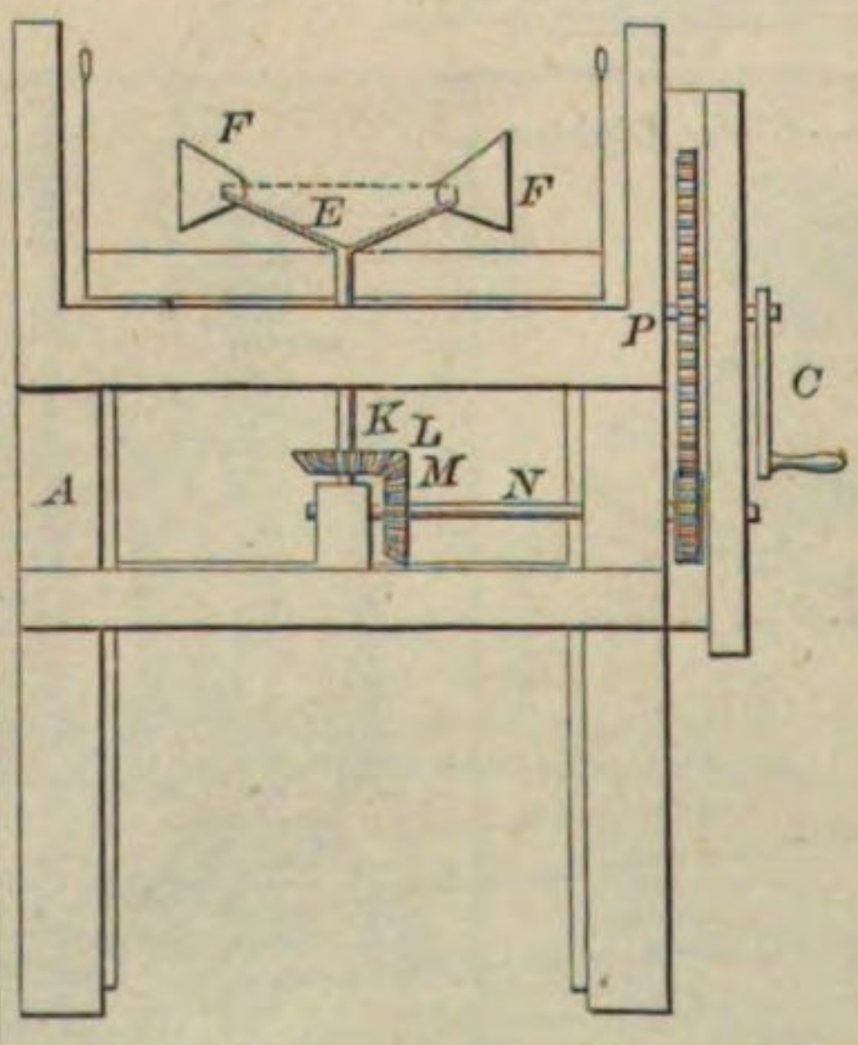
59595—J. F. Harcourt—*Wheat Drill.*



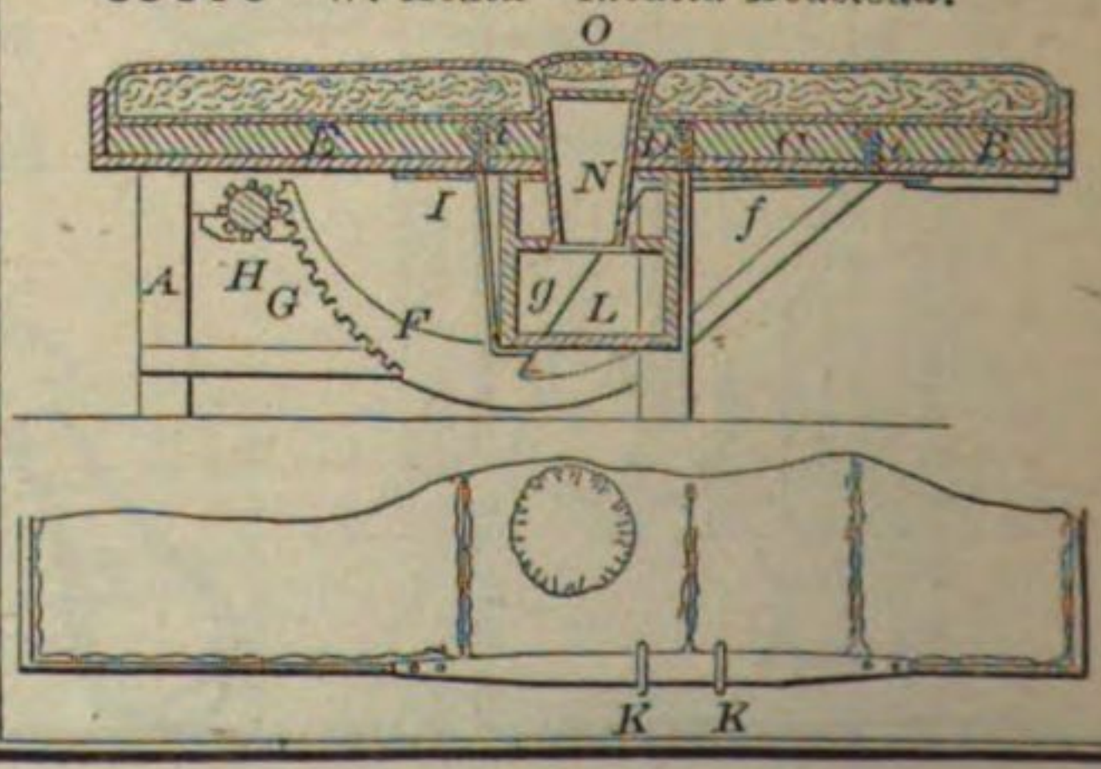
59596—S. B. Hartman—*Bridle.*



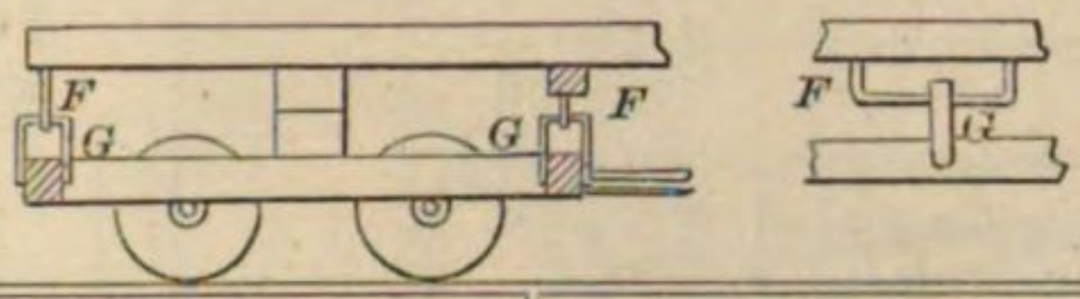
59598—Hasket & Cox—*Centrifugal Machine for Draining Sugar.*



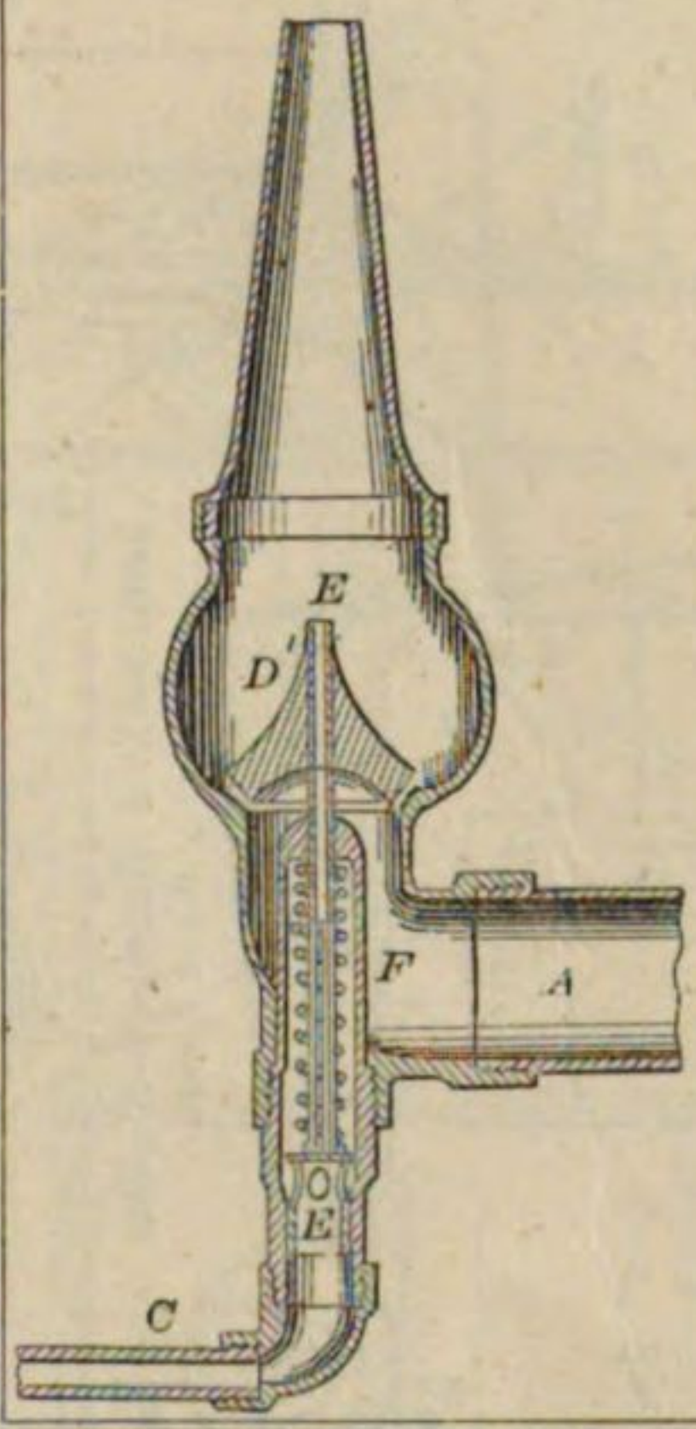
59600—W. Heath—*Invalid Bedstead.*



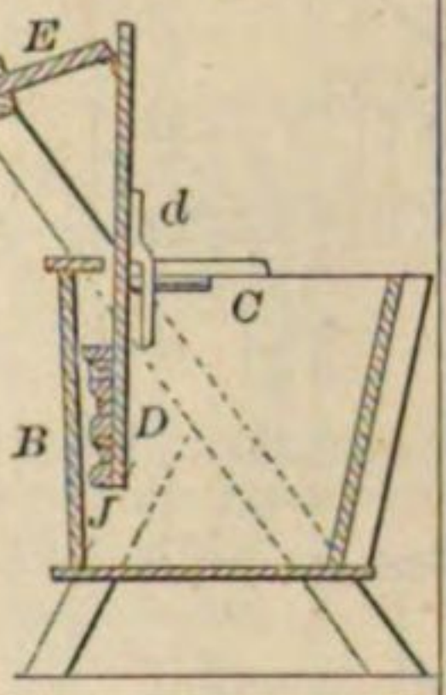
59601—B. Heiderich—*Car Truck.*



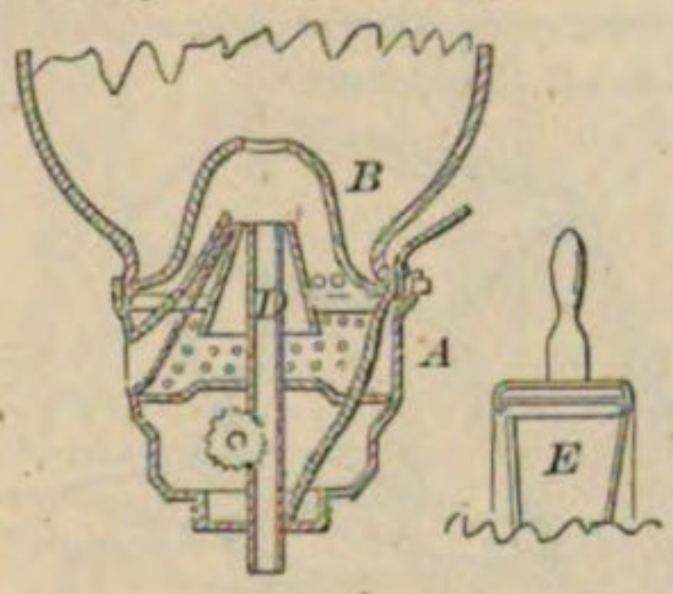
59602—P. C. Heinz—*Injector.*



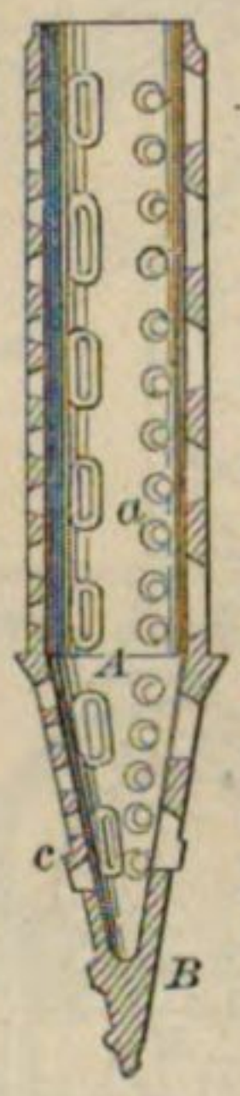
59604—J. Hindman—*Washing Machine.*



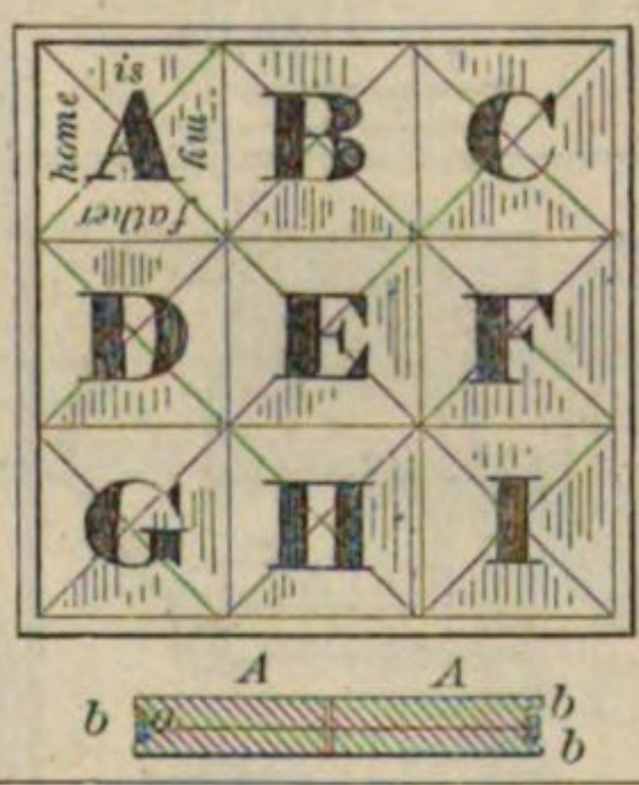
59607—J. N. Howe—*Extinguisher for Lamp.*



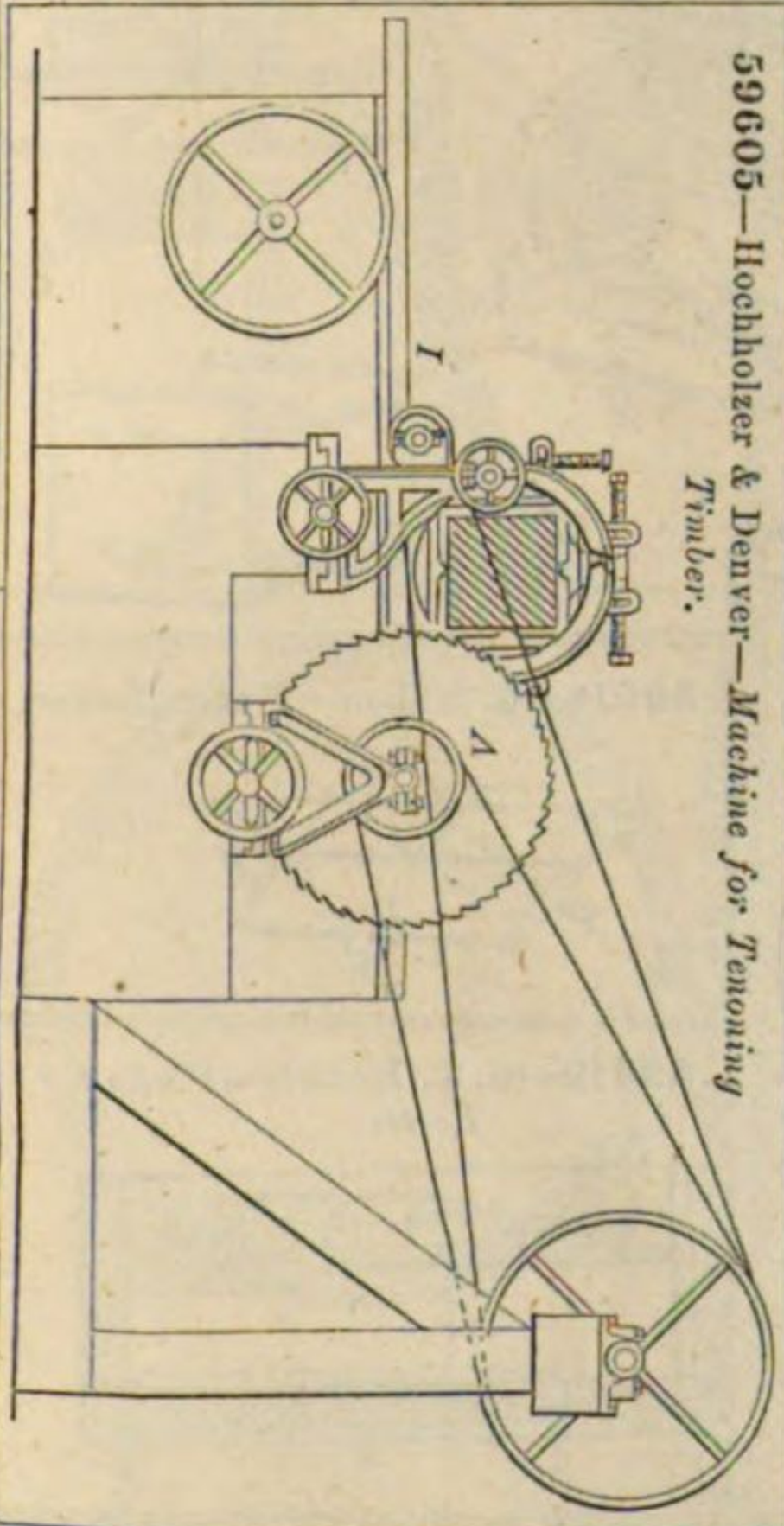
59608—J. Hutchins—*Drill or Well Tube.*



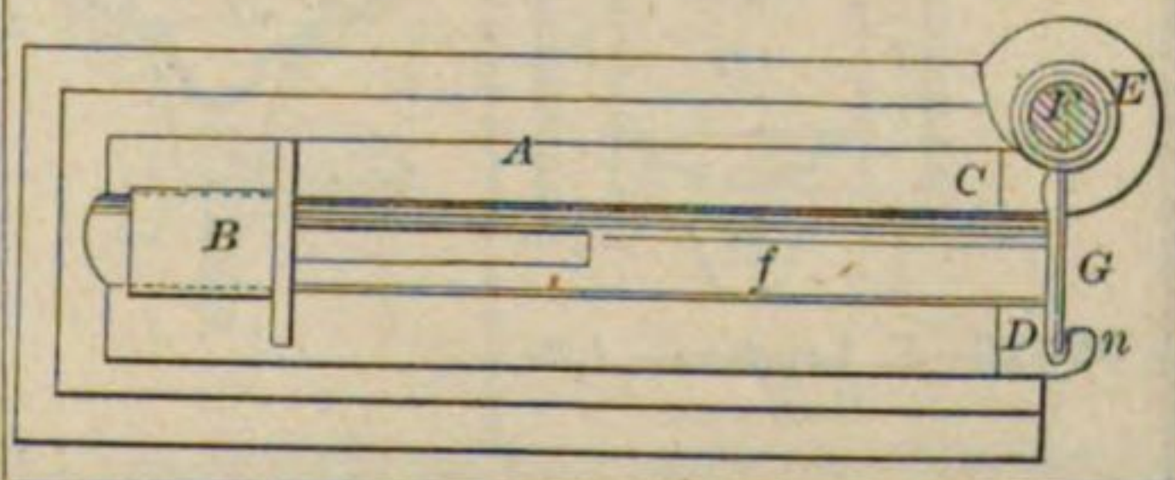
59603—L. Hill—*Alphabet Blocks.*



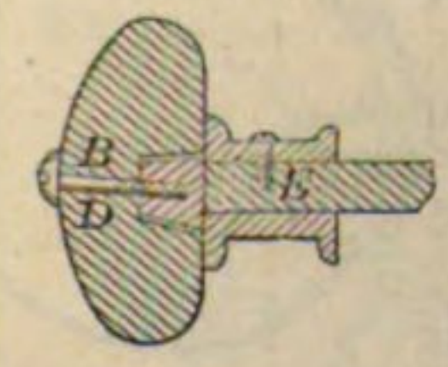
59605—Hochholzer & Denver—*Machine for Tenoning Timber.*



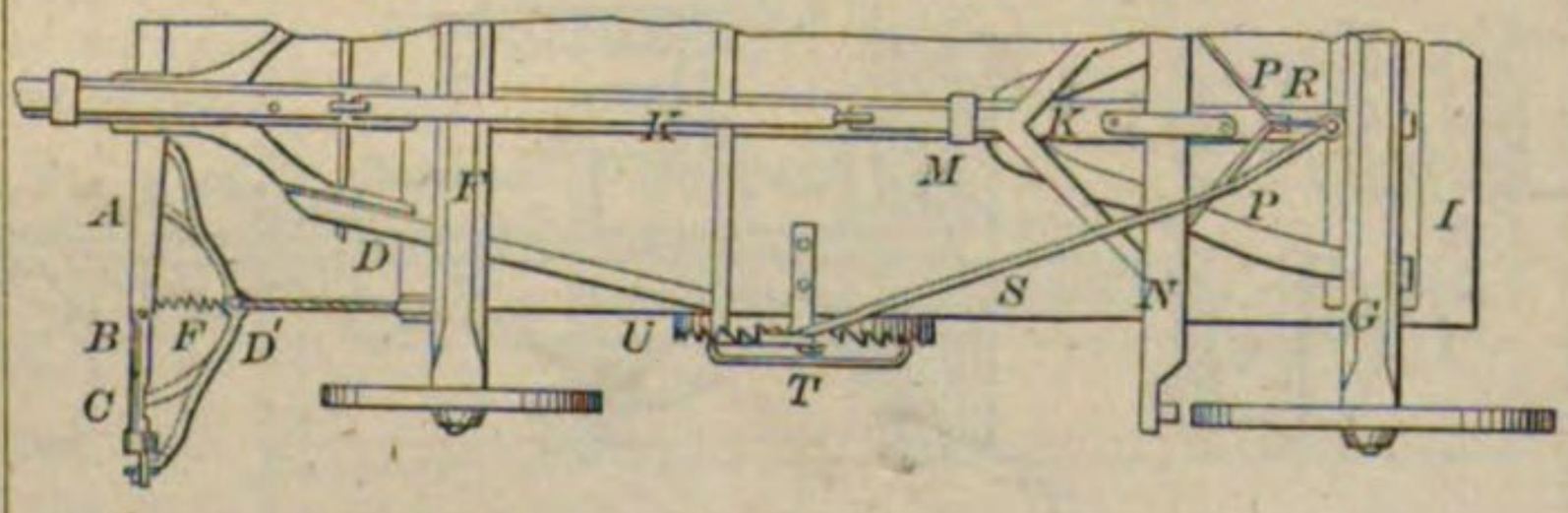
59606—F. W. Hoffmann—*For Cutting off Cigars.*



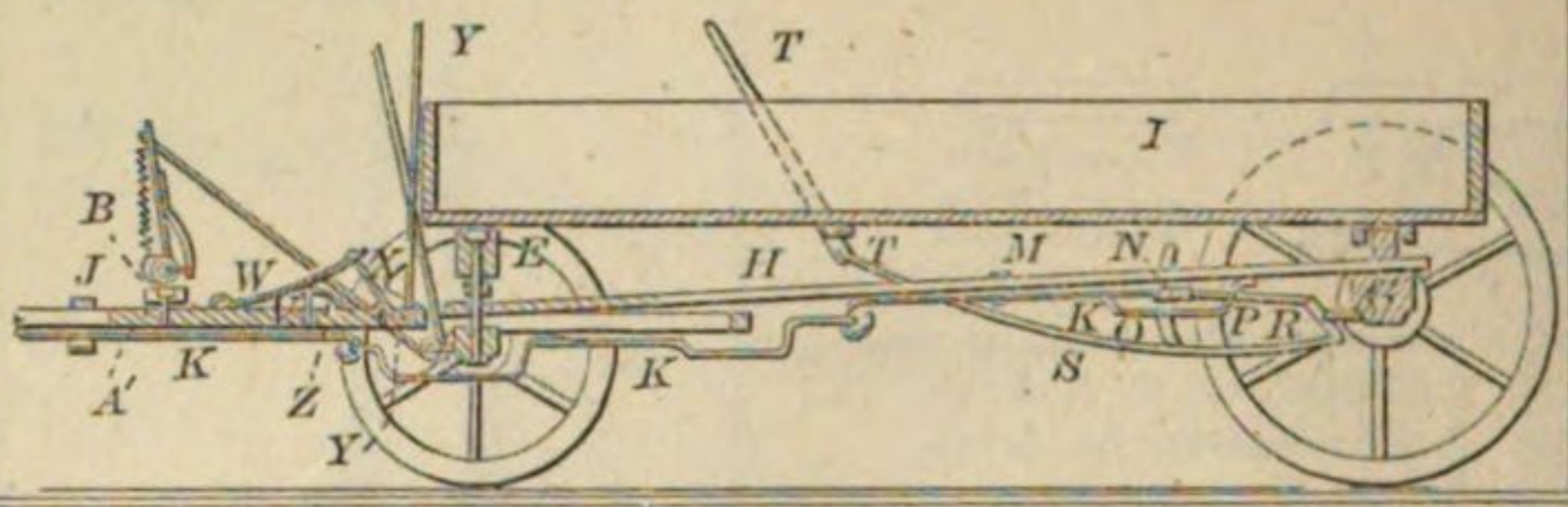
59609—Jones & Mead—*Fastening Door Knobs to Shanks.*



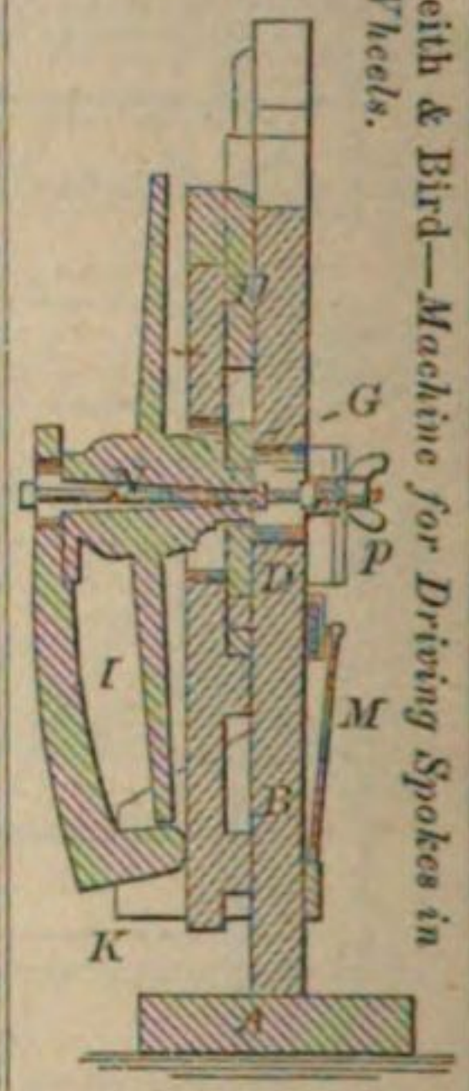
59610—W. A. Jones—*Vehicle.*



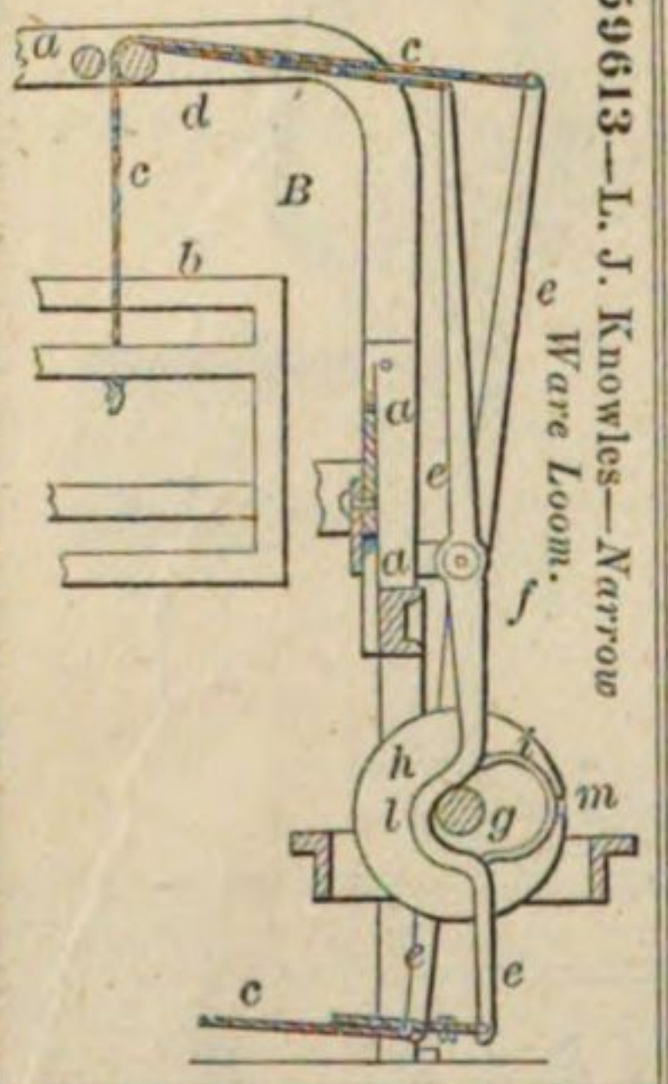
59610—*Continued.*



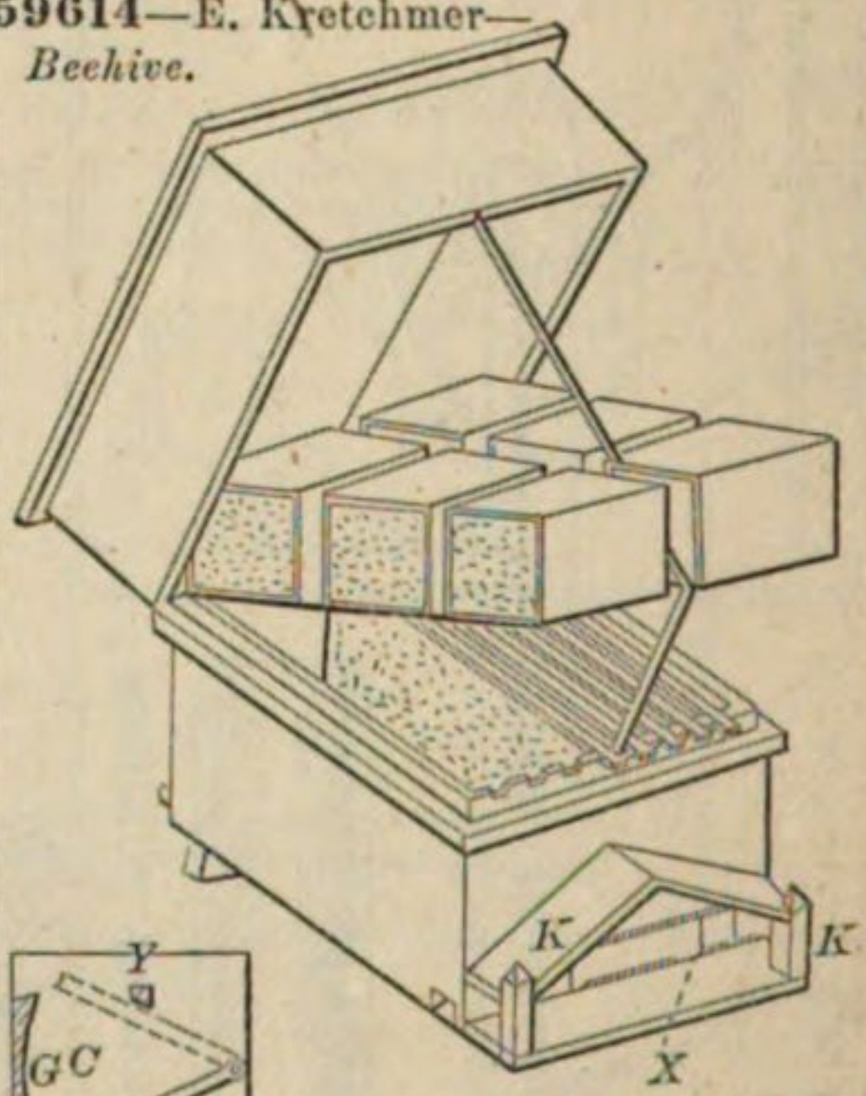
59612—Keith & Bird—*Machine for Driving Spokes in Wagon Wheels.*

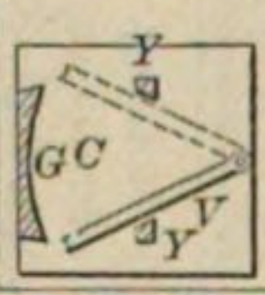


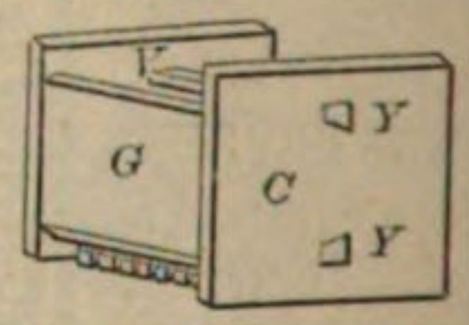
59613—L. J. Knowles—*Narrow Ware Loom.*

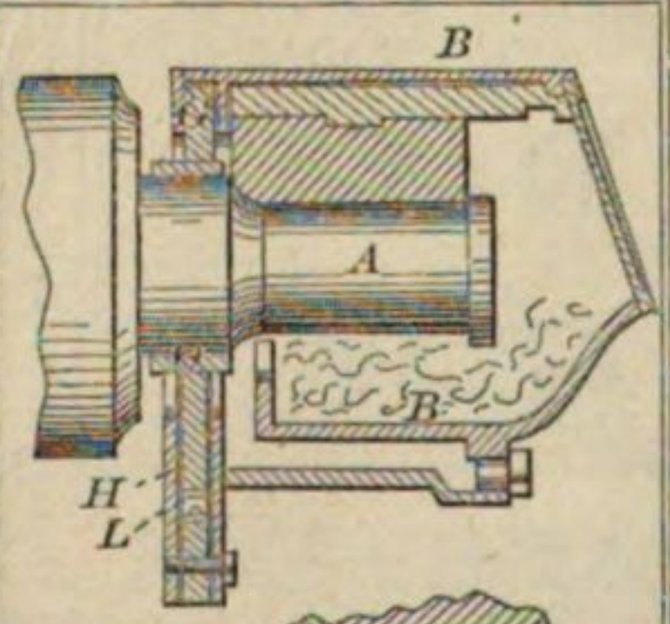


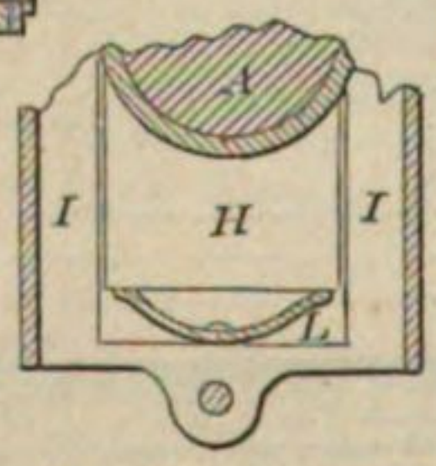
59614—E. Kretchmer—*Beehive.*



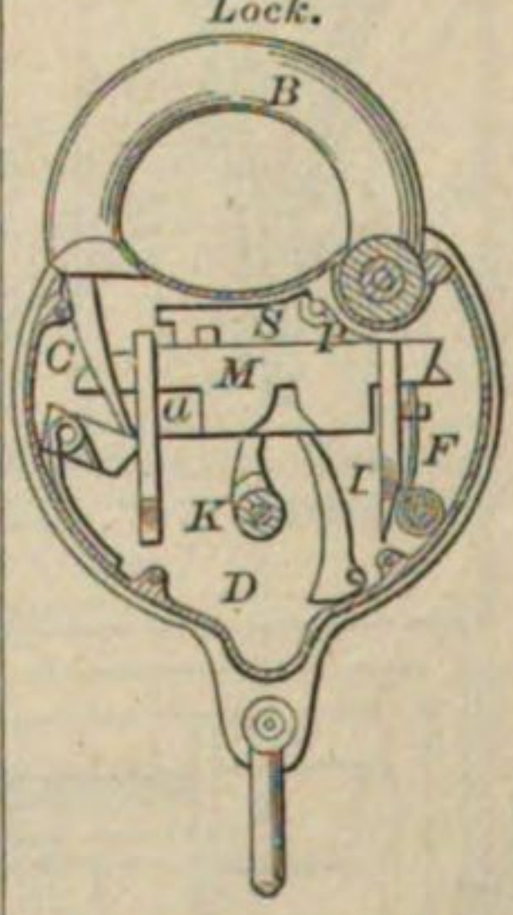




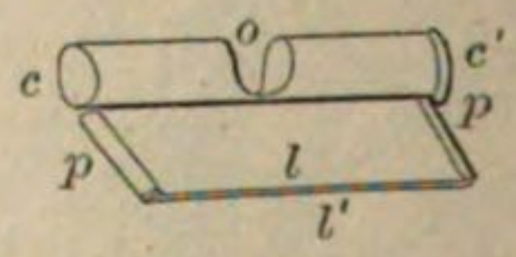




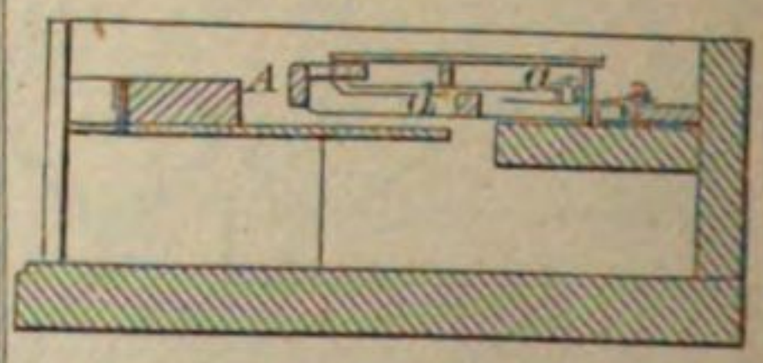
59615—E. Lawshe—*Lock.*



59618—C. Mahon—*Ticket Holder.*

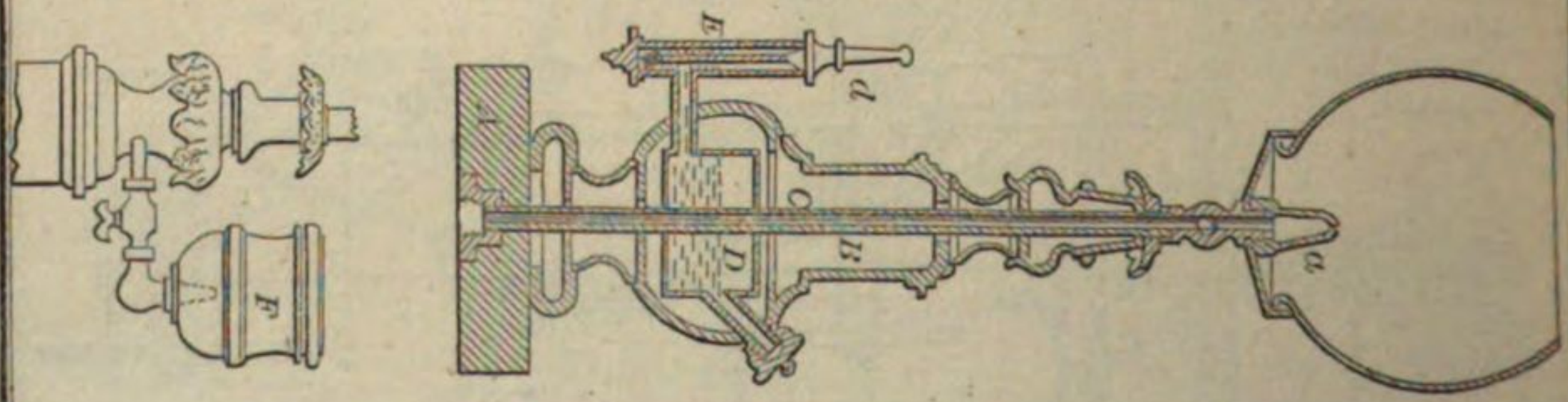


59619—G. C. Manner—*Piano Forte.*

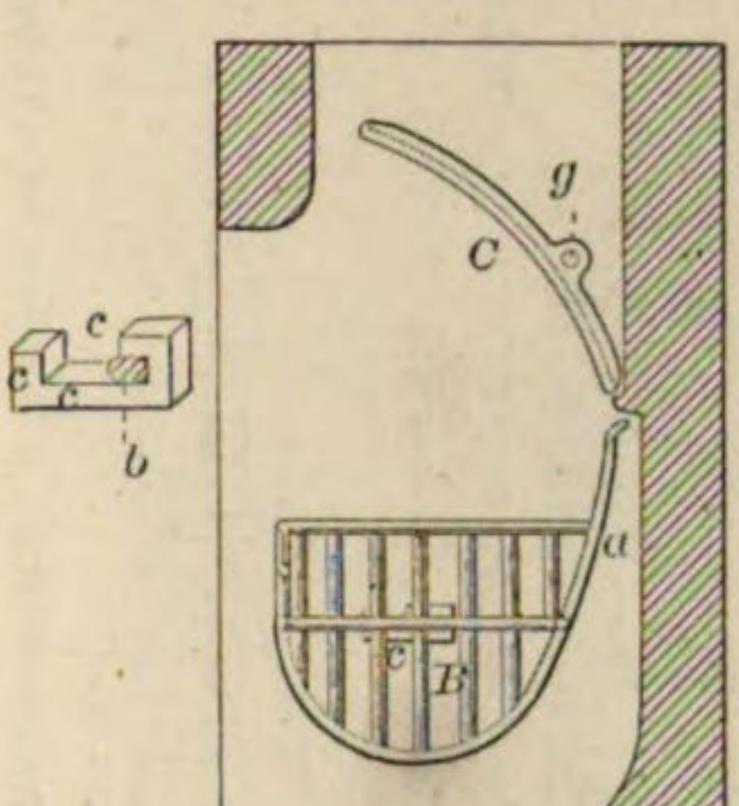


59616—F. Leppens—*Axle Box.*

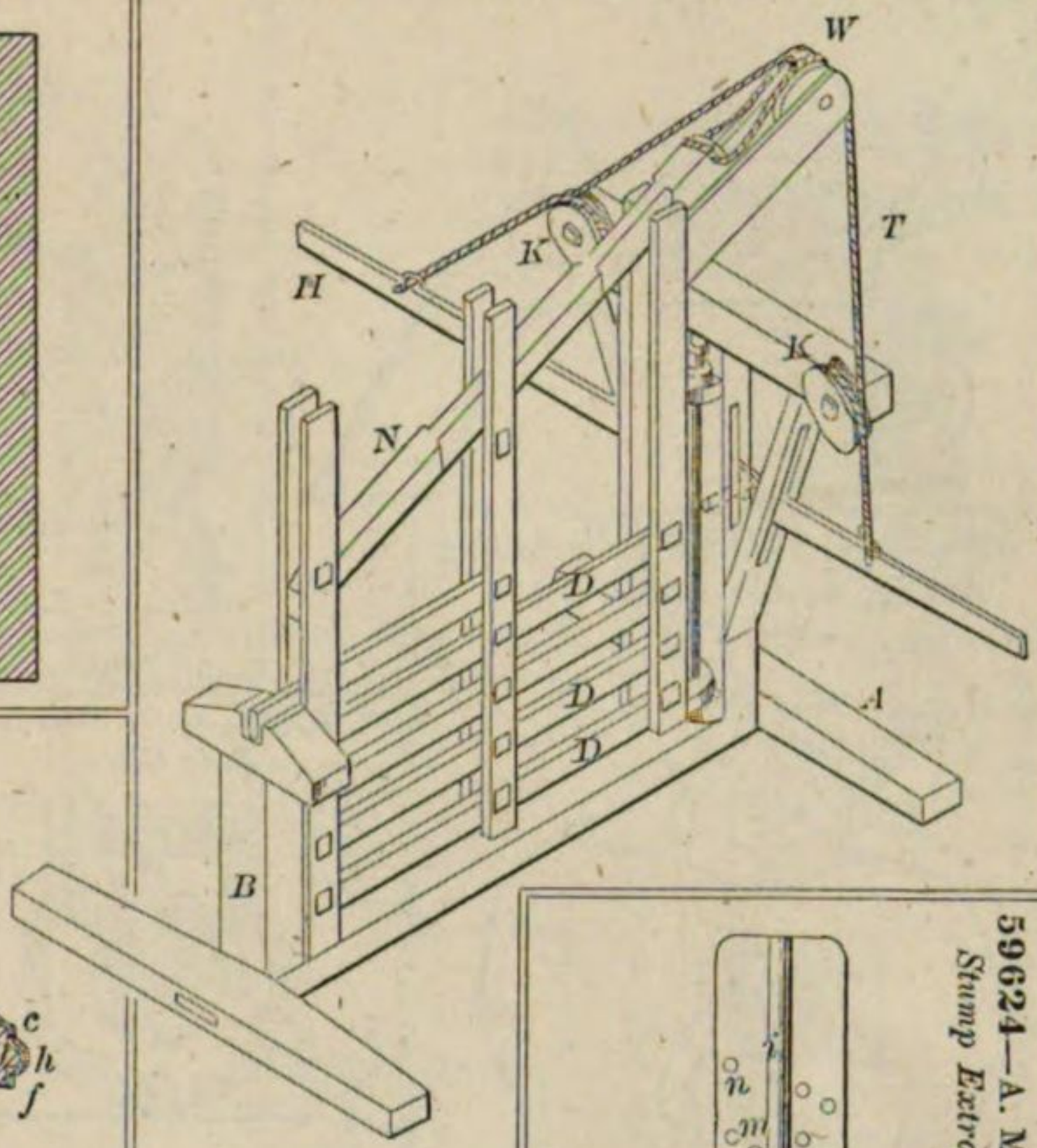
59617—W. C. Lesster—*Gasalier and Cigar Lighter.*



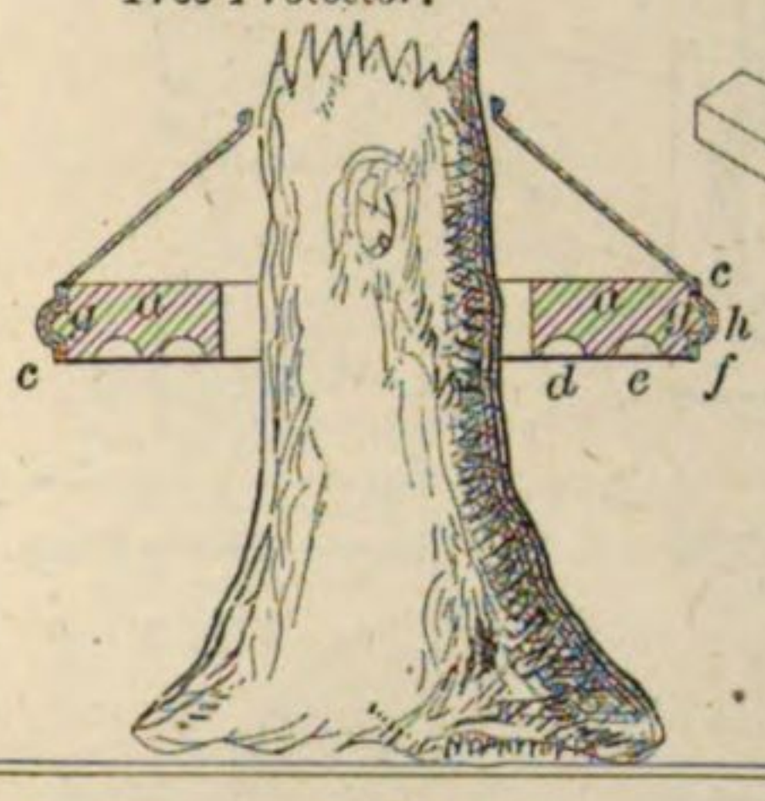
59620—T. McCleary—*Fire Place.*



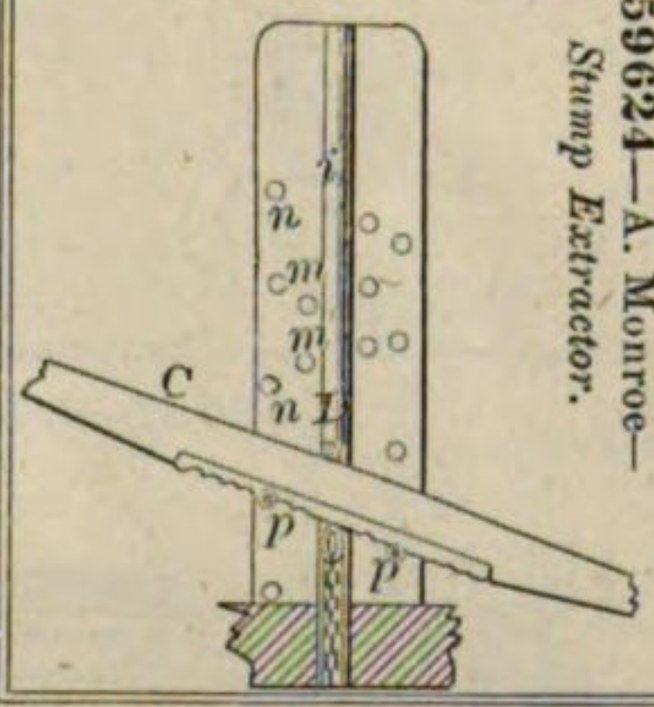
59621—R. W. McFarland—*Farm Gate.*



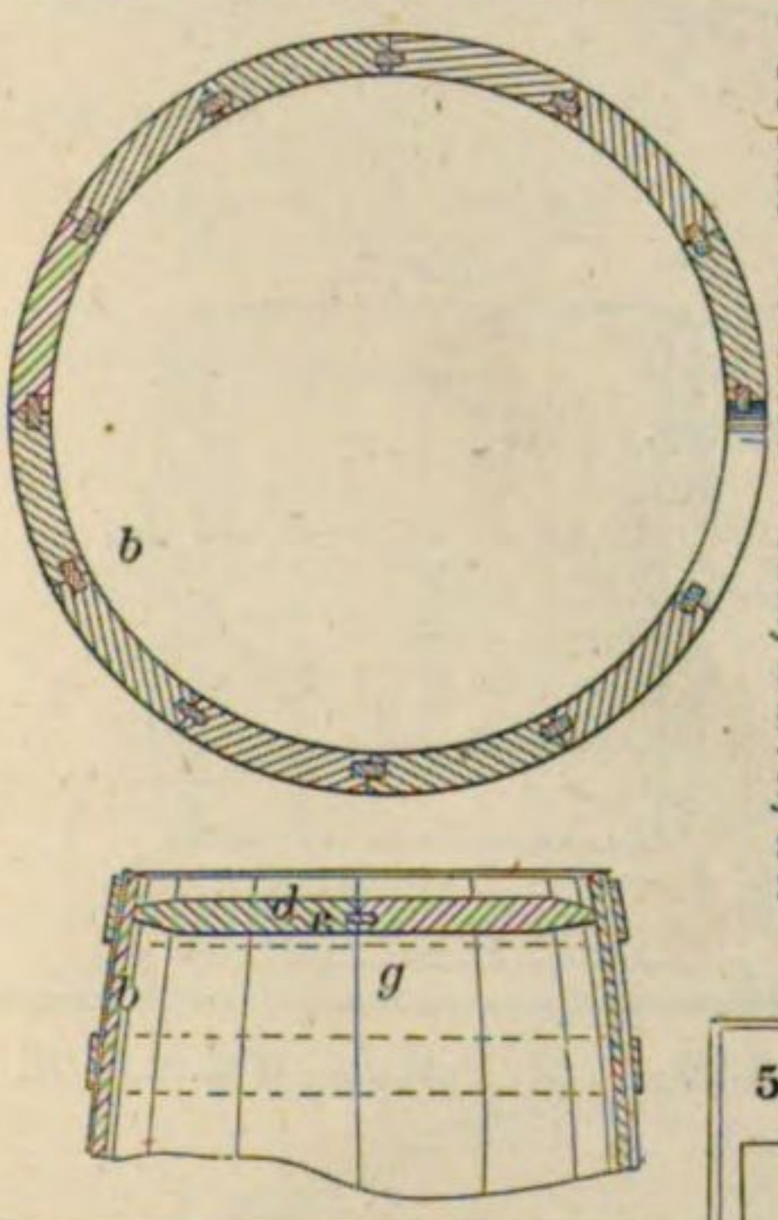
59623—B. Merritt, Jr.—*Tree Protector.*



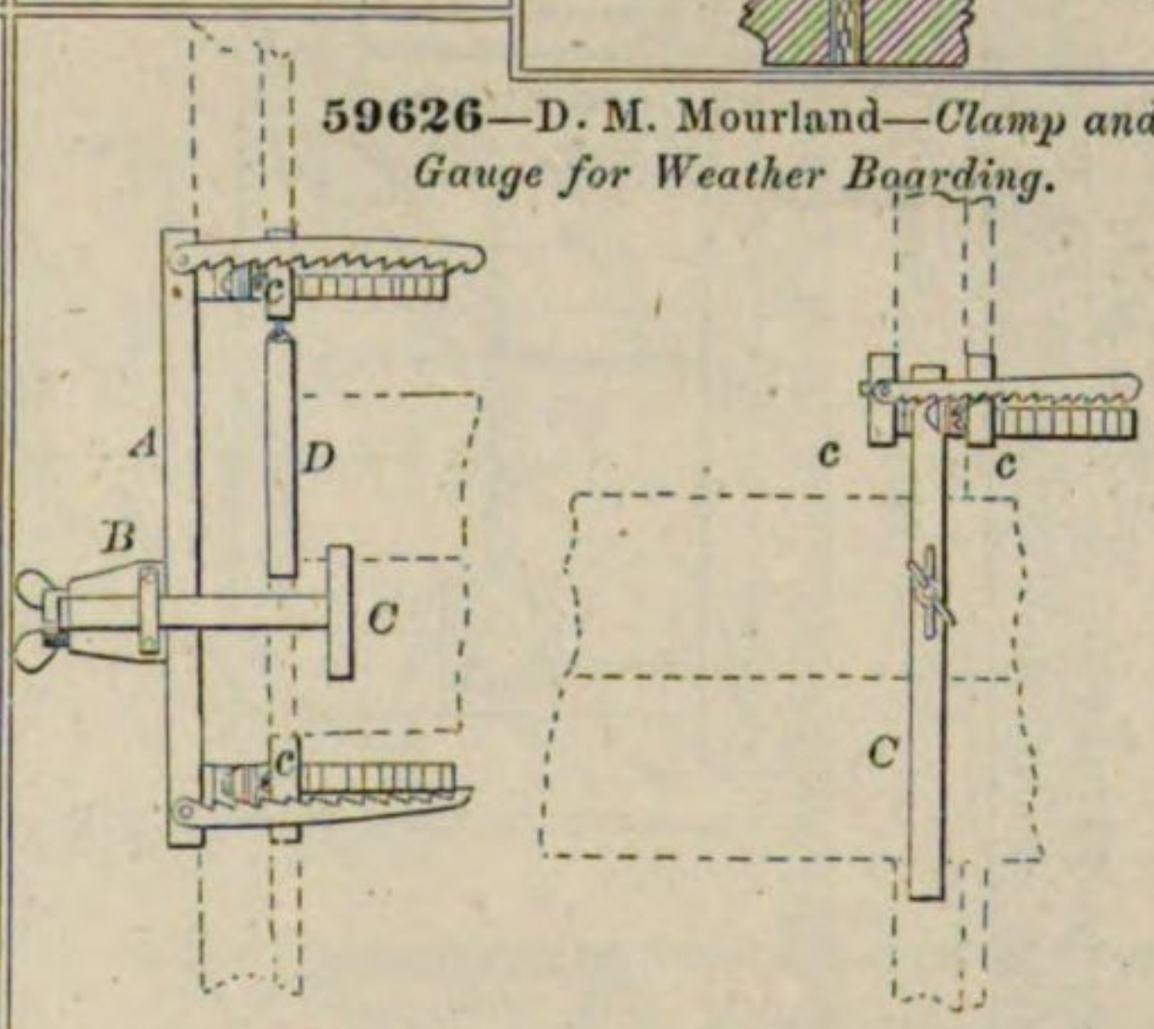
59624—A. Monroe—*Stump Extractor.*



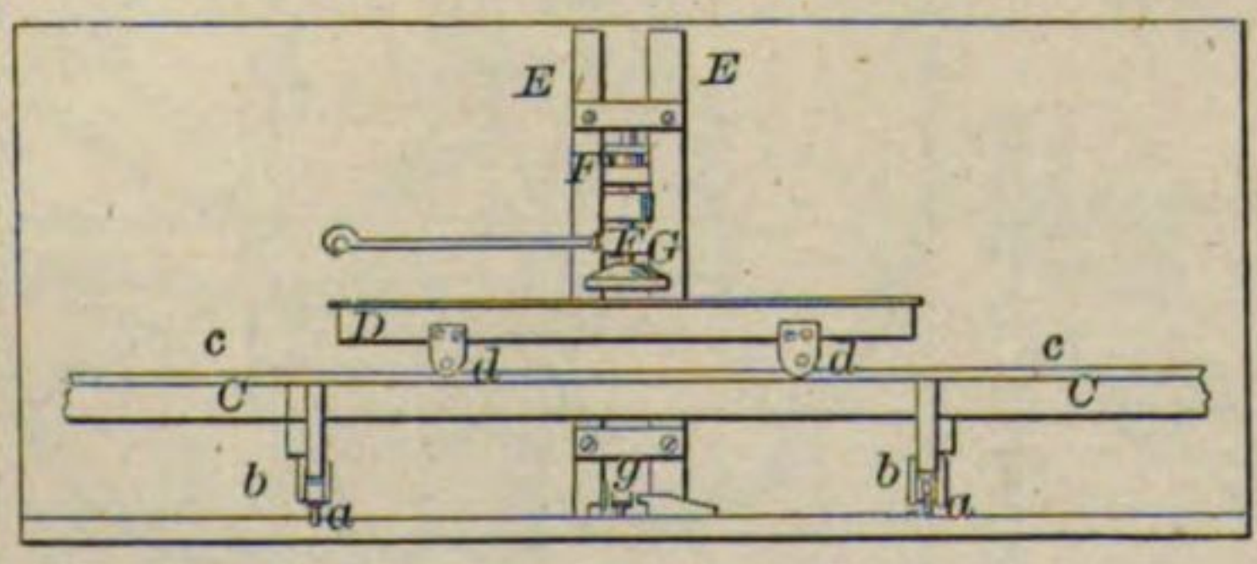
59622—J. Merrill—*Cask, Barrel, &c.*



59626—D. M. Mourland—*Clamp and Gauge for Weather Boarding.*



59625—J. Moore—*Wood Polishing Machine.*



59628—A. B. Mullett—*Lock.*

Fig. 2

Fig. 4

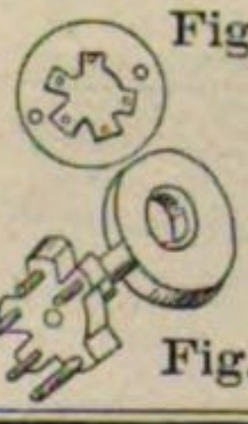
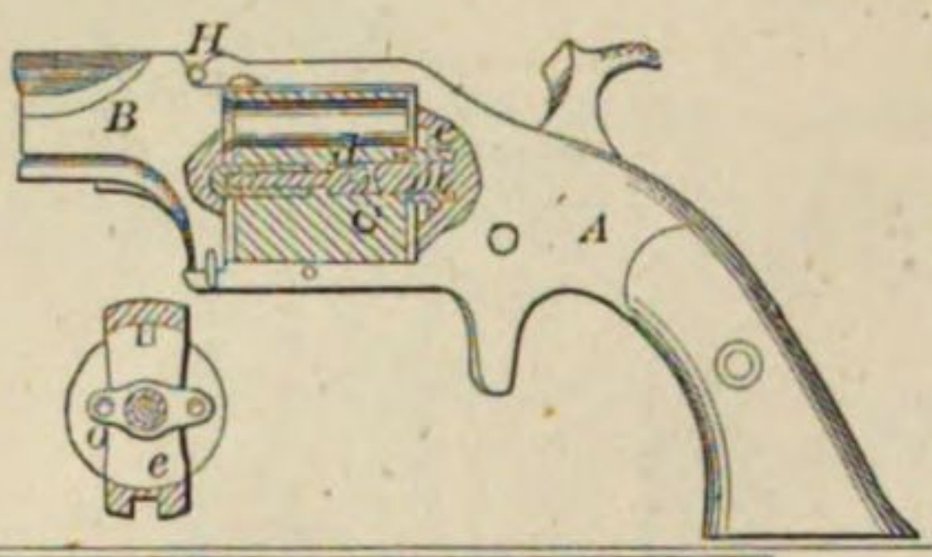
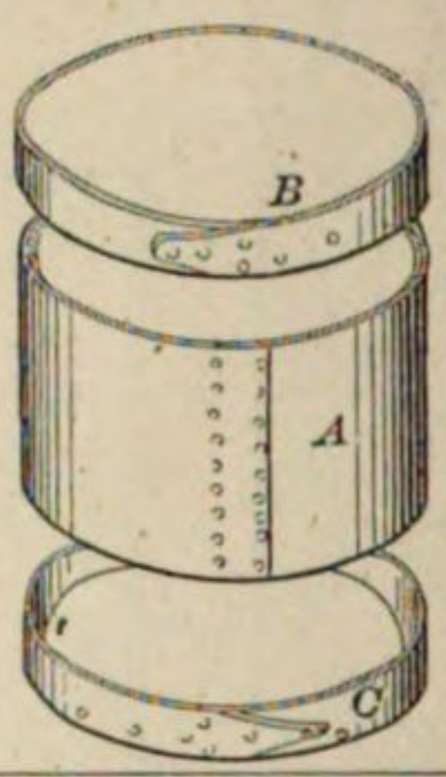


Fig. 8

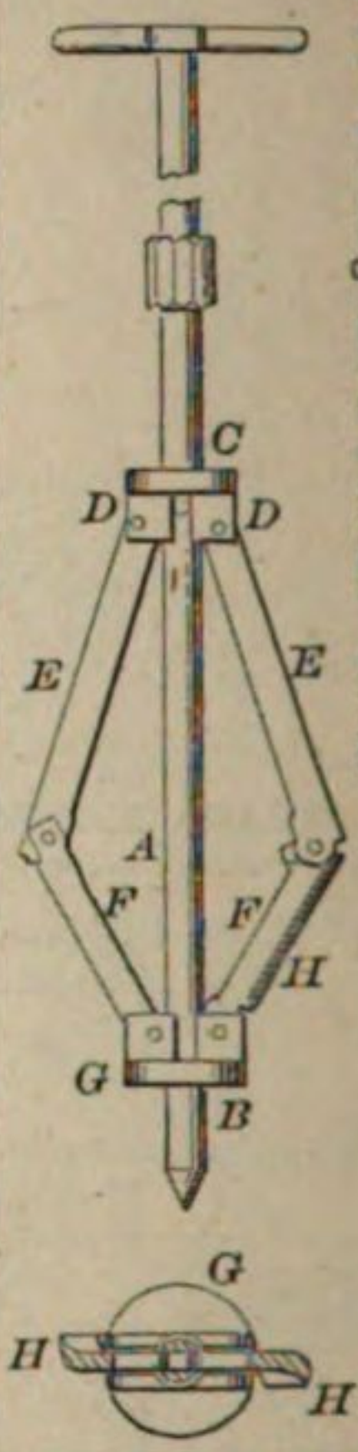
59629—A. L. Munson—*Revolving Fire Arm.*



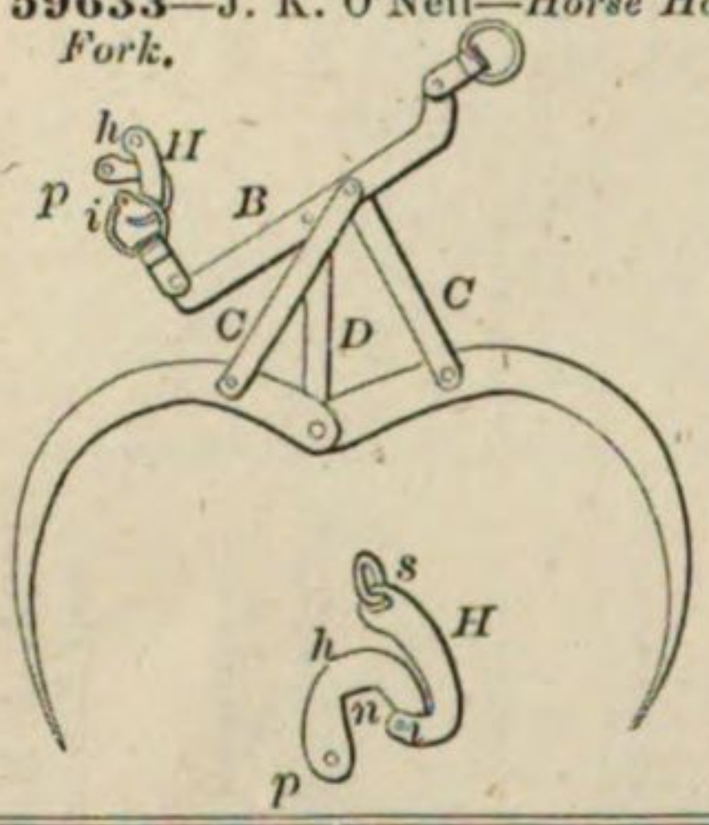
59630—W. B. Nickelson—*Cheese Hoop.*



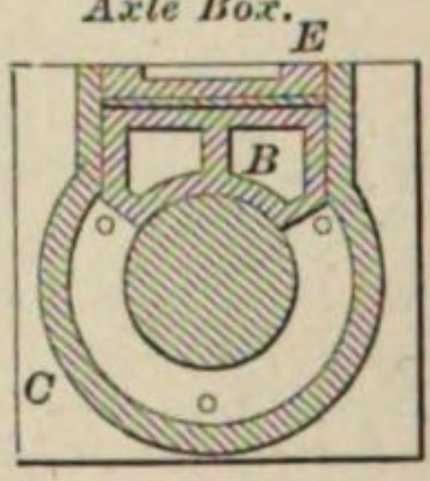
59631—Nottingham & Duncan—*Drill.*



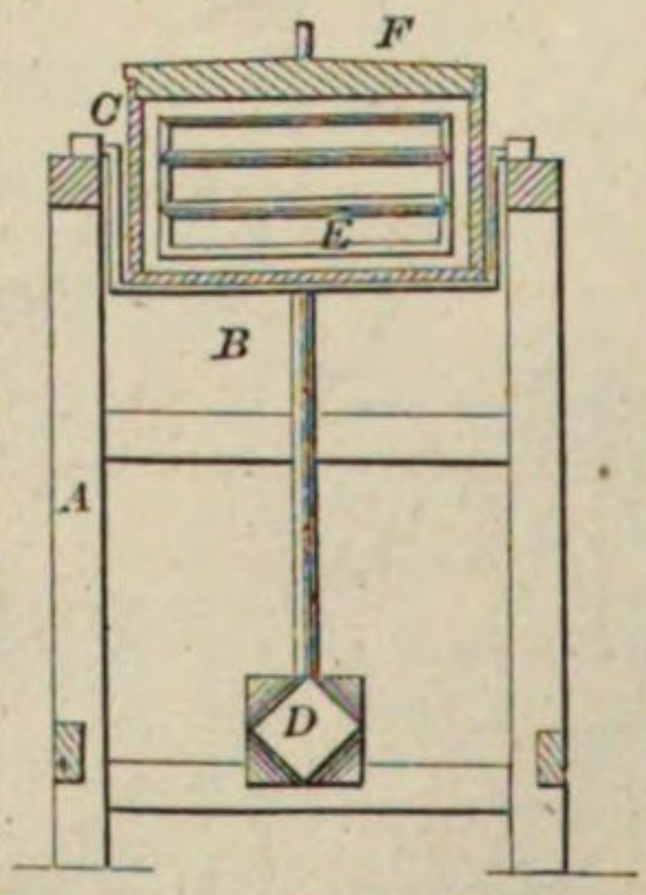
59633—J. K. O'Neil—*Horse Hay Fork.*



59632—C. M. Oliver—*Axle Box.*



59637—J. D. Parrot—*Churn.*



59636—E. A. Palmer—*Cheese Hoop.*

Fig. 3

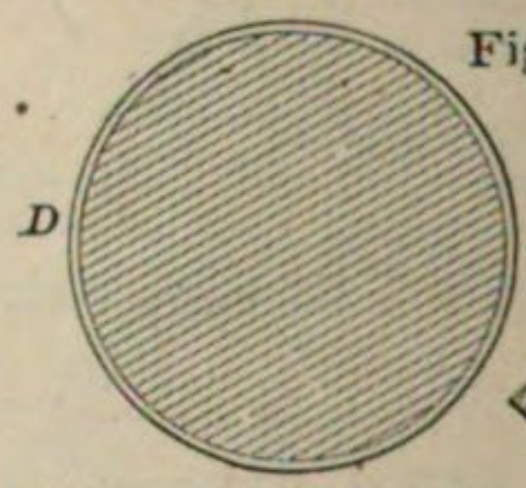
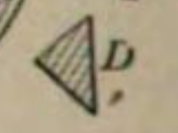


Fig. 4



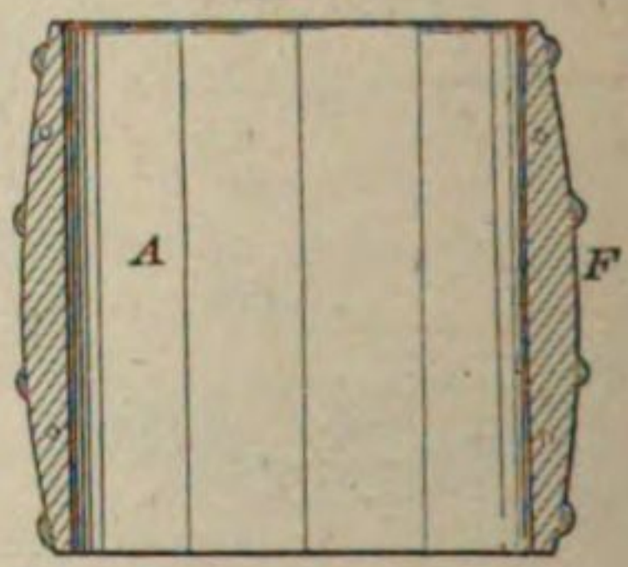
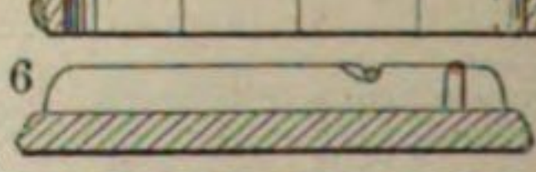
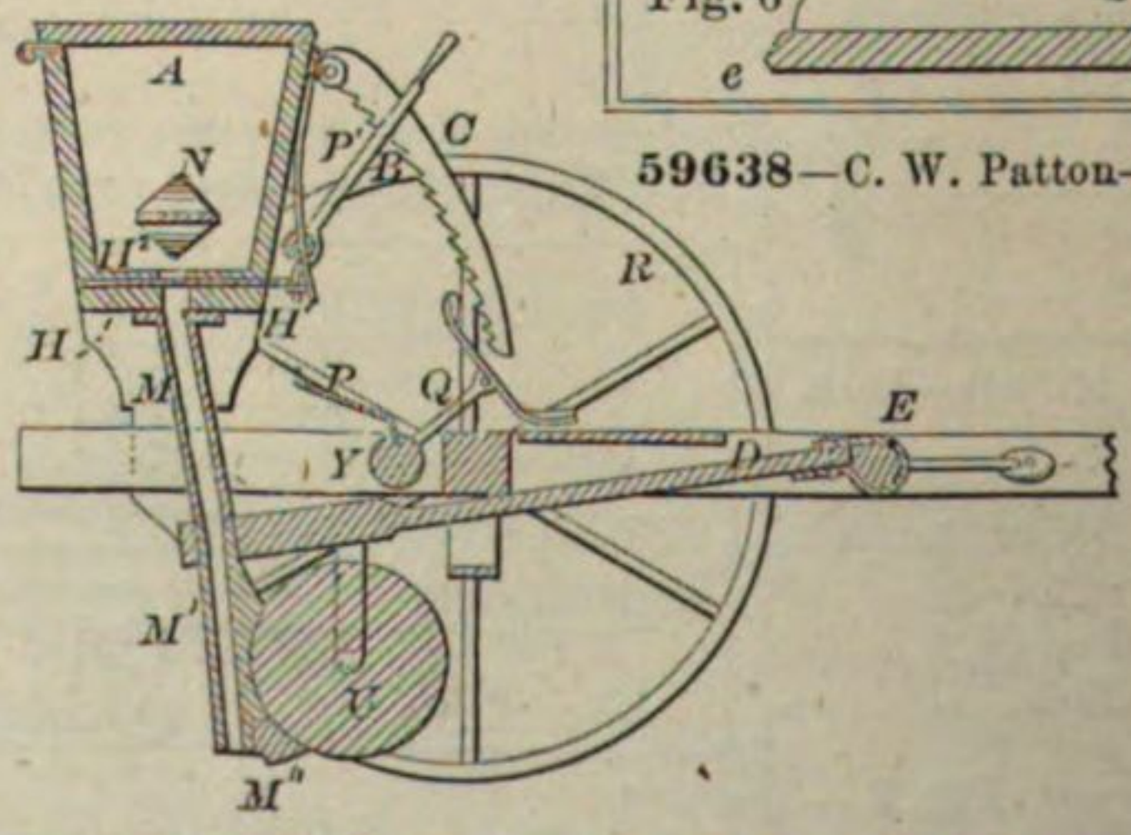


Fig. 6

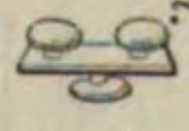


59634—W. M. Owen—*Wrench.*

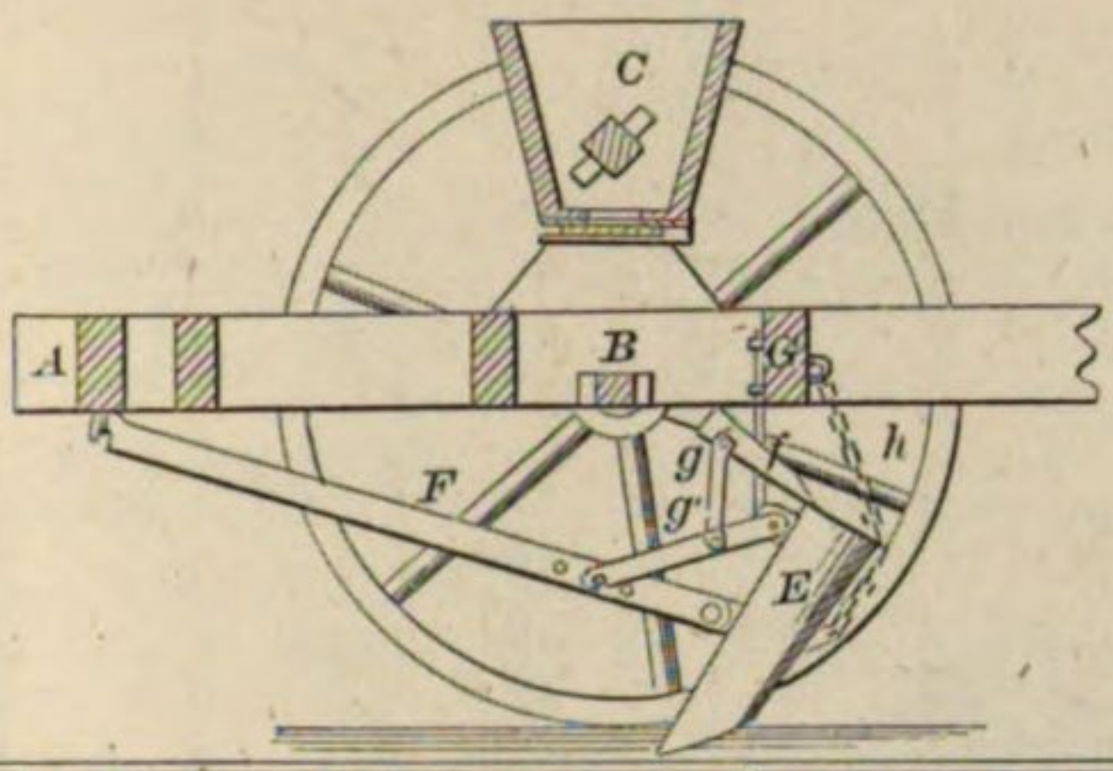
59638—C. W. Patton—*Wheat Drill.*



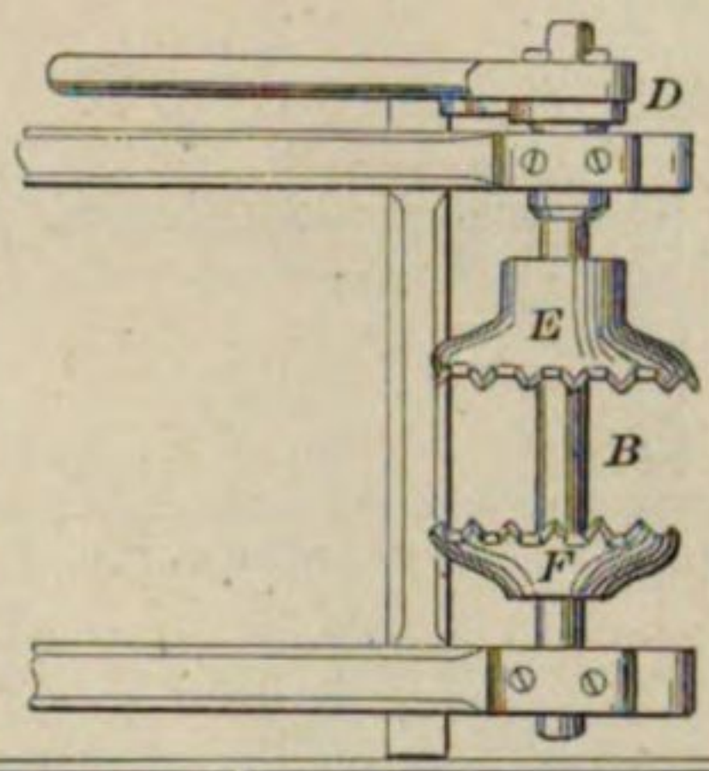
59635—C. Padmore—*Shirt Stud.*



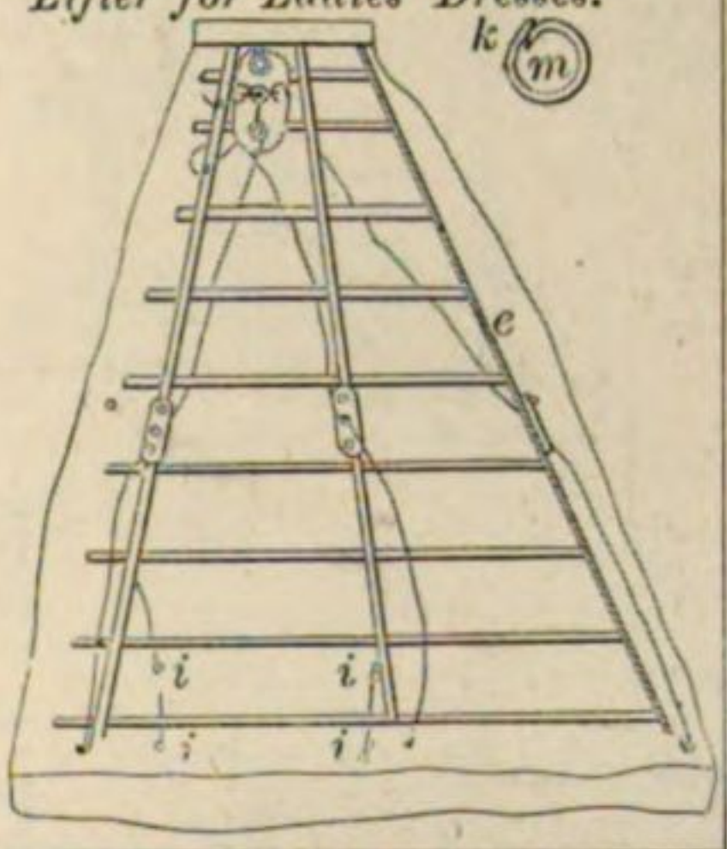
59639—W. P. Penn—*Seeding Machine.*



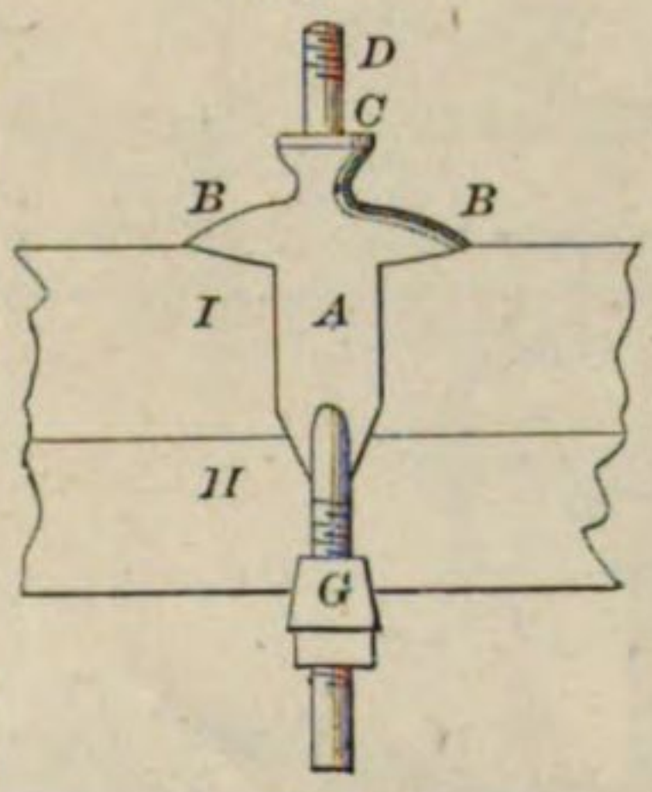
59641—S. Perry—*Sawing Machine.*



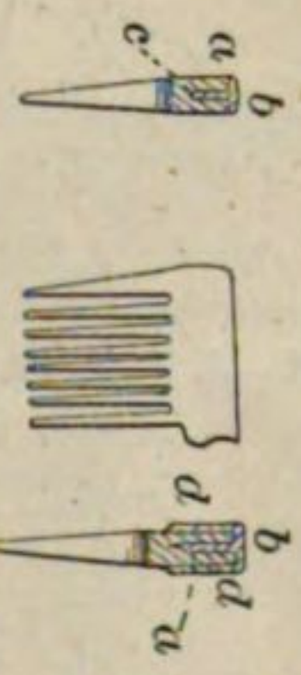
59640—L. C. Pennell—*Skirt Lifter for Ladies' Dresses.*



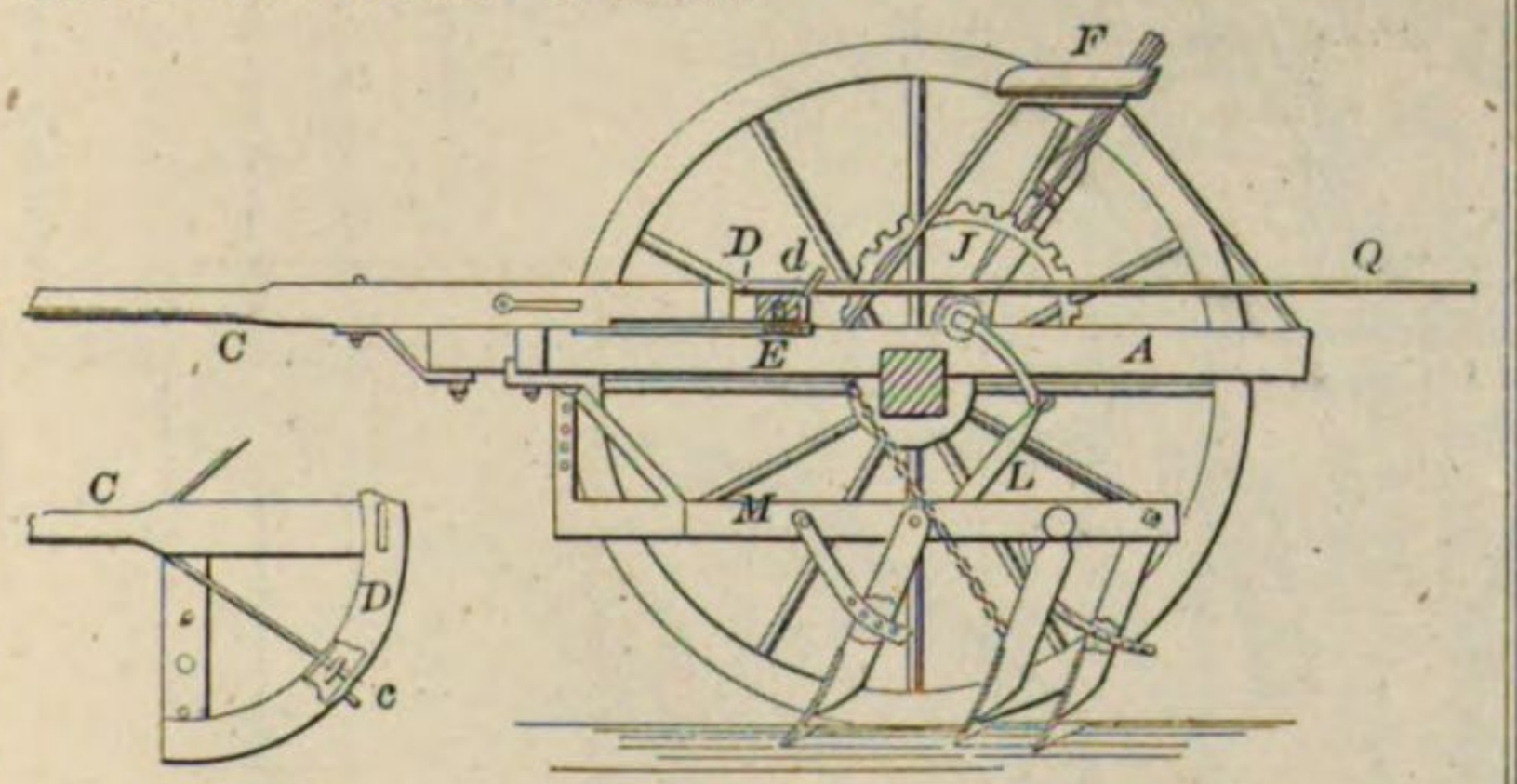
59642—J. Phelps—*Carriage King Bolt.*



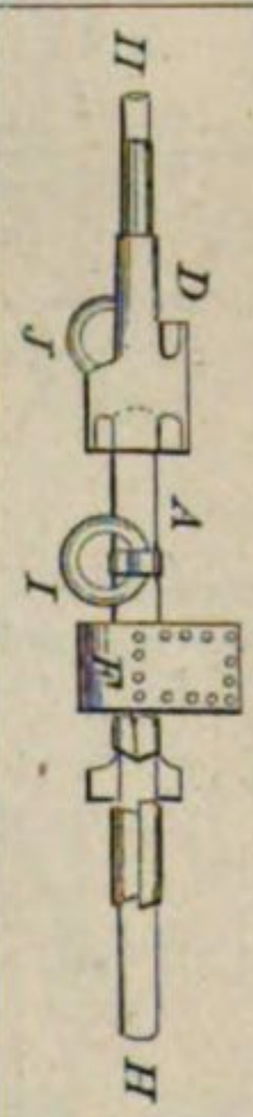
59645—L. Picot—*Comb.*



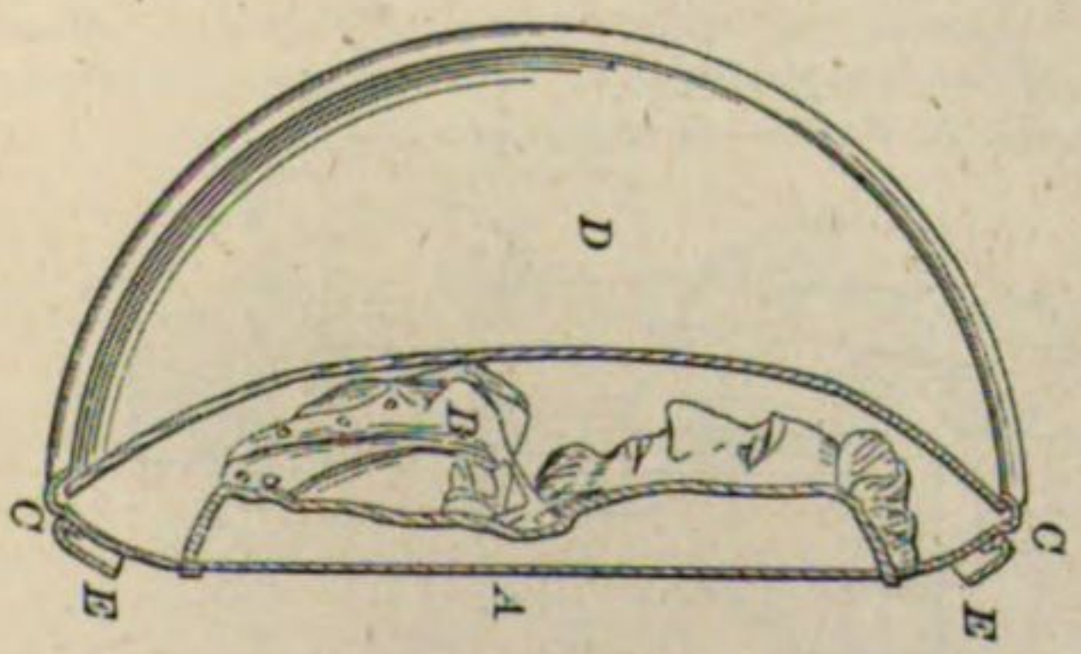
59643—W. W. Philler—*Cultivator.*



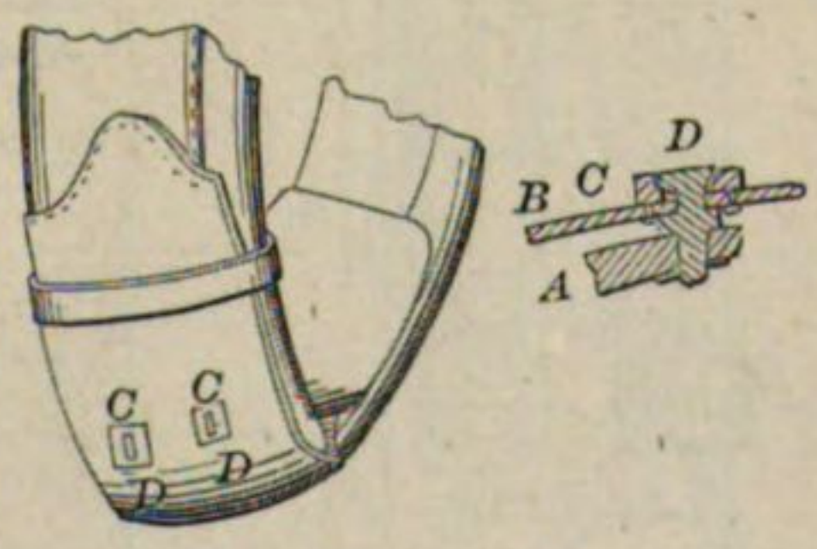
59646—C. W. Powell—*Collar and Neck Tie Attachment.*



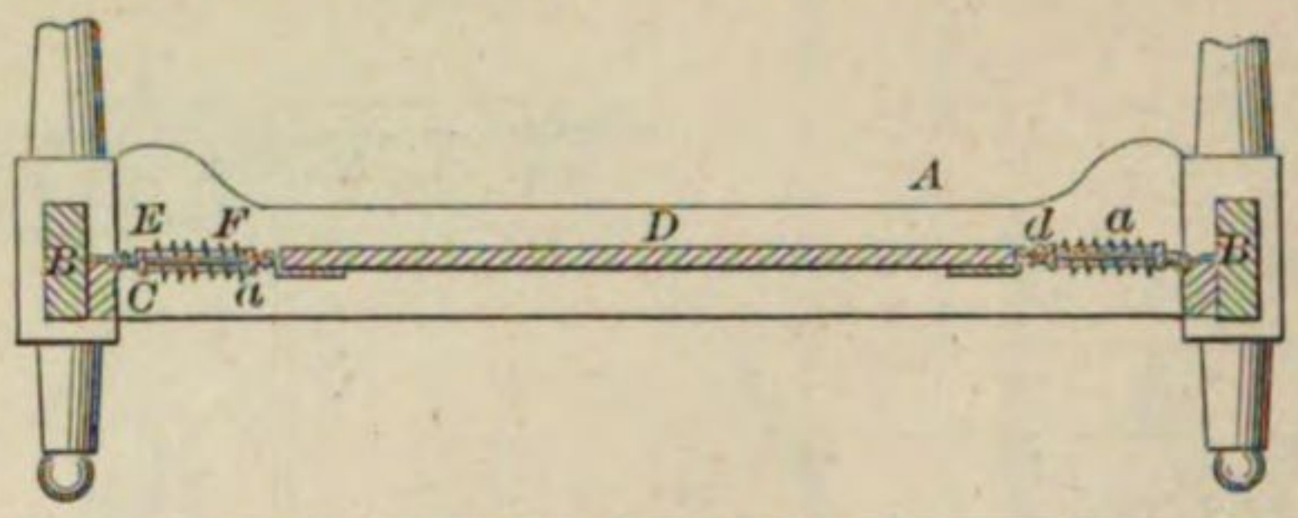
59648—J. Powell—*Medallion Case.*



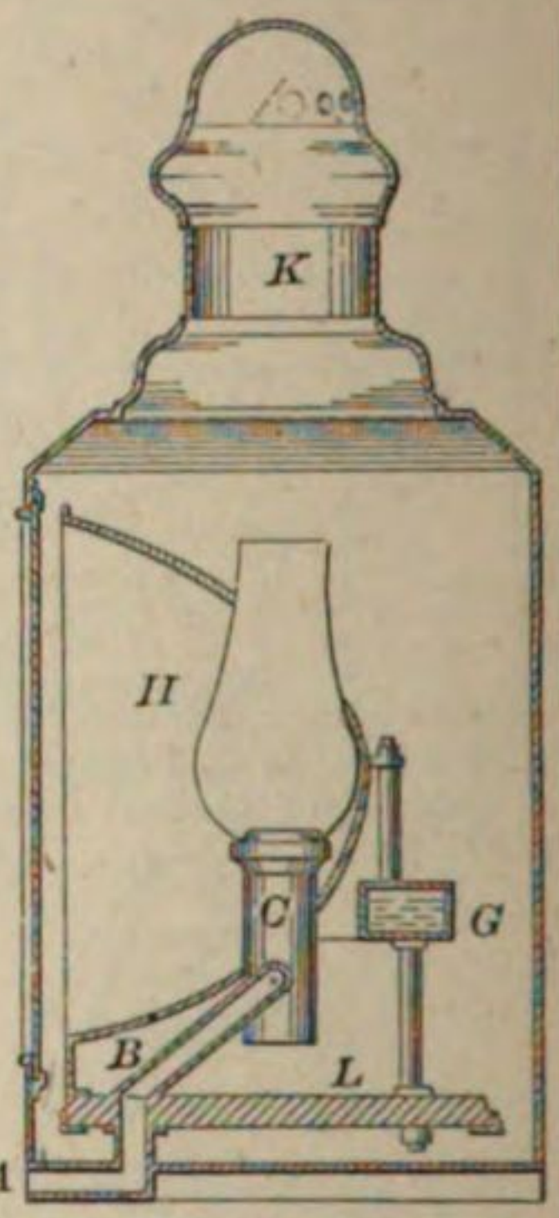
59647—I. A. Powell—*Horse Collar.*



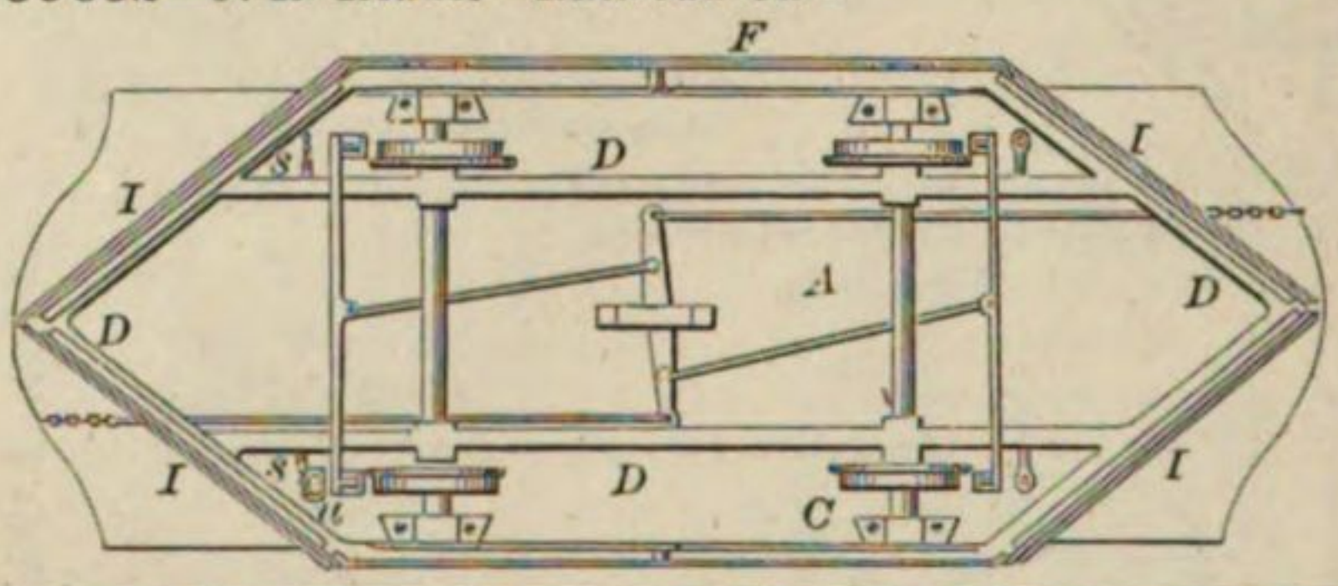
59649—D. Punchies—*Bed Bottom Spring.*



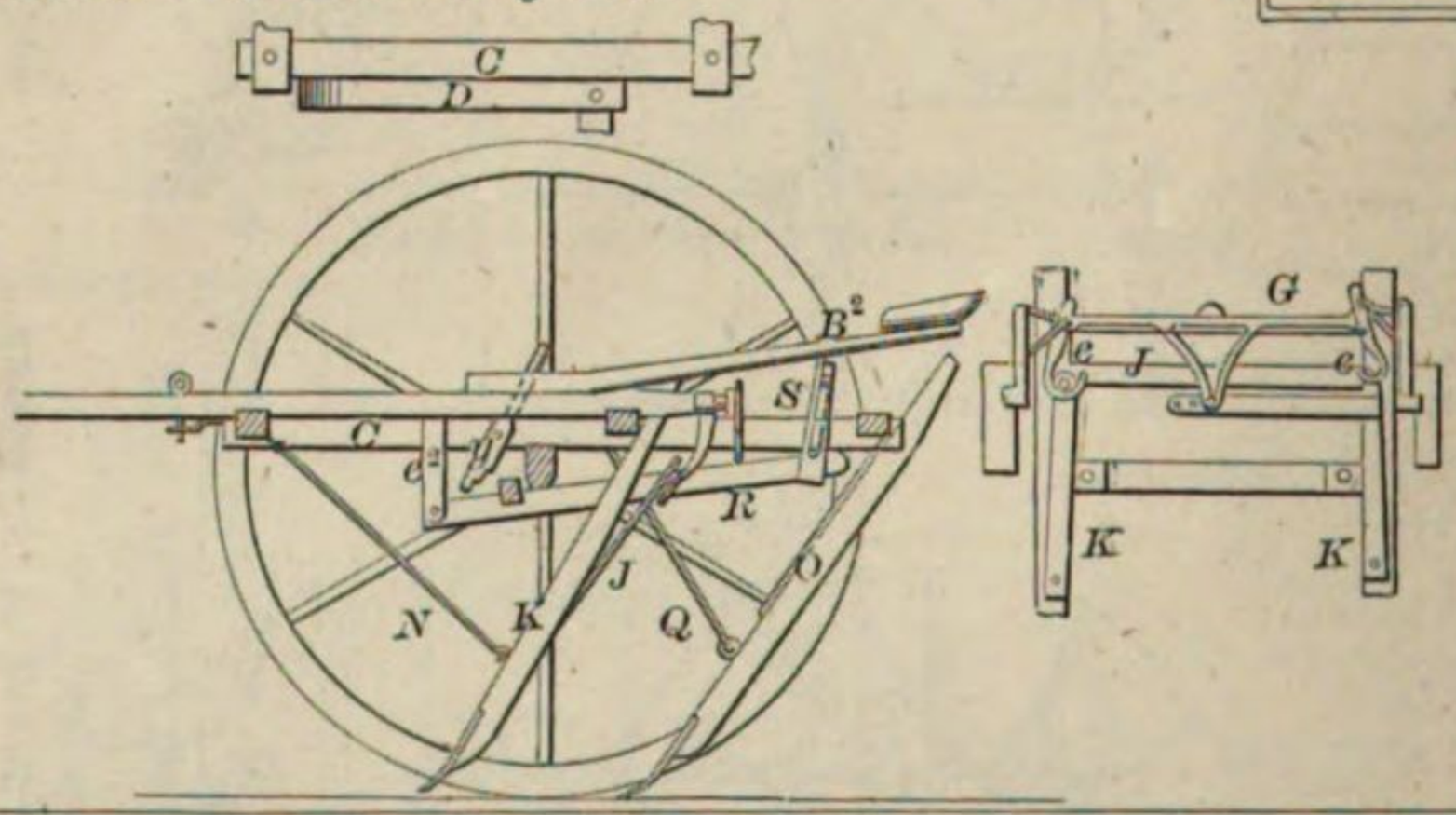
59650—J. Radley—*Locomotive Head Light.*



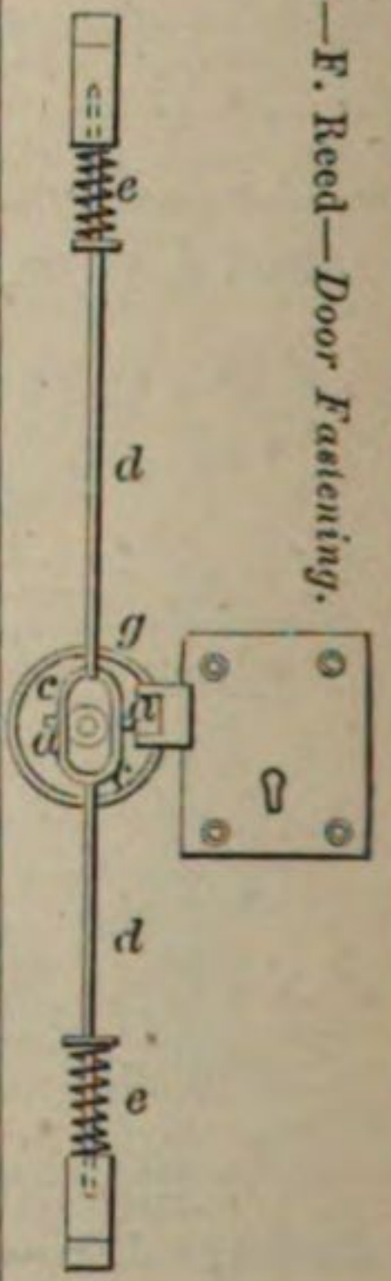
59652—J. R. Reader—*Railroad Car.*



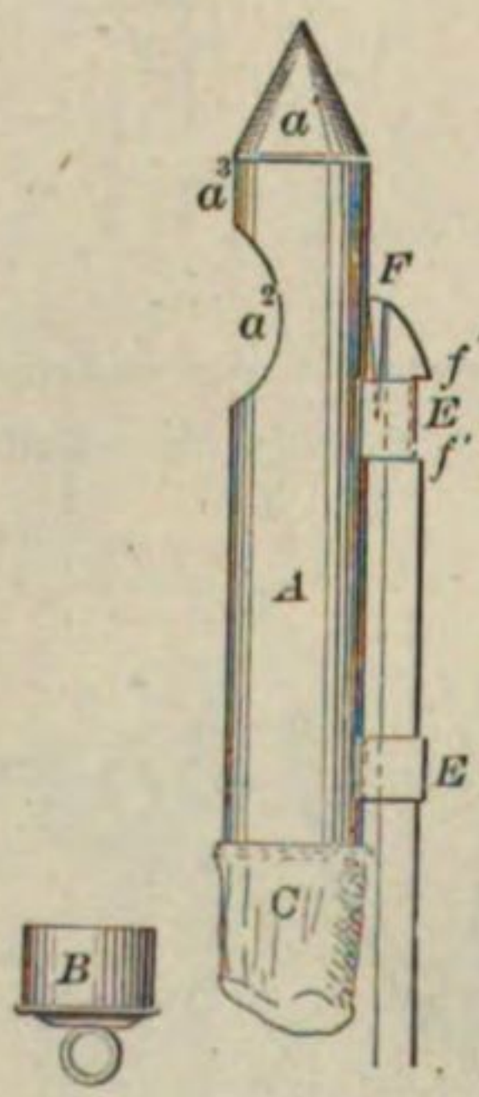
59654—J. J. Reed—*Sulky Plow.*



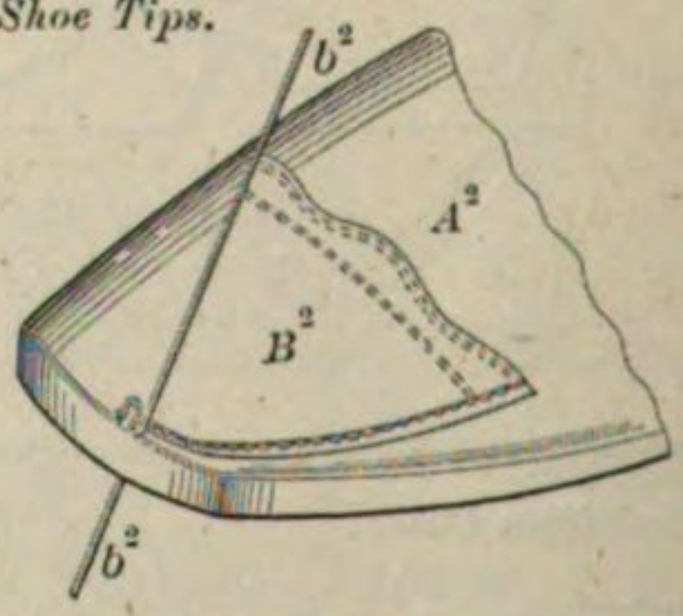
59653—F. Reed—*Door Fastening.*



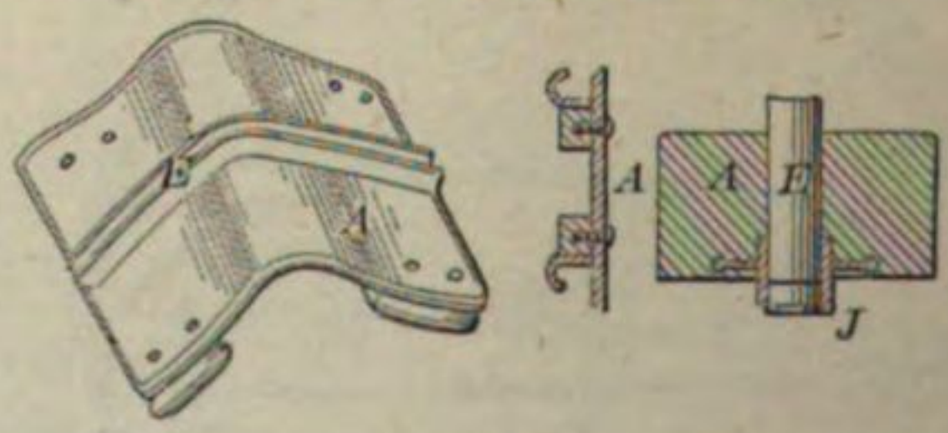
59655—Richards & Lincoln—*Fruit Picker.*



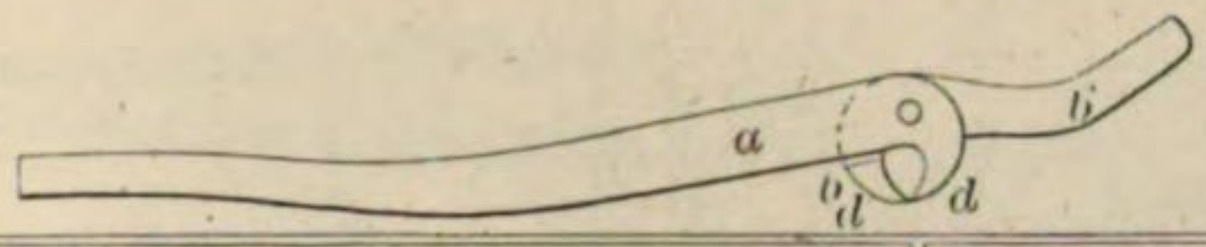
59656—P. Riley—*Securing Shoe Tips.*



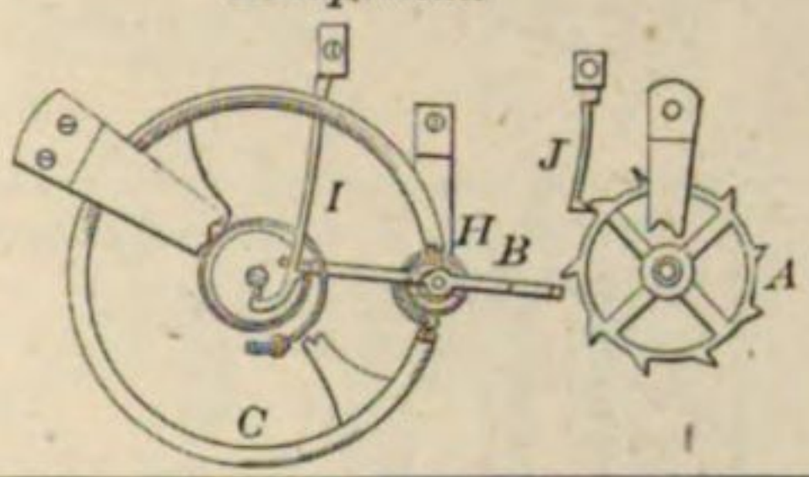
59651—H. A. Rains—*Cart Harness Saddle.*



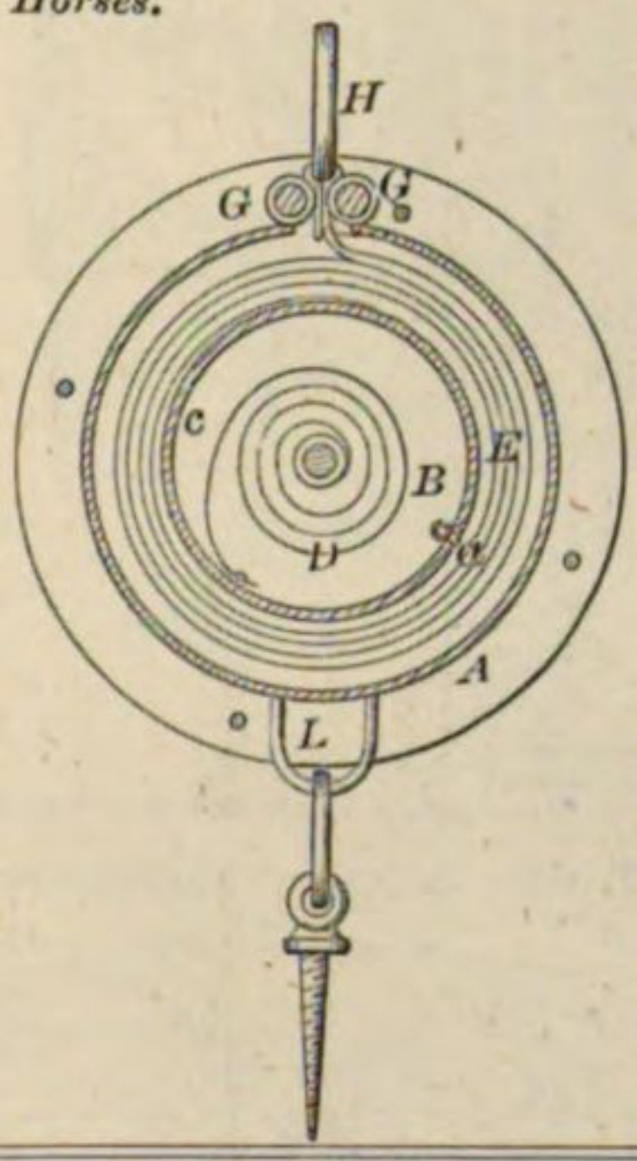
59657—D. T. Robinson—*Tool for Drawing Nails.*



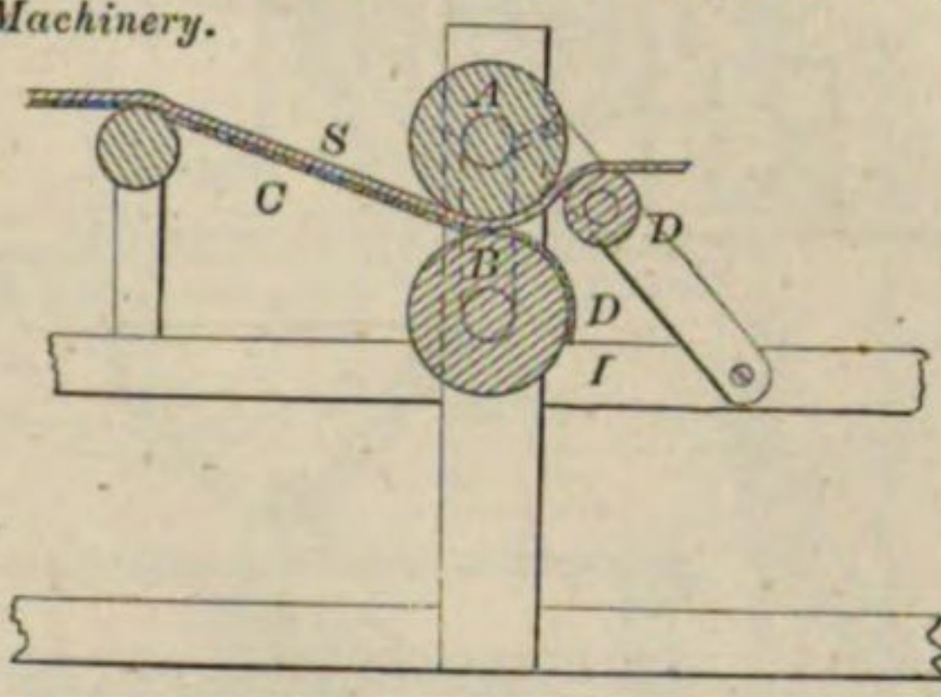
59658—S. W. Robinson—*Time Piece Escapement.*



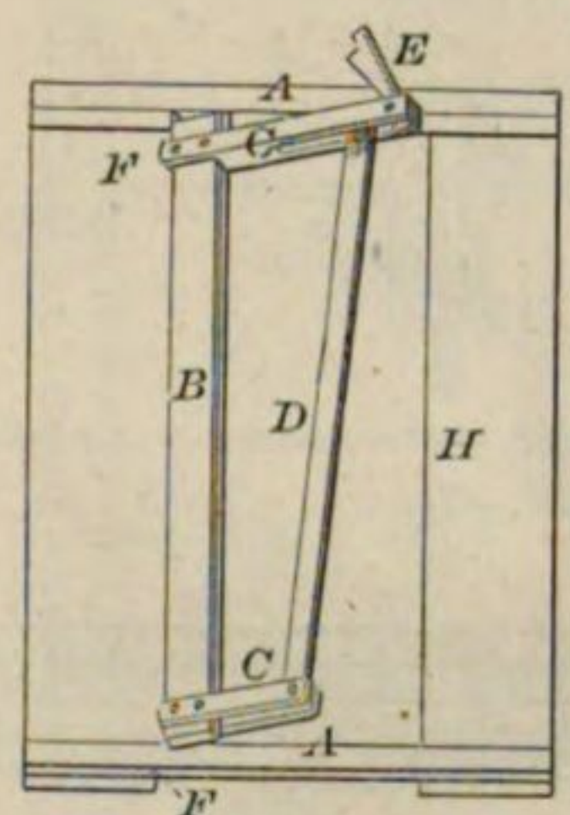
59660—C. Rogers—*For Hitching Horses.*



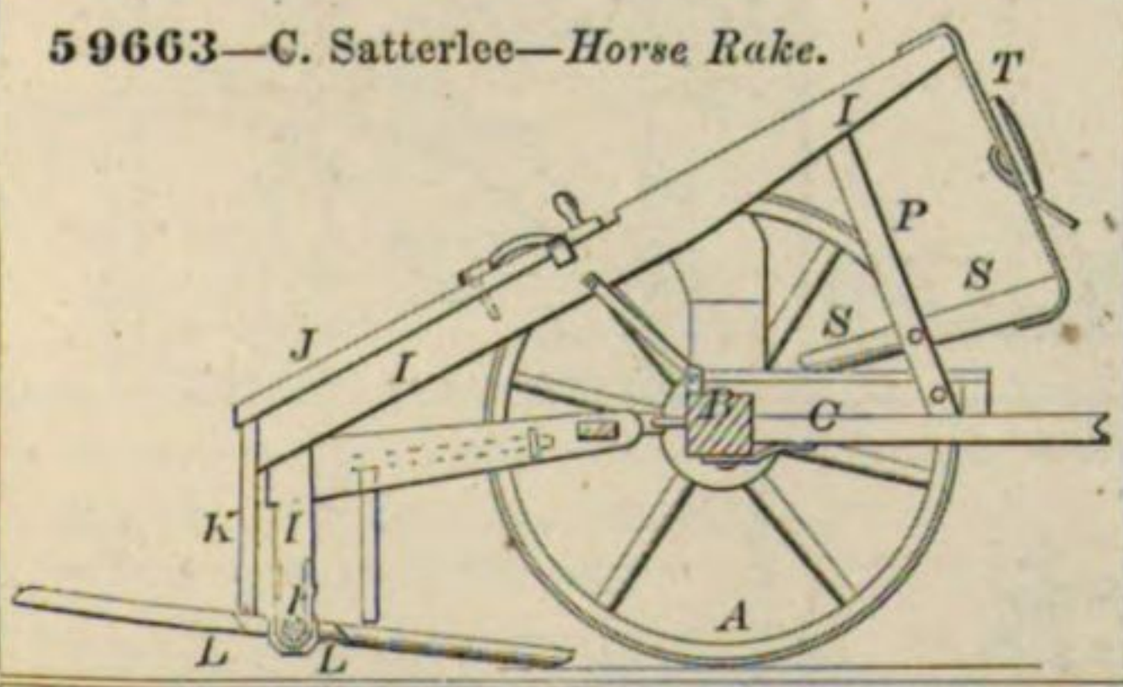
59661—S. G. & G. S. Rogers—*Paper Making Machinery.*



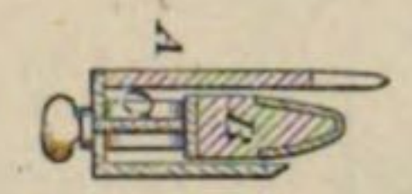
59662—L. S. Safford—*Stanchion.*



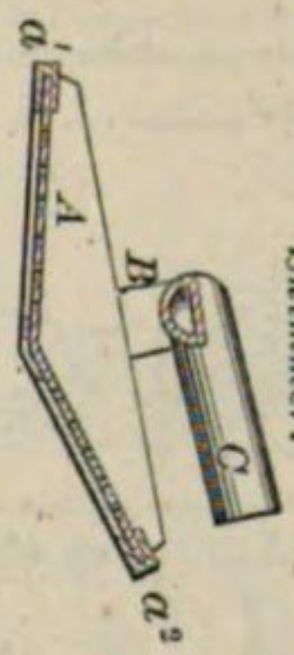
59663—C. Satterlee—*Horse Rake.*



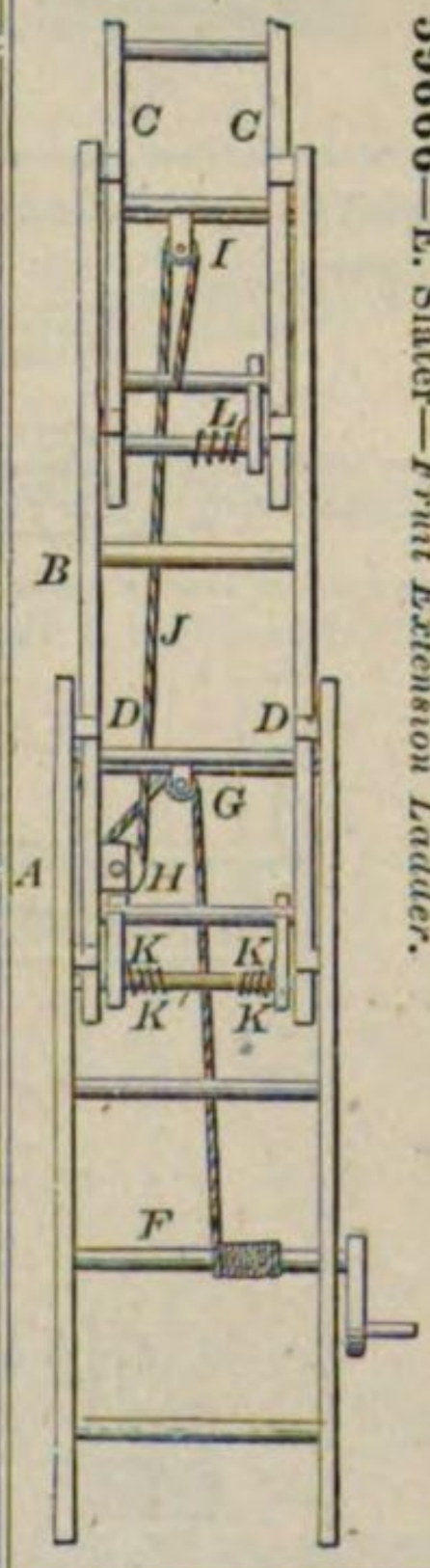
59664—T. Schreiber—*Comb.*



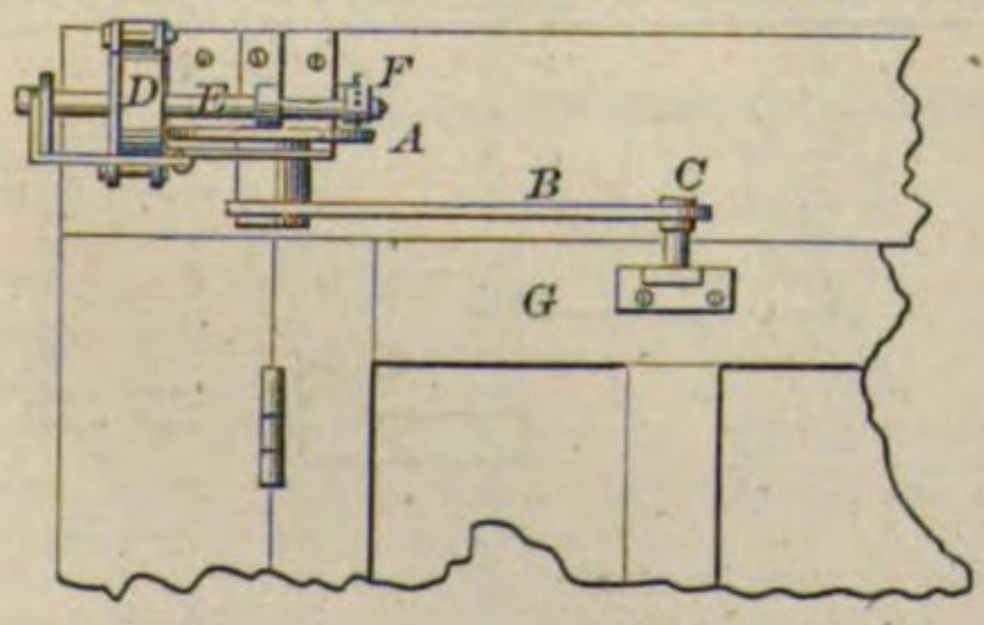
59665—W. B. Seward—*Sorghum Skimmer.*



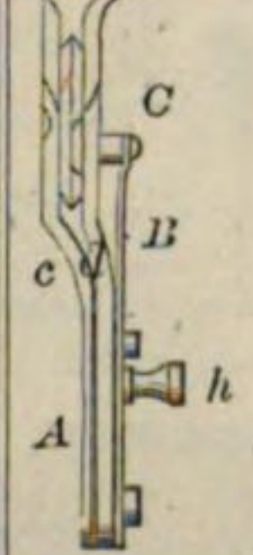
59666—E. Slater—*Fruit Extension Ladder.*



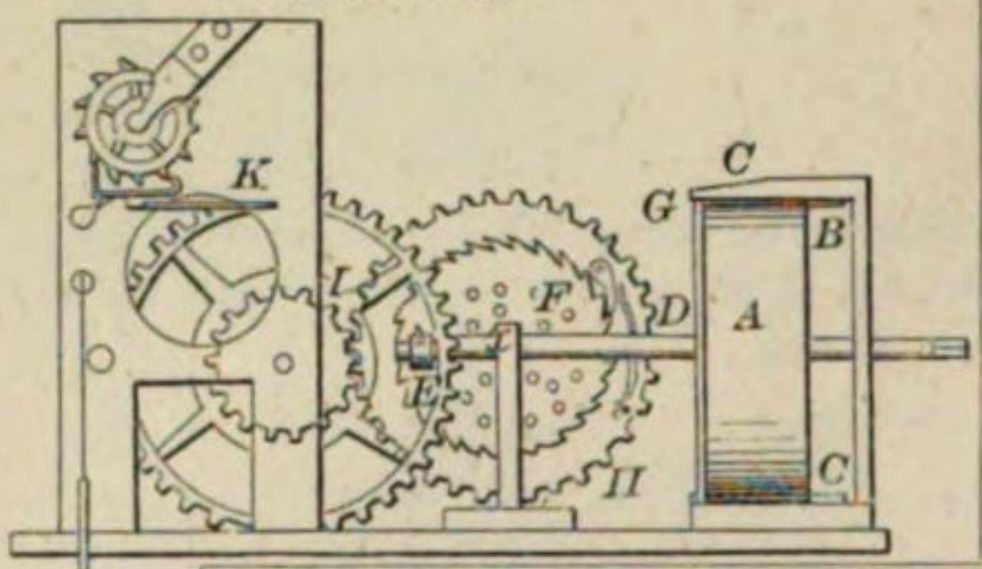
59667—G. K. Coates—*Mechanism for Closing Doors.*



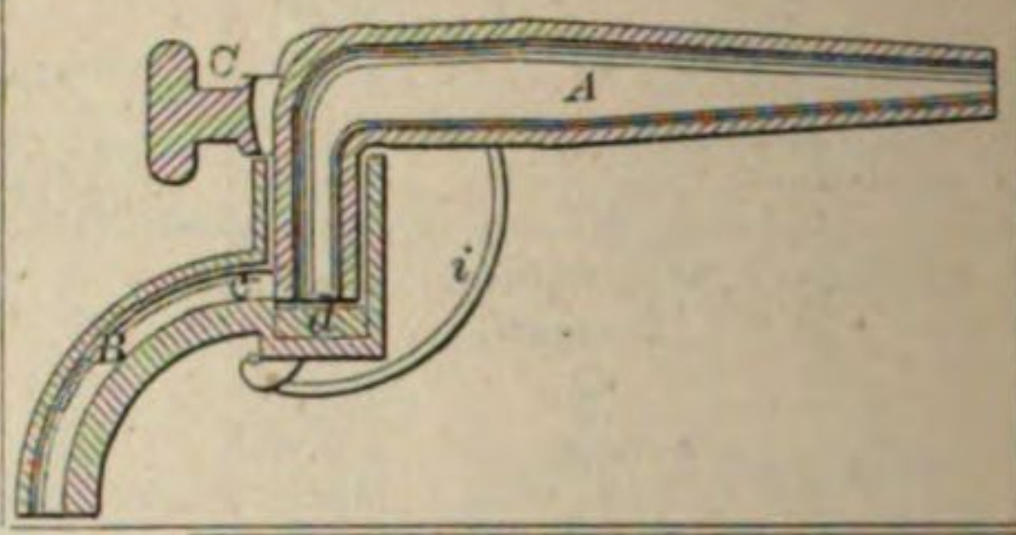
59659—P. Rodier—*Loop Check for Sewing Machines.*



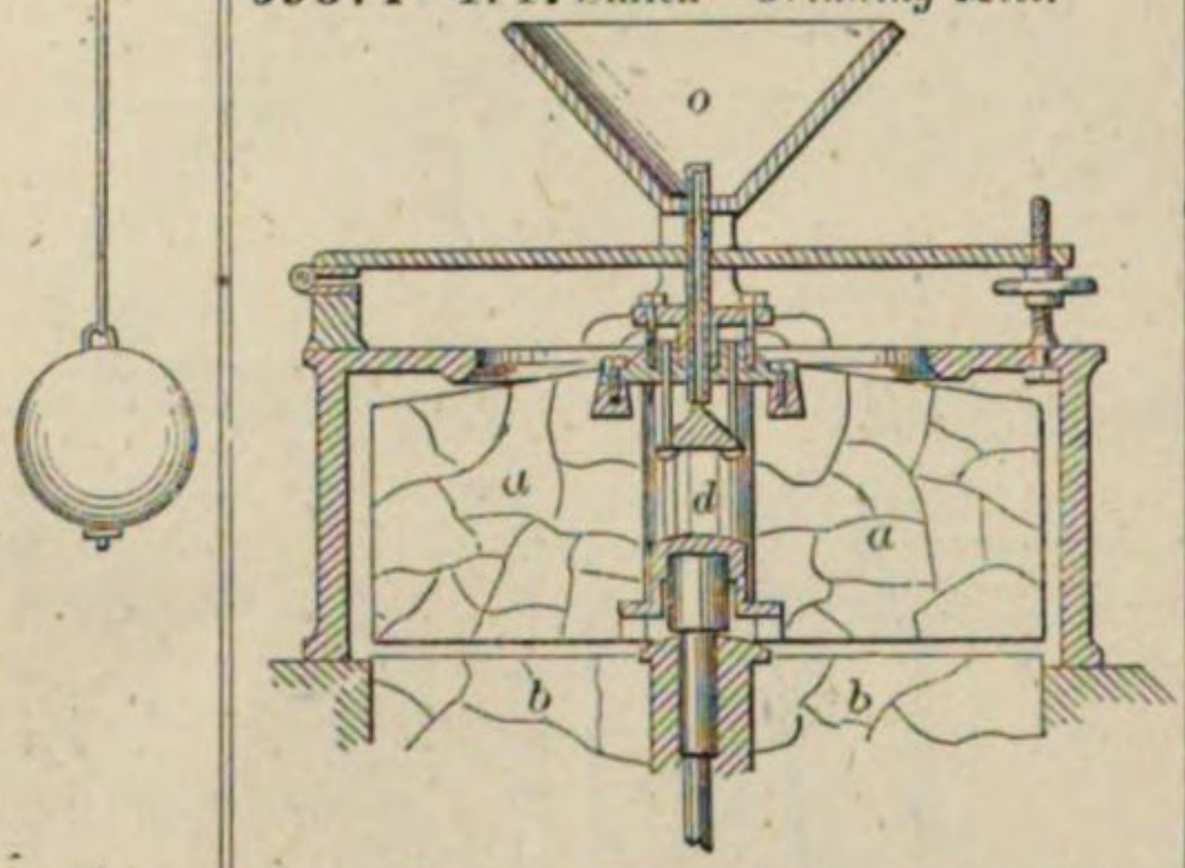
59668—*Equalizing Spring for Clock Movements.*



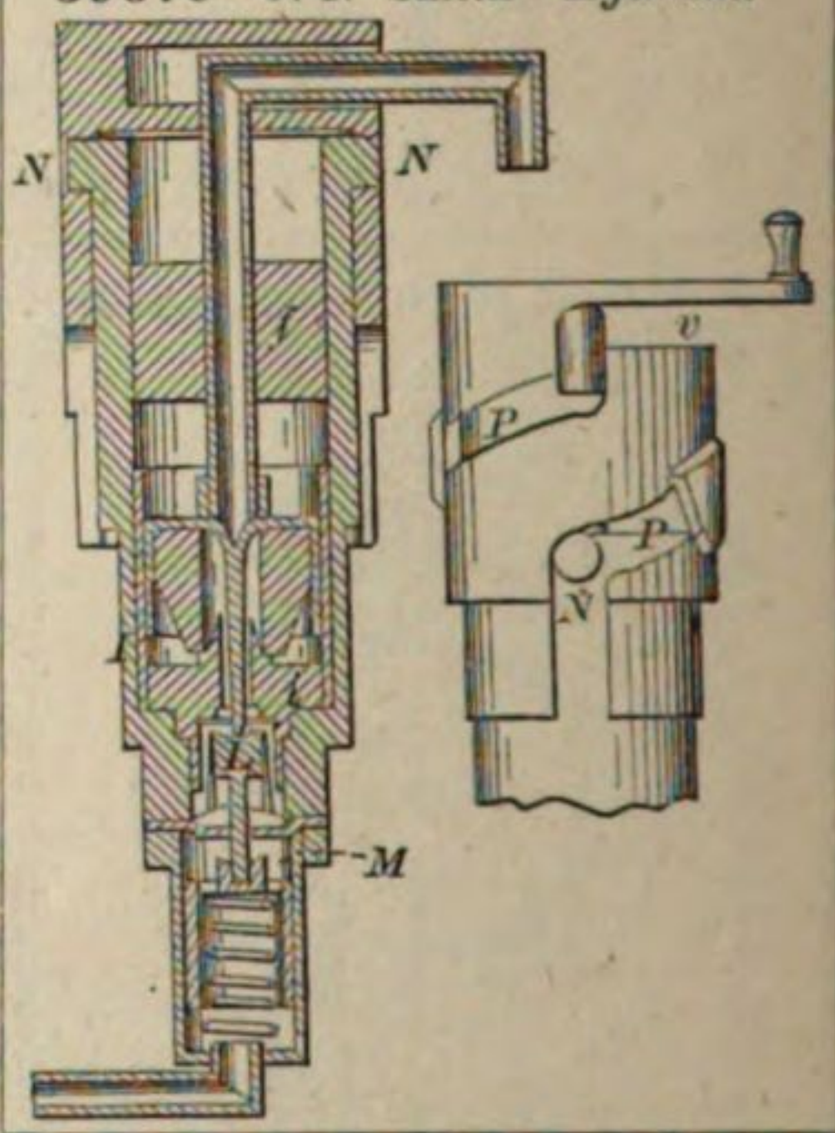
59672—J. N. Smith—*Faucet.*



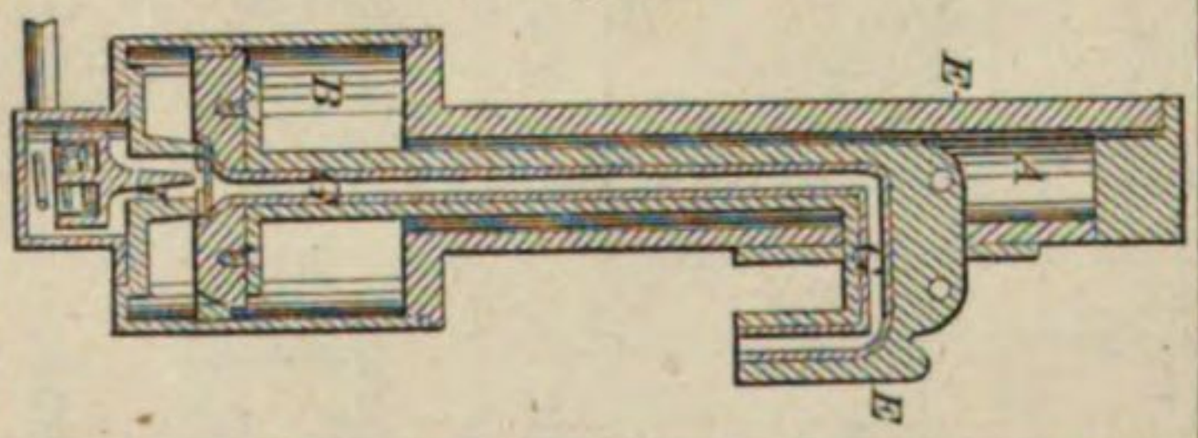
59674—T. F. Smith—*Grinding Mill.*



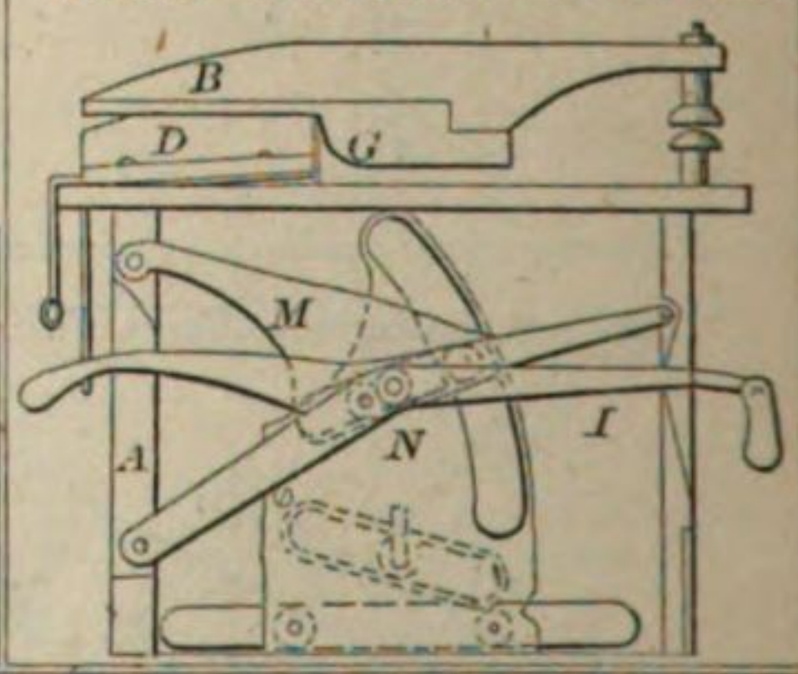
59670—J. N Smith—*Hydrant.*



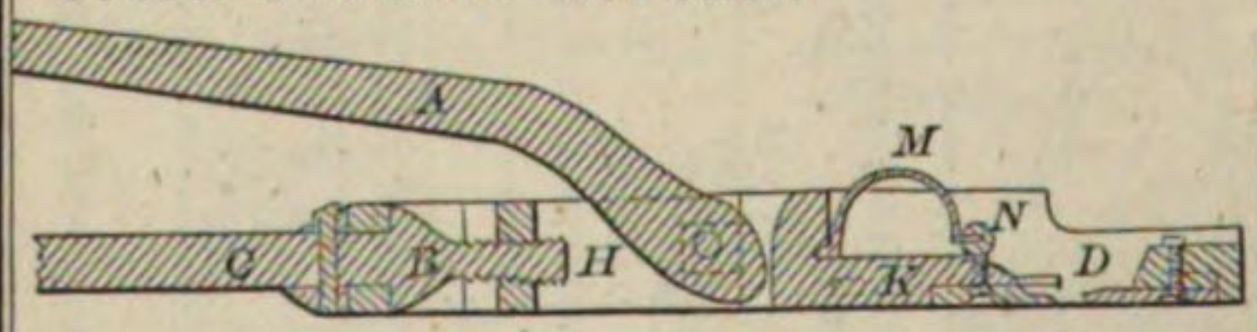
59671—J. N. Smith—*Hydrant.*



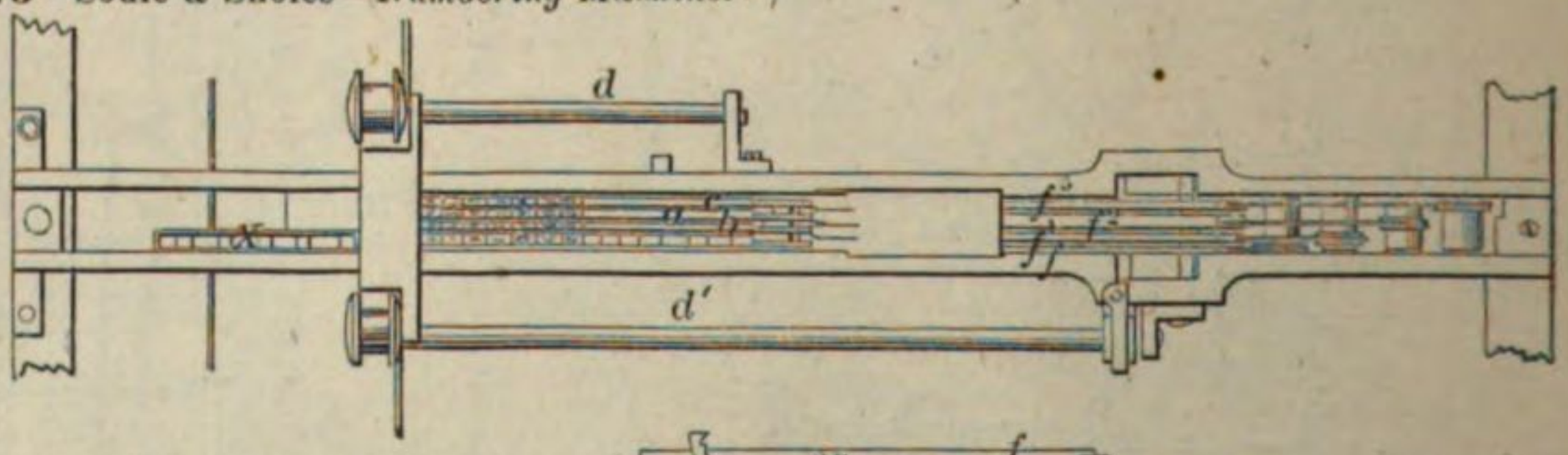
59669—J. N. Smith—*Foot Press.*



59673—A. J. Smith—*Bolt Cutter.*

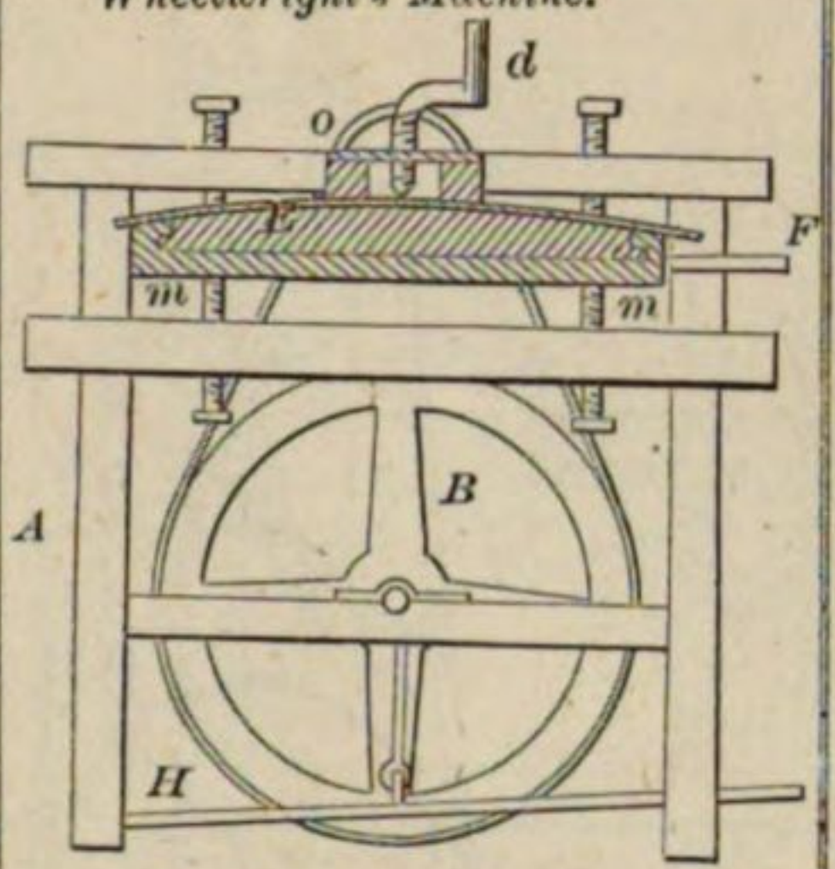


59675—Soule & Sholes—*Numbering Machine.*

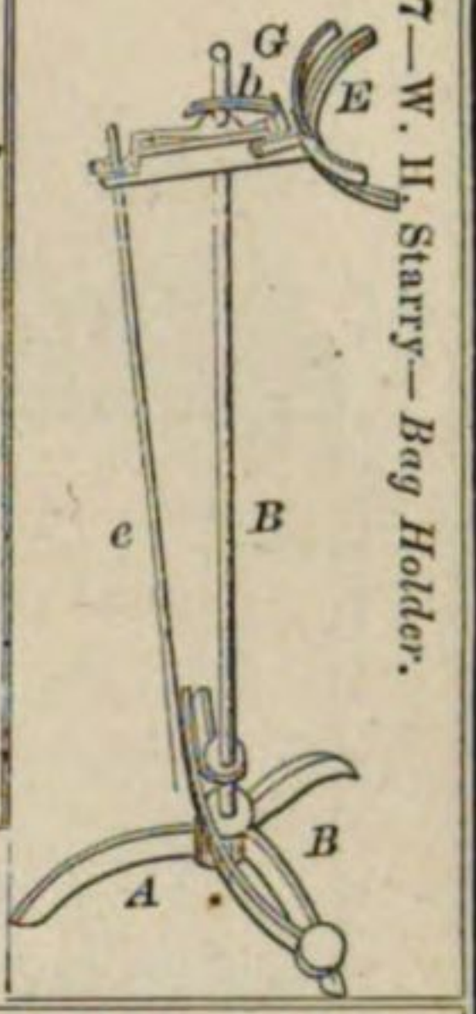


59676—C. W. Stafford—*Ore Crusher.*

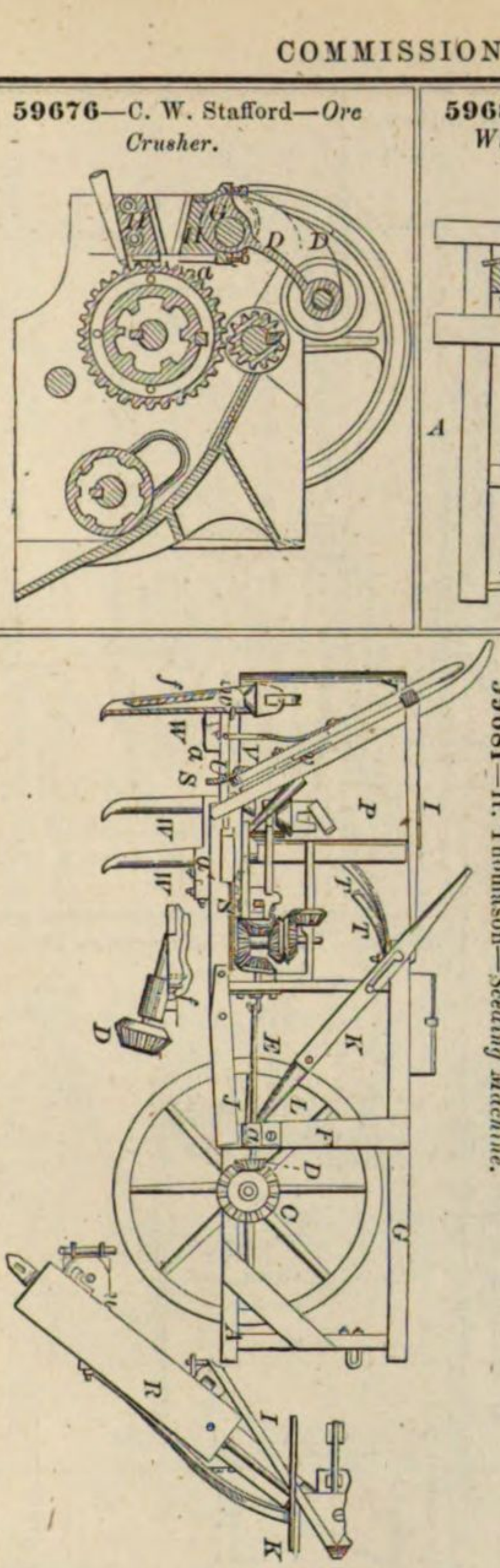
59683—D. S. Trout—*Wheelwright's Machine.*



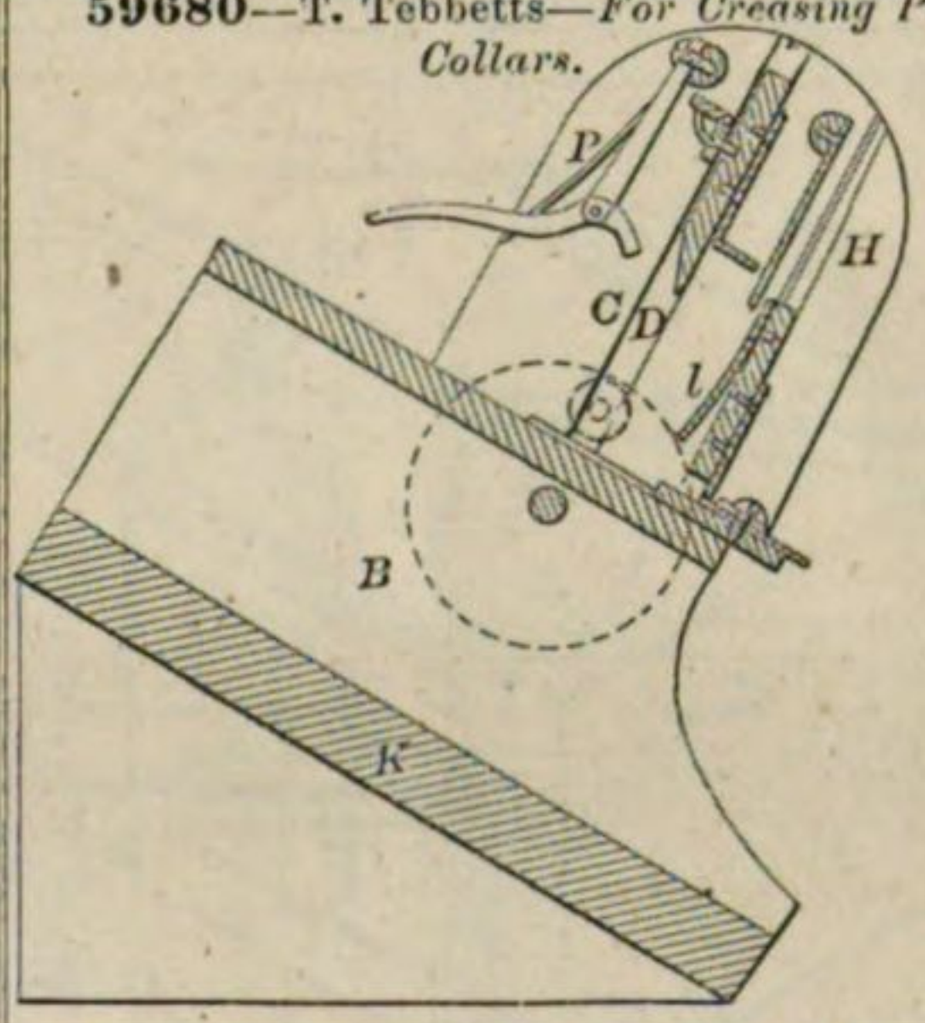
59677—W. H. Starry—*Bag Holder.*



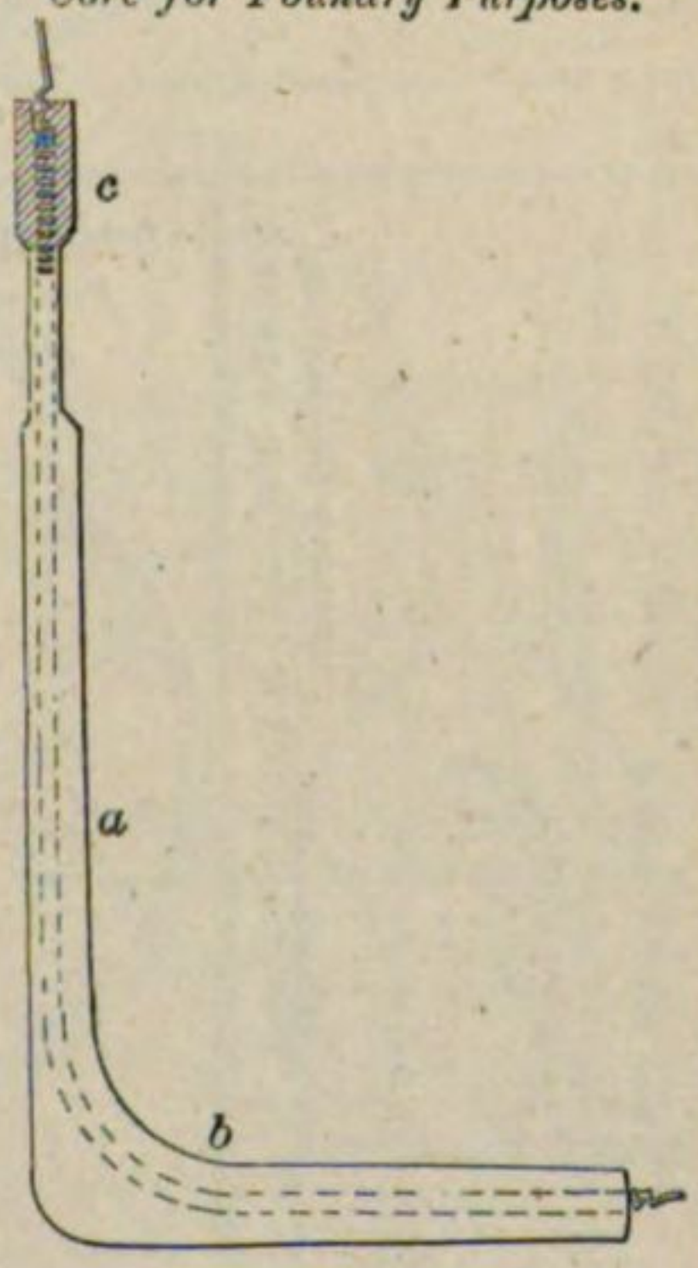
59681—H. Thomason—*Seeding Machine.*



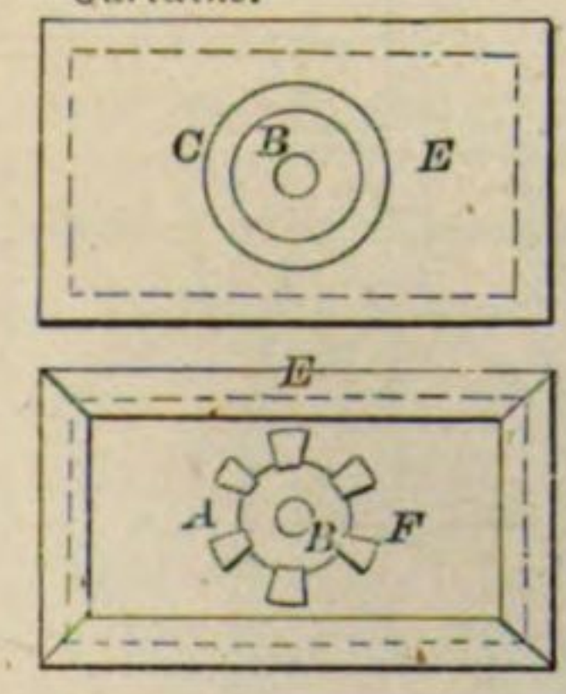
59680—T. Tebbetts—*For Creasing Paper Collars.*



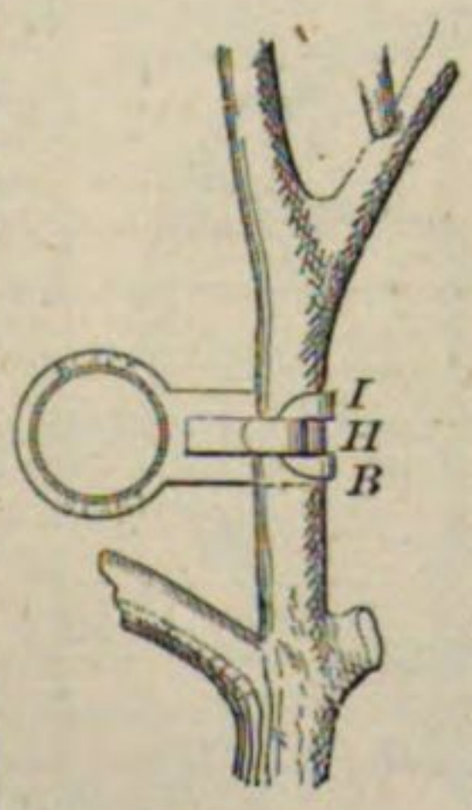
59684—H. Tucker—*Venting Core for Foundry Purposes.*



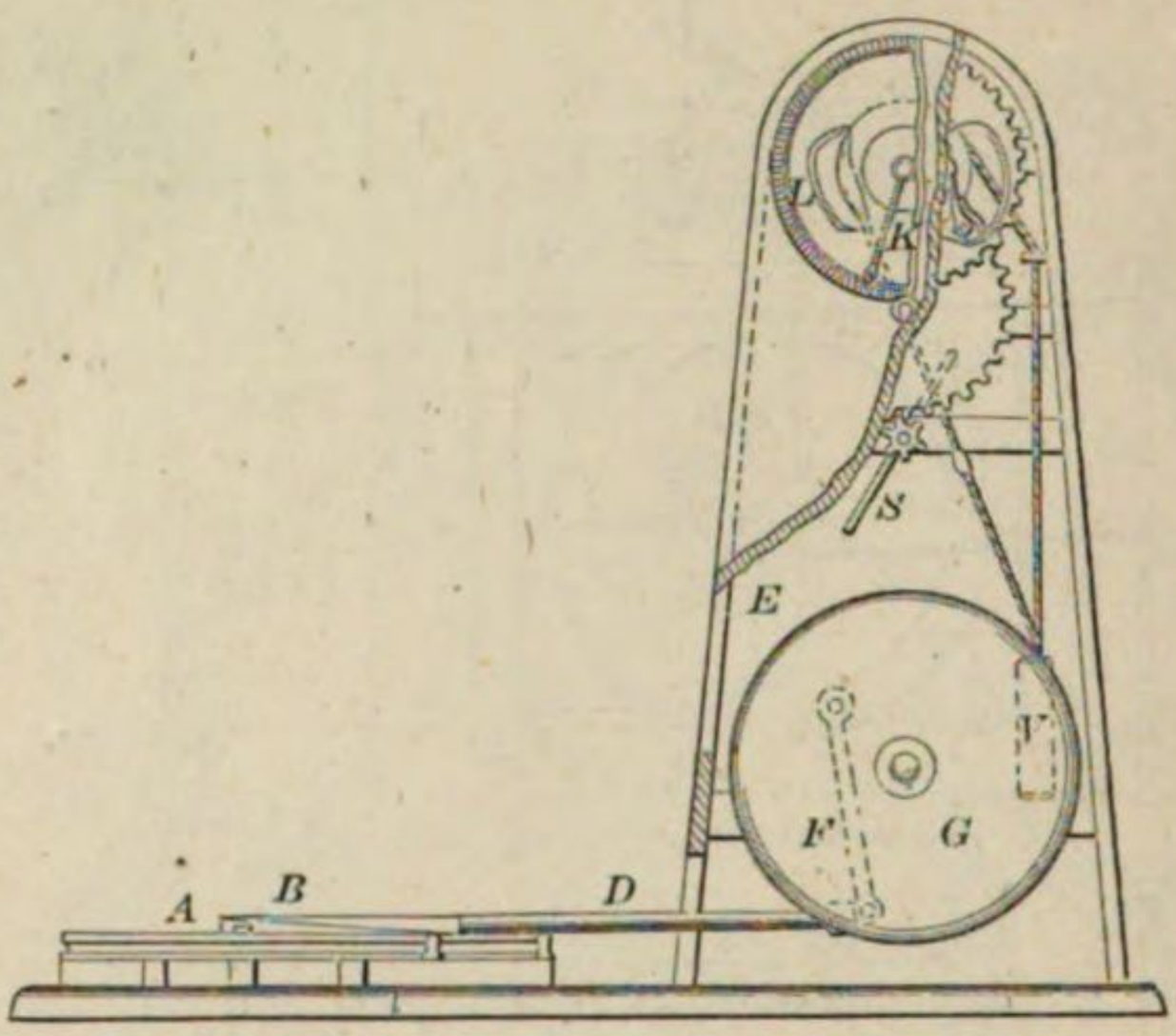
59679—S. C. Talcott—*Elastic Button Hole for Carriage Curtains.*



59678—G. W. Storer—*Tag or Label.*



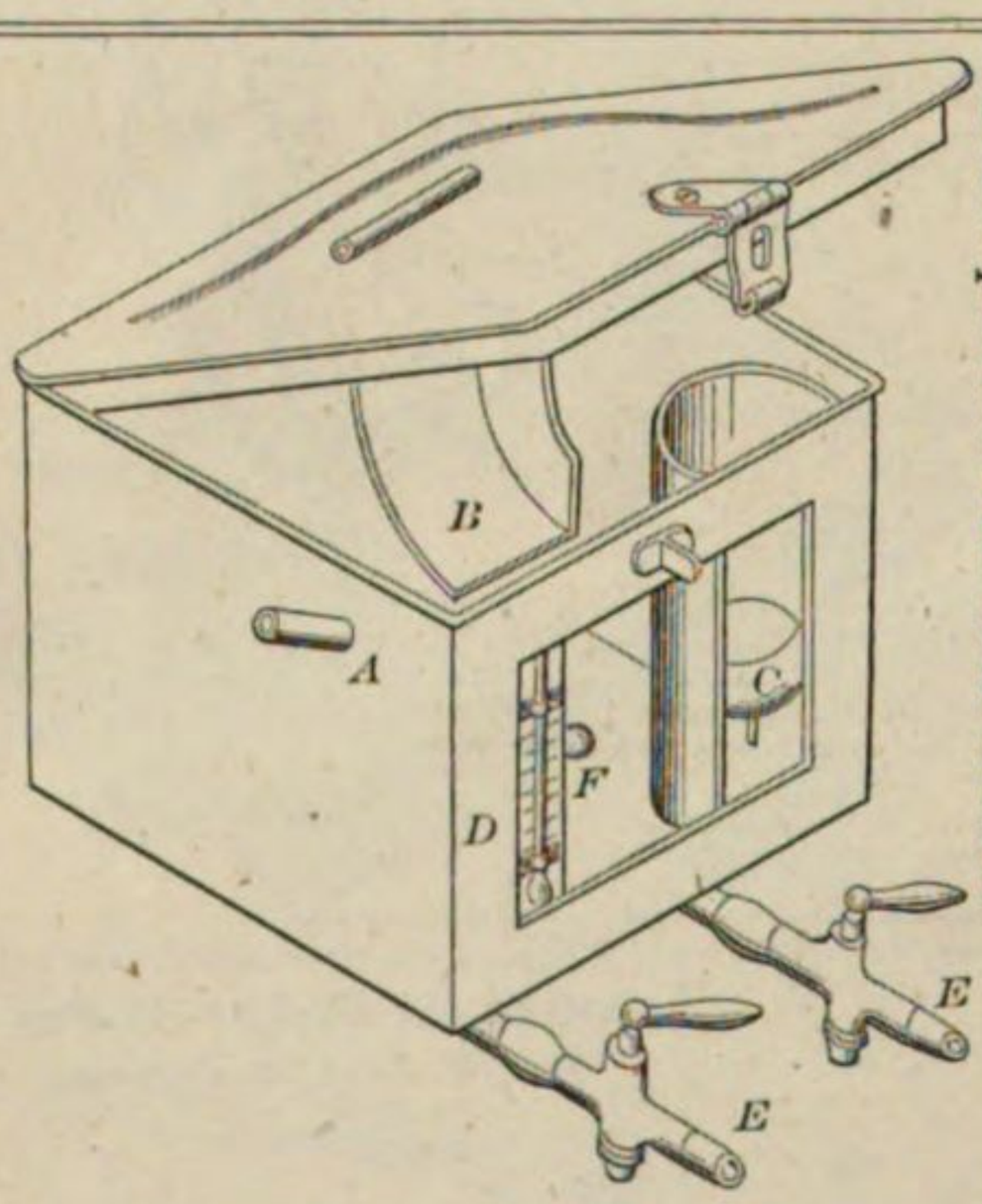
59685—E. B. Van Winkle—*Station Indicator for Railways.*



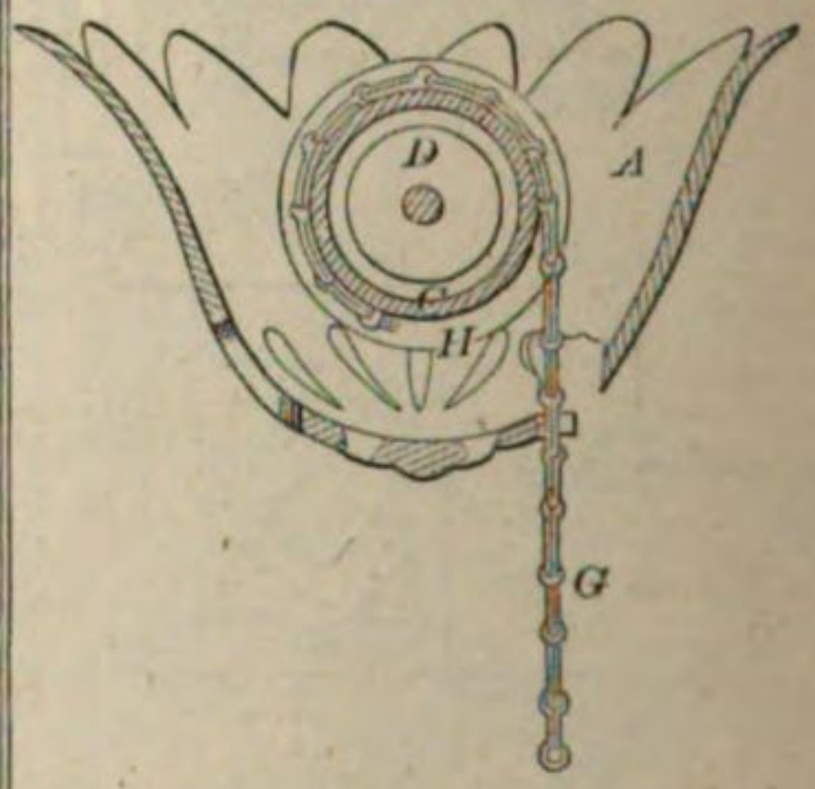
59686—A. W. Von Schmidt—*Steam Propeller for Boats.*

59687—Waldstein & Fausky—*Vessel for Cooling Liquids.*

59688—W. J. Walker—*Apparatus to be attached to Stills to prevent Frauds on the Revenue.*



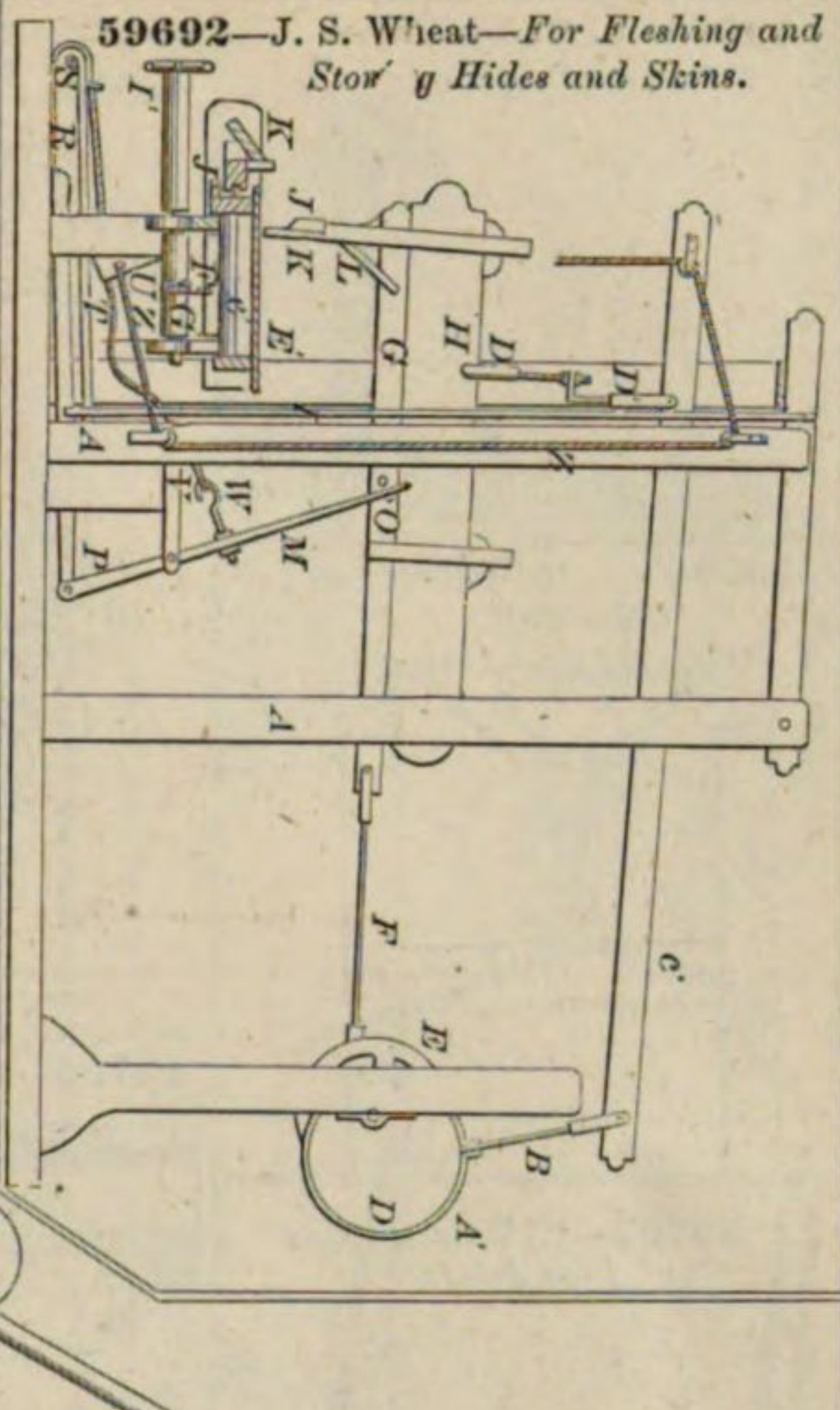
59689—H. Weed—*Suspension Device for Lamps, &c.*



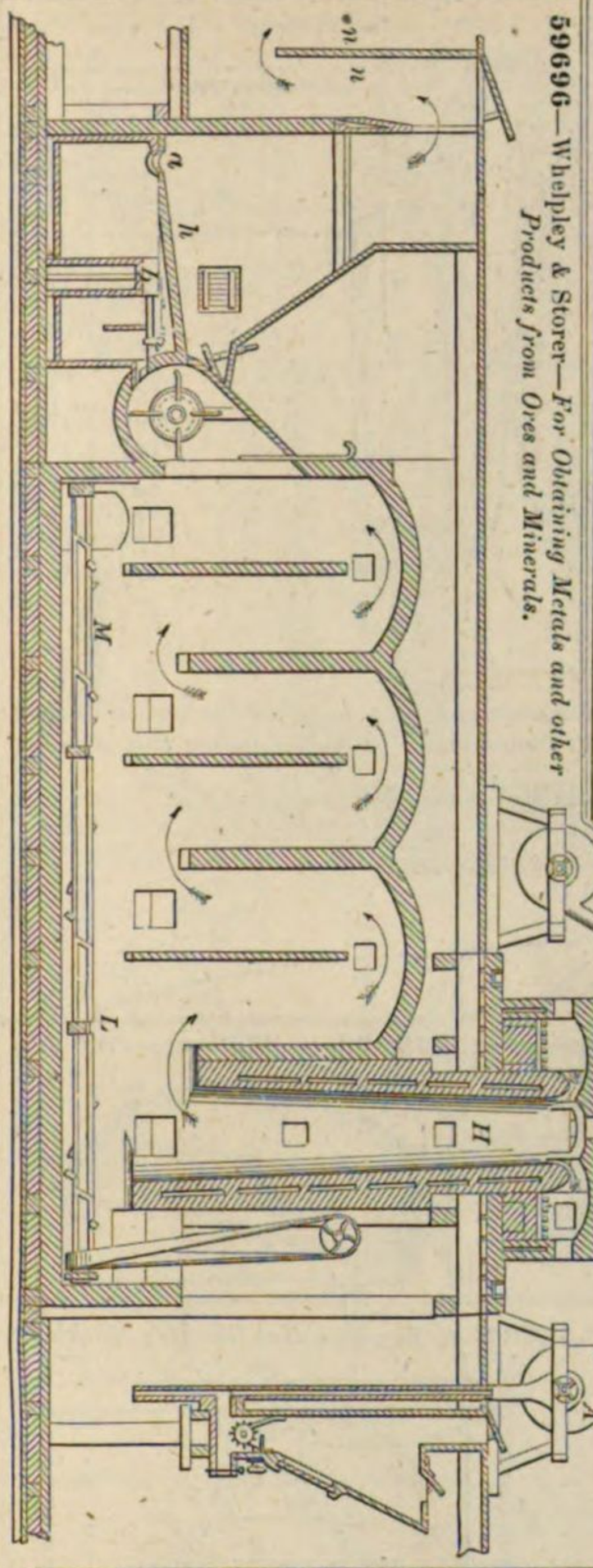
59690—D. Wernz—*For Preserving Beer while on Draught.*

59691—H. P. Westcott—*Churn.*

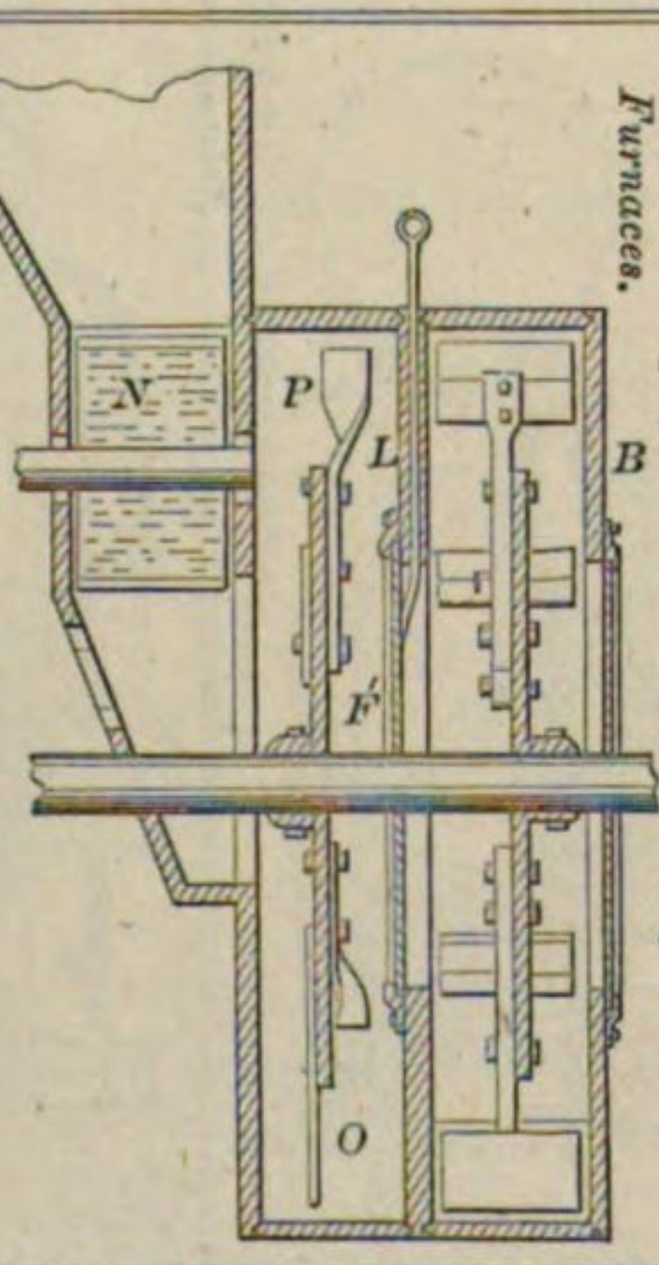
59692—J. S. Wheat—*For Fleshing and Stowing Hides and Skins.*



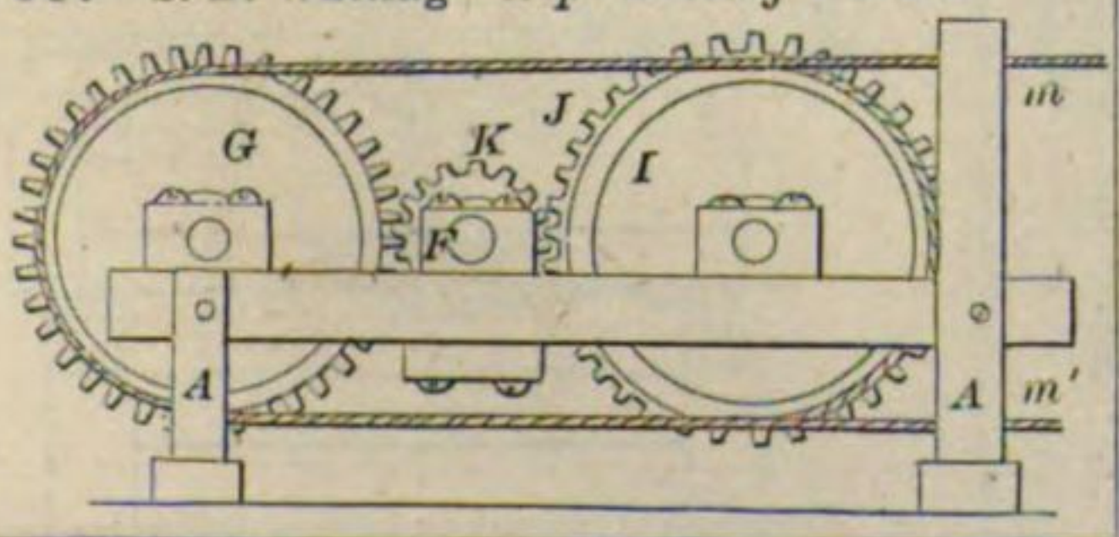
59696—Whelpley & Storer—*For Obtaining Metals and other Products from Ores and Mineral.*



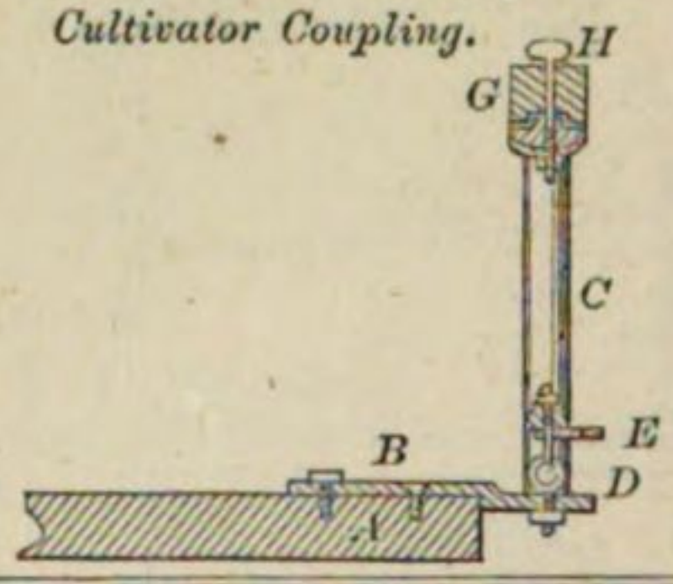
59685—Whelpley & Storer—*For Feeding Fuel to Furnaces.*



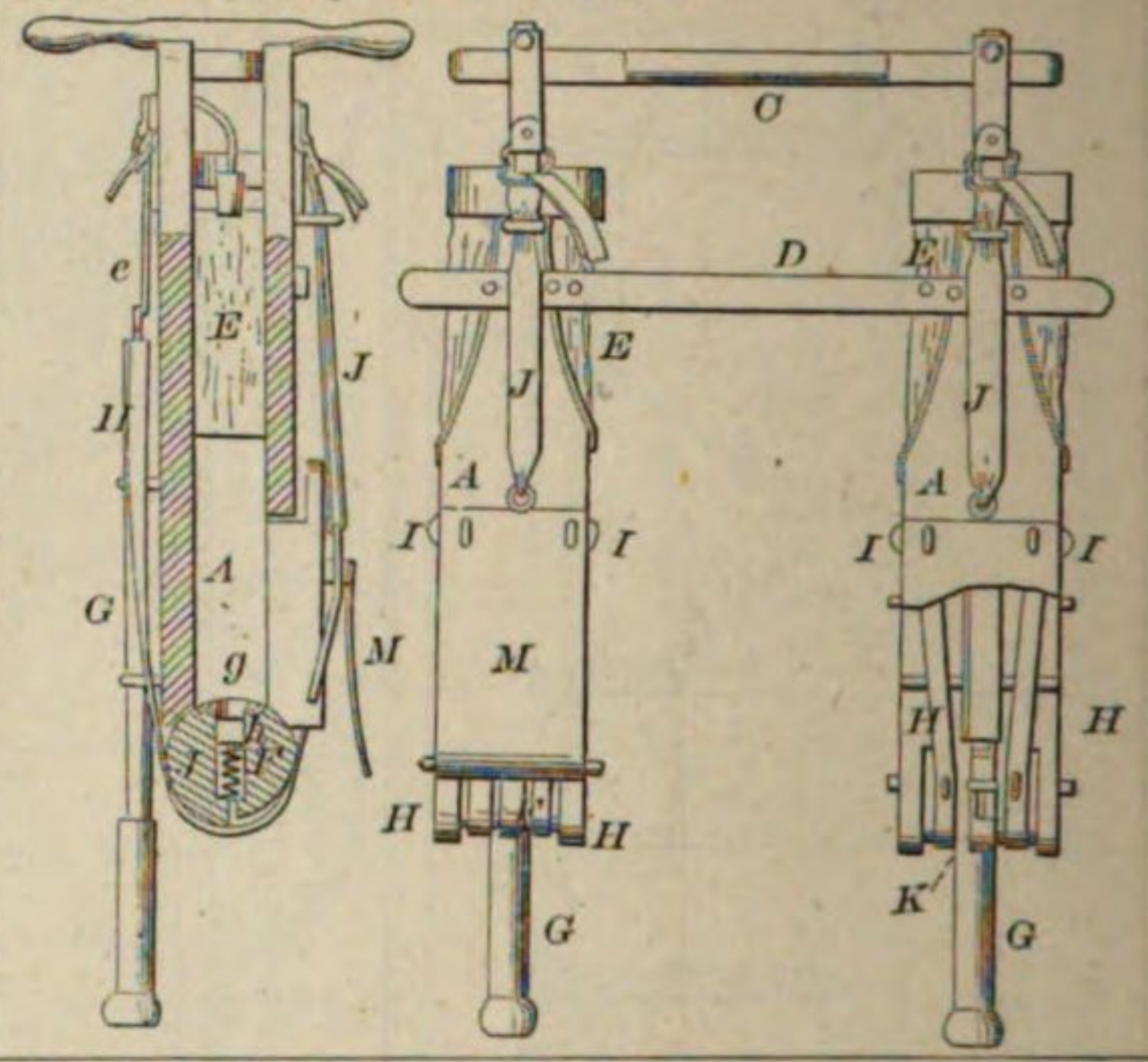
59687—S. B. Whiting—*Rope Driving Machine.*



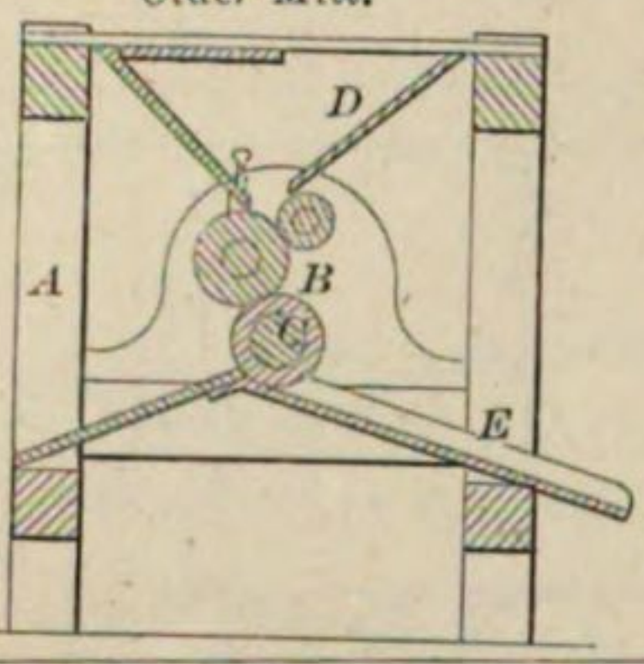
59698—S. M. Whitney—
Cultivator Coupling.



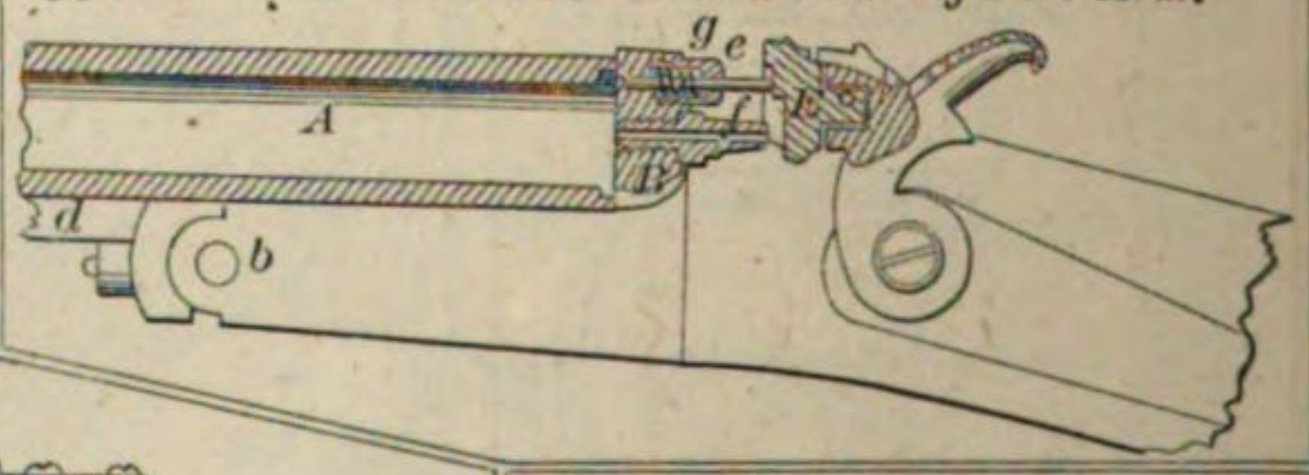
59703—R. M. Yorks—*Corn Planter.*



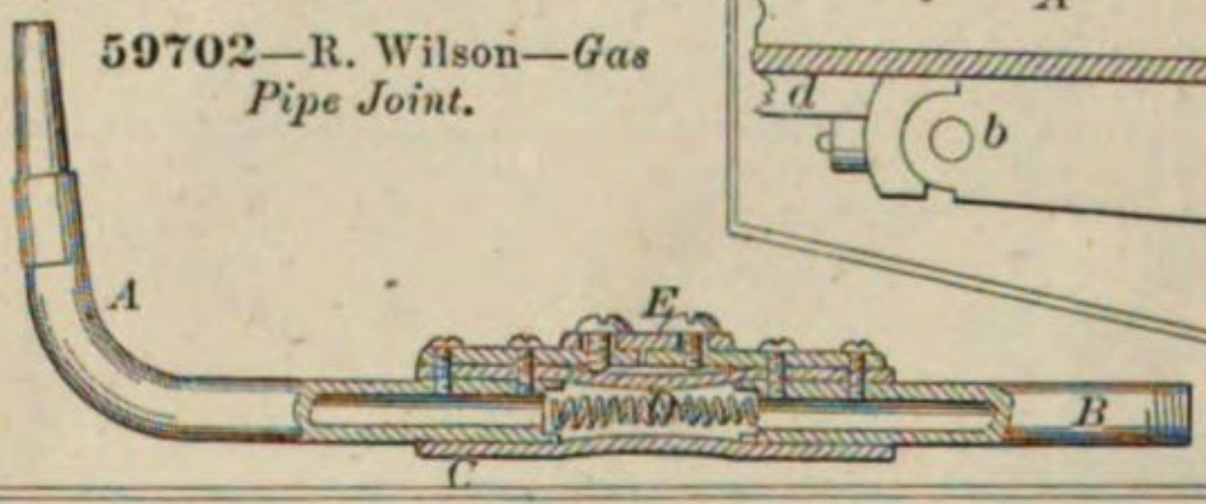
59700—J. H. Williams—
Cider Mill.



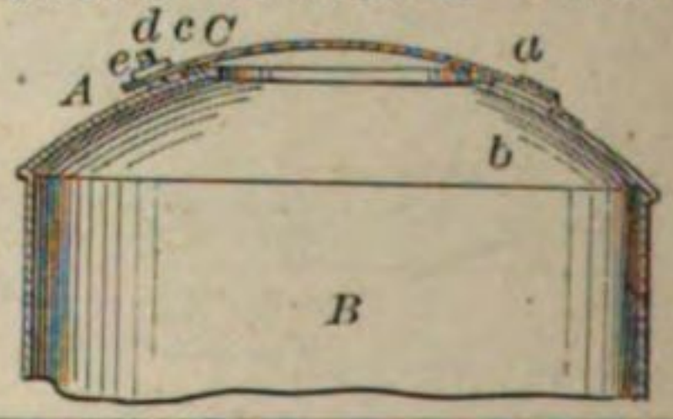
59706—P. Bourdereaux—*Breech-Loading Fire Arm.*



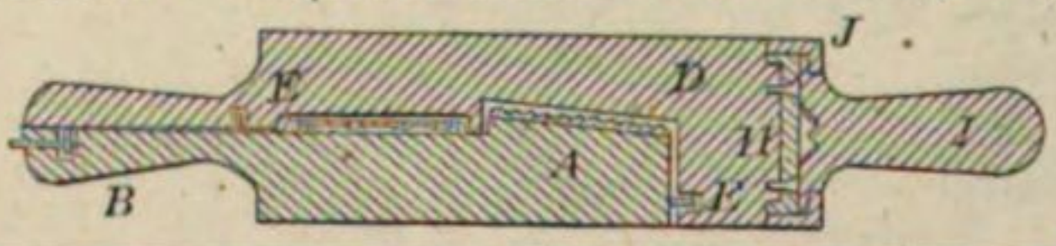
59702—R. Wilson—*Gas Pipe Joint.*



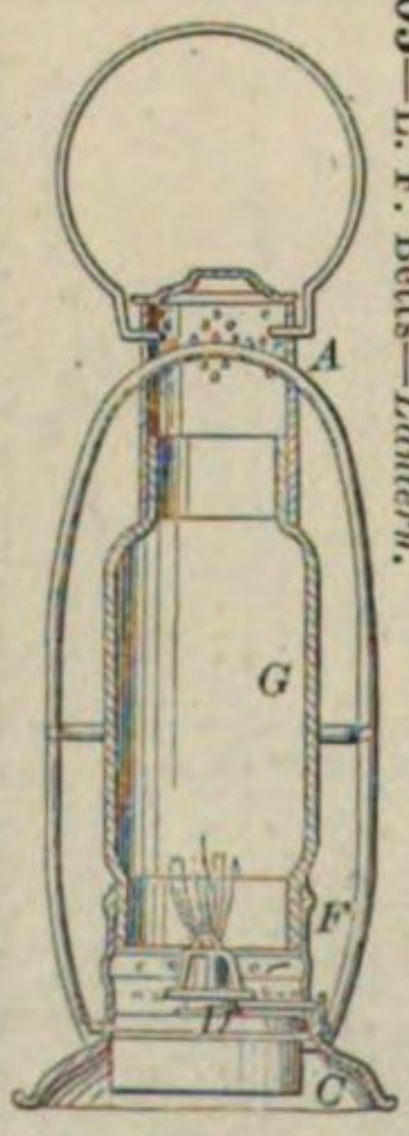
59699—G. Williams—*Fruit Jar.*



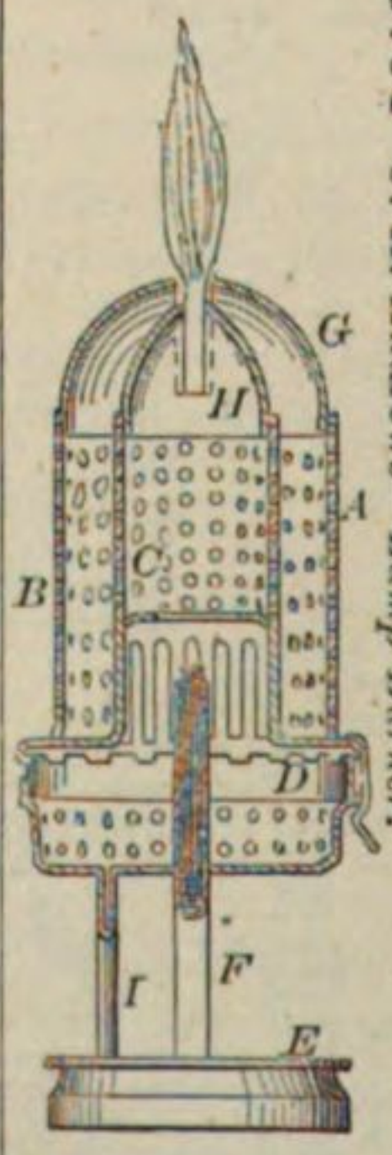
59701—Williamson & Richardson—*Rolling Pin, &c.*



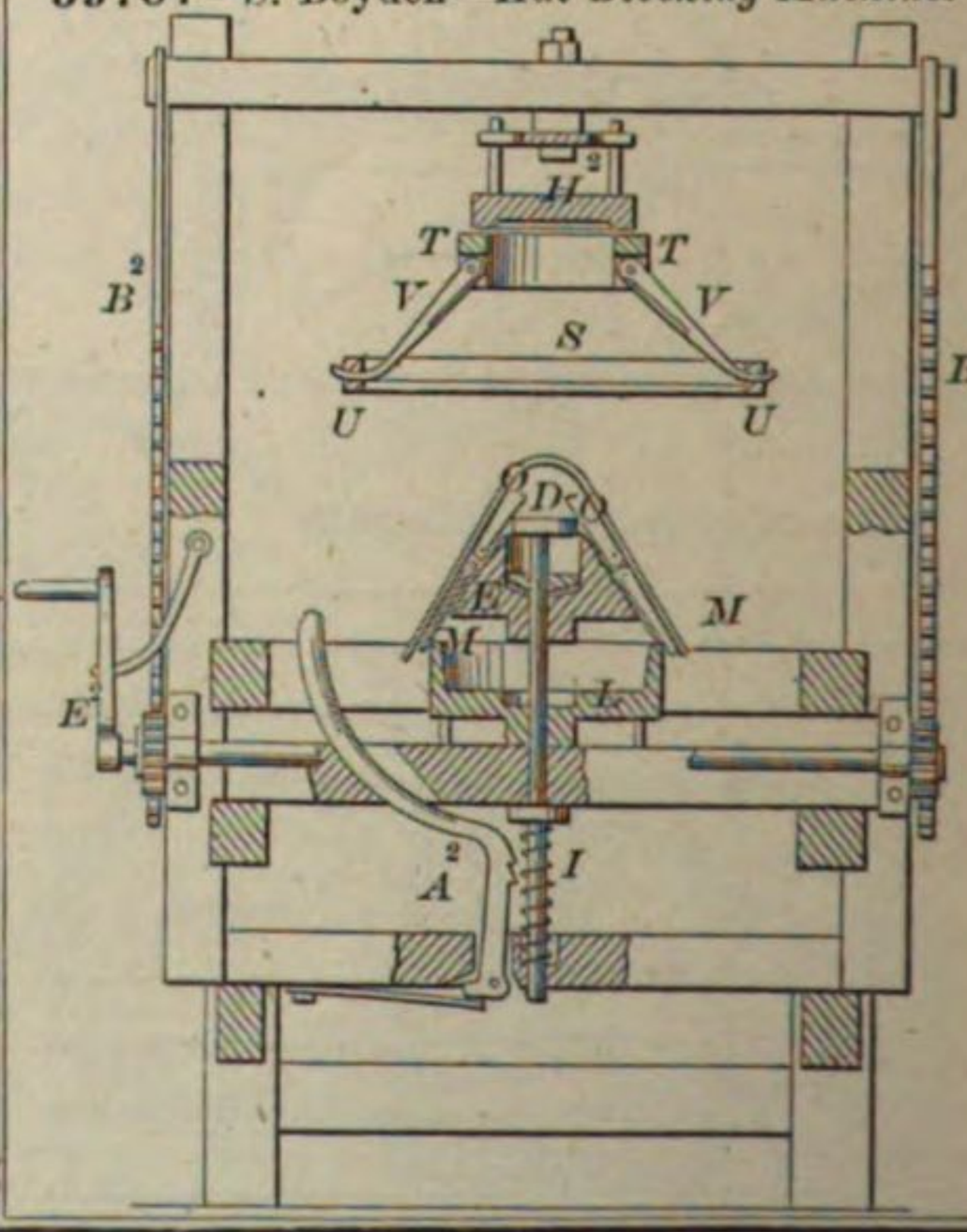
59705—L. F. Betts—*Lantern.*



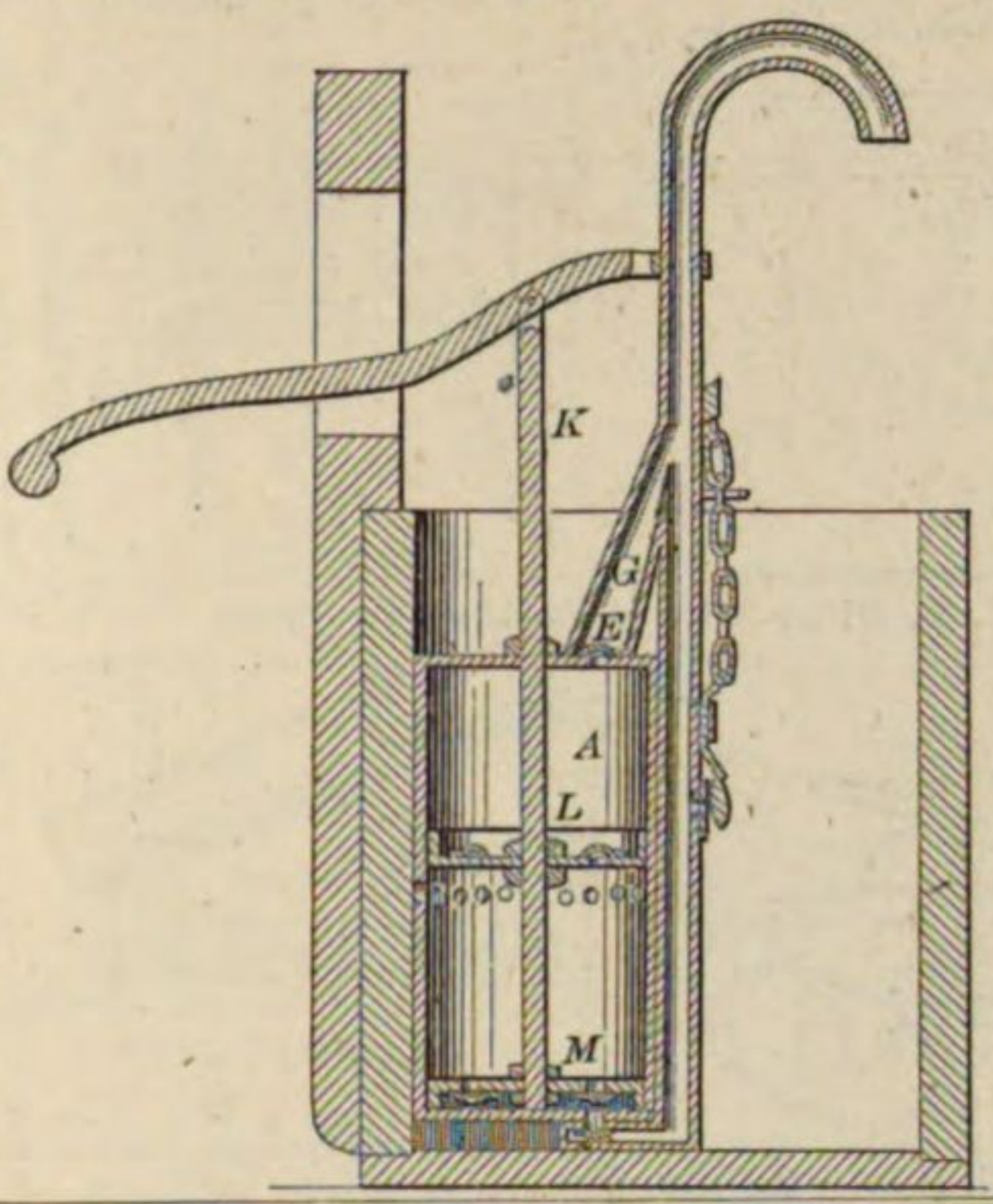
59704—J. K. Andrews—*Lamp Burner.*



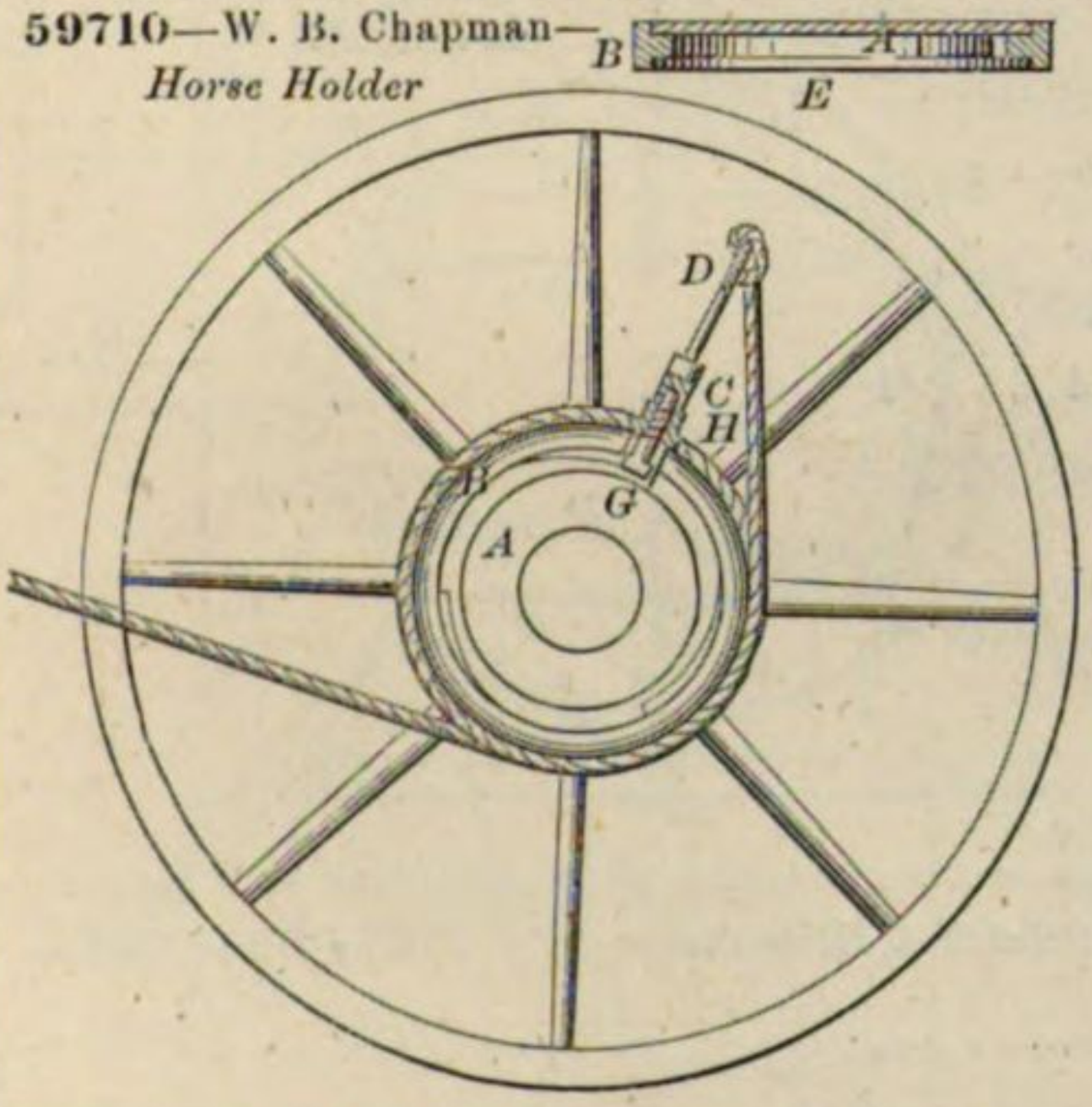
59707—S. Boyden—*Hat Blocking Machine.*



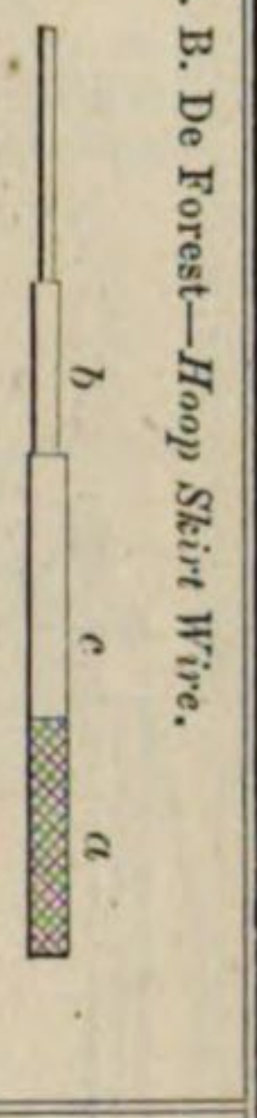
59708—J. W. Cahill—*Pump.*



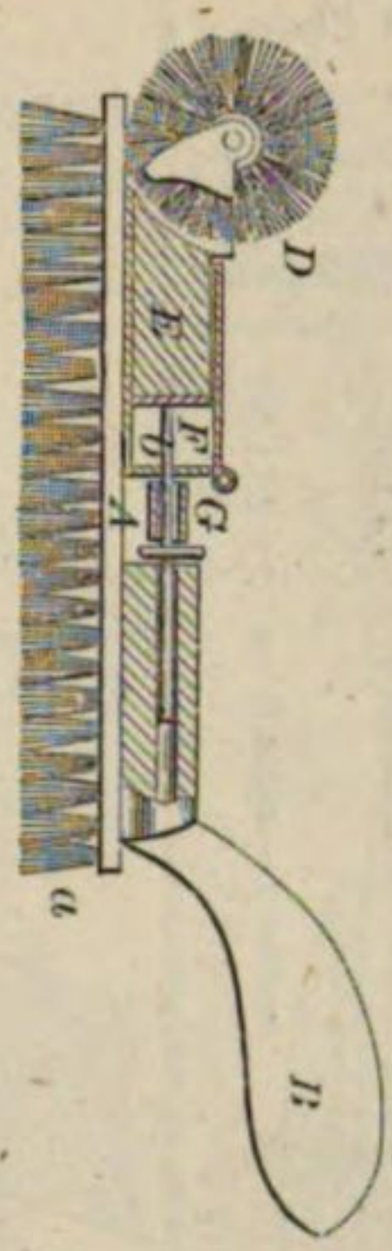
59710—W. B. Chapman—*Horse Holder*



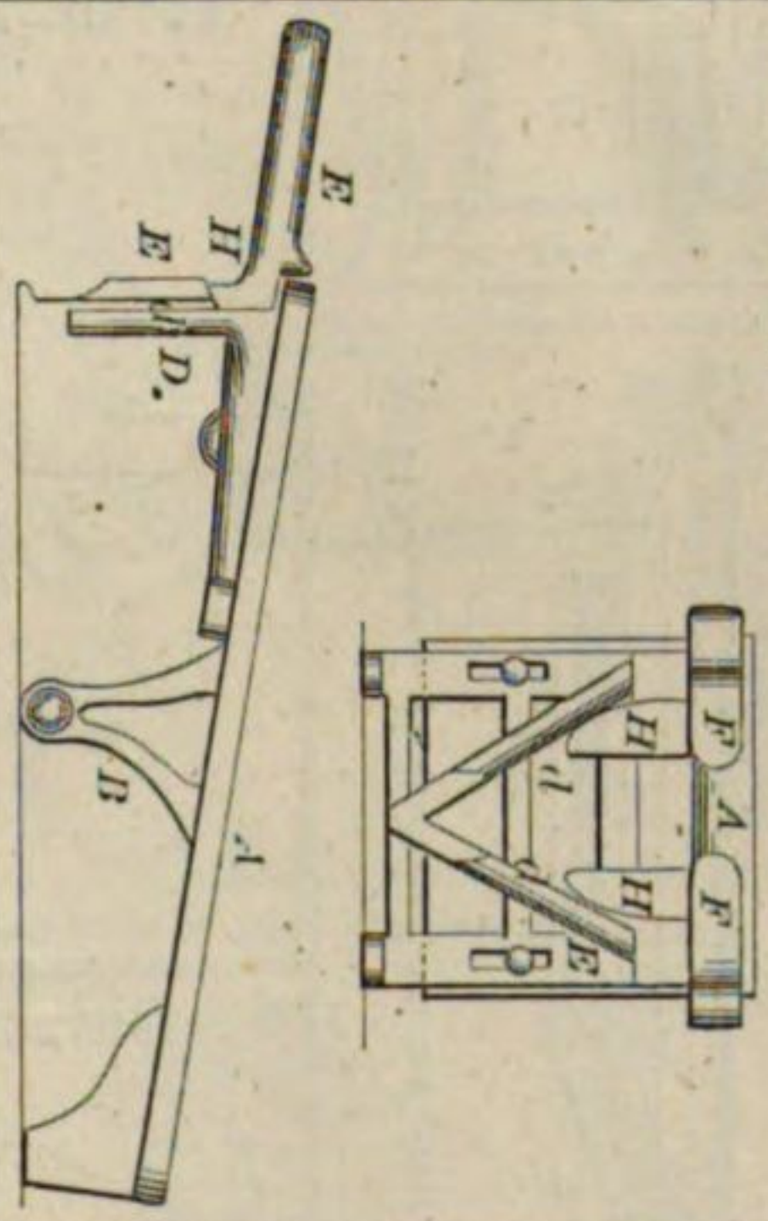
59711—T. B. De Forest—*Hoop Skirt Wire.*



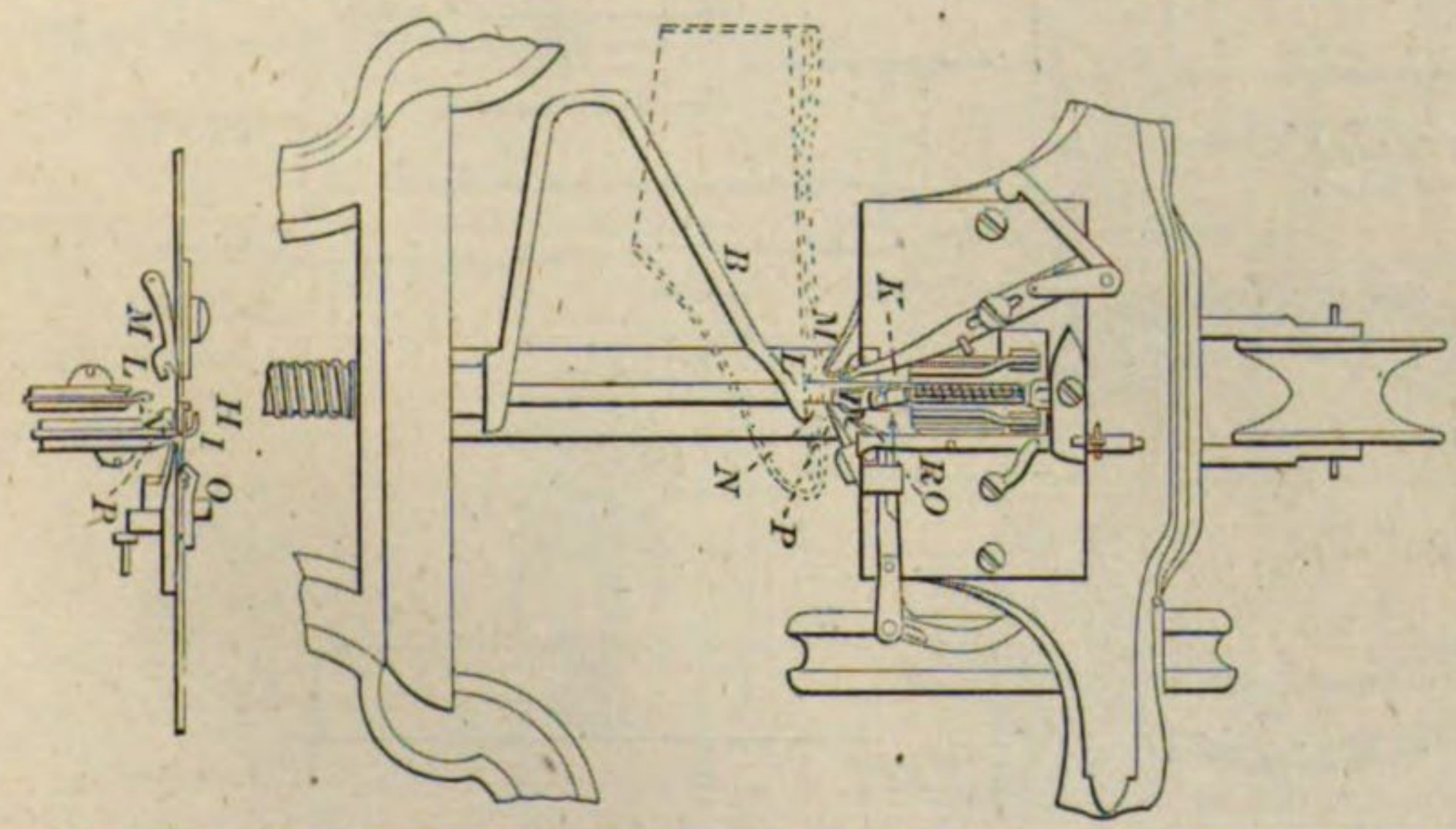
59709—F. M. Carnes—*Shoe and Stove Brush.*



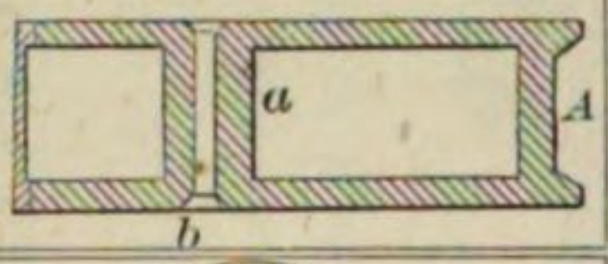
59712—H. N. Degraw—*Boot Jack.*



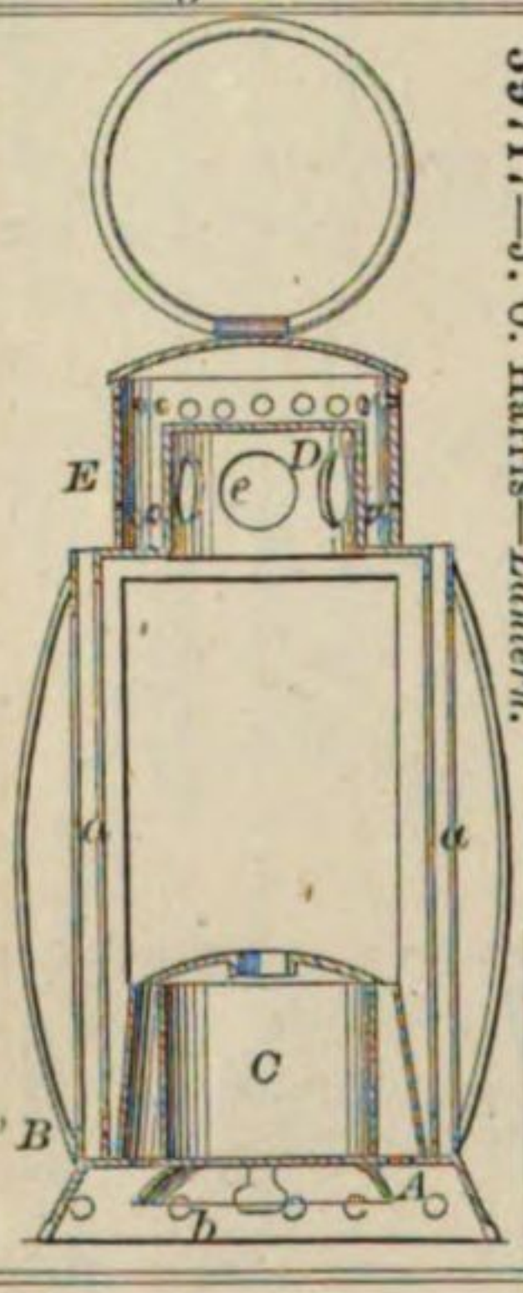
59715—W. Duchemin—*Sewing Machine for Sewing Soles, &c.*



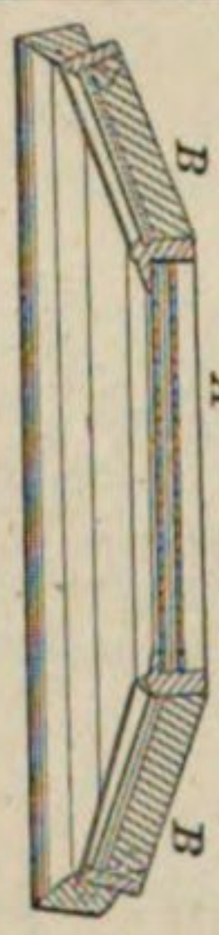
59716—J. B. Fontaine—*Hollow Pressure Plate.*



59717—J. O. Harris—*Lantern.*



59719—A. J. Holmes—*Picture Frame.*



59721—E. C. C. Kellogg—*Gauge for Determining Angles.*

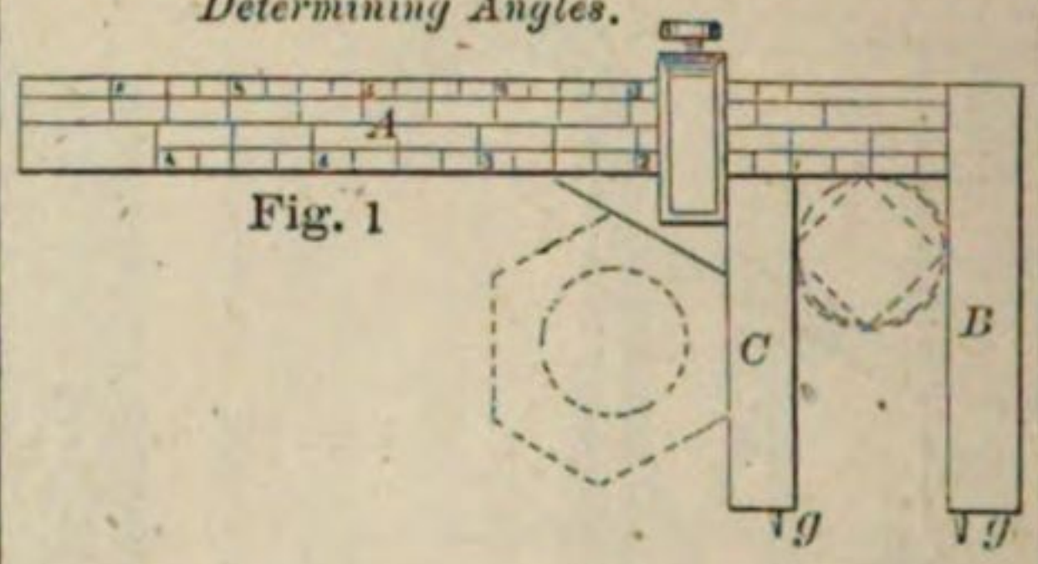
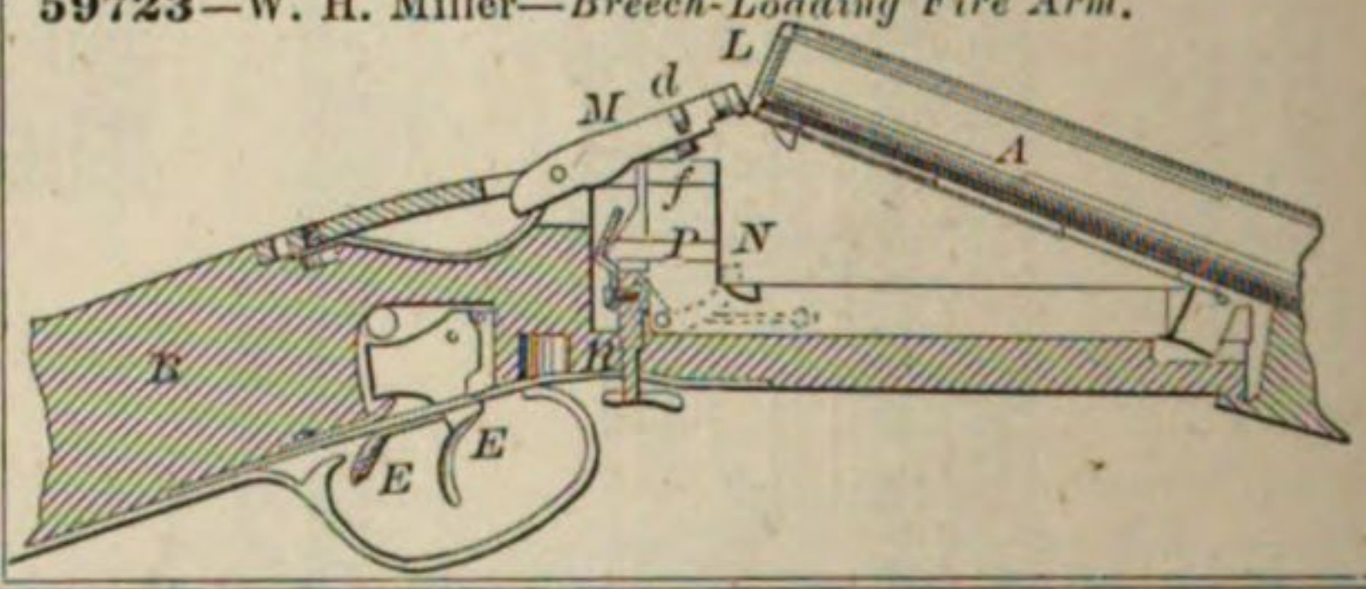


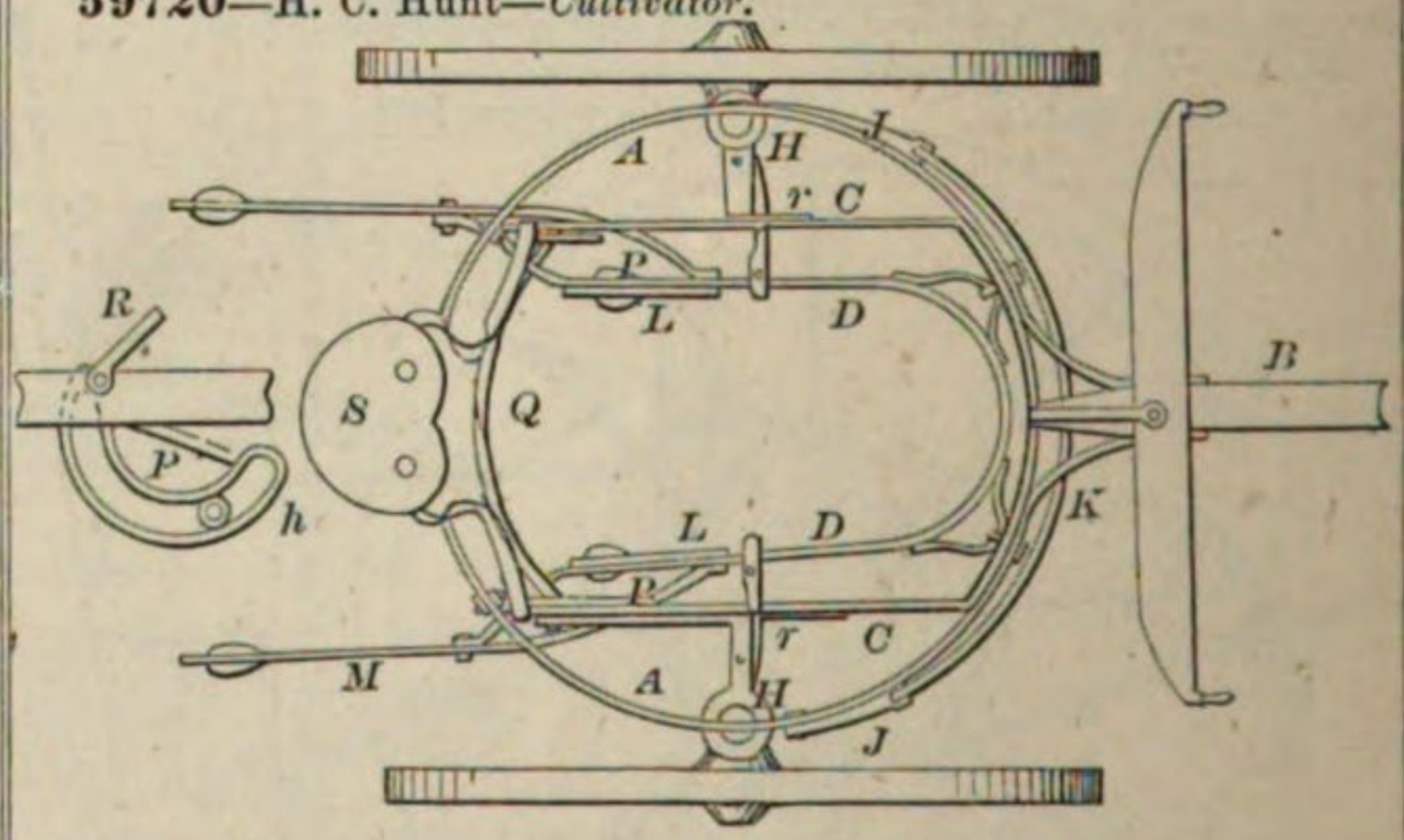
Fig. 1

59718—C. W. Holland—*Knob Hole for Carriage Curtains.*

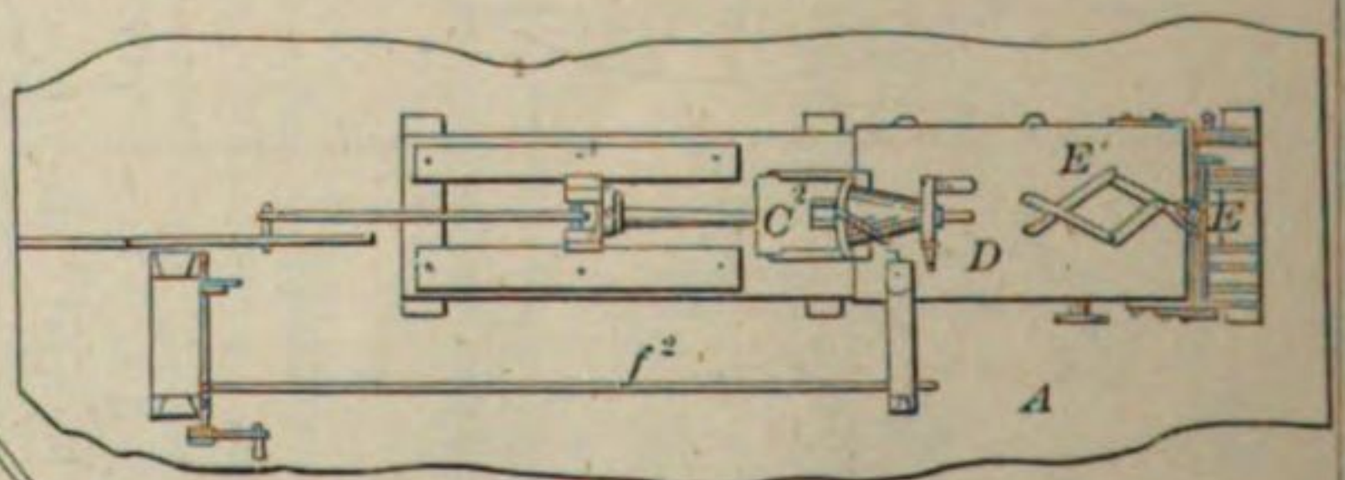
59723—W. H. Miller—*Breech-Loading Fire Arm.*



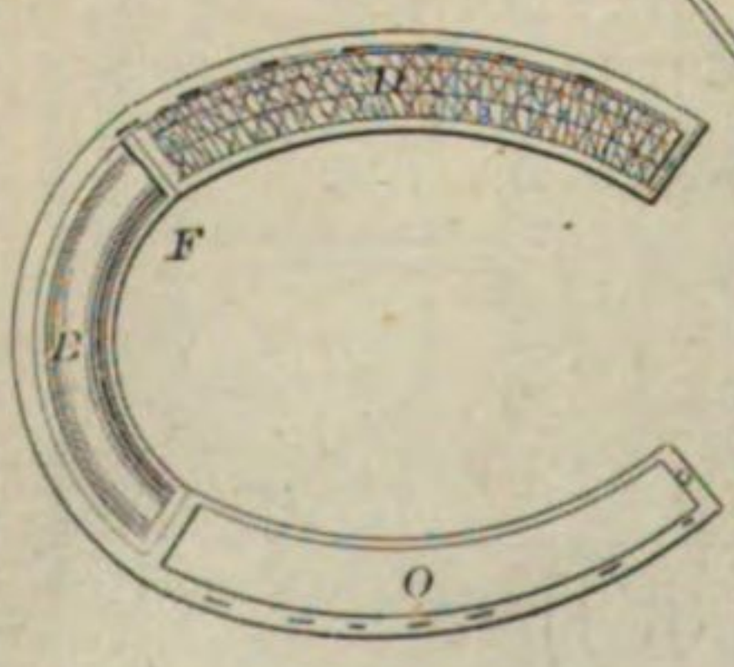
59720—H. C. Hunt—*Cultivator.*

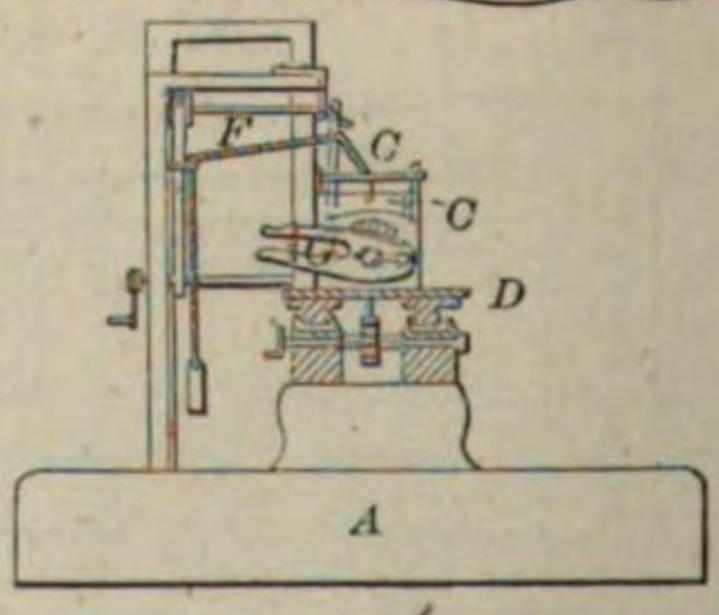


59726—Schrick & Hildenbrand—*For Filling Horse Collars.*

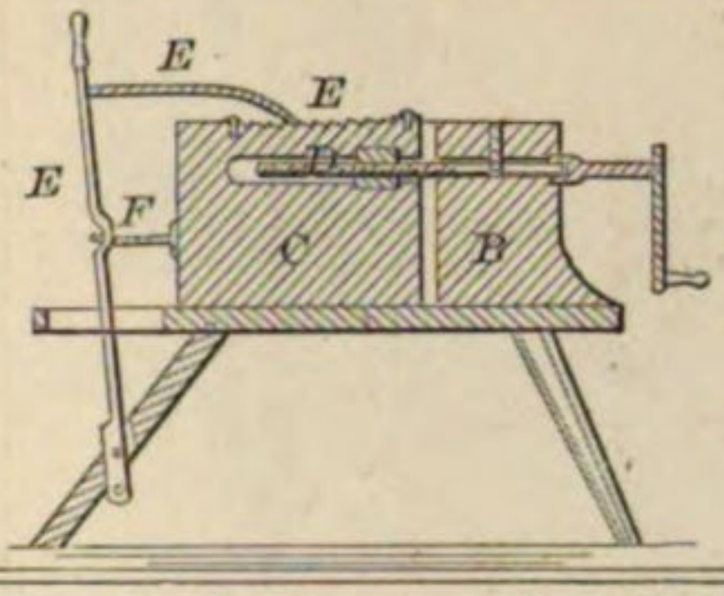


59725—J. I. Peyton—*Horse Shoe.*

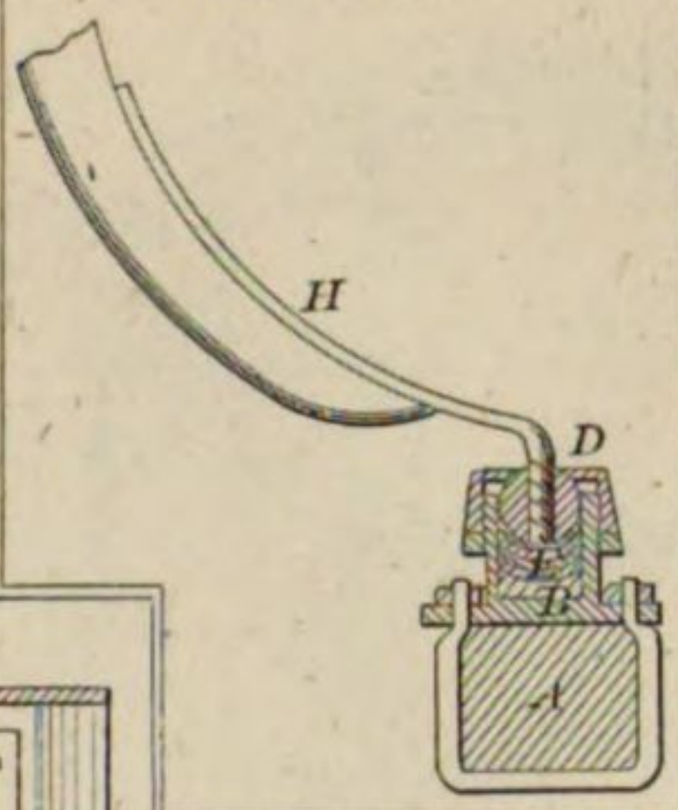




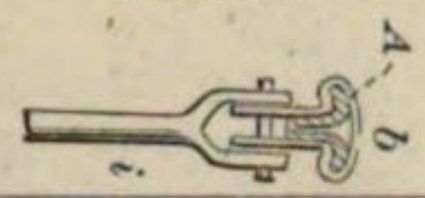
59727—Schrick & Hildenbrand—*Stretching Horse Collars.*



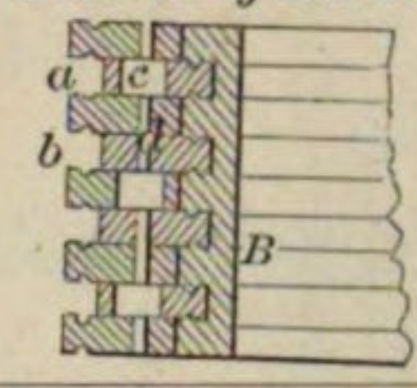
59728—T. S. Smith—*Carriage Shackle.*



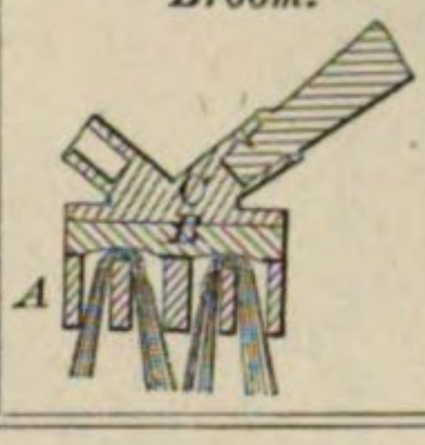
59735—W. Hugo—*Umbrella.*



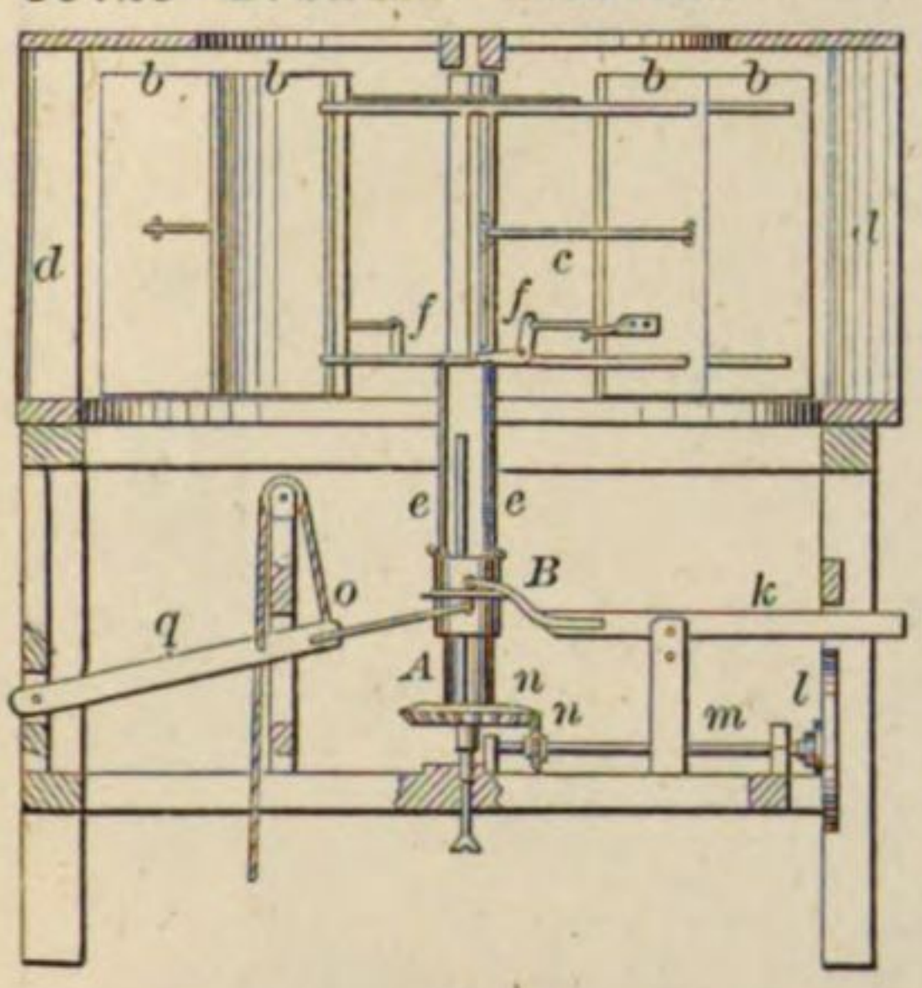
59730—A. Tanner—*Constructing Buildings.*

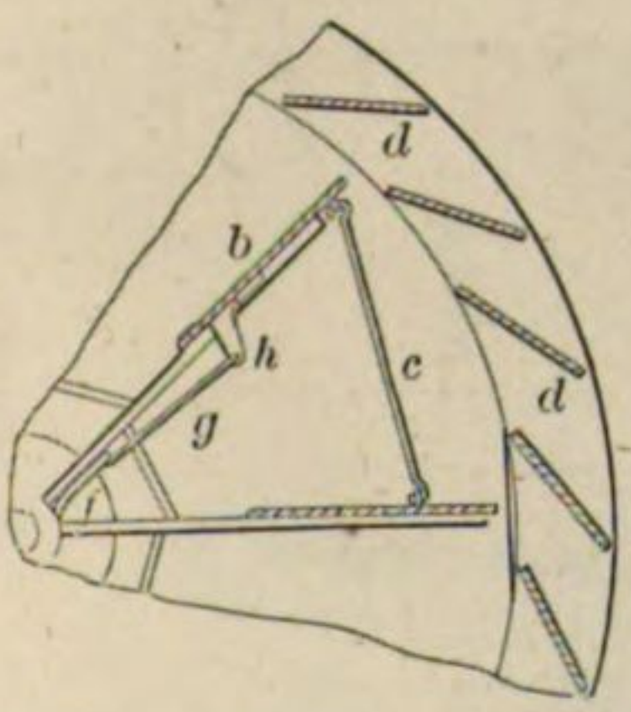


59733—T. Wright—*Broom.*

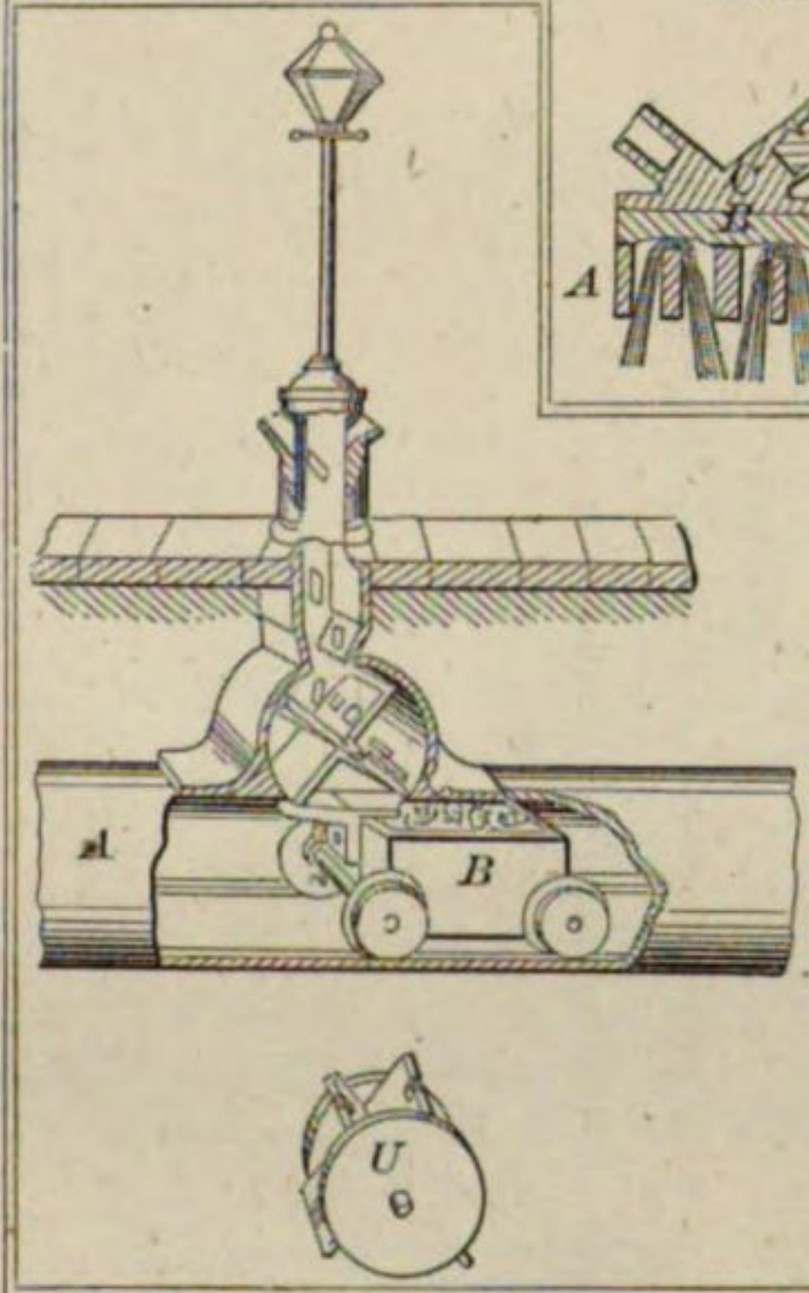


59729—D. Strunk—*Wind Mill.*

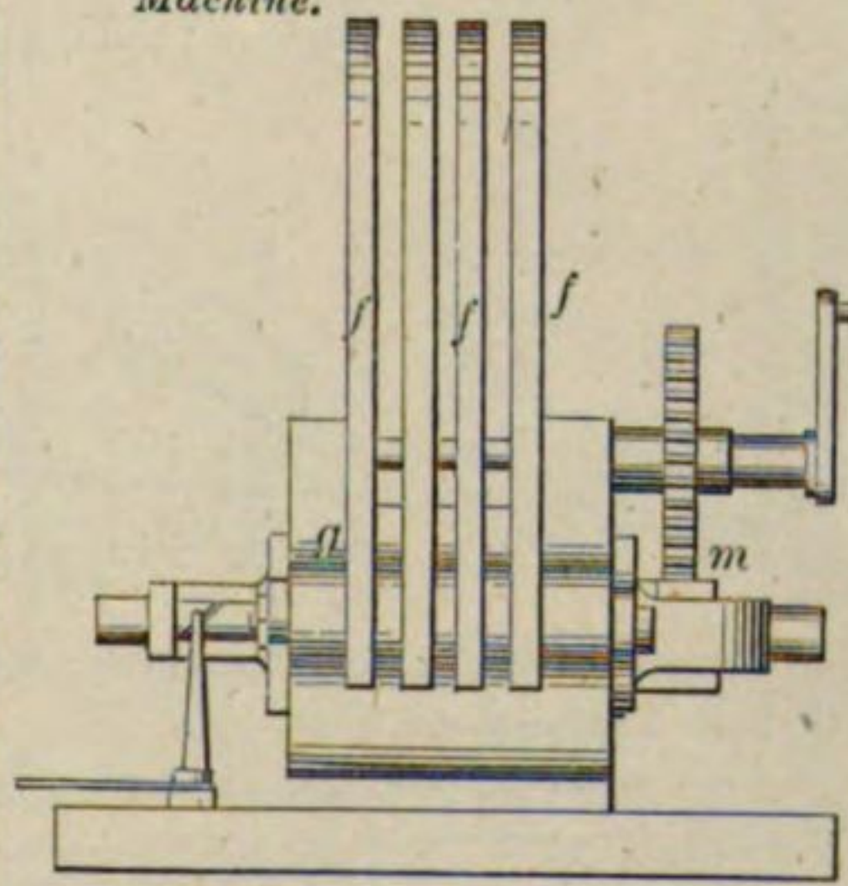




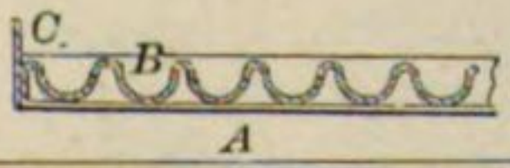
59739—A. E. Beach—*Receiving and Delivering Letters, Parcels, &c.*



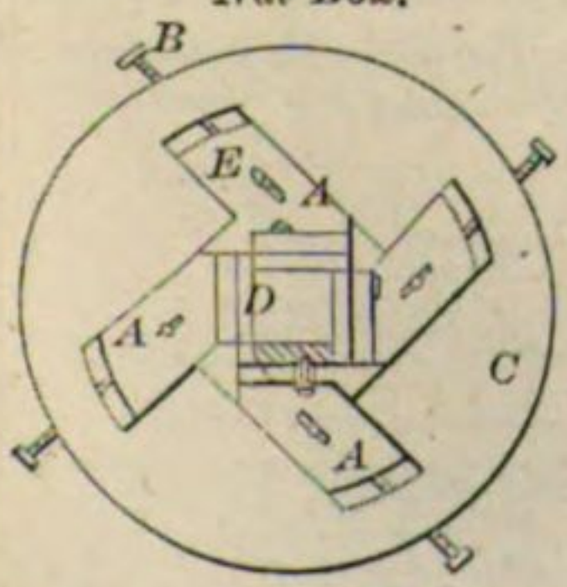
59738—H. Wilde—*Magneto-Electric Machine.*



59732—S. West—*Baking Pan.*



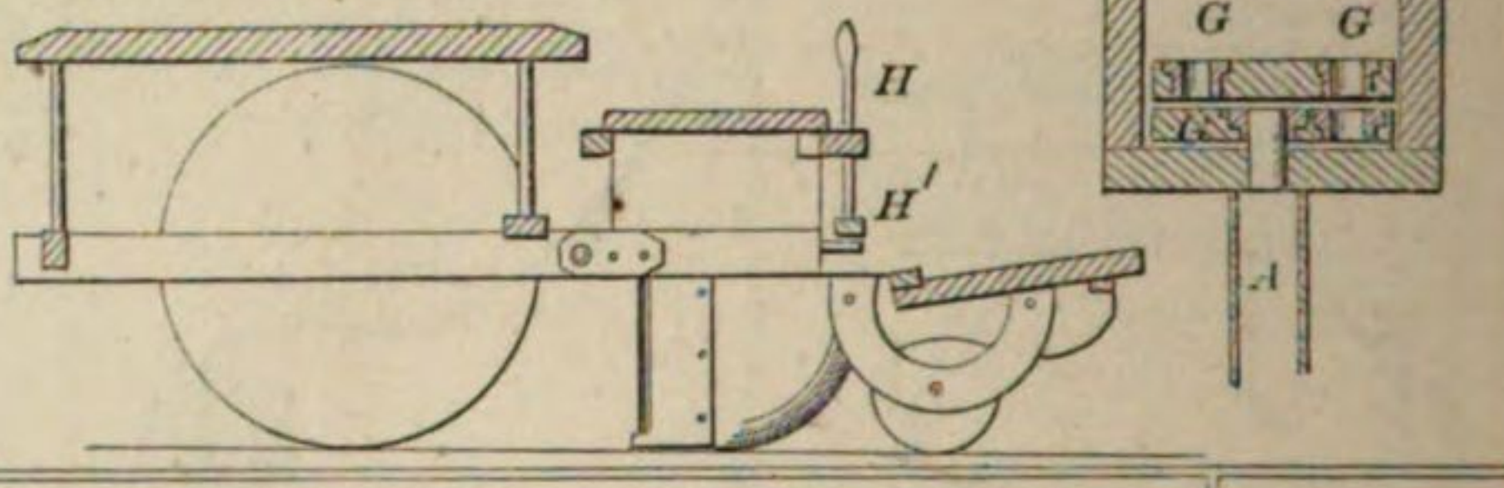
59731—J Turner—*Adjustable Nut Box.*



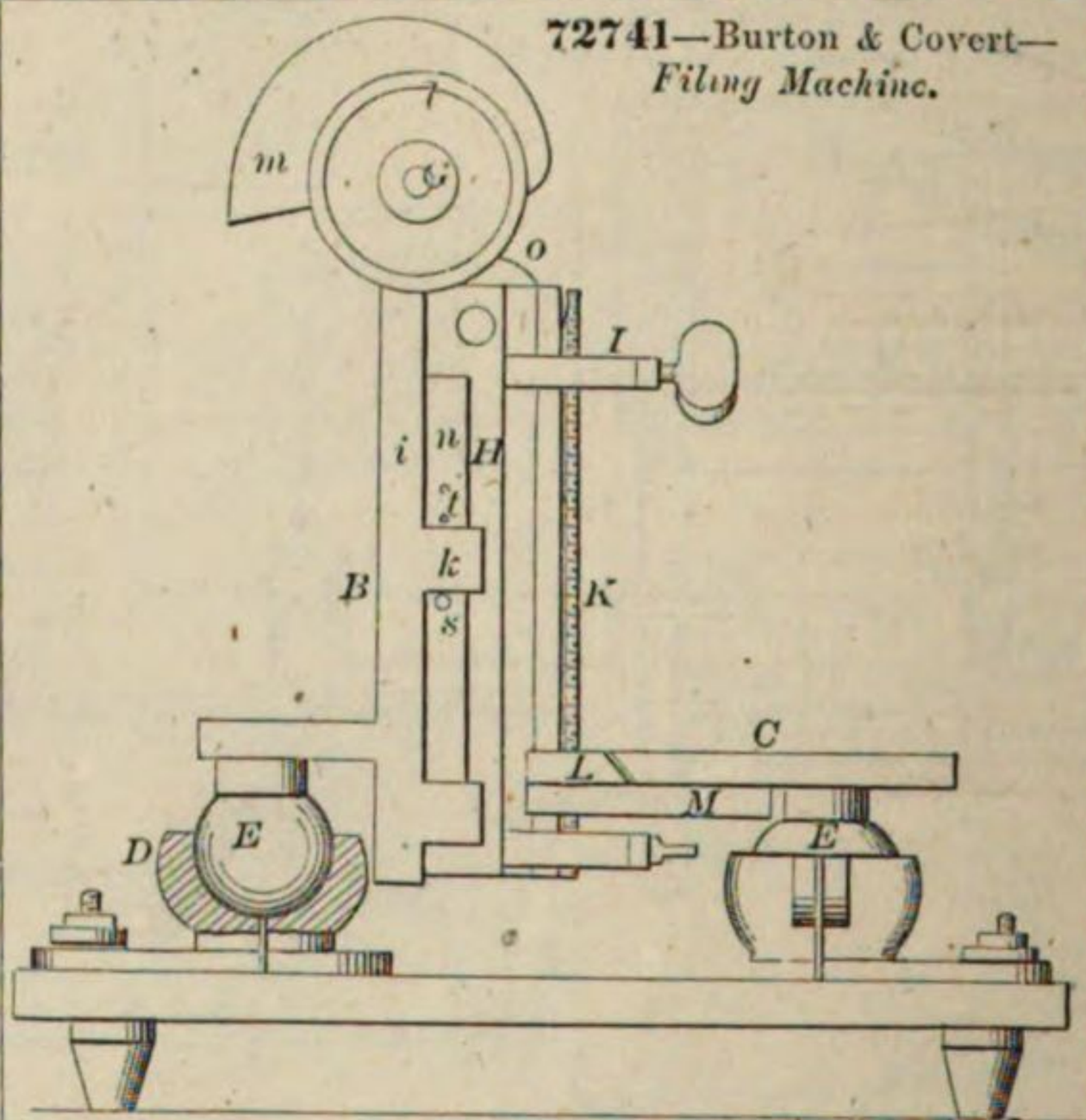
59737—G. L. Turney—*Needle Case.*

72740—P. Ainsworth—*Well Drill.*

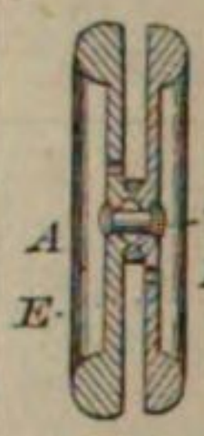
59742—W. R. Butler—*Corn Planter.*

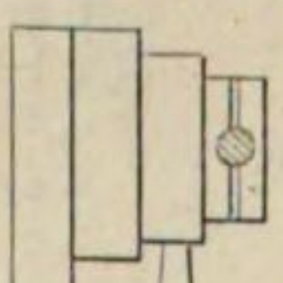


72741—Burton & Covert—*Filing Machine.*

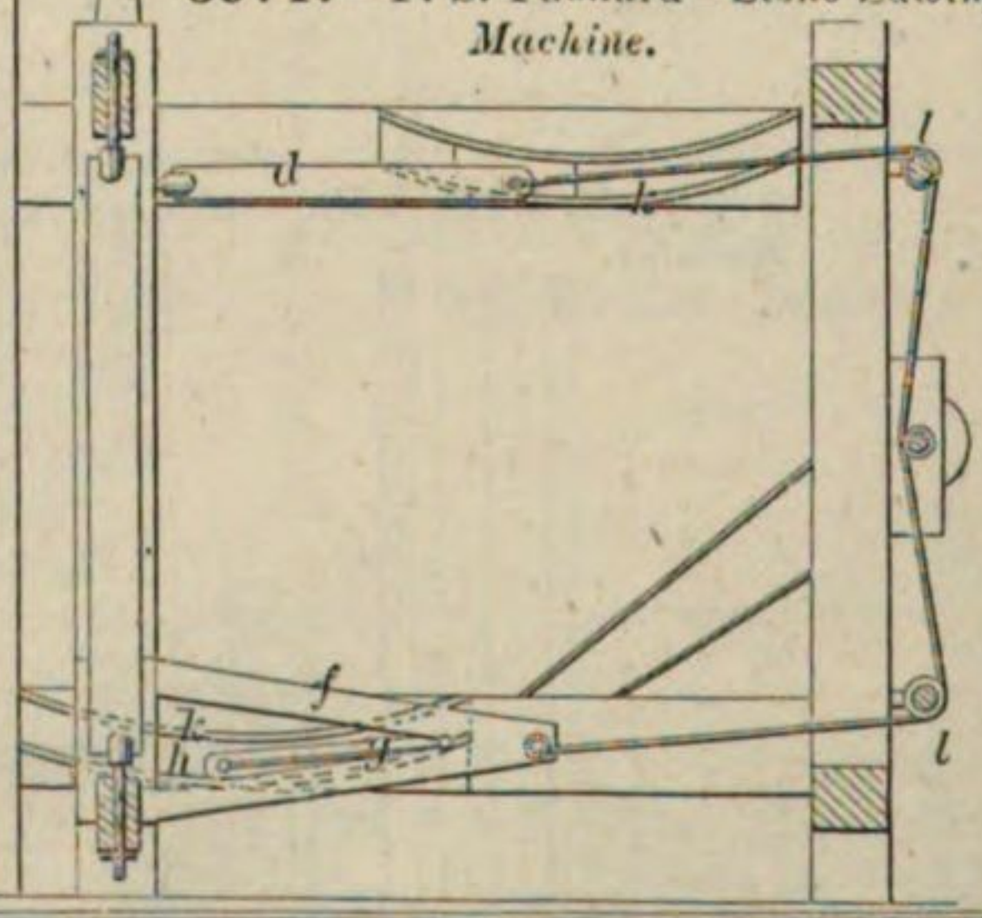


72745—Haven & Hettrick—*Bandelore.*

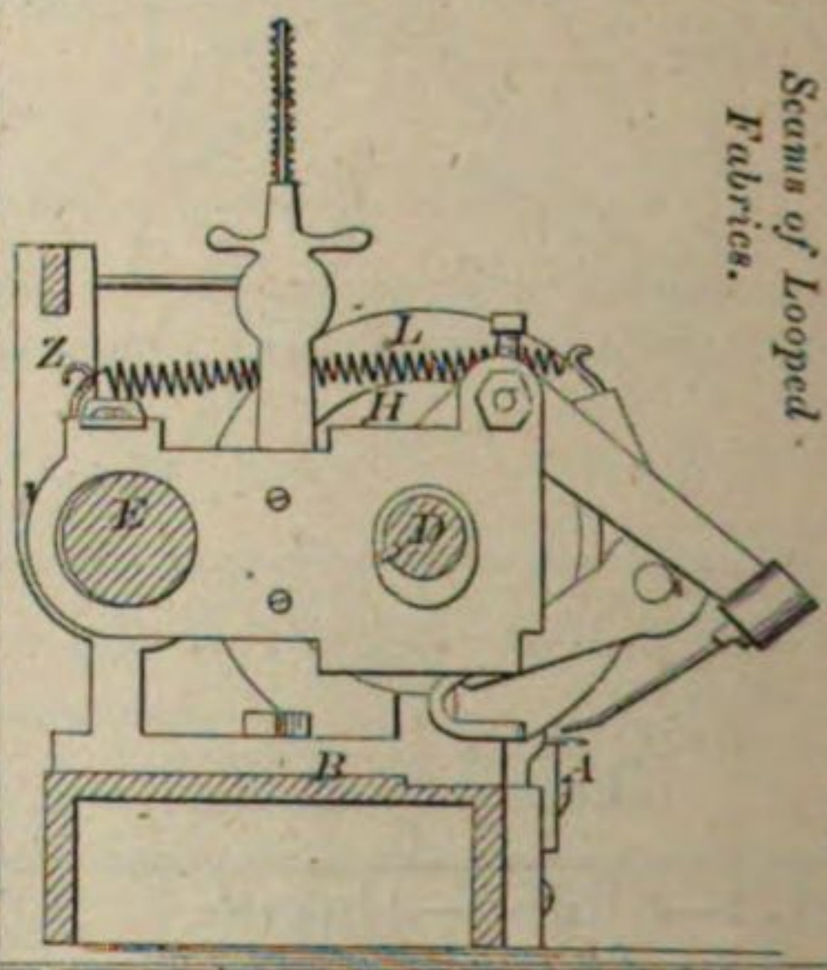




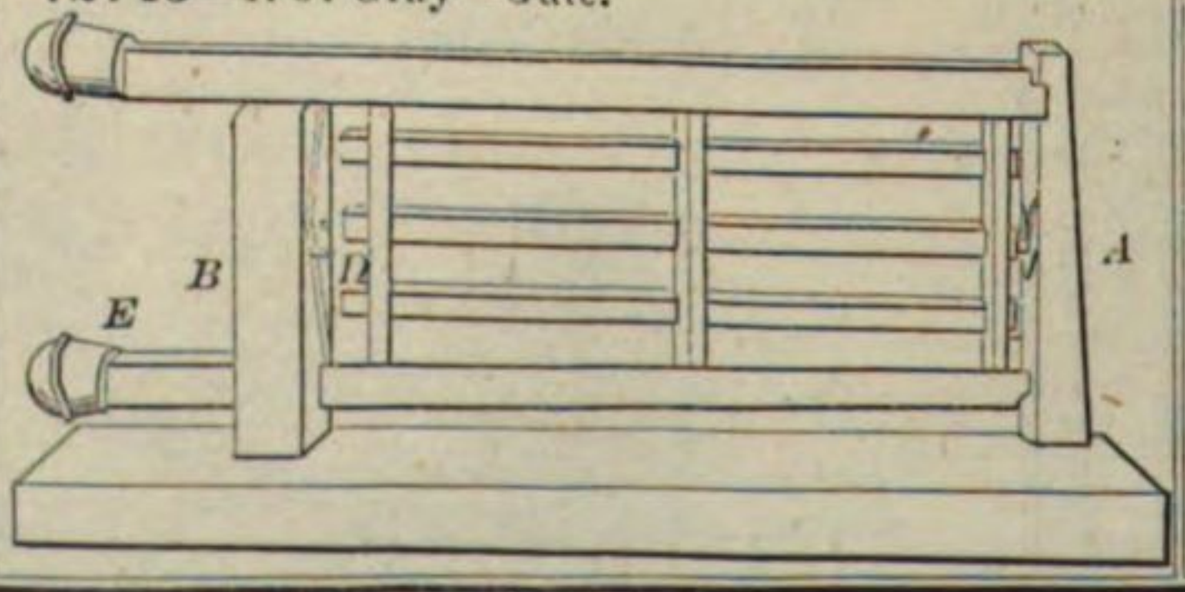
59747—F. S. Packard—*Stone Sawing Machine.*



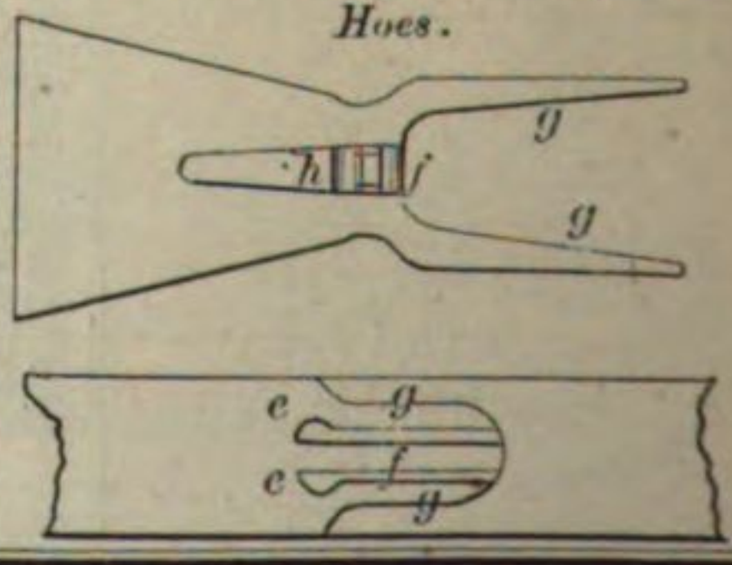
59746—E. E. Kilbourn—*For Sewing the Seams of Looped Fabrics.*



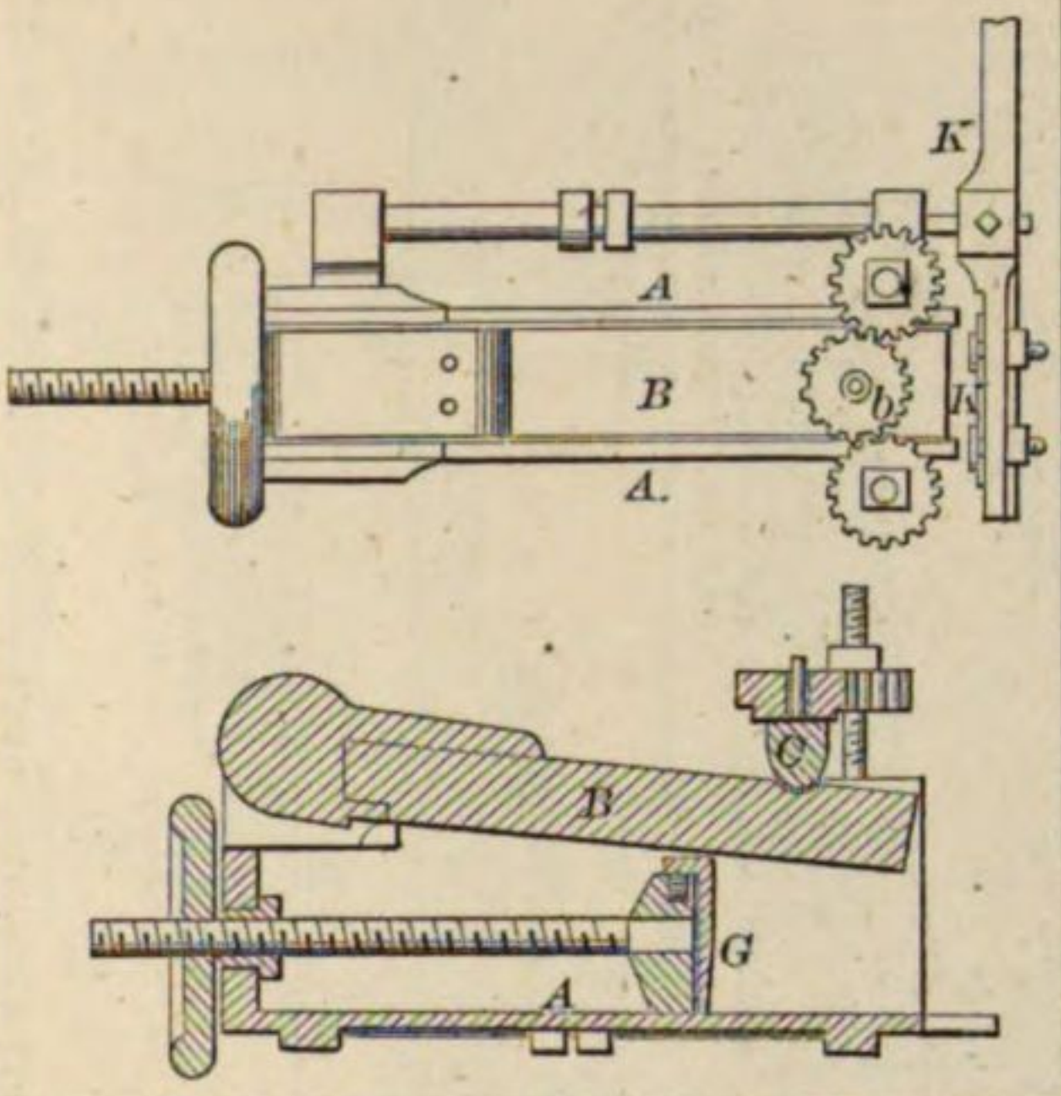
72743—I. J. Gray—*Gate.*



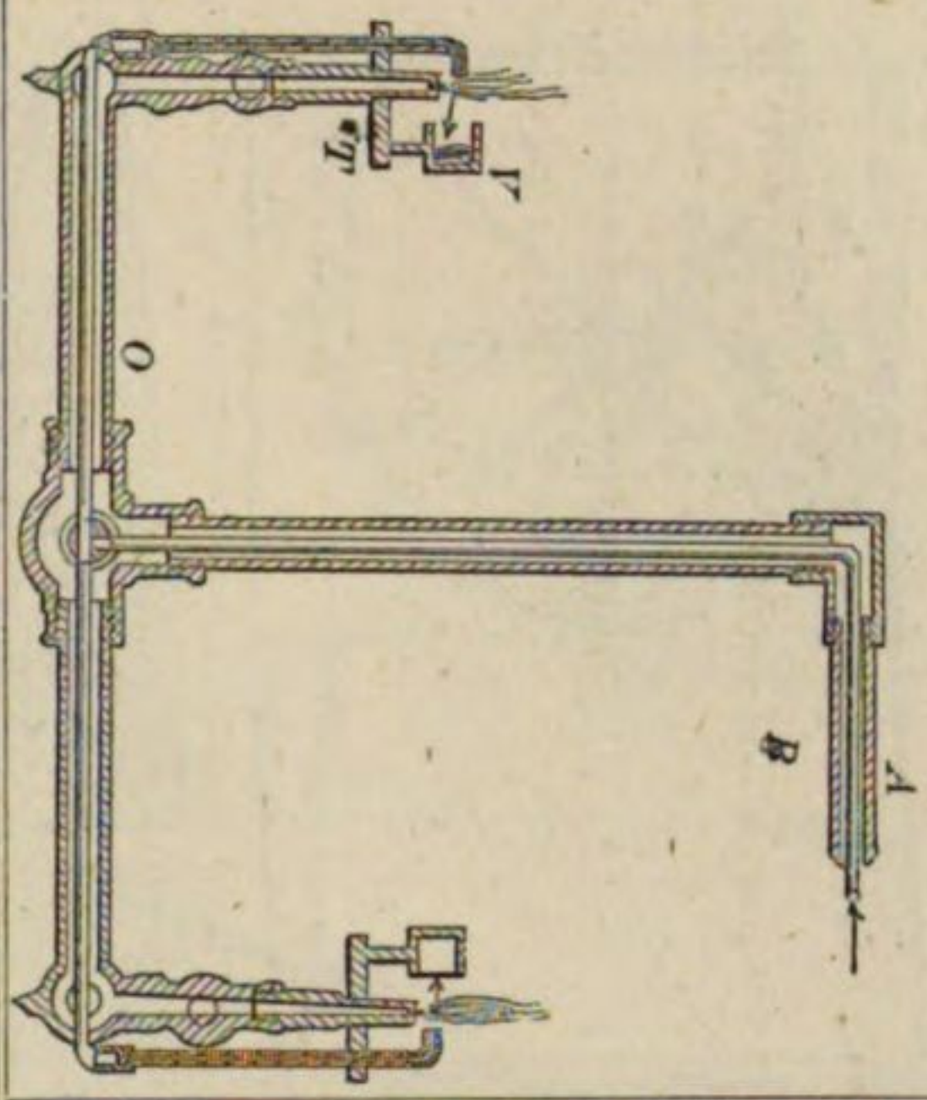
59744—R. Harper—*Manufacture of Hoes.*



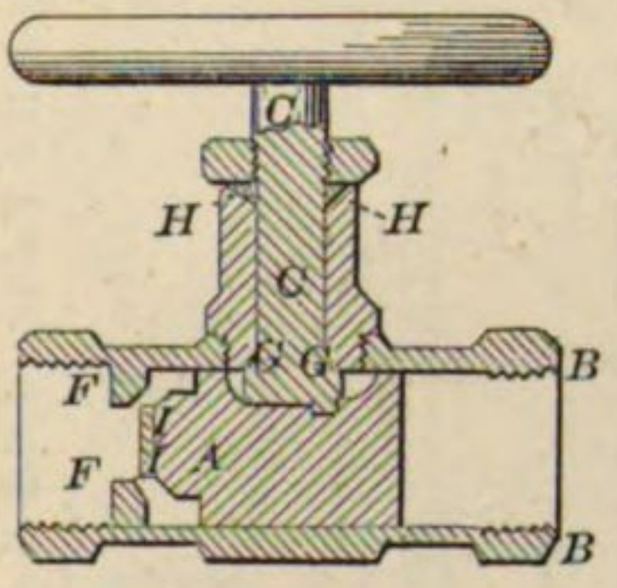
59748—S. G. Rice—*Tobacco Press and Cutter.*



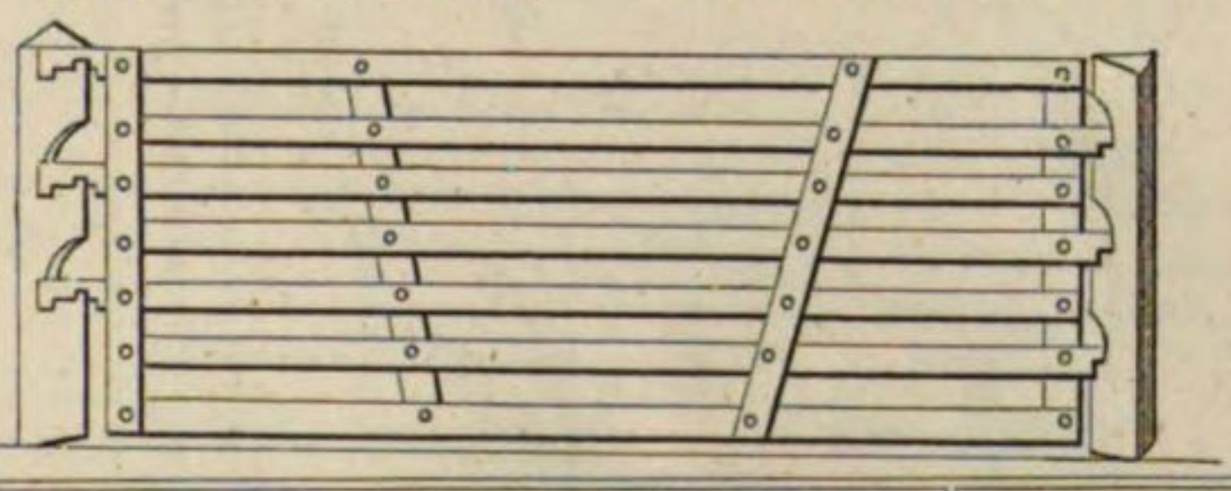
59754—A. Barbarin—*Lighting Gas.*



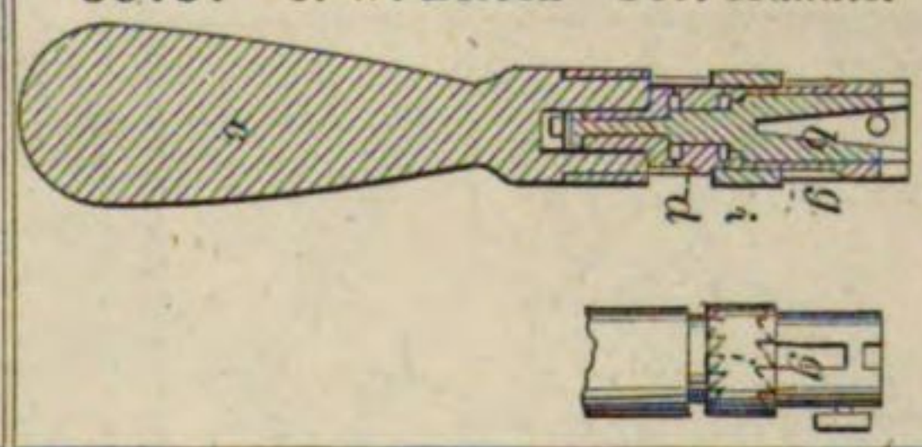
59752—G. E. Whitmore—*Stop Valve for Steam Pipes.*



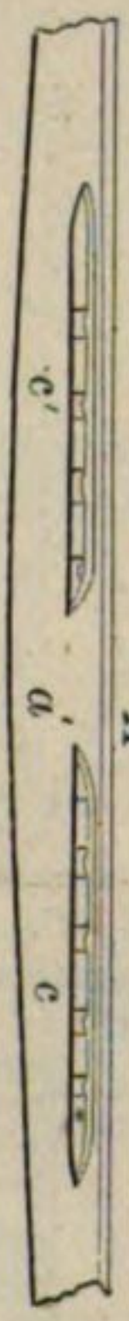
59753—G. W. Balding—*Gate and Gate Post.*



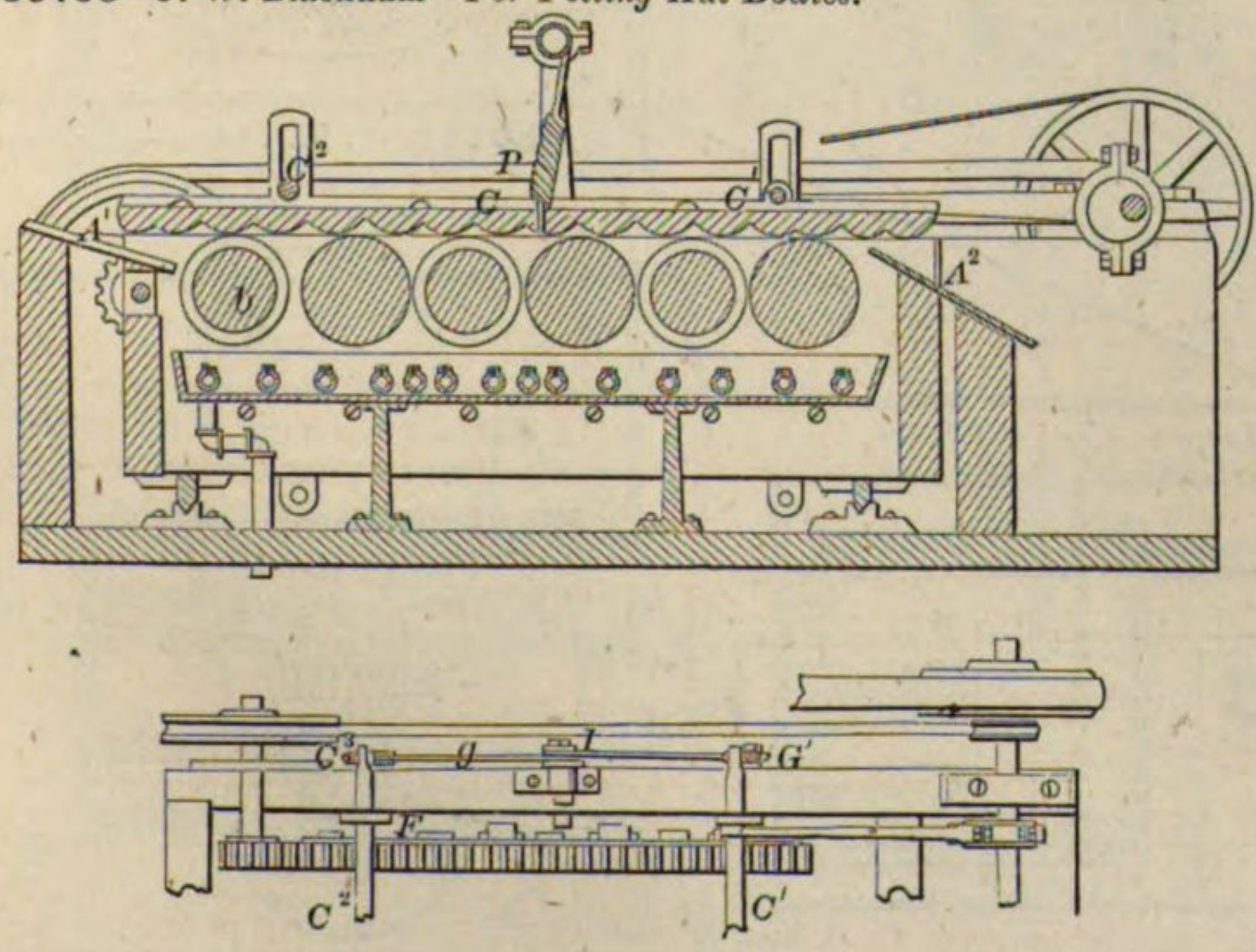
59757—C. W. Bioren—*Tool Handle.*



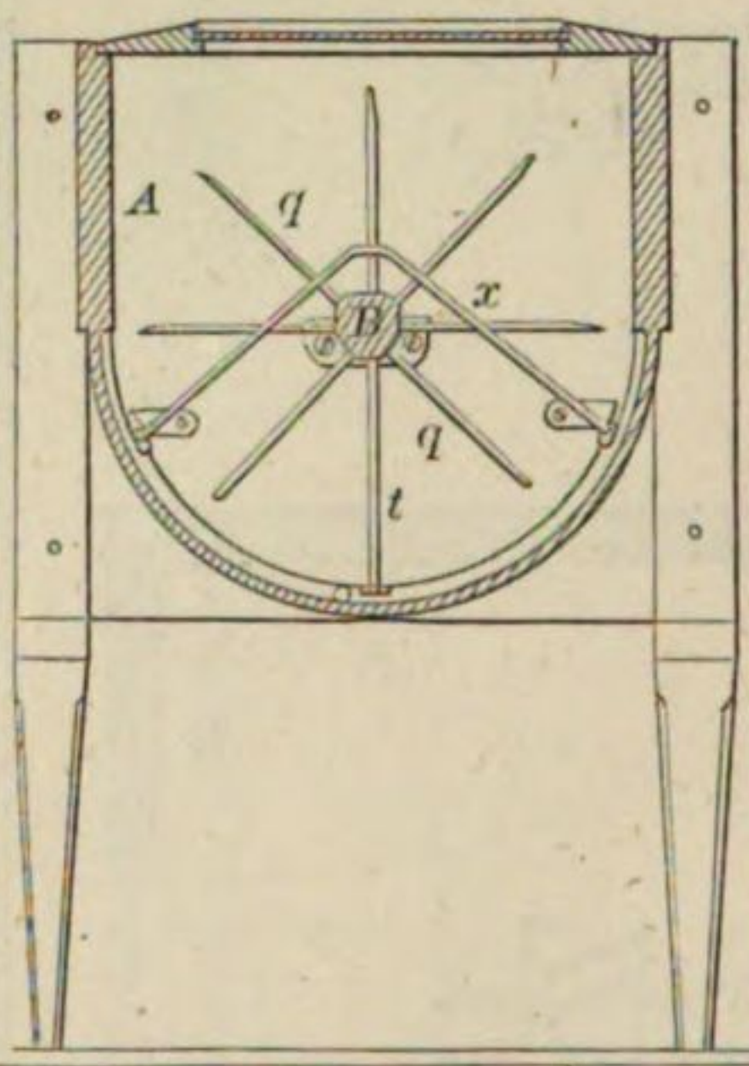
59755—H. J. Batchelder—*Horse Shoe Blank.*



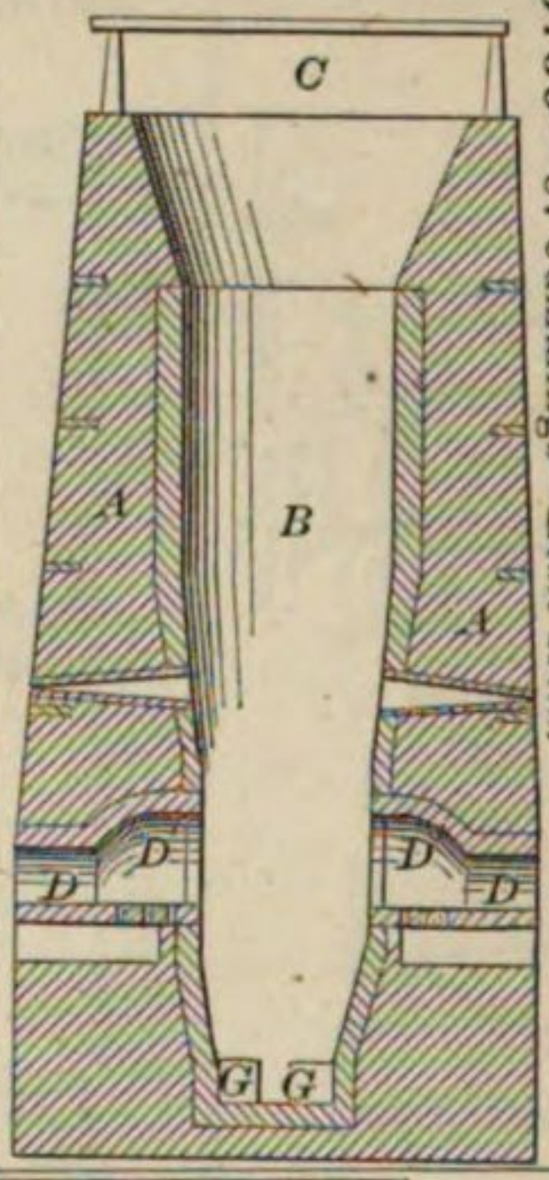
59758—J. W. Blackham—*For Felting Hat Bodies.*



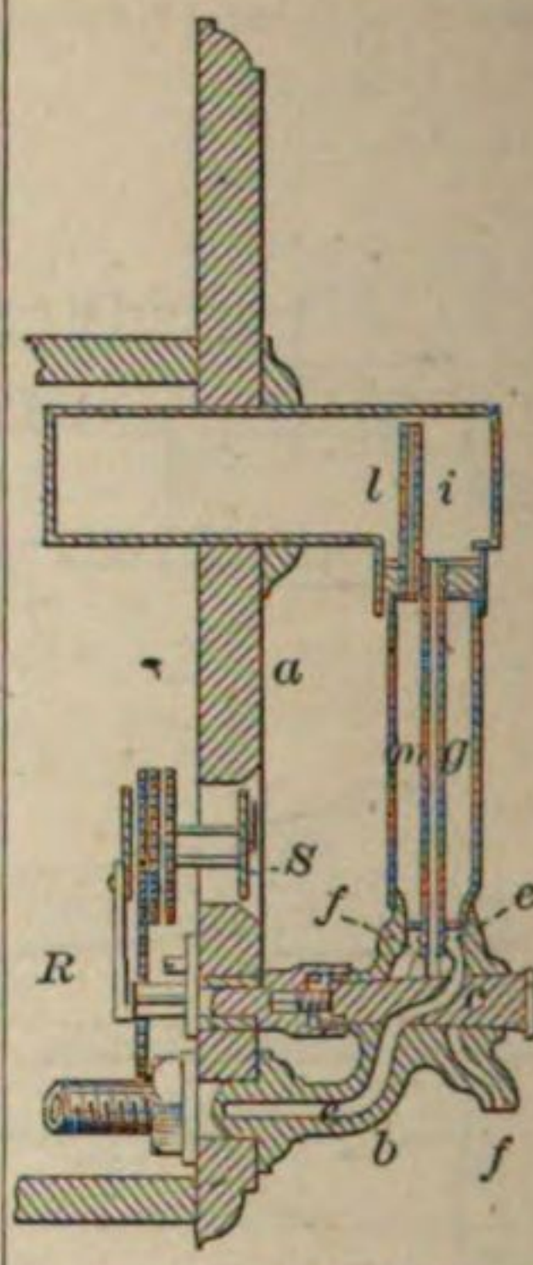
59759—J. C. Bodine—*Churn.*



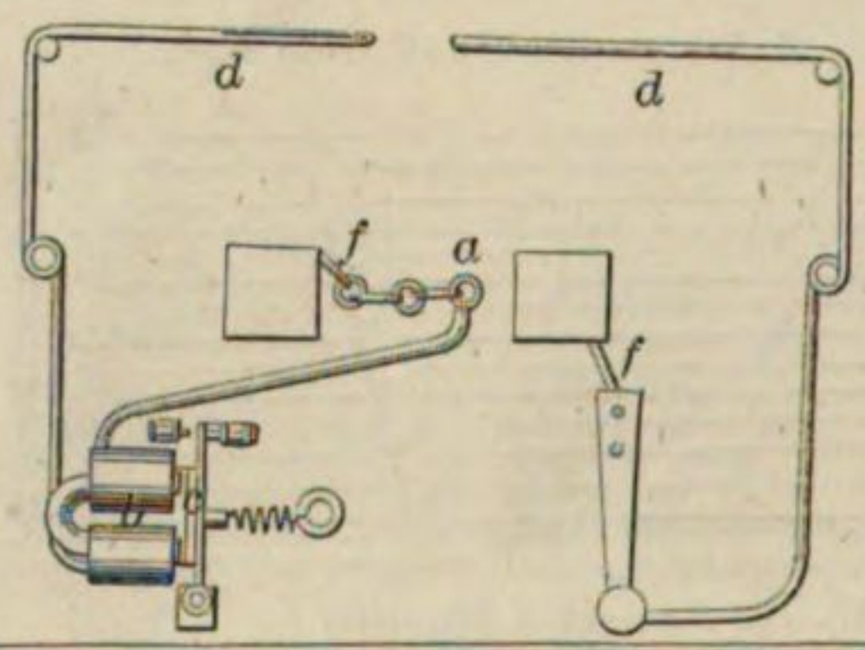
59760—U. Cummings—*Lime Kiln.*



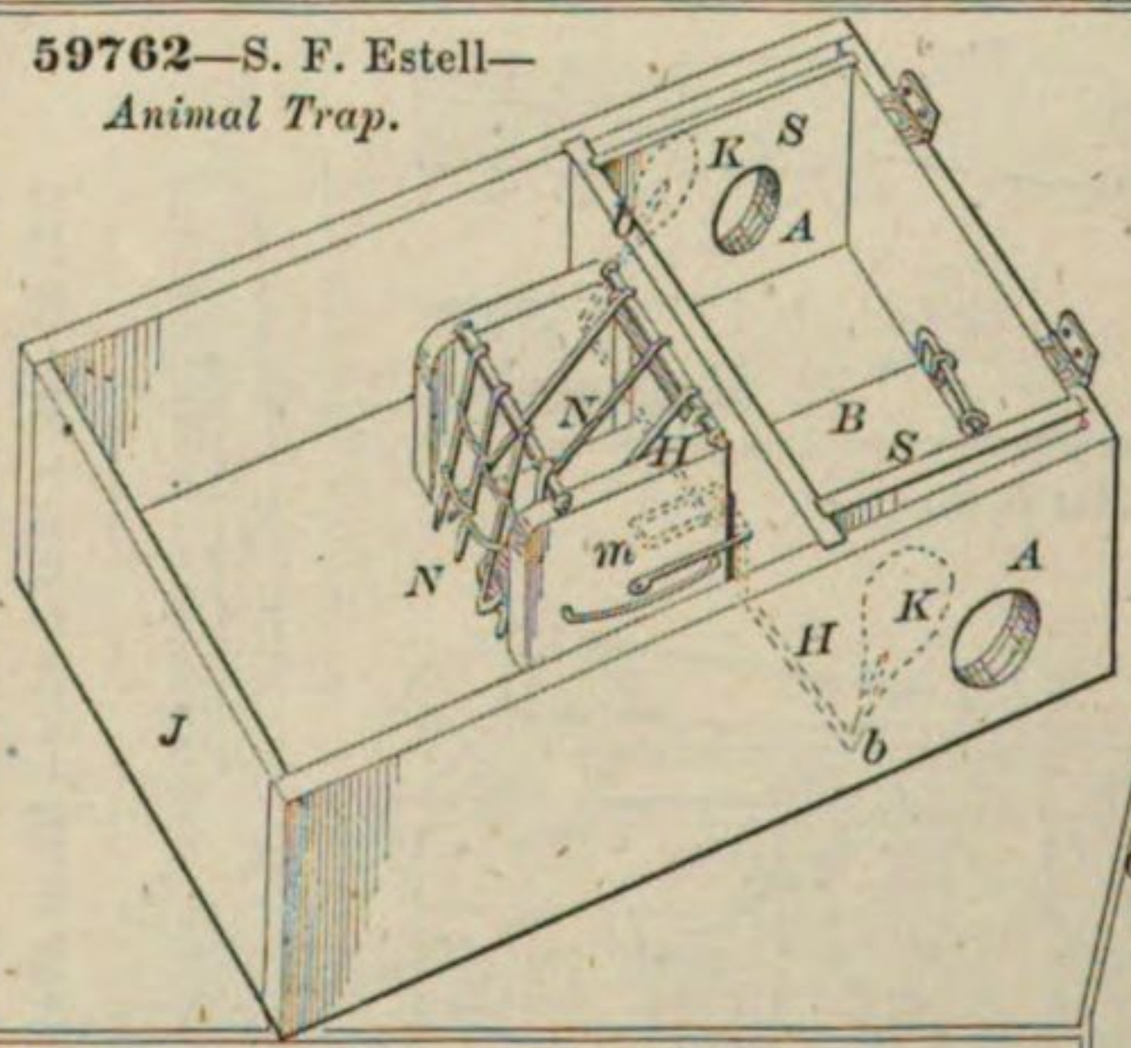
59761—E. K. Dutton—*For Measuring Liquids.*



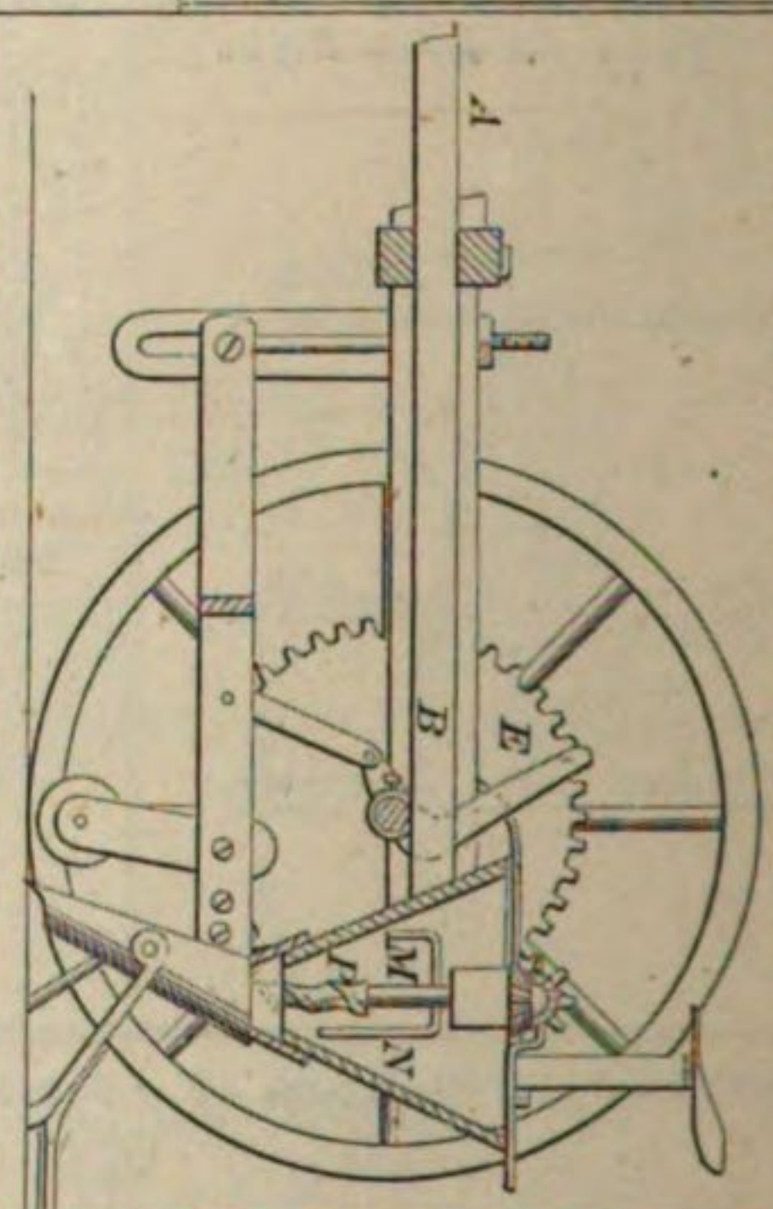
59763—Farmer & Milliken—*Telegraph Line Wire.*



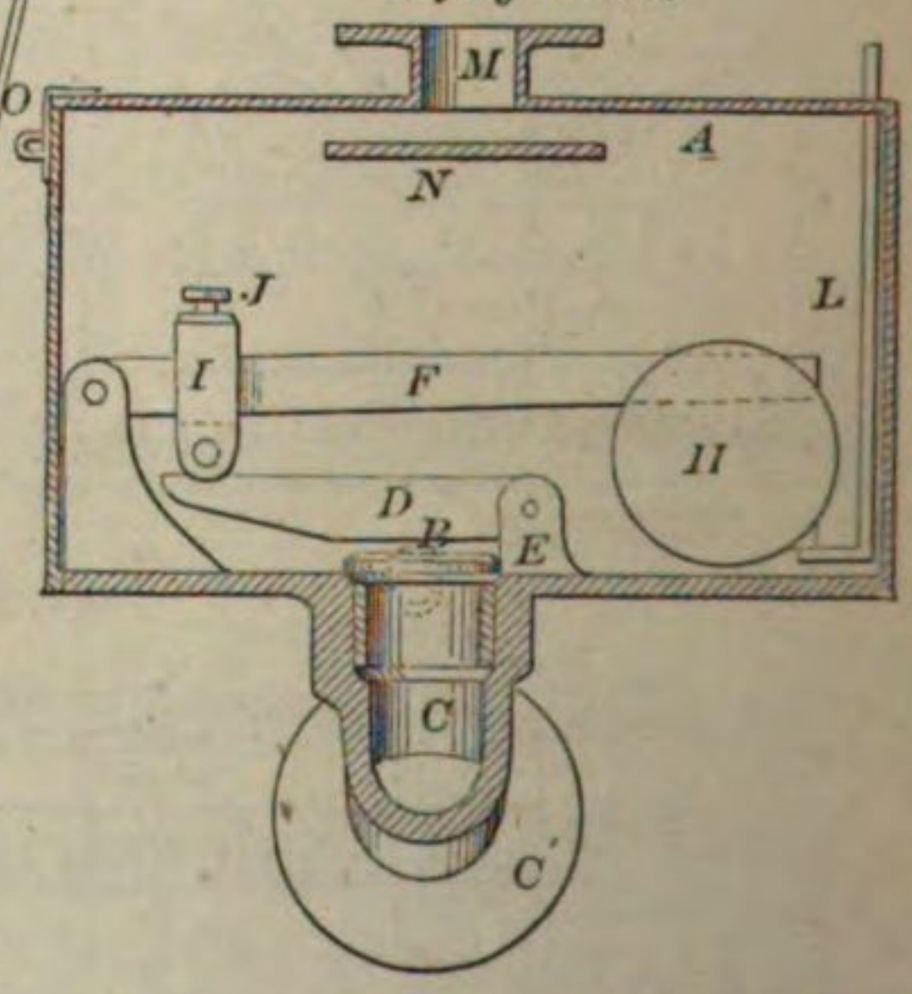
59762—S. F. Estell—*Animal Trap.*



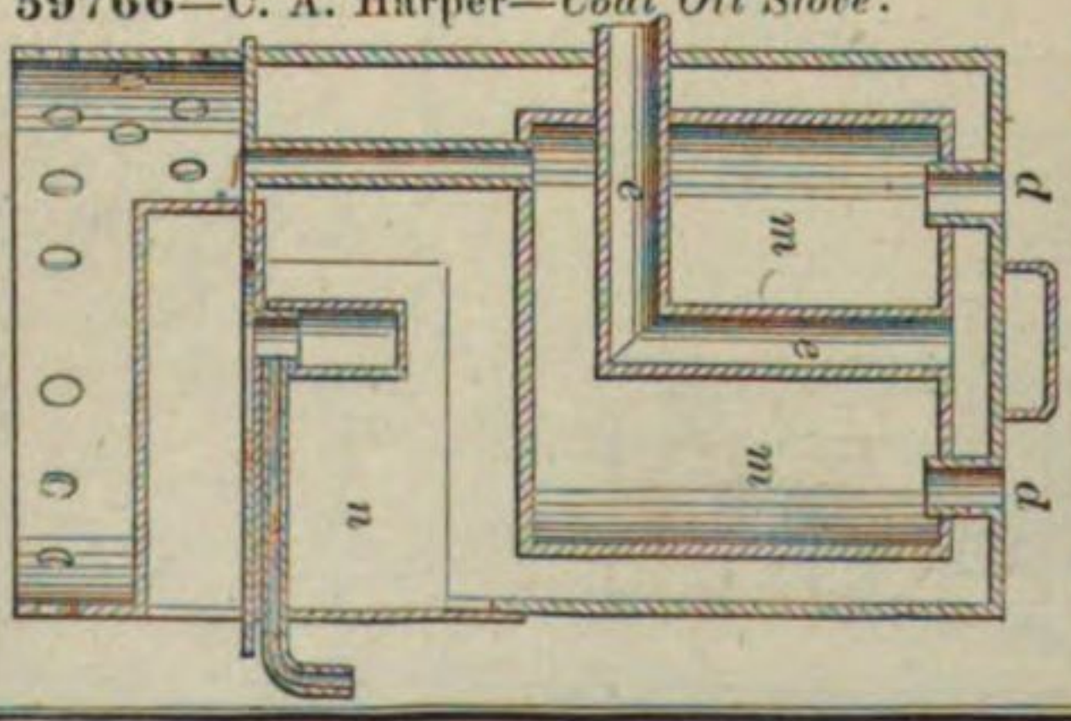
59765—Fell & Phifer—*Cotton Seed Planter.*



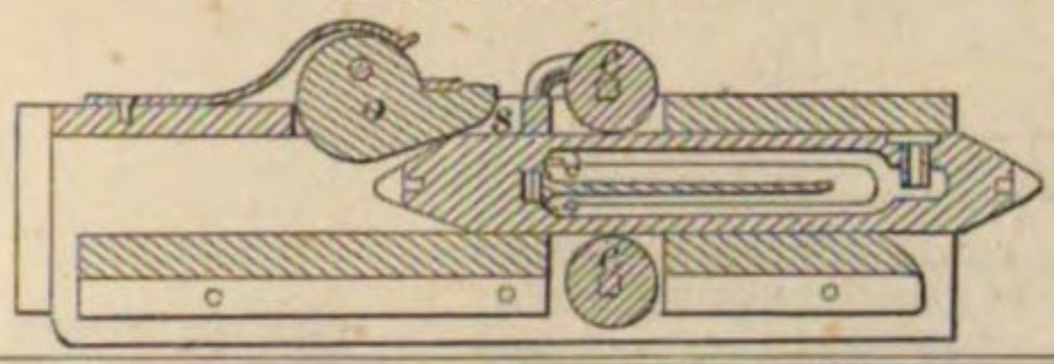
59764—C. M. Farrar—*Lock-up Safety Valve.*



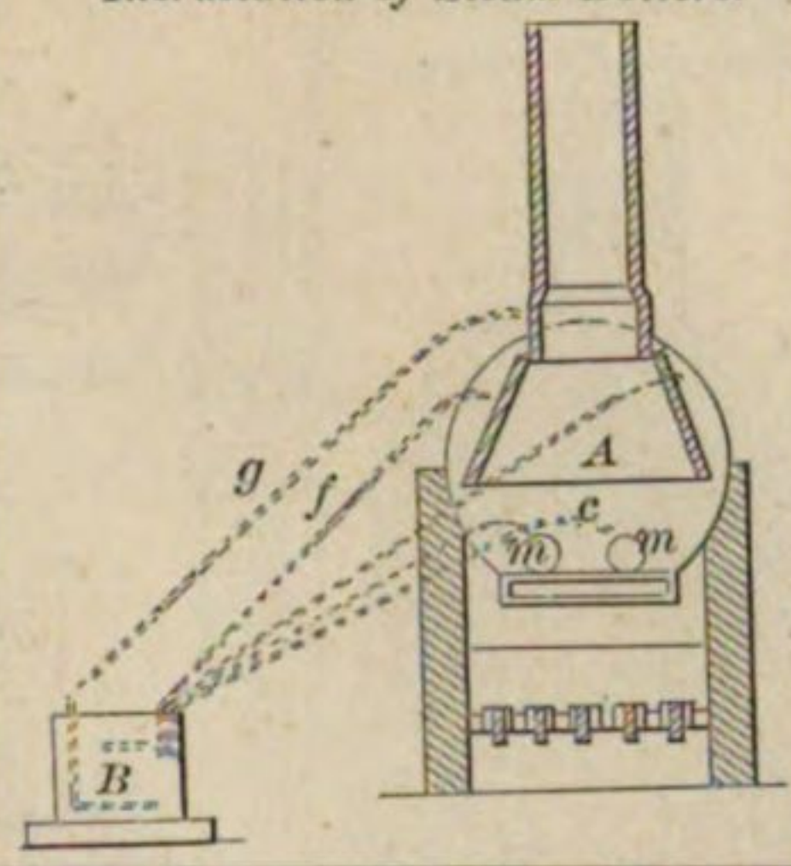
59766—C. A. Harper—*Coal Oil Stove.*



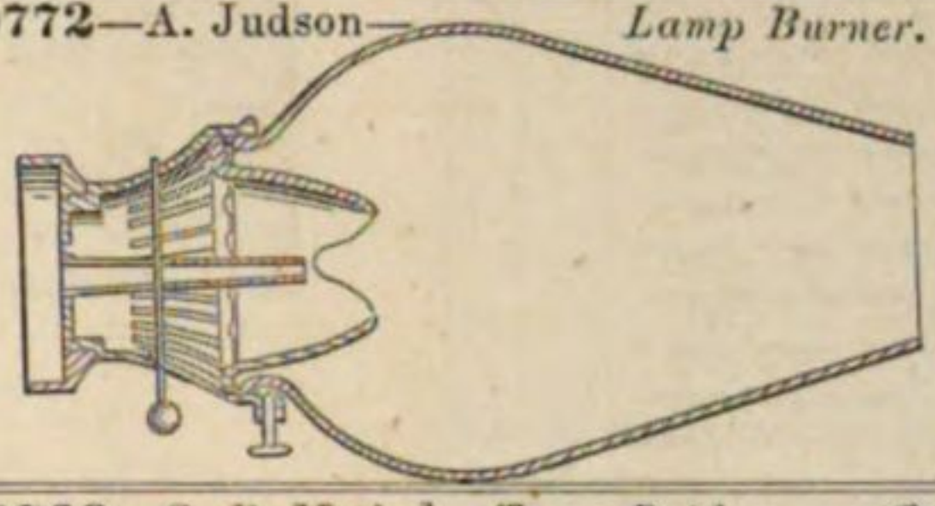
59767—J. J. & E. Harrison—*For Operating the Shuttles in Looms.*



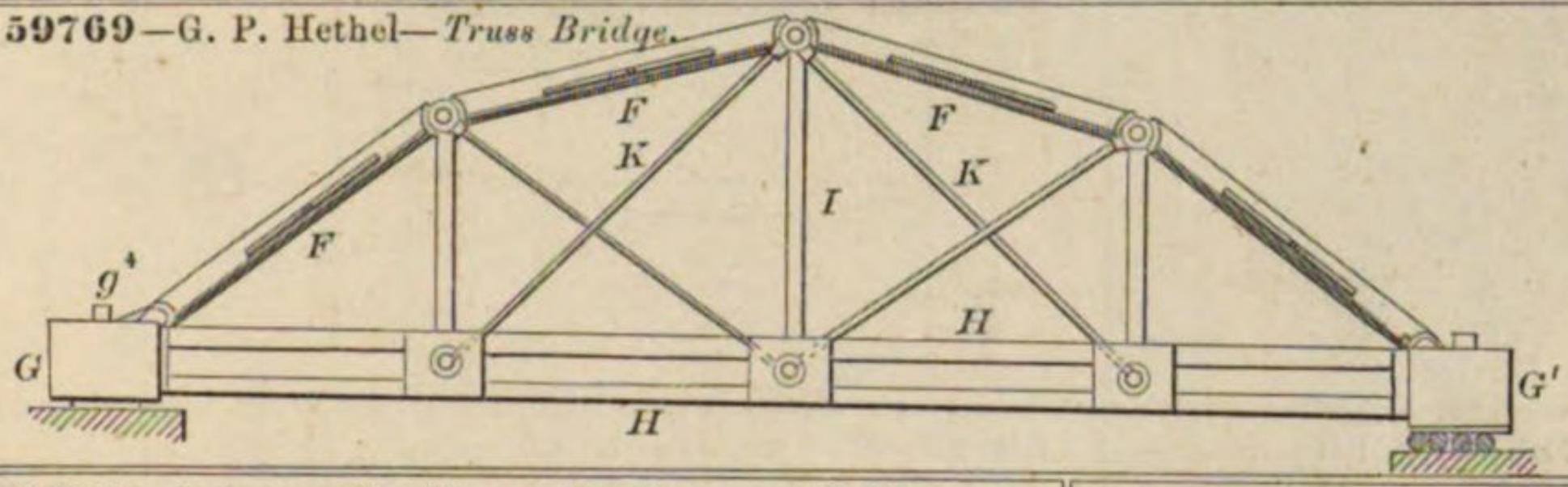
59768—A. T. Hay—*For Preventing Incrustation of Steam Boilers.*



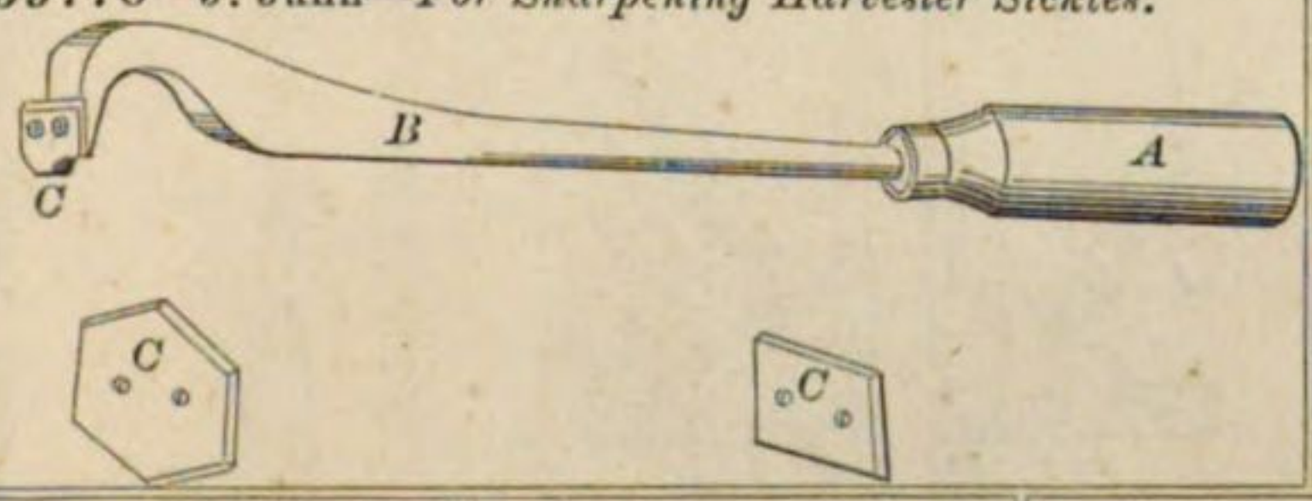
59772—A. Judson—*Lamp Burner.*



59769—G. P. Hethel—*Truss Bridge.*

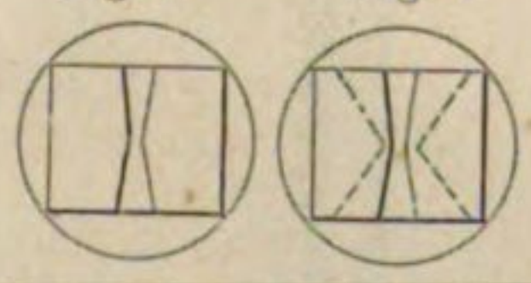


59770—J. Jann—*For Sharpening Harvester Sickles.*

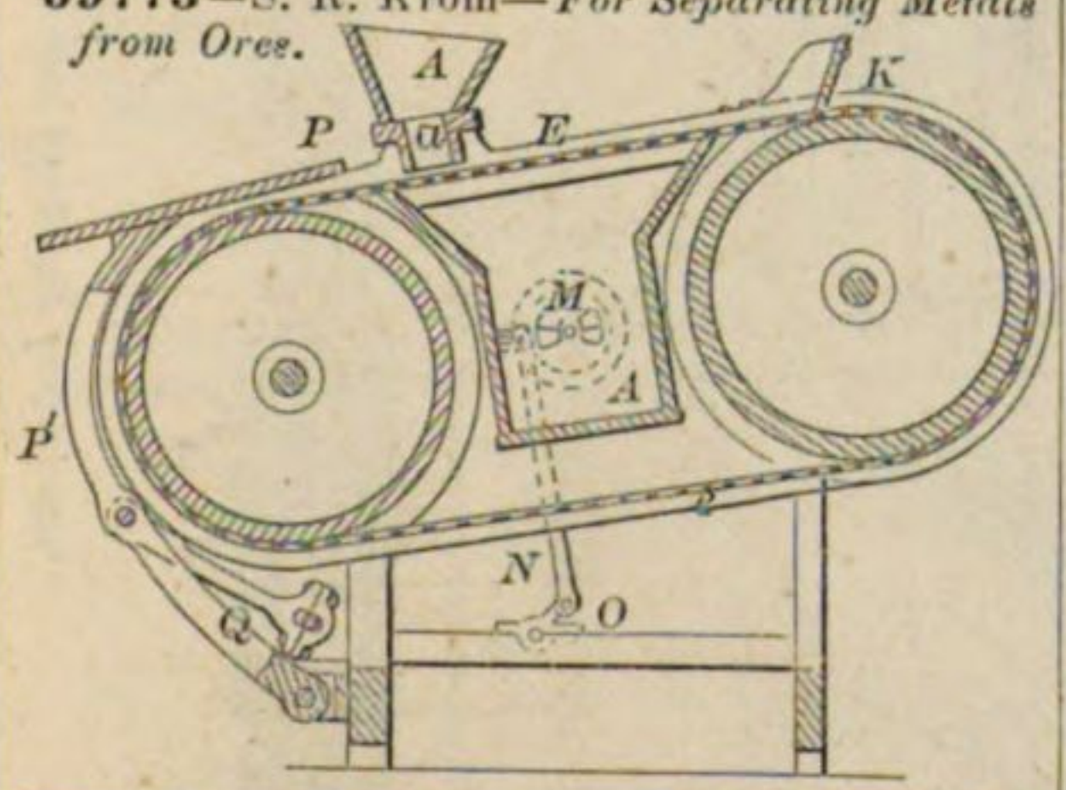


59778—J. C. Plumer—*Die for Cutting and Pointing Wire.*

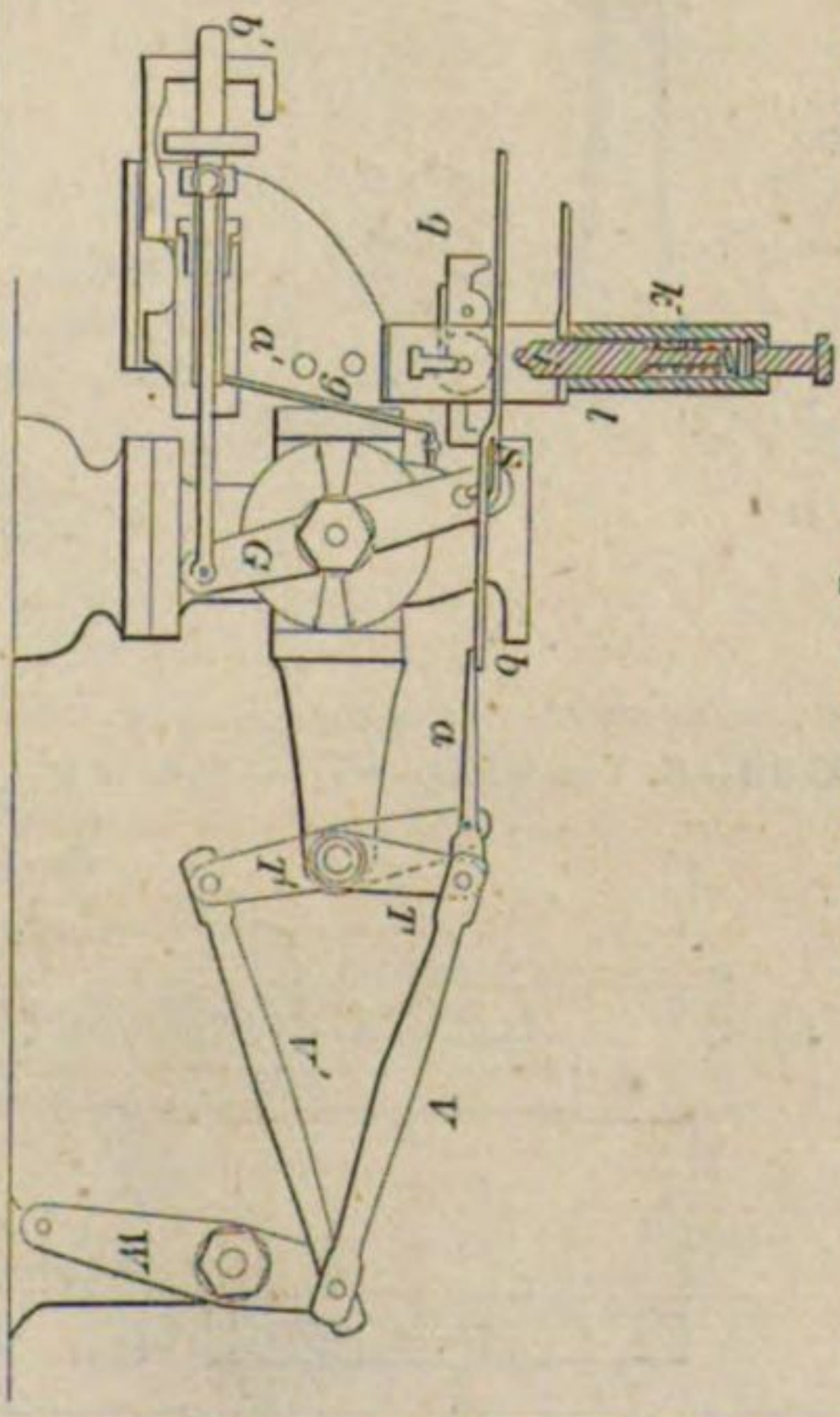
Fig. 3 Fig. 4



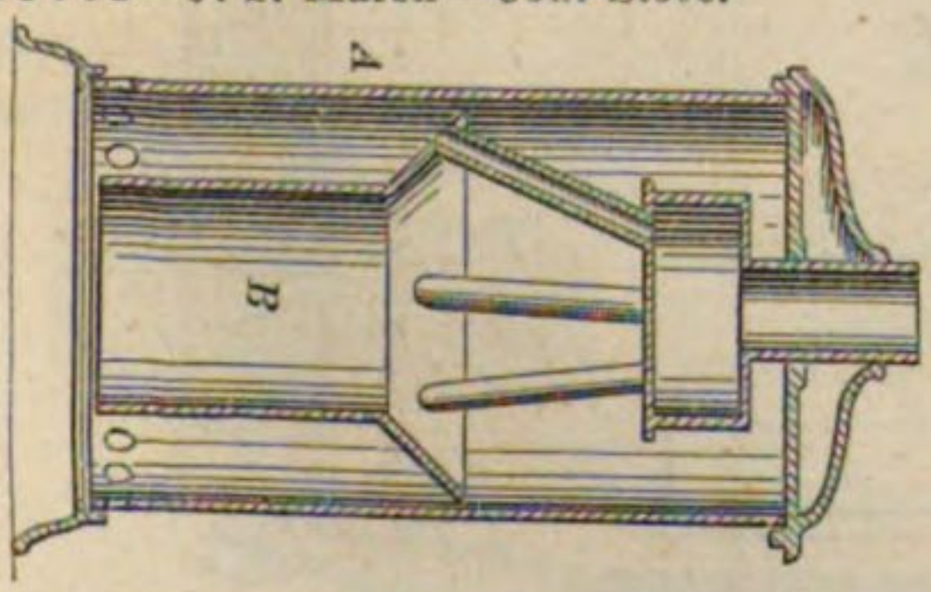
59773—S. R. Krom—*For Separating Metals from Ores.*



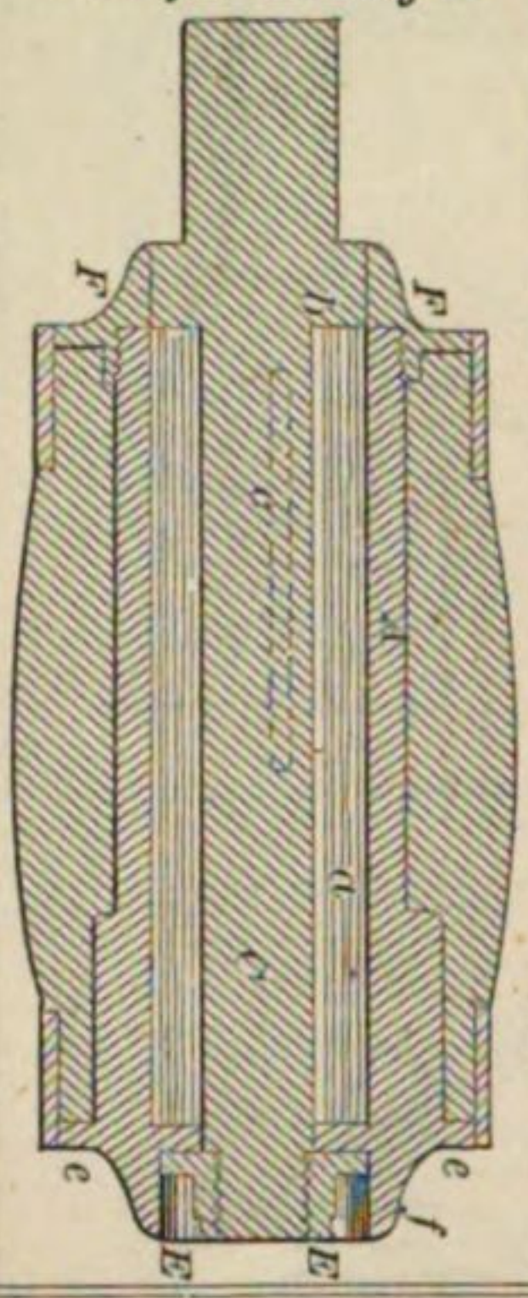
59777—W. G. Pike—*Cut-off Valve Gear.*



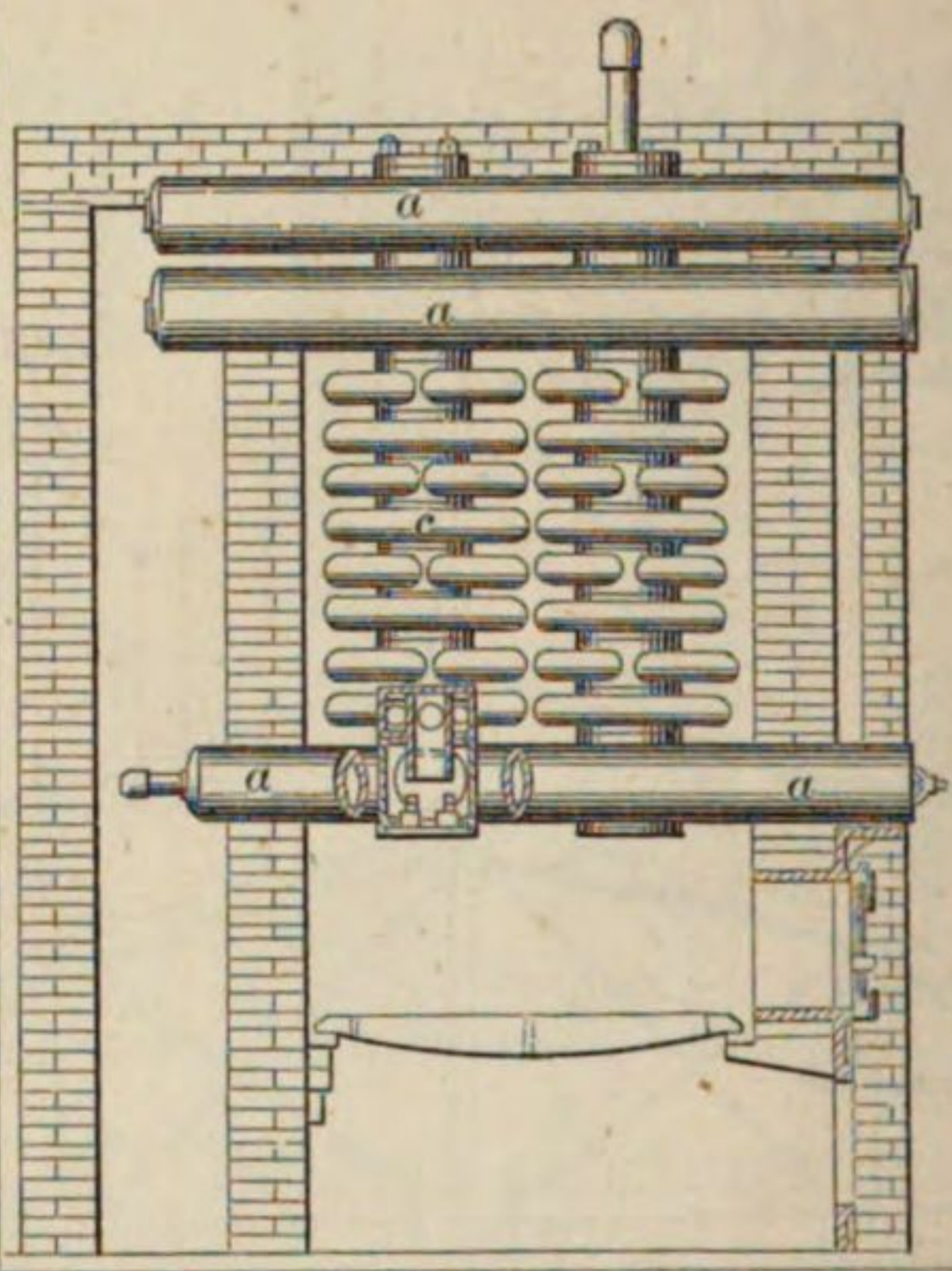
59775—J. S. Marsh—*Coal Stove.*



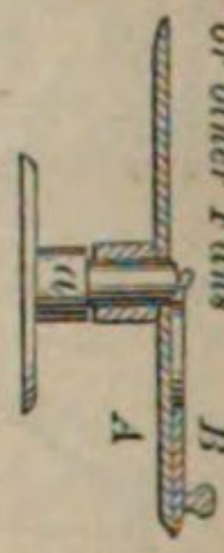
59779—S. S. Putnam—*Self-Lubricating Axle Box for Carriages.*



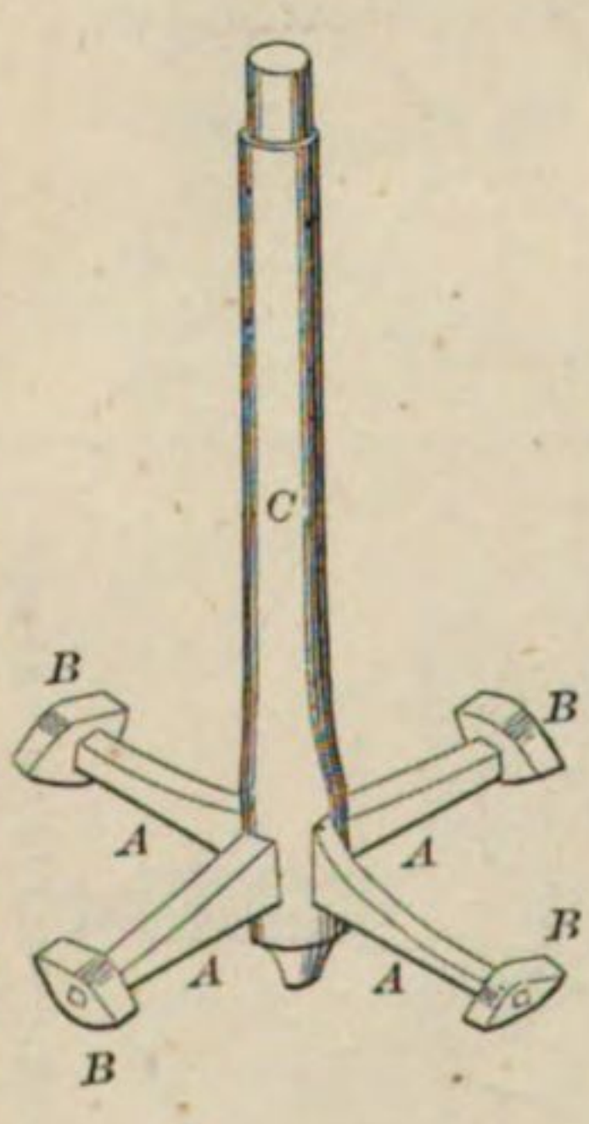
59780—E. Reynolds—*Steam Generator.*



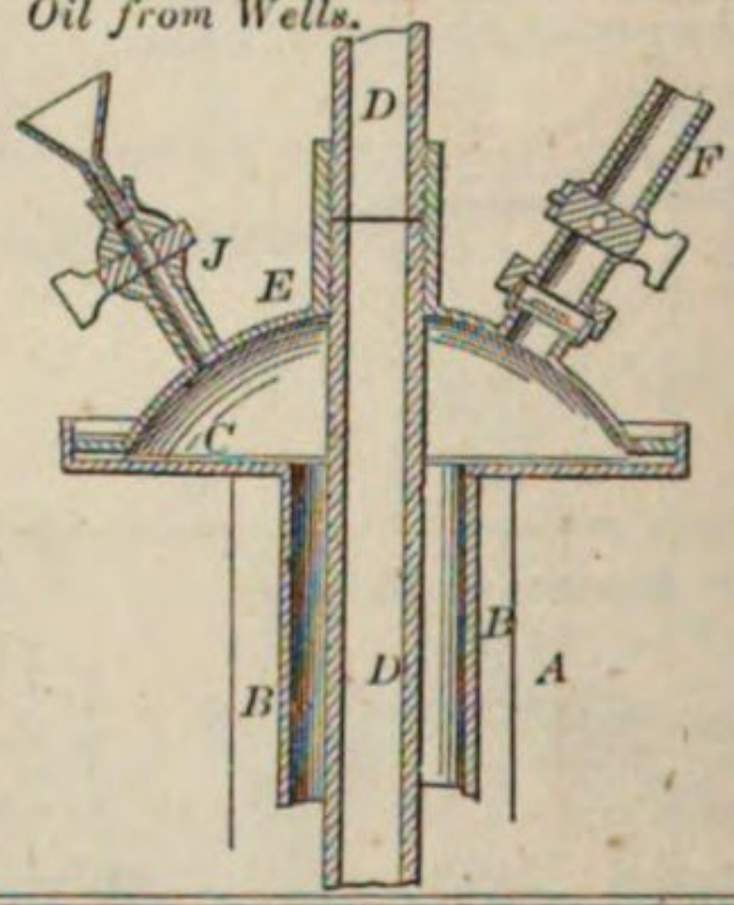
59783—R. T. Smith—*For Binding Circular Paper or other Fans*



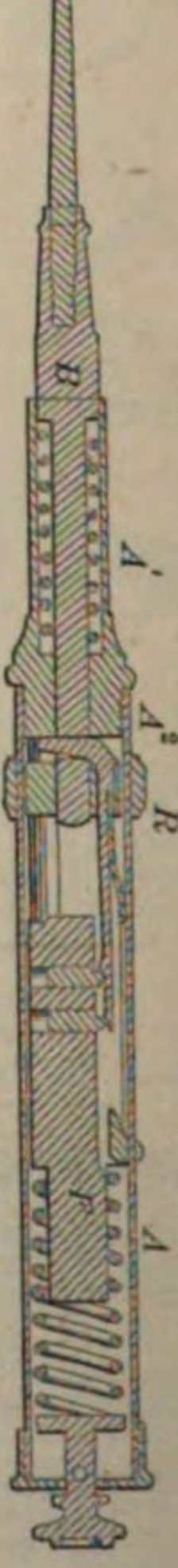
59781—J. T. Rittenhouse—*Churn Dasher.*



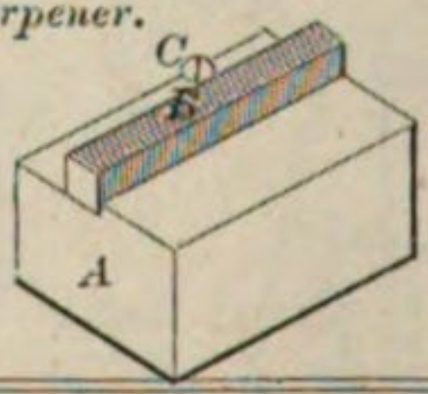
59782—W. Shoupe—*For Obtaining Oil from Wells.*



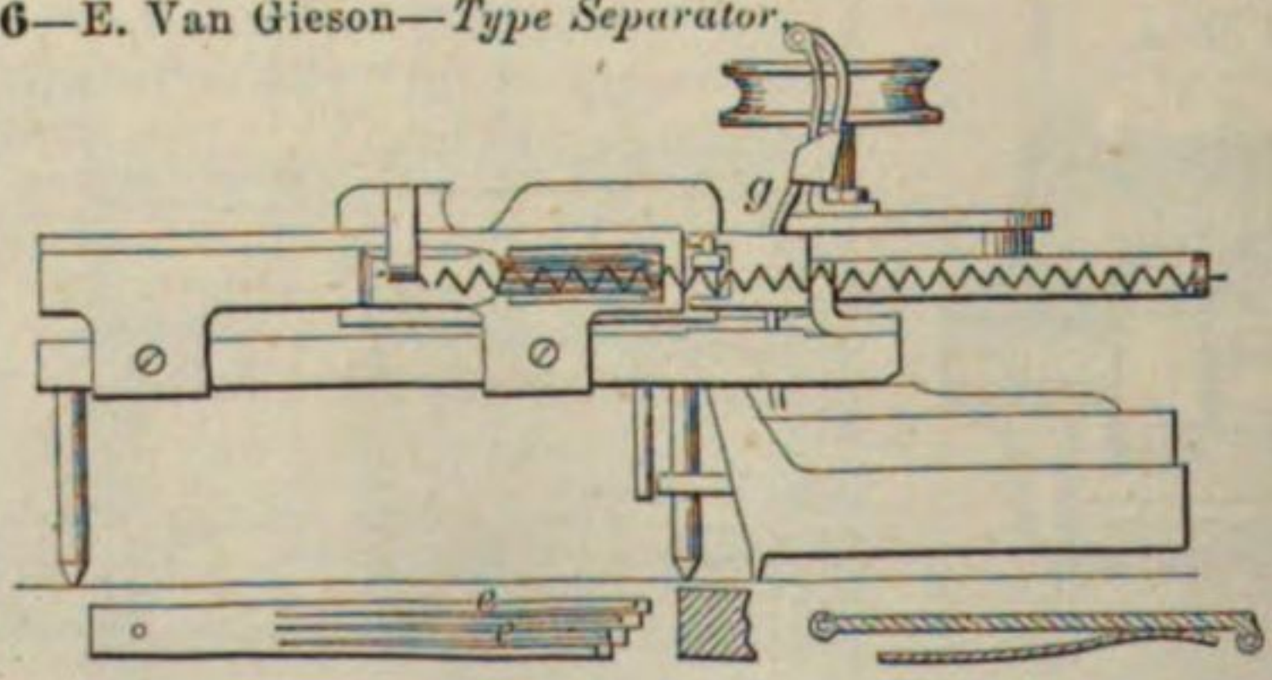
59784—Snow & Lowis—*Dental Plugging Instrument.*



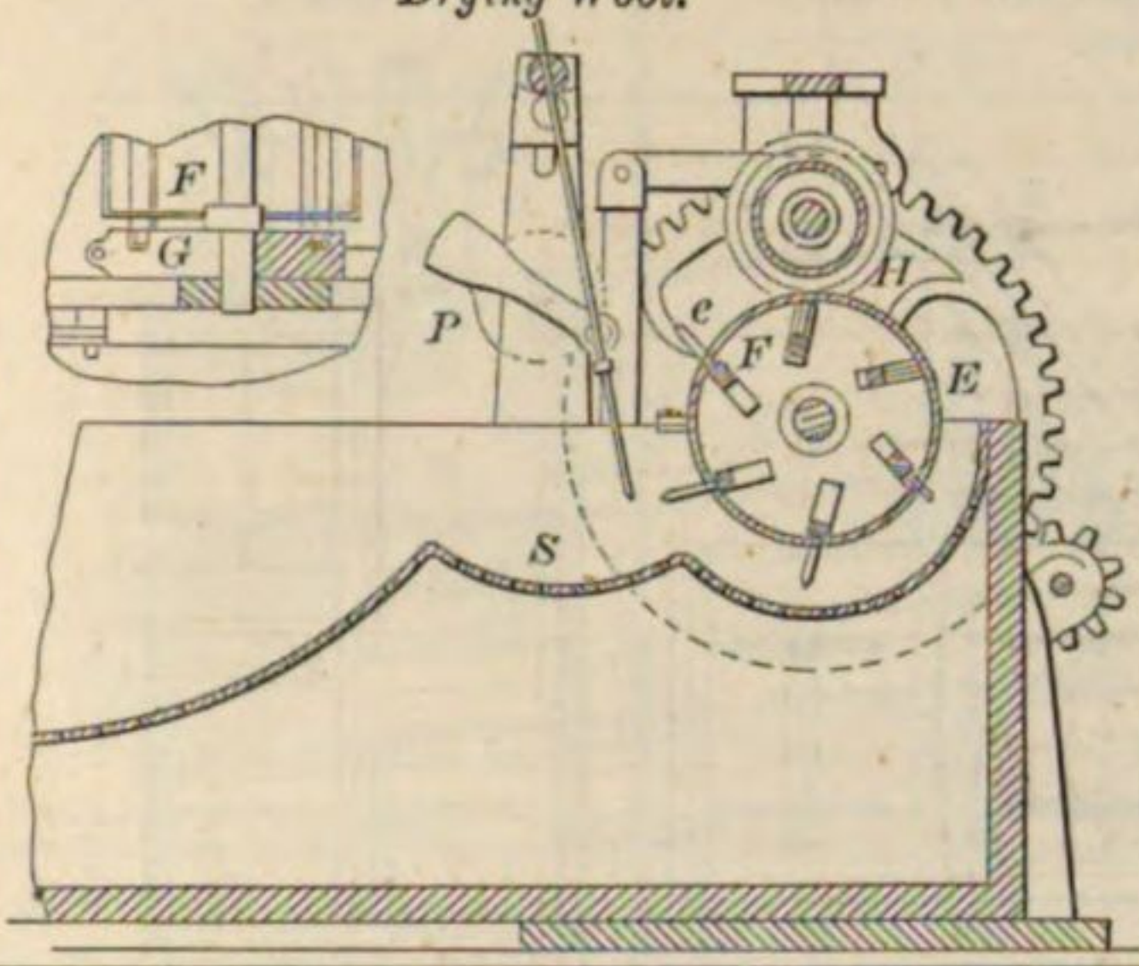
59785—J. J. Tobey—*Scissors Sharpener.*



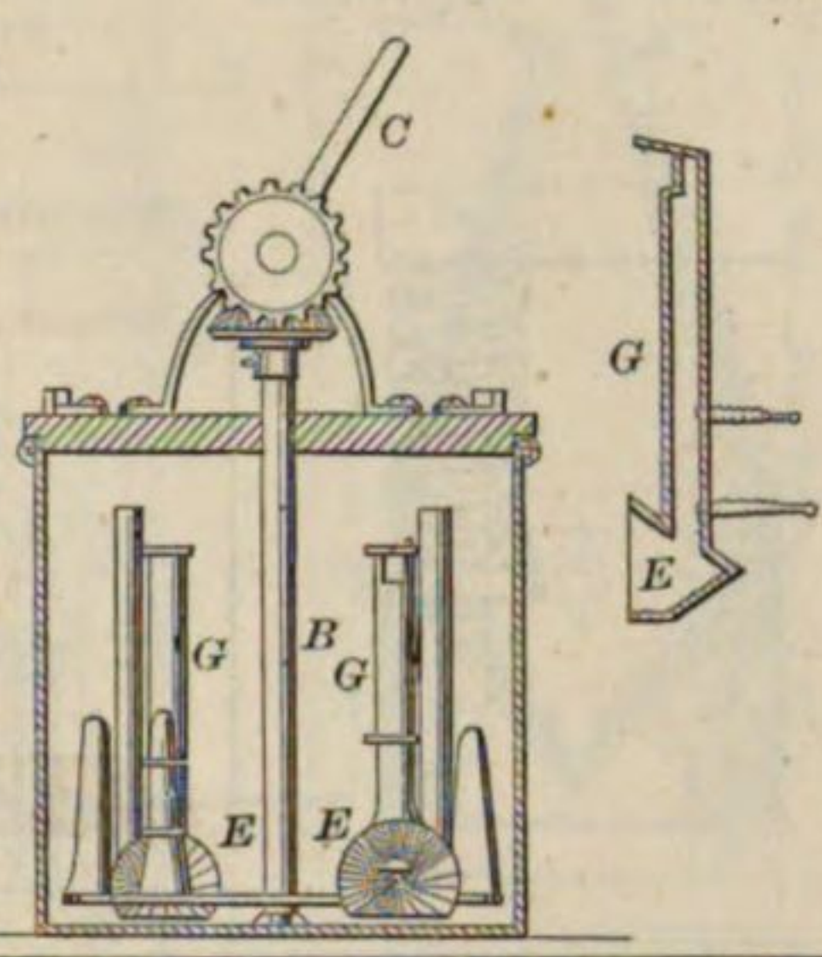
59786—E. Van Gieson—*Type Separator.*



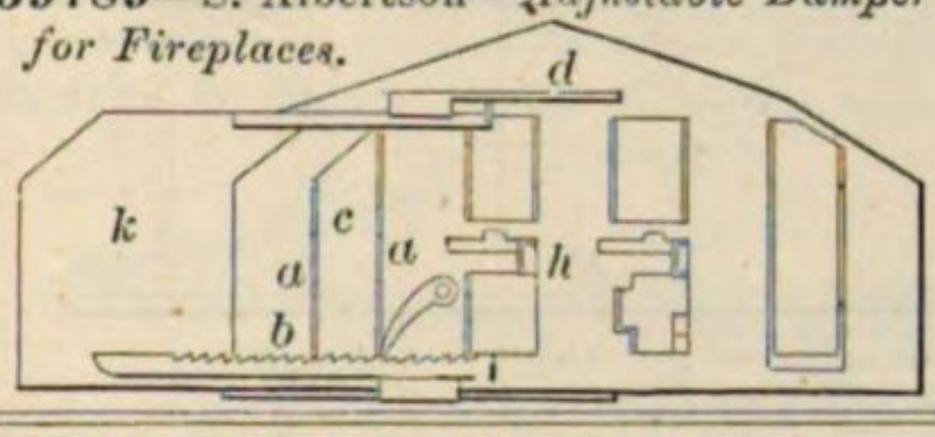
59788—J. & W. Yewdall—*For Washing and Drying Wool.*



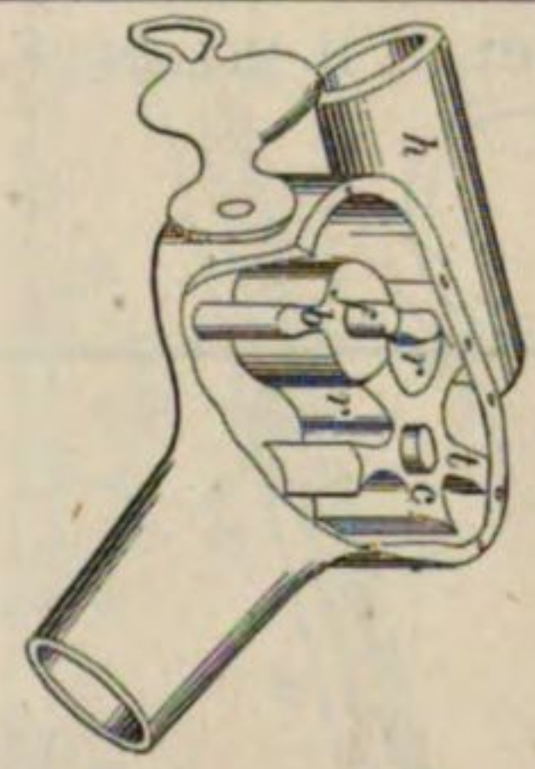
59790—J. Davis, 2d—*Churn.*

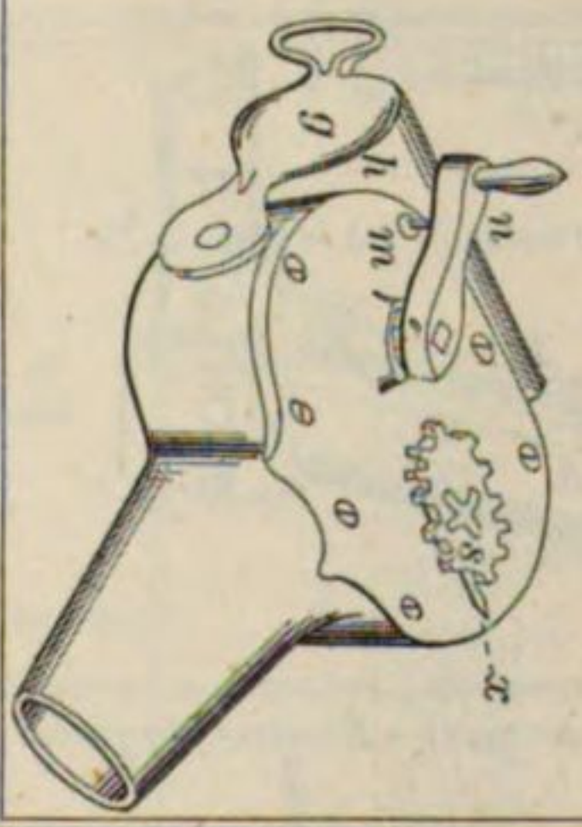


59789—S. Albertson—*Adjustable Damper for Fireplaces.*

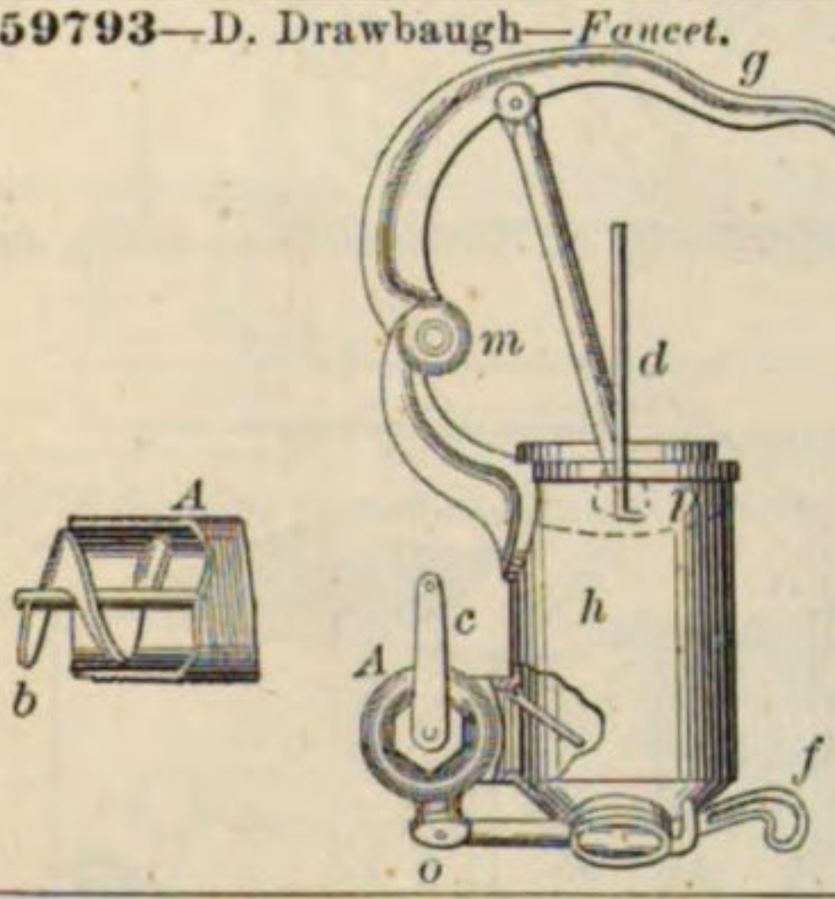


59792—D. Drawbaugh—*Faucet.*

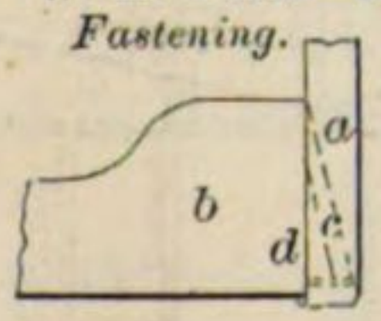




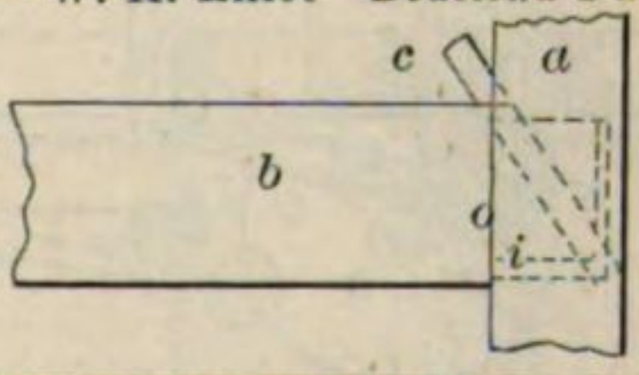
59793—D. Drawbaugh—*Faucet.*



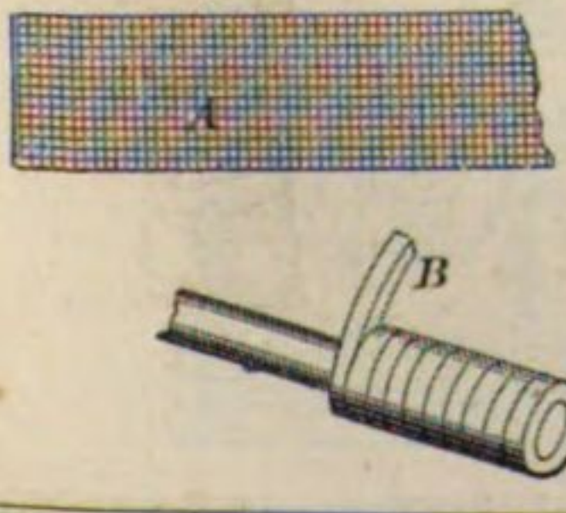
59794—W. H. Elliot—*Bedstead Fastening.*



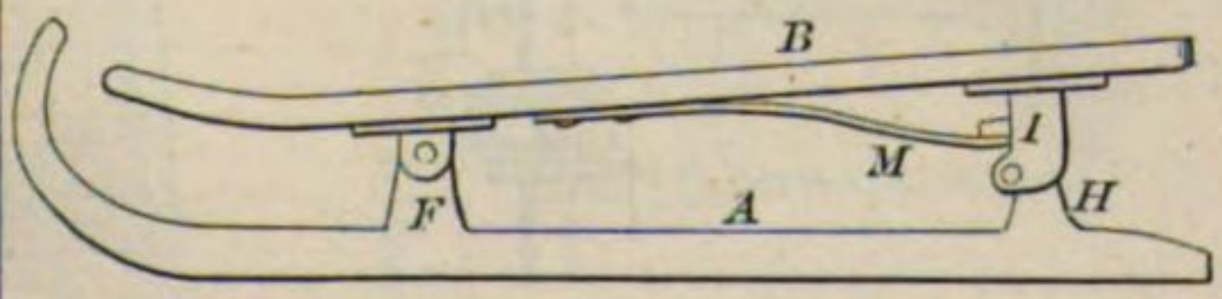
59795—W. H. Elliot—*Bedstead Fastening.*



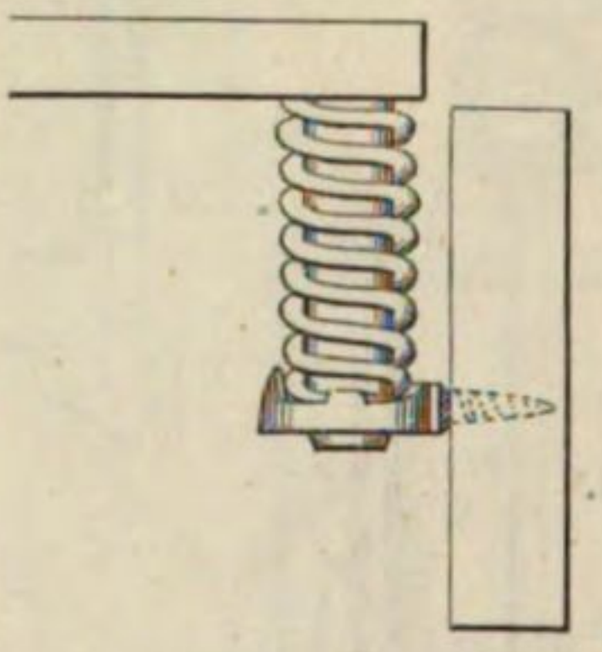
59798—J. B. Forsyth—*Clothes Wringer Roller.*



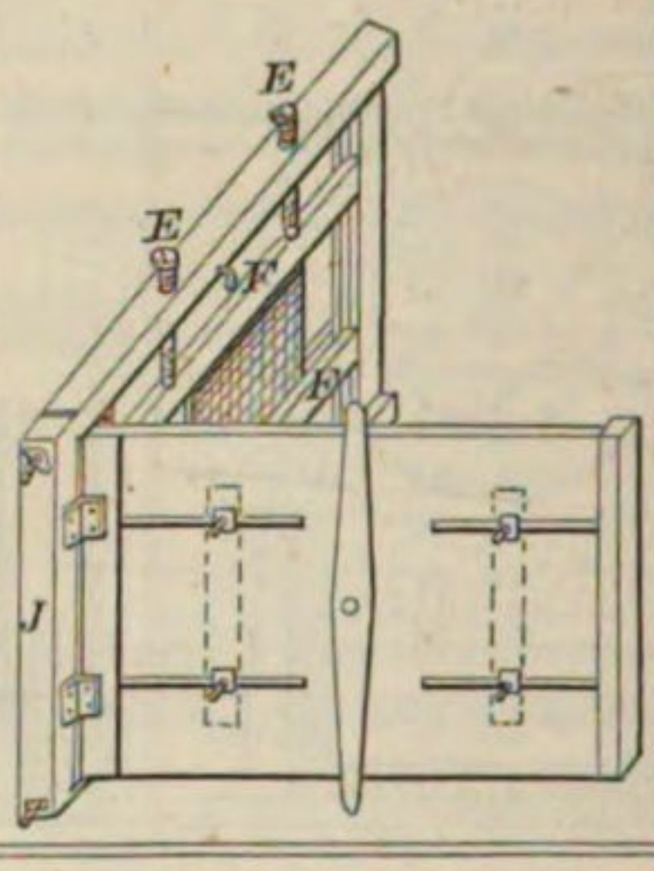
59796—A. W. Elmer—*Skate.*



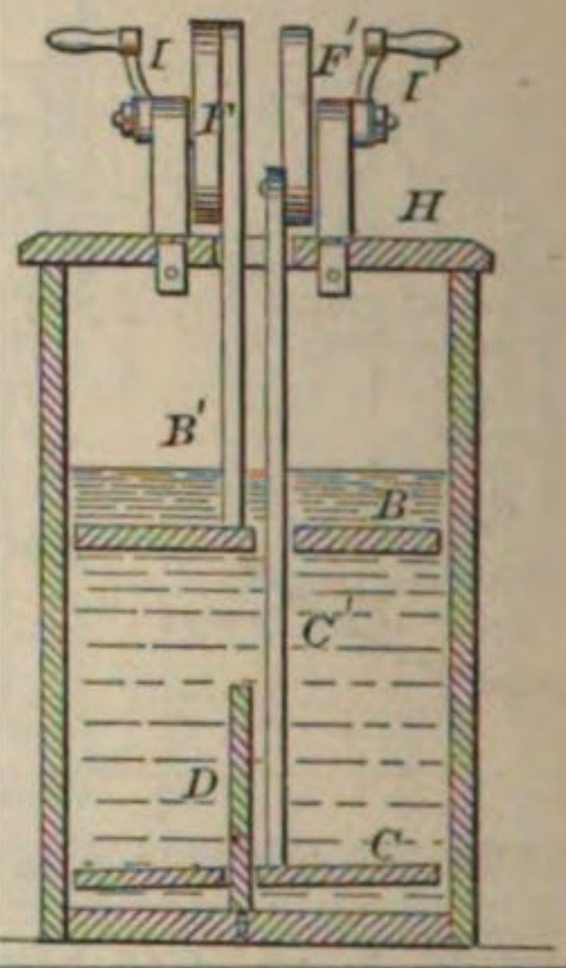
59799—R. Lapham—*Spring Holder for Bed Bottoms.*



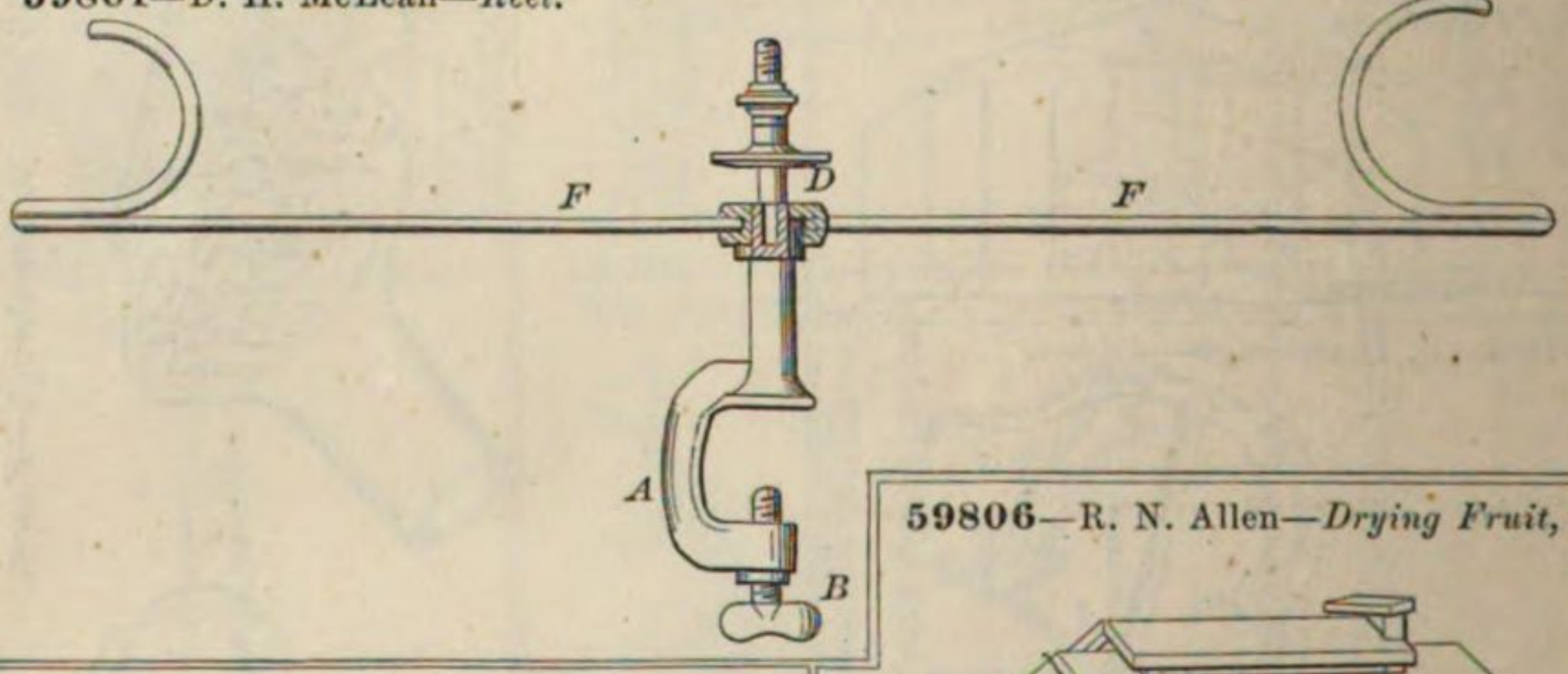
59800—C. L. Lochman—*Photographic Printing Frame.*



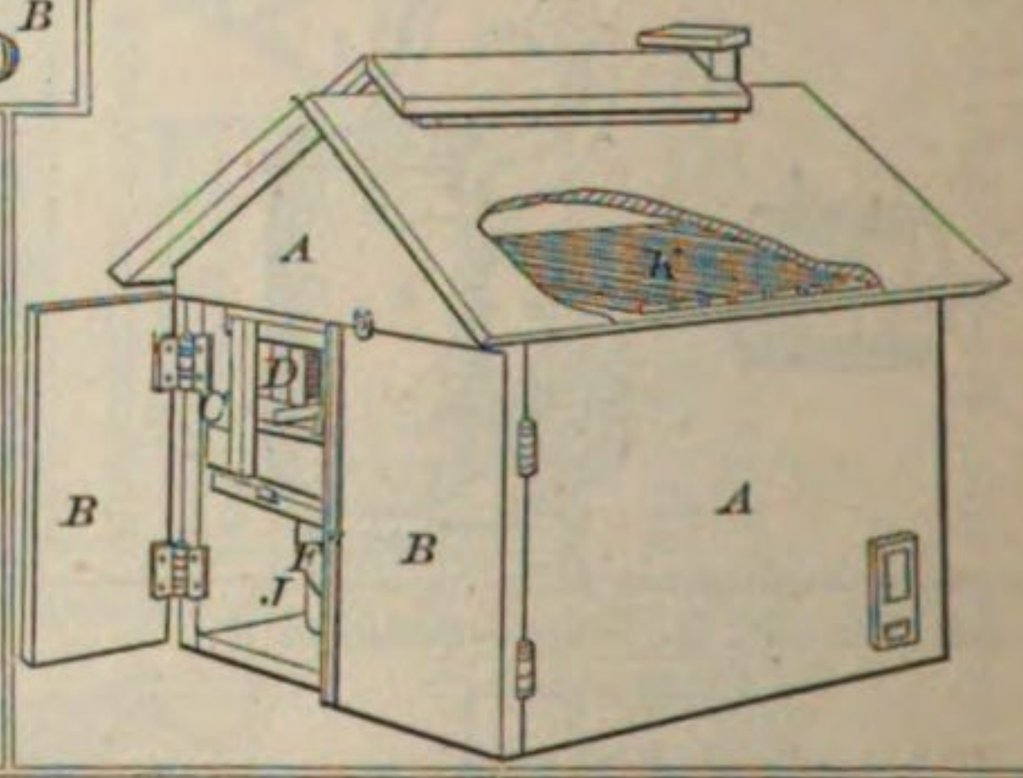
59802—E. McMillan, Jr.—*Churn.*



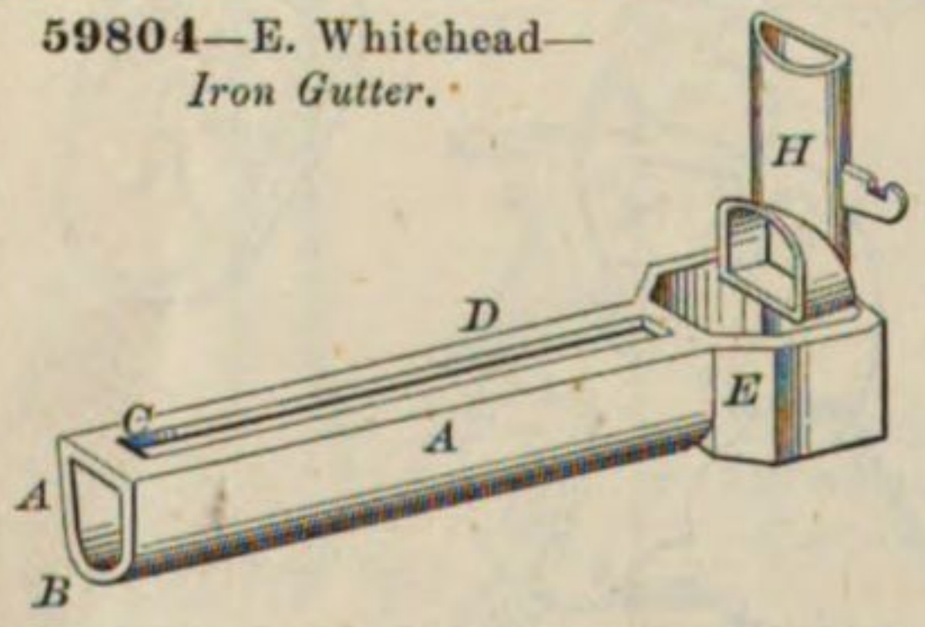
59801—D. H. McLean—*Reel.*



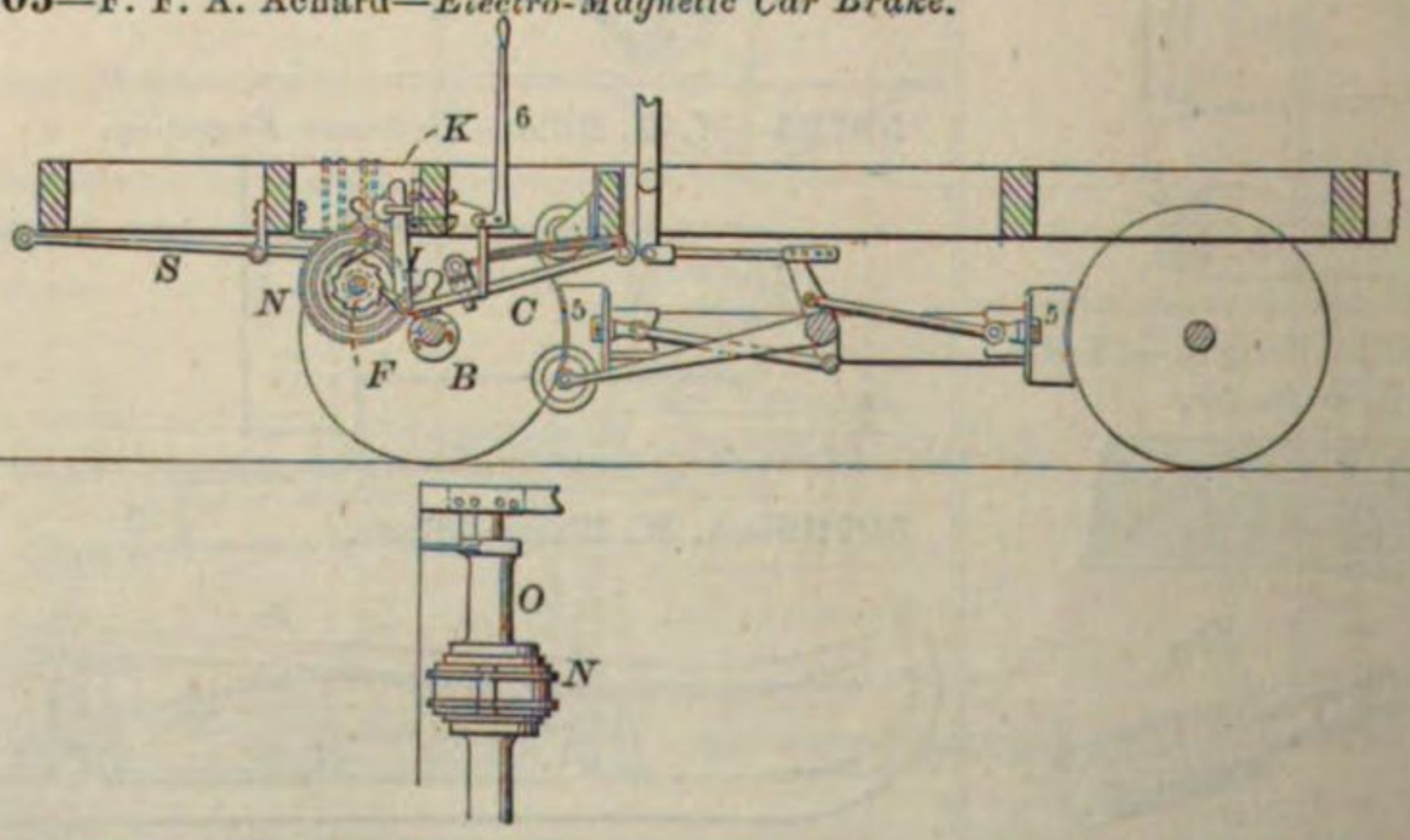
59806—R. N. Allen—*Drying Fruit, &c.*



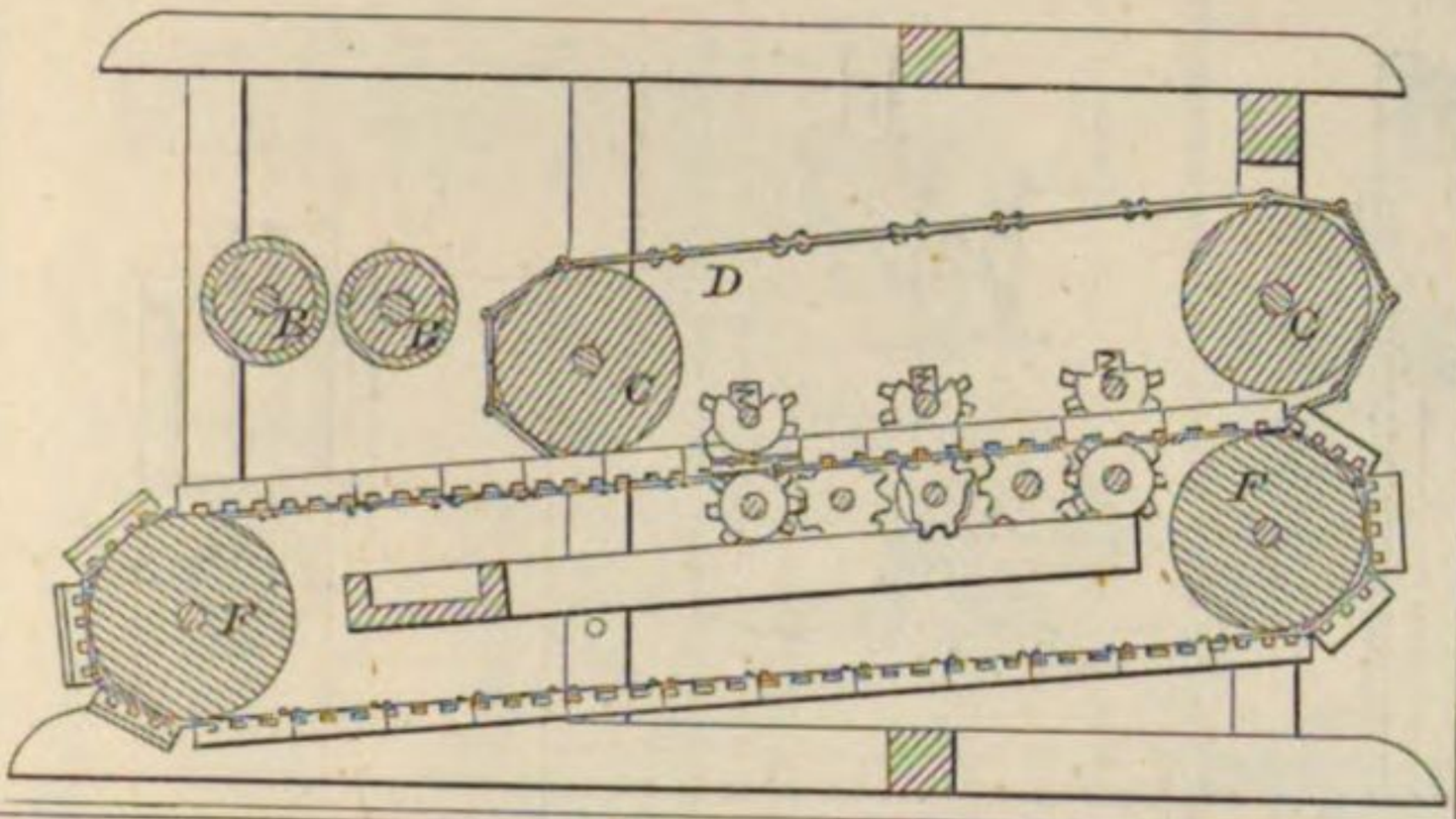
59804—E. Whitehead—*Iron Gutter.*



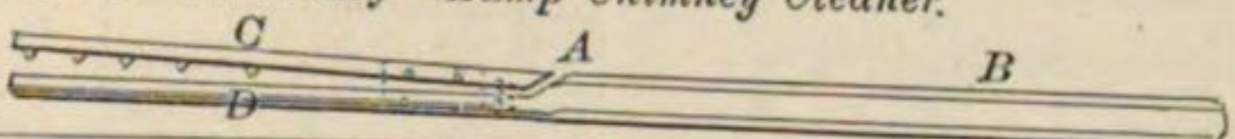
59805—F. F. A. Achard—*Electro-Magnetic Car Brake.*



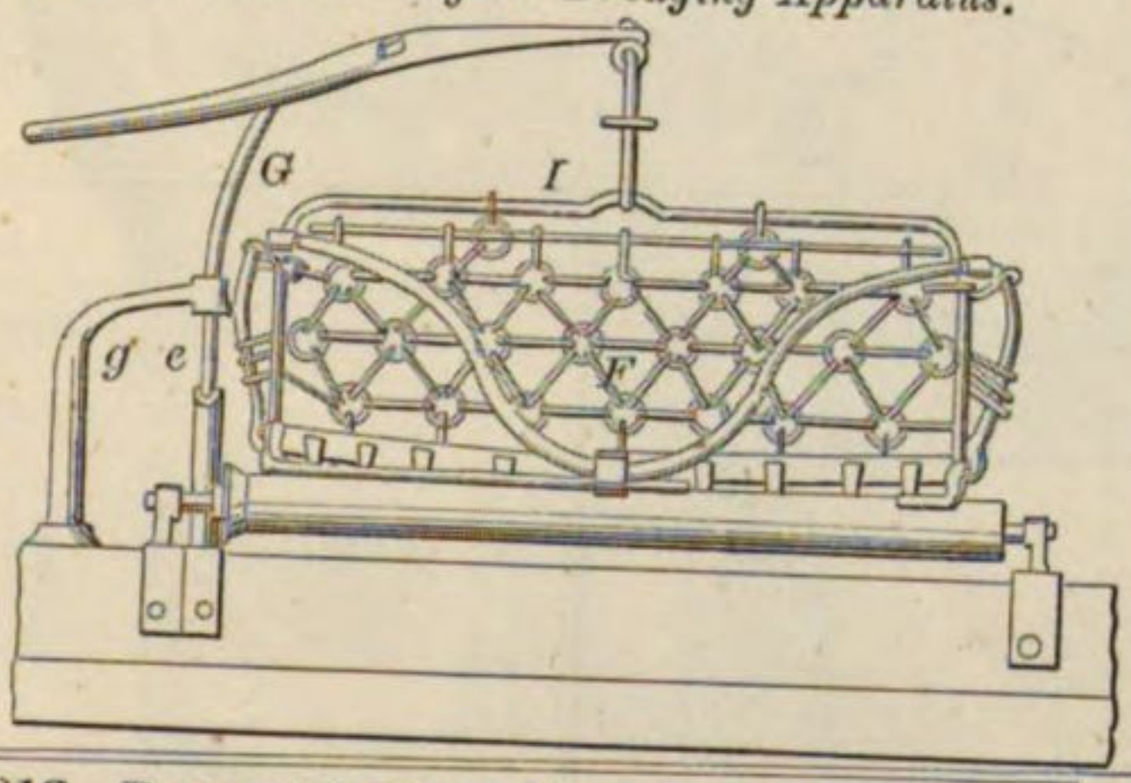
59807—T. Appelget—*Cider Mill.*



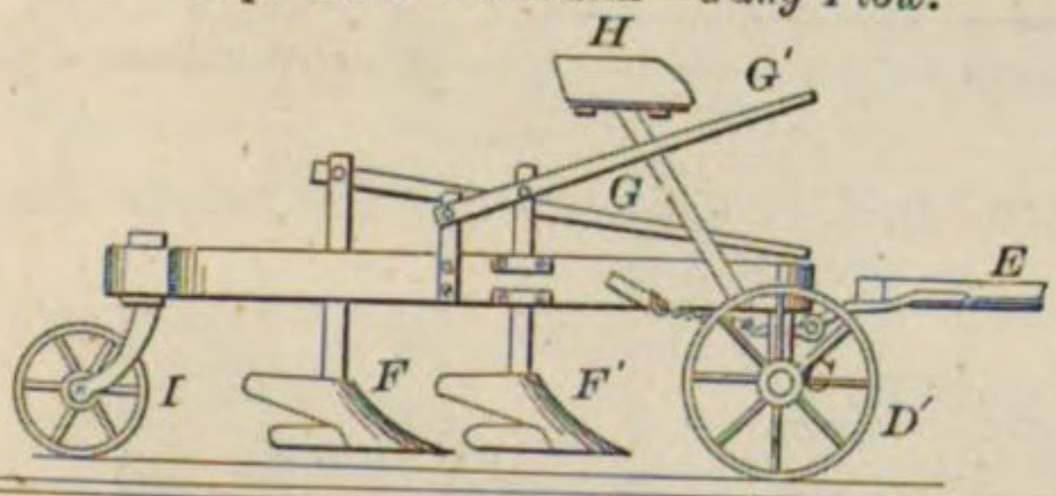
59808—F. Ashley—*Lamp Chimney Cleaner.*



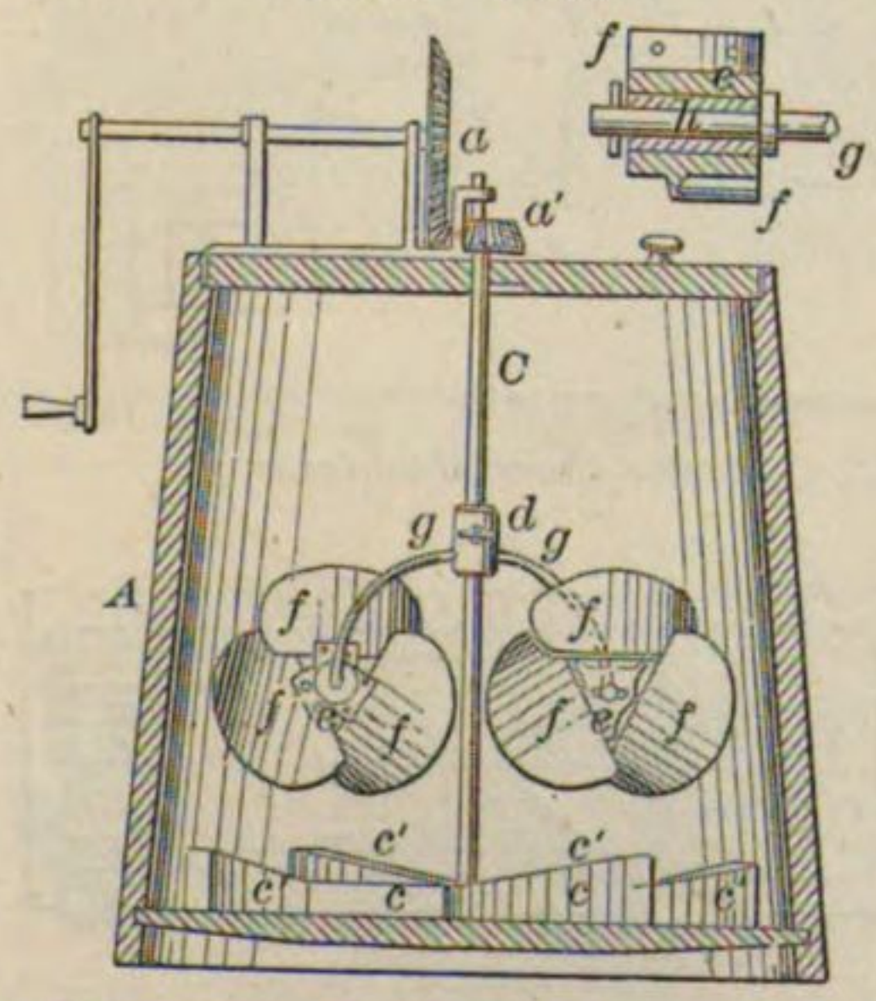
59812—W. Belbin—*Oyster Dredging Apparatus.*



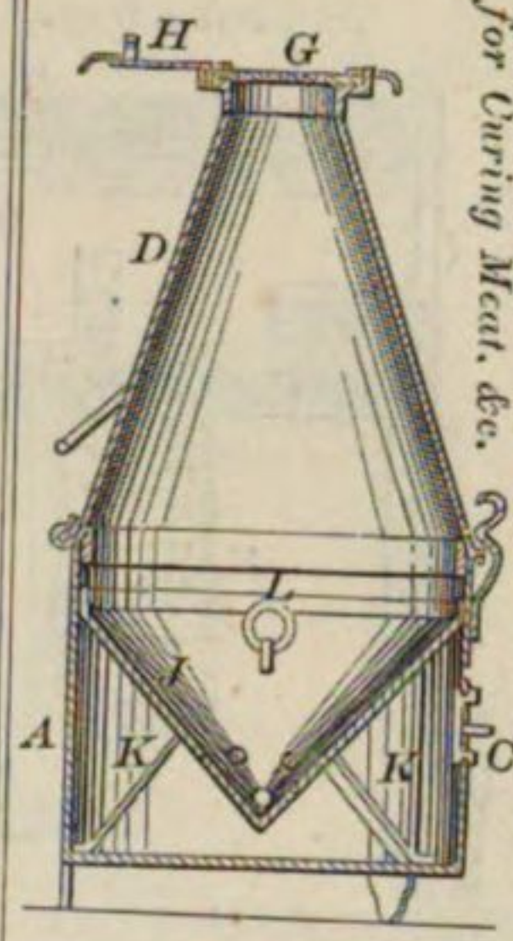
59813—Bequeret & Dumoulin—*Gang Plow.*



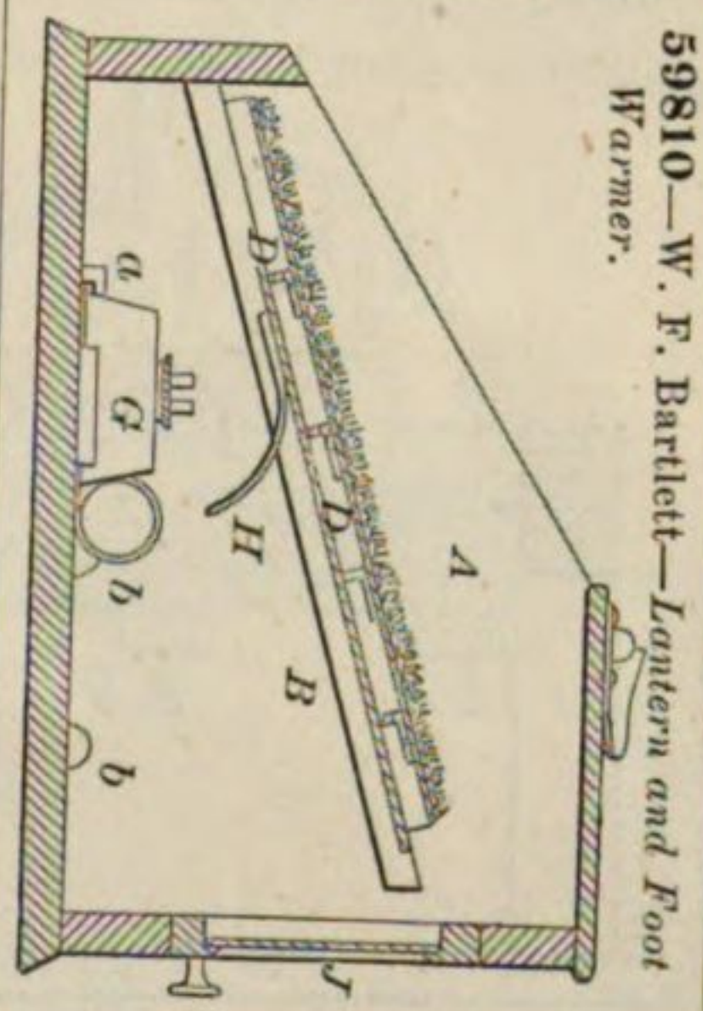
59811—E. H. Beckwith—*Churn.*



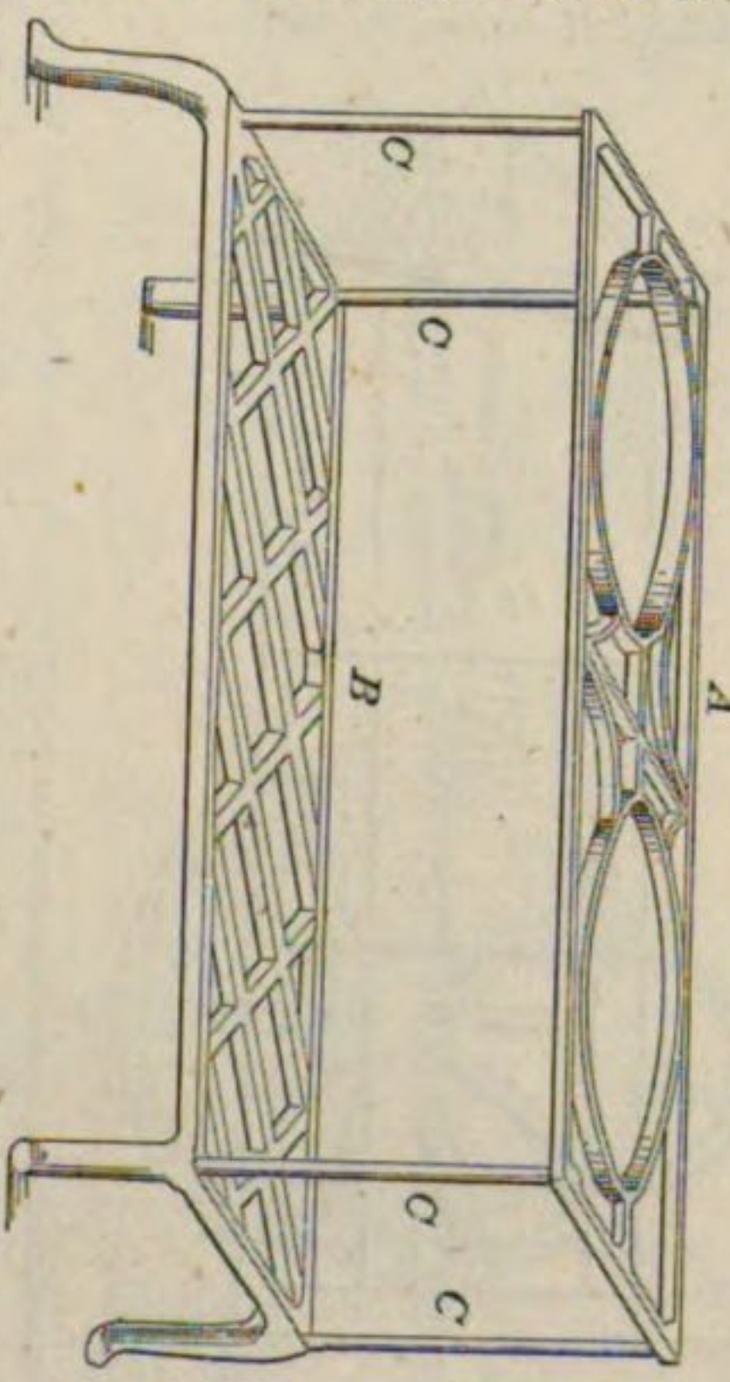
59809—J. I. Baringer—*Smoke Furnace for Curing Meat, &c.*



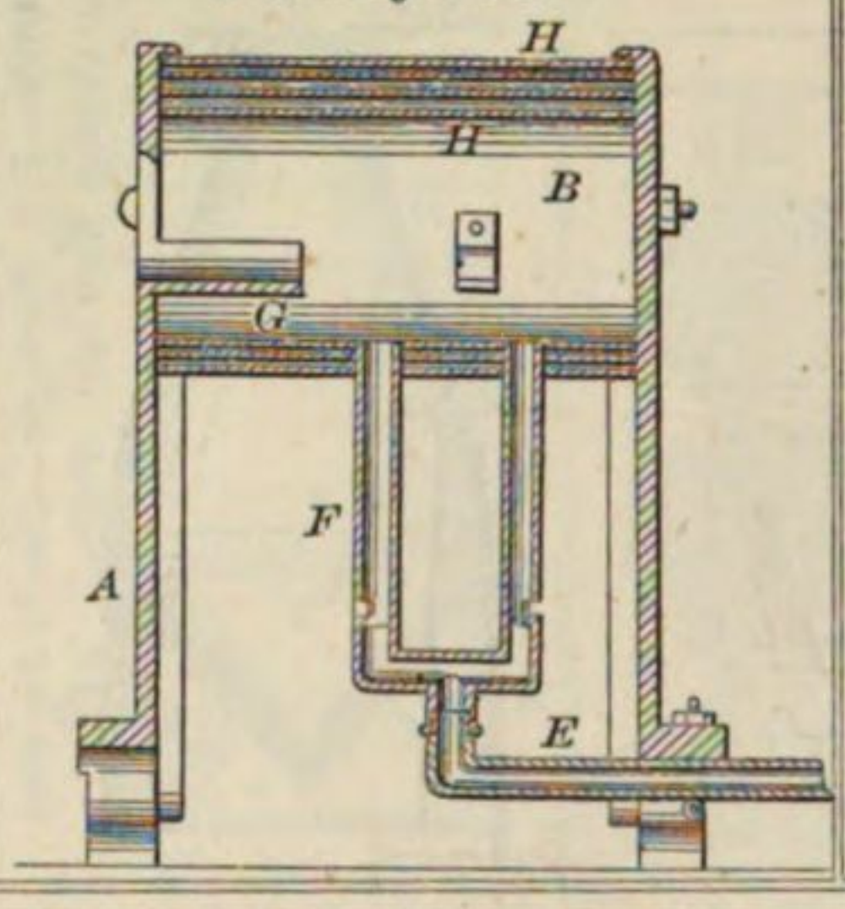
59810—W. F. Bartlett—*Lantern and Foot Warmer.*



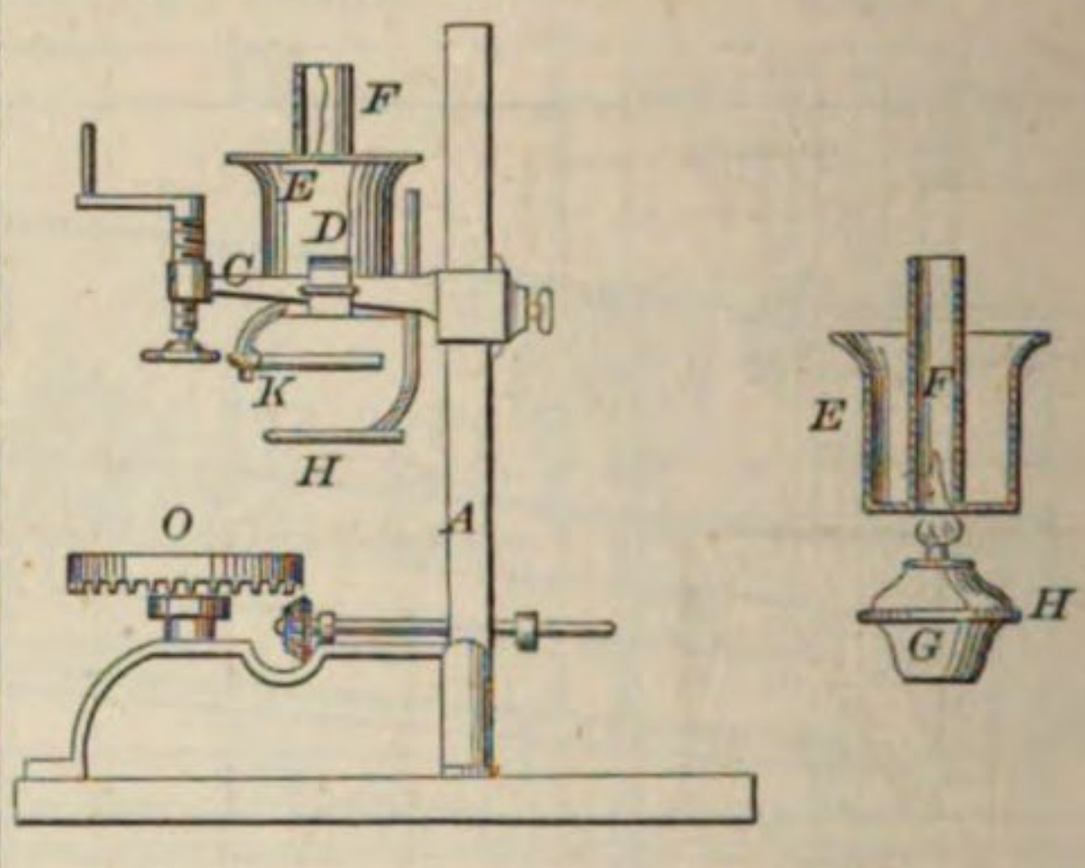
59814—F. Bowman—*Stove Cricket.*



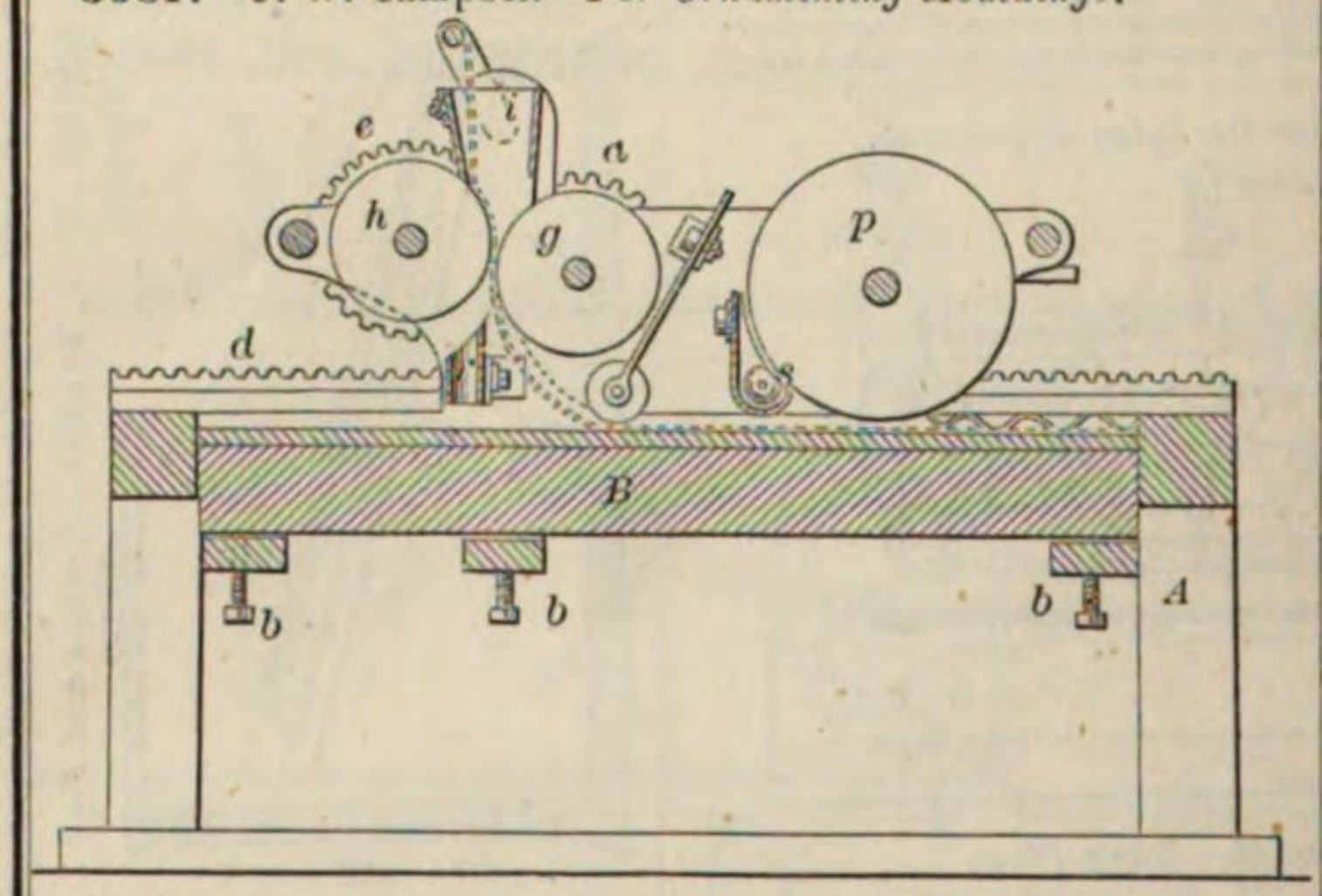
59815—R. Brady—*Heater for Soldering Iron.*



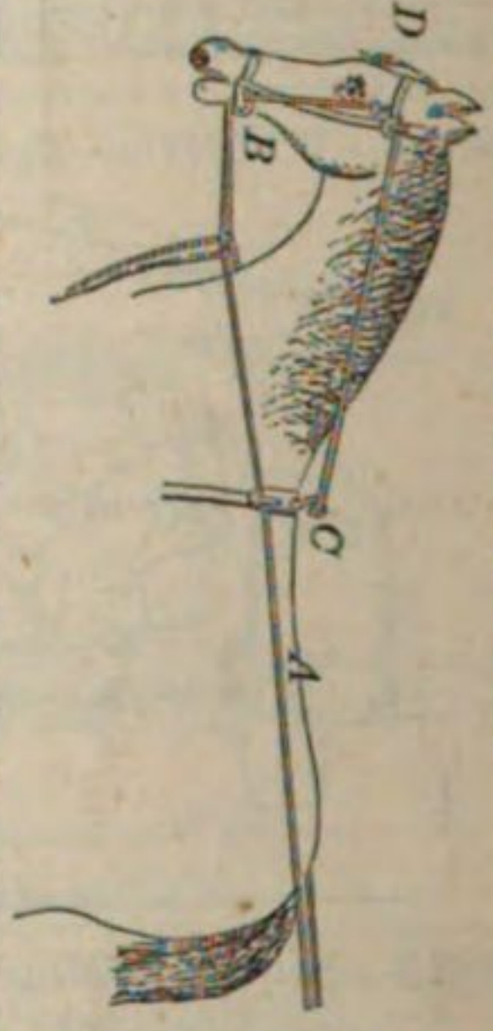
59816—E. K. & J. M. Bruce—*For Sealing Fruit Cans.*



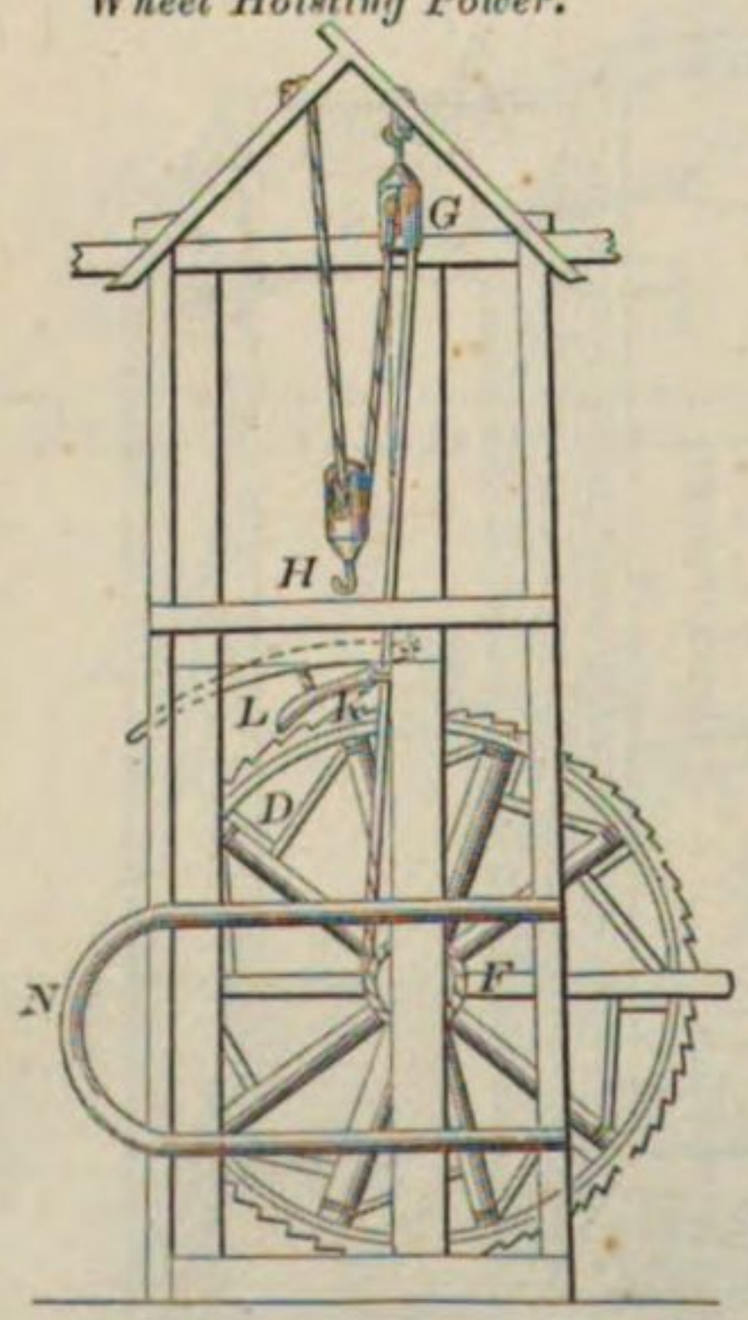
59817—J. W. Campbell—*For Ornamenting Mouldings.*



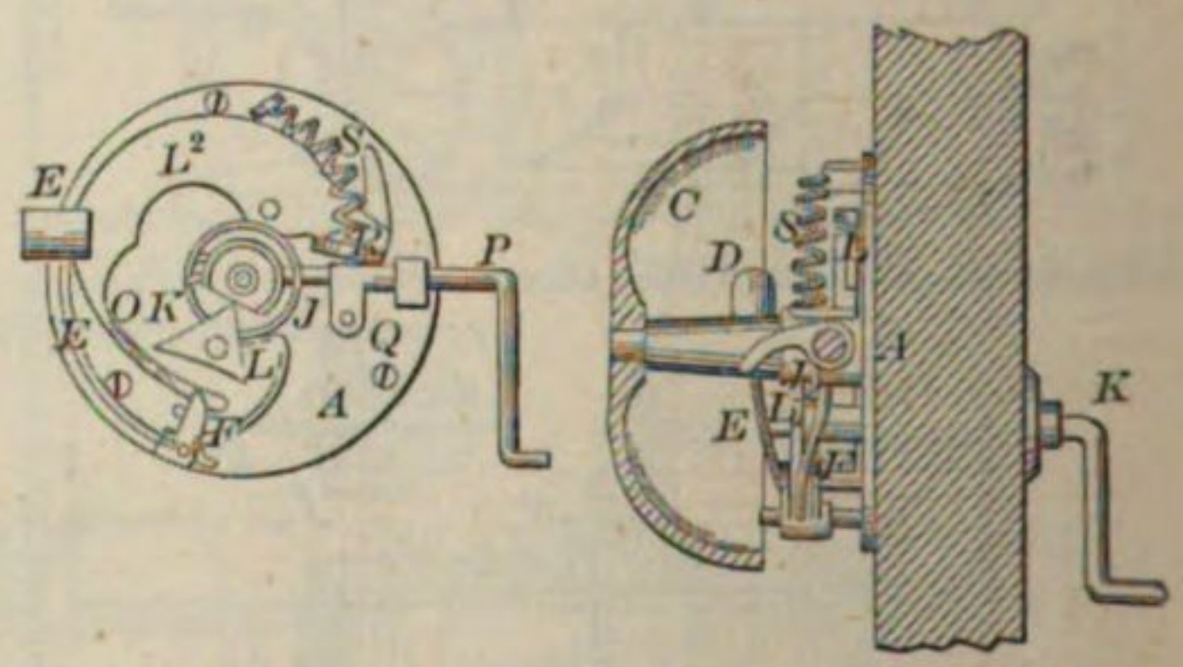
59819—W. Clark—*Harness Rein.*



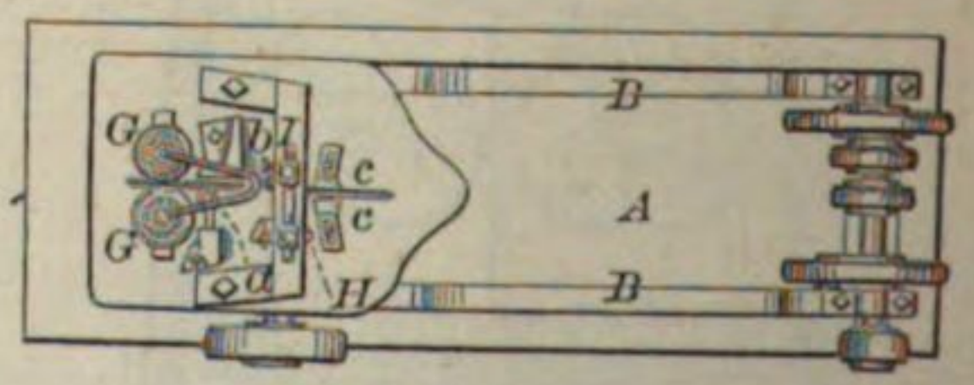
59818—J. B. Cassel—*Tread Wheel Hoisting Power.*



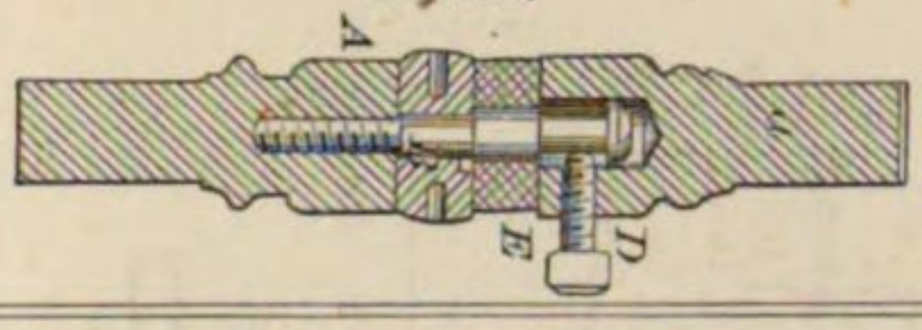
59820—D. L. Collins—*Door Bell and Burglar Alarm.*



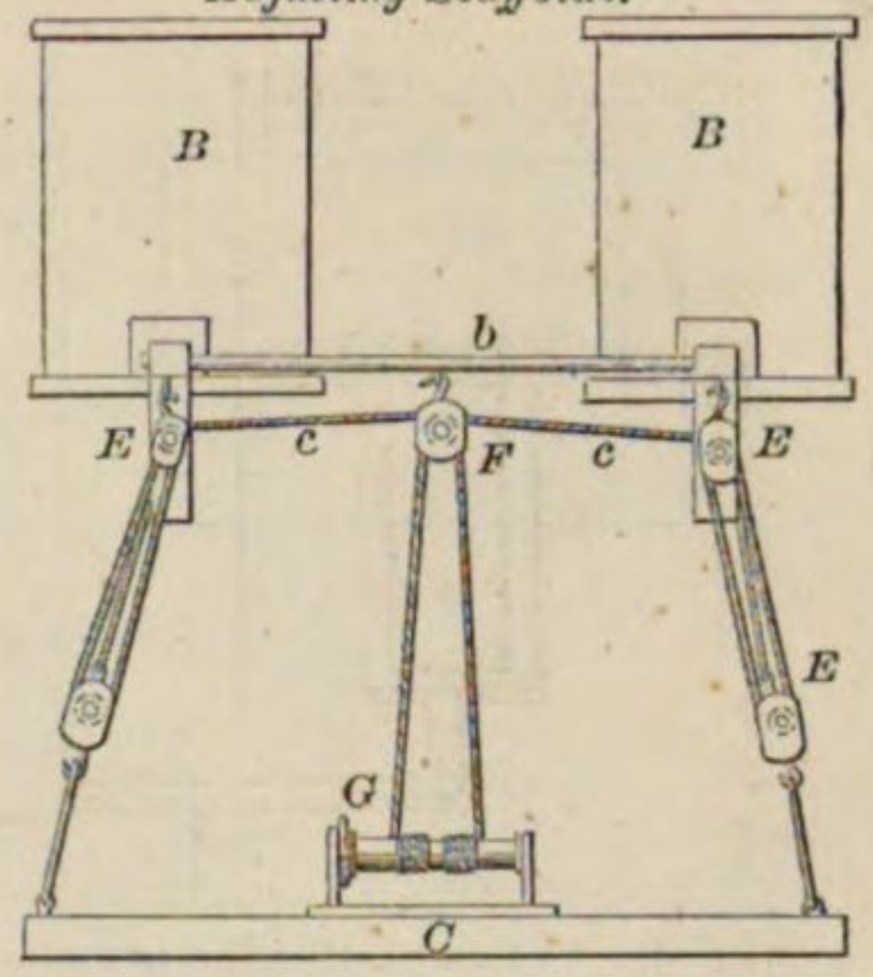
59821—J. C. Cook—*Stave Machine.*



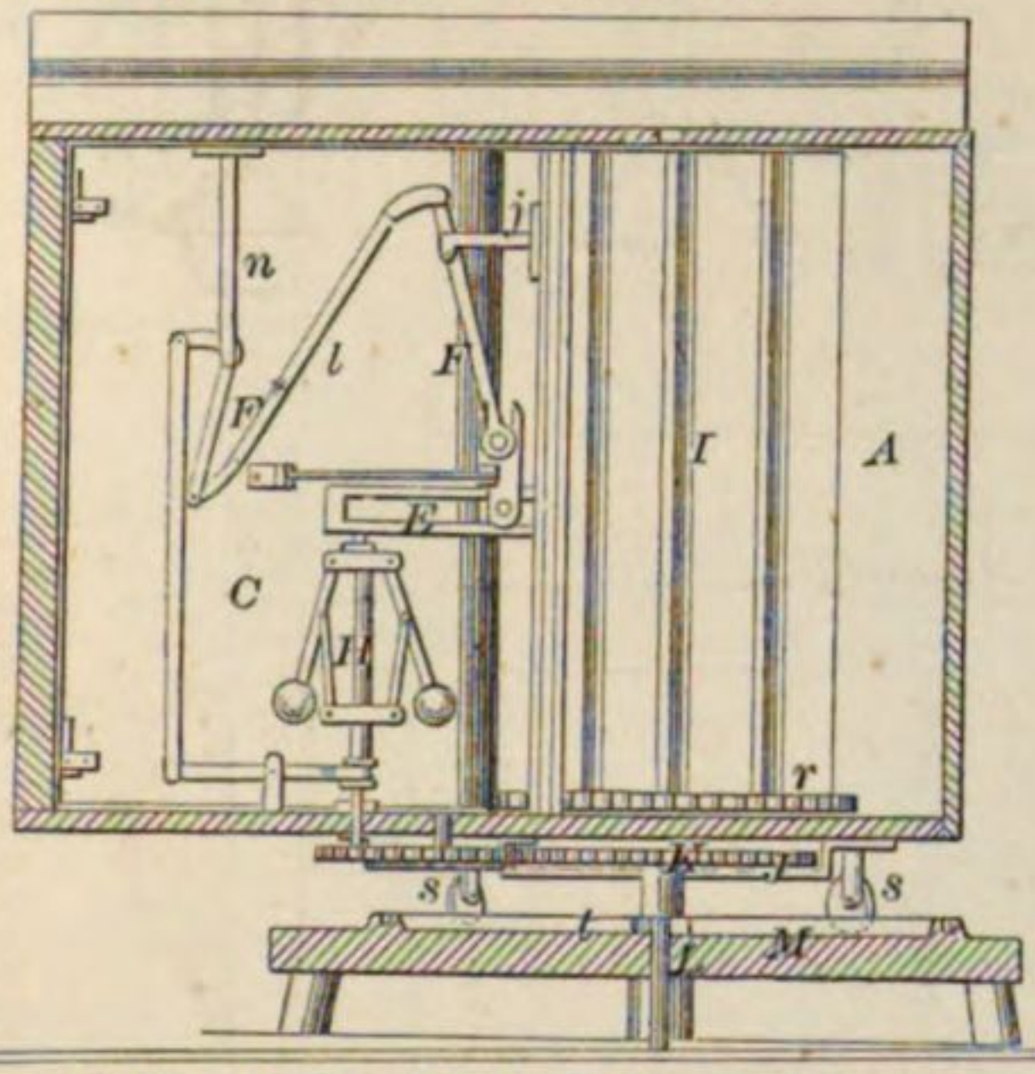
59823—J. V. C. Crate—*Rod of Punching Presses.*



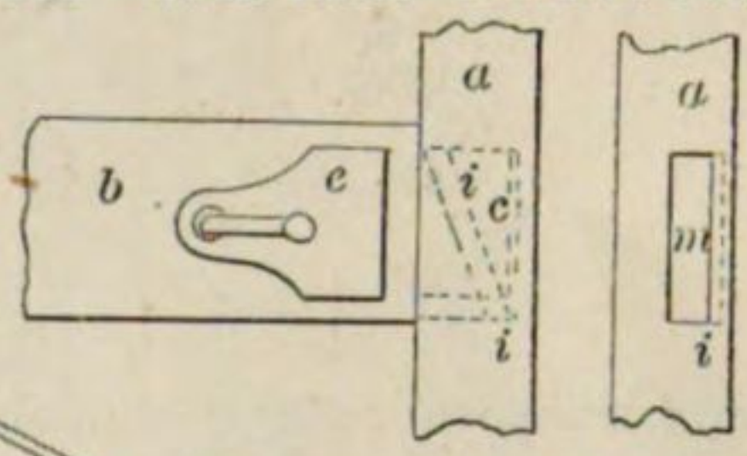
59824—W. A. Devon—*For Holding and Adjusting Scaffolds.*



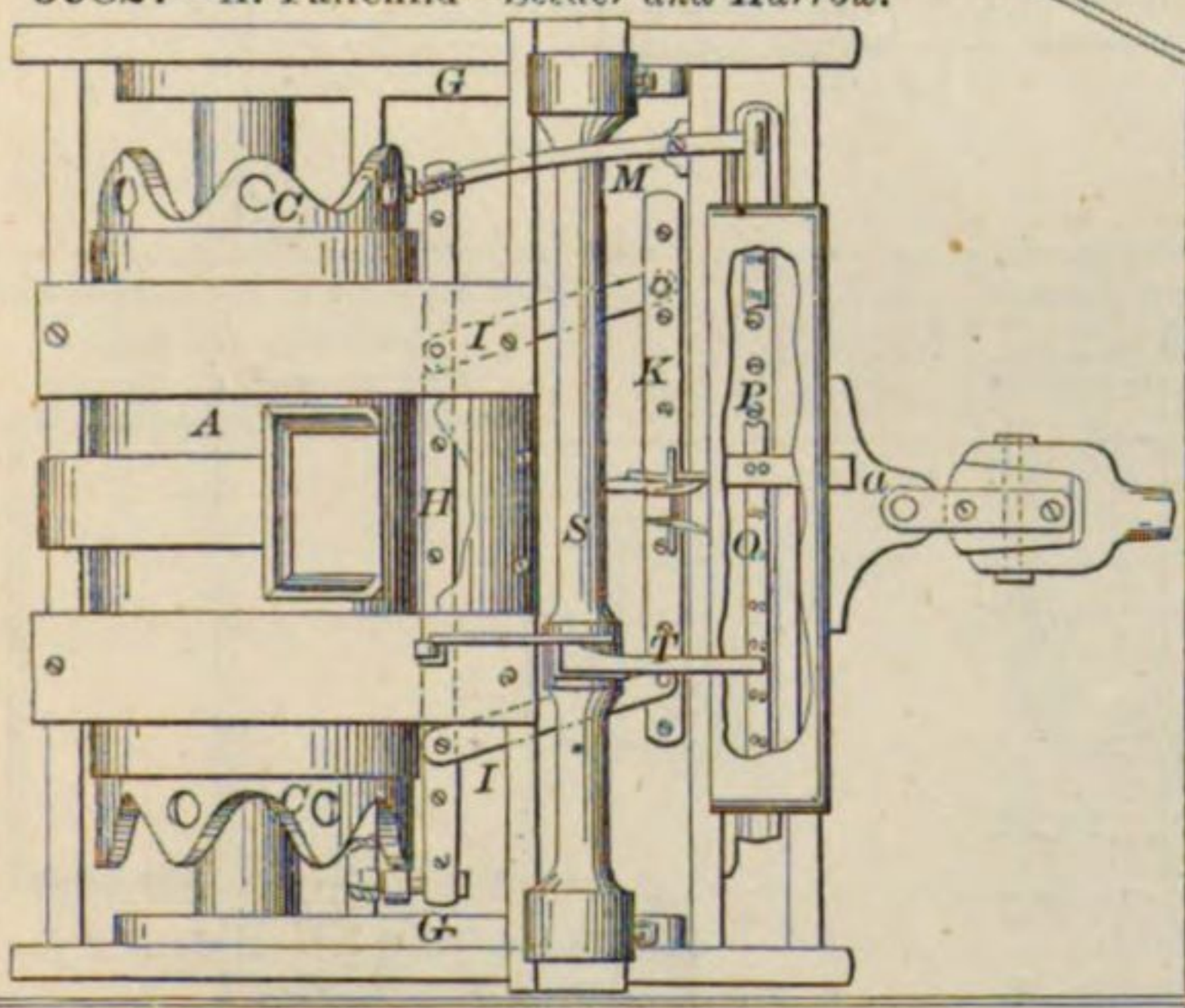
59828—J. C. Fay—*Wind Wheel.*



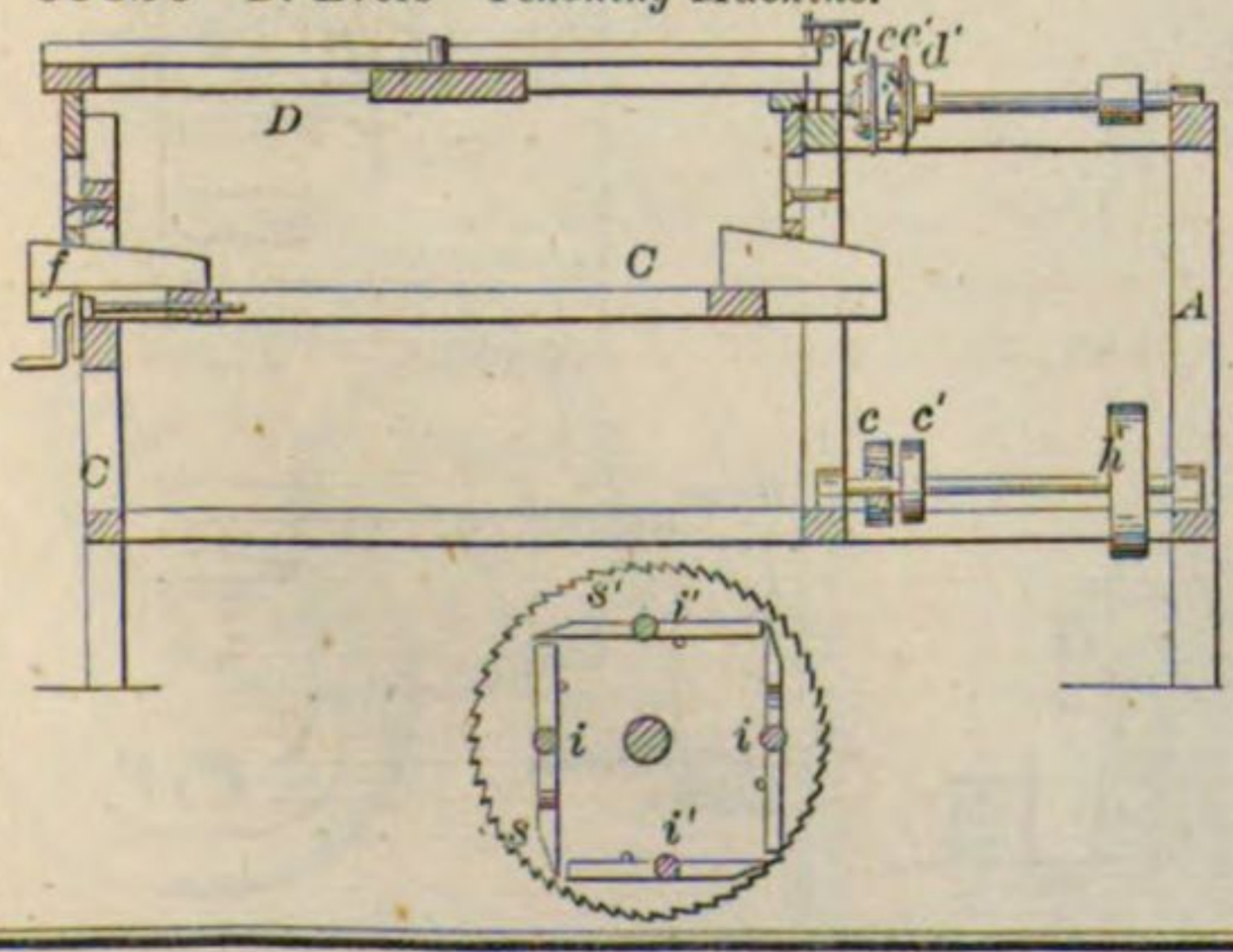
59825—W. H. Elliot—*Bedstead Fastening.*



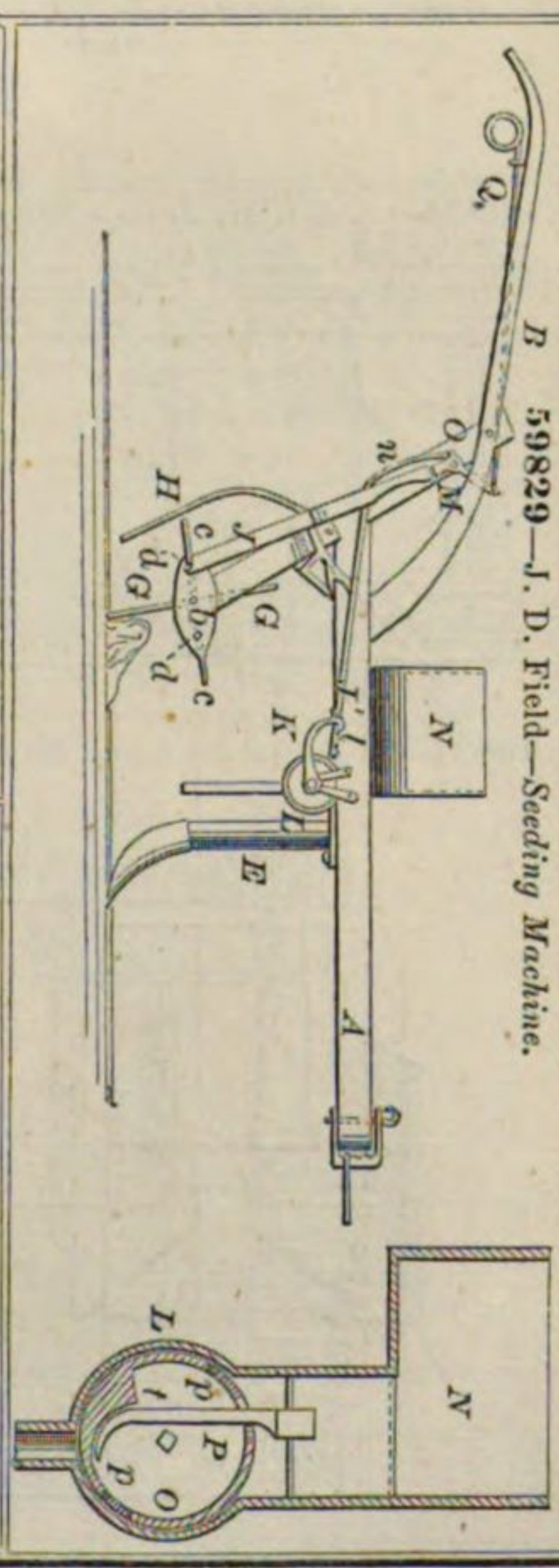
59827—A. Fairchild—*Seeder and Harrow.*



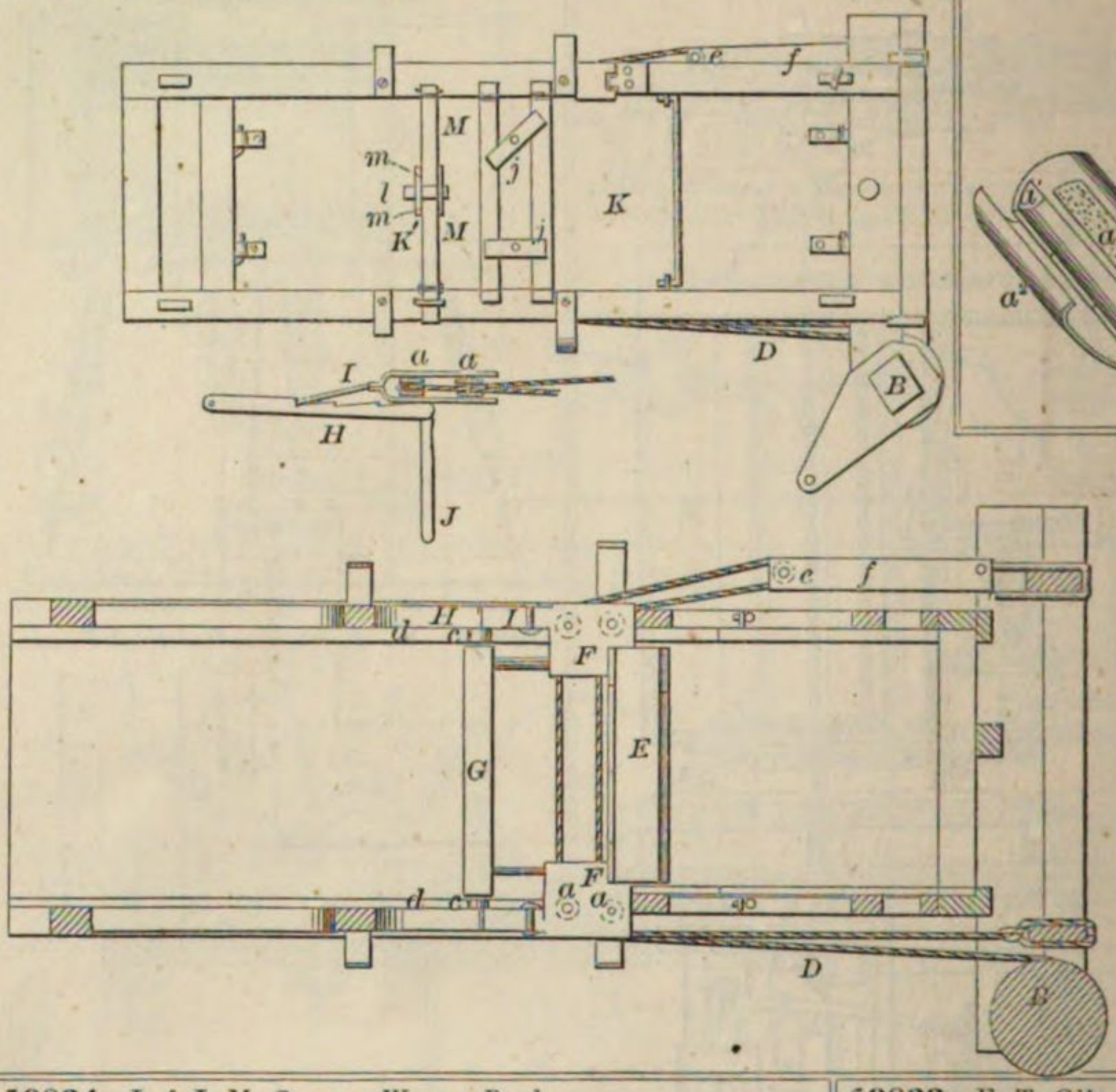
59826—D. Evers—*Tenoning Machine.*



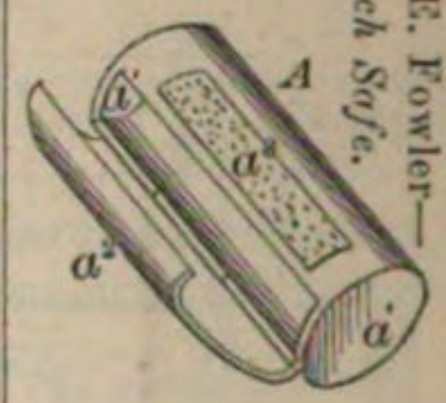
59829—J. D. Field—*Seeding Machine.*



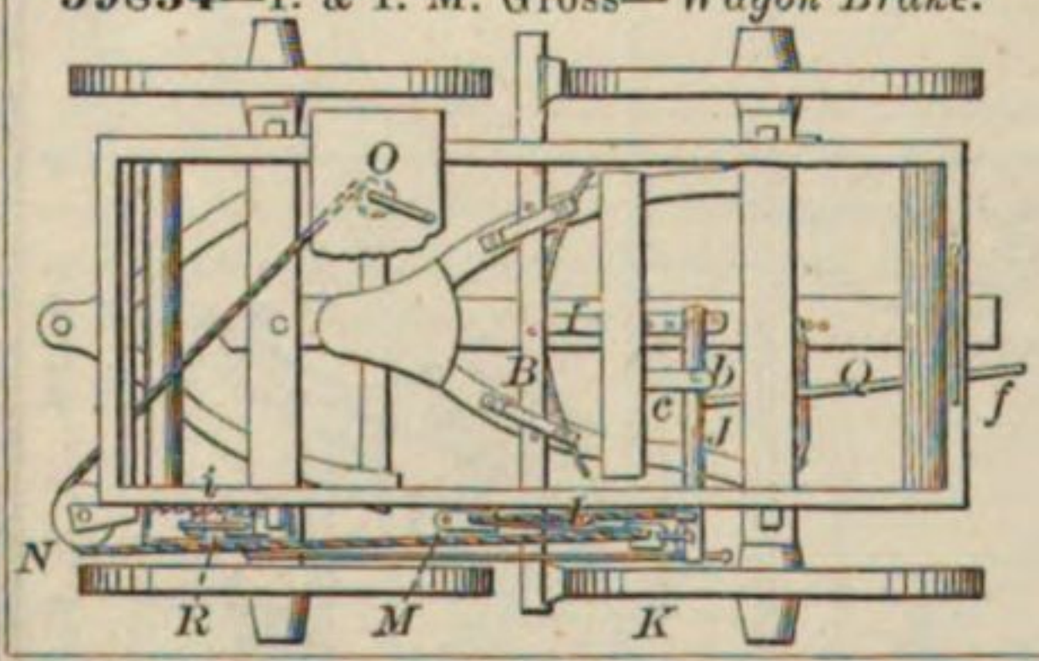
59832—C. W. Gillis—*Baling Press.*

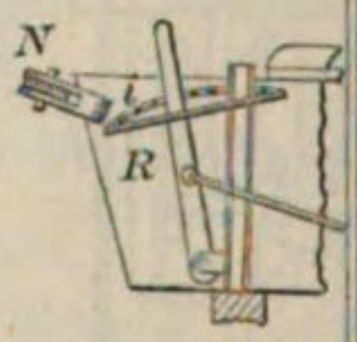


59830—C. E. Fowler—*Pocket Match Safe.*

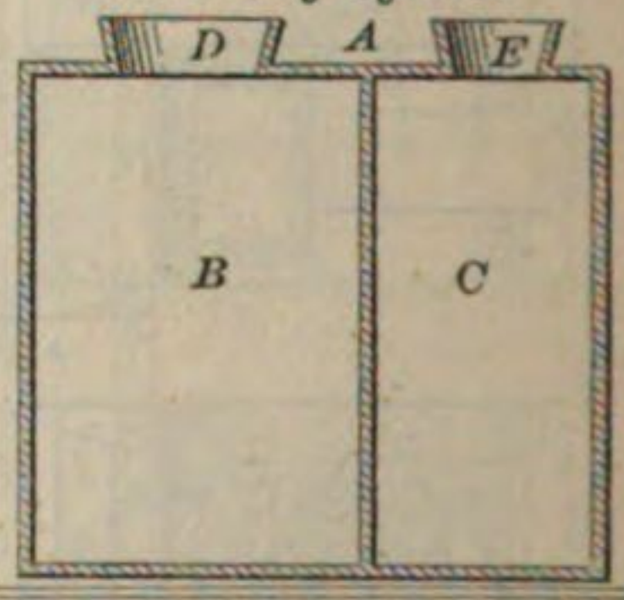


59834—I. & I. M. Gross—*Wagon Brake.*

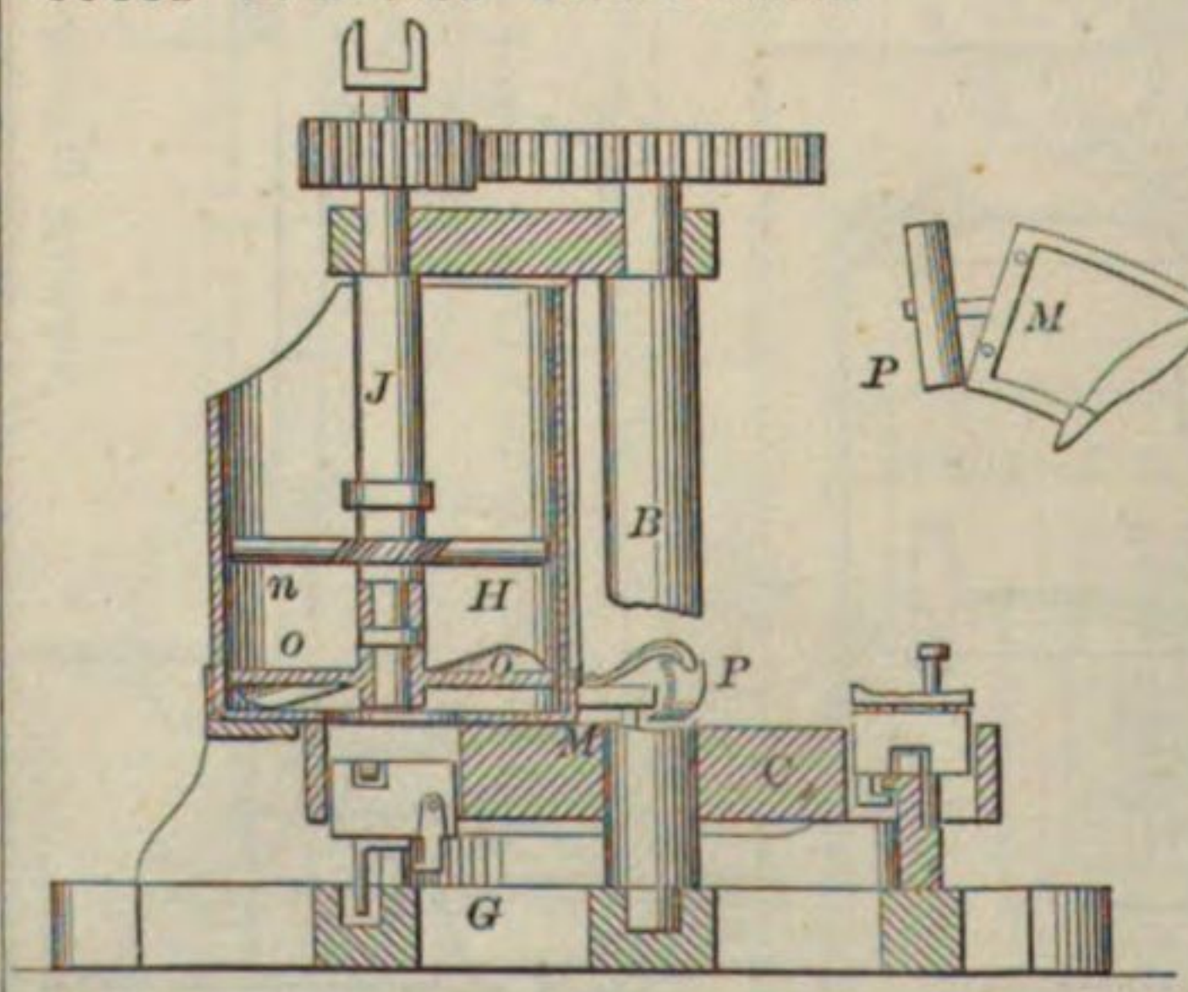


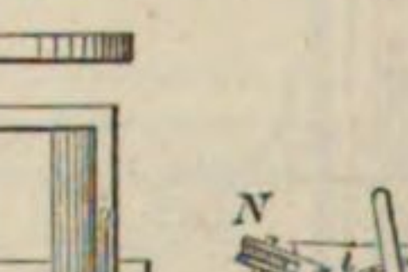


59833—E. T. Gilmore—*For Preserving Oysters.*

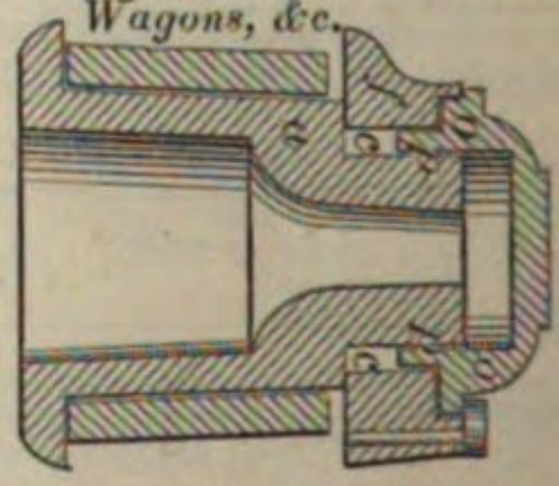


59831—E. R. Gard—*Brick Machine.*

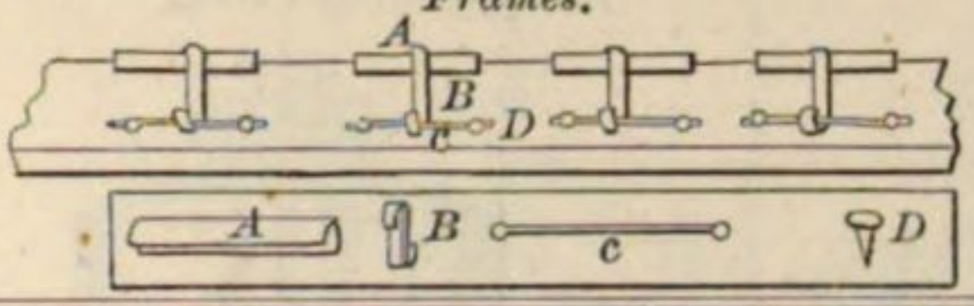




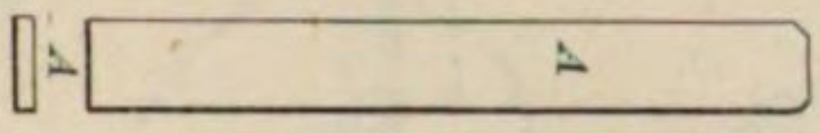
59835—J. Haggert—*Axle Nut for Wagons, &c.*



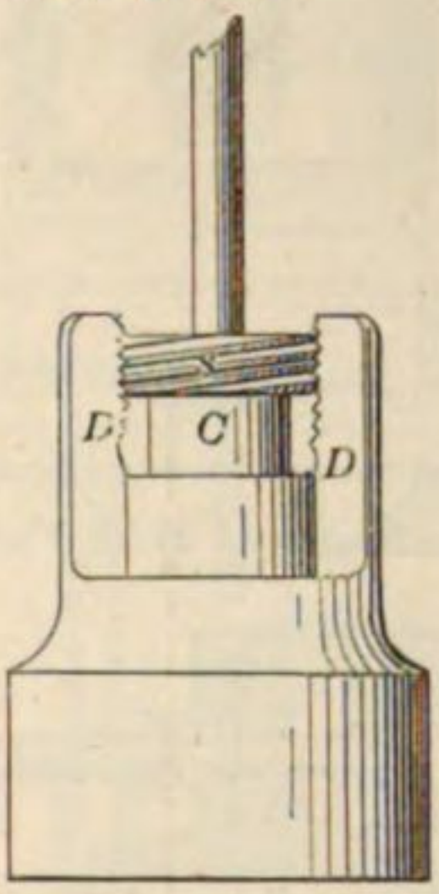
59836—S. W. Hanks—*Attaching Pictures to Frames.*



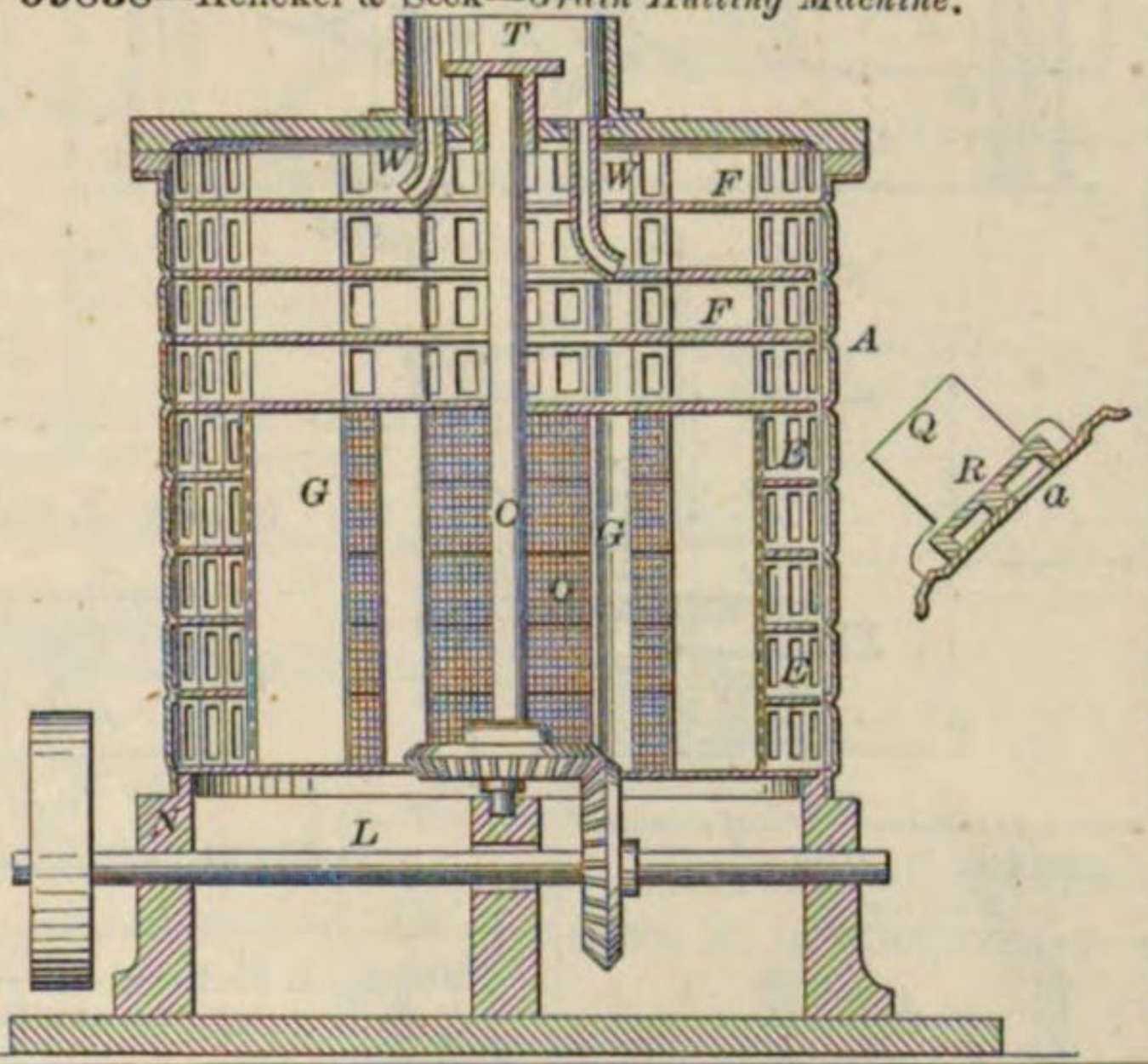
59839—I. L. Hoard—*Lamp Wick.*



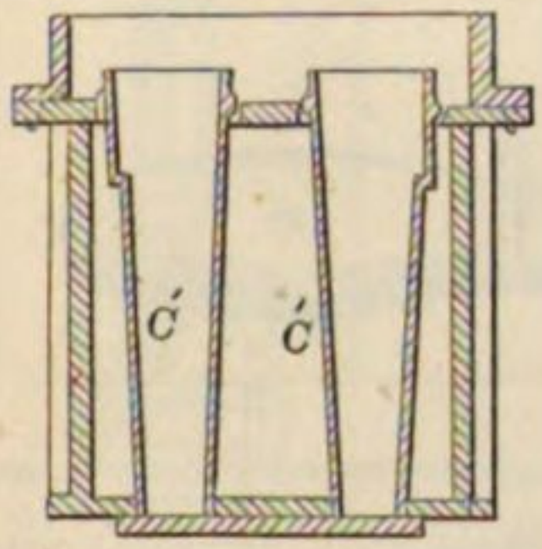
59837—W. Harsen—*Stuffing Box.*



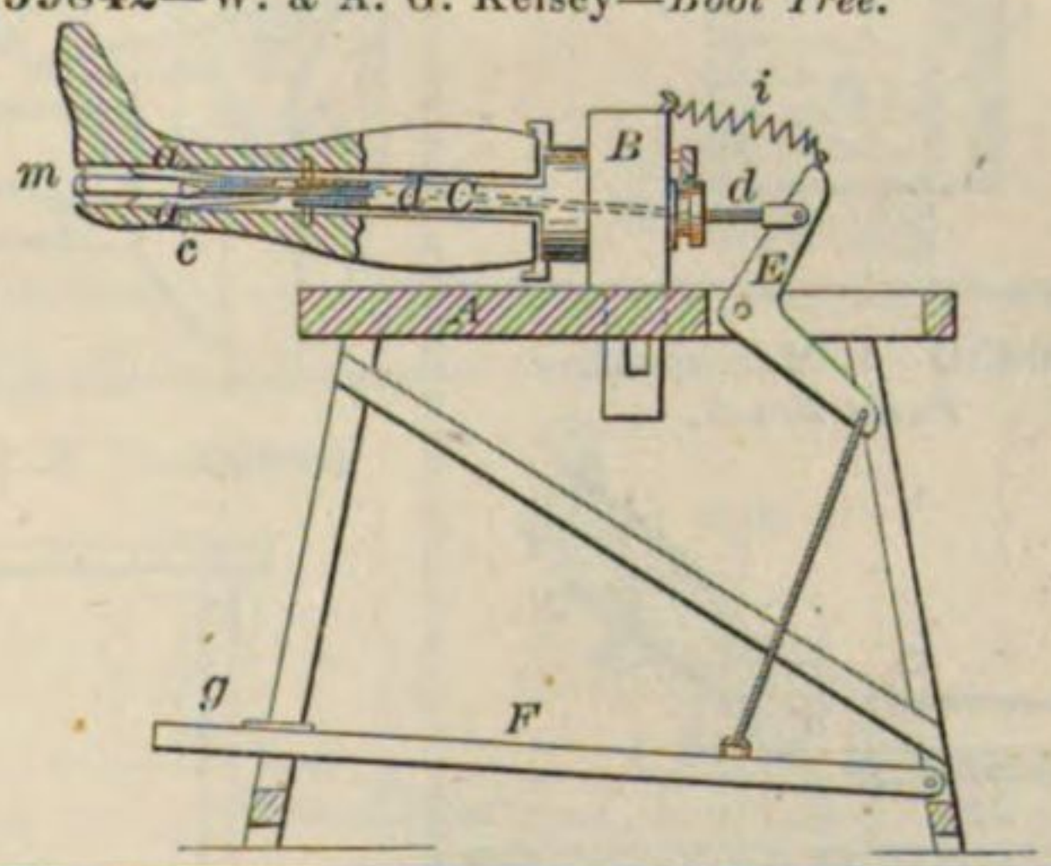
59838—Henckel & Seck—*Grain Hulling Machine.*



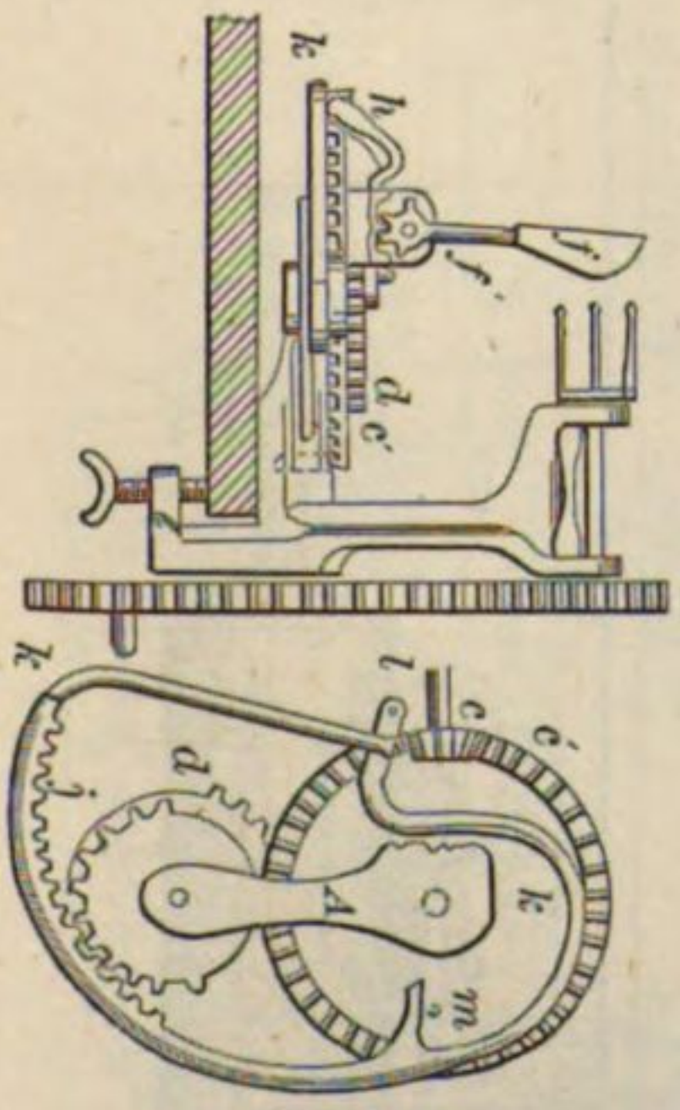
59840—J. G. Holt—*Making Sand Cores for Axle Skeins and Hub Boxes.*



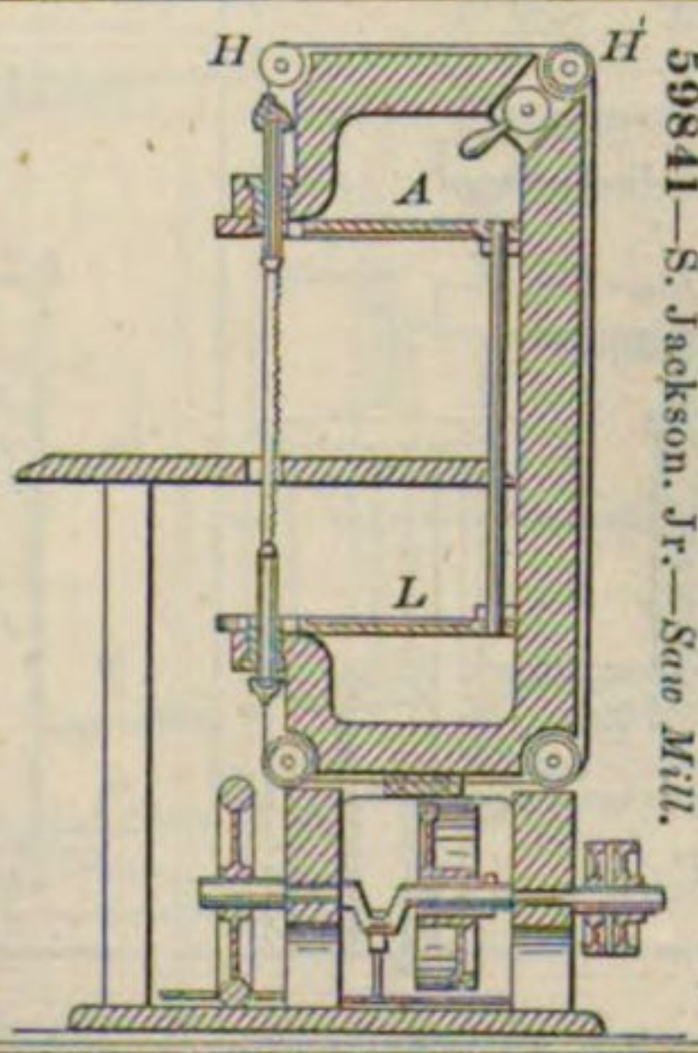
59842—W. & A. G. Kelsey—*Boot Tree.*



59843—H. Keyes—*Apple Parer.*

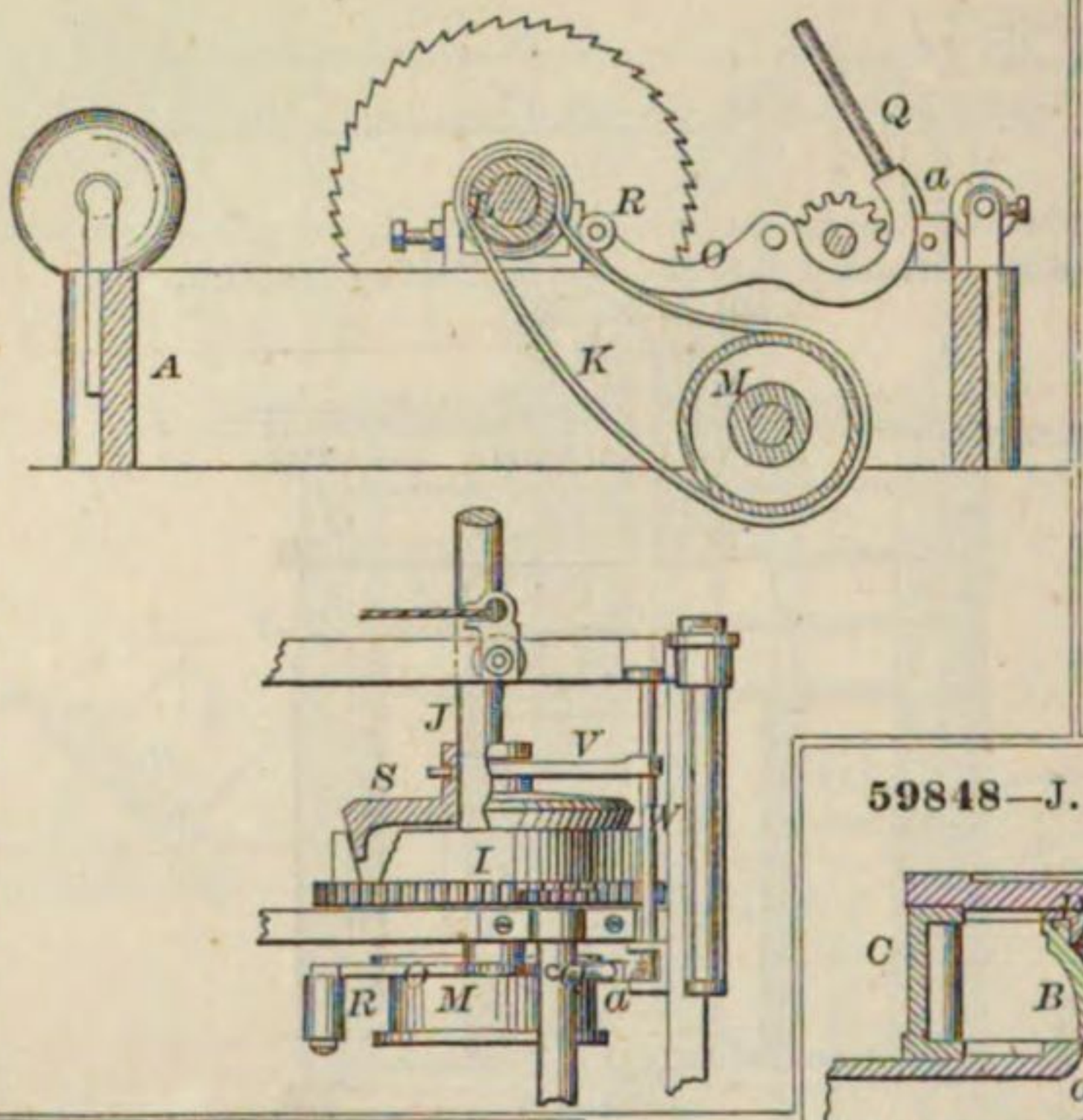


59841—S. Jackson, Jr.—*Saw Mill.*

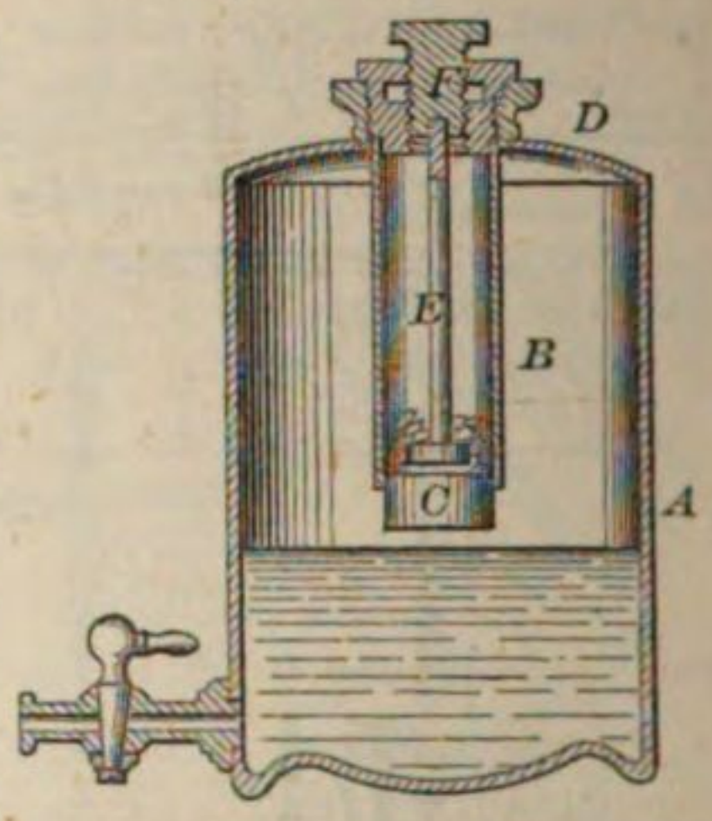


59844—J. King—*Spring Fish Hook.*

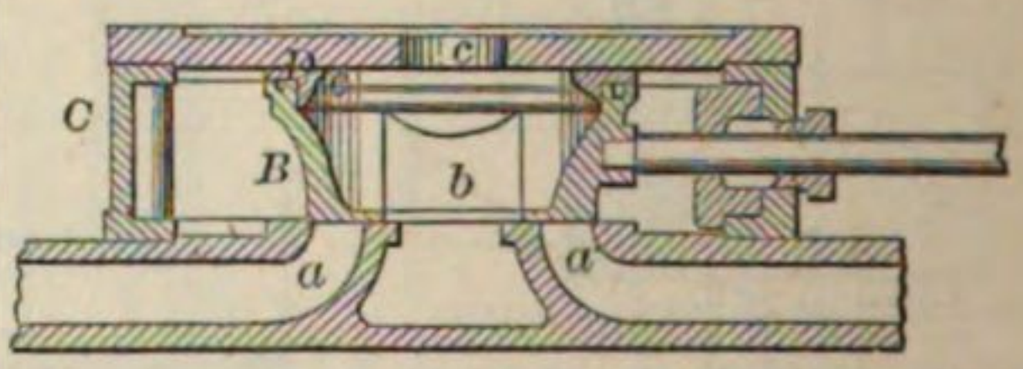
59846—D. Lane—*Saw Mill.*



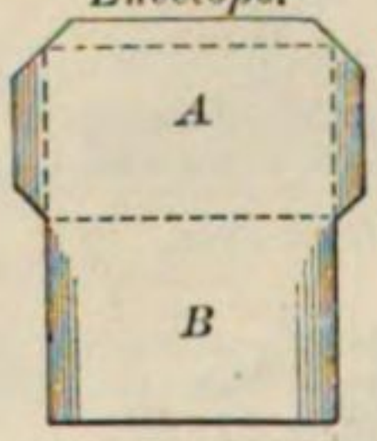
59847—J R. Laurent—*For Extinguishing Fires.*



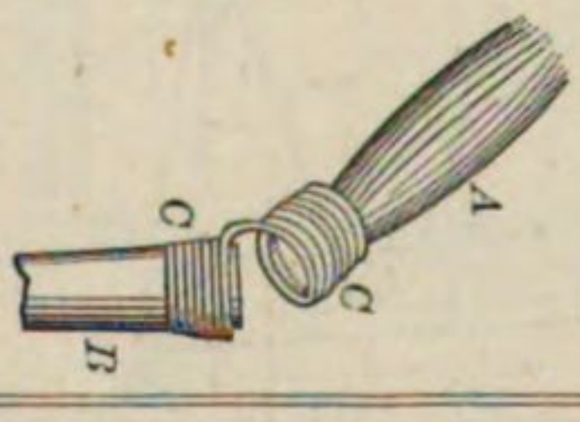
59848—J. Lochhead—*Balanced Slide Valve.*



59849—R. Magee—*Envelope.*

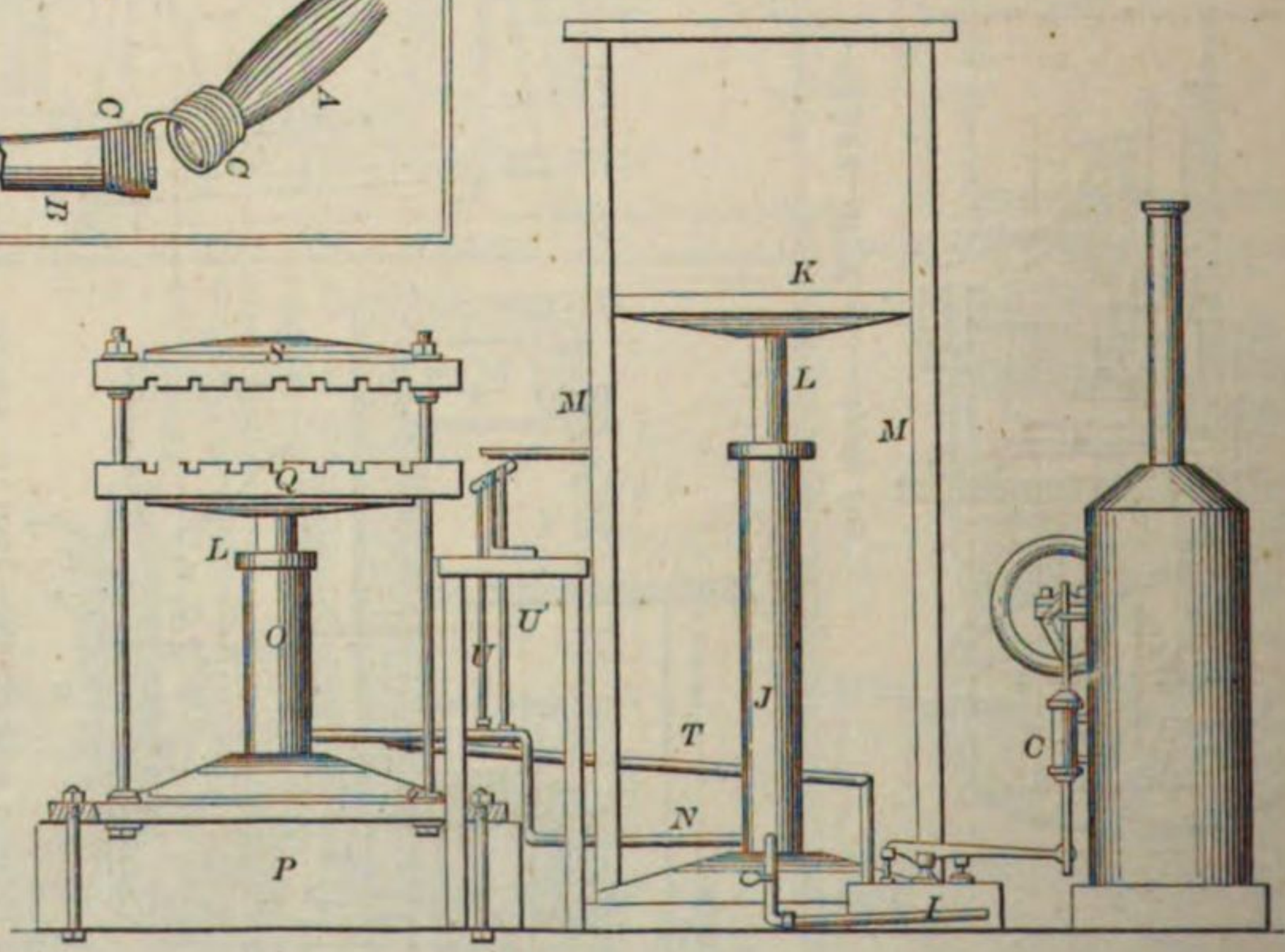


59850—J. Marchbank—*Paint Brush.*

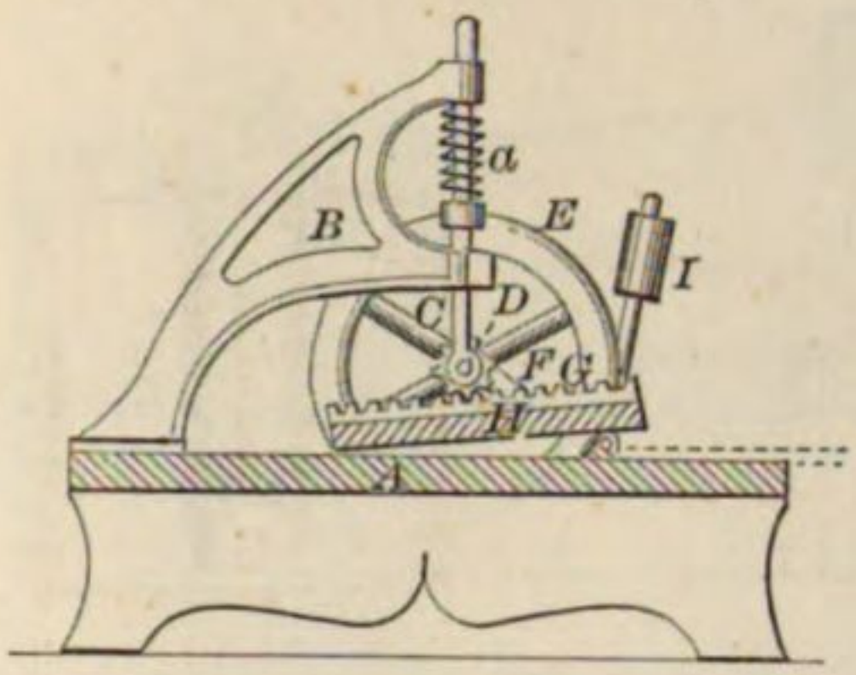


59852—J. McLaren—*Wrench.*

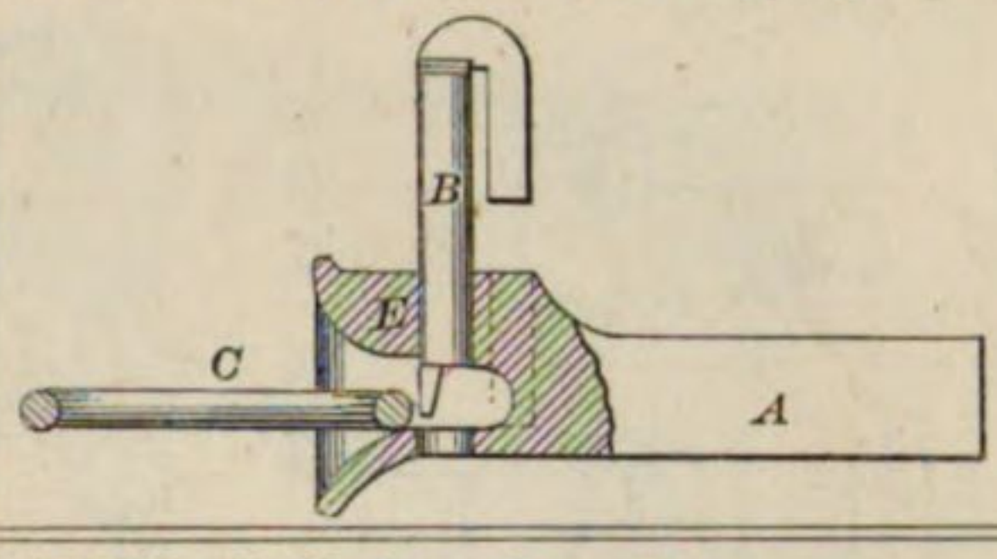
59853—T. E. McNeill—*Cotton Press.*



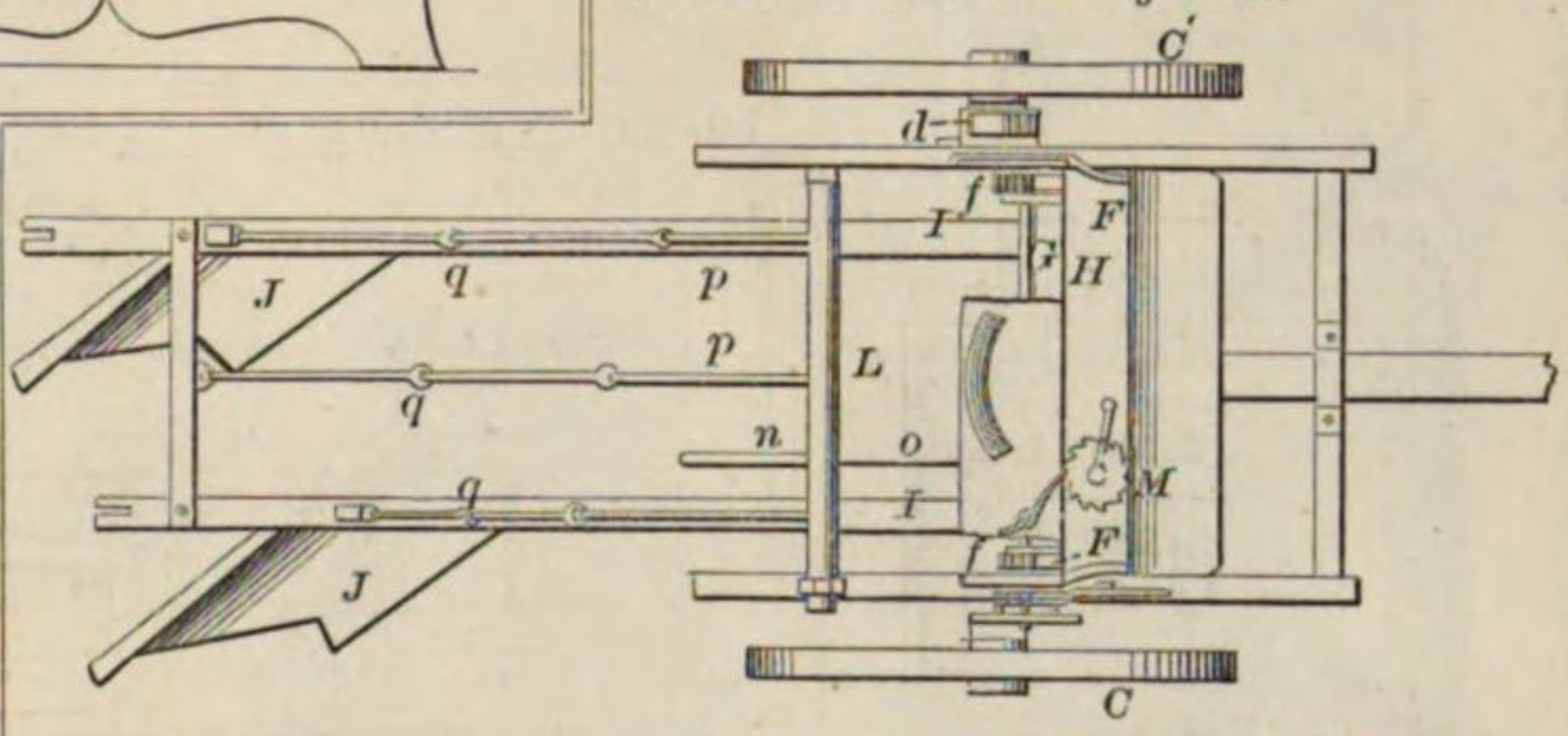
59854—C. V. Mead—*For Rolling Rubber.*



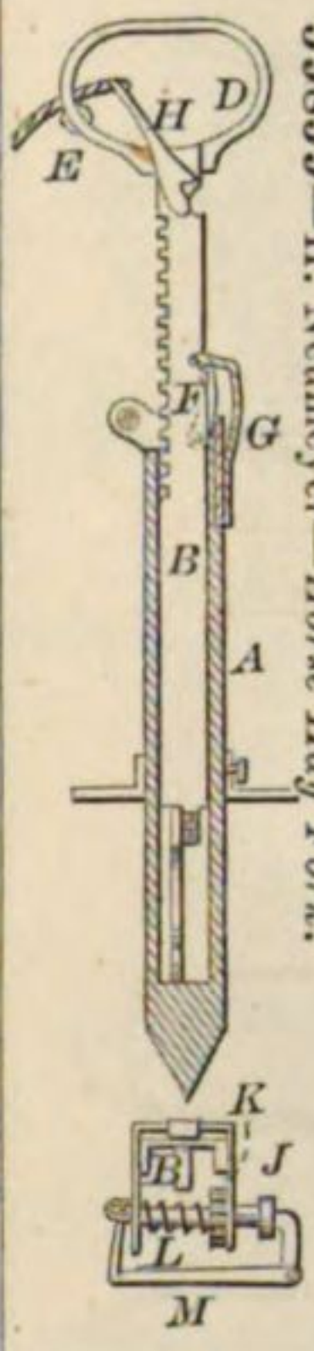
59858—T. S. Minniss—*Car Coupling.*

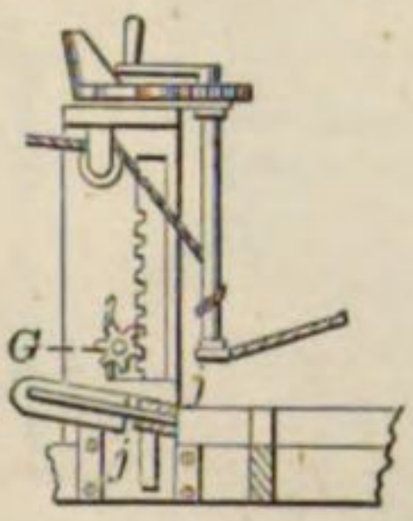


59855—P. Merkel—*Gang Plow.*

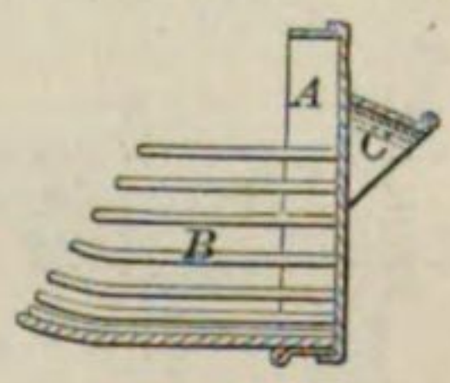


59859—H. Neumeyer—*Horse Hay Fork.*

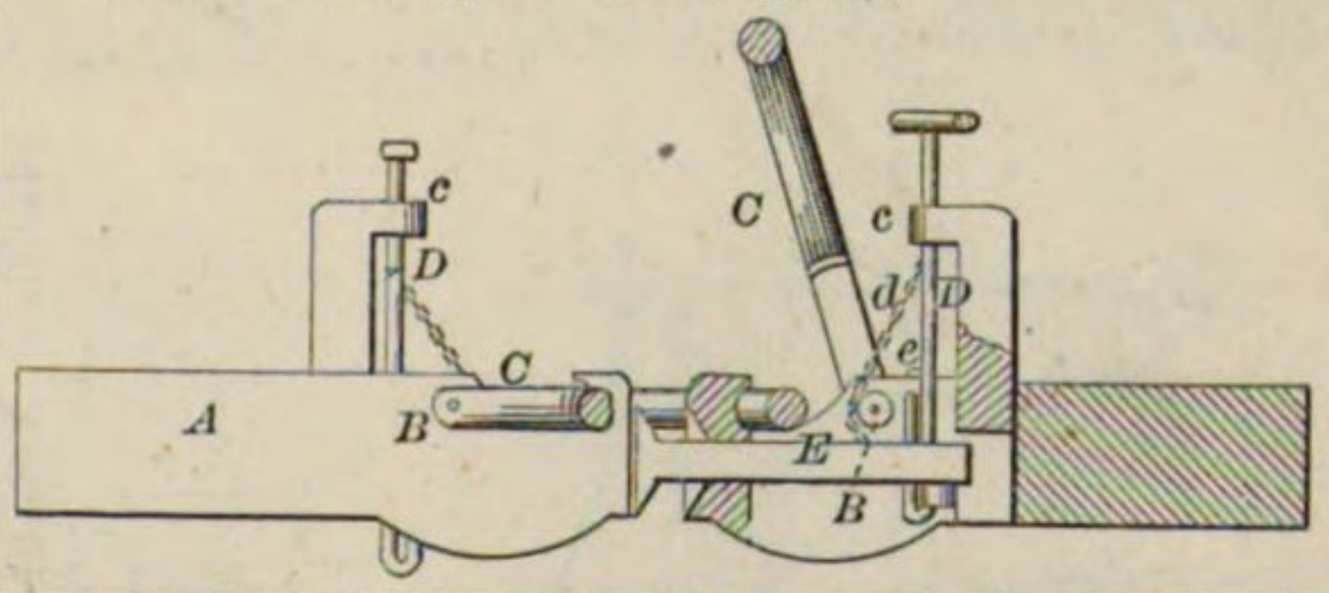




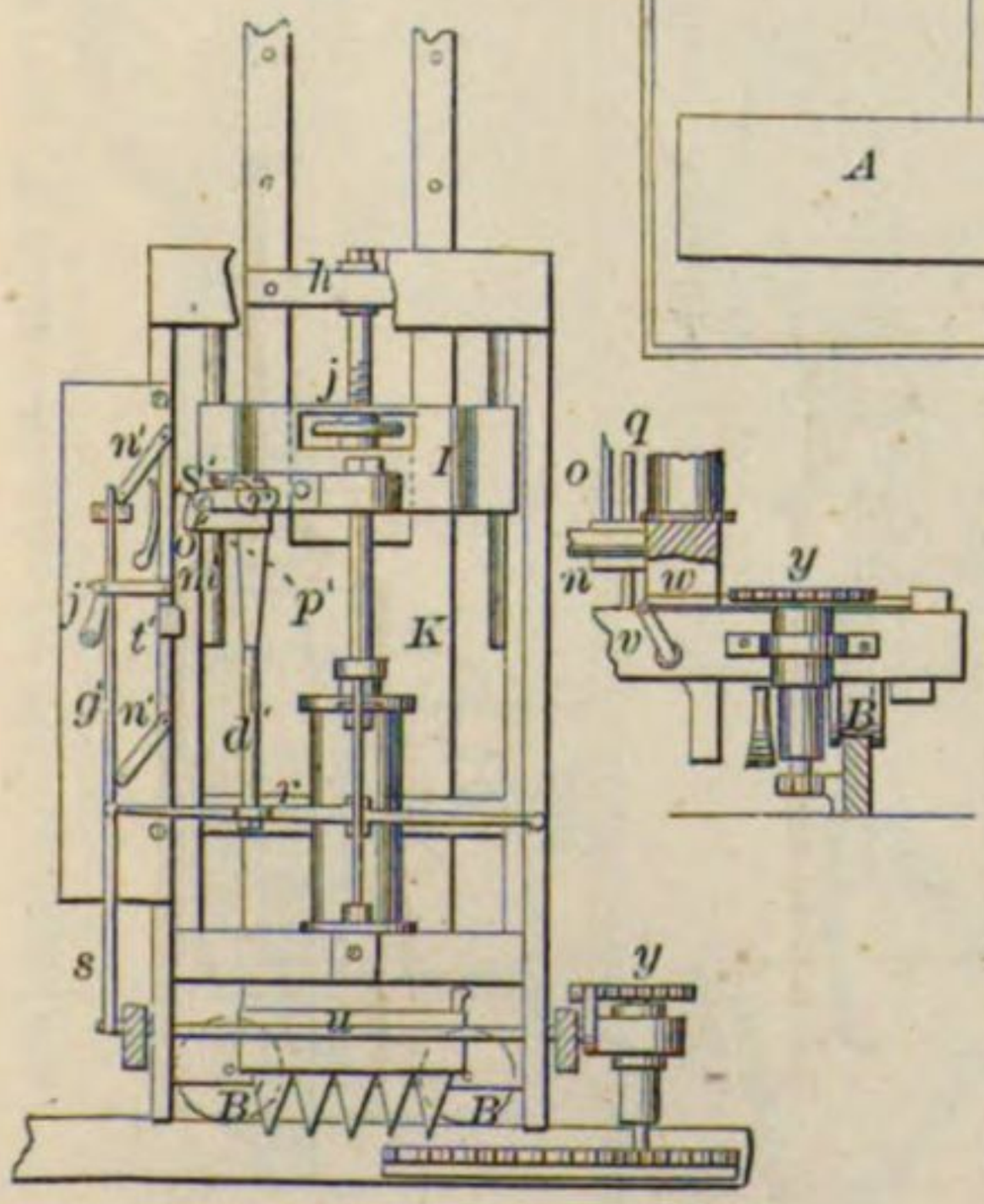
59857—E. D. Miller—*Cranberry Gatherer.*



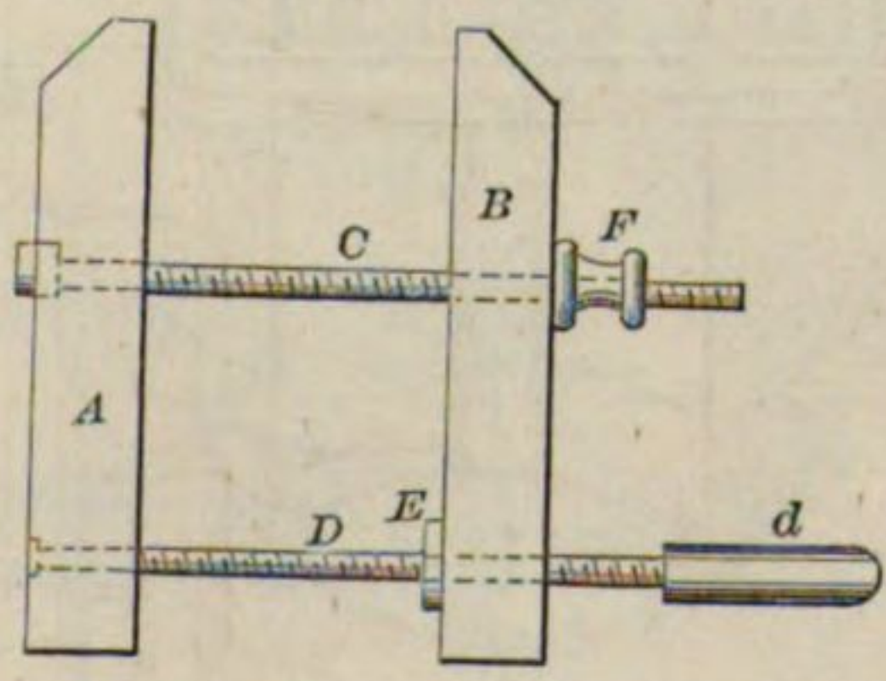
59860—H. L. Ogden—*Car Coupling.*



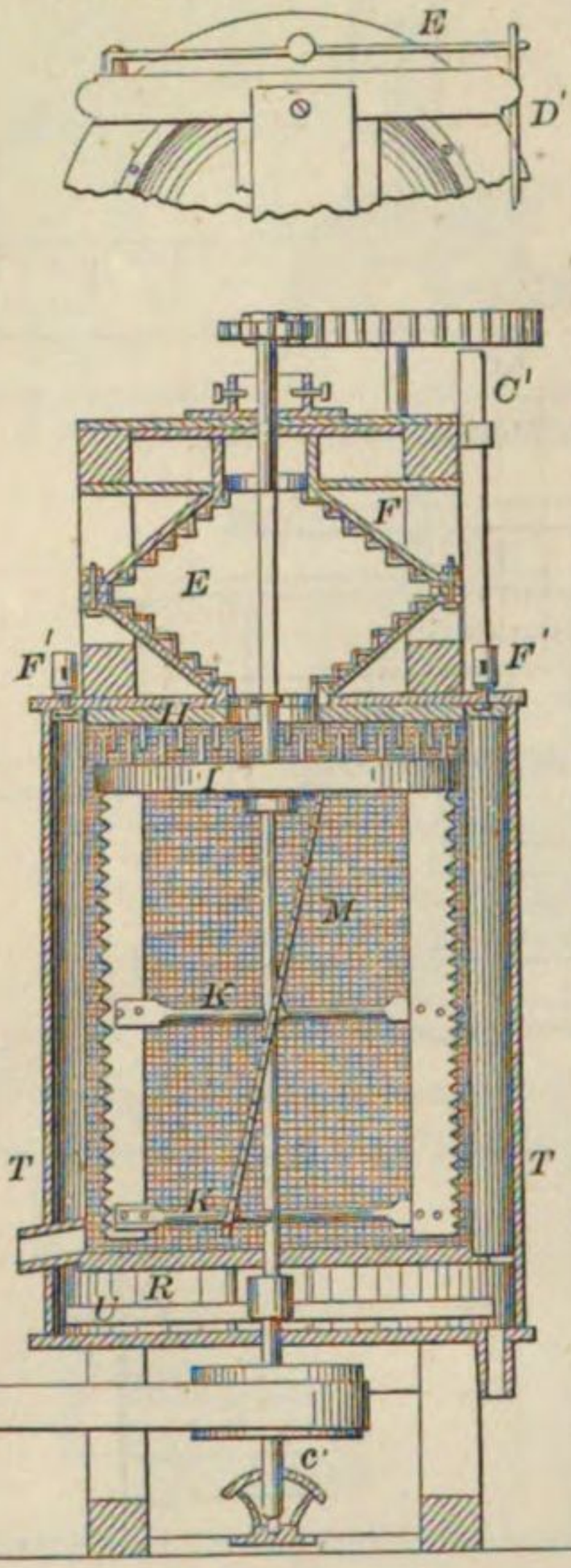
59856—Merriman & Ross—*For Channeling Stones.*



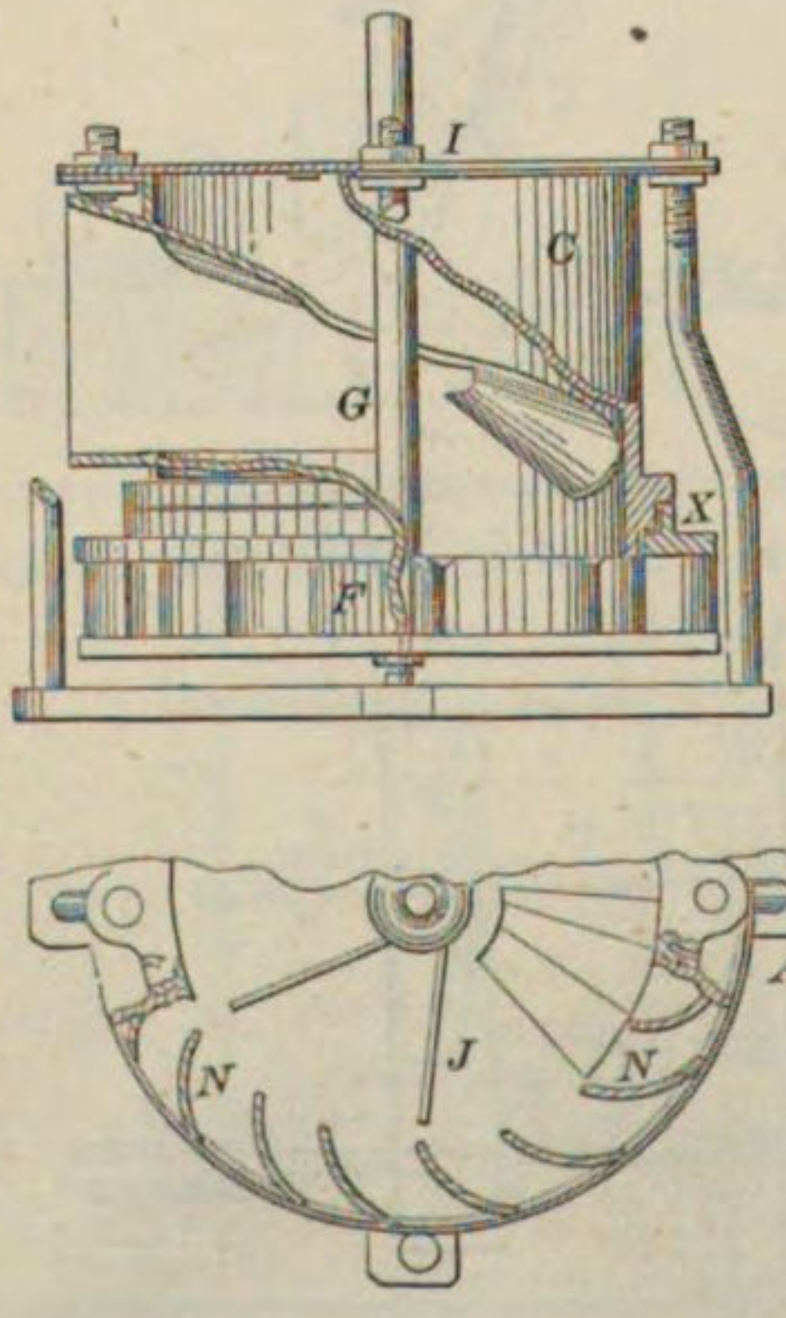
59861—W. Ormesby—*Hand Screw Clamp.*



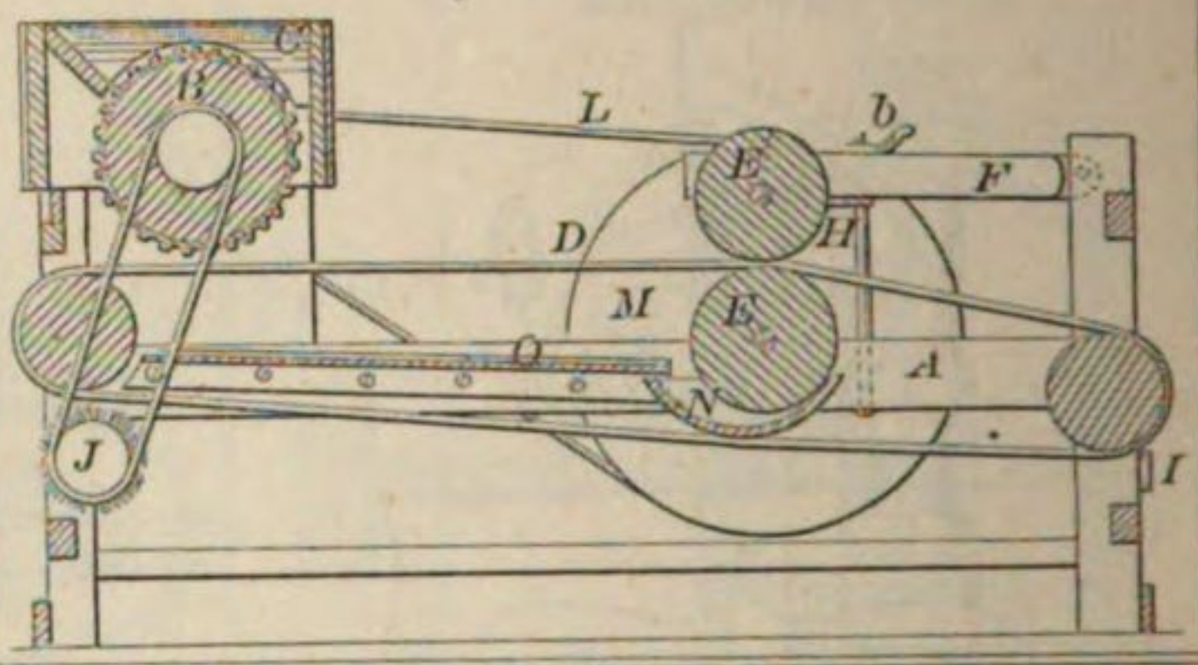
59862—G. H. Reynolds—
Bran Duster.



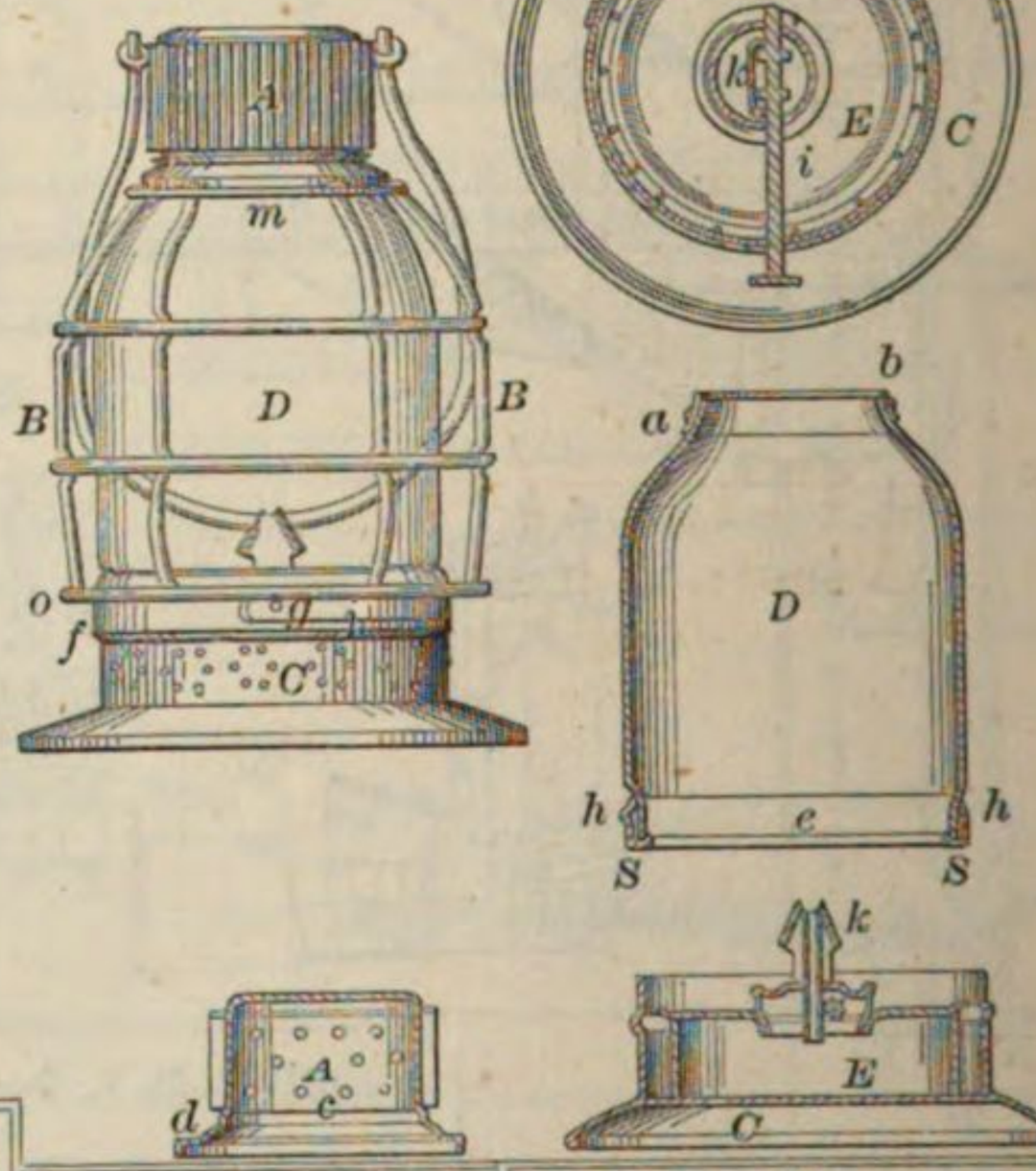
59863—J. L. Rumrill—*Water Wheel.*



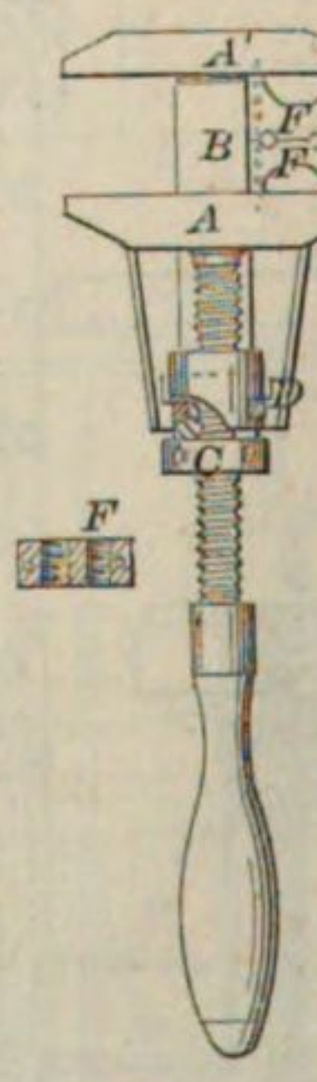
59864—W. Shaw—*Cider Mill.*



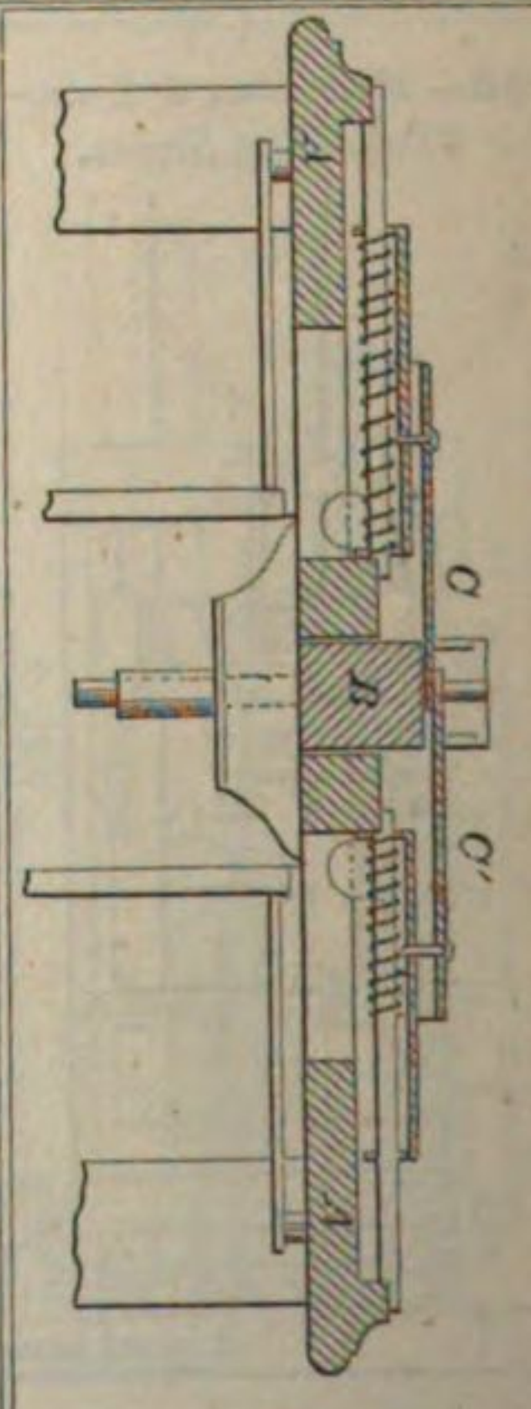
59865—A. G. Smith—
Lantern.



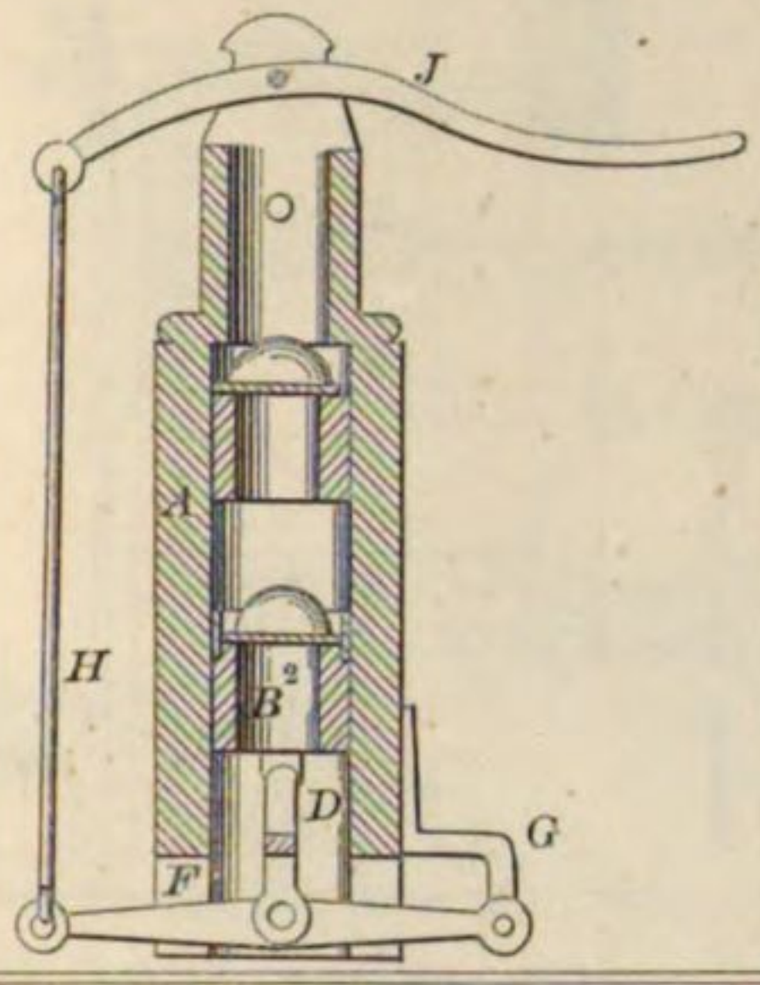
59866—J. A. Smith—*Tool.*



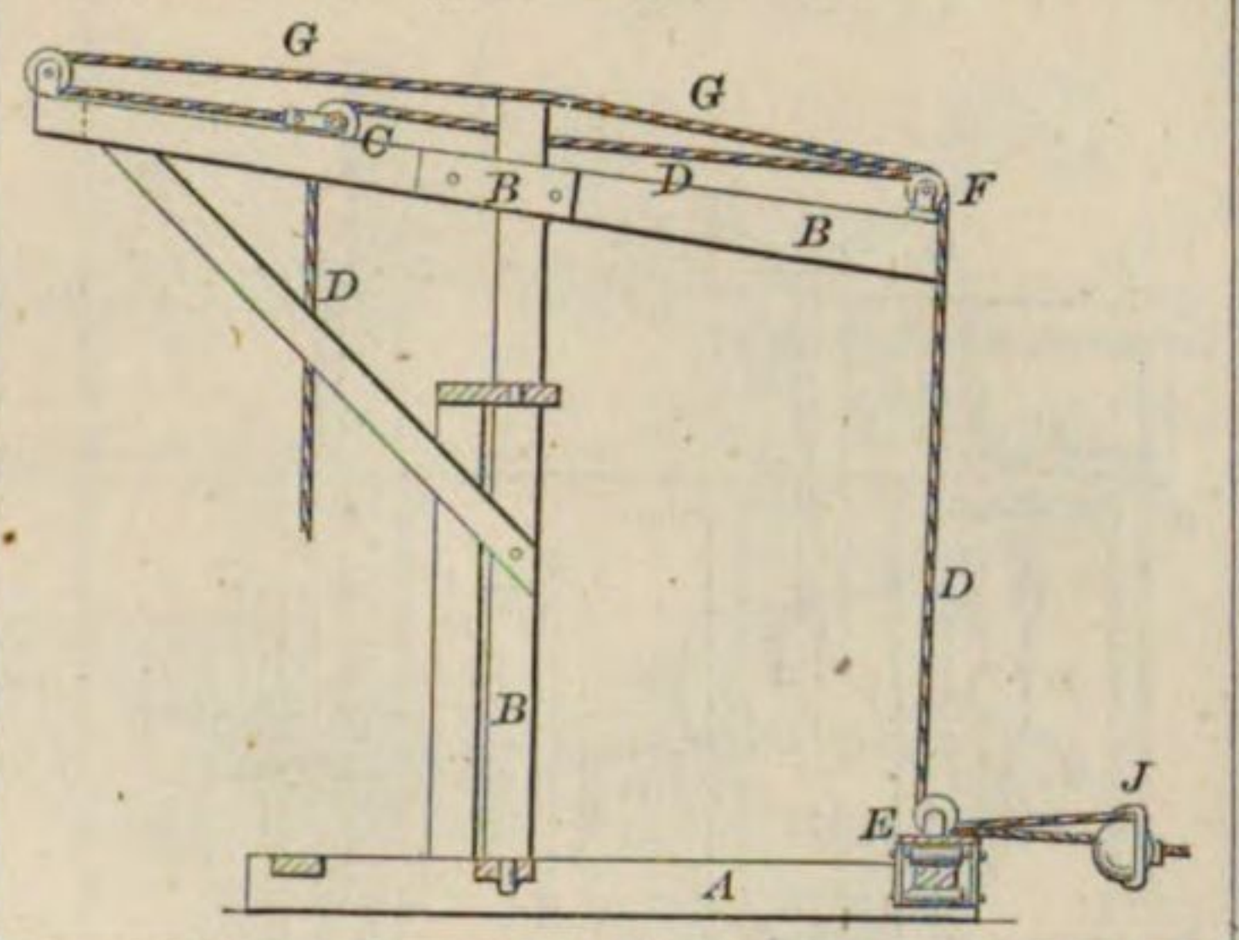
59867—R. T. Smith—*Machine for Folding Paper Fans.*



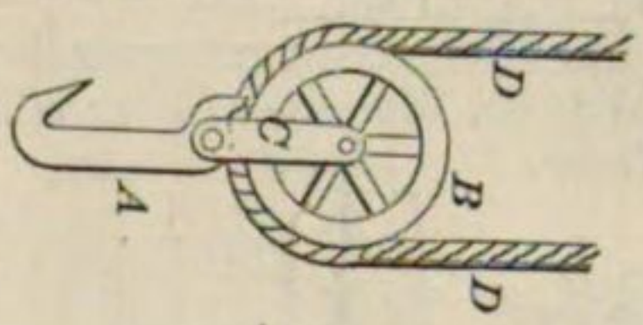
59869—W. P. Squire—*Pump.*

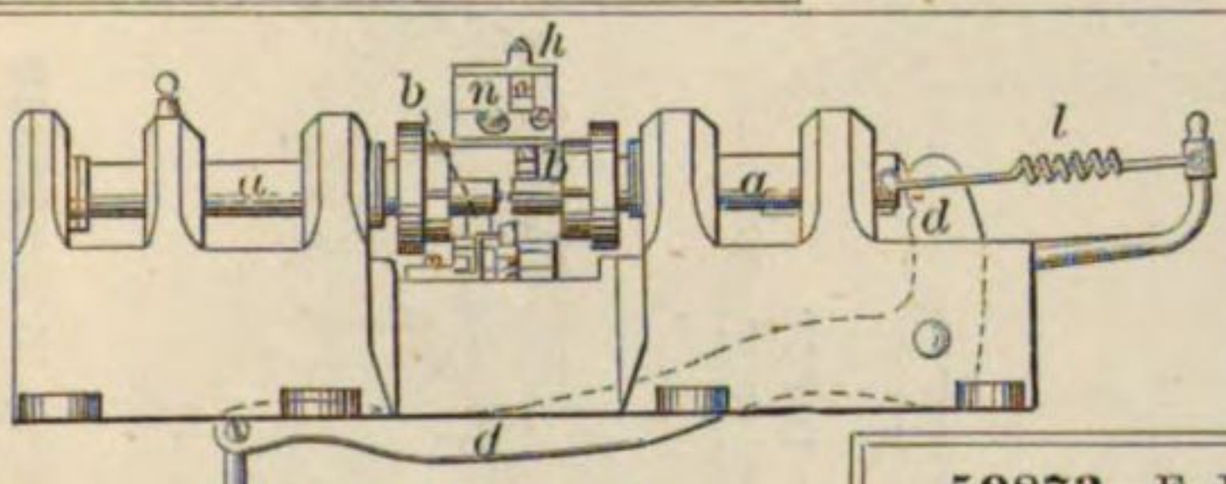


59870—W. P. Squire—*Hay Derrick.*

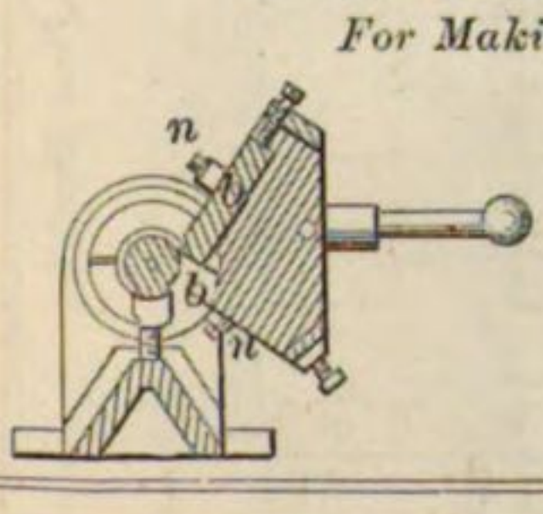


59874—J. S. Tibbets—*Pulley.*

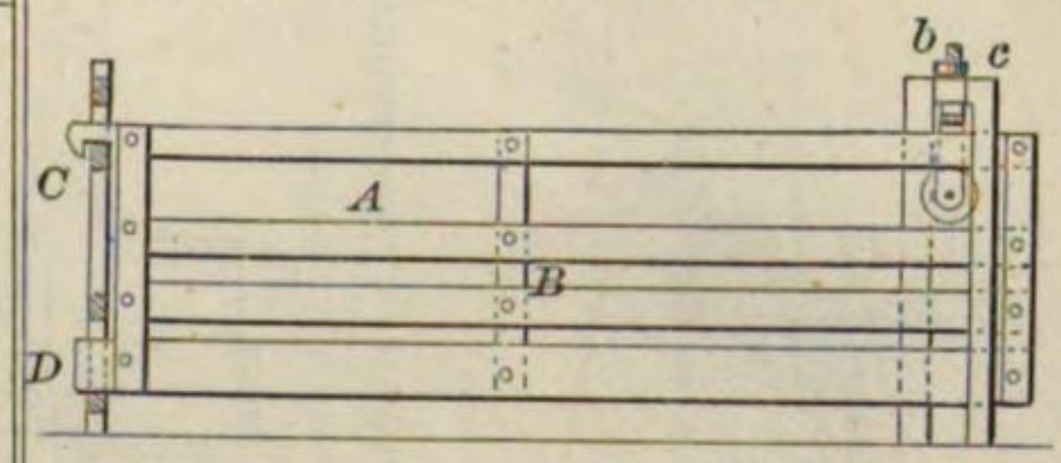




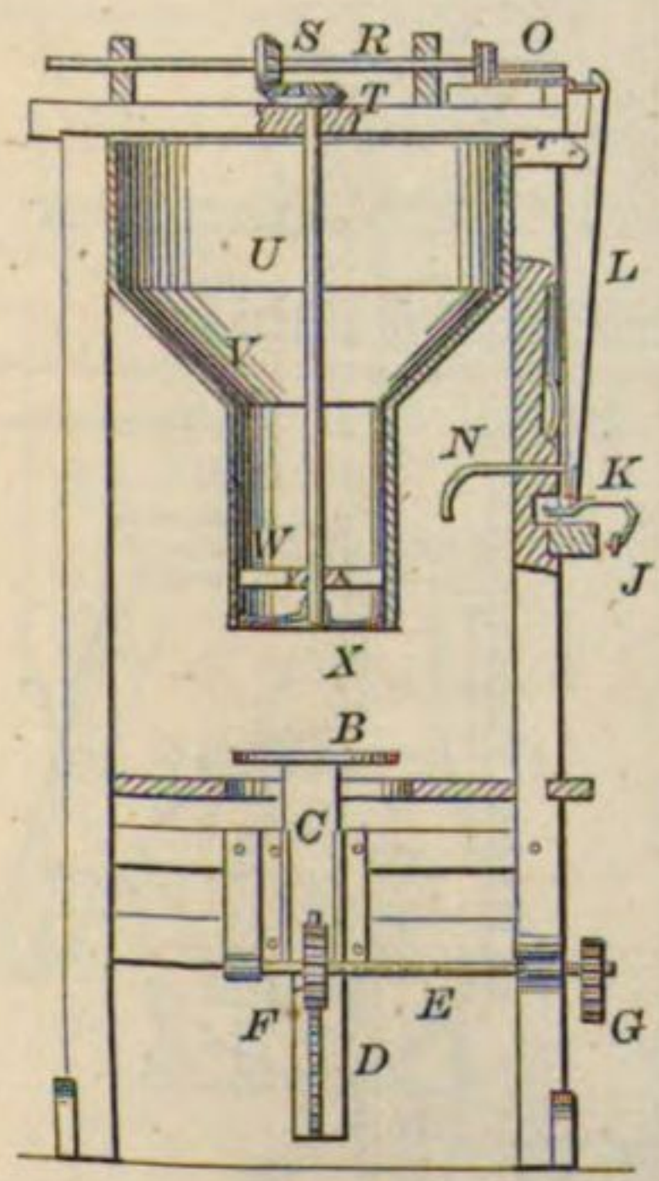
59871—D. H. Stephens—*For Making Rule Joints.*

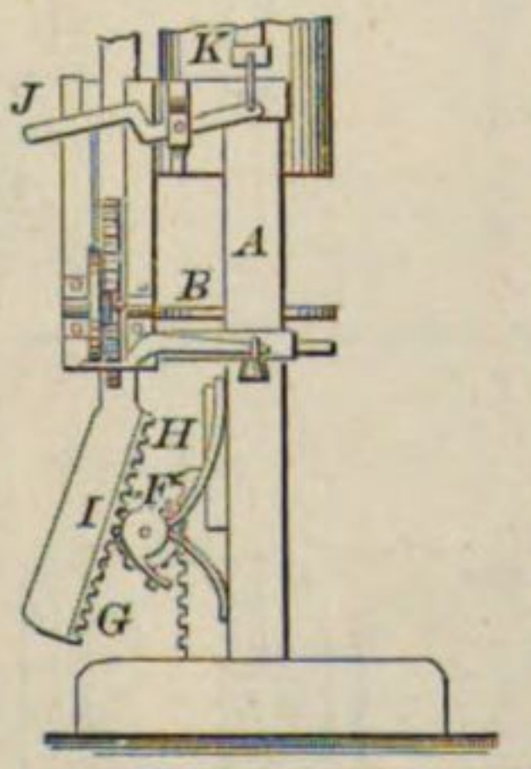


59873—F. F. Terry—*Farm Gate.*

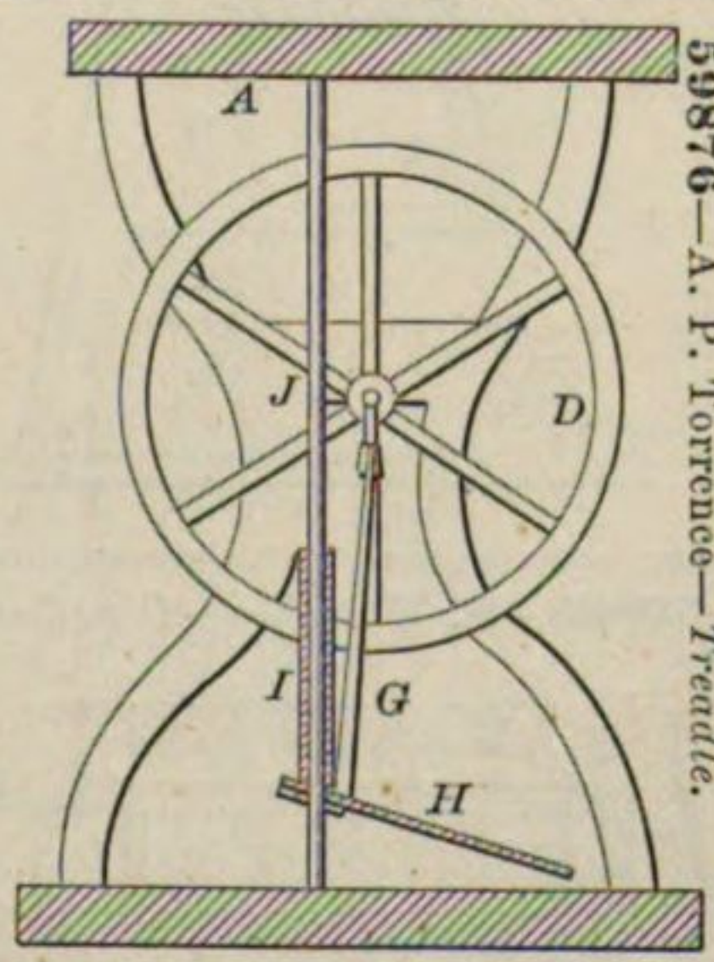


59872—L. W. Feeter—*Flour Packer.*

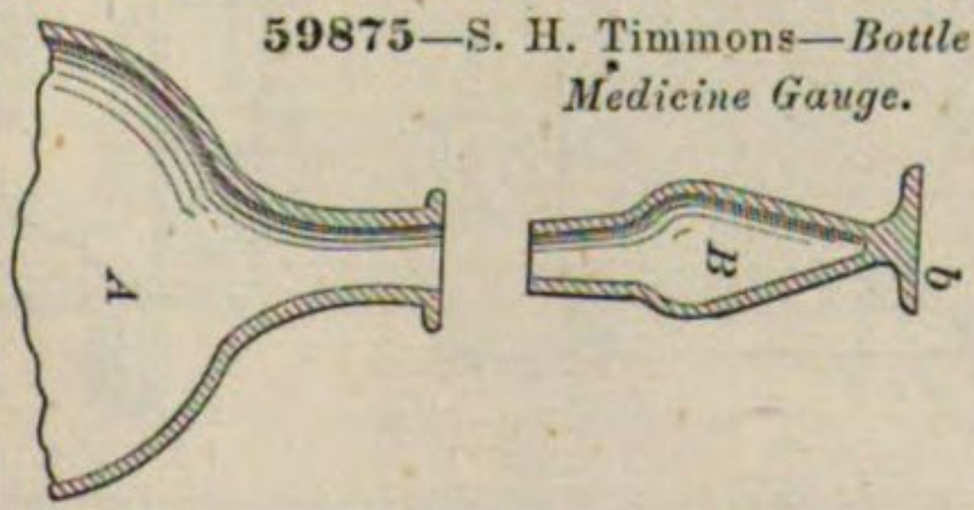




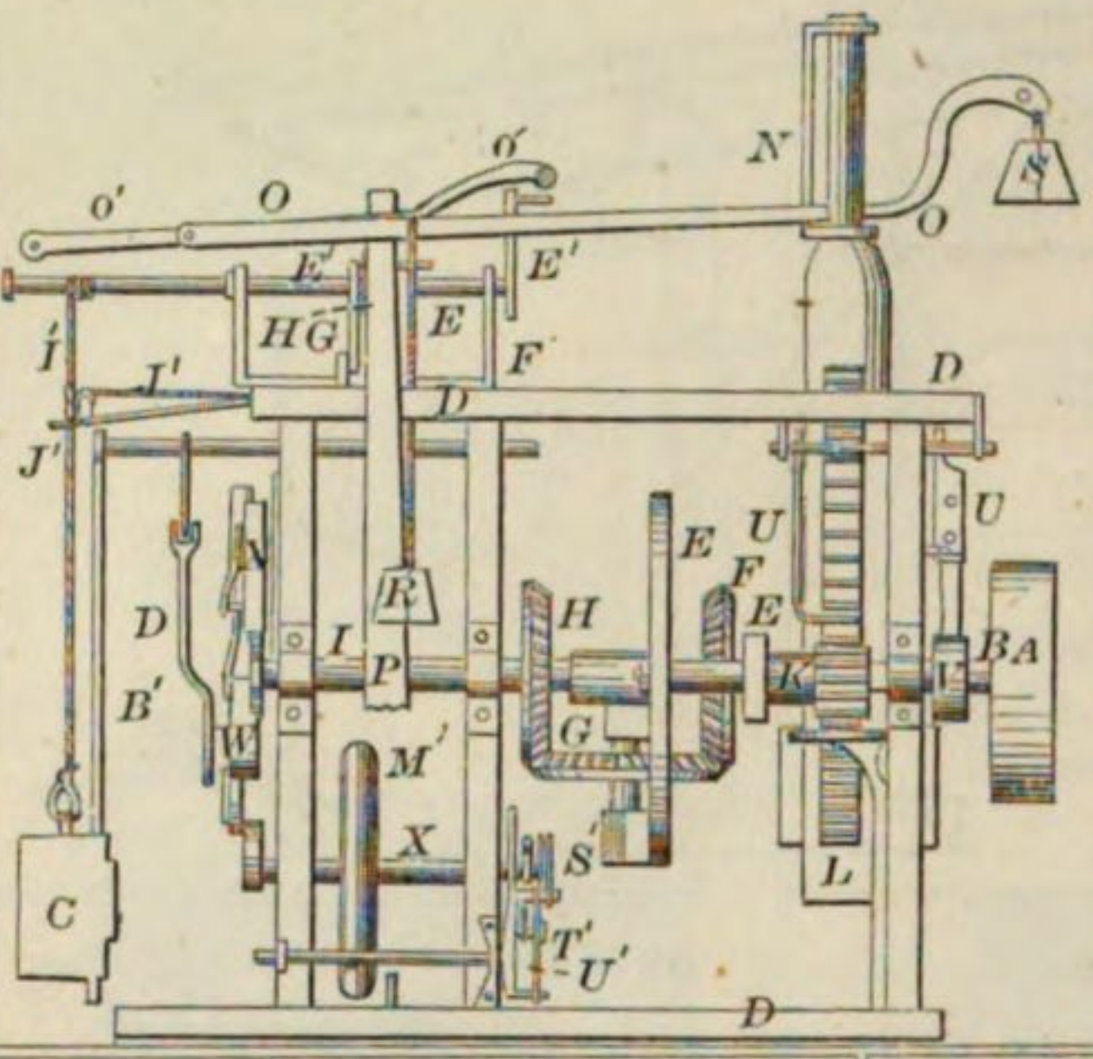
59876—A. P. Torrence—*Treadle.*



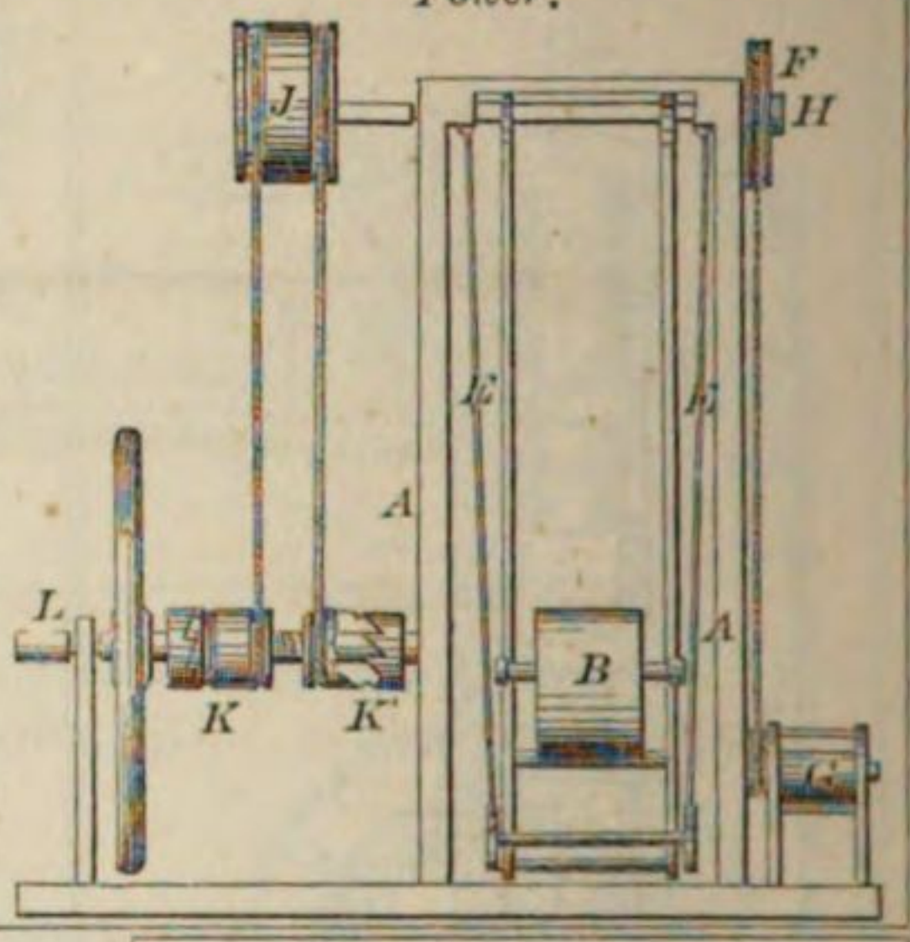
59875—S. H. Timmons—*Bottle Stopper and Medicine Gauge.*



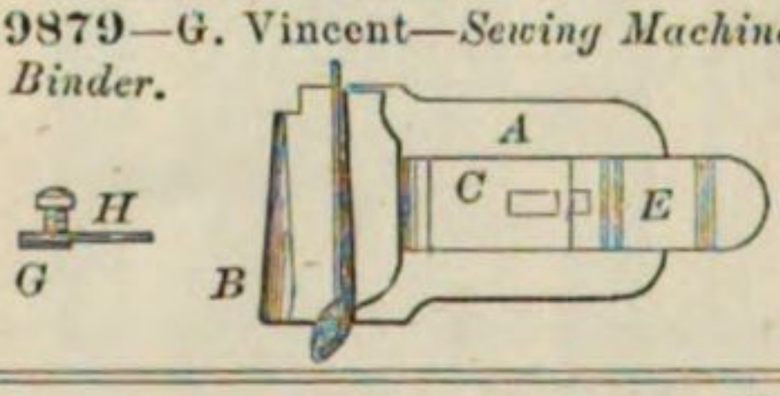
59877—E. Towers—*Vibrating Governor.*



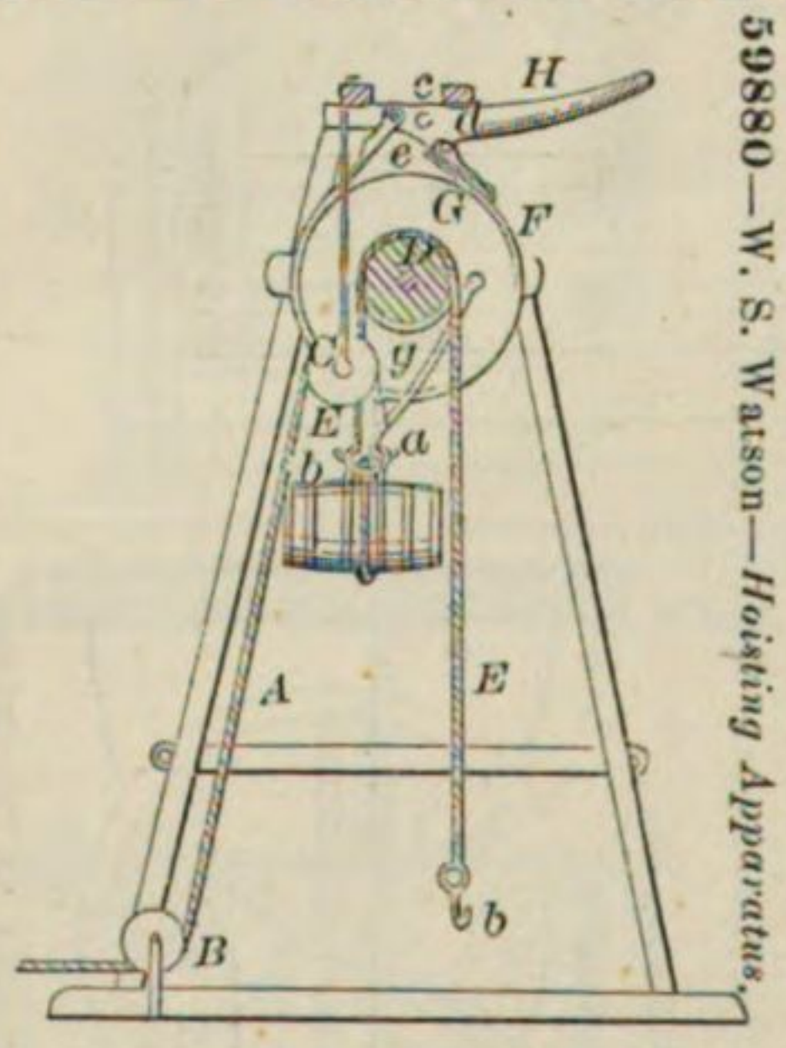
59878—Valentine & Longton—*Swing Power.*



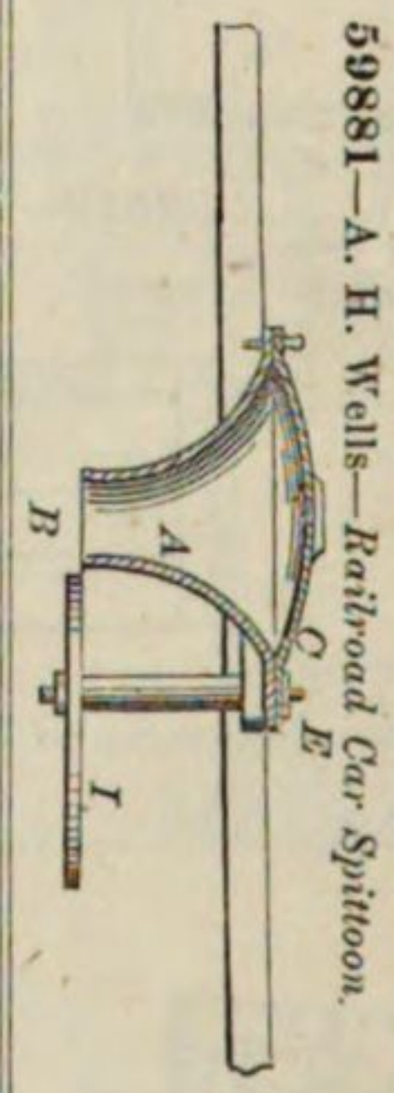
59879—G. Vincent—*Sewing Machine Binder.*



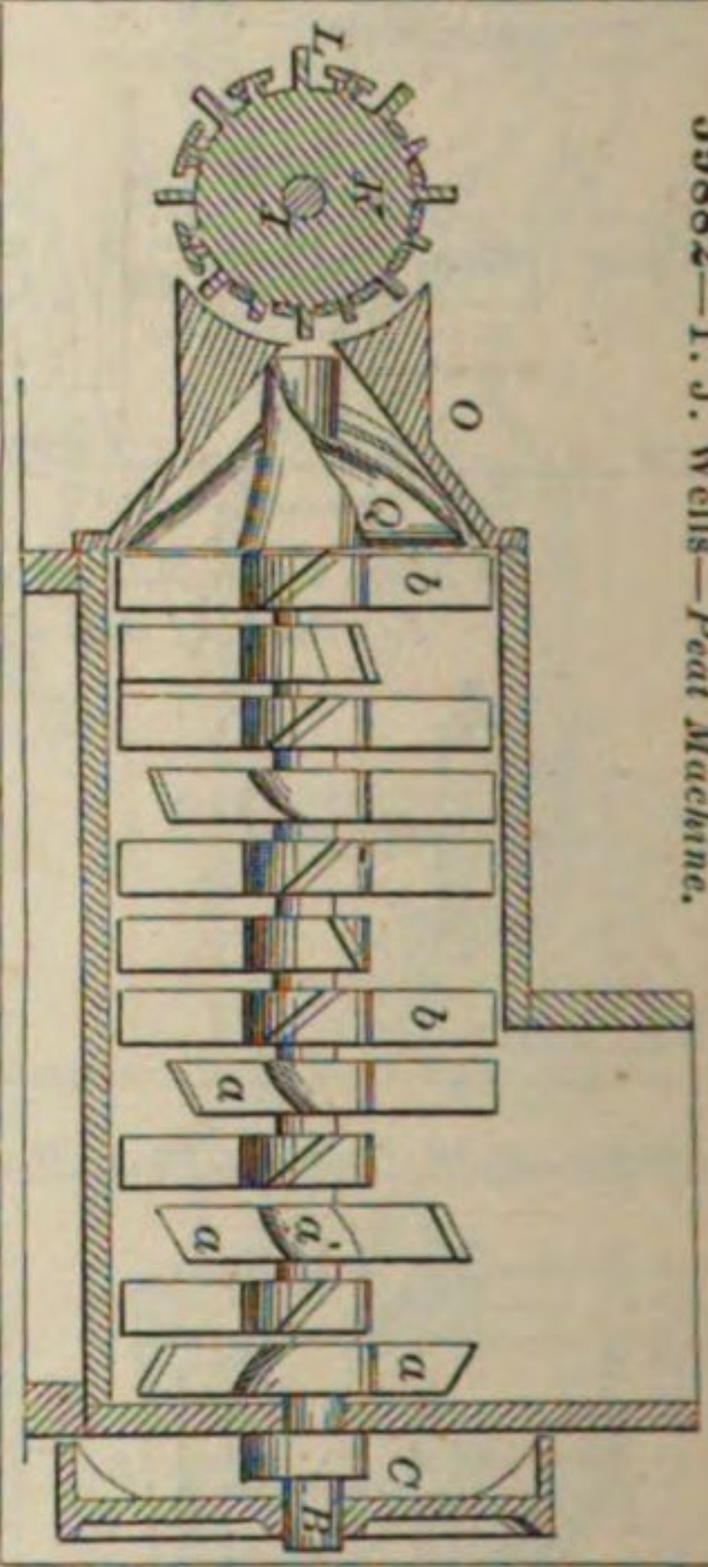
59880—W. S. Watson—*Hoisting Apparatus.*



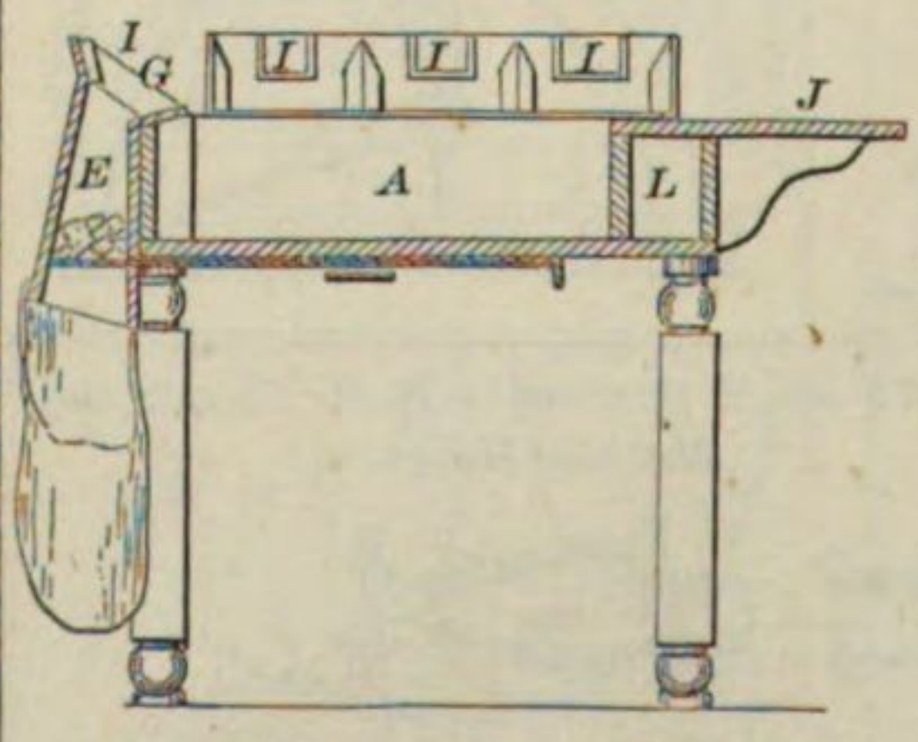
59881—A. H. Wells—*Railroad Car Spittoon.*

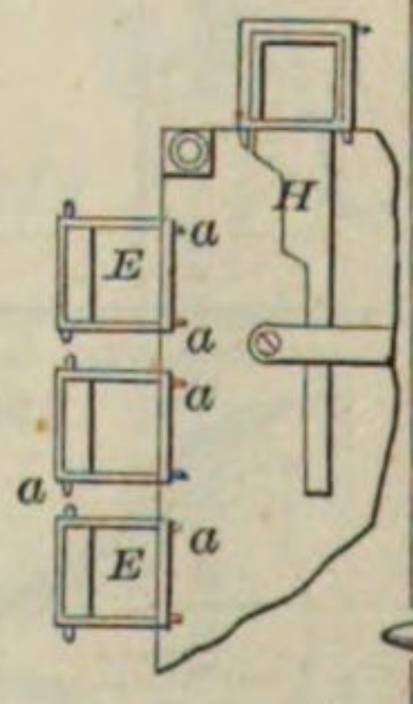


59882—T. J. Wells—*Peat Machine.*

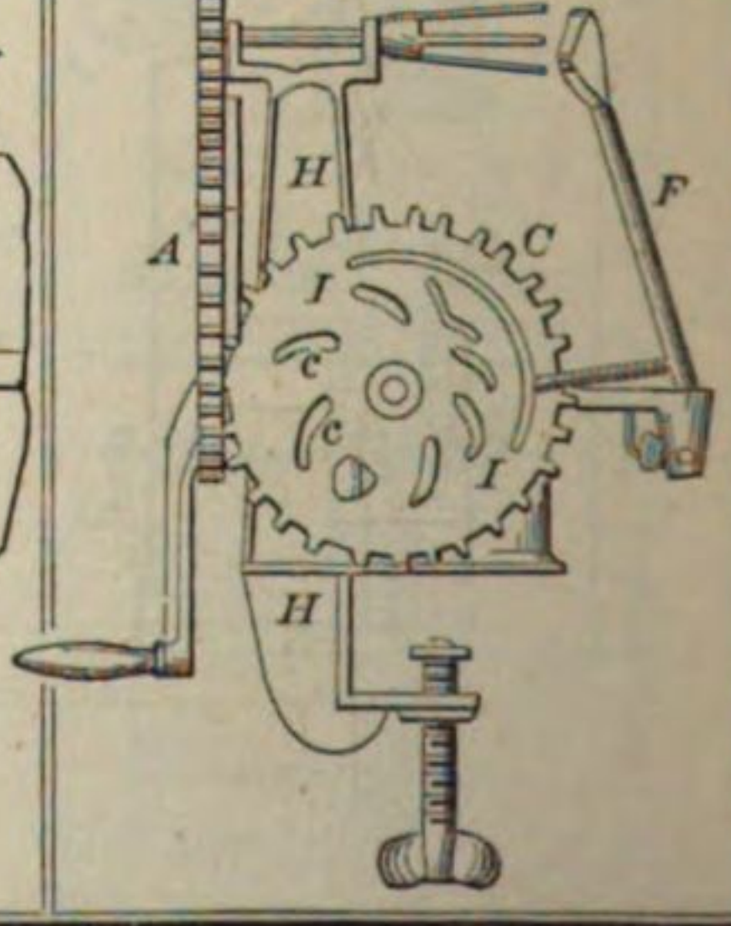


59883—G. Whitaker—*Distributing Table.*

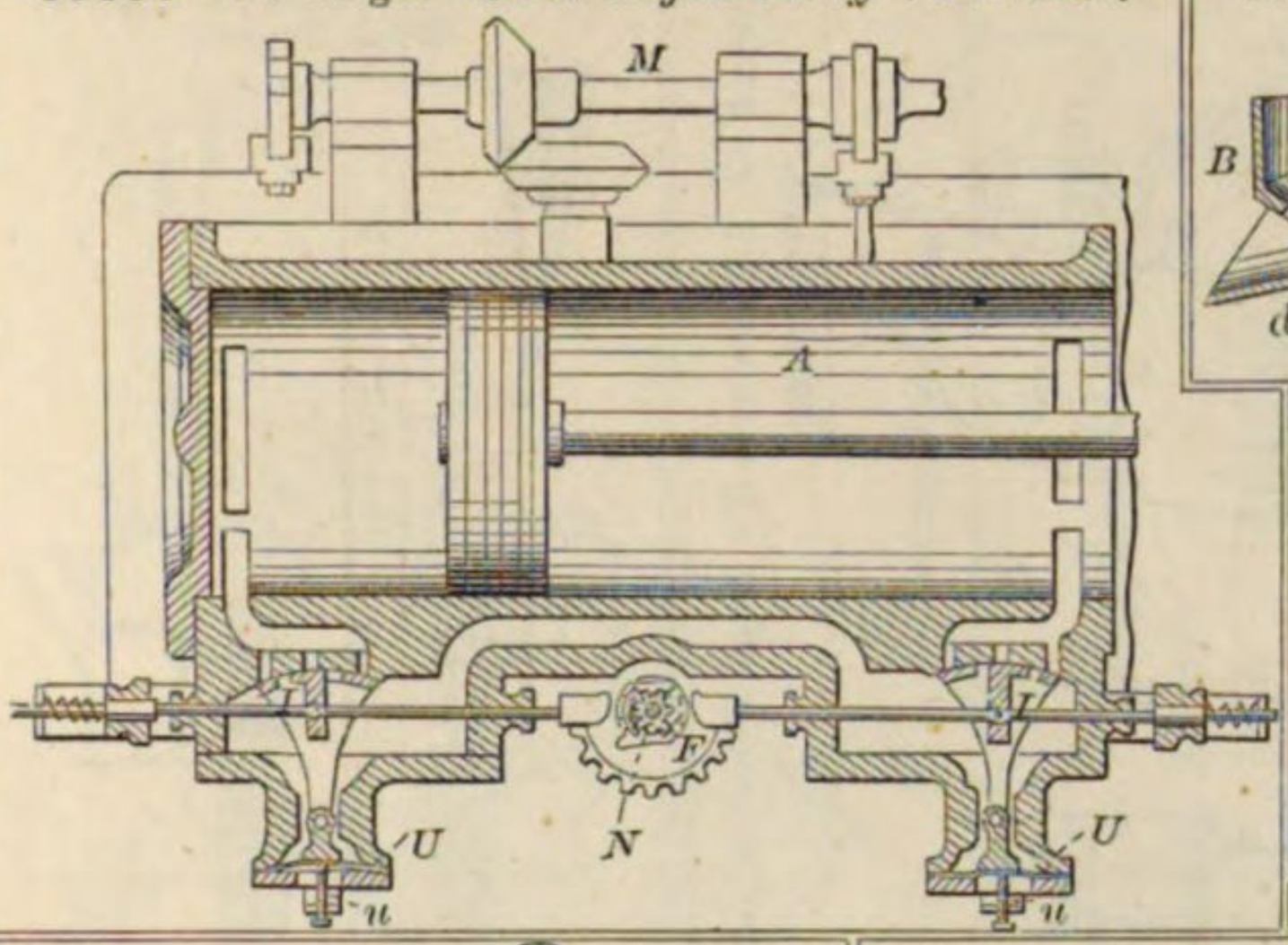




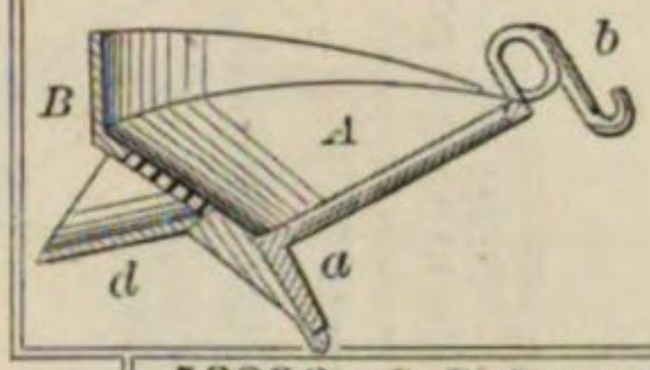
59884—D. H. Whittemore—*Apple Parer.*



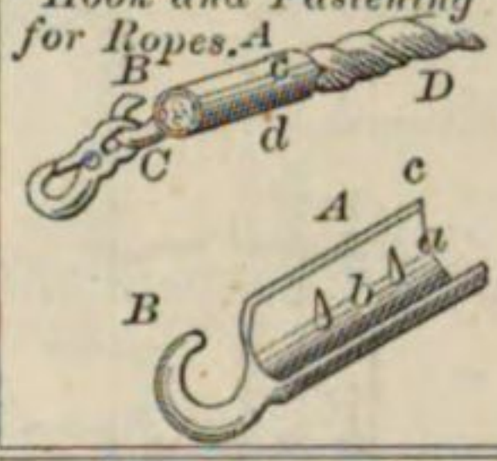
59886—W. Wright—*Steam Engine Cut-off Valve Gear.*



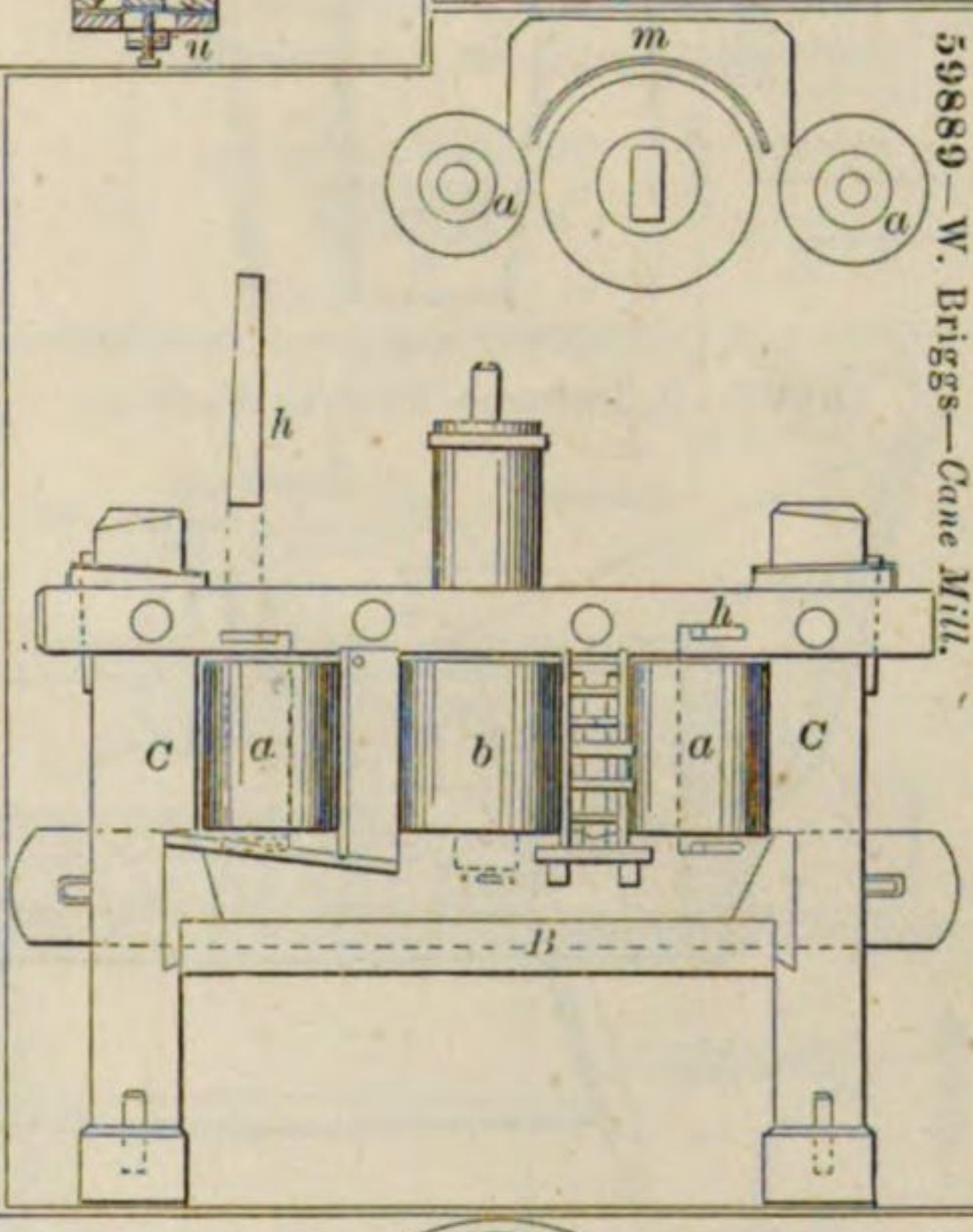
59885—N. A. Wright—*Milk Strainer.*



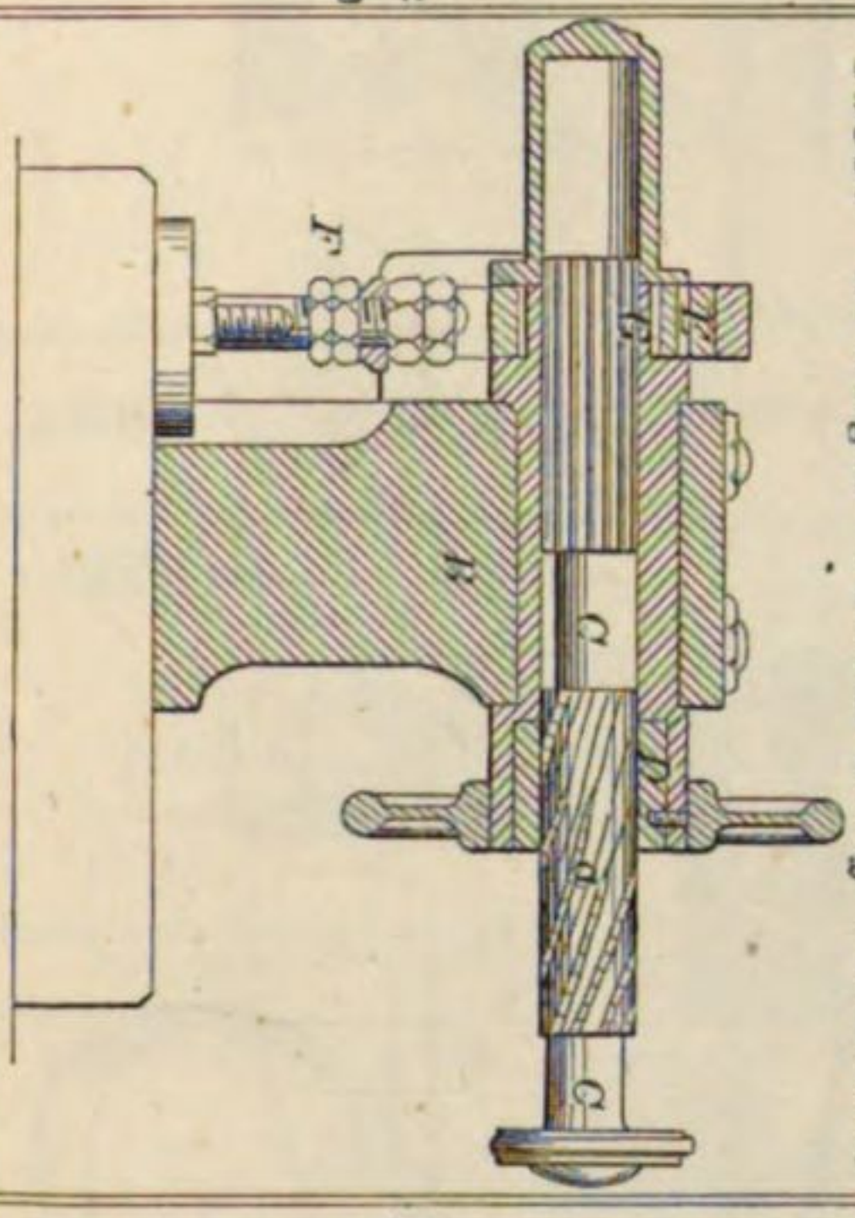
59890—C. B. Bristol—*Hook and Fastening for Ropes.*



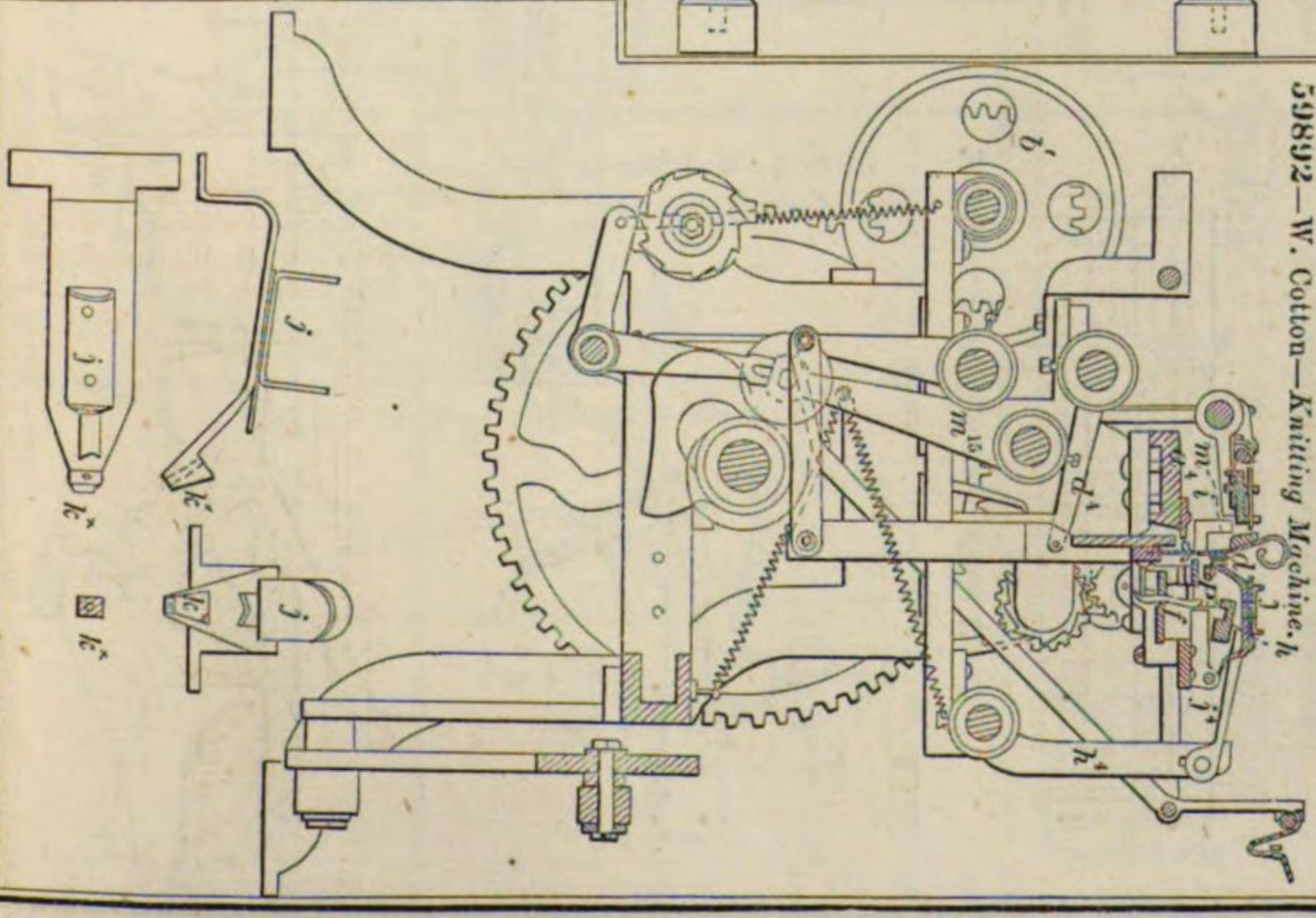
59889—W. Briggs—*Cane Mill.*



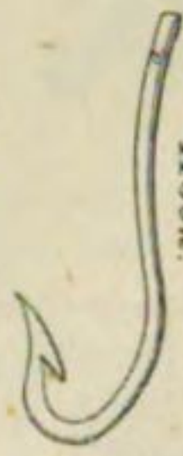
59887—W. Wright—*Variable Cut-off Valve Gear.*



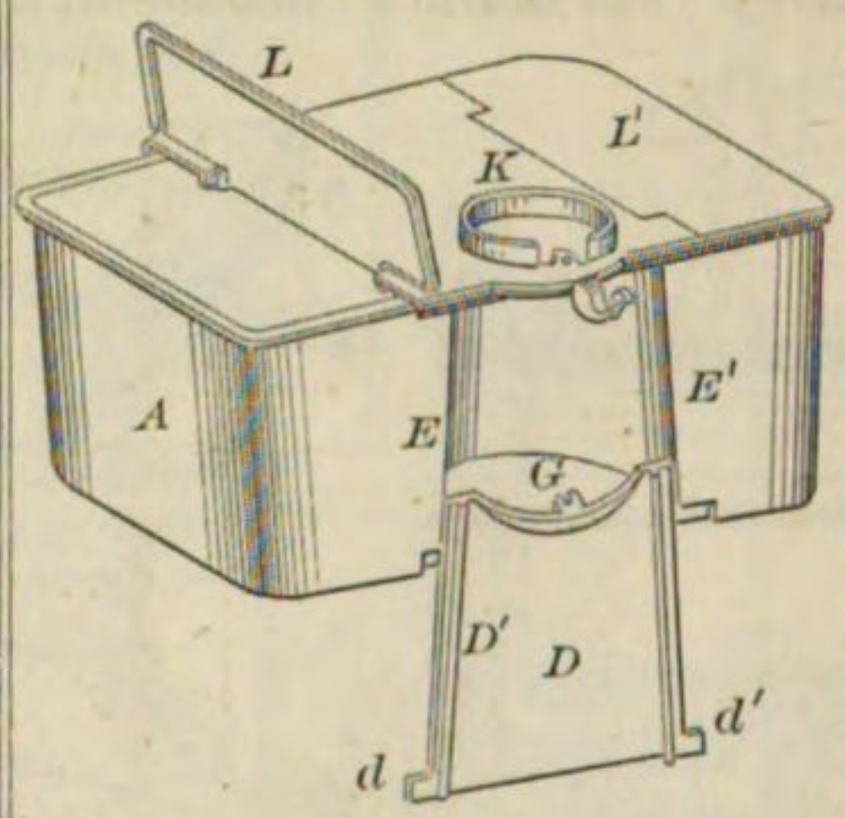
59892—W. Cotton—*Knitting Machine.*

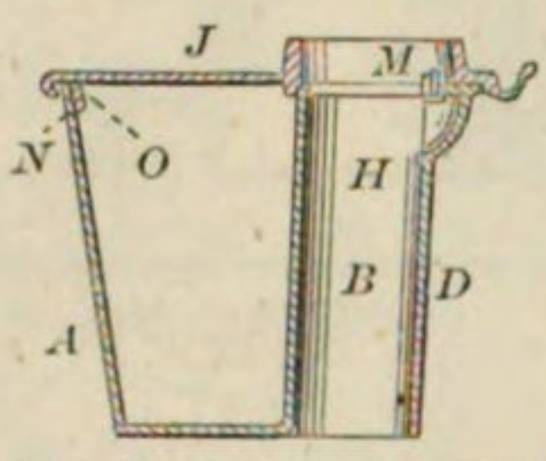


59893—C. O. Crosby—*Fish Hook.*

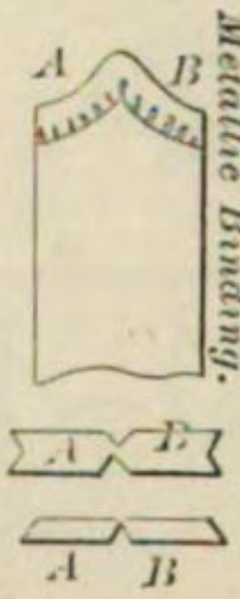


59894—J. B. Crowley—*Hot Water Reservoir for Stoves.*

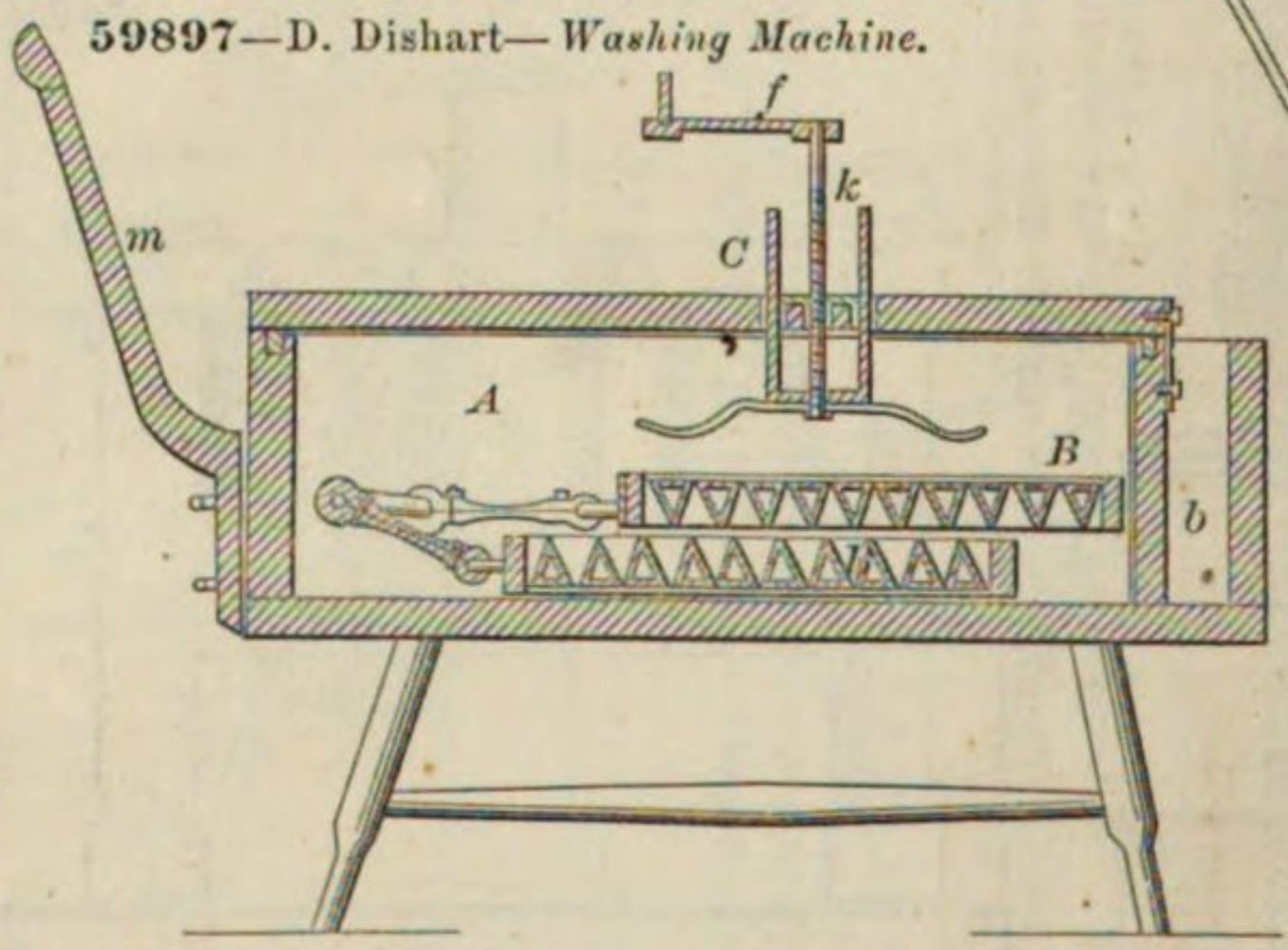




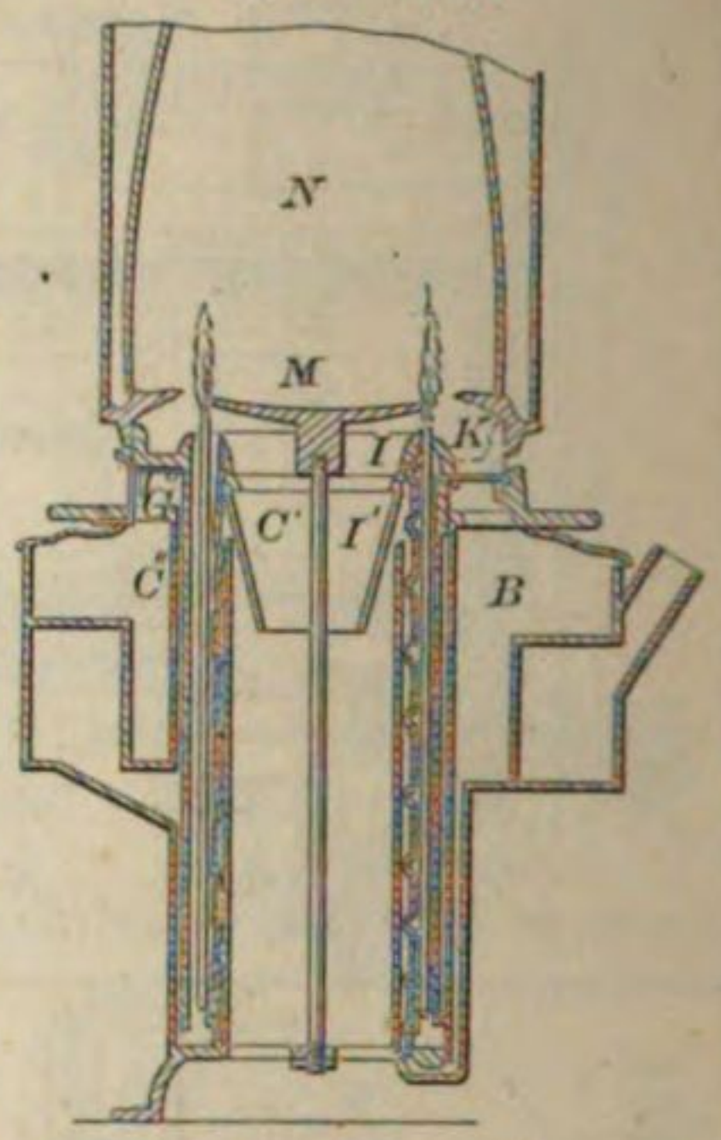
59895—T. B. De Forest—*Metallic Binding.*



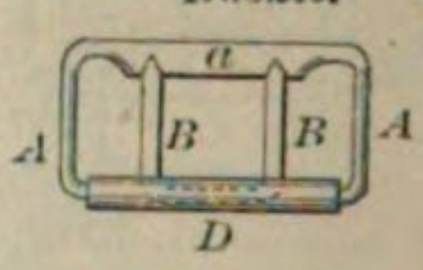
59897—D. Dishart—*Washing Machine.*



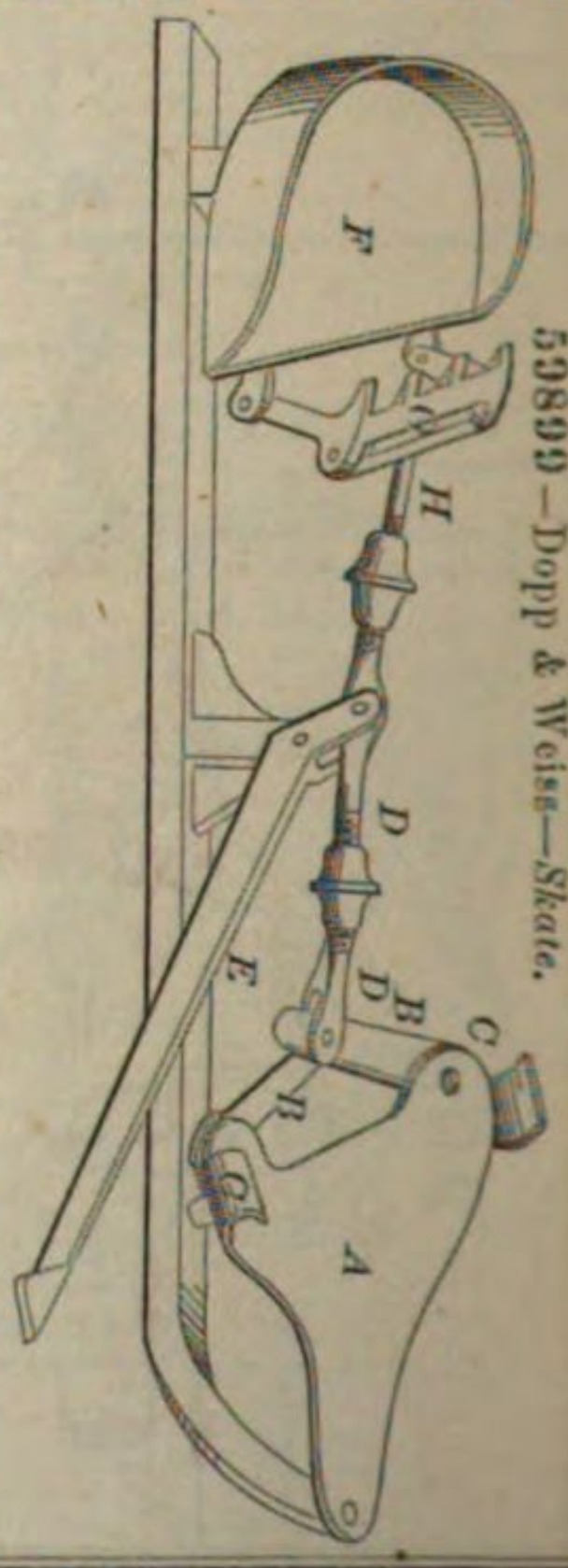
59898—H. W. Dopp—*Tubular Wick Burner.*



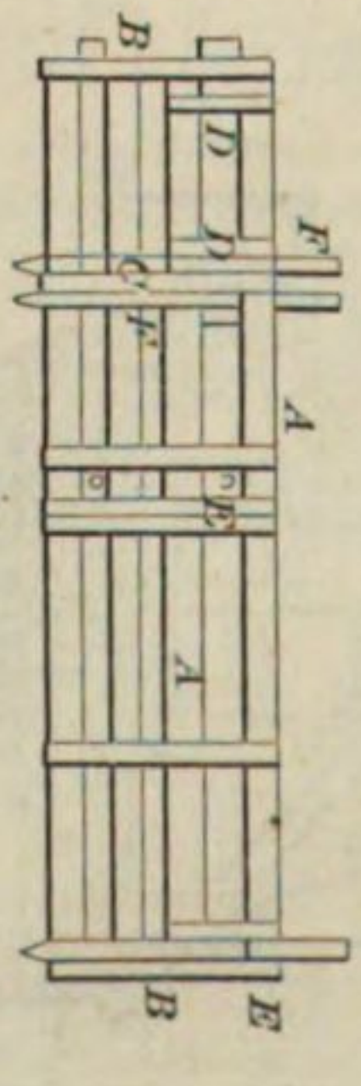
59896—T. B. De Forest—*Buckle.*



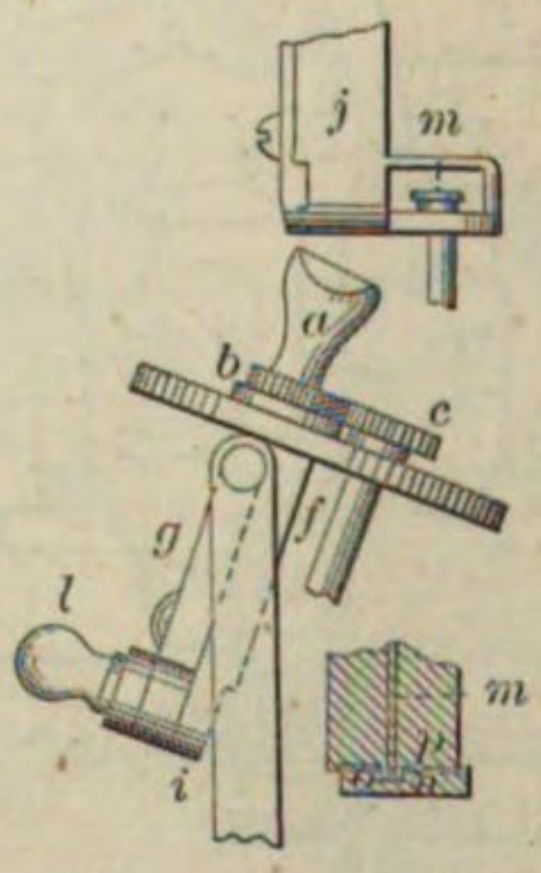
59899—Dopp & Weiss—*Skate.*



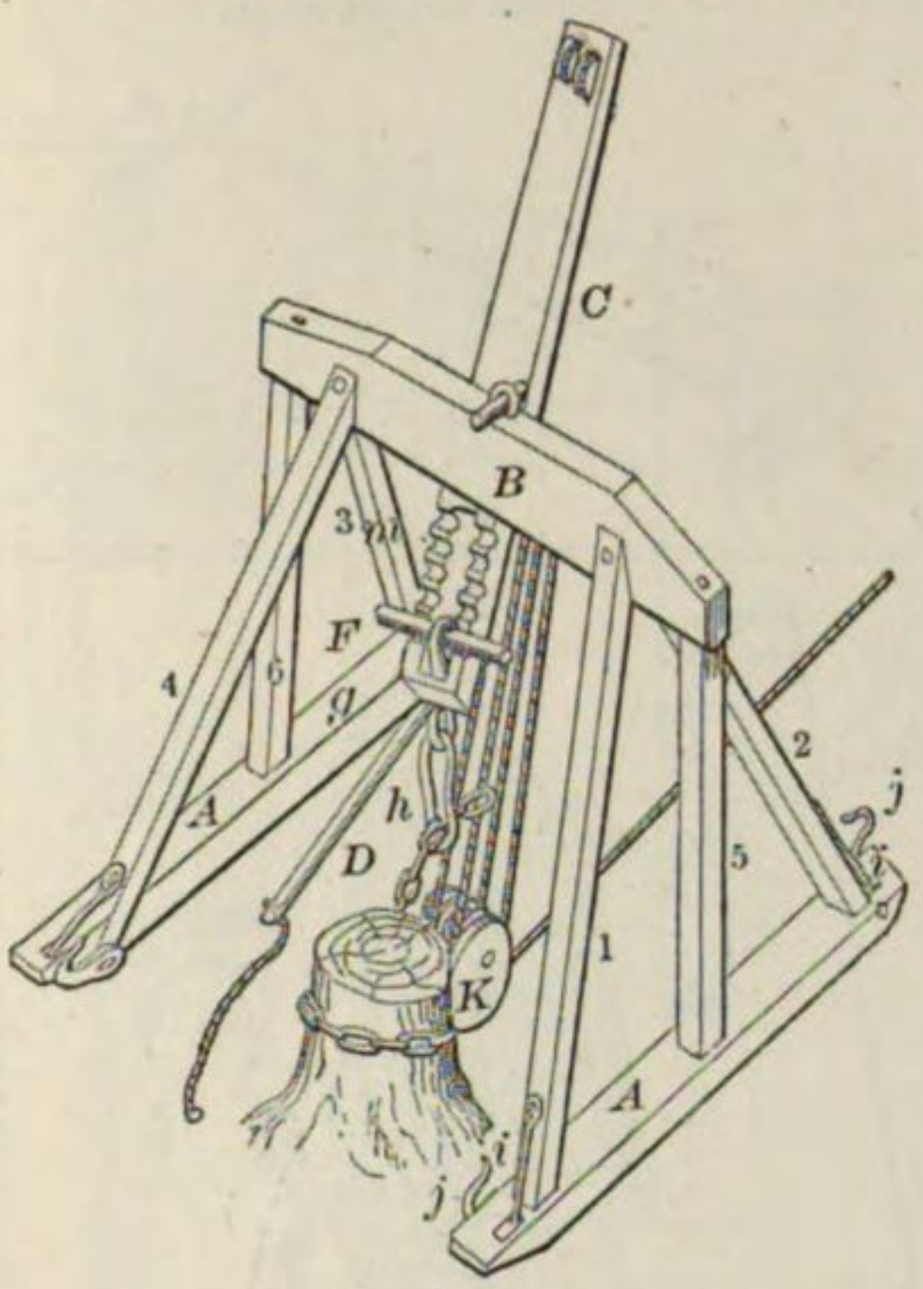
59900—A. Fanckboner—*Field Fence.*



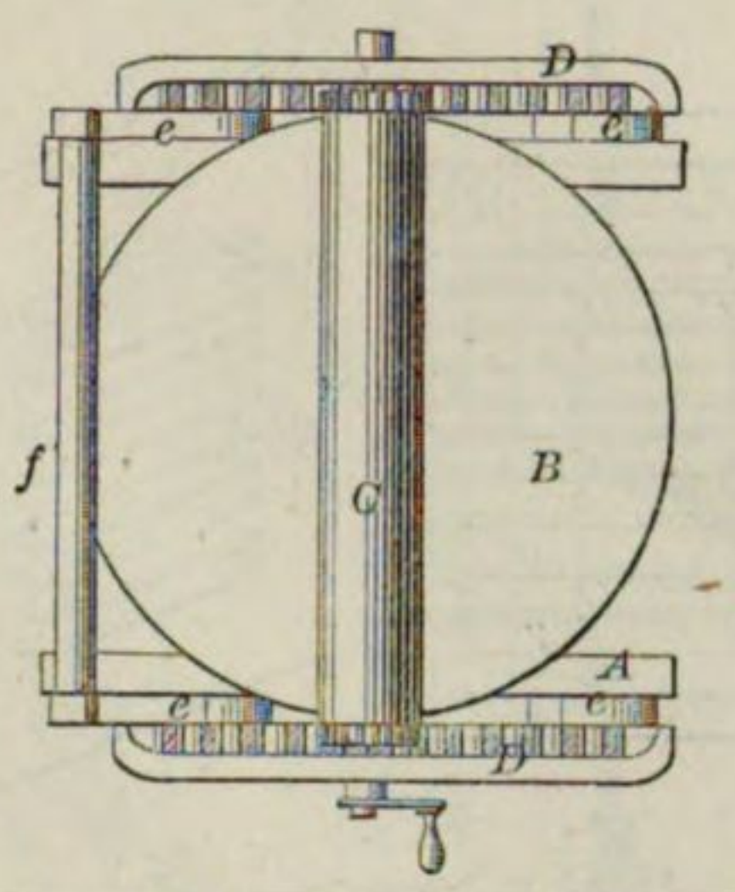
59901—W. Fitzgerald—*Pegging Machine.*



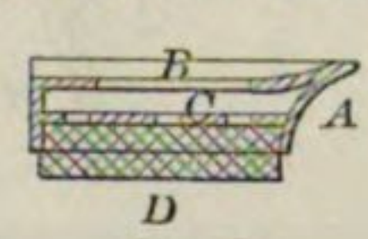
59904—I. Flanders—*Stump Extractor.*



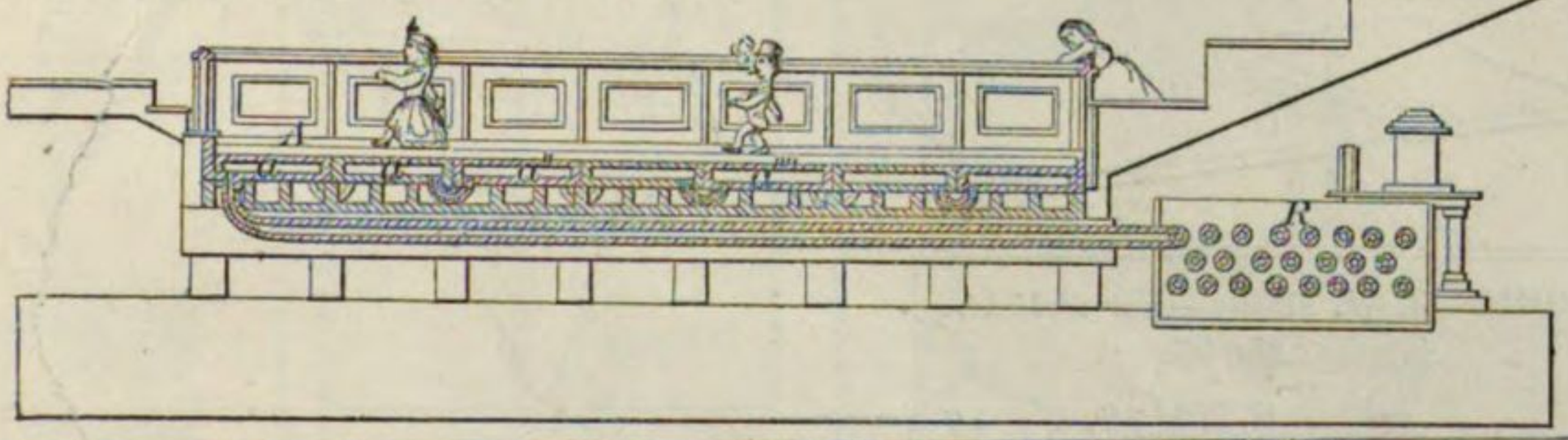
59905—J. S. Foster—*Pastry Roller.*



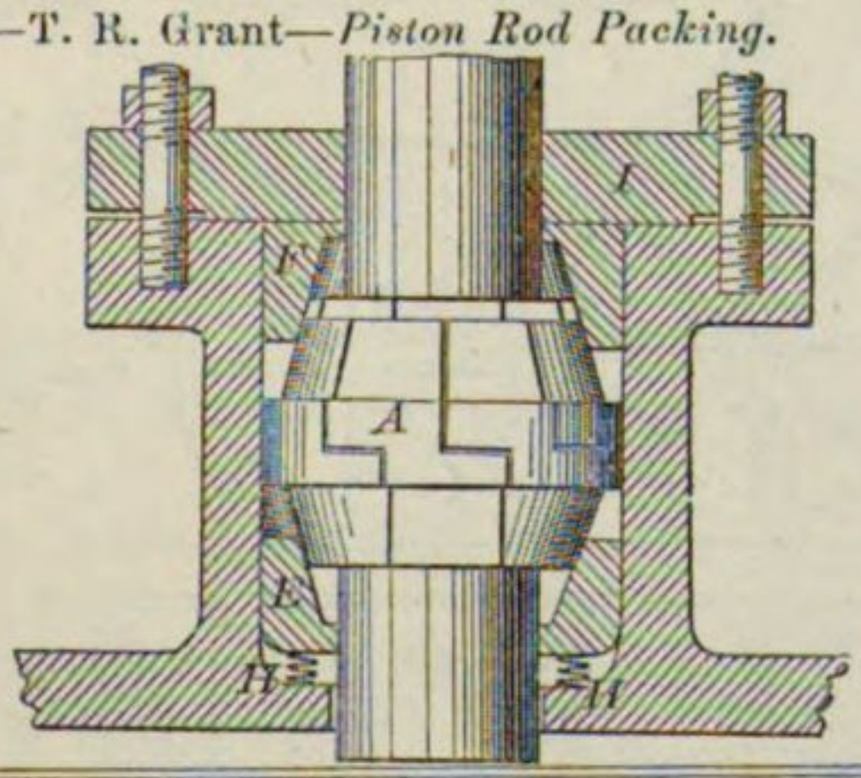
59908—J. H. Greenleaf—*Boot Heel.*



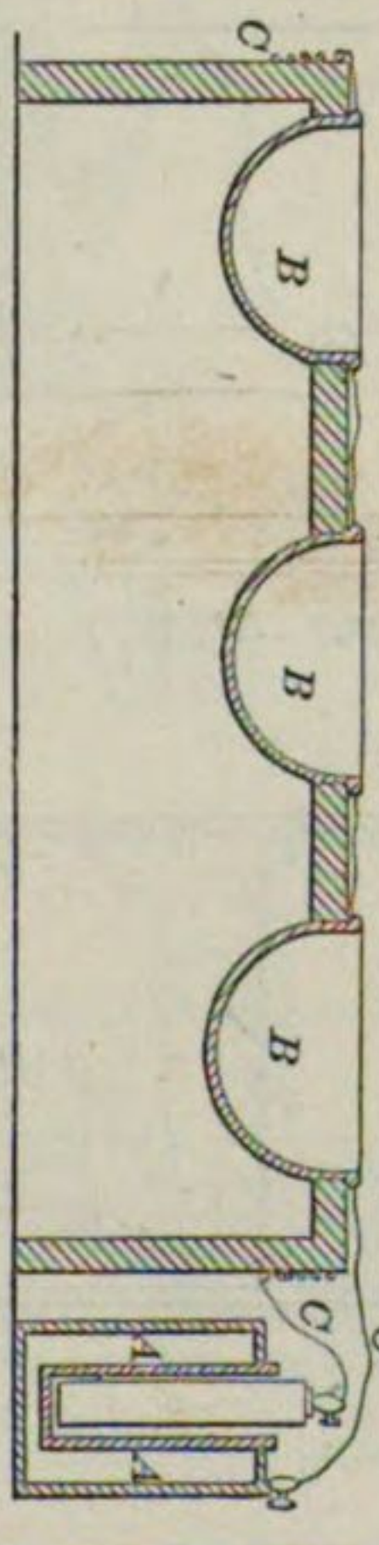
59906—H. P. Gengembre—*Skating Floor.*



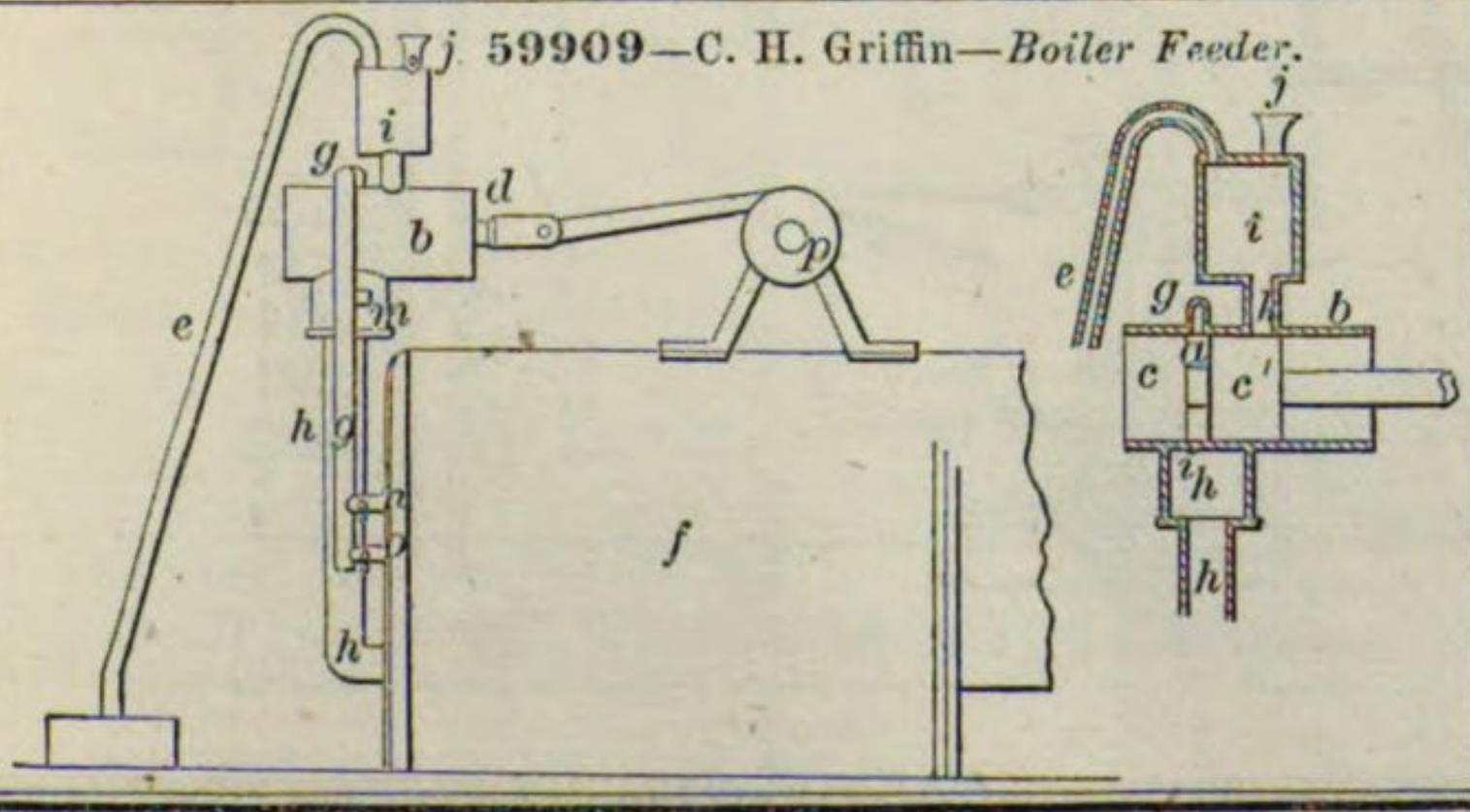
59907—T. R. Grant—*Piston Rod Packing.*



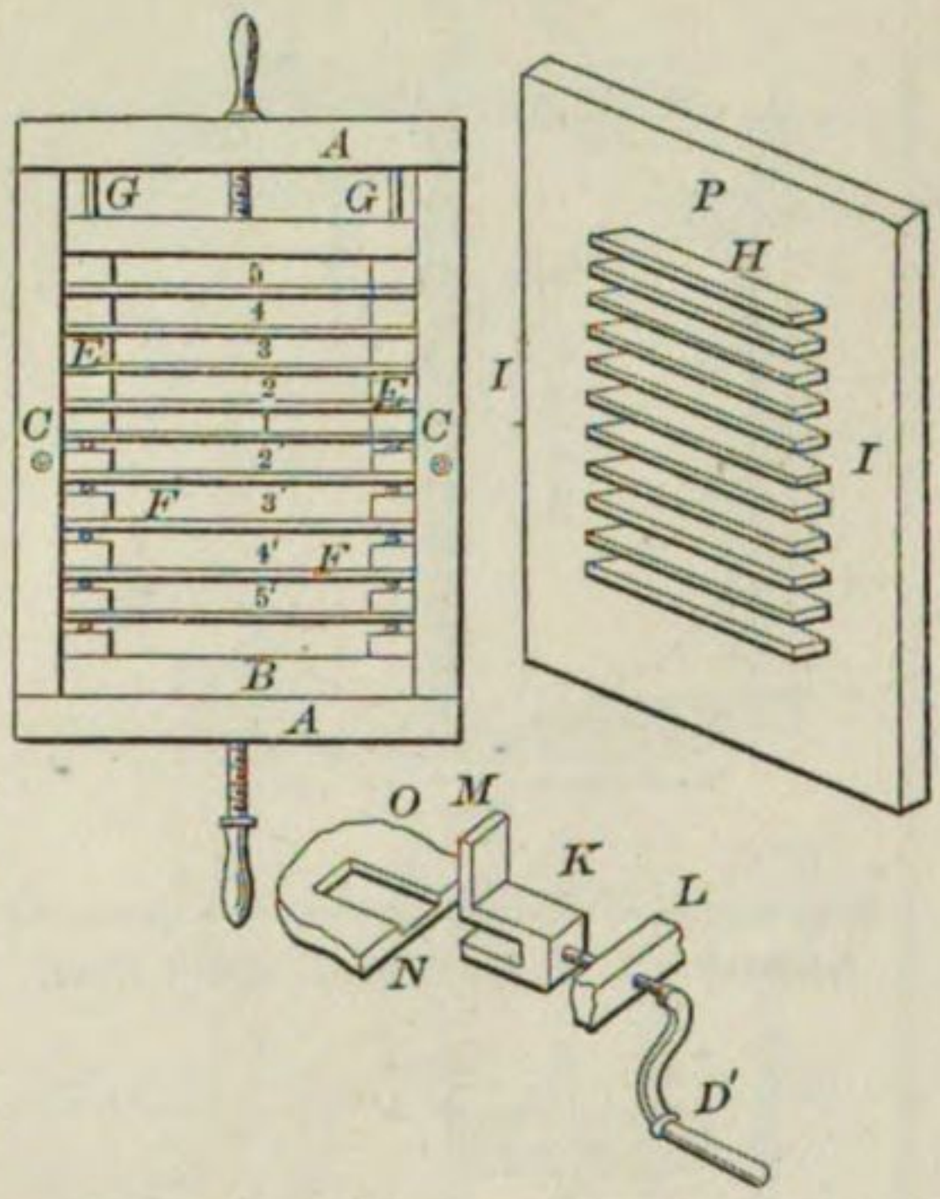
59910—A. T. Hay—*For Preventing Incrustation of Boilers.*



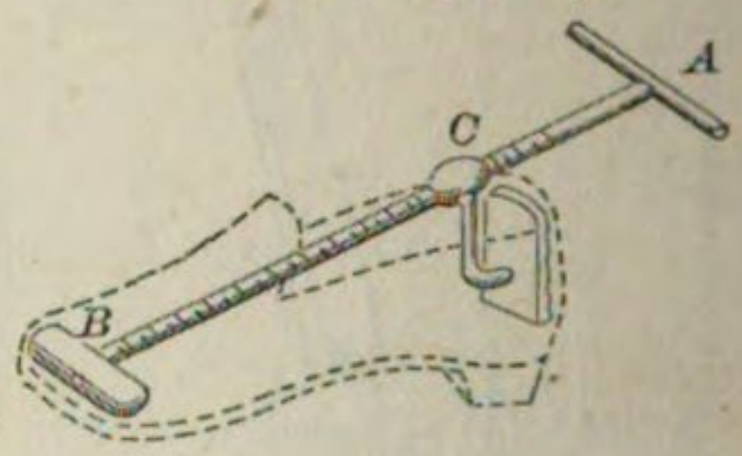
59909—C. H. Griffin—*Boiler Feeder.*



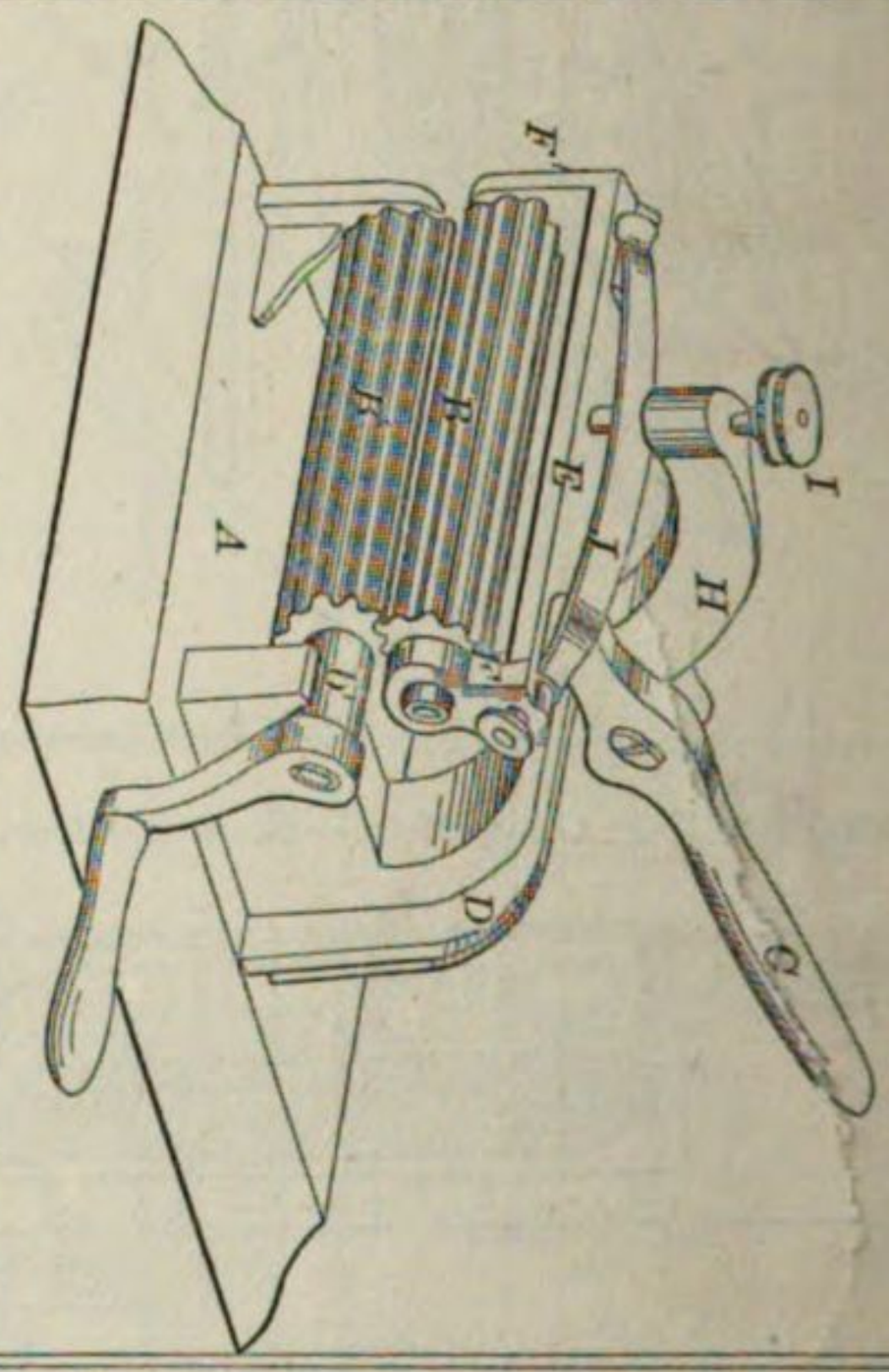
59911—G. Heiss—*Cigar Press.*



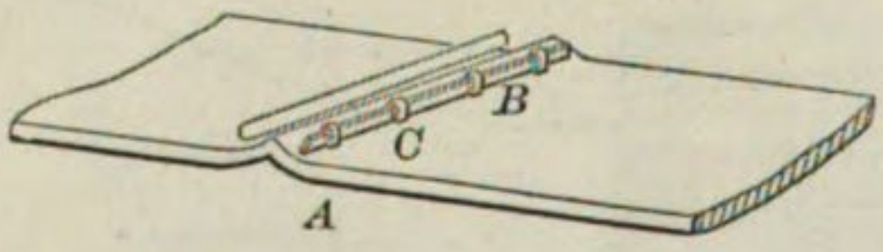
59912—W. Jones—*For Stretching Boots and Shoes Lengthways.*



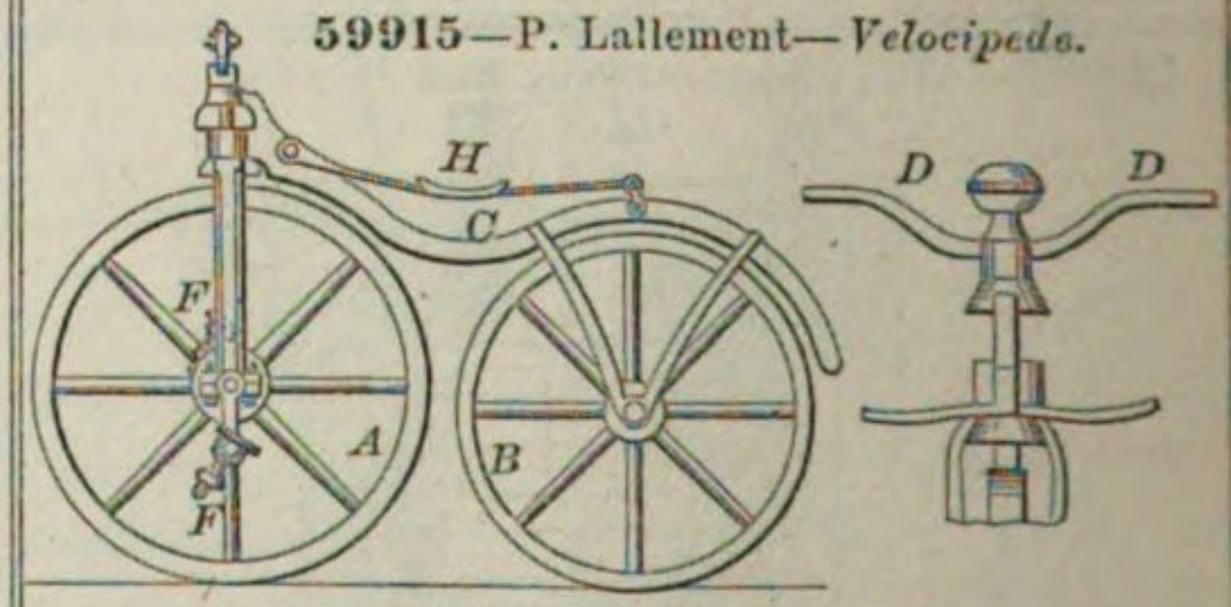
59913—S. R. Knox—*Fluting Machine.*



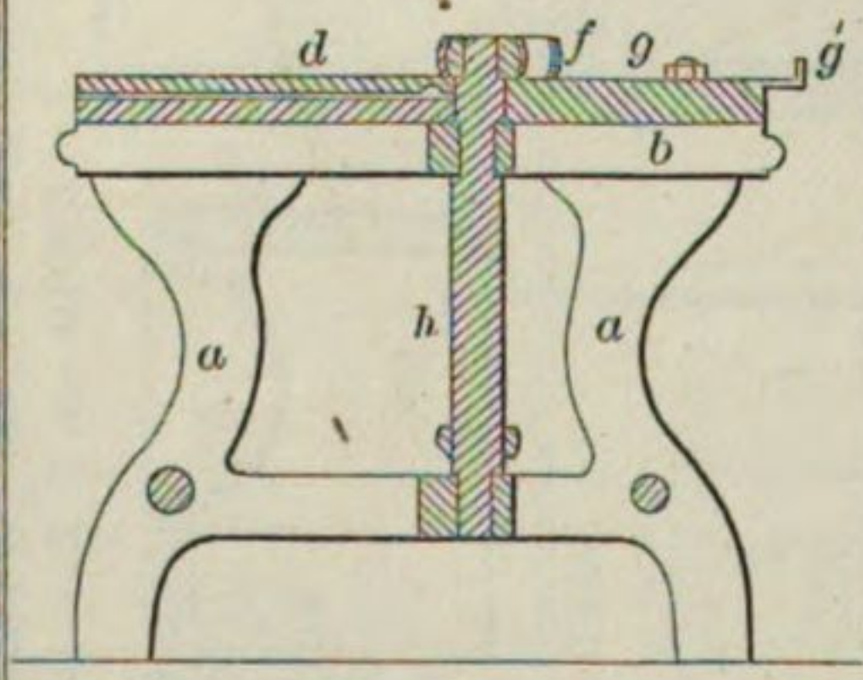
59914—Kromer & Ohlemacher—*Belt Clasp.*



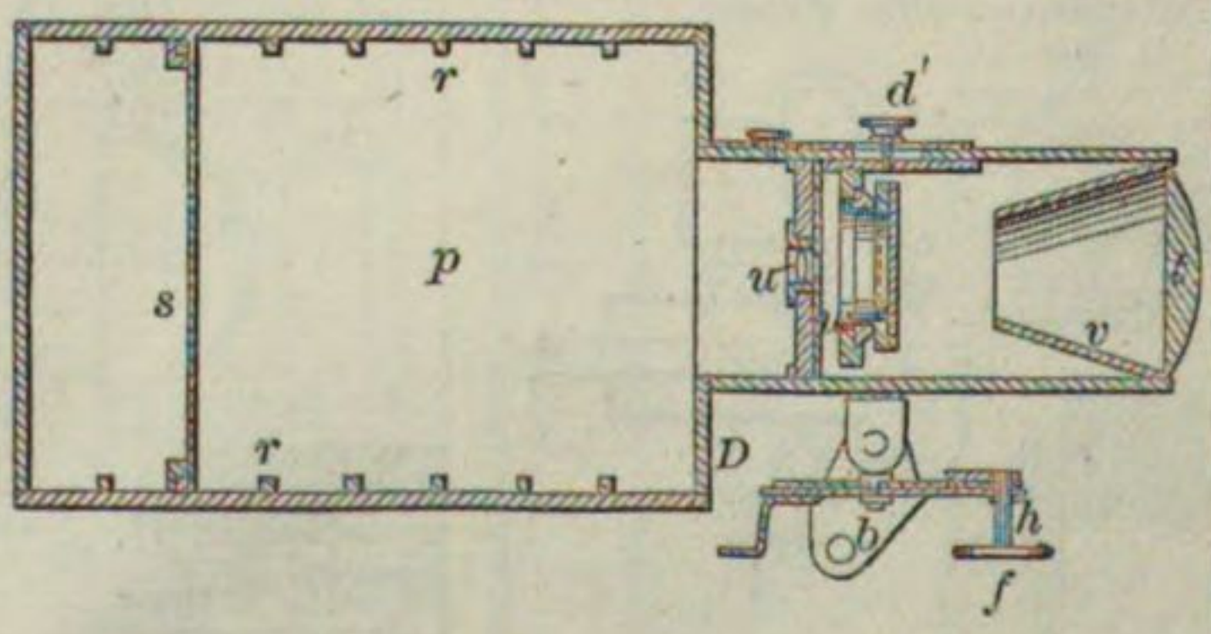
59915—P. Lallement—*Velocipede.*



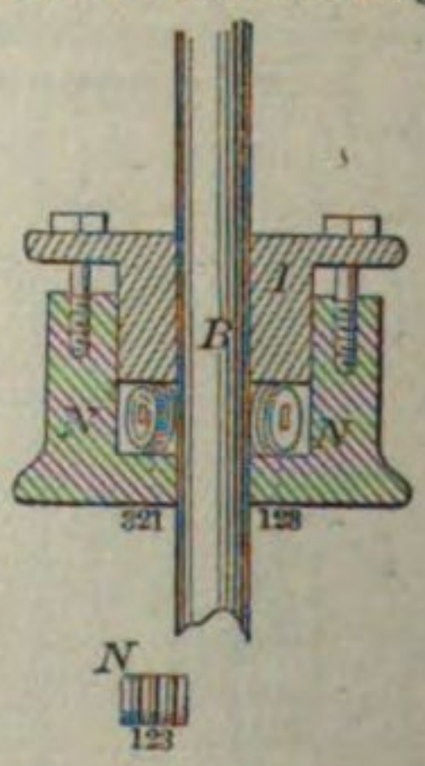
59916—J. W. Maloy—*For Polishing Marble.*



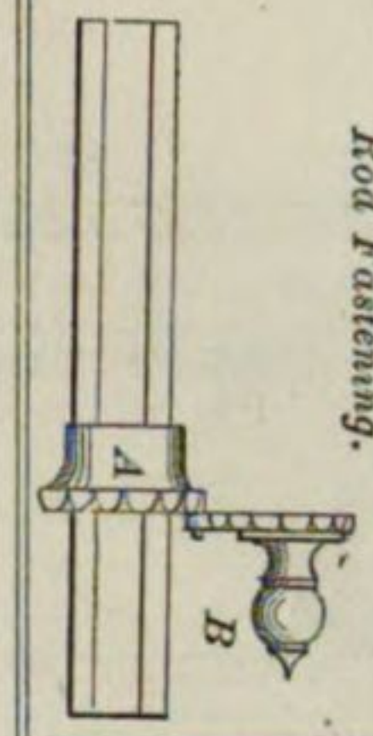
59917—W. H. Masters—*Solar Camera.*



59918—McLean & Vandercar—*Piston Rod Packing.*

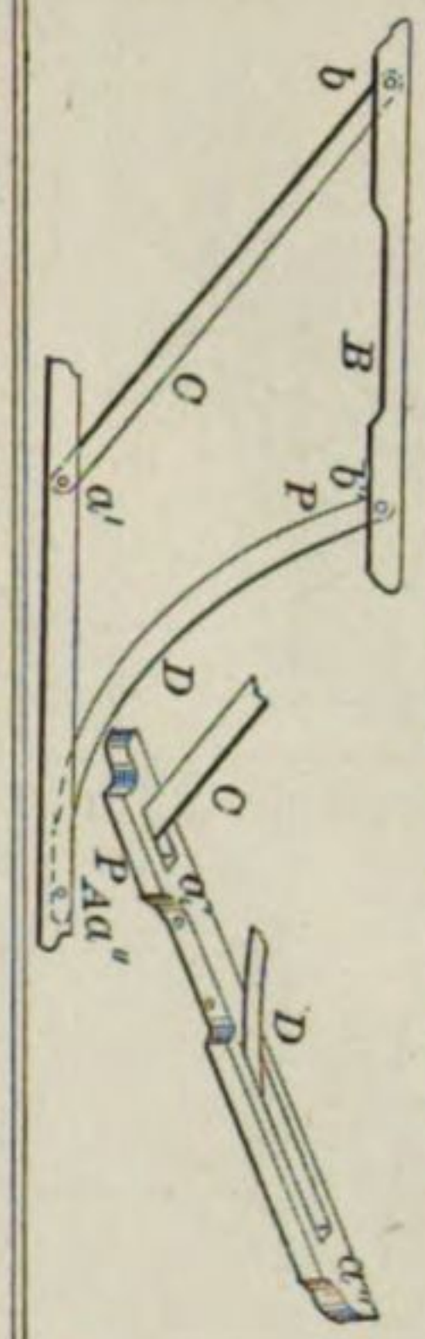


59921—W. T. Mersereau—*Stair Rod Fastening.*

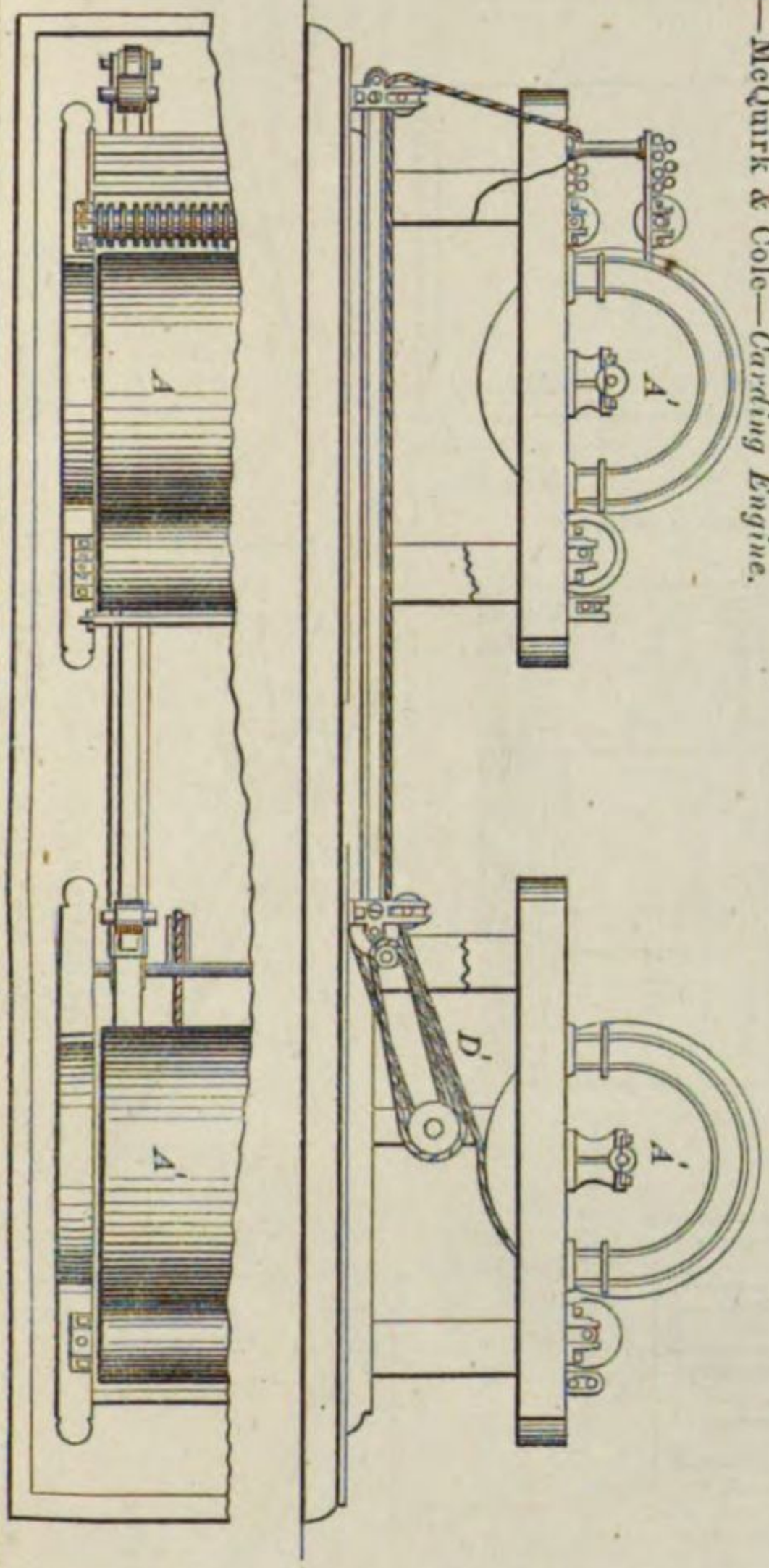


59923—G. L. Morris—*Screw.*

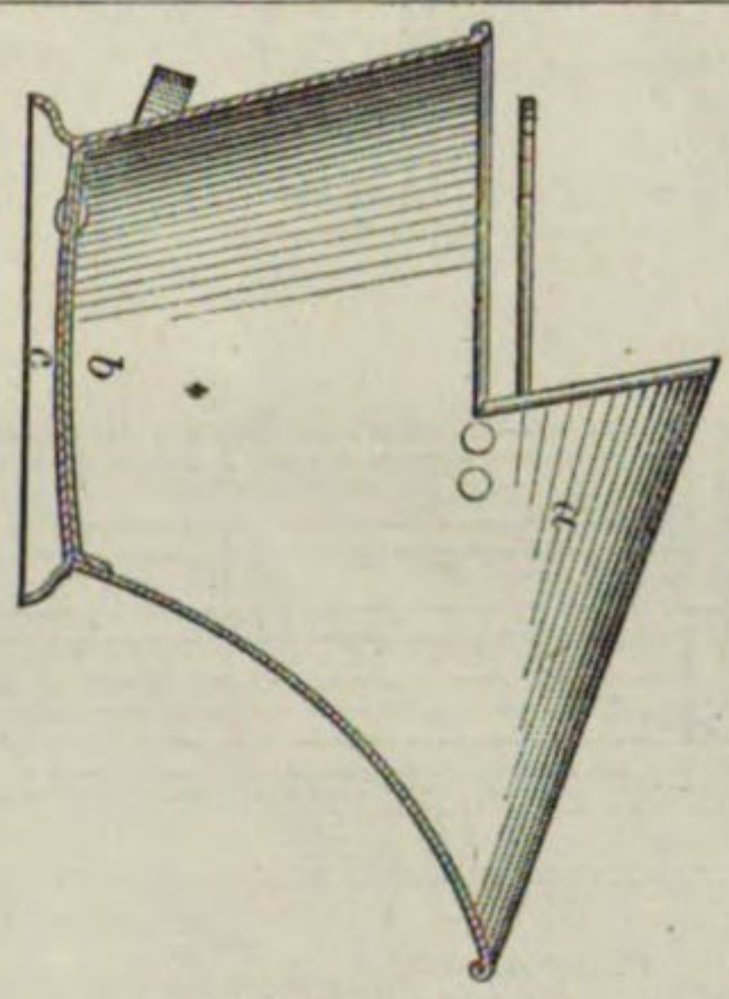
59920—C. R. Mellinger—*Shifting Seat for Carriages.*



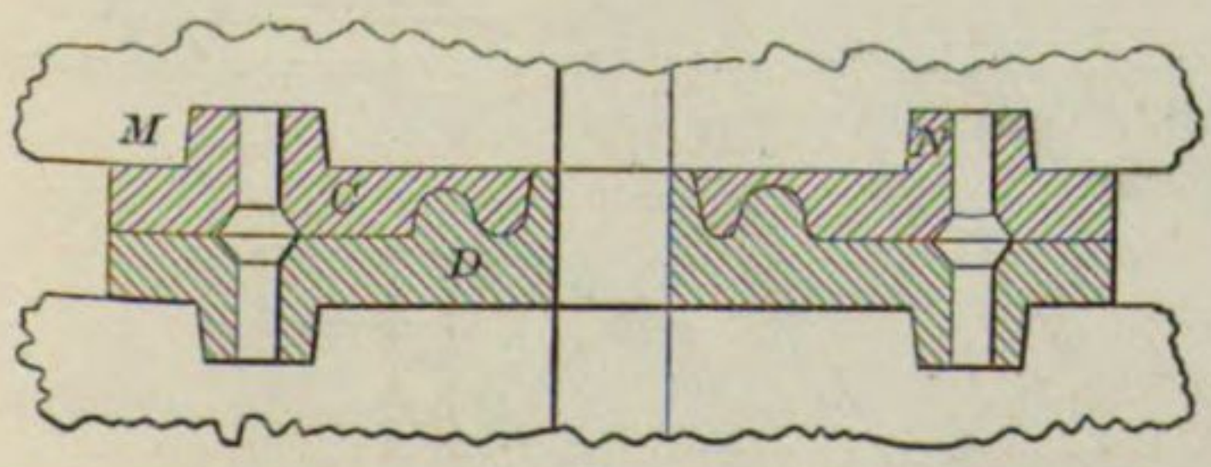
59919—McQuirk & Cole—*Carding Engine.*



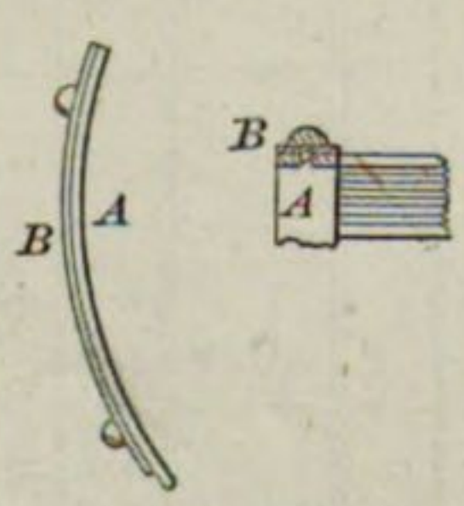
59925—J. H. Pocock—*Coal Hod.*



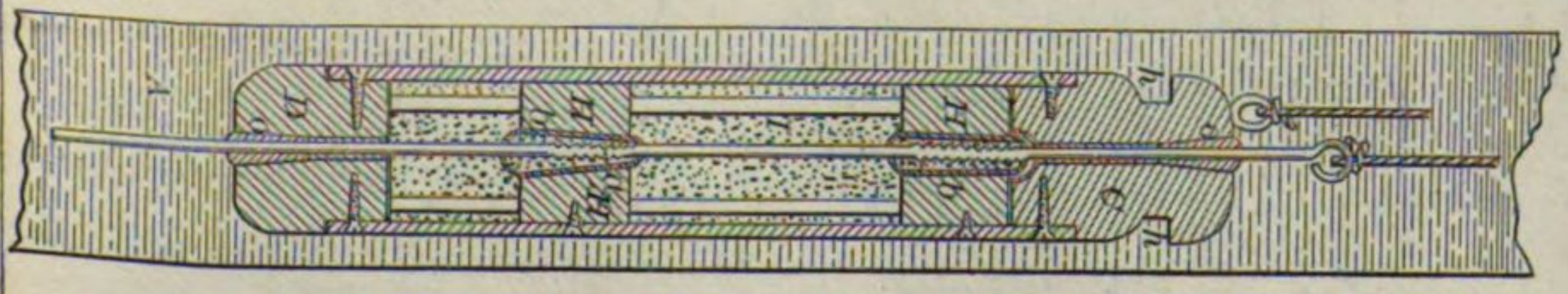
59922—O. E. Miles—*Bolster Plate for Wheeled Vehicles.*



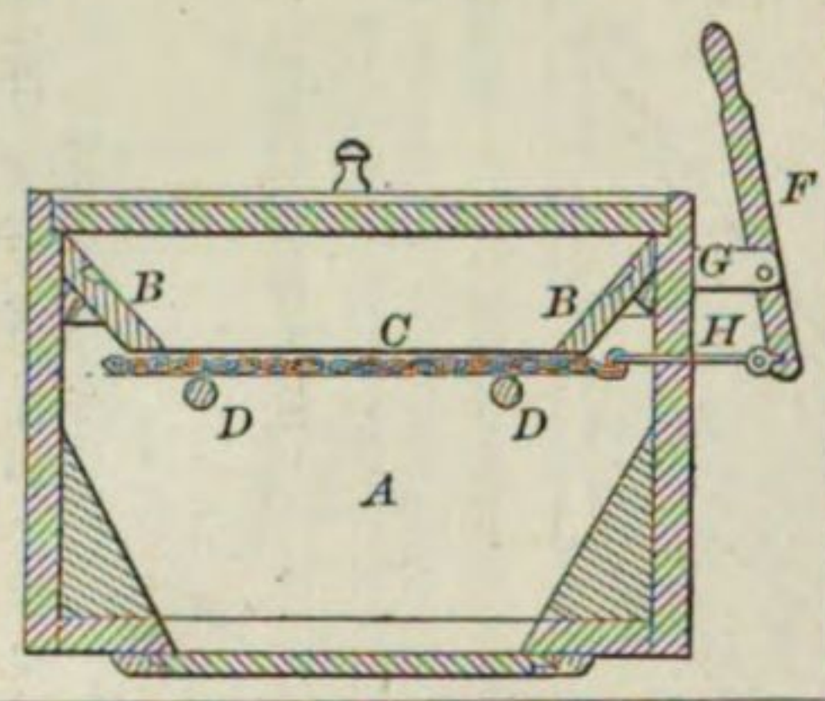
59926—I. Rice—*Comb.*



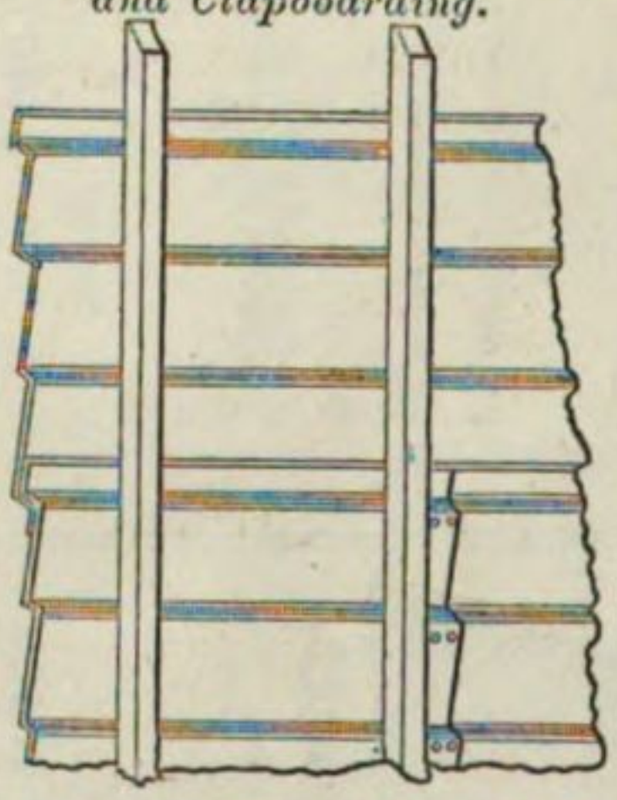
59924—J. S. Morris—*Torpedo.*



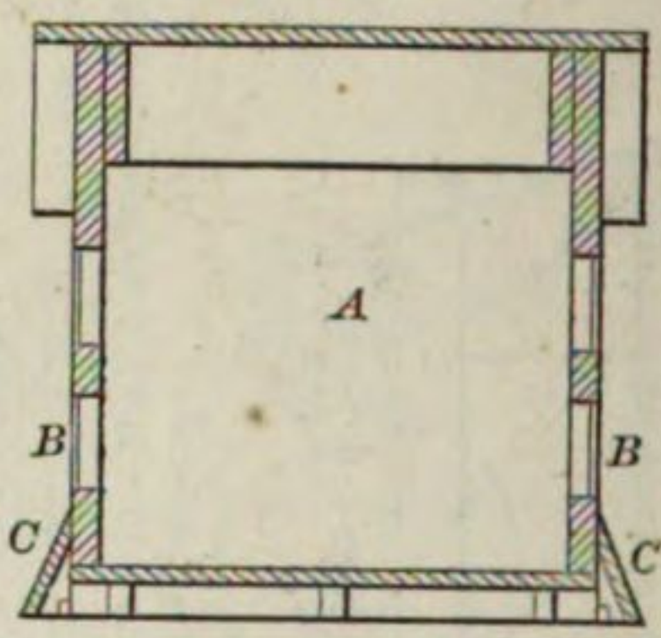
59927—N. L. Robertson—*Sifter.*



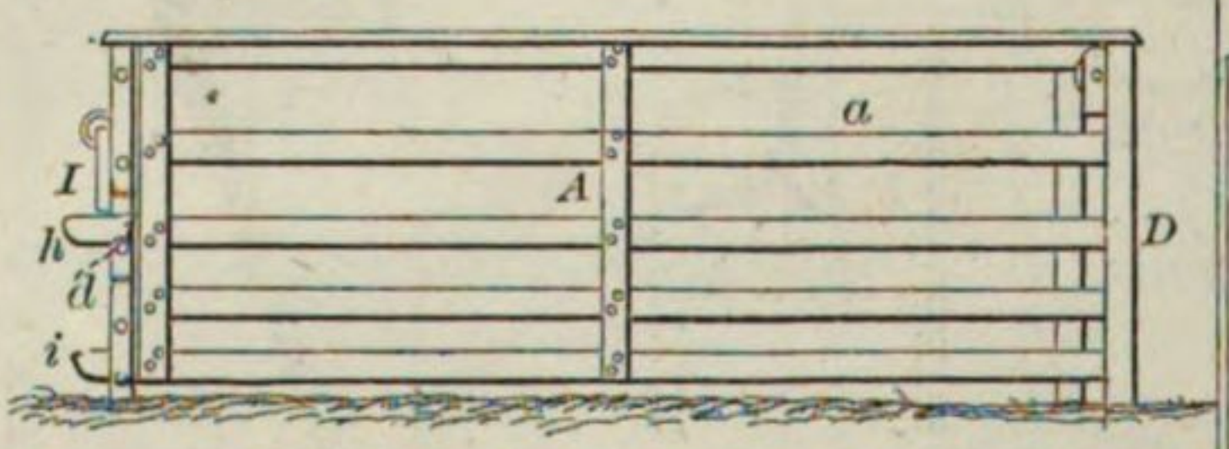
59928—S. J. Seely—*Roofing and Clapboarding.*



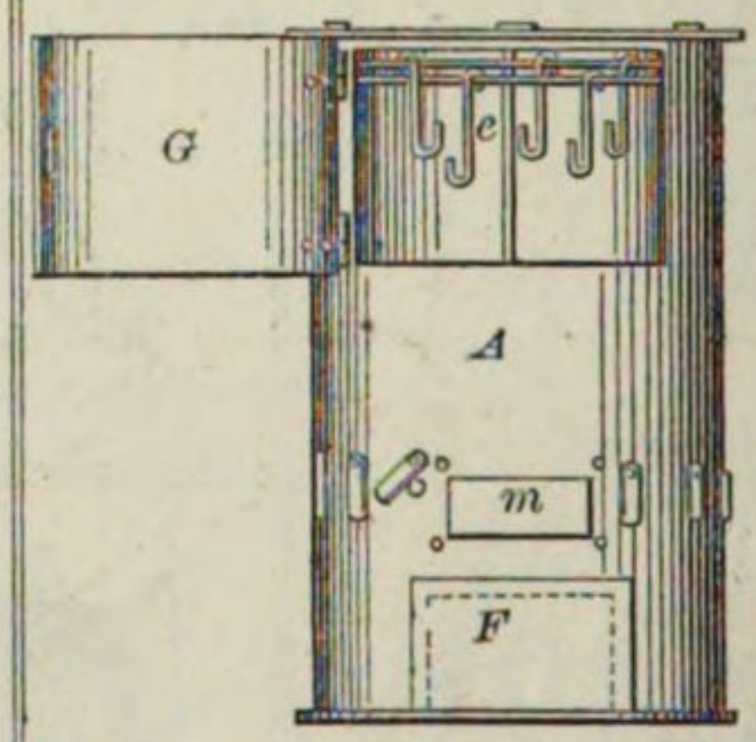
59929—H. Sidle—*Construction of Houses.*



59930—S. Spoor—*Gate.*

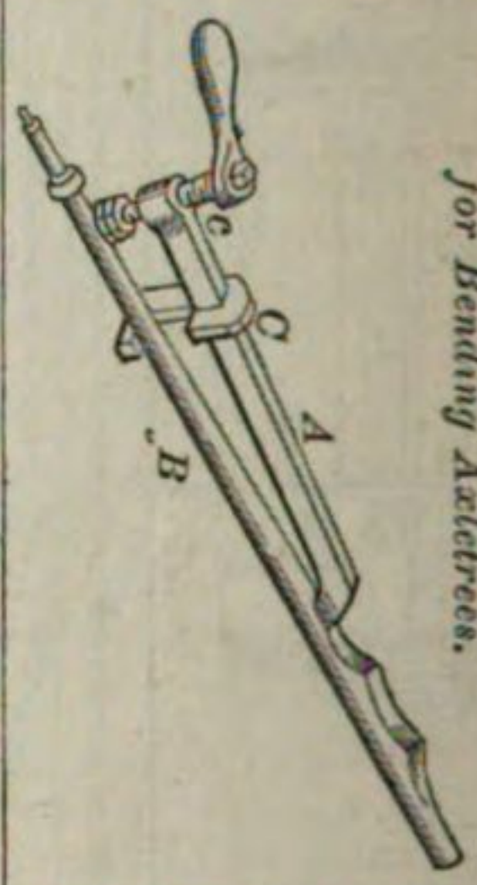


59931—L. S. Stevens—*Metallic Smoke House.*

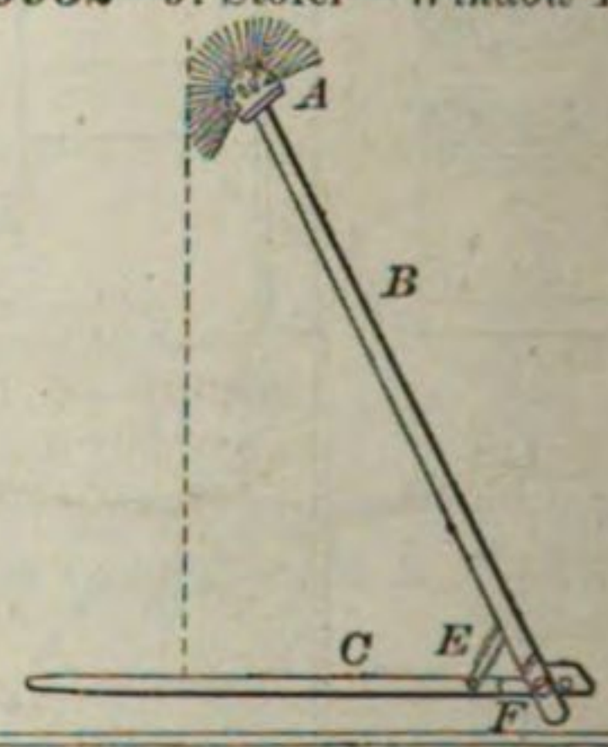


59933—D. Walker—*Bolting Pad.*

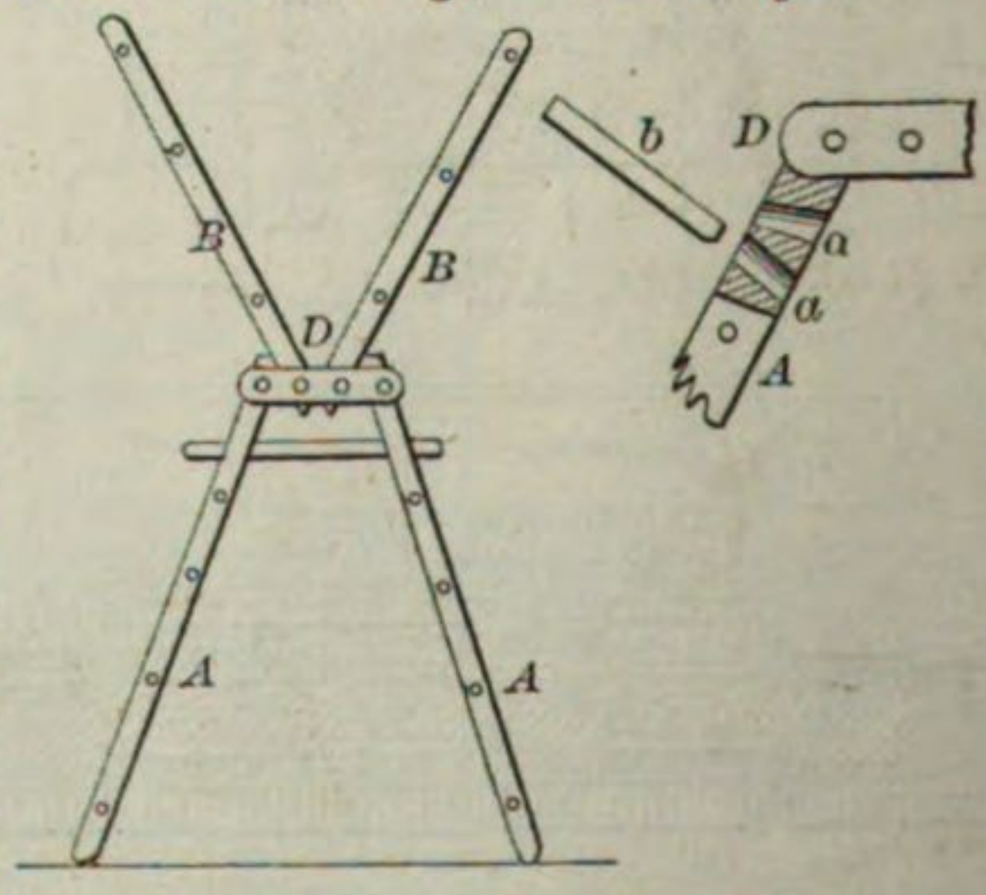
59934—L. Wilkinson—*Screw Clamp for Bending Axletrees.*



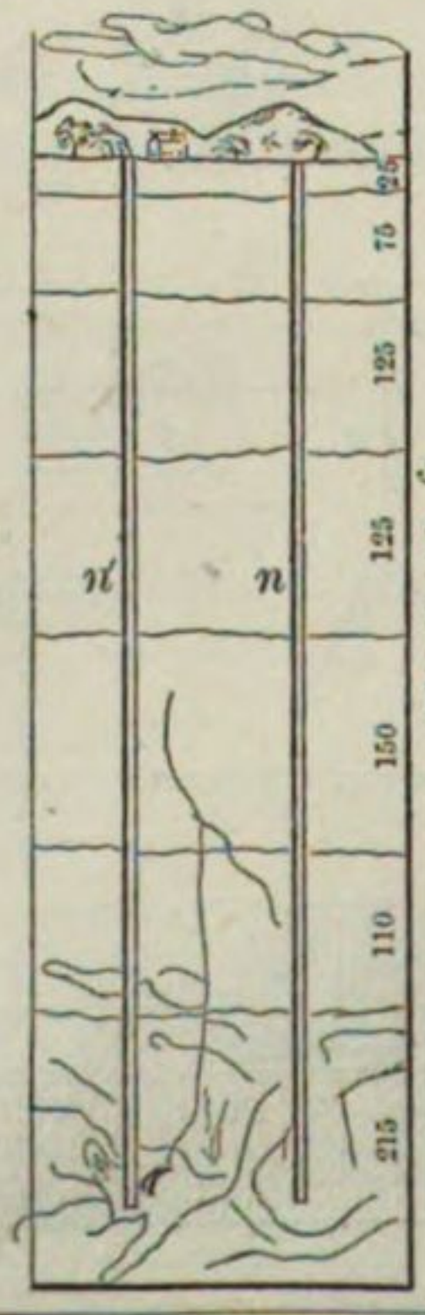
59932—J. Stofer—*Window Brush.*



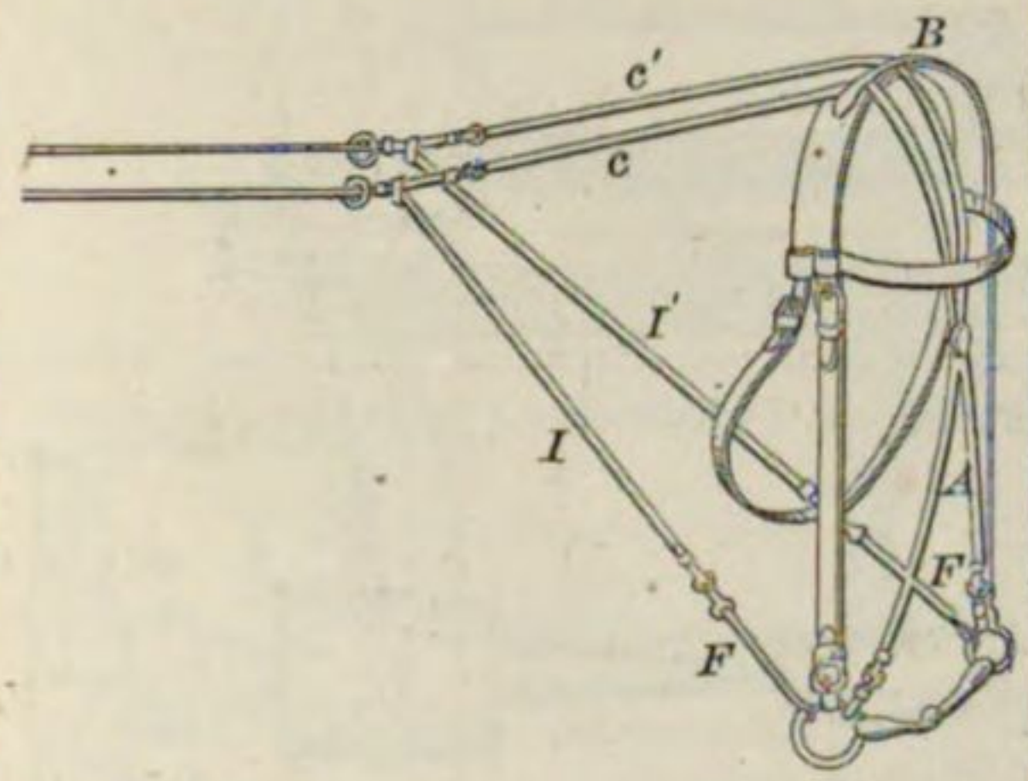
59935—L. C. Wright—*Clothes Dryer.*



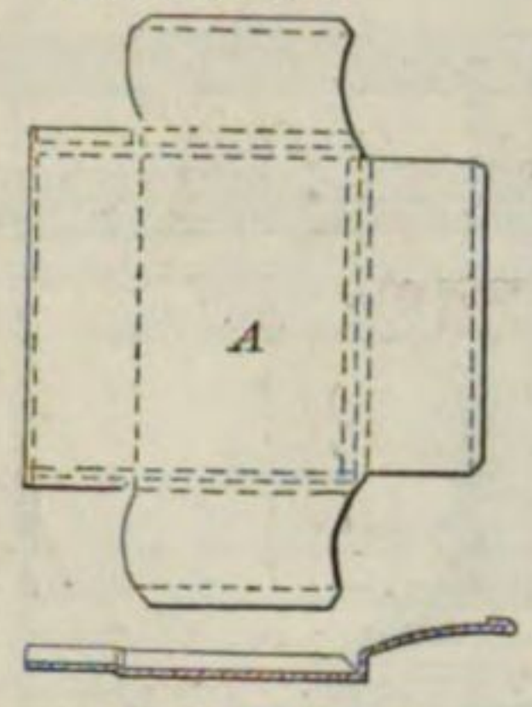
59936—E. A. L. Roberts—*For Increasing the Capacity of Oil Wells.*



59937—Albright & Burns—*Bridle.*

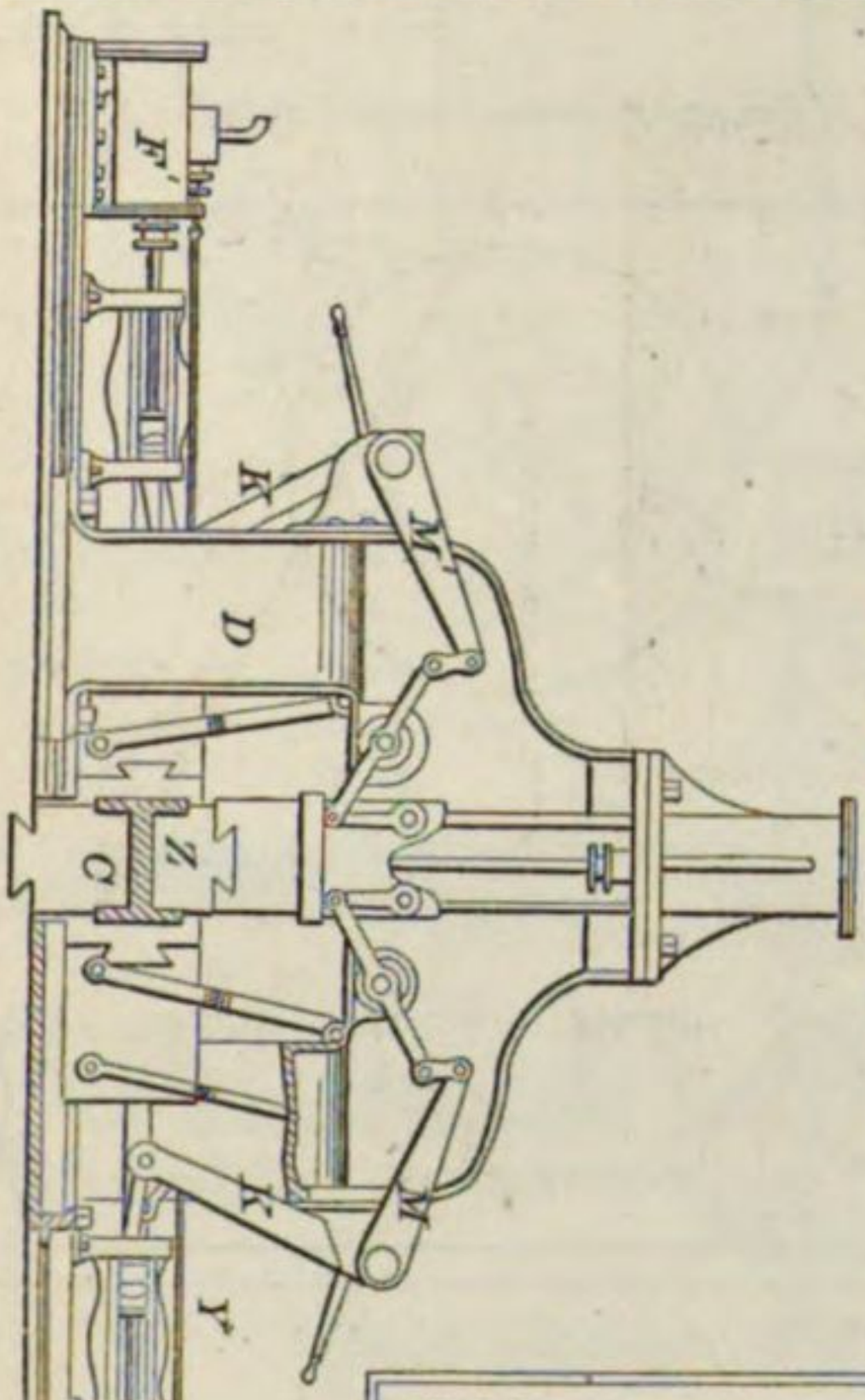


59942—A. Barnes—*Manufacture of Sheet Metal Boxes.*

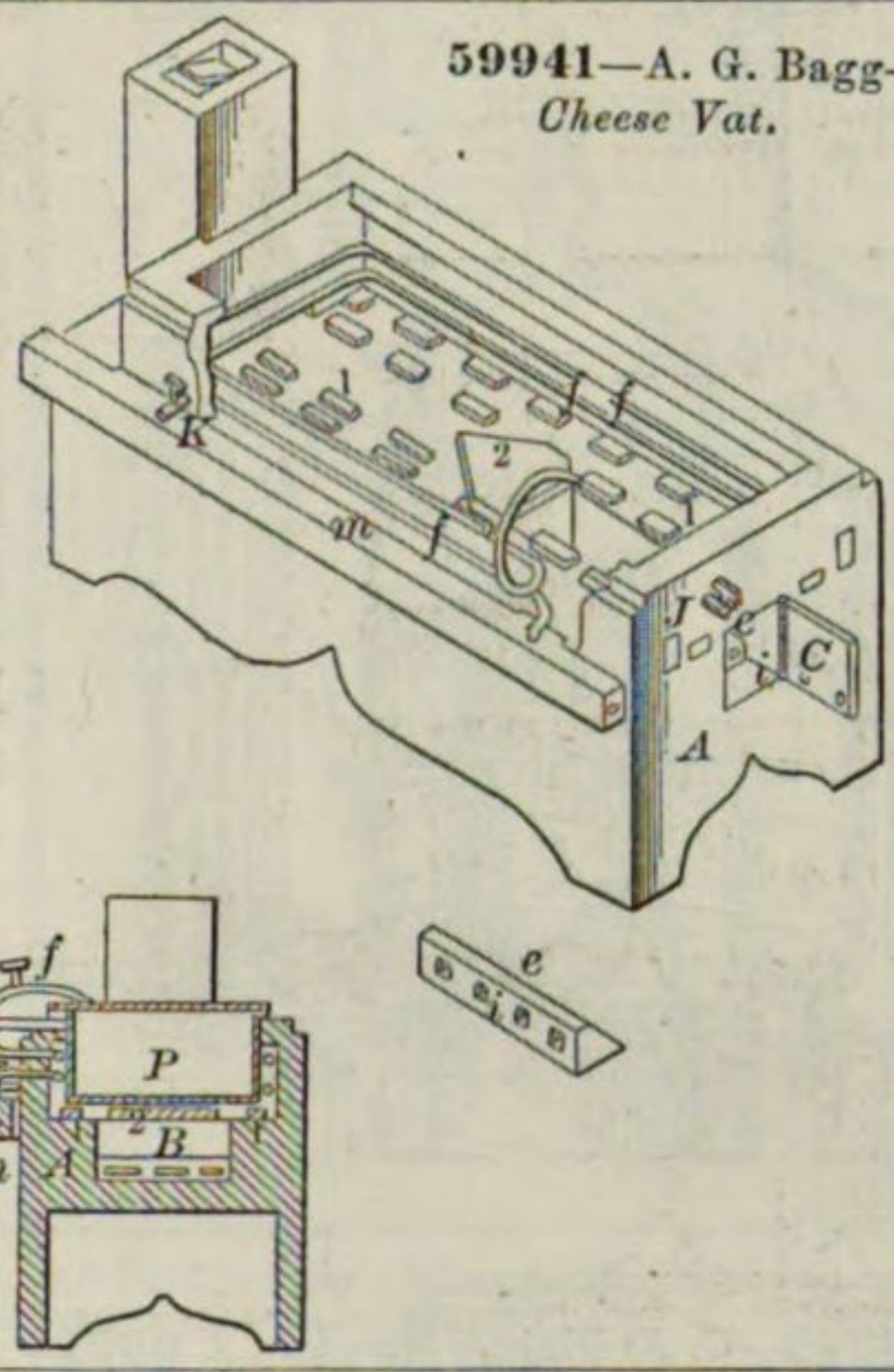


59943—W. Barnes—*For Tempering Clock Springs.*

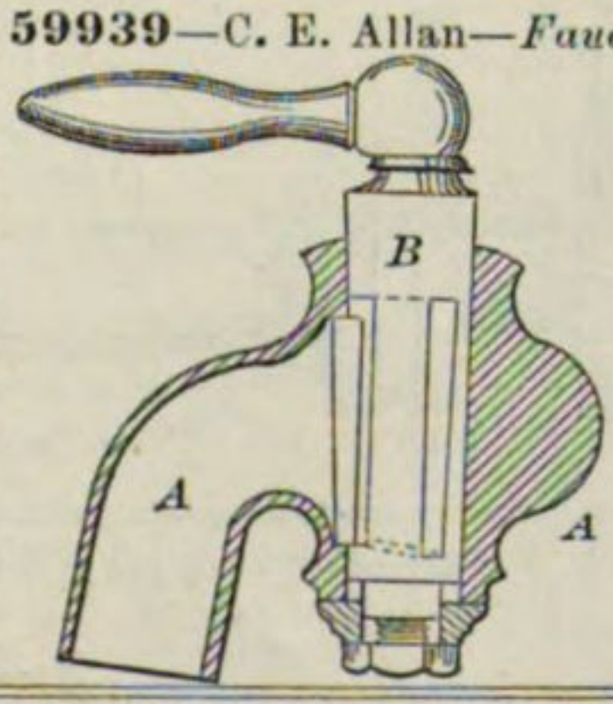
59940—J. G. Newton—*Forging Apparatus.*



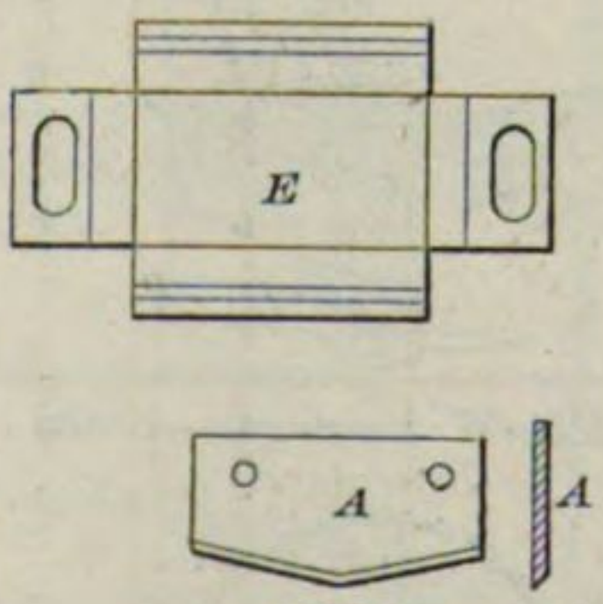
59941—A. G. Bagg—*Cheese Vat.*



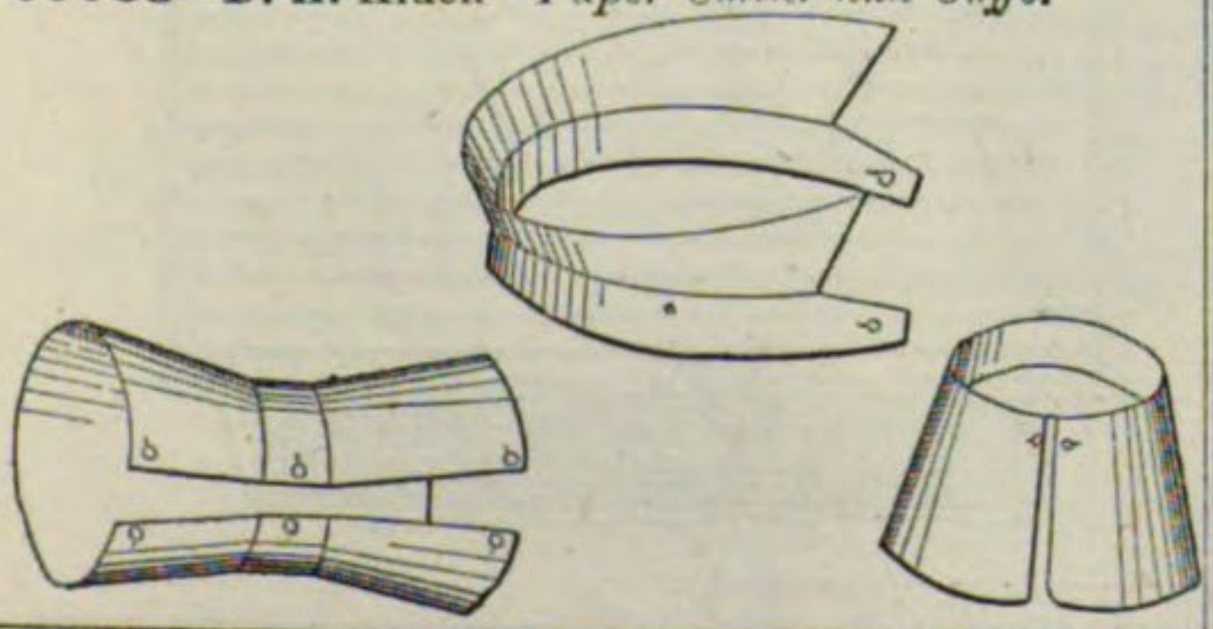
59939—C. E. Allan—*Faucet.*

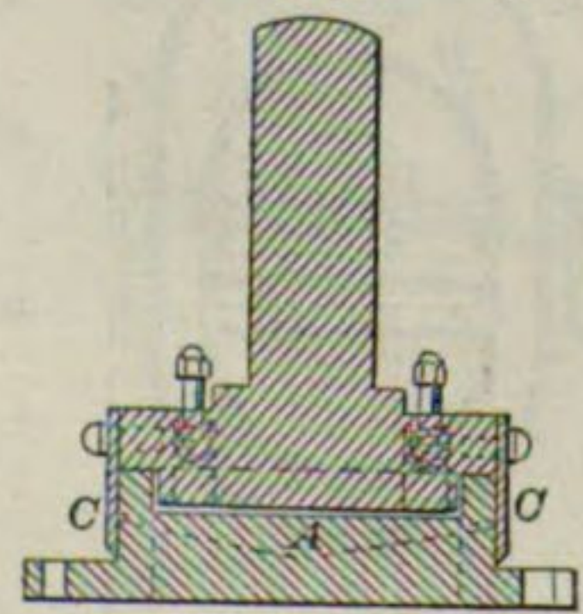


59944—R. T. Barton—*For Making Paper Boxes.*

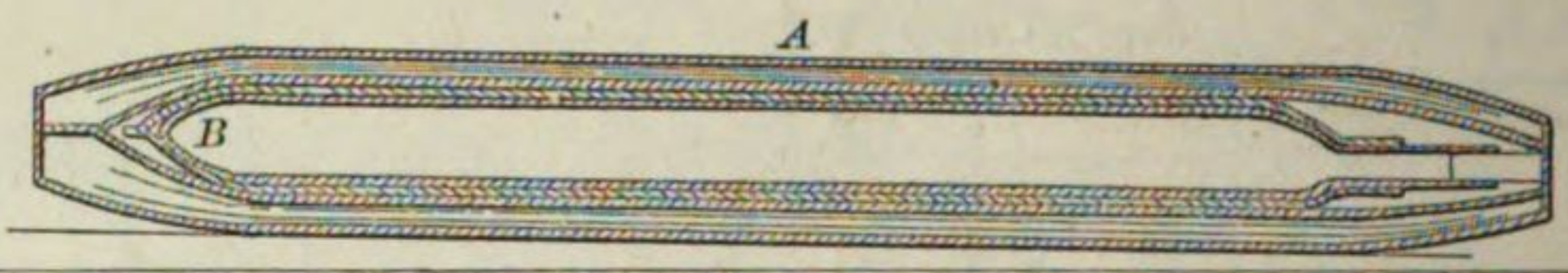


59938—D. A. Alden—*Paper Collar and Cuffs.*

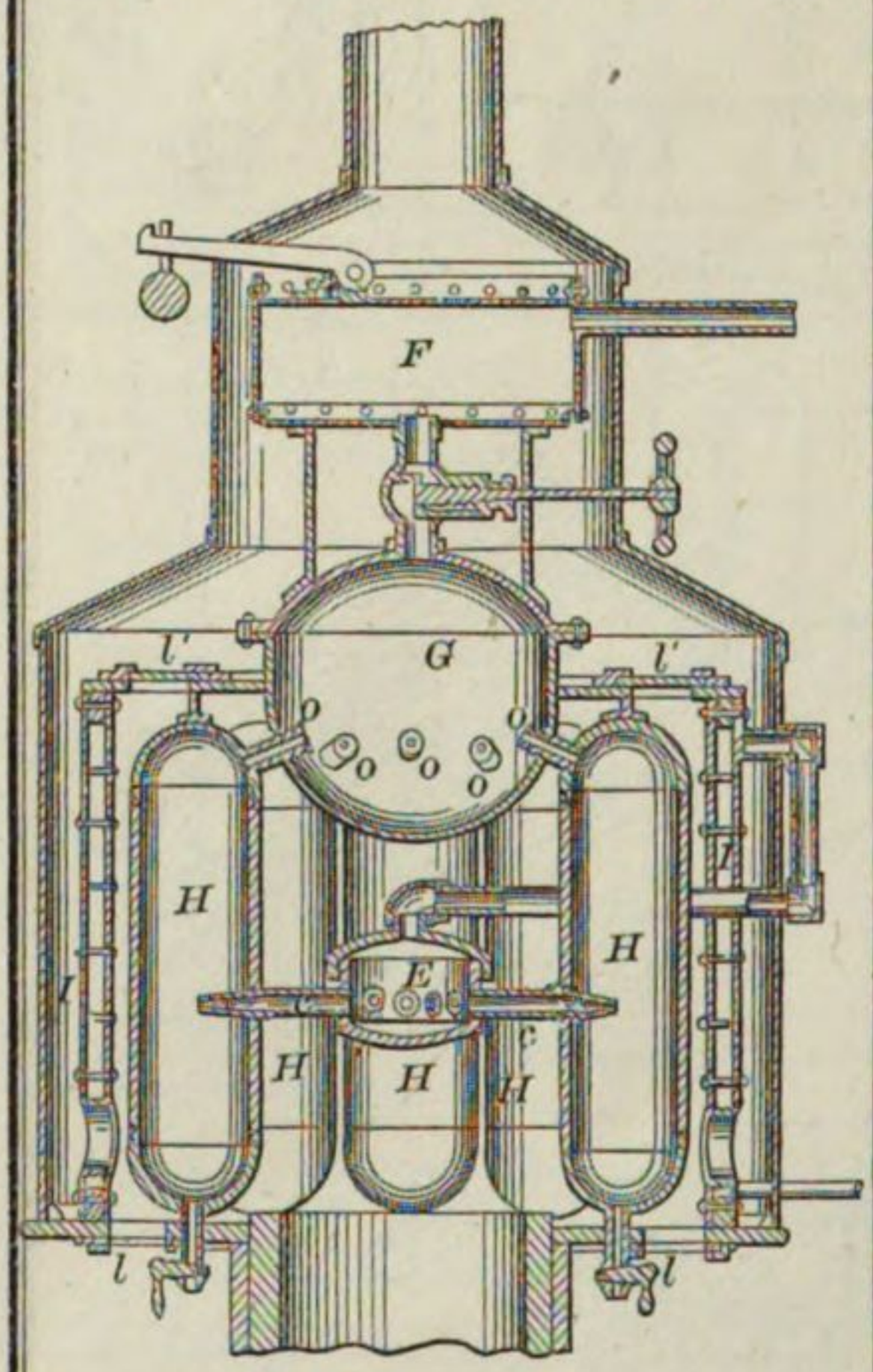




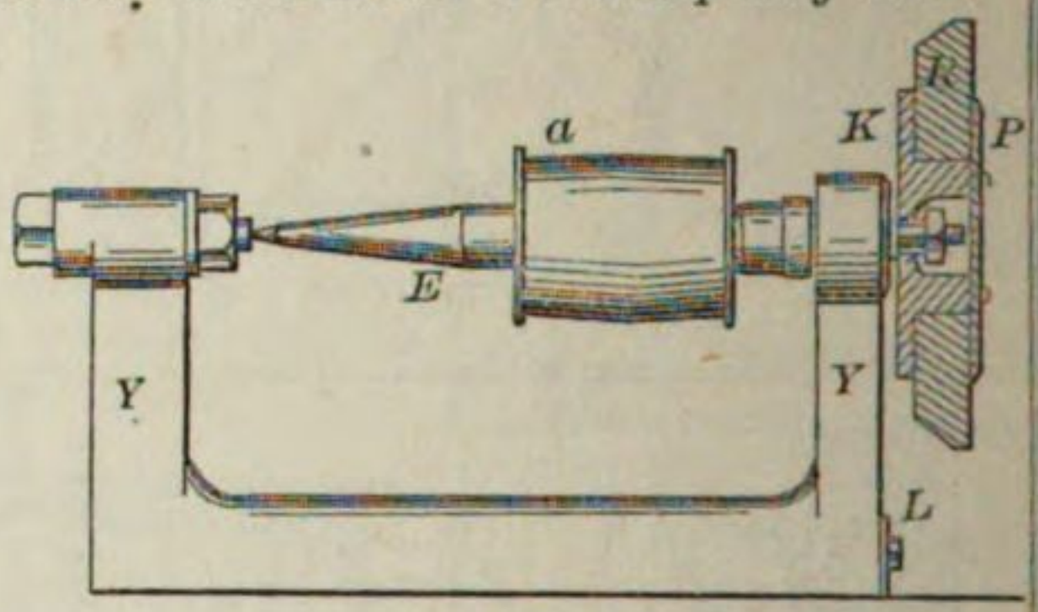
59945—L. Bauhoefer—*Cushion or Mattress.*

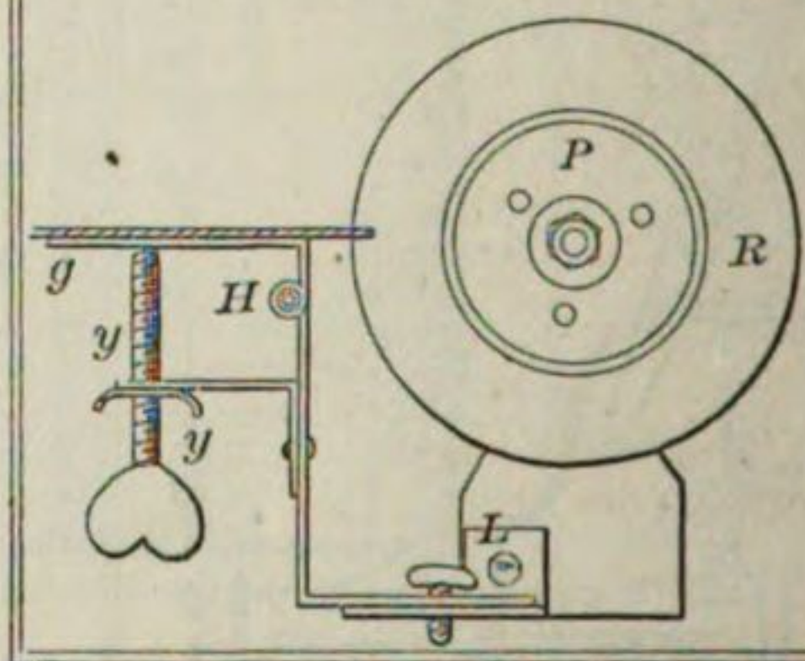


59947—F. Baumann—*Steam Generator.*

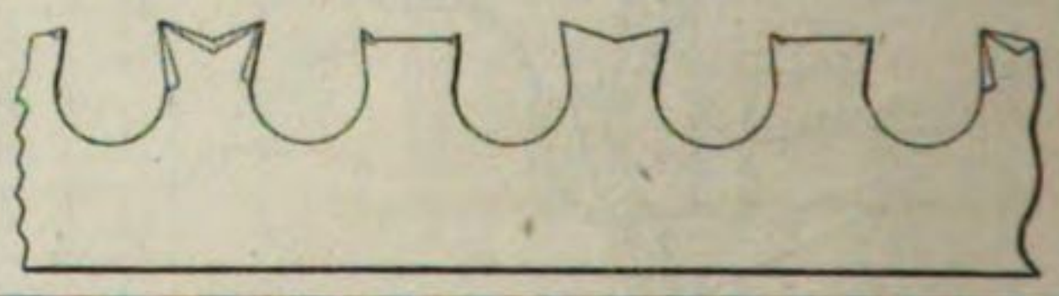


59950—J. Borthwick—*For Sharpening Saws.*

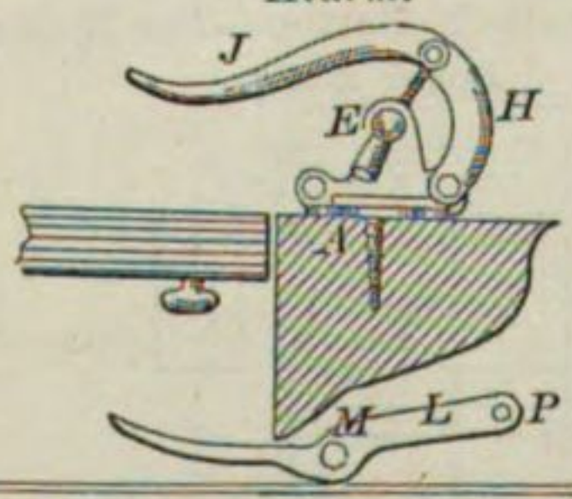




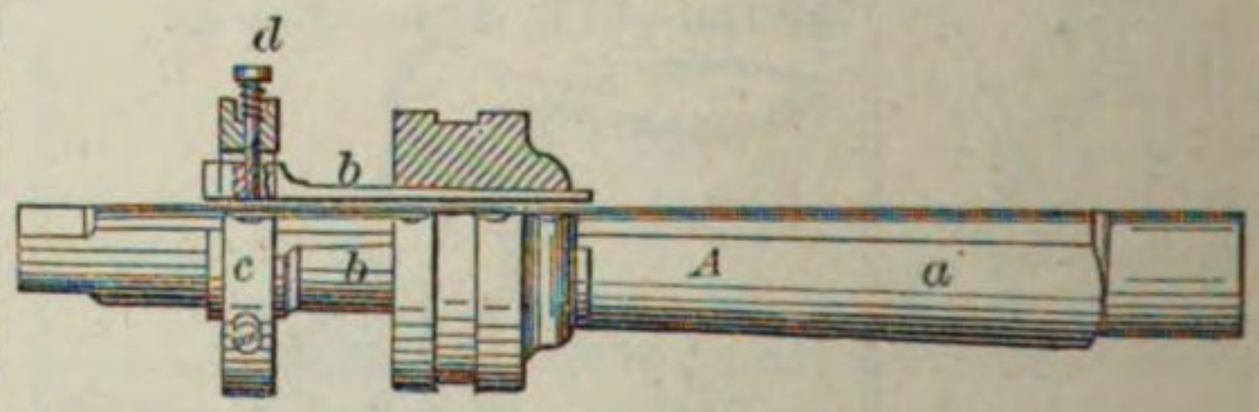
59951—A. Boynton—*Saw.*



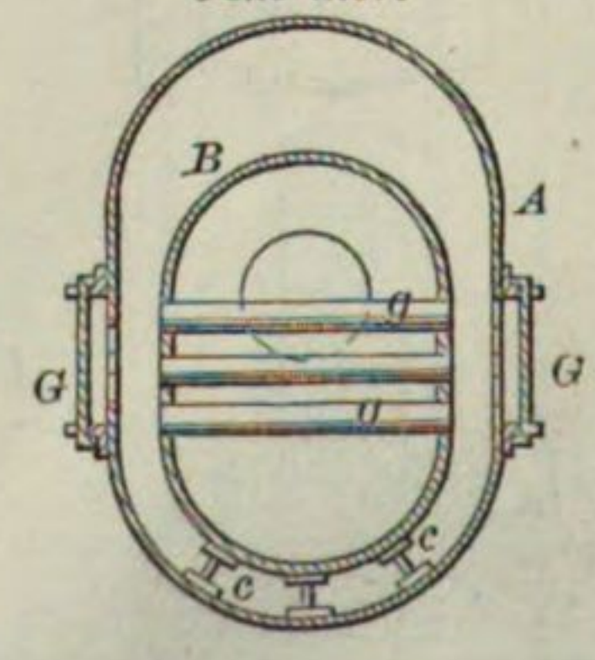
59949—C. A. Blake—*Burglar Alarm.*



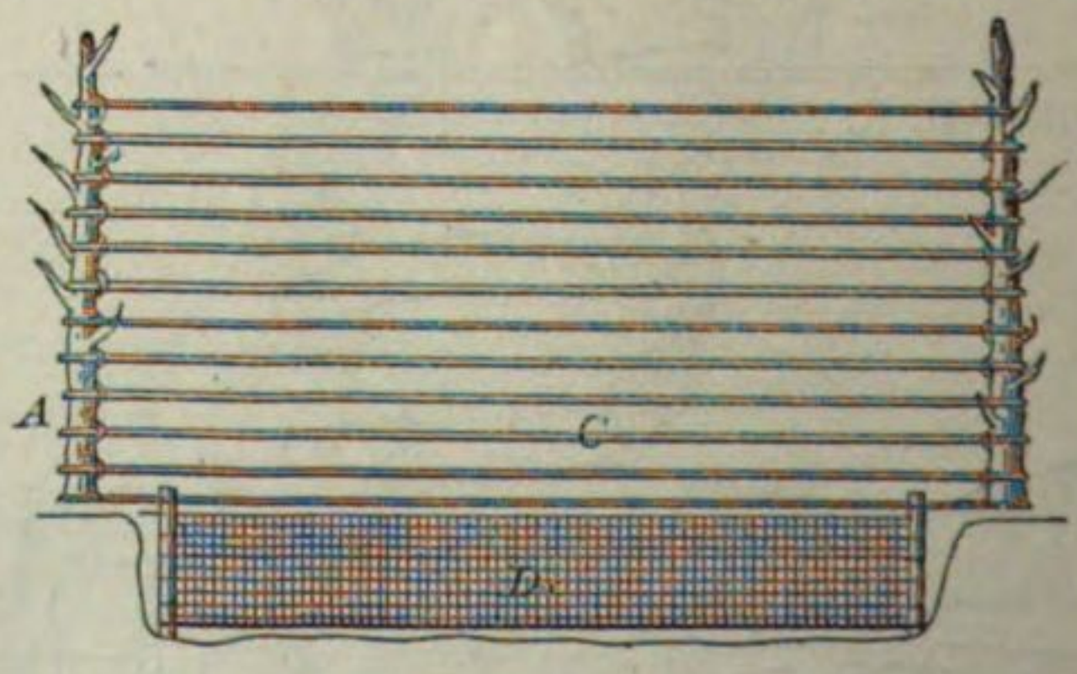
59948—I. Beetison—*Expanding Mandrel.*



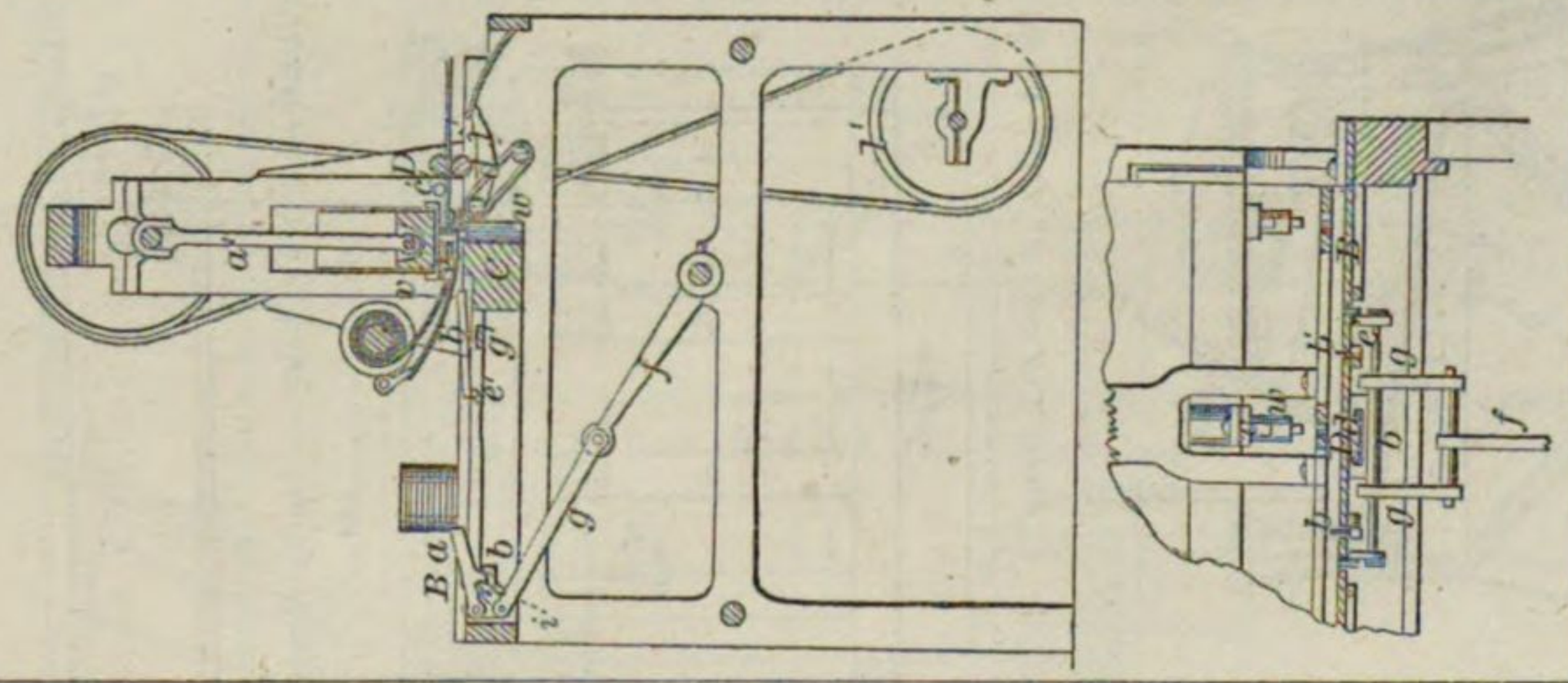
59952—W. Branagan—*Steam Generator.*



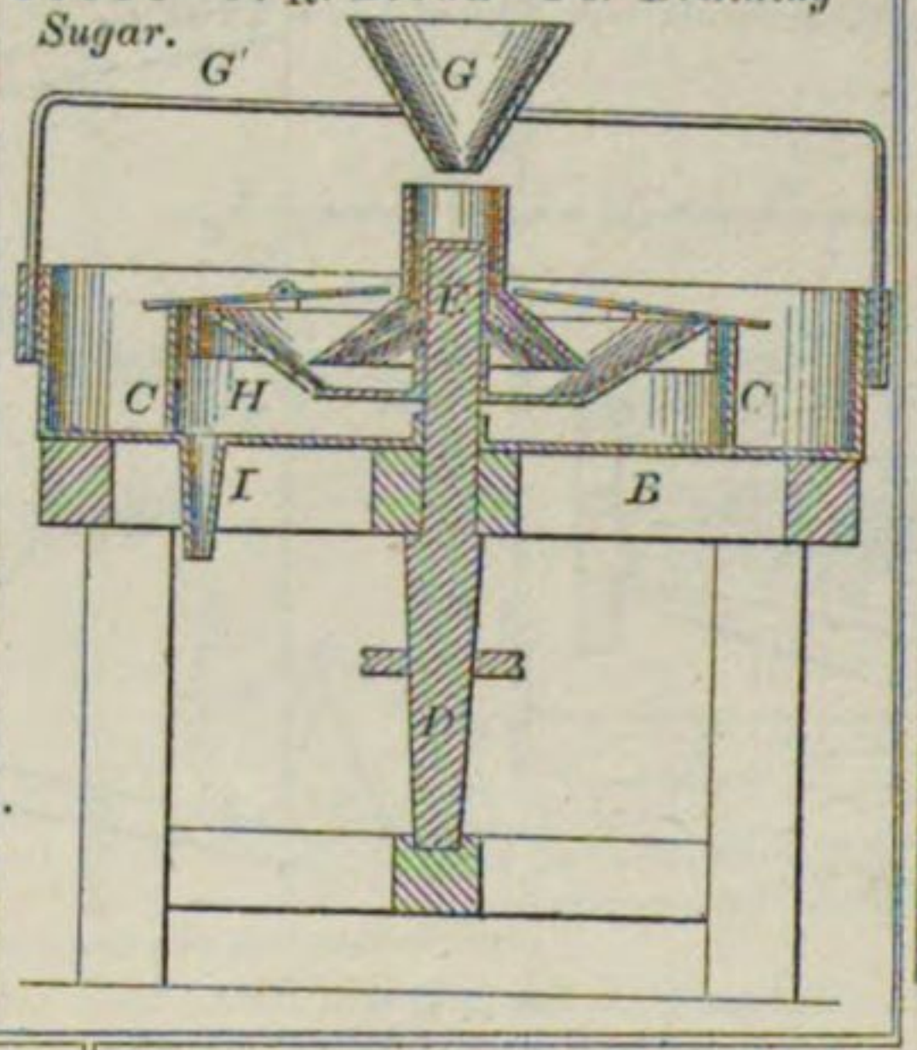
59953—A. Brear—*For Trapping Wild Fowl.*

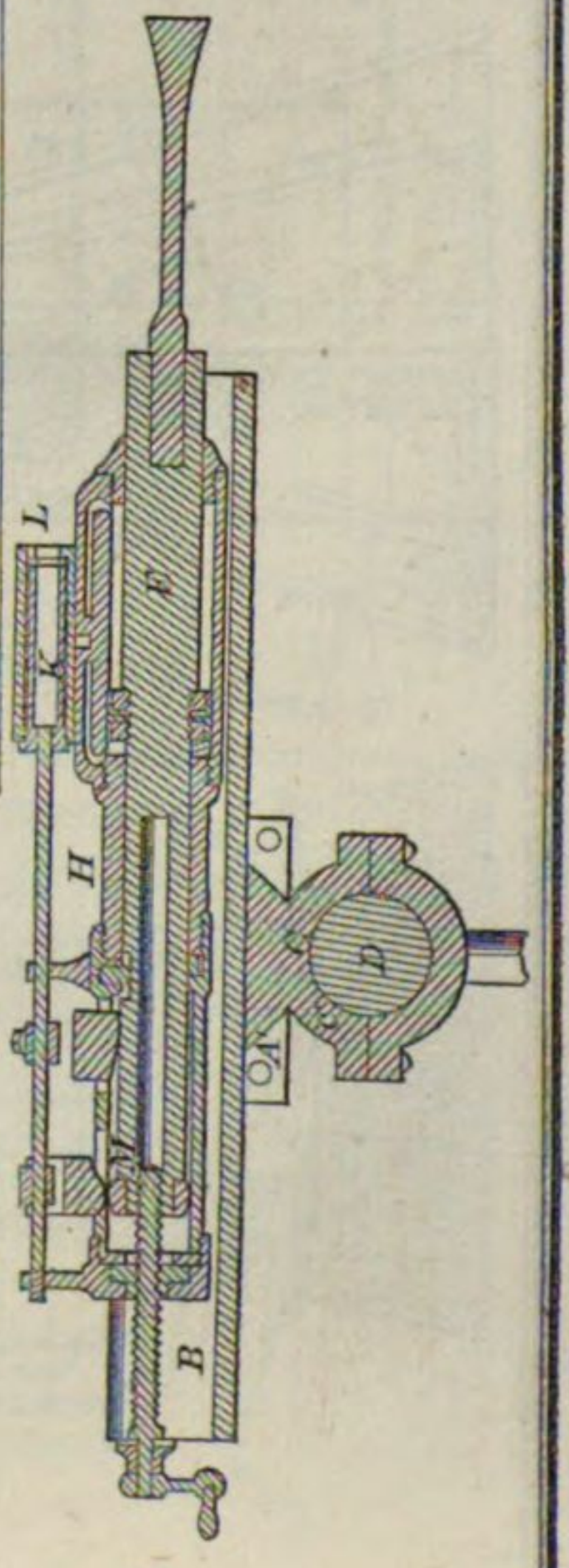


59957—J. T. Bruen—*For Cutting and Reenforcing Button Holes.*

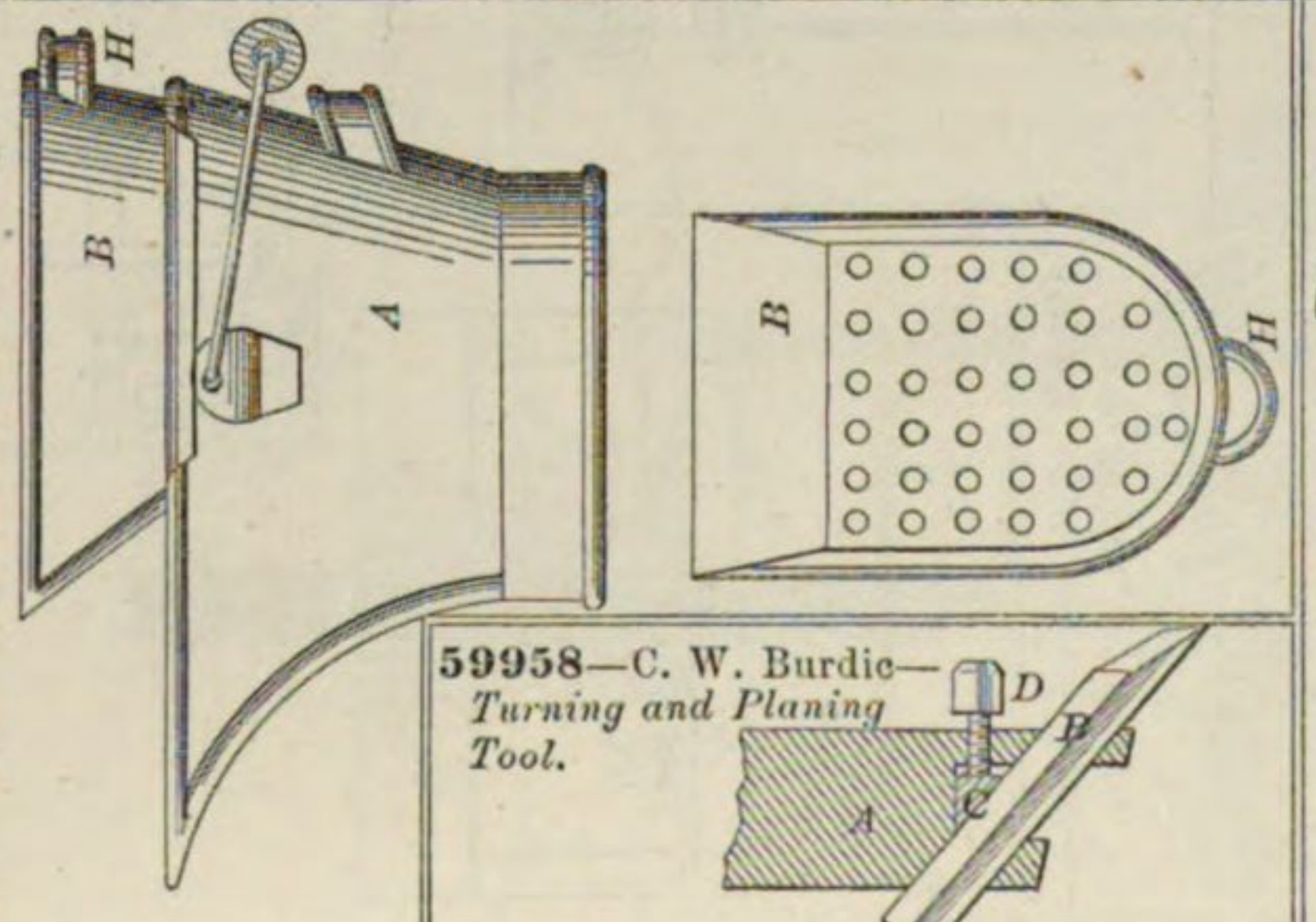


59956—J. R. Brown—*For Draining Sugar.*

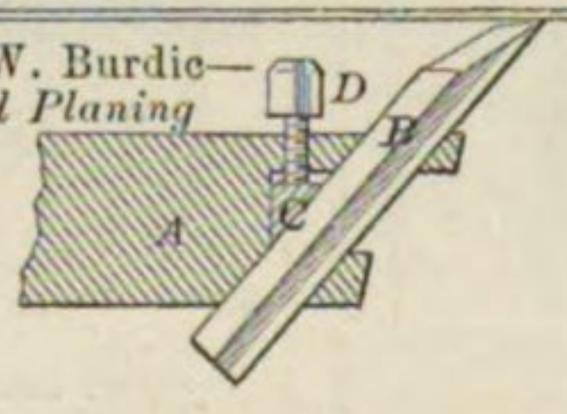




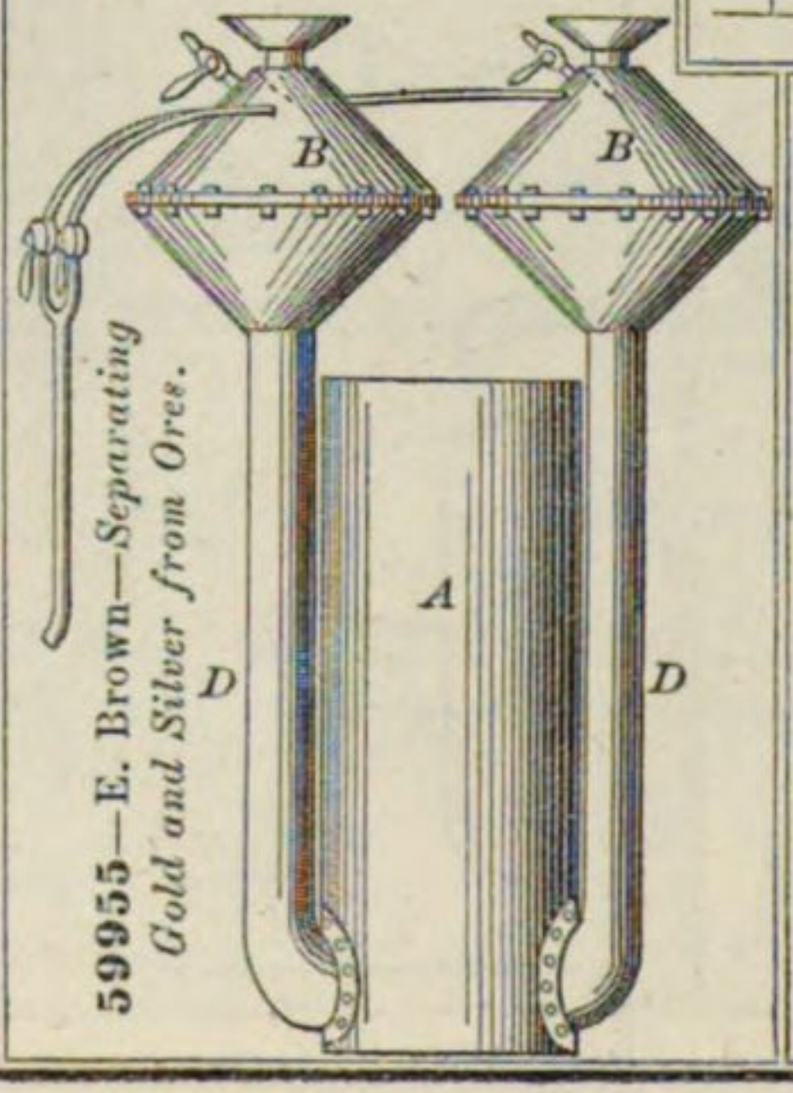
59954—B. F. Brown—*Coal Hod and Sifter.*



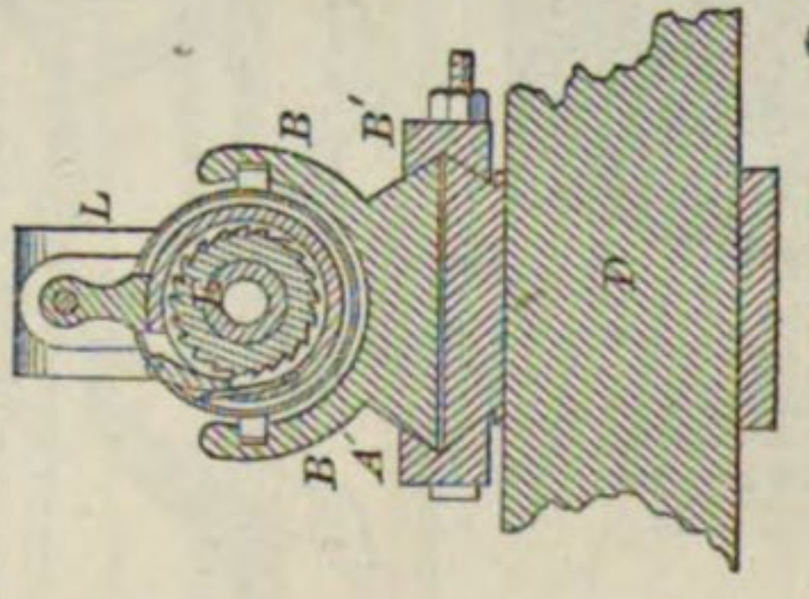
59958—C. W. Burdic—*Turning and Planing Tool.*



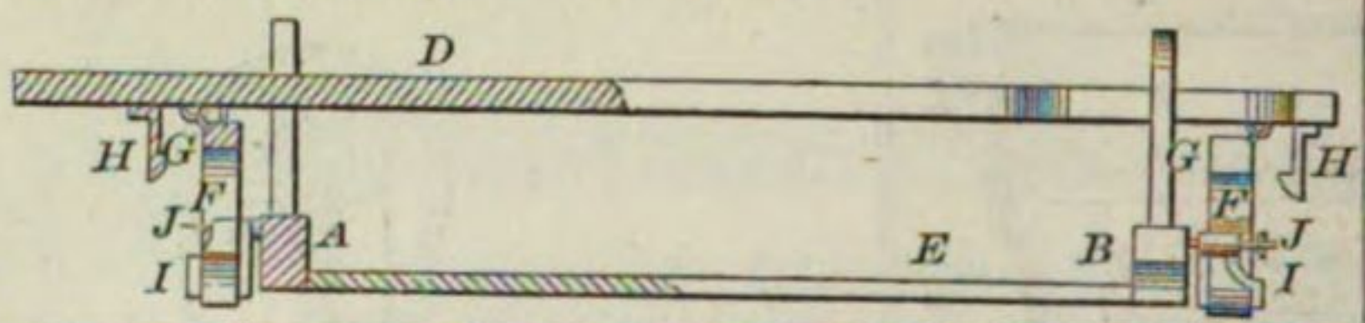
59955—E. Brown—*Separating Gold and Silver from Ores.*



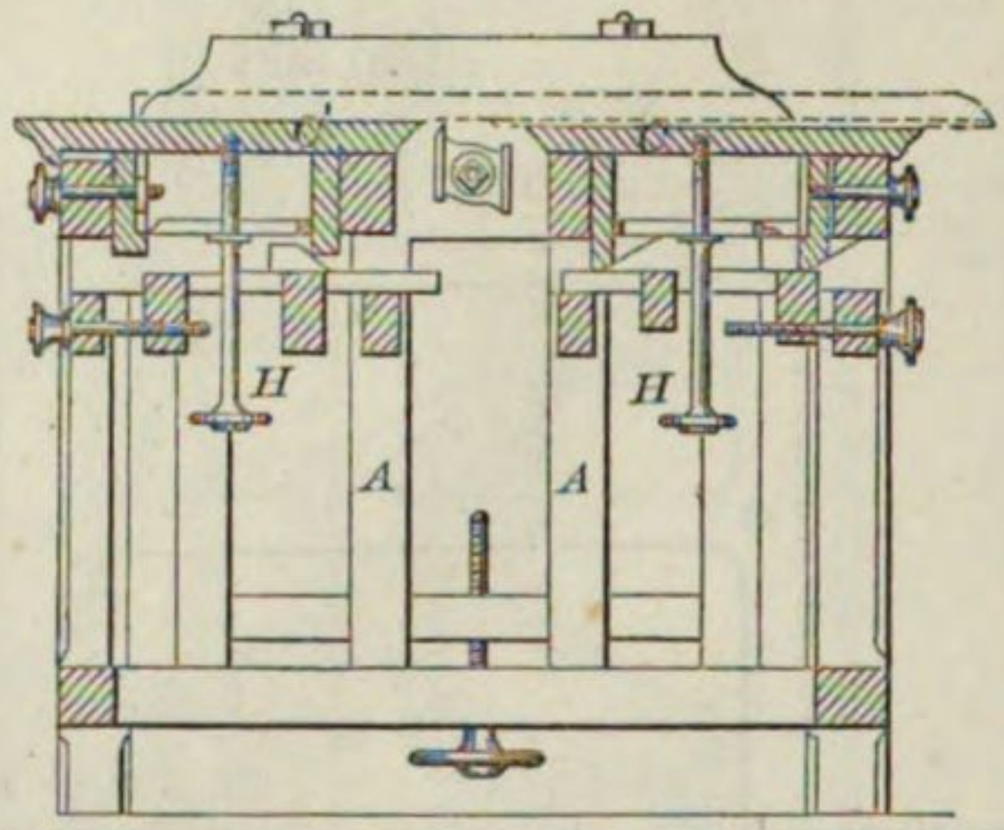
59960—C. Burleigh—*Rock Drilling Machine.*



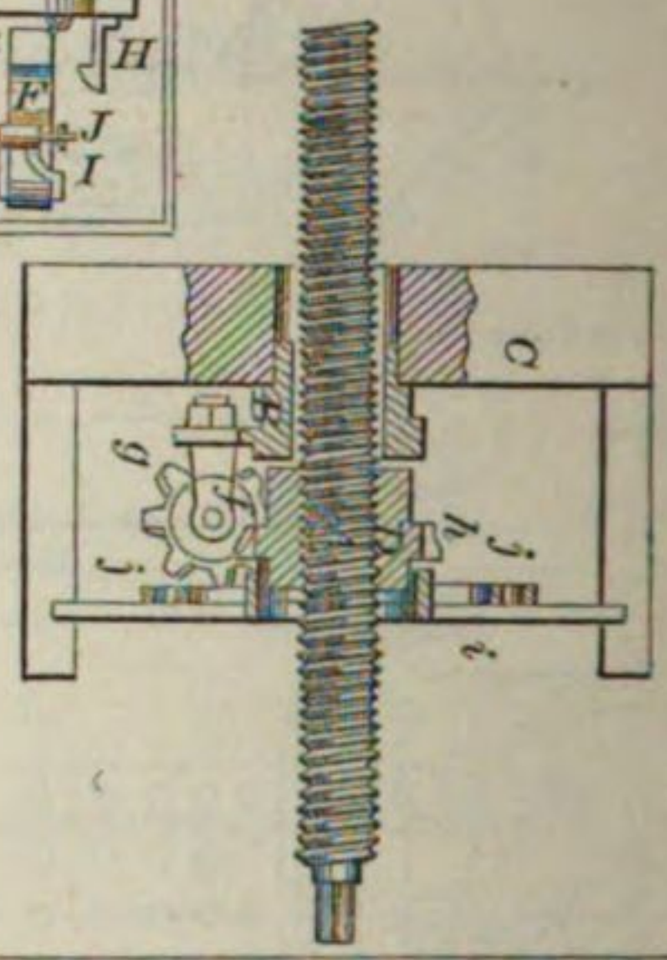
59961—J. N. Byington—*Spring Wagon.*



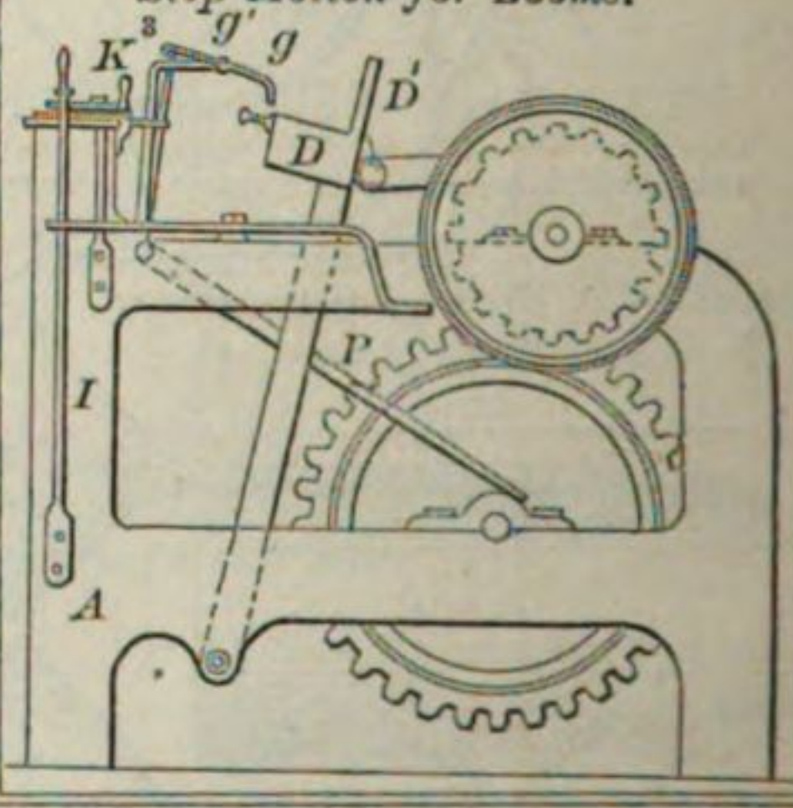
59966—Climer & Riley—*Planing Machine.*



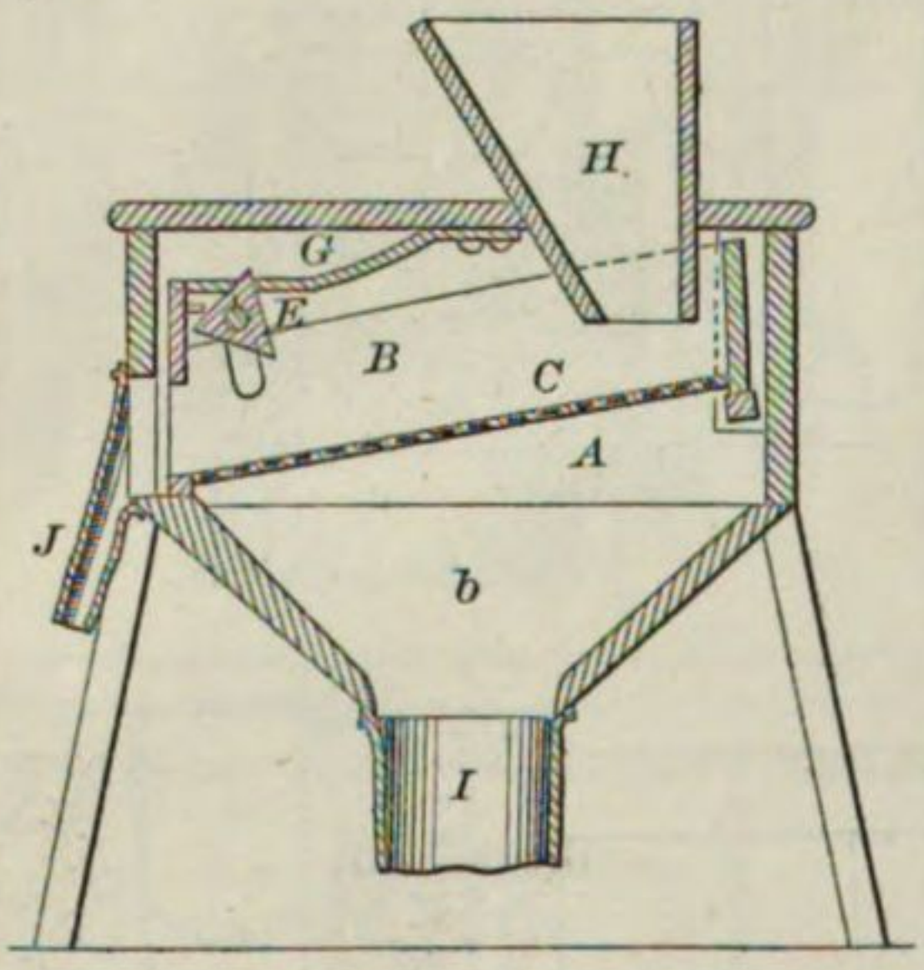
59963—G. F Case—*Feed Motion for Drills.*



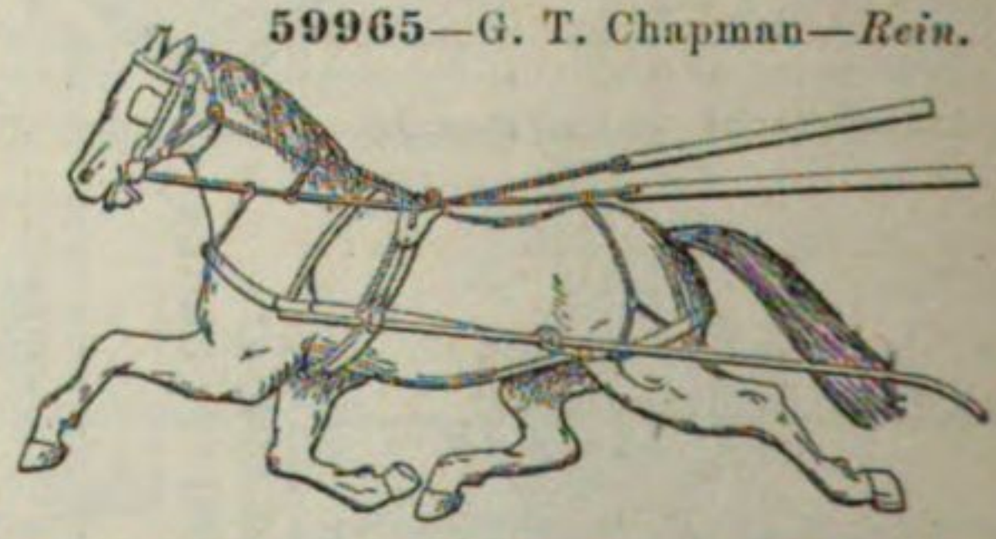
59962—Carmichel & Barney—*Stop Motion for Looms.*



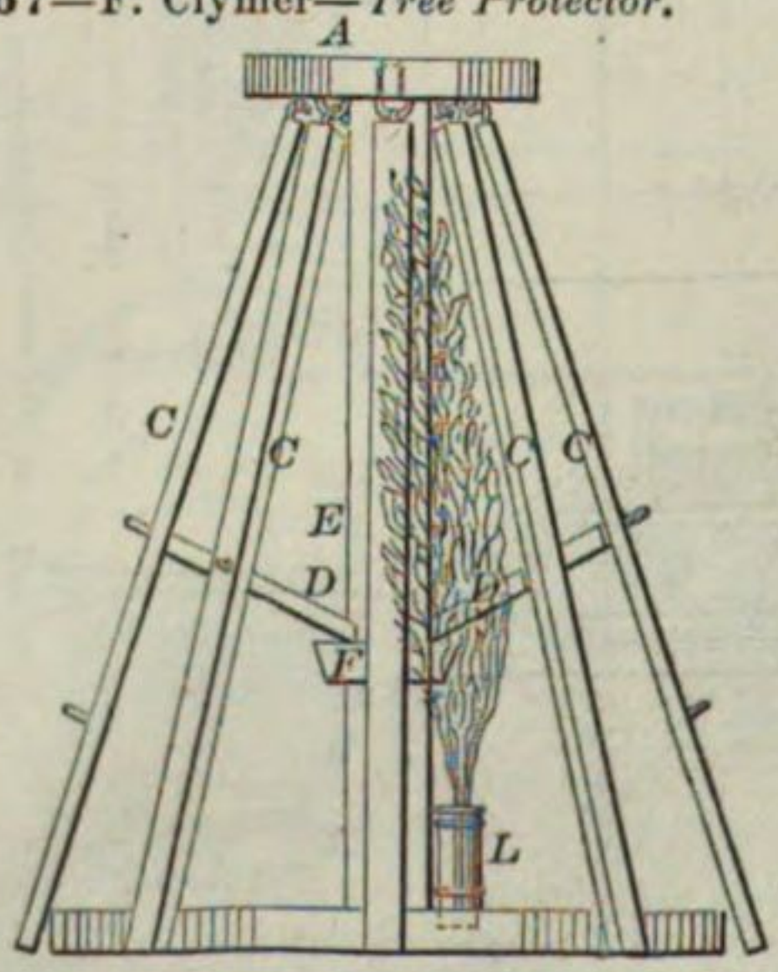
59964—P. Ceredo—*Ash Sifter.*

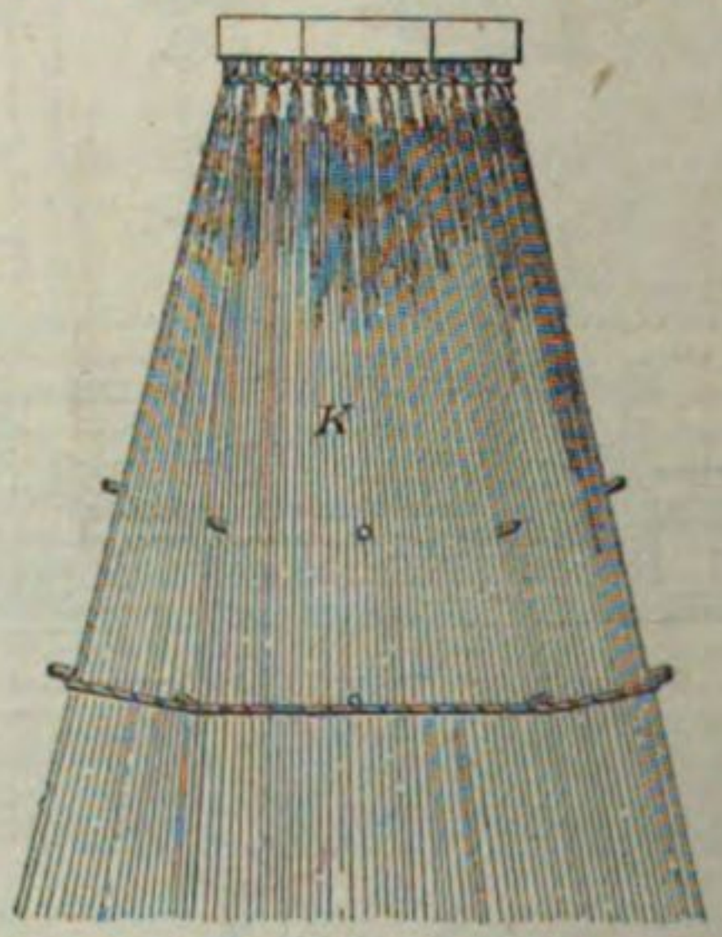


59965—G. T. Chapman—*Rein.*

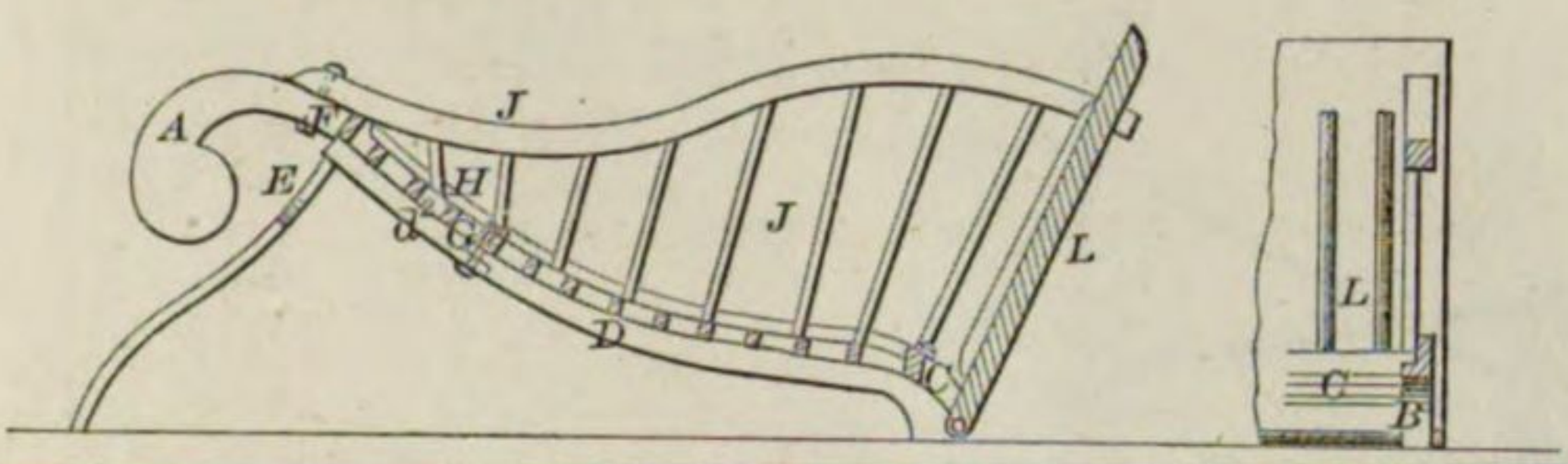


59967—F. Clymer—*Tree Protector.*

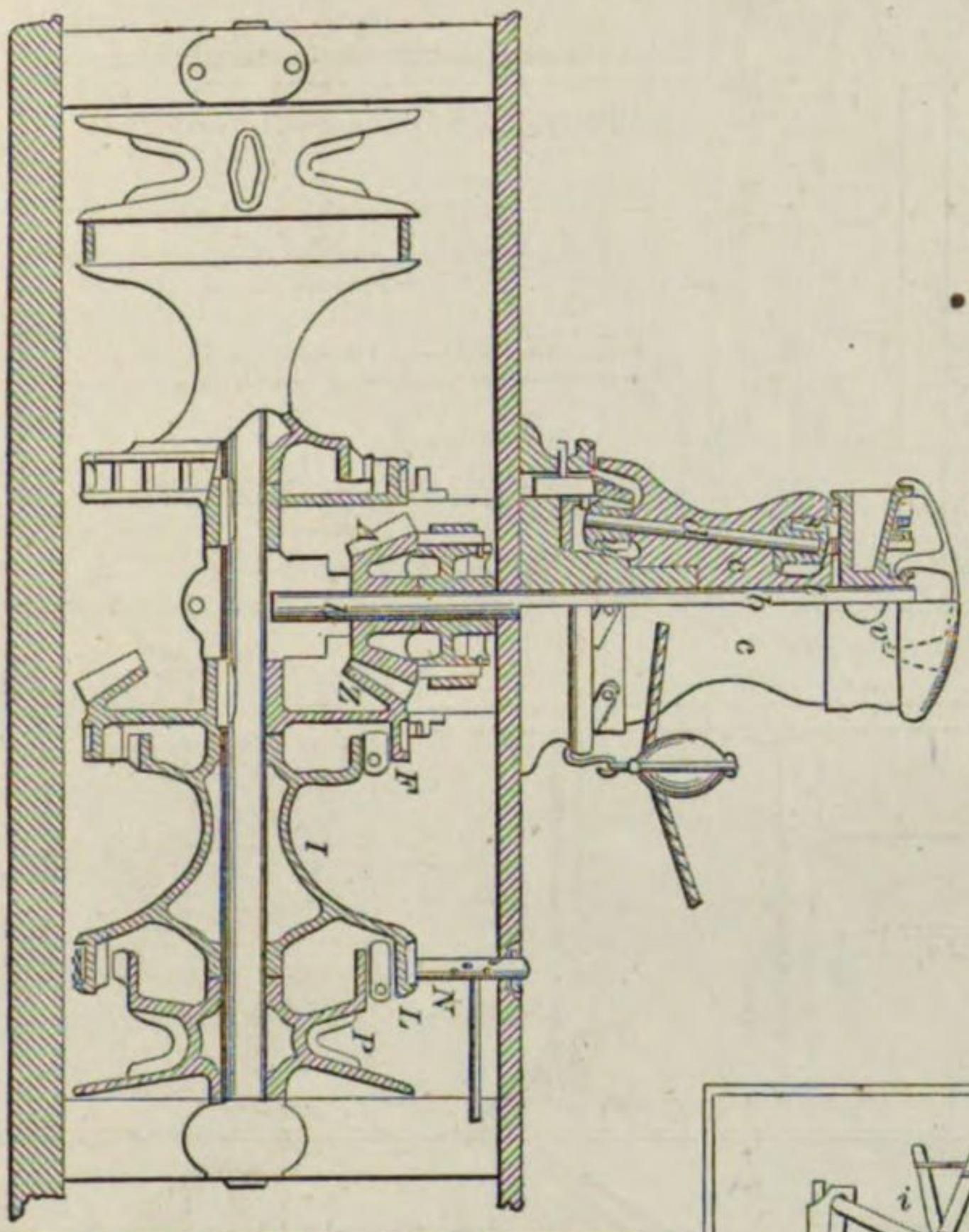




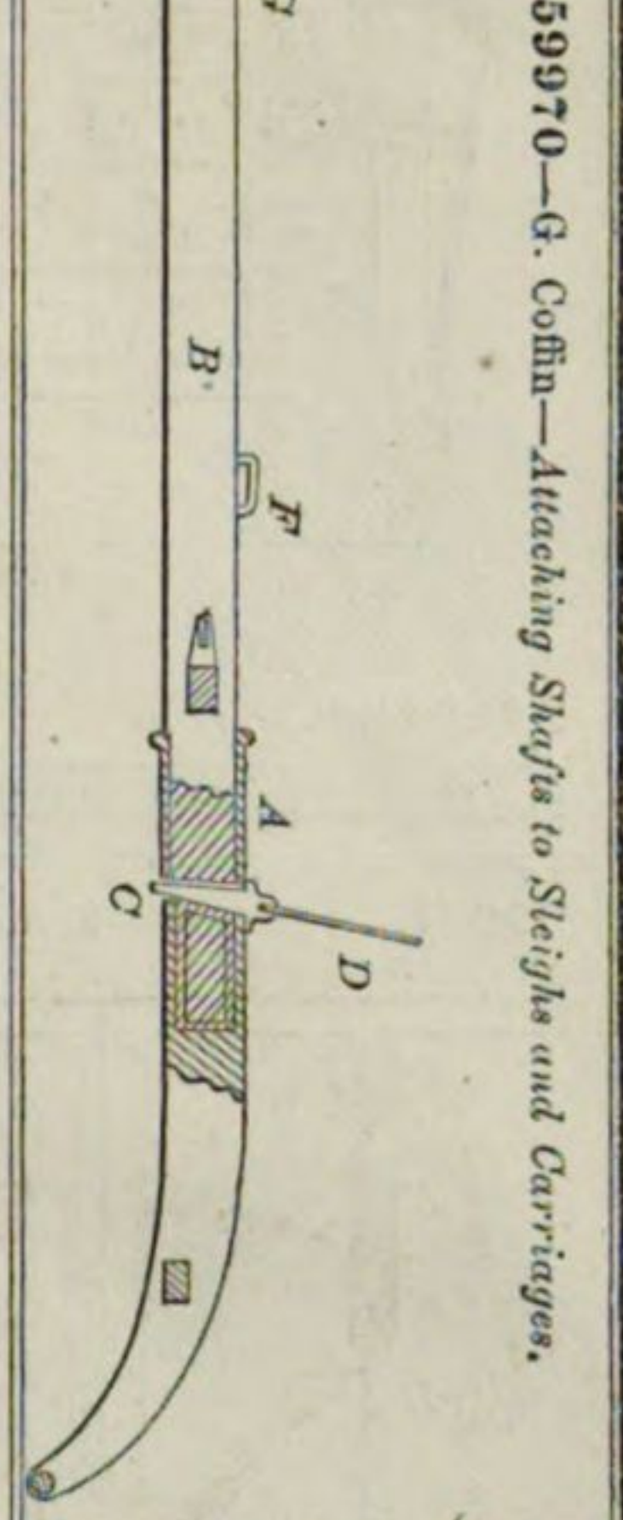
59968—J. H. Coate—*Grate and Andiron.*



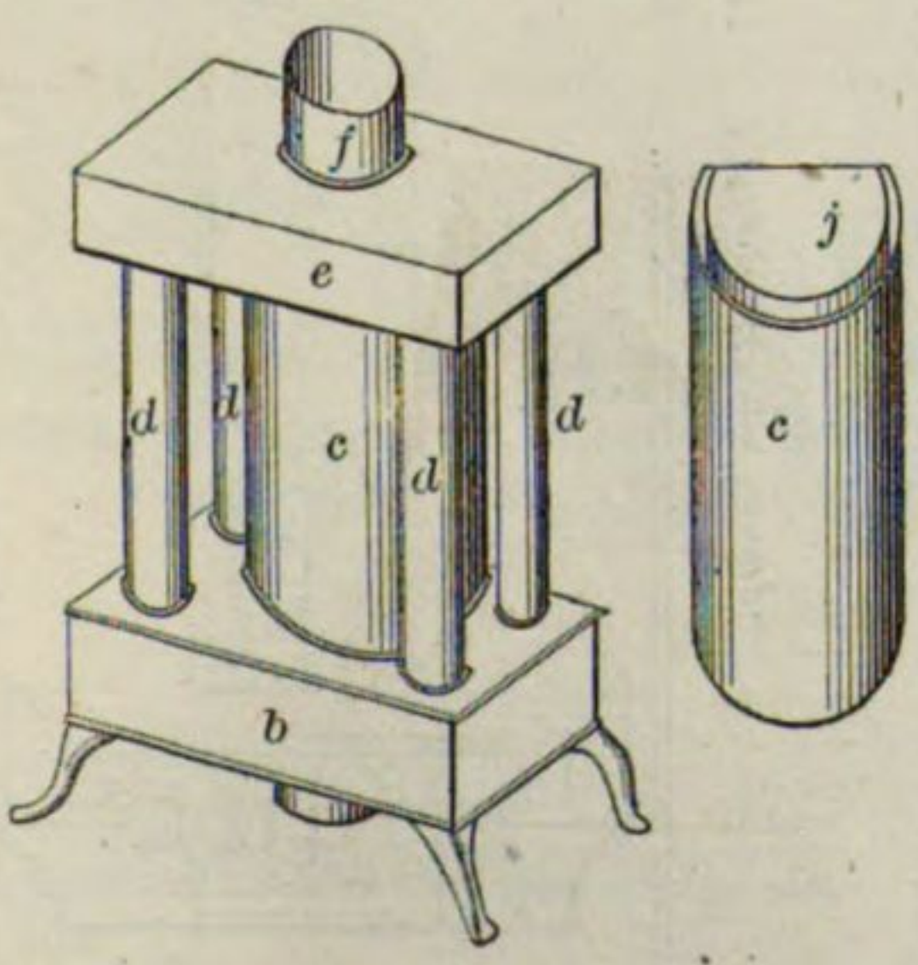
59969—D. N. B. Coffin, Jr.—*Capstan and Windlass.*



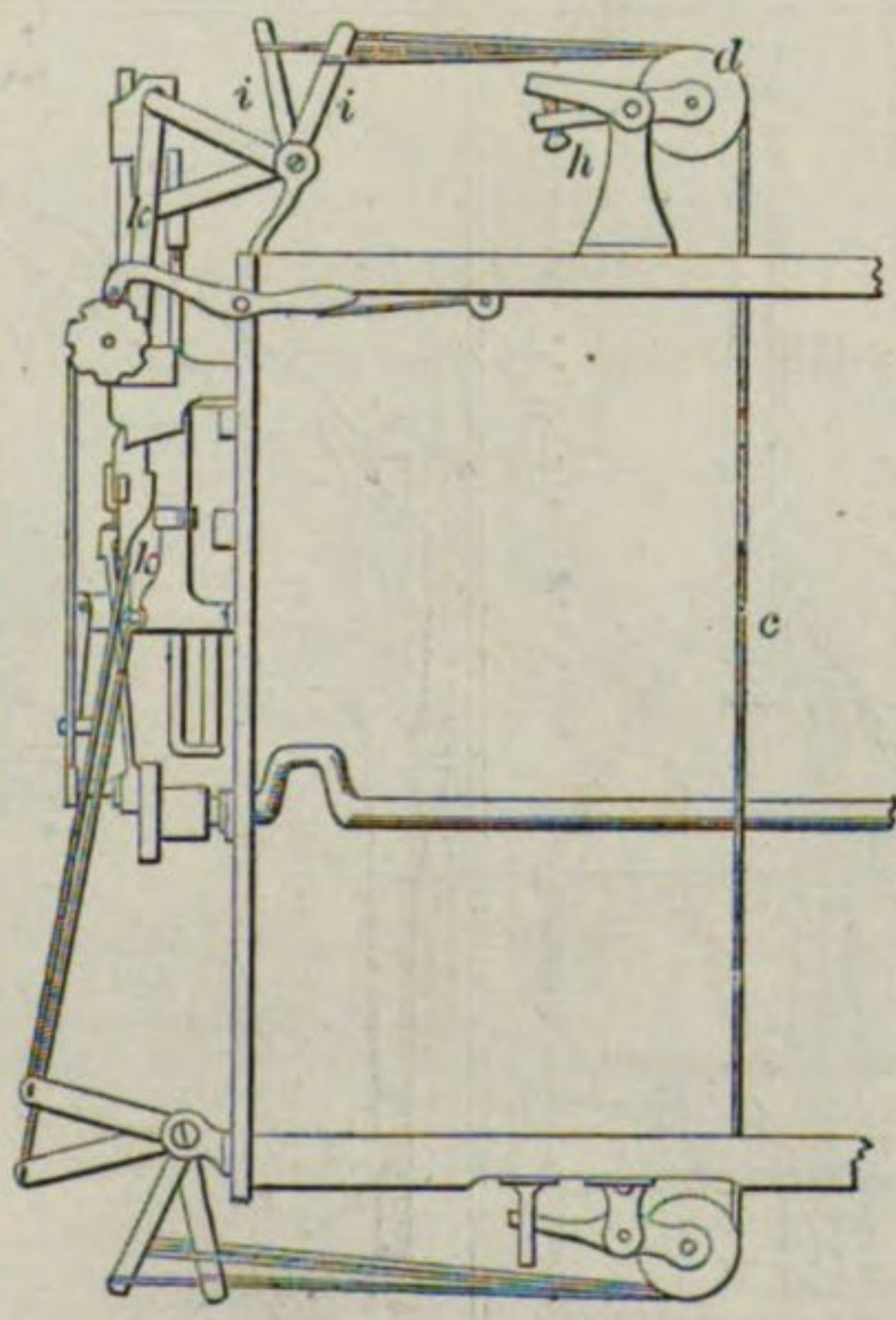
59970—G. Coffin—*Attaching Shafts to Sleighs and Carriages.*



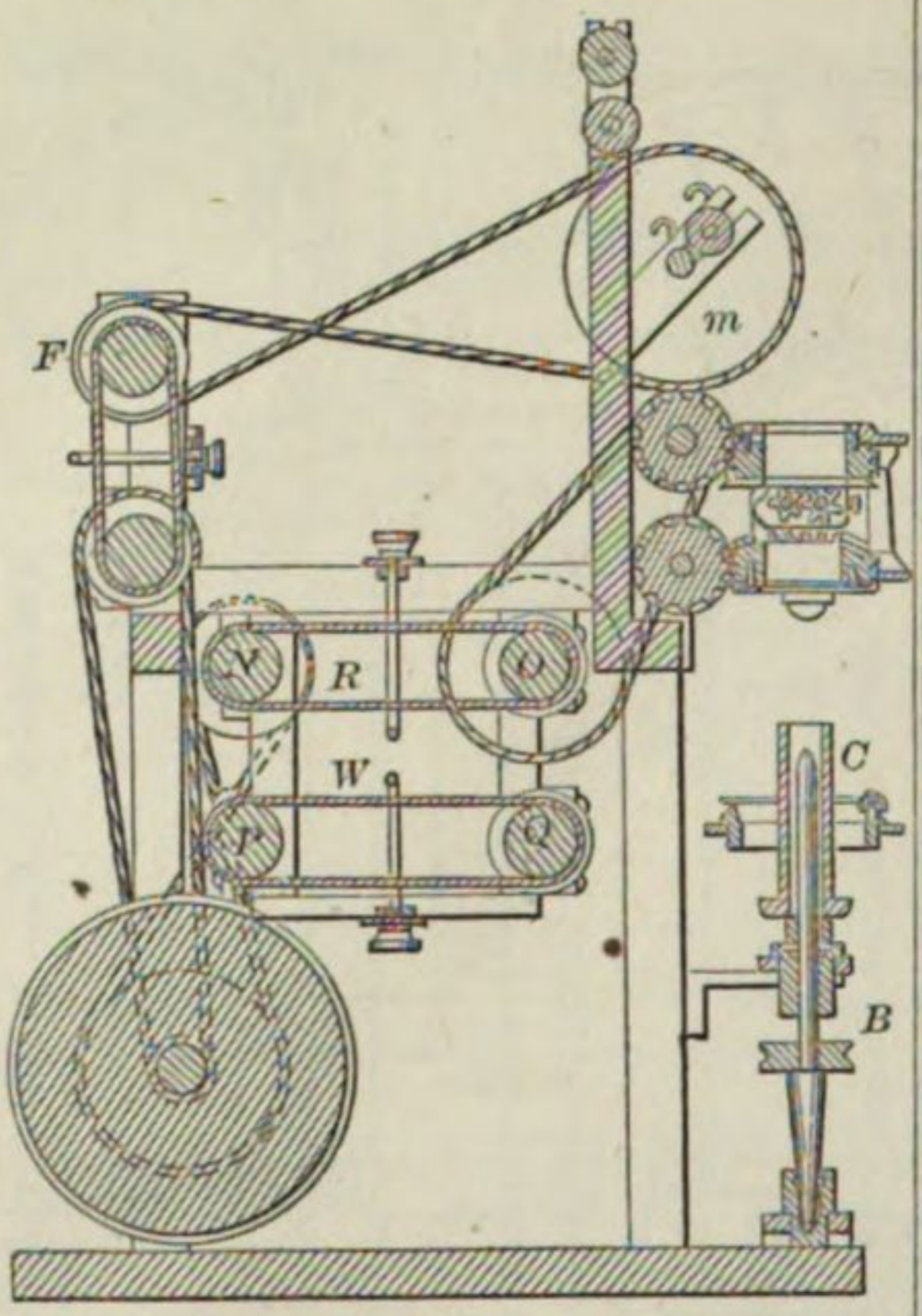
59971—N. E. Cornwall—*Stove Pipe Attachment.*



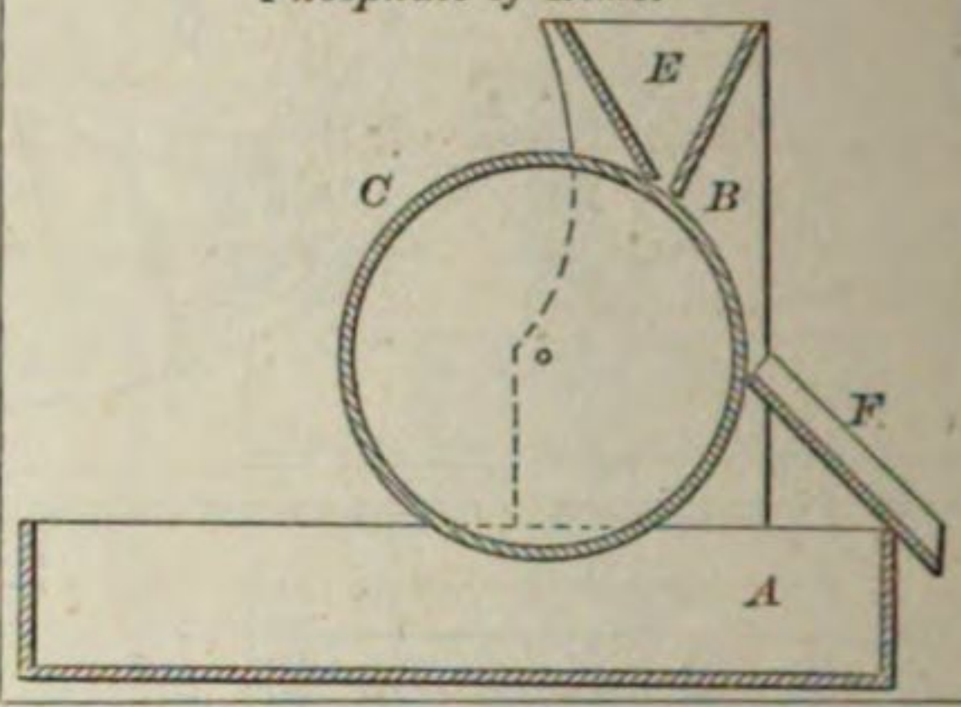
59972—G. Crompton—*Harness Motion for Looms.*



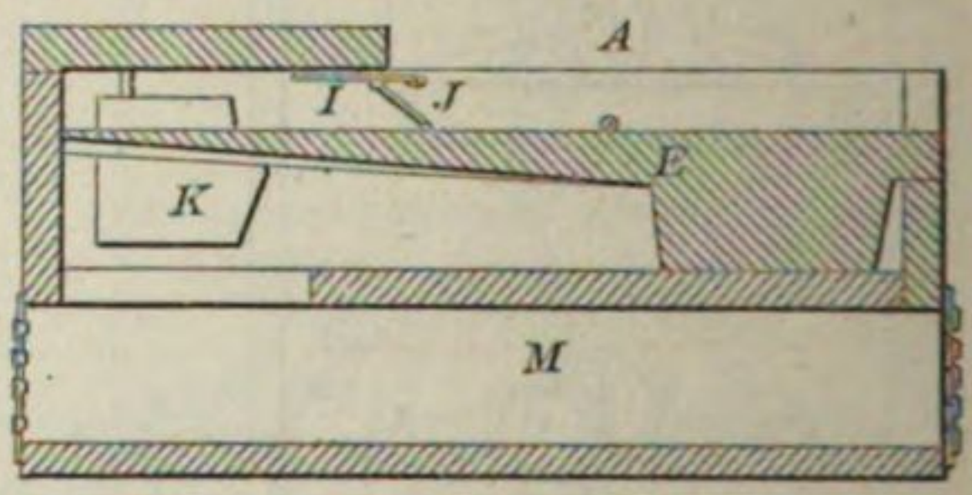
59973—J. Crowfoot—*Spinning Machine.*



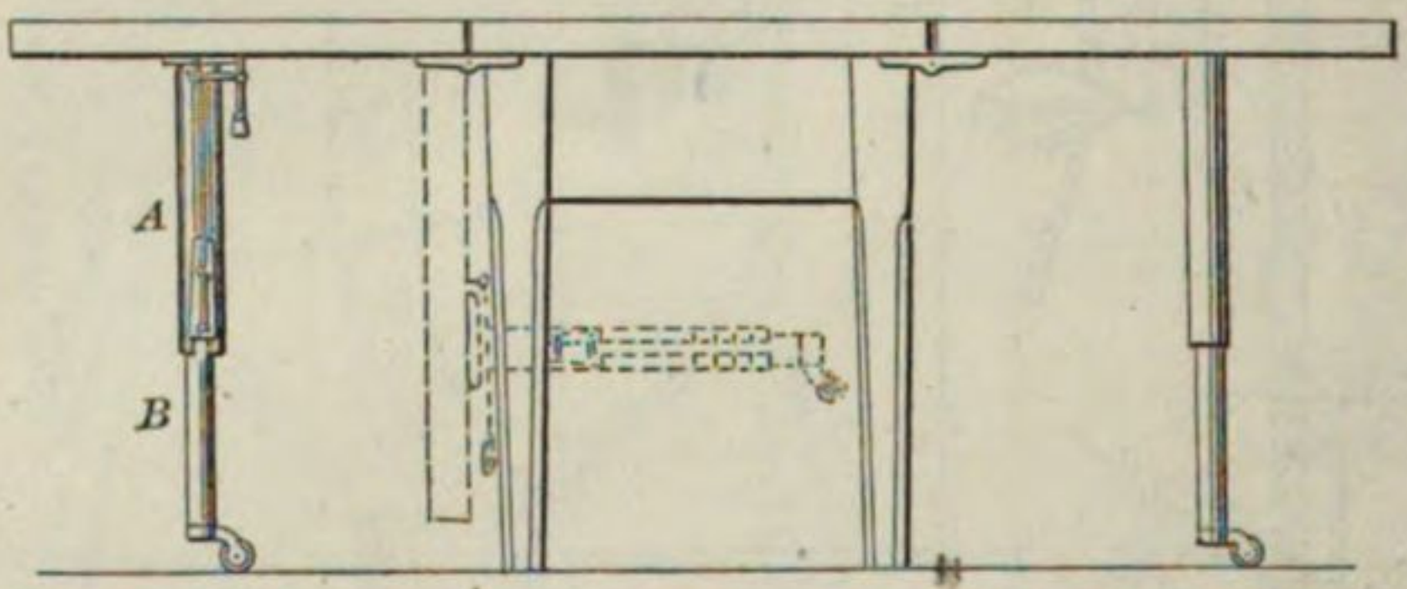
59978—A. de Figaniére—*Making Super-Phosphate of Lime.*



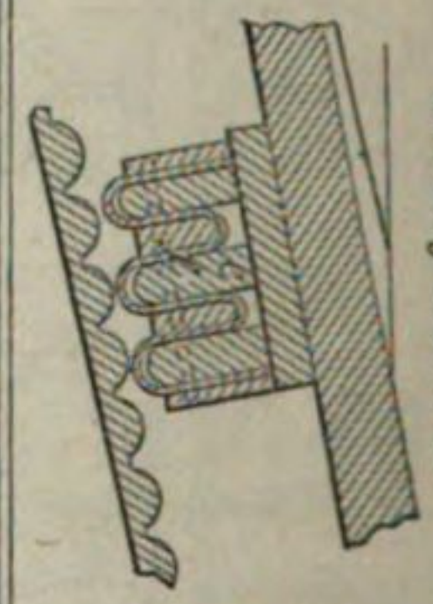
59980—S. F. Dimock—*Animal Trap.*



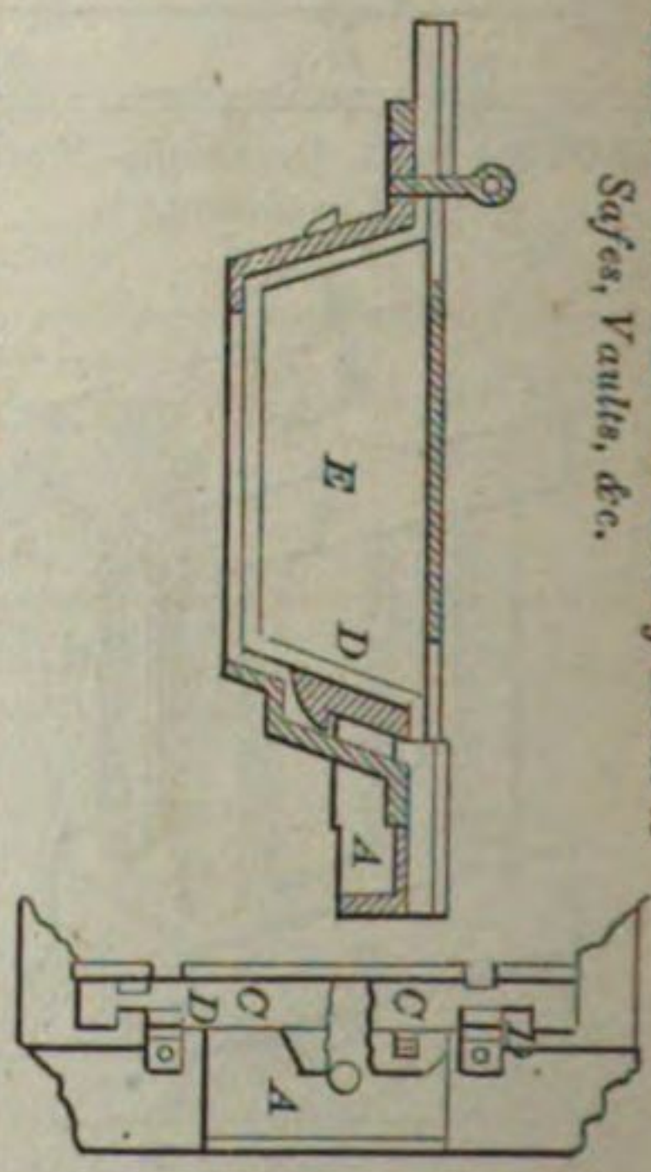
59974—A. Cutler—*Table Leaf Support.*



59979—G. M. Denison—*Washing Machine.*

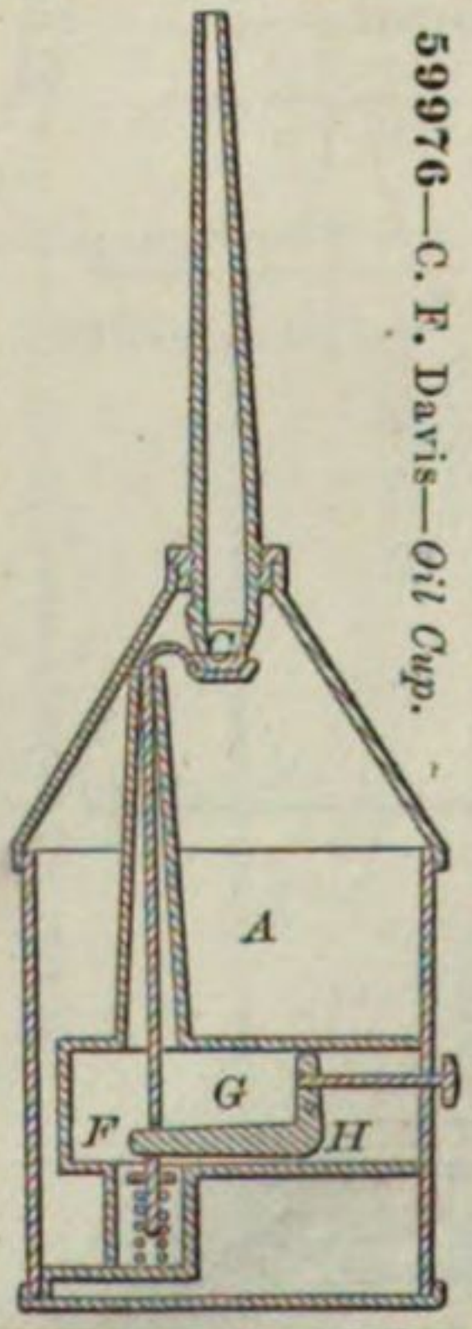


59981—T. Dolan—*Attaching Locks to Safes, Vaults, &c.*

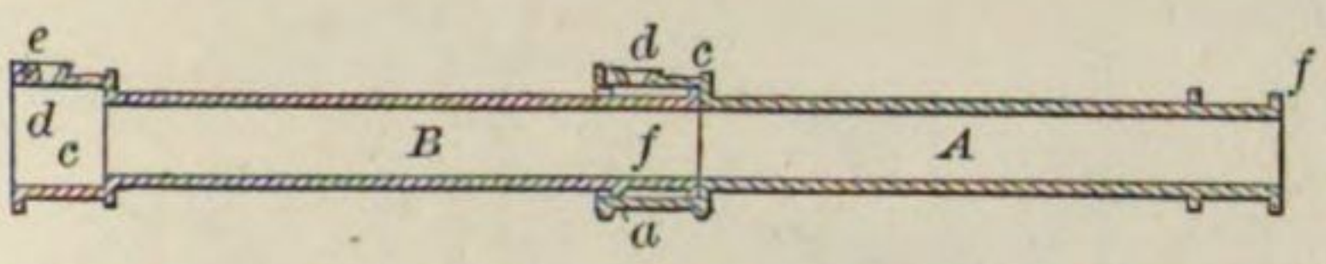


59977—J. Day—*Broom Clamp.*

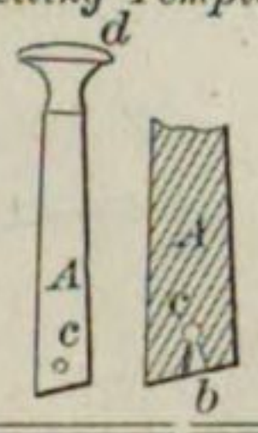
59976—C. F. Davis—*Oil Cup.*



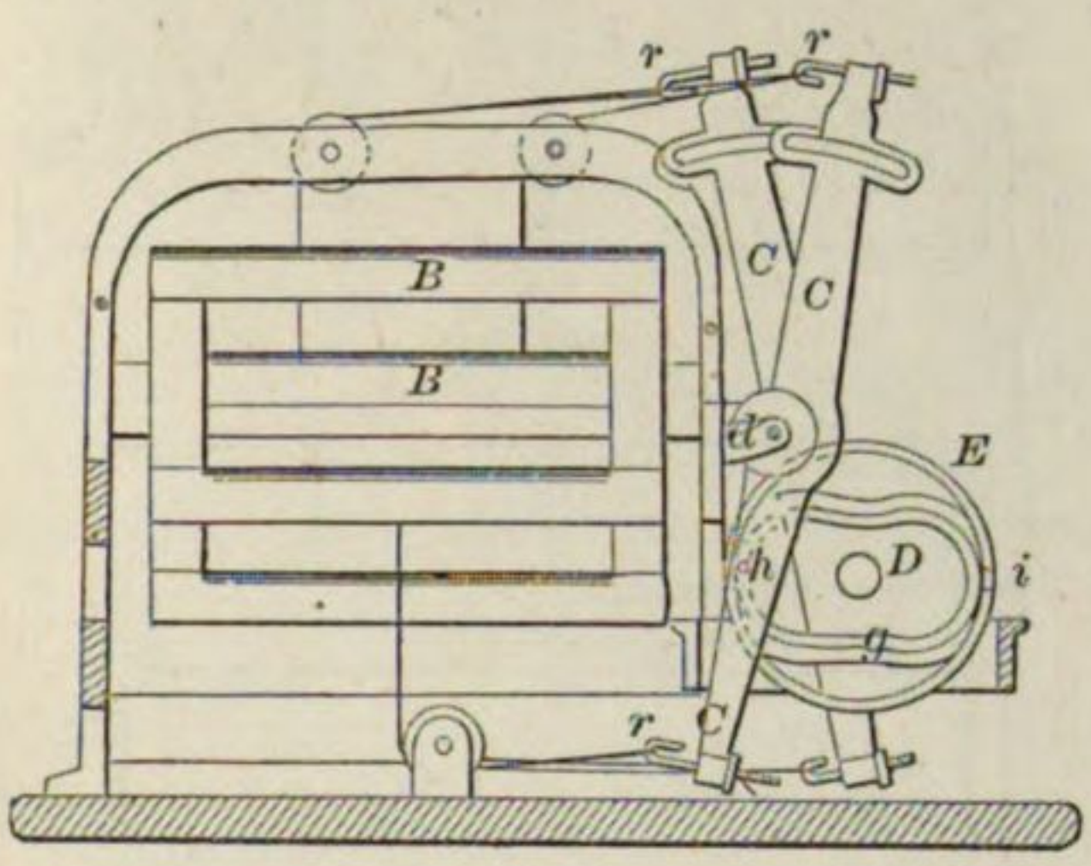
59982—E. Duffee—*Pipe Coupling.*



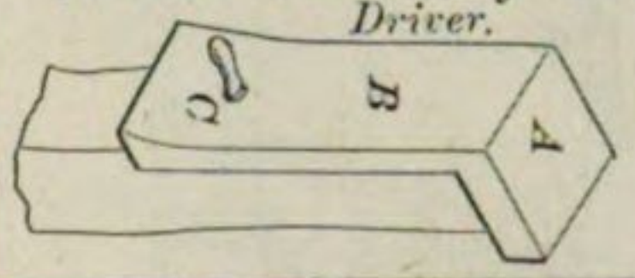
59984—W. W. Dutcher—*For Setting Temple Teeth.*



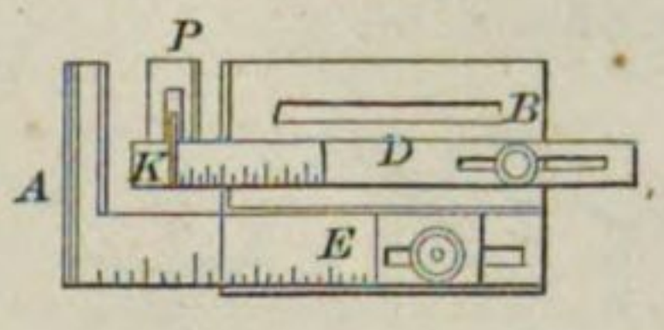
59987—H. A. Ellis—*Loom.*

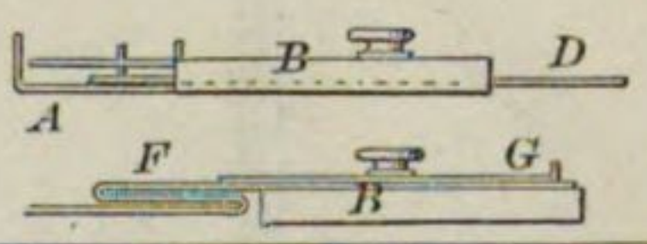


59990—D. D. Foley—*Post Driver.*

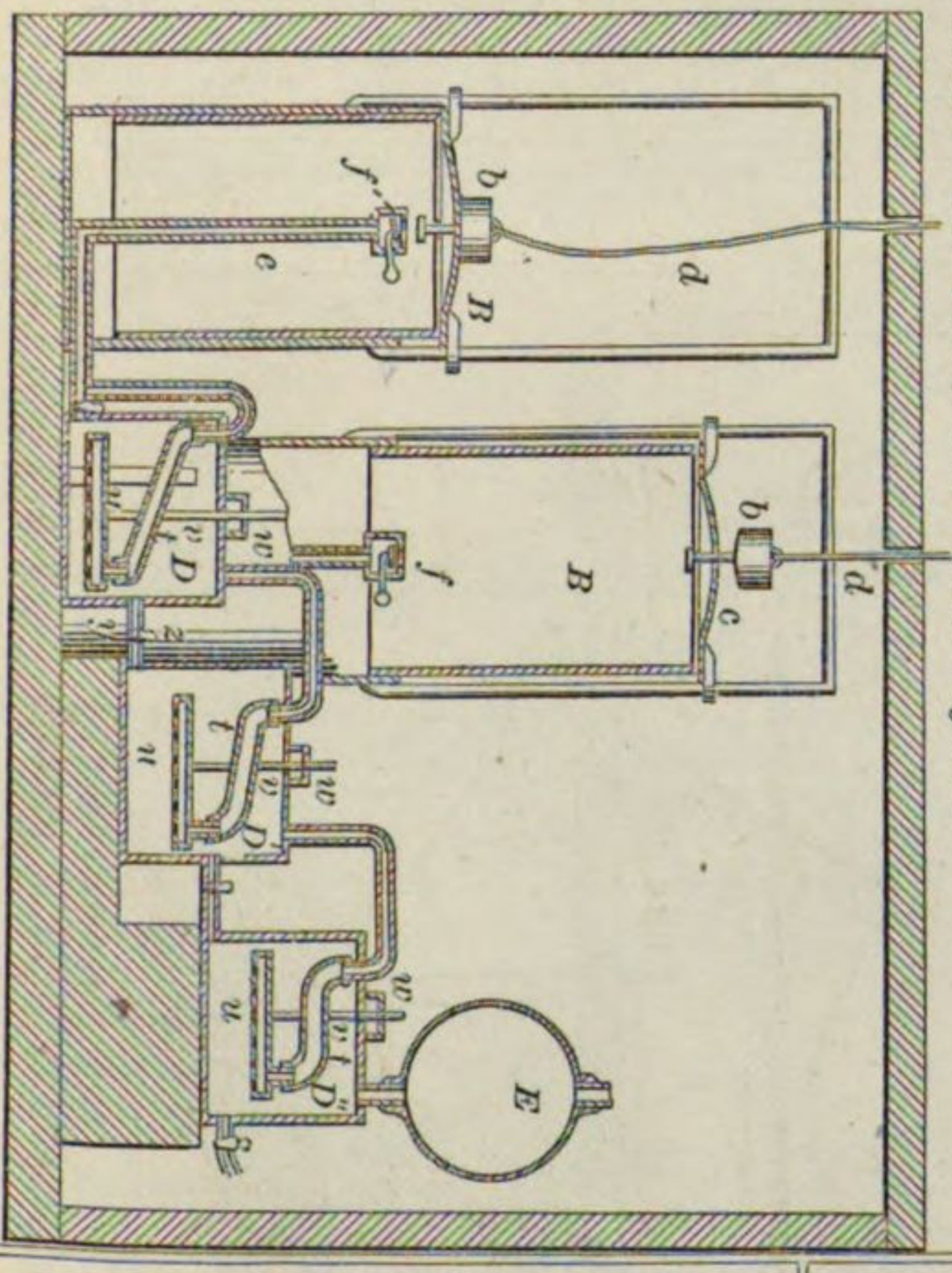


59983—M. A. Duffee—*Sewing Machine Gauge.*

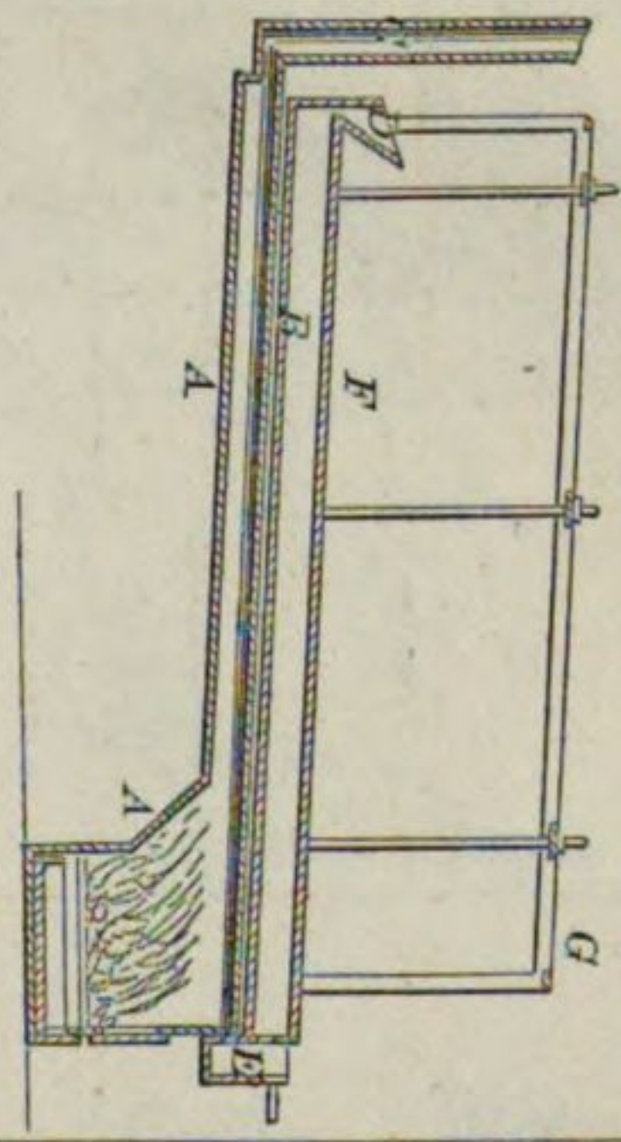




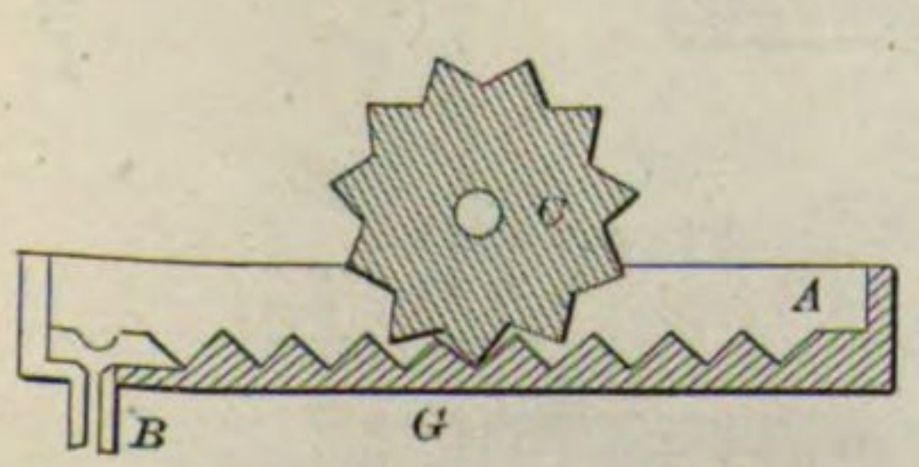
59991—T. F. Frank—*For Carbureting Air.*



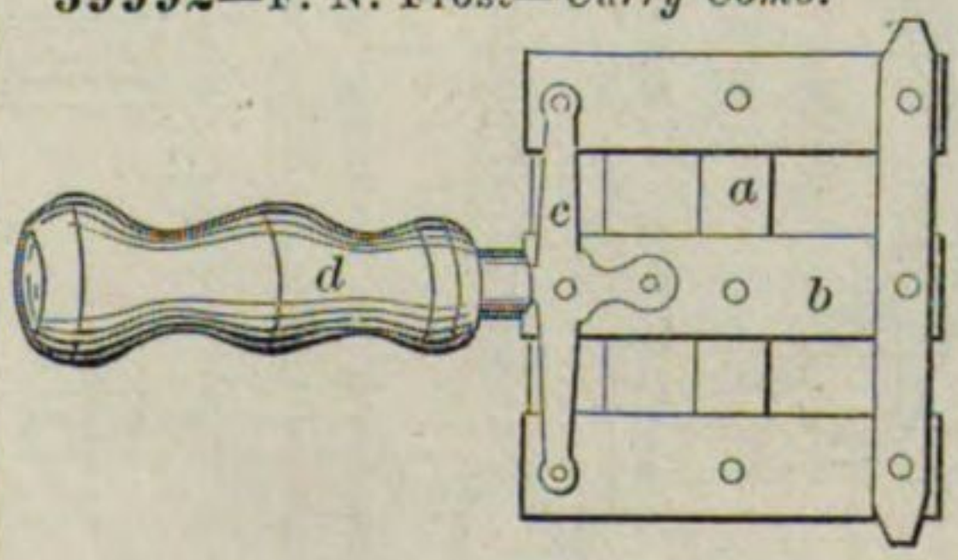
59989—J. R. Evertson—*Grain Dryer.*



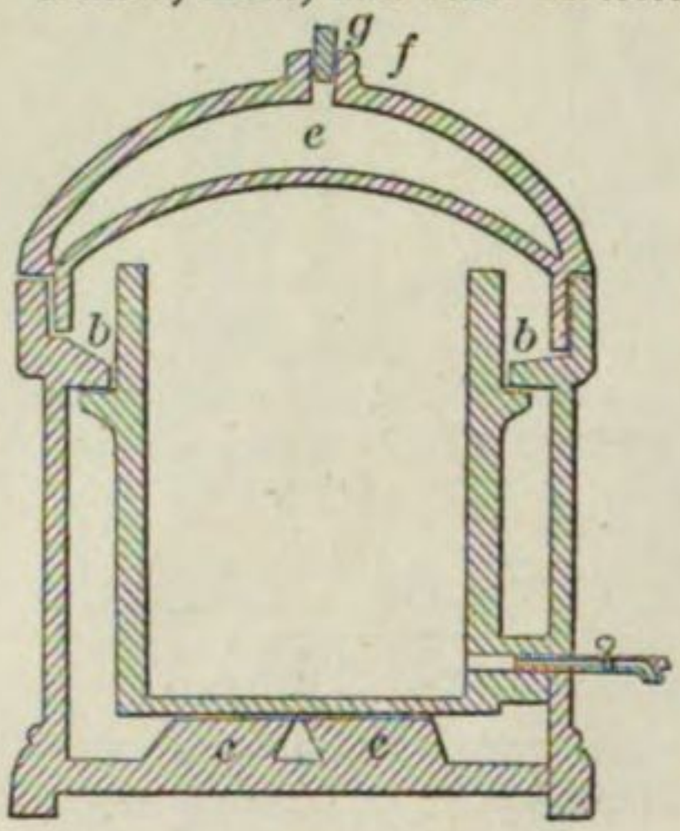
59985—R. R. Eastman—*Butter Worker.*



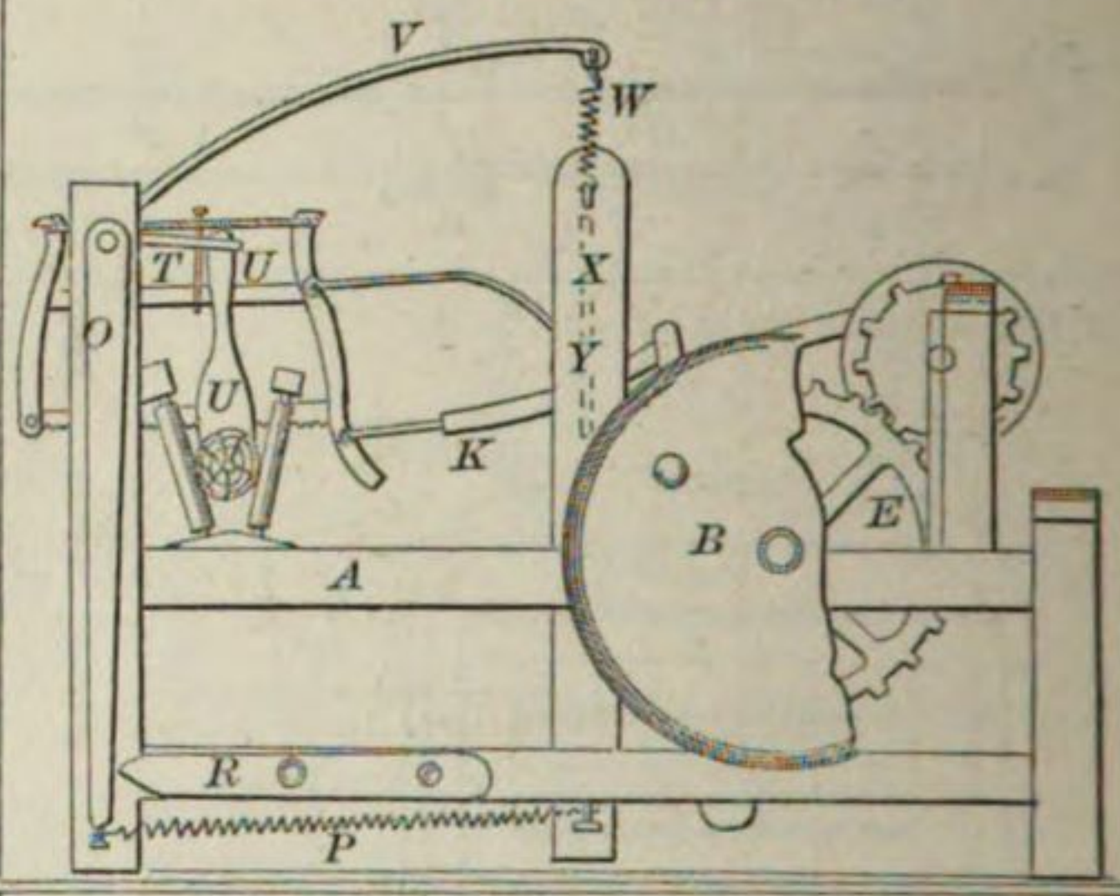
59992—F. N. Frost—*Curry Comb.*



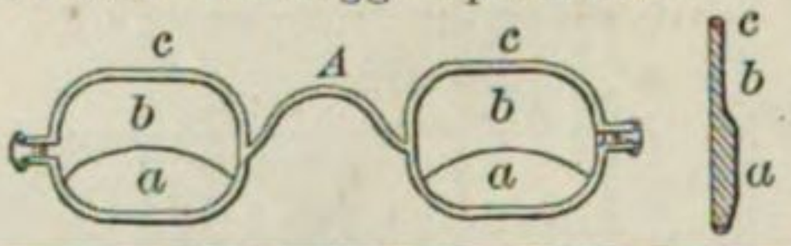
59993—W. Garrard—*For Preserving Butter, Milk, and other Articles.*



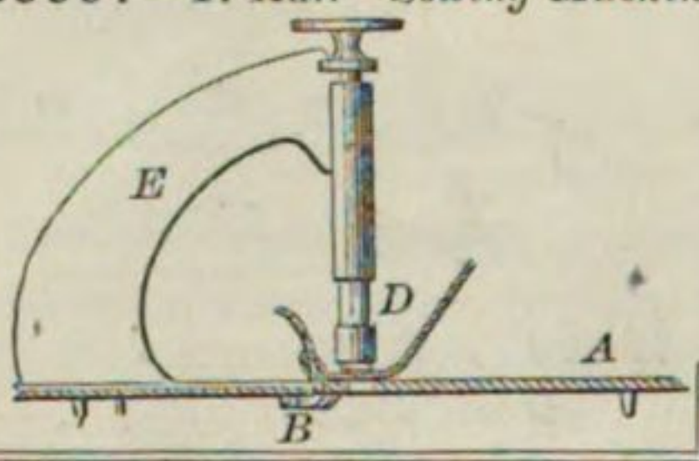
59994—P. A. Gerry—*Sawing Machine.*



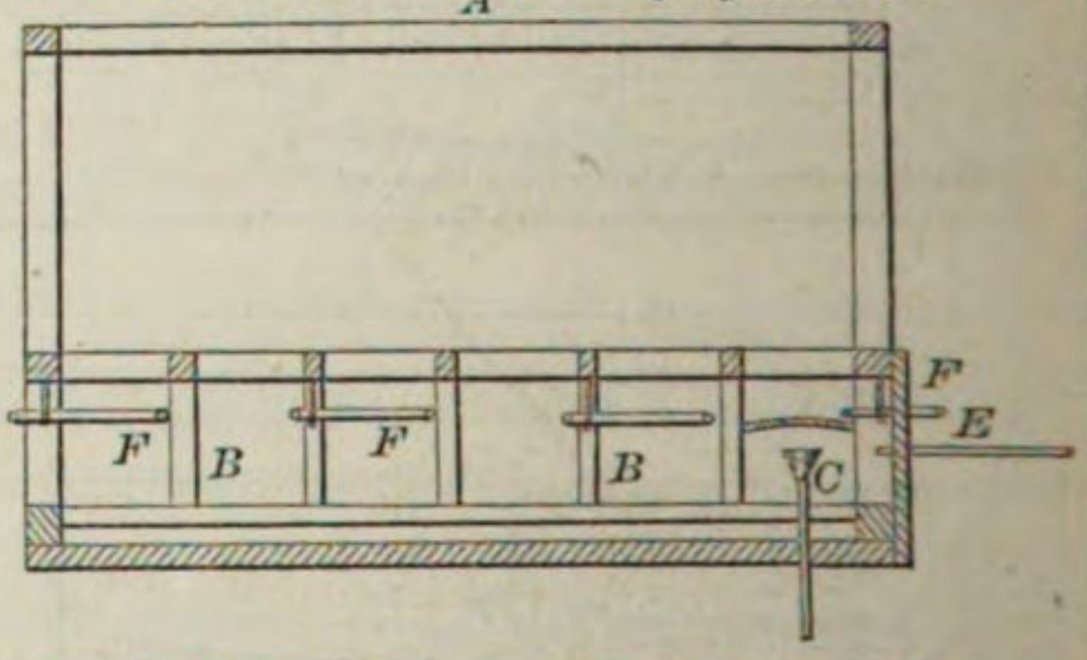
59995—S. Gregg—*Spectacles.*



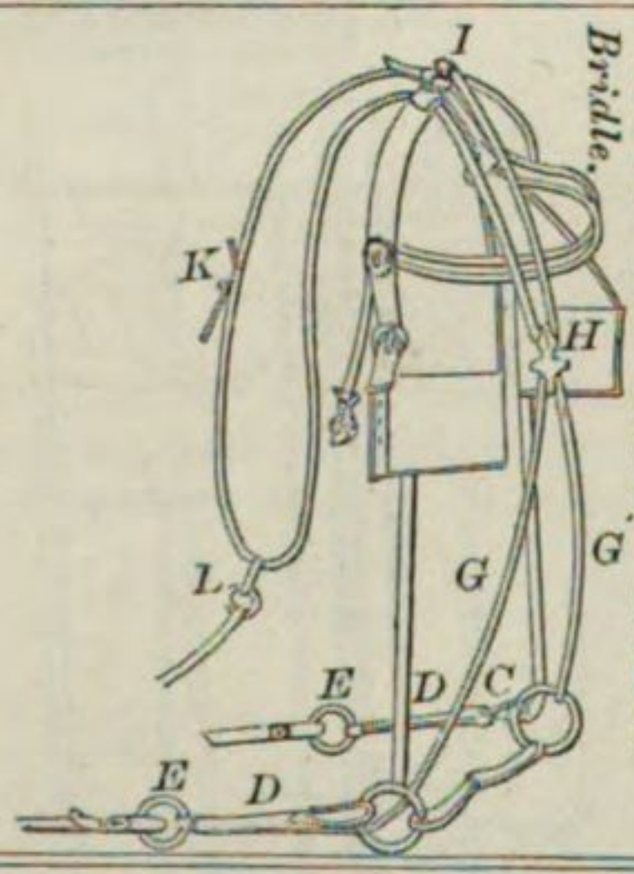
59997—T. Hall—*Sewing Machine.*



59998—J. W. Hanna—*For Drying Lumber.*



59996—Haberbrush & Kreckel—*Bridle.*



59999—E. B. Harding M. D.—*Pessary.*

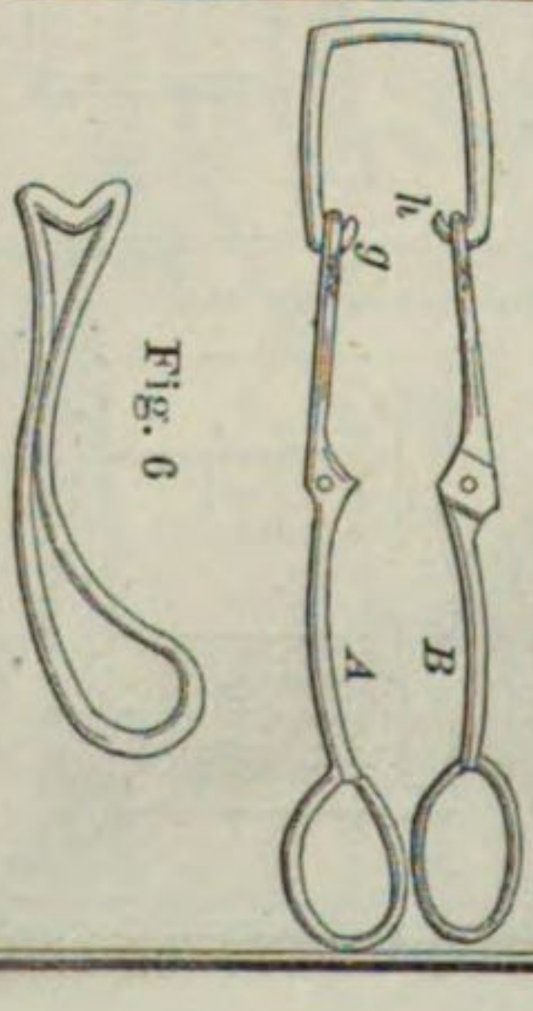
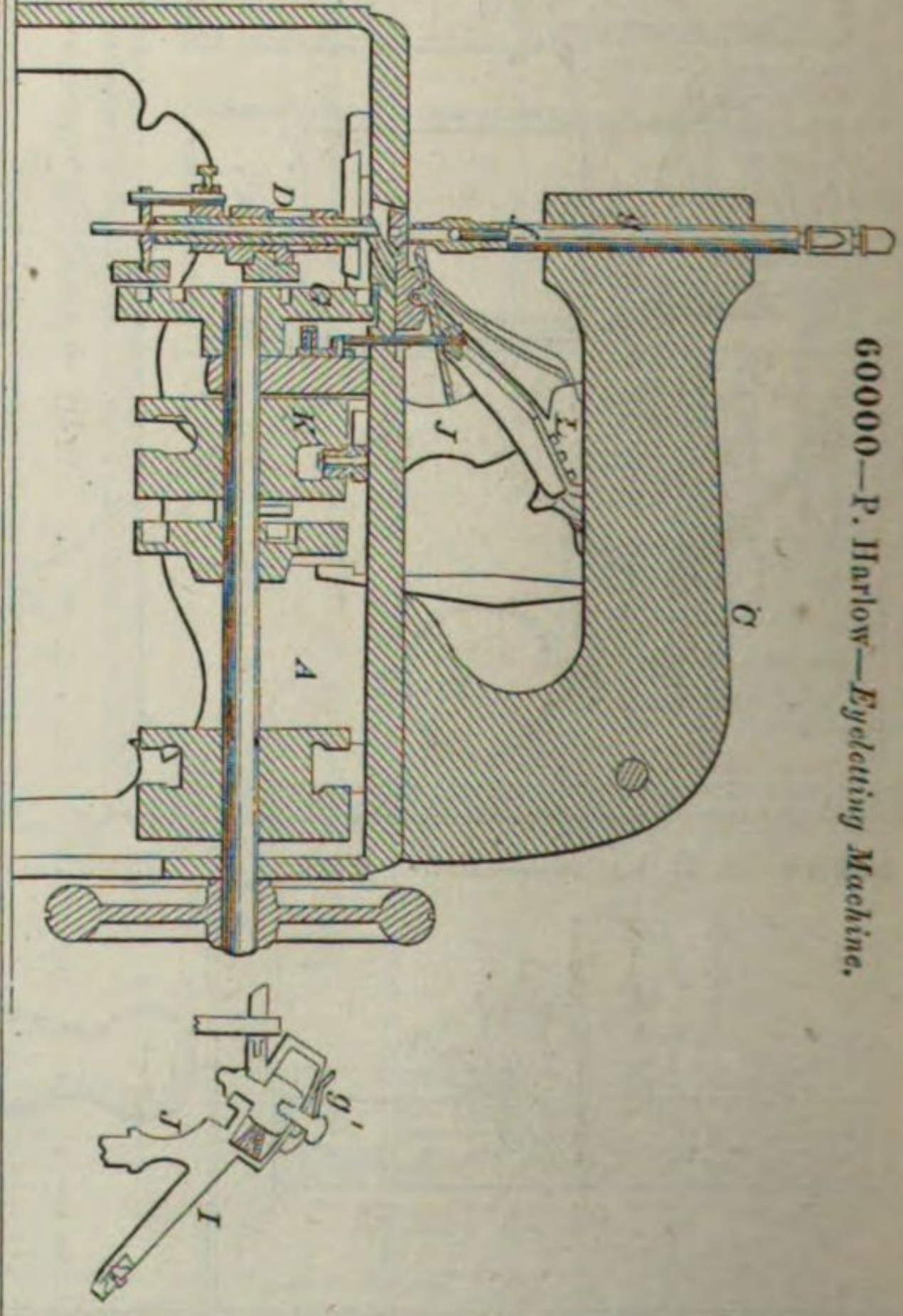
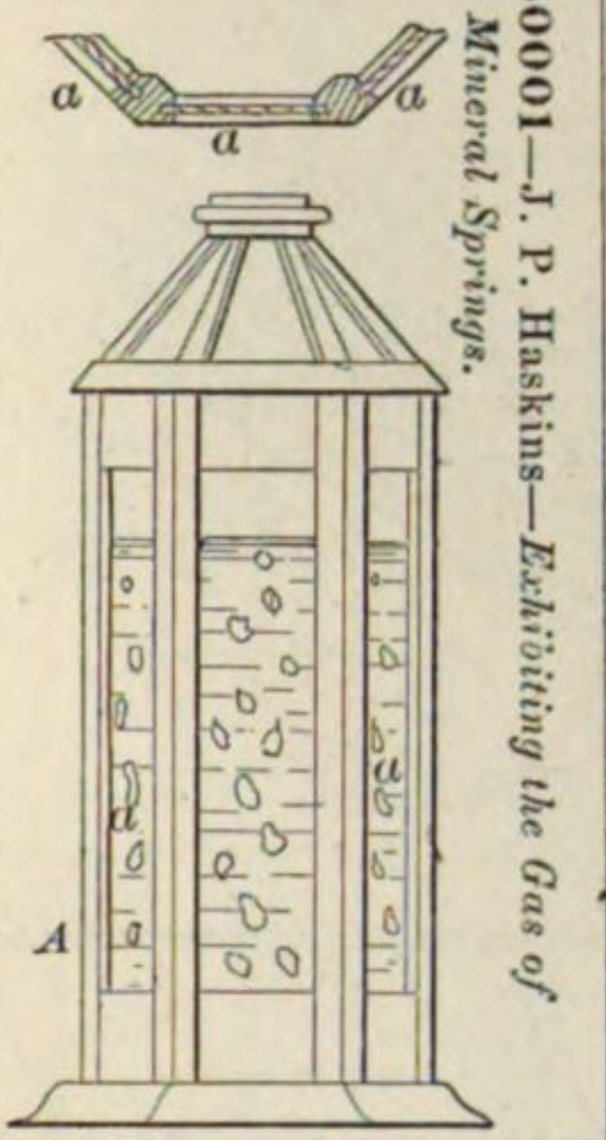


Fig. 6

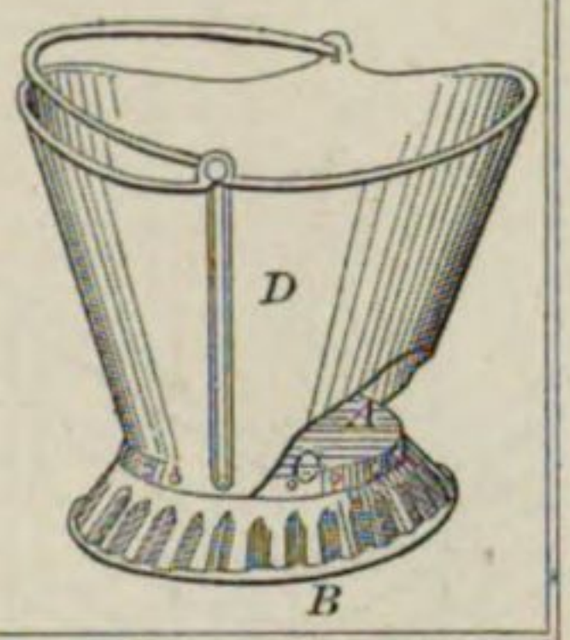
60000—P. Harlow—*Eyeletting Machine.*



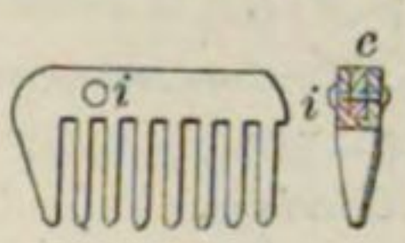
60001—J. P. Haskins—*Exhibiting the Gas in Mineral Springs.*



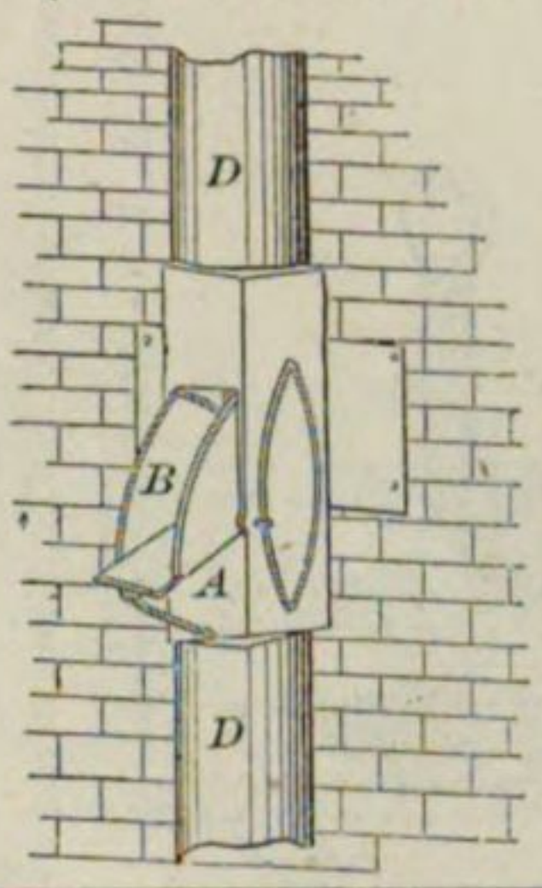
60003—C. F. Henis—*Coal Scuttle.*



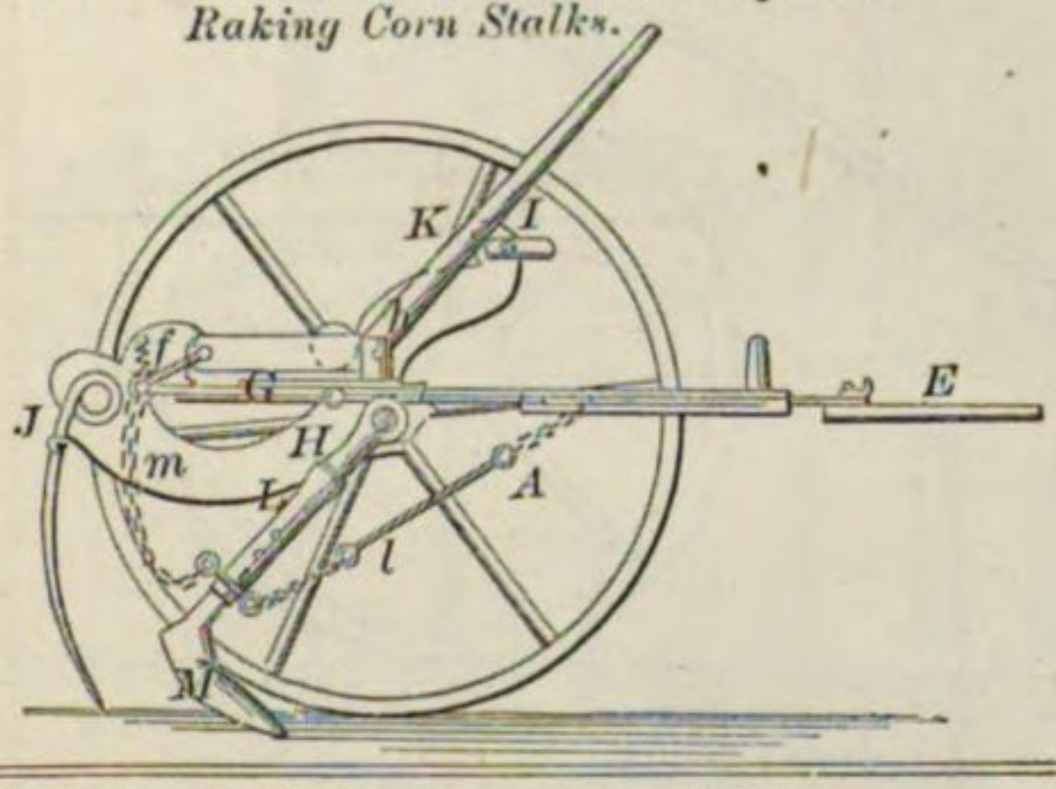
60004—J. H. Hicks—*Comb.*



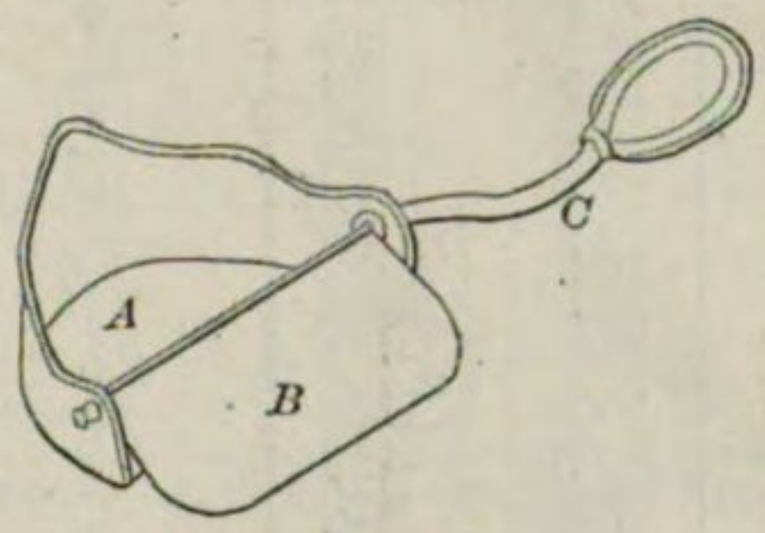
60005—Hicks & Welker—*Cut-off for Cistern Leaders.*



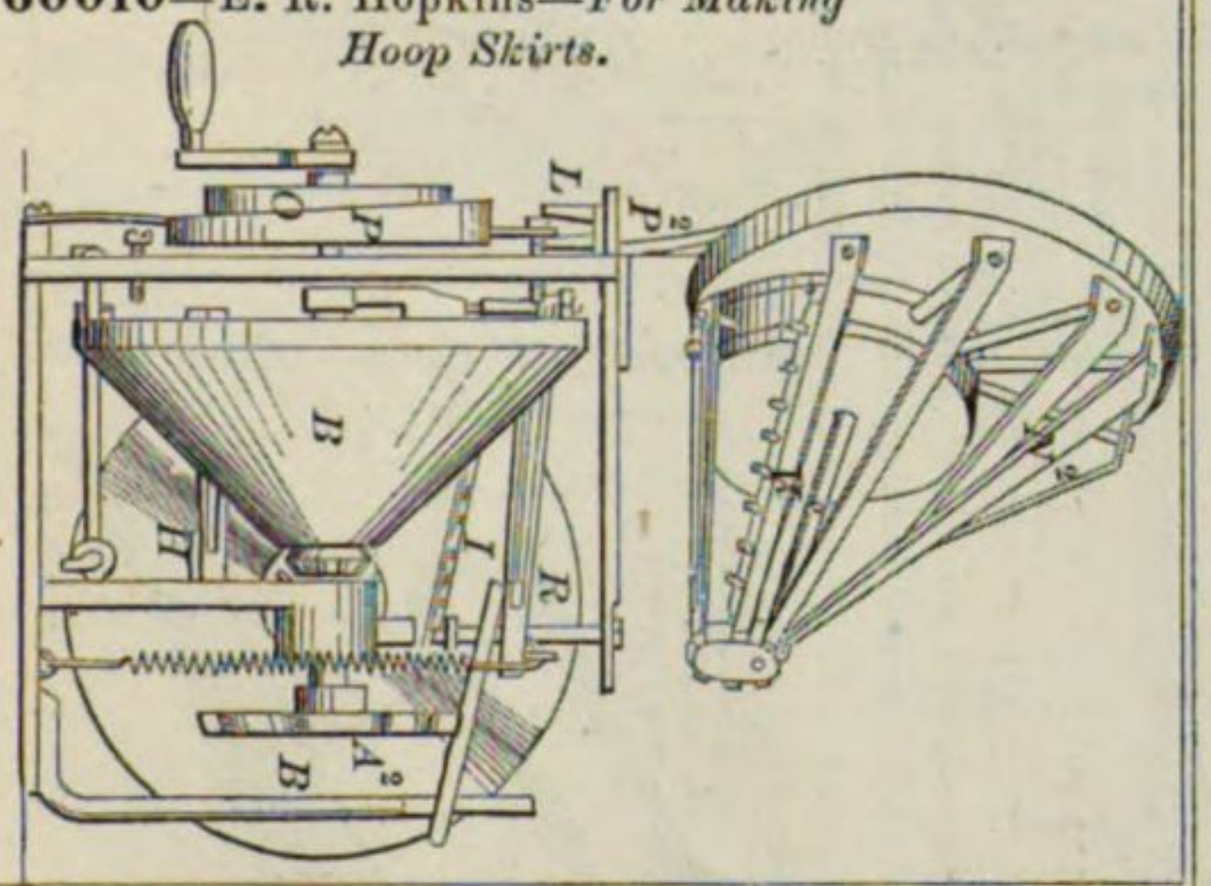
60008—Hill & Tuttle—*For Cutting and Raking Corn Stalks.*



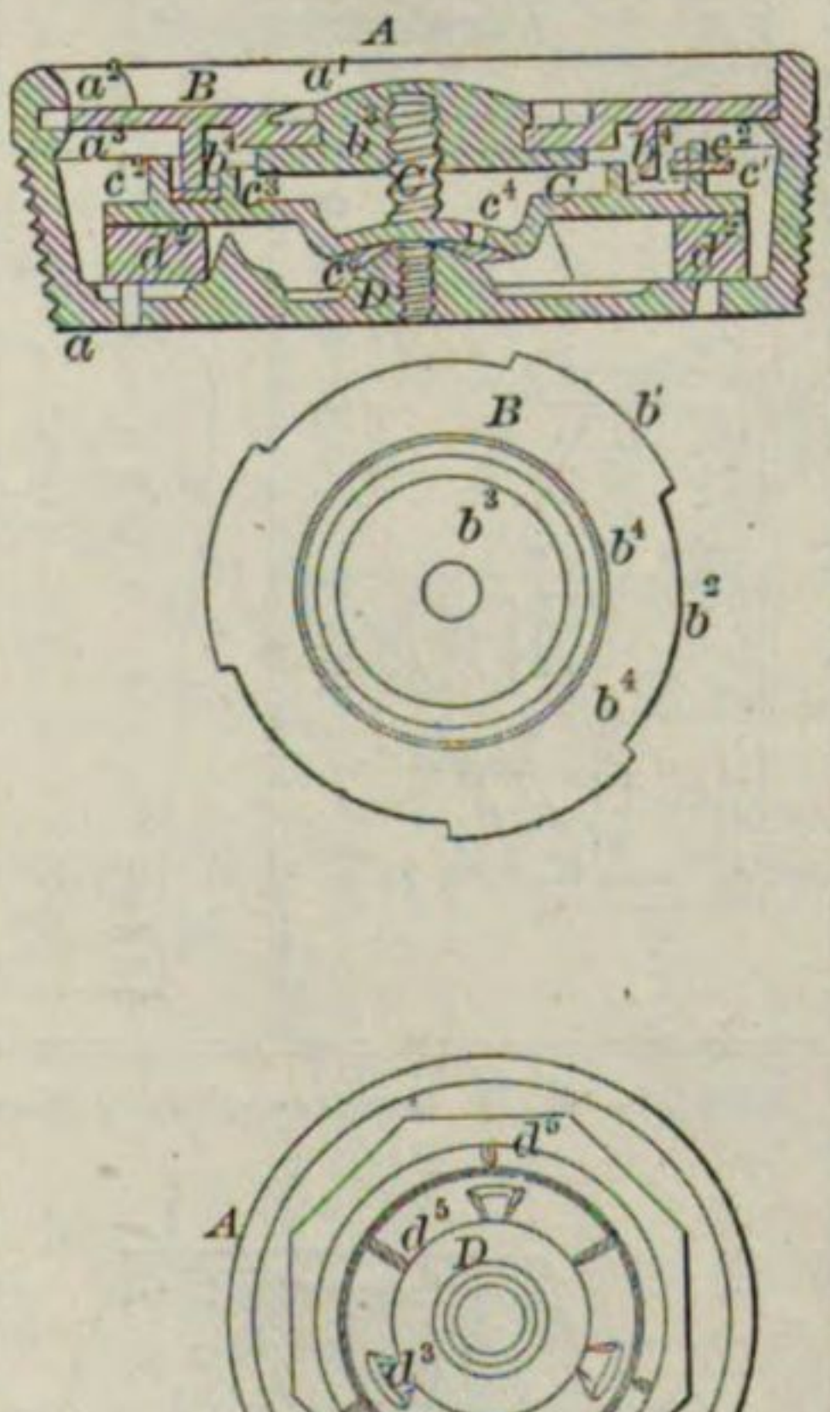
60009—A. B. Hoffman—*Crumb Remover.*



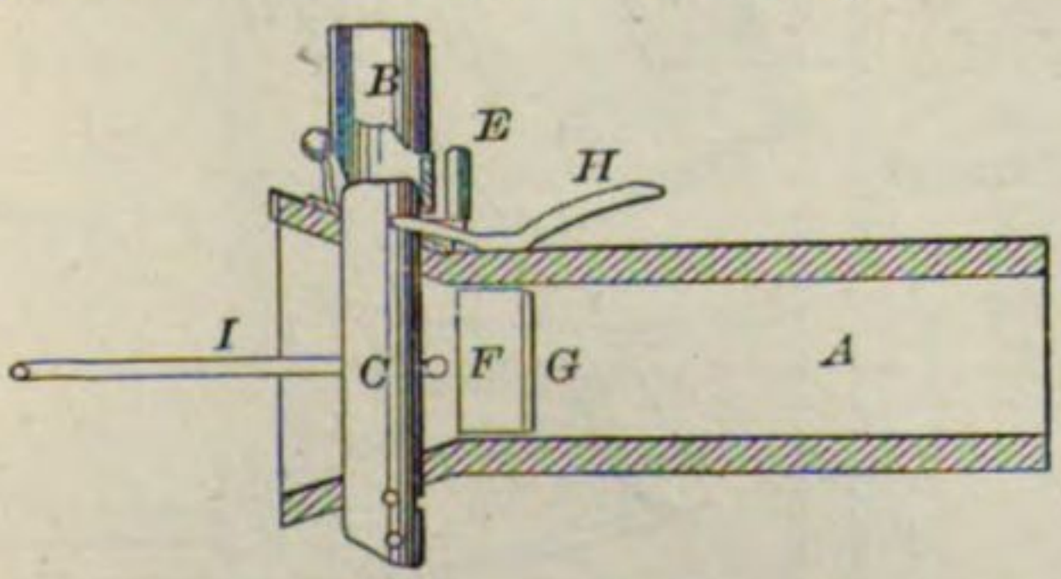
60010—E. R. Hopkins—*For Making Hoop Skirts.*

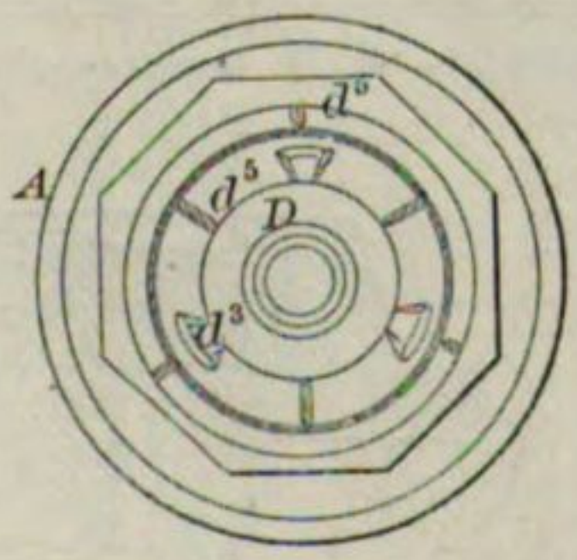


60011—Hufendick & Spangenberg—*Bung.*

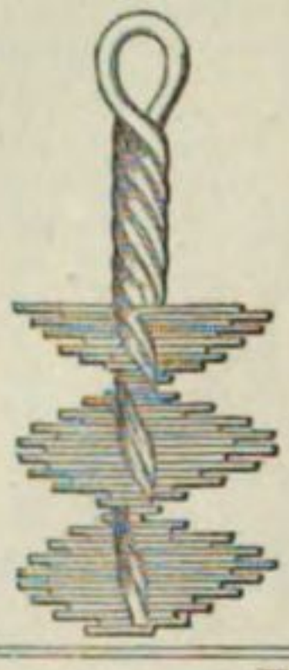


60012—J. H. Kavanagh—*Car Coupling.*

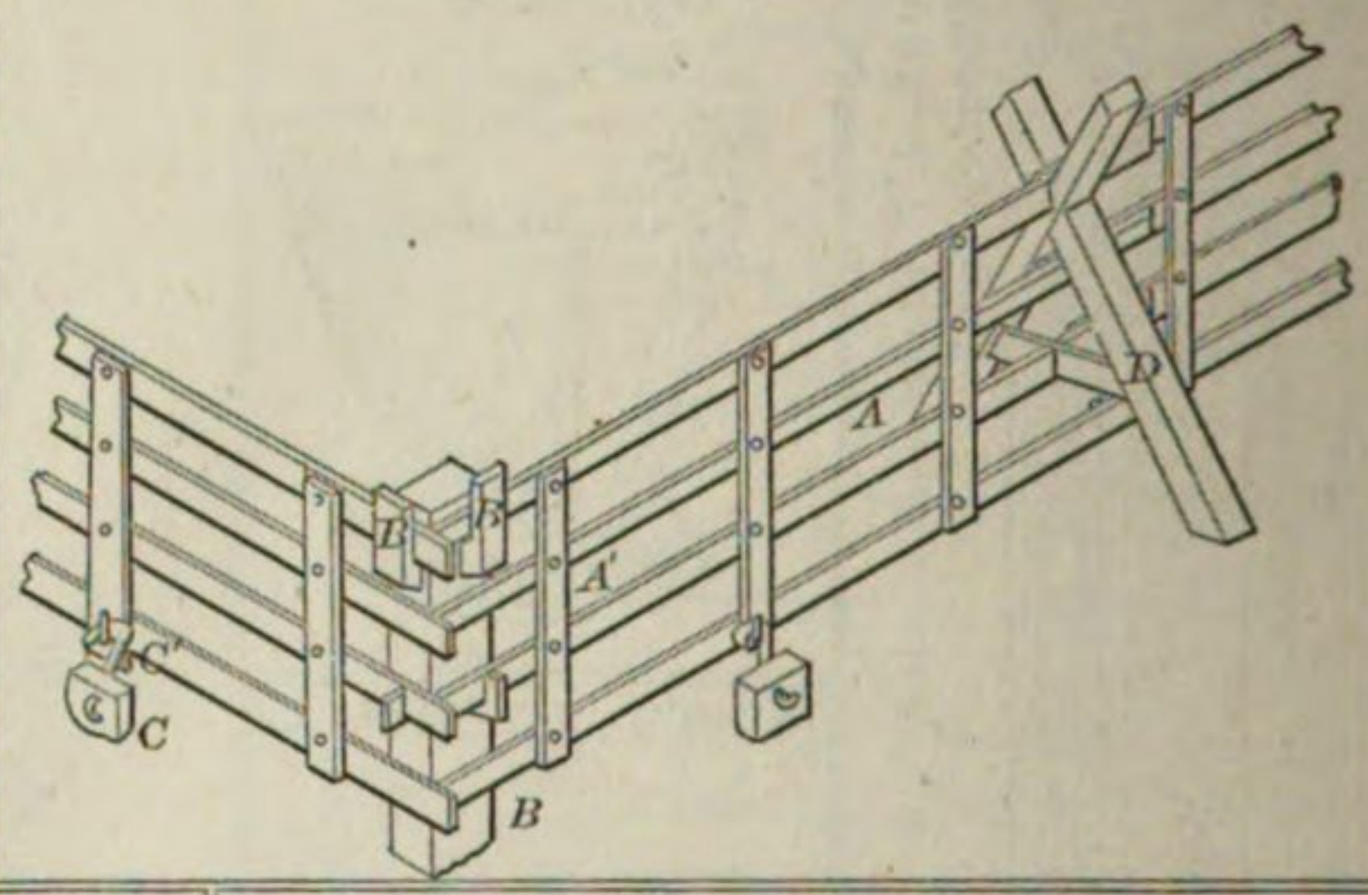




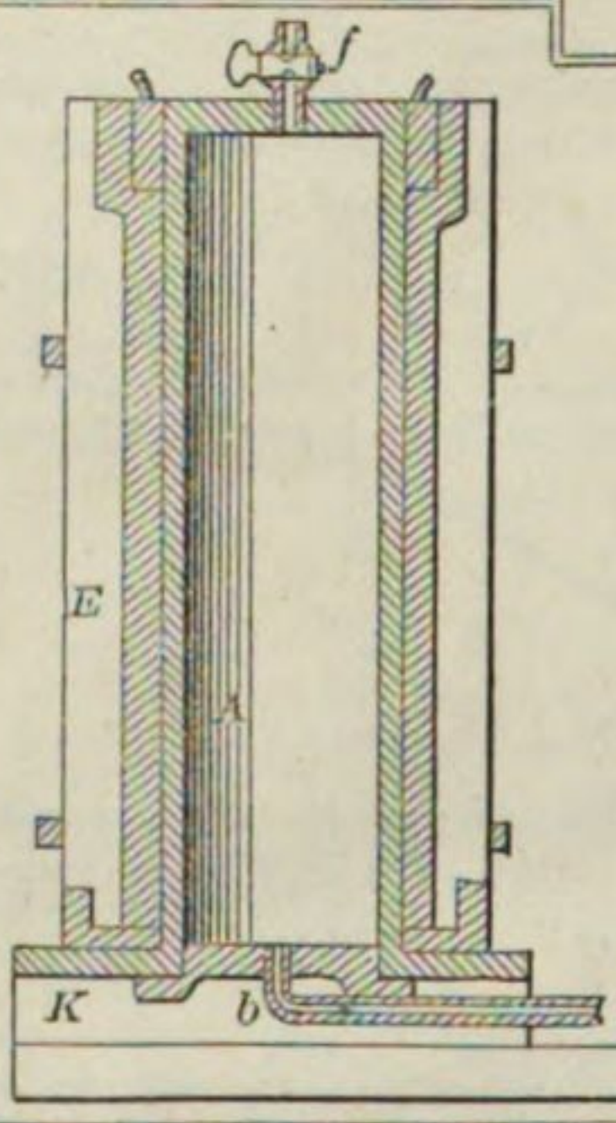
60013—R. King—*Boiler Flue Brush.*



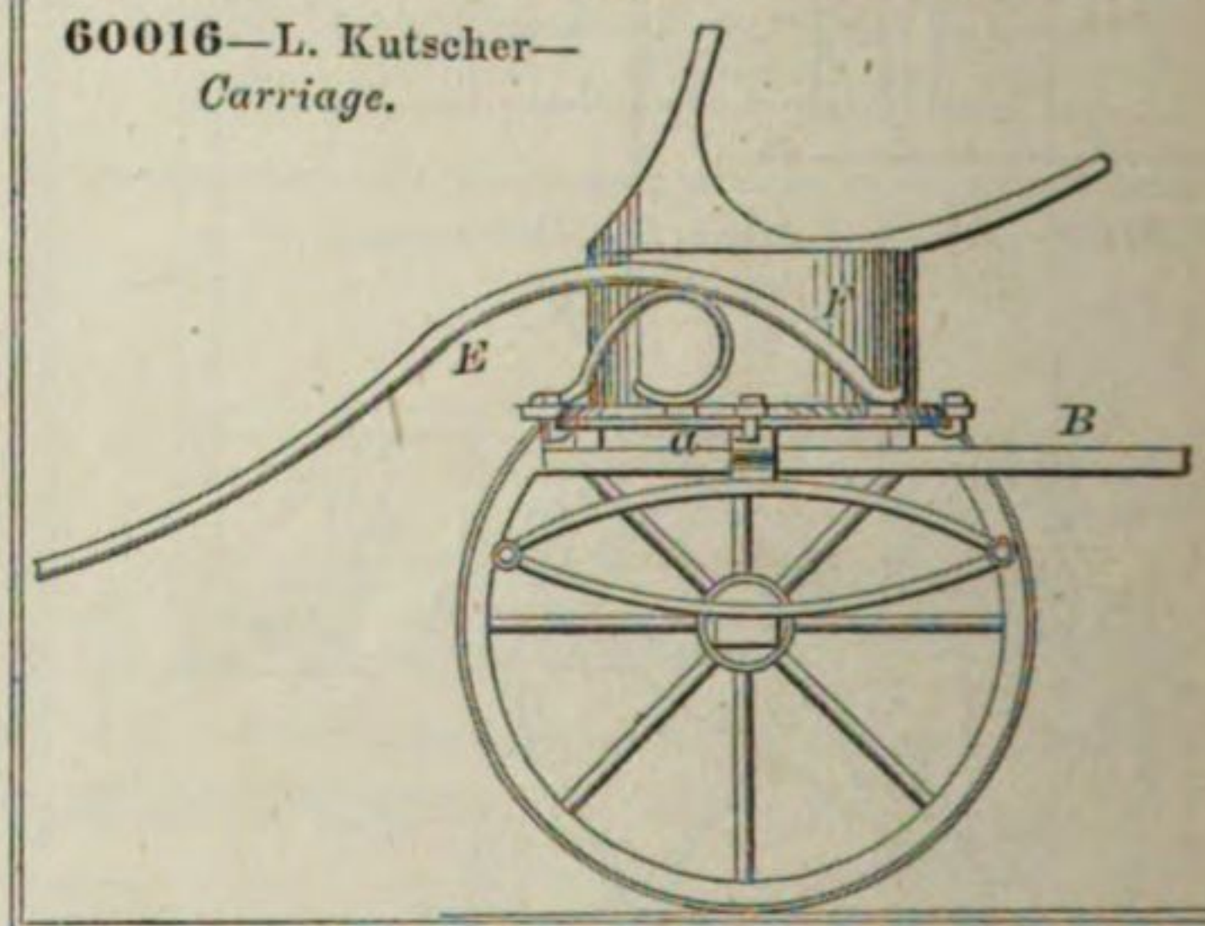
60020—C. G. Lazear—*Fence.*



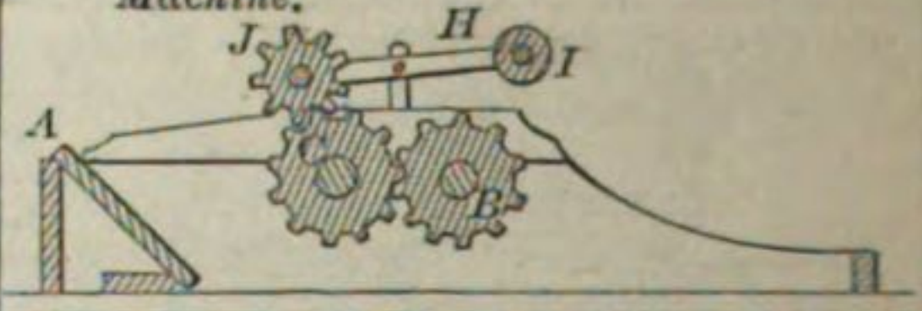
60014—H. Knight—*Cement Pipe.*



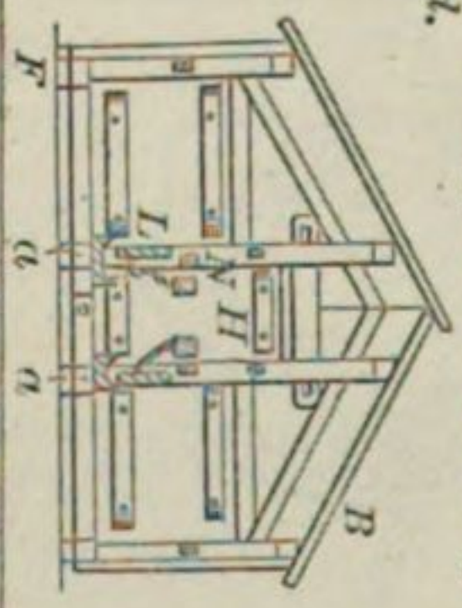
60016—L. Kutscher—*Carriage.*



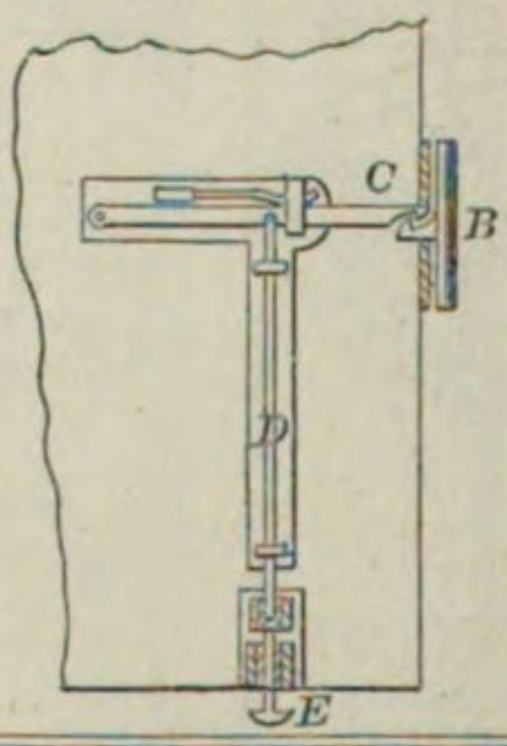
60018—J. Lamphear—*Washing Machine.*



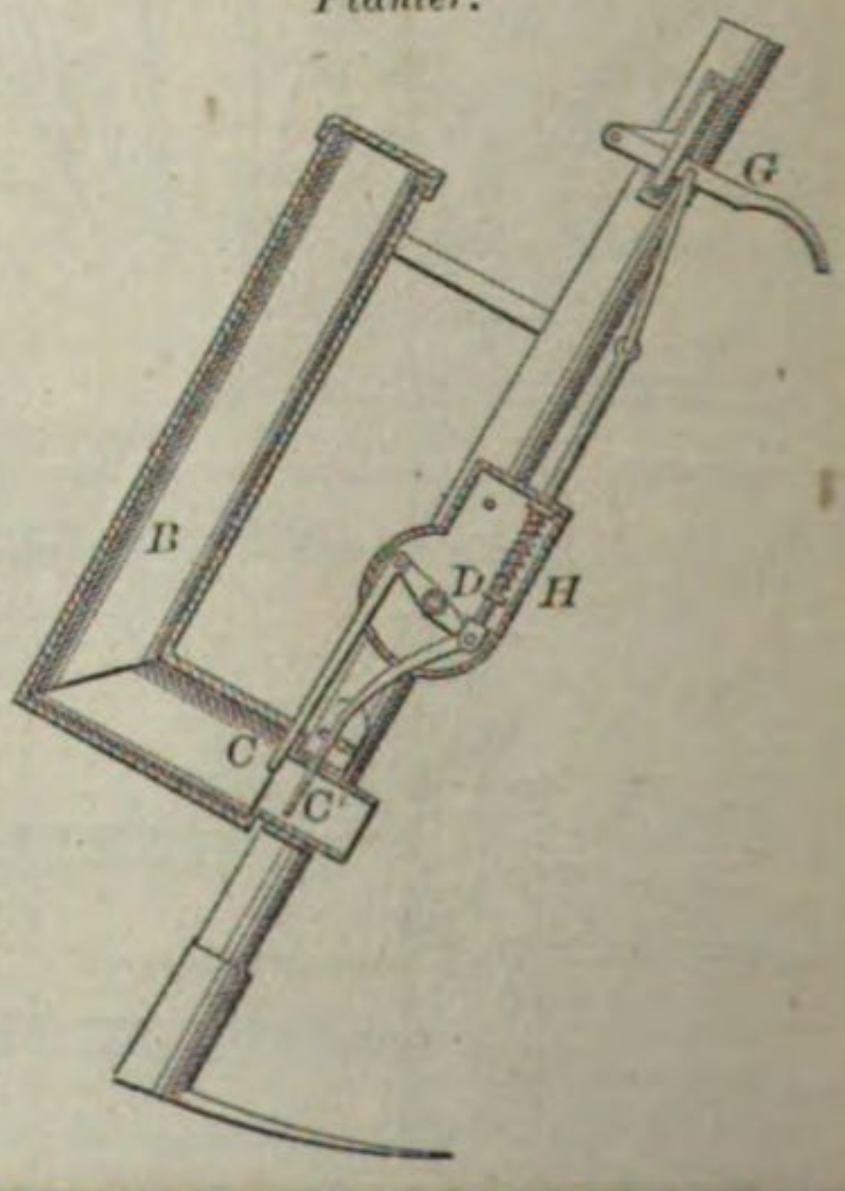
60015—Knapp & Elliott—*Sheep Shed.*



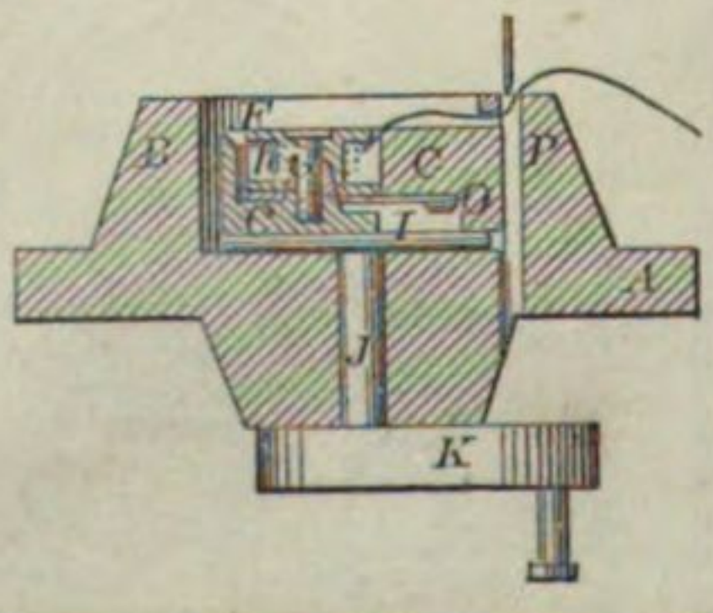
60017—L. Lall—*Clasp Lock for Books, &c.*



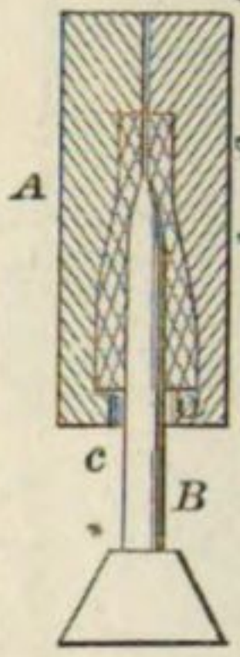
60019—A. T. Large—*Hand Seed Planter.*



60021—G. H. Lenher—*Sewing Machine Shuttle.*

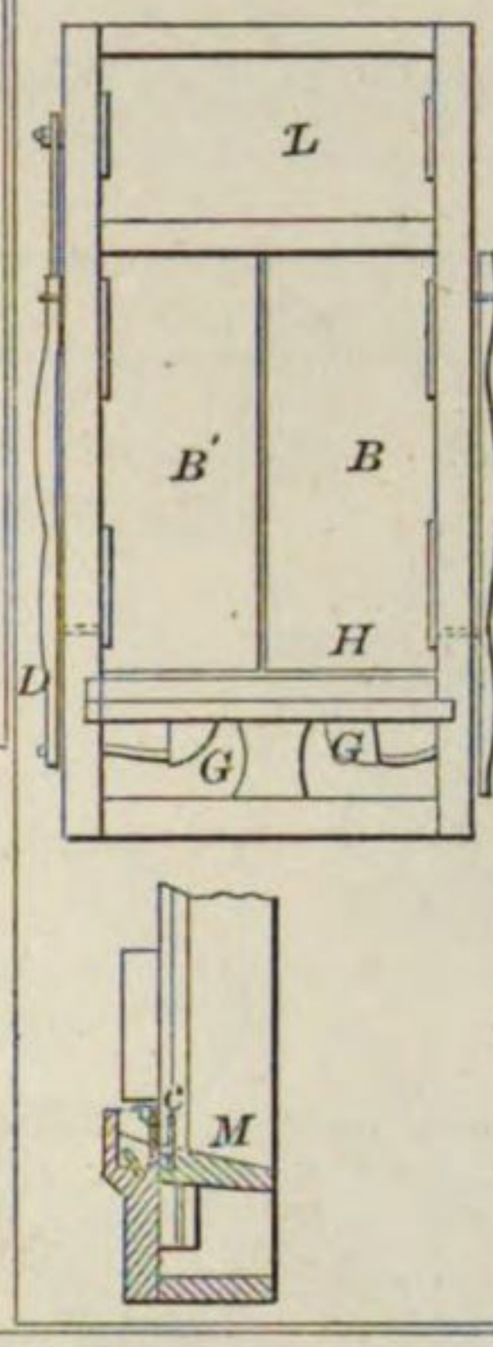


60022—H. L. Lowman—*Die for Forming the Eyes of Pick Axes.*

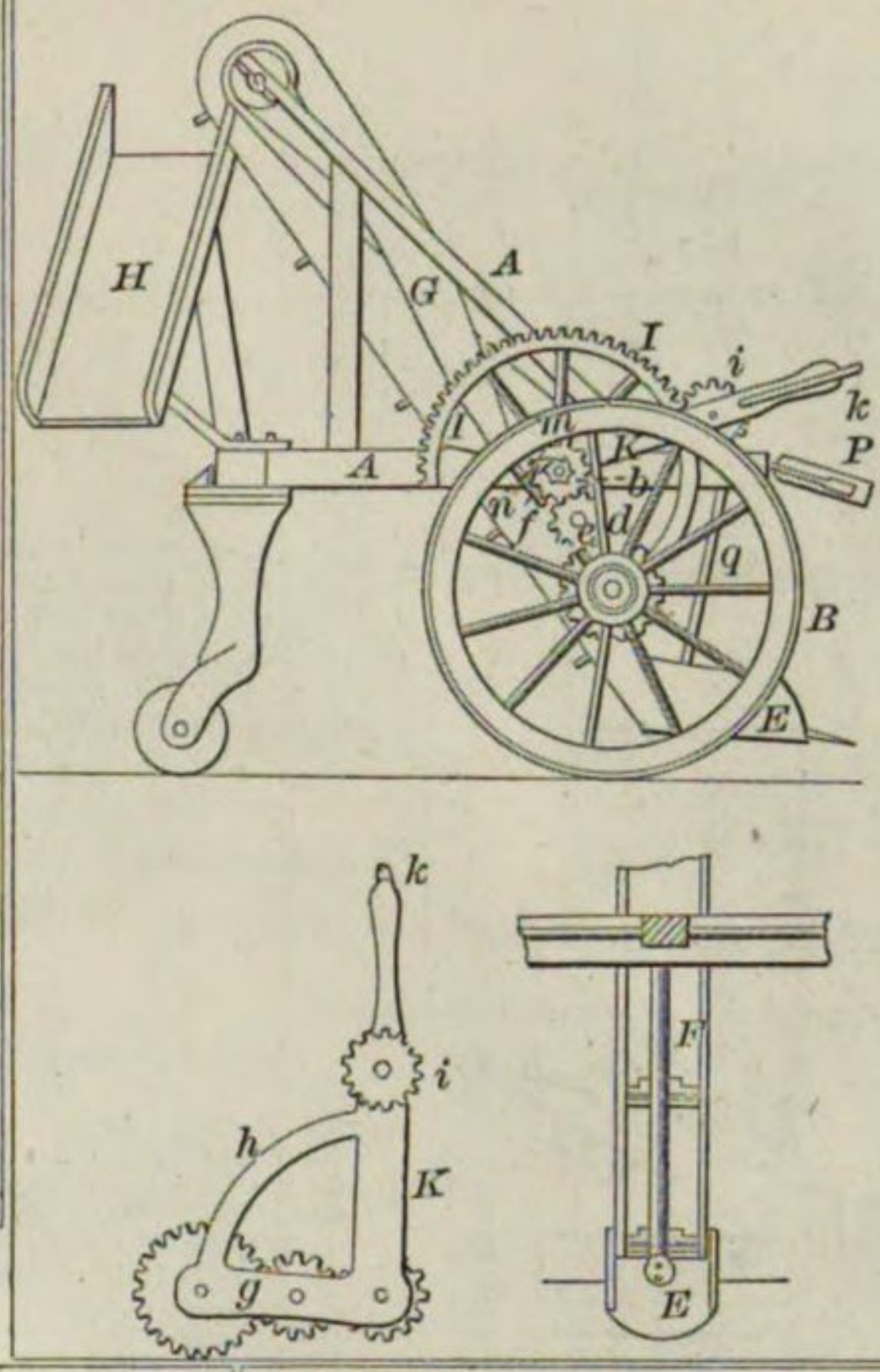


60028—C. E. McDonald—*For Obtaining the Measure for Ladies' Dresses.*

60023—G. H. Lupton—*Hanging Windows and Doors.*

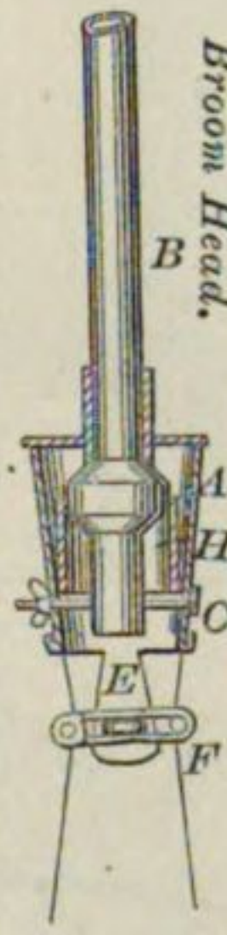


60025—J. H. Marshall—*Ditching Machine.*

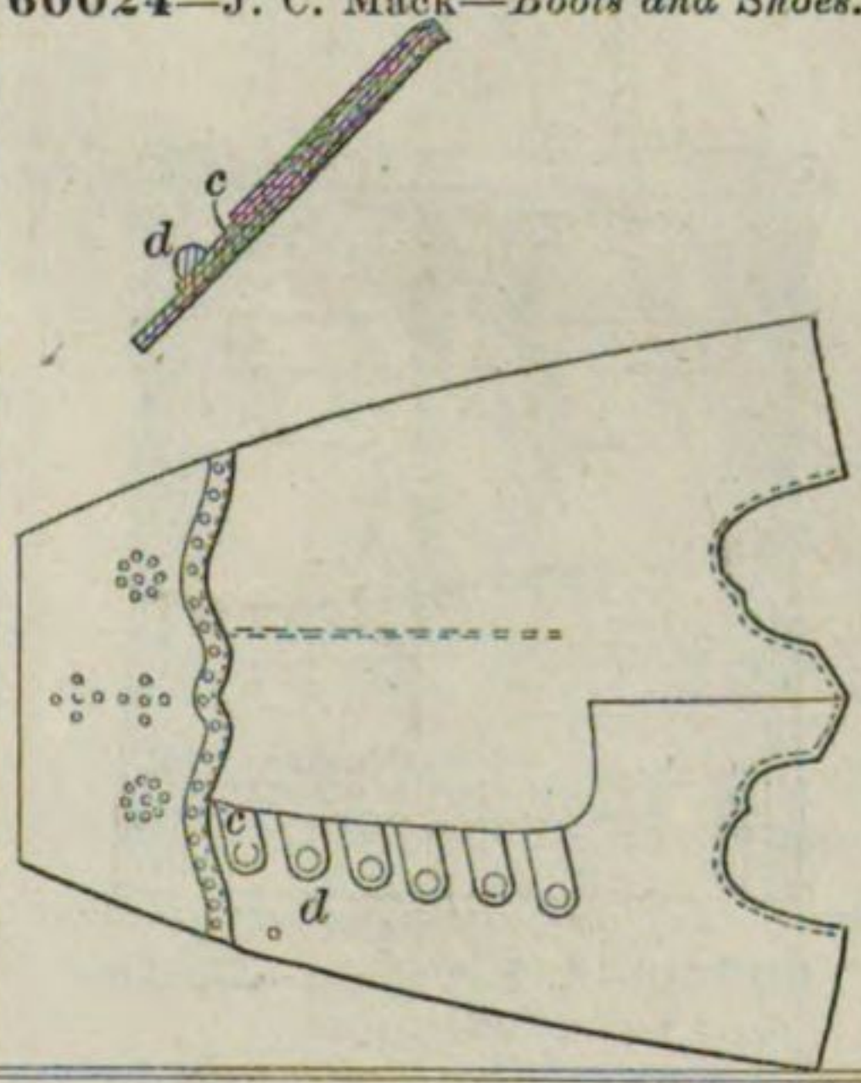


60026—J. B. Martindale—*Hooks and Eyes.*

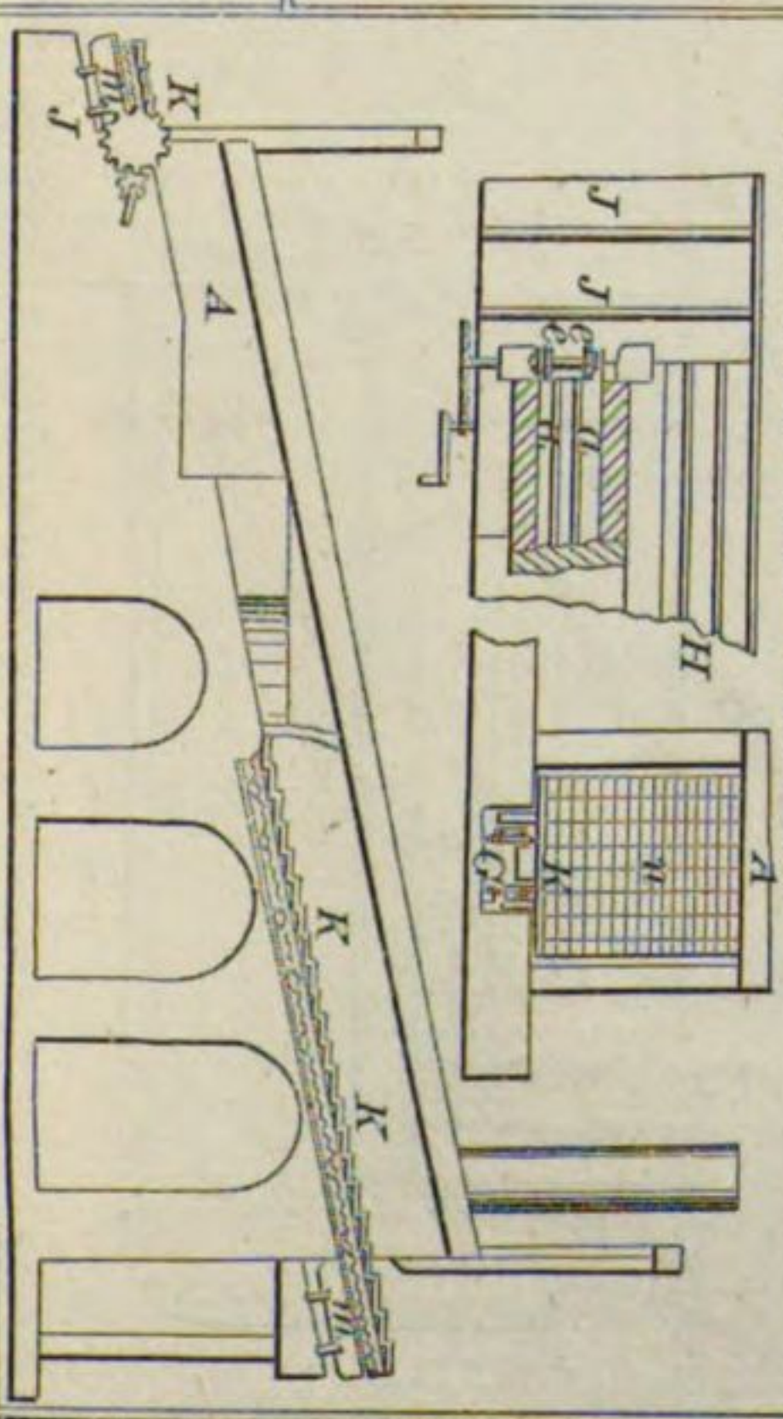
60030—McLelland & Graham—*Broom Head.*



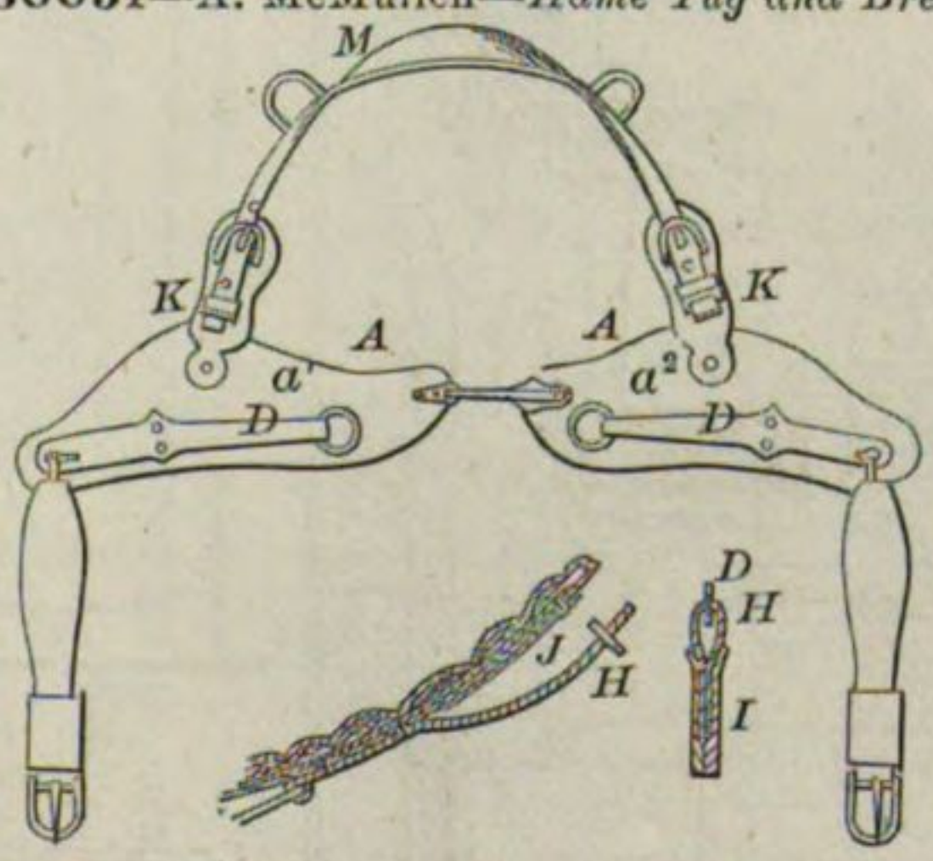
60024—J. C. Mack—*Boots and Shoes.*



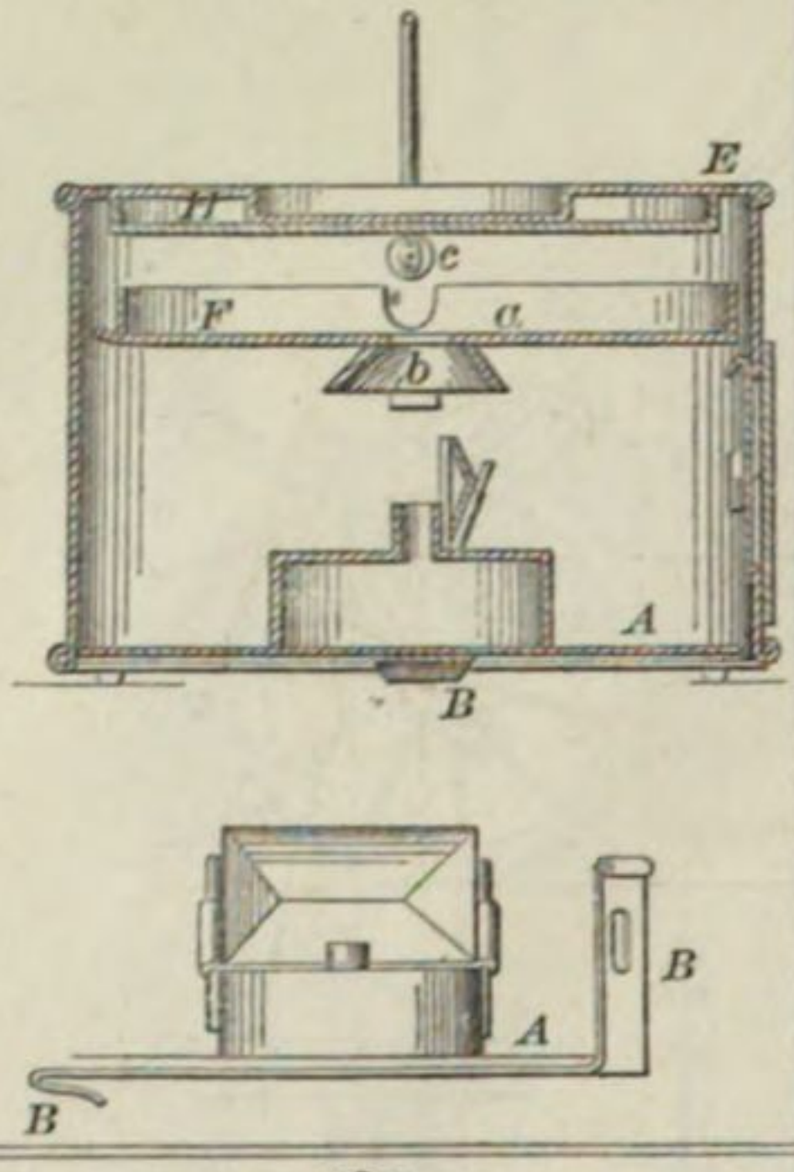
60029—J. McDonald—*Brick Kiln.*



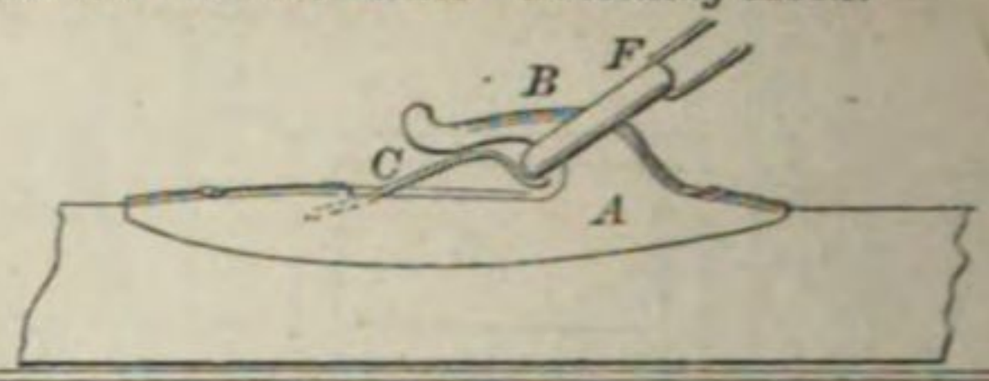
60031—A. McMullen—*Hame Tug and Breast Collar.*



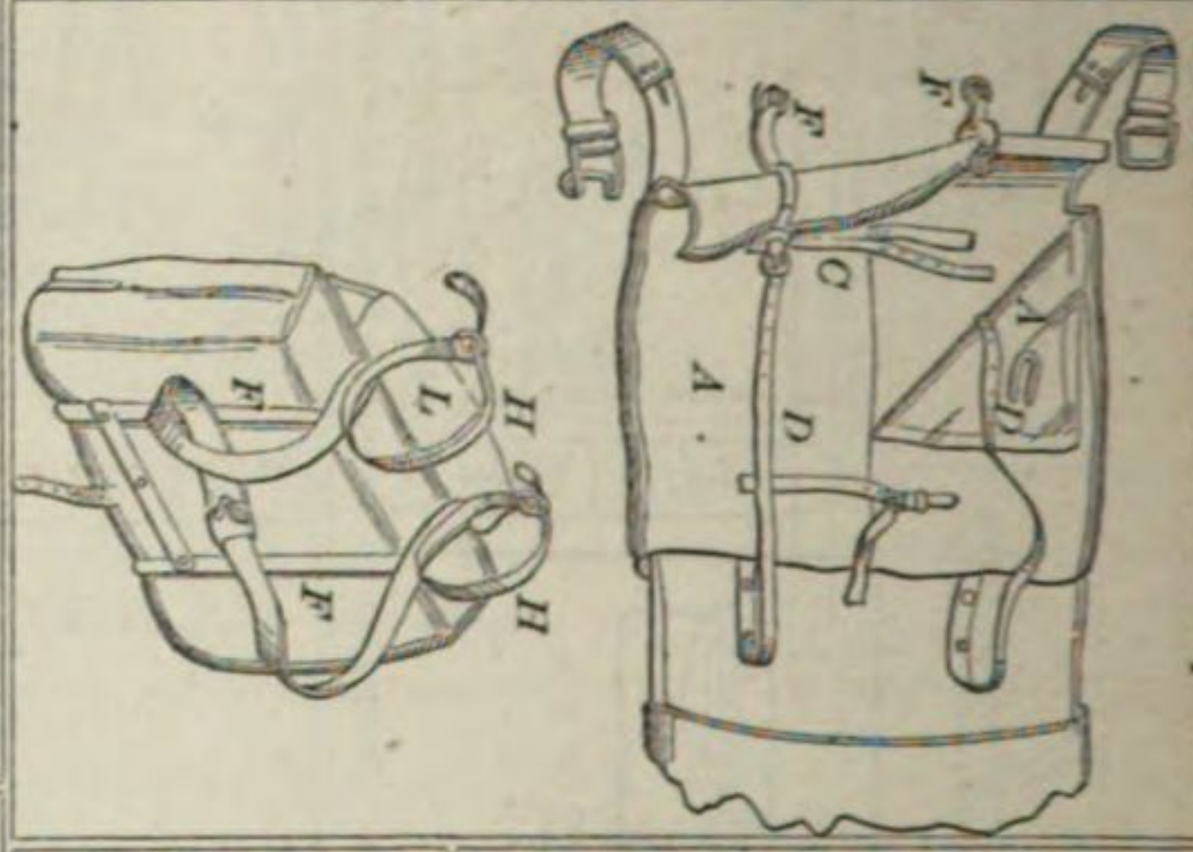
60032—M. Mellinger—*Foot Stove.*



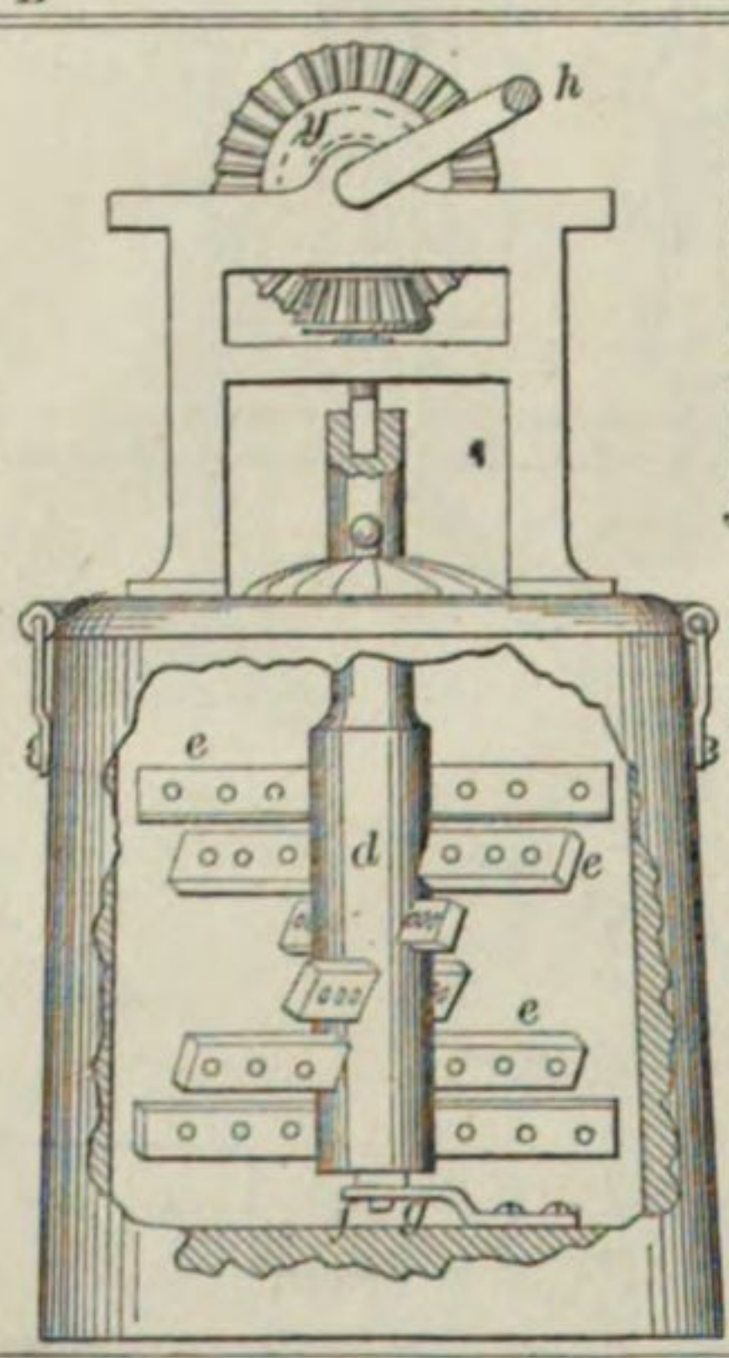
60033—G. W. Miller—*Breeching Hook.*



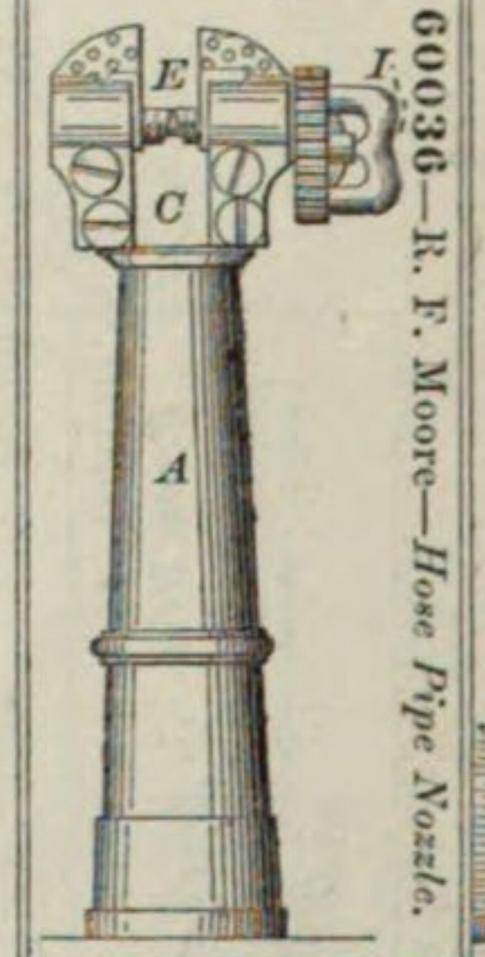
60034—J. K. Mizner—*Knapsack.*



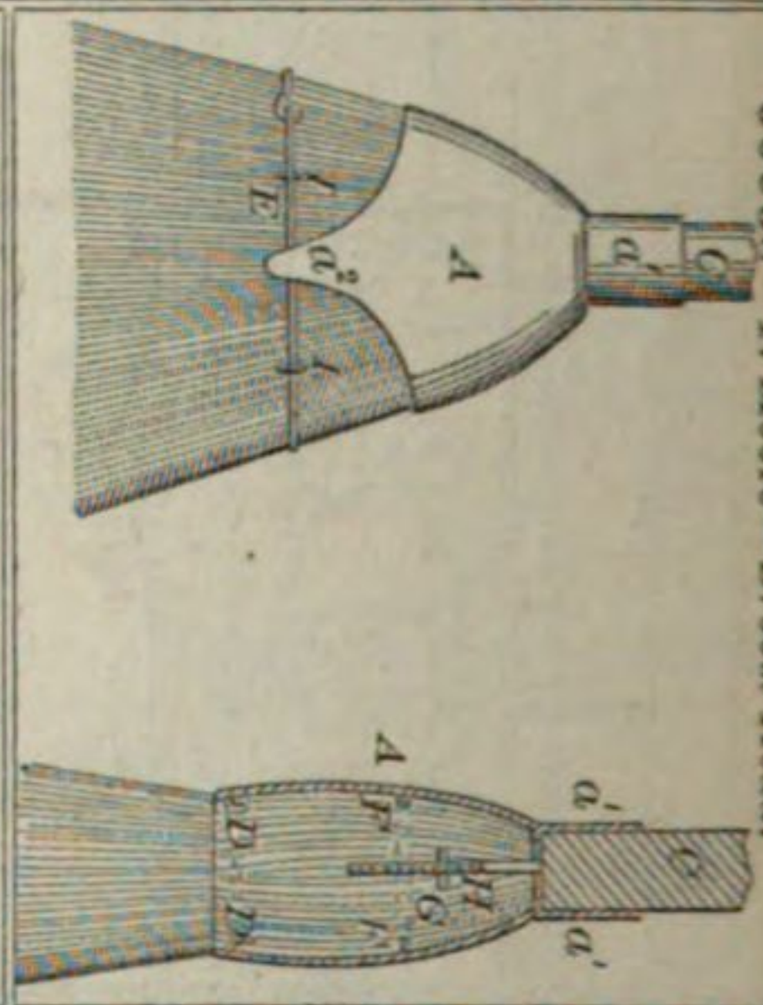
60035—L. Mooney—*Churn.*



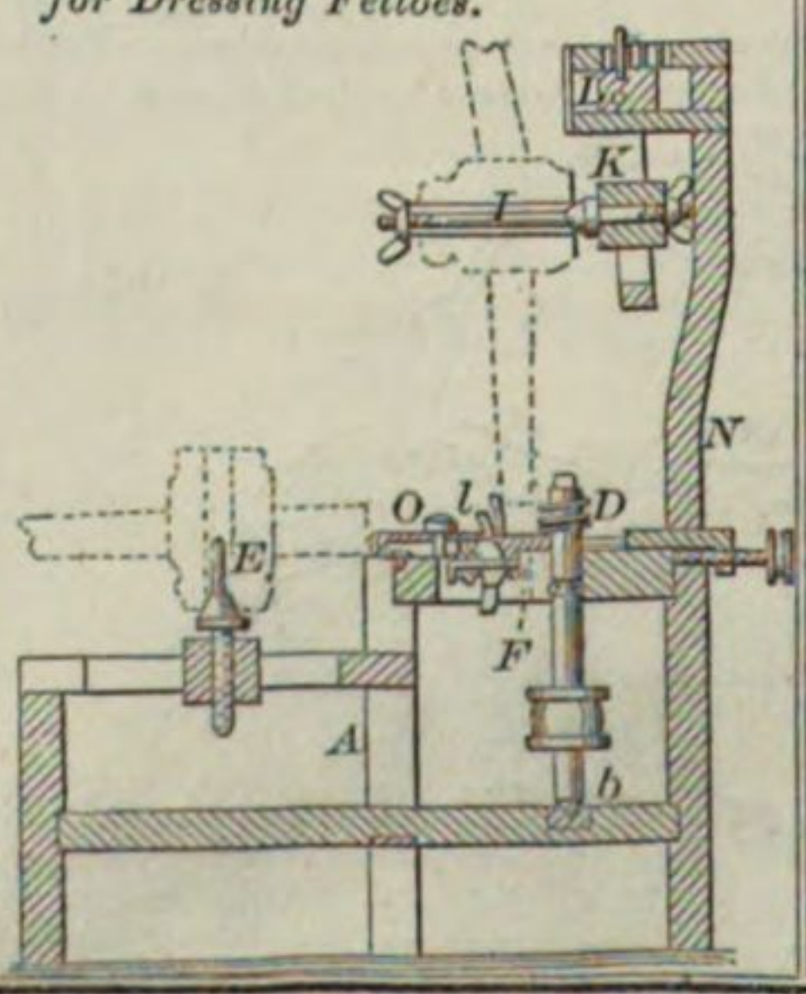
60036—R. F. Moore—*Hose Pipe Nozzle.*



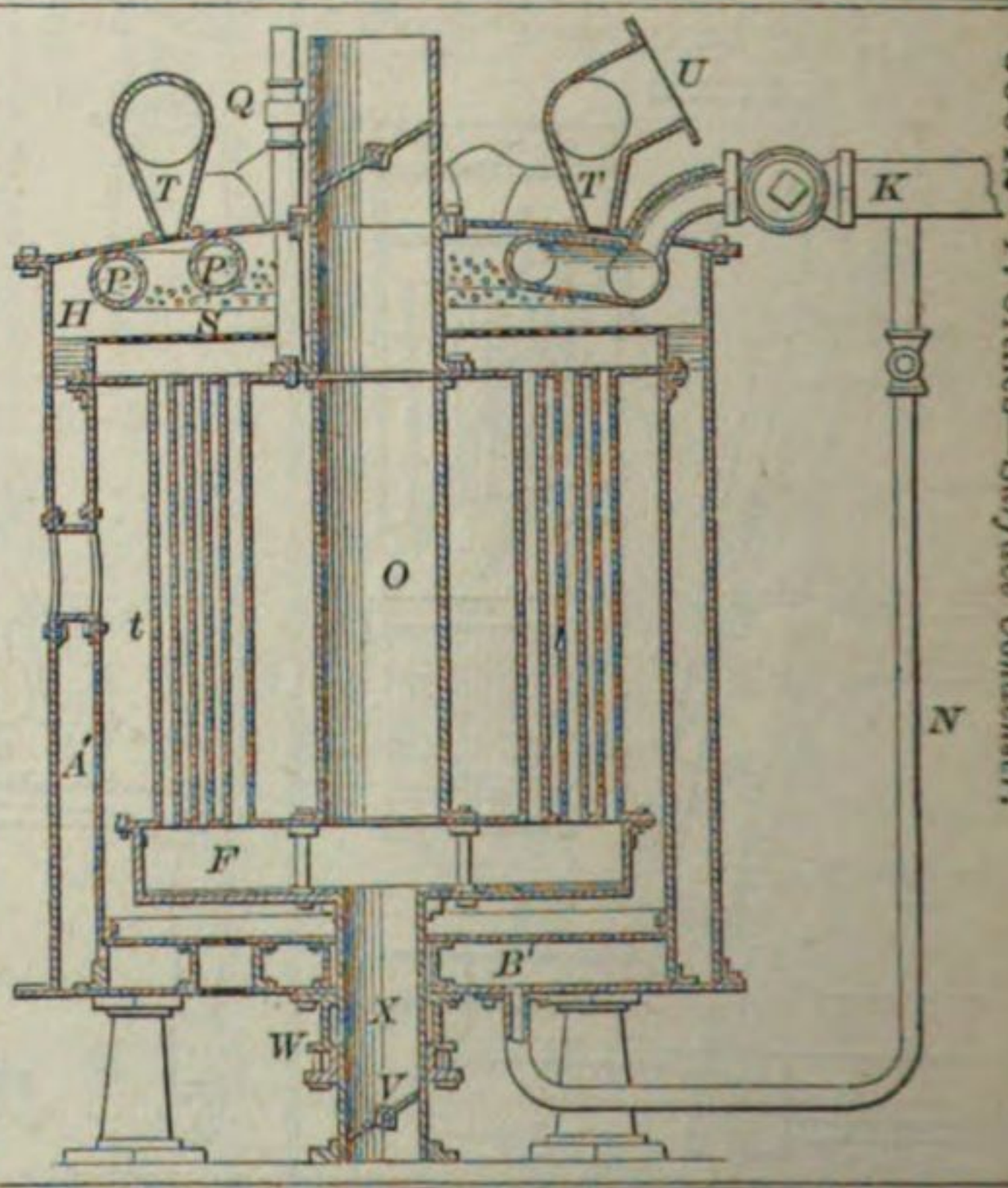
60038—T. Moore—*Broom Head.*



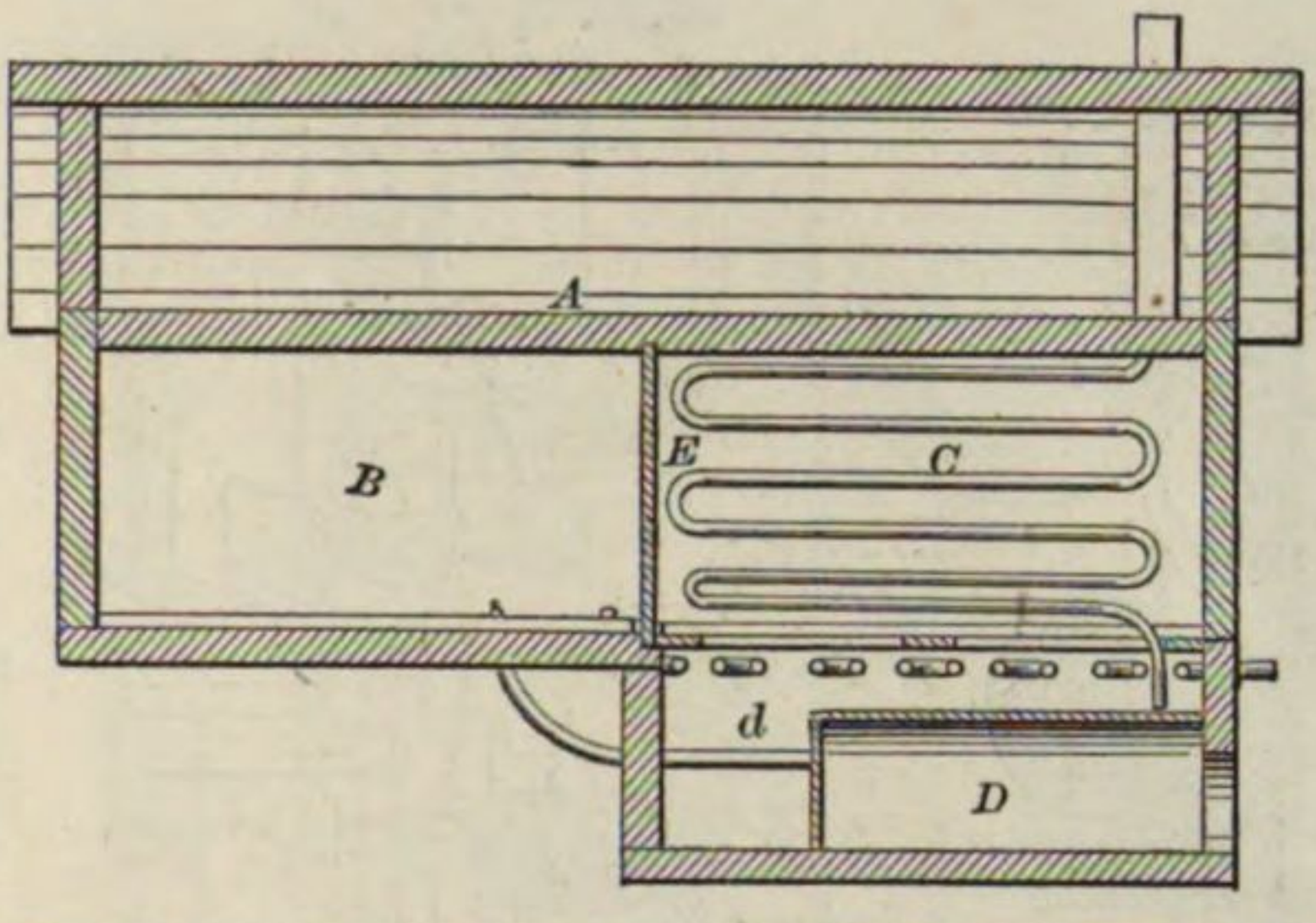
60040—A. P. Odholm—*Machine for Dressing Felloes.*



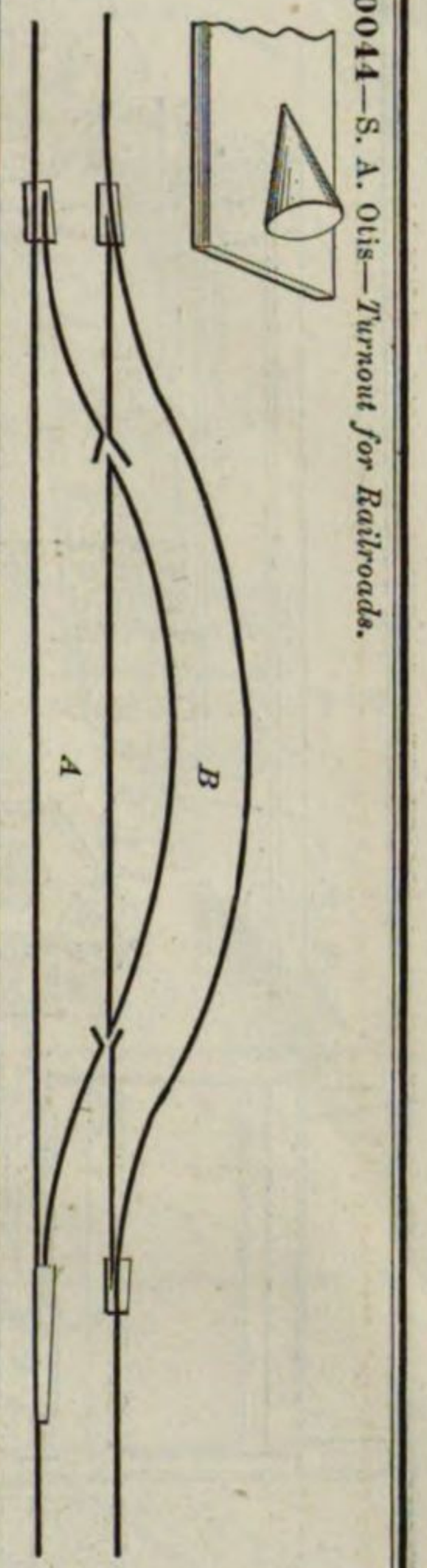
60042—F. Ortlieb—*Surface Condenser.*



60043—J. H. Osgood, Jr.—*For Drying Lumber.*

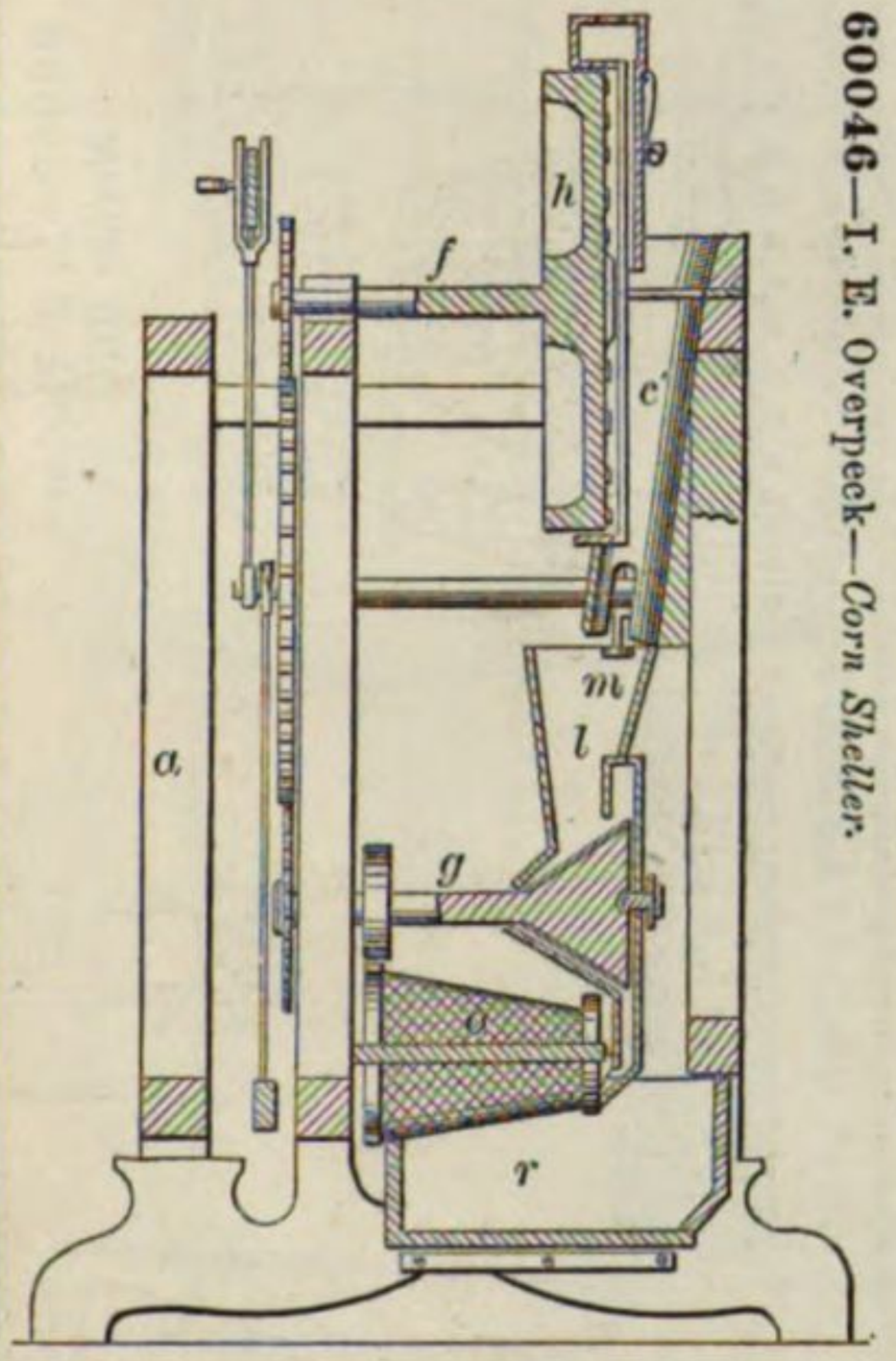


60044—S. A. Otis—*Turnout for Railroads.*

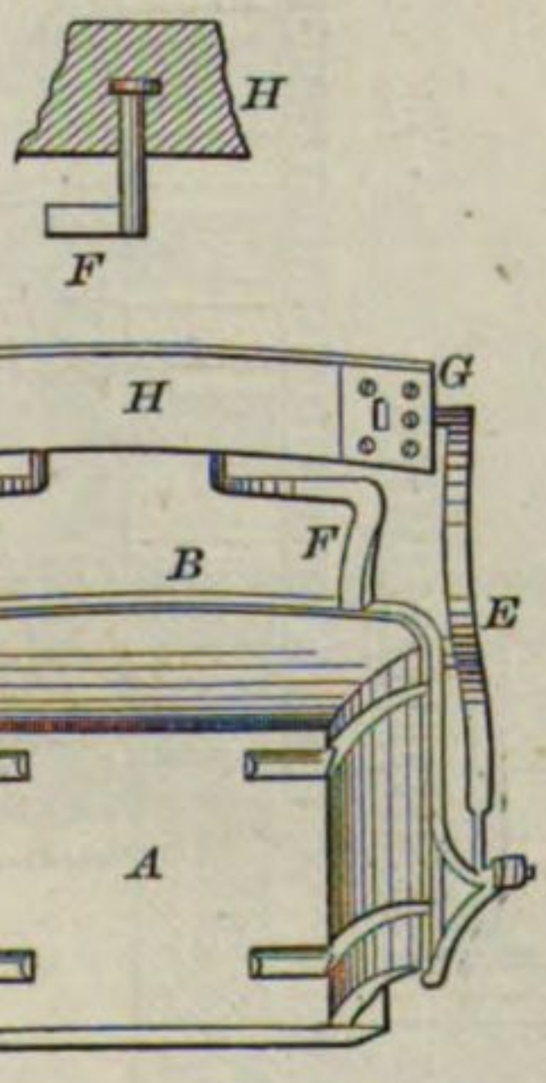


60045—A. W. Overbaugh—*Slate Cleaner.*

60046—I. E. Overpeck—*Corn Sheller.*

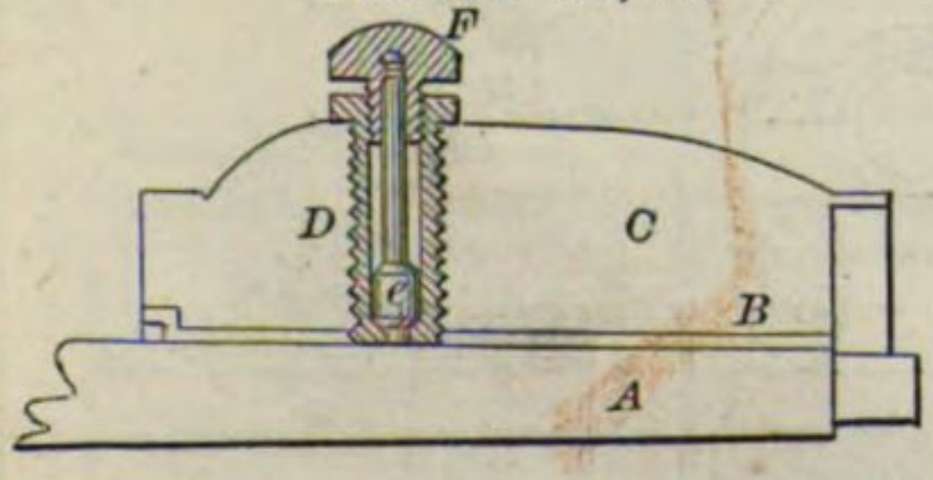


60047—L. E. Page—*Back for Vehicles.*

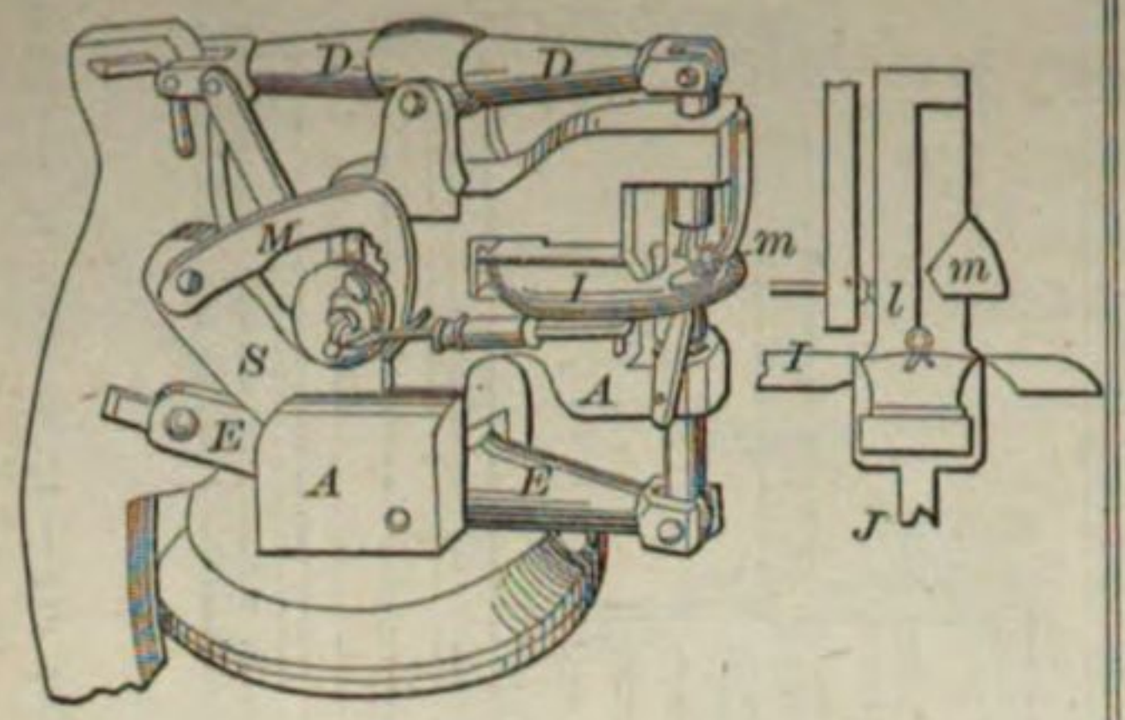


60048—G. Parr—*Manufacture of Cutlery.*

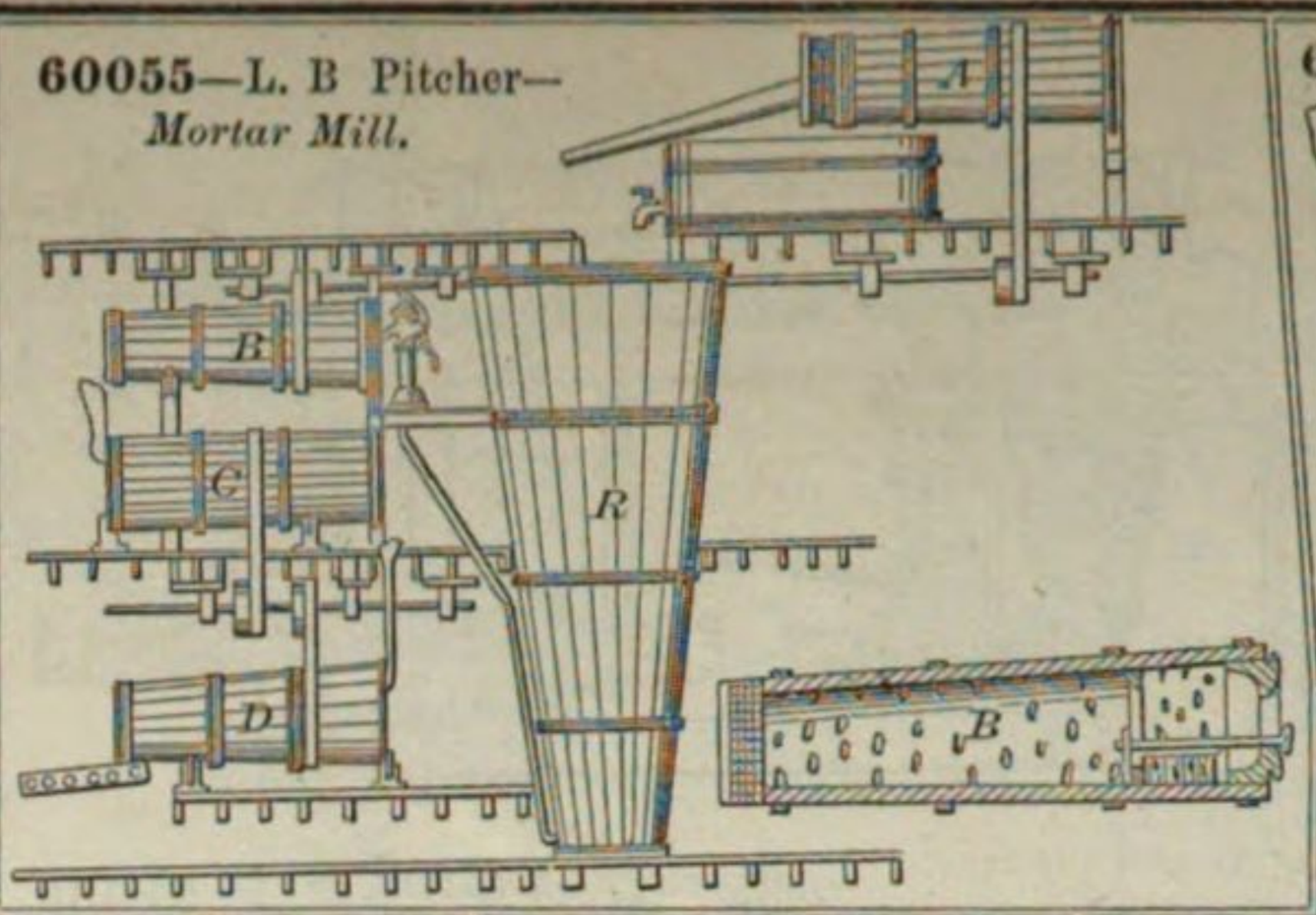
60049—G. W. Parsons—*For Lubricating Axle Journals, &c.*



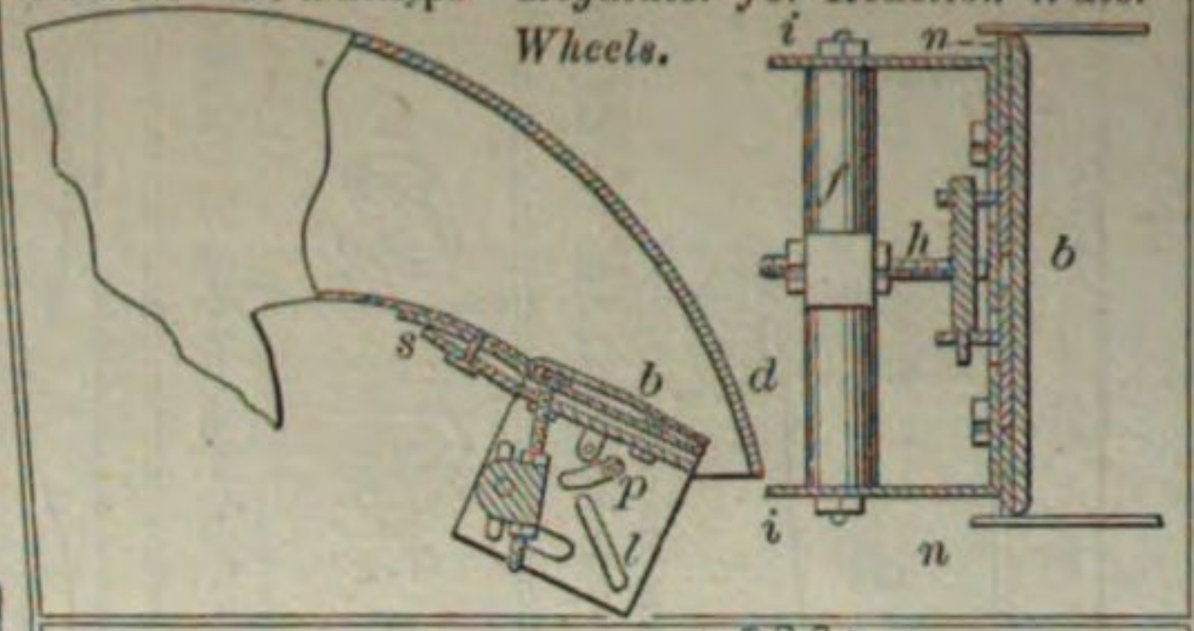
60053—L. D. Phillips—*For Making Buttons.*



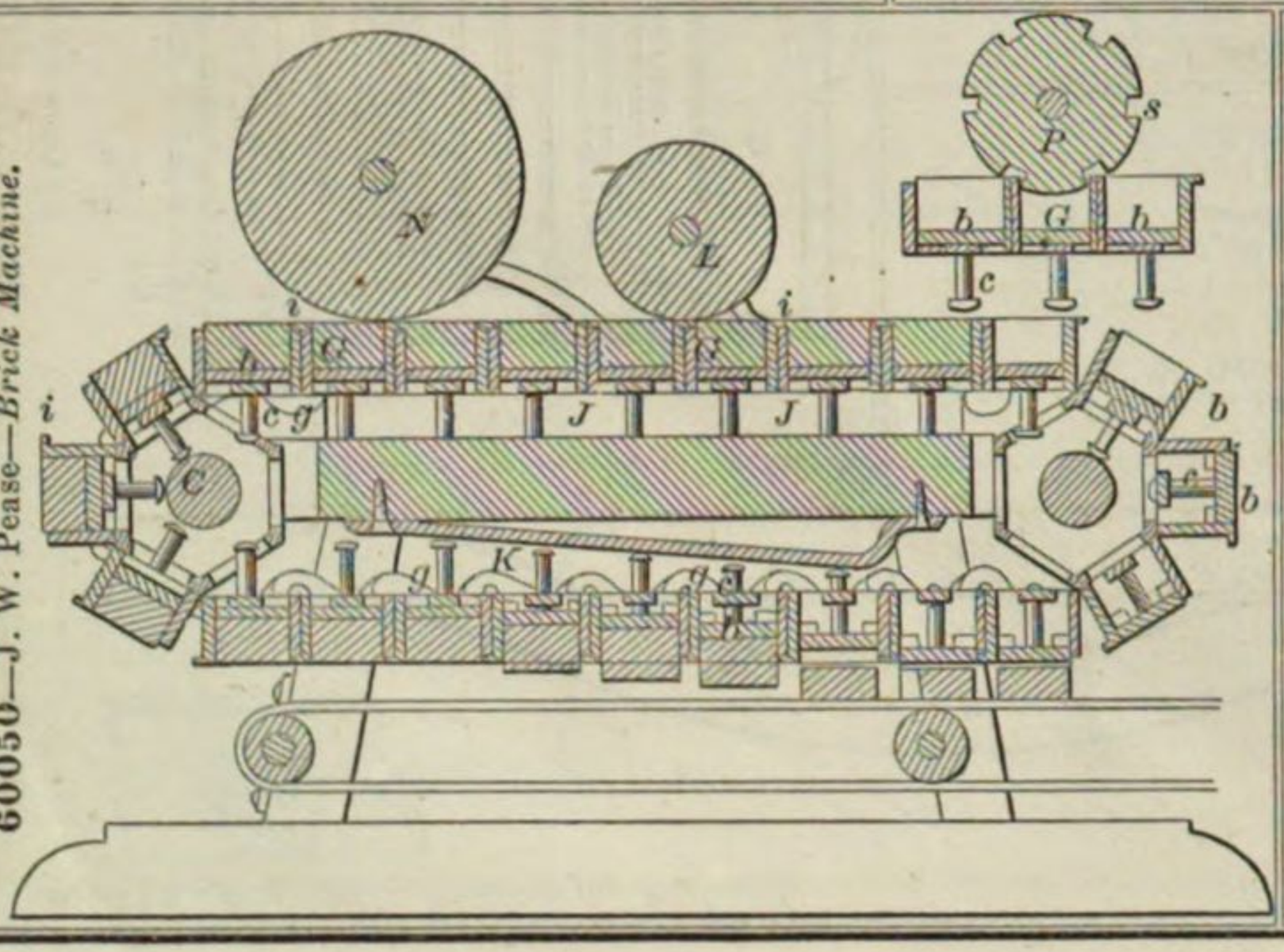
60055—L. B Pitcher—*Mortar Mill.*



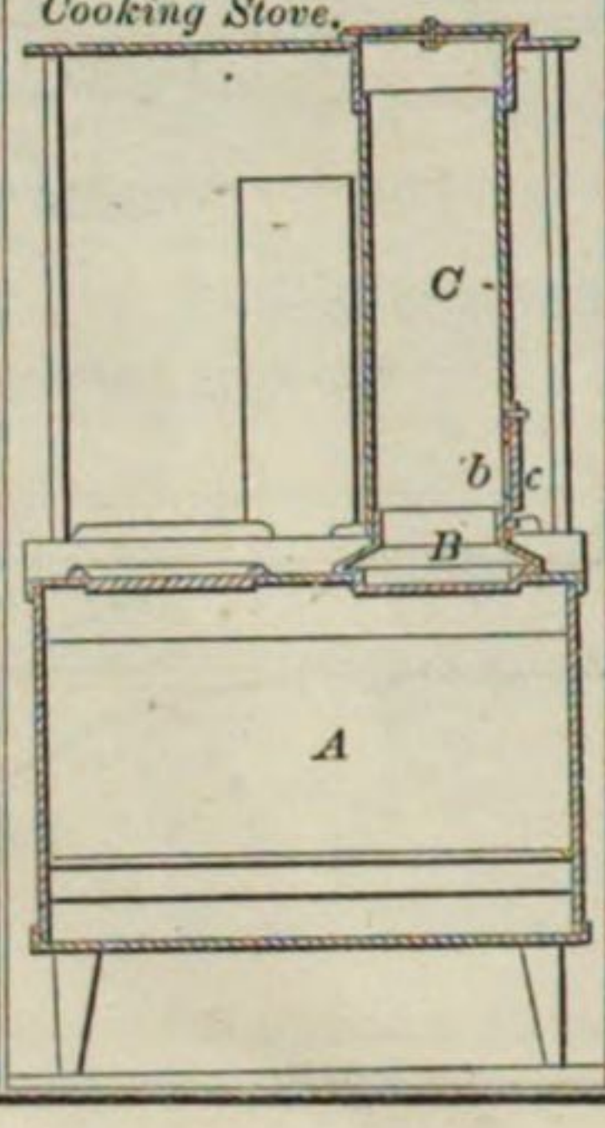
60052—D. Philljps—*Regulator for Reaction Water Wheels.*



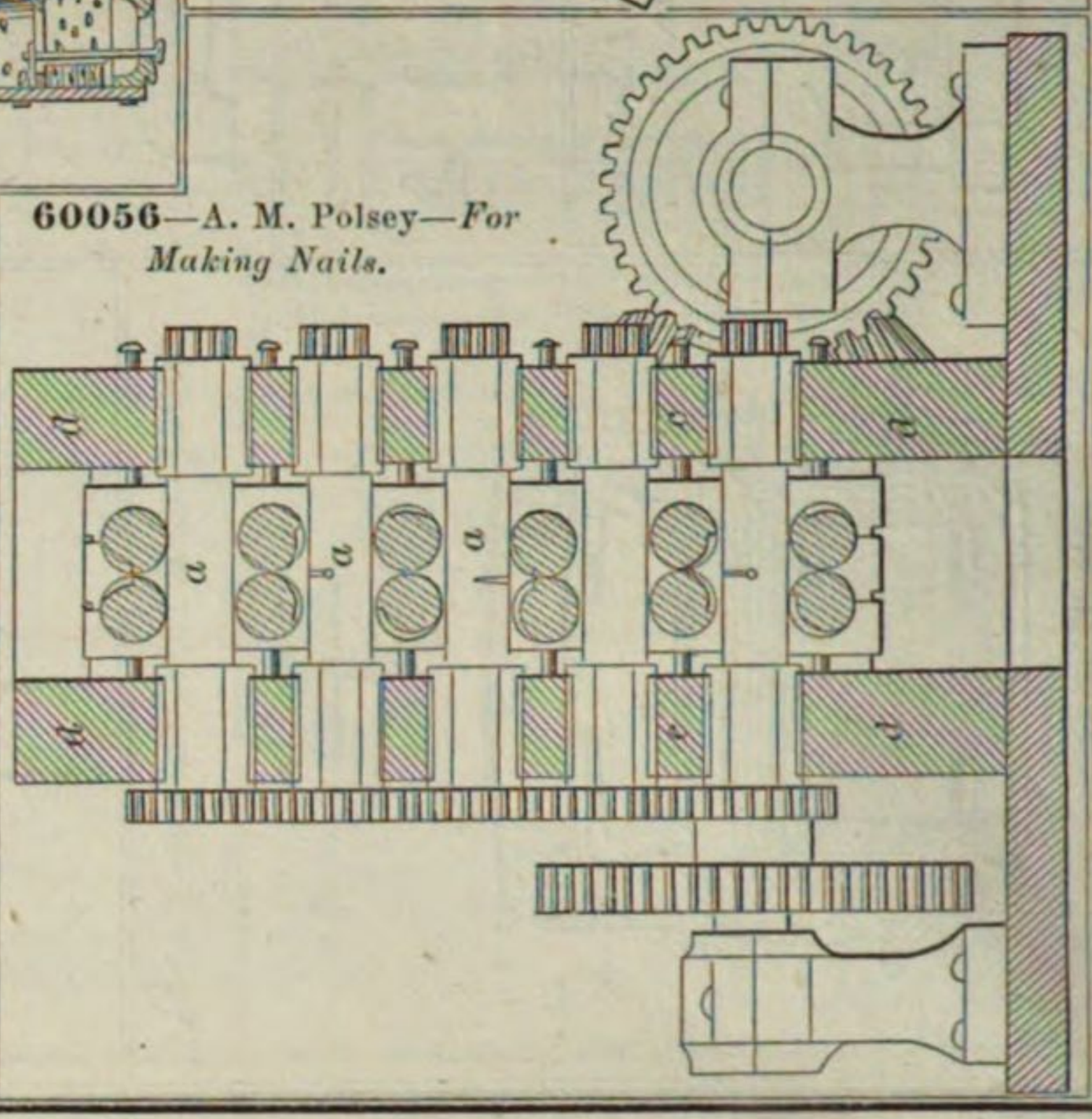
60050—J. W. Pease—*Brick Machine.*



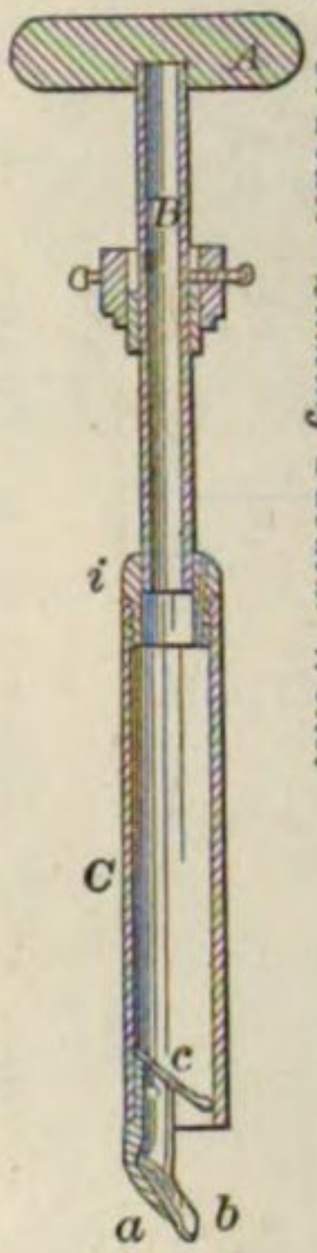
60054—S. G. Piper—*Cooking Stove.*



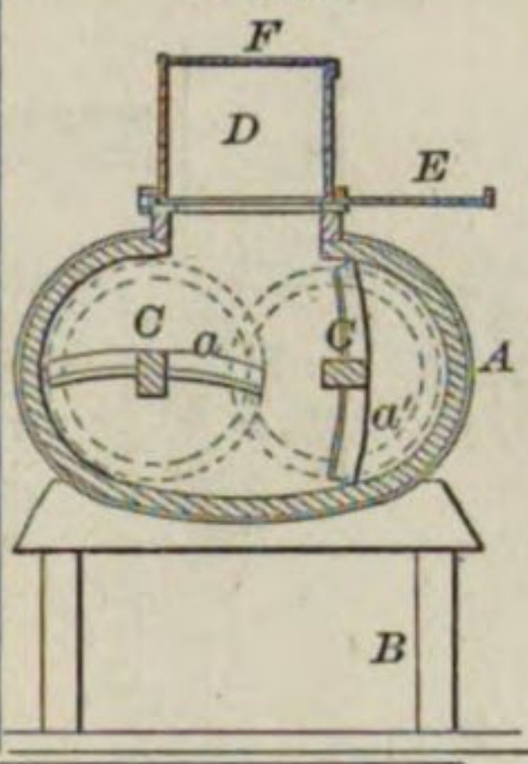
60056—A. M. Polsey—*For Making Nails.*



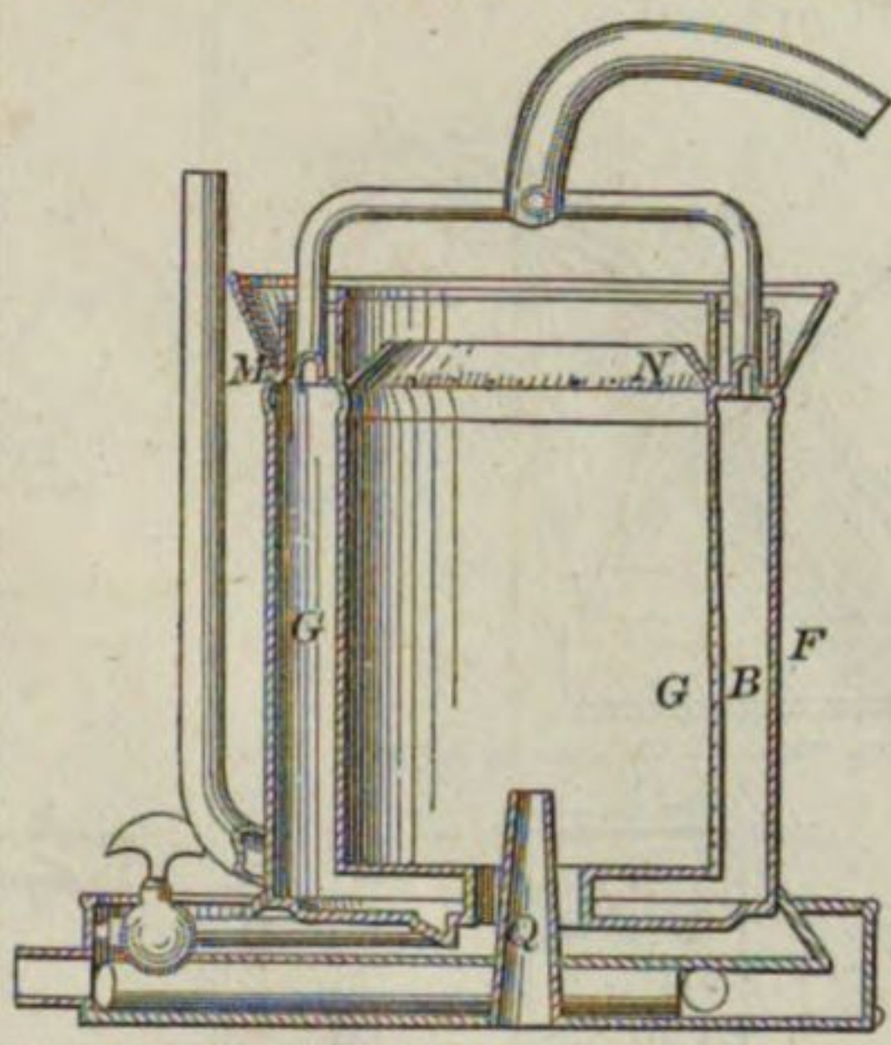
60057—O. Pratt—*Sinking Tubular Wells.*



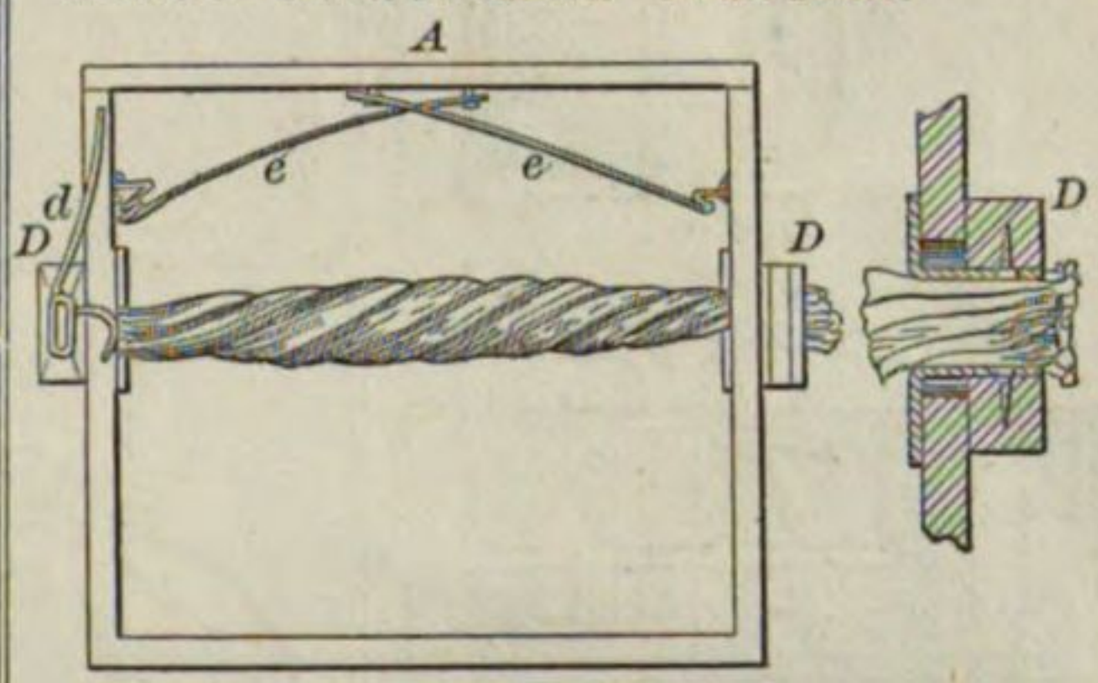
60058—J. K. Reiner—*Churn.*



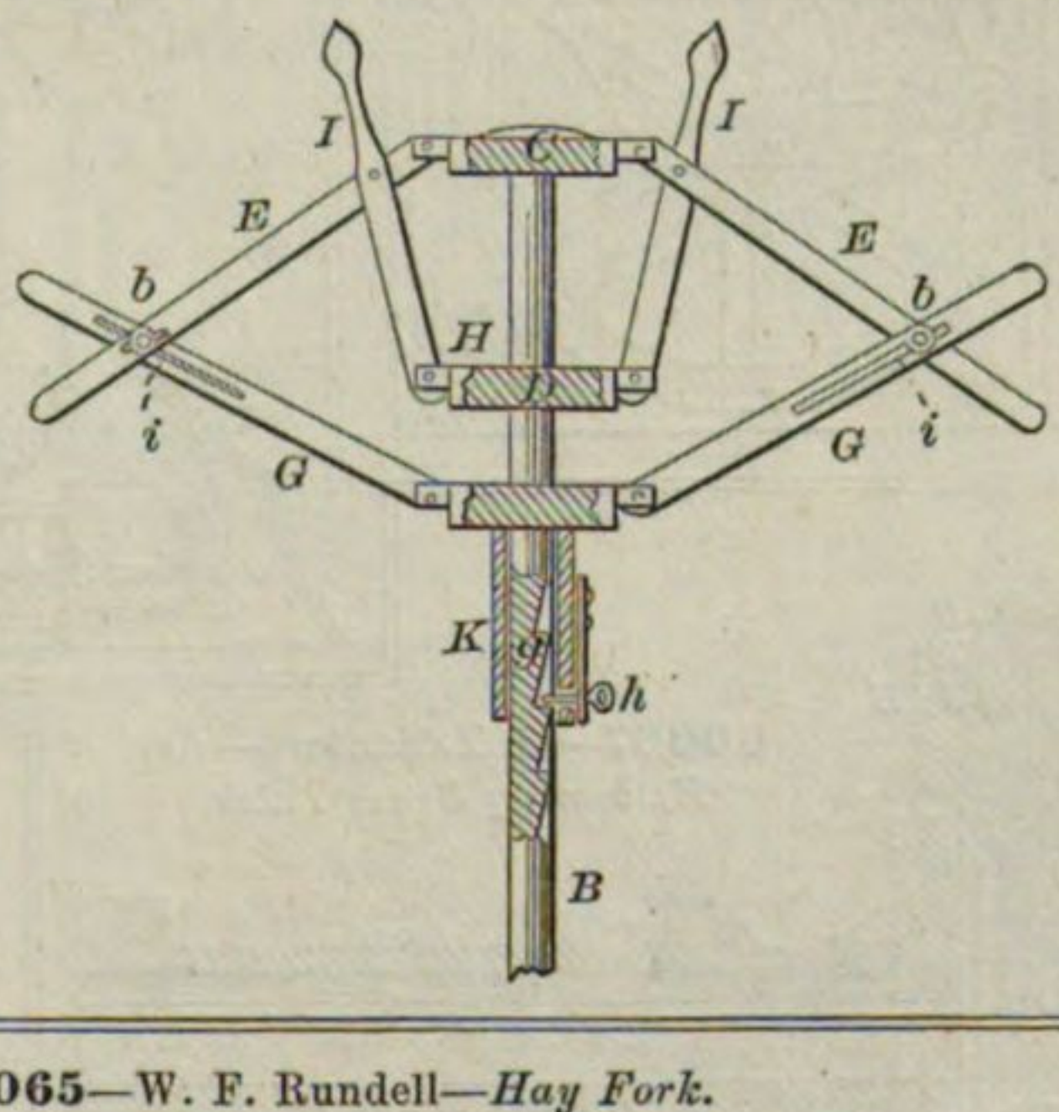
60059—H. Rensch—*For Cooling Beer.*



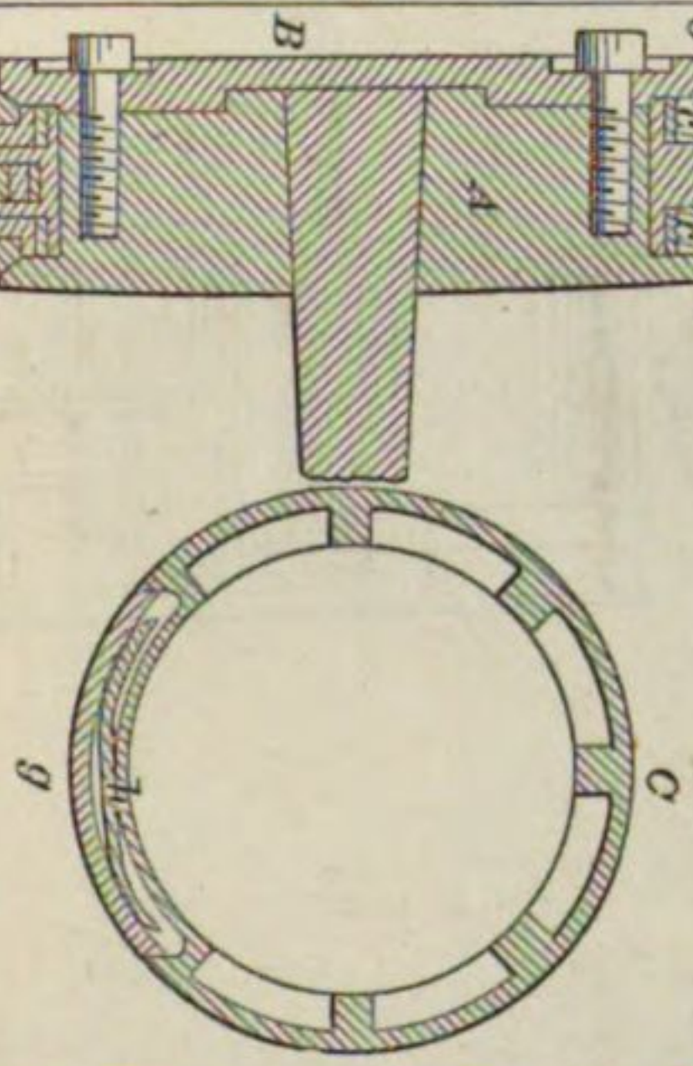
60060—D. T. Robinson—*Fruit Press.*



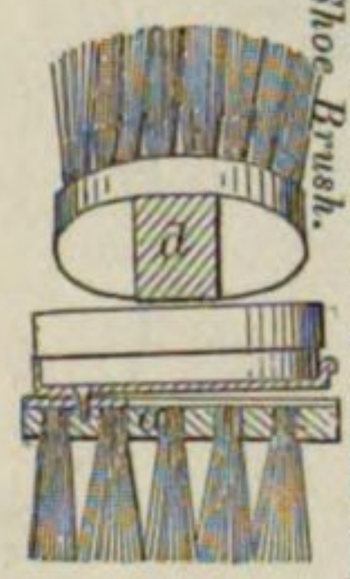
60061—Rohm & Guetlich—*Reel.*



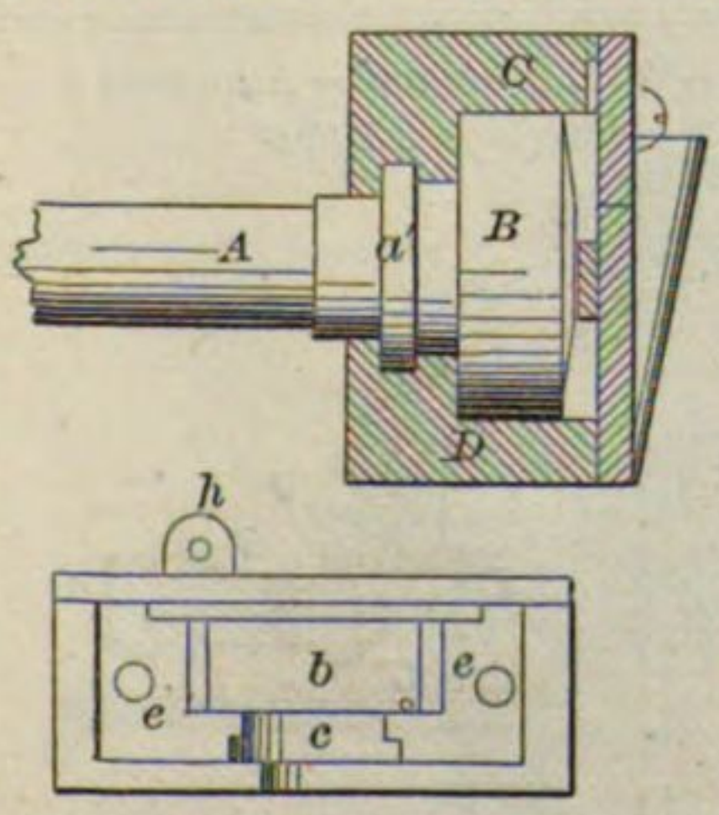
60062—F. J. Roth—*Piston Packing.*



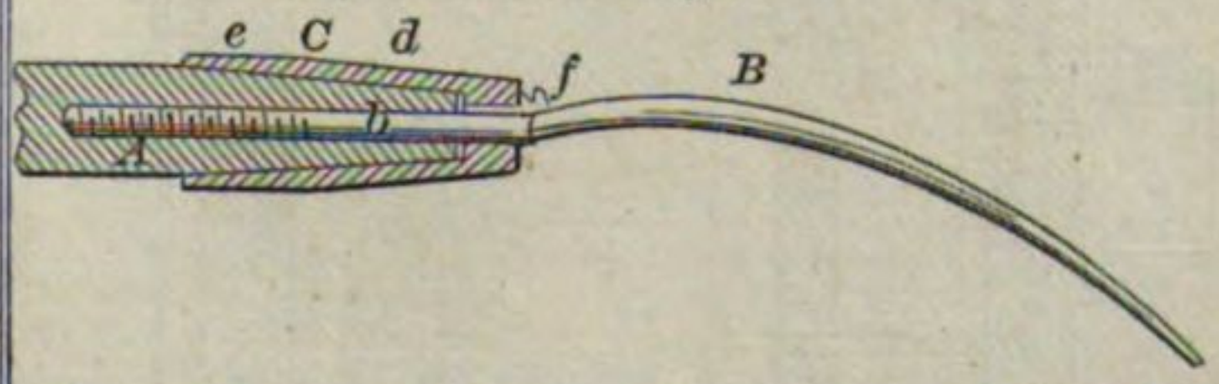
60063—E. A. G. Roulstone—*Shoe Brush.*



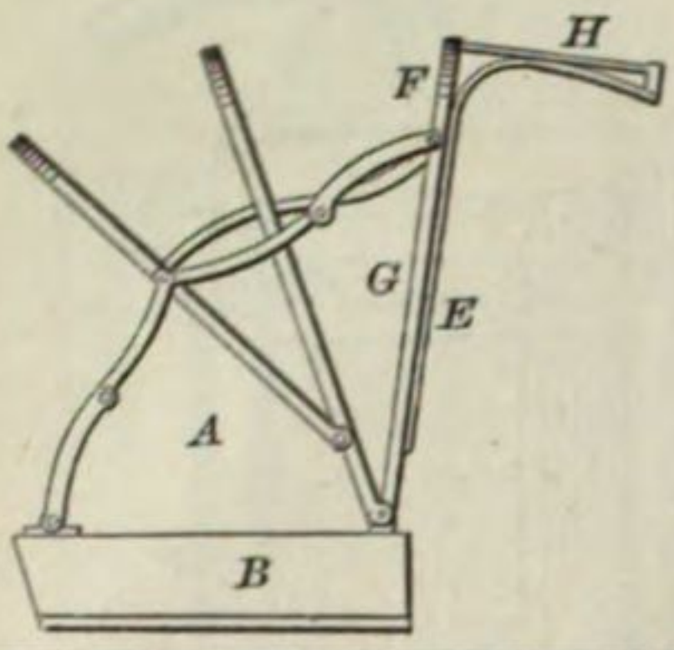
60064—H. B. Rowley—*Axle Box.*



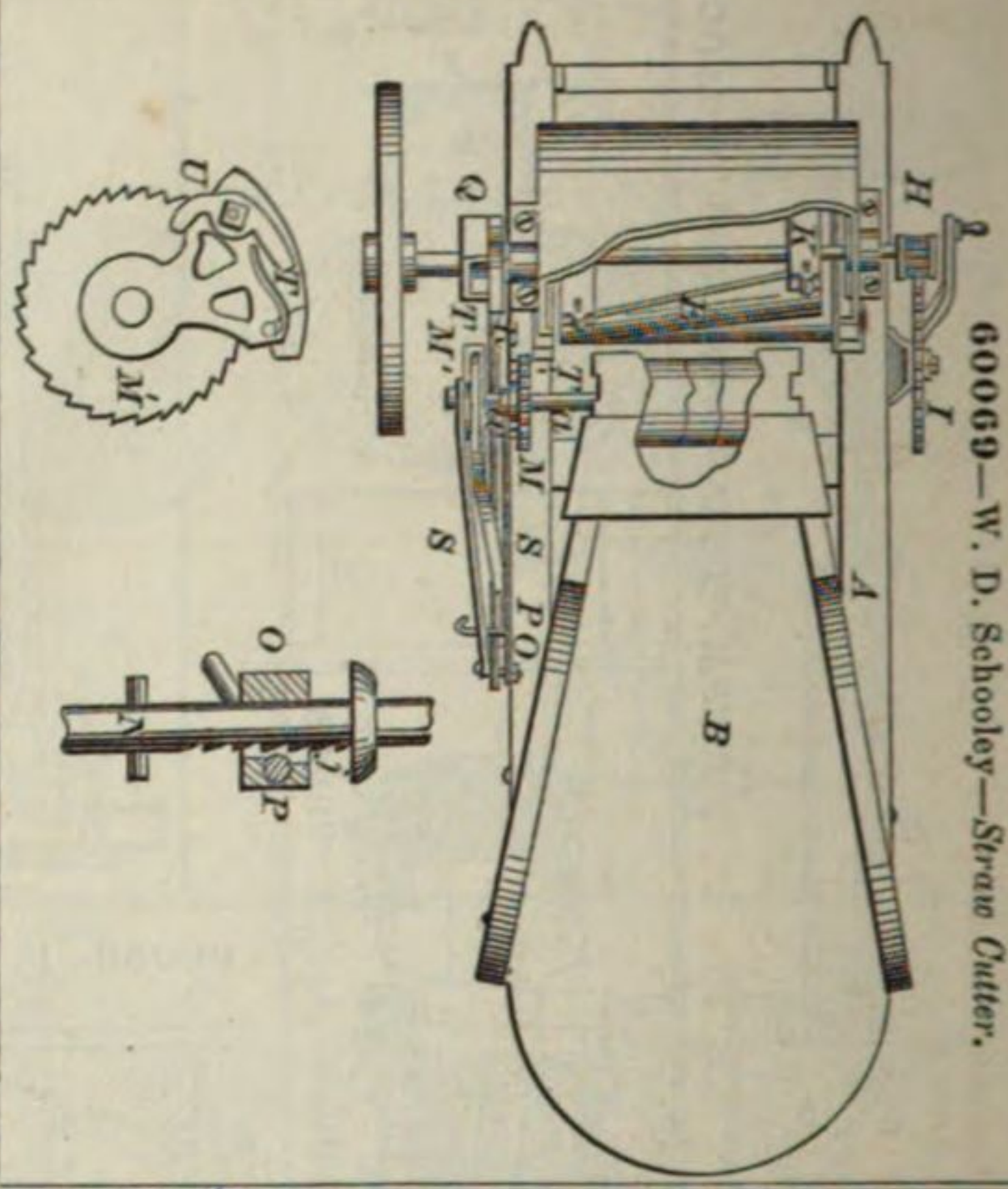
60065—W. F. Rundell—*Hay Fork.*



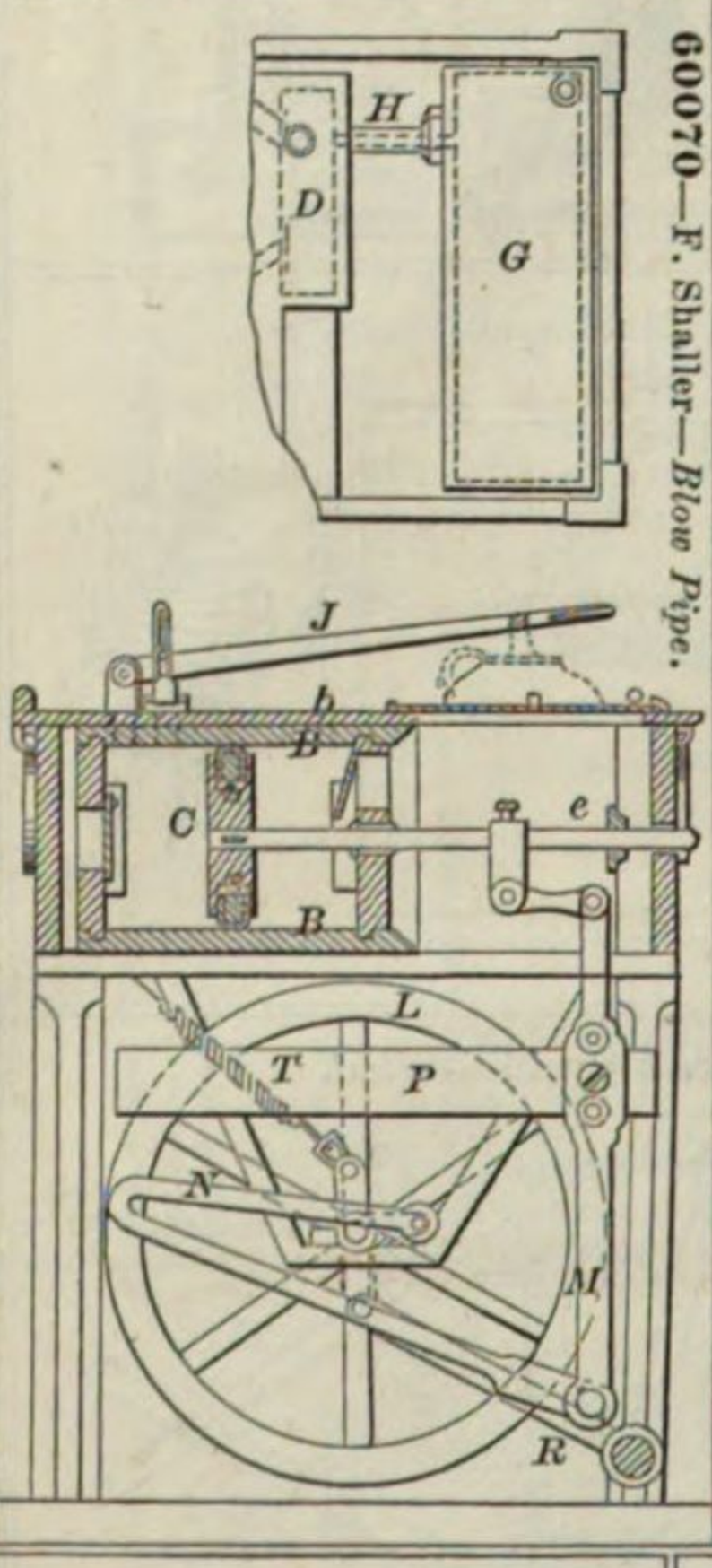
60066—W. F. Rundell—
Carriage Top.



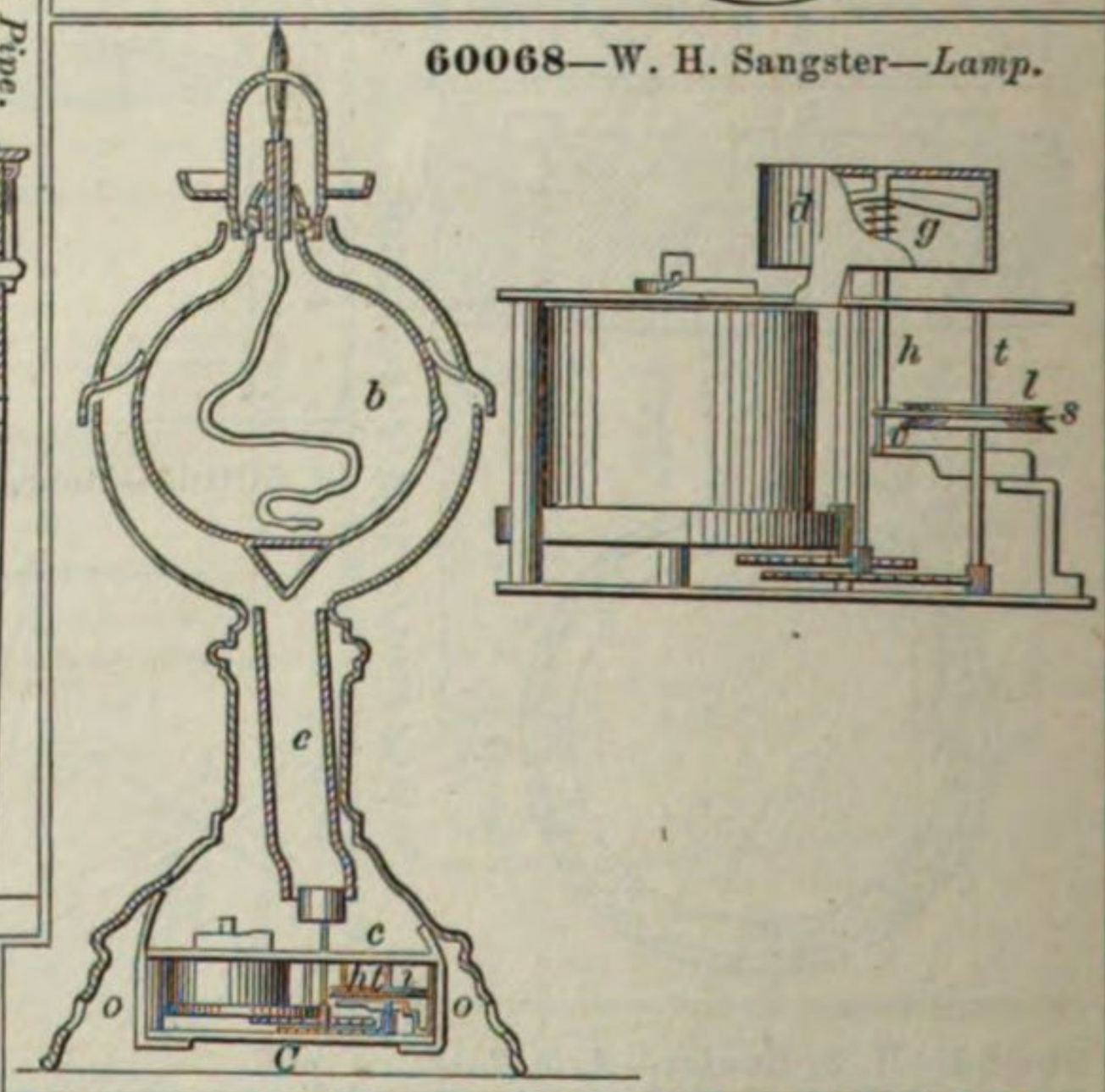
60069—W. D. Schooley—*Straw Cutter.*



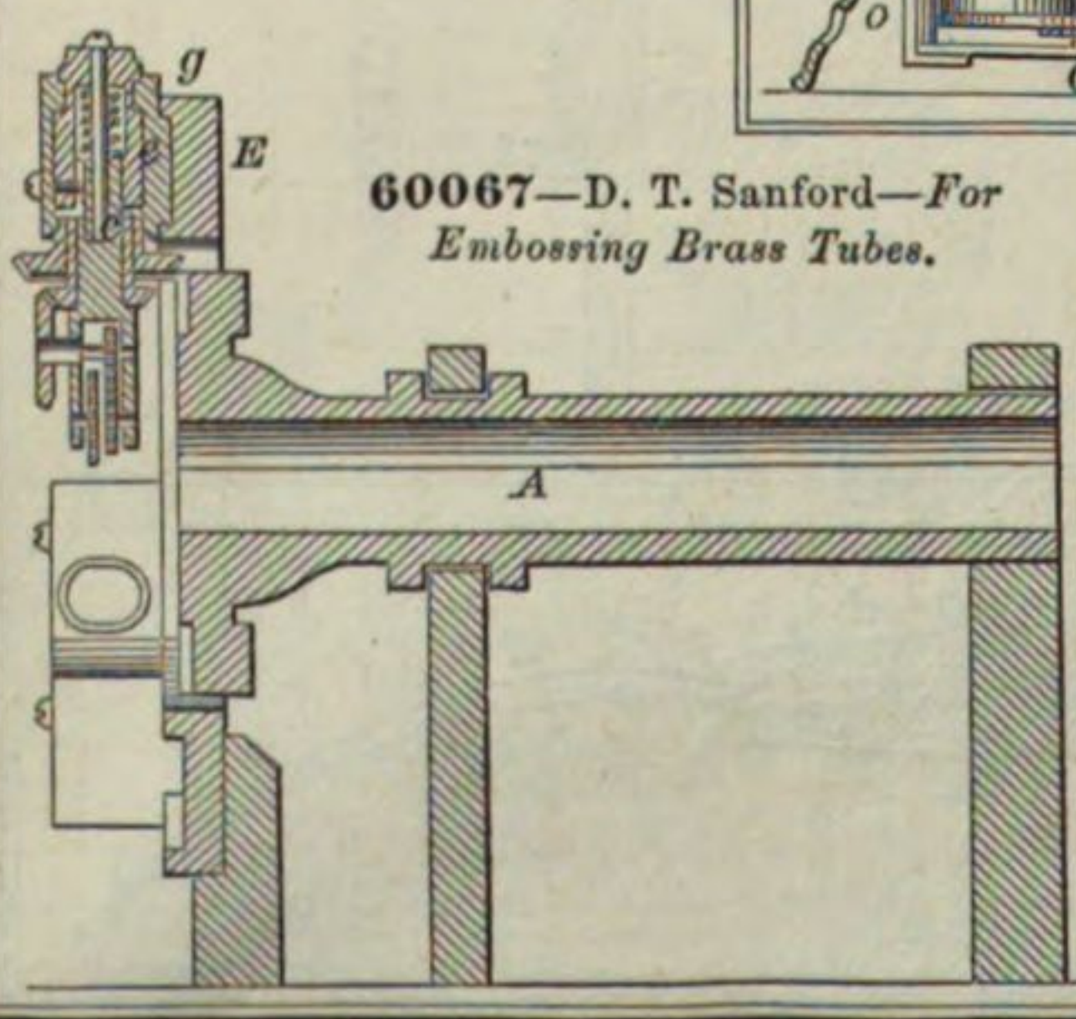
60070—F. Shaller—*Blow Pipe.*



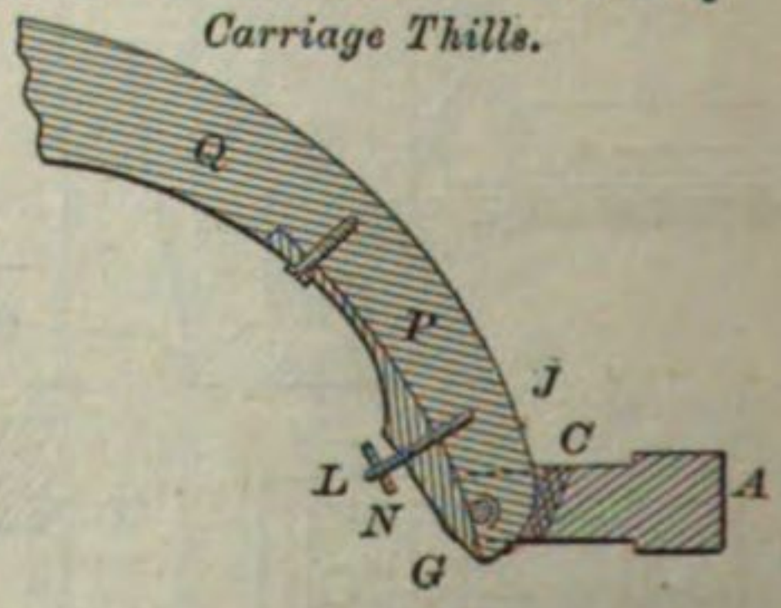
60068—W. H. Sangster—*Lamp.*



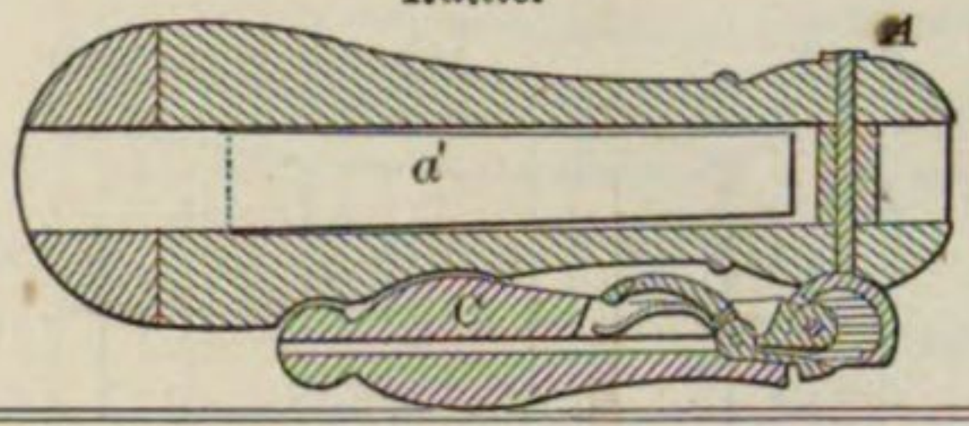
60067—D. T. Sanford—*For Embossing Brass Tubes.*



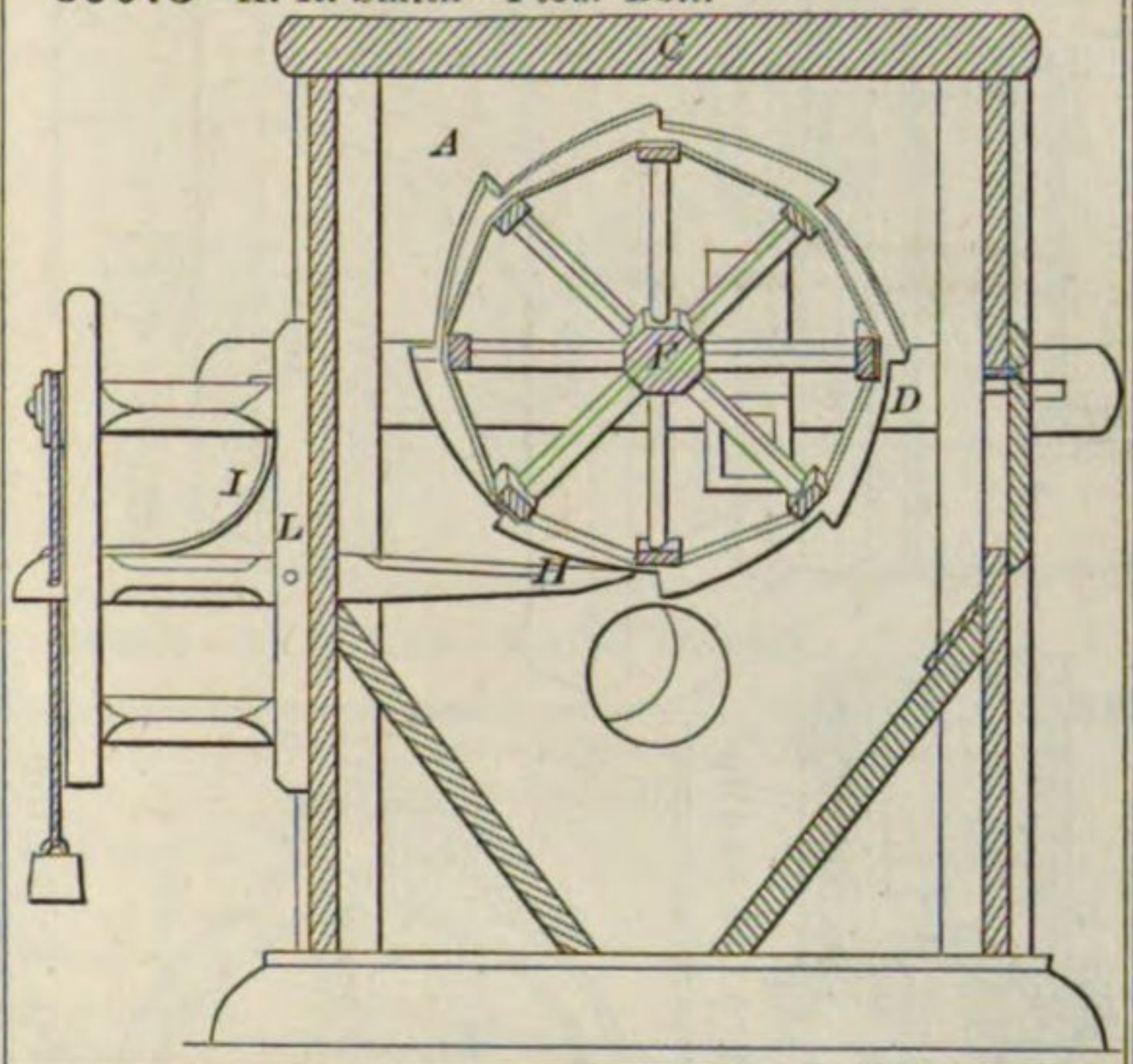
60071—W. C. Sherman—*Attaching Carriage Thills.*



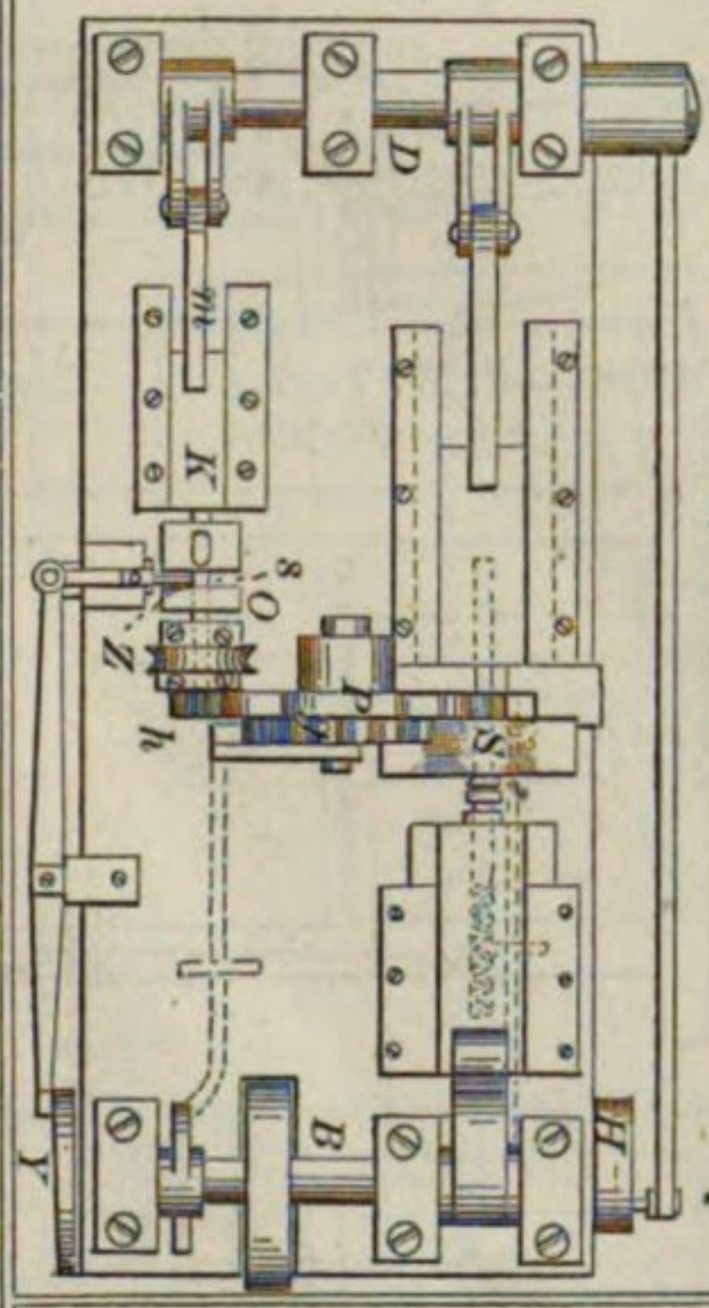
60072—Smiley, Becher & Townsend—*Policeman's Rattle.*



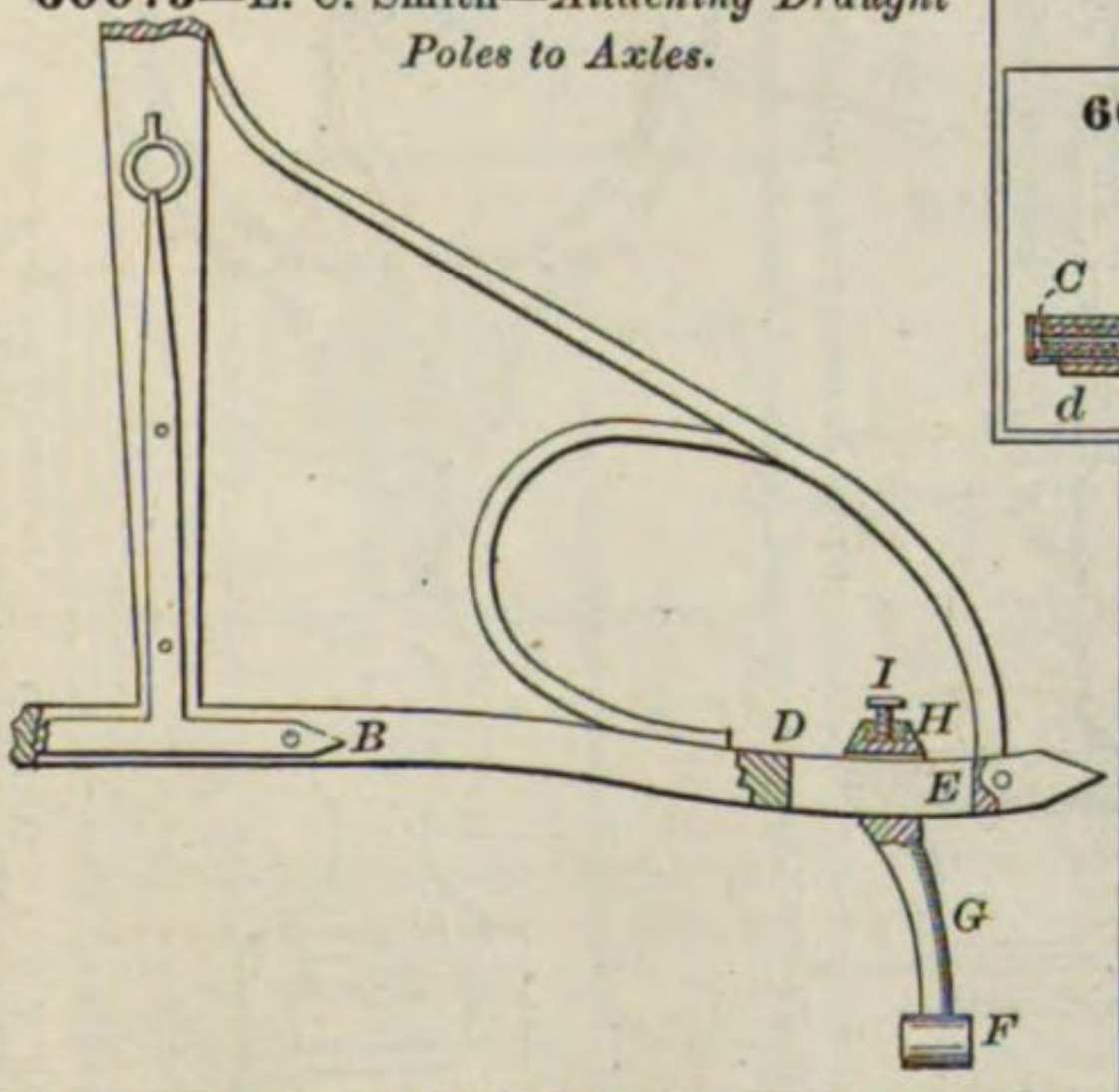
60073—A. R. Smith—*Flour Bolt.*



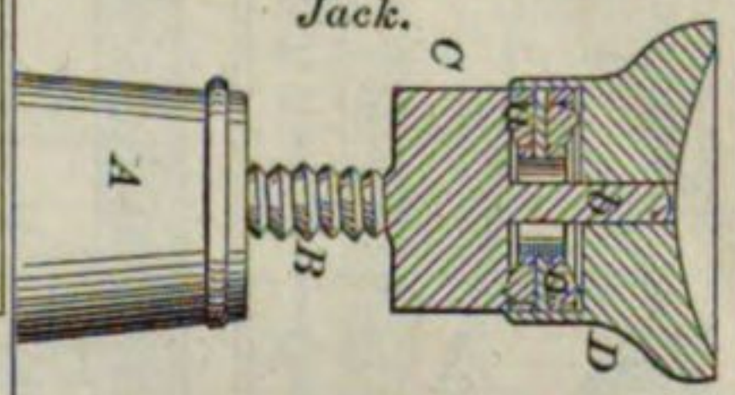
60074—D. Smith—*Cartridge Machine.*



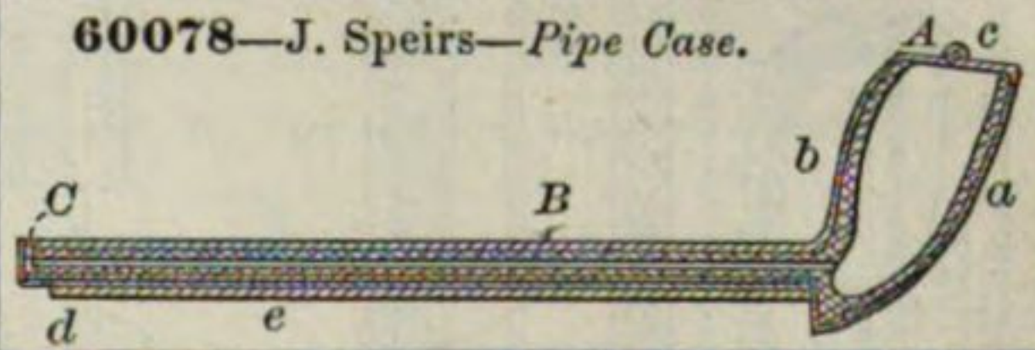
60075—E. C. Smith—*Attaching Draught Poles to Axles.*



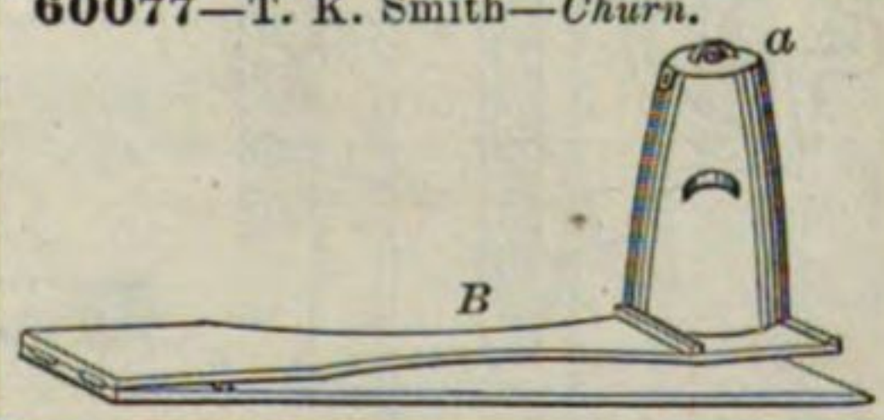
60080—J. W. Steed—*Hoisting Jack.*



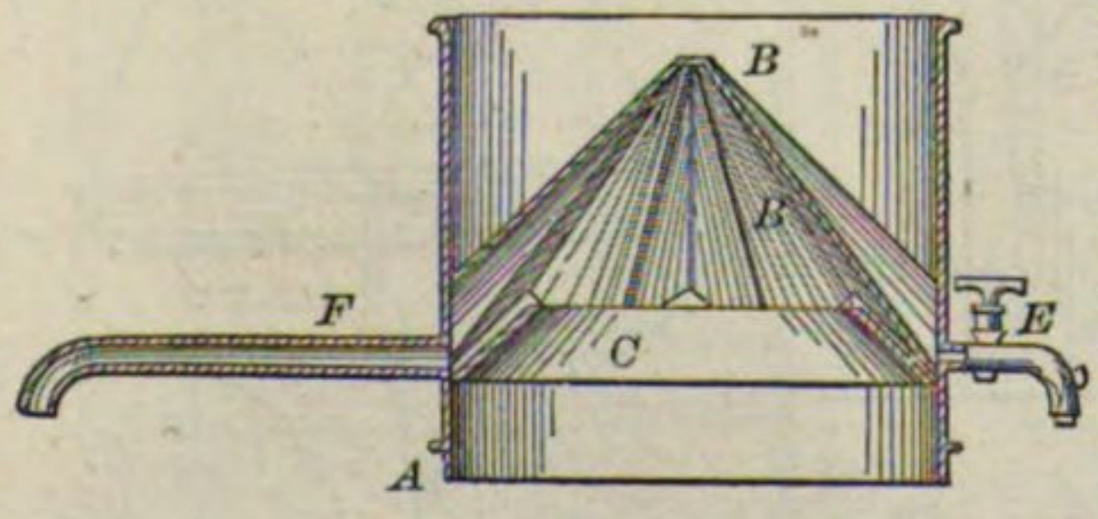
60078—J. Speirs—*Pipe Case.*



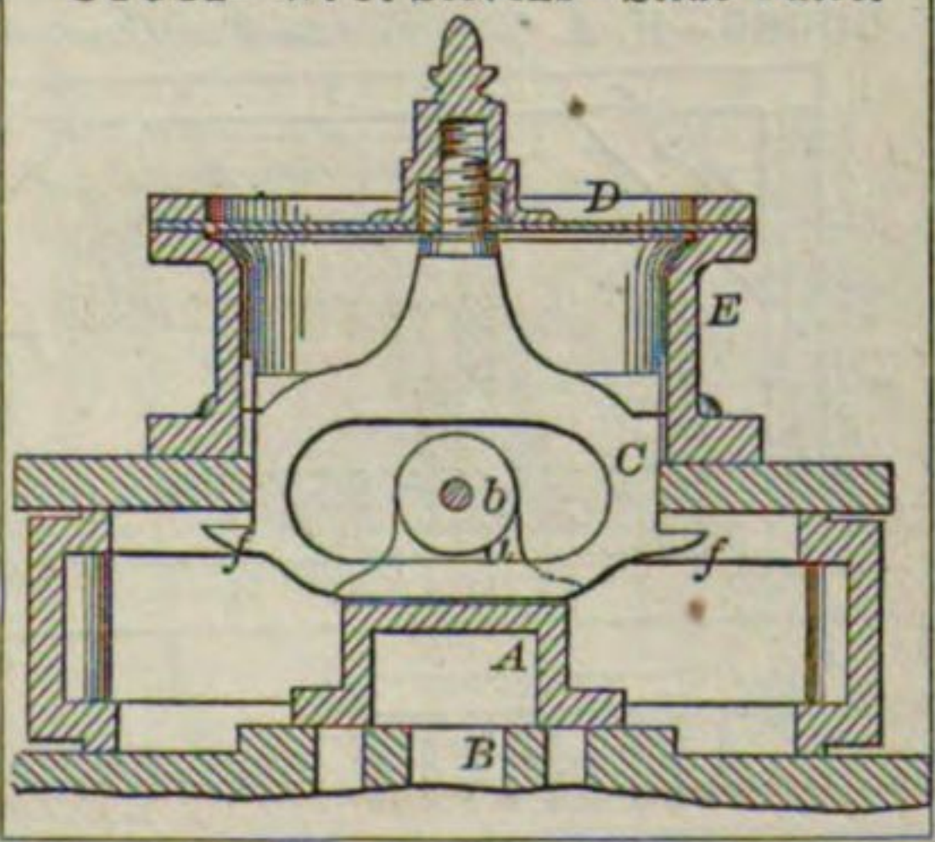
60077—T. K. Smith—*Churn.*



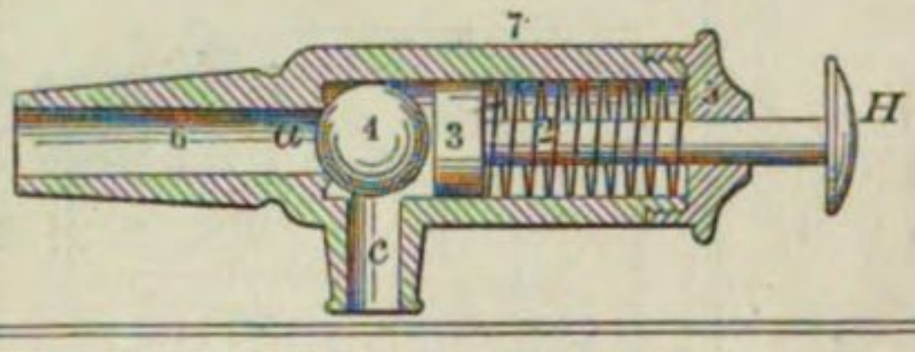
60079—B. P. Stebbins—*Still.*



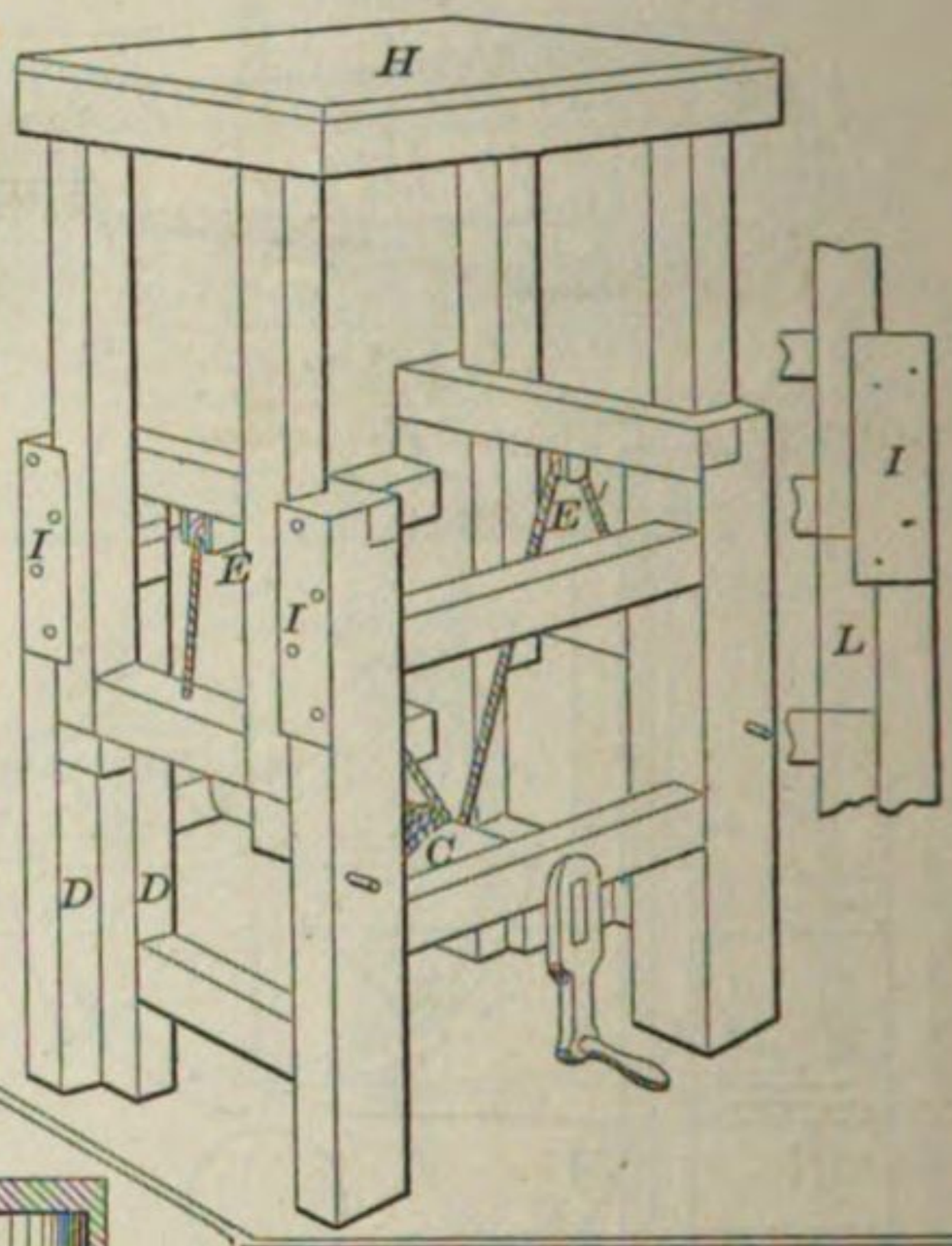
60081—W. J. Stevens—*Slide Valve.*



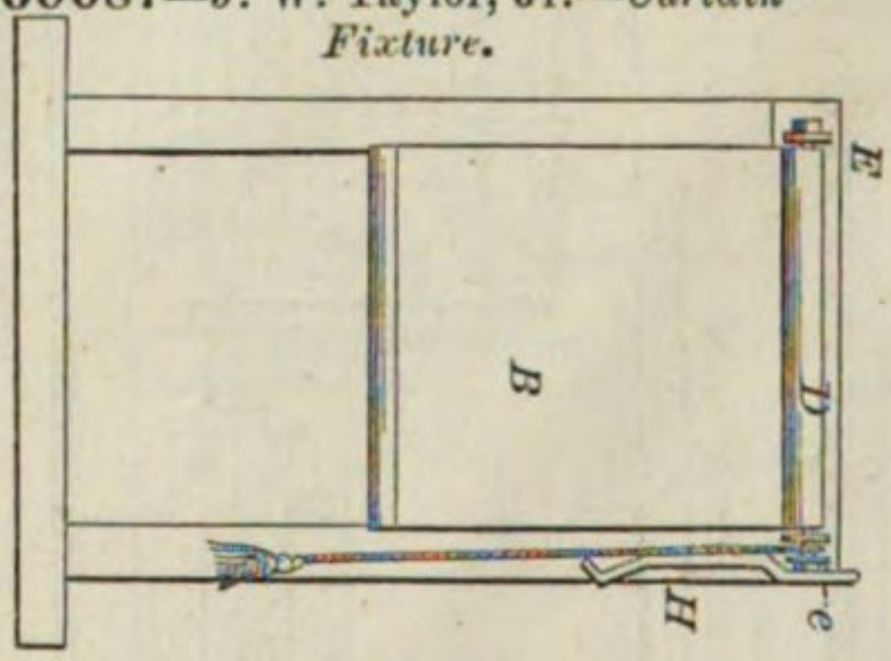
60082—Street & Davis—*Faucet.*



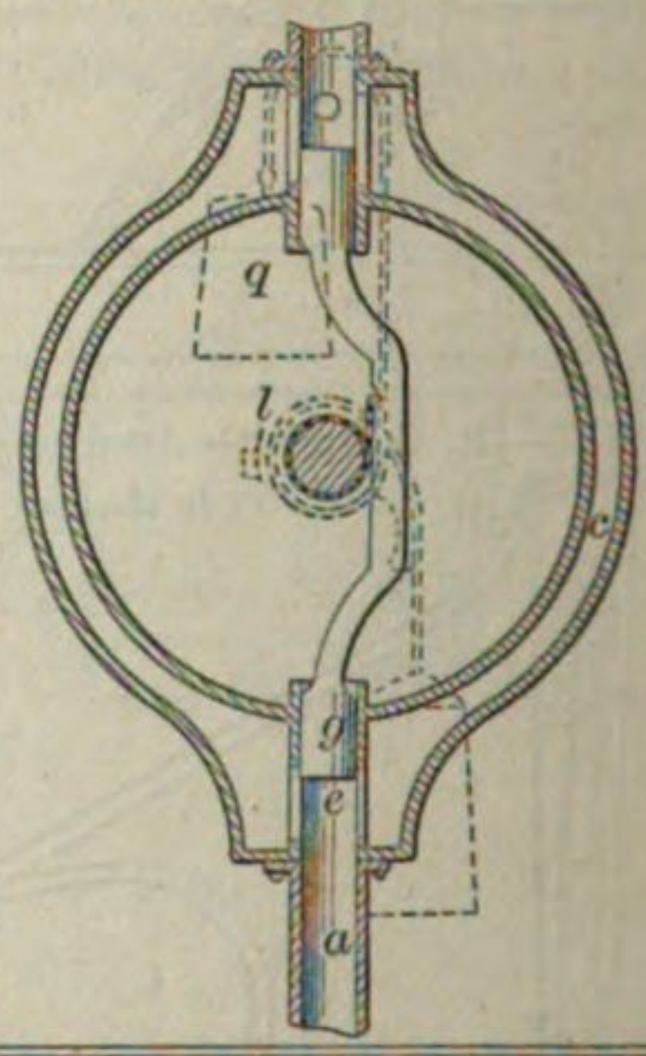
60085—C. M. Tanner—*Scaffold.*



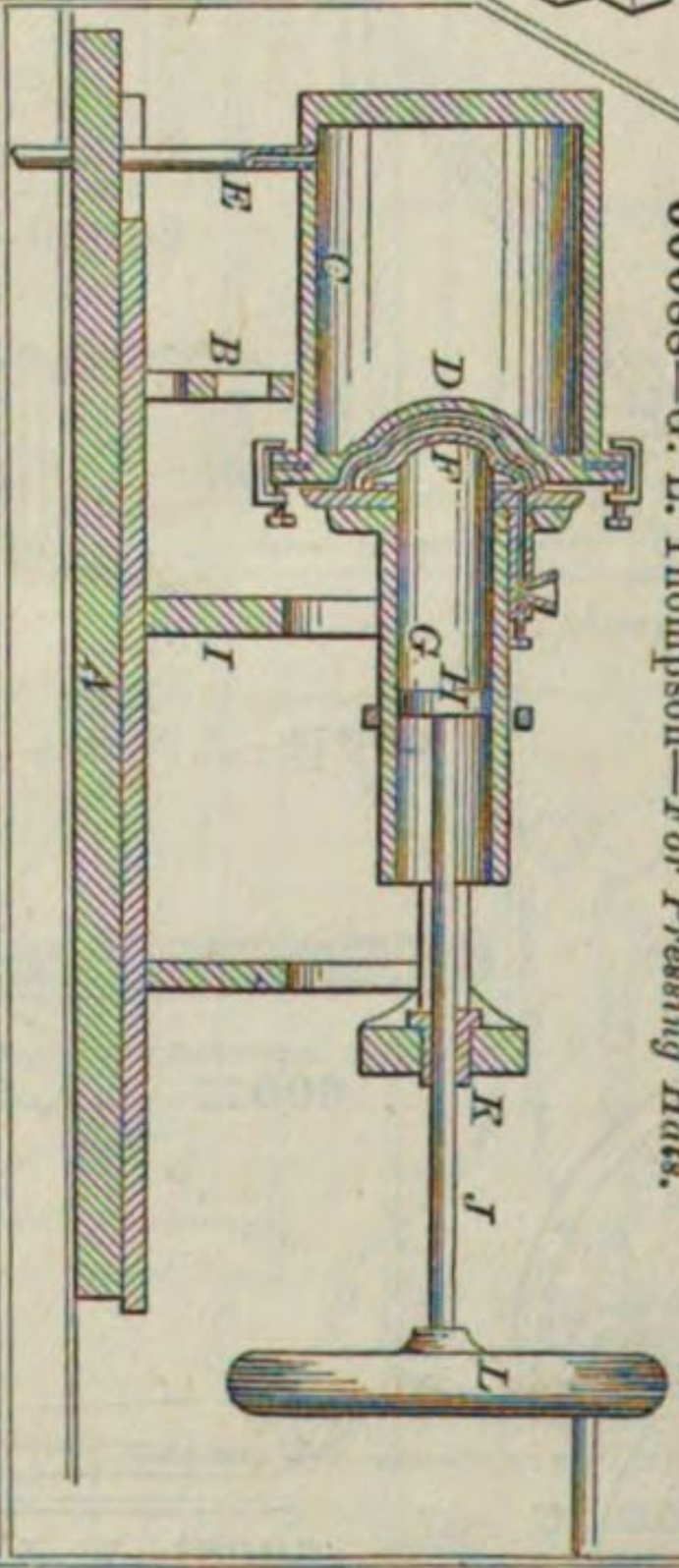
60087—J. W. Taylor, Jr.—*Curtain Fixture.*



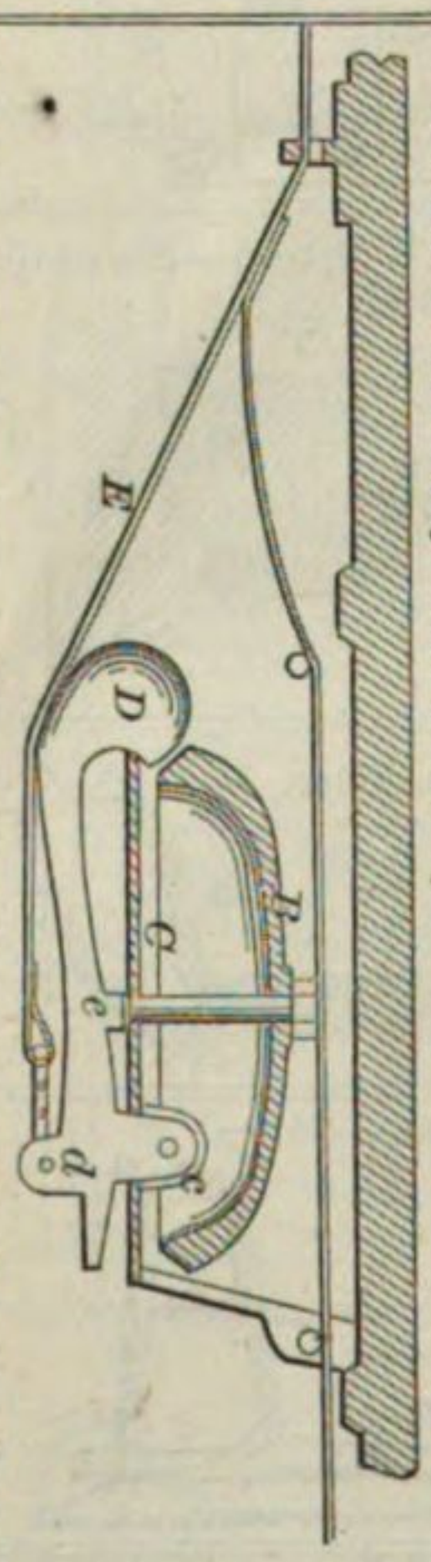
60084—F. Taggart—*Steam Engine Governor.*



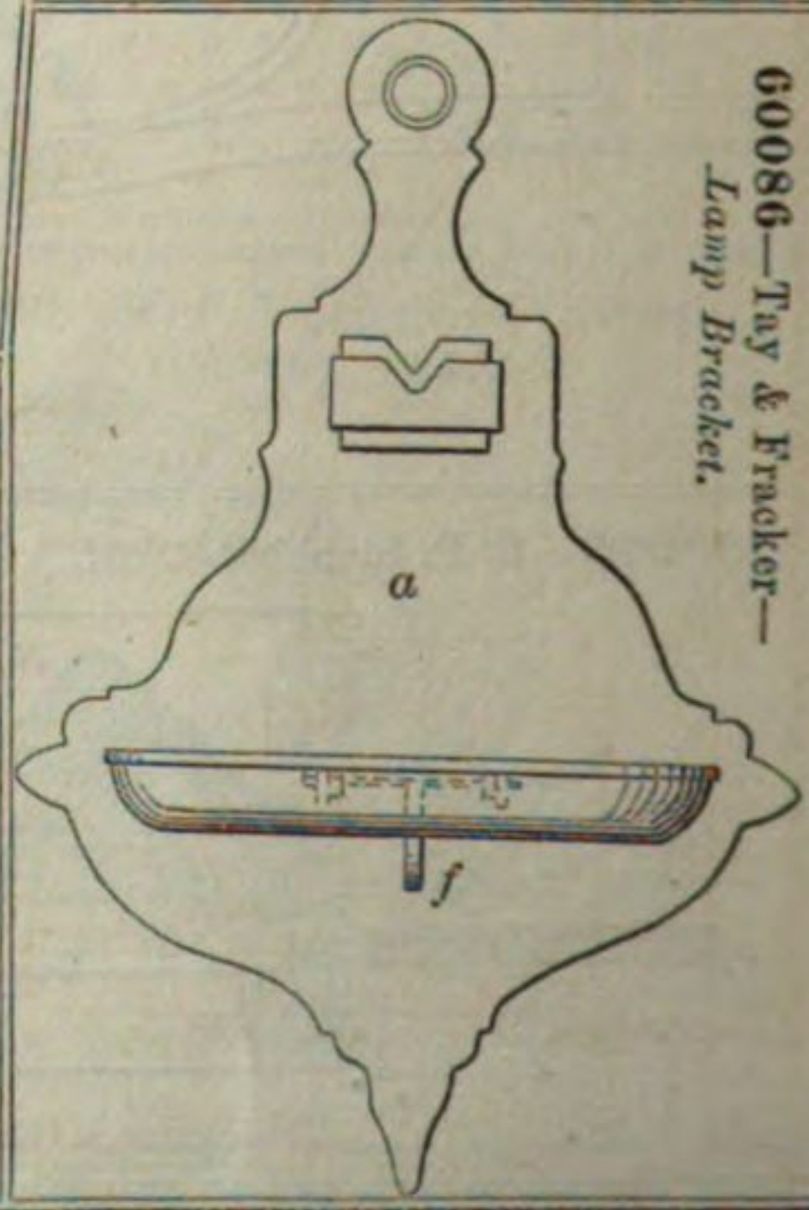
60088—G. L. Thompson—*For Pressing Hats.*



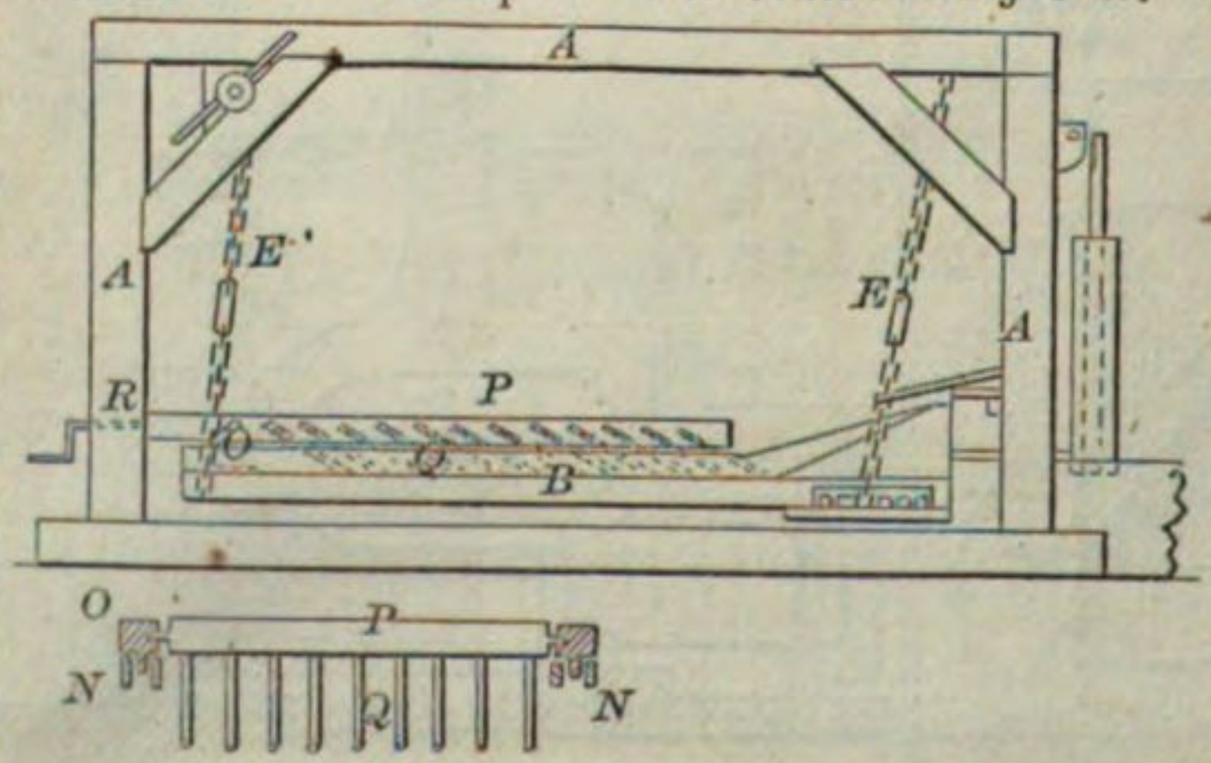
60083—J. Sweeney—*Car Bell.*



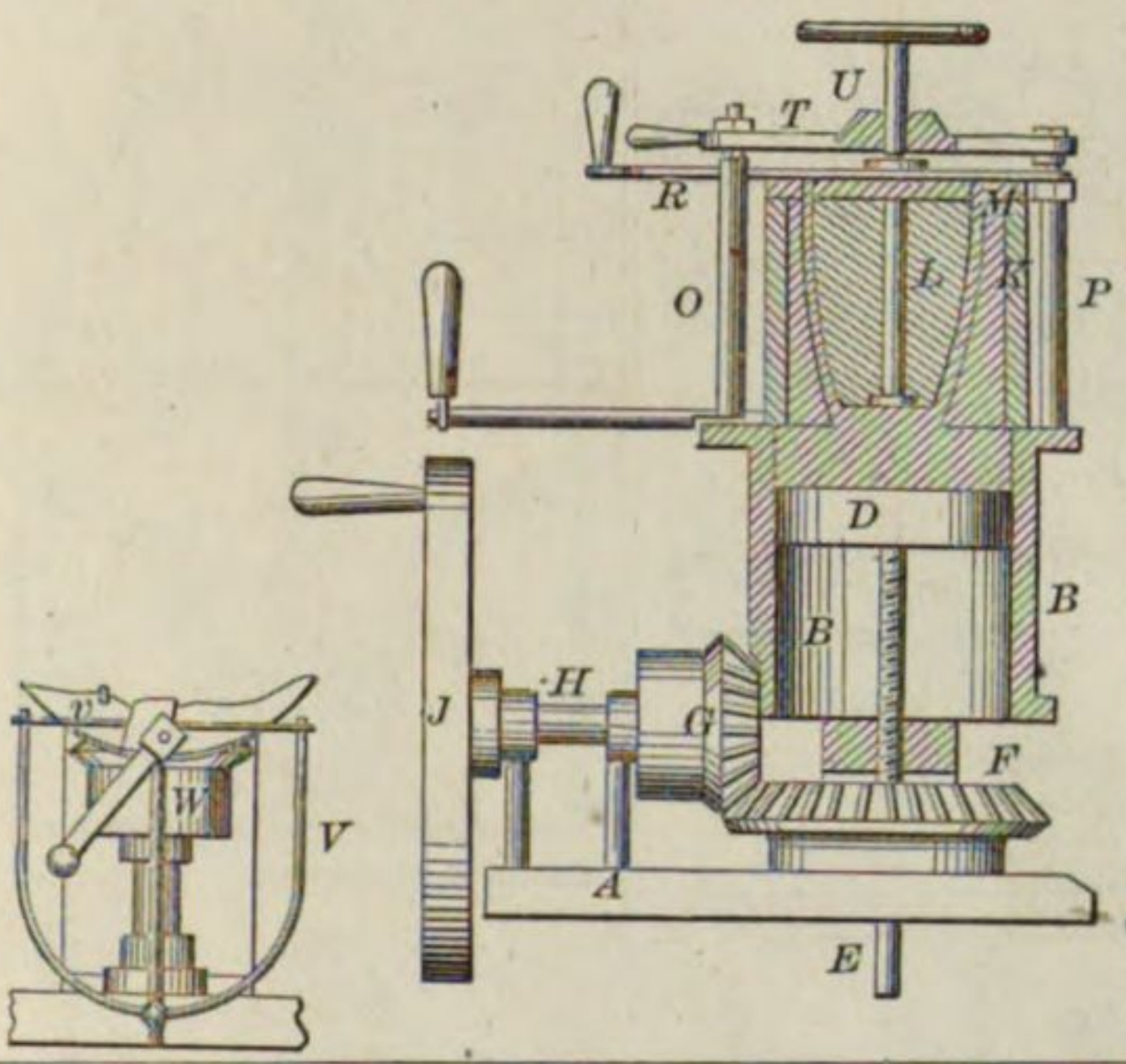
60086—Tay & Fracker—*Lamp Bracket.*



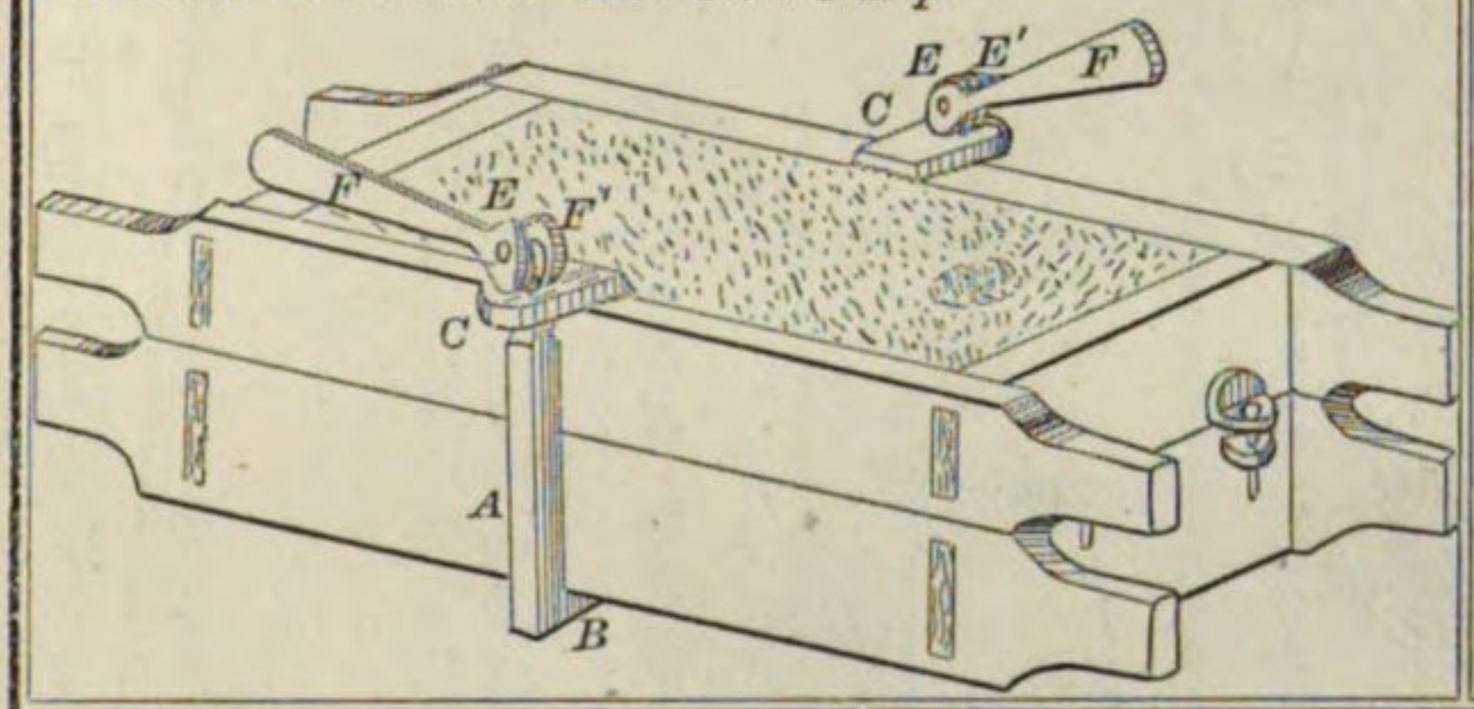
60089—H. A. Thompson—*For Concentrating Ores.*



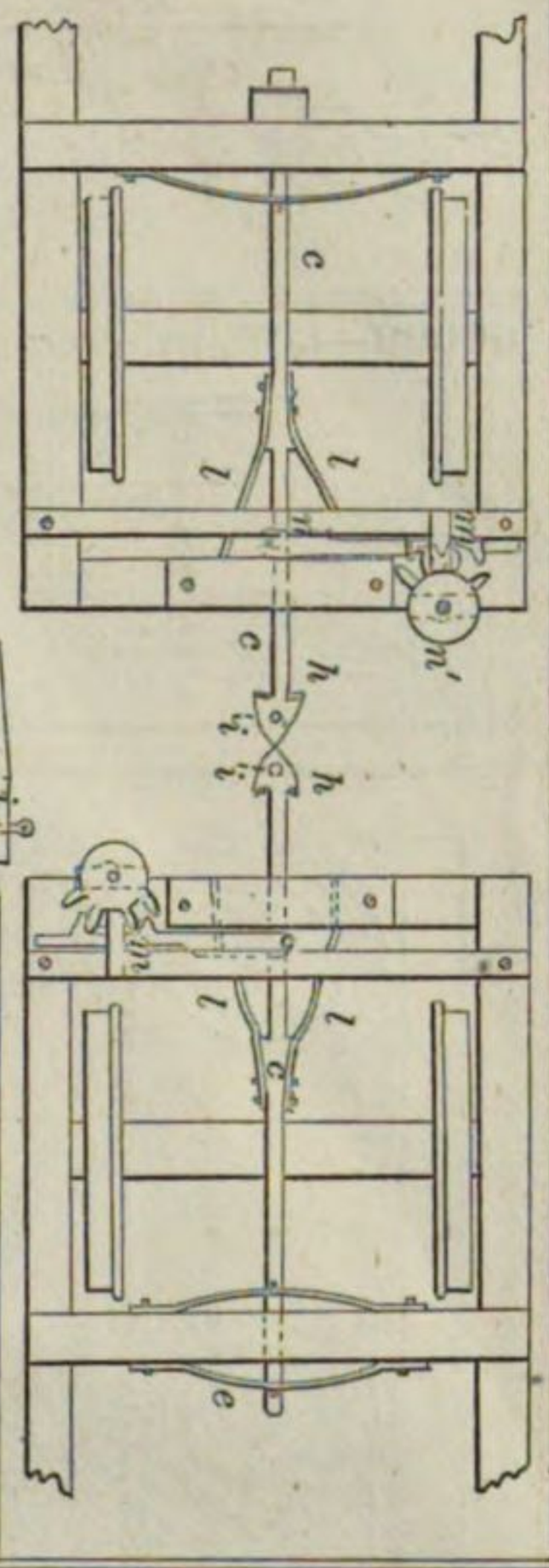
60090—S. R. Thompson—*For Making Crucibles.*



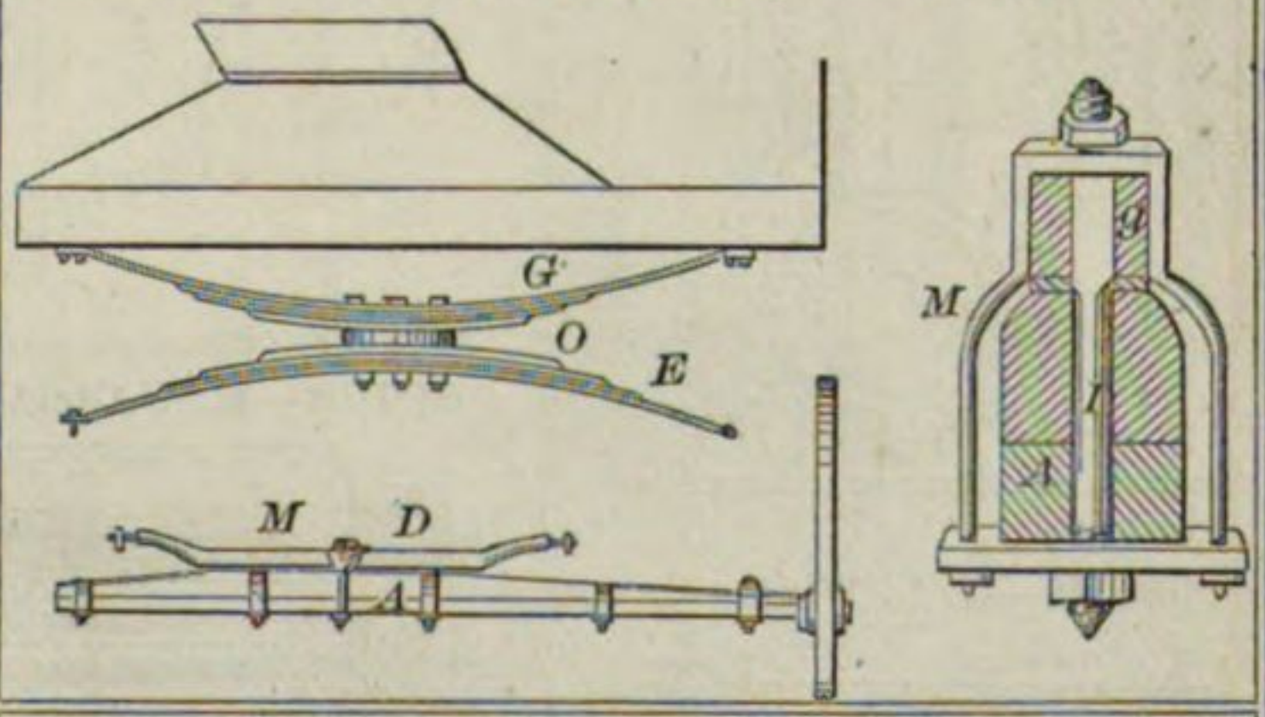
60091—W. W. Tice—*Moulder's Clamp.*



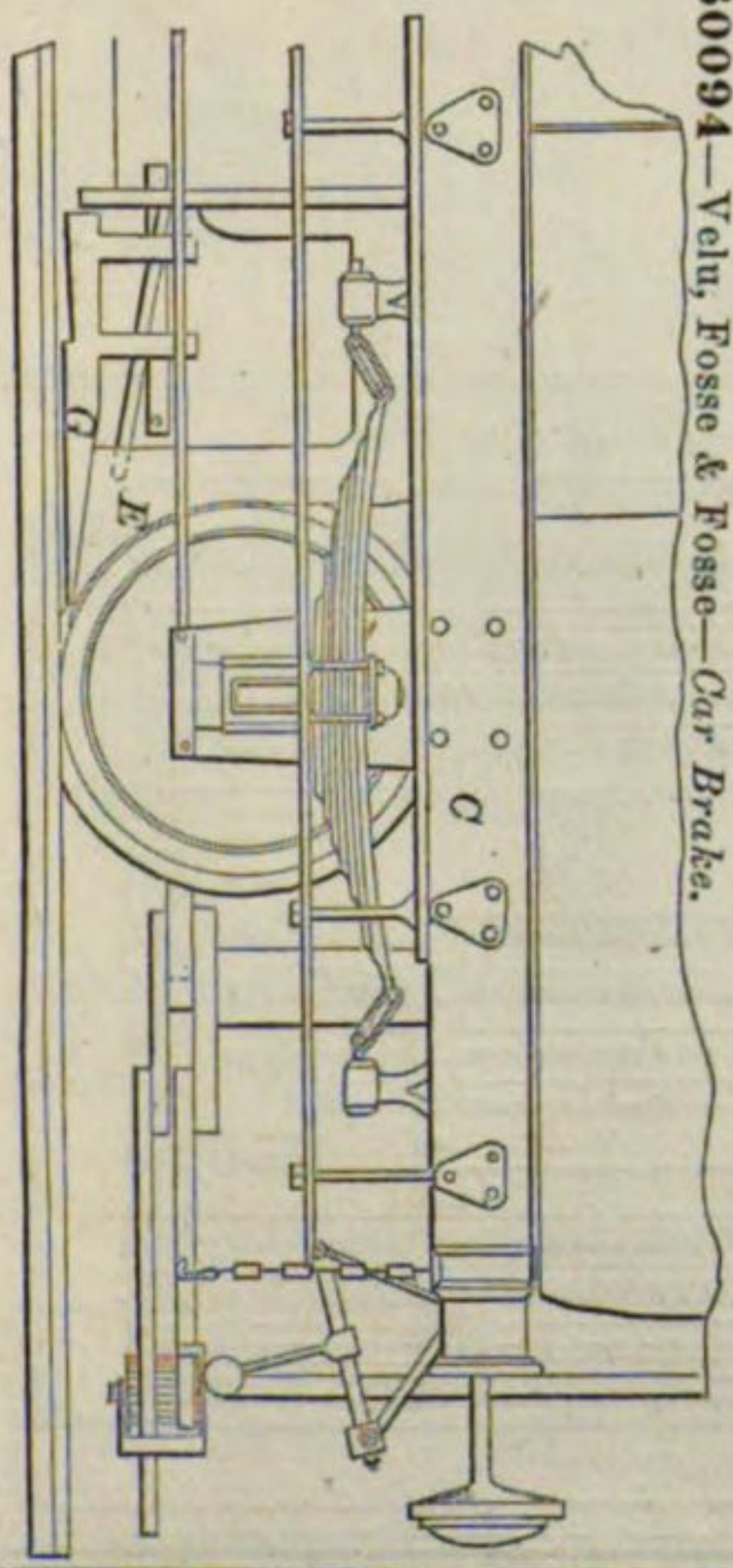
60092—D. J. Tittle—*Car Coupling.*



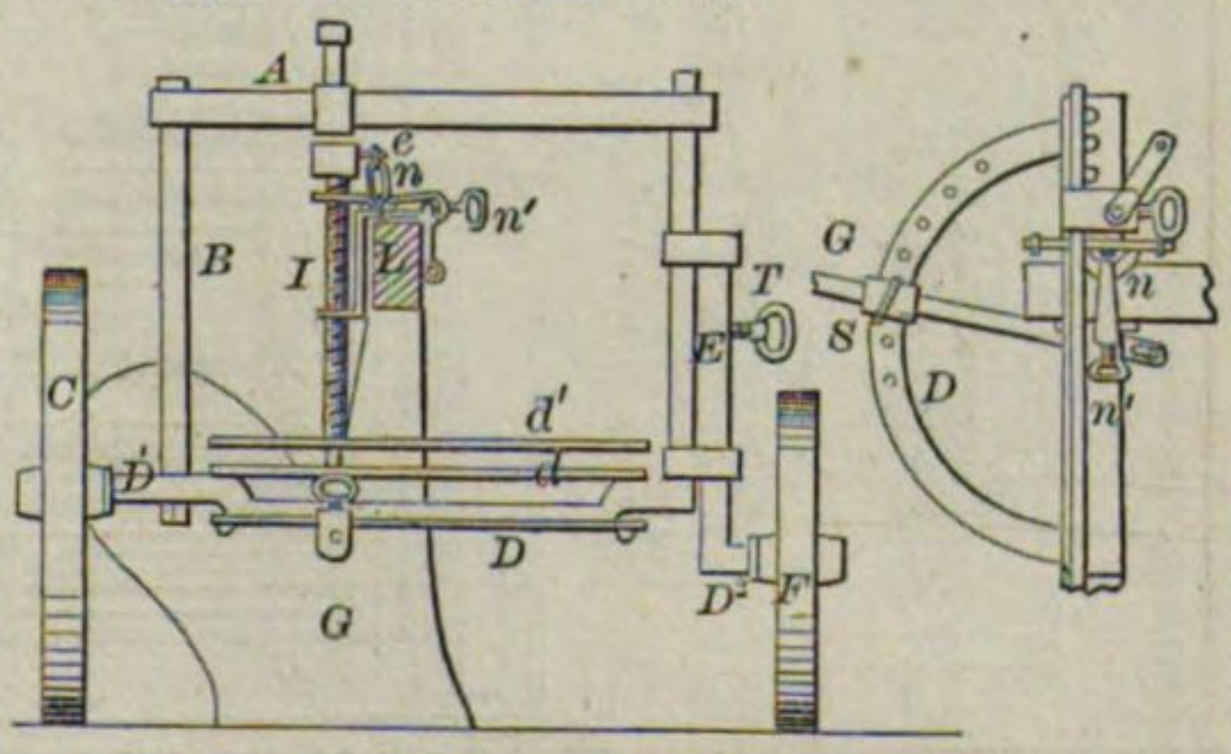
60093—J. D. Van Hoevenbergh—*Carriage.*



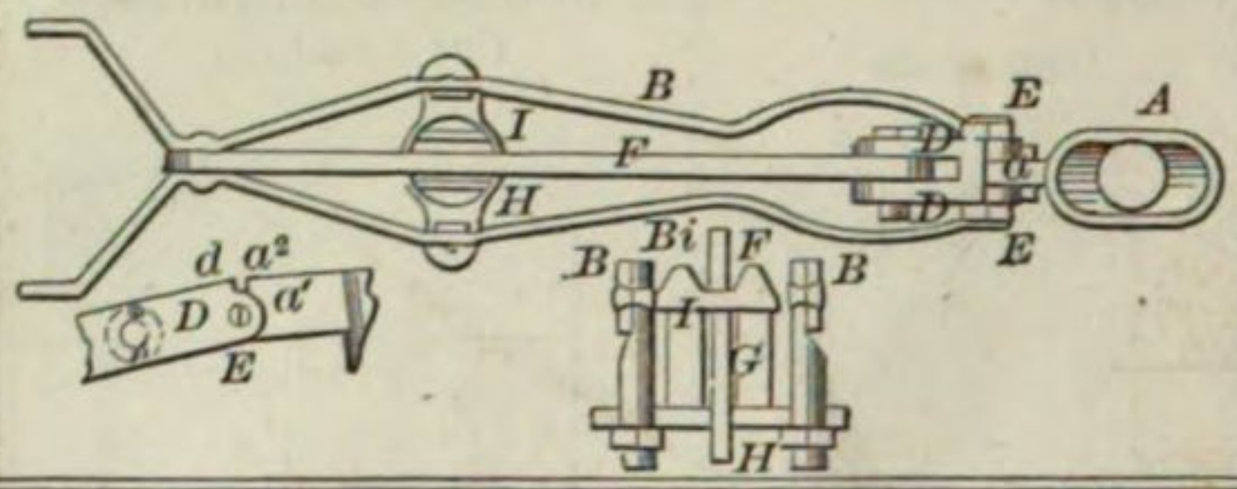
60094—Velu, Fosse & Fosse—*Car Brake.*



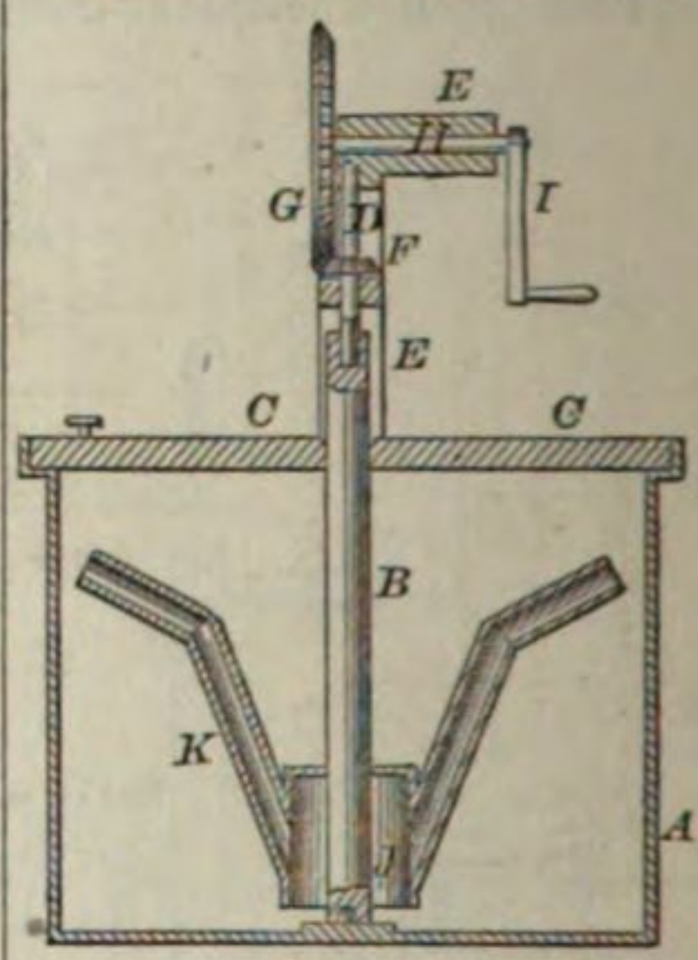
60095—B. Volkmann—*Plow.*



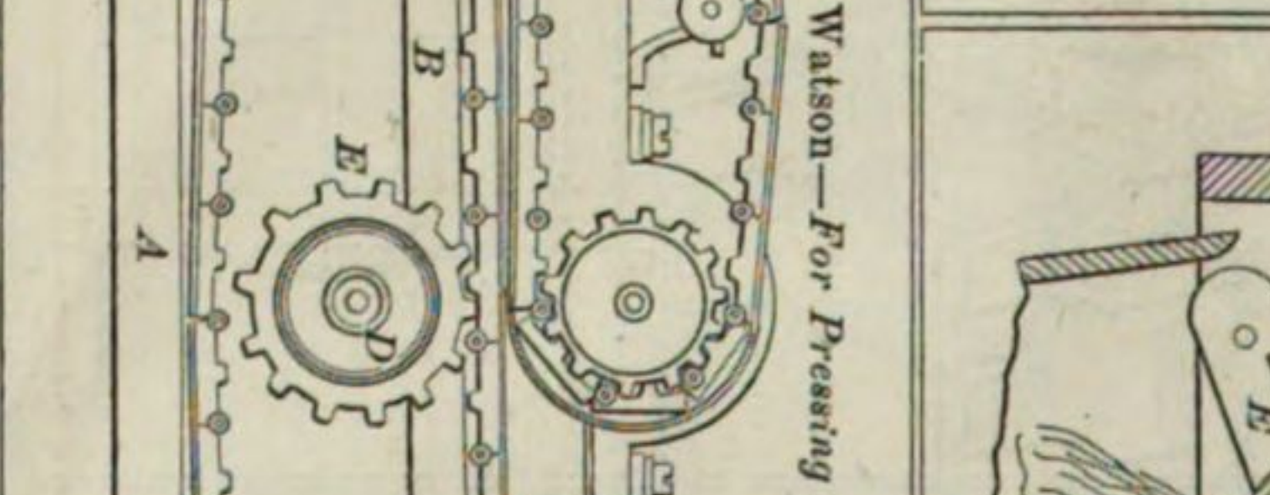
60096—E. Wagoner—*Grain Drill.*



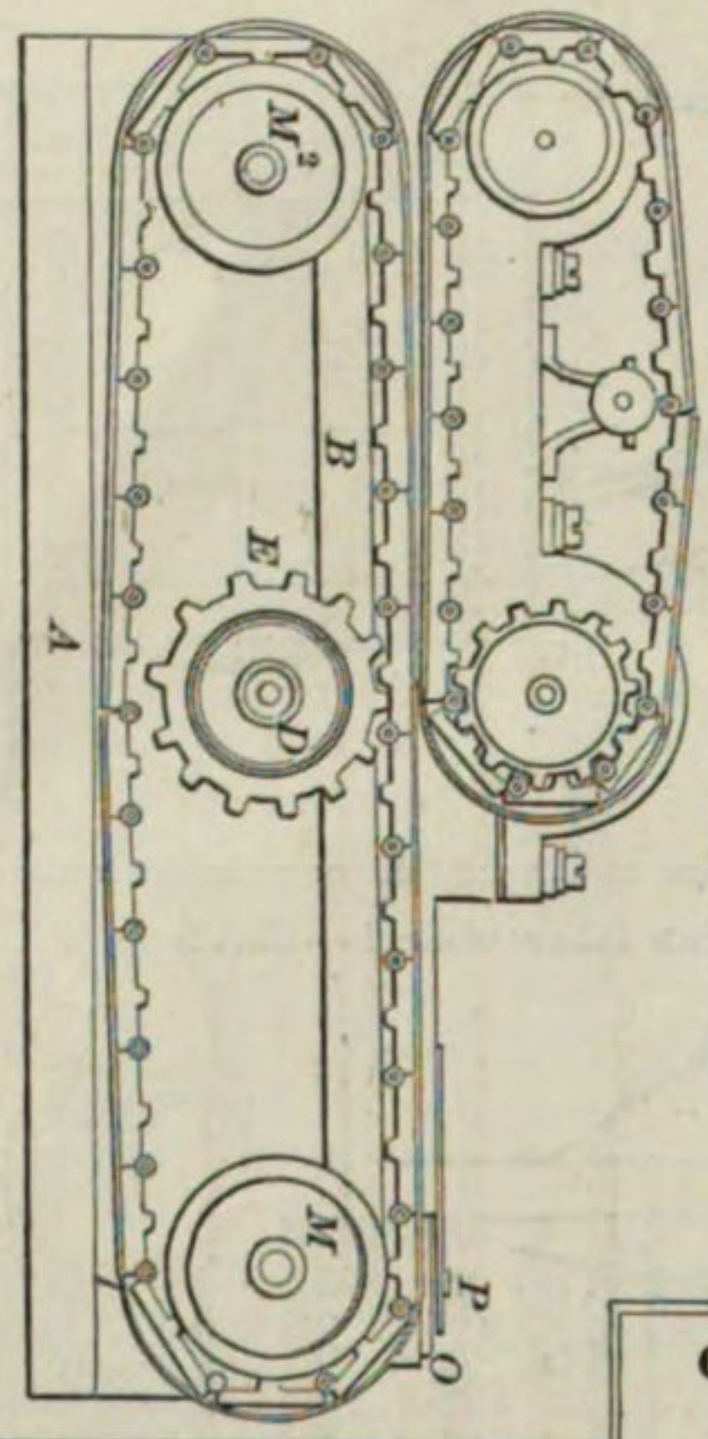
60097—G. B. Waller—*Churn.*



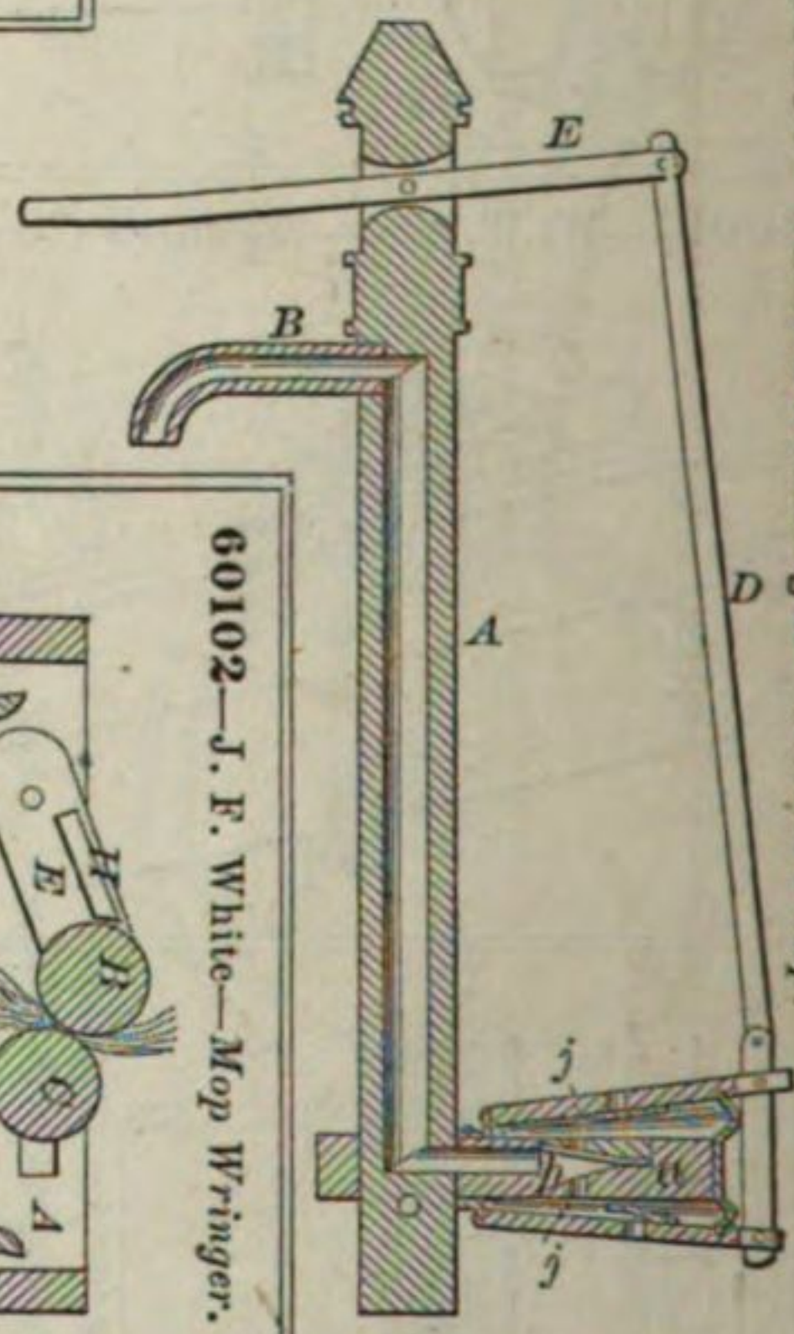
60099—J. Walter—*Grape Vine Protector.*



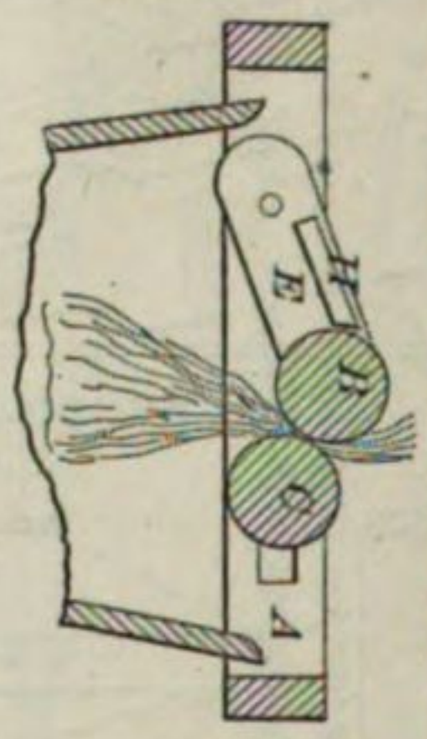
60100—W. H. Watson—*For Pressing Tobacco.*



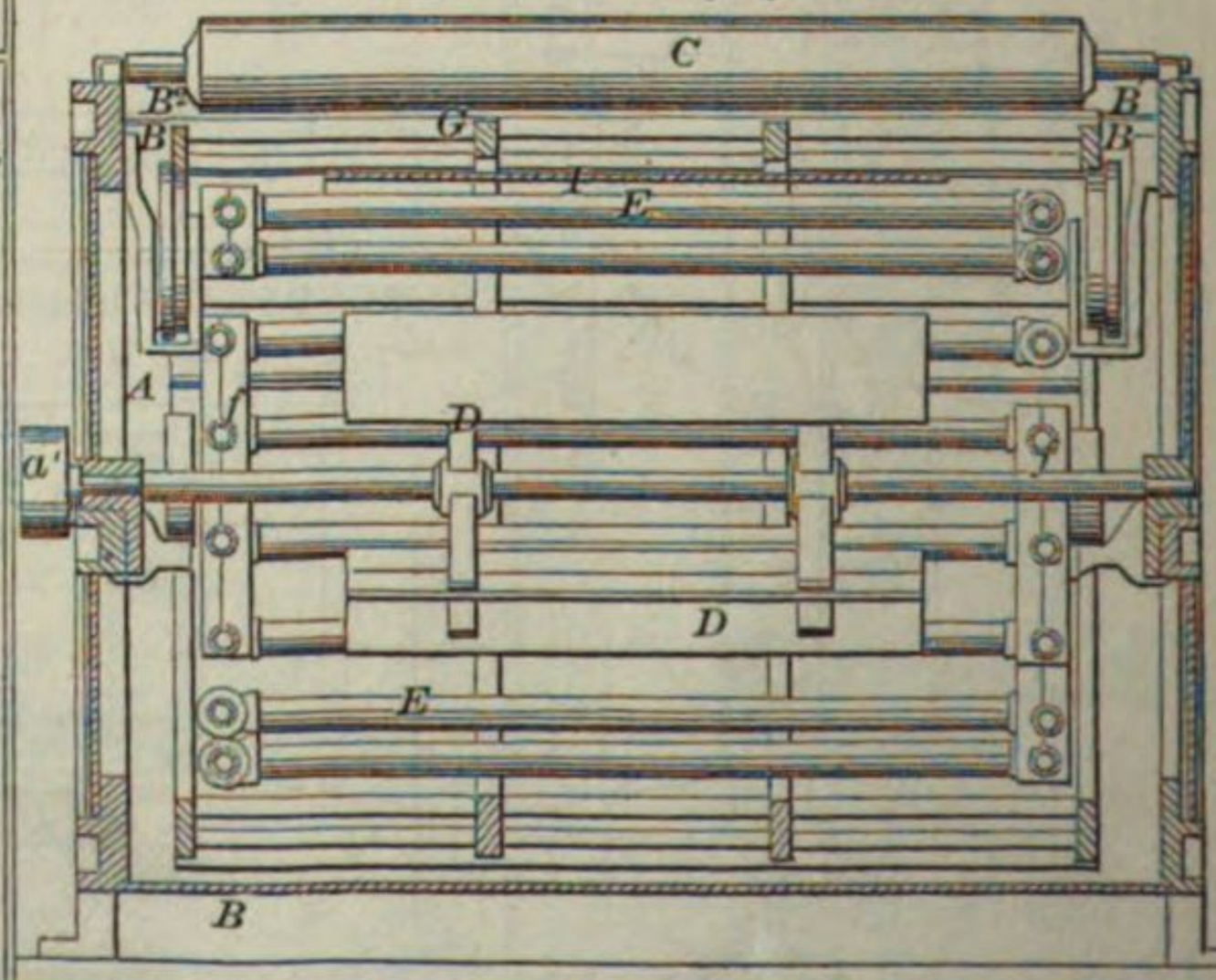
60098—Wallis & Swearingen—*Bellows Pump.*



60102—J. F. White—*Mop Wringer.*

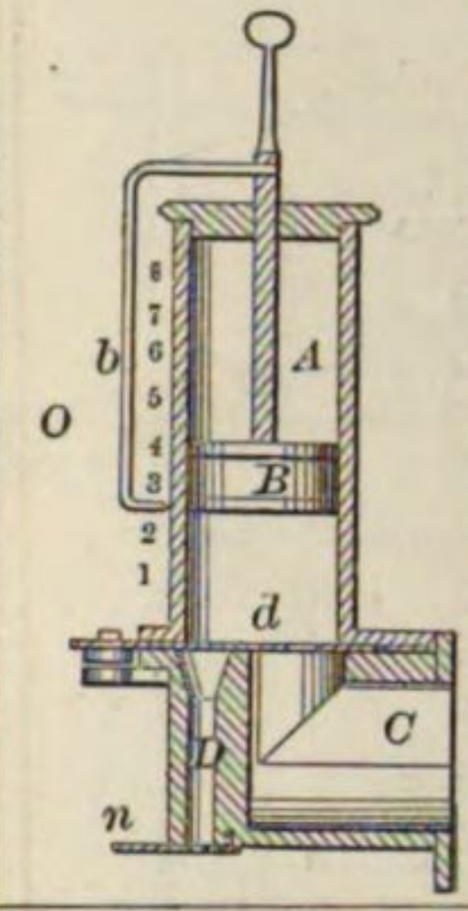


60103—H. Whitehill—*For Drying Yarn.*

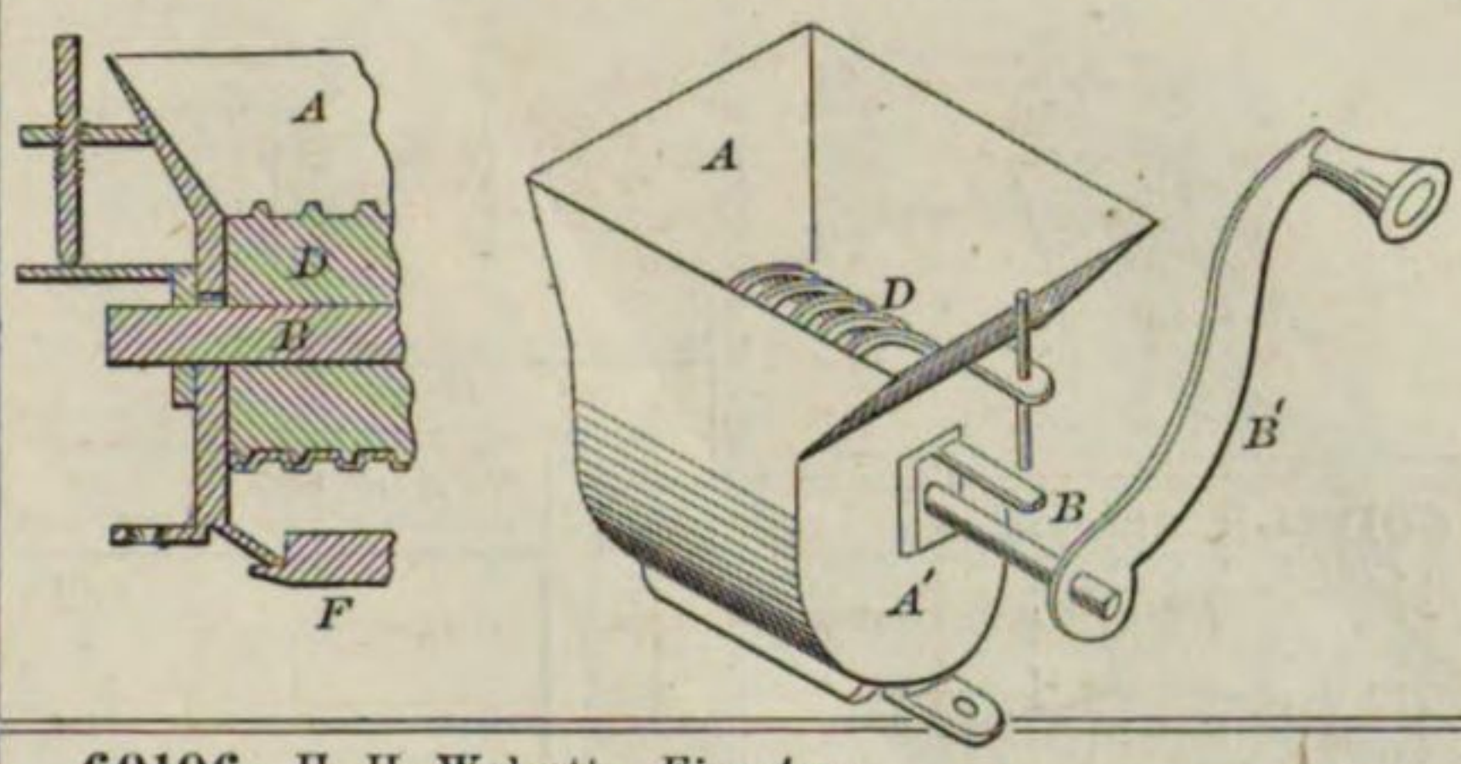


60101—G. L. White—*Loom.*

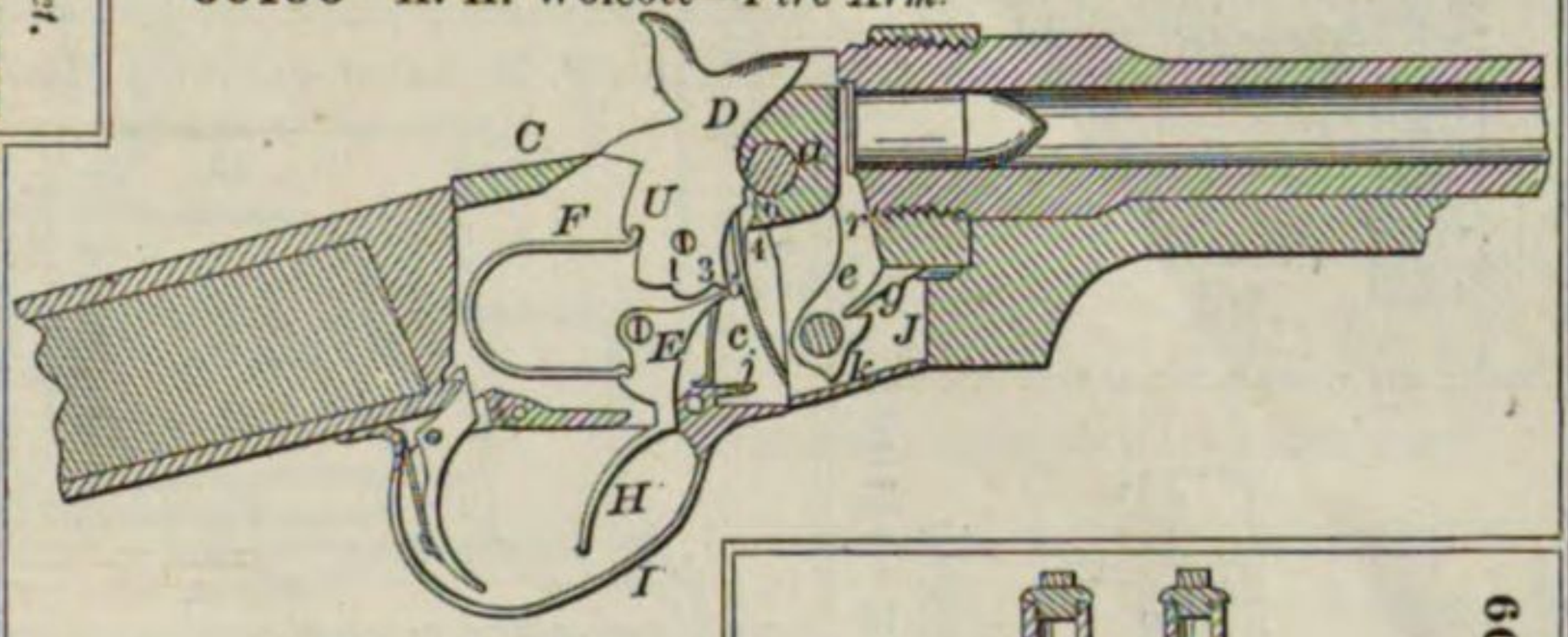
60104—S. S. Wiles—*Measuring Faucet.*



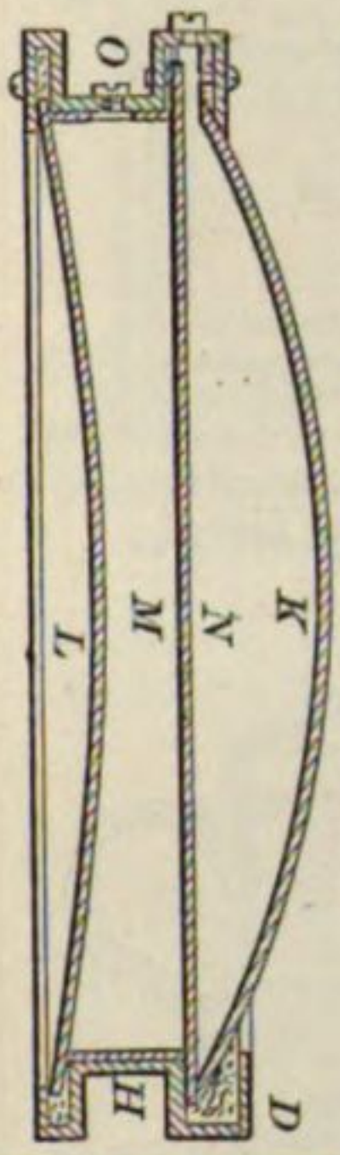
60105—G. L. Witsil—*Grinding Mill.*

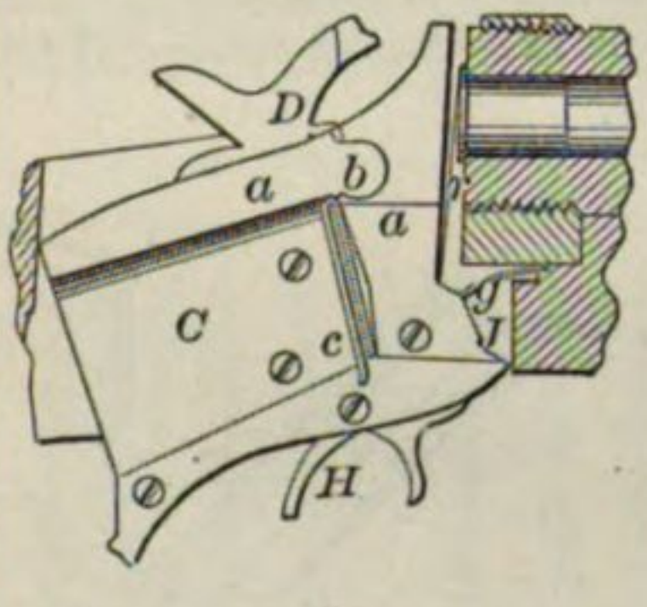


60106—H. H. Wolcott—*Fire Arm.*

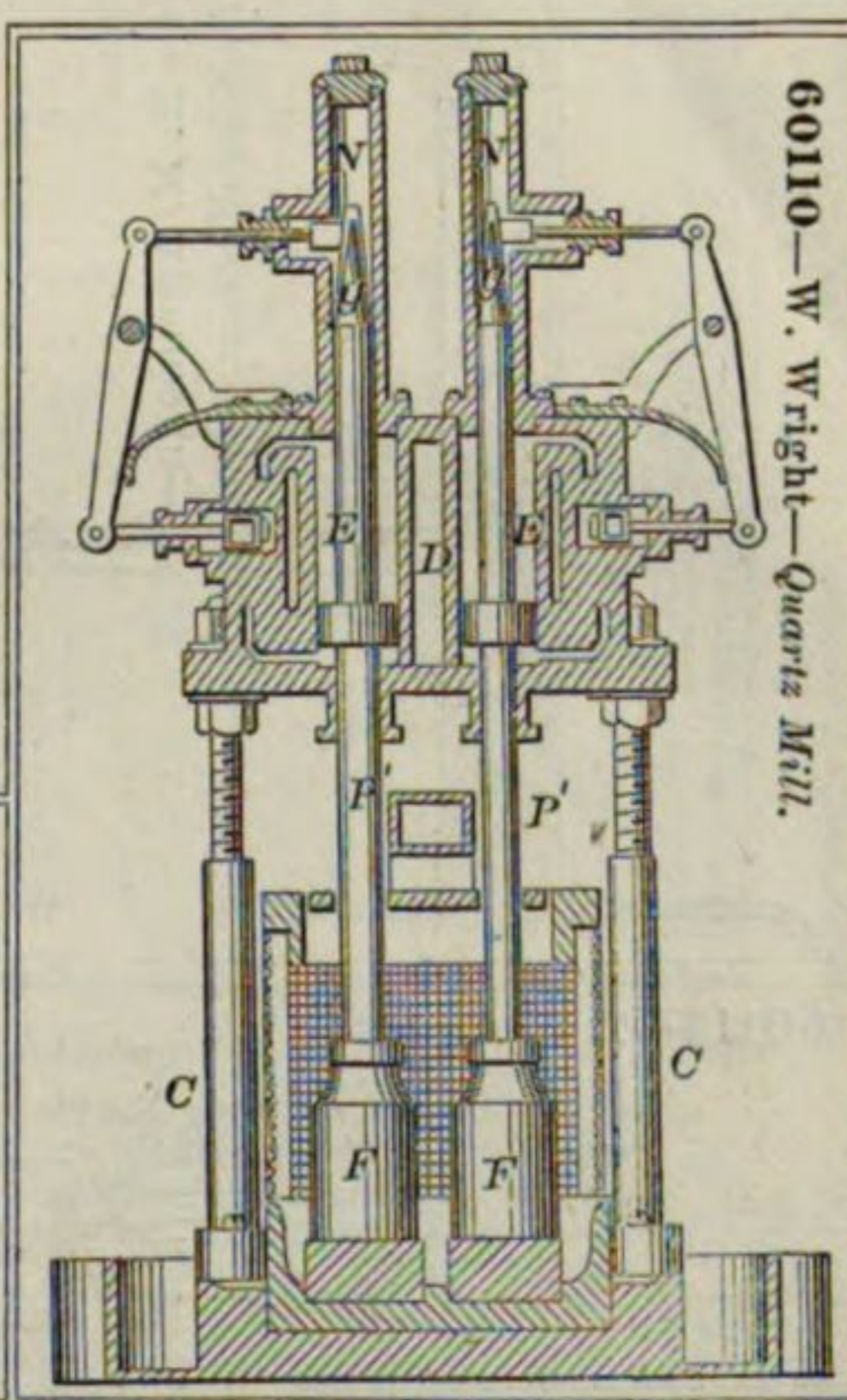


60109—D. A. Woodward—*Fluid Lens.*

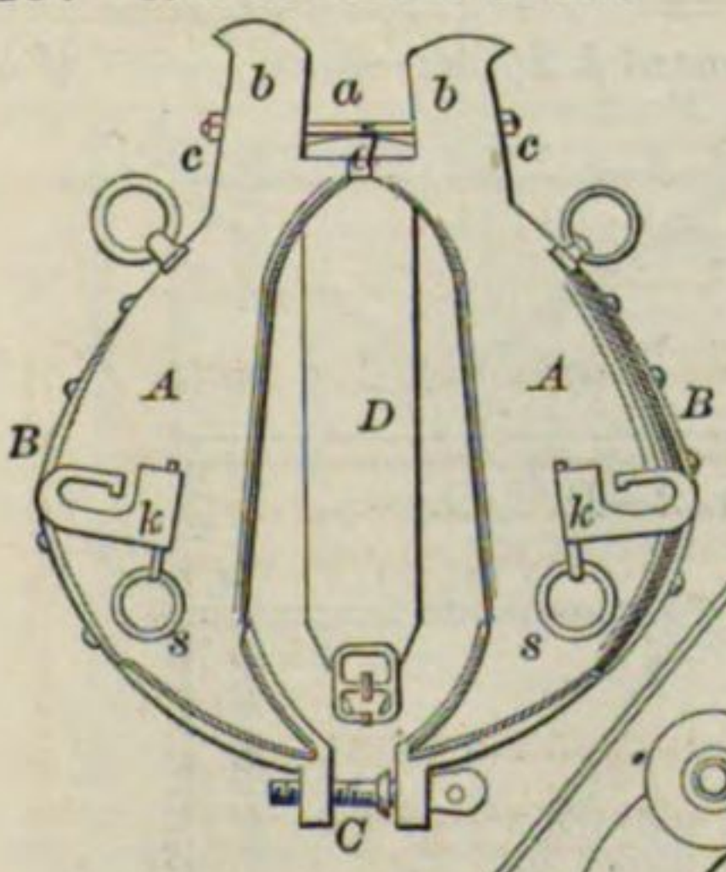




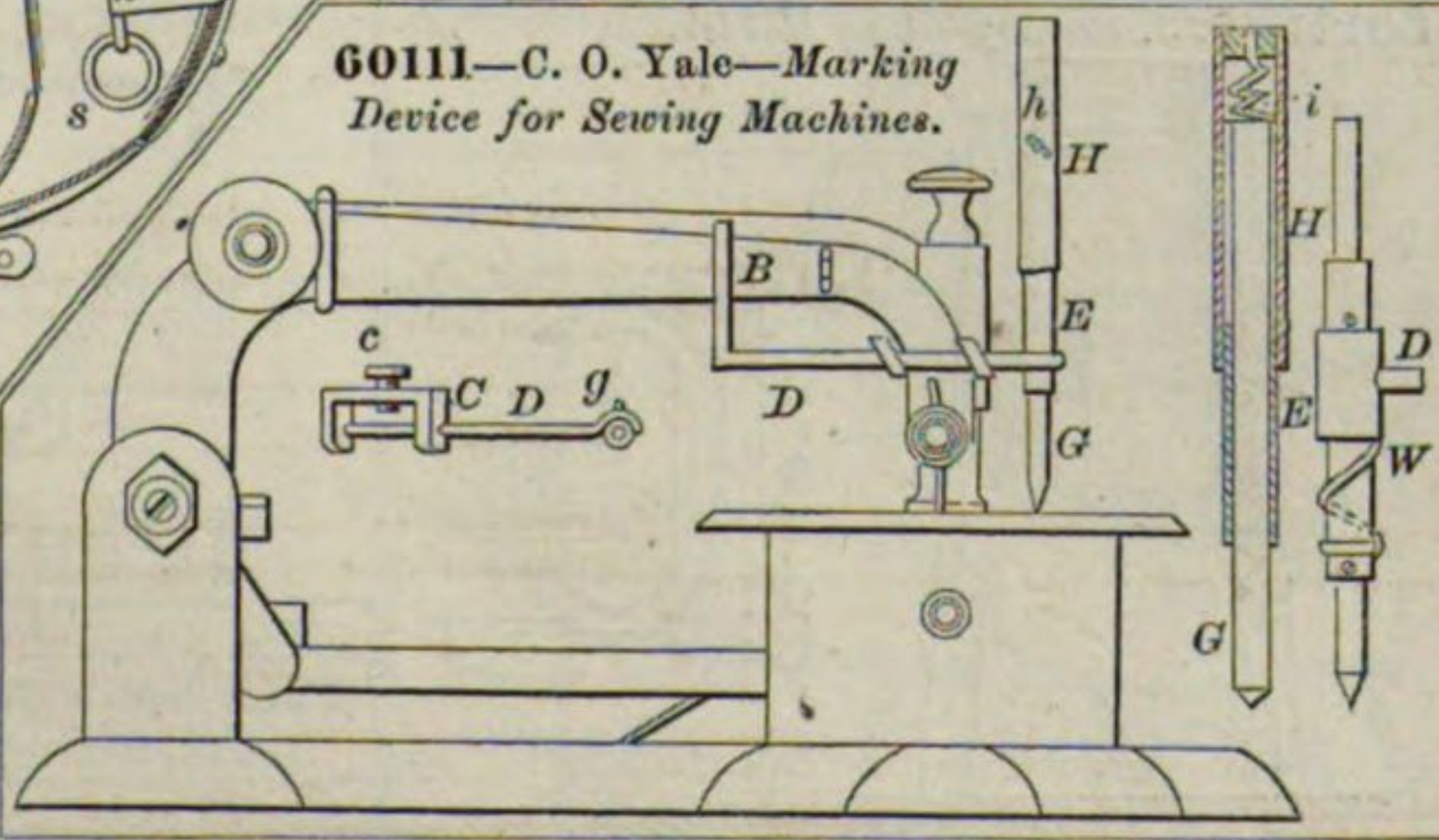
60110—W. Wright—*Quartz Mill.*



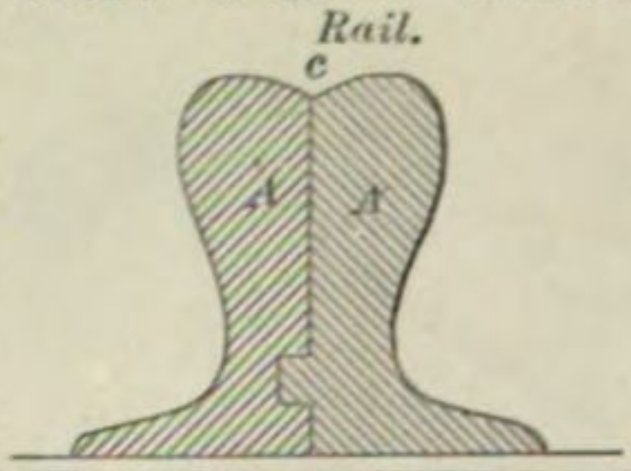
60107—C. Wolf—*Horse Collar.*



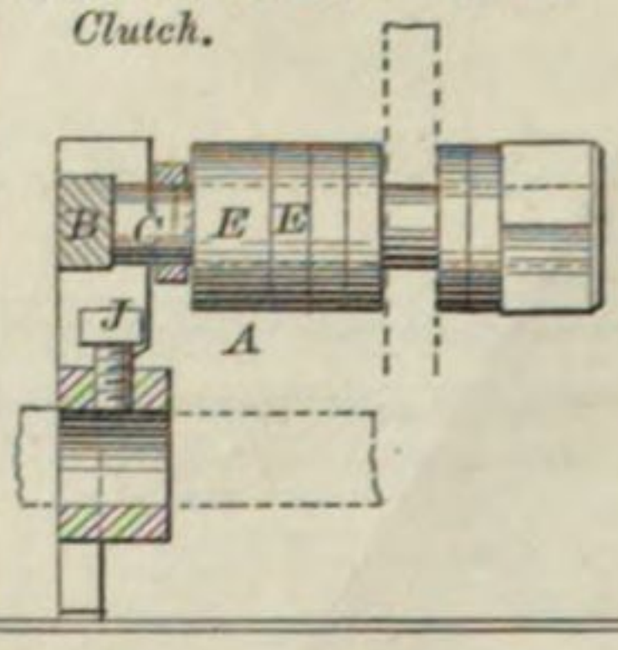
60111—C. O. Yale—*Marking Device for Sewing Machines.*



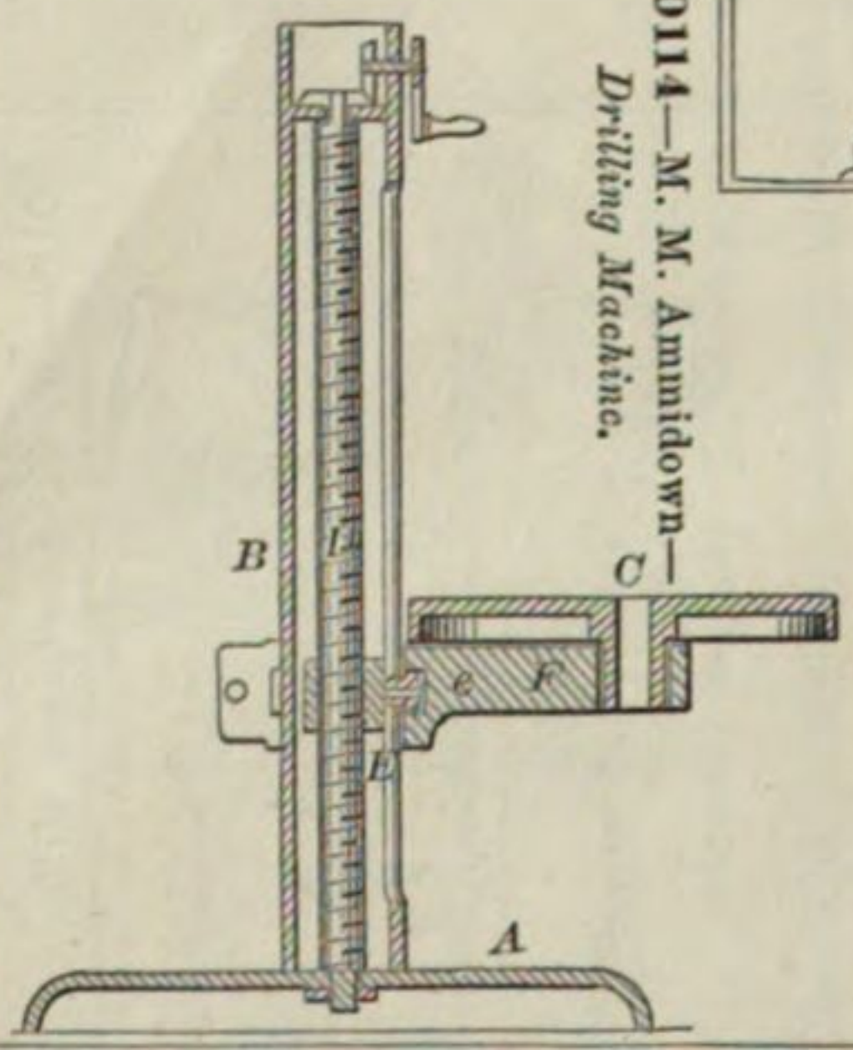
60112—J. Adams—*Railroad Rail.*



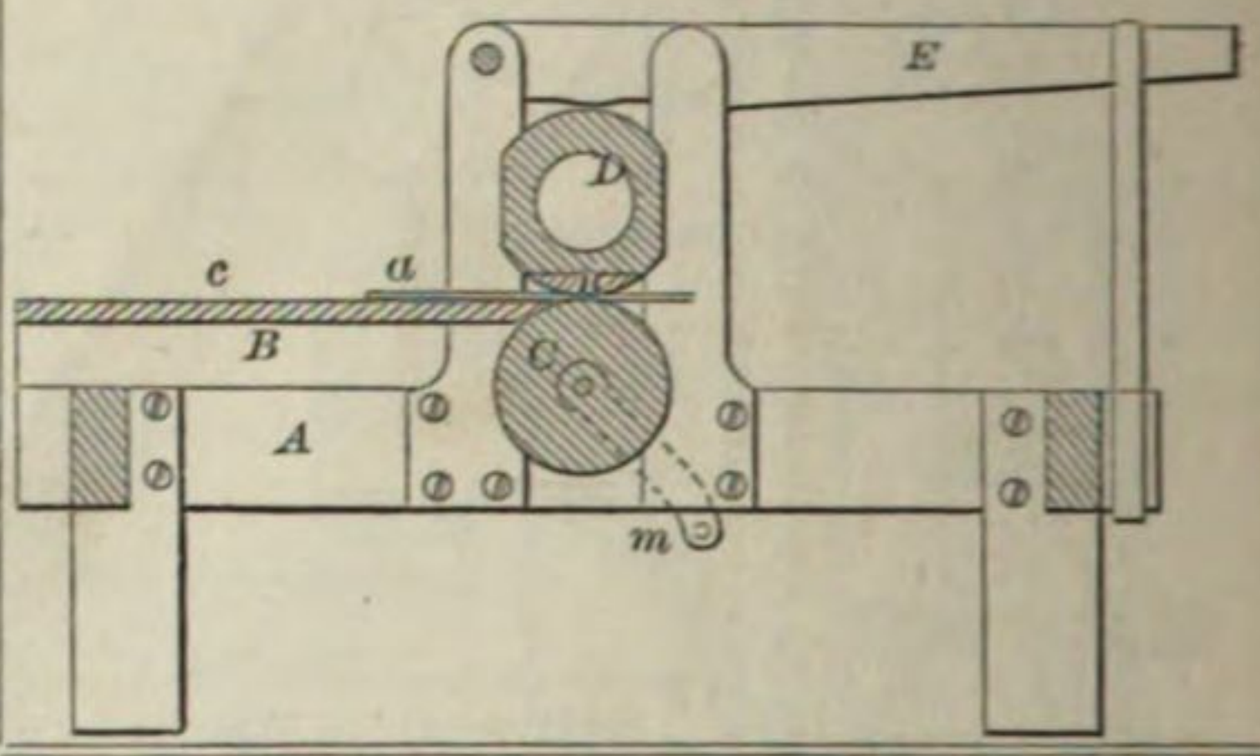
60113—R. Allen—*Lathe Clutch.*



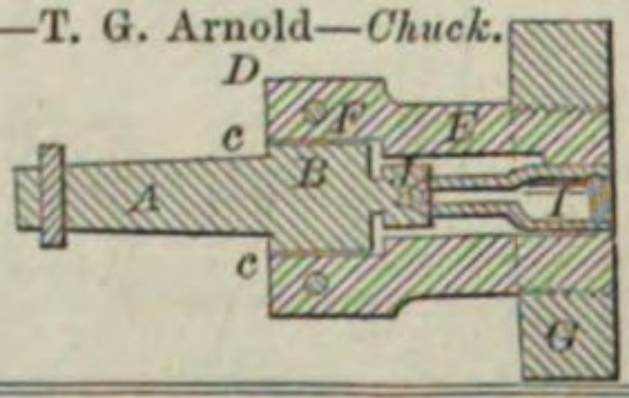
60114—M. M. Ammidown—*Drilling Machine.*



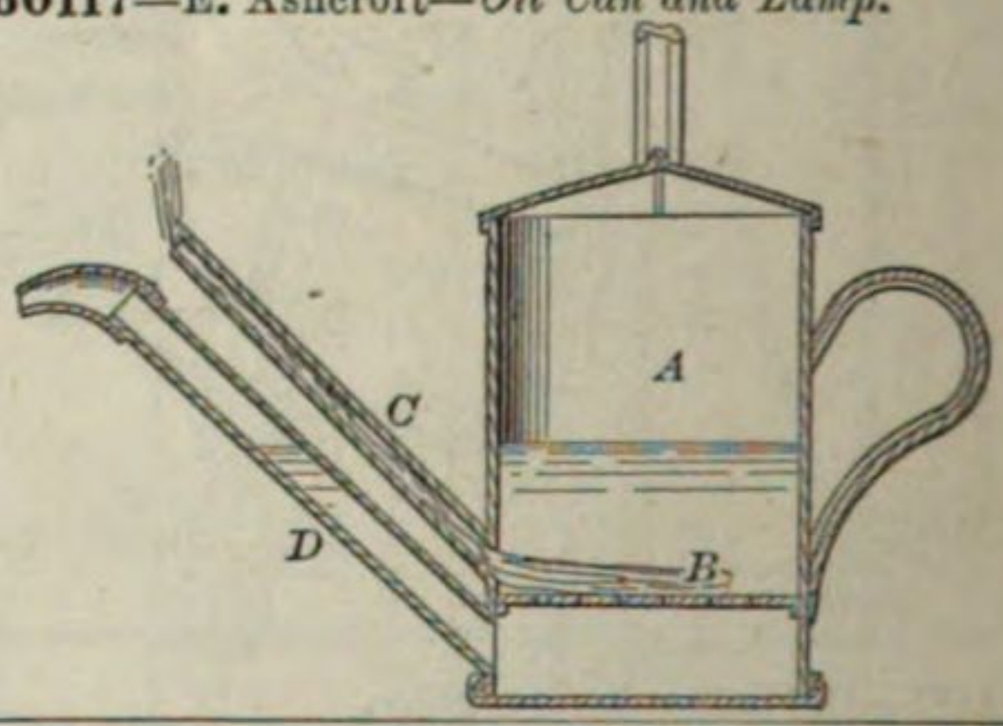
60115—J. C. Arms—*Embossing Machine.*



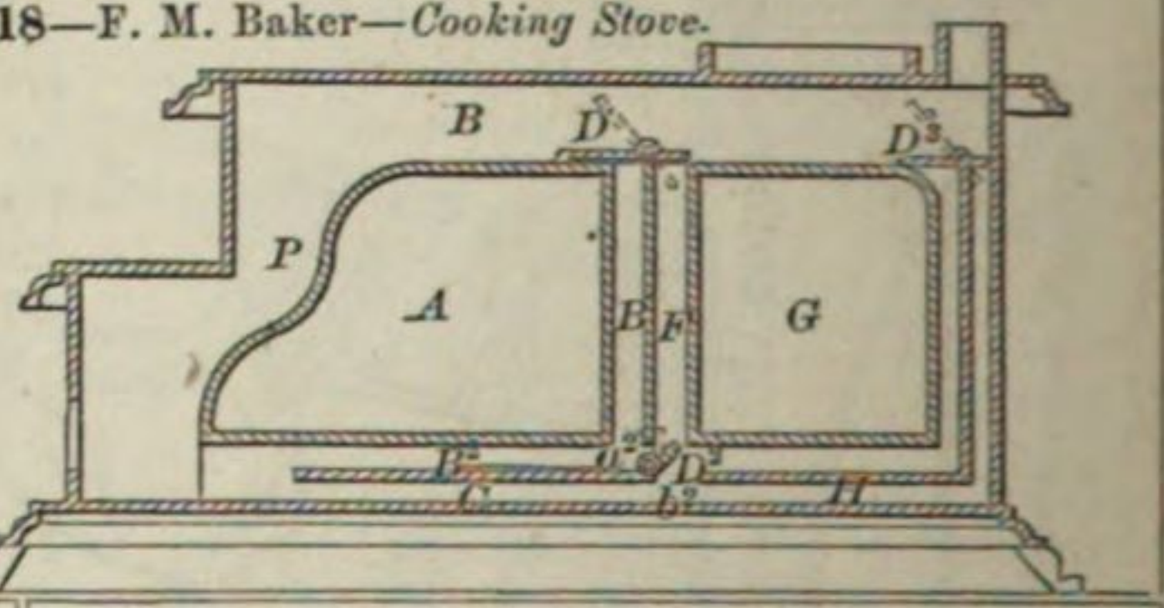
60116—T. G. Arnold—*Chuck.*



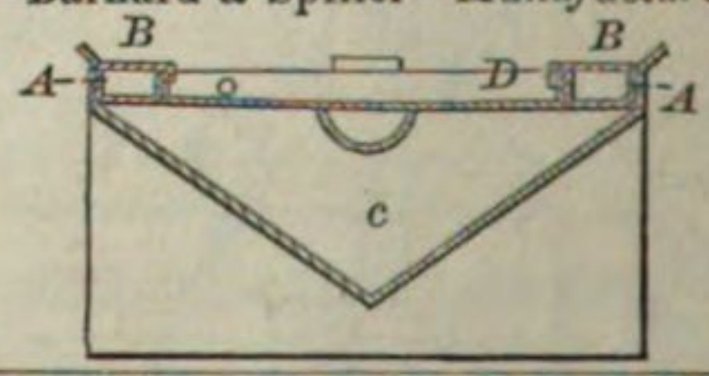
60117—E. Ashcroft—*Oil Can and Lamp.*



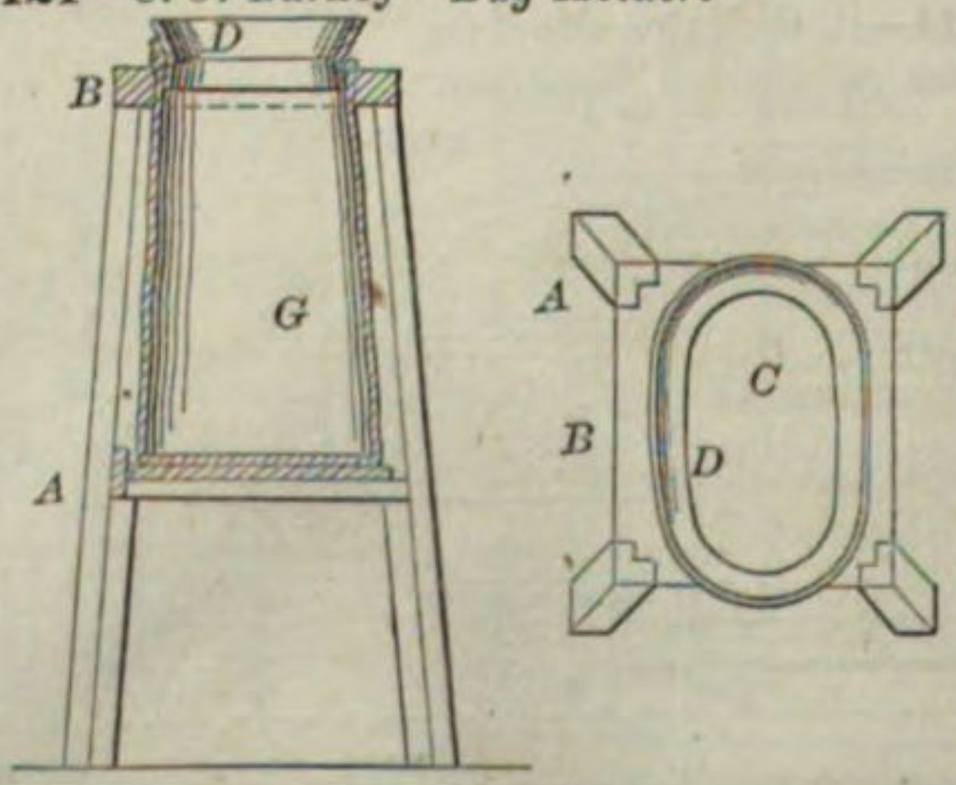
60118—F. M. Baker—*Cooking Stove.*



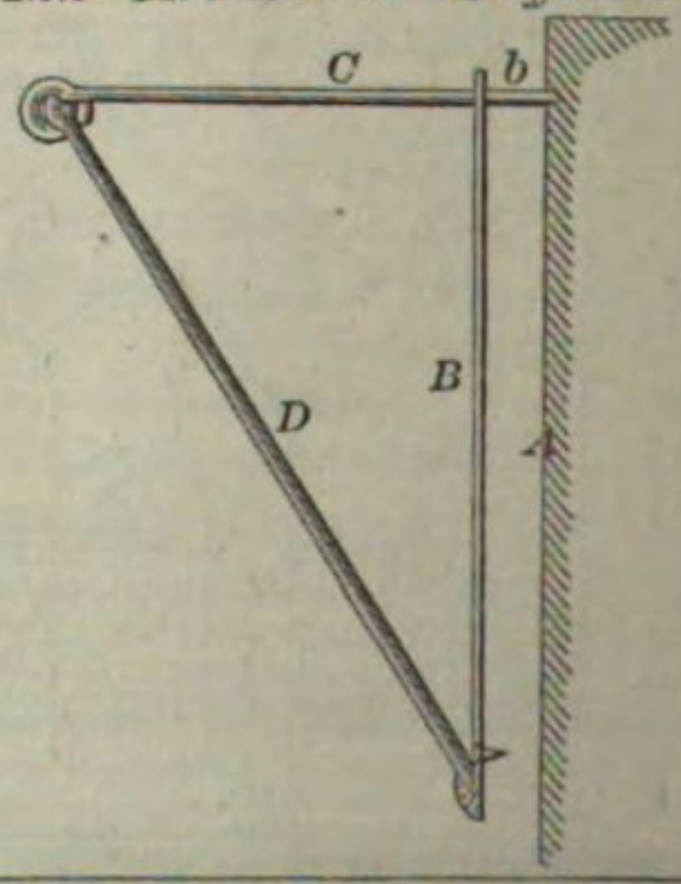
60120—Barnard & Spiller—*Manufacture of Salt Block.*



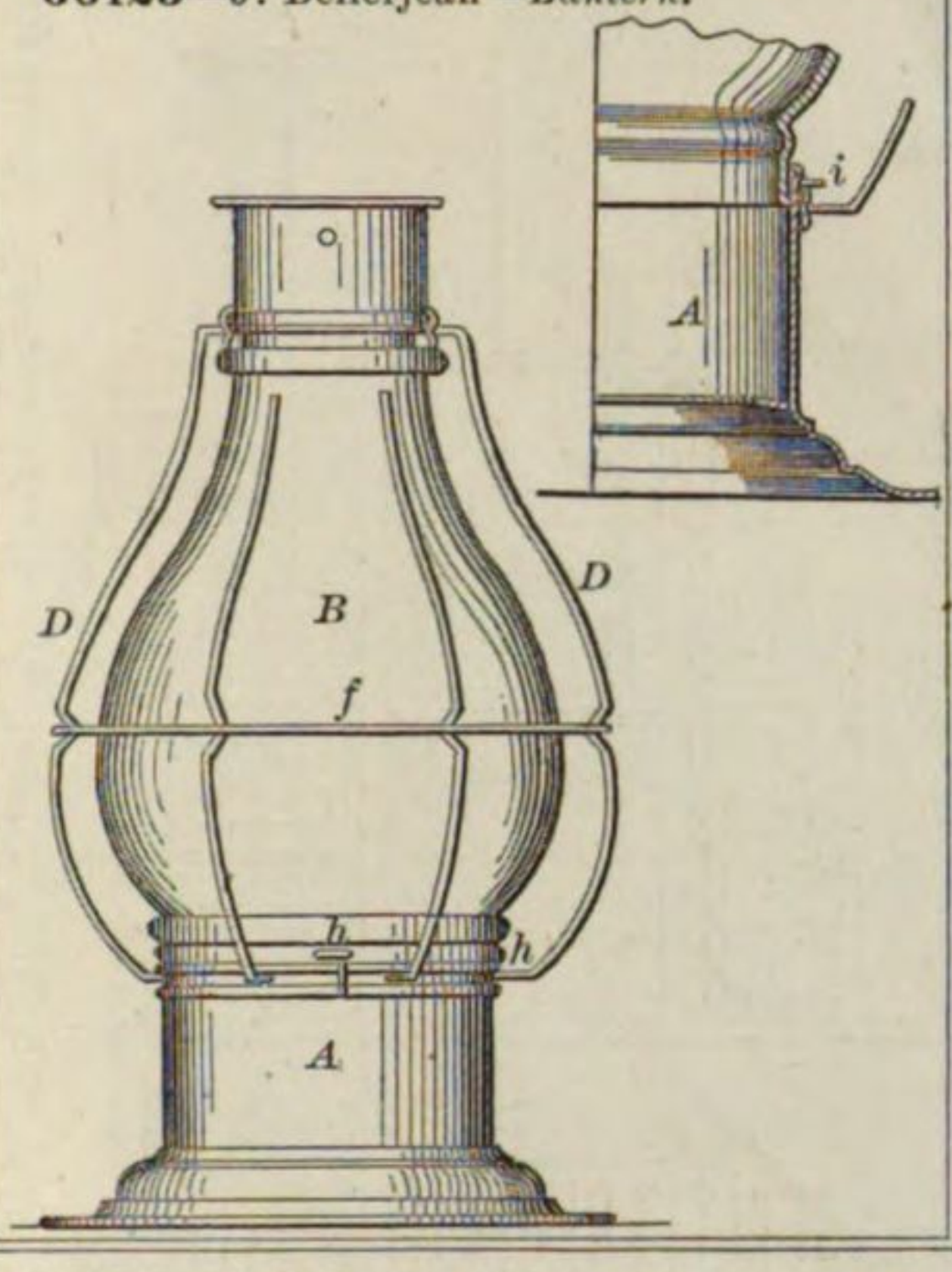
60121—C. J. Barney—*Bag Holder.*



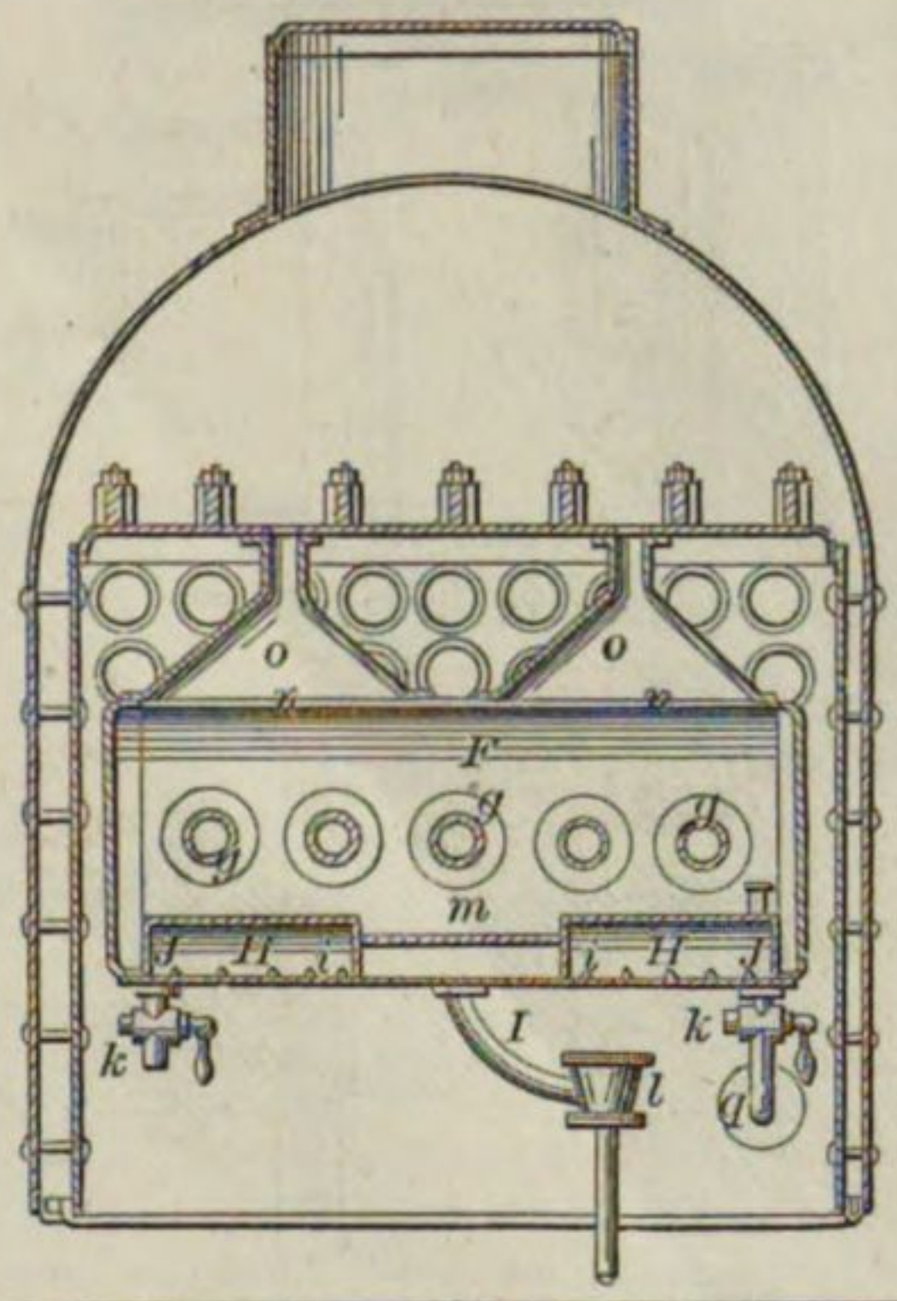
60122—H. Beckwith—*Scaffold Bracket.*



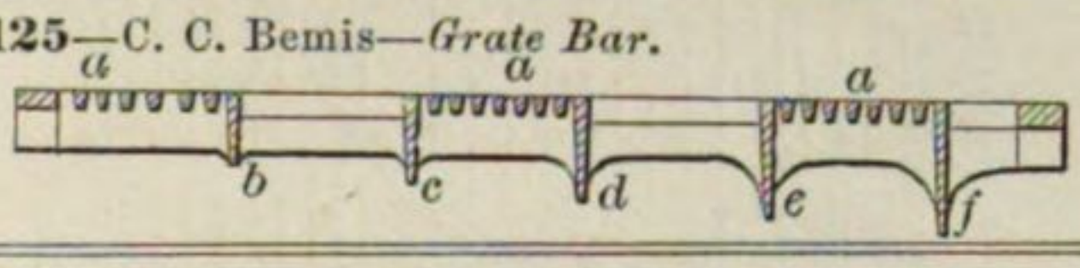
60123—J. Bellerjean—*Lantern.*



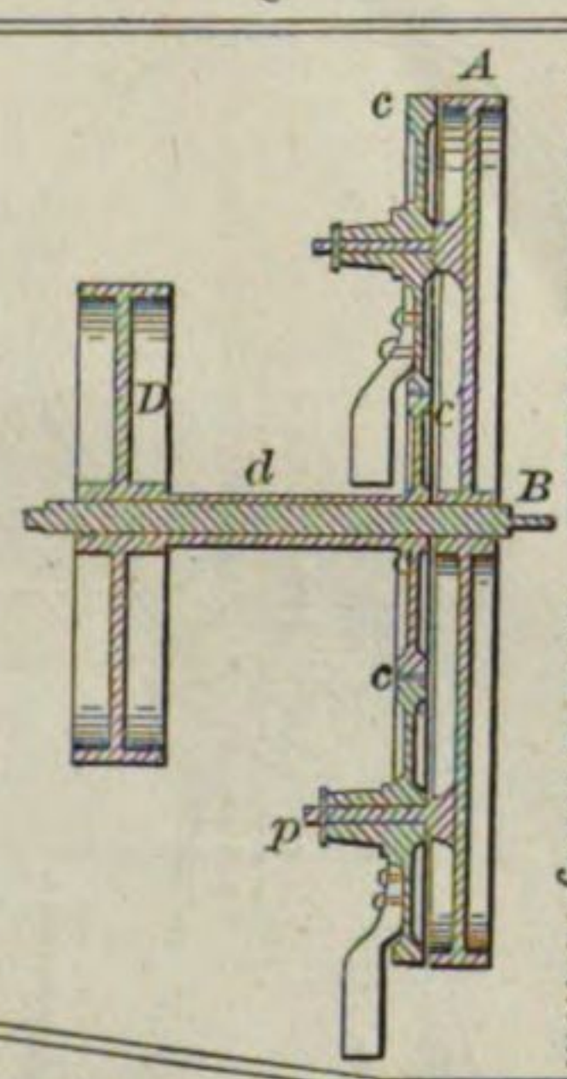
60124—T. E. Belton—*Steam Heater.*



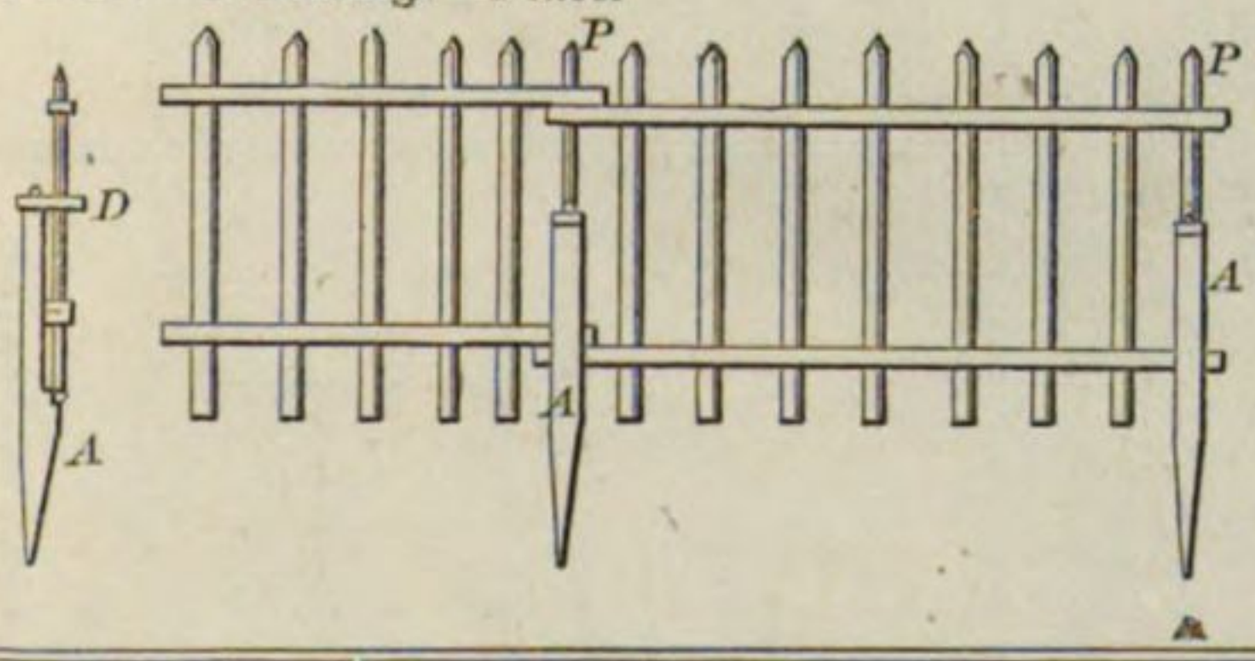
60125—C. C. Bemis—*Grate Bar.*



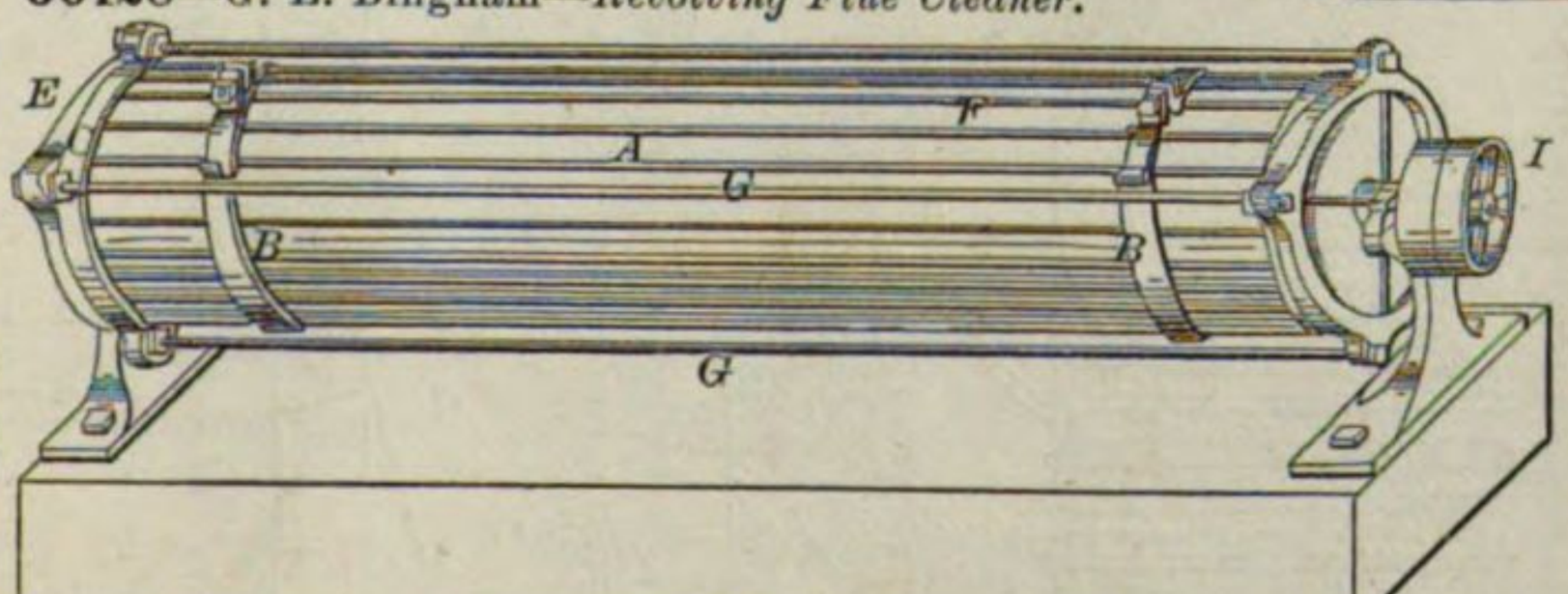
60126—W. Bicknell—*Communicating Motion.*



60127—B. Billings—*Fence.*

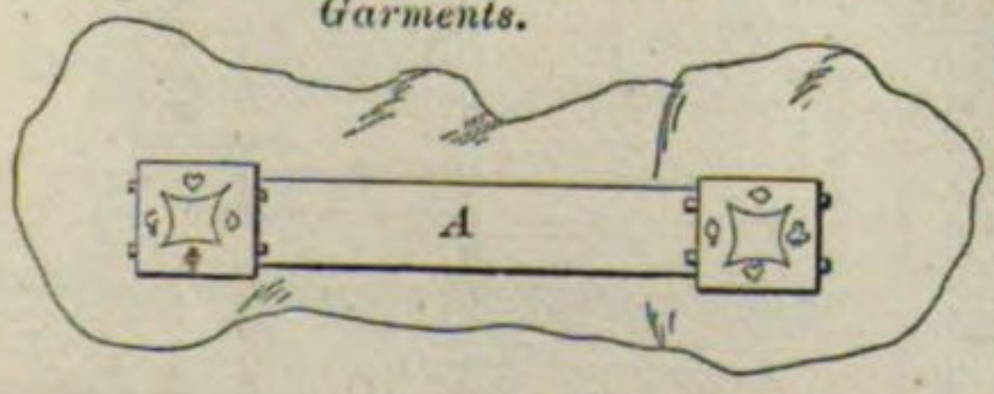


60128—G. E. Bingham—*Revolving Flue Cleaner.*

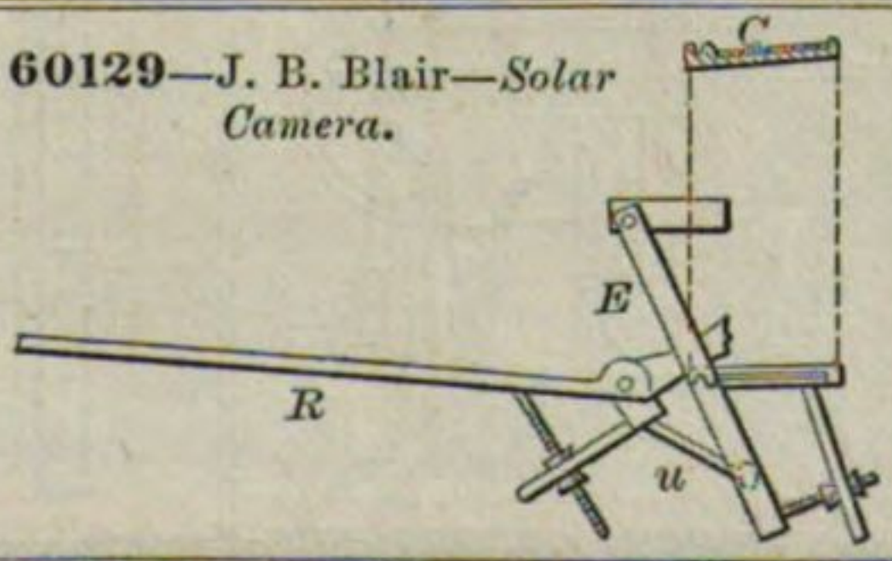


60130—W. Y. A. Boardman—*Wick Inserter for Lamps.*

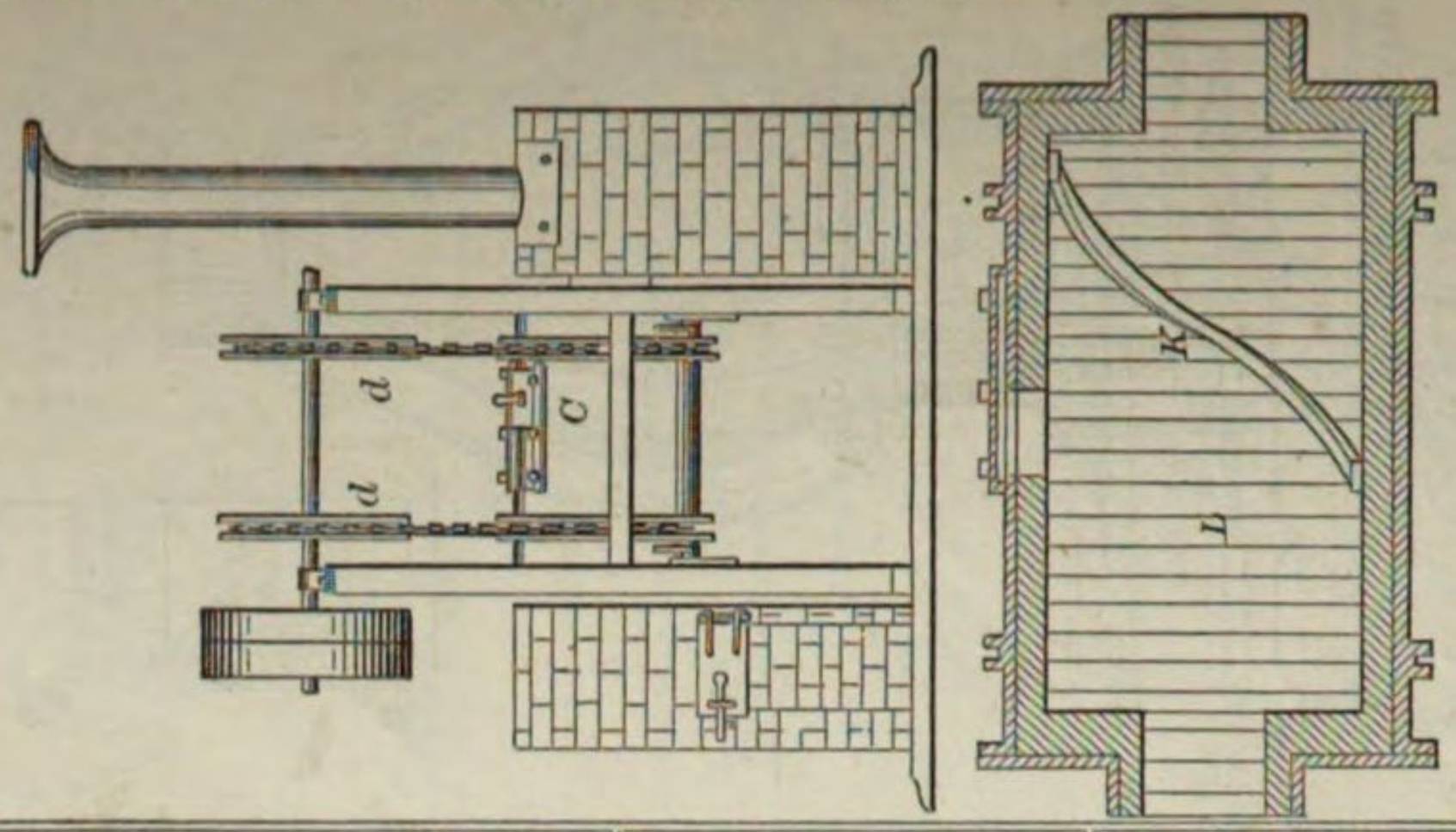
60131—J. W. Boughton—*Elastic Strap for Garments.*



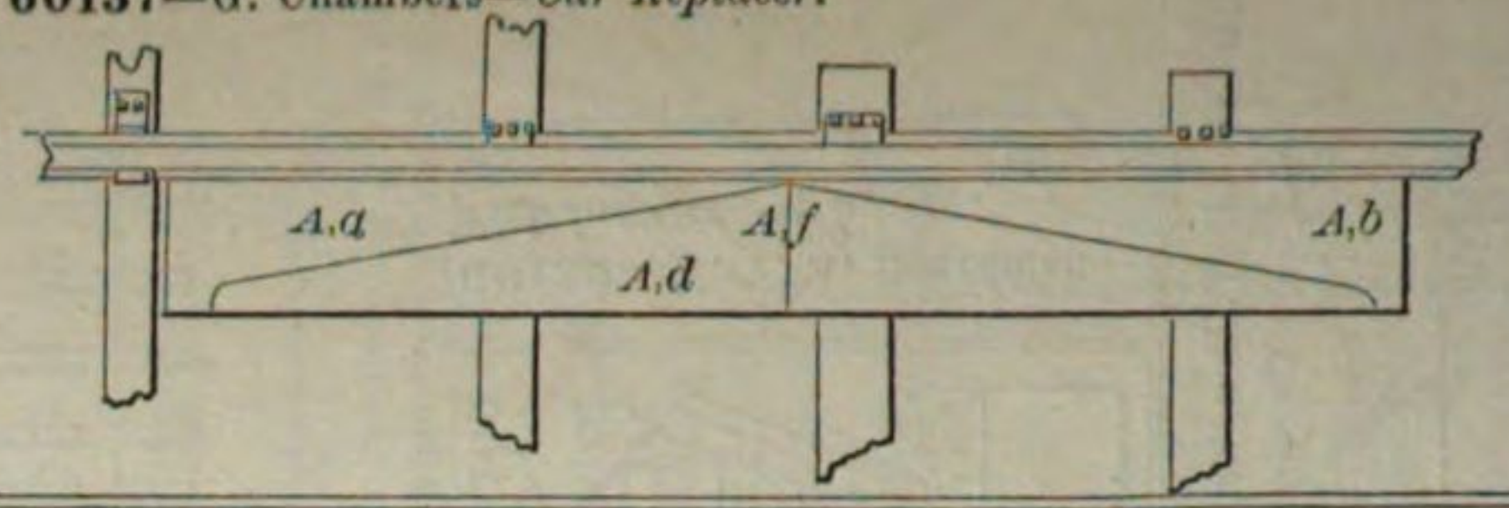
60129—J. B. Blair—*Solar Camera.*



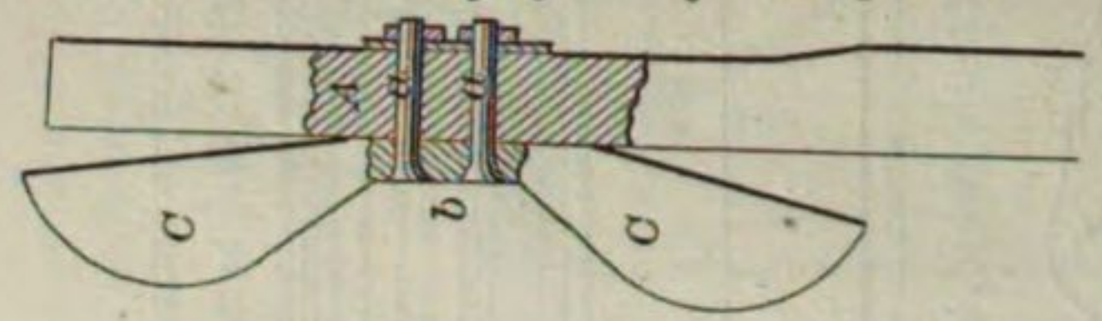
60134—W. Brückner—*Furnace for Desulphurizing Ores.*



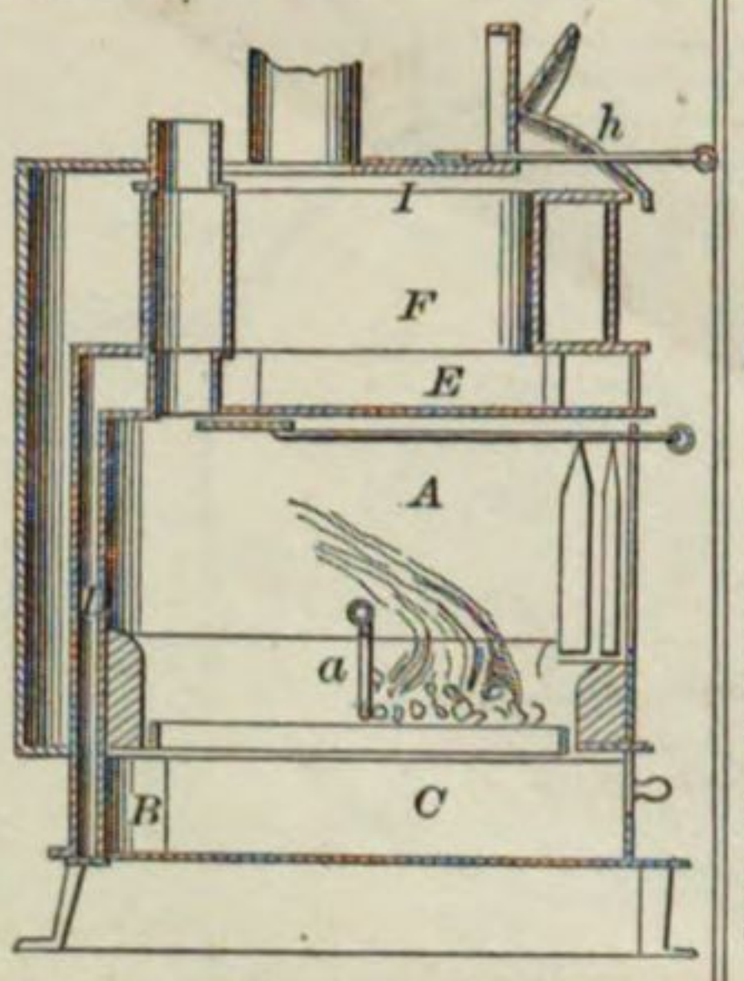
60137—G. Chambers—*Car Replacer.*



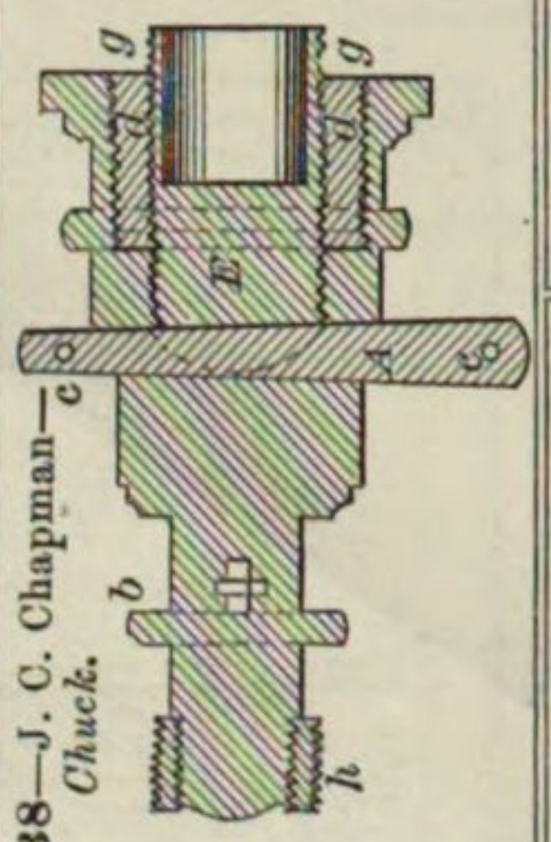
60136—A. Casebeer—*For Destroying Embryo Caterpillar.*



60132—L. Bridge—*Heating Stove.*

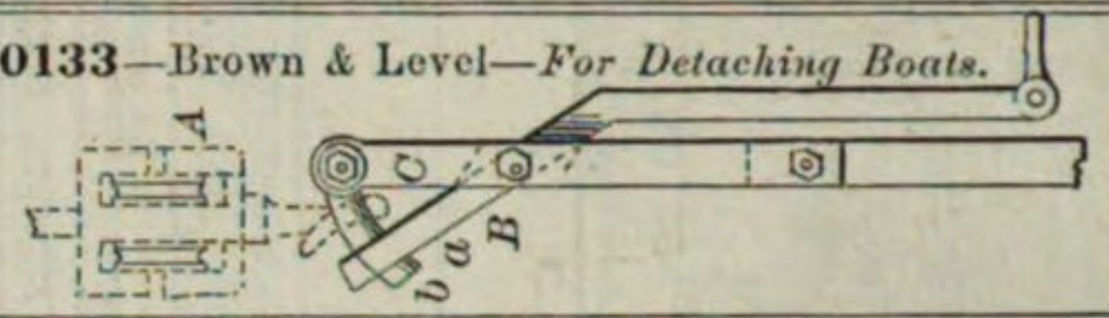


60138—J. C. Chapman—*Chuck.*

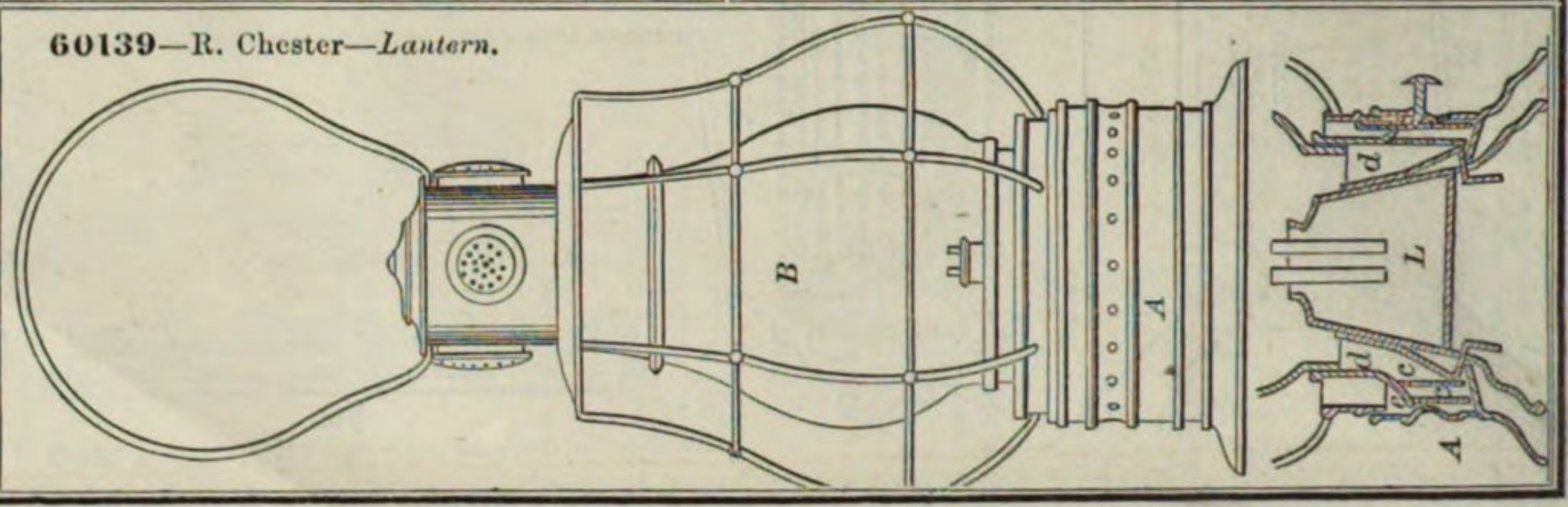


60135—A. Button—*Buckle.*

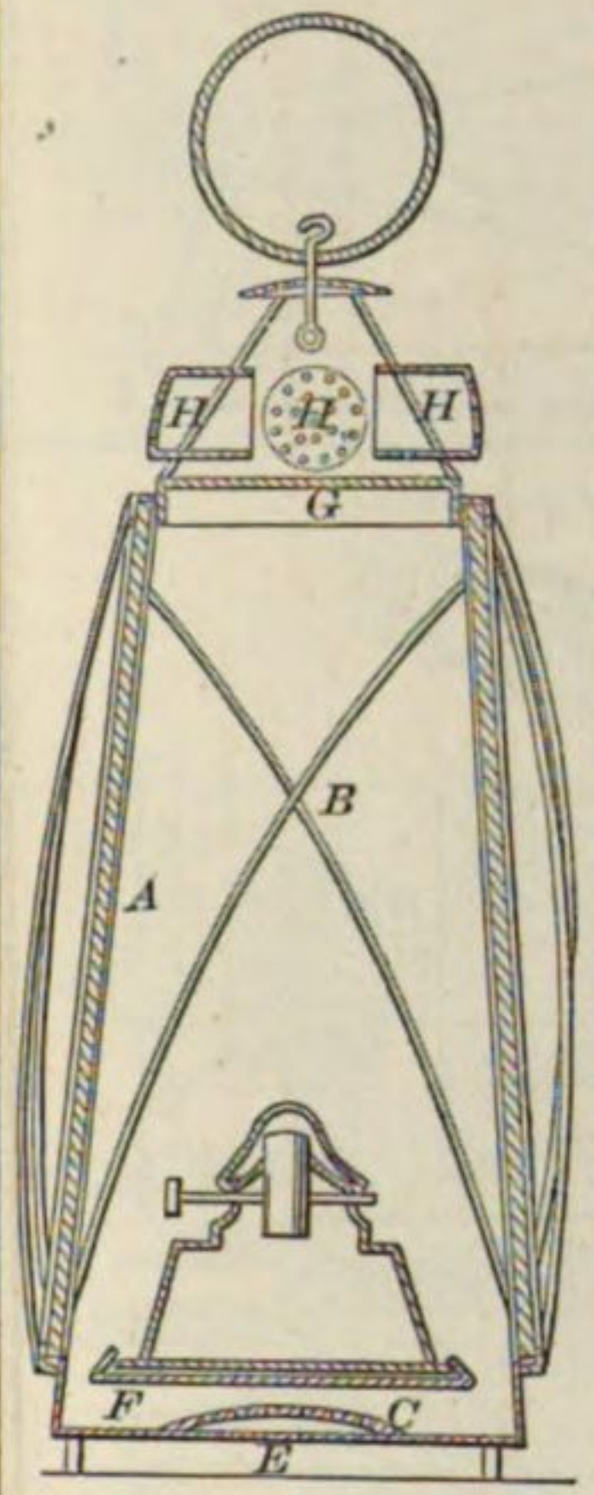
60133—Brown & Level—*For Detaching Boats.*



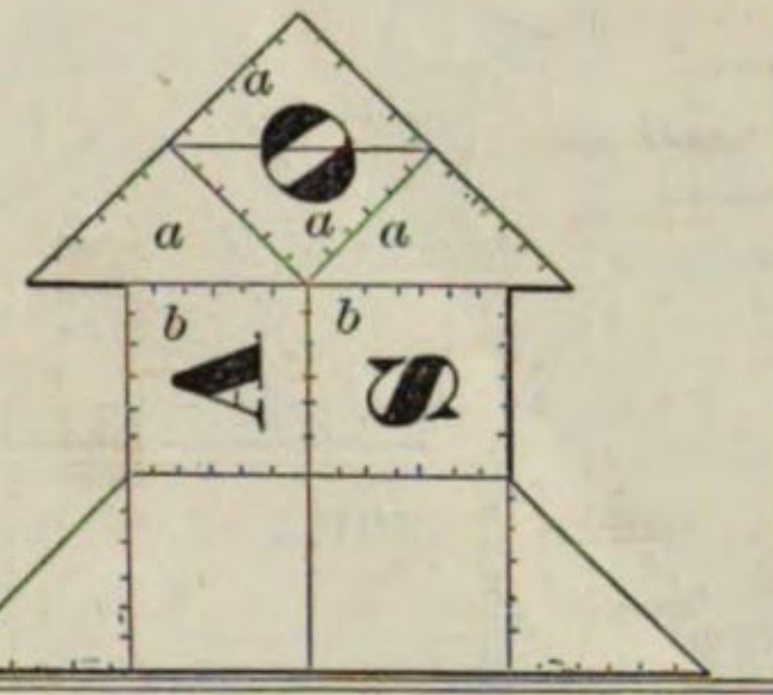
60139—R. Chester—*Lantern.*



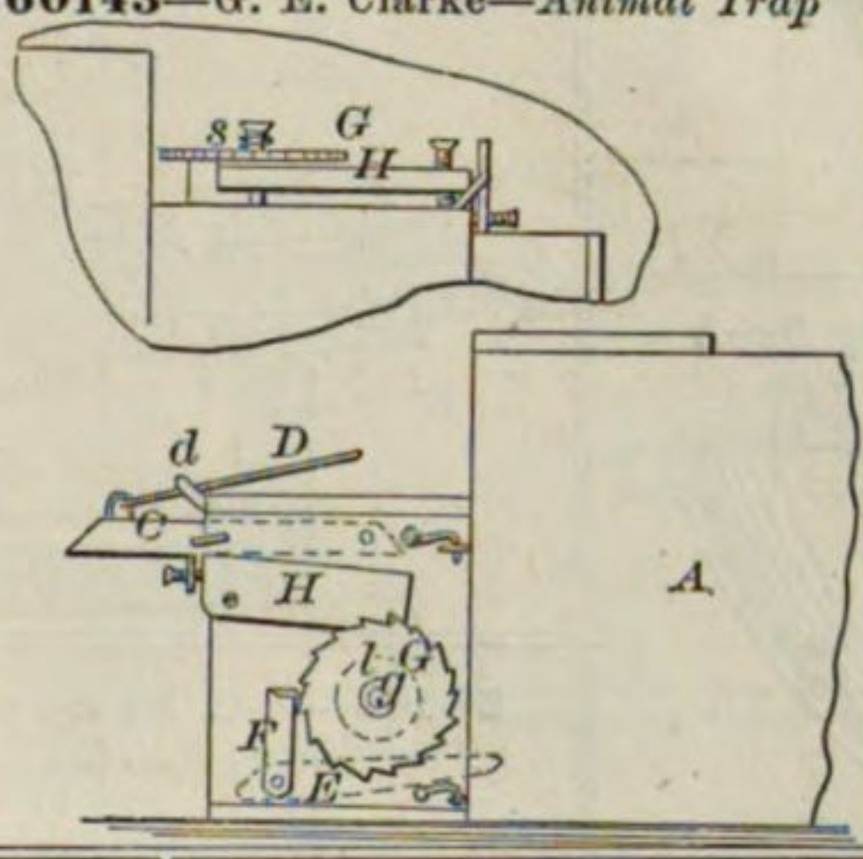
60140—R. Chester—*Lantern.*



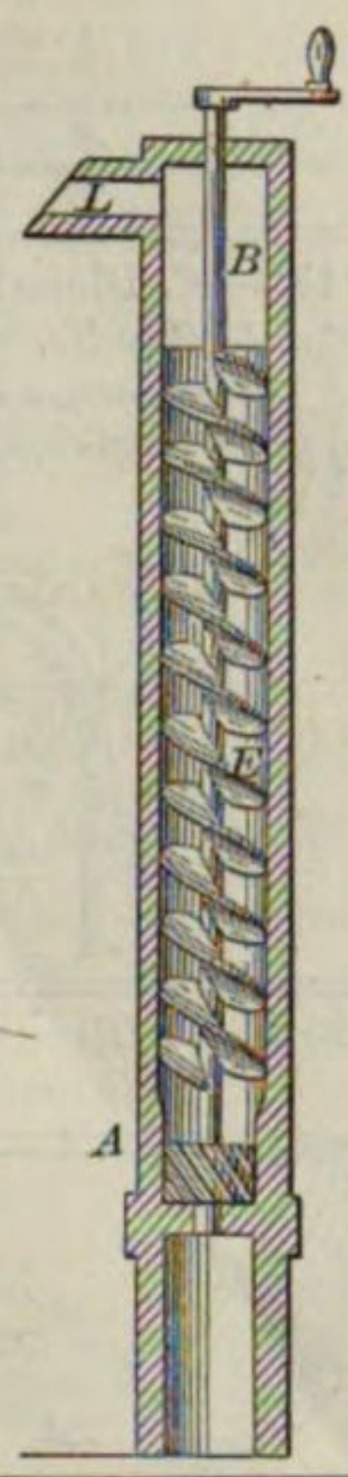
60141—G. H. Chinnock—*Toy Block.*



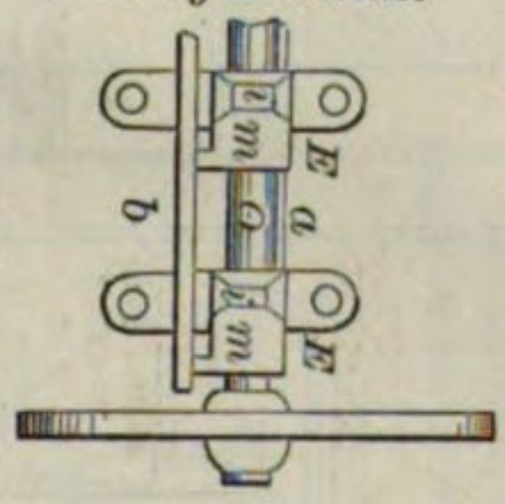
60143—G. E. Clarke—*Animal Trap*

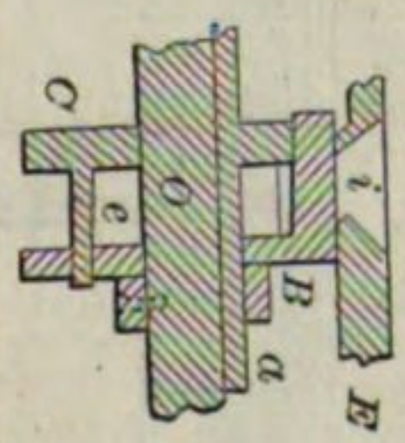


60145—E. H. Covel—*Centrifugal Pump.*



60147—H. D. Dann—*Seeding Machine.*





60144—E. Coon—*Vise.*

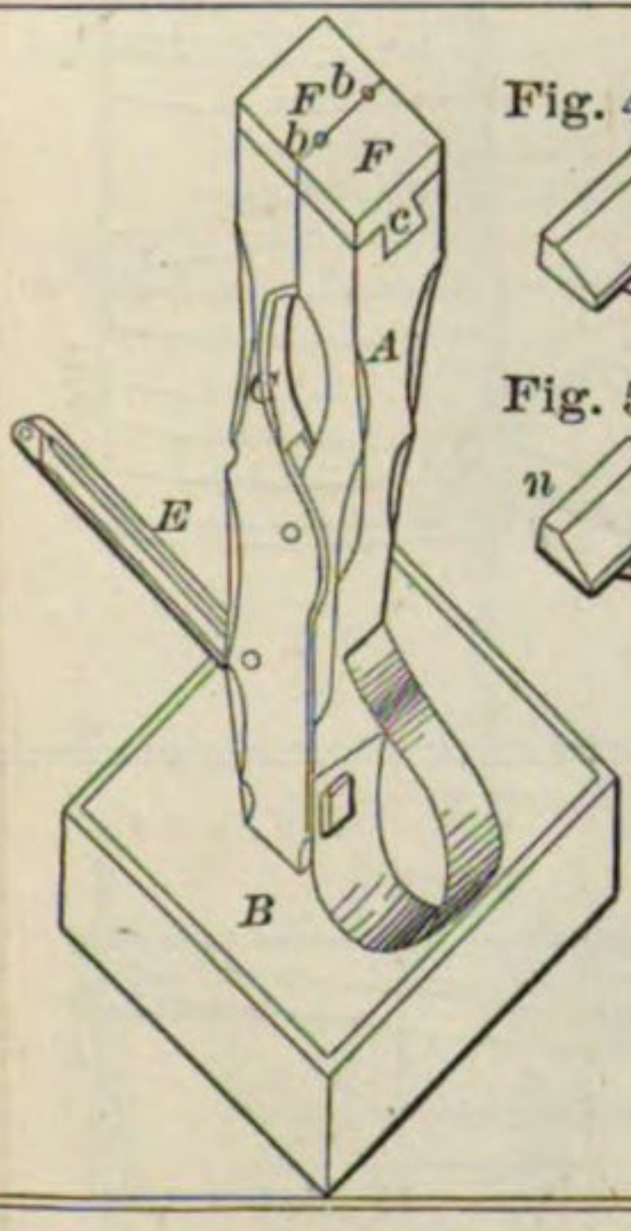
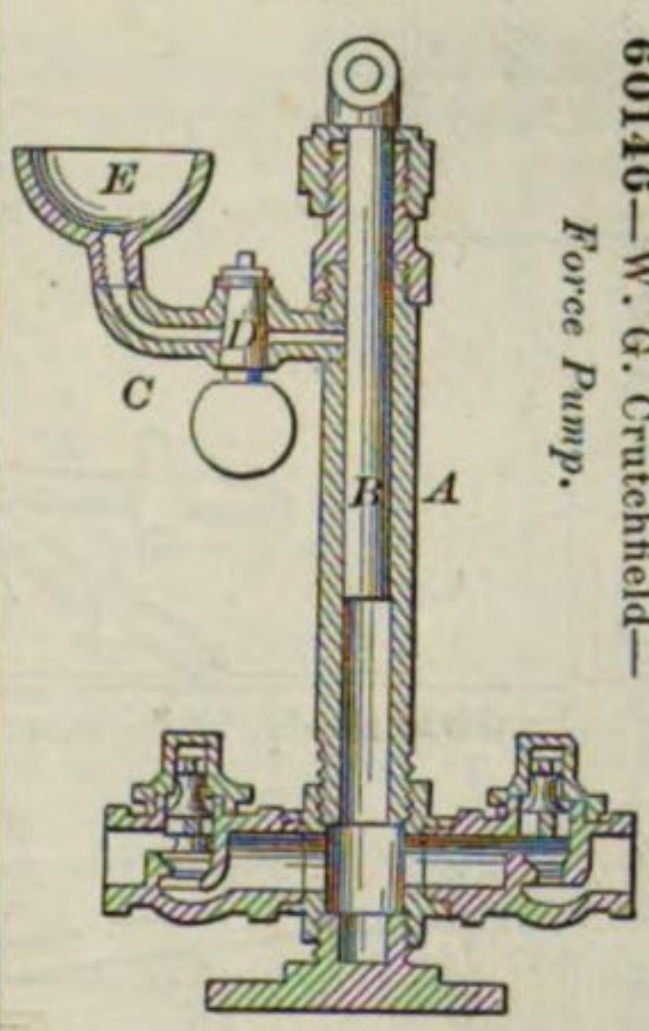


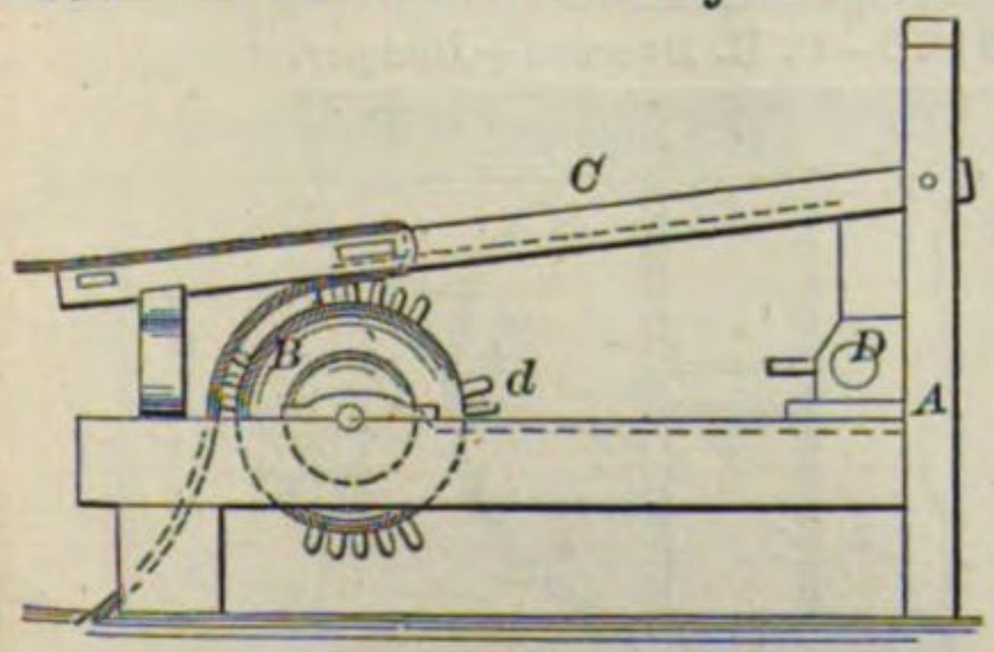
Fig. 4

Fig. 5

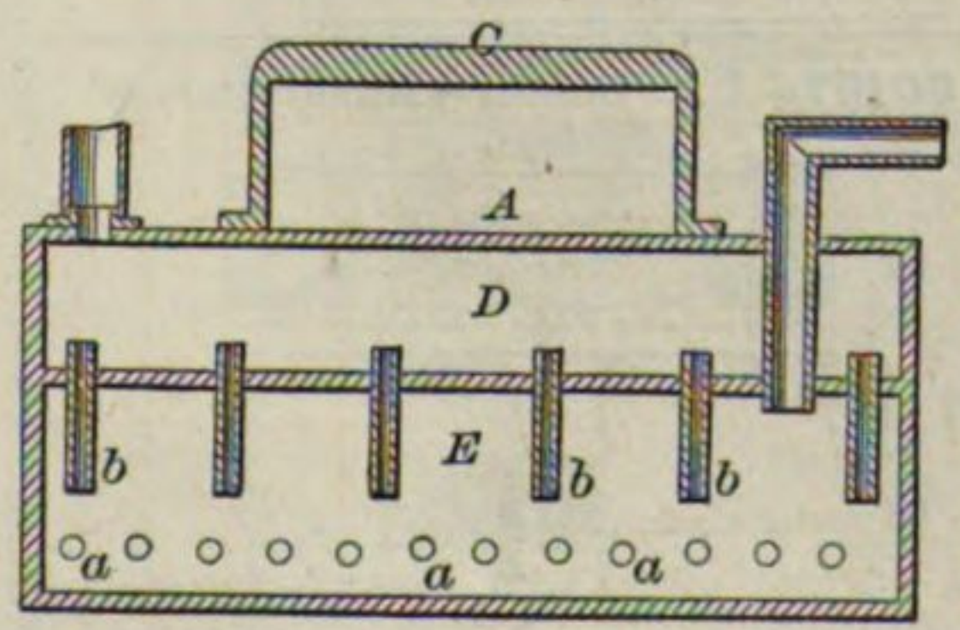
60146—W. G. Crutchfield—*Force Pump.*



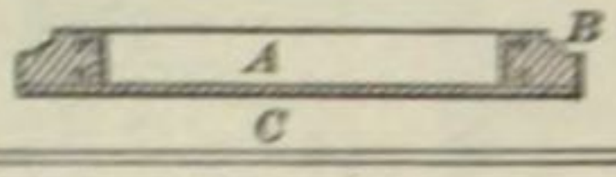
60149—F. Davis—*For Scouring Leather.*



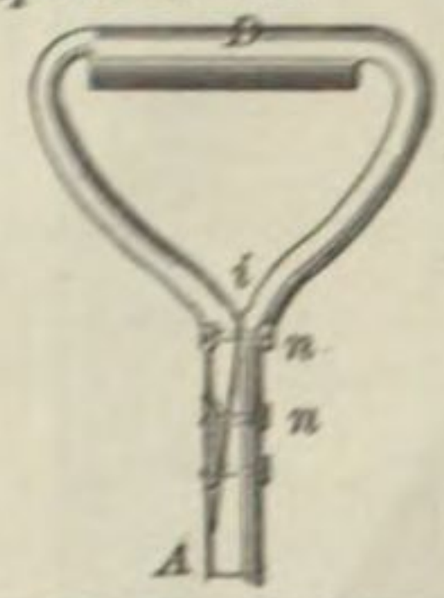
60150—J. S. Dennis—*Sad Iron Heater.*



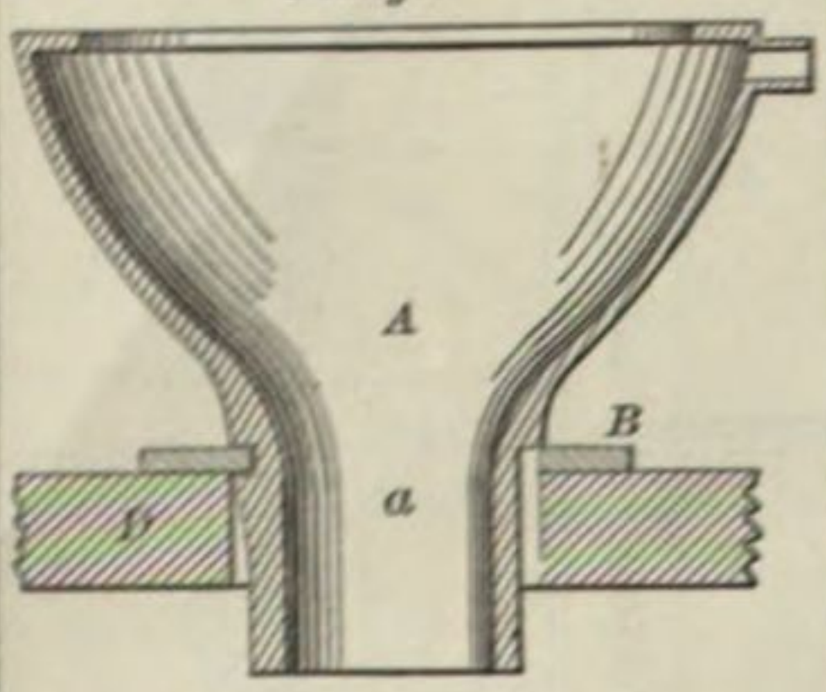
60151—A. T. De Puy—*Printer's Galley.*



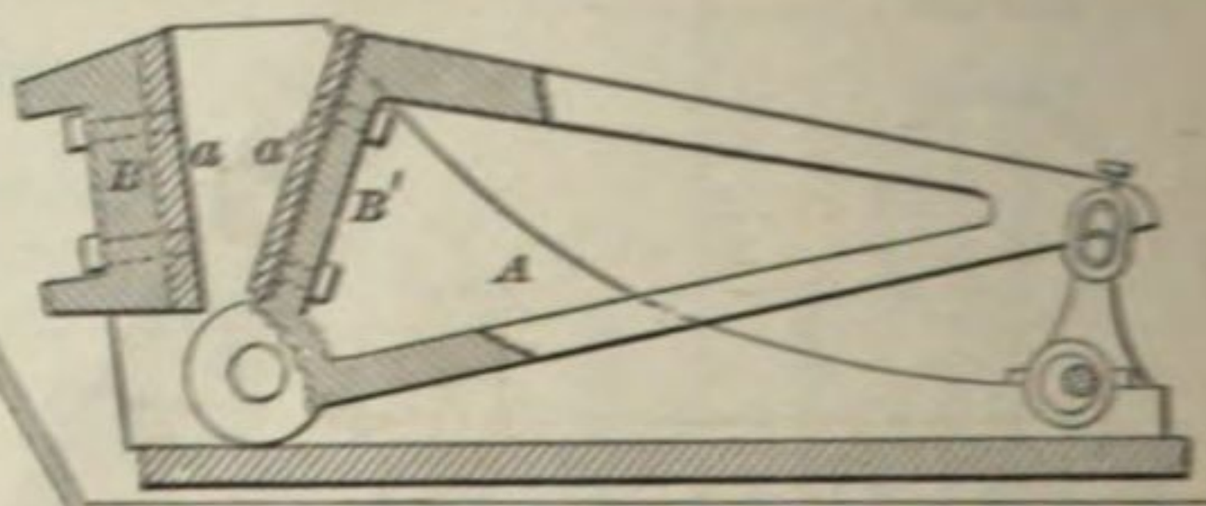
60152—C. Dimmick—*Spade Handle.*



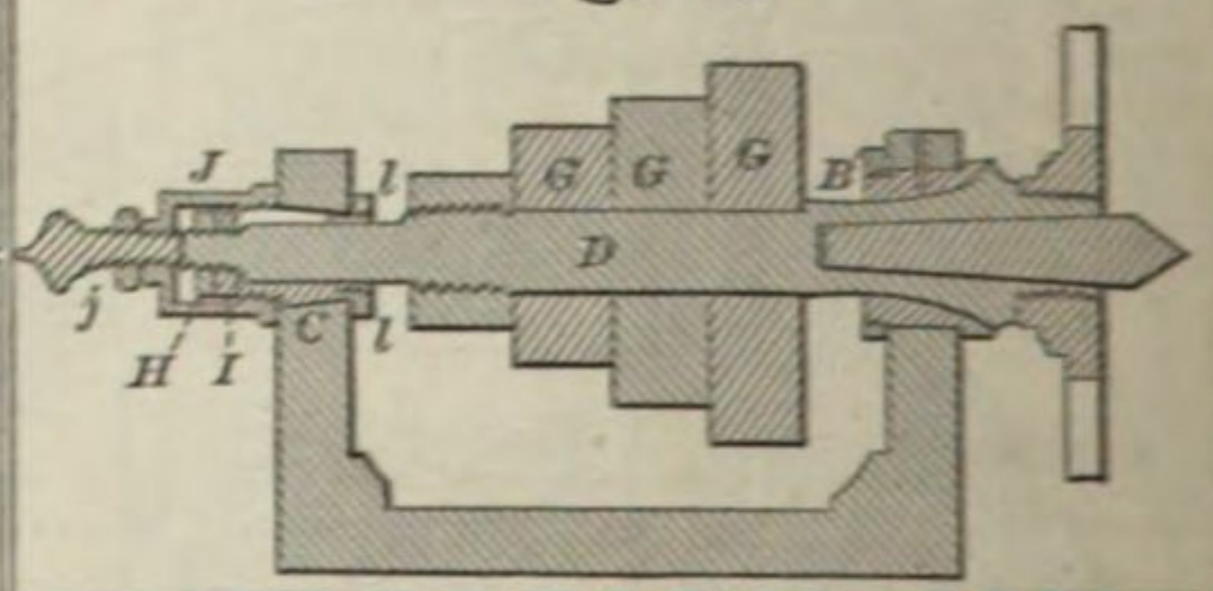
60153—R. Diven—*Privy Bowl Flange.*



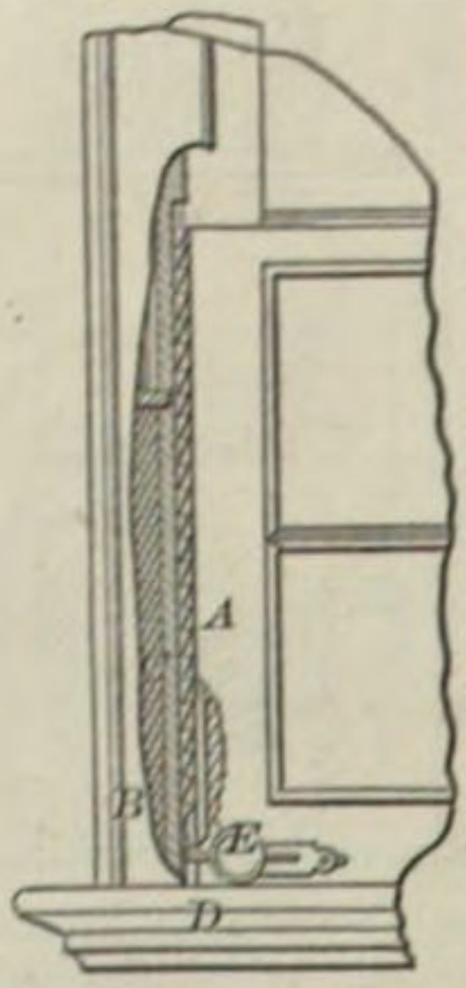
60154—M. B. Dodge—*Ore Crusher.*



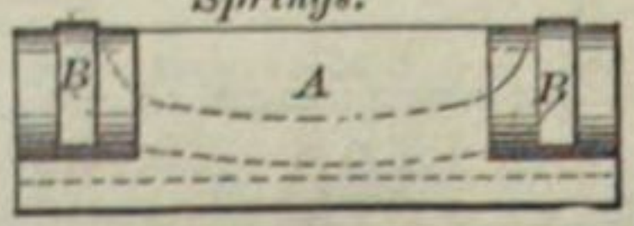
60155—R. W. Drew—*Turning Lathe.*



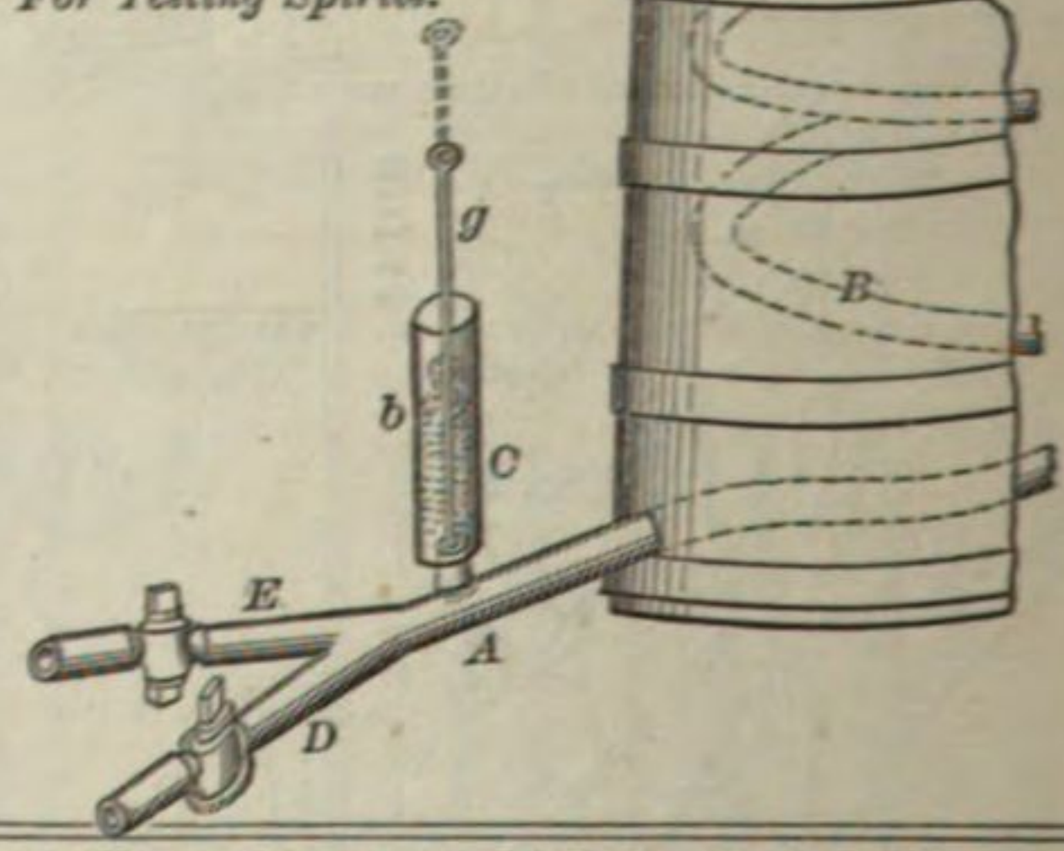
60156—E. F. Driggs—*Sash Fastener.*



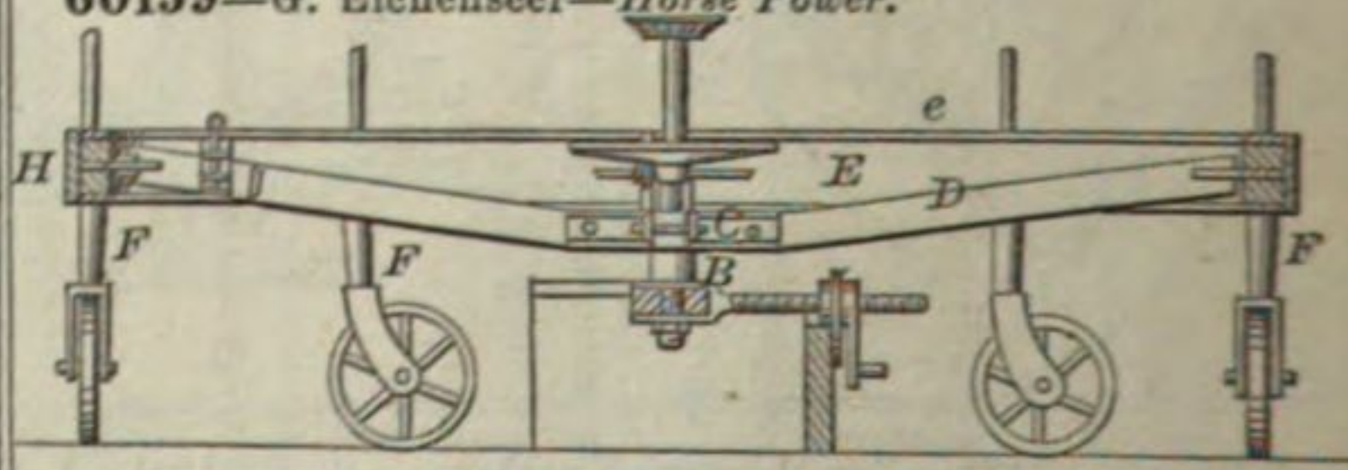
60157—J. F. Dubber—*Manufacture of Springs.*



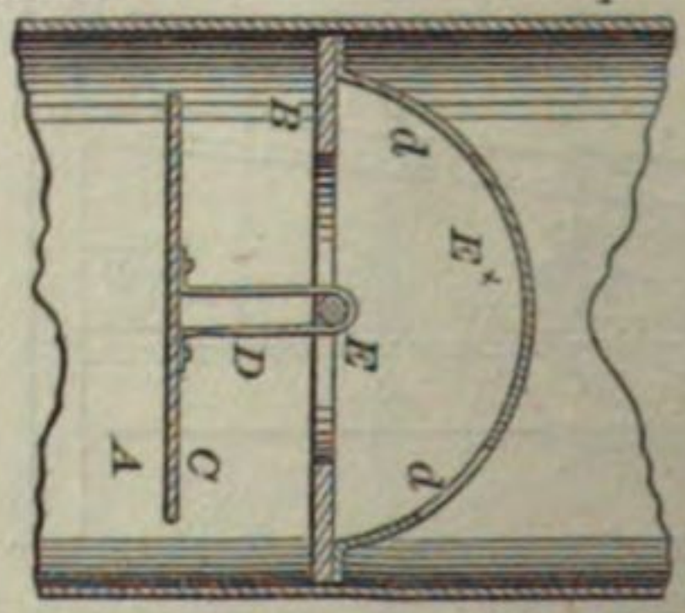
60158—J. C. Dunlevy—*For Testing Spirits.*



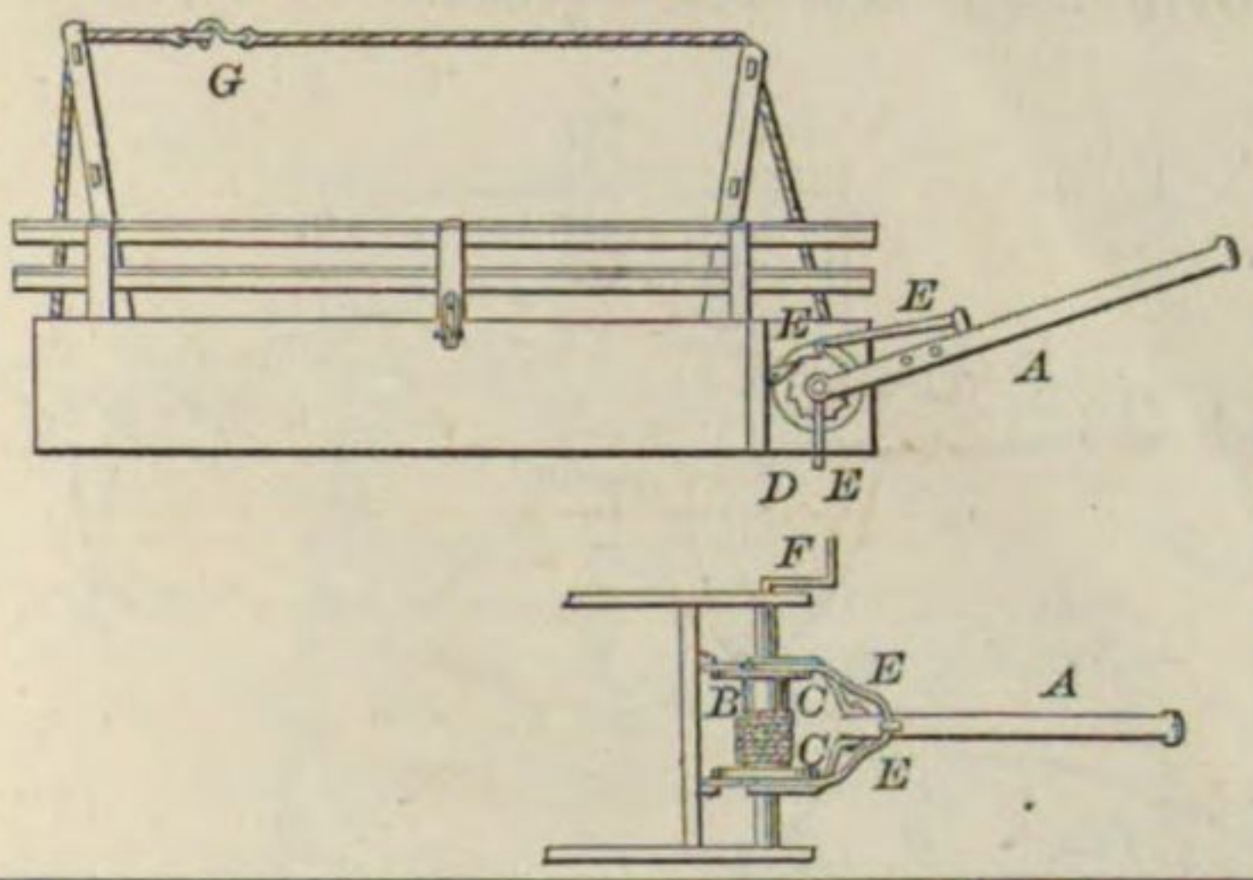
60159—G. Eichenseer—*Horse Power.*



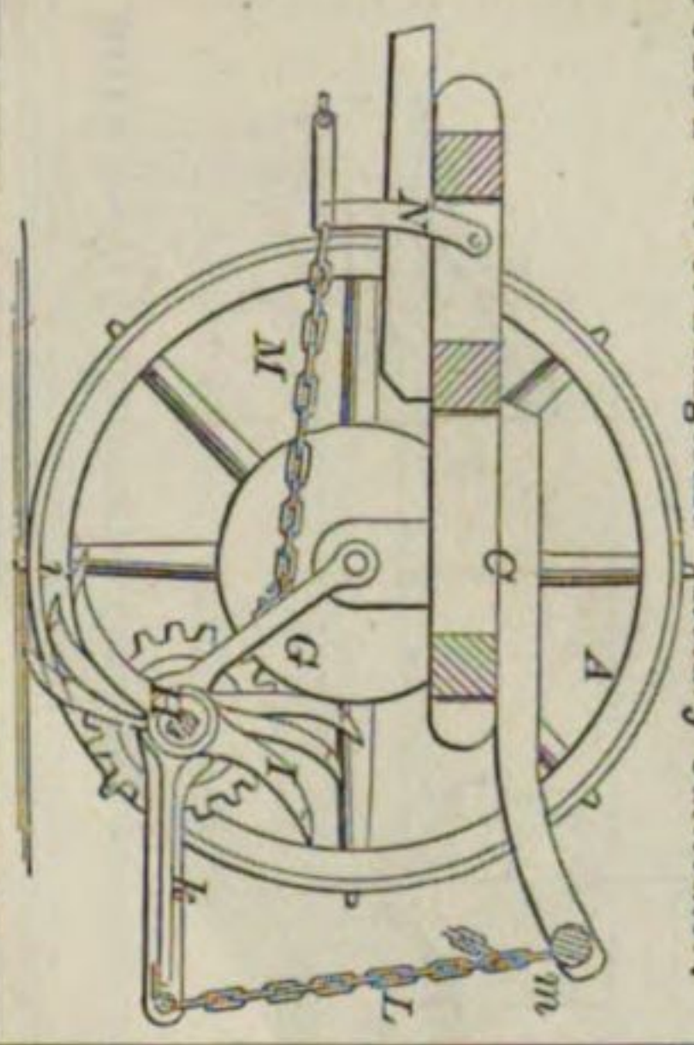
60160—C. R. Everson—*Damper.*



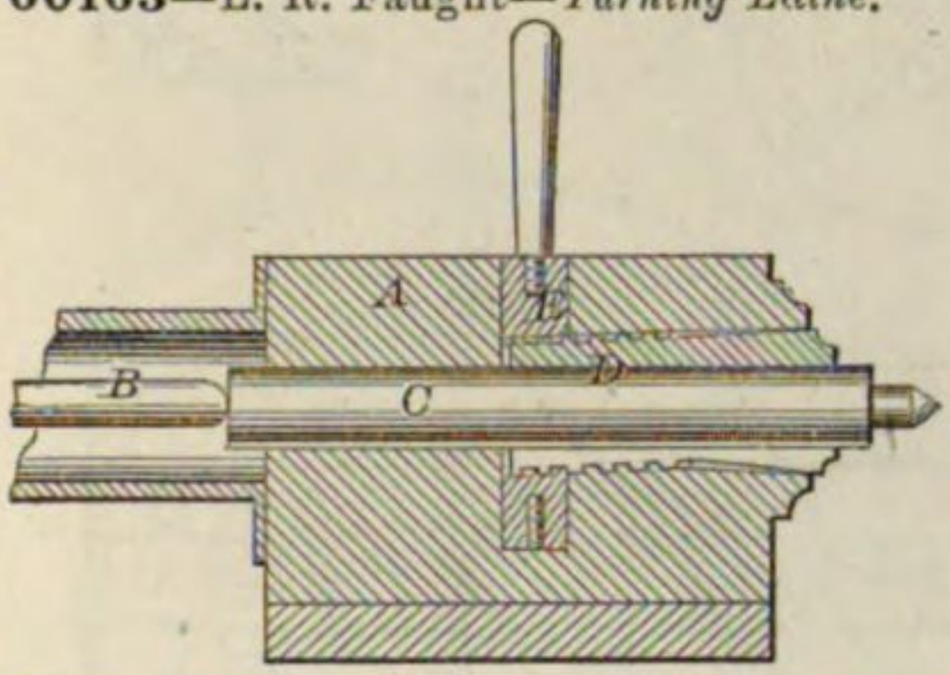
60161—F. M. Evringham—*Wagon Hay Rack.*



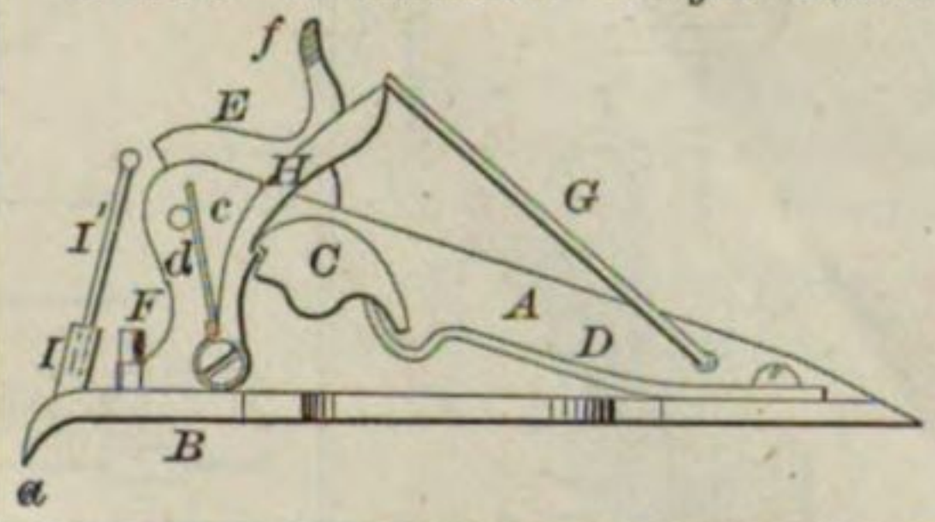
60164—J. C. Fitzgerald—*Rotary Cultivator.*



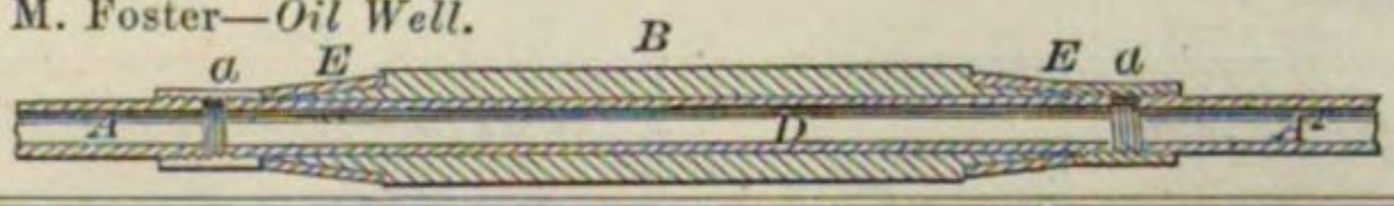
60163—L. R. Faught—*Turning Lathe.*



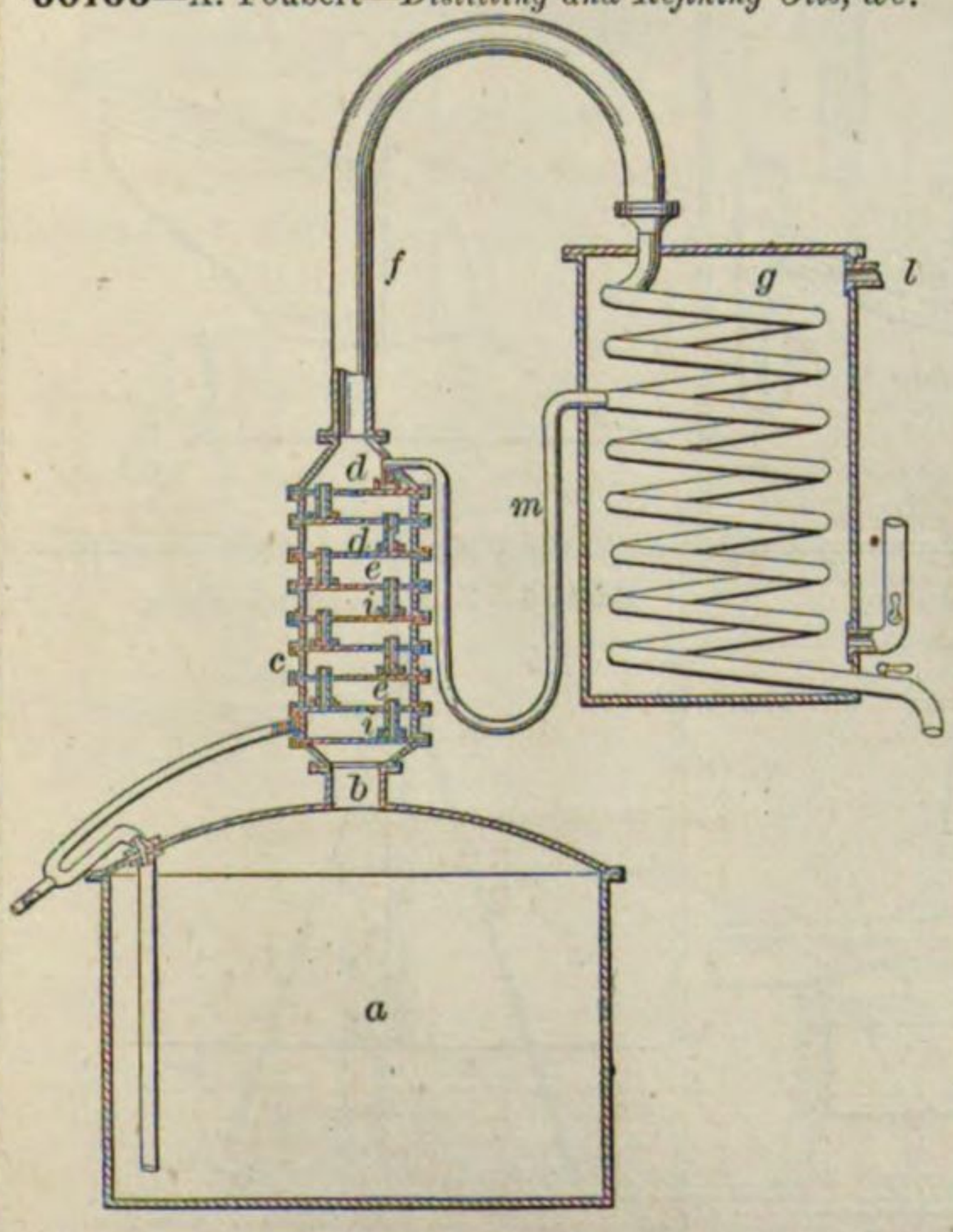
60162—W. Farnham—*Burglar Alarm.*



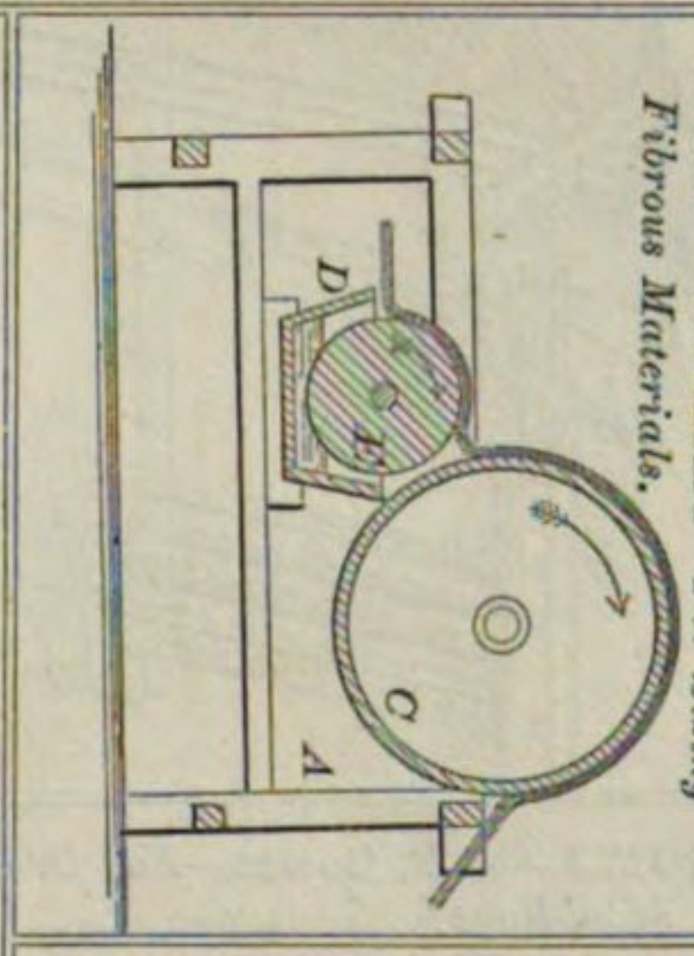
60165—T. M. Foster—*Oil Well.*



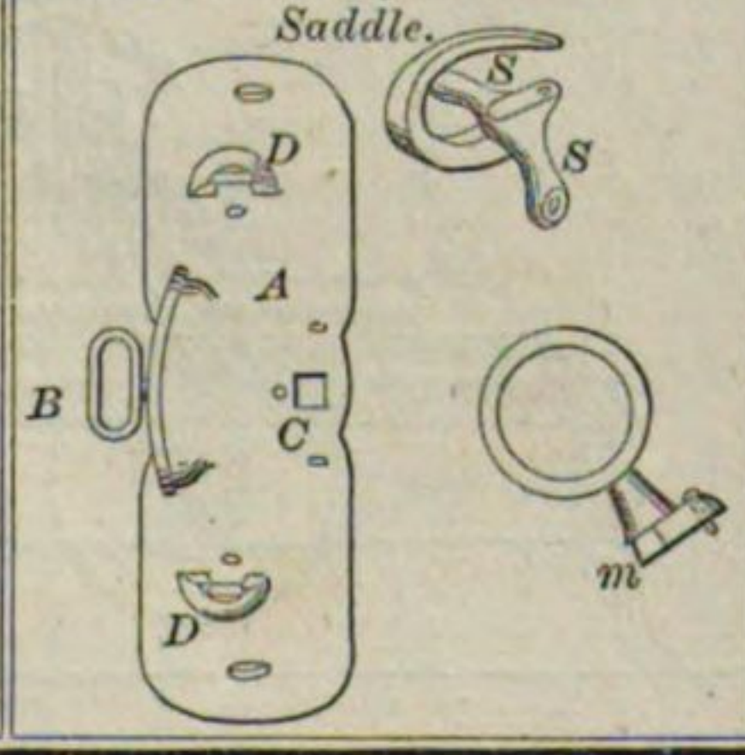
60166—A. Foubert—*Distilling and Refining Oils, &c.*



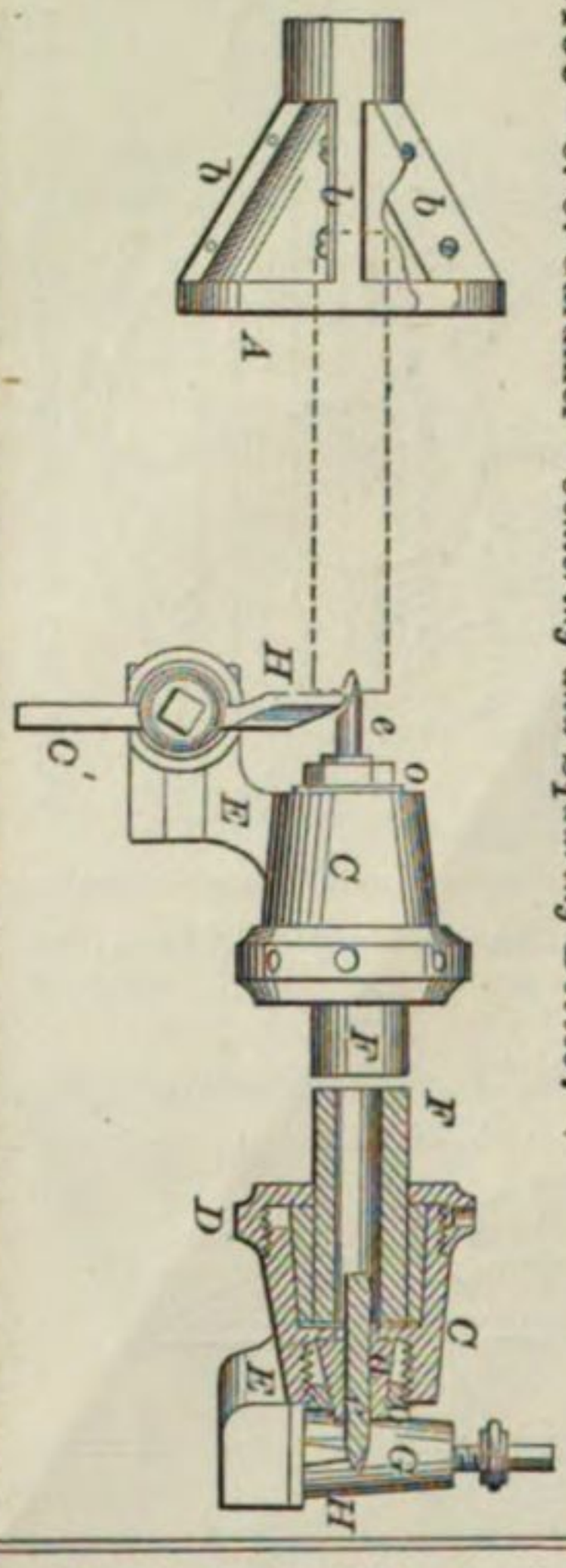
60167—W. Fuzzard—*For Sizing Fibrous Materials.*



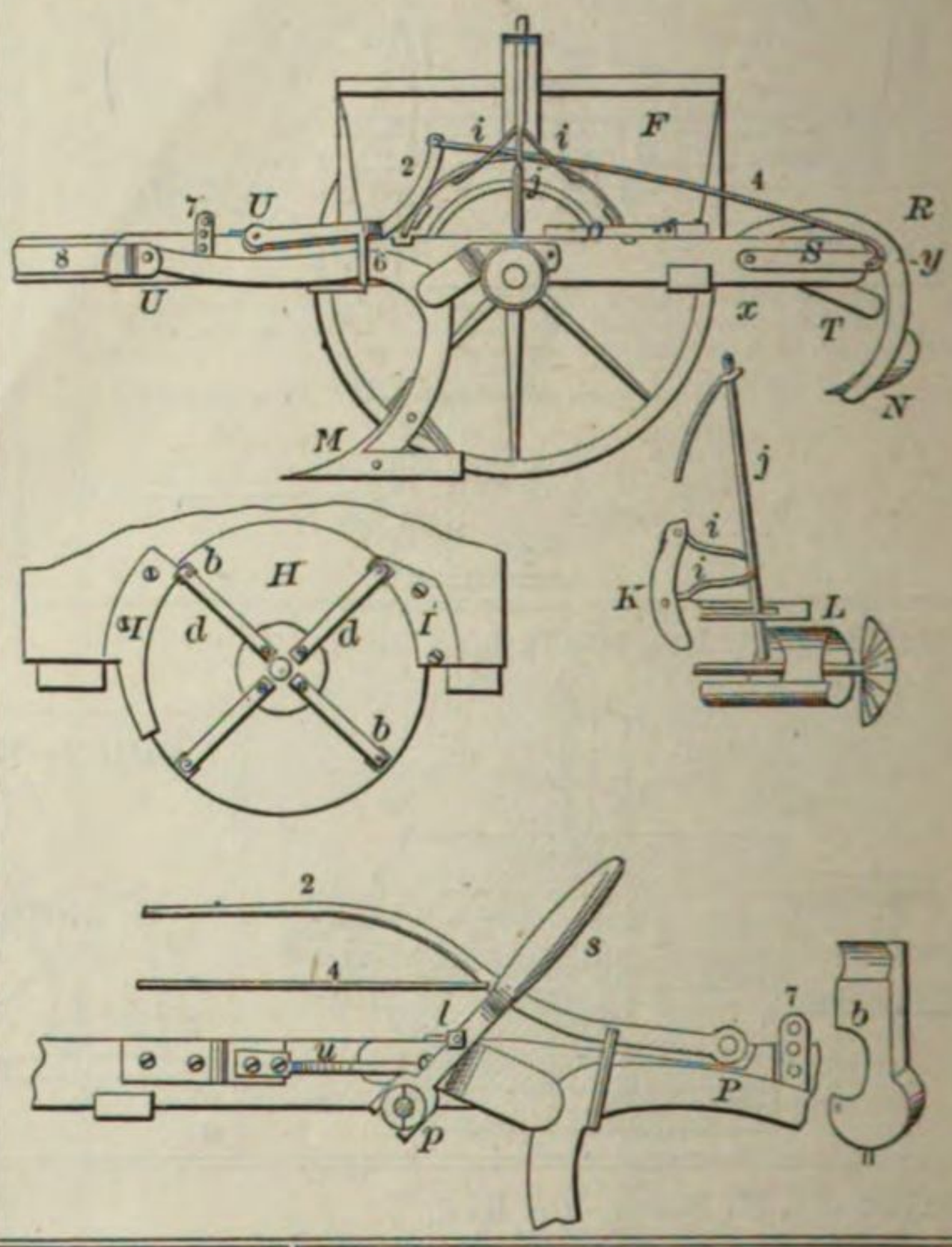
60168—J. Fye—*Harness Saddle.*



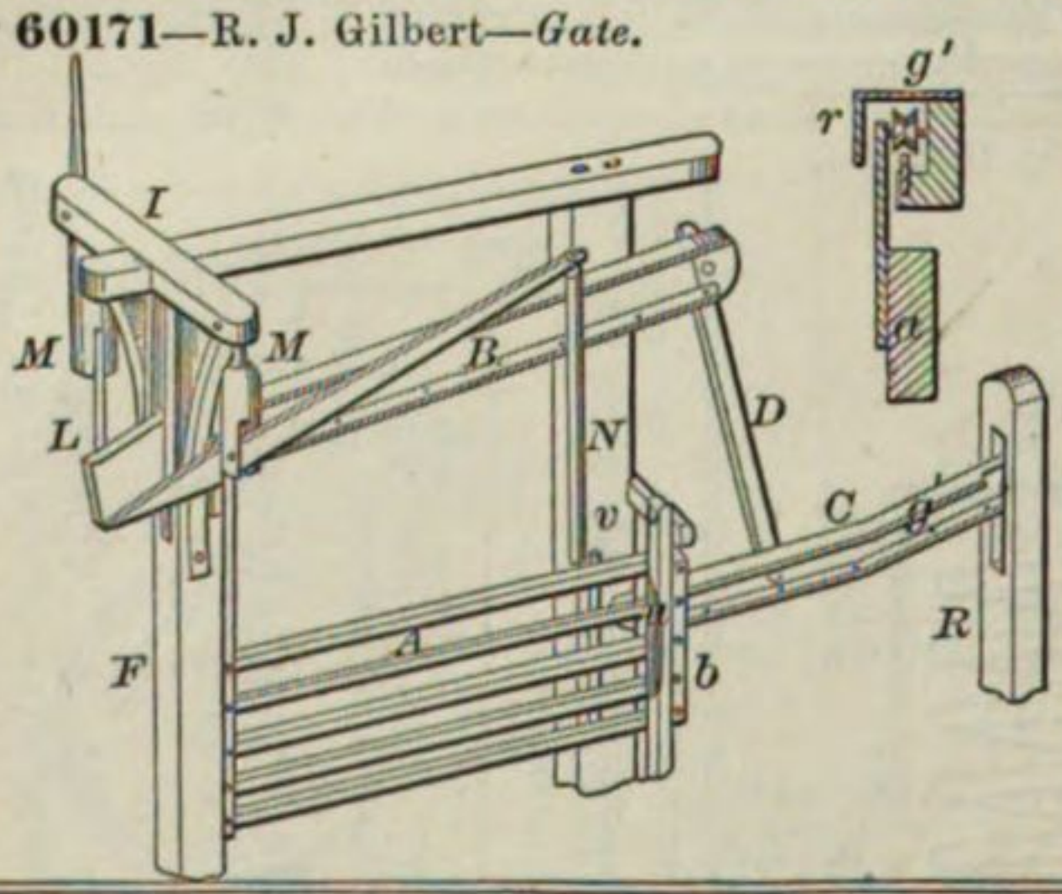
60169—C. O. Gardiner—*Centering and Squaring Device.*



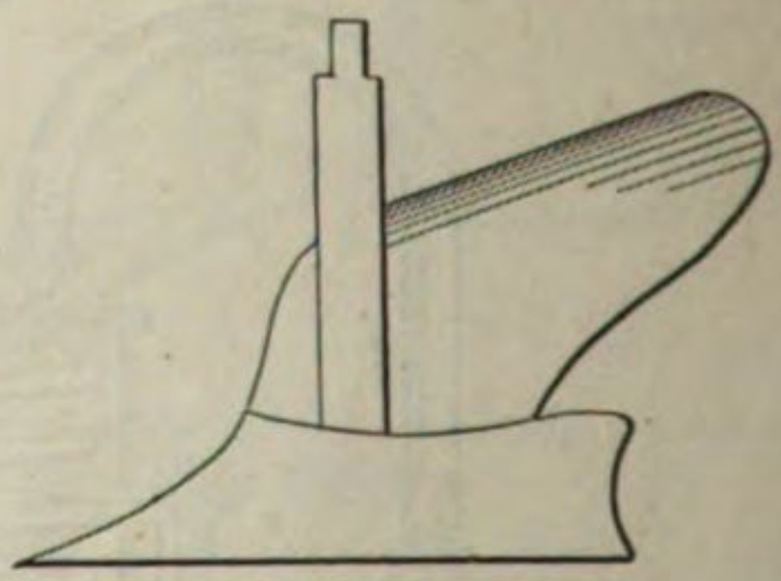
60170—W. L. Gebby—*Cotton Planter.*



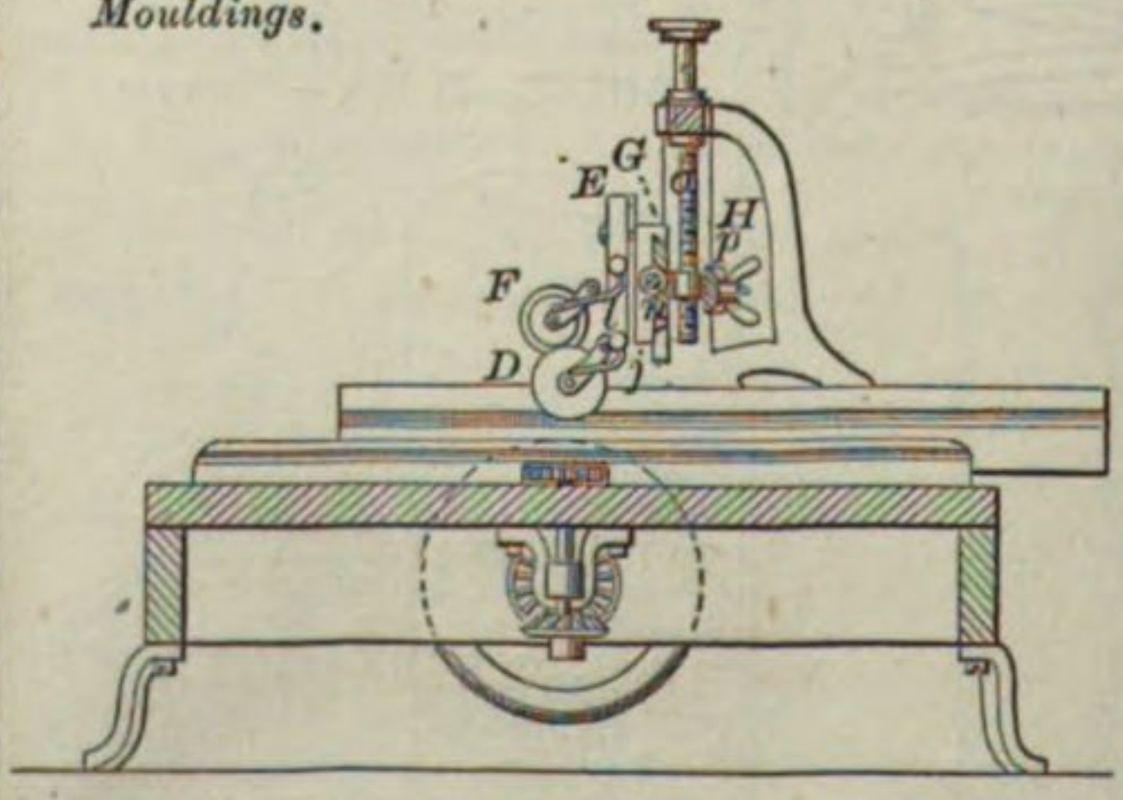
60171—R. J. Gilbert—*Gate.*



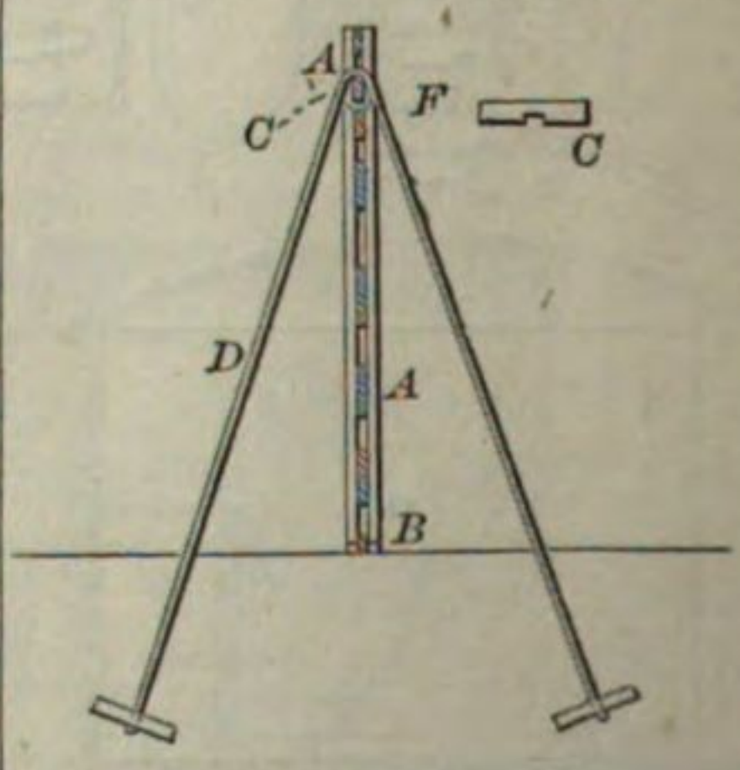
60172—C. Glidden—*Plow.*



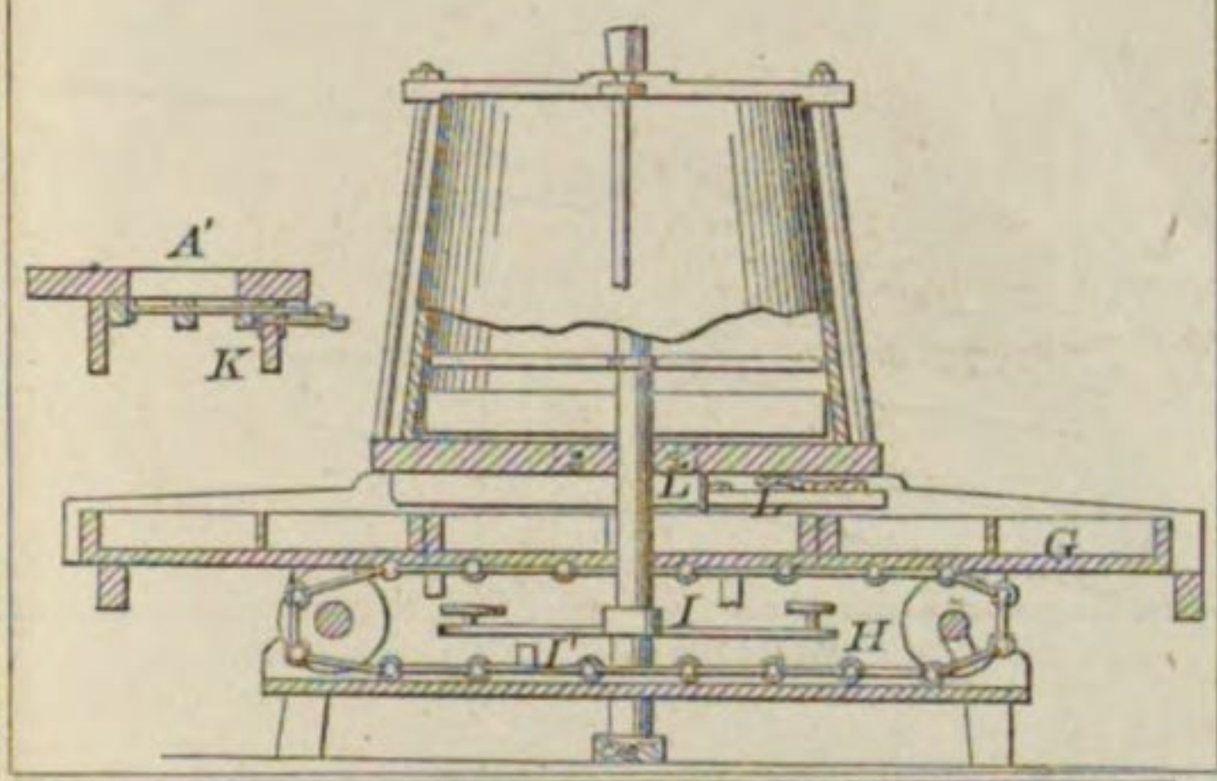
60173—G. F. Goetze—*For Ornamenting Mouldings.*



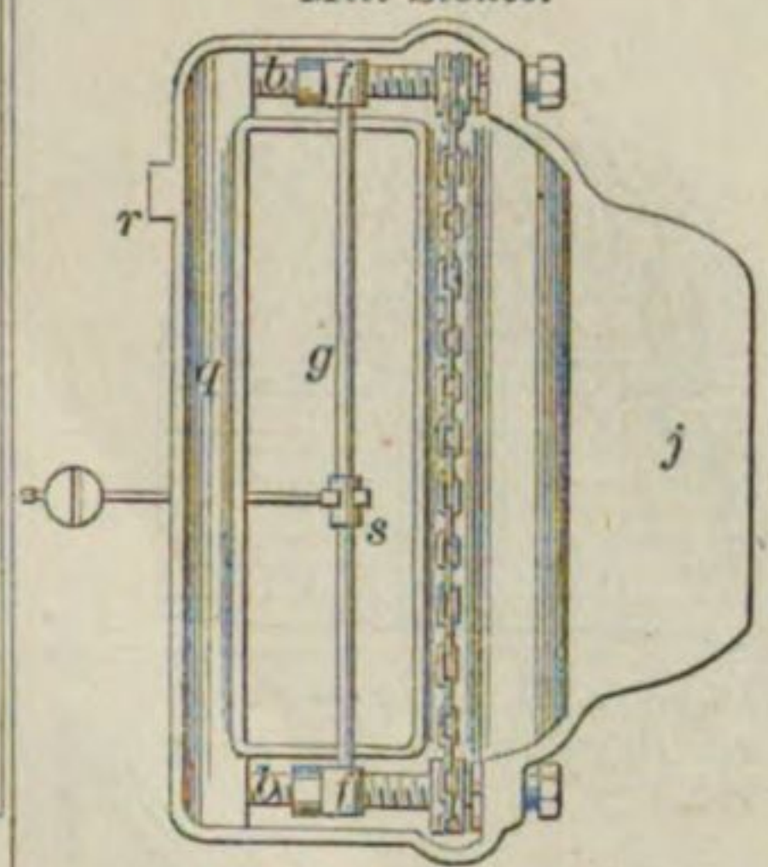
60174—E. C. Gordon—*Fence.*



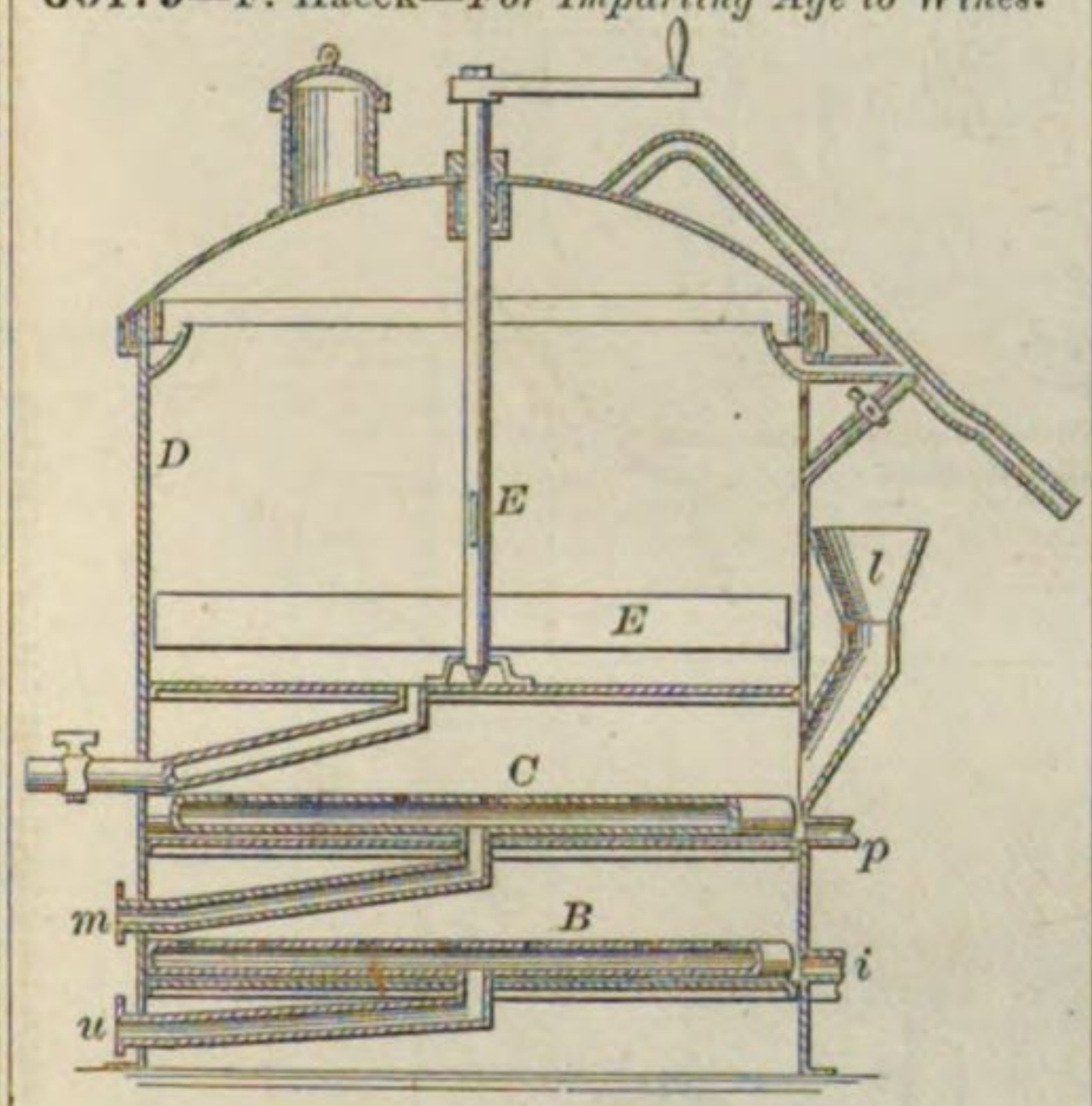
60175—G. Graezzle—*Brick Machine.*



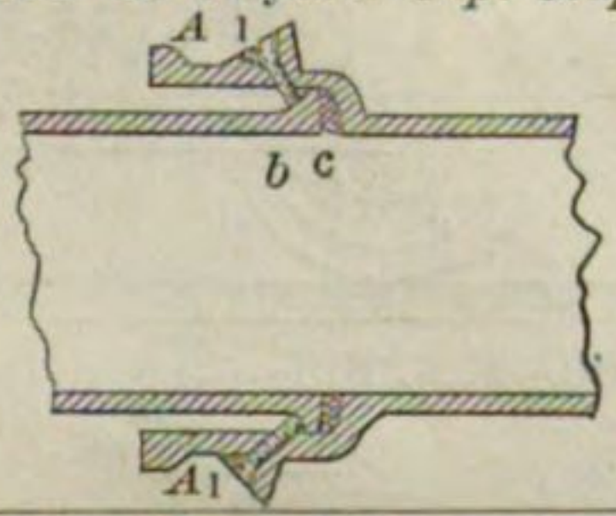
60176—J. H. Gray—*For Picking Mill Stones.*



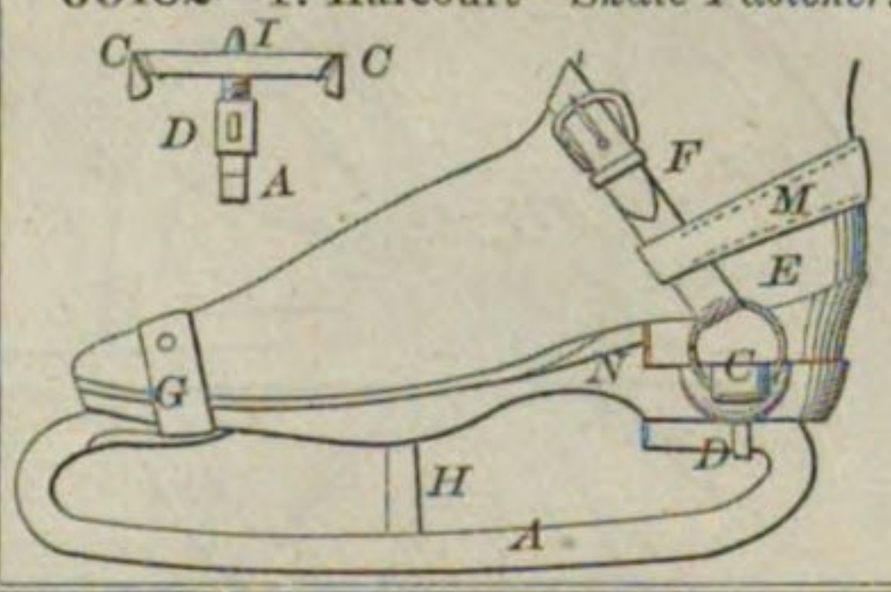
60179—F. Haeck—*For Imparting Age to Wines.*



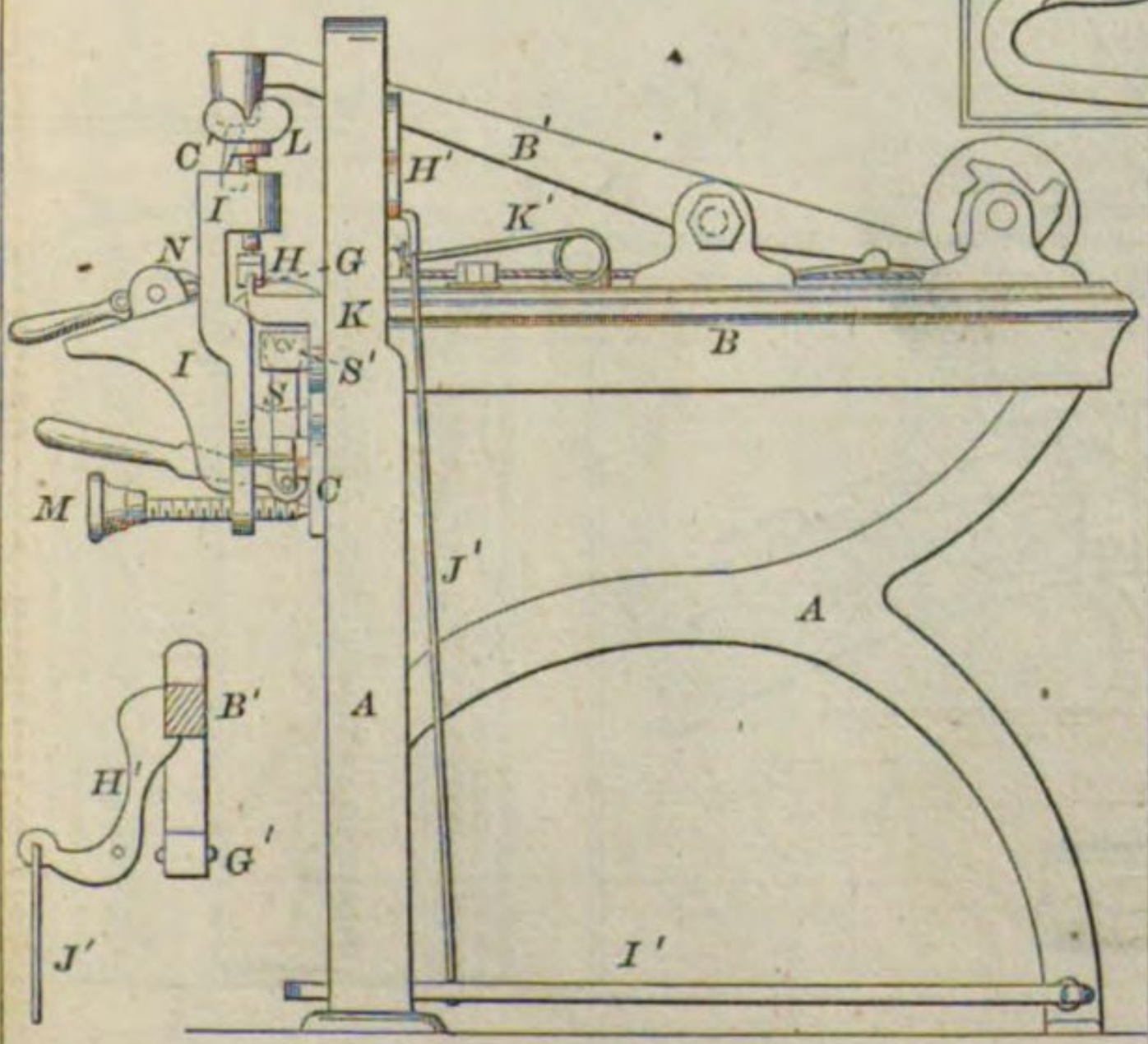
60178—A. Gwynne—*Pipe Coupling.*



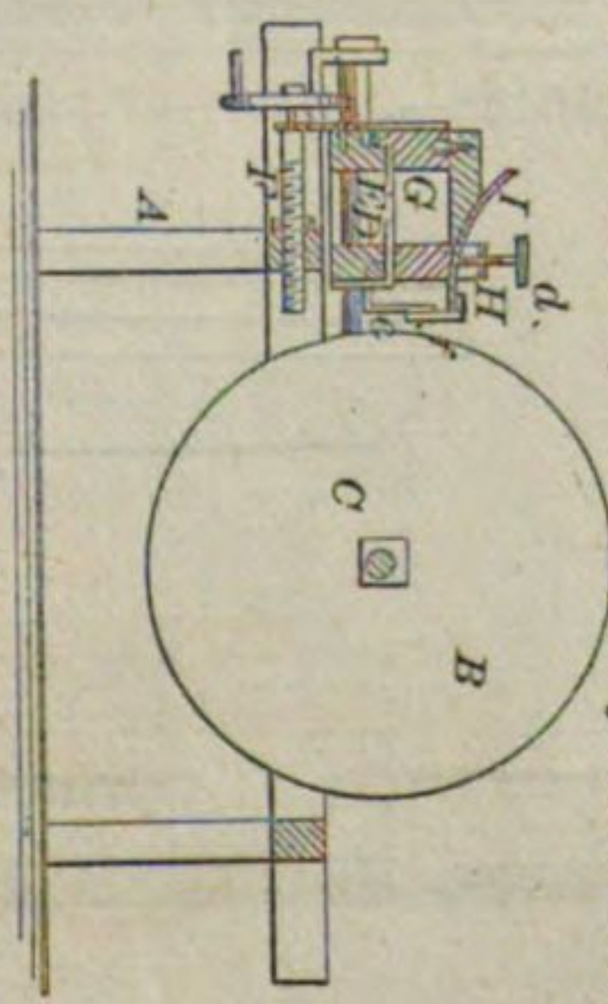
60182—T. Harcourt—*Skate Fastener.*



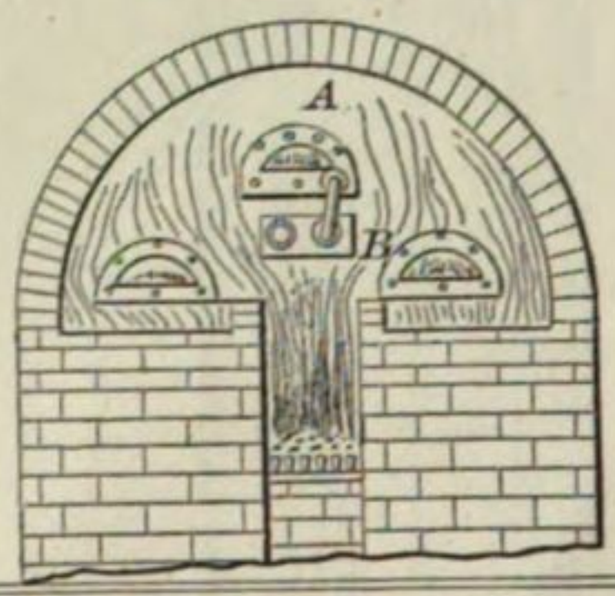
60180—S. C. Hall—*For Cutting Sickle Sections.*



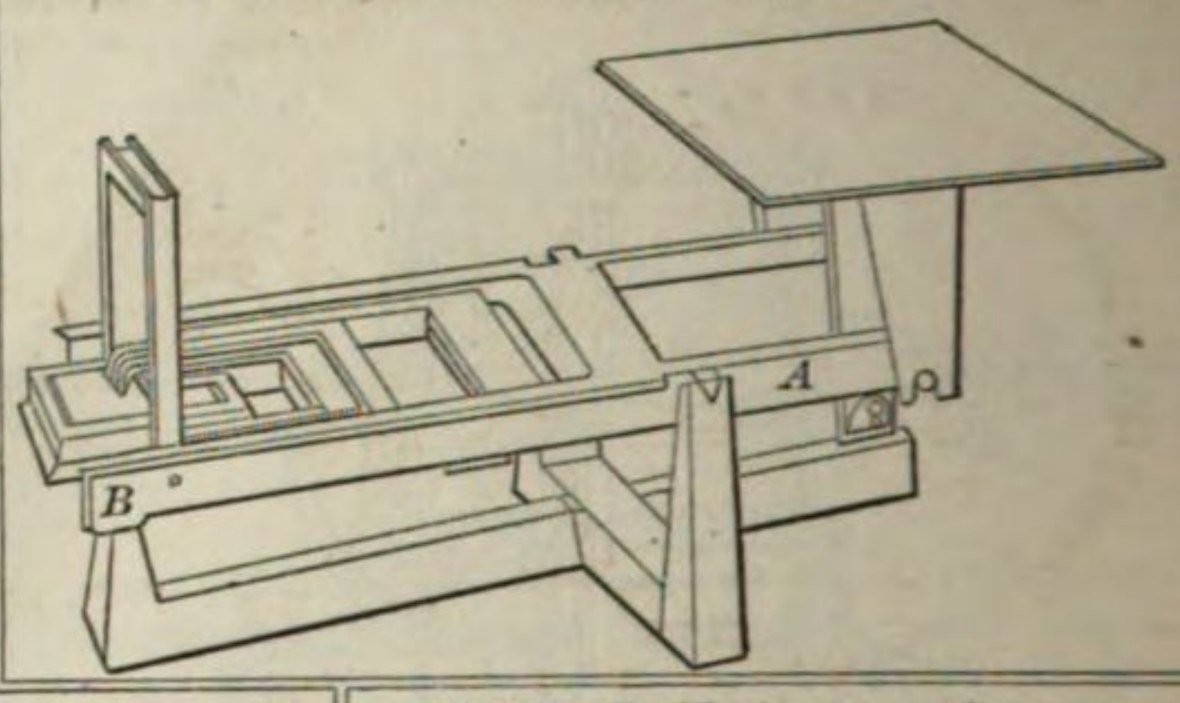
60181—T. Handy—*For Grinding Metal Plates.*



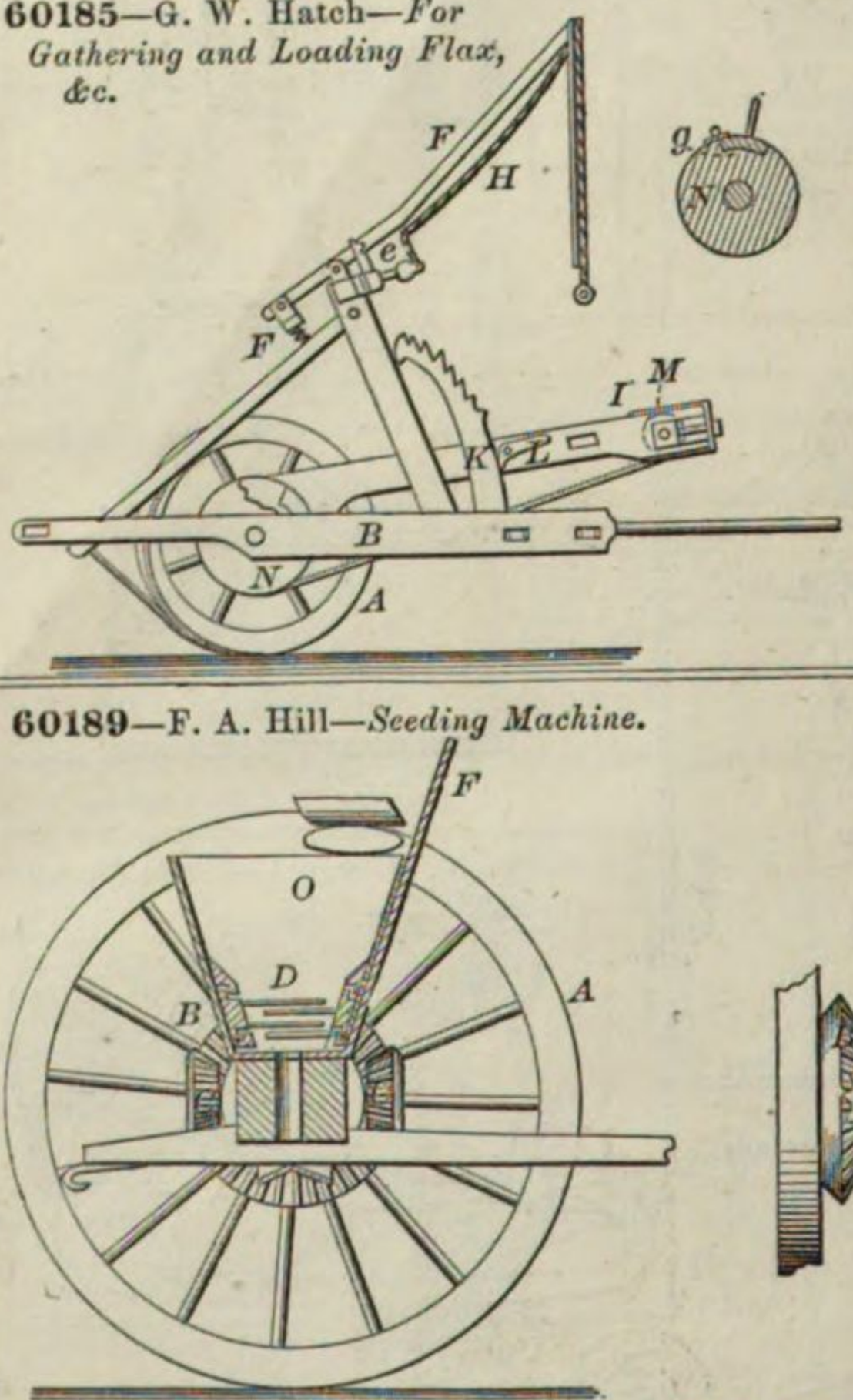
60183—G. W. Harris—*Gas Retort.*



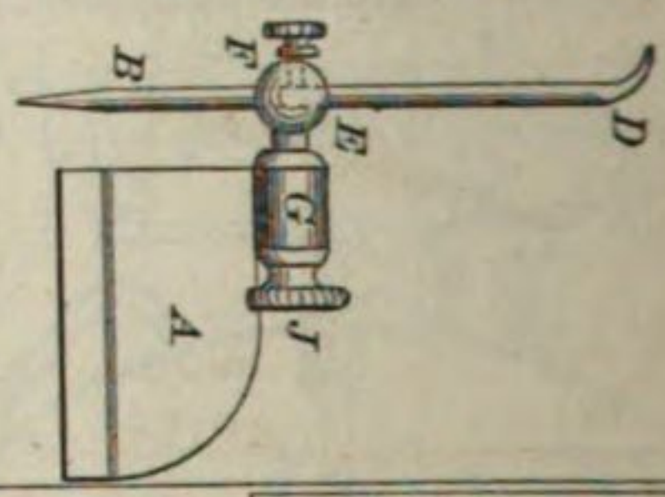
60184—S. Harris—*Balance Weight.*



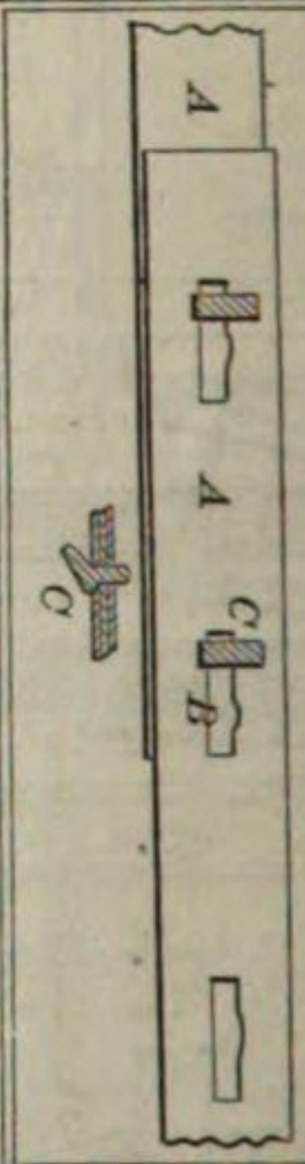
60185—G. W. Hatch—*For Gathering and Loading Flax, &c.*



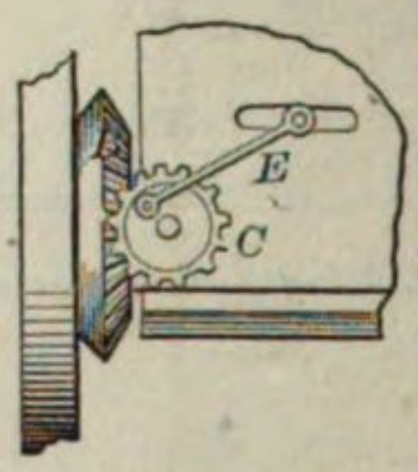
60186—R. Hathaway—*Gauge.*



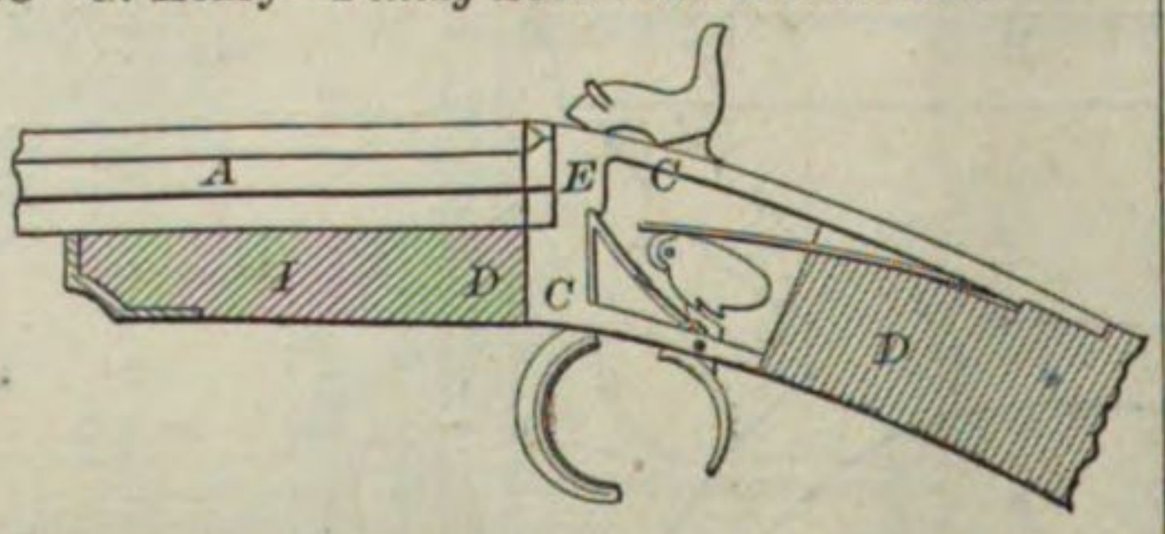
60187—J. W. Hedenberg—*Cotton Tie.*



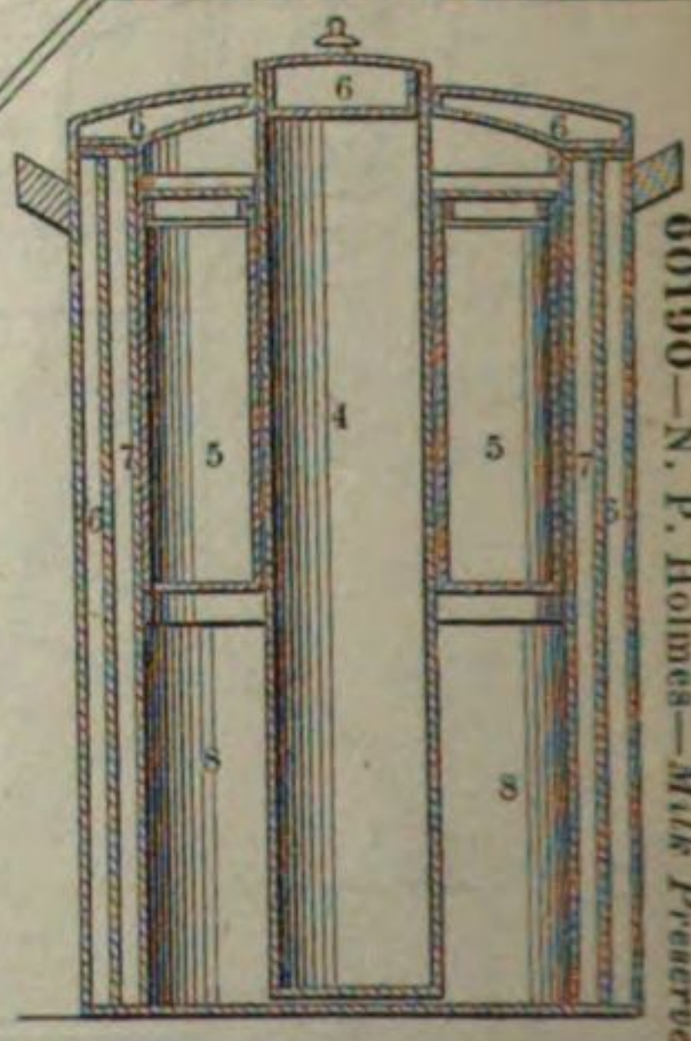
60189—F. A. Hill—*Seeding Machine.*



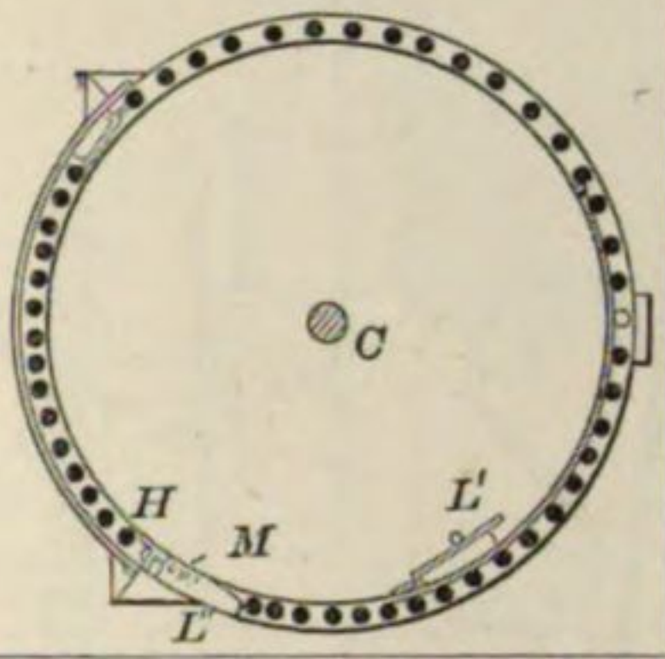
60188—G. Henry—*Fitting Lock Plate to Fire Arm.*



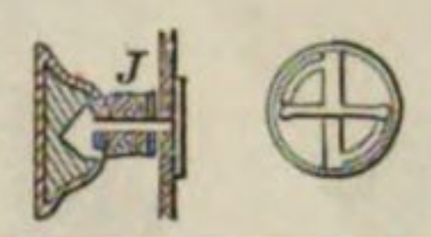
60190—N. P. Holmes—*Milk Preserver.*



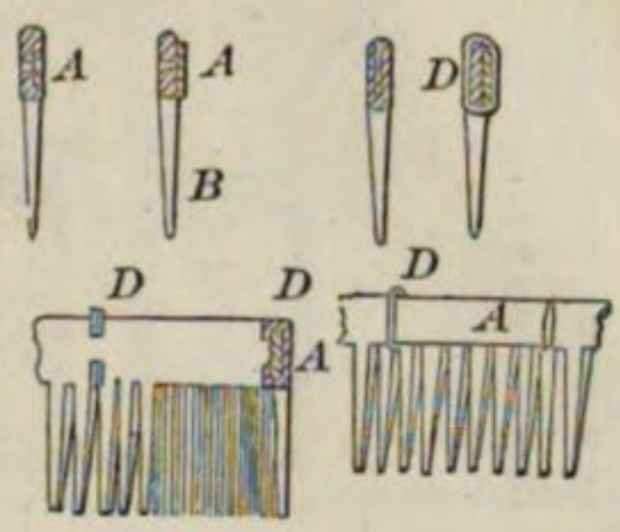
60191—E. B. Horn—*Safe.*



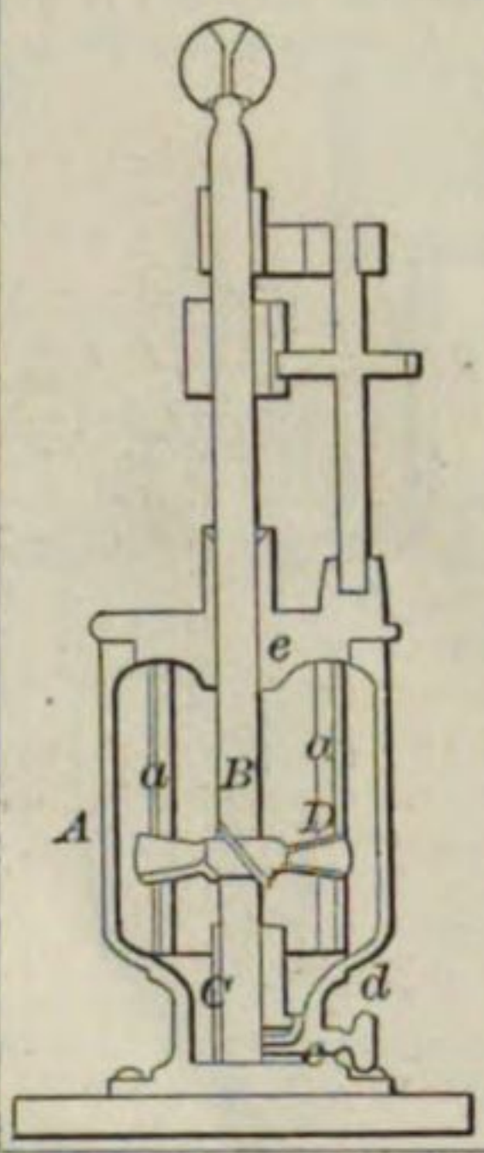
60194—J. M. Johnson—
Fastening for Buttons.



60197—E. H. Knight—*Comb.*



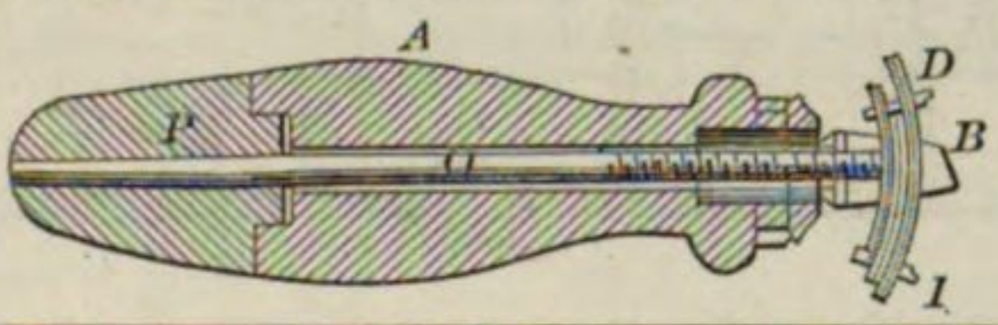
60192—R. K. Huntoon—*Steam Engine Governor.*



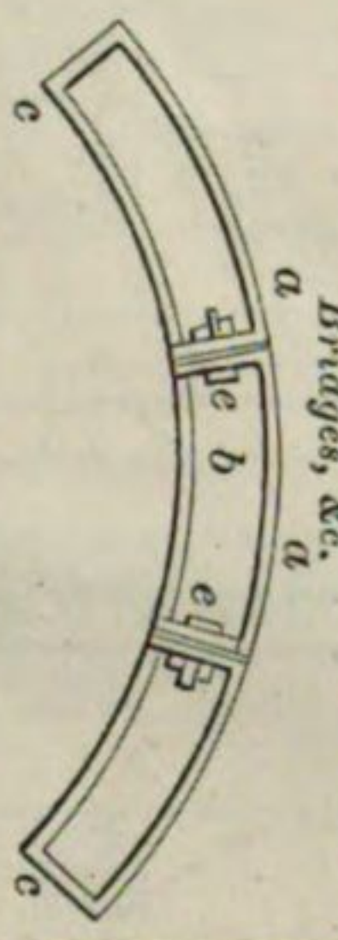
60195—A. C. Kasson—*Hoe.*

60193—
R. S. Jennings—
Seal Fastener.

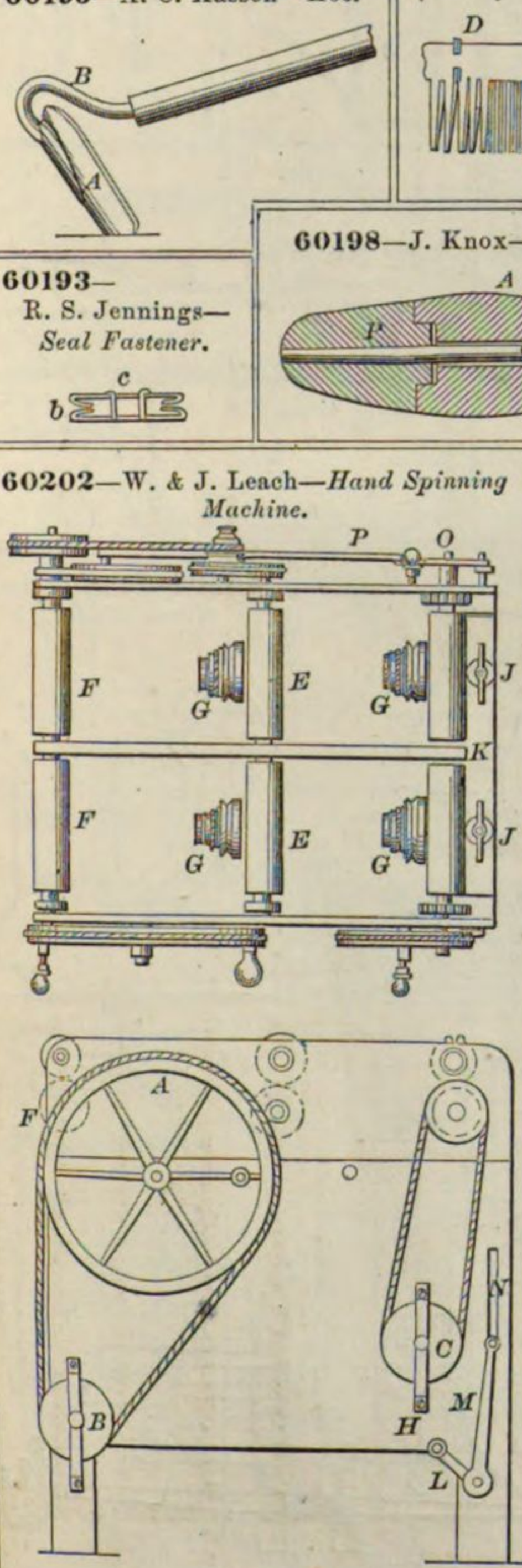
60198—J. Knox—*Boot and Shoe Iron.*



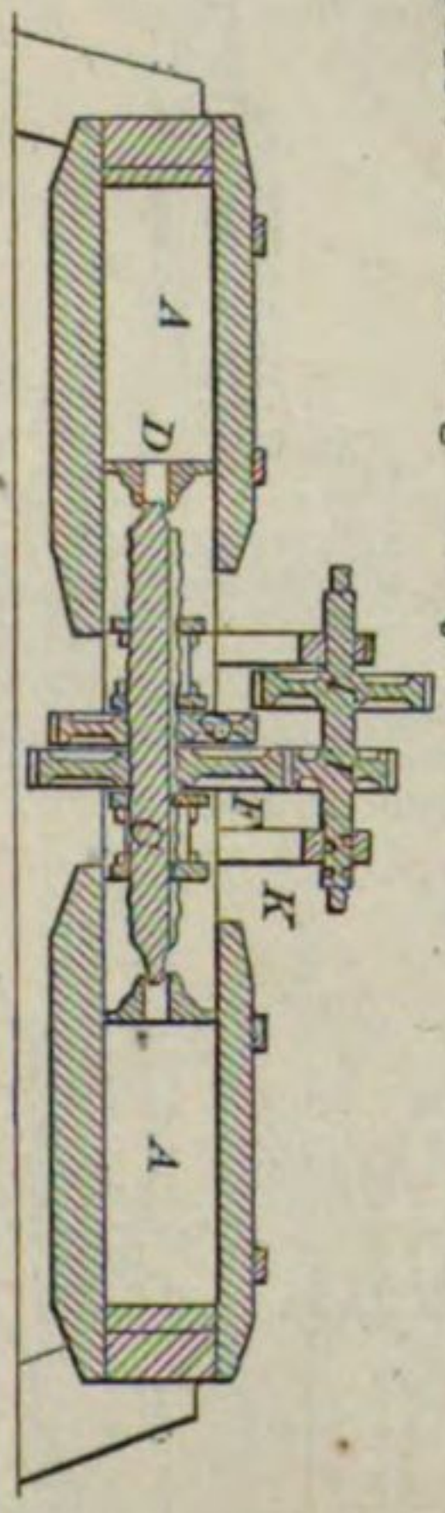
60199—G. T. Lape—*Cast Iron Arch for Bridges, &c.*



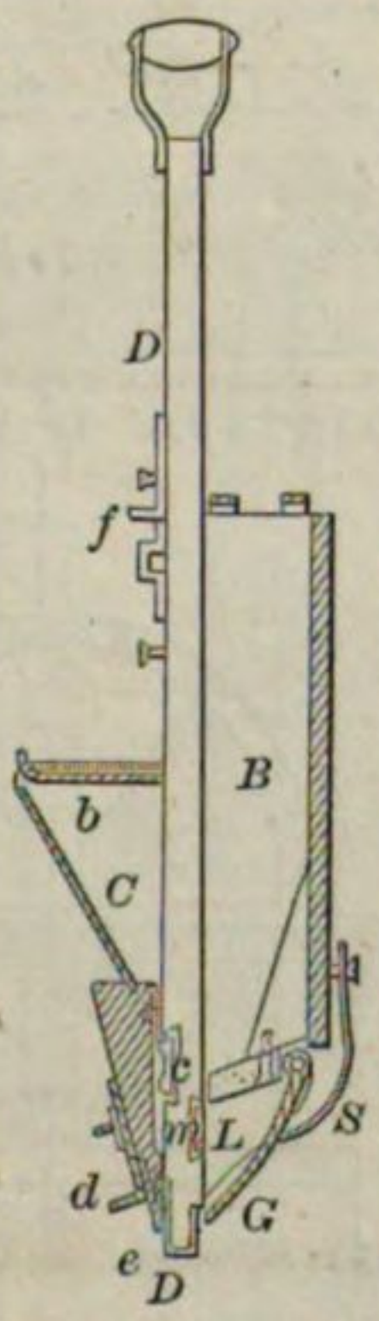
60202—W. & J. Leach—*Hand Spinning Machine.*



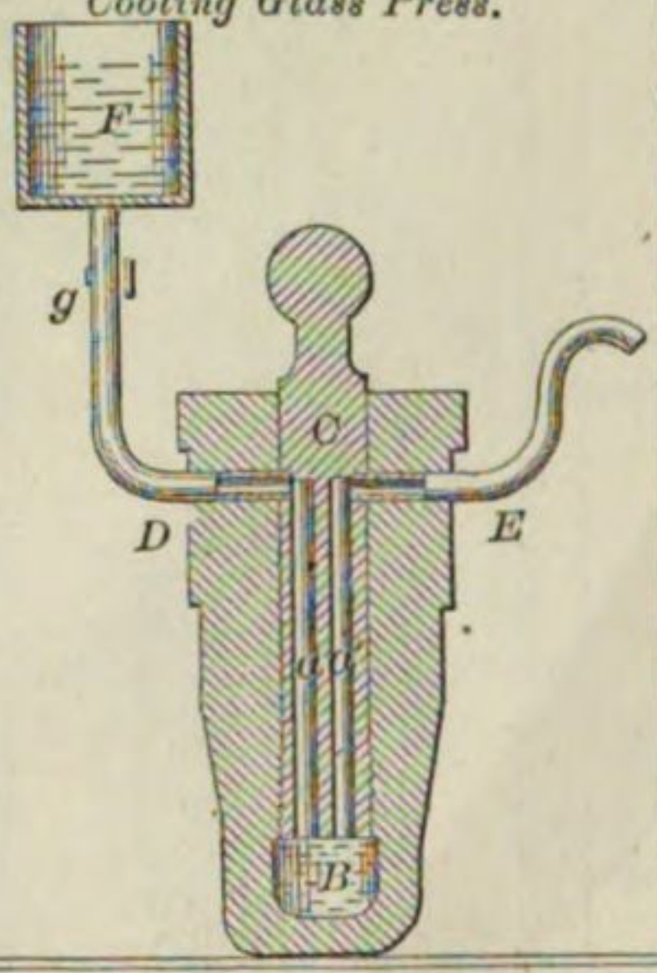
60196—W. R. King—*Baling Press.*



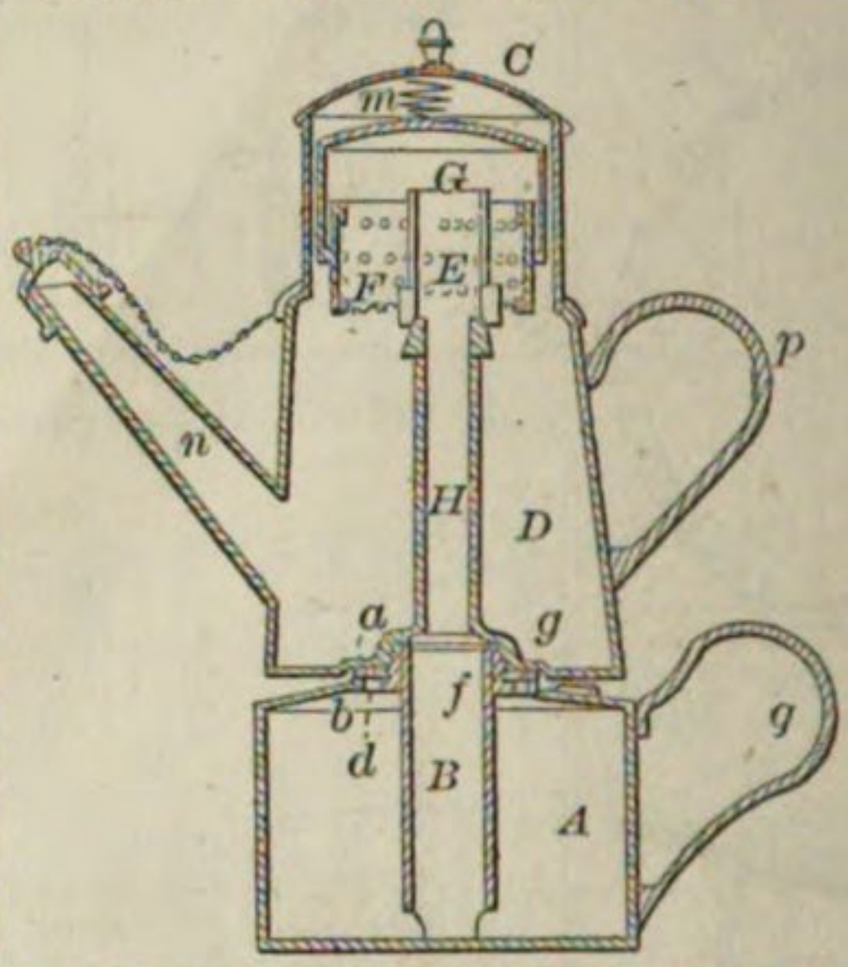
60200—J. H. Latimer—*Hand Seed Planter.*



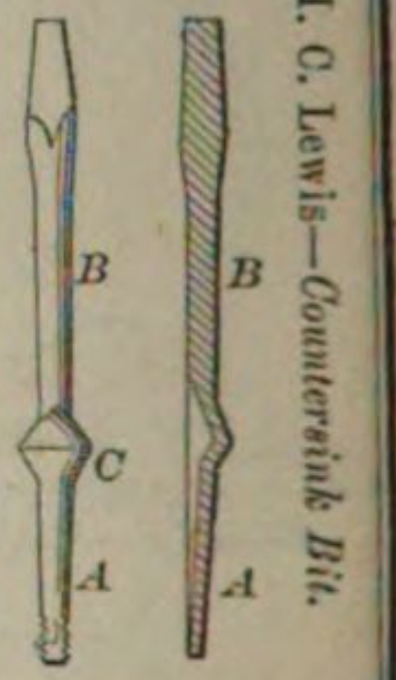
60203—Leasure & Gill—*Cooling Glass Press.*



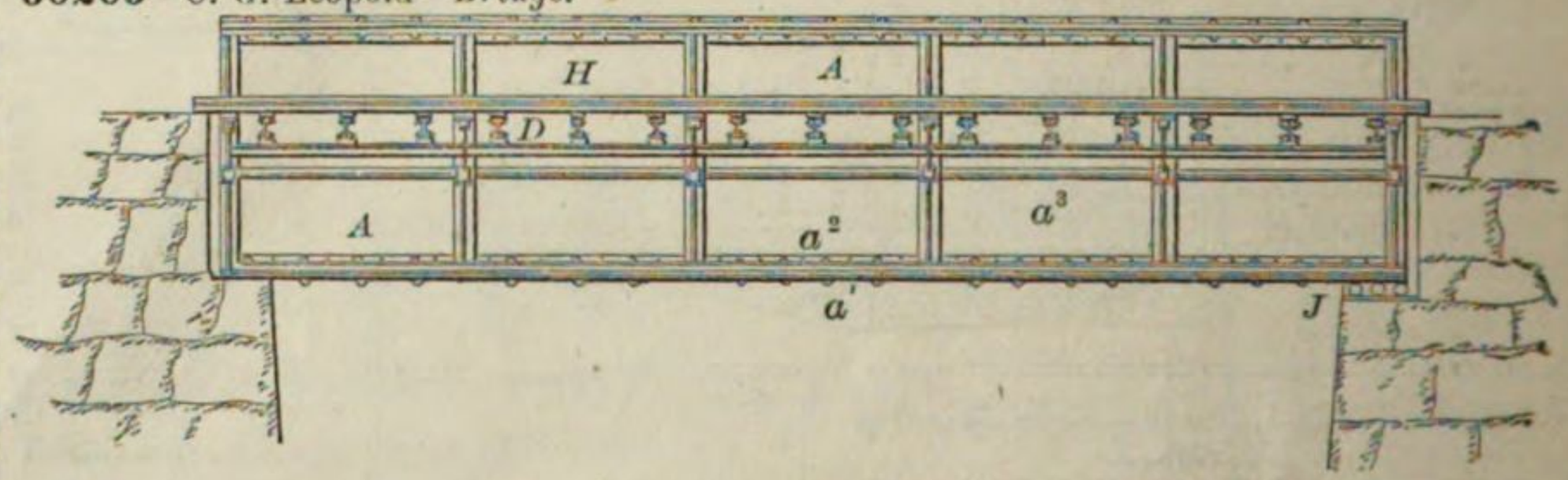
60204—J H. Lee—*Coffee Pot.*



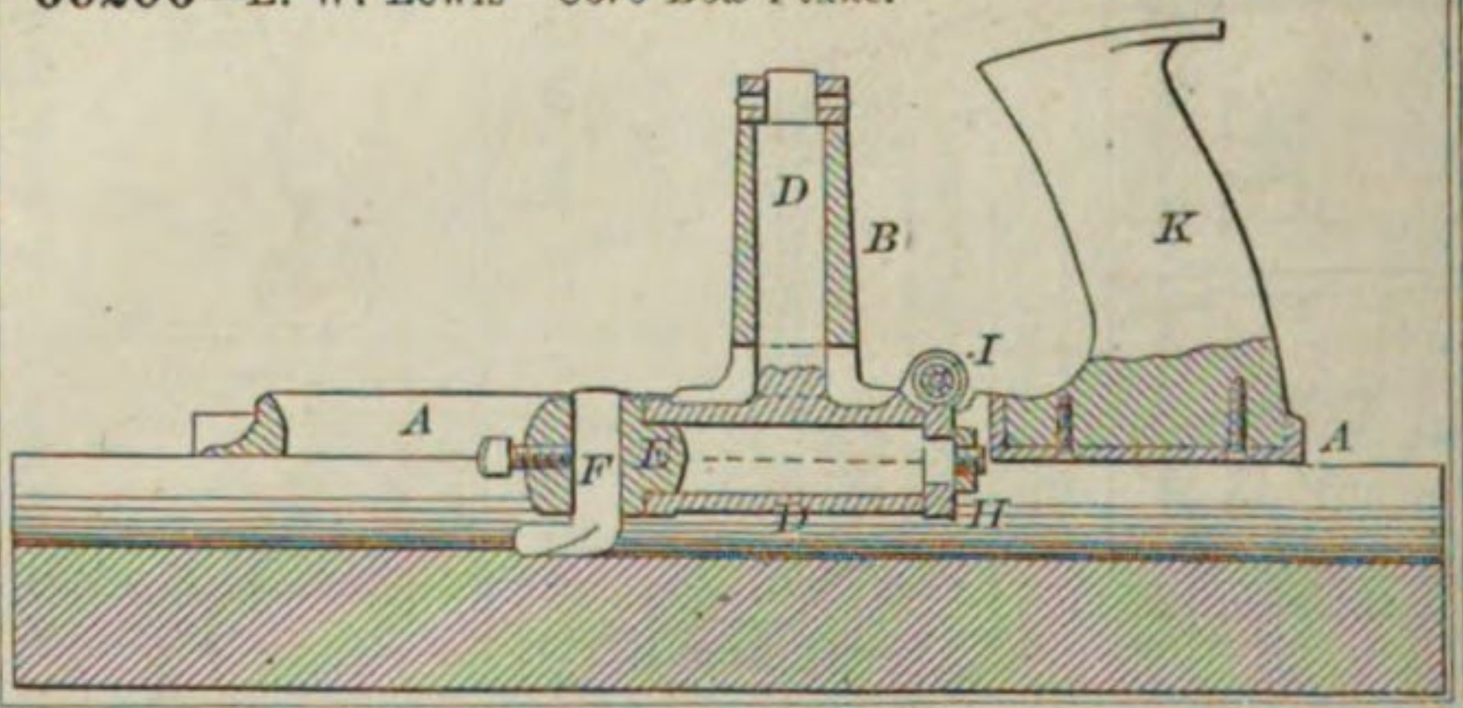
60207—H. C. Lewis—*Countersink Bit.*



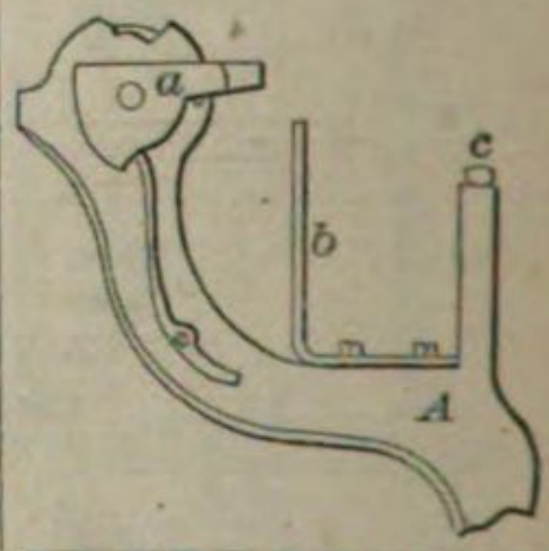
60205—O. G. Leopold—*Bridge.*



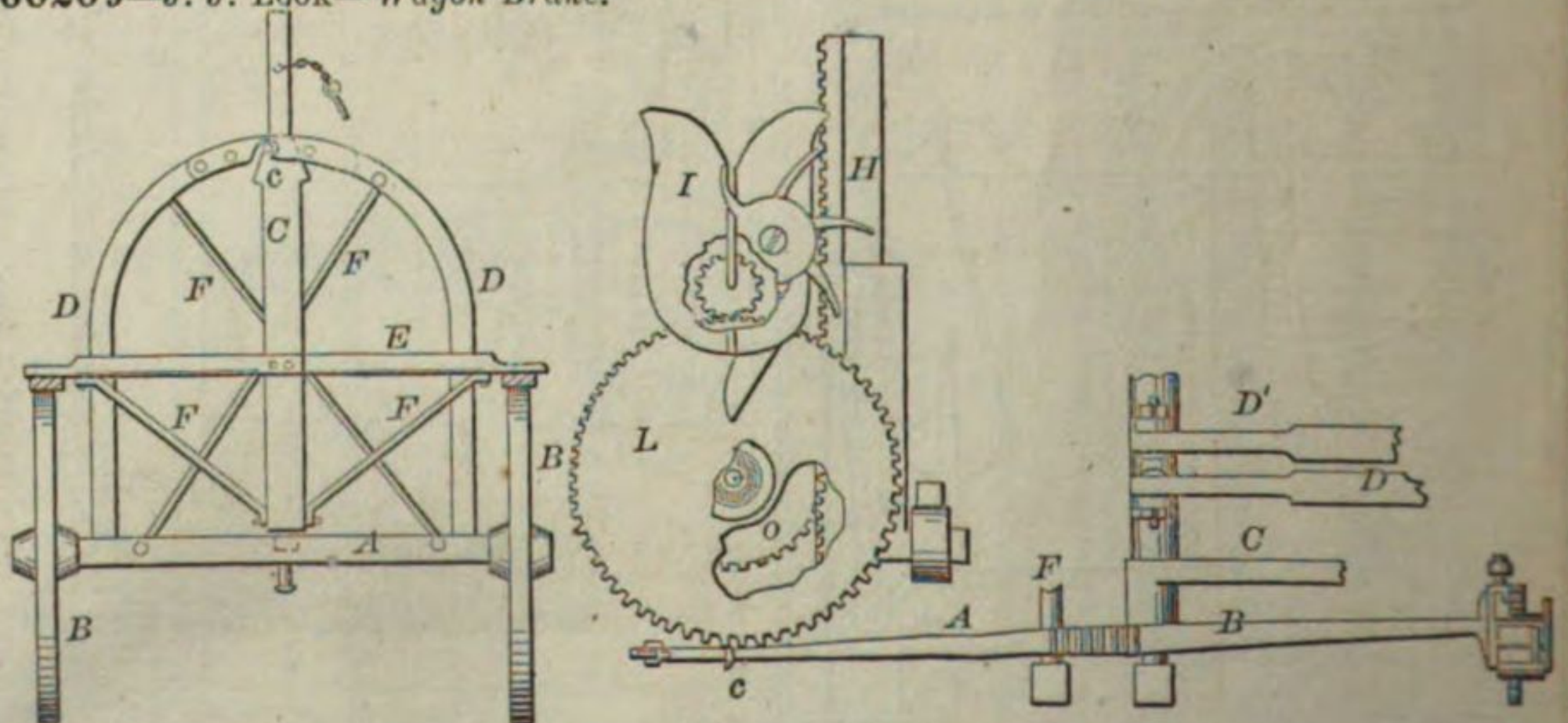
60206—E. W. Lewis—*Core Box Plane.*



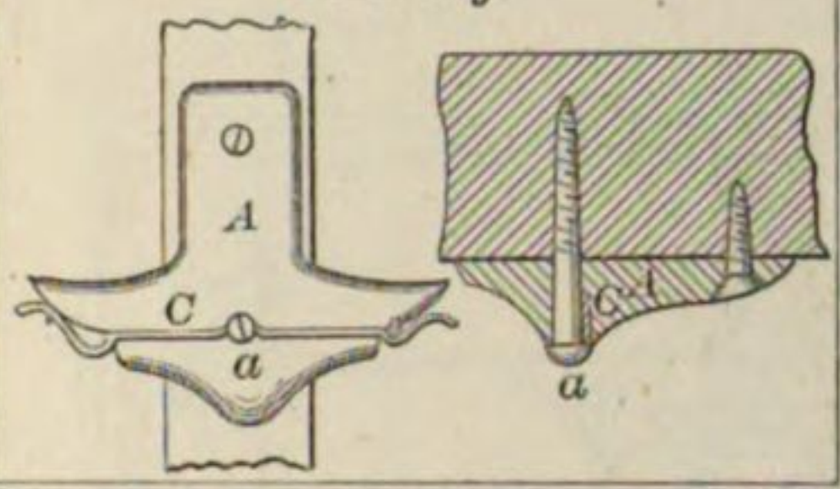
60208—S. D. Locke—*Grain Binder.*



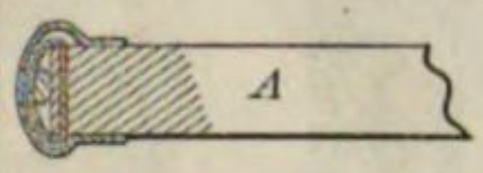
60209—J. J. Look—*Wagon Brake.*



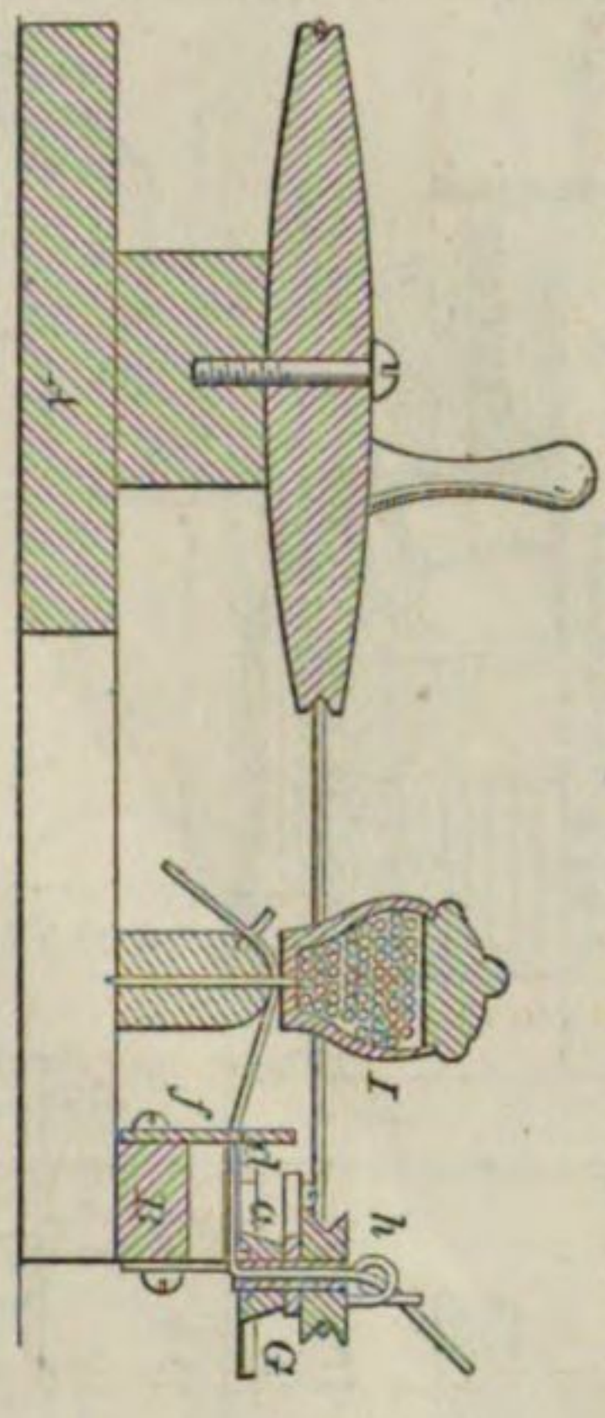
60210—Luther & Marsh—*Blind Fastening.*



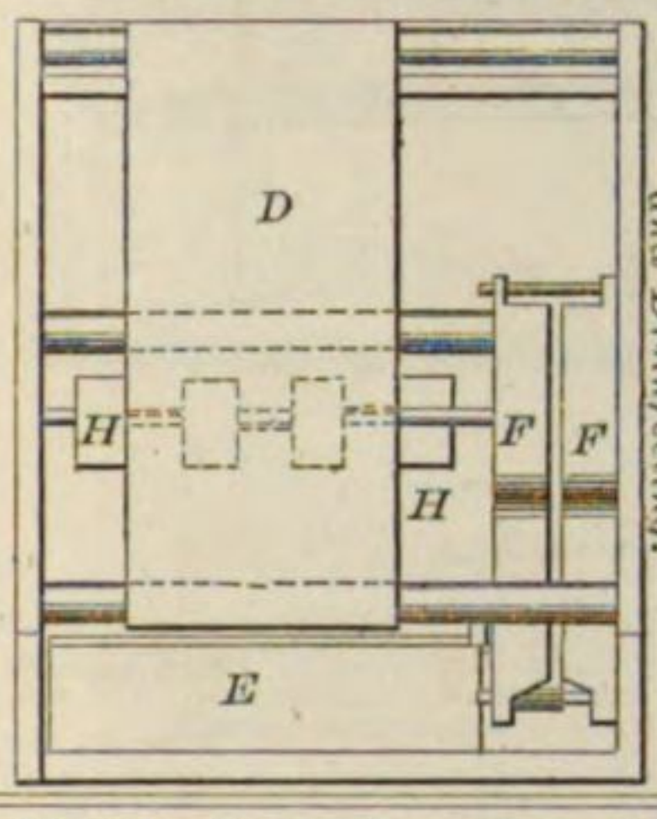
60213—G. Mallory—*Spring for Hat Brims.*



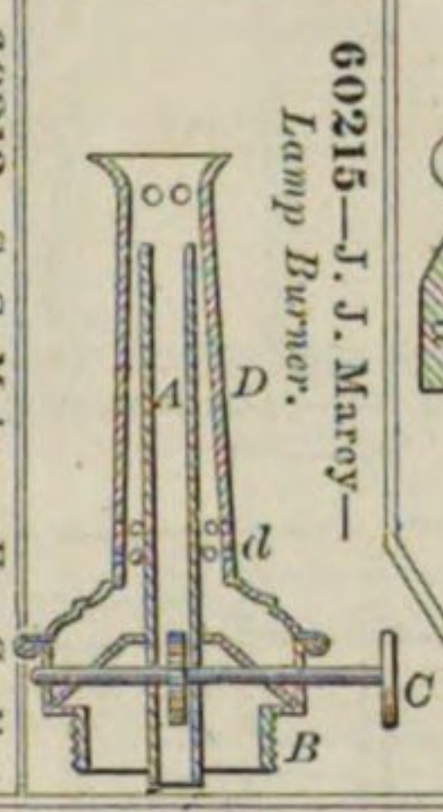
60211—E. T. C. Lutton—*For Shearing Twisted Strands of Wood, &c.*



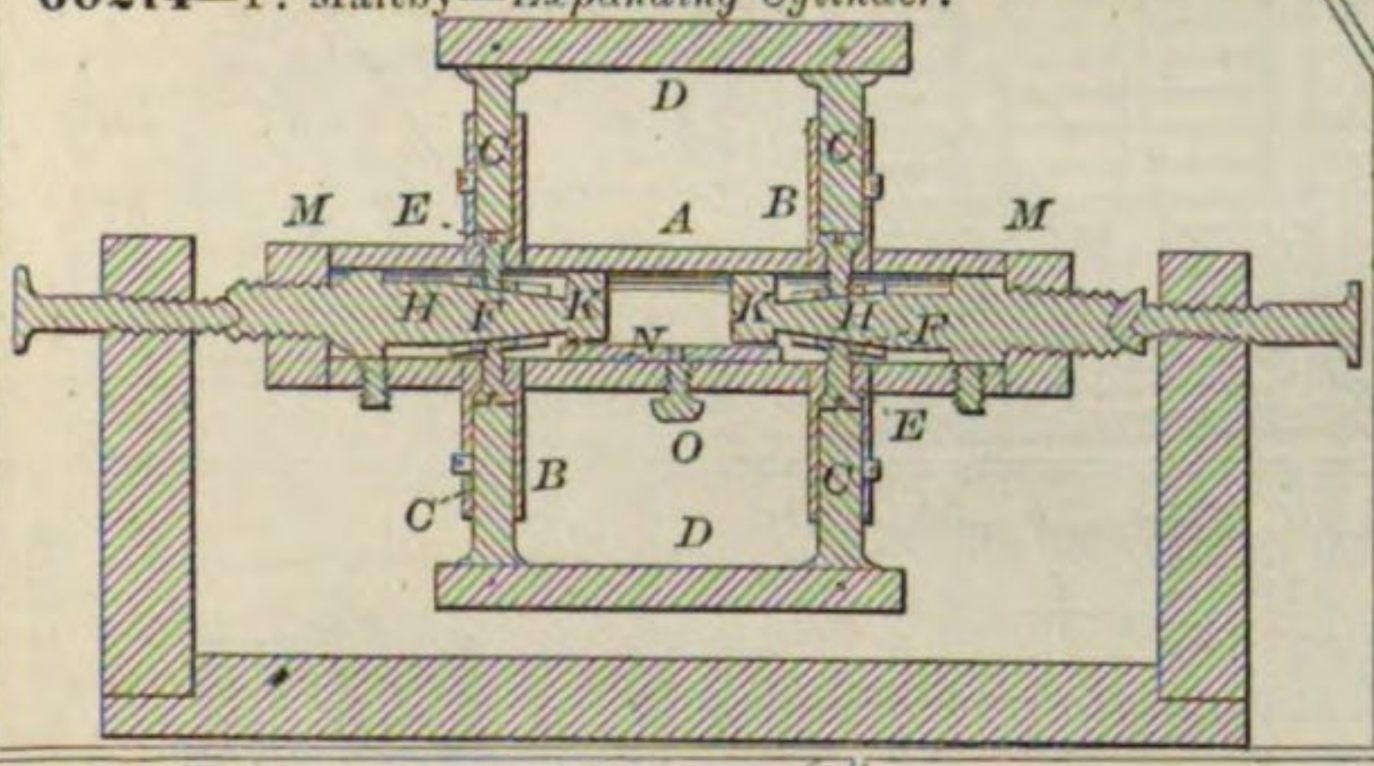
60212—S. C Maine—*For Cooling and Disinfecting.*



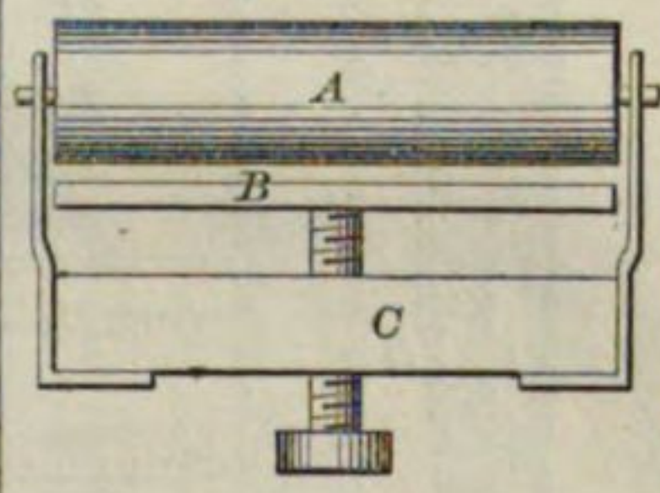
60215—J. J. Marcy—*Lamp Burner.*



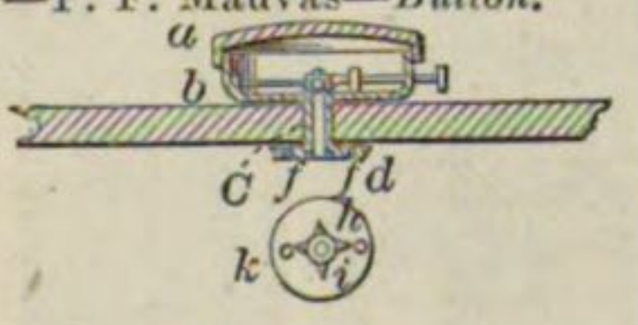
60214—P. Maltby—*Expanding Cylinder.*



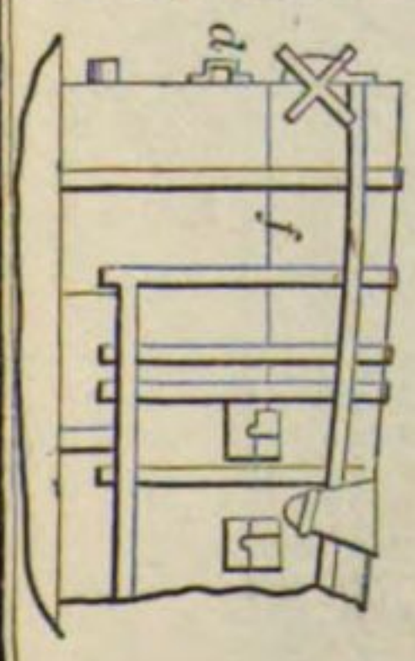
60216—J. B. Martindale—*Carpet Stretcher.*

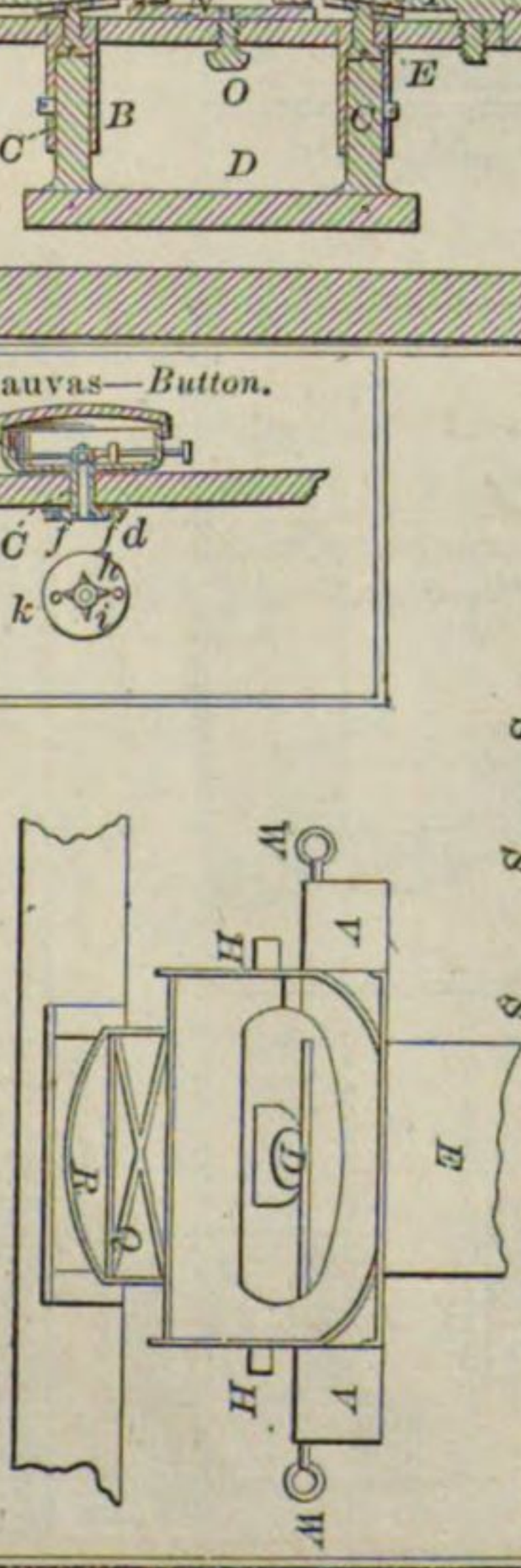


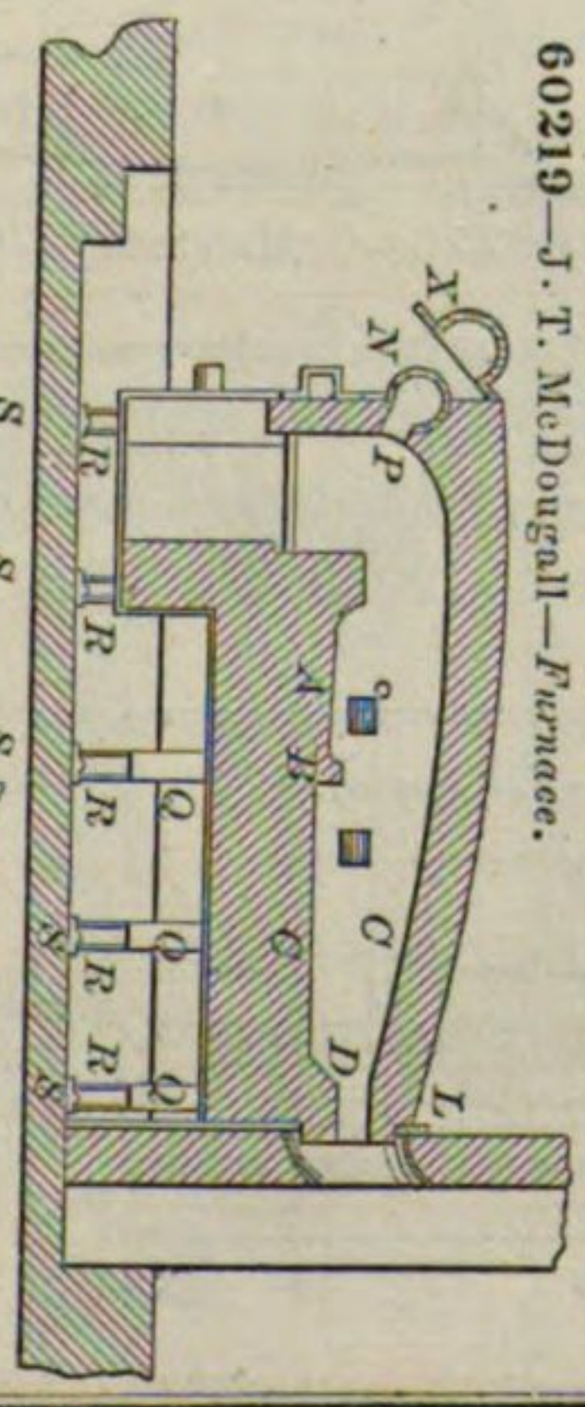
60217—P. F. Mauvas—*Button.*



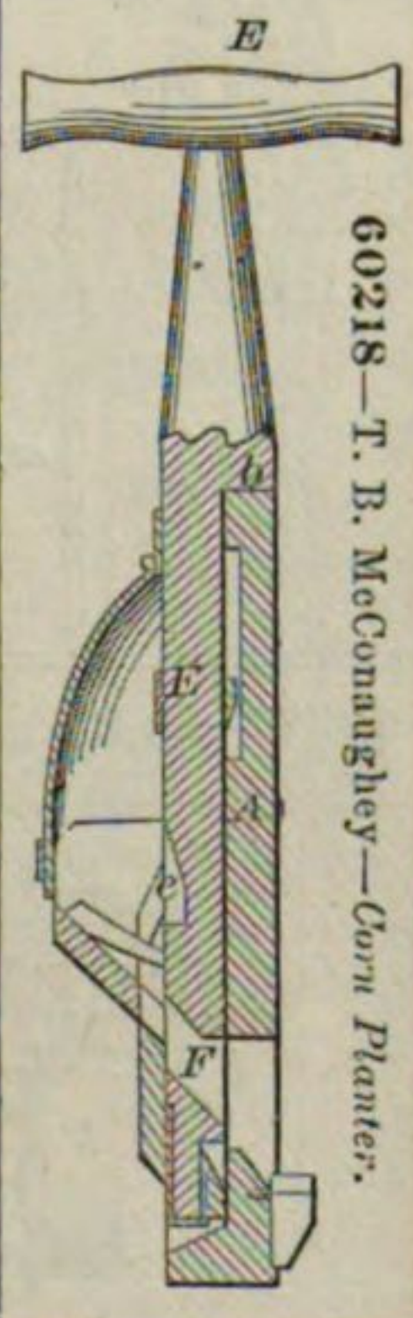
60219—J. T. McDougall—*Furnace.*



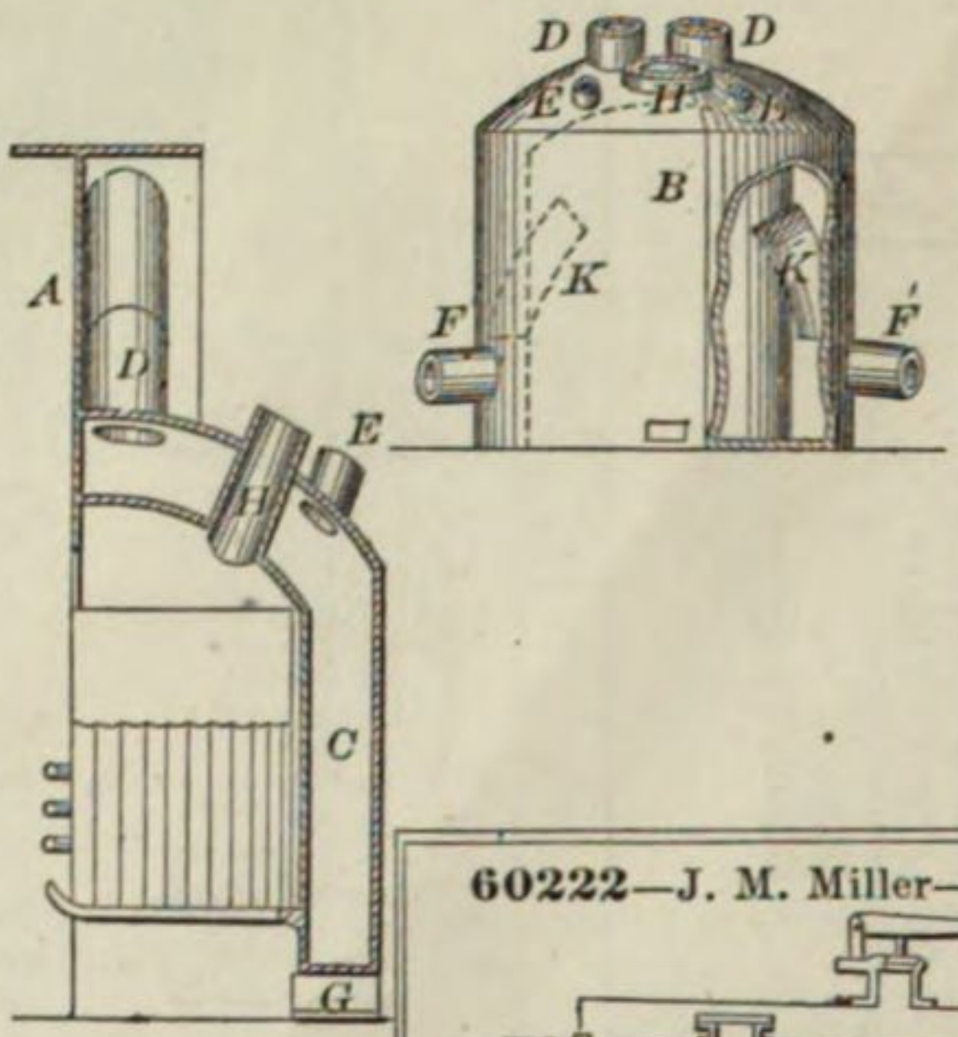




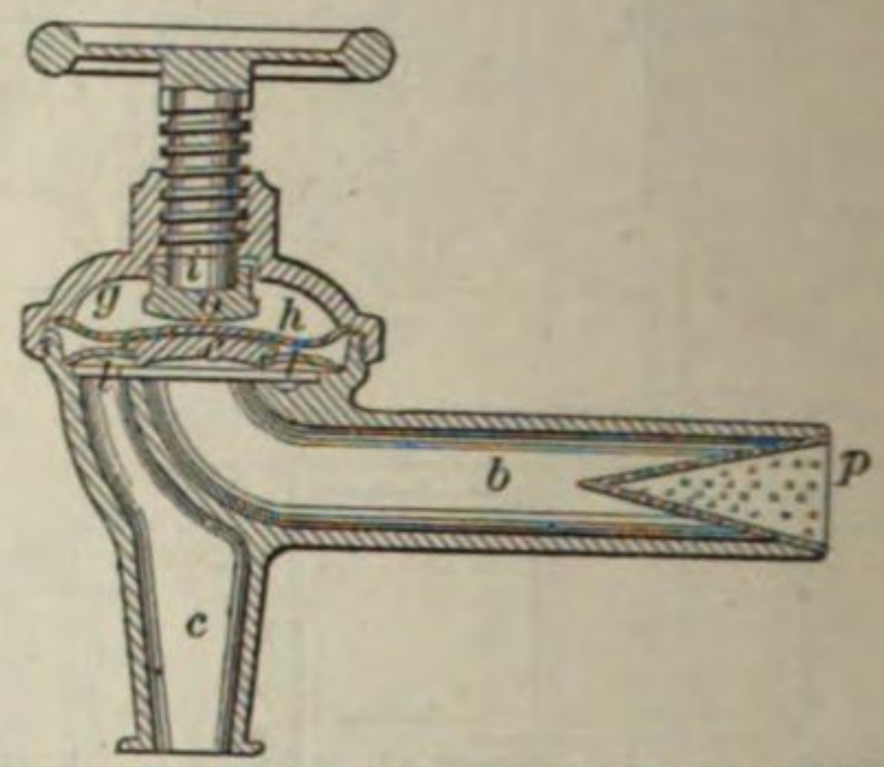
60218—T. B. McConaughey—*Corn Planter.*



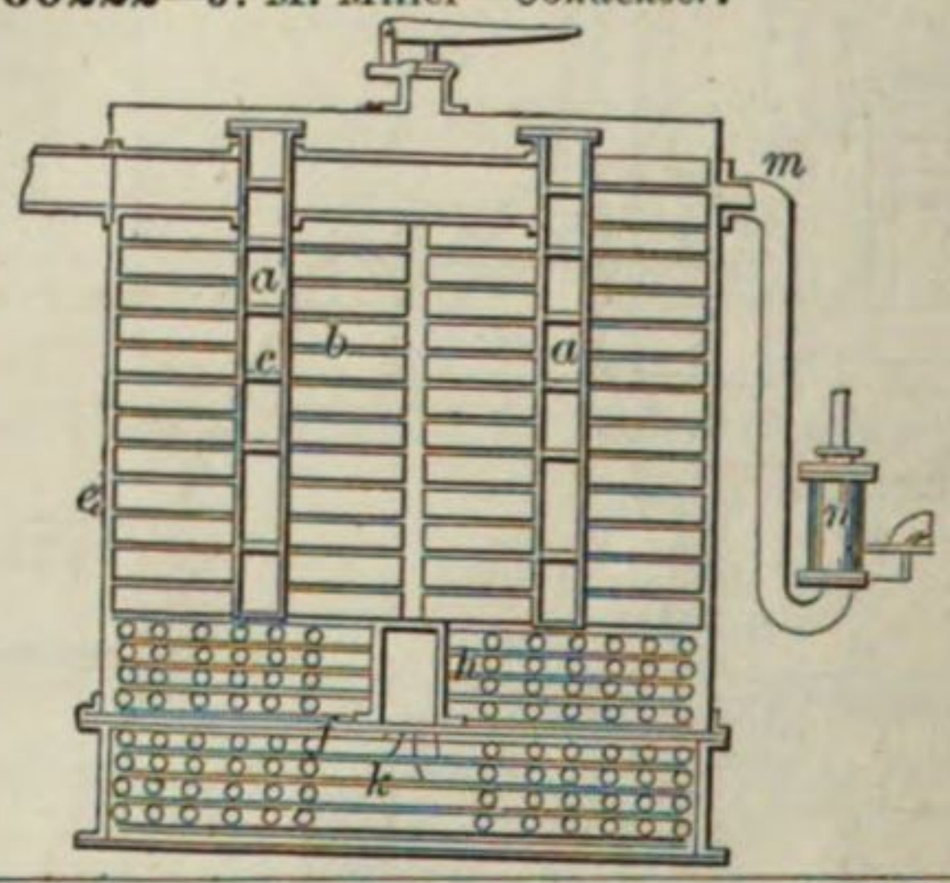
60220—W. T. McMillen—*Fire Place.*



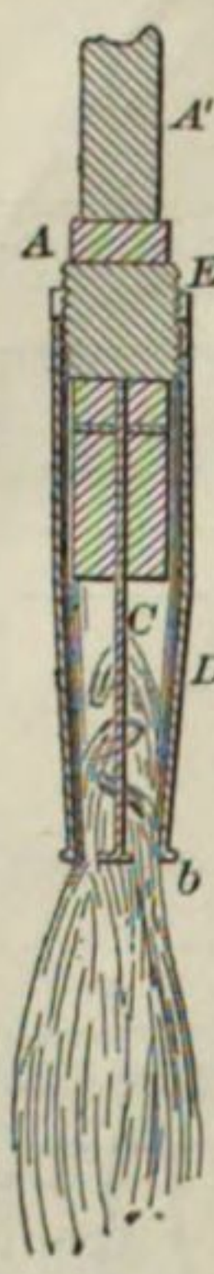
60223—O. F. Morrill—*Faucet.*



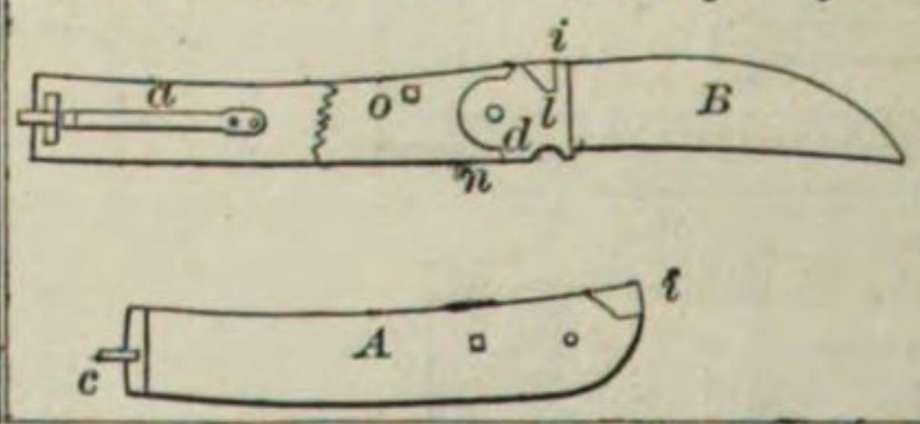
60222—J. M. Miller—*Condenser.*



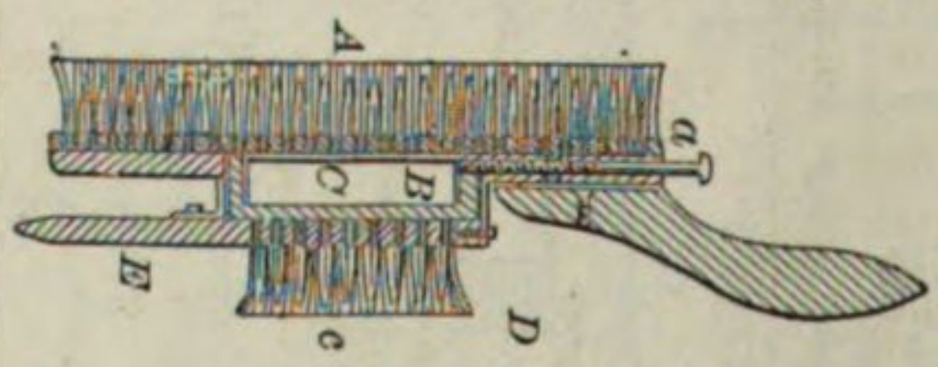
60221—C. Messenger—*Broom Head.*



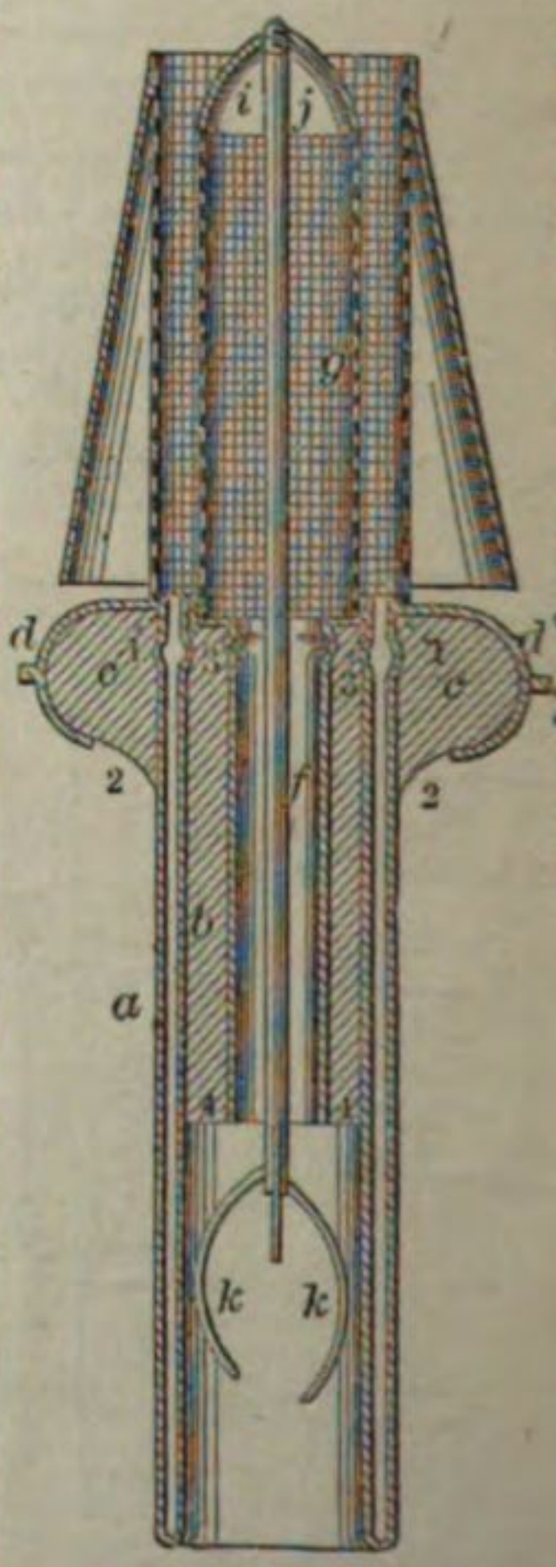
60225—L. B. Morris—*Pruning Knife.*



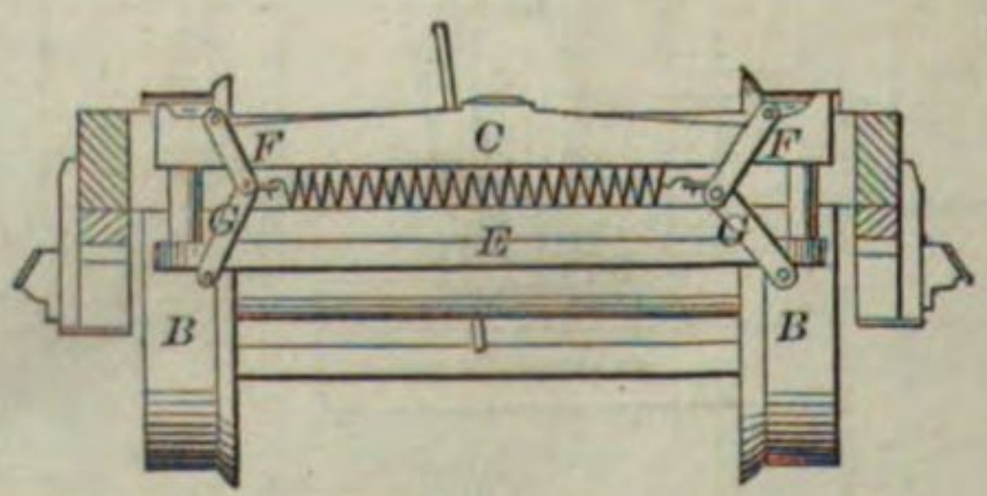
60226—C. Mulchahey—*Blacking Brush.*



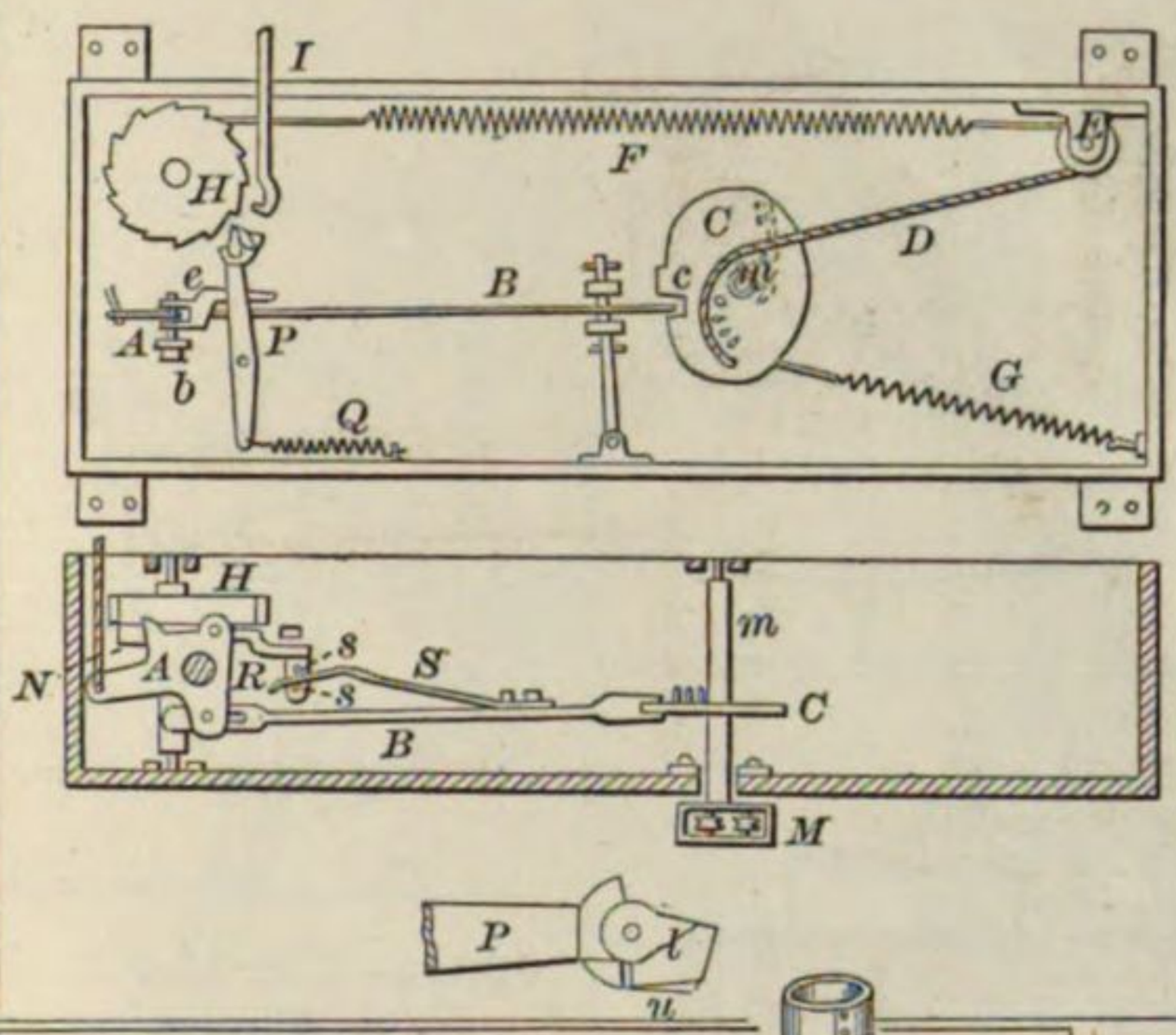
60224—O. F. Morrill—*Heating Apparatus.*



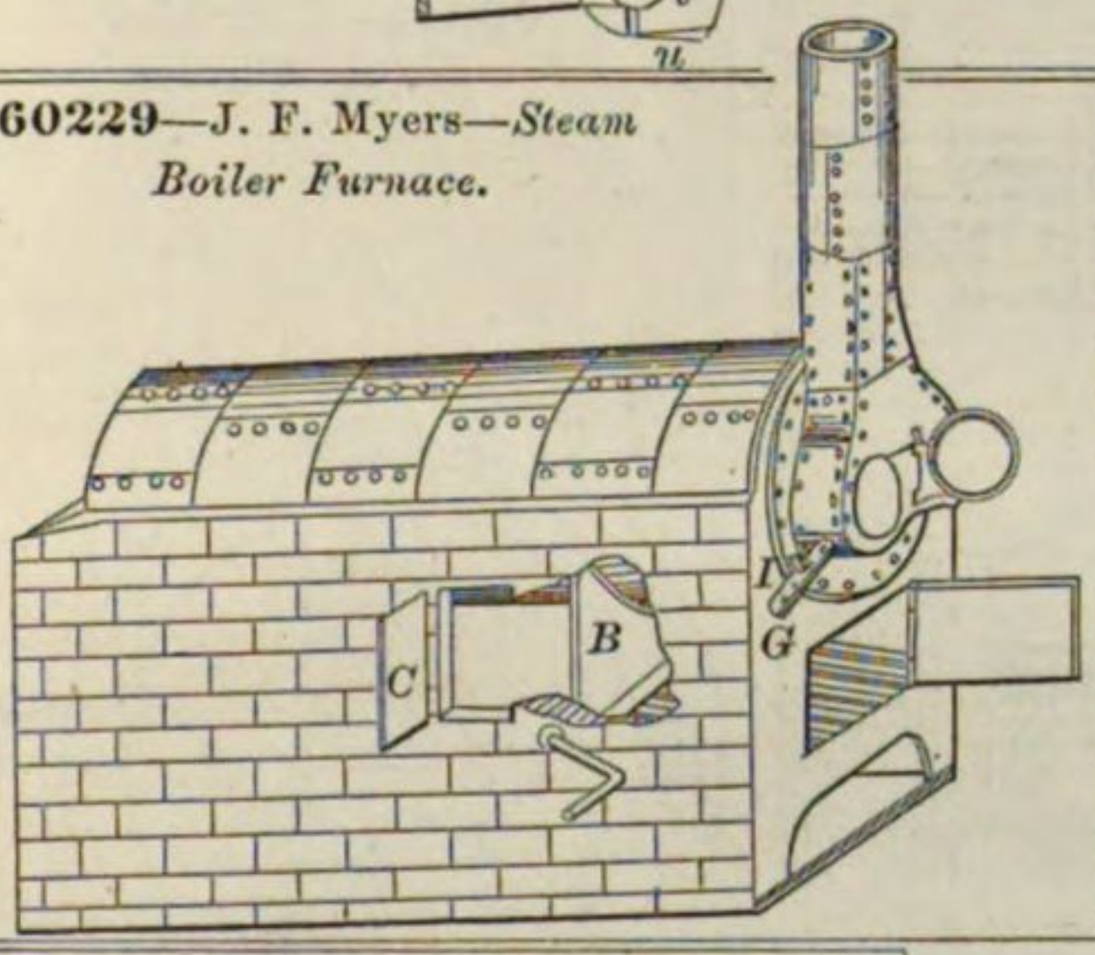
60227—D. Myers—*Car Spring.*



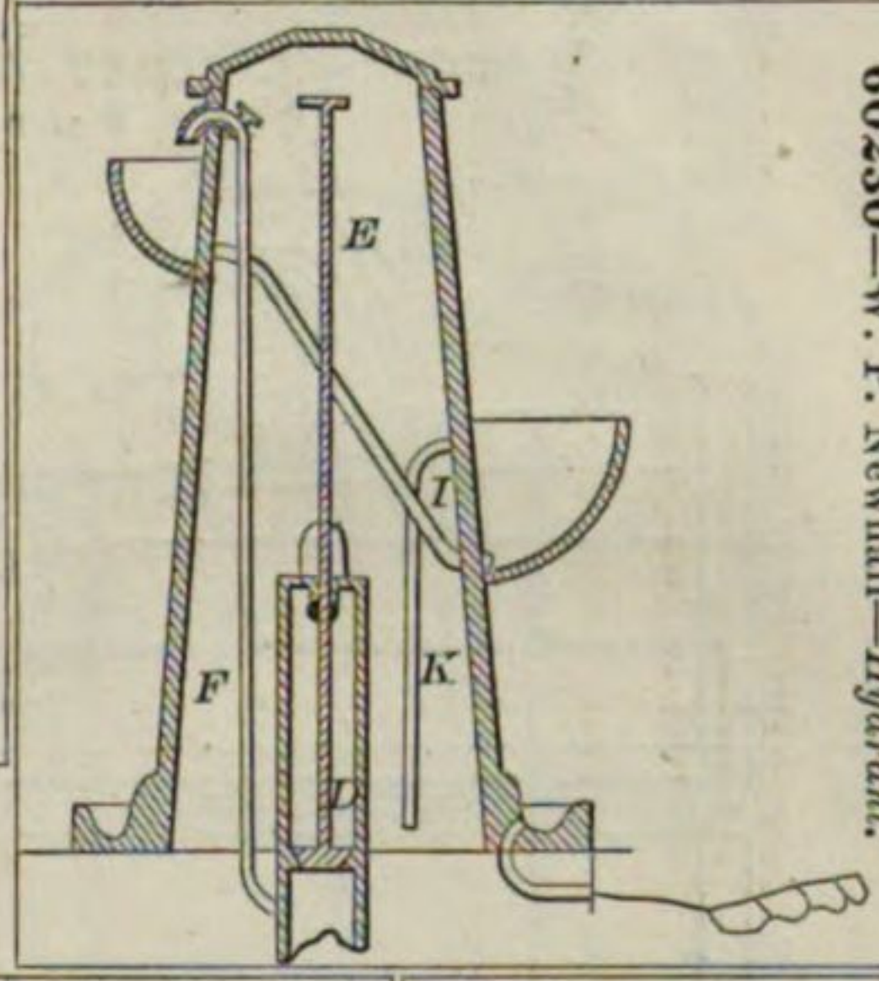
60228—D. Myers—*Car Brake.*



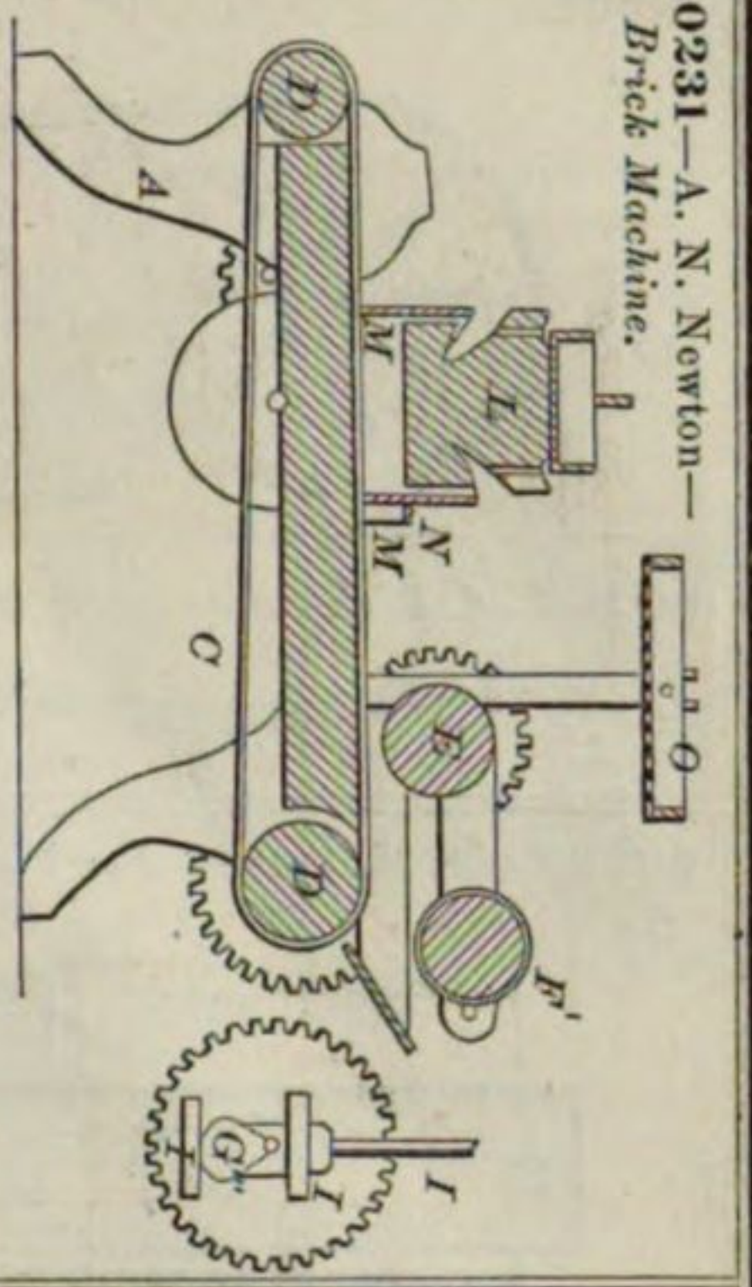
60229—J. F. Myers—*Steam Boiler Furnace.*



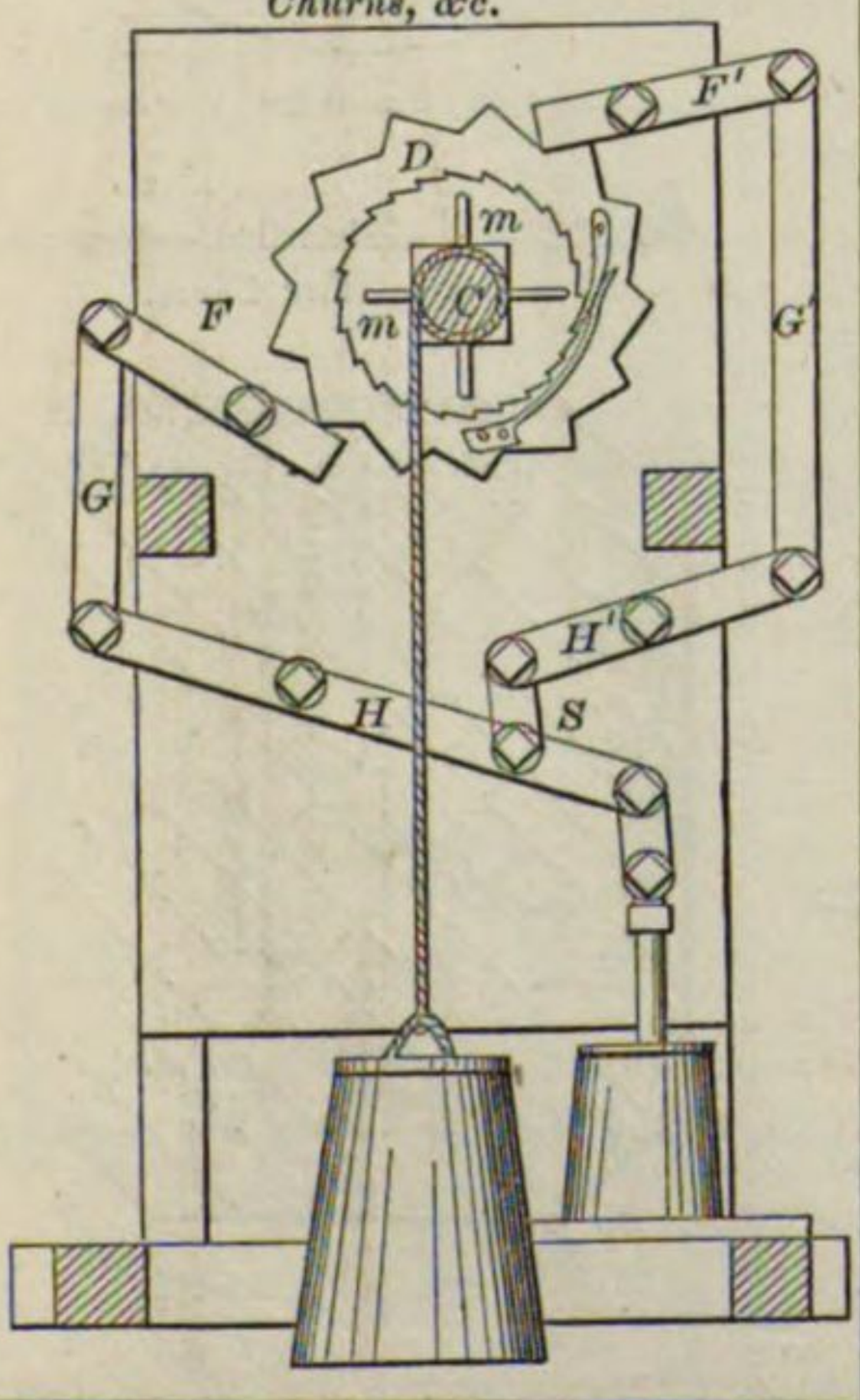
60230—W. P. Newhall—*Hydrant.*



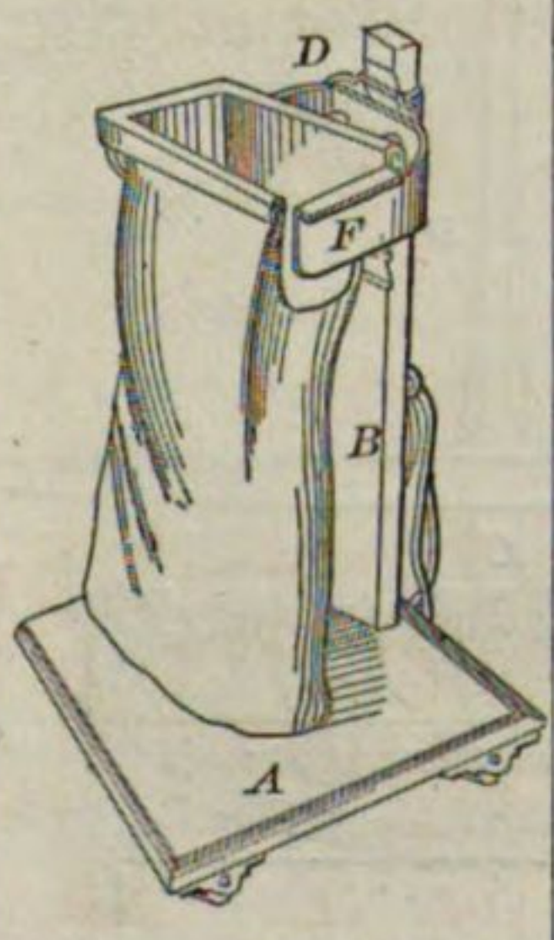
60231—A. N. Newton—*Brick Machine.*



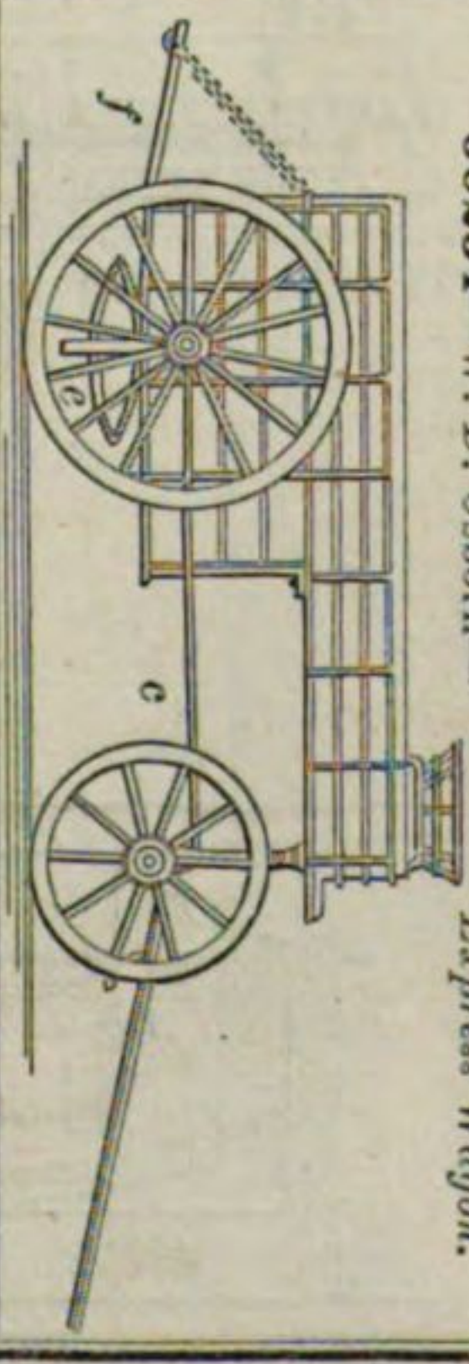
60232—J. P. Nichols—*For Operating Churns, &c.*



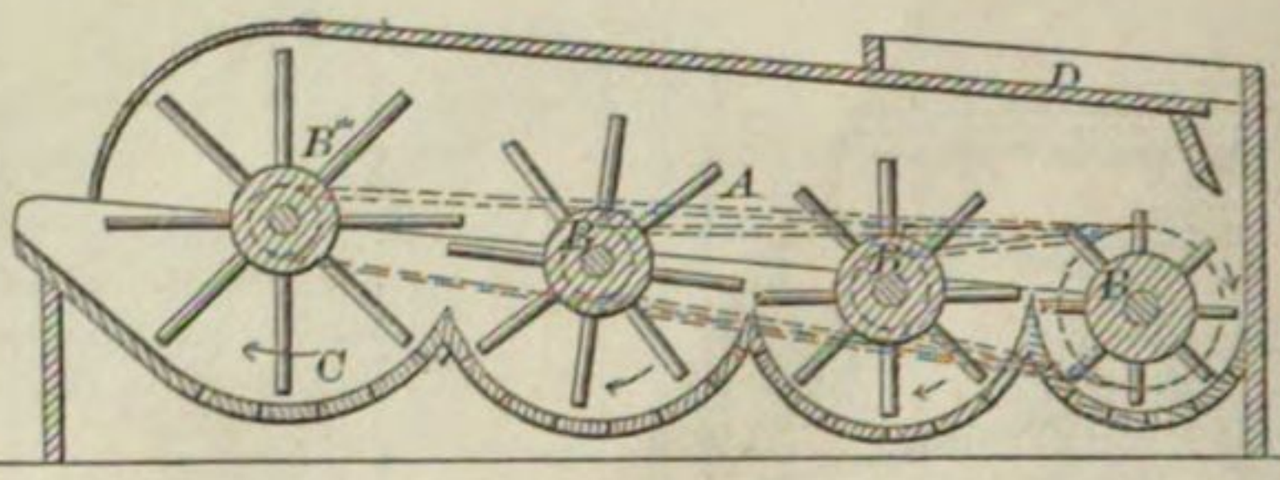
60233—J. V. H. Nott—*Bag Holder.*



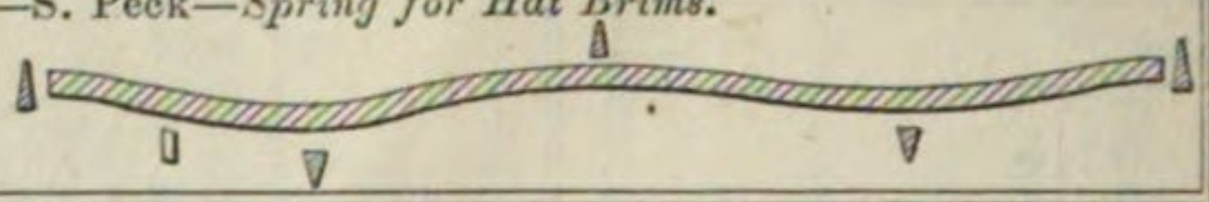
60234—W. D. Osborn—*Express Wagon.*



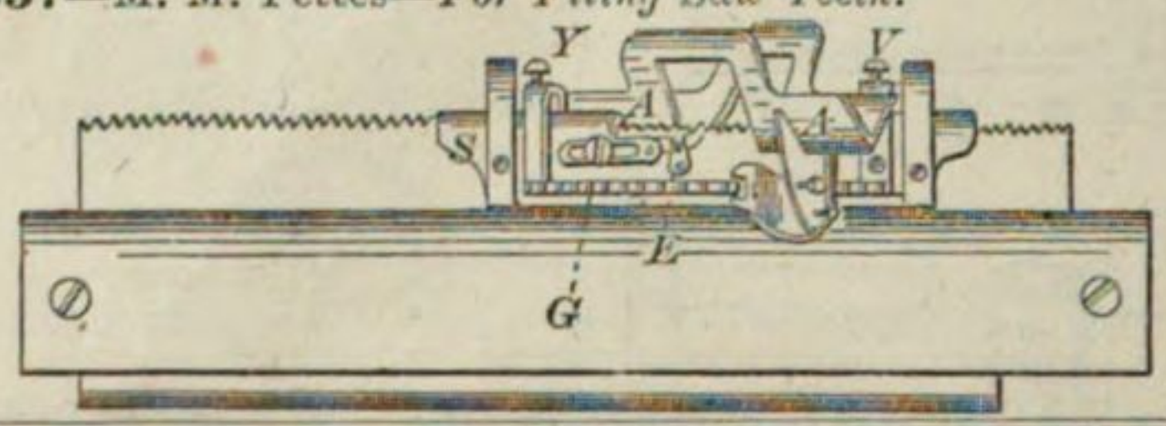
60235—J. G. Page—*Cotton Picker.*



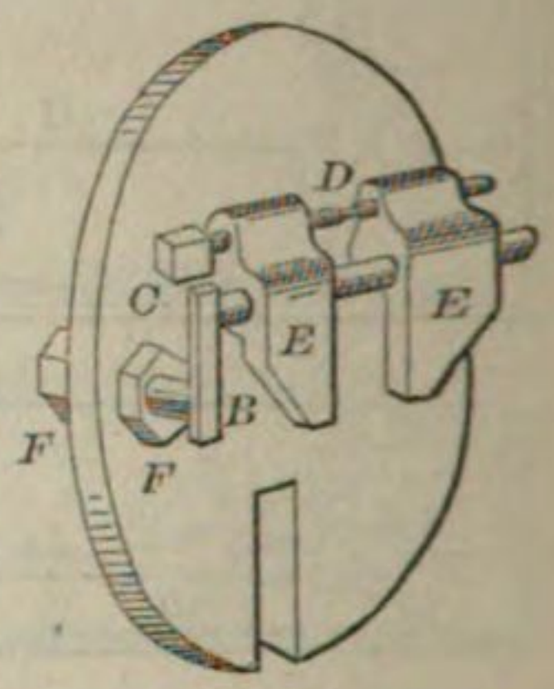
60236—S. Peck—*Spring for Hat Brims.*



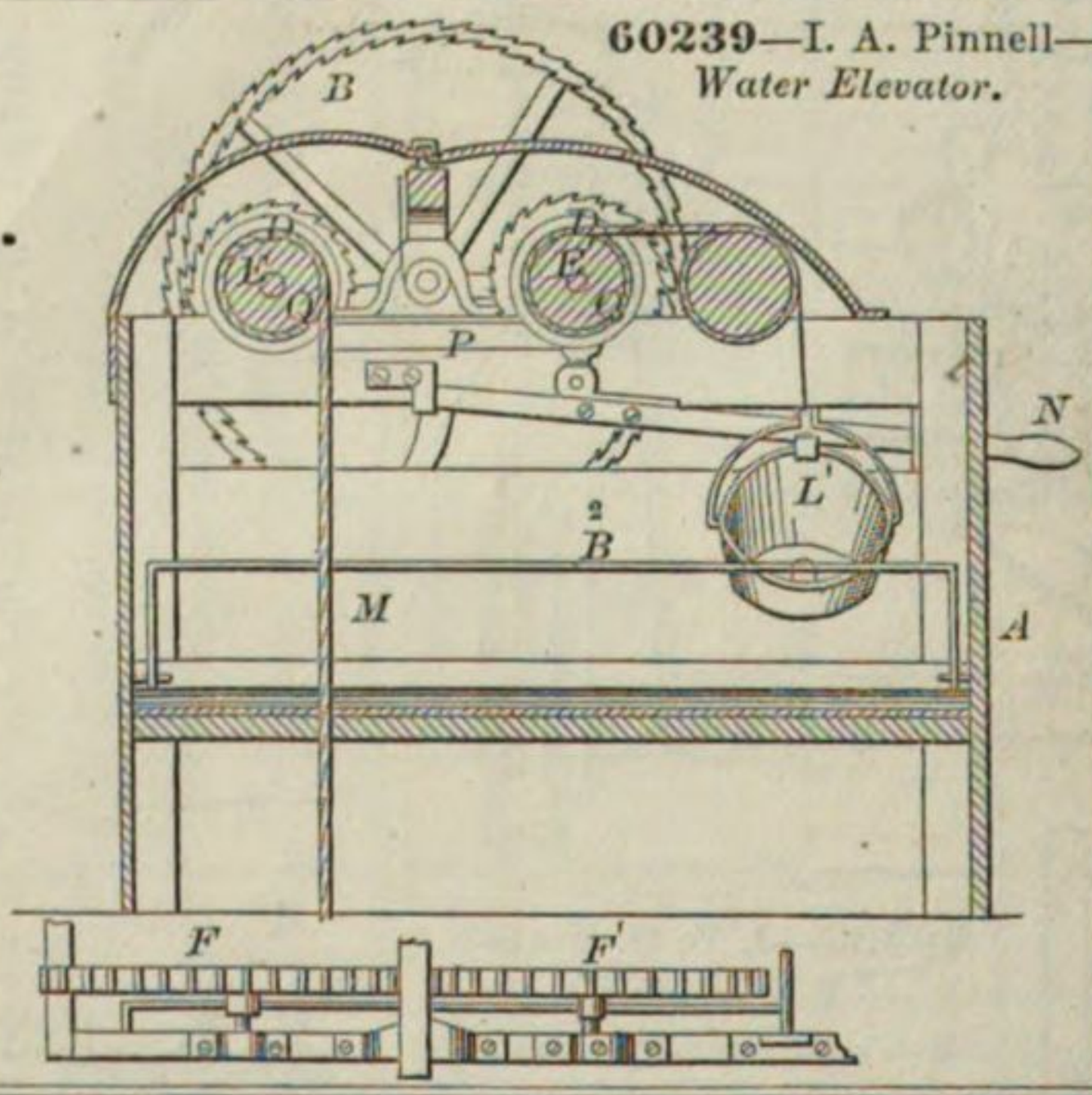
60237—M. M. Pettes—*For Filing Saw Teeth.*



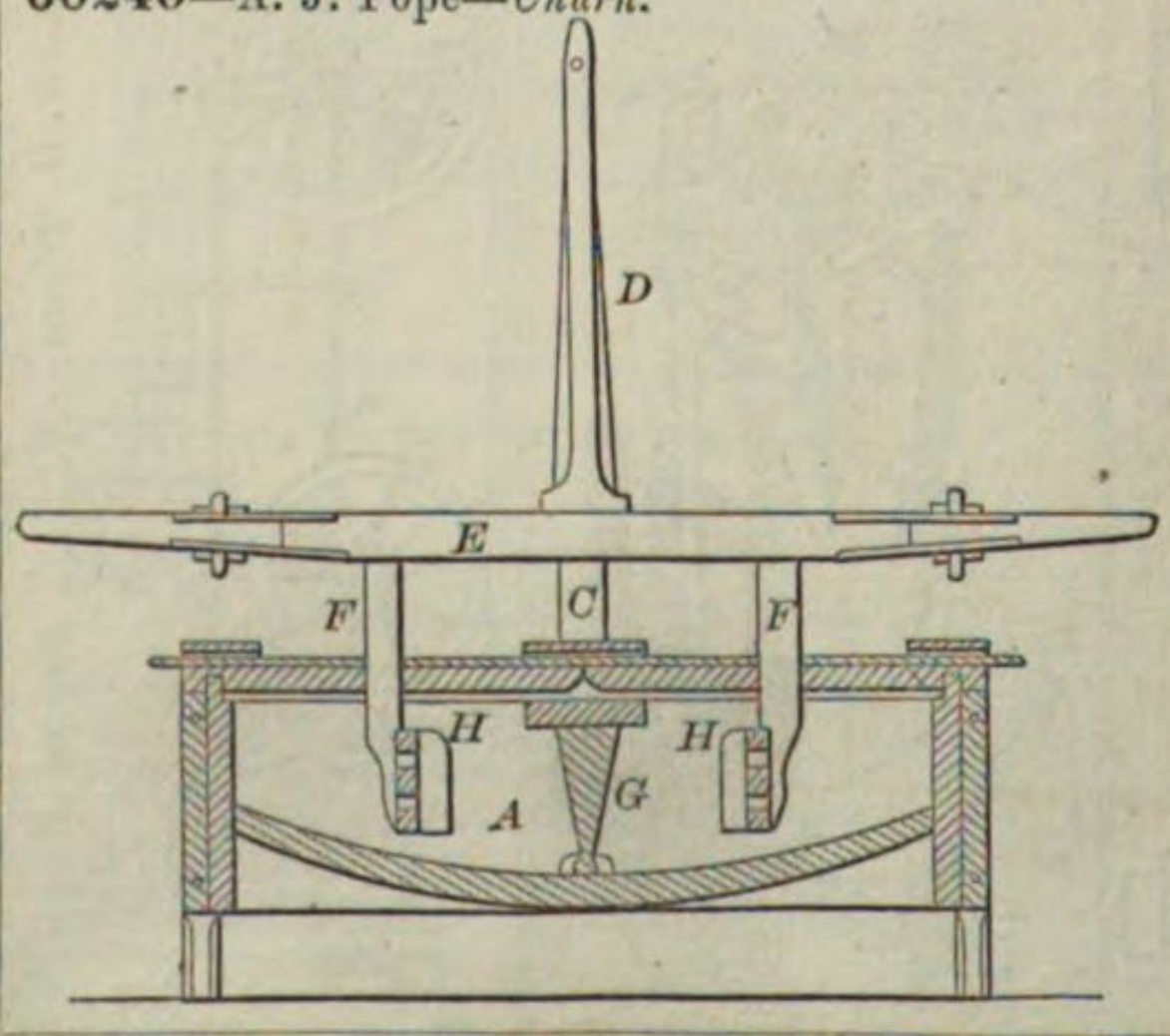
60238—W. Pimlott—*Lathe Dog.*



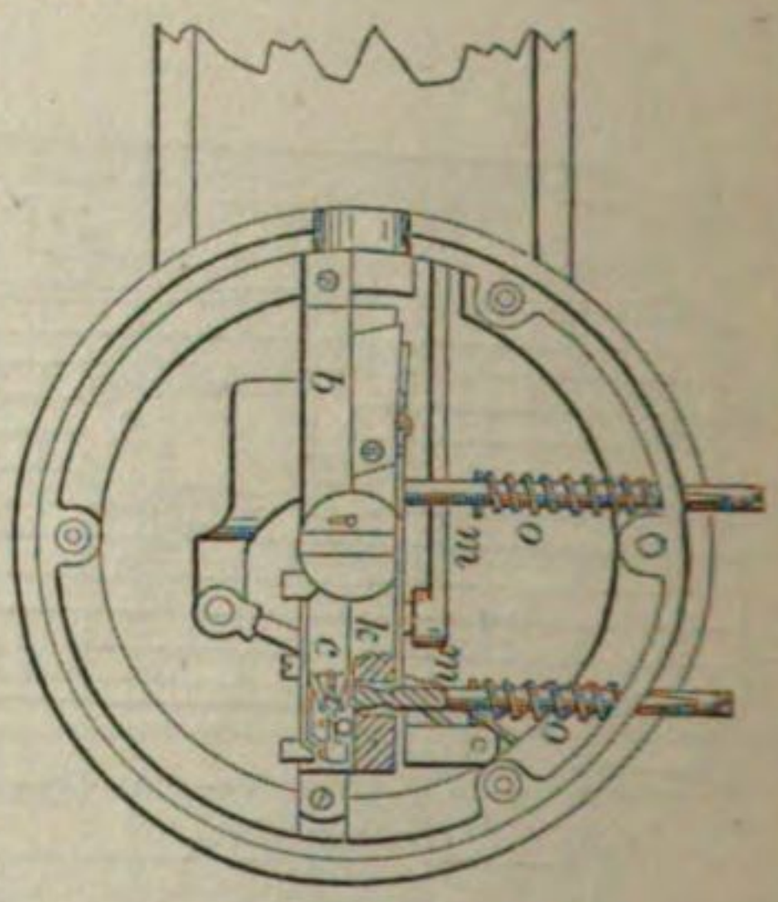
60239—I. A. Pinnell—*Water Elevator.*



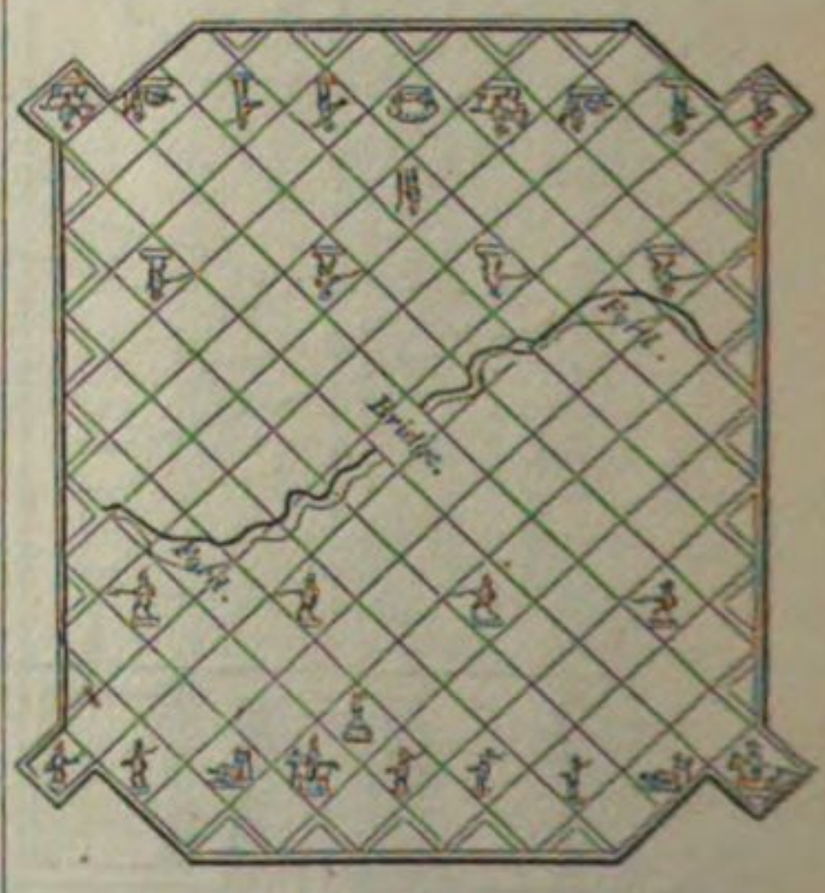
60240—A. J. Pope—*Churn.*



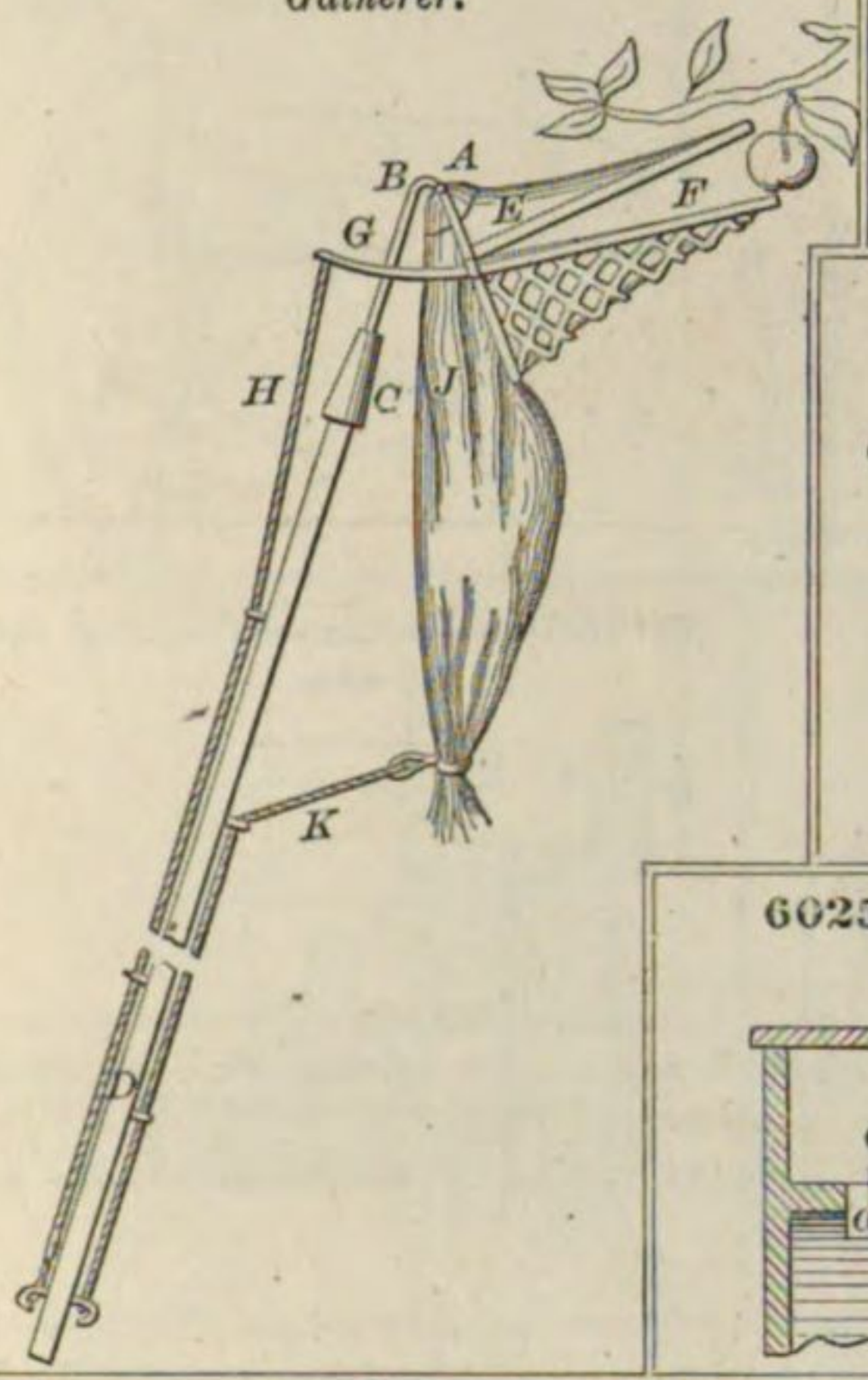
60241—T. K. Reed—*Sewing Machine.*



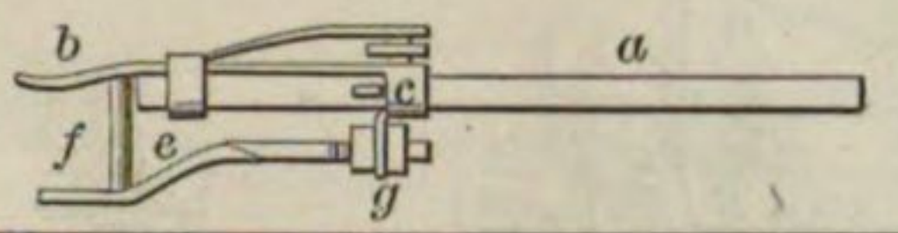
60247—C. Richardson—*Game of Battle War Chess.*



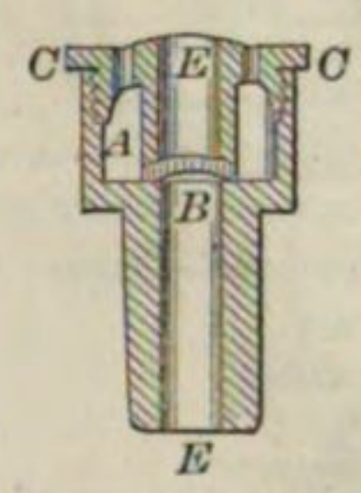
60249—Roberts & Hartzell—*Fruit Gatherer.*



60250—D. T. Robinson—*Pole for Horse Cars.*

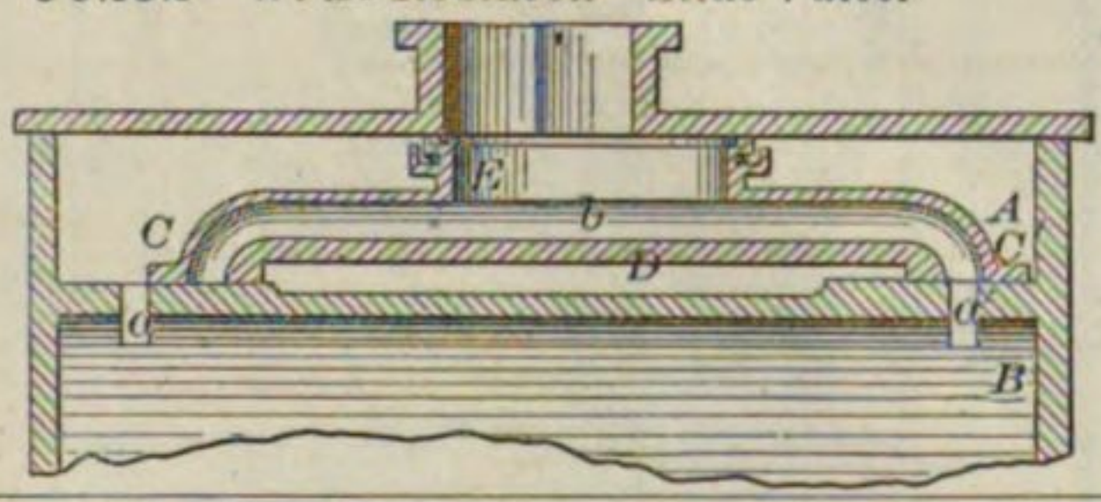


60251—Robinson & Jones—*Lubricator.*

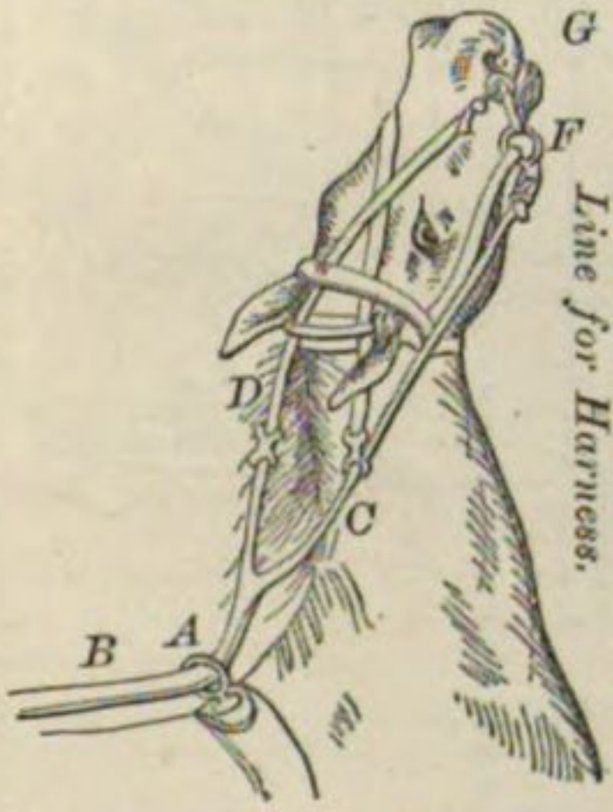


60254—A. H. Rockwell—*Bridle.*

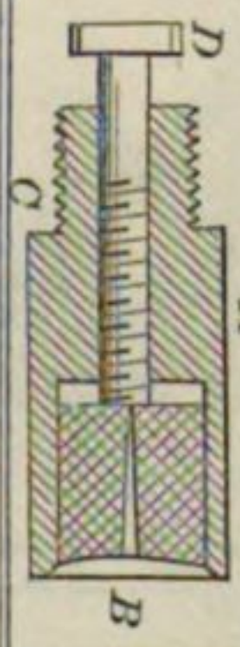
60252—W. B. Robinson—*Slide Valve.*



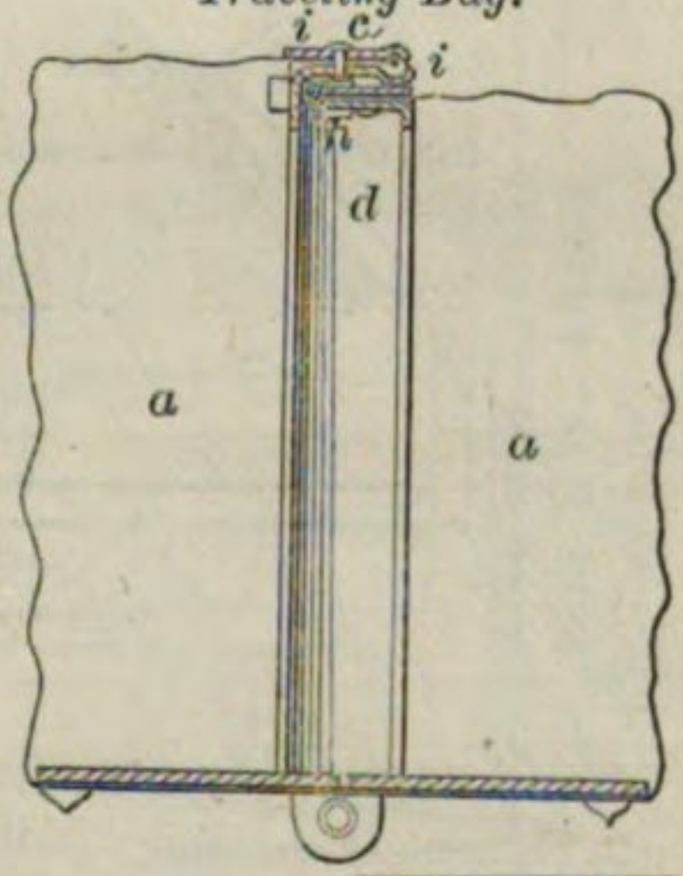
60253—A. H. Rockwell—*Safety Line for Harness.*



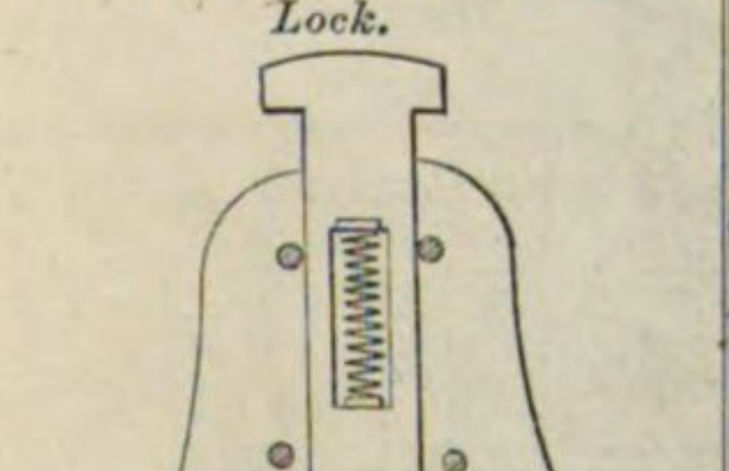
60258—E. Russell—*Chuck for Holding Buttons.*



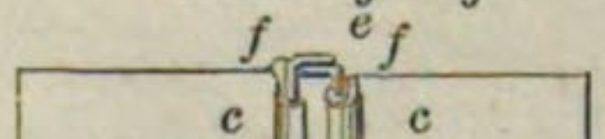
60255—E. A. G. Roulstone—*Traveling Bag.*



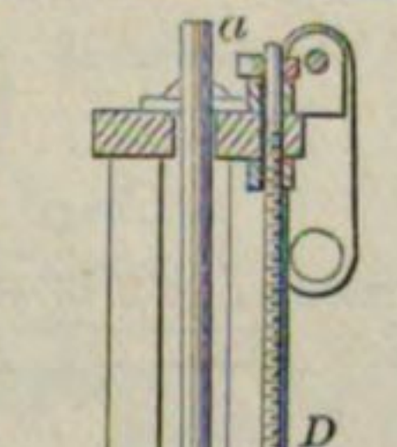
60257—E. A. G. Roulstone—*Lock.*



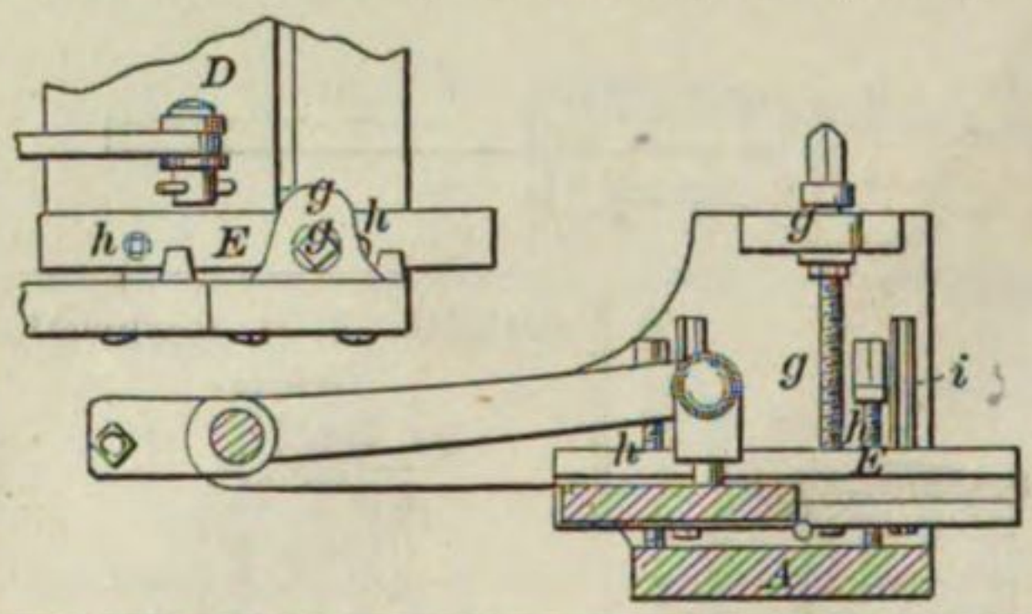
60256—E. A. G. Roulstone—*Traveling Bag.*



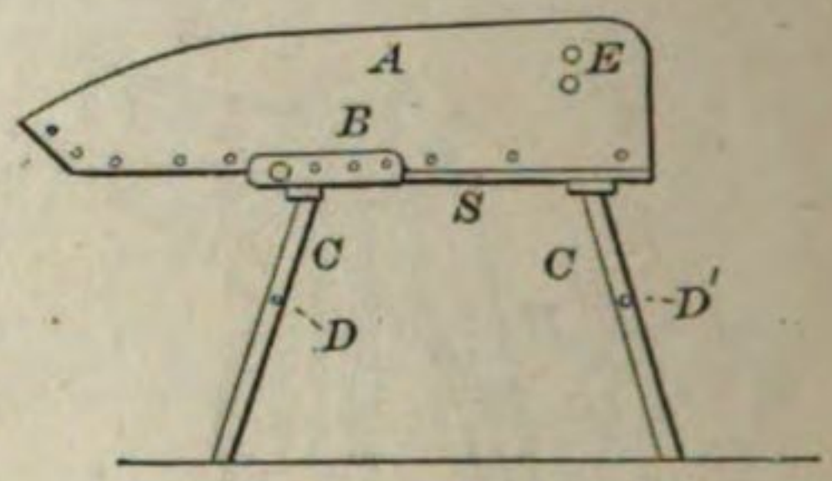
60259—R. Safely—*For Turning Shafting.*



60260—R. Safely—*For Straightening Shafting.*

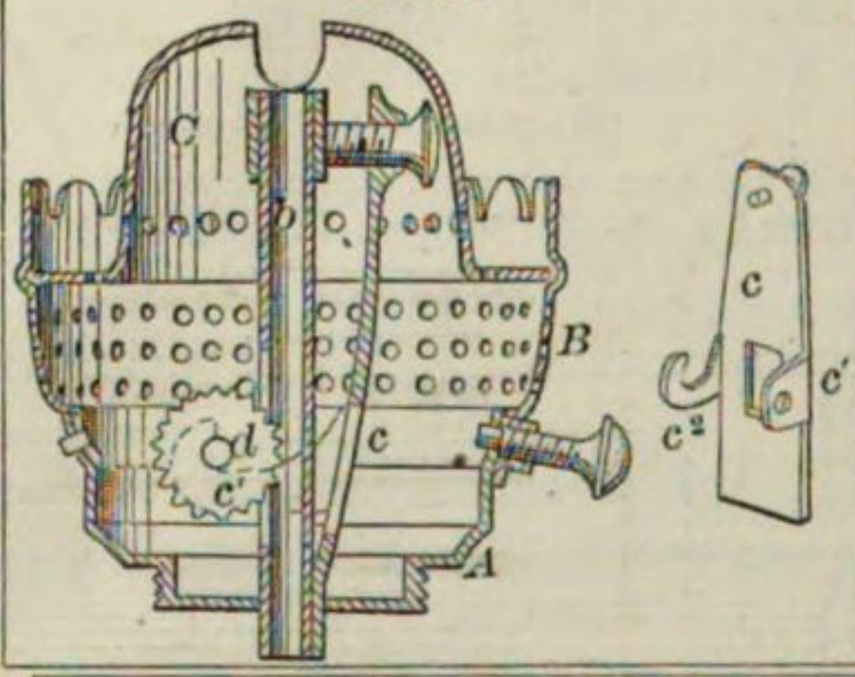


60262—Saladee & Moore—*Sheep Chair.*

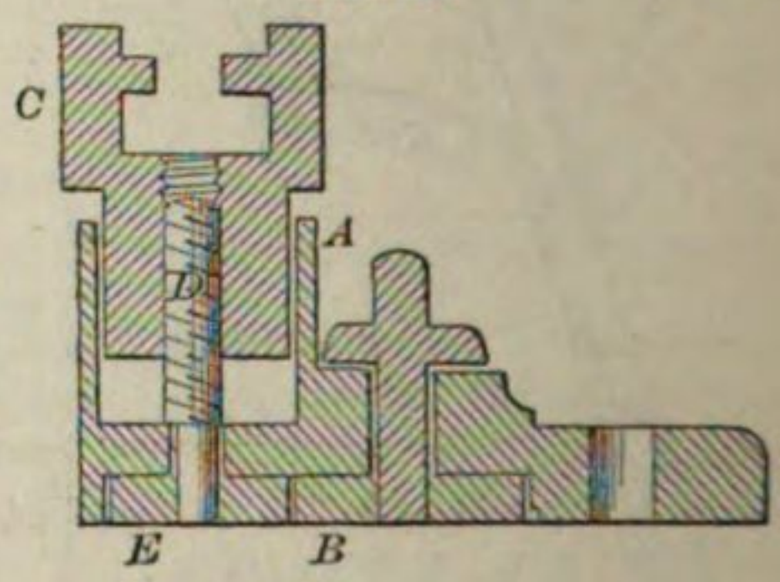


60261—H. W. Safford—*Well Drill.*

60263—J. F. Sanford—*Lamp Burner.*

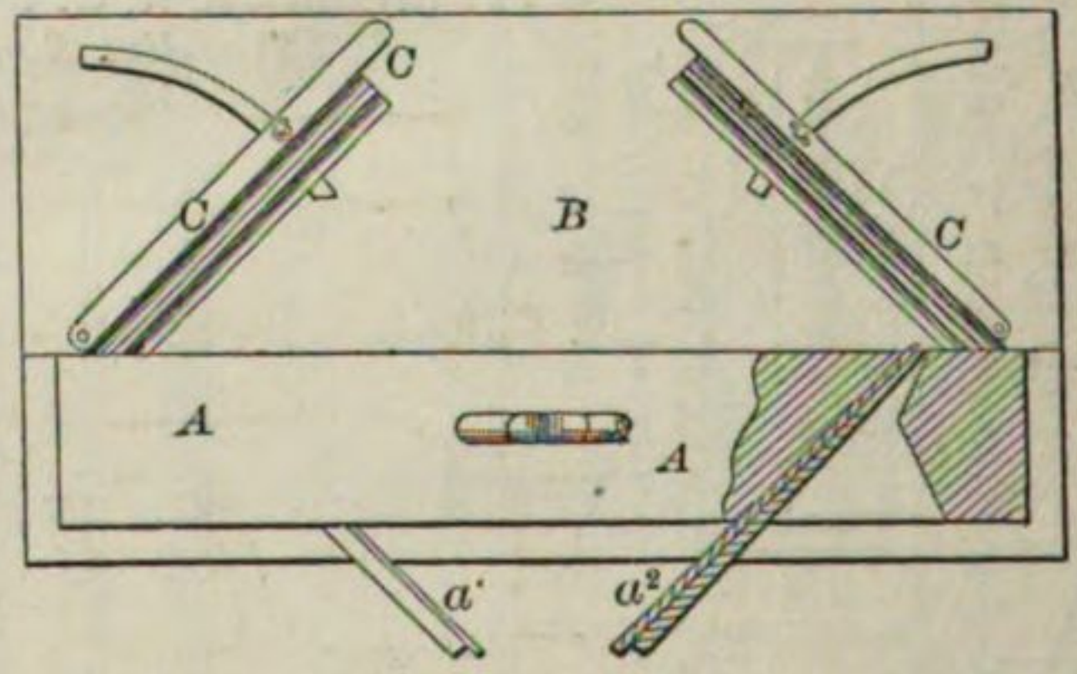


60266—J. Service—*Tool Rest for Lathes.*

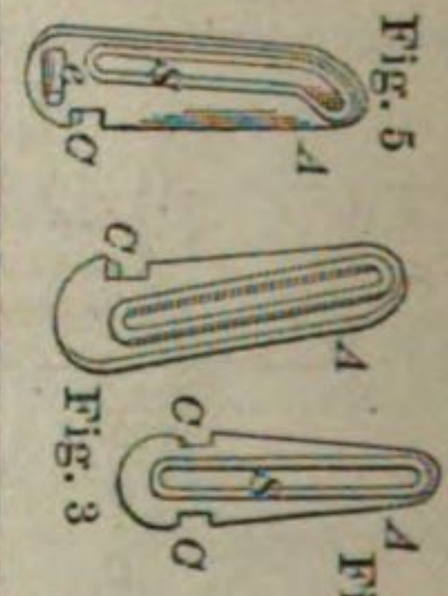


60264—A. M. Sawyer—*For Polishing Metals.*

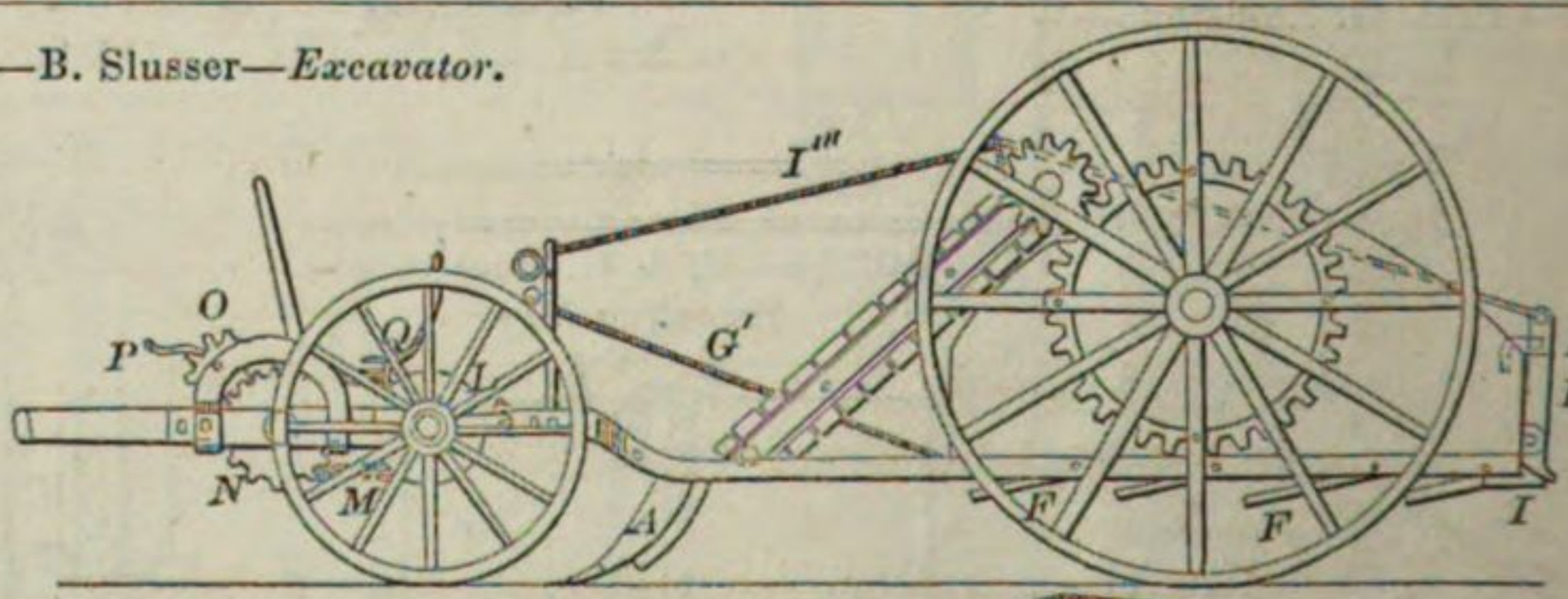
60265—J. Sawyer—*Mitre Plane.*



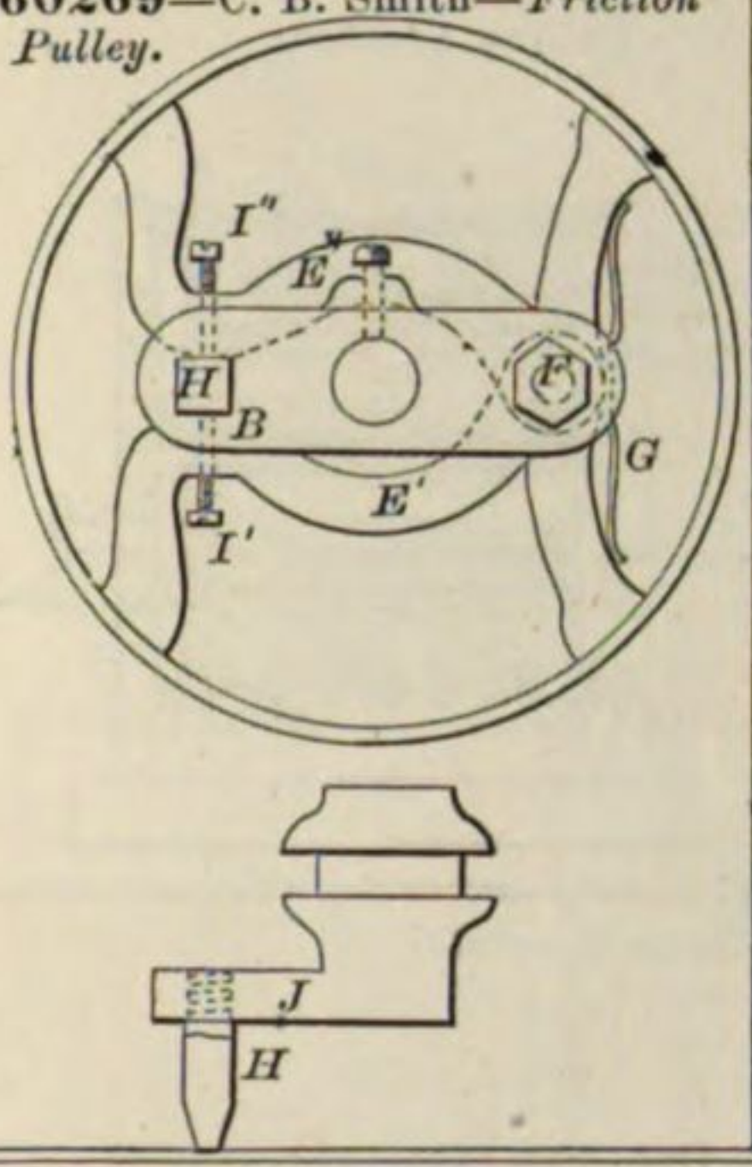
60267—W. Shailer—*Window Fastener.*



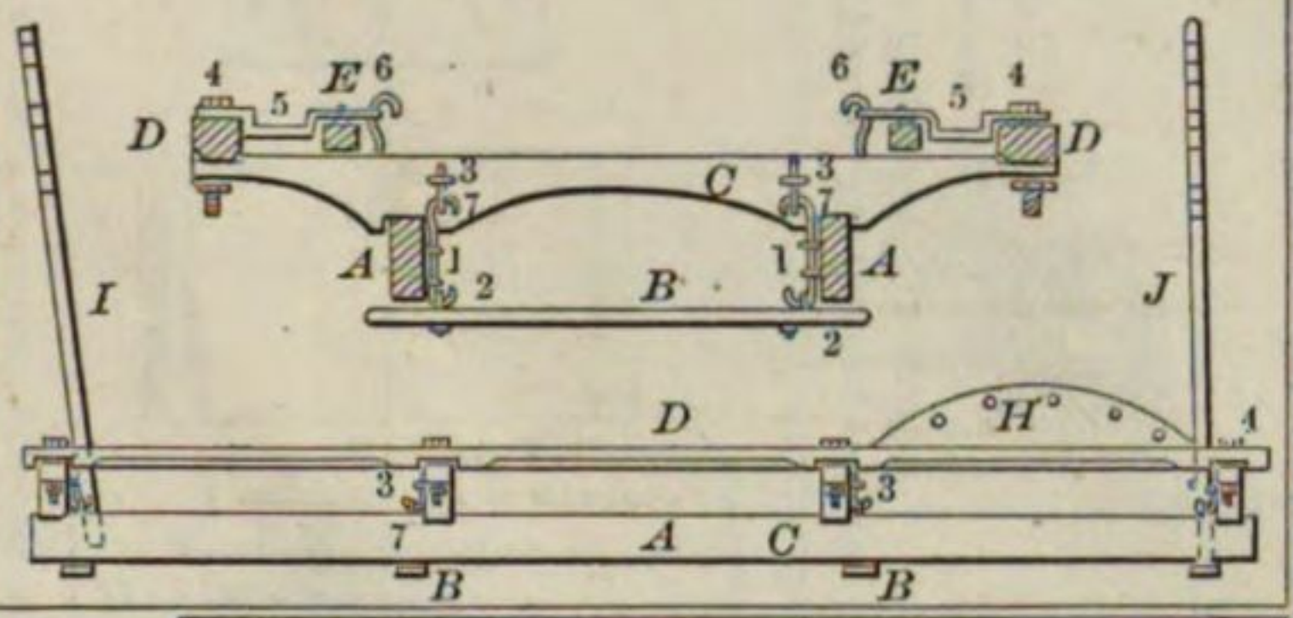
60268—B. Slusser—*Excavator.*



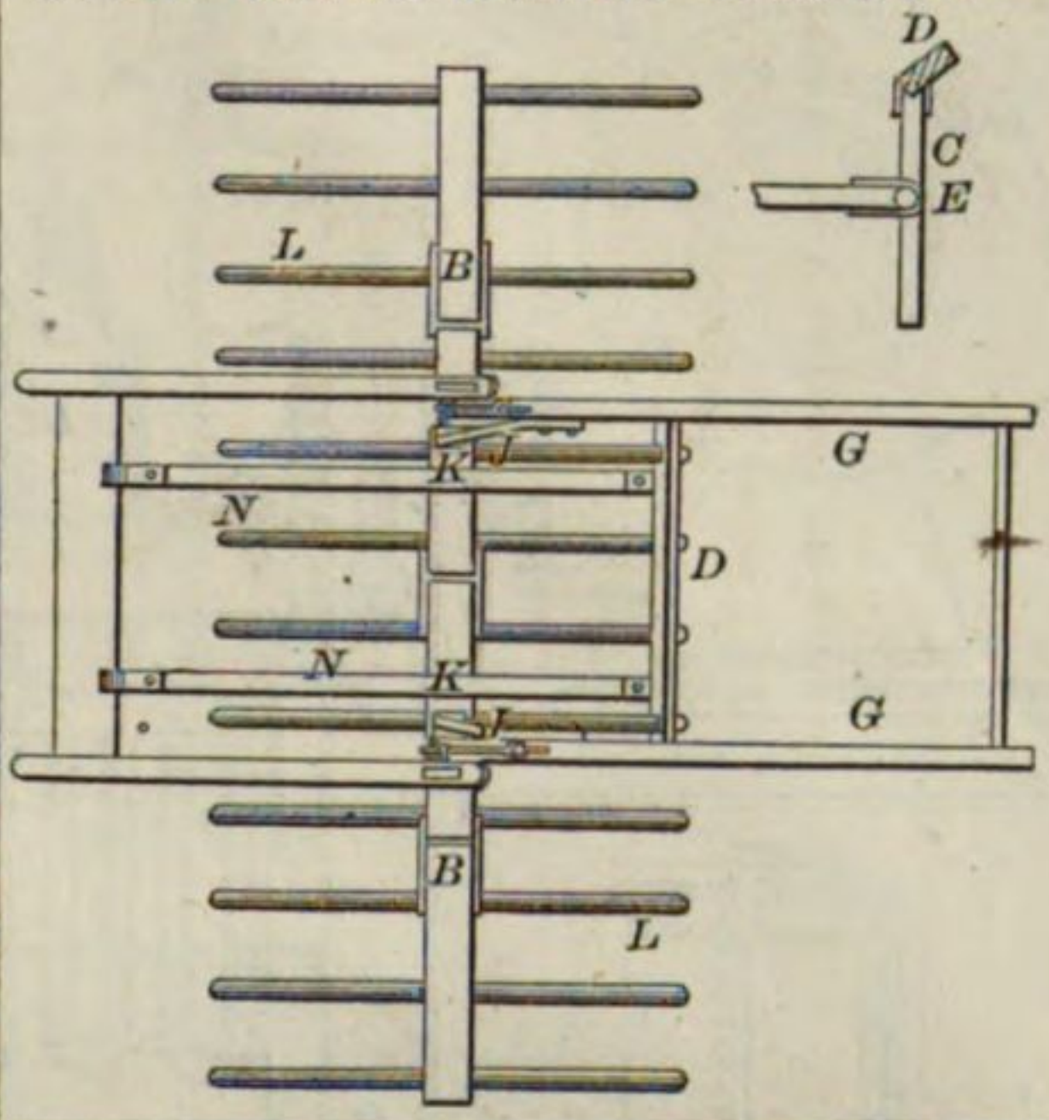
60269—C. B. Smith—*Friction Pulley.*



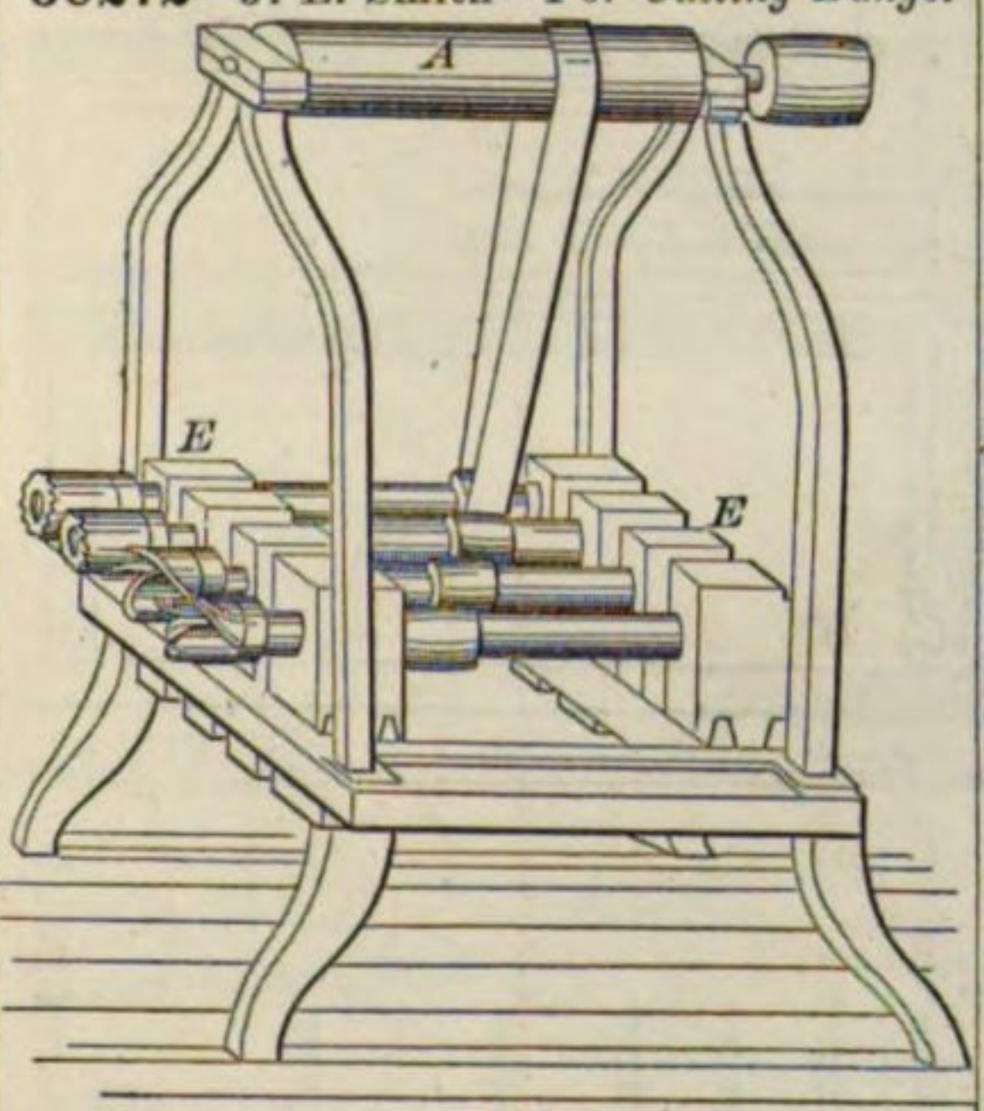
60271—G. Y. Smith—*Hay Rack.*

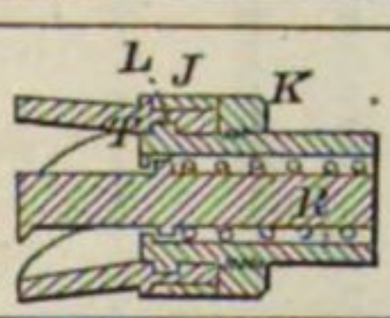


60270—Smith & Brumfield—*Horse Rake.*

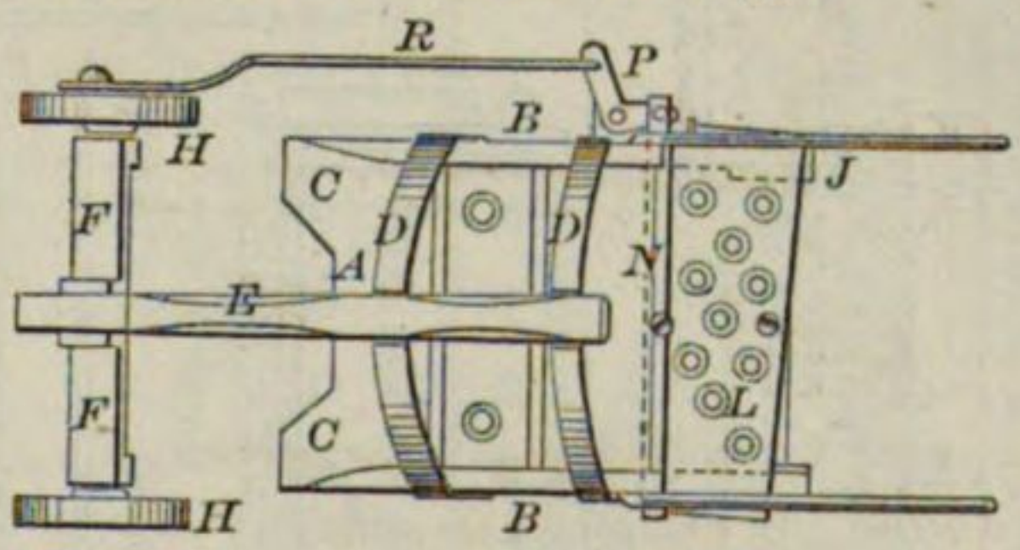


60272—J. E. Smith—*For Cutting Bungs.*

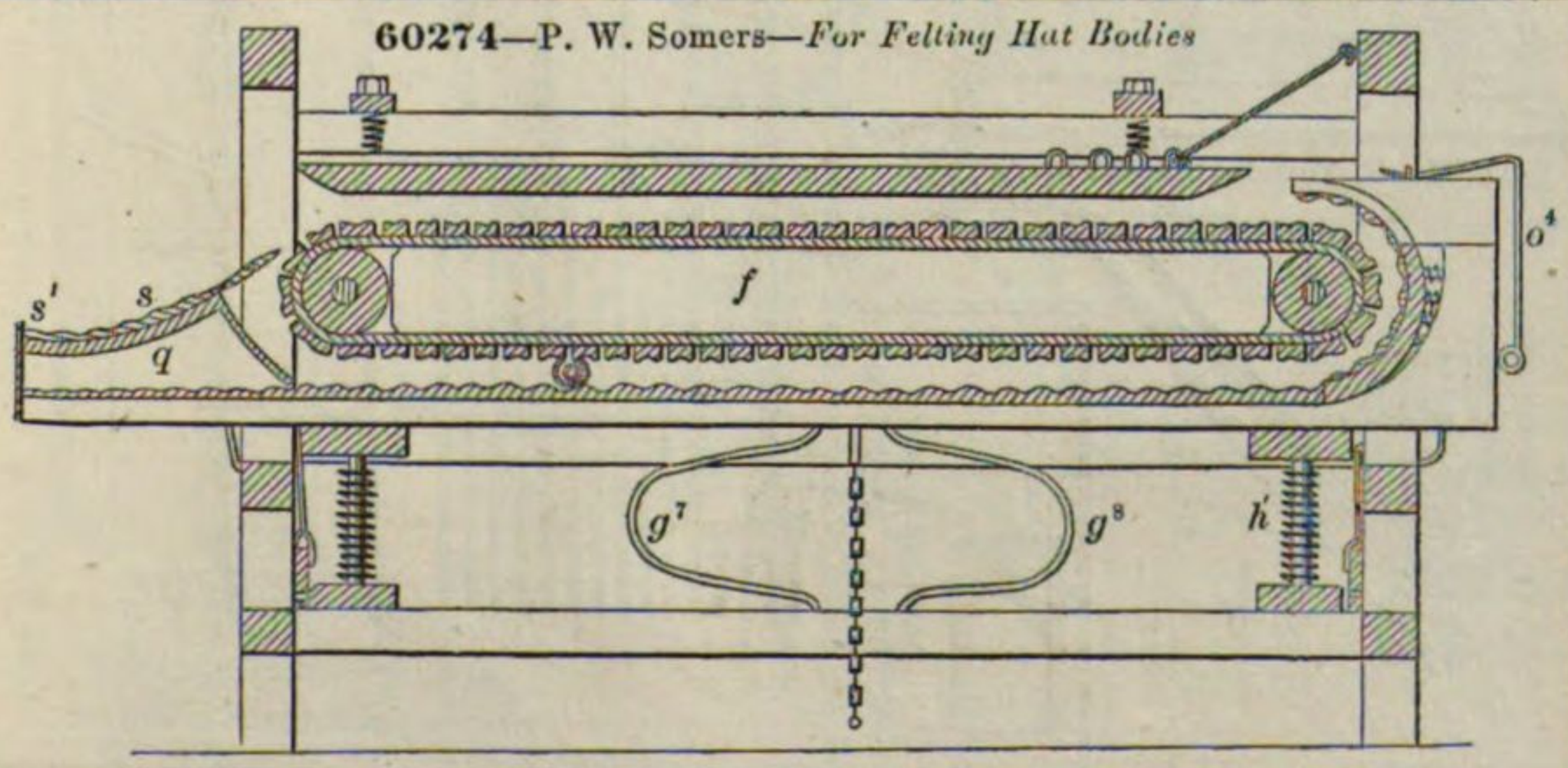




60273—J. V. Smith—*Potato Digger.*

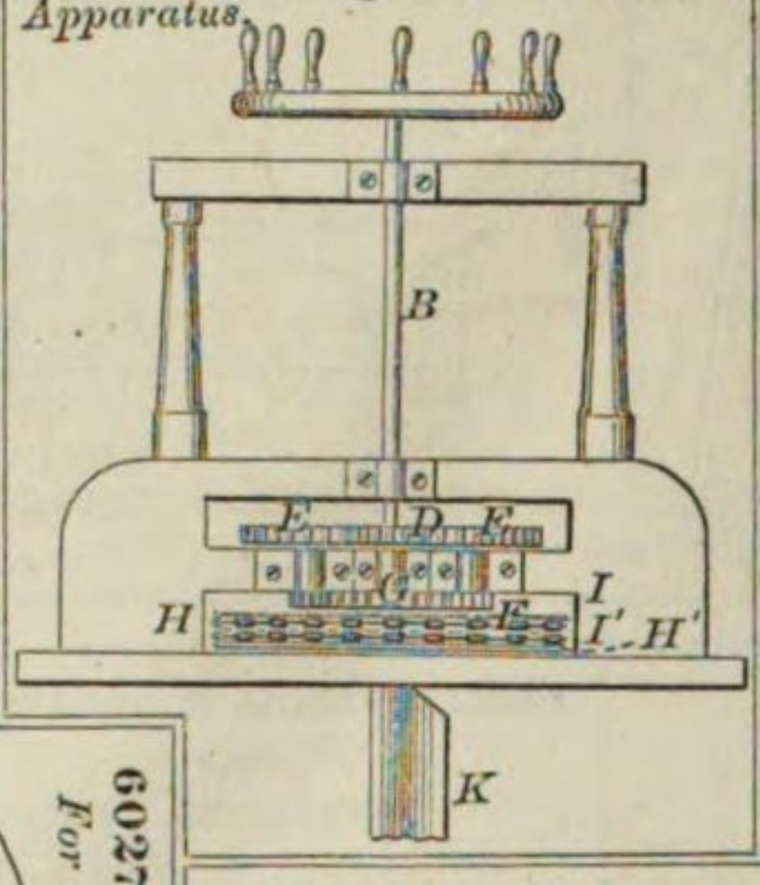


60274—P. W. Somers—*For Felting Hat Bodies*

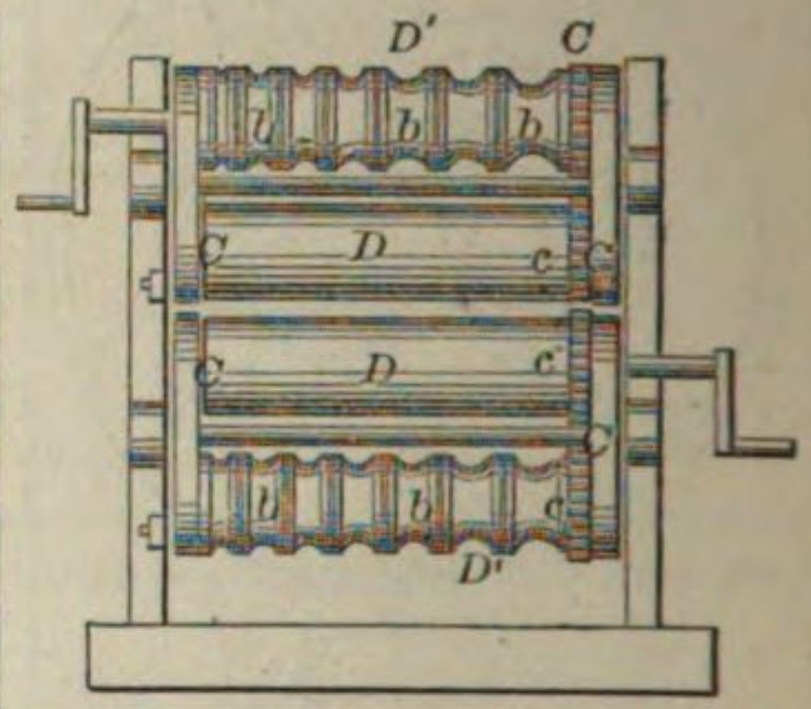


60275—P. W. Somers—*Roll for Felting or Sizing Hat Bodies.*

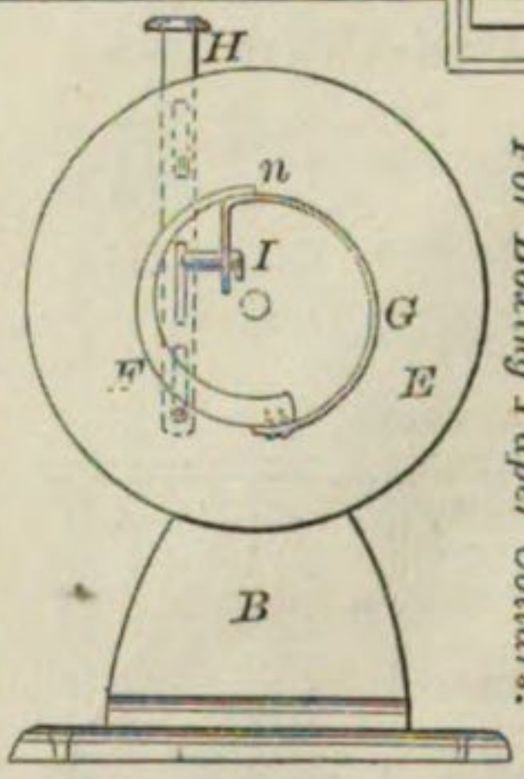
60276—R. Sparks—*Steering Apparatus.*



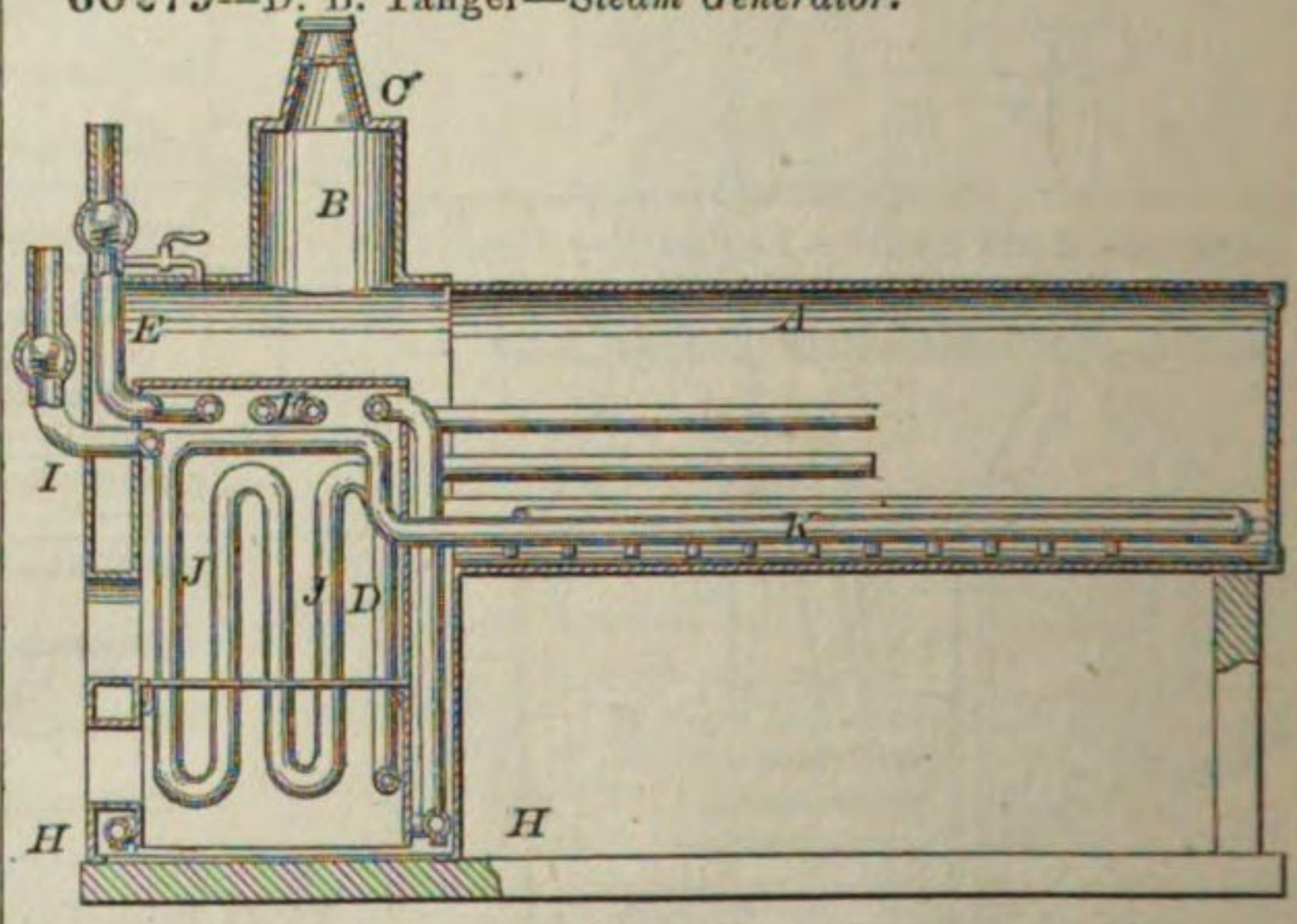
60277—Q. Stoddard—*For Rolling Leather.*



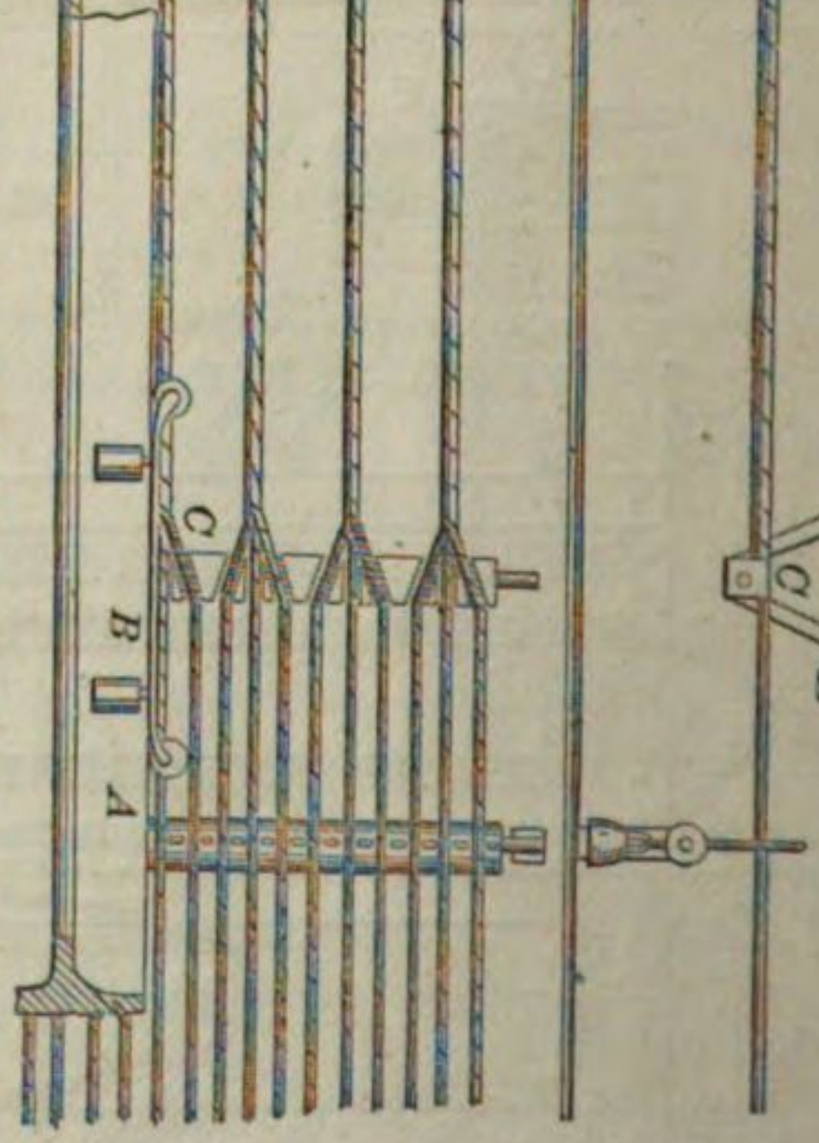
60278—Stoner & Sigwalt—*For Boxing Paper Collars.*



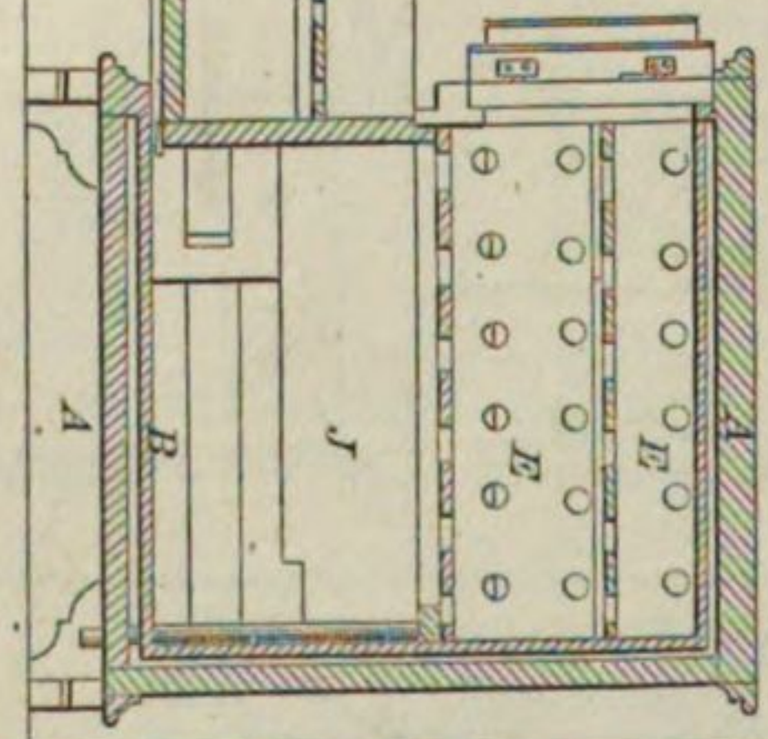
60279—D. B. Tanger—*Steam Generator.*



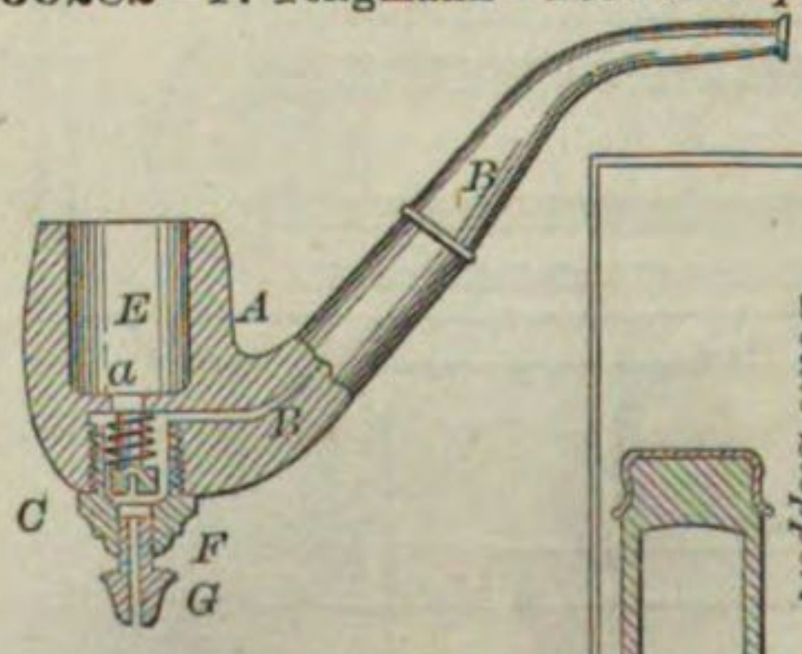
60280—Taylor, Crandall, Crandall & Larkin—*For Making Tacks.*



60281—H. R. Taylor—*Refrigerator.*

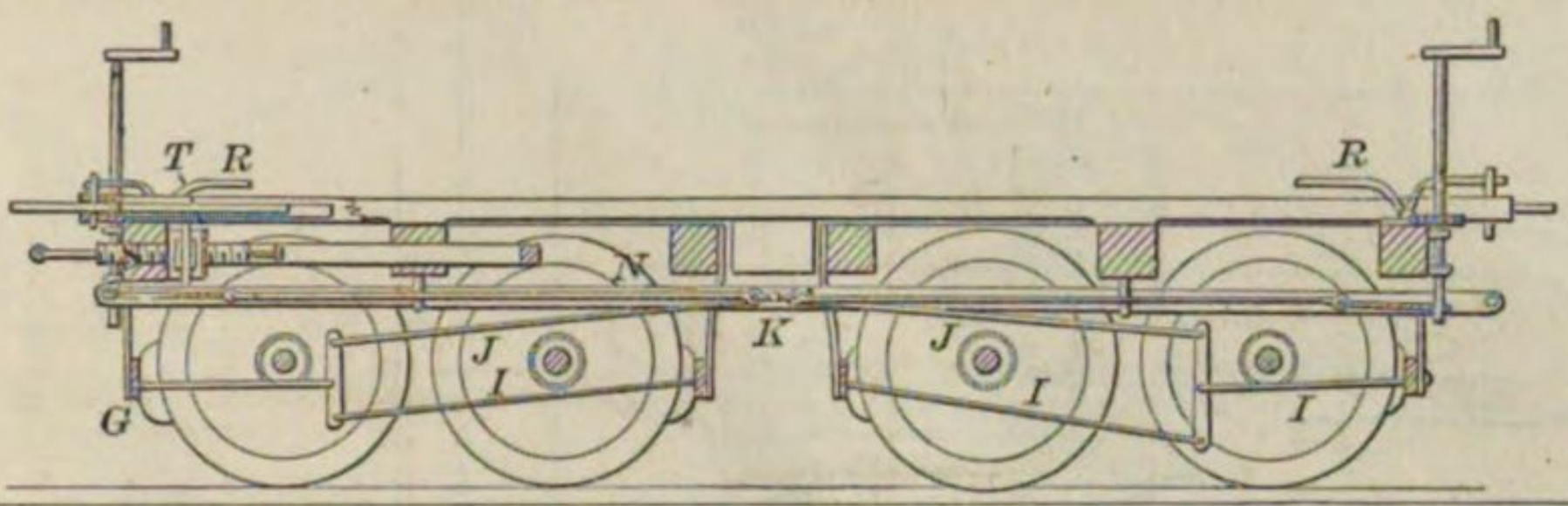


60282—F. Tellgmann—*Tobacco Pipe.*

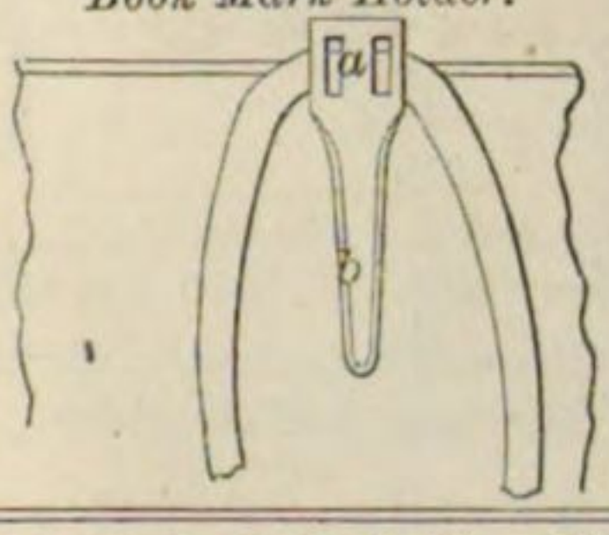


60283—N. Thompson—*Bottle Stopper.*

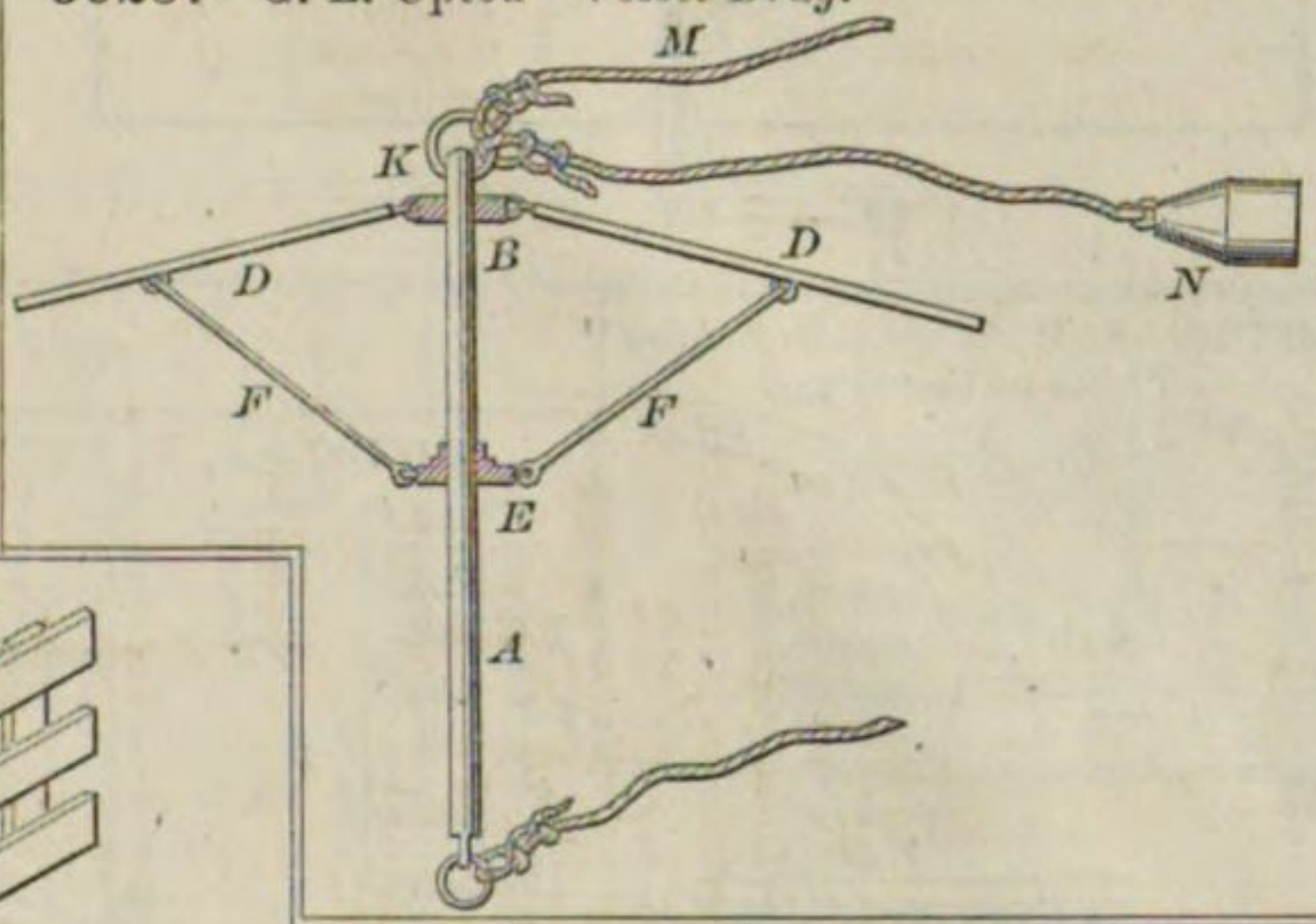
60284—S. H. Timmons—*Car Brake.*



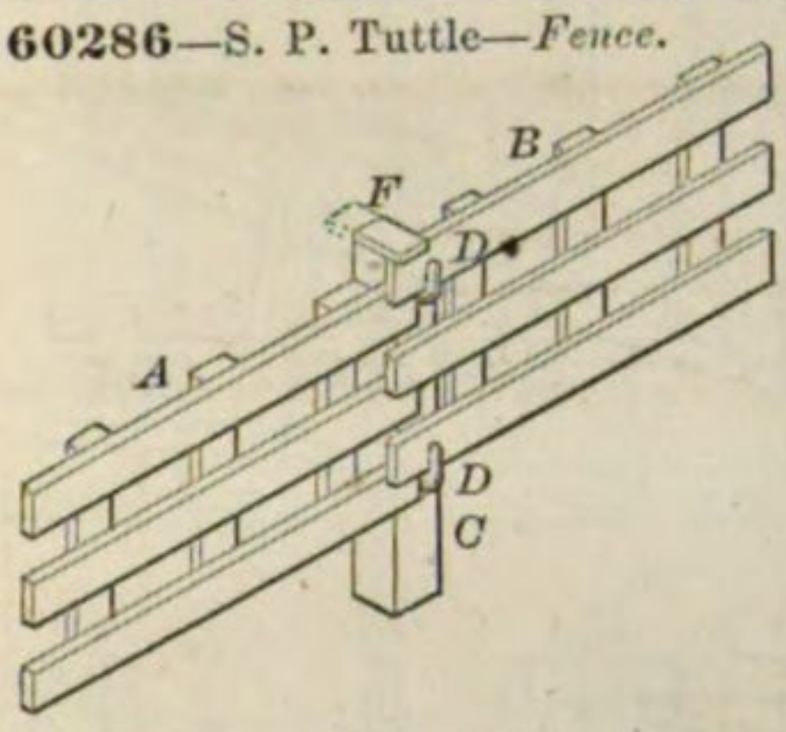
60285—P. Tomppert, Jr.—*Book Mark Holder.*



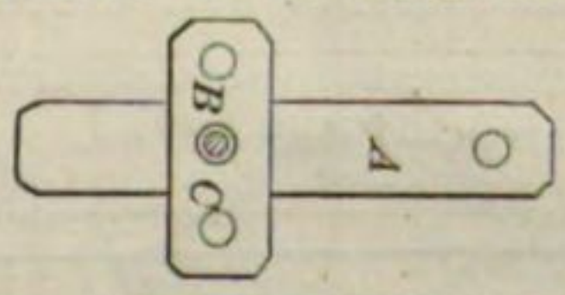
60287—G. L. Upton—*Vessel Drag.*



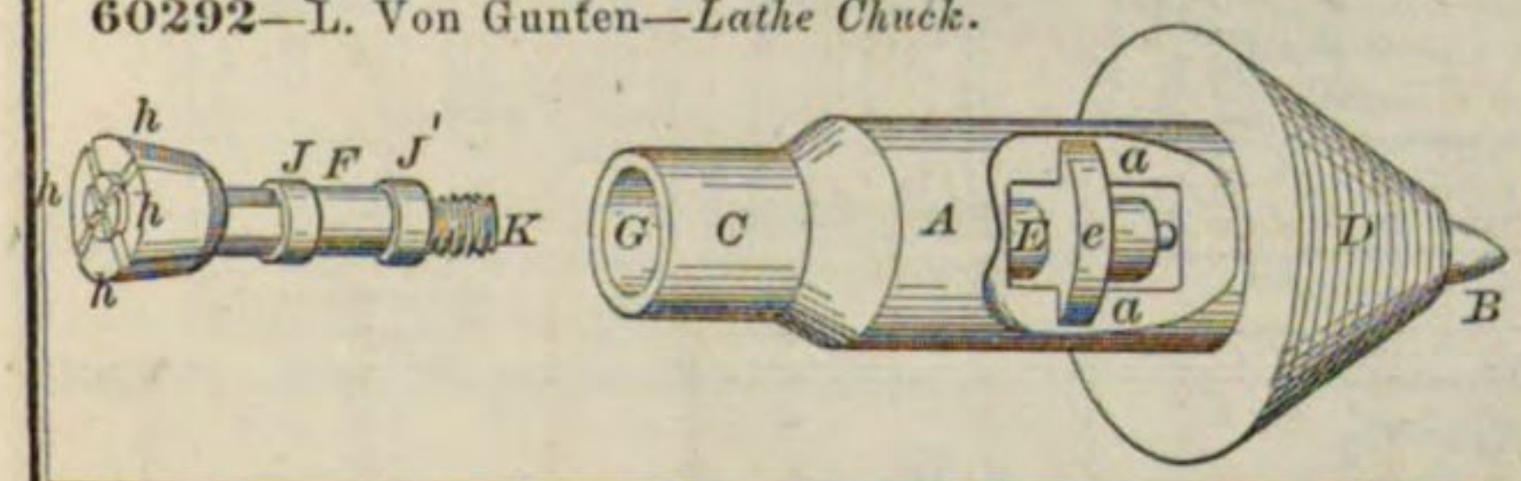
60286—S. P. Tuttle—*Fence.*



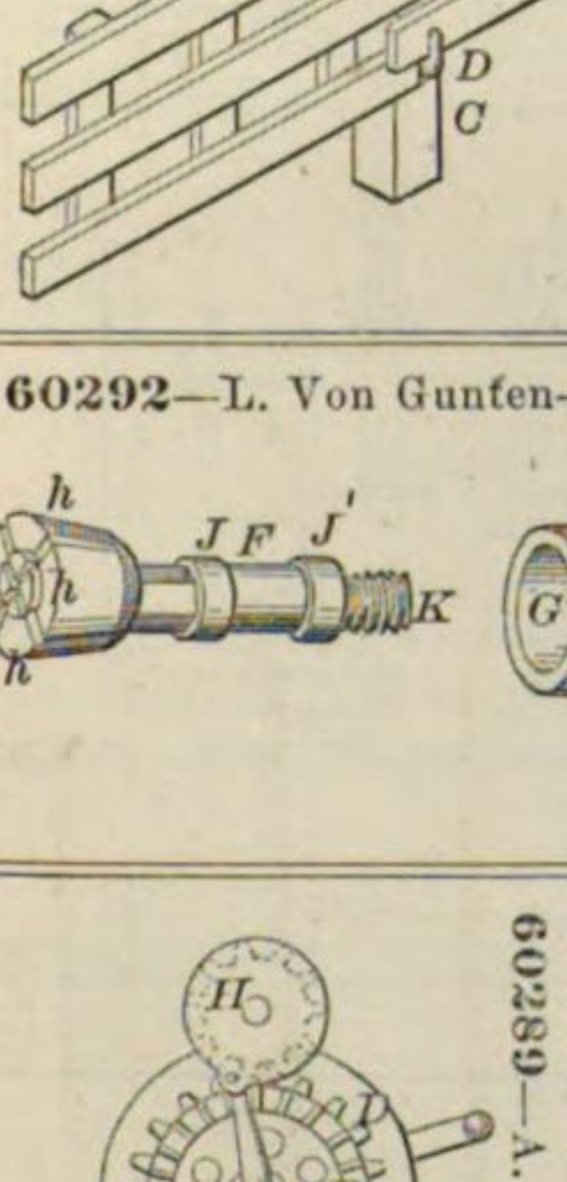
60288—S. W. Valentine—*Trunk.*



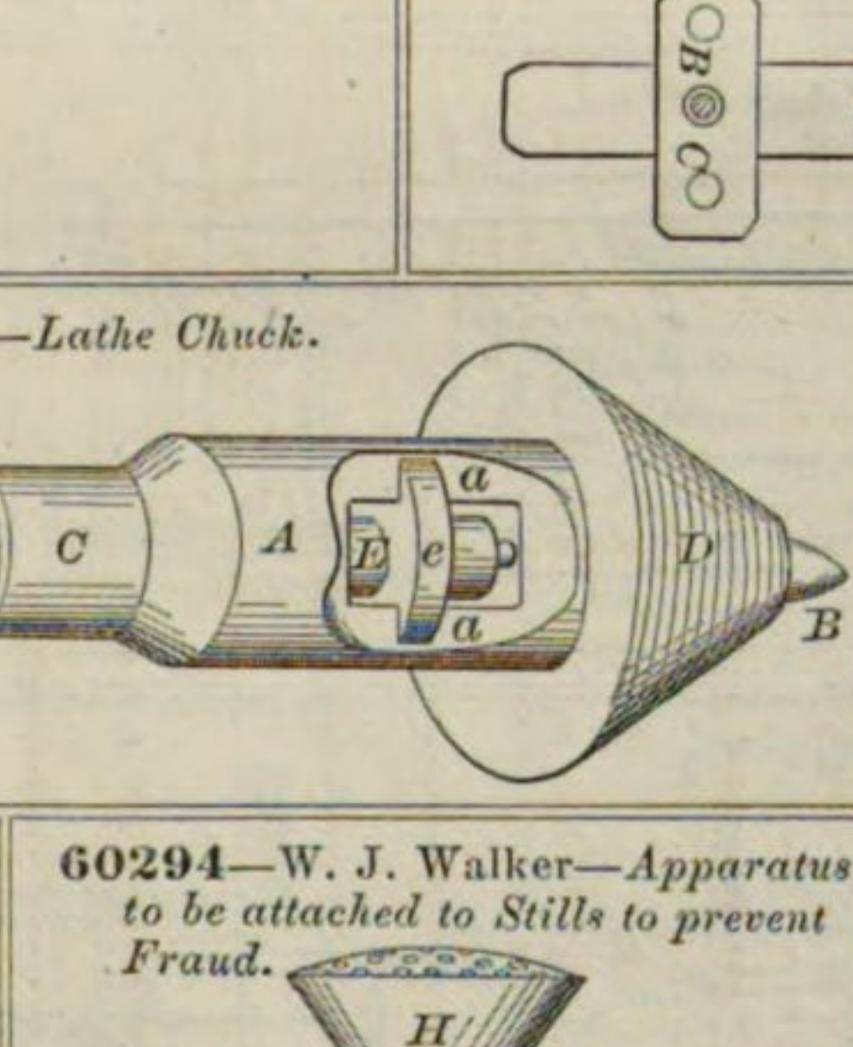
60292—L. Von Gunten—*Lathe Chuck.*



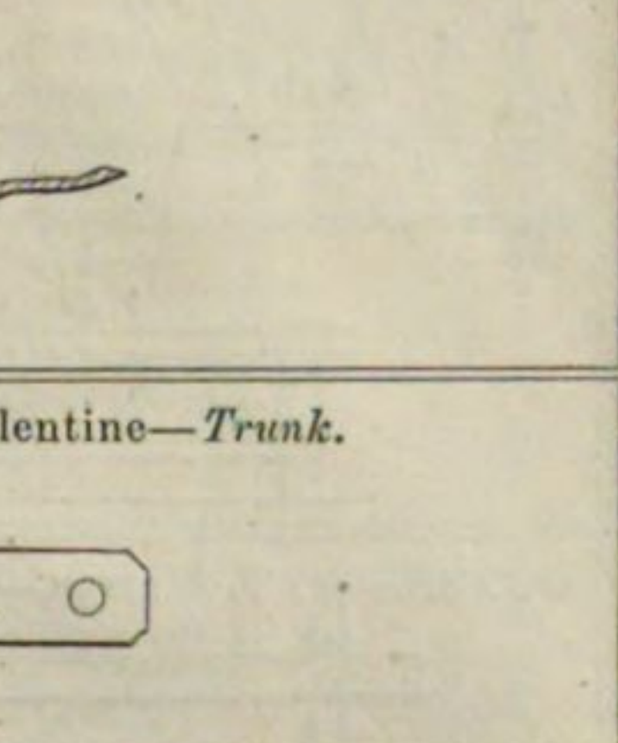
60289—A. J. Vanatta—*Churn.*



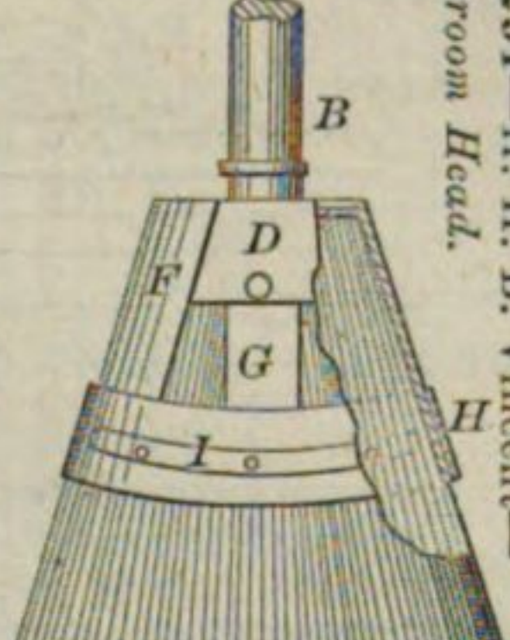
60294—W. J. Walker—*Apparatus to be attached to Stills to prevent Fraud.*



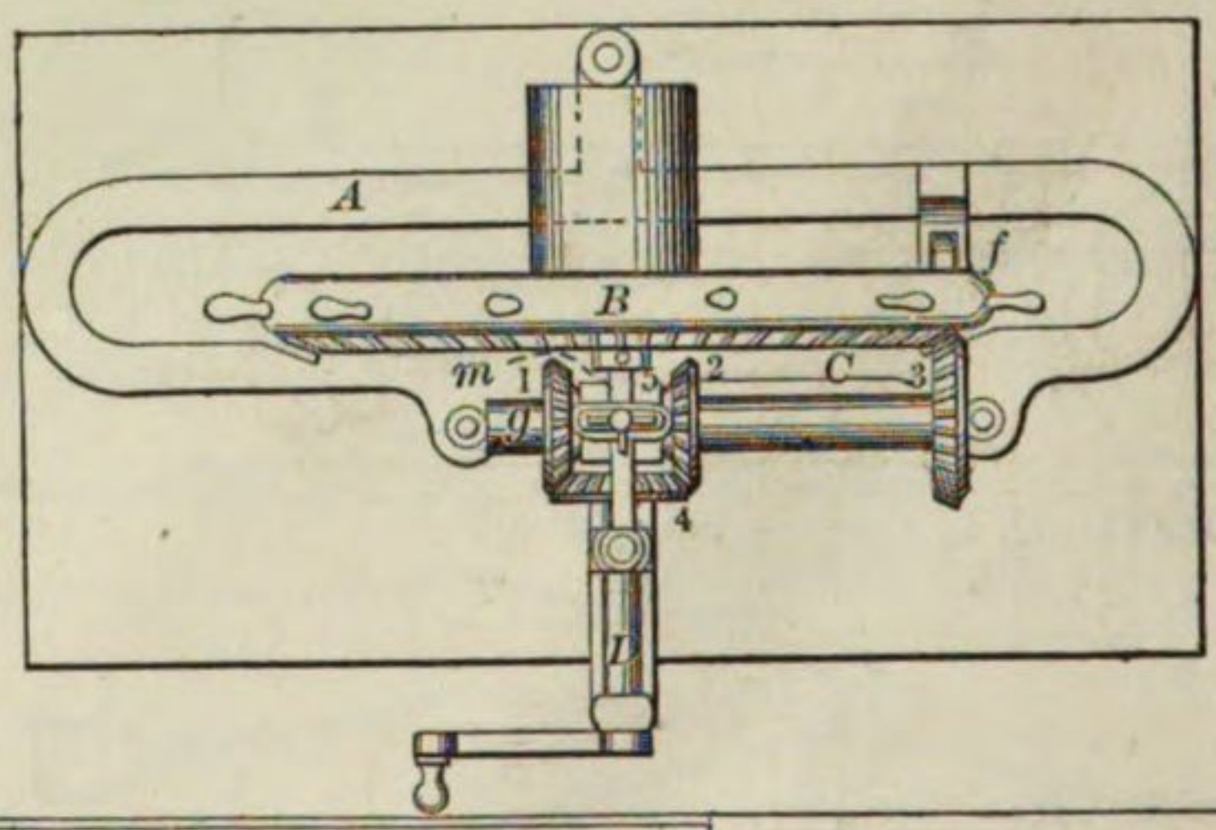
60291—H. H. B. Vincent—*Broom Head.*



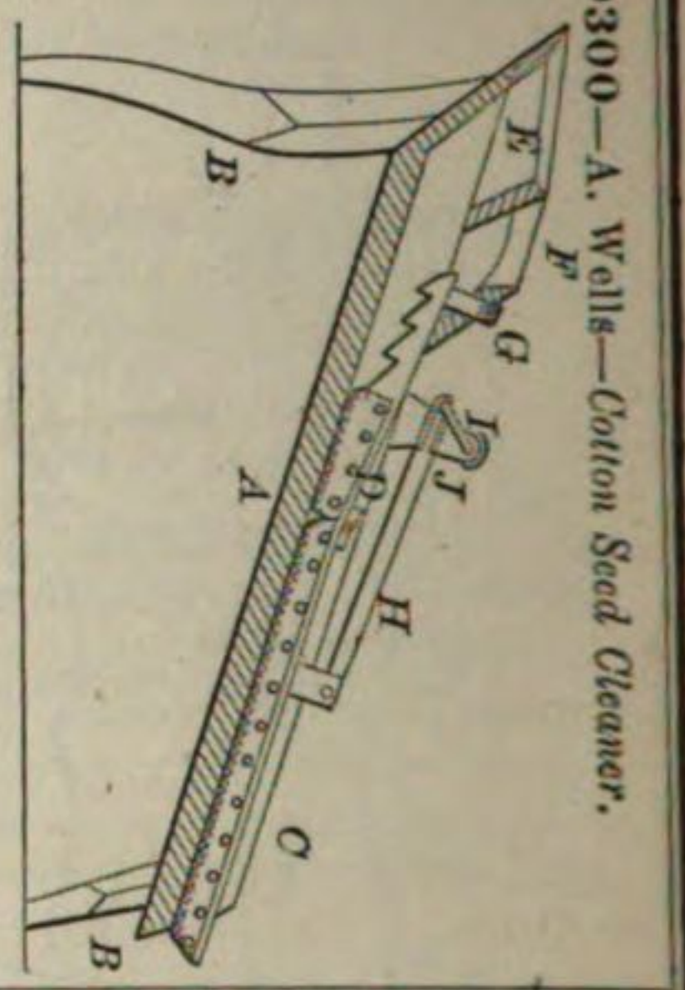
60293—Z. B. Wakeman—*Sash Fastener.*



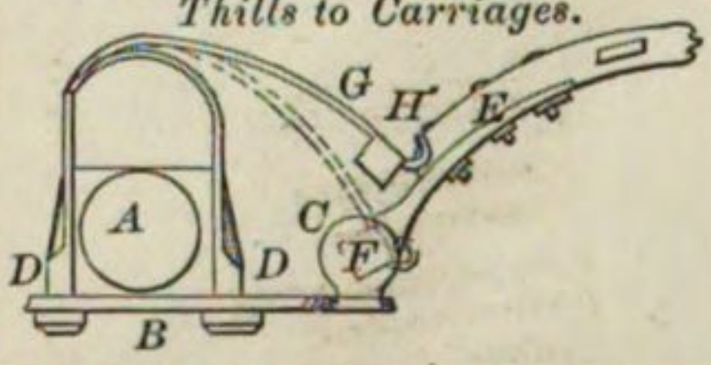
60295—S. L. Walkinshaw—*Steering Apparatus.*



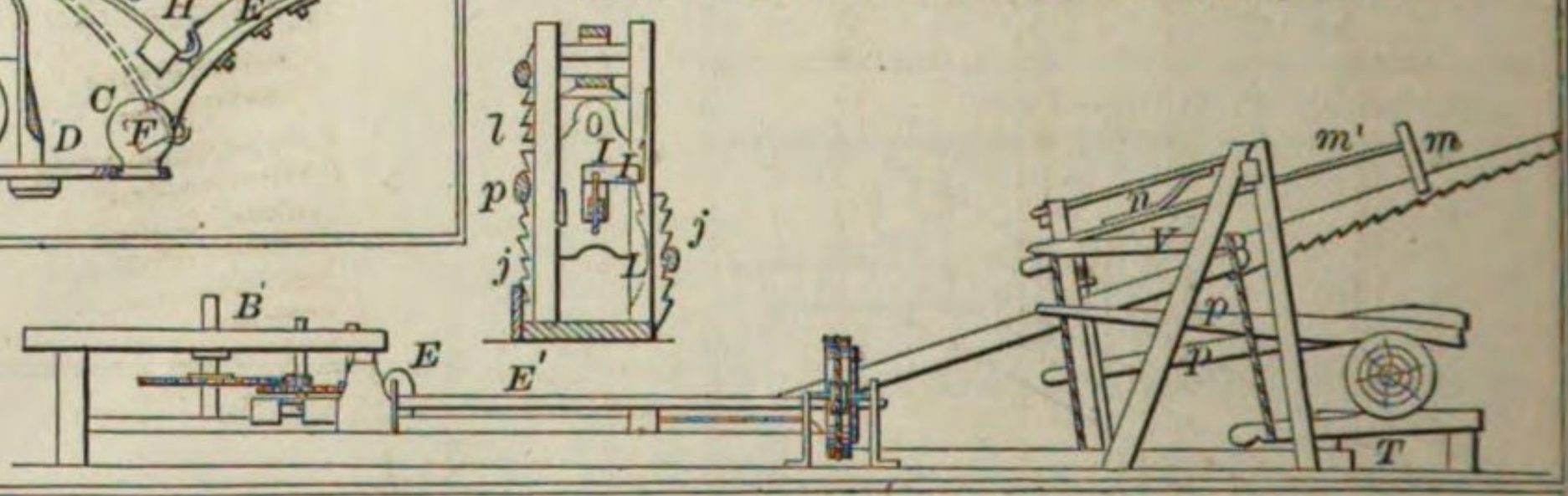
60300—A. Wells—*Cotton Seed Cleaner.*



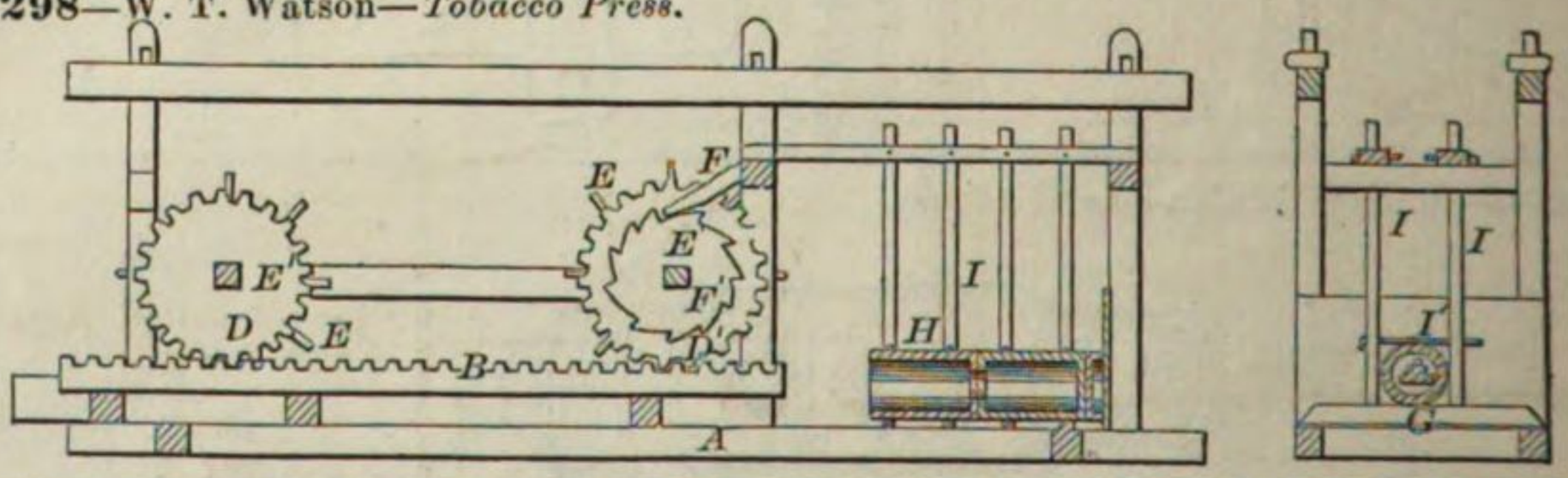
60296—S. H. Ward—*Attaching Thills to Carriages.*



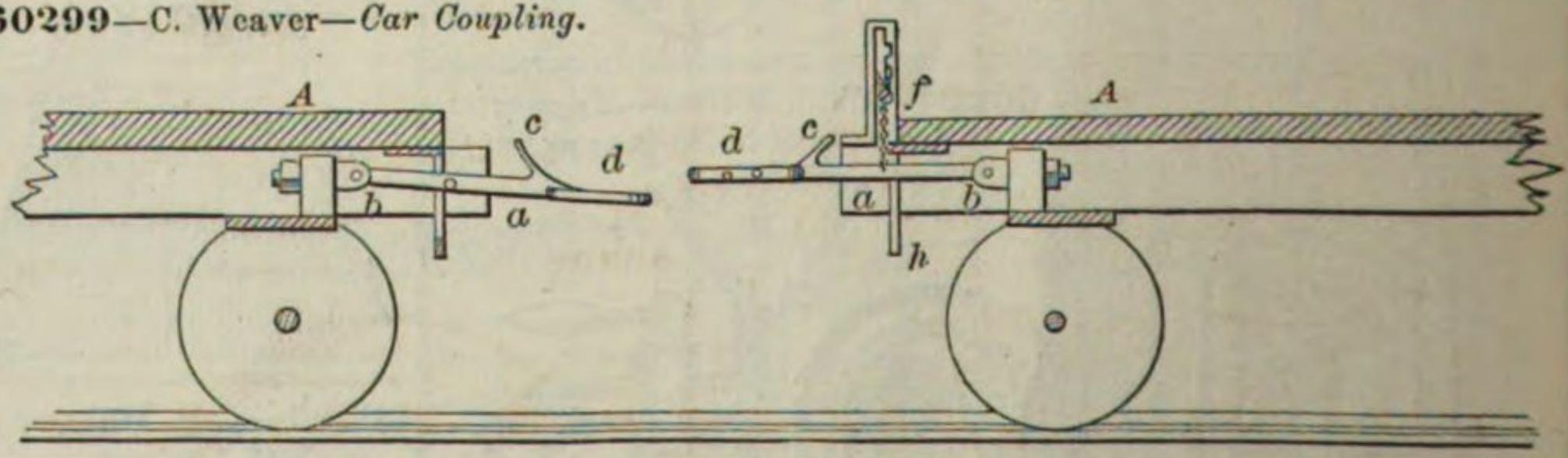
60297—A. E. & J. V. Warner—*Sawing Machine.*



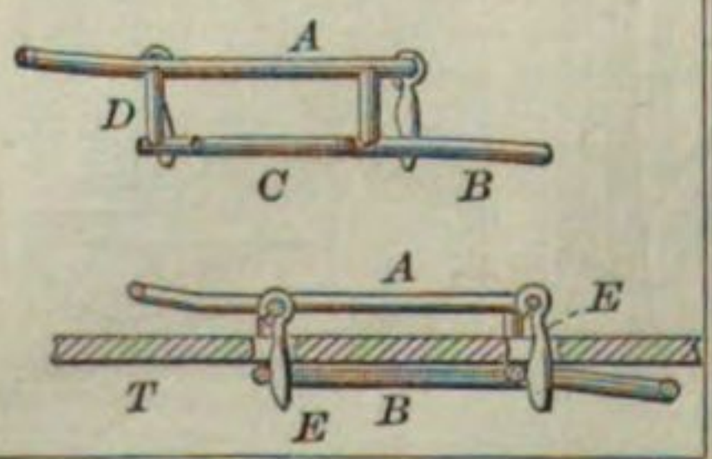
60298—W. T. Watson—*Tobacco Press.*



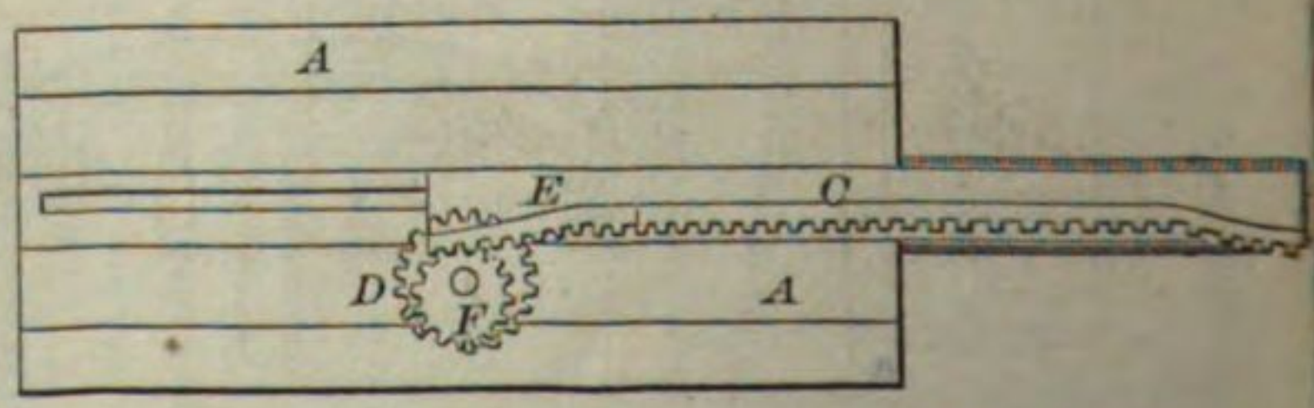
60299—C. Weaver—*Car Coupling.*



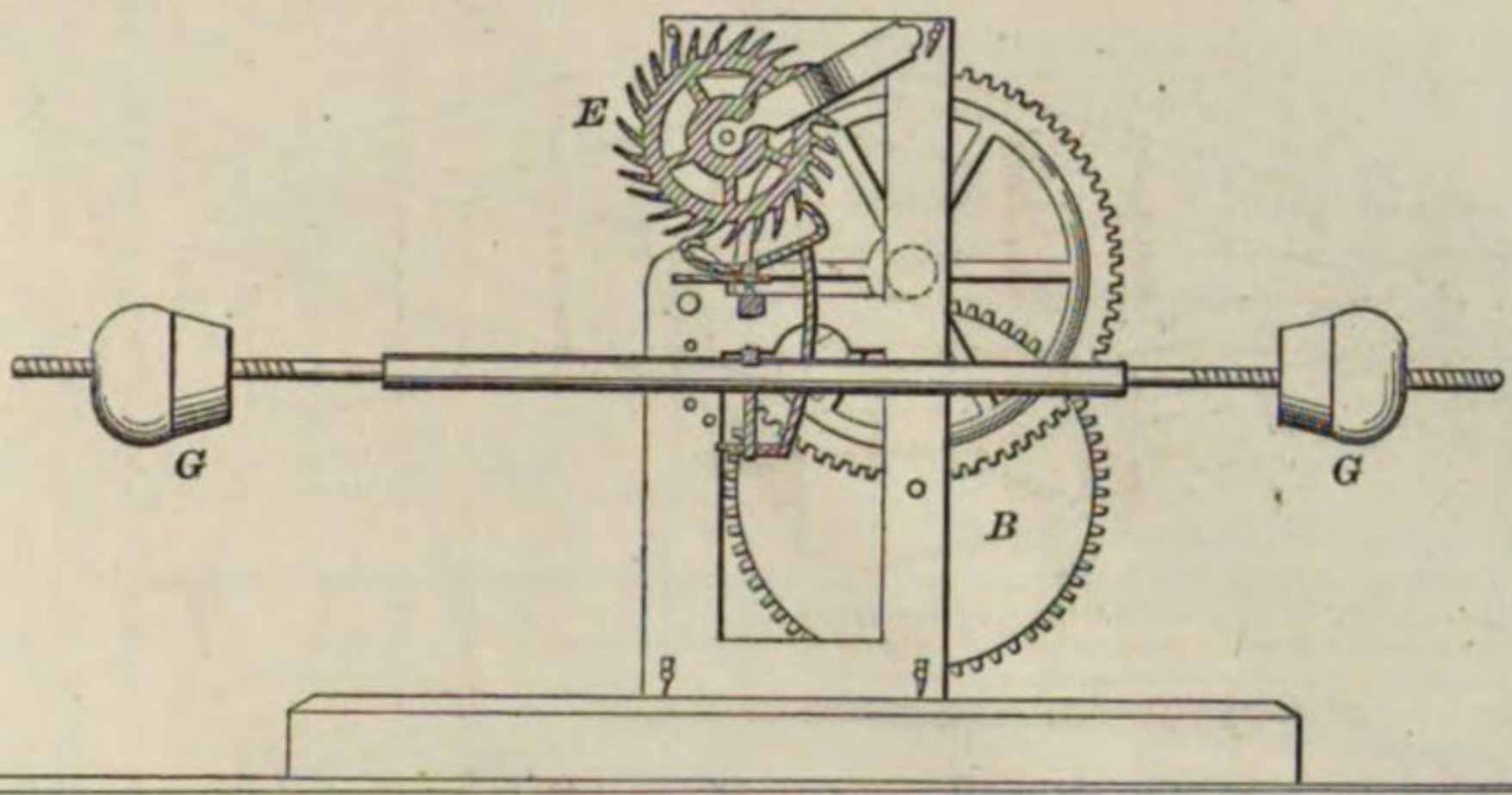
60302—W. Welsh—*Buckle.*



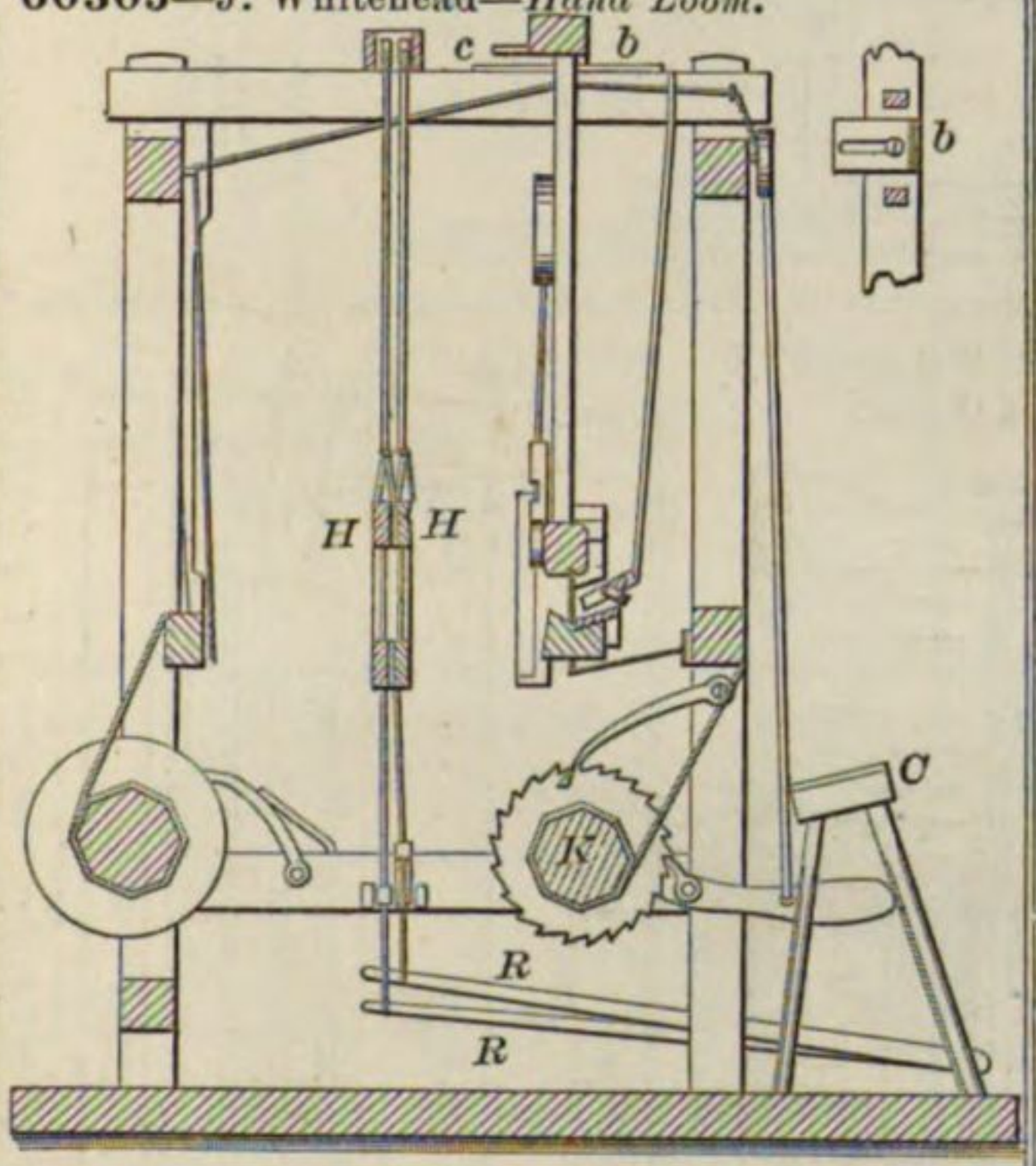
60301—C. Wells—*Rack Motion for Hand Presses.*



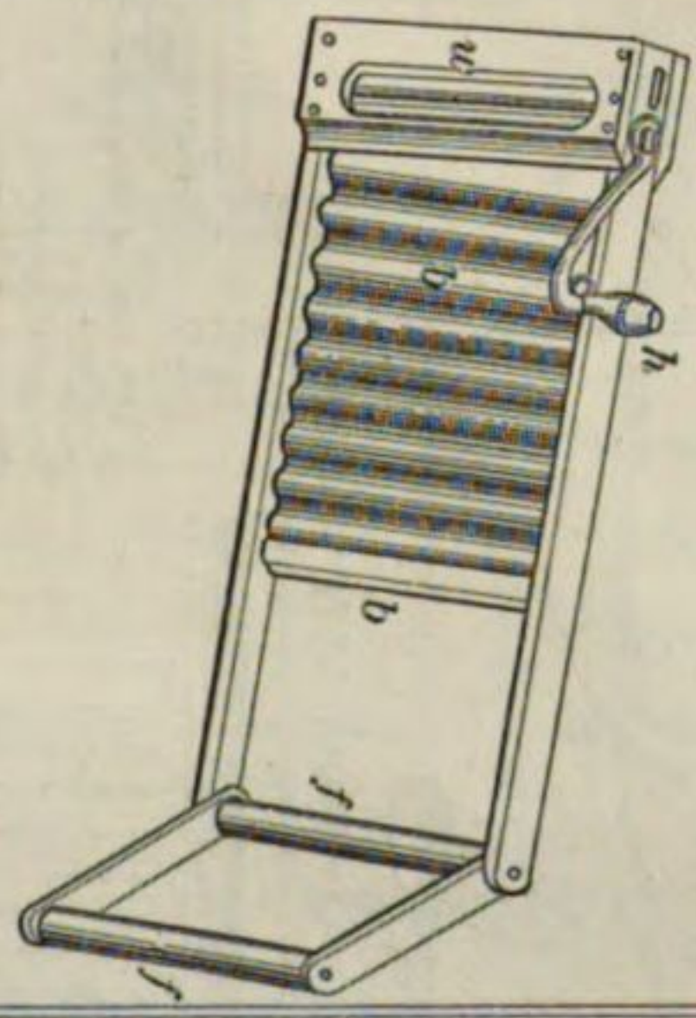
60303—W. D. Whalen—*Pendulum.*



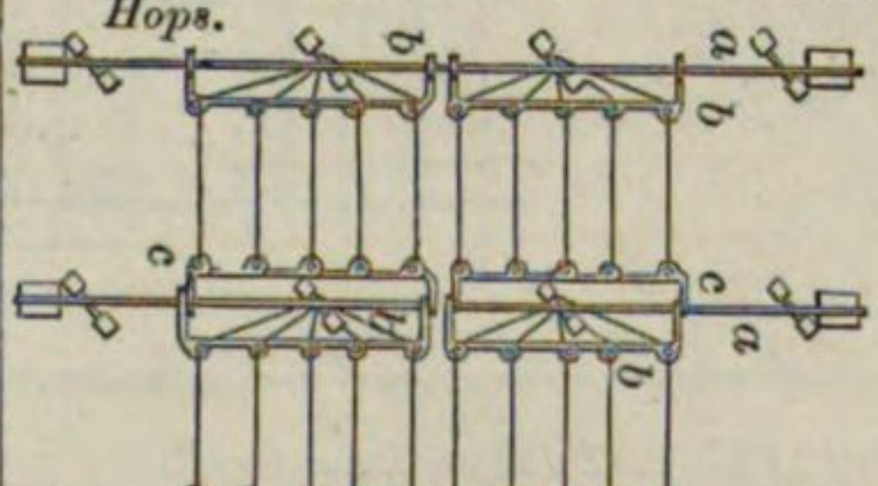
60305—J. Whitehead—*Hand Loom.*



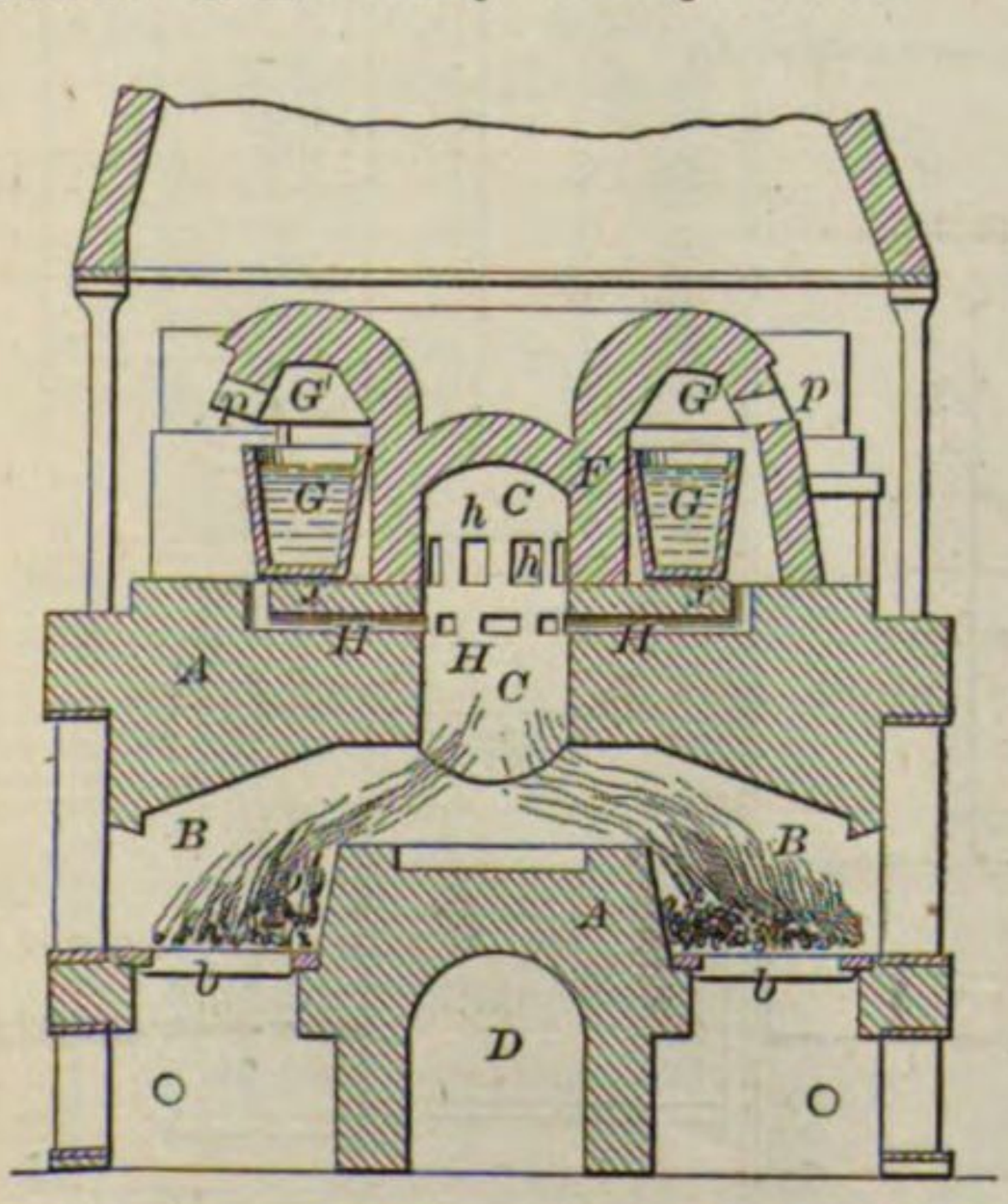
60304—J. Wheeler—*Wash Board and Wringer.*



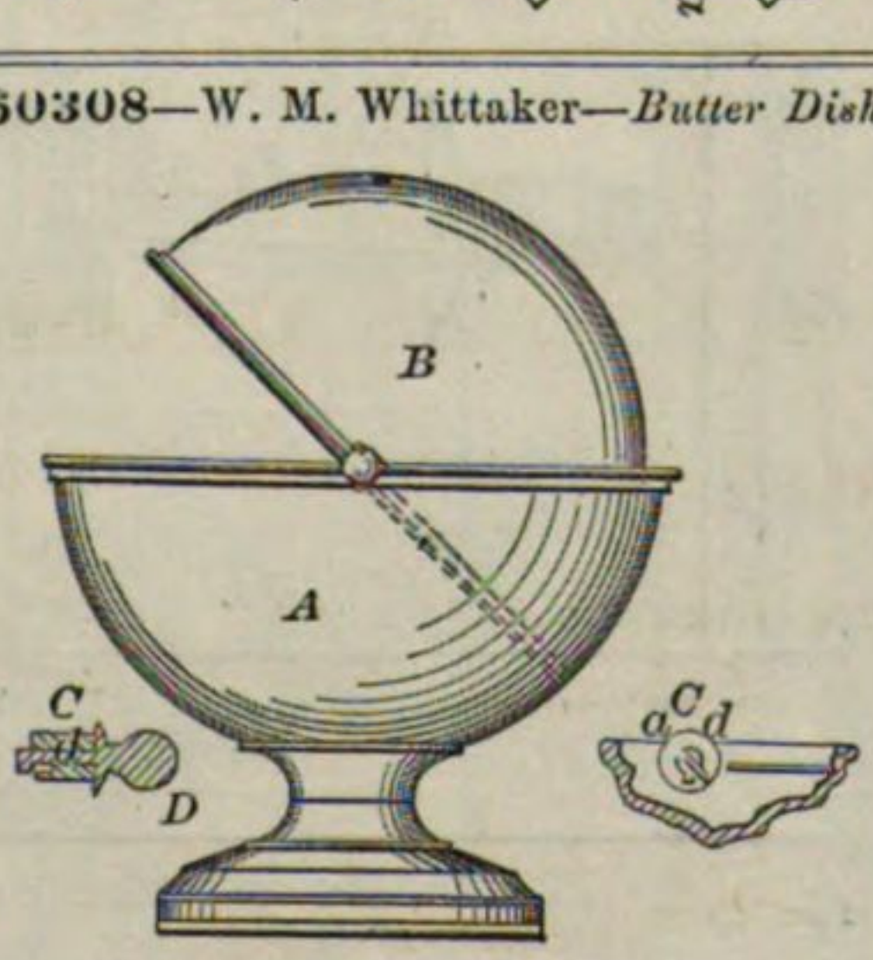
60306—L. H. Whitney—*For Training Hops.*



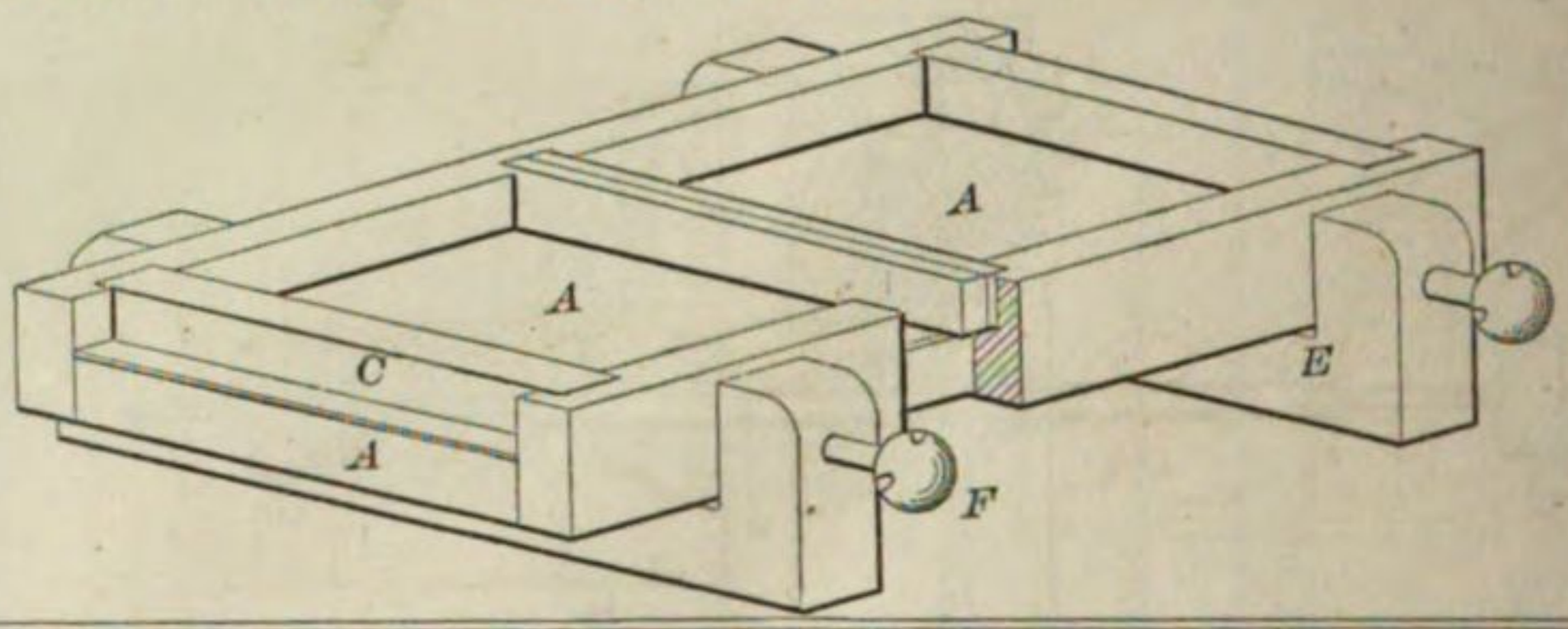
60307—S. A. Whitney—*Melting Furnace.*



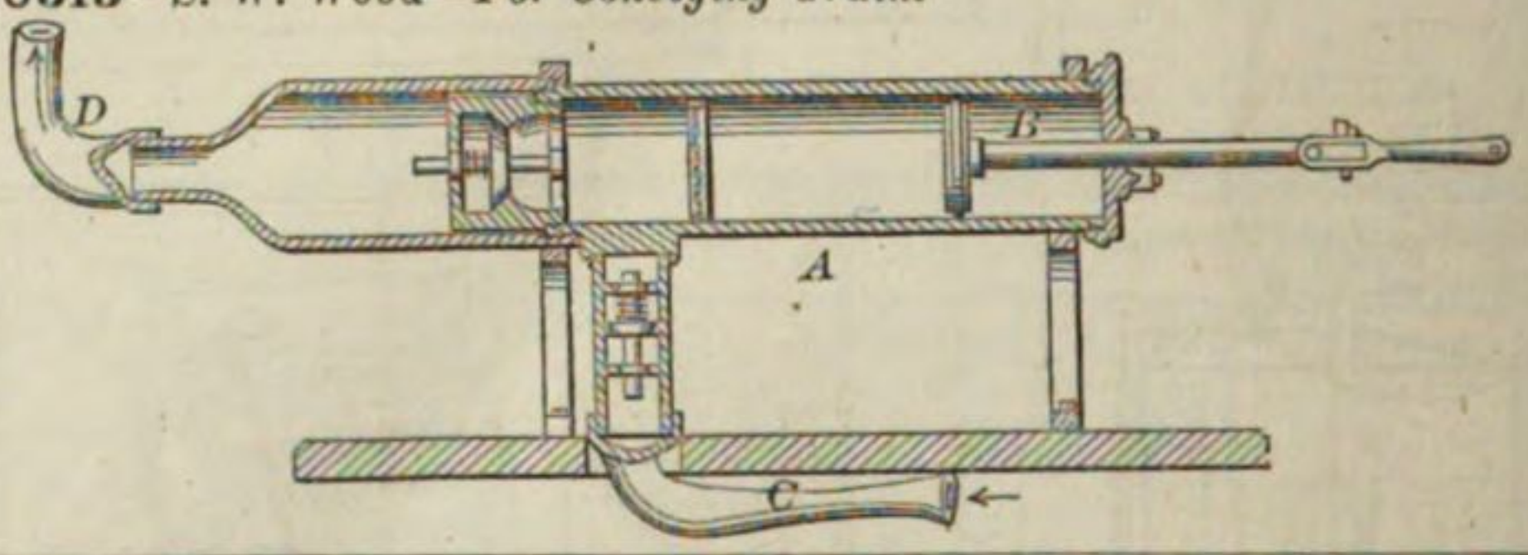
60308—W. M. Whittaker—*Butter Dish.*



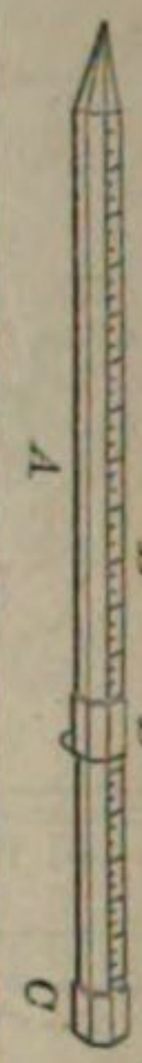
60310—J. J. Wiggin—*Mould for Plastic Material.*



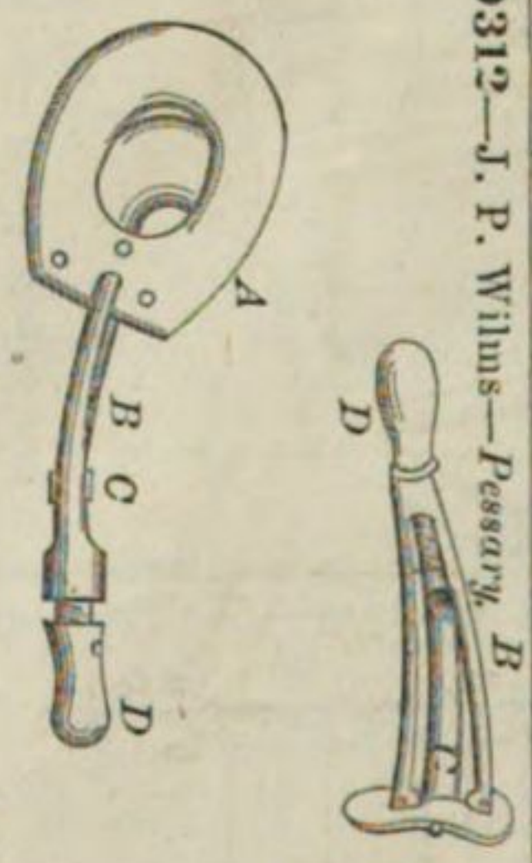
60313—S. W. Wood—*For Conveying Grain.*



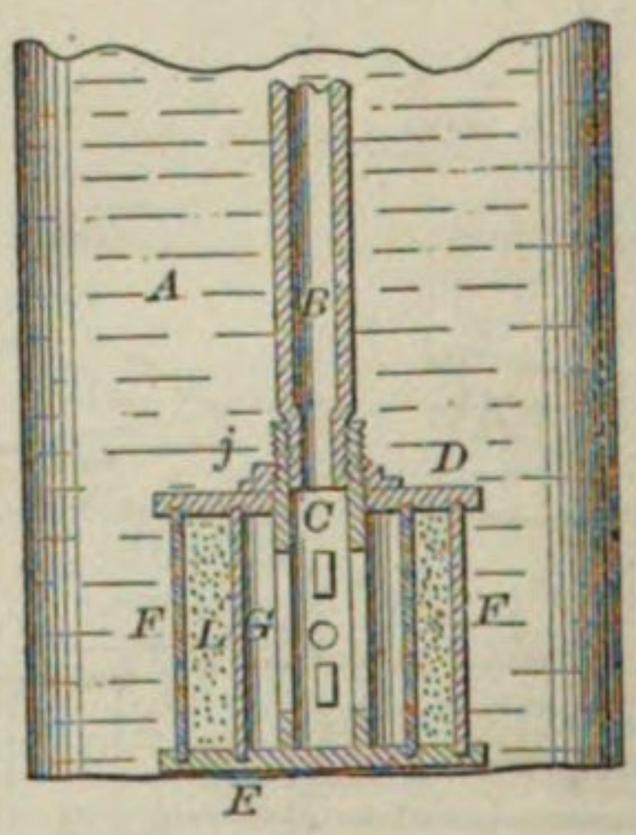
60315—E. Worcester—*Scale Pencil.*



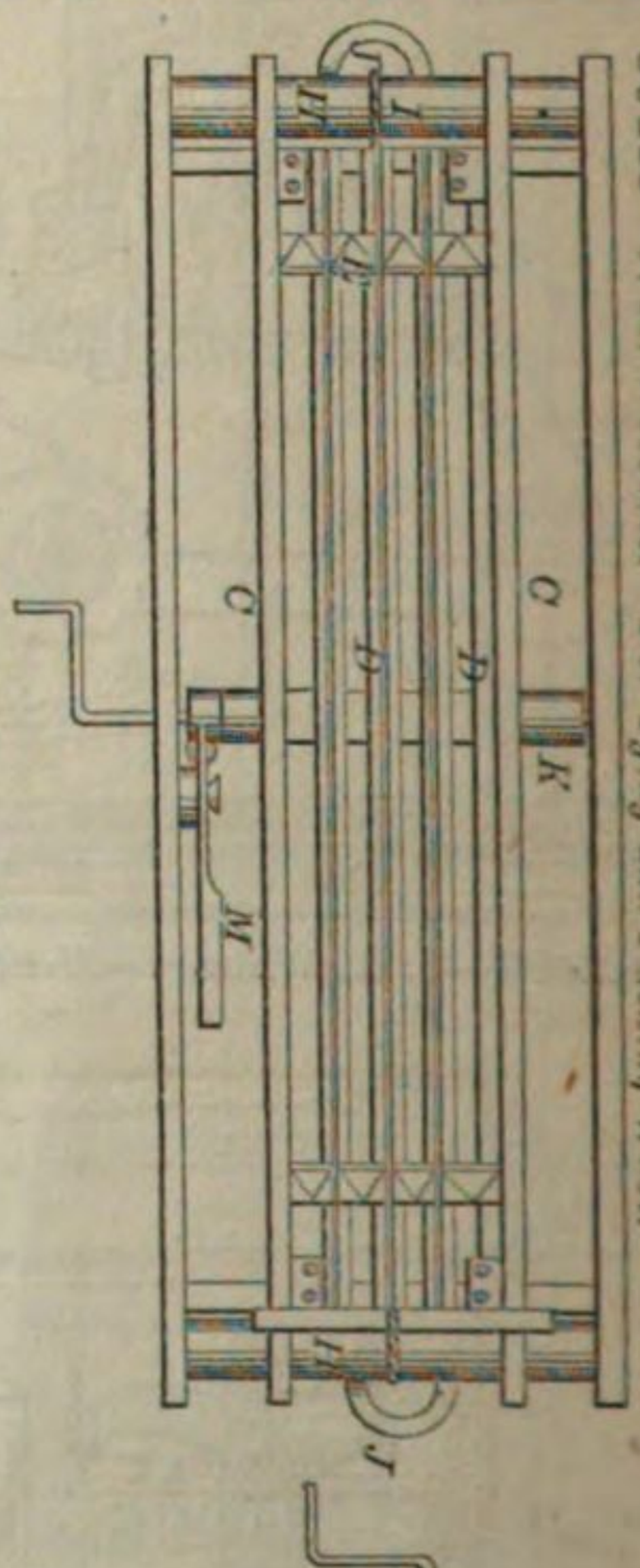
60312—J. P. Wilms—*Pessary.*



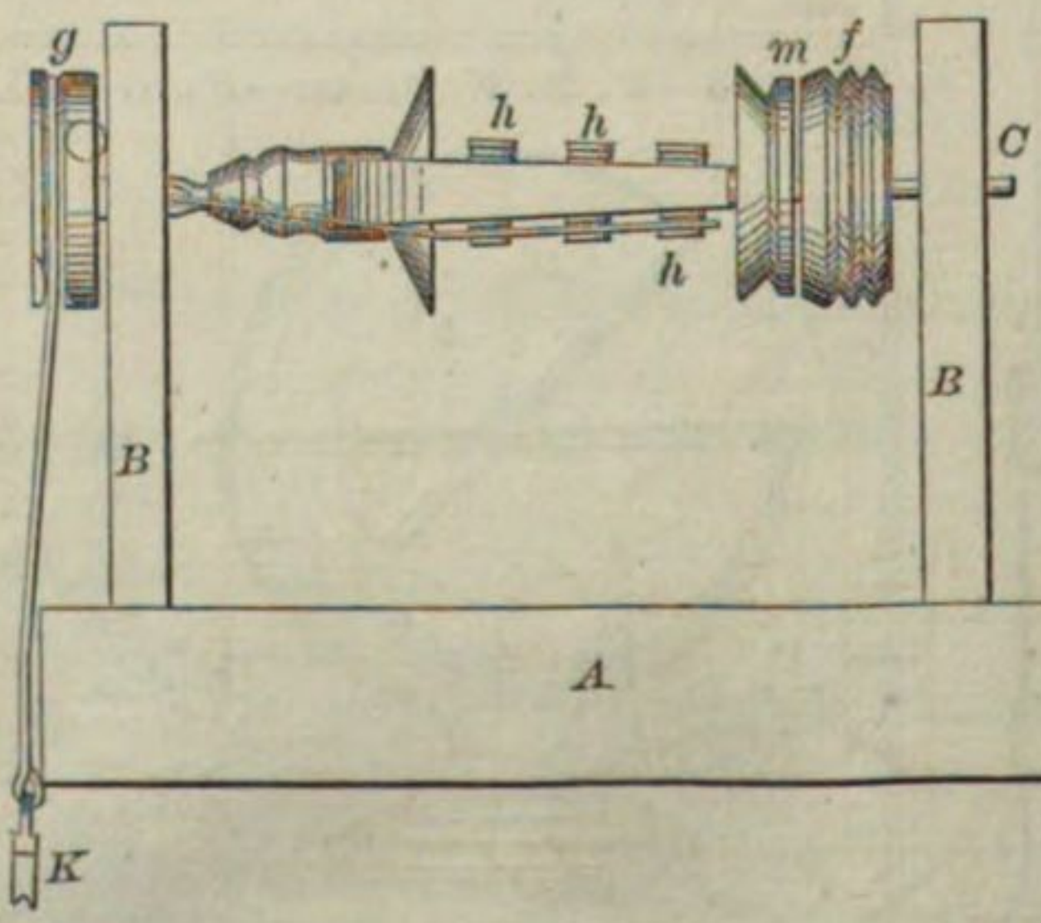
60311—W. H. Wiley—*Well and Cistern Filter.*

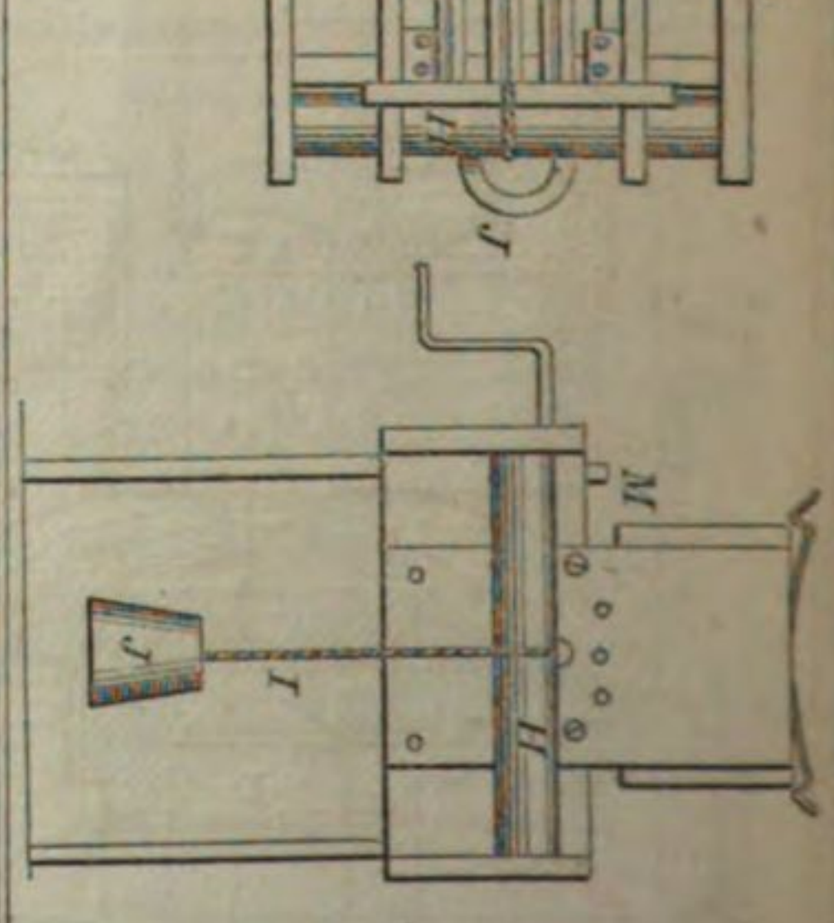


60316—J. M. Worcester—*For Tying and Packing Wool.*

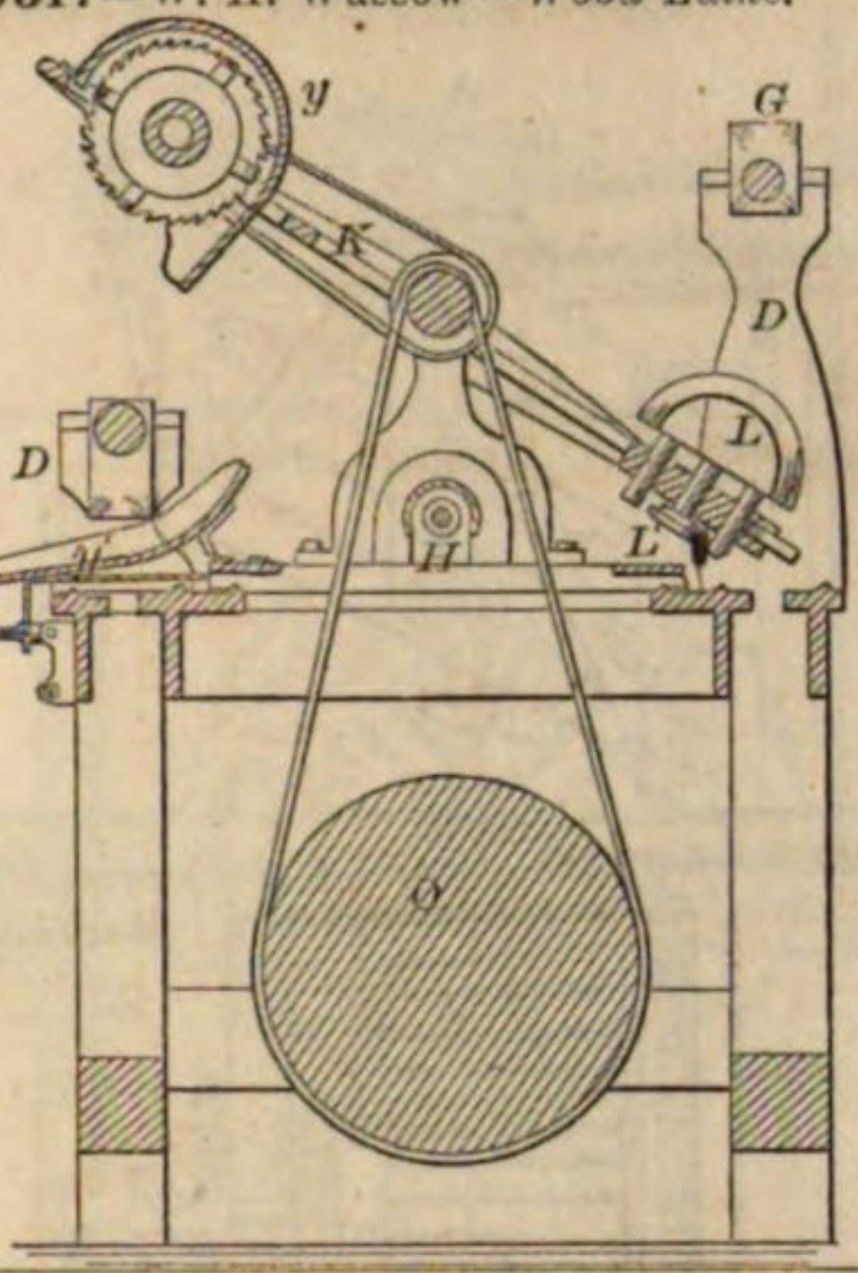


60314—T. Woods—*Stone Drill.*

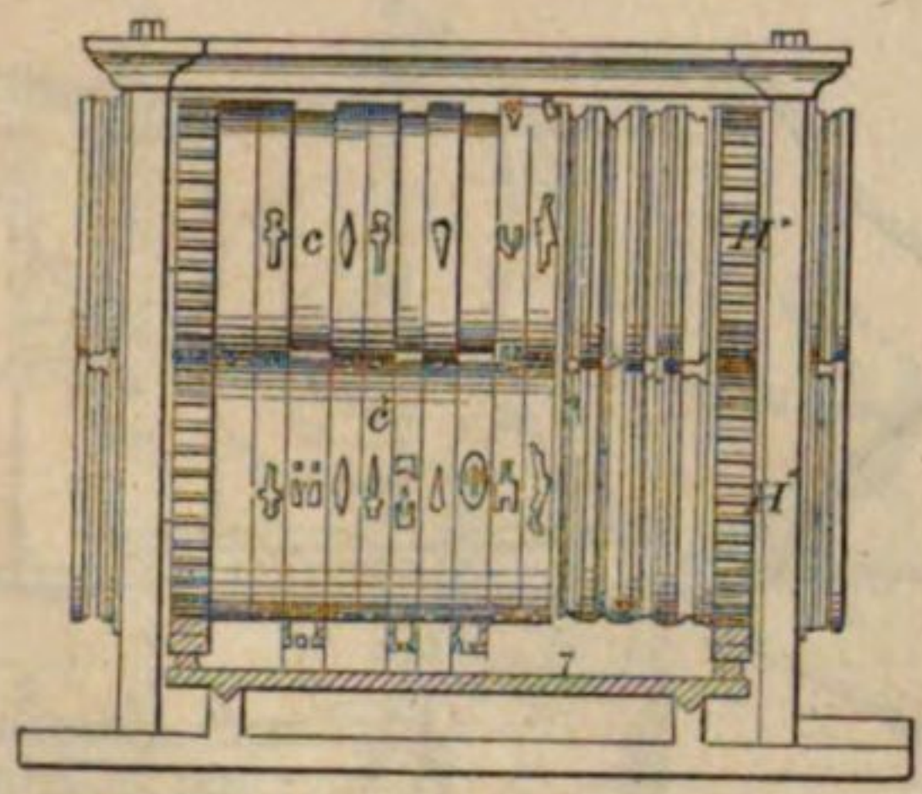


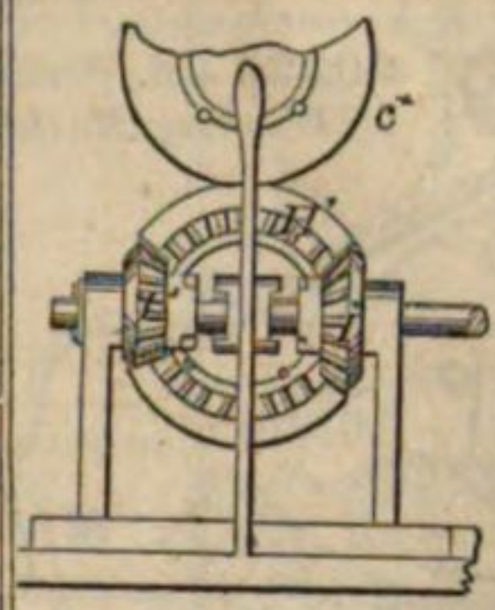


60317—W. H. Wussow—*Wood Lathe.*

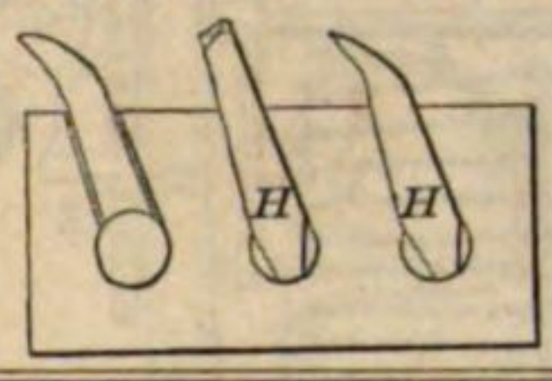


60322—H. Baines—*For Rolling Metal.*

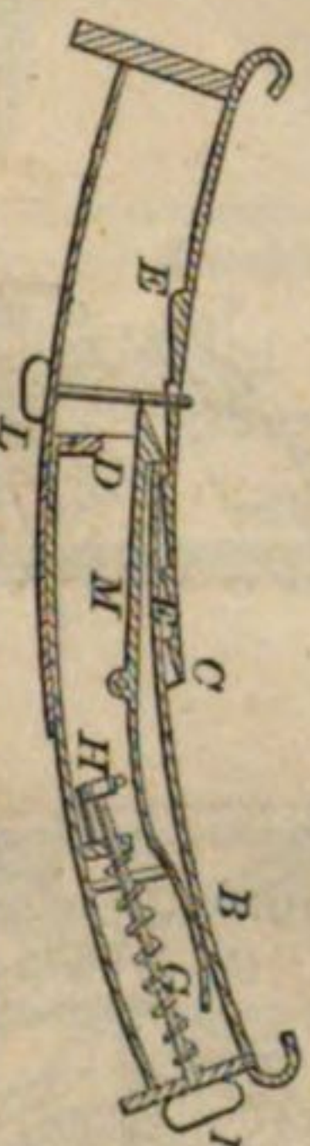




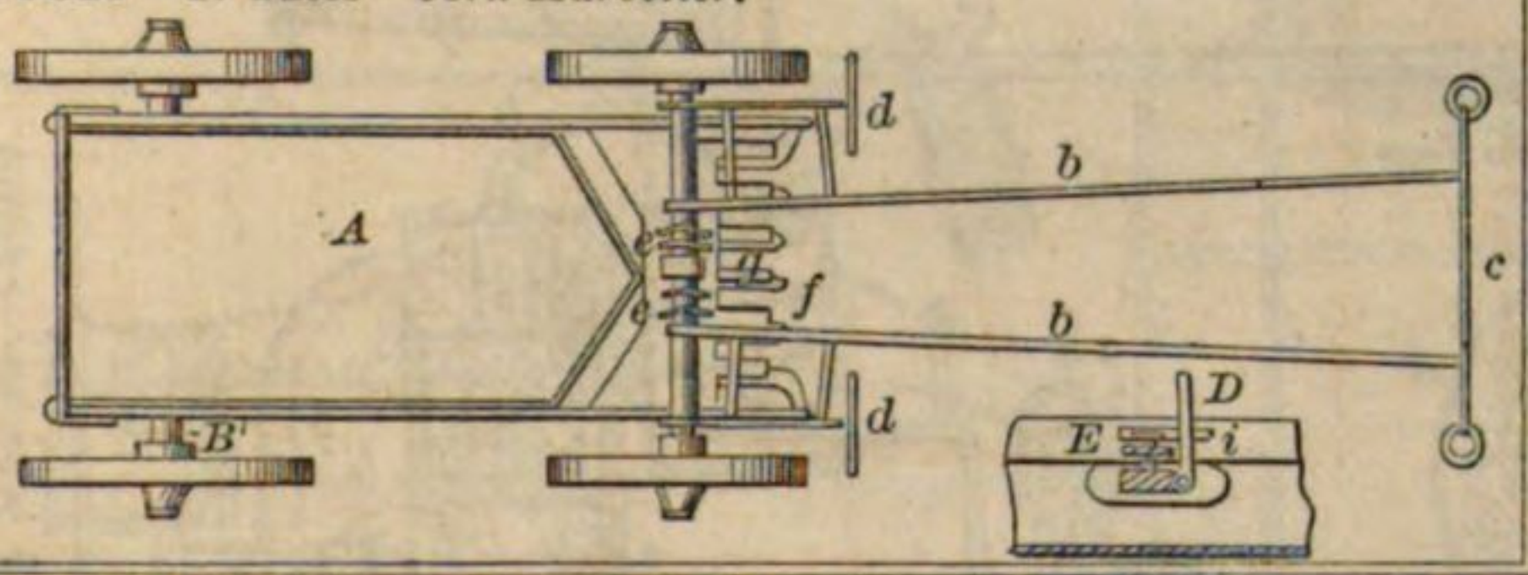
60321—J. E. Atwood—*Saw.*



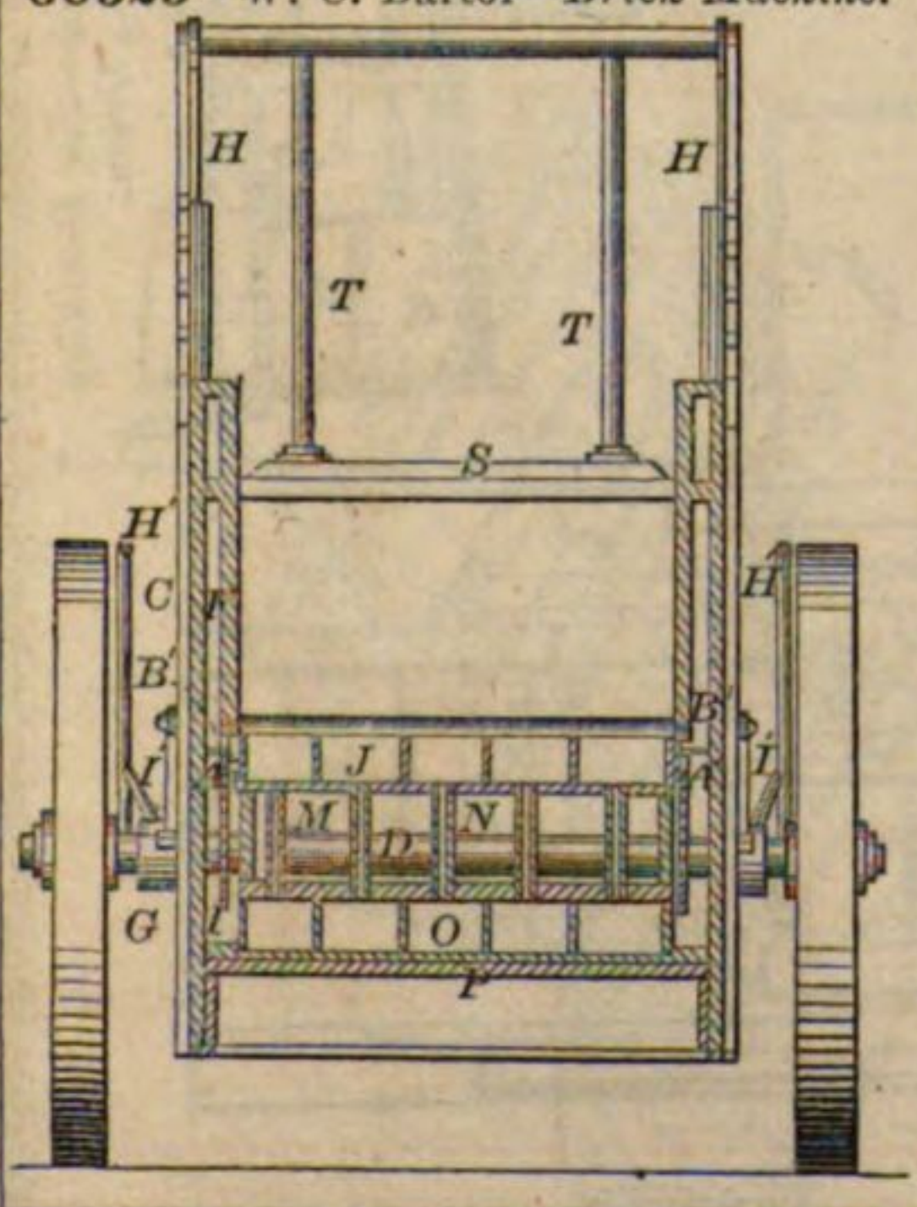
60319—W. J. Alexander—*Hame Fastening.*



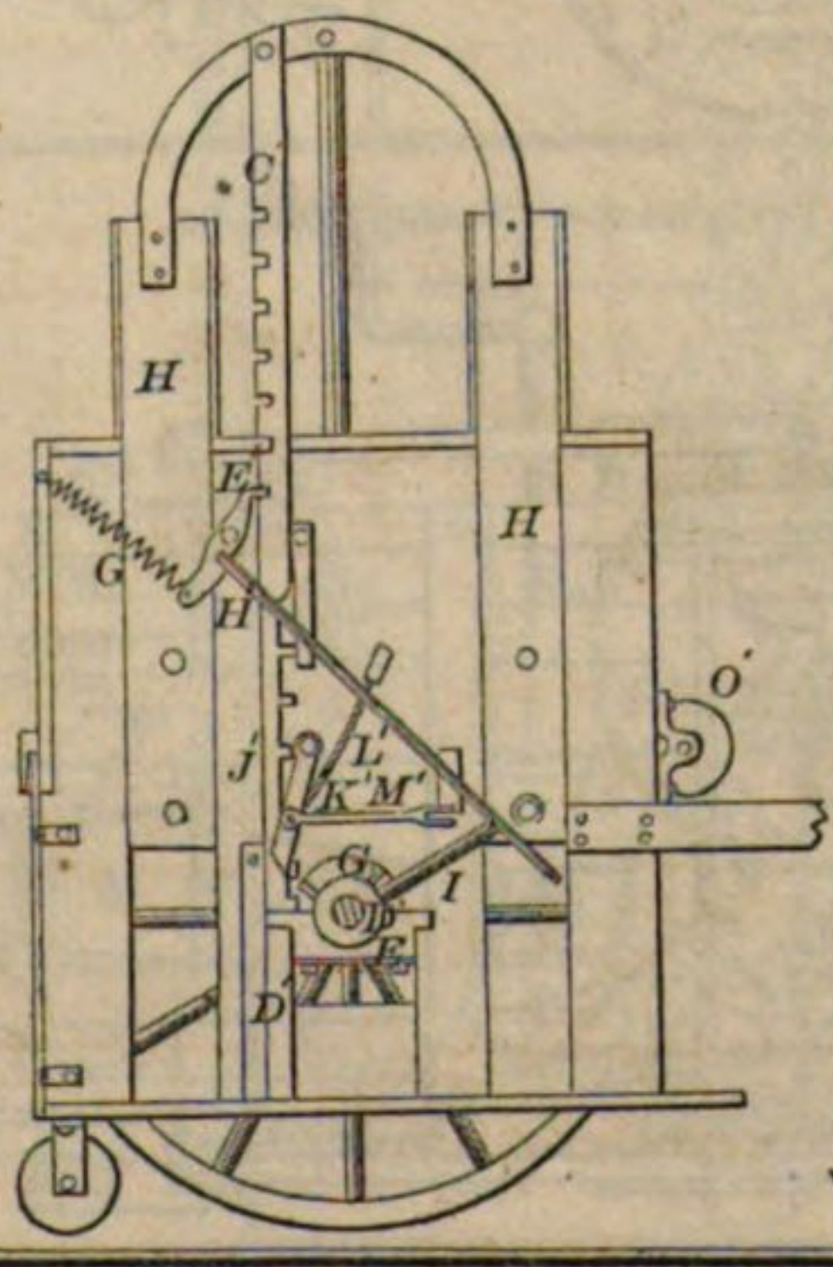
60318—T. Yates—*Corn Harvester.*



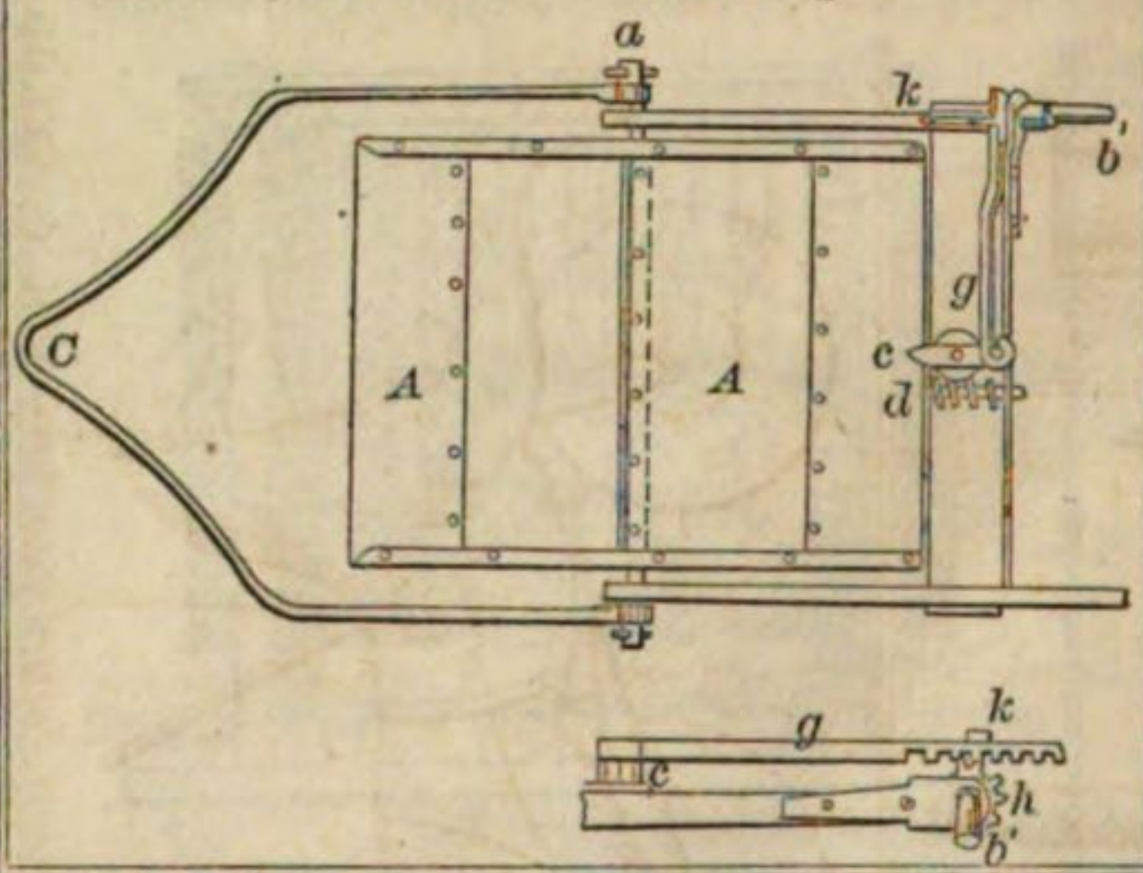
60323—W. C. Bartol—*Brick Machine.*



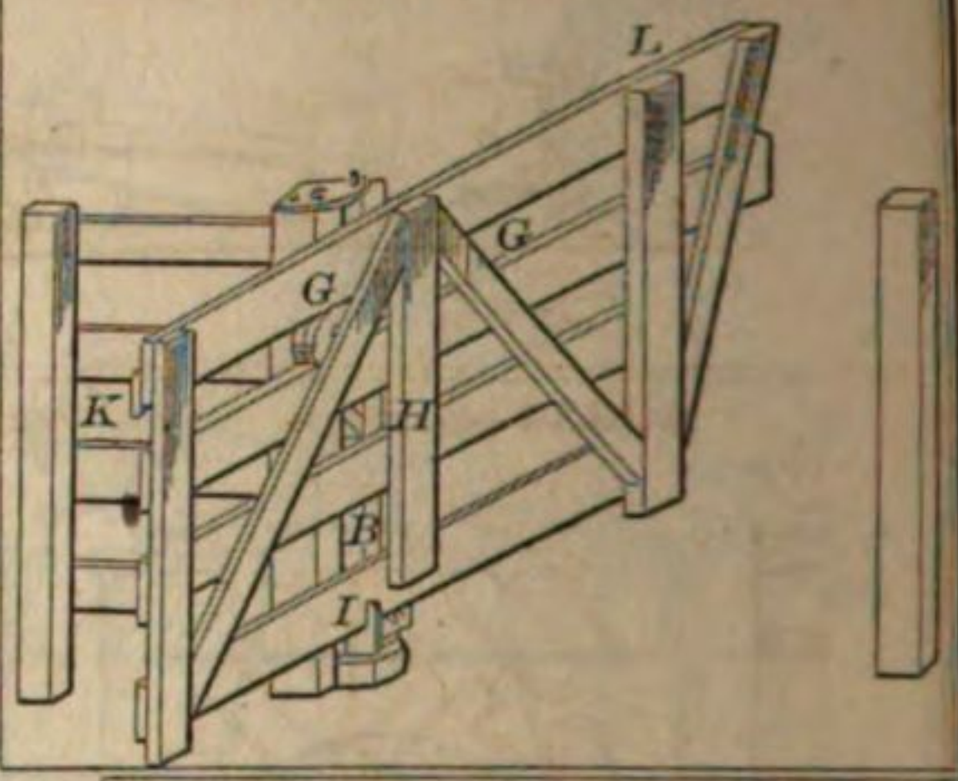
60324—S. Baxendale—*Batting and Wadding.*



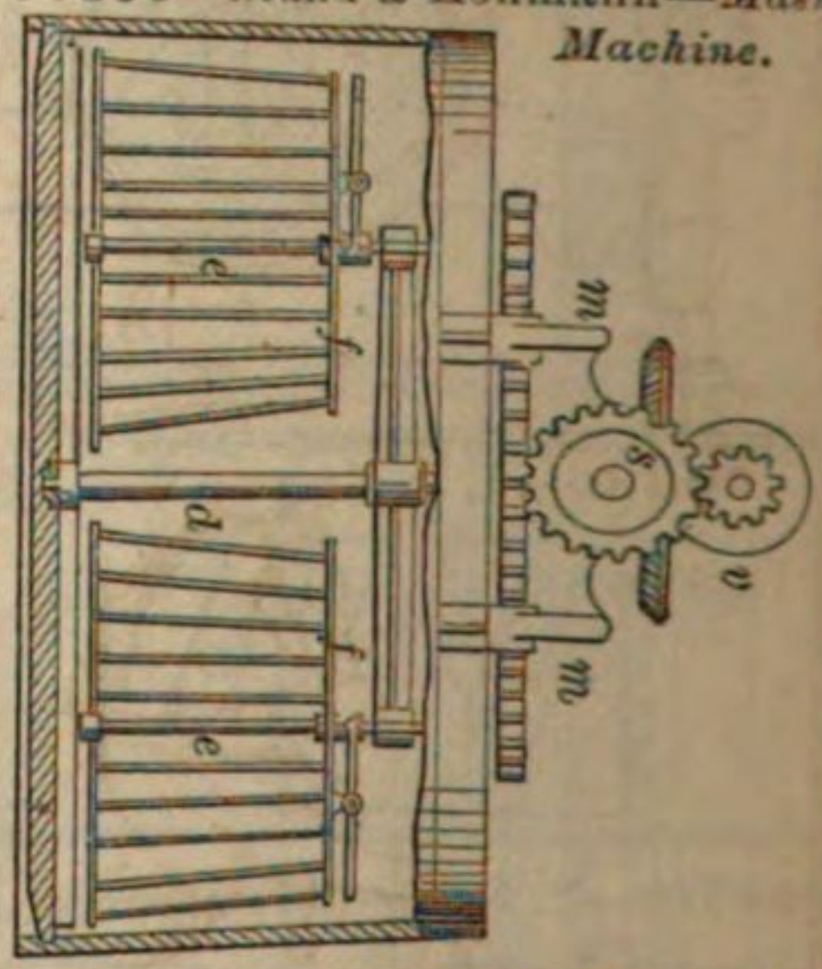
60325—Beall & Grim—*Road Scraper.*



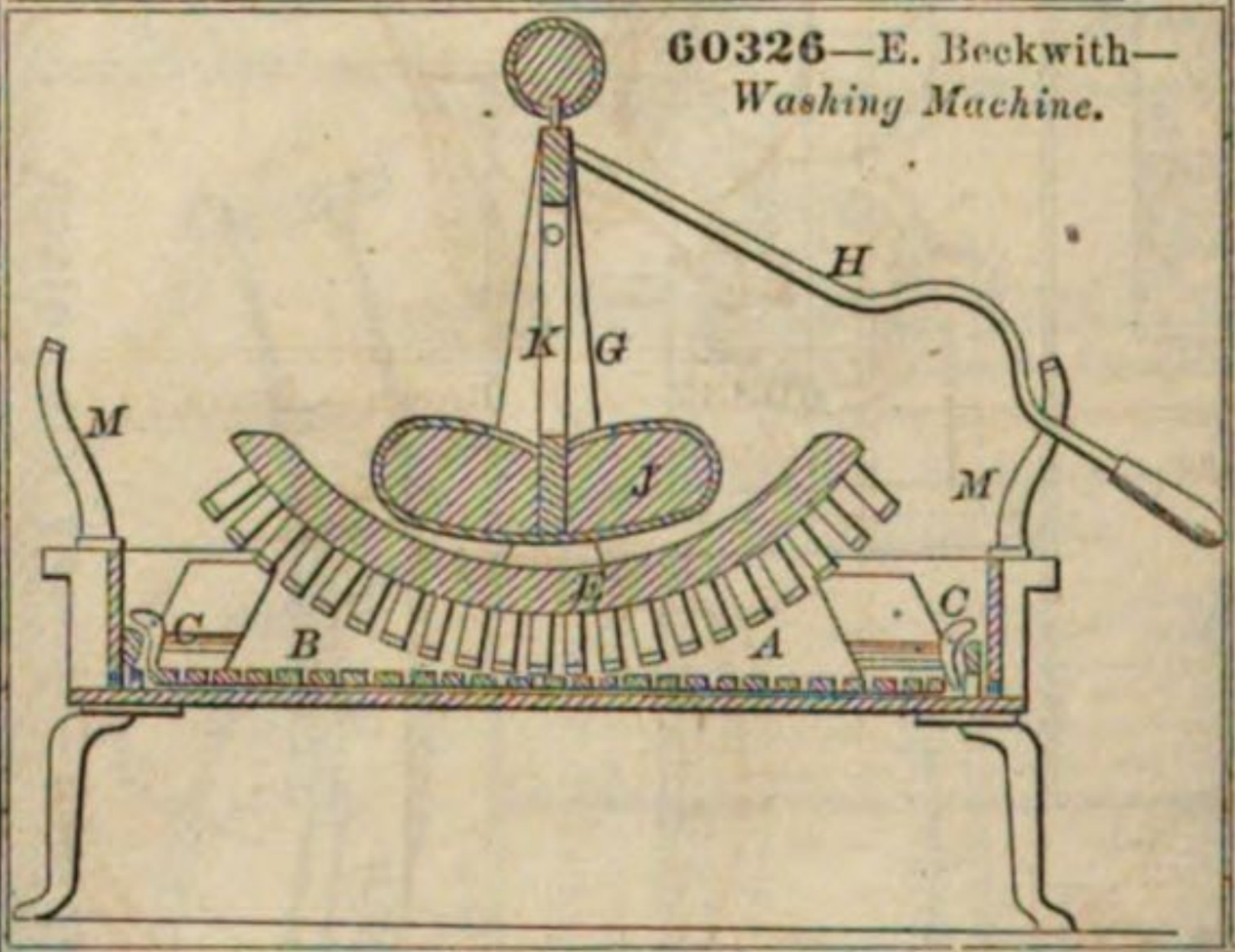
60331—W. W. Bratt—*Fence Gate.*



60330—Brand & Hoffmann—*Mash Machine.*

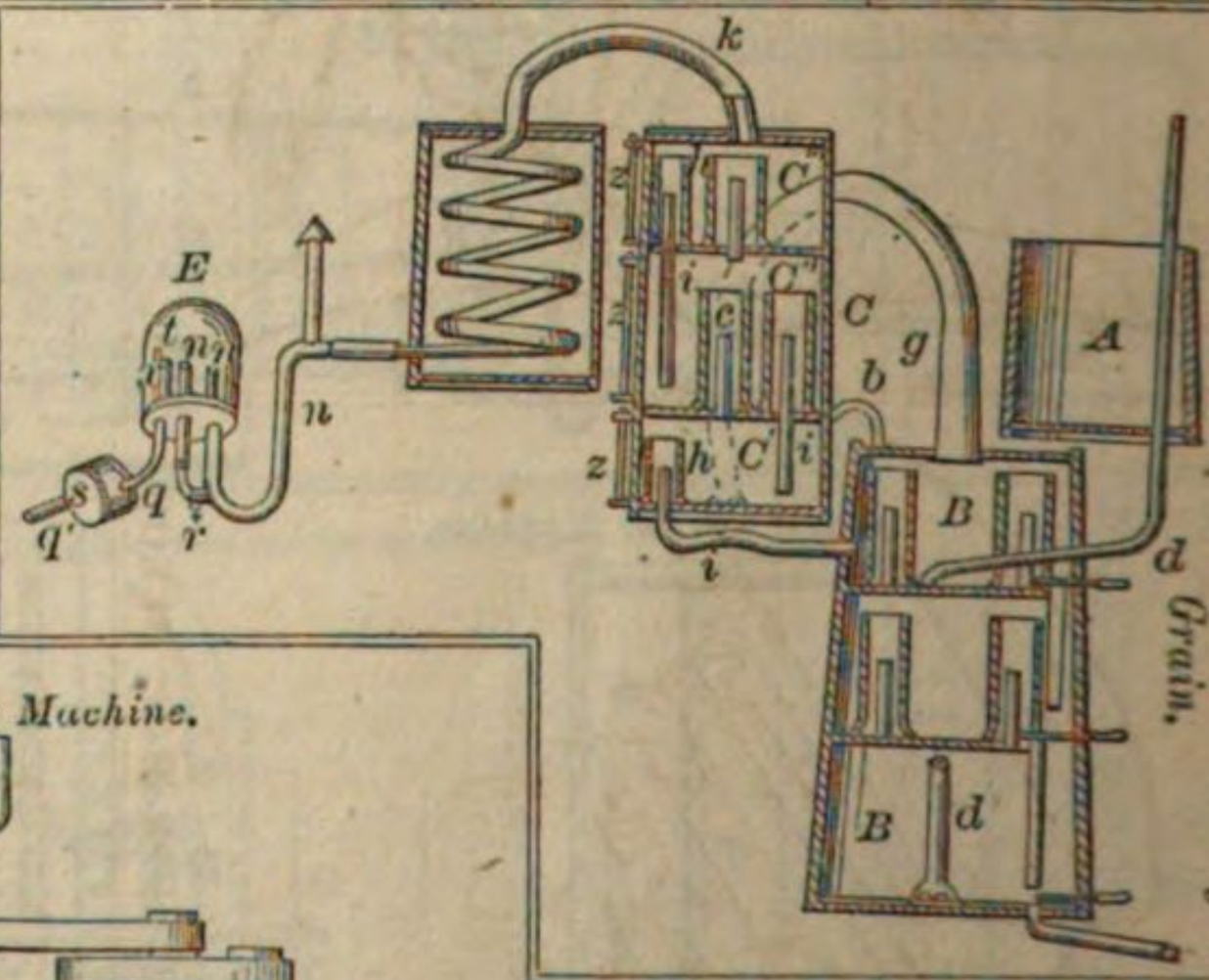


60326—E. Beckwith—*Washing Machine.*

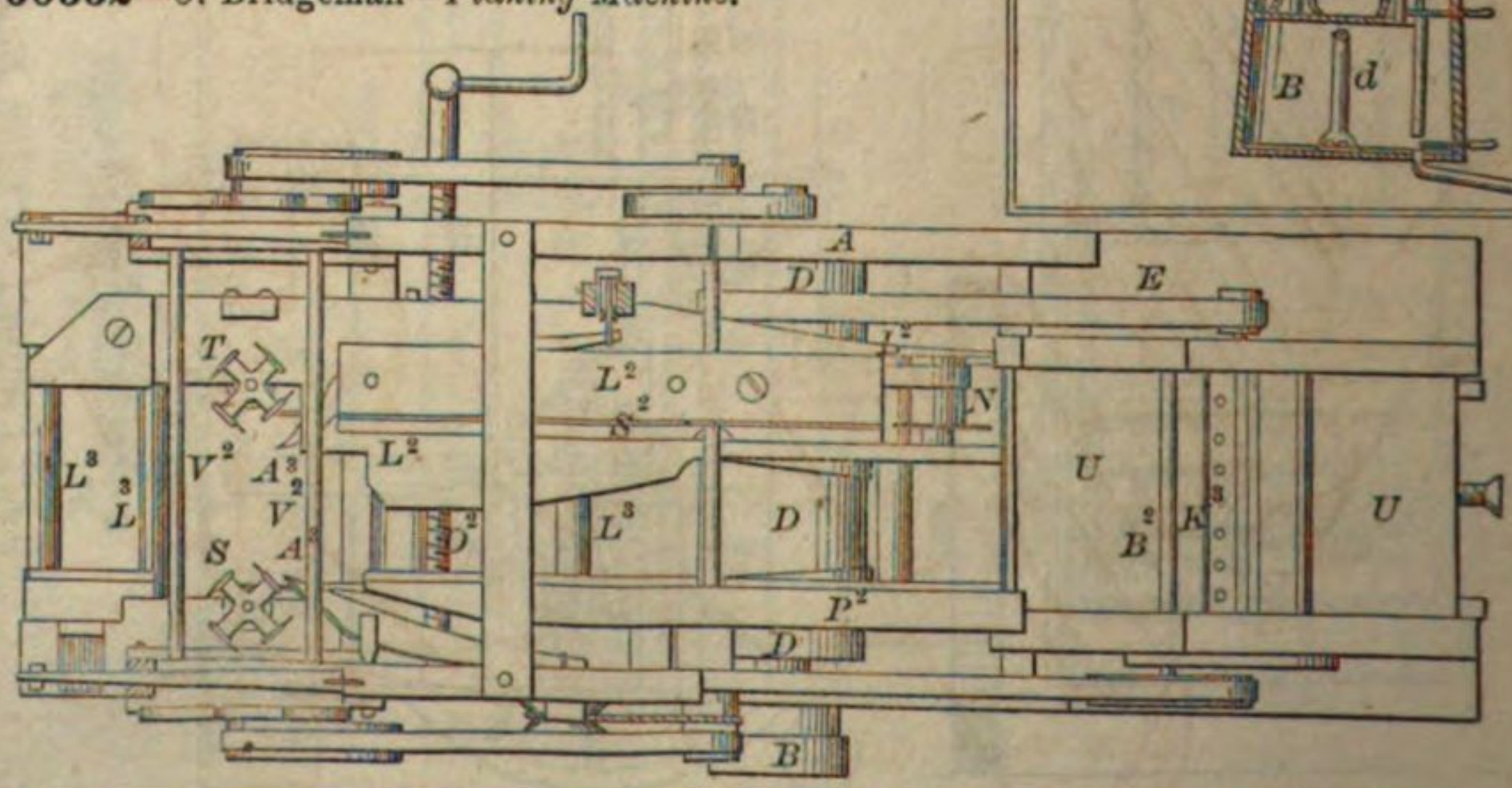


60329—J. Bird—*Cast Iron Chain Pulley.*

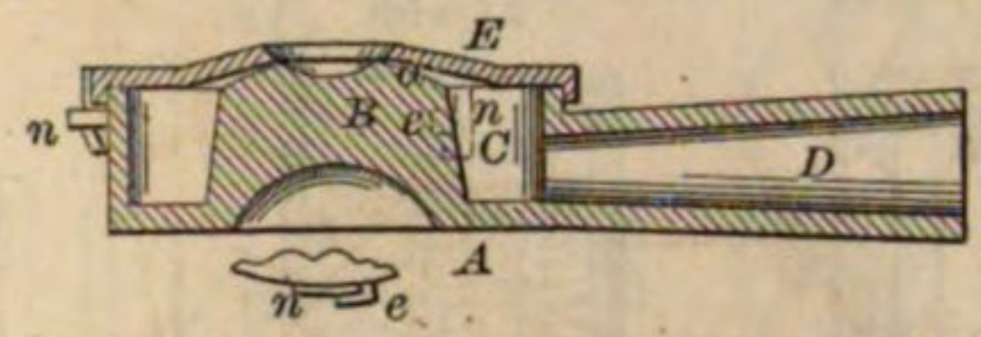
60327—Beebe & Lloyd—*For Distilling Grain.*



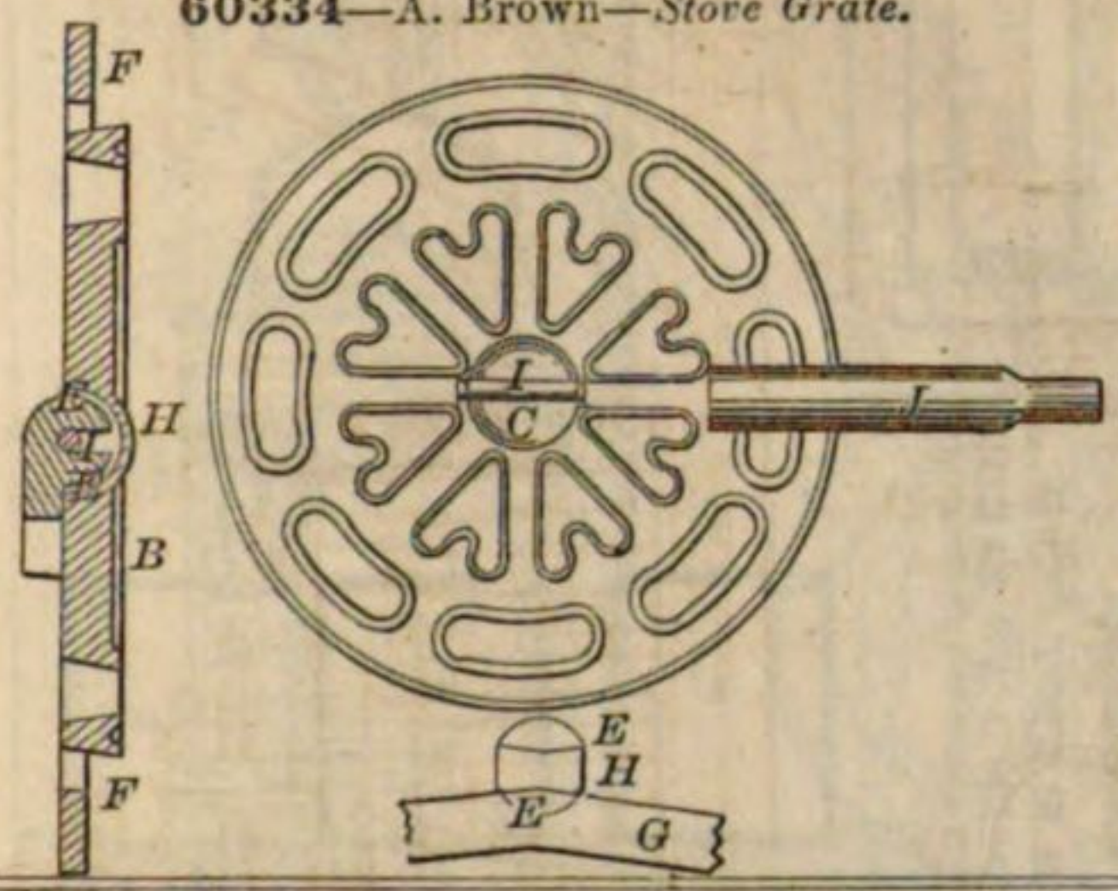
60332—O. Bridgeman—*Planing Machine.*



60333—T. E. C. Brinly—*Tuyere.*



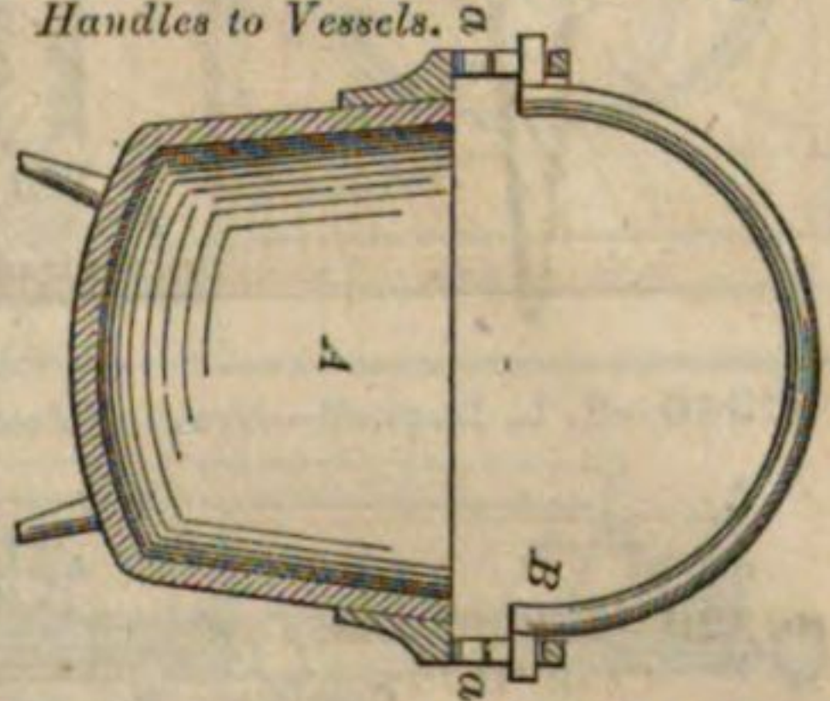
60334—A. Brown—*Store Grate.*



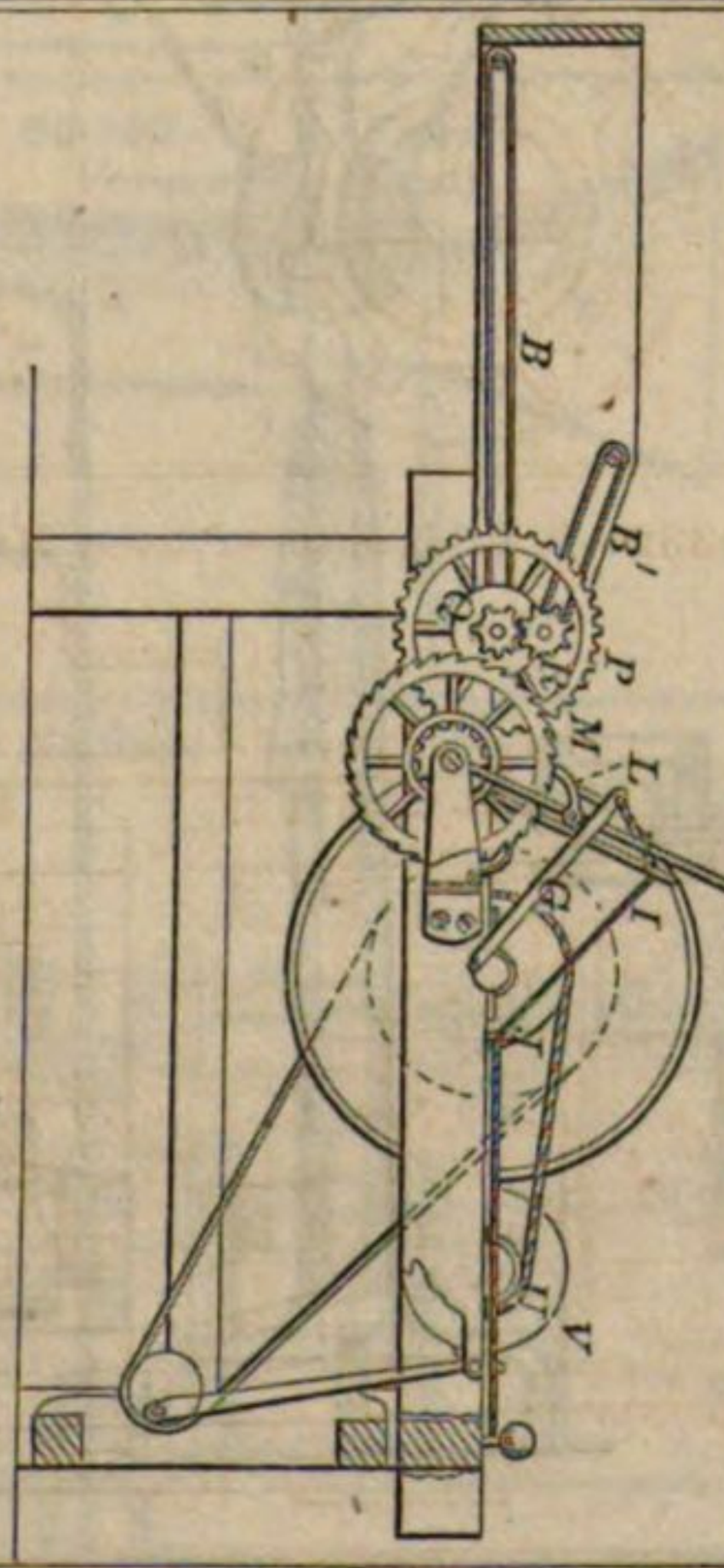
60335—J. H. Brown—*Propelling Horse.*

60336—J. H. Brown—*Spring Toy.*

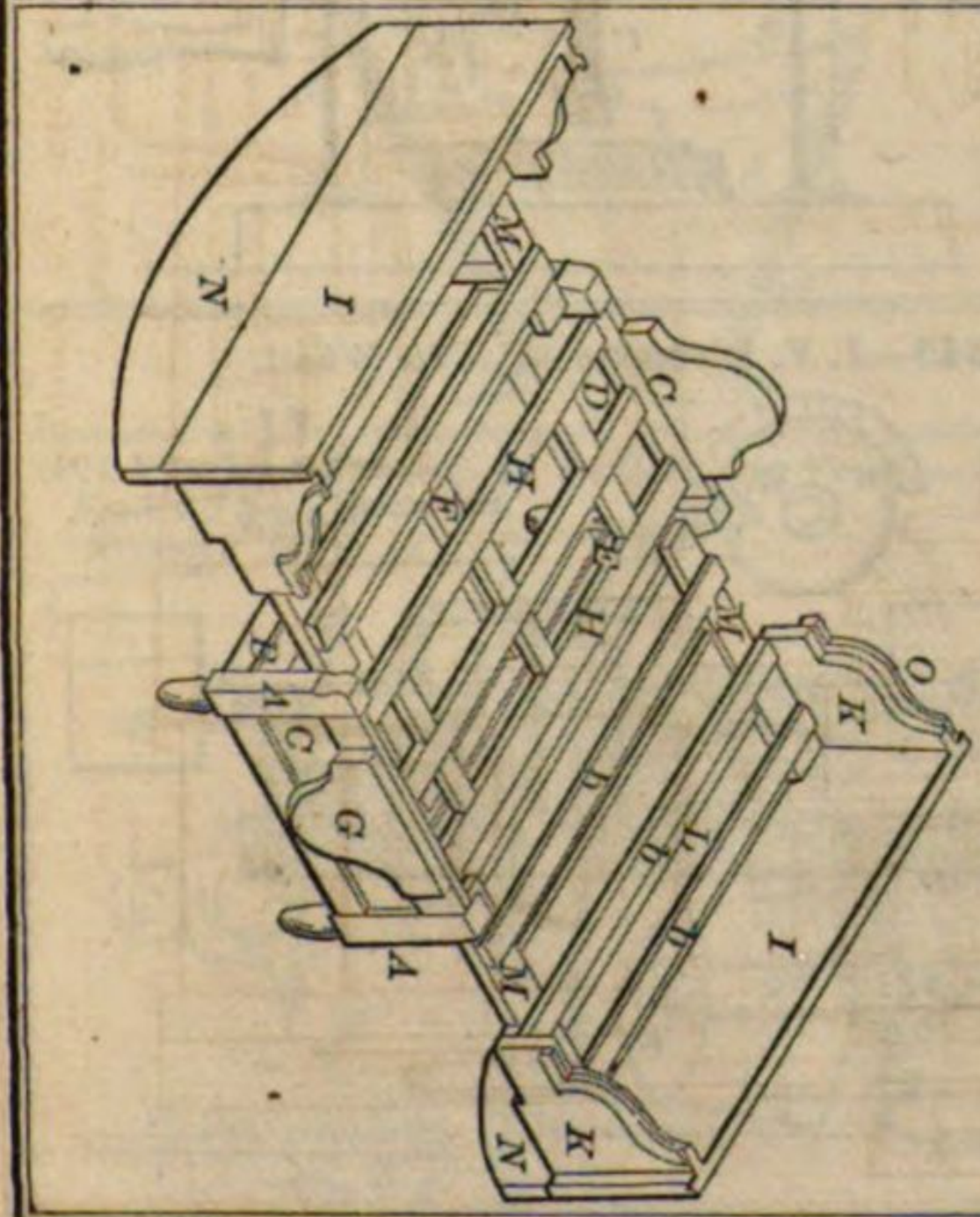
60337—J. H. Brown—*Attaching Handles to Vessels.*



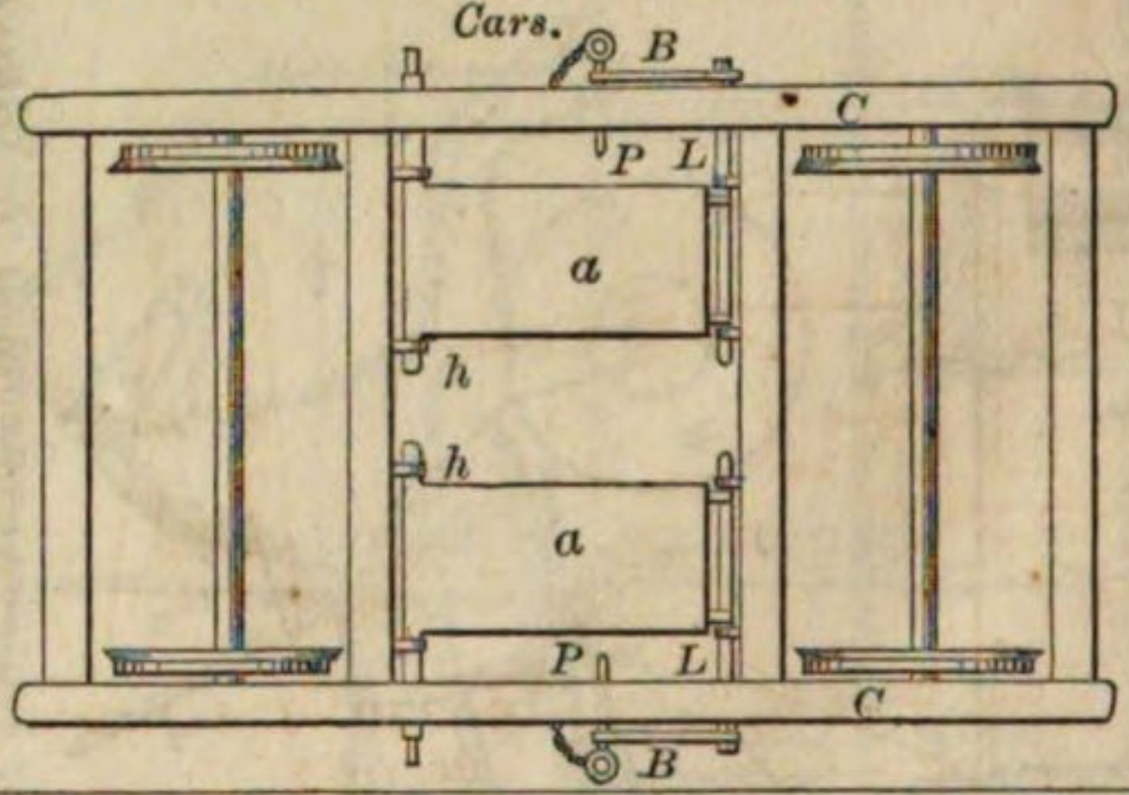
60338—G. Bruce—*Feeding Device for Carding Engines.*



60339—S. S. Burr—*Table and Bedstead.*

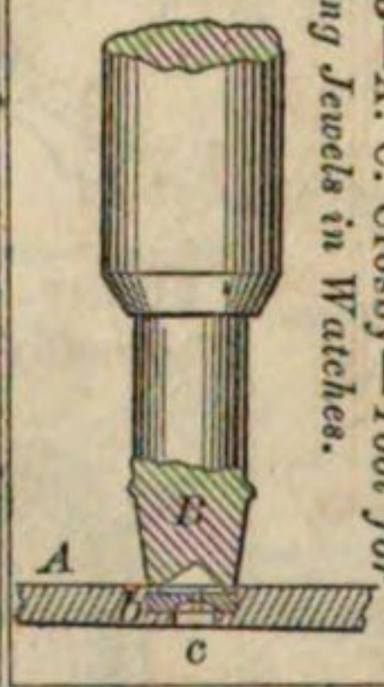


60340—W. Burt—*Fastening Drop Doors in Coal Cars.*

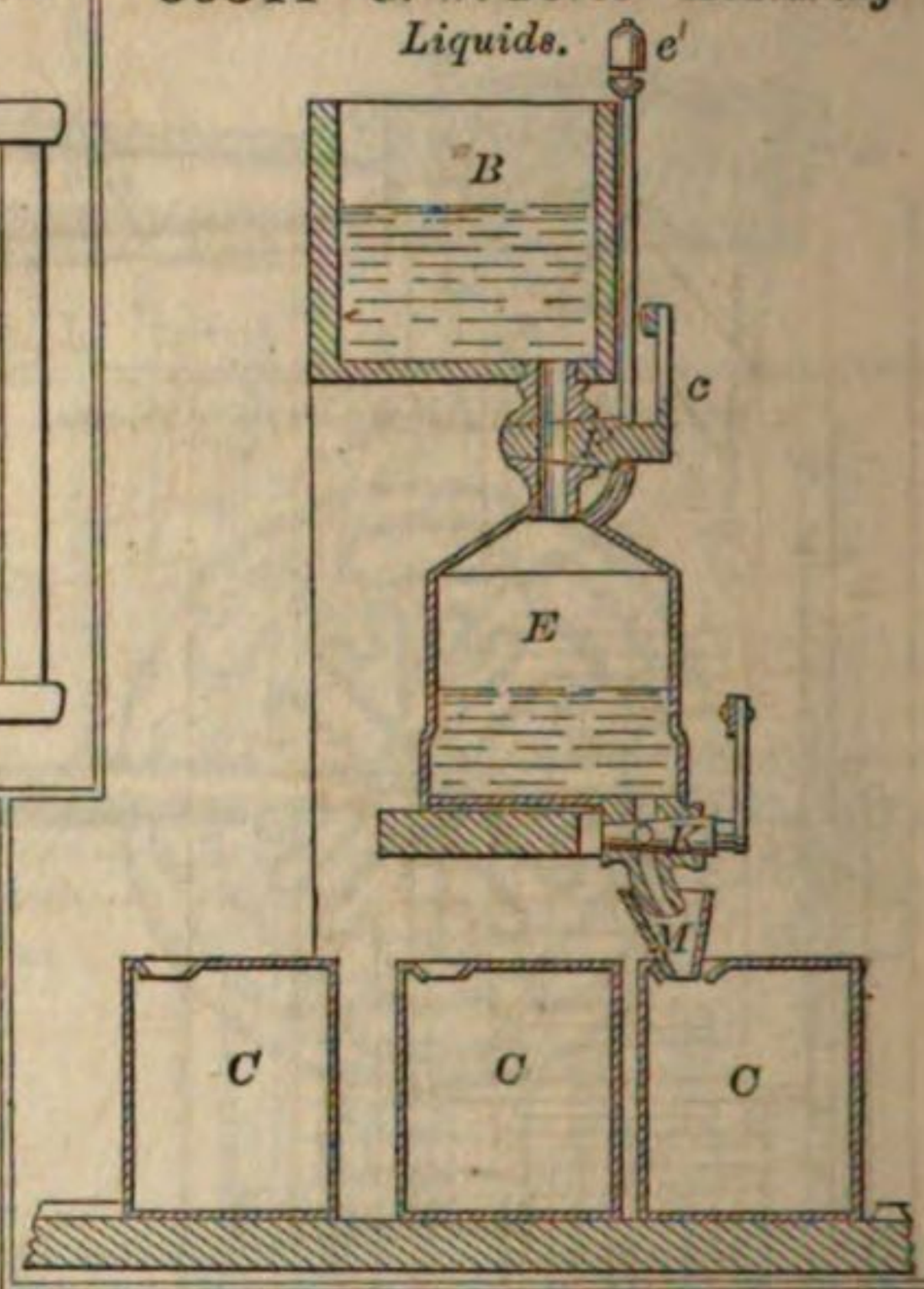


60342—S. S. Crocker—*Tap Borer.*

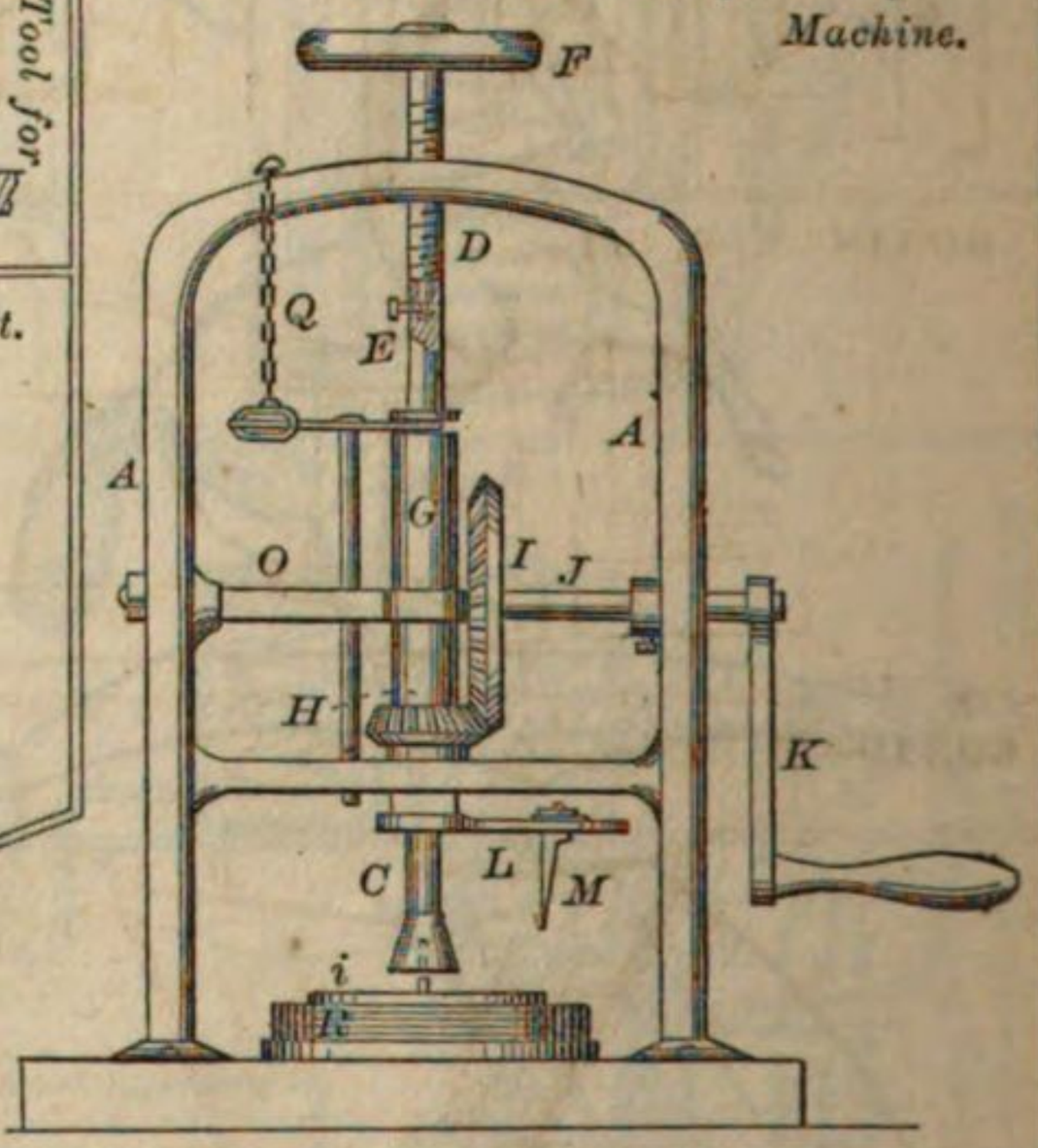
60343—A. C. Crosby—*Tool for Setting Jewels in Watches.*



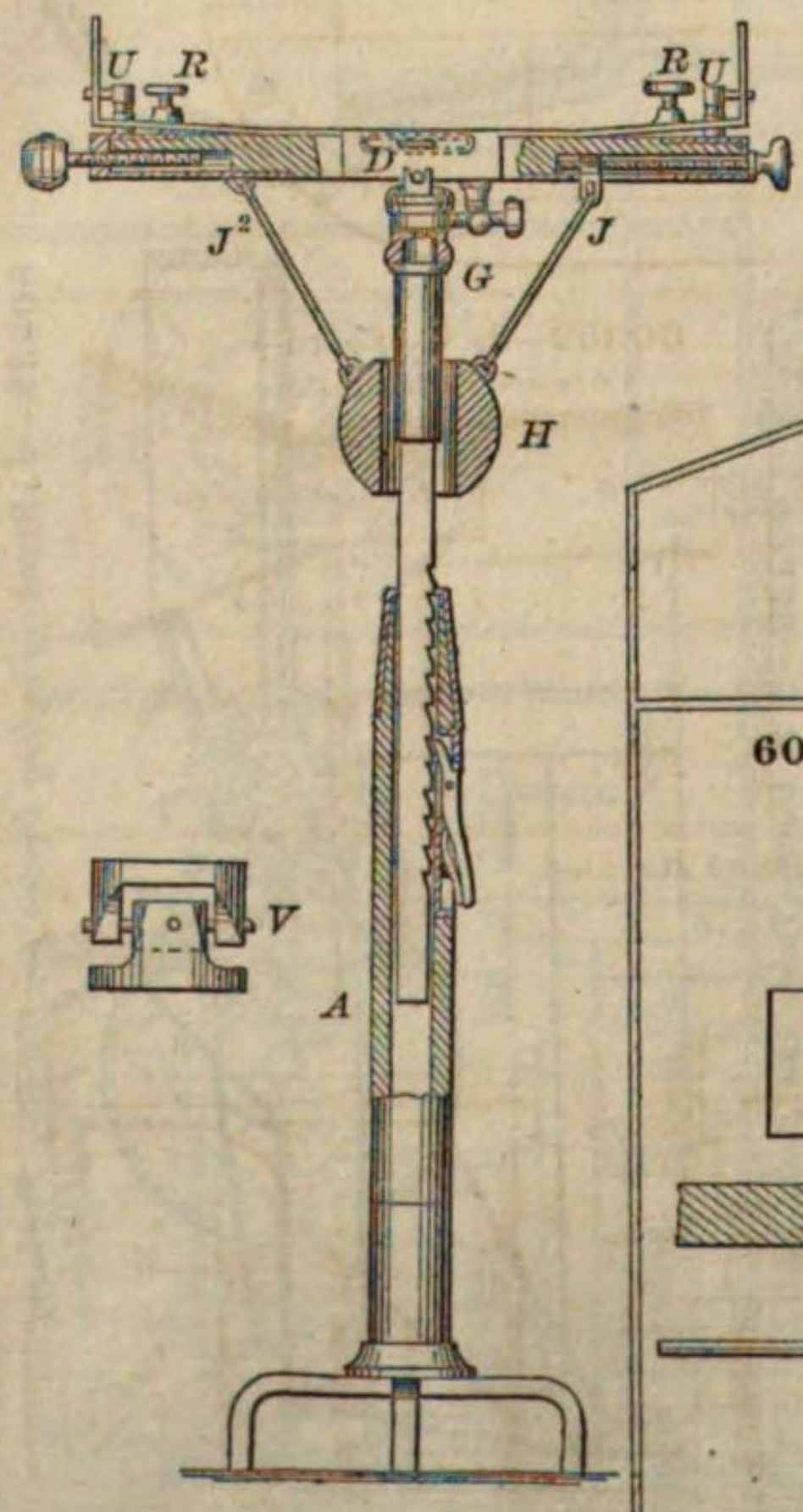
60344—G. W. Devoe—*Measuring Liquids.*



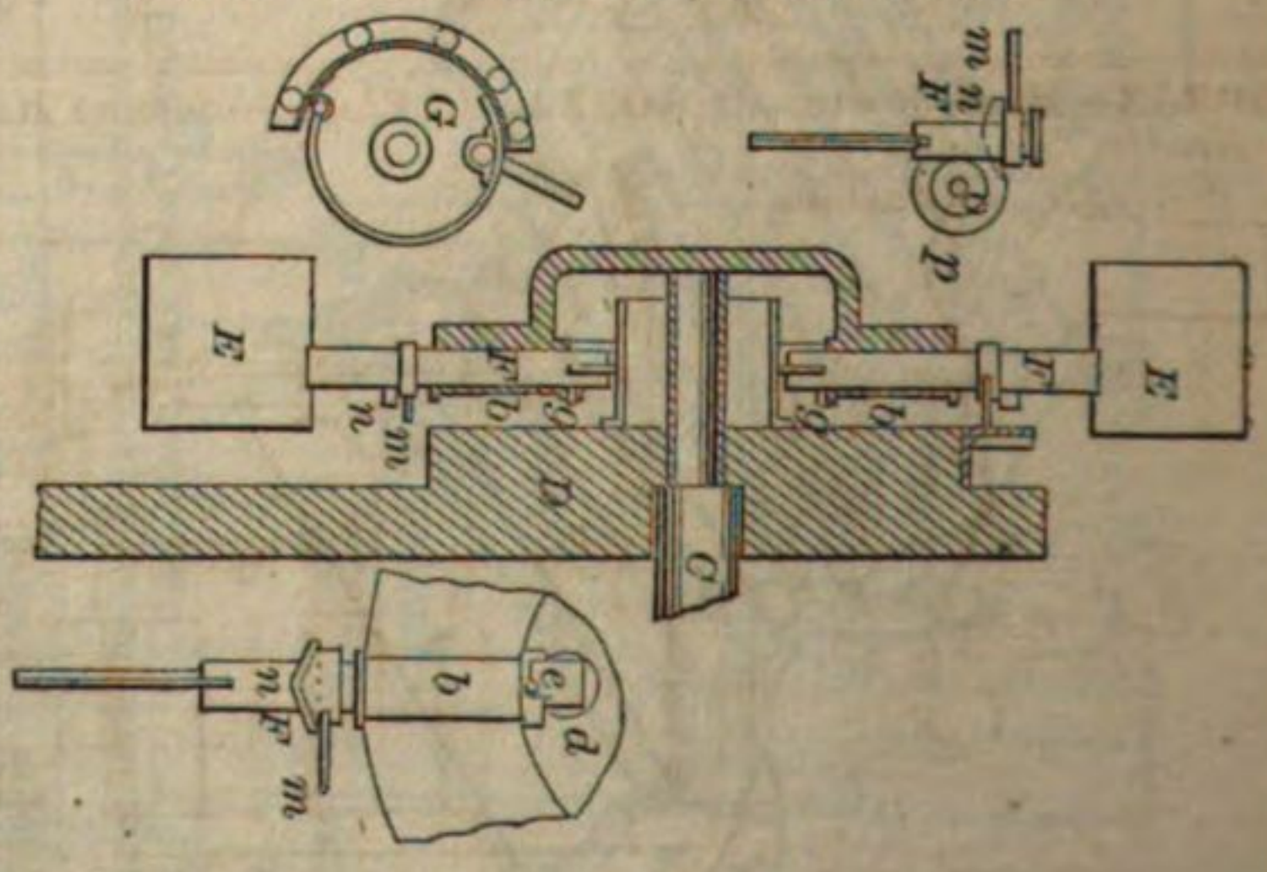
60341—J. J. Butler—*Rotary Cutting Machine.*



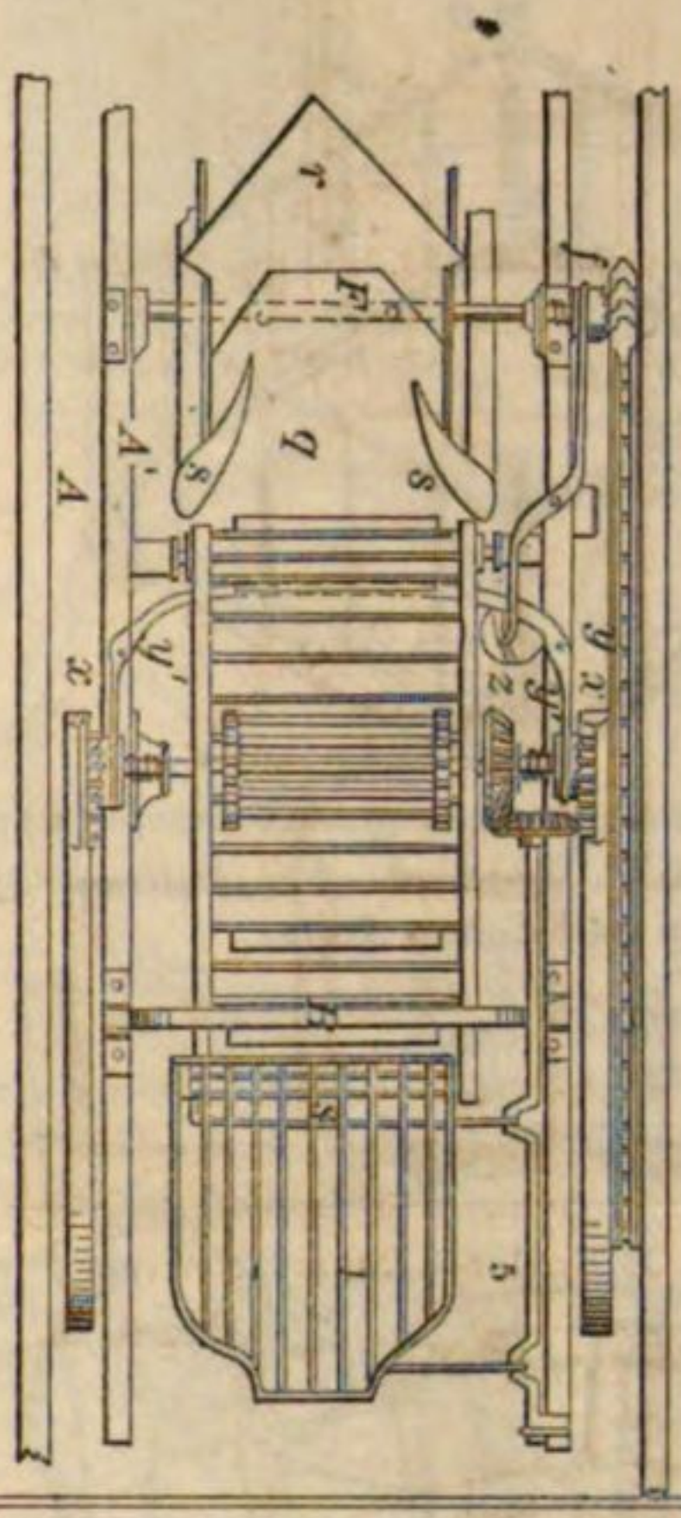
60346—S. L. Donnell—*Grading Instrument.*

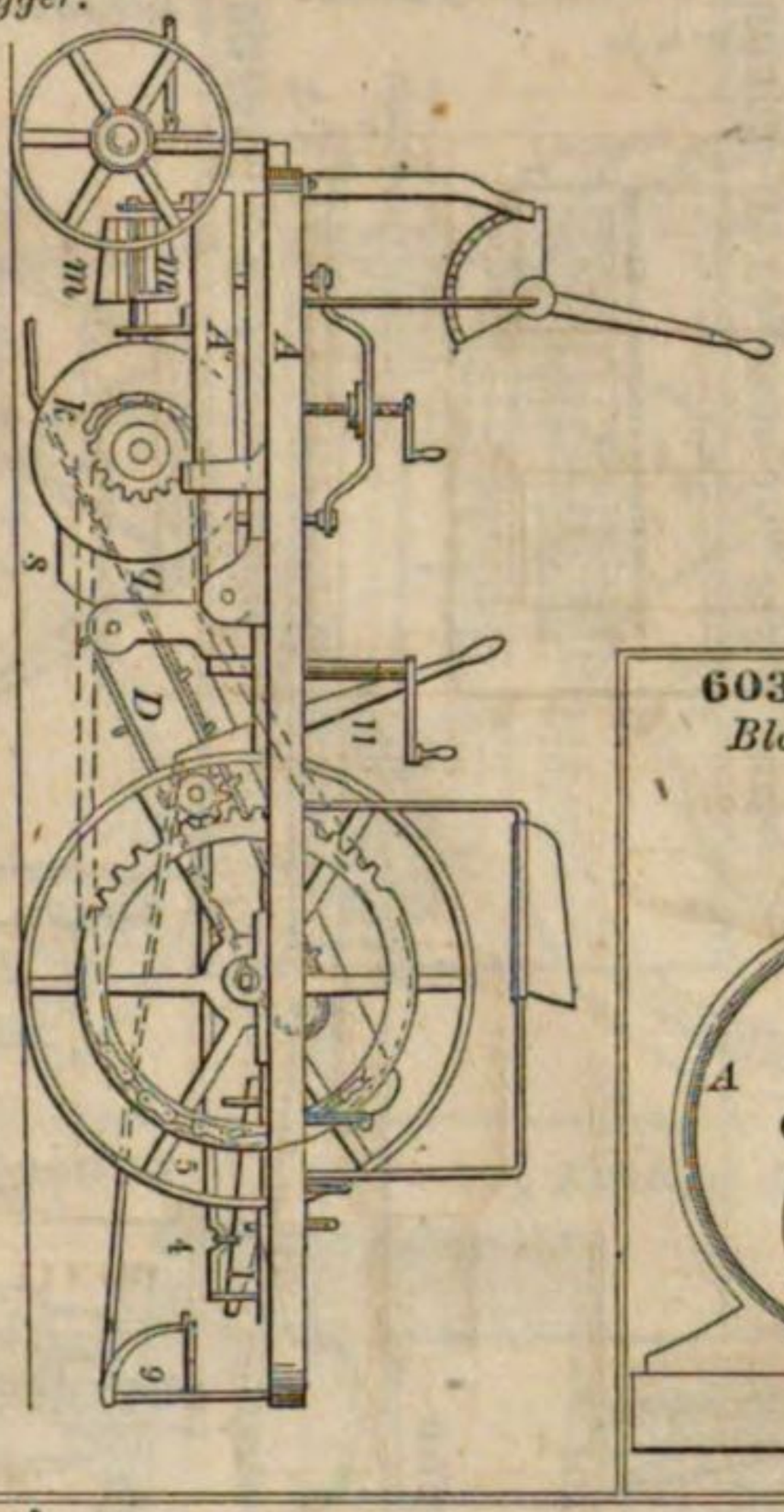


60345—J. V. Dinsmore—*Paddle Wheel.*

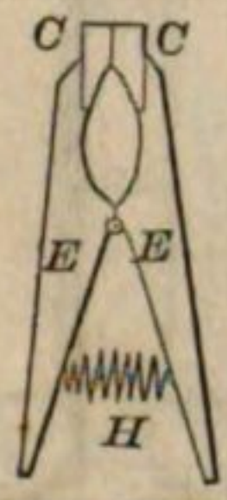


60347—M. T. Drake—*Potato Digger.*

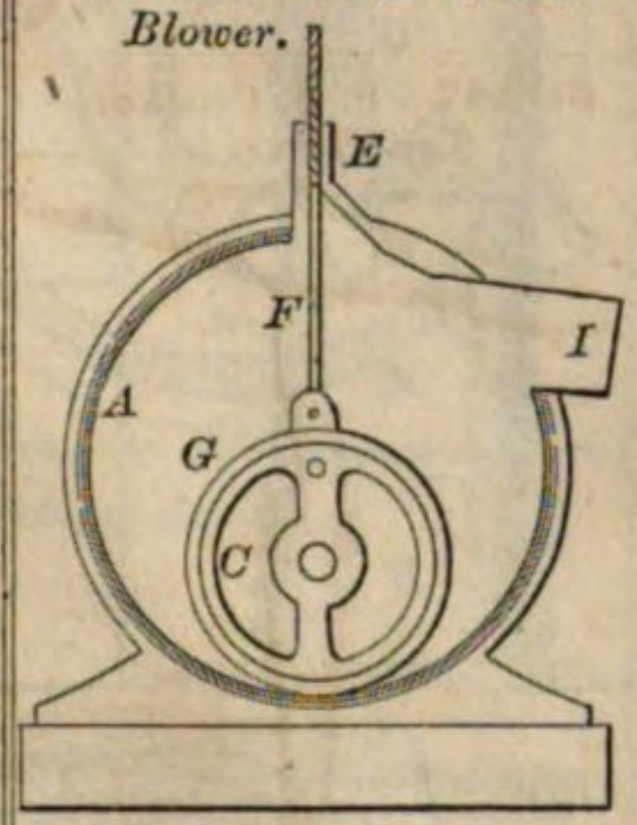




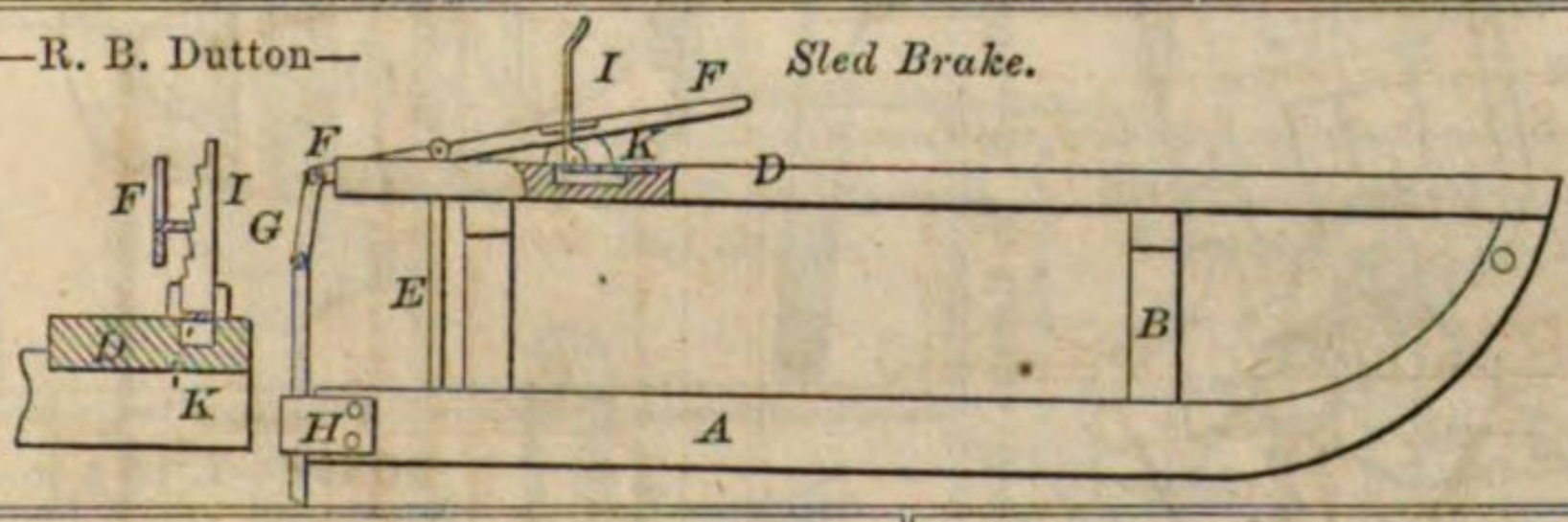
60351—W. Fisher—*Bed Clothes Clamp.*



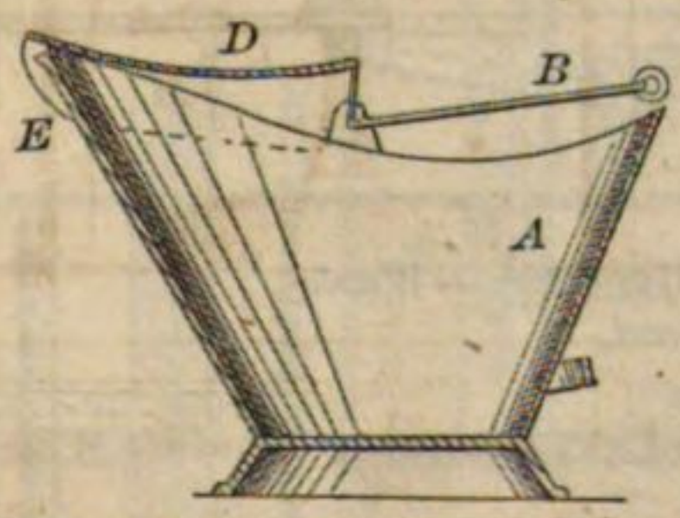
60350—J. A. Evarts—*Blower.*



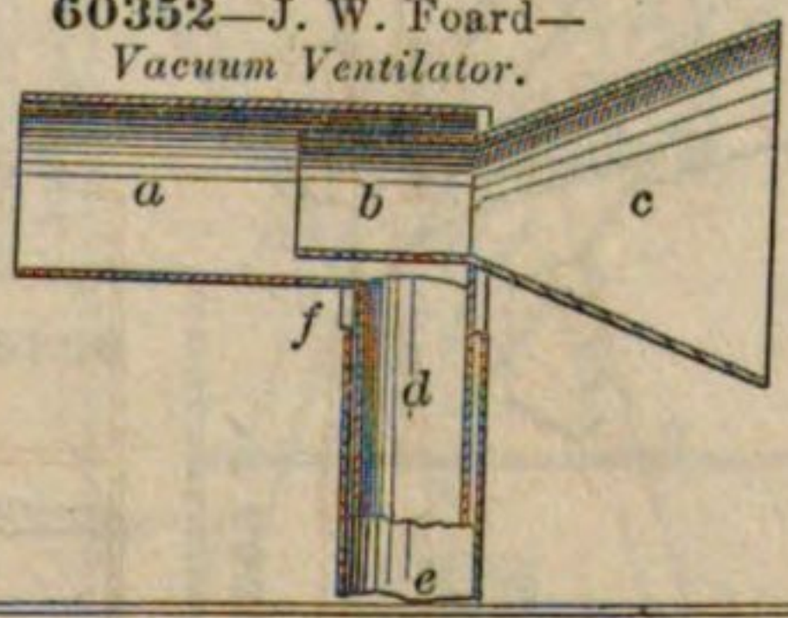
60348—R. B. Dutton—*Sled Brake.*



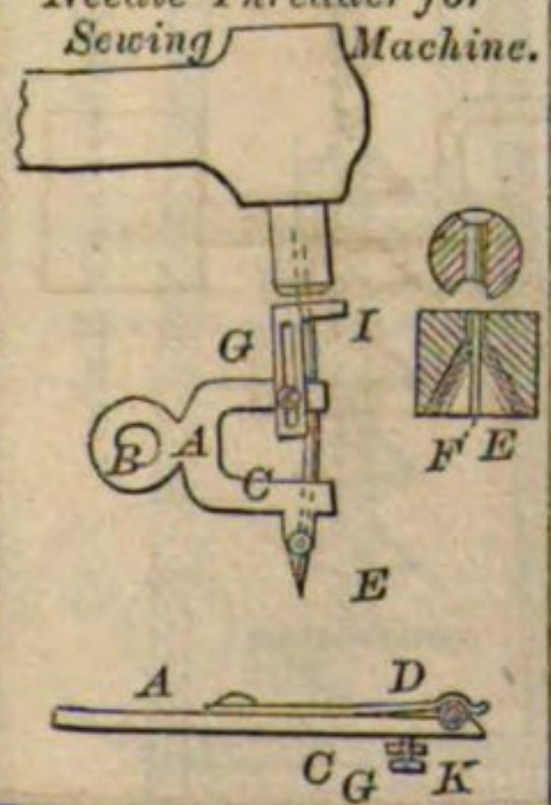
60349—E. Eltinge—*Coal Scuttle.*



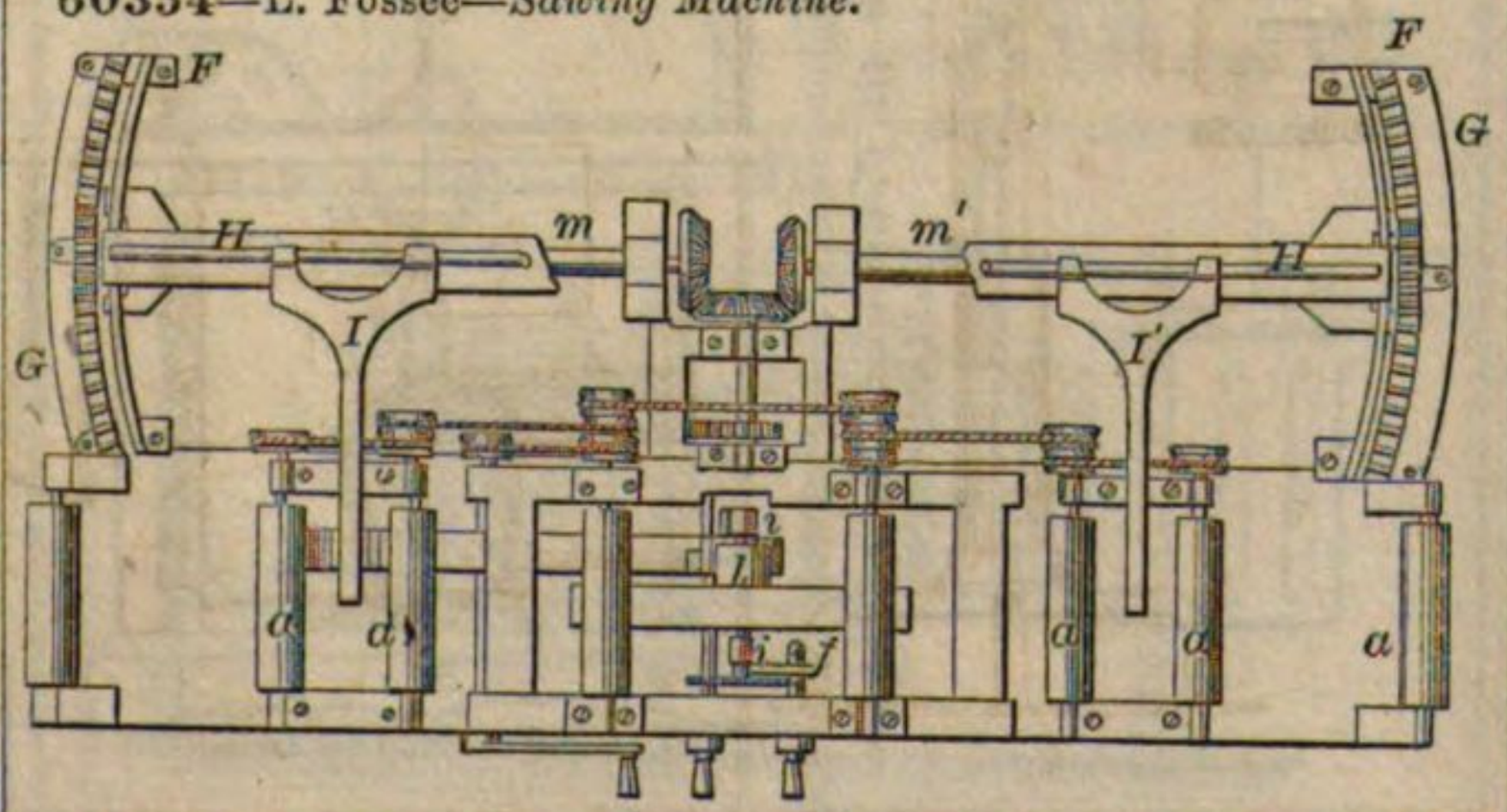
60352—J. W. Foard—*Vacuum Ventilator.*



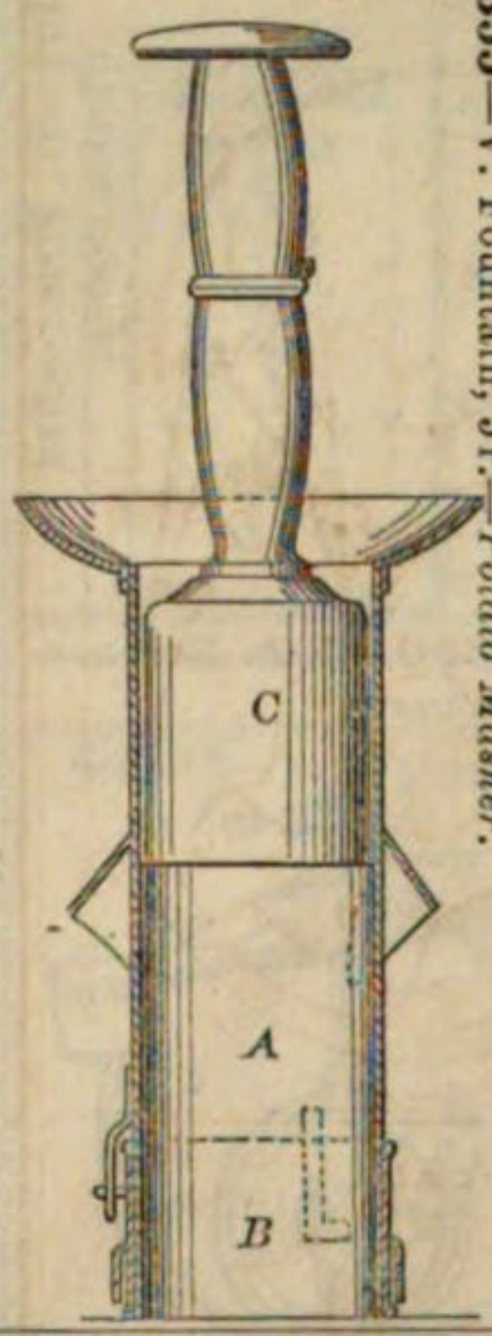
60353—M. B. Foote.—*Needle Threader for Sewing Machine.*



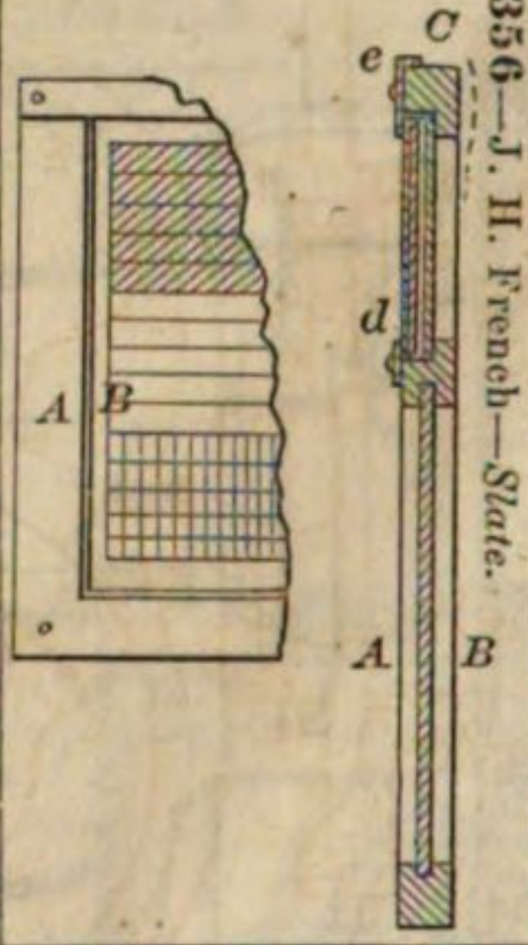
60354—L. Fossee—*Sewing Machine.*



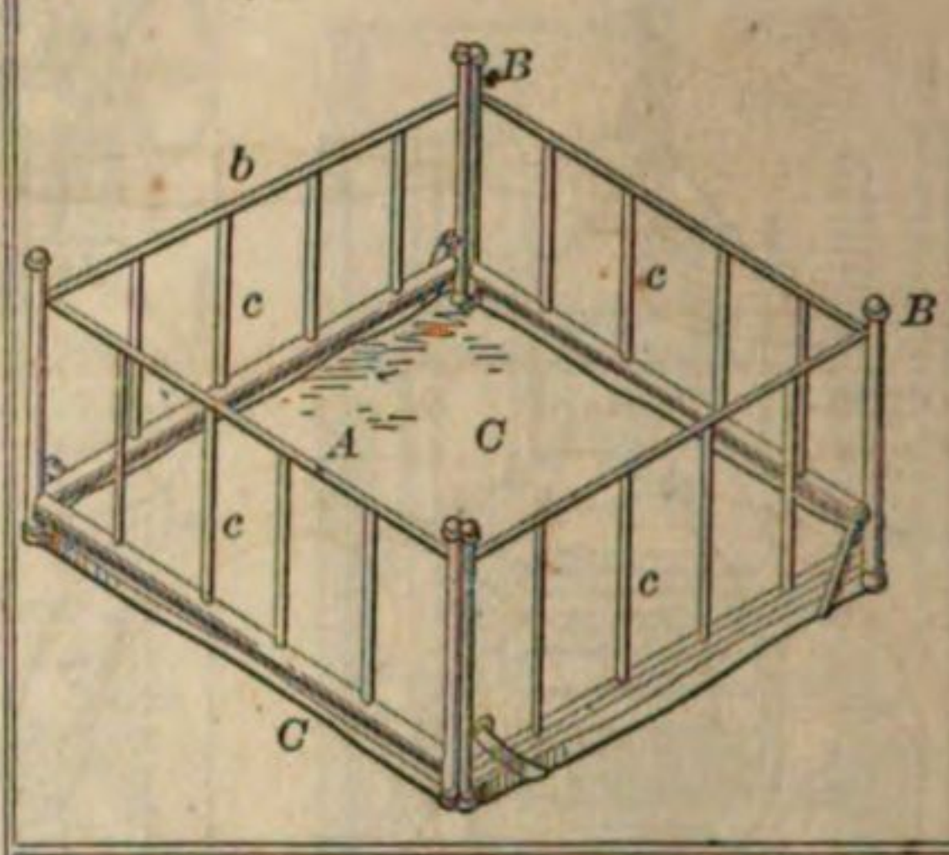
60355—V. Fountain, Jr.—*Potato Masher.*



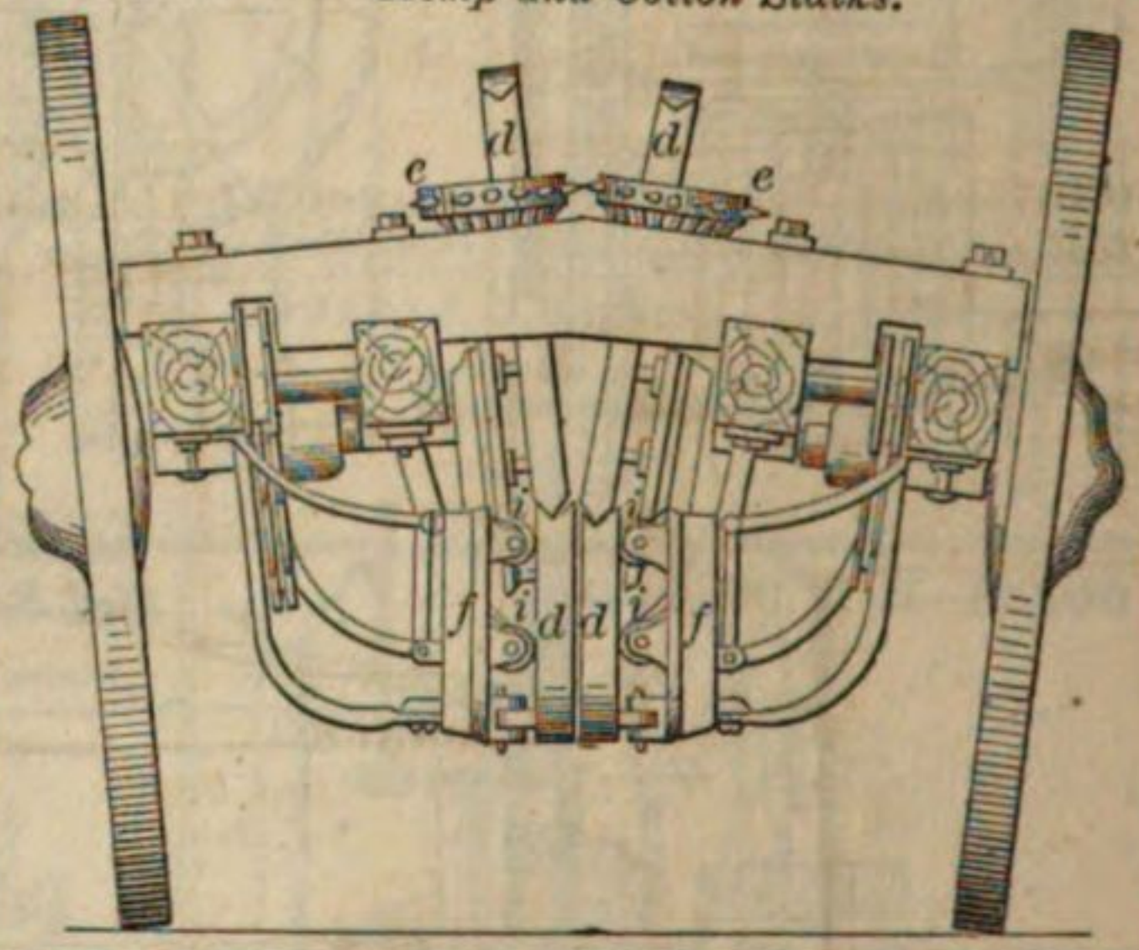
60356—J. H. French—*Slate.*



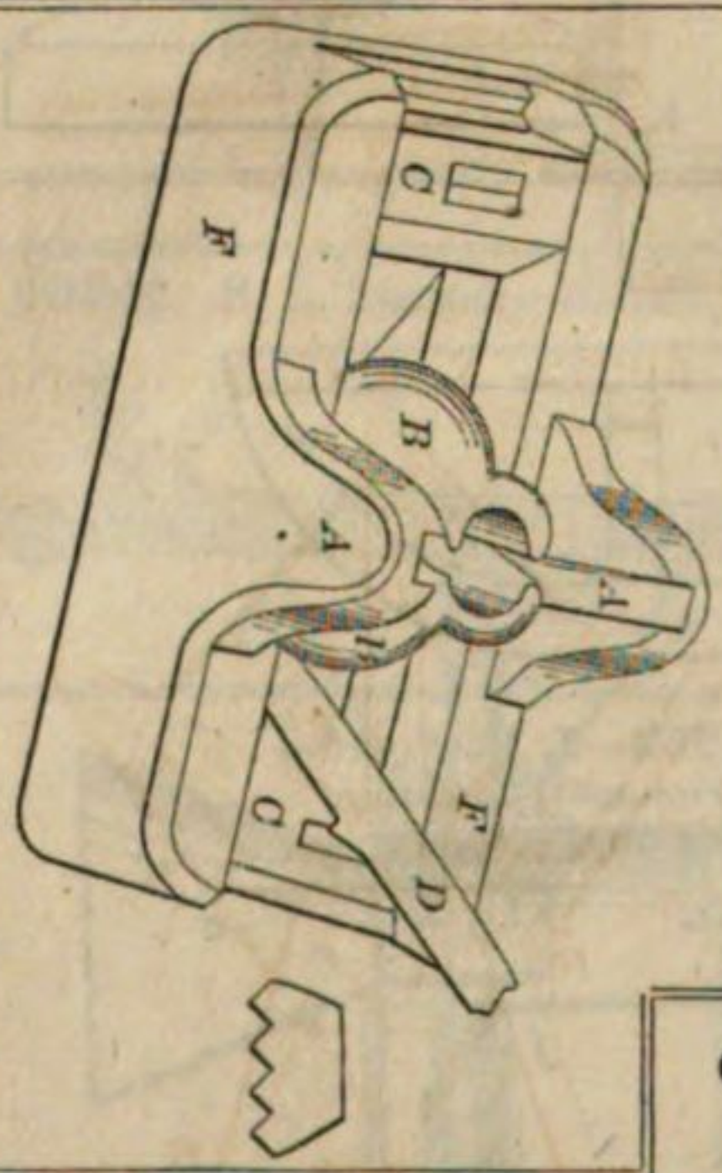
60357—W. L. Gerard—*Crib for Children.*



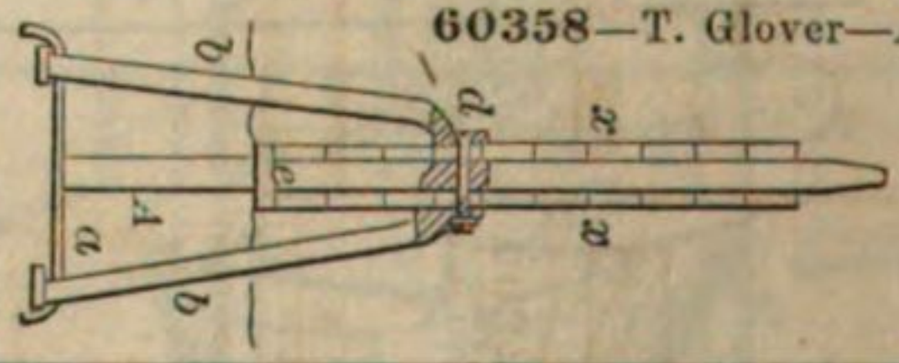
60359—A. W. Goddard—*For Pulling Hemp and Cotton Stalks.*



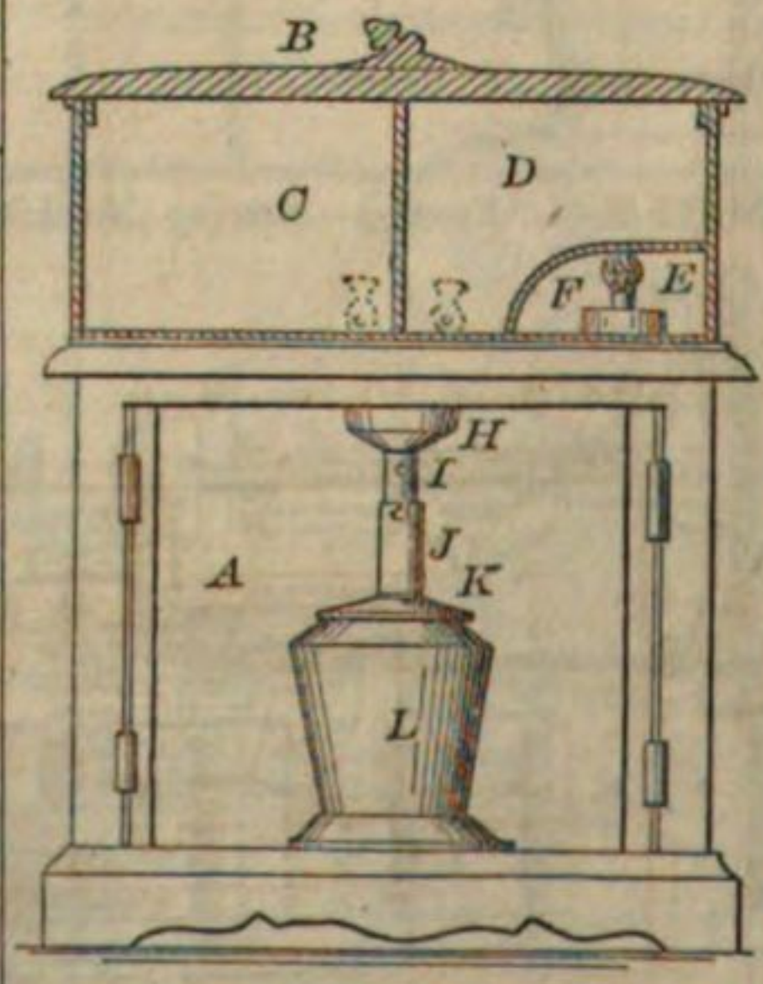
60361—N. W. Green—*Grappling Hook.*



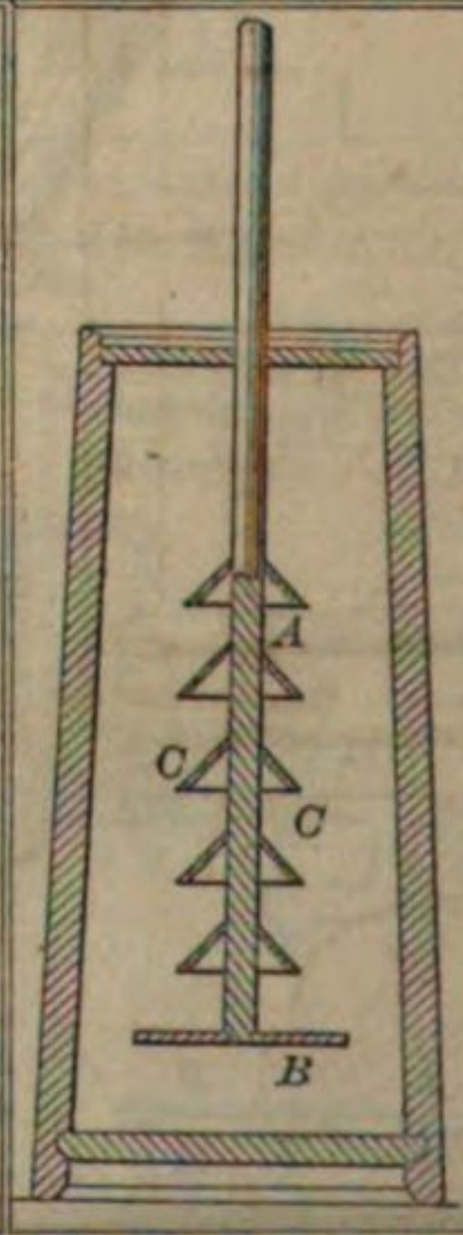
60358—T. Glover—*Fence.*



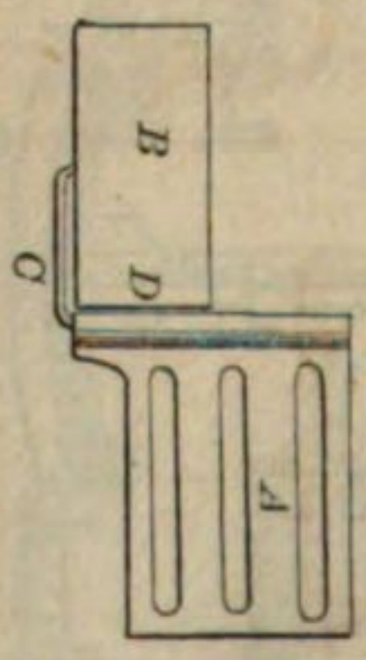
60362—S. B. Guernsey—*Wash Stand.*



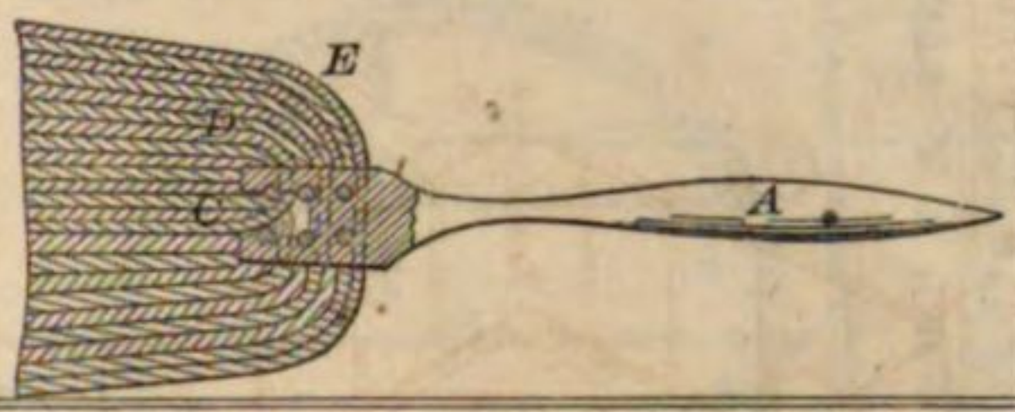
60363—A. W. Hall—*Churn Dasher.*



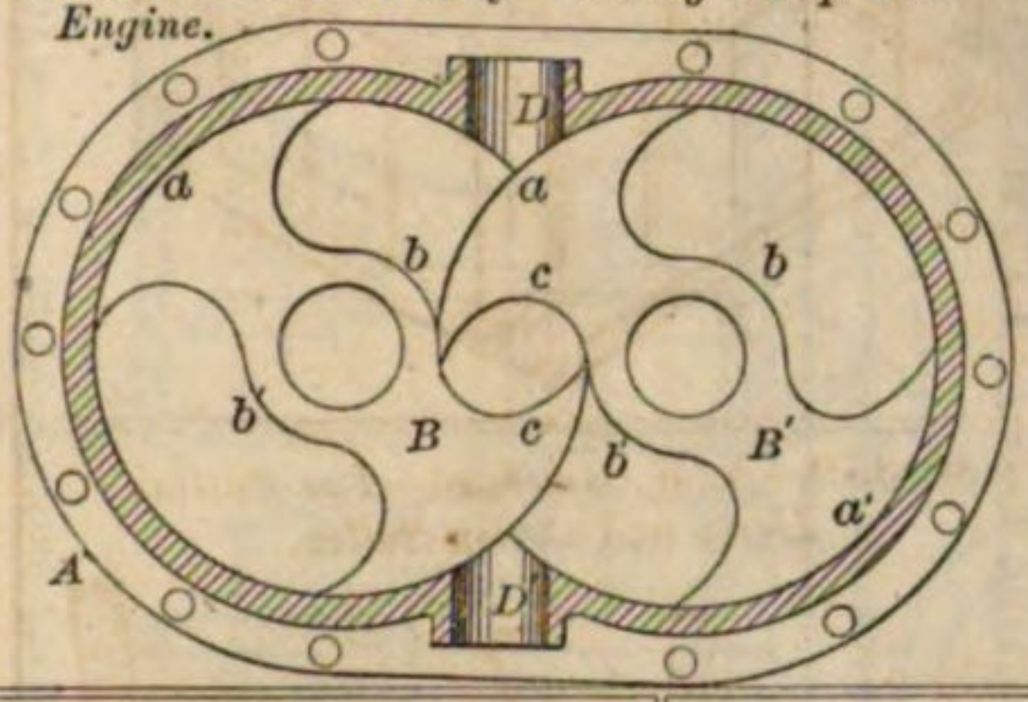
60360—H. C. Goodrich—*Sewing Machine Guide.*



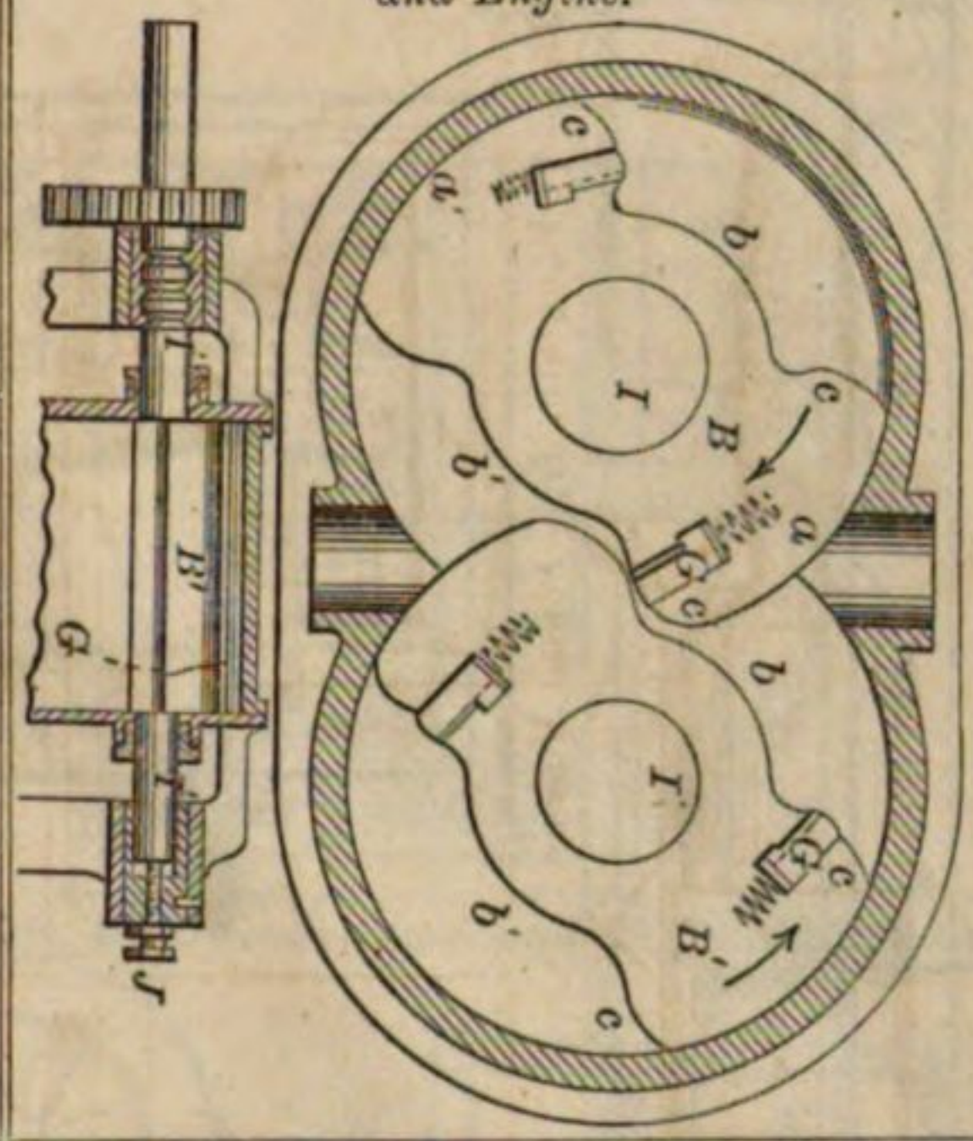
60364—A. S. Hadley—*Dish Mop.*



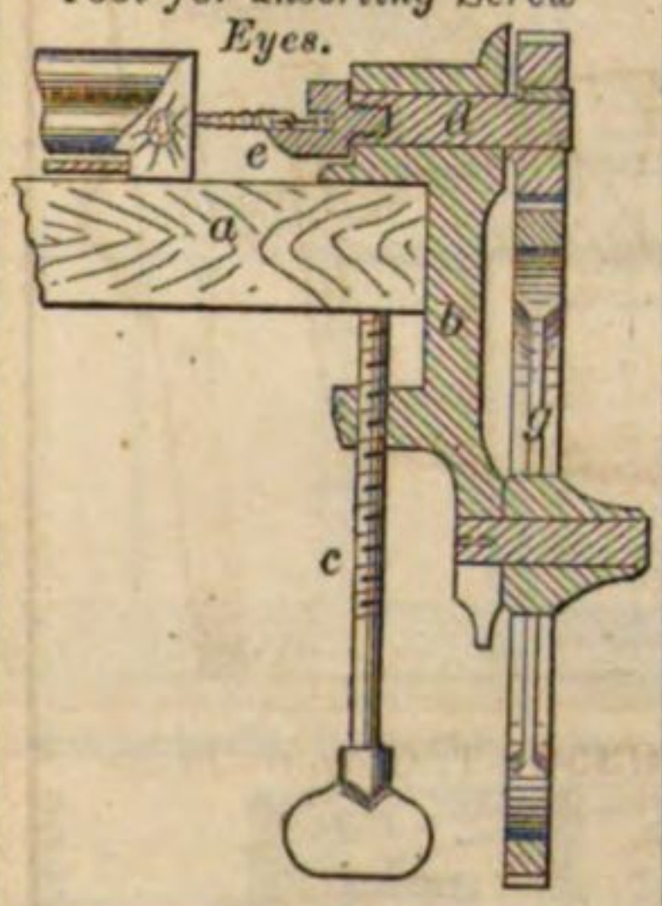
60365—D. D. Hardy—*Rotary Pump and Engine.*



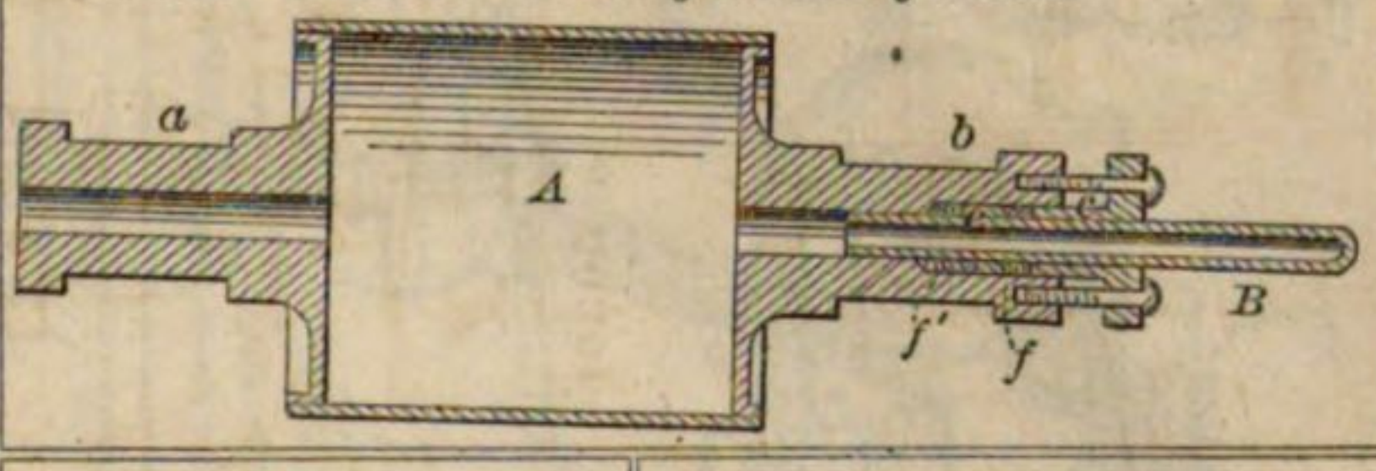
60366—Hardy & Morris—*Rotary Pump and Engine.*



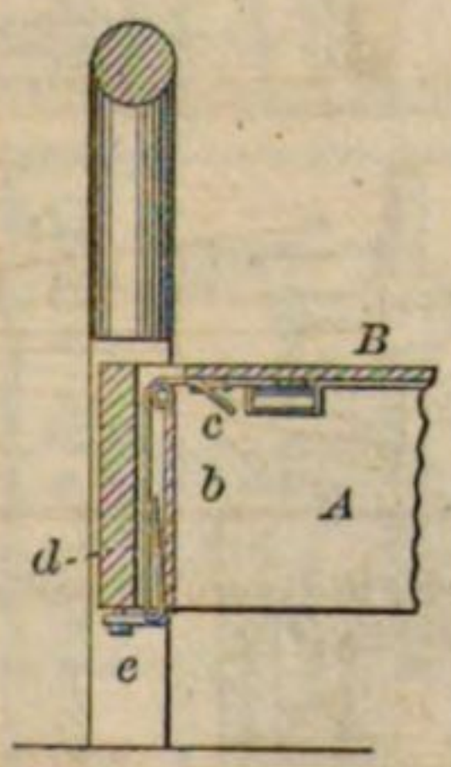
60367—B. T. Harris—*Tool for Inserting Screw Eyes.*



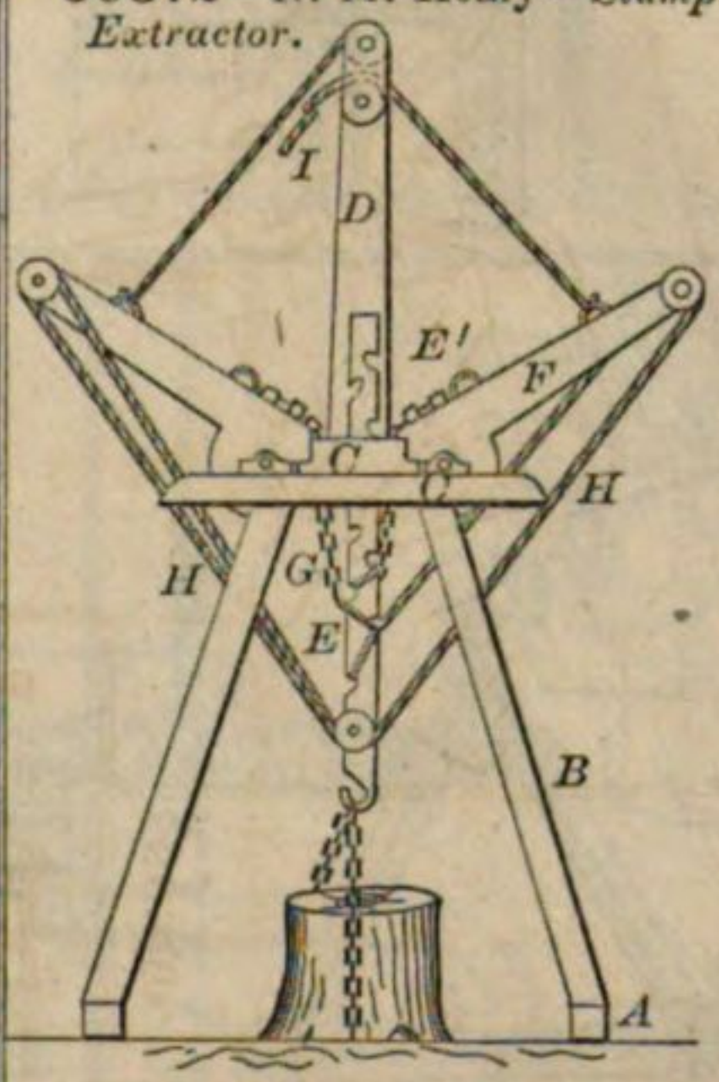
60369—J. Hatch—*Packing Revolving Joints.*



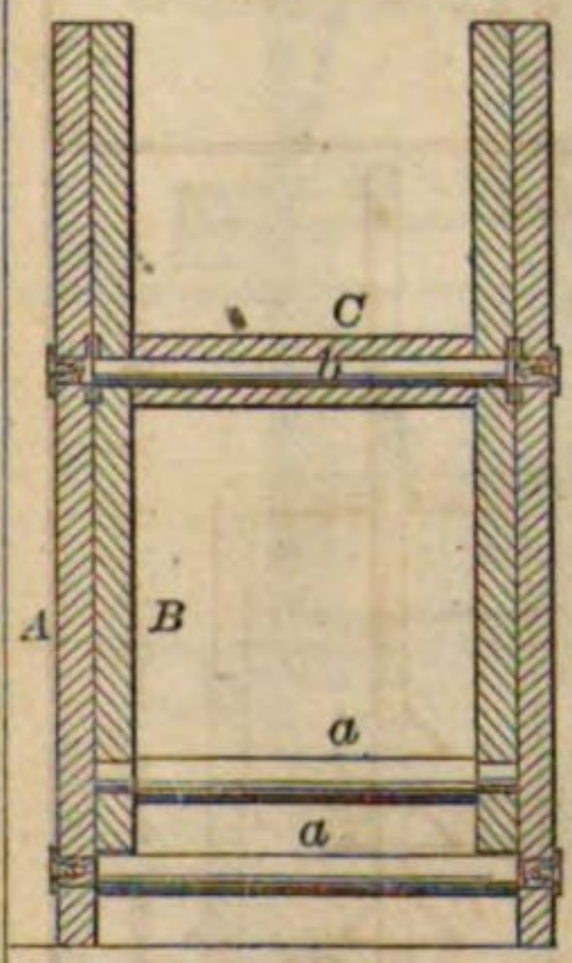
60368—W. J. Haswell—*Bed Bottom.*

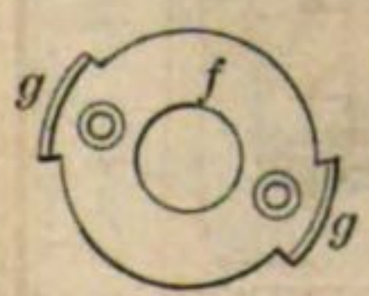


60372—N. M. Healy—*Stump Extractor.*

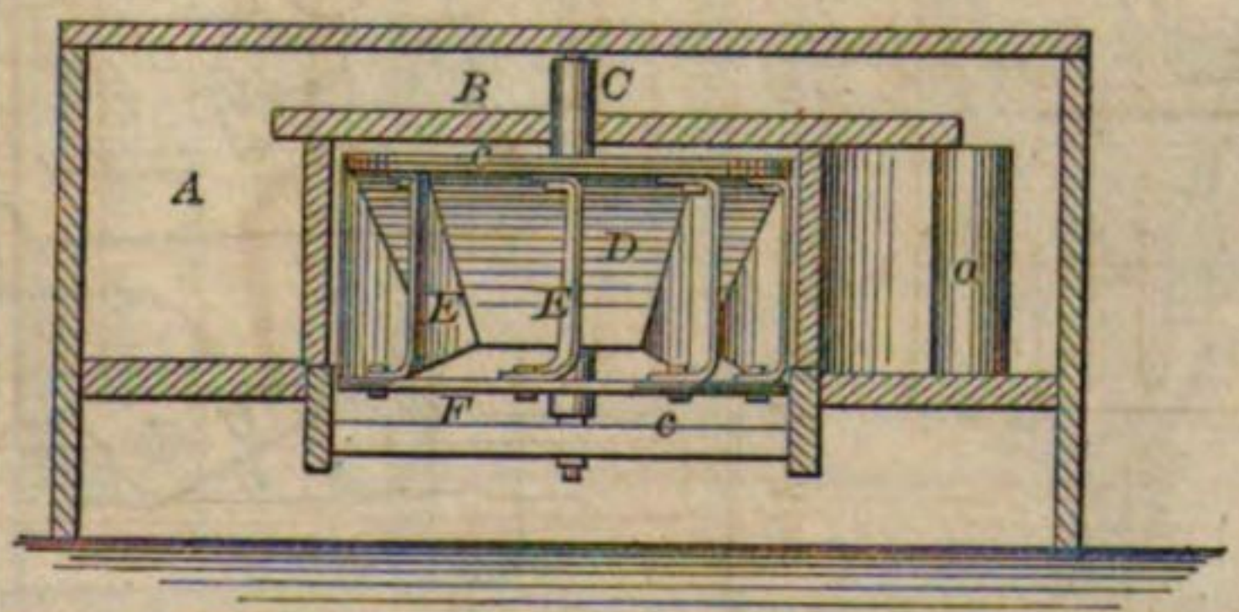


60371—H. M. Hayward—*Saw Horse or Buck.*

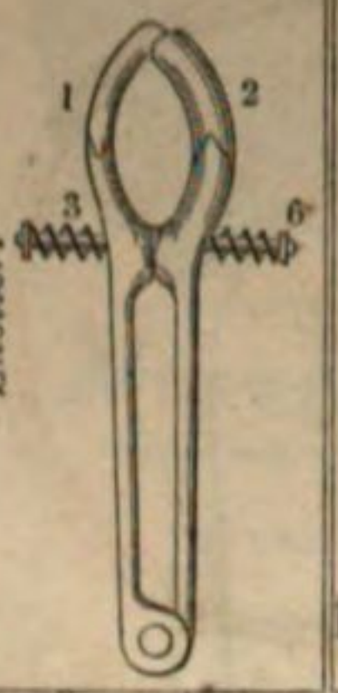




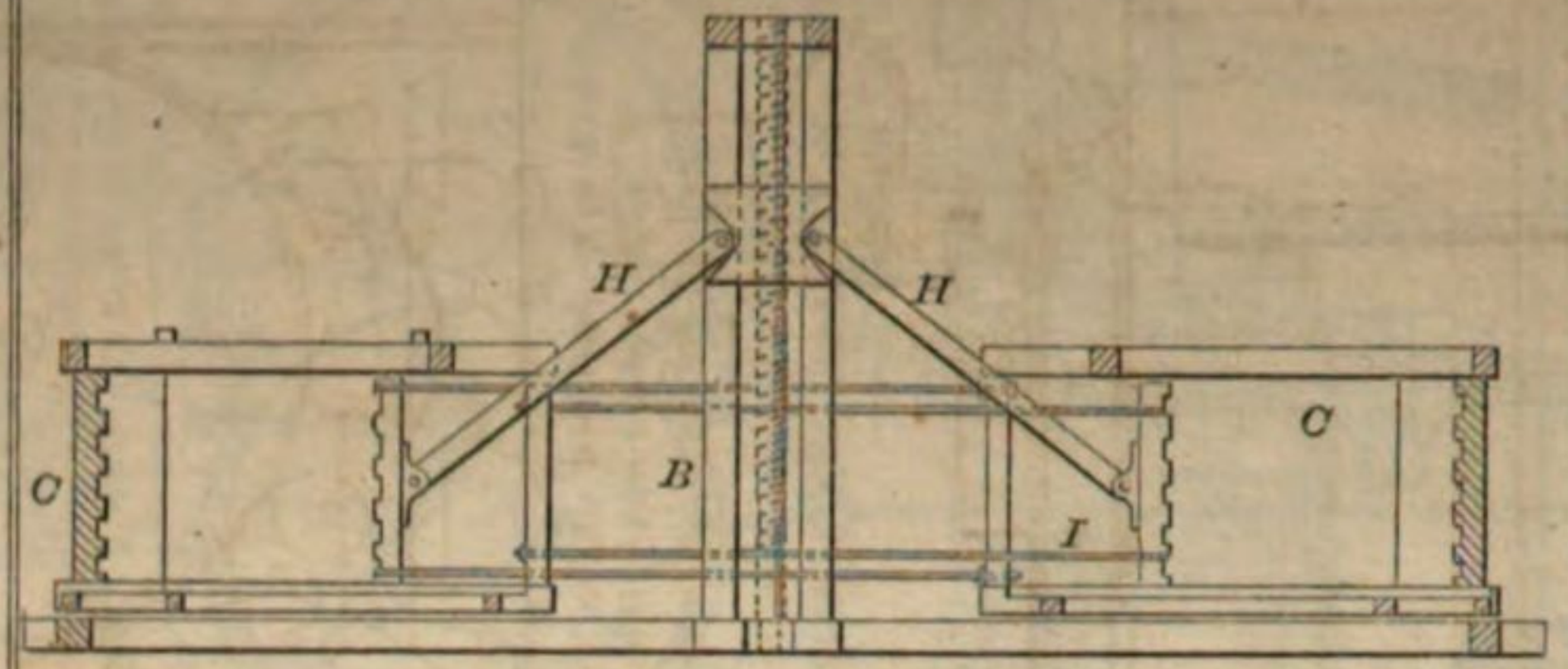
60373—S. Hicks—*Water Wheel.*



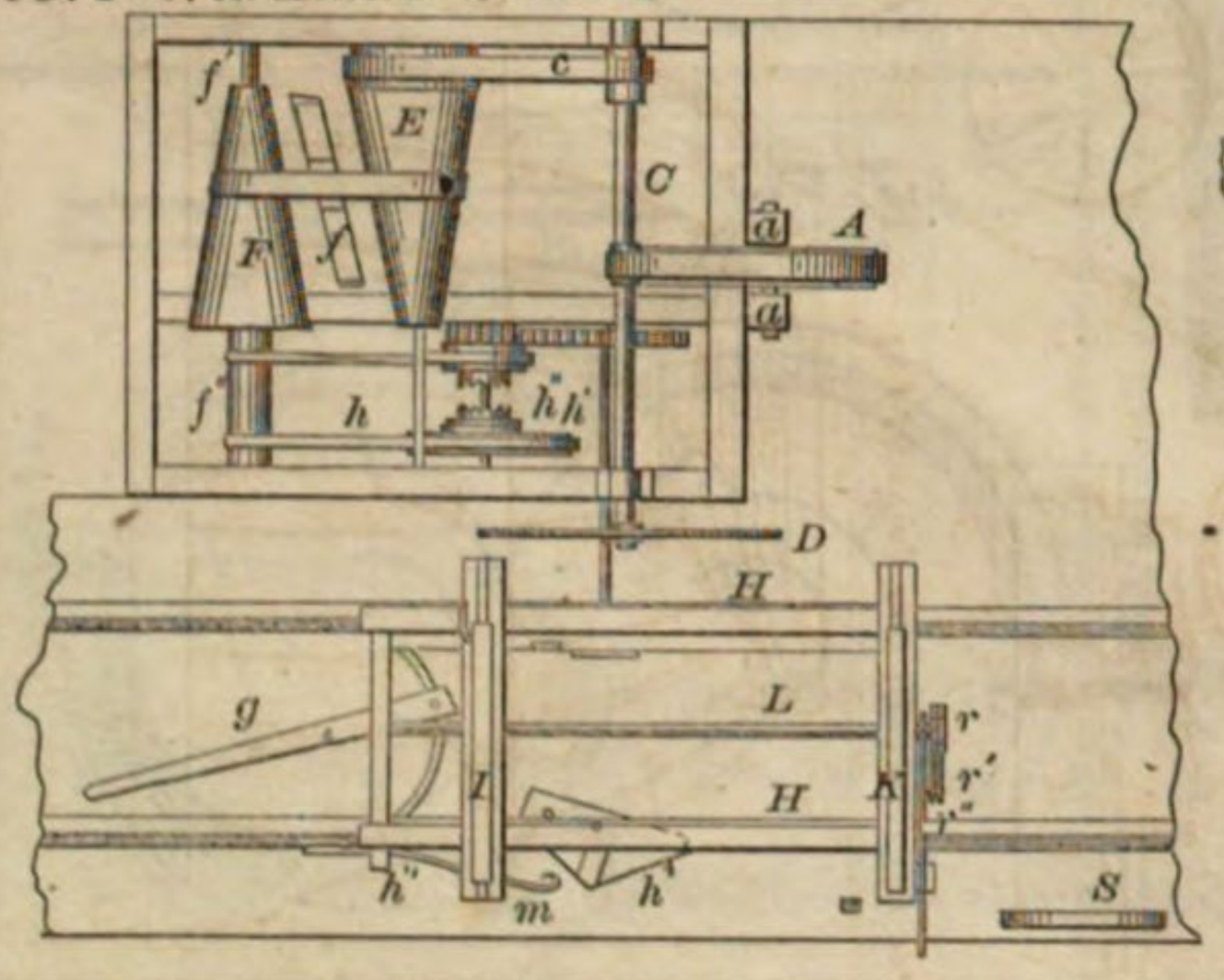
60375—M. & S. Housman—*Corn Sheller.*

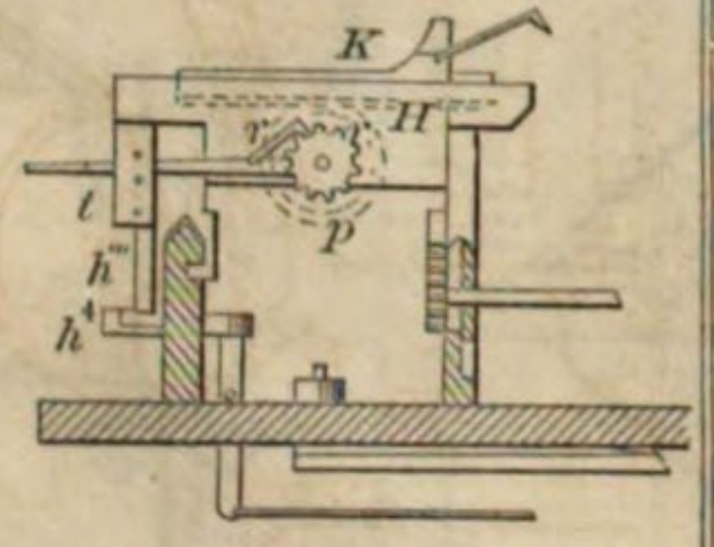


60376—G. D. Howe—*Baling Press.*

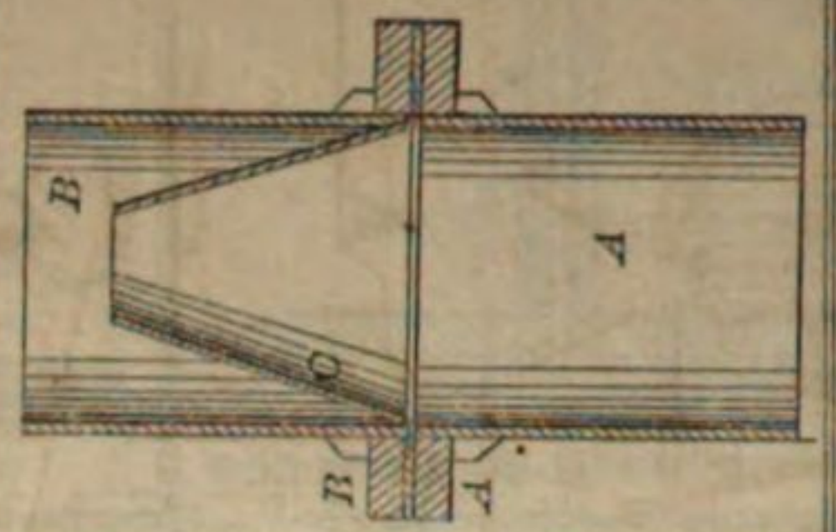


60374—J. A. Holford—*Saw Mill.*

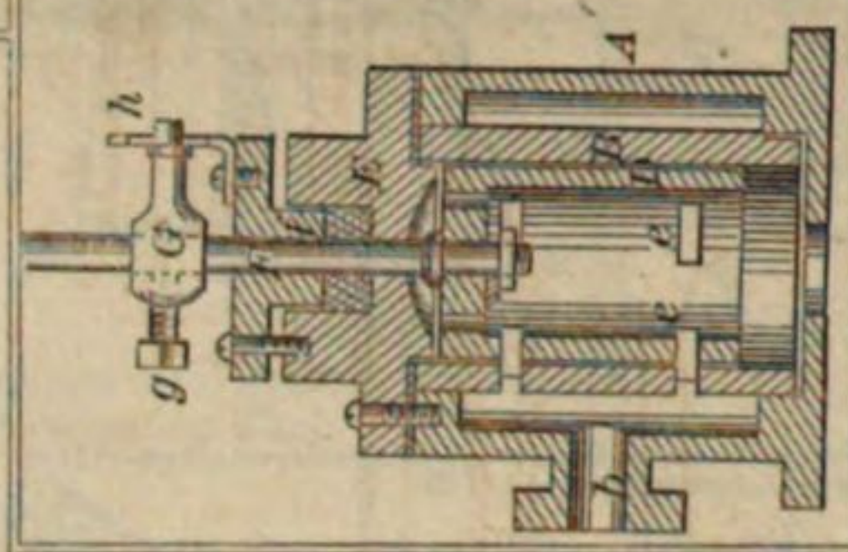




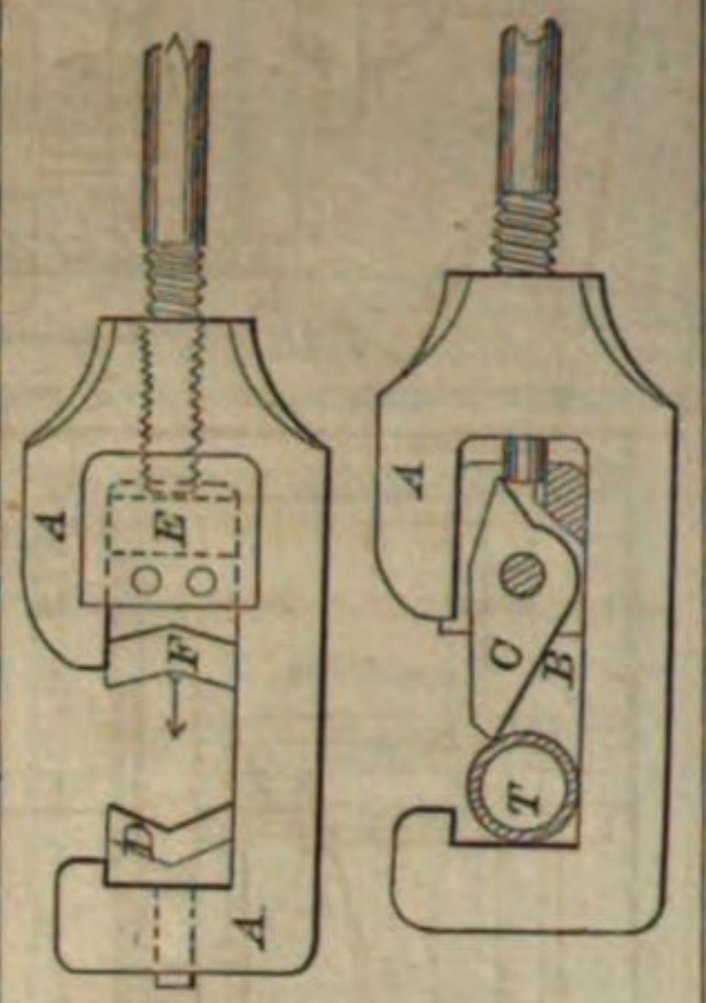
60379—G. A. Jasper—*Steam Pipe.*



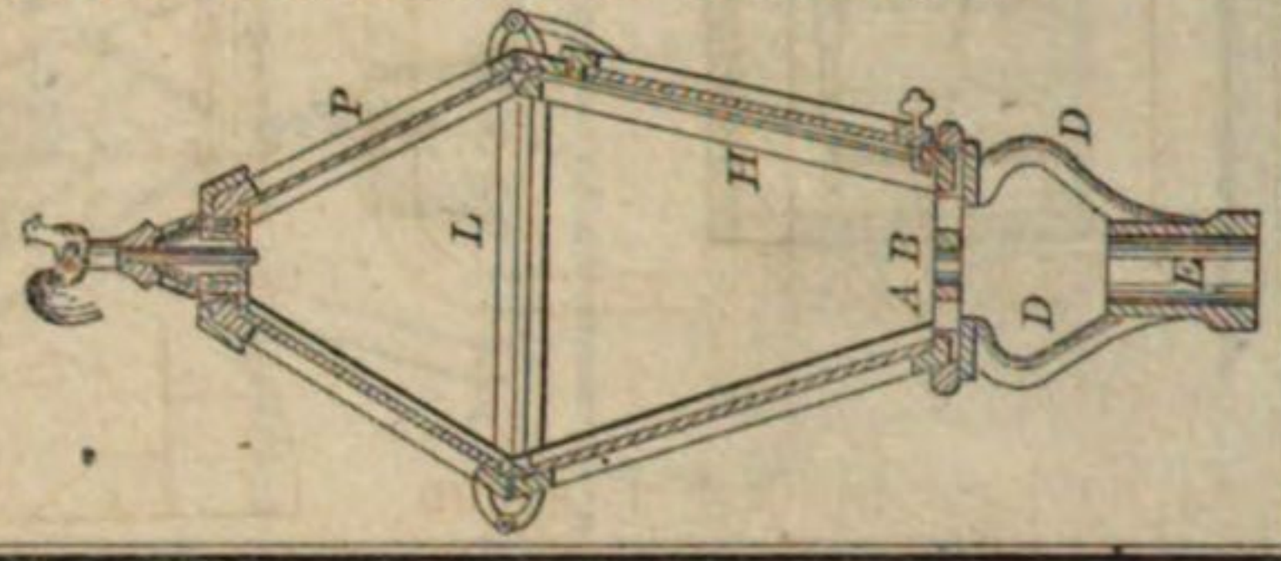
60378—G. G. Hunt—*Steam Valve.*



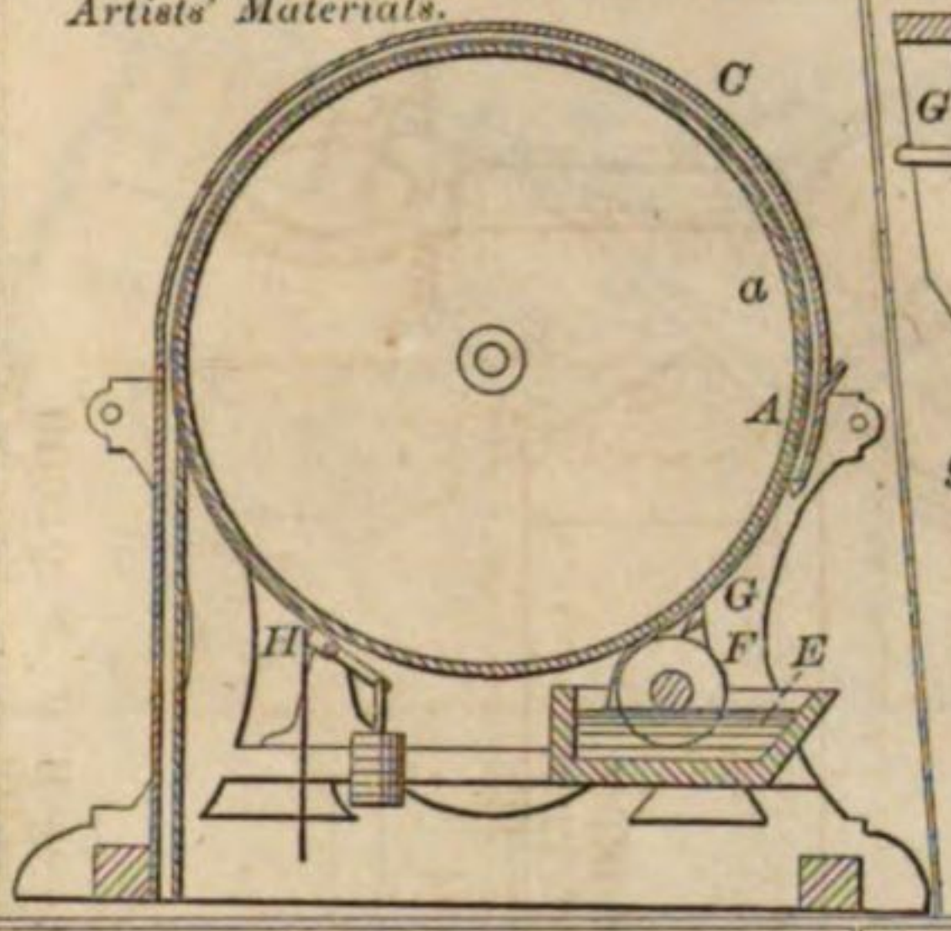
60380—J. V. Jepson—*Tool for Cutting Tubes.*



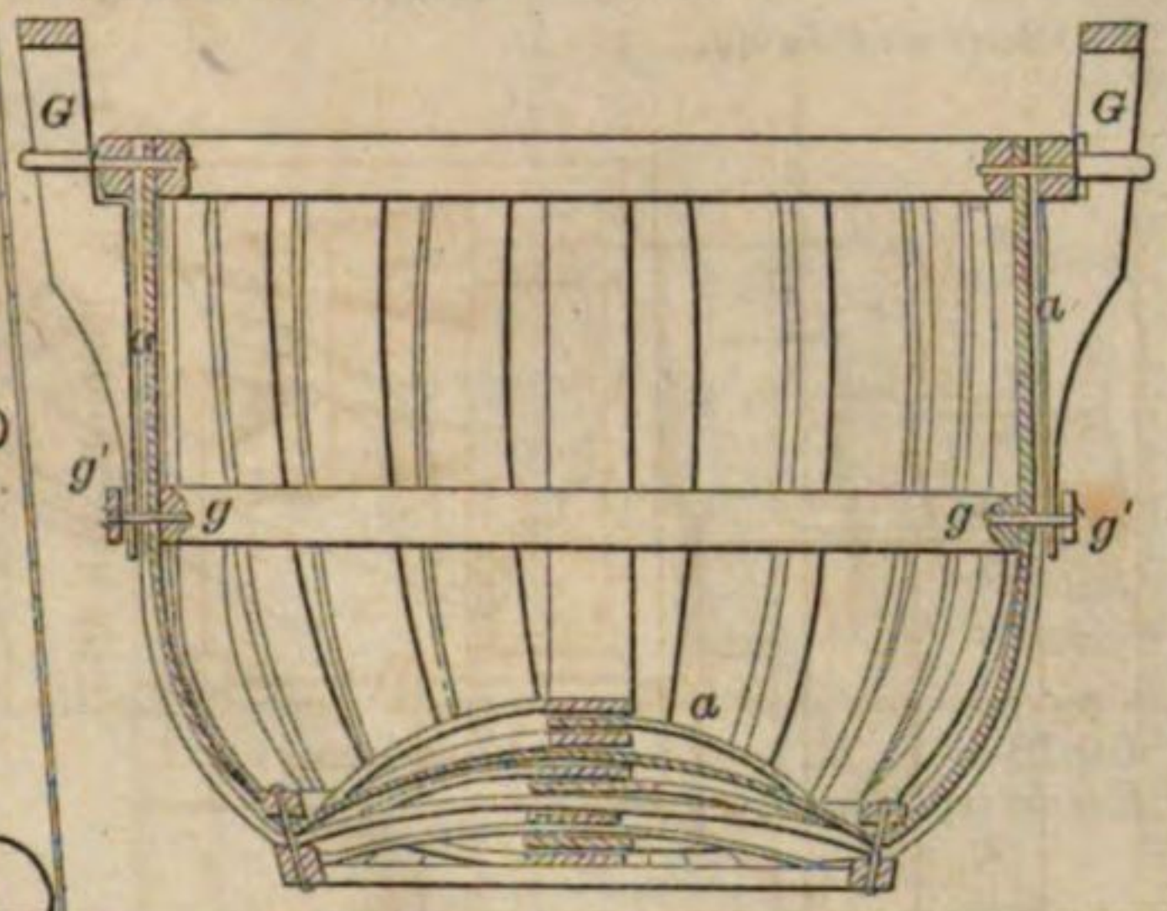
60377—A. R. & E. A. Hunt—*Street Lantern.*



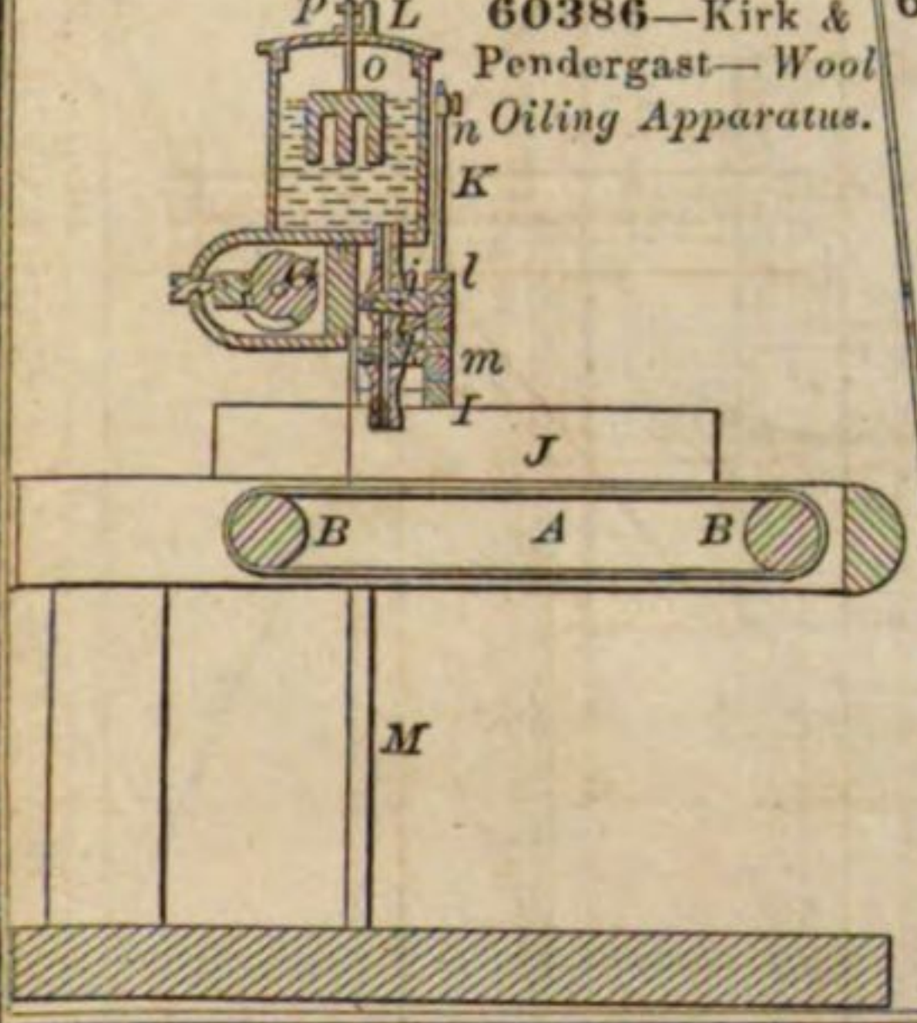
60382—G. D. Jones—*For Drying Artists' Materials.*



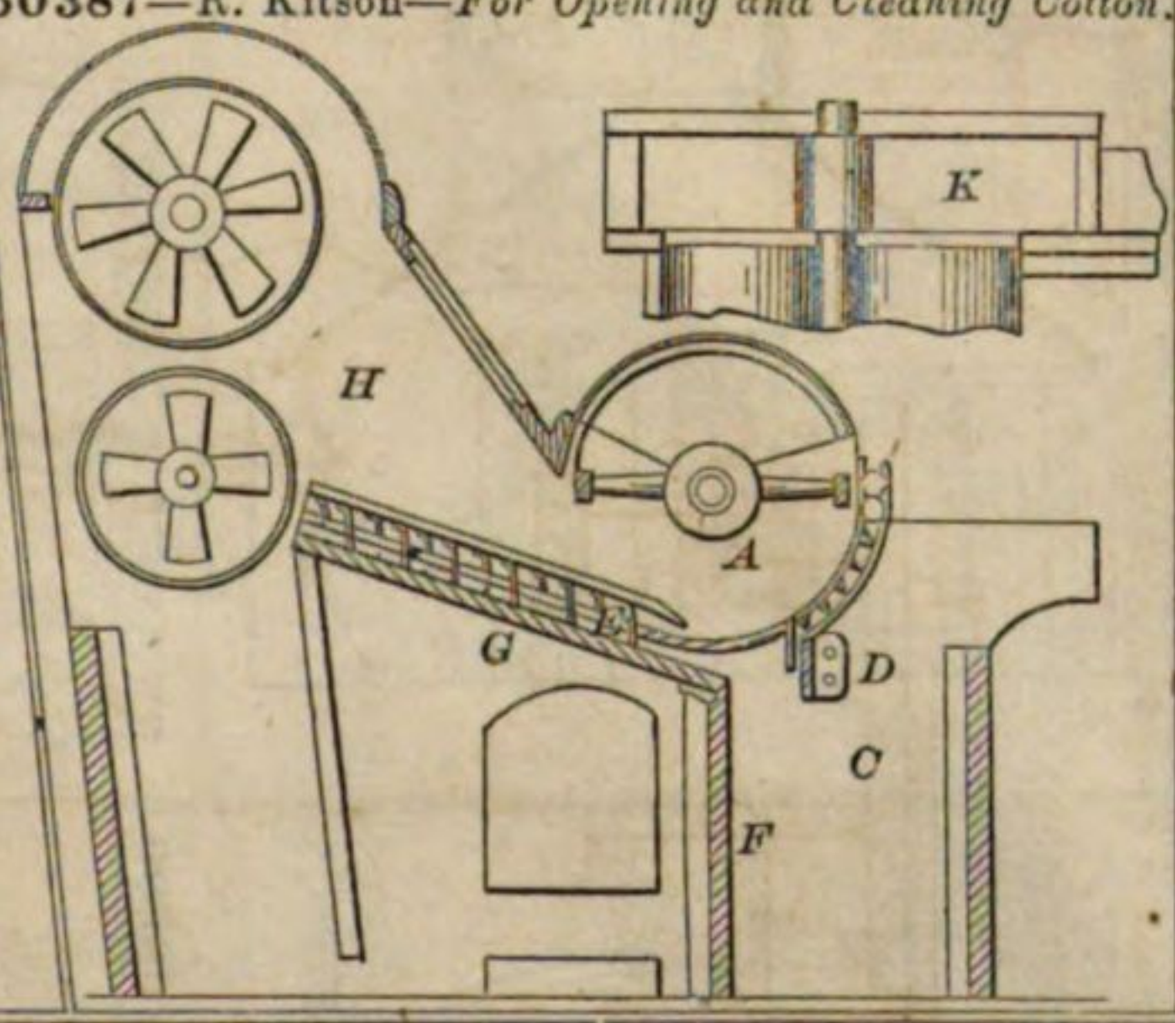
60383—H. C. Jones—*Basket.*



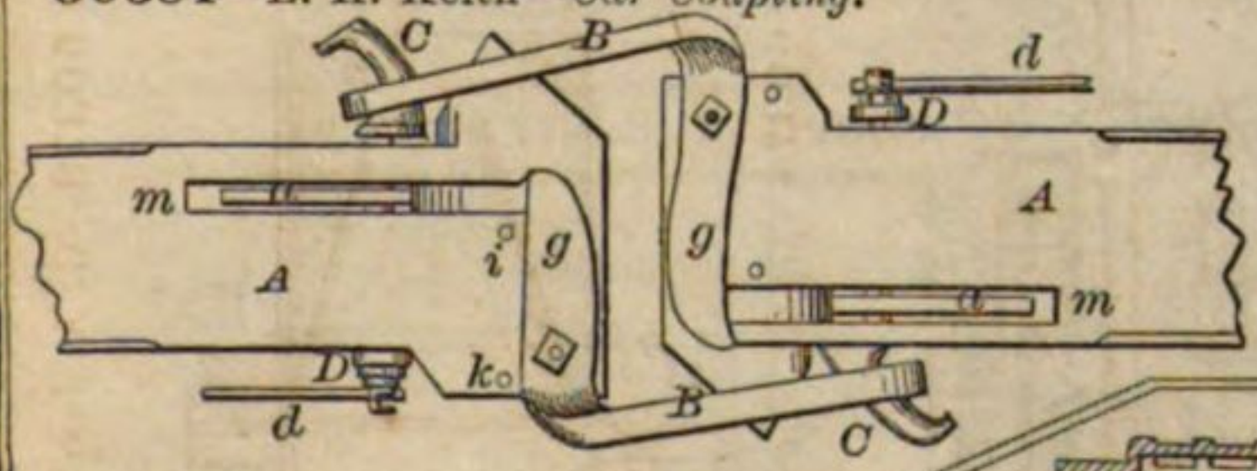
60386—Kirk & Pendergast—*Wool Oiling Apparatus.*

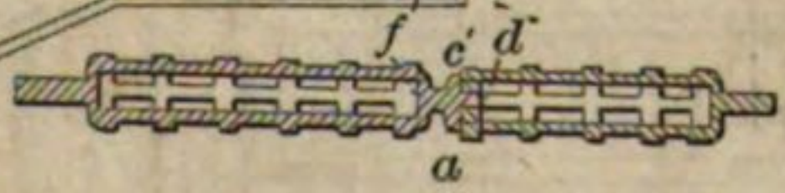


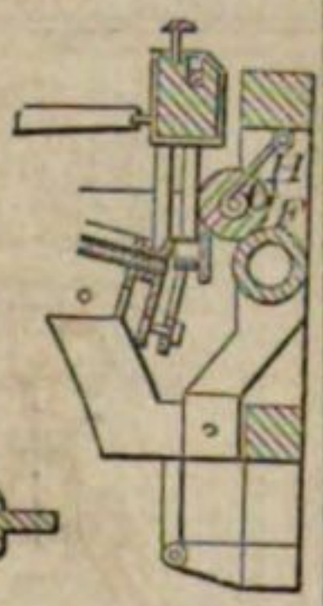
60387—R. Kitson—*For Opening and Cleaning Cotton.*



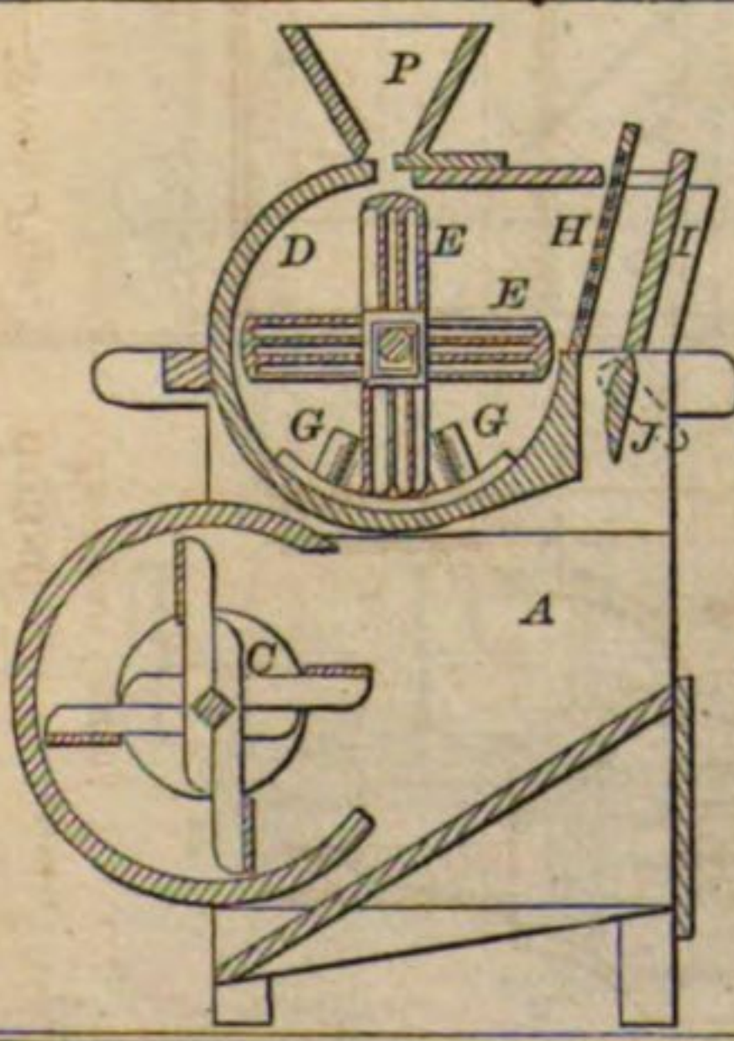
60384—E. H. Keith—*Car Coupling.*



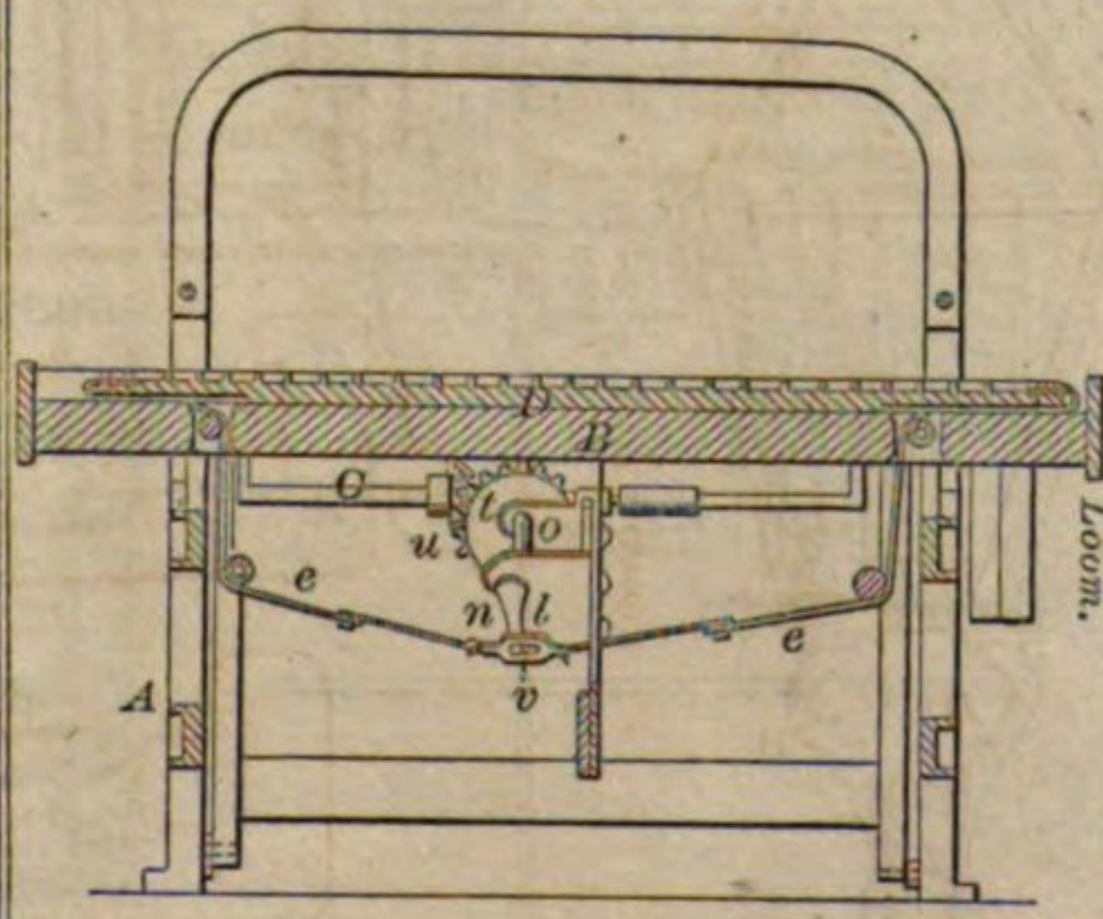




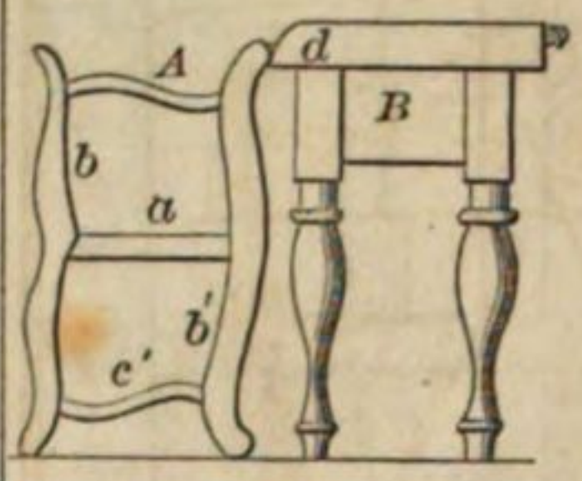
60385—B. Kemp—*Homing Mill.*



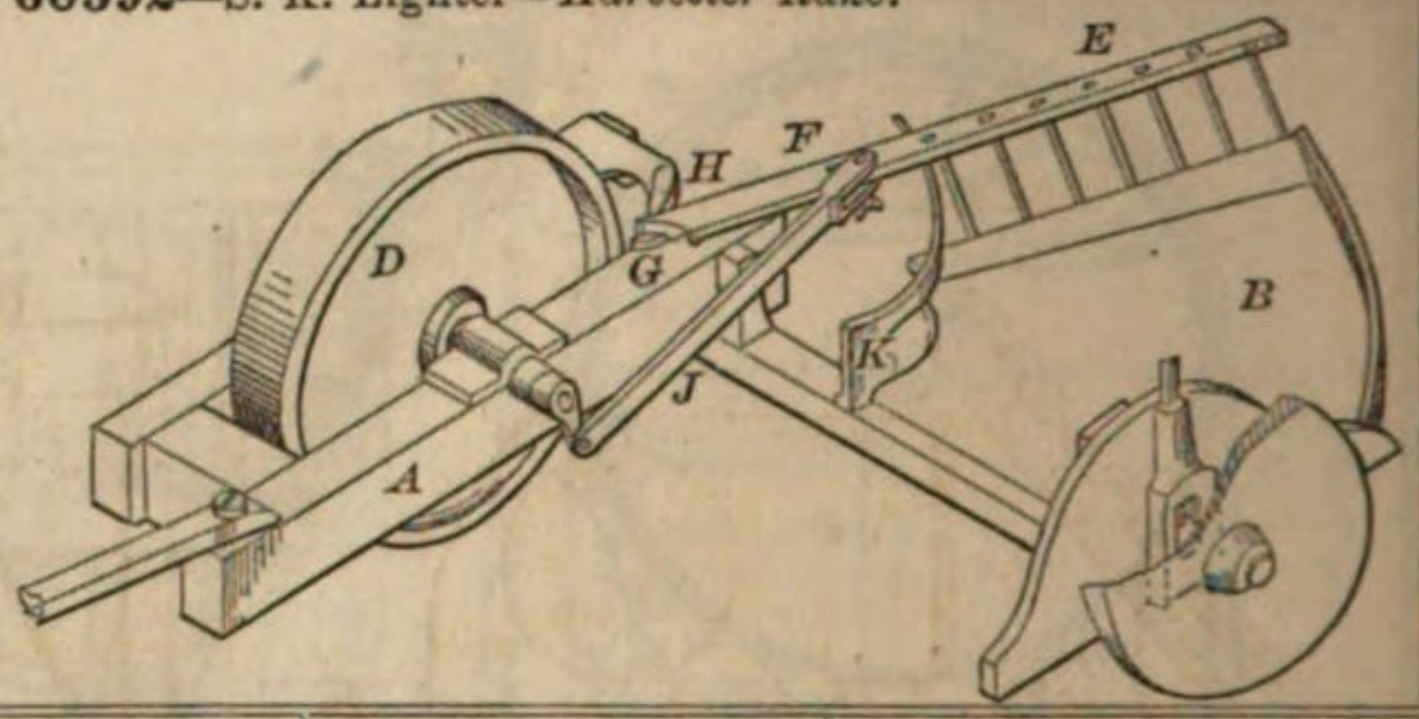
60388—L. J. Knowles—*Narrow Ware Loom.*



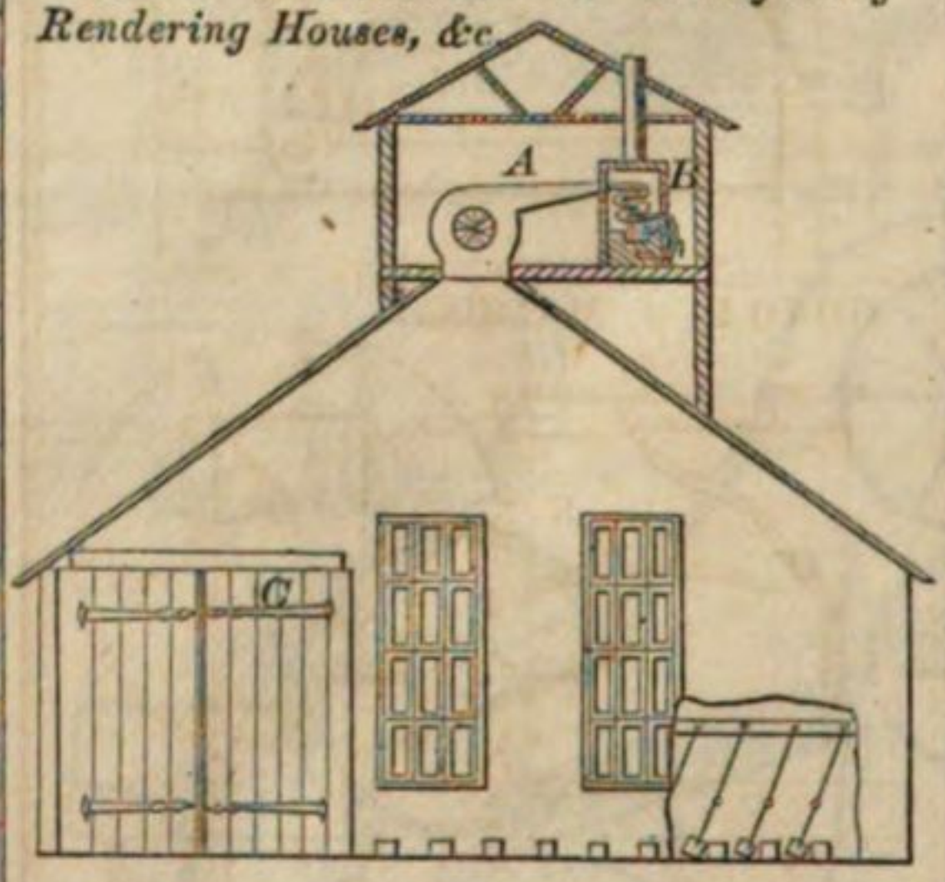
60389—J. Kopp—*Baby Chair and Table.*



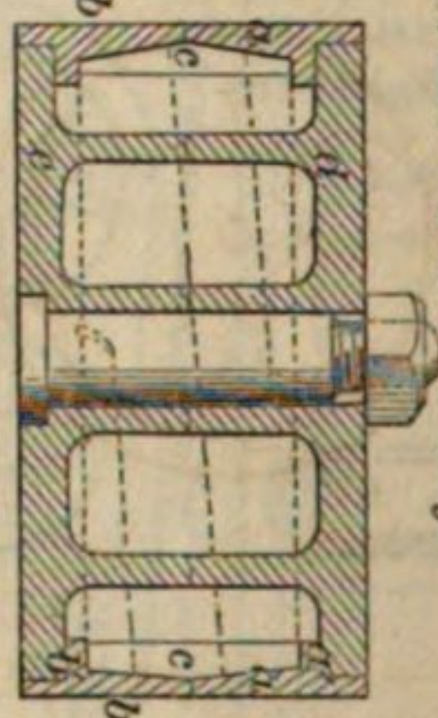
60392—S. K. Lighter—*Harvester Rake.*



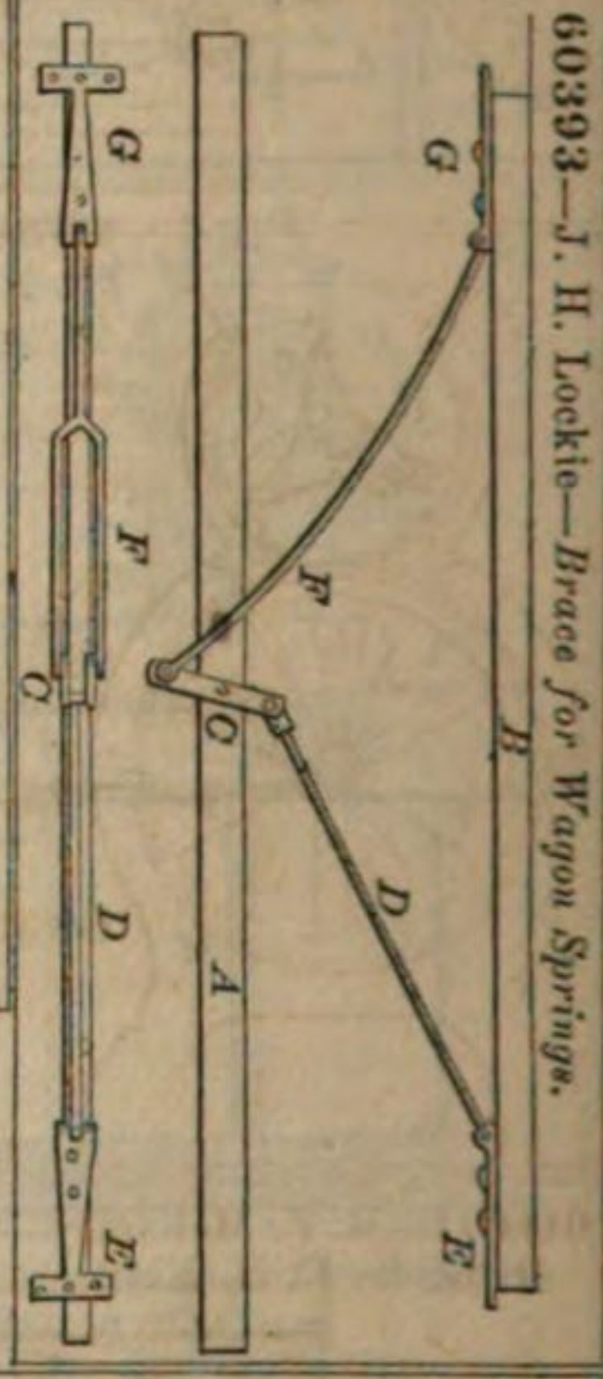
60394—R. B. Lockwood—*Disinfecting Rendering Houses, &c.*



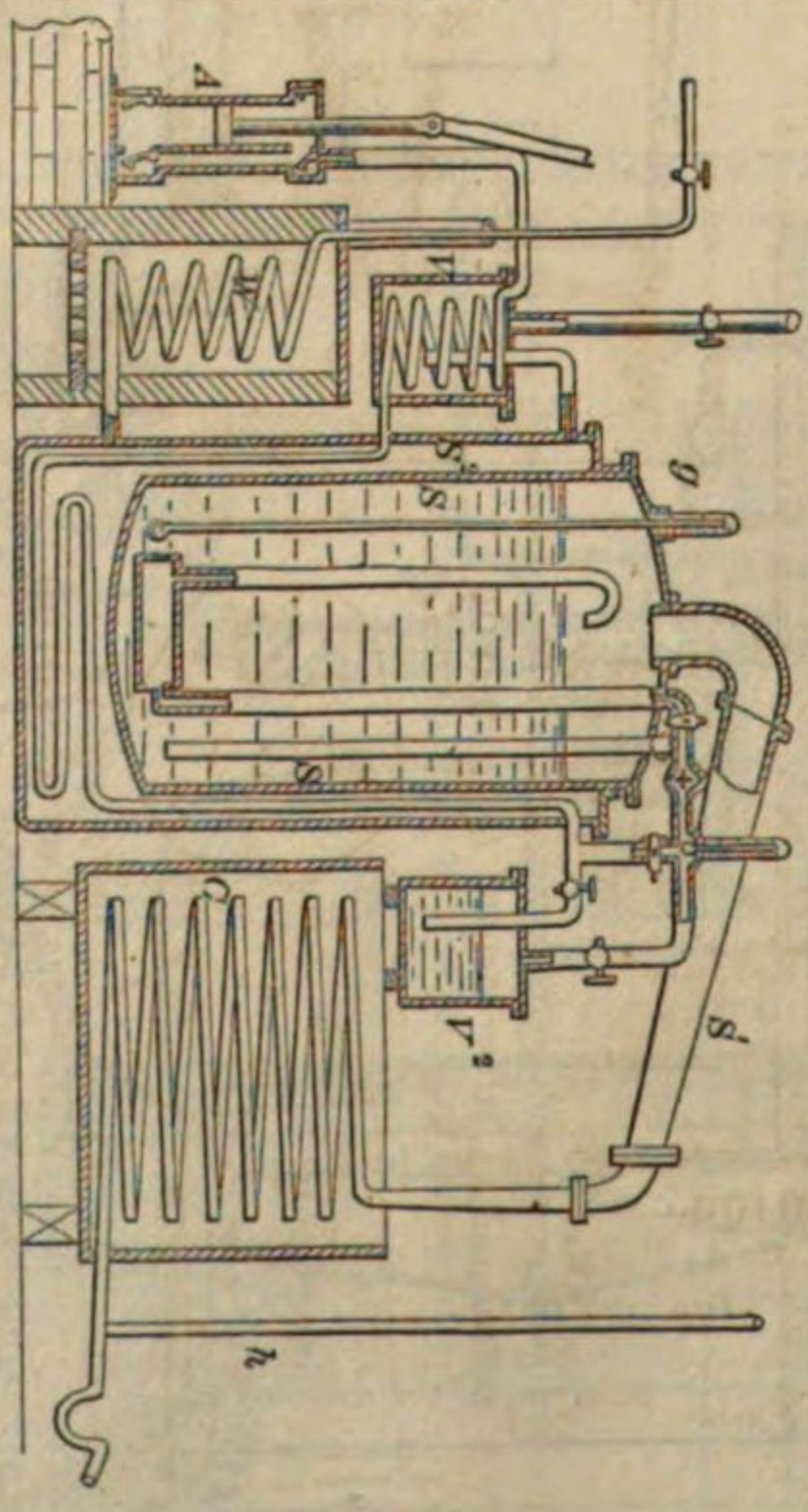
60395—B. Lowe—*Piston Packing.*



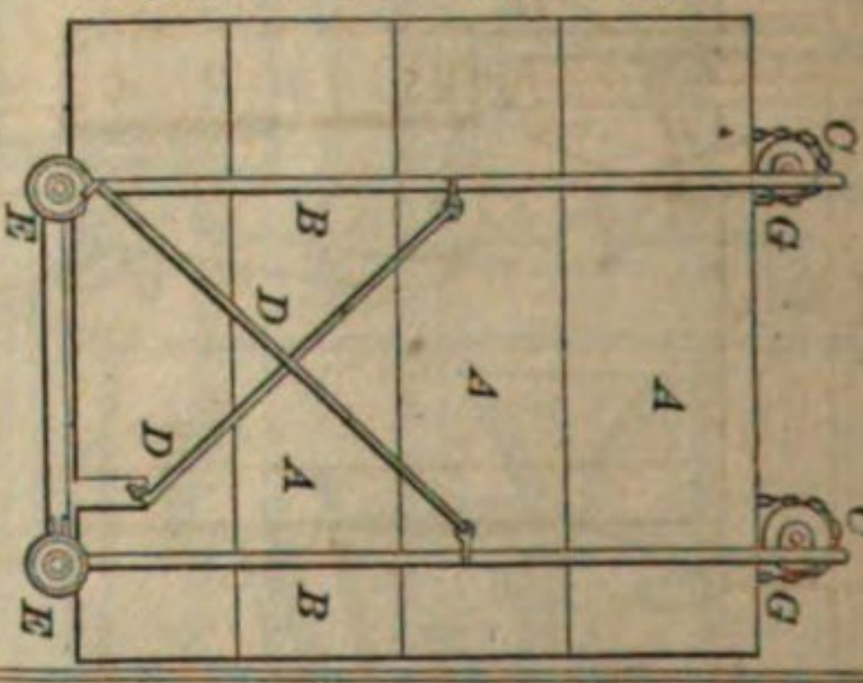
60393—J. H. Lockie—*Brace for Wagon Springs.*



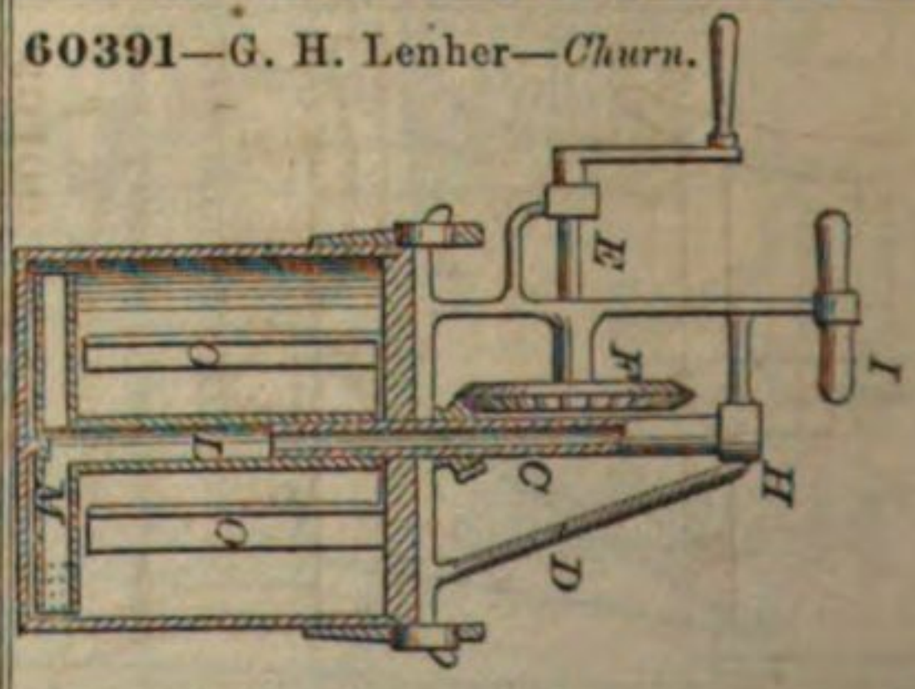
60396—Lugo & Schrader—*Distilling Petroleum Oils.*



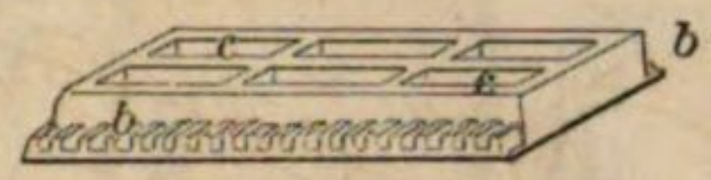
60390—J. Lee—*Fire Shield.*

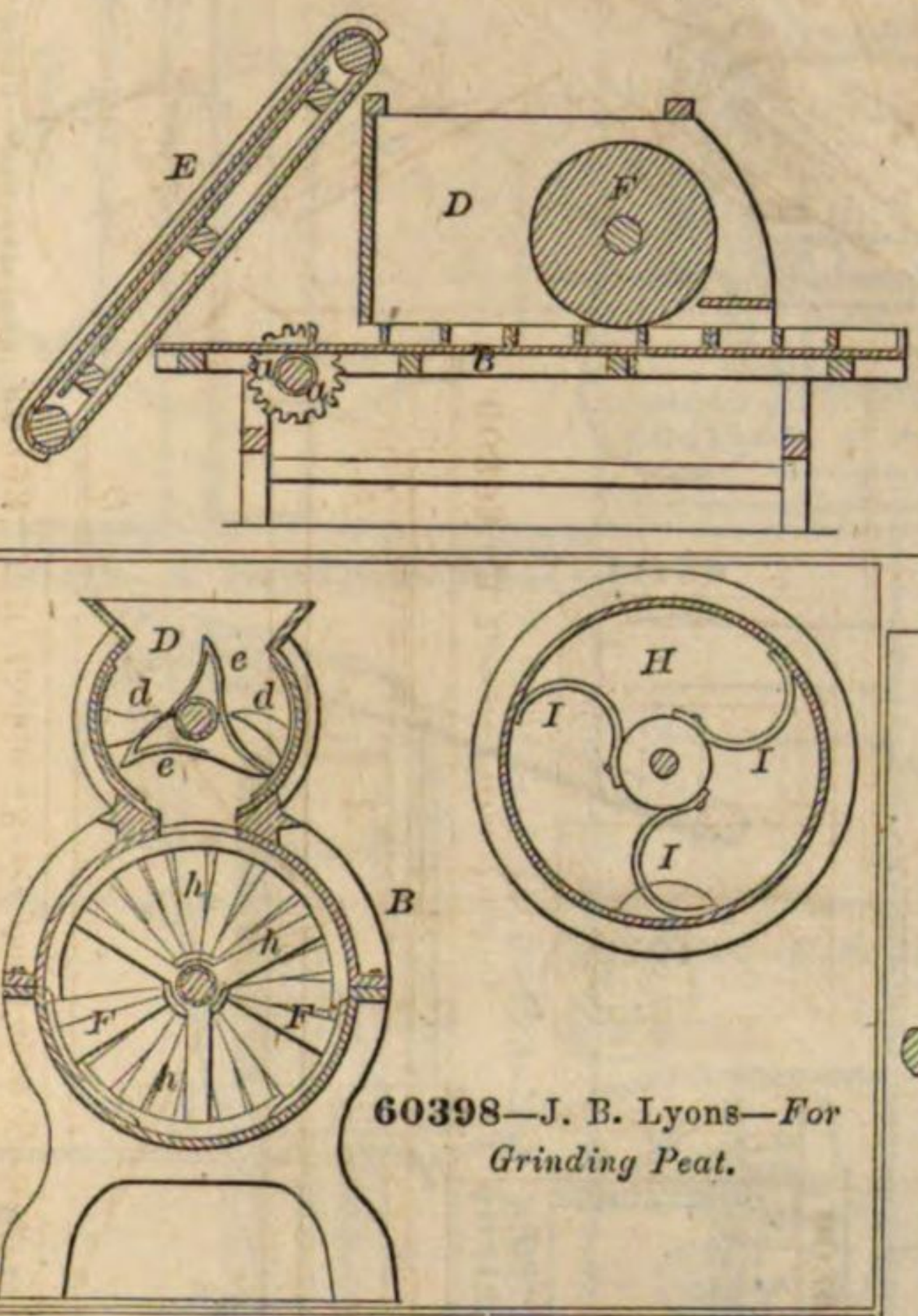


60391—G. H. Lenher—*Churn.*

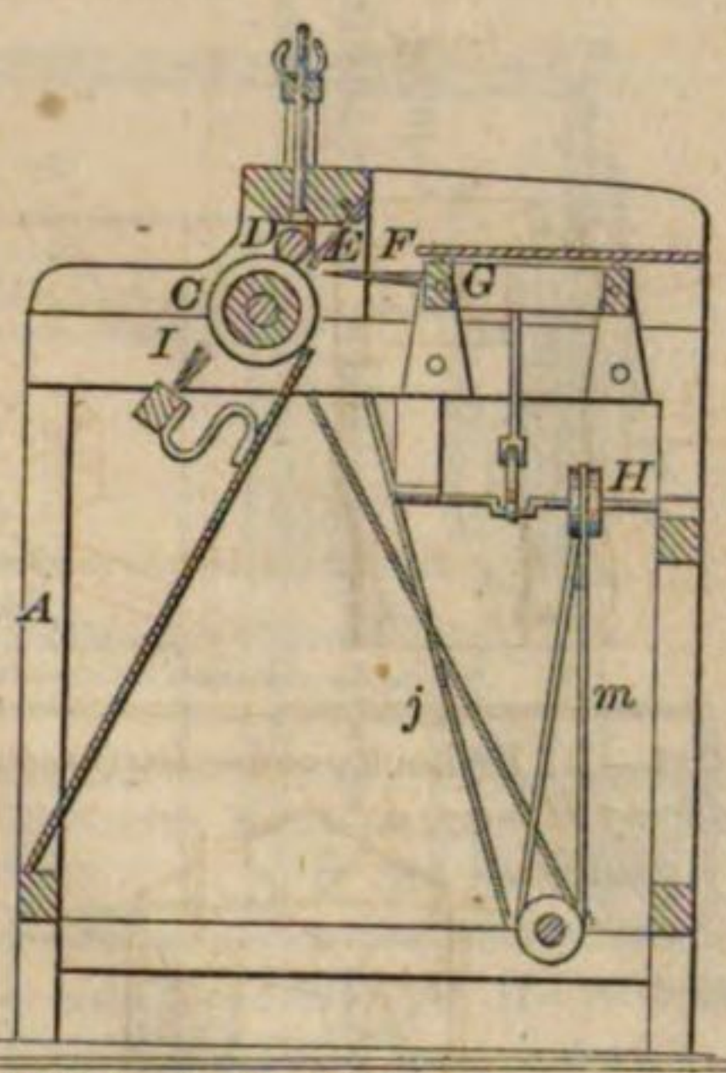


60397—J. B. Lyons—*Peat Machine.*



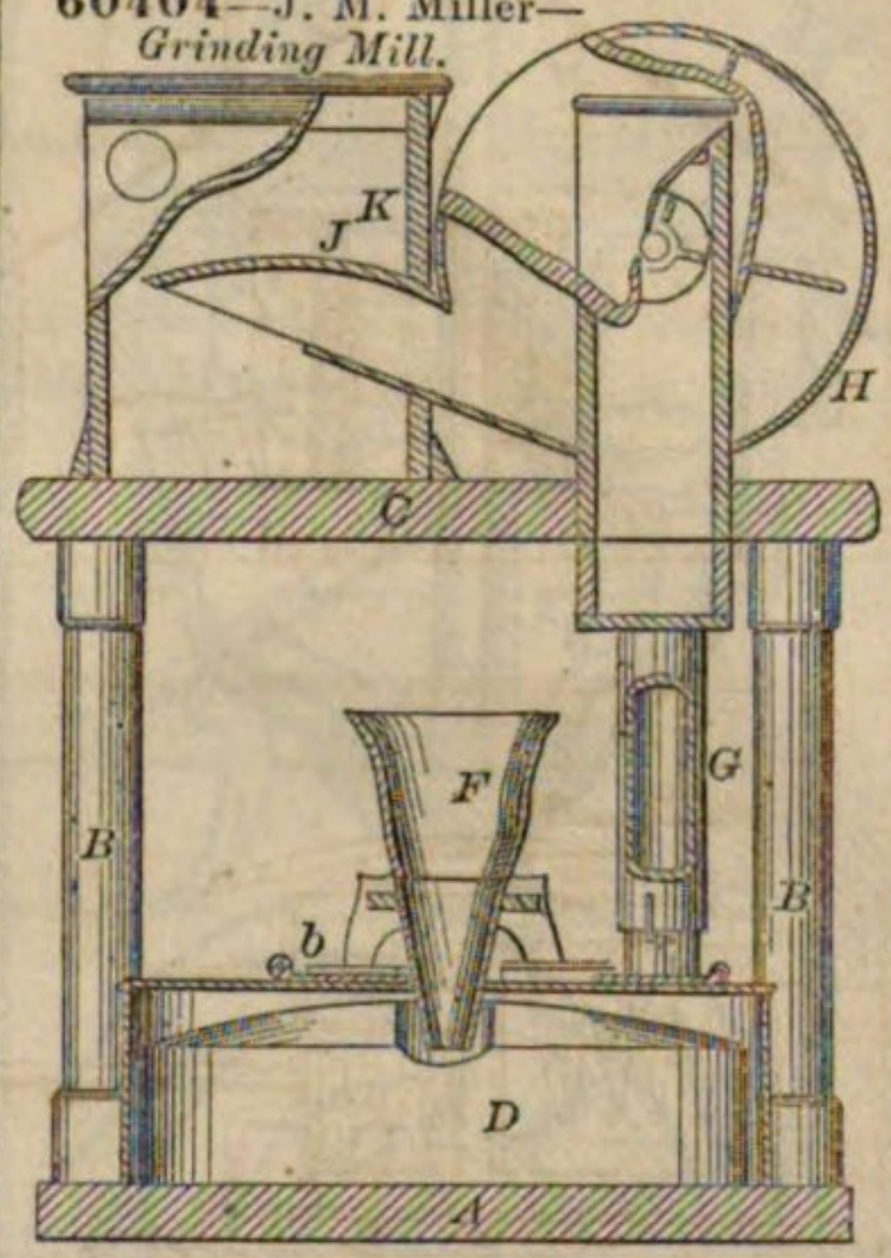


60402—E. M. McMeekin—*Cotton Gin.*

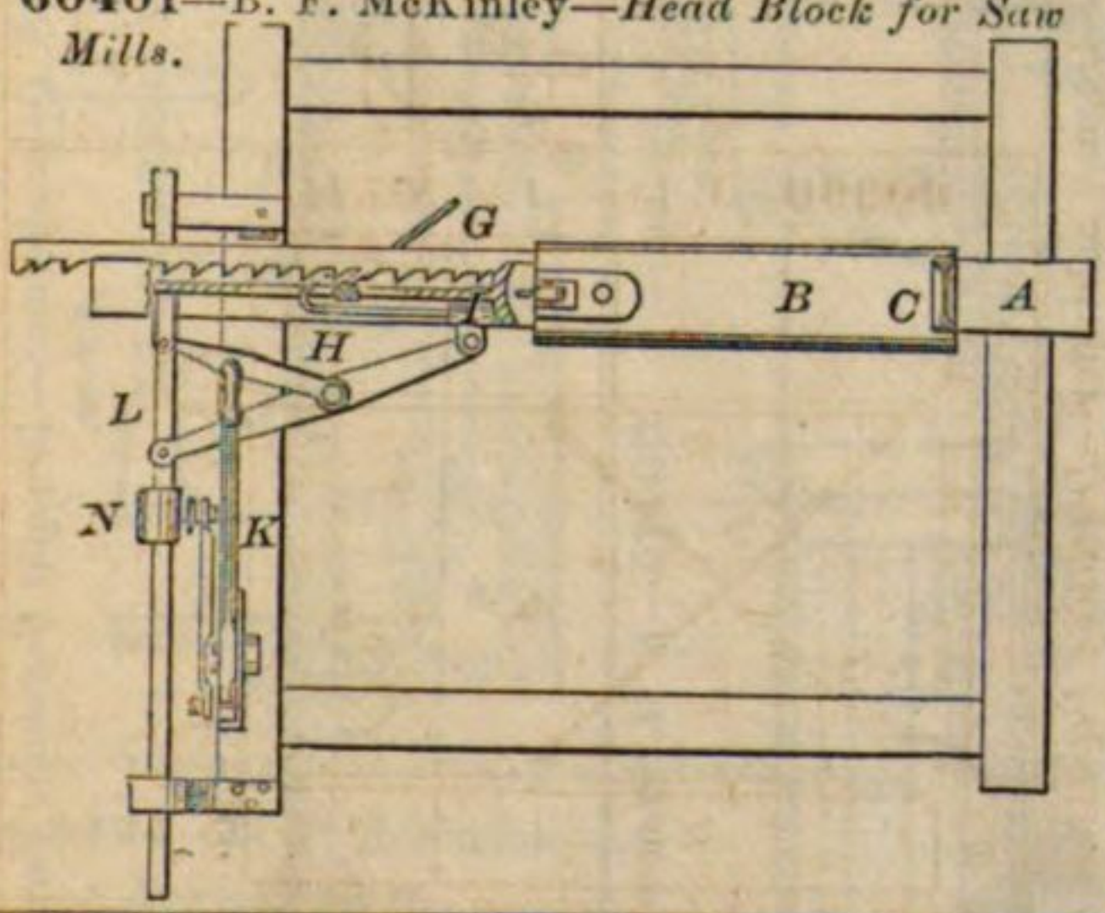


60398—J. B. Lyons—*For Grinding Peat.*

60404—J. M. Miller—*Grinding Mill.*

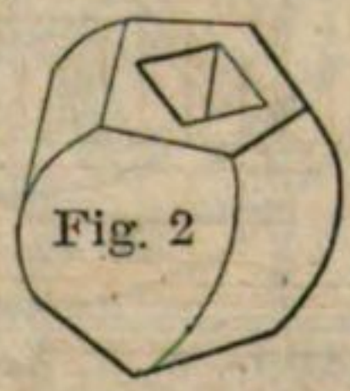


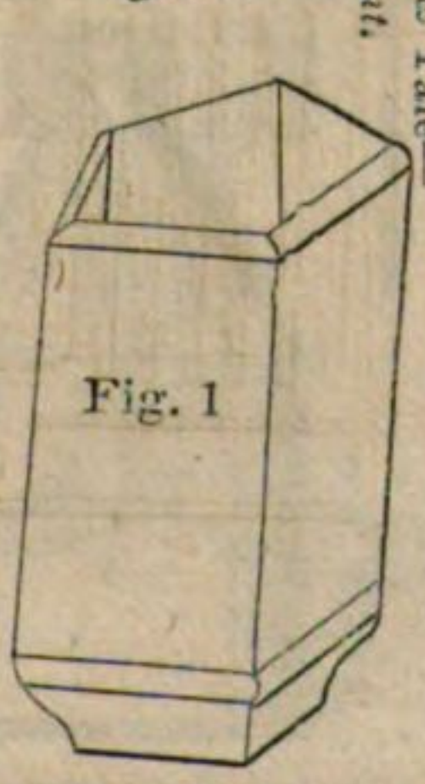
60401—B. F. McKinley—*Head Block for Saw Mills.*



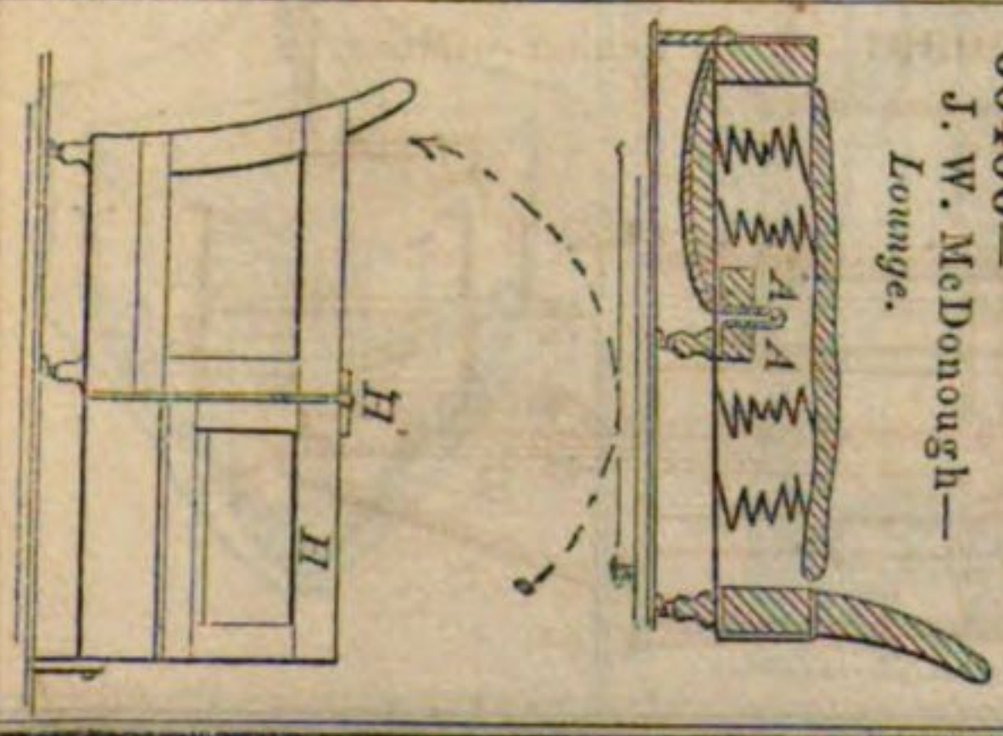
60405—L. H. Miller—*Safe.*

60403—Mears & Yale—*Knuckle Joint.*

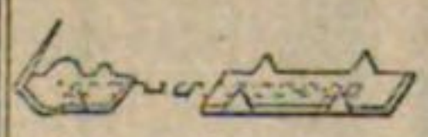




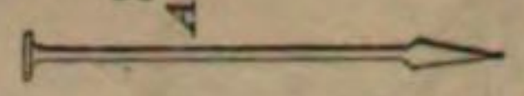
60400—J. W. McDonough—*Lounge.*



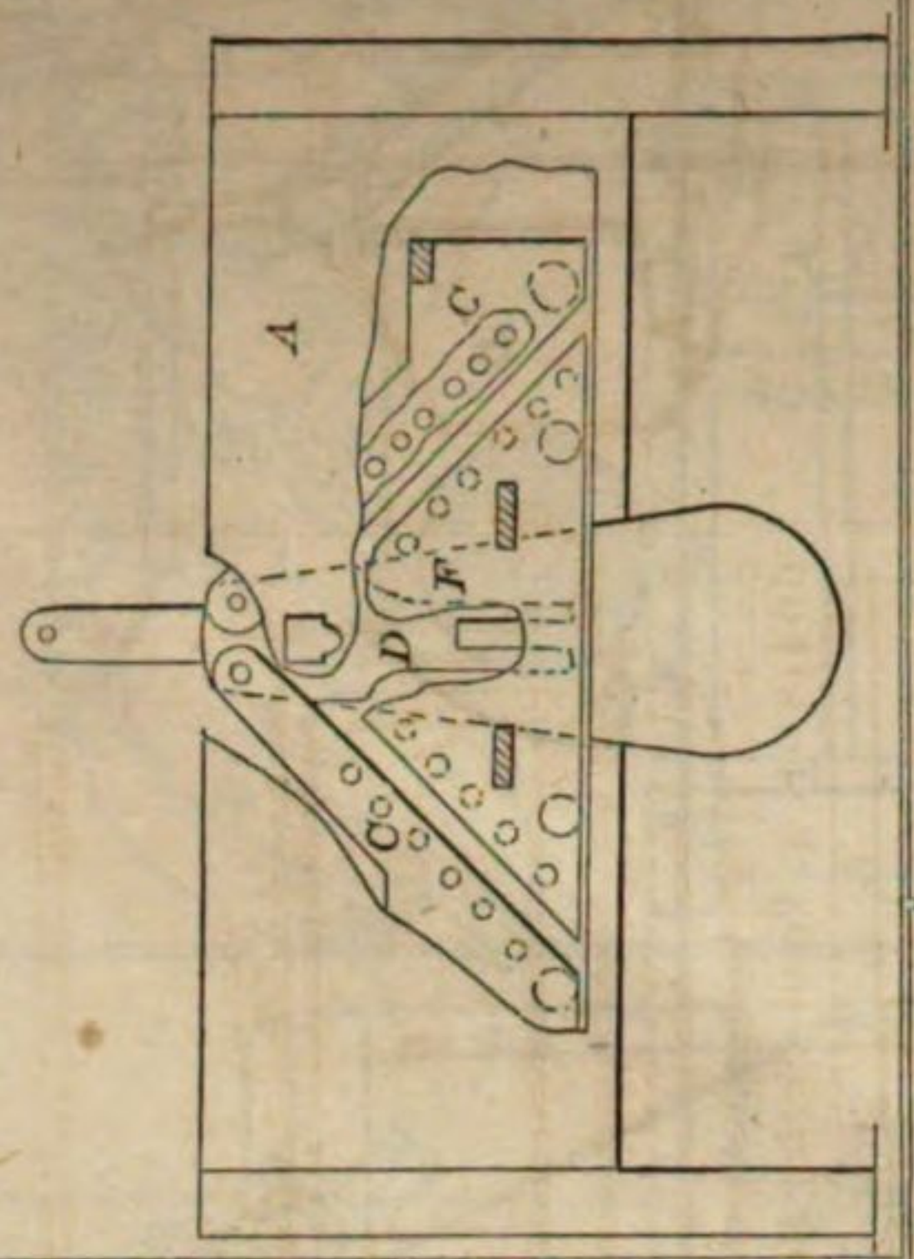
60406—C. A. Moore—*Tag.*



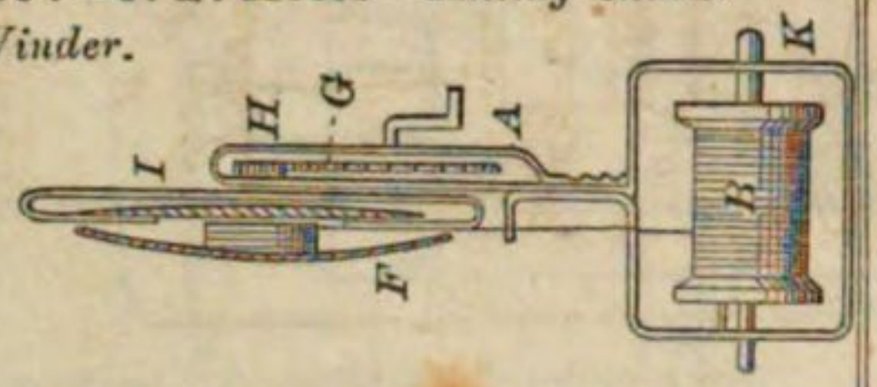
60411—R. J. Nunn—*Pin for Wearing Apparel.*



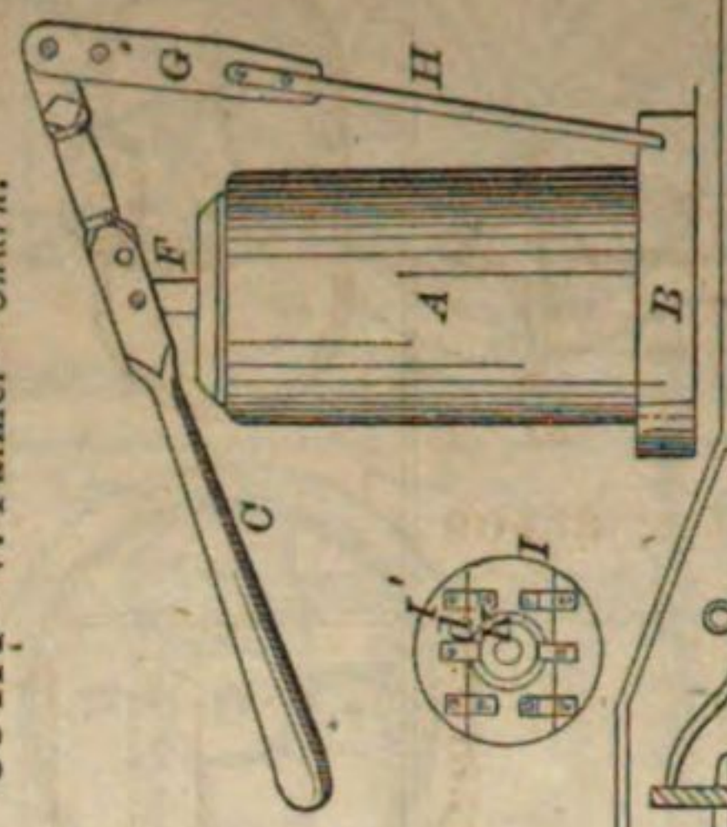
60410—L. L. Newman—*Washing Machine.*



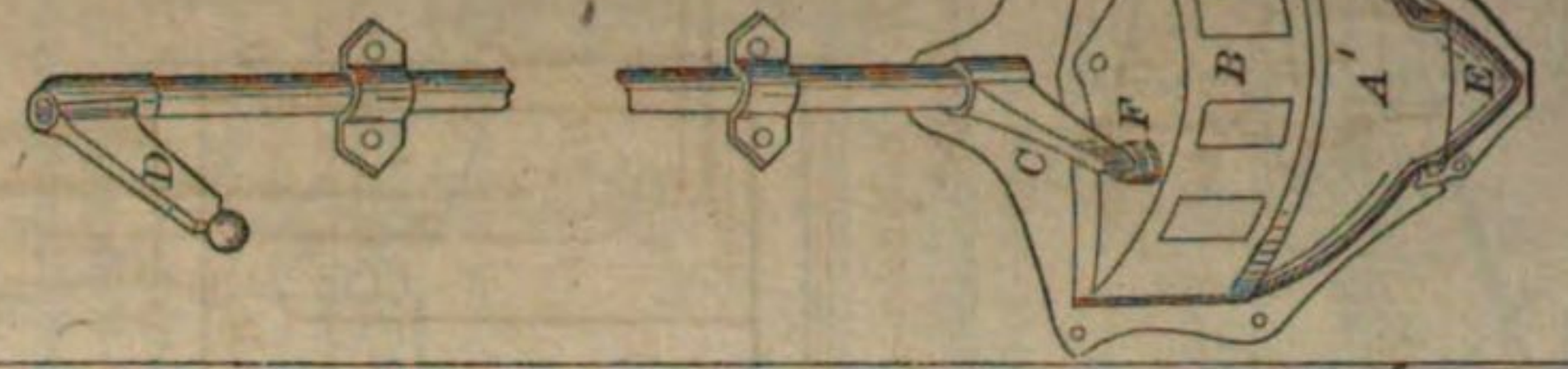
60407—J. D. Moore—*Tatting Shuttle Winder.*



60414—V. Palmer—*Churn.*

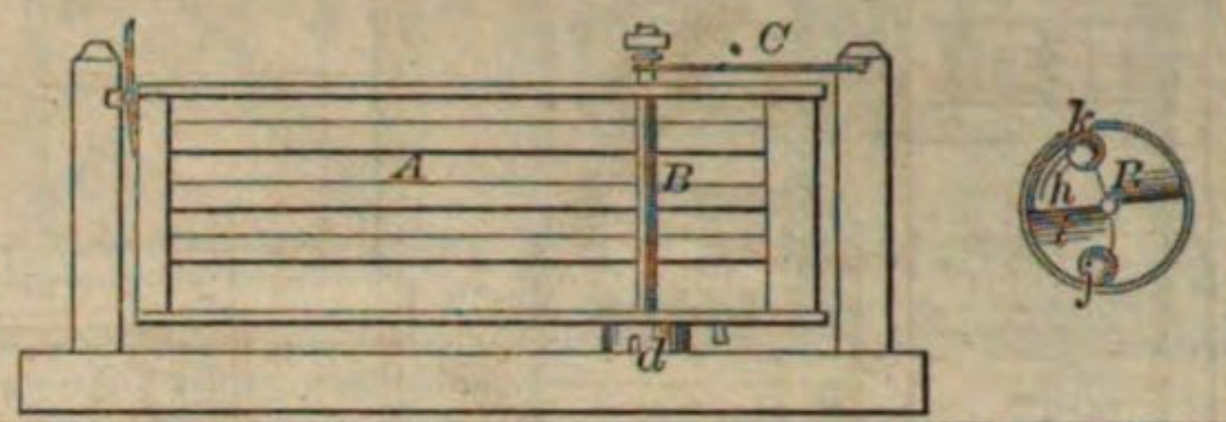


60412—S. Oppenheimer—*Draught Regulator for Stoves.*

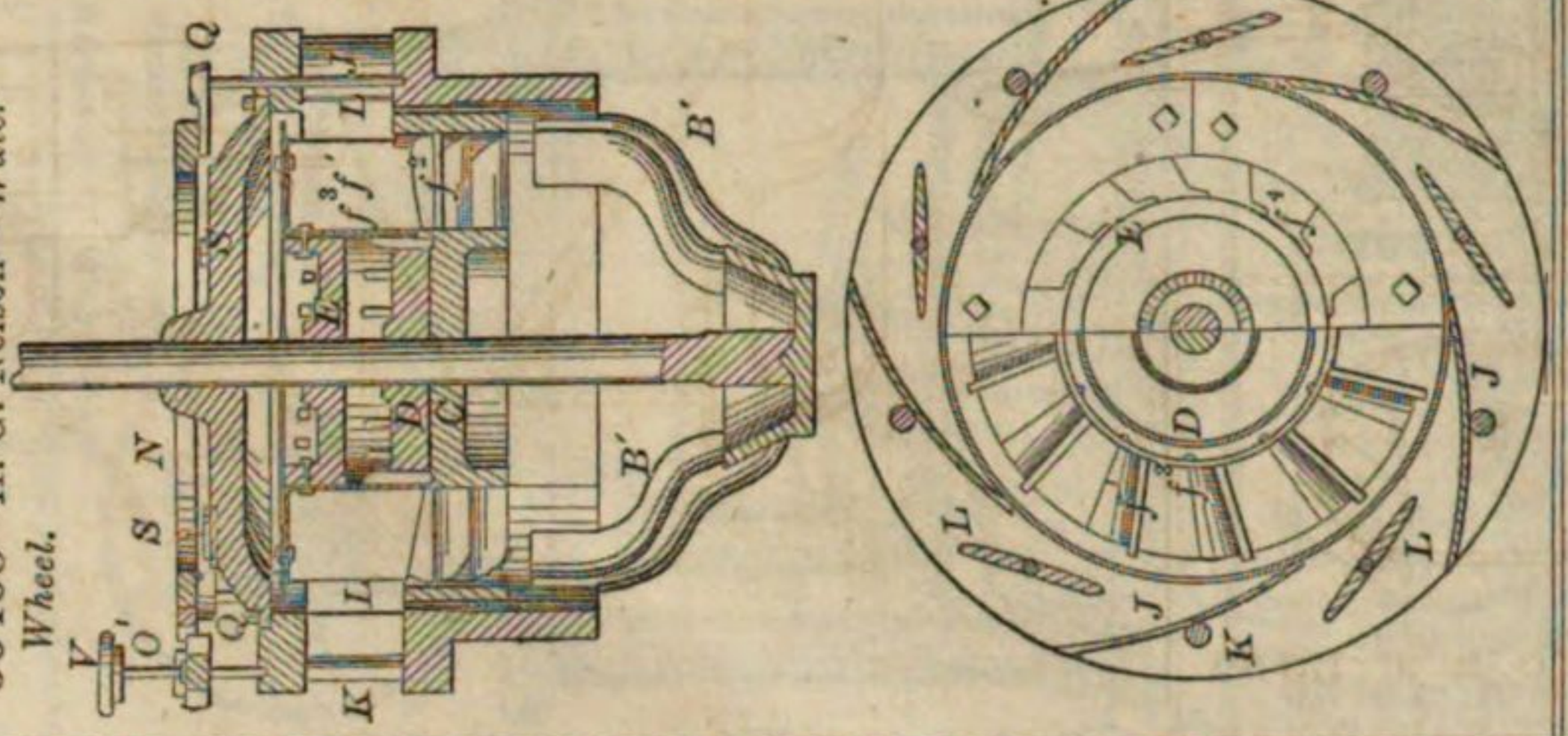


60413—J. L. Ordner—*Dumping Wagon.*

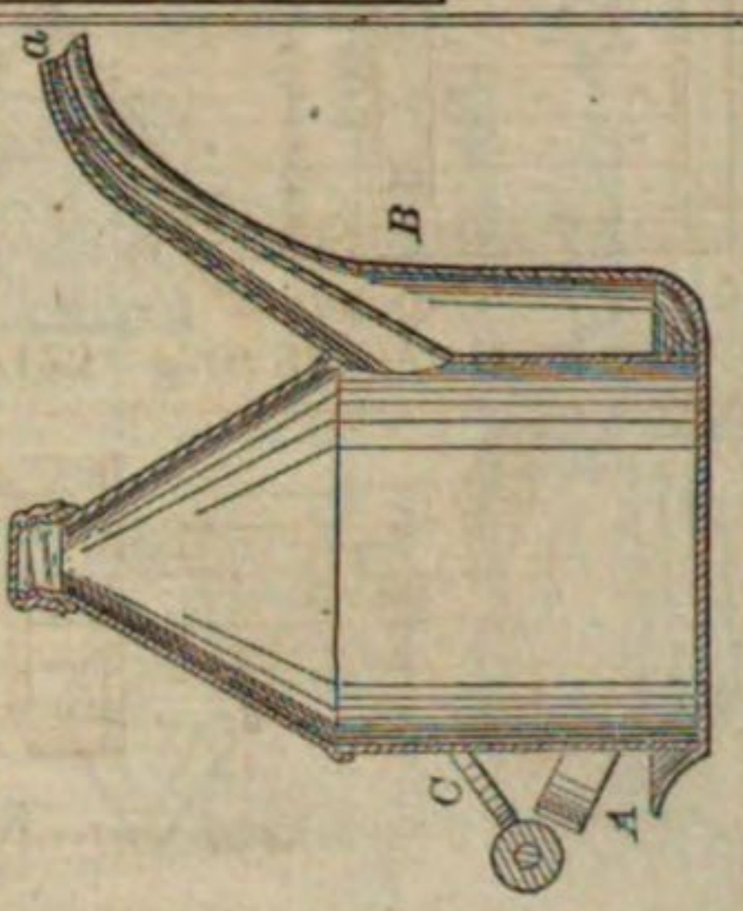
60415—E. H. Peck—*Farm Gate.*



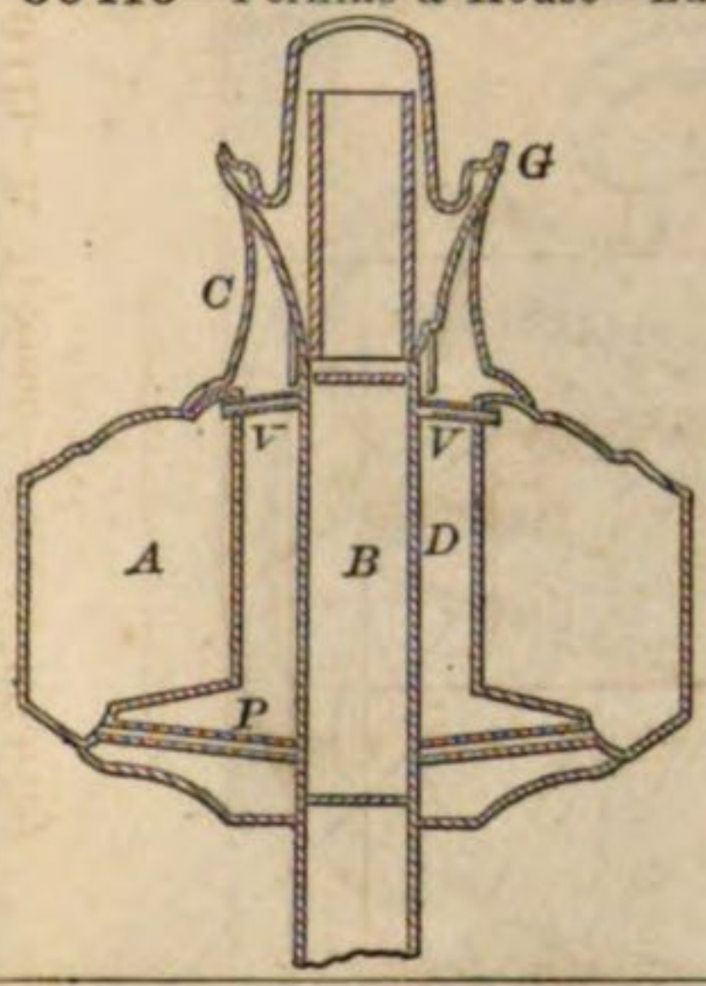
60408—H. G. Nelson—*Water Wheel.*



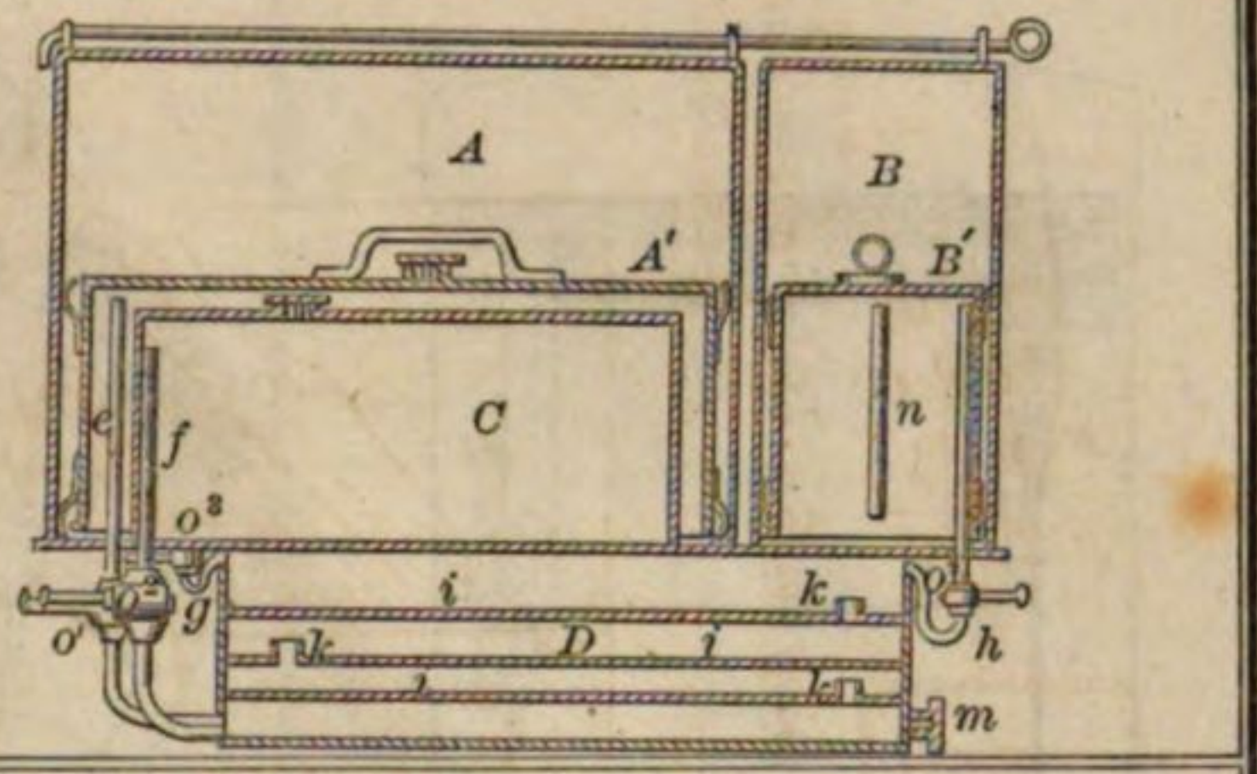
60409—W. C. Newkirk—*Oil Can.*



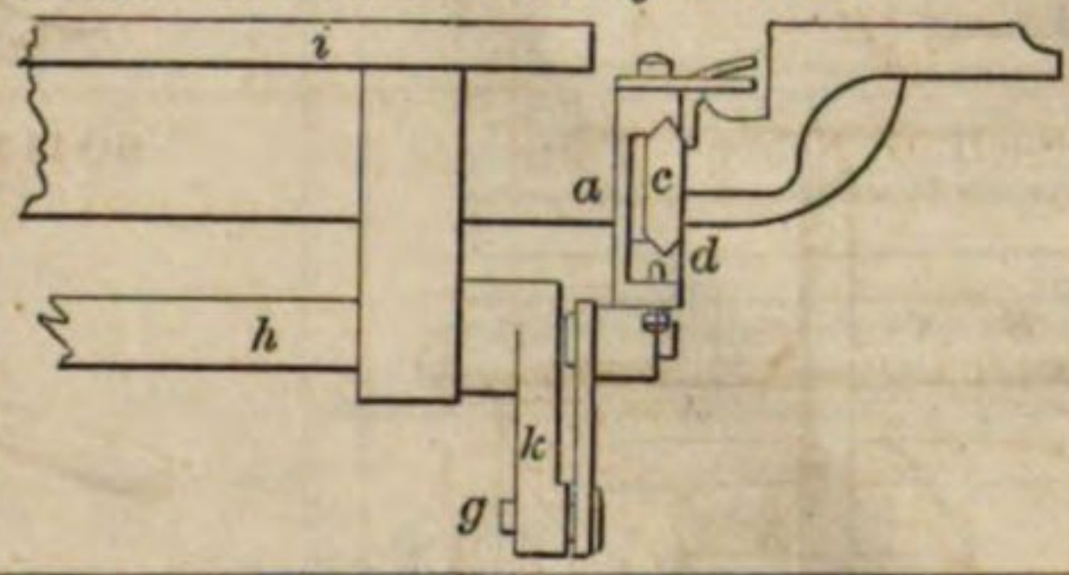
60416—Perkins & House—*Lamp*



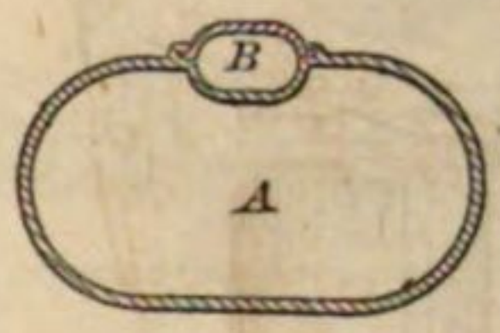
60417—B. Pickering—*For Charging Air with Gasoline.*



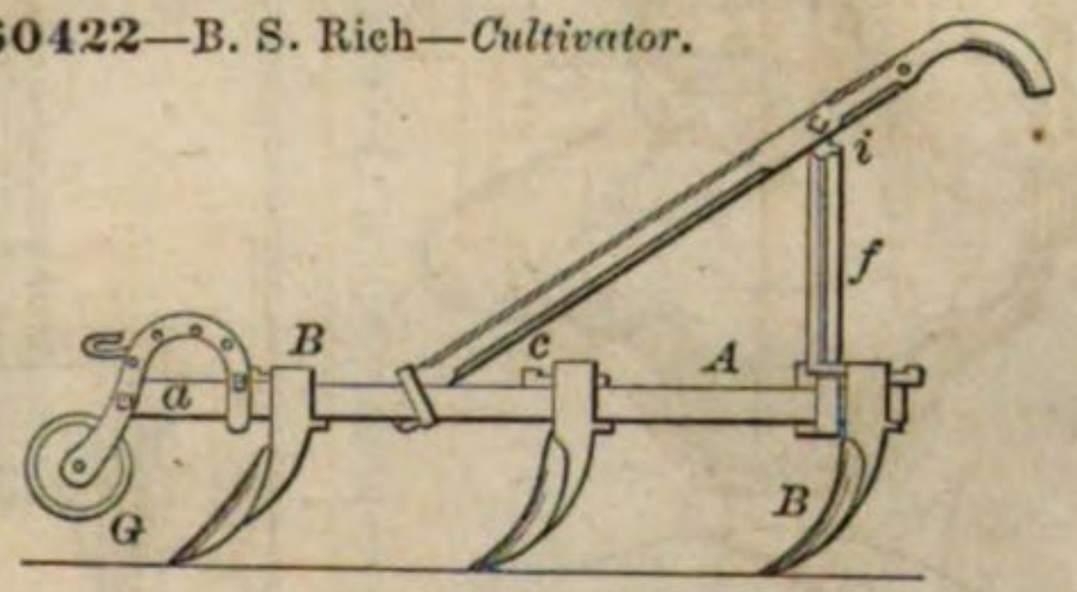
60418—F. A. Pratt—*Sewing Machine.*



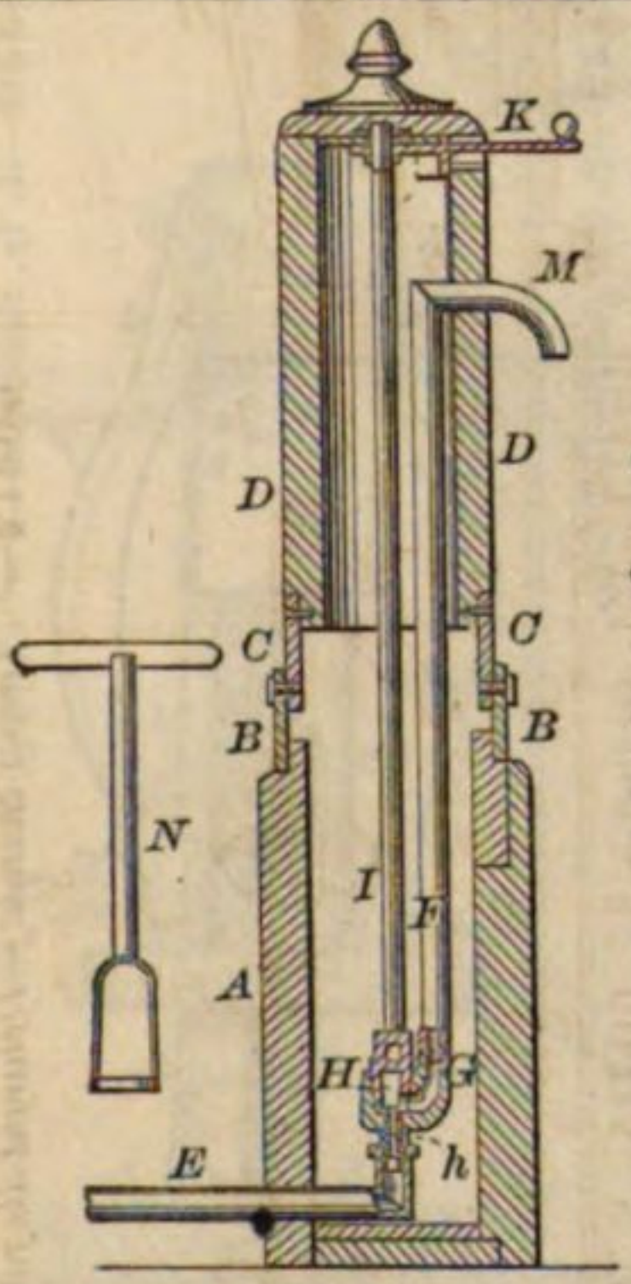
60419—M. Pratt—*Stove Boiler.*

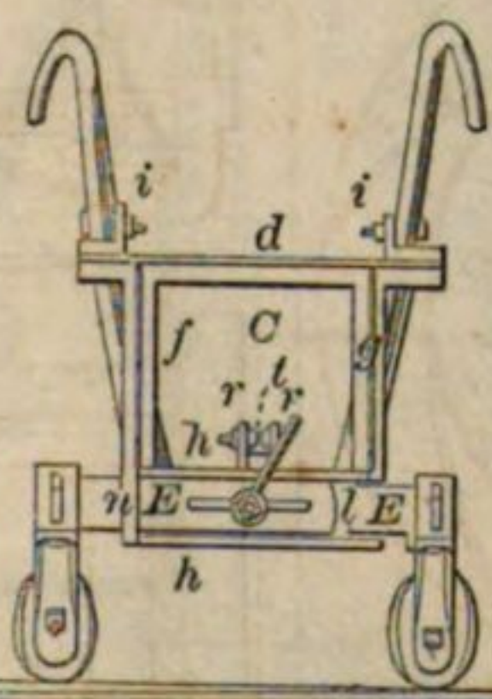


60422—B. S. Rich—*Cultivator.*

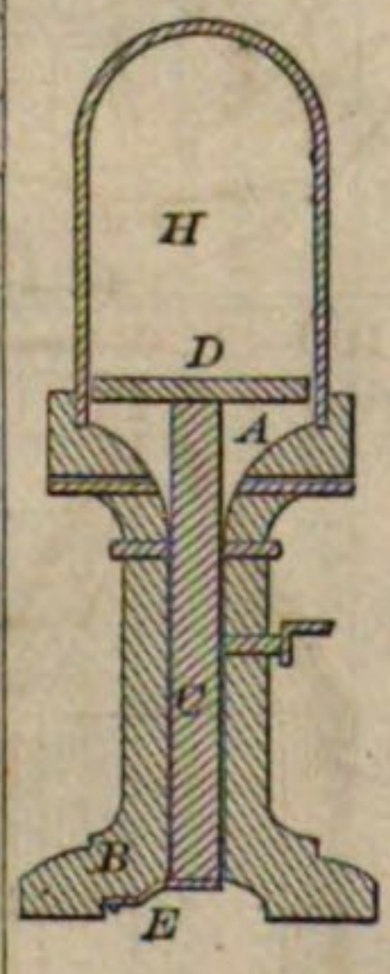


60423—J. P. Riley—*Hydrant.*



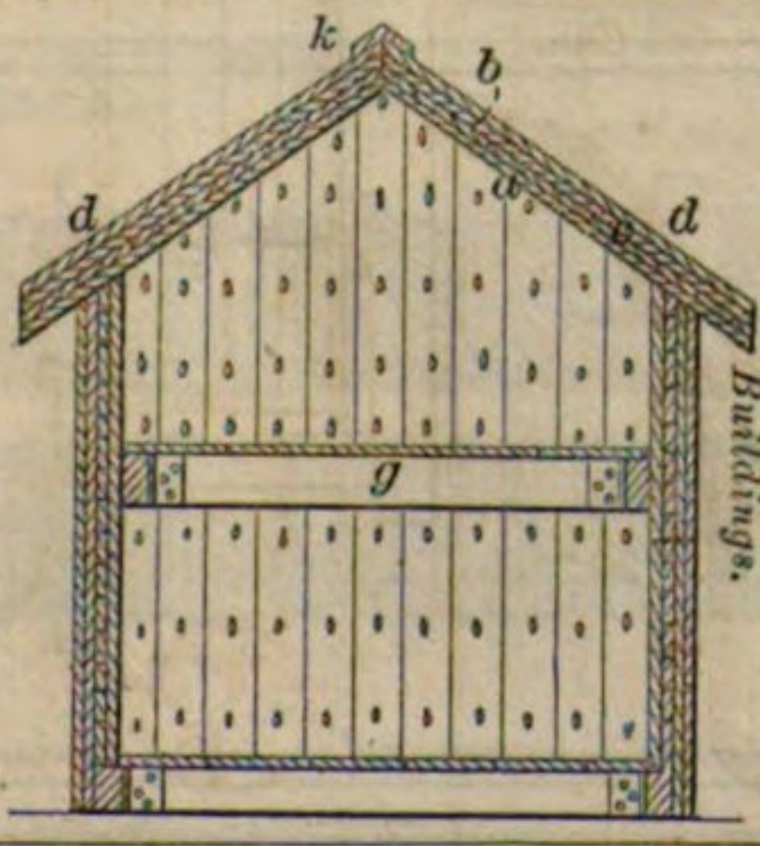


60421—E. W. Quincy—*Dice Box.*

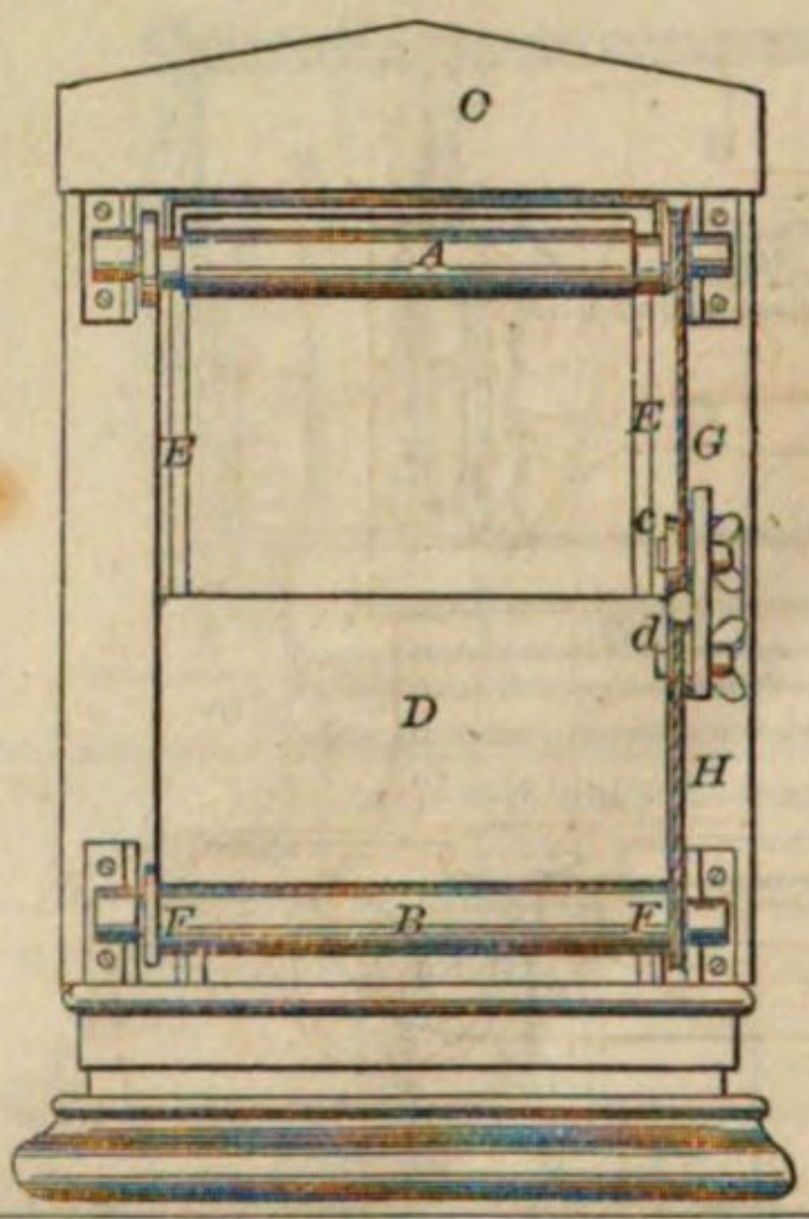


60424—D. T. Robinson—*Bottle Stopper.*

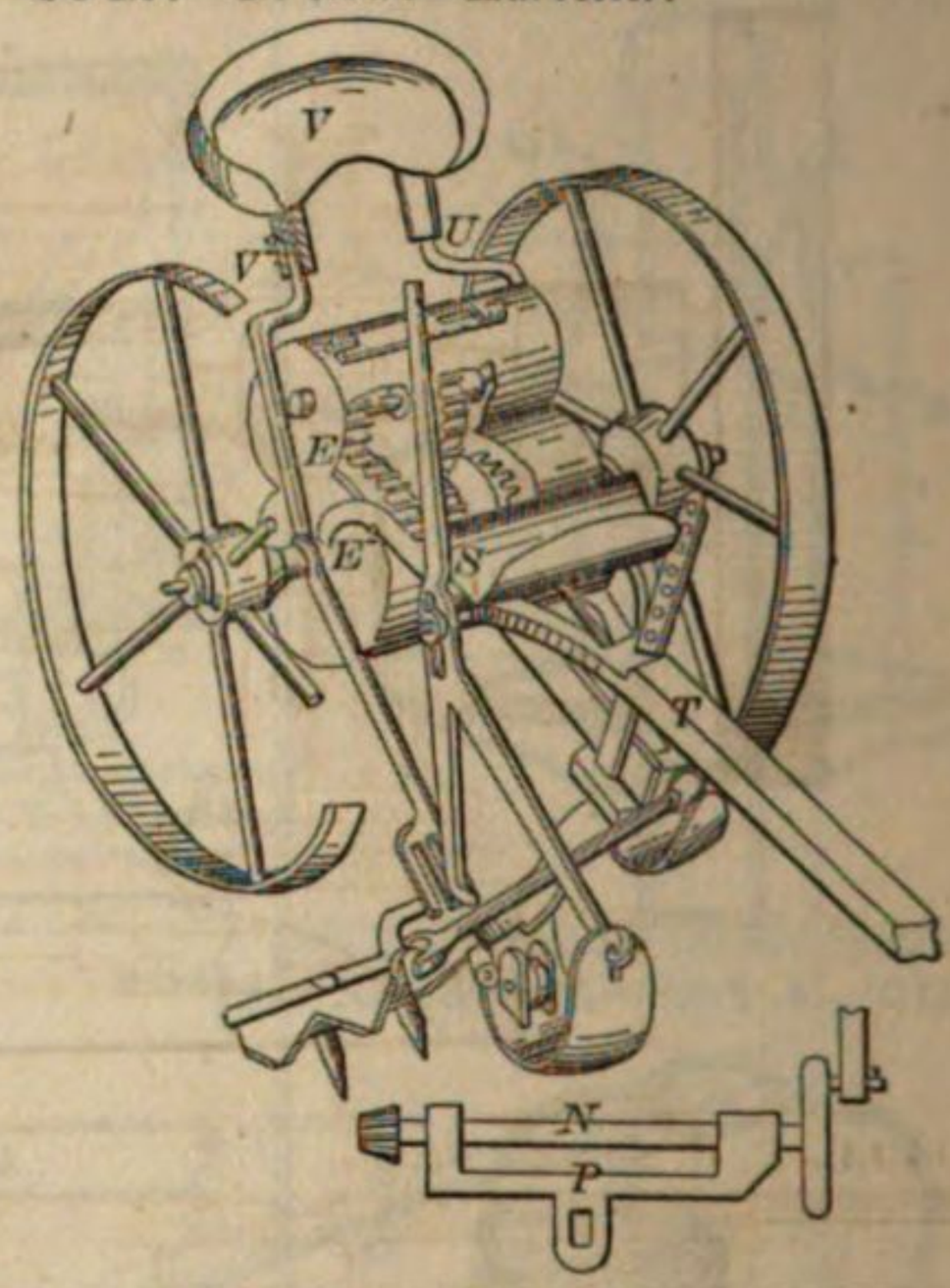
60425—F. O. Rogers—*Constructing Buildings.*



60426—L. Ross—*Curtain Fixture.*

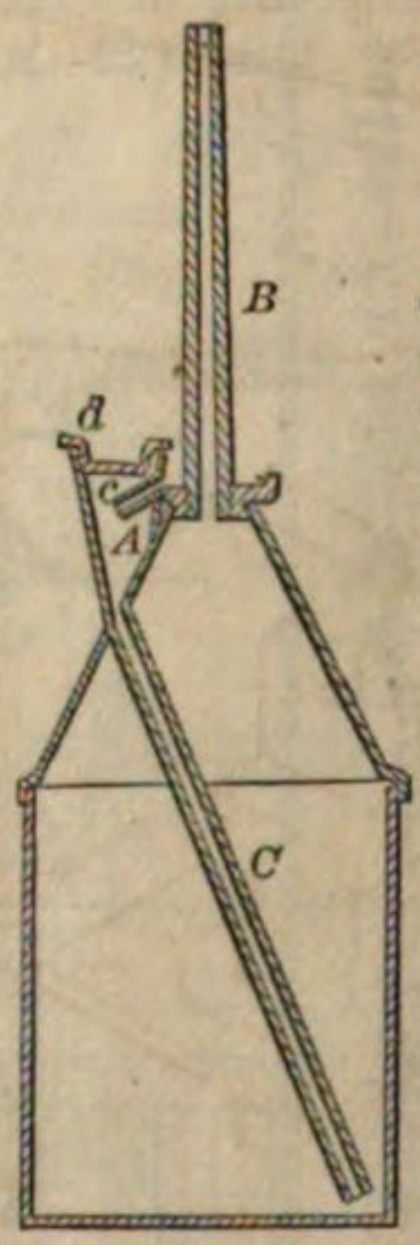


60427—N. Rowe—*Harvester.*

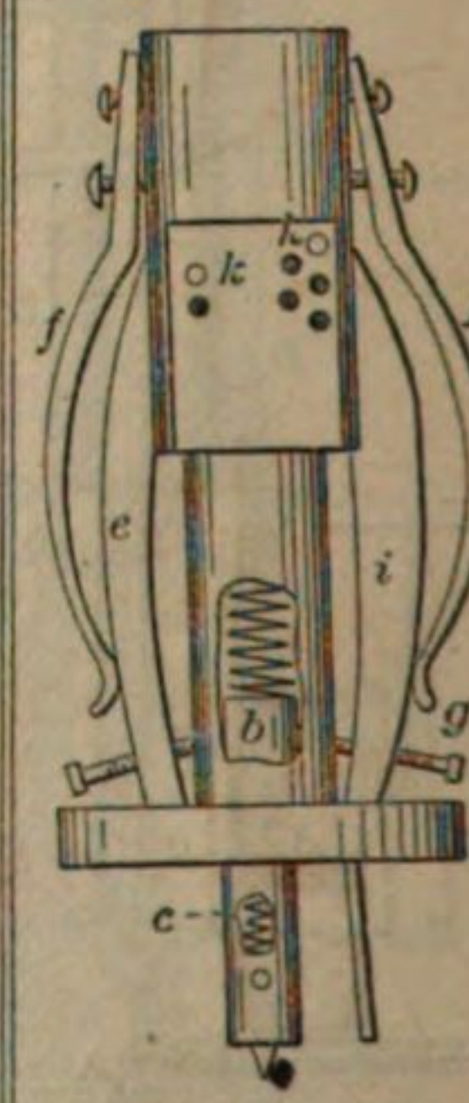


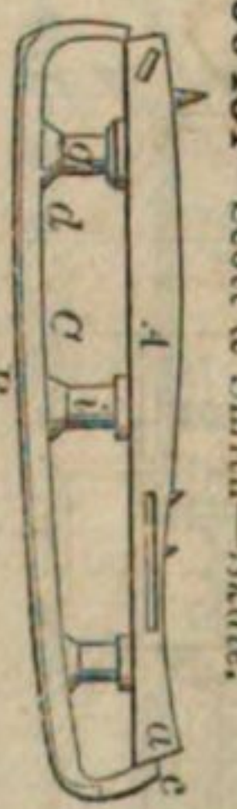
60428—C. D. Rutherford—*Corset.*

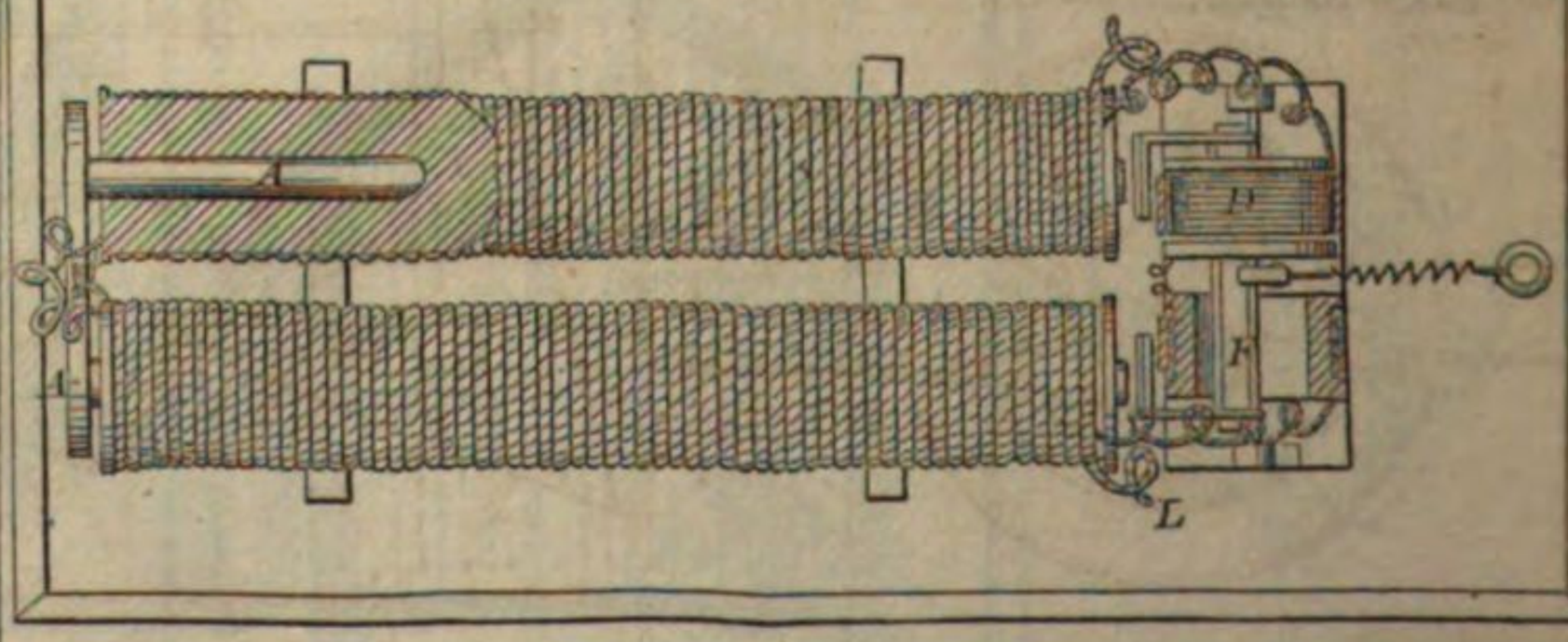
60429—S. Sargent—*Oil Can.*



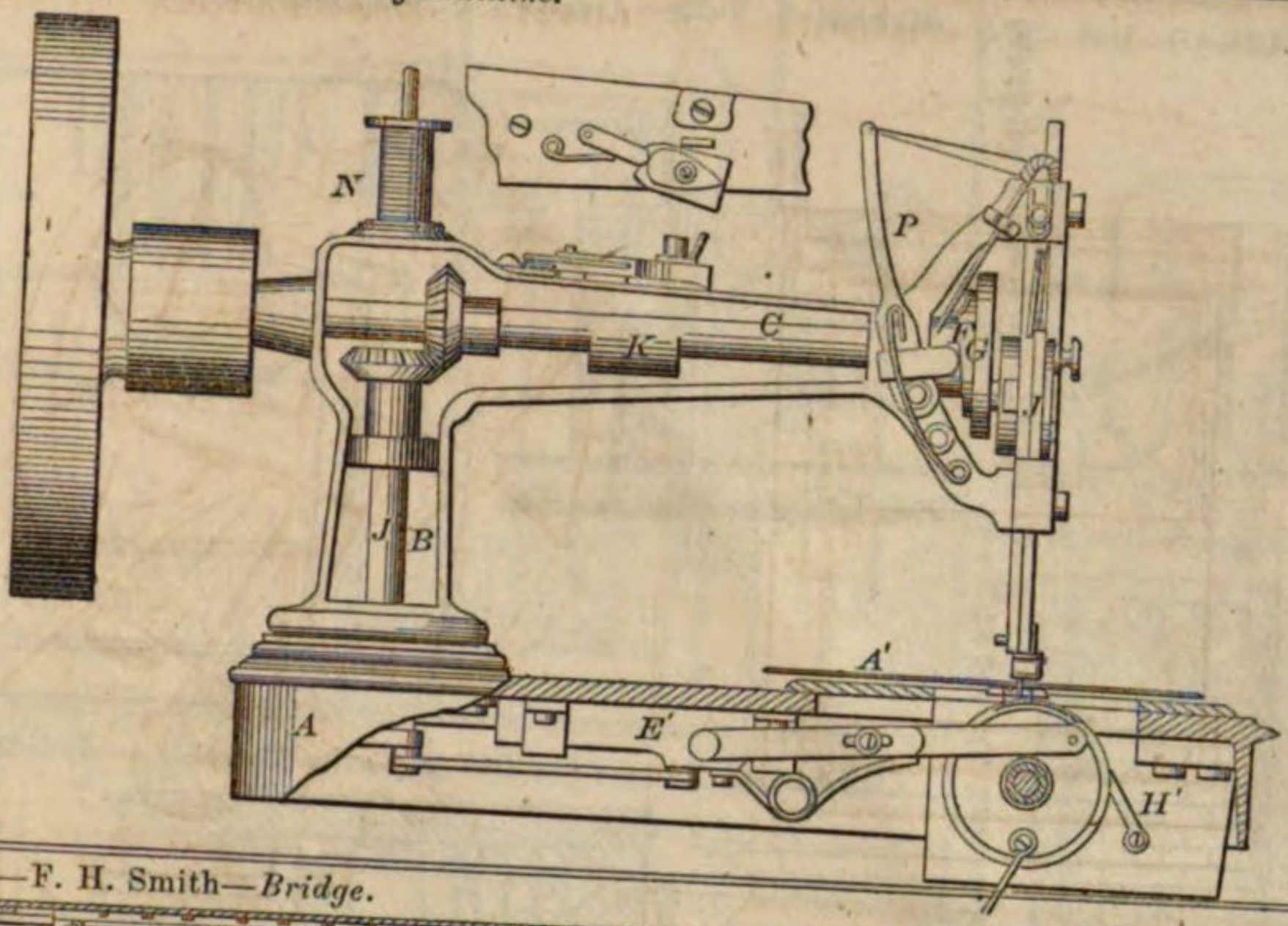
60430—J. G. Schmidt—*For Cutting Bungs for Barrels.*



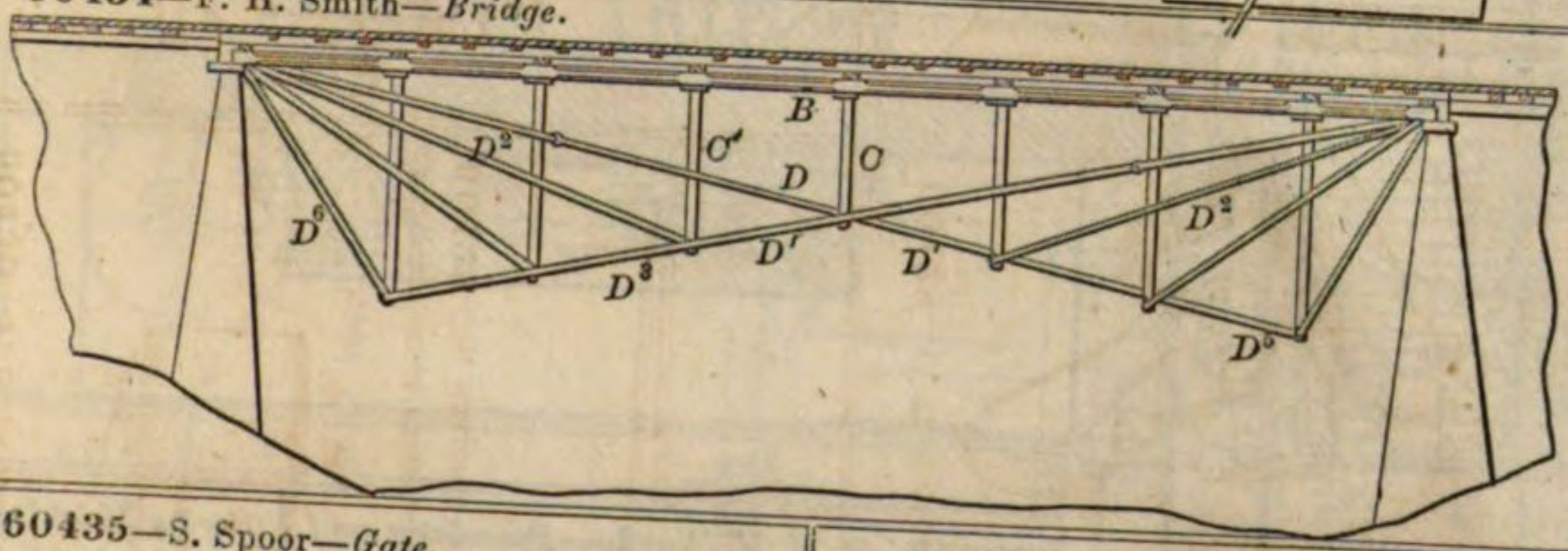
60431—Scott & Smith—*Skate.*

60432—T. P. Shaffner—*Magnet for Teleyraph.*



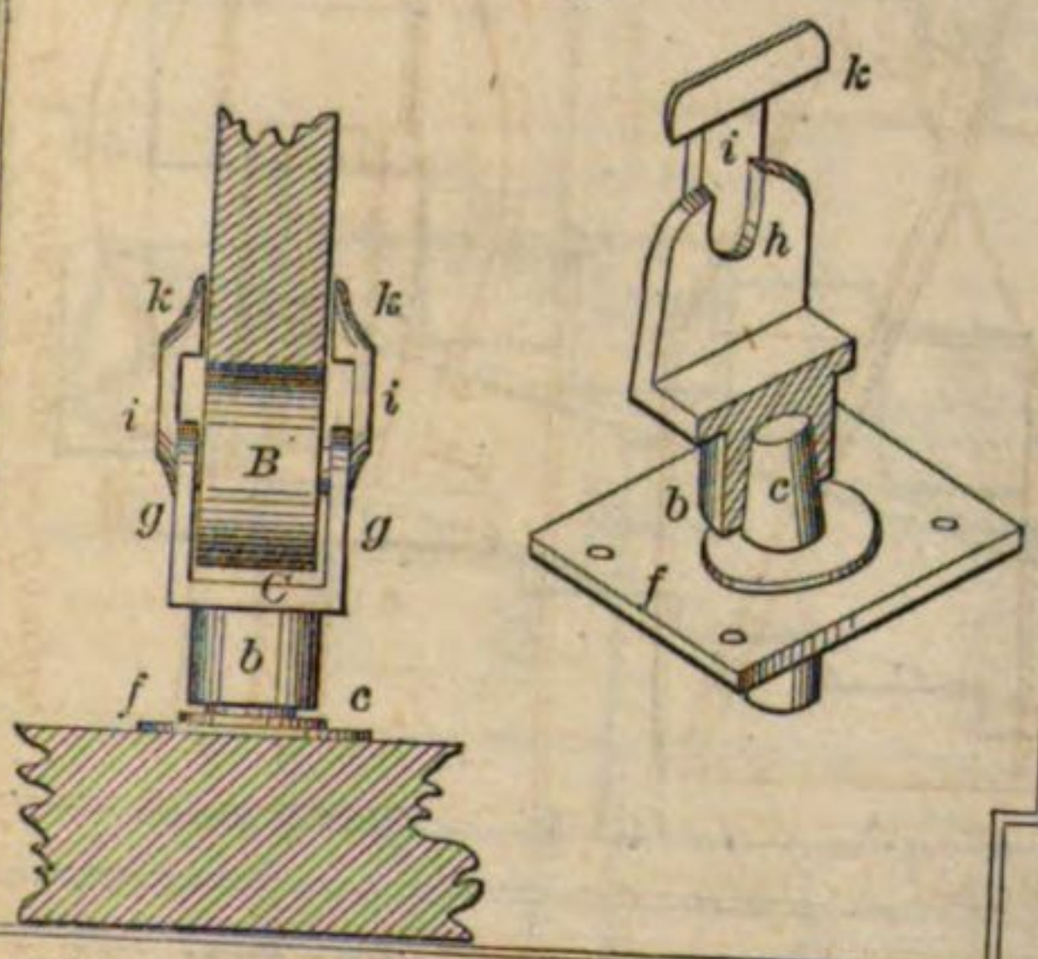
60433—I. M. Singer—*Sewing Machine.*



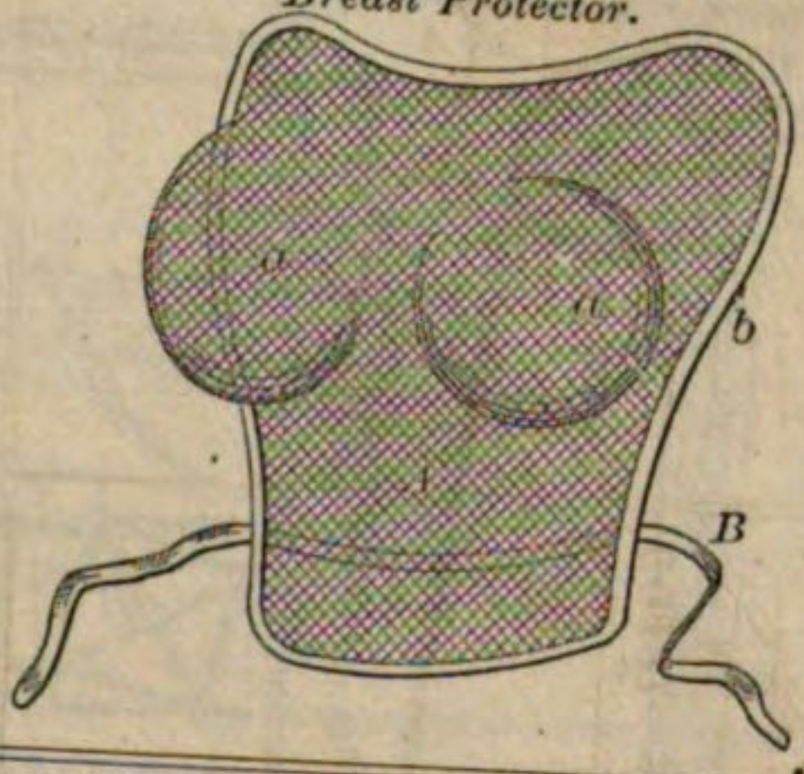
60434—F. H. Smith—*Bridge.*



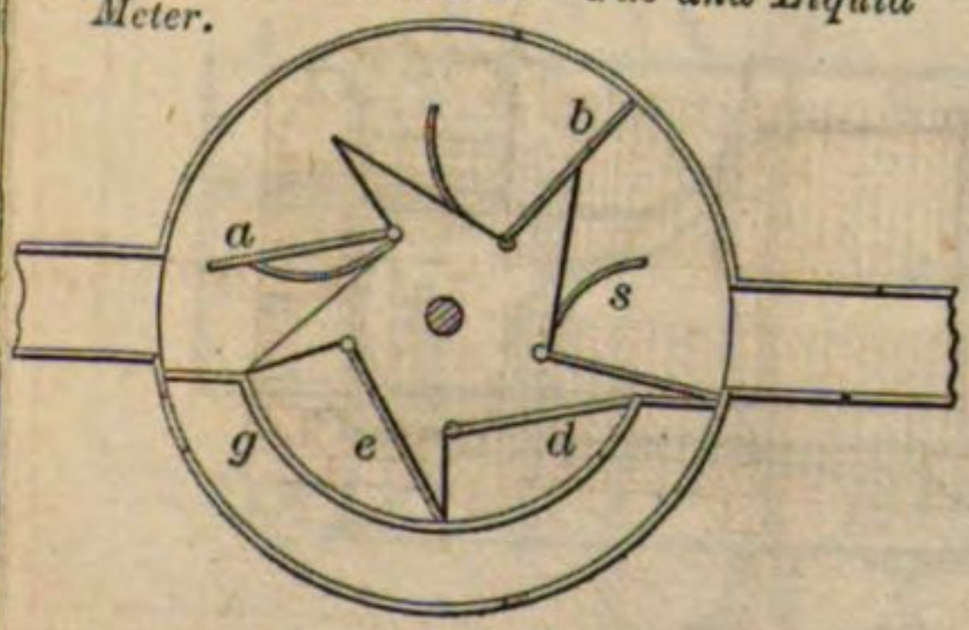
60435—S. Spoor—*Gate.*



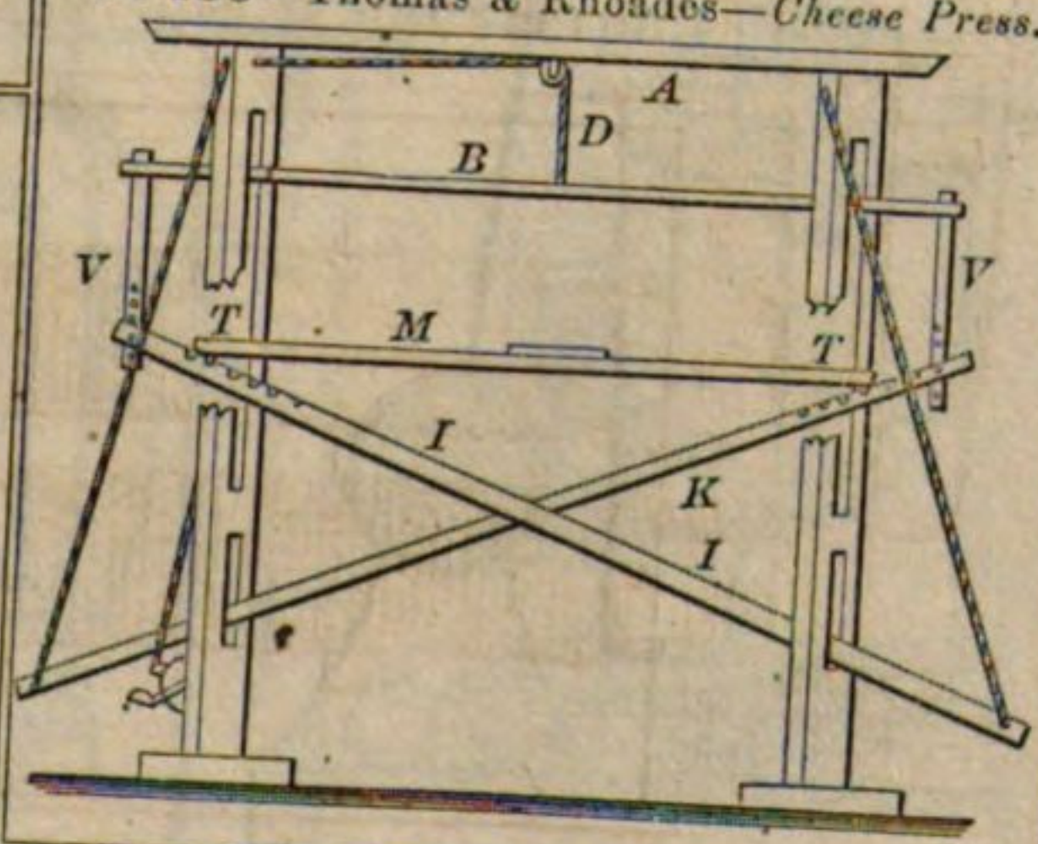
60436—Stadermann & Sauerbier—*Breast Protector.*



60437—H. H. Stuart—*Gas and Liquid Meter.*

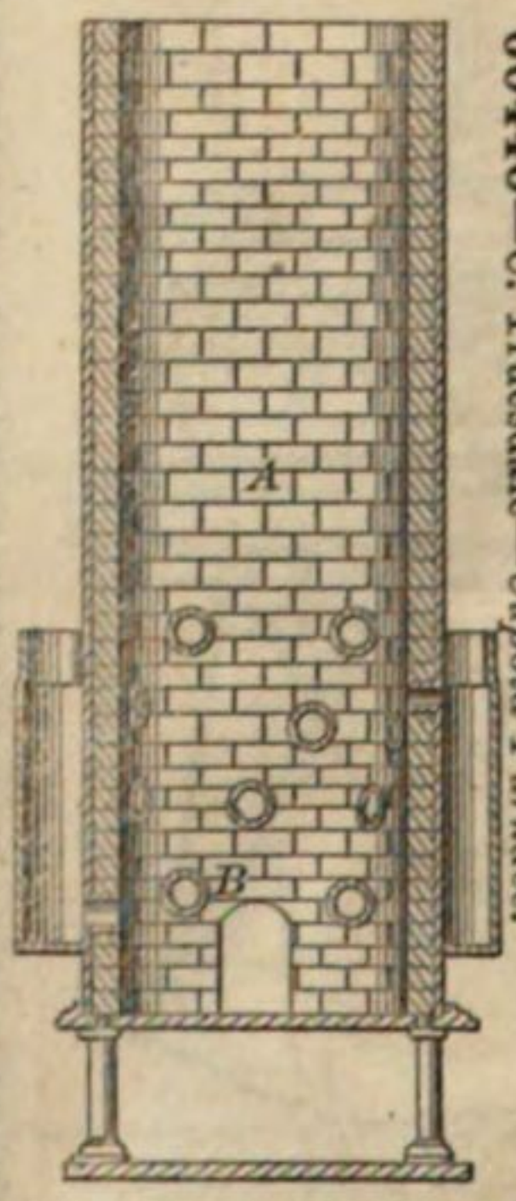


60438—Thomas & Rhoades—*Cheese Press.*

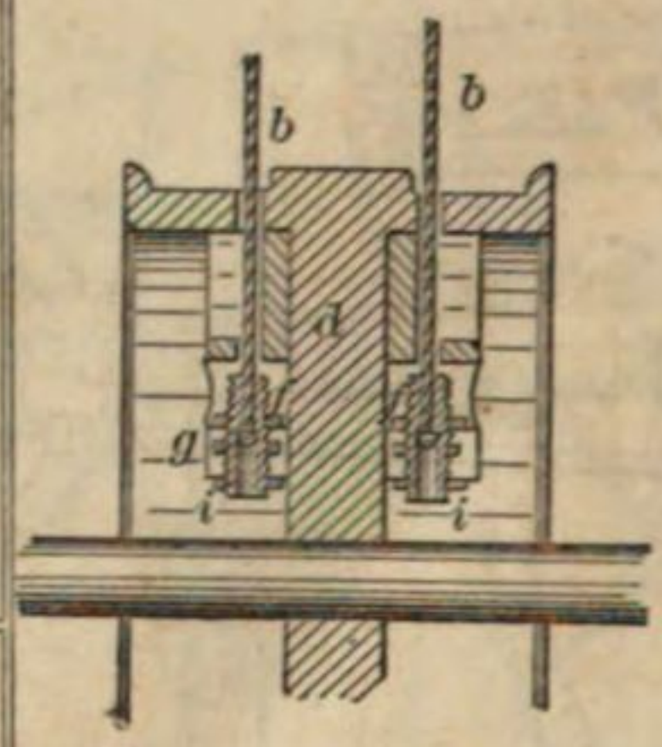


60439—A. Todd, Jr.—*Stamp for Marking Sheep.*

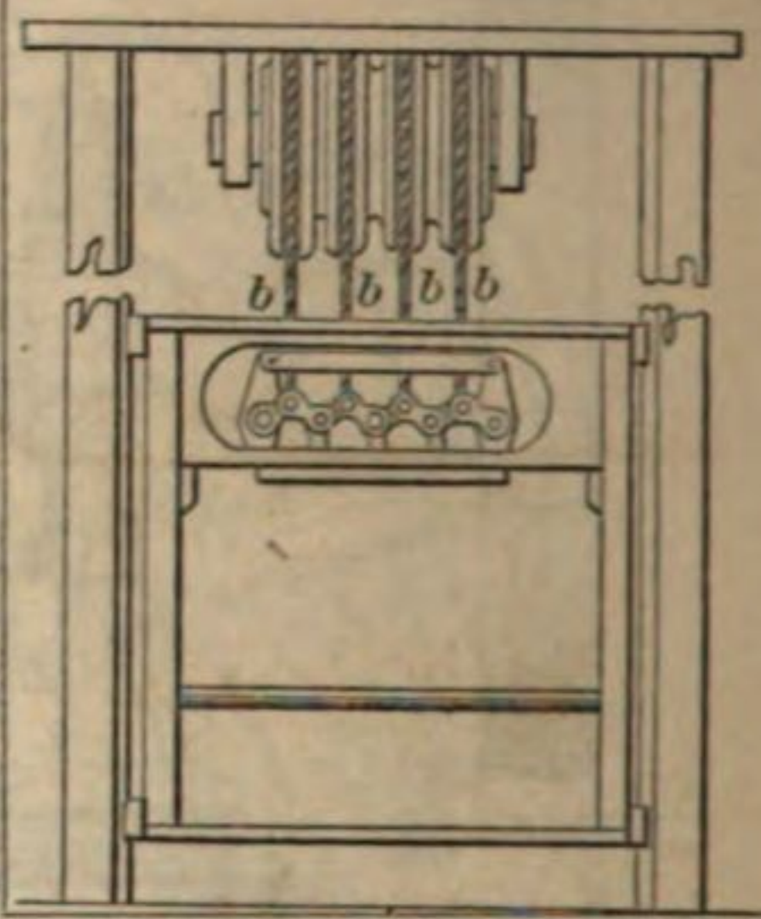
60440—C. Truesdale—*Cupola Furnace.*



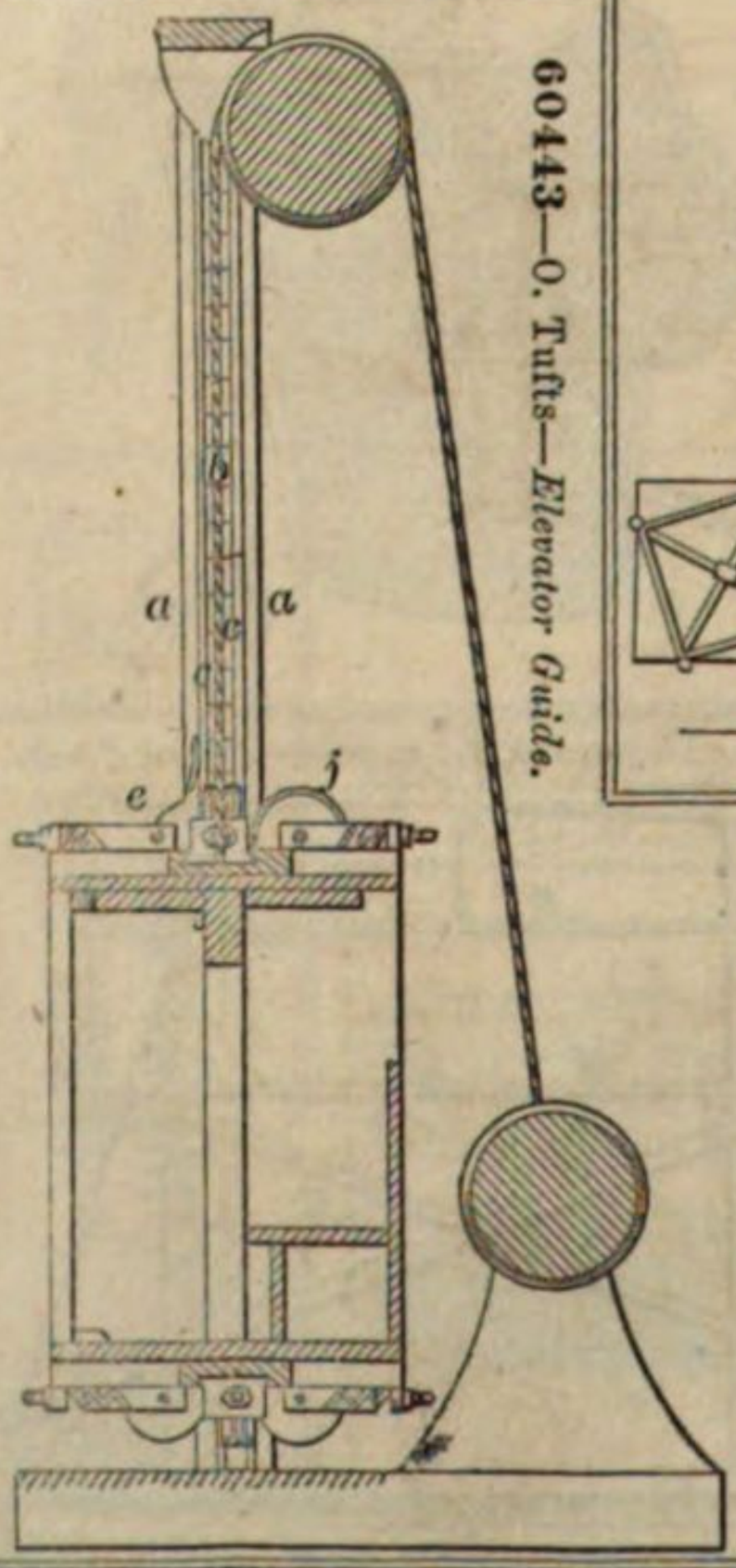
60441—O. Tufts—*Elevator.*



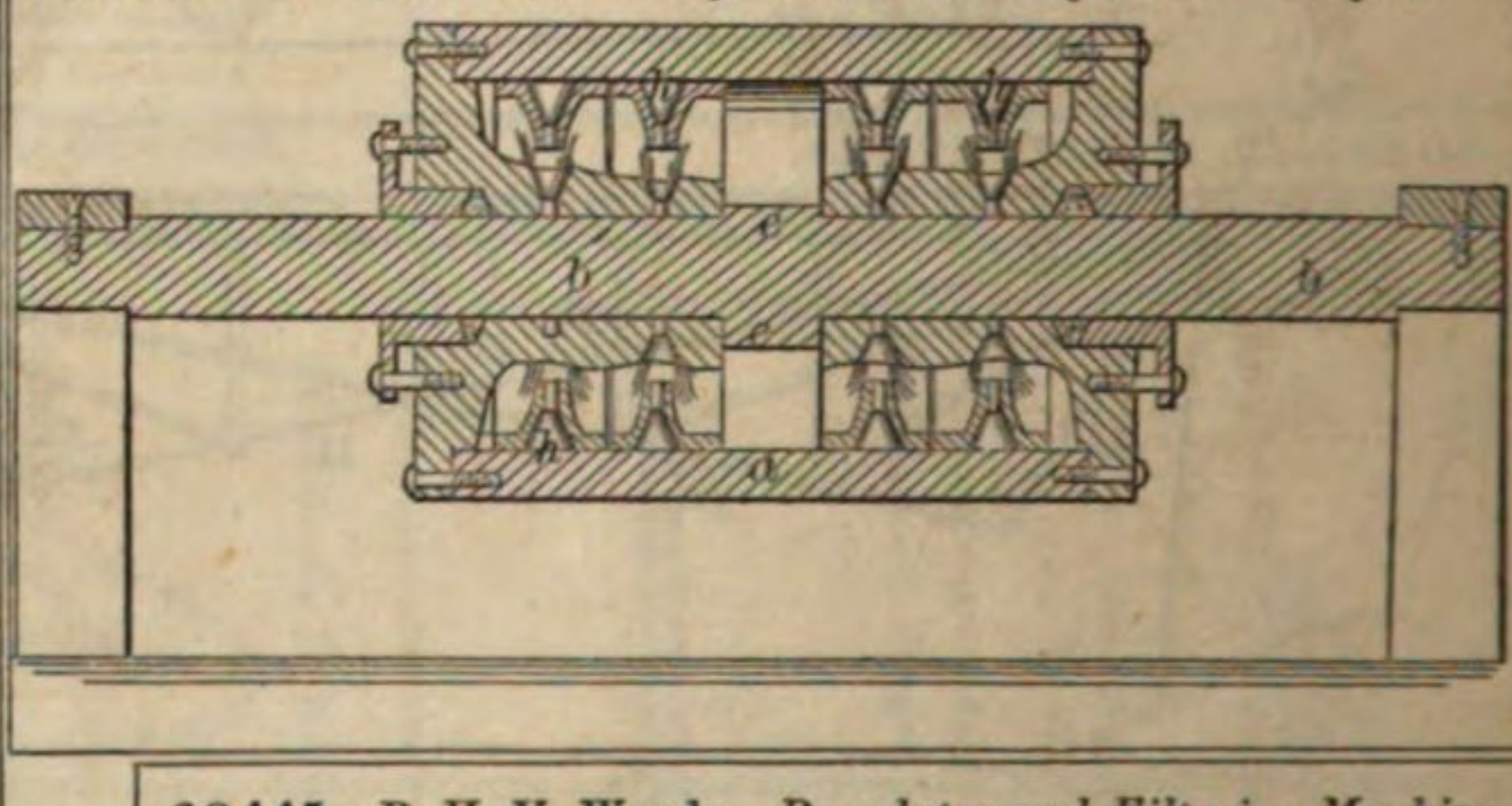
60442—O. Tufts—*Elevator.*



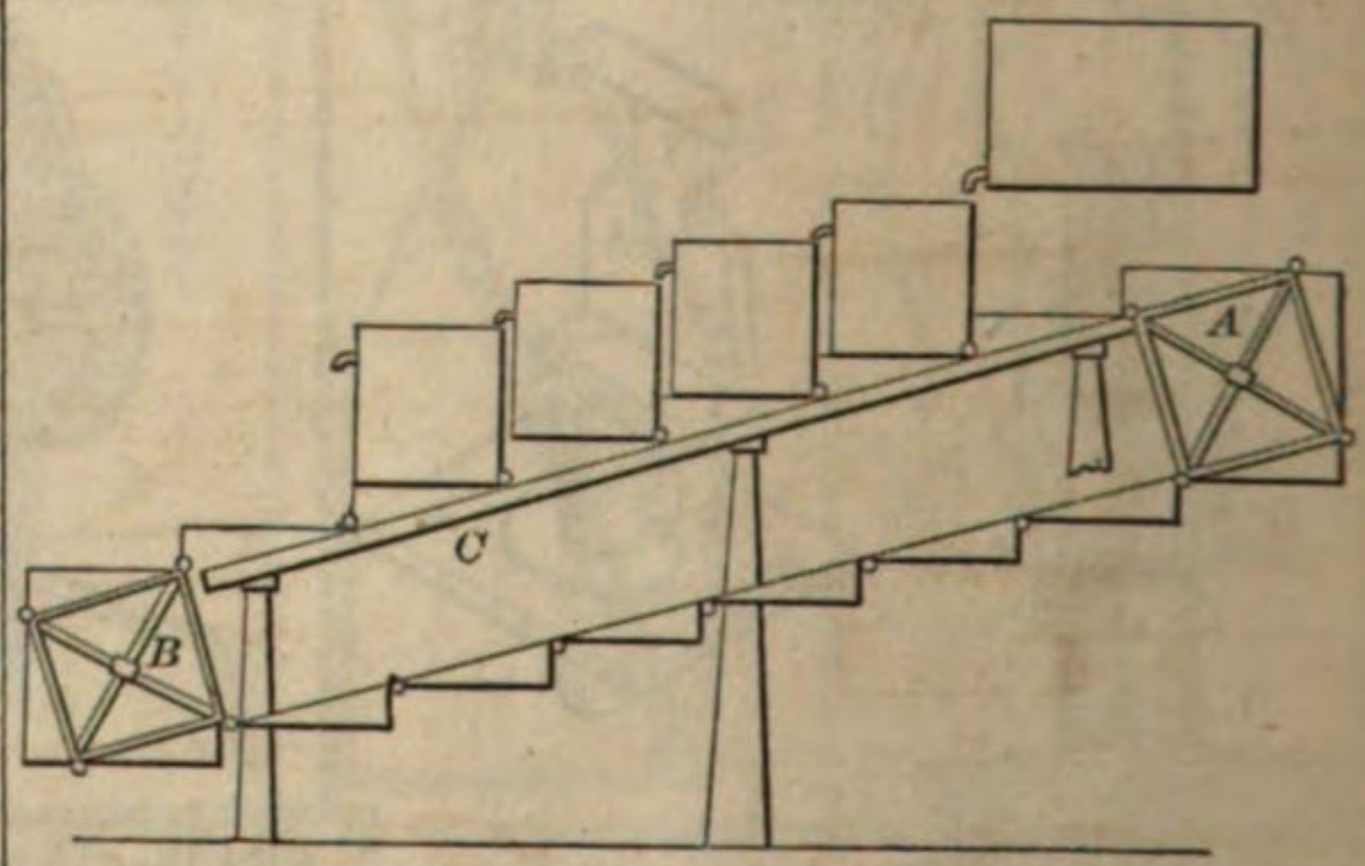
60443—O. Tufts—*Elevator Guide.*



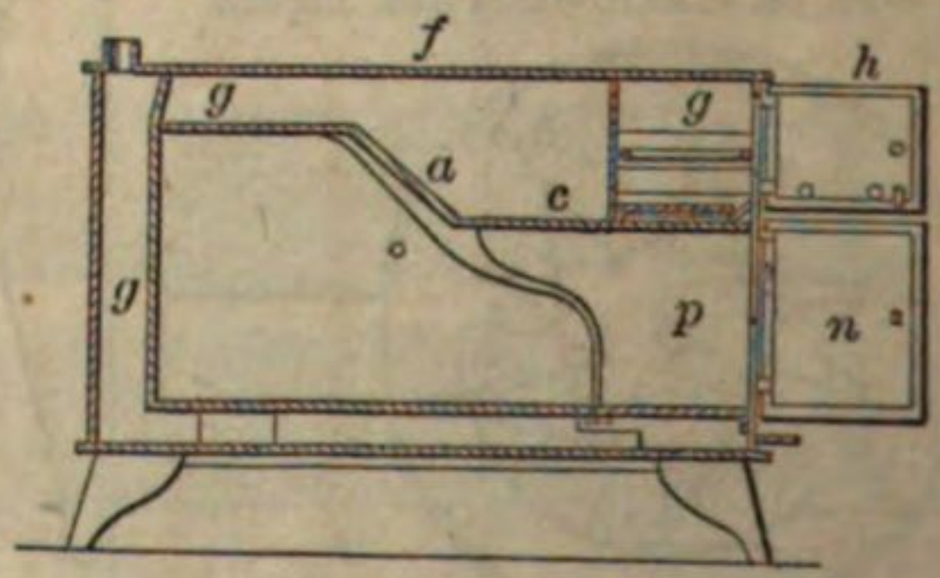
60444—O. Tufts—*For Oiling Bodies Rotating around-Shafts.*



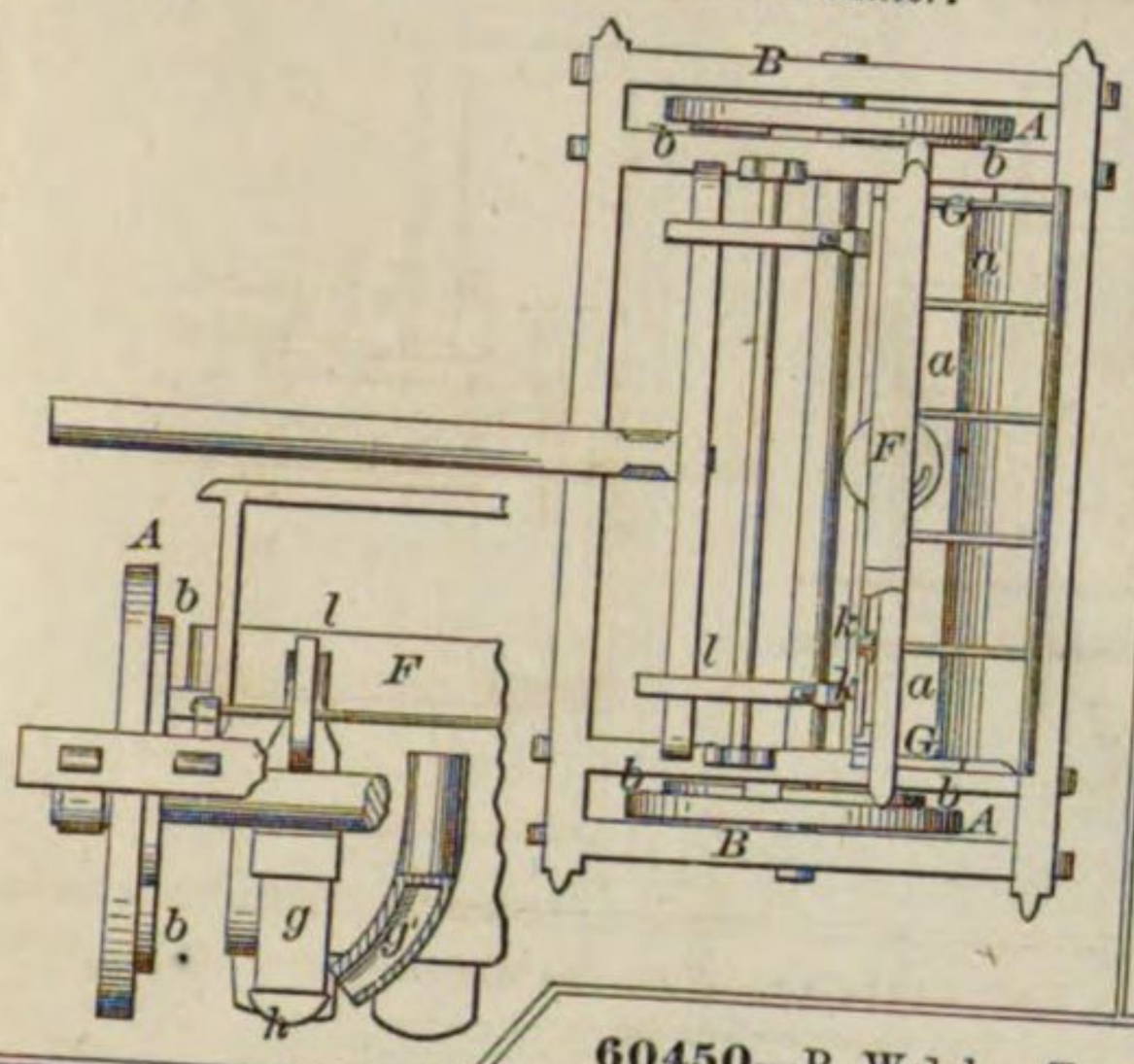
60445—P. H. V. Weyde—*Percolator and Filtering Machine.*



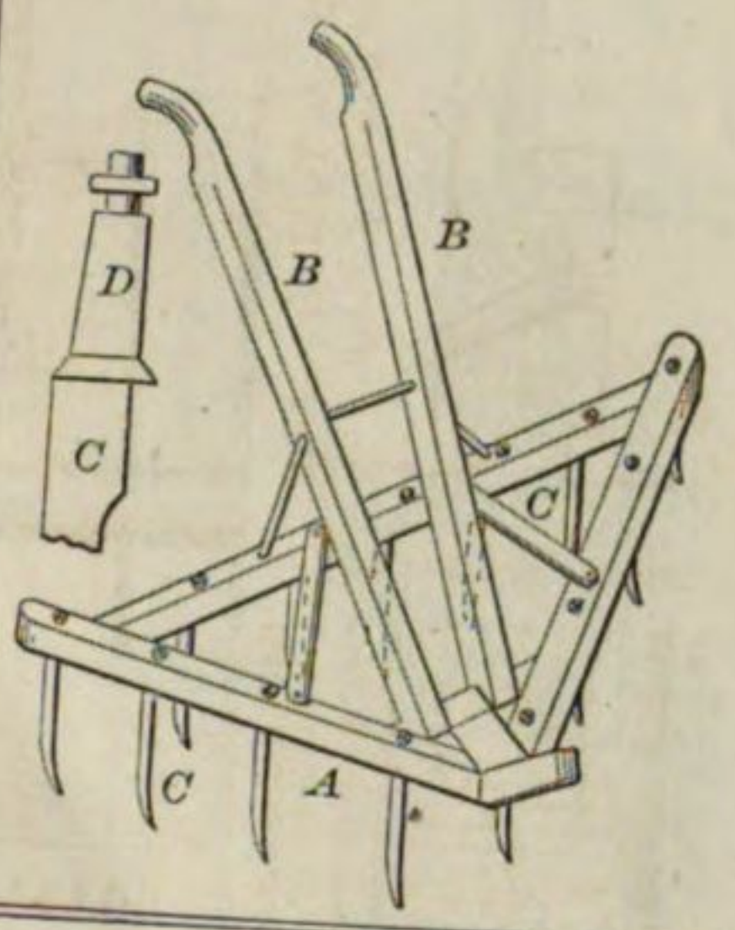
60446—G. W. Walker—*Cooking Stove.*



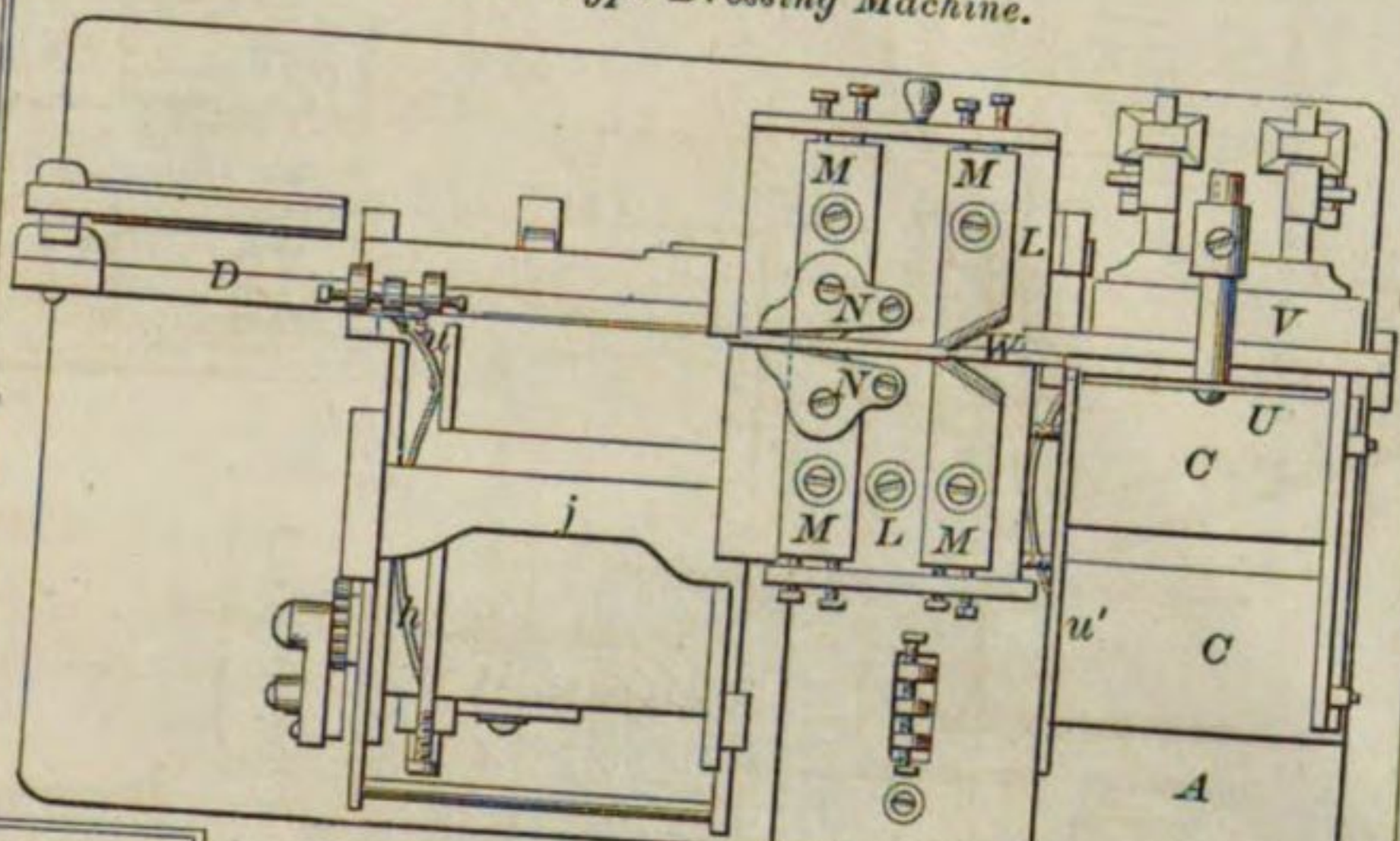
60447—J. C. Walkinshaw—*Corn Planter.*



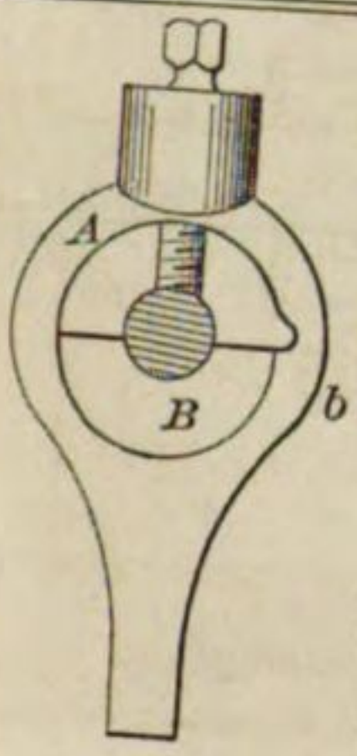
60449—W. T. Watson—*Cultivator.*



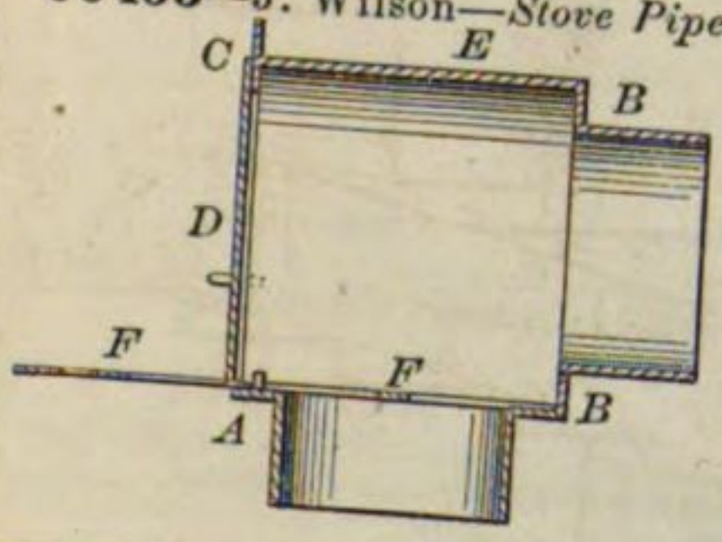
60450—P. Welch—*Type Dressing Machine.*

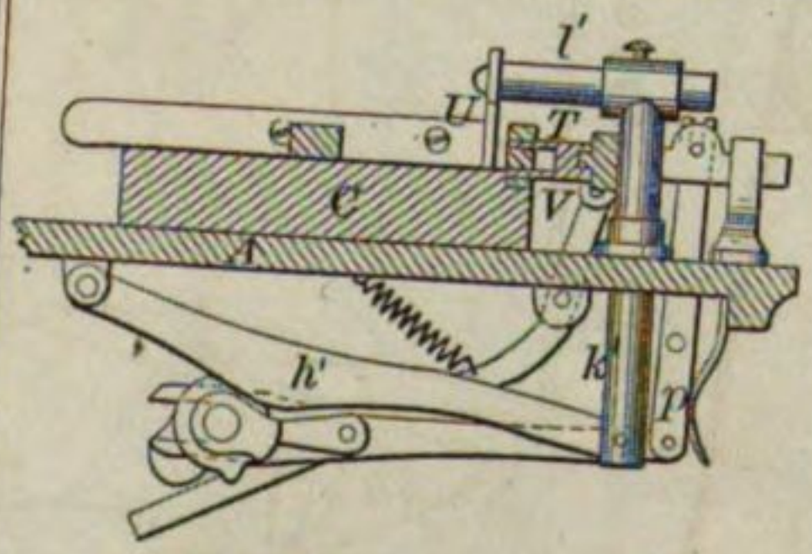


60451—L. P. Wilcox—*Lathe Dog.*

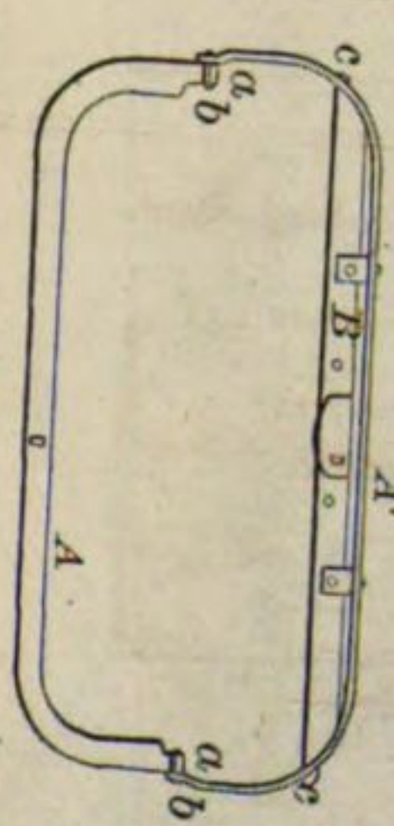


60453—J. Wilson—*Stove Pipe.*

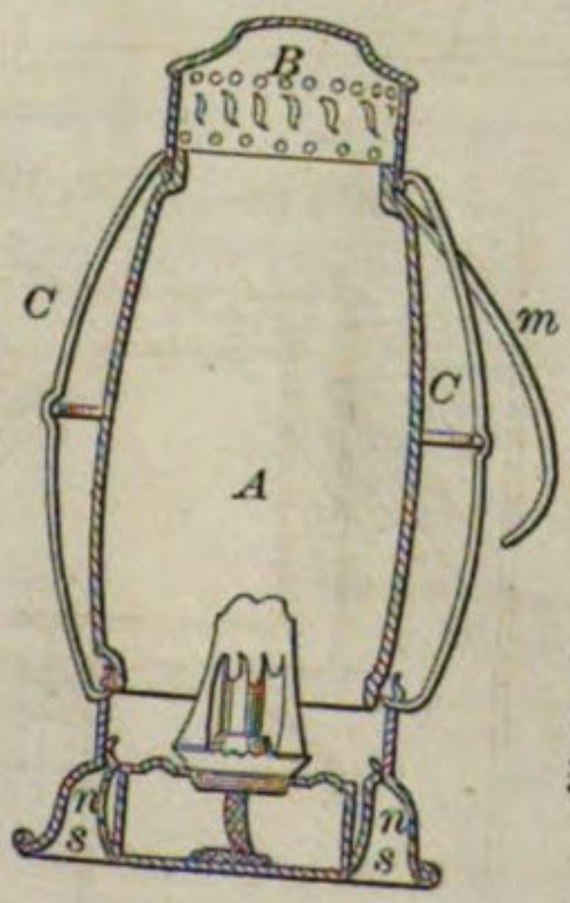




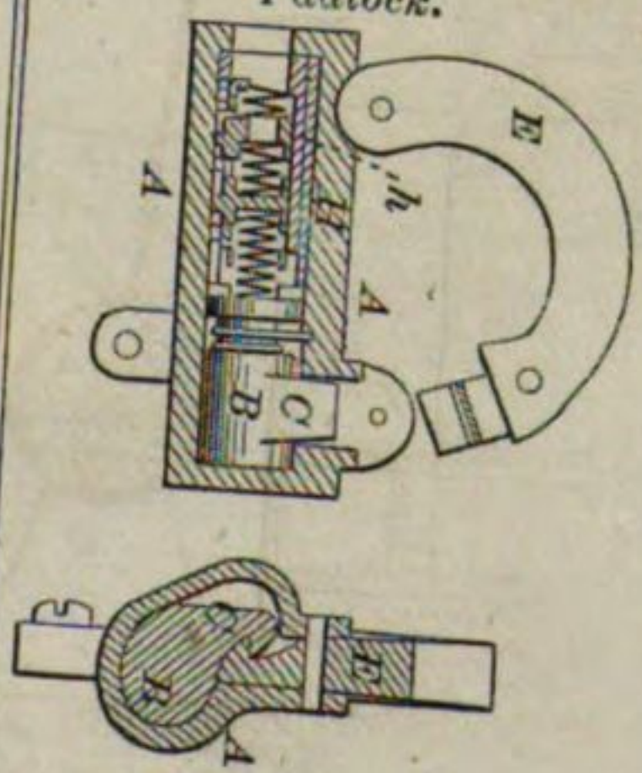
60448—C. & Z. Walsh—*Traveling Bag Frame.*



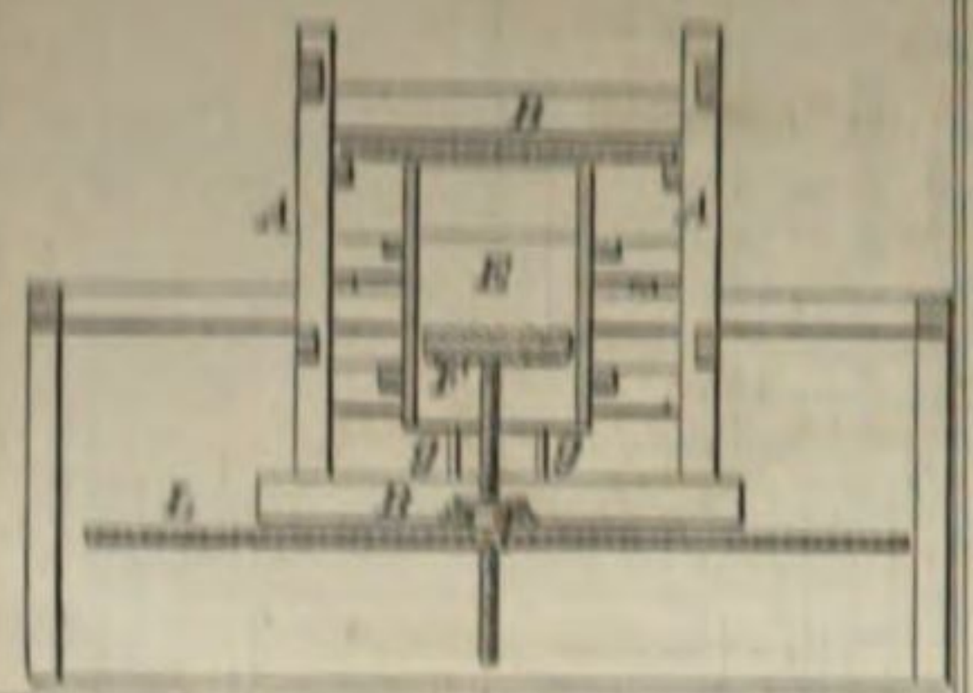
60452—S. R. Wilmot—*Lantern.*



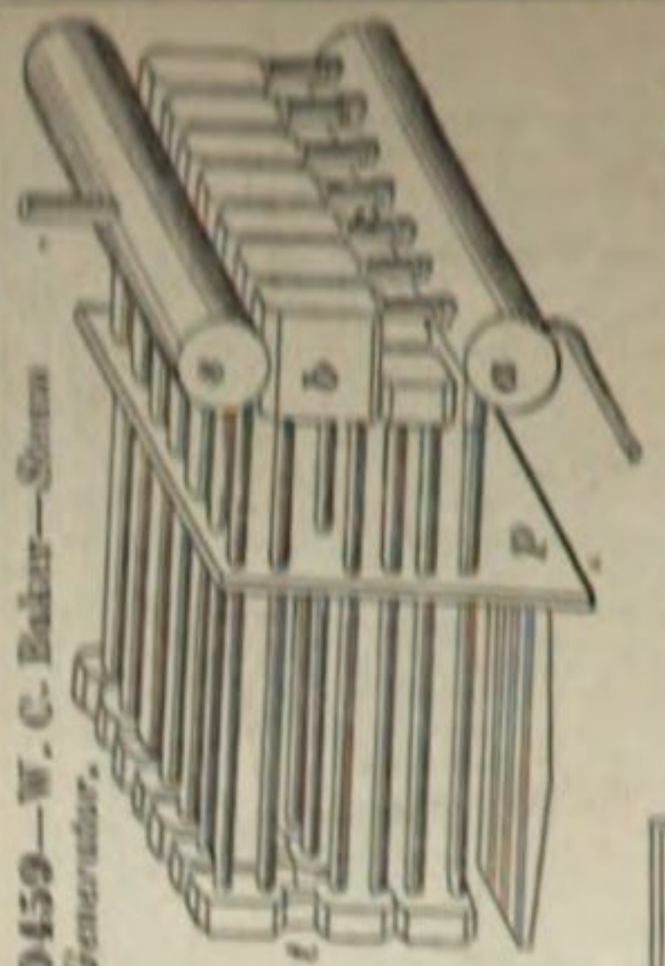
60454—J. E. Wootten—*Padlock.*

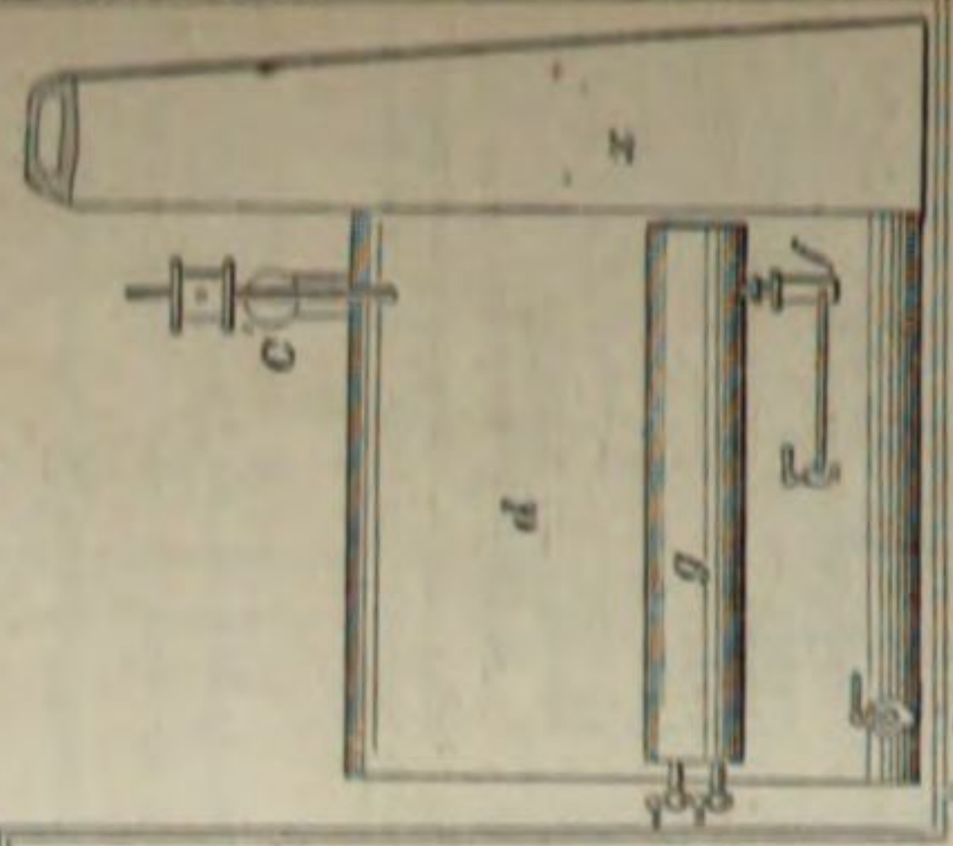


60457—J. B. Allums—*Cotton or Hay Press.*

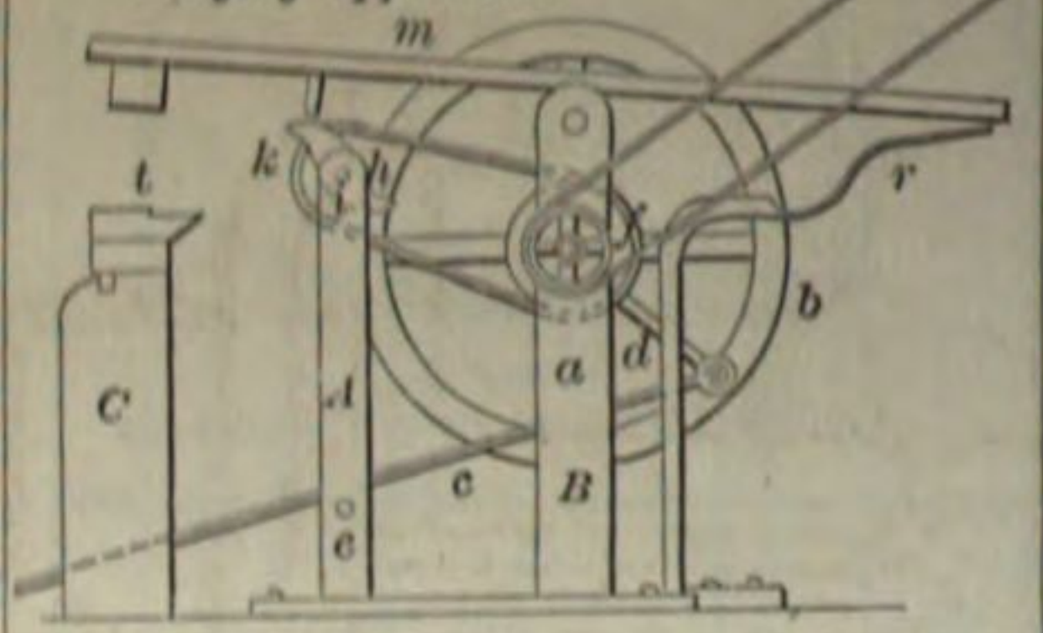


60459—W. C. Baker—*Steam Generator.*

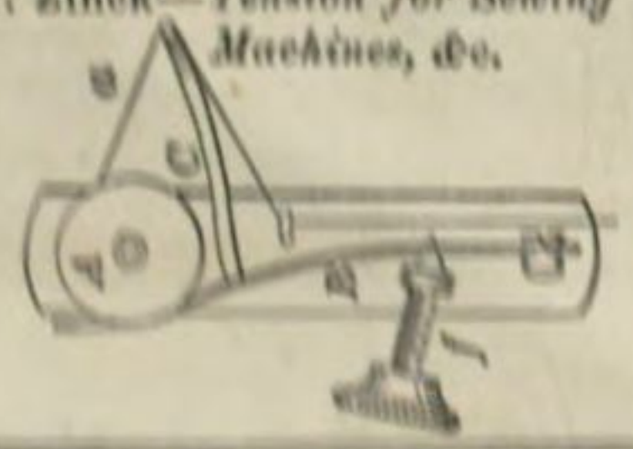




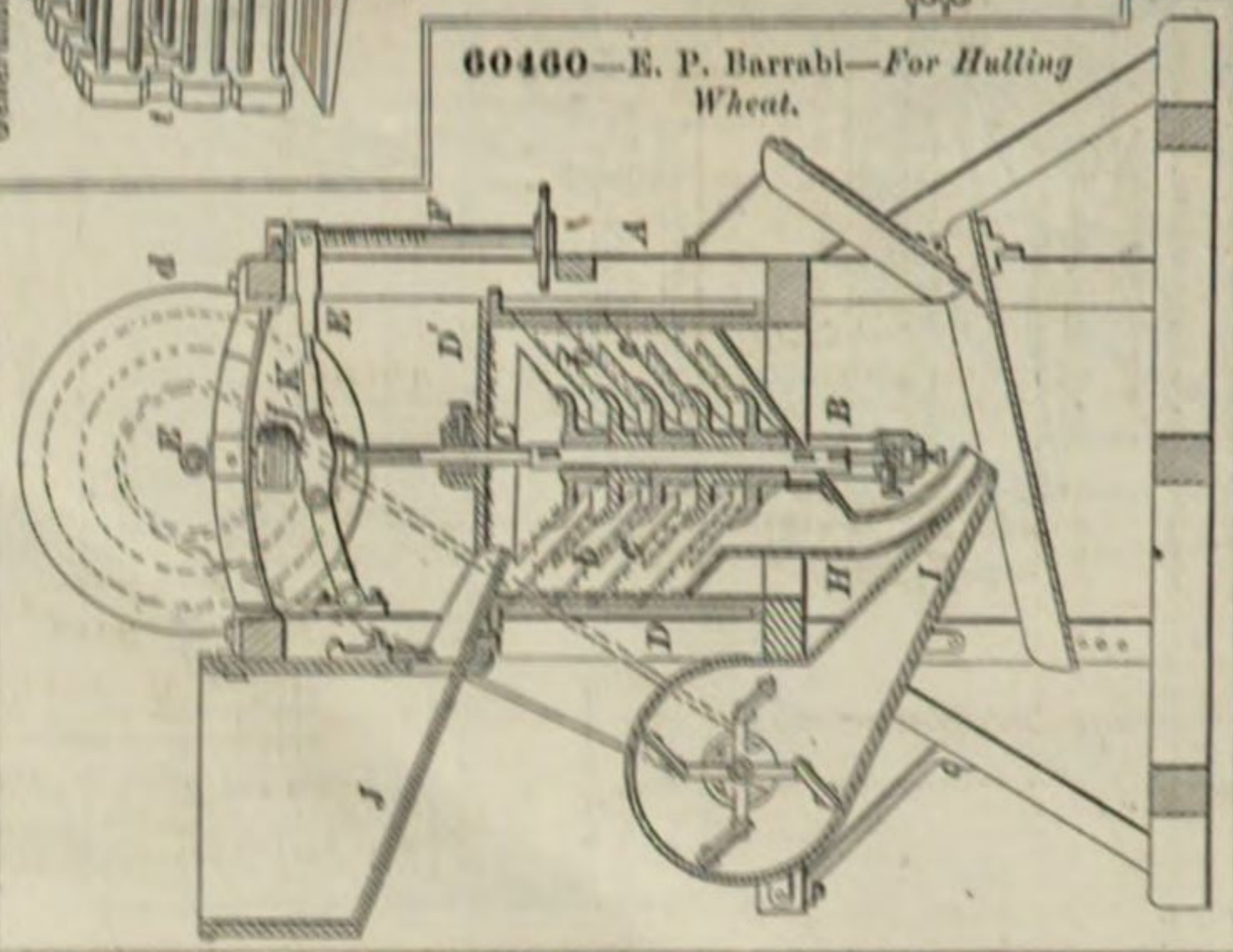
60458—L. & I. Andrews—*Blacksmith's Forging Apparatus.*



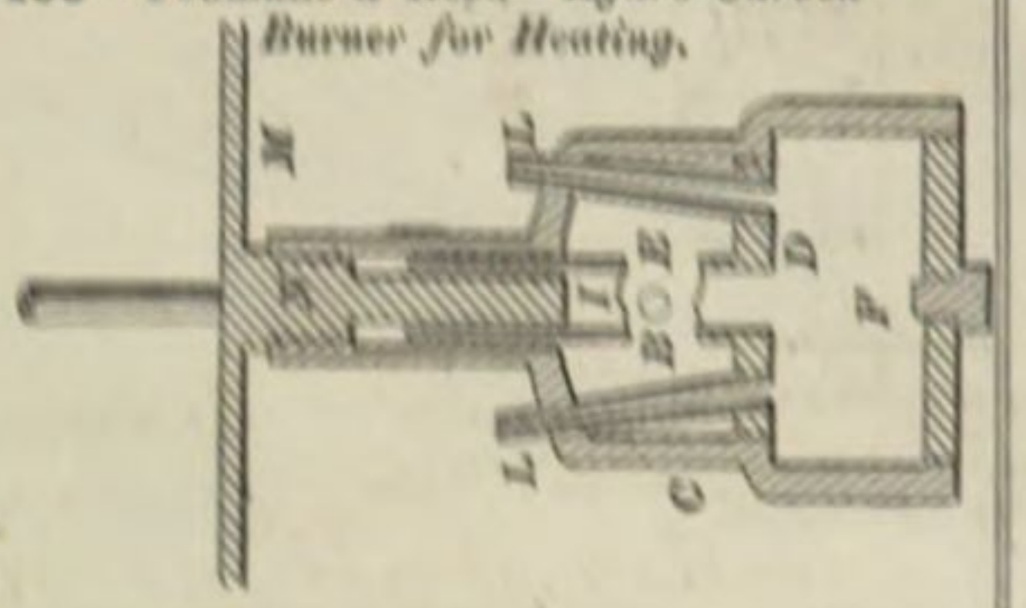
60456—T. Finck—*Tension for Sewing Machines, &c.*



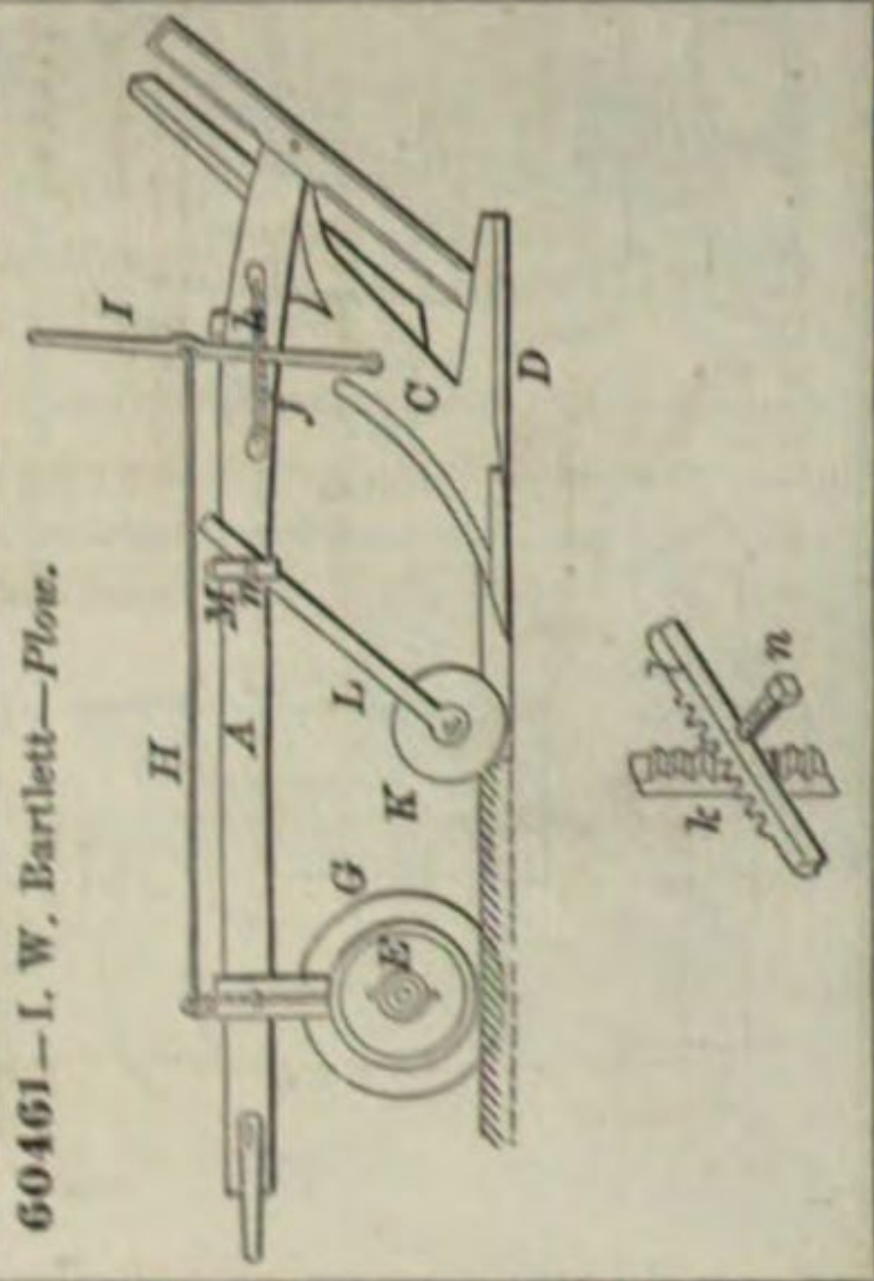
60460—E. P. Barrabi—*For Hulling Wheat.*



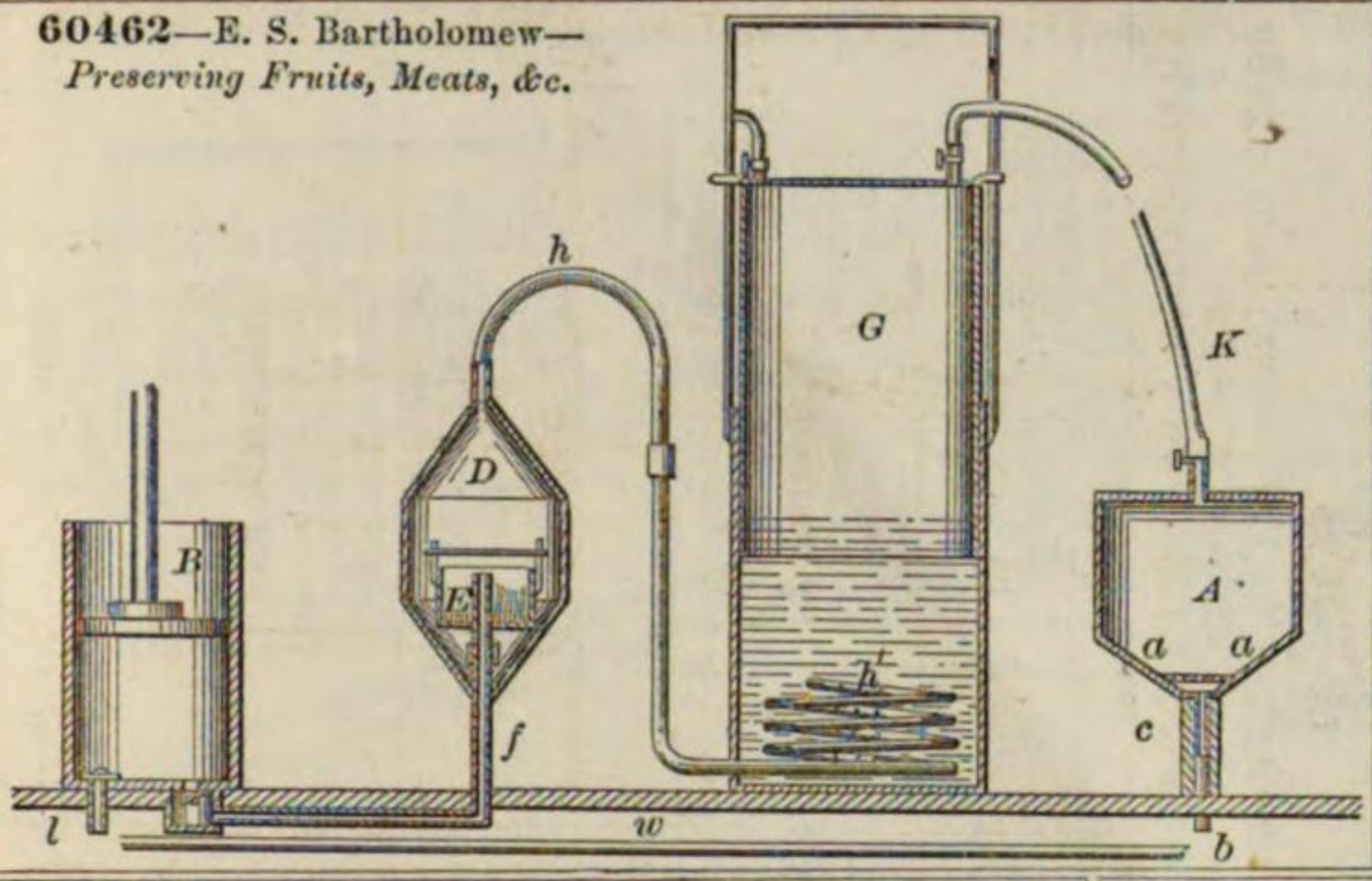
60455—Youmans & Reed—*Hydro-Carbon Burner for Heating.*



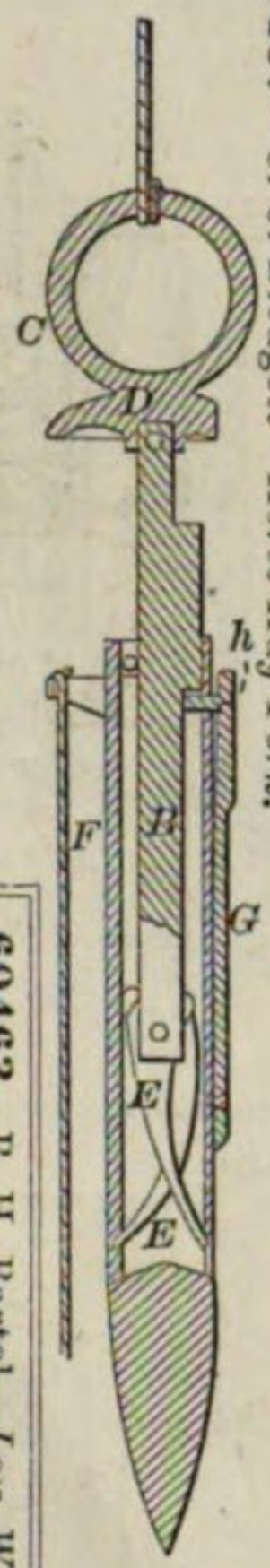
60461—I. W. Bartlett—*Plow.*



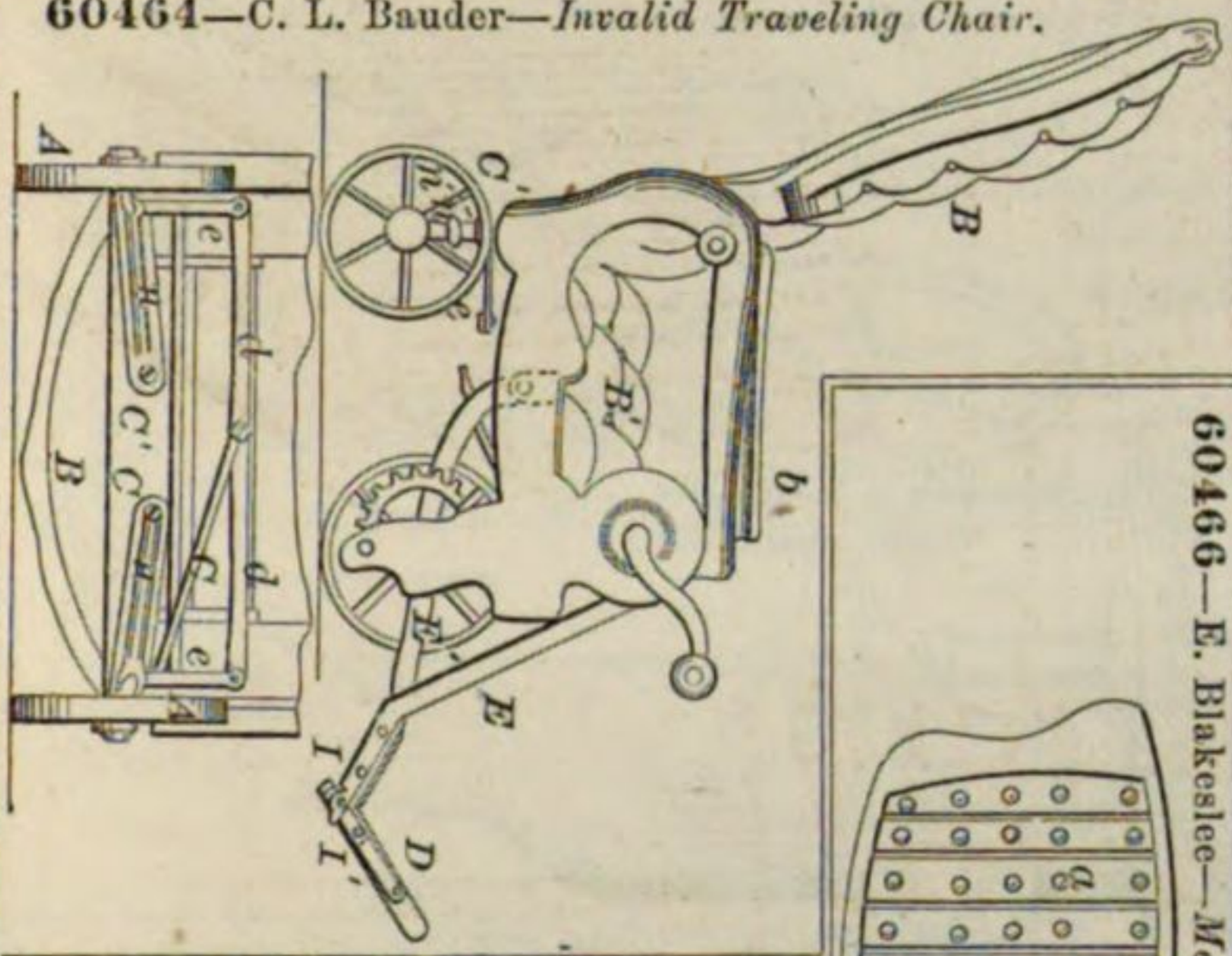
60462—E. S. Bartholomew—
Preserving Fruits, Meats, &c.



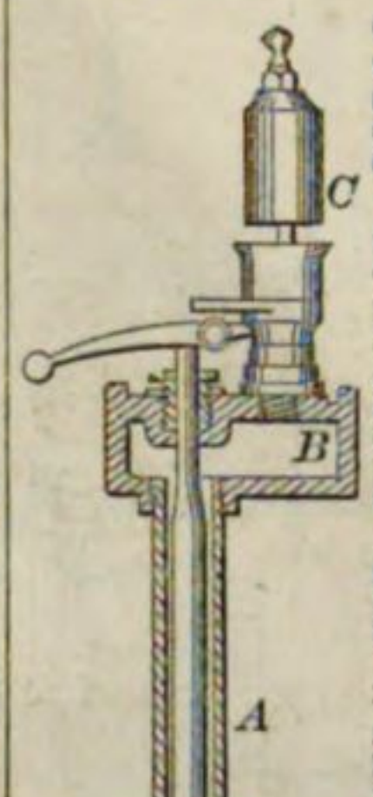
60467—C. C. Blodgett—*Horse Hay Fork.*



60464—C. L. Bauder—*Invalid Traveling Chair.*



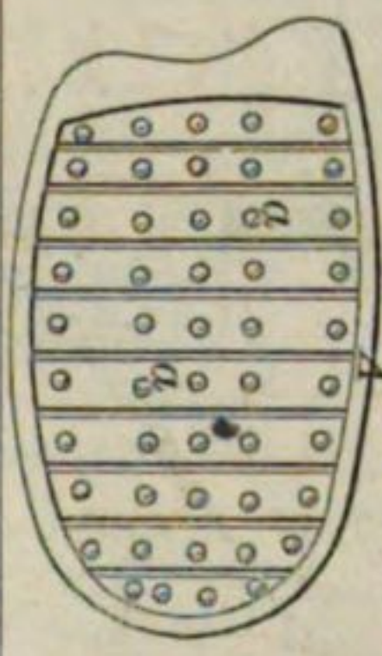
60463—B. H. Bartol—*Low Water Detector.*



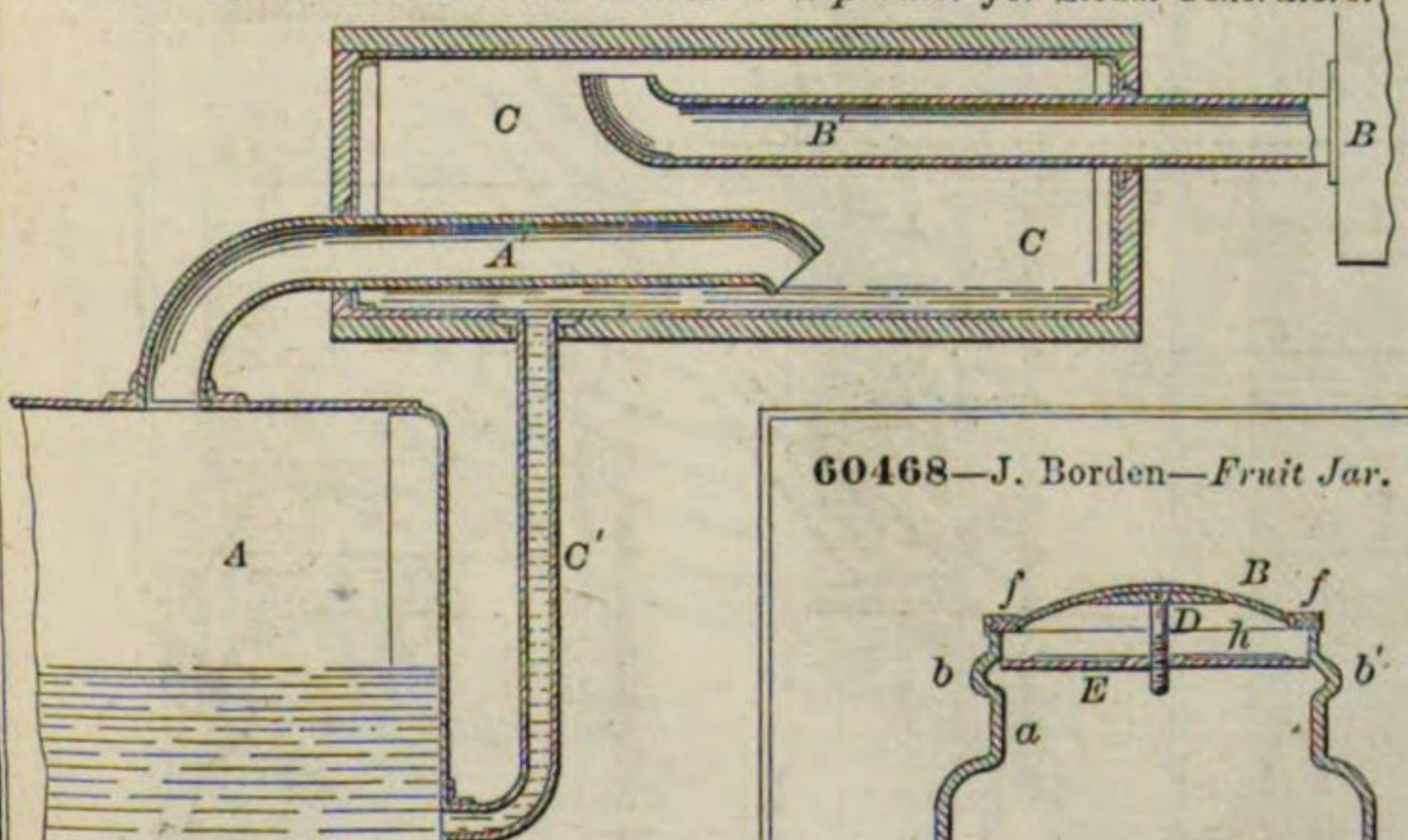
60469—J. H. Bosworth—*Carpet Stretcher.*

60465—G. & G. T. Benjamin—
Railway Car.

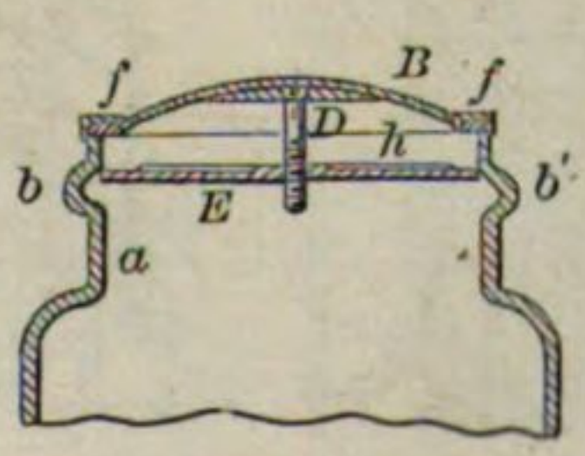
60466—E. Blakeslee—*Metal Plated Sole.*



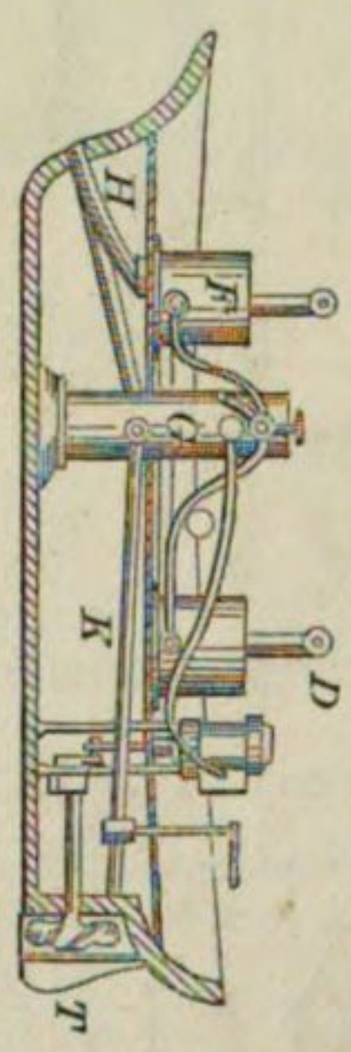
60470—R. C. Bristol—*Water and Steam Separator for Steam Generators.*



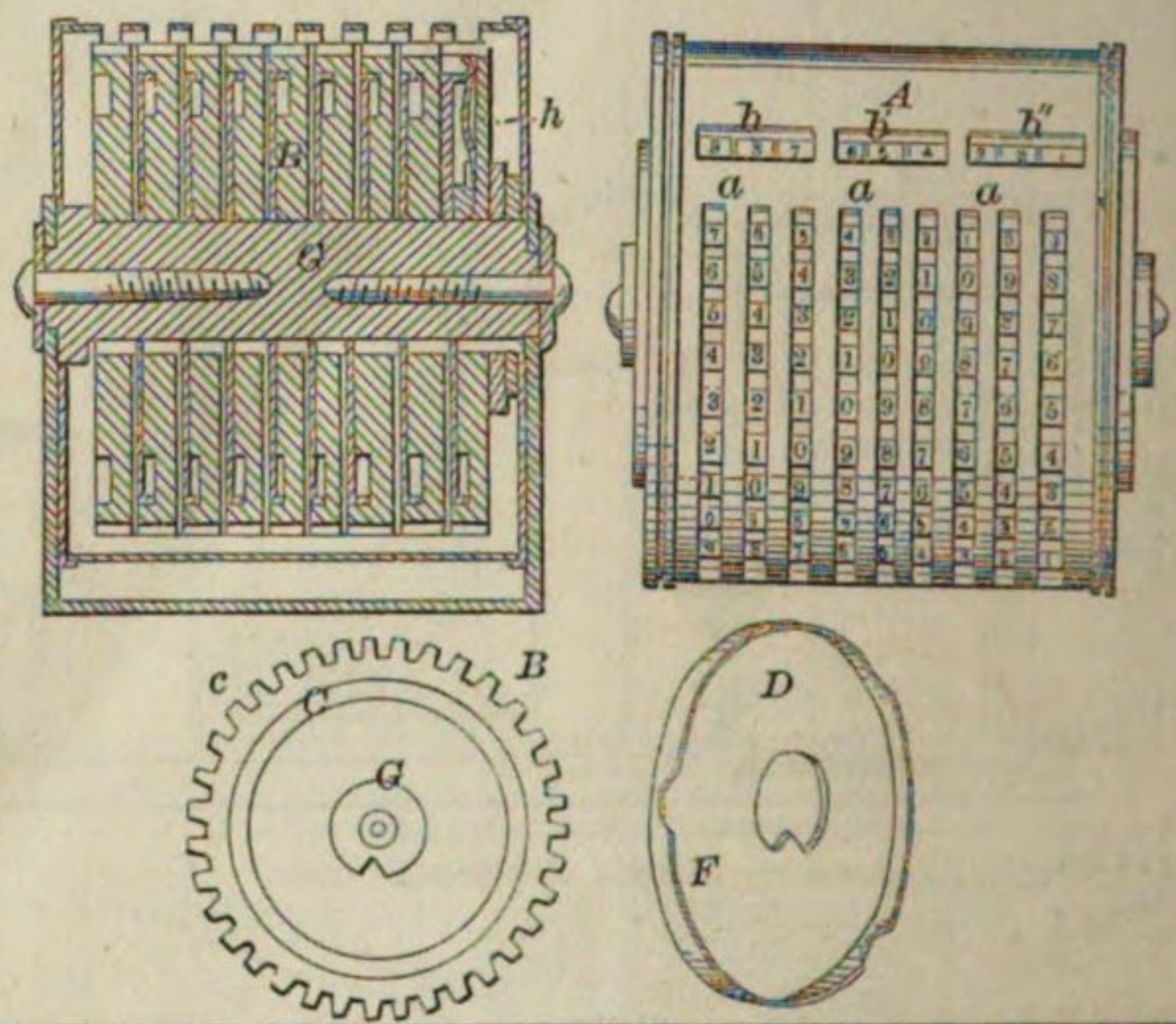
60468—J. Borden—*Fruit Jar.*



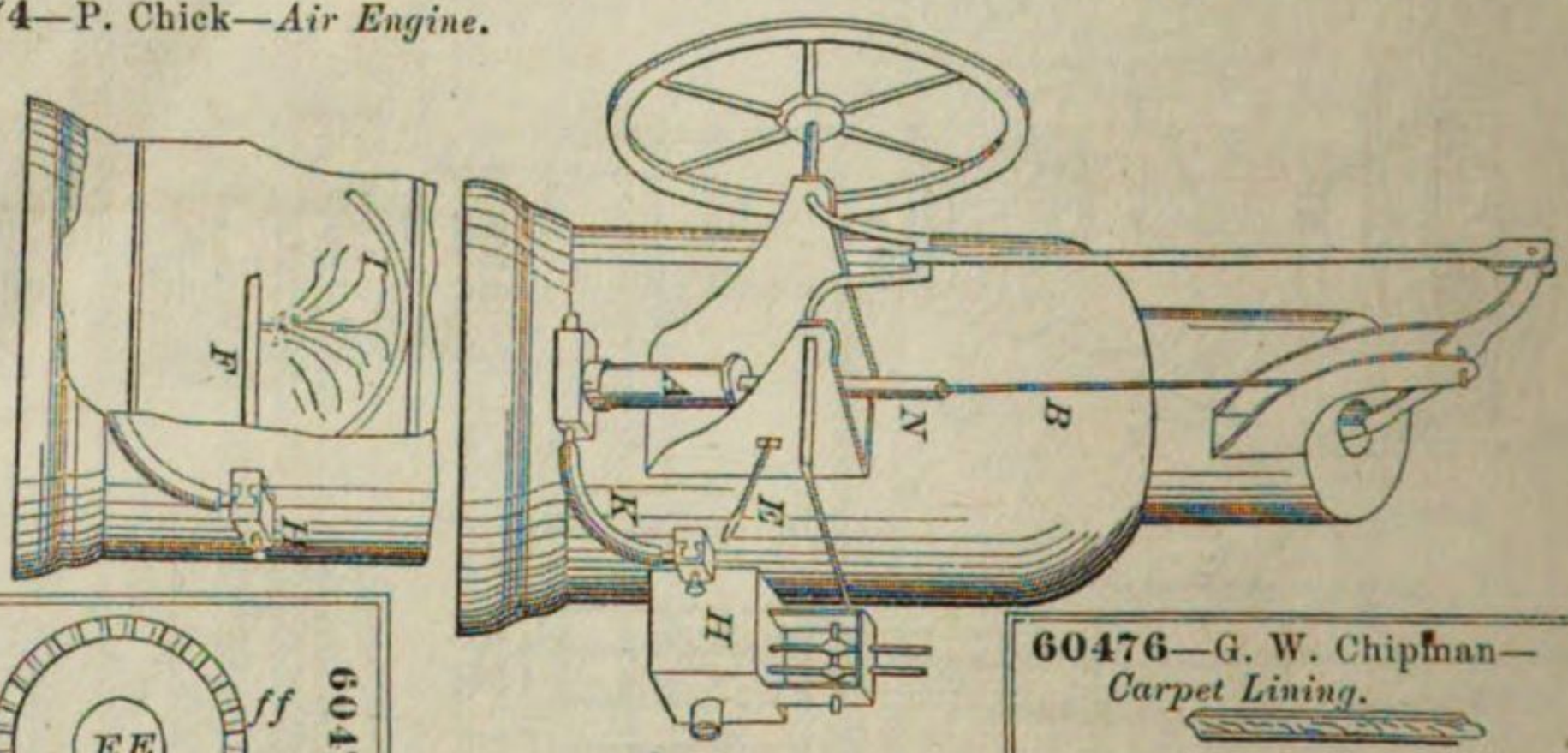
60471—C. W. Cahoon—*For Propelling Vessels.*



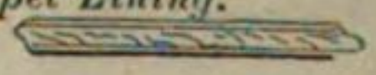
60475—J. H. Chidester—*Computing Machine.*



60474—P. Chick—*Air Engine.*



60476—G. W. Chipman—*Carpet Lining.*



60473—A. Carbnow—*Churn.*

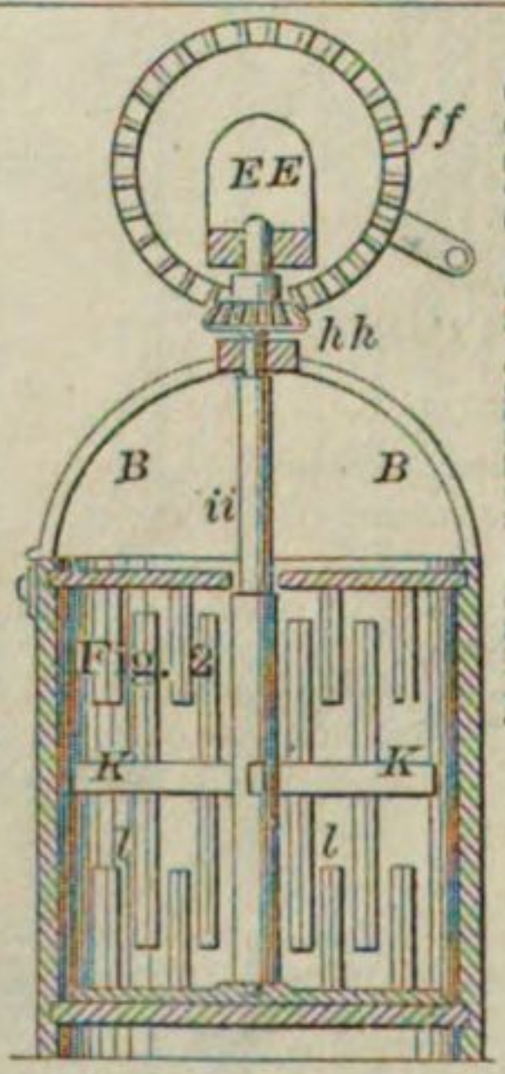


Fig. 4

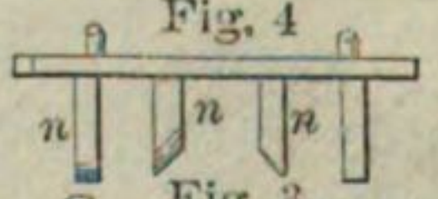
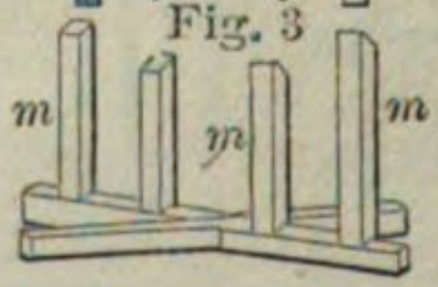
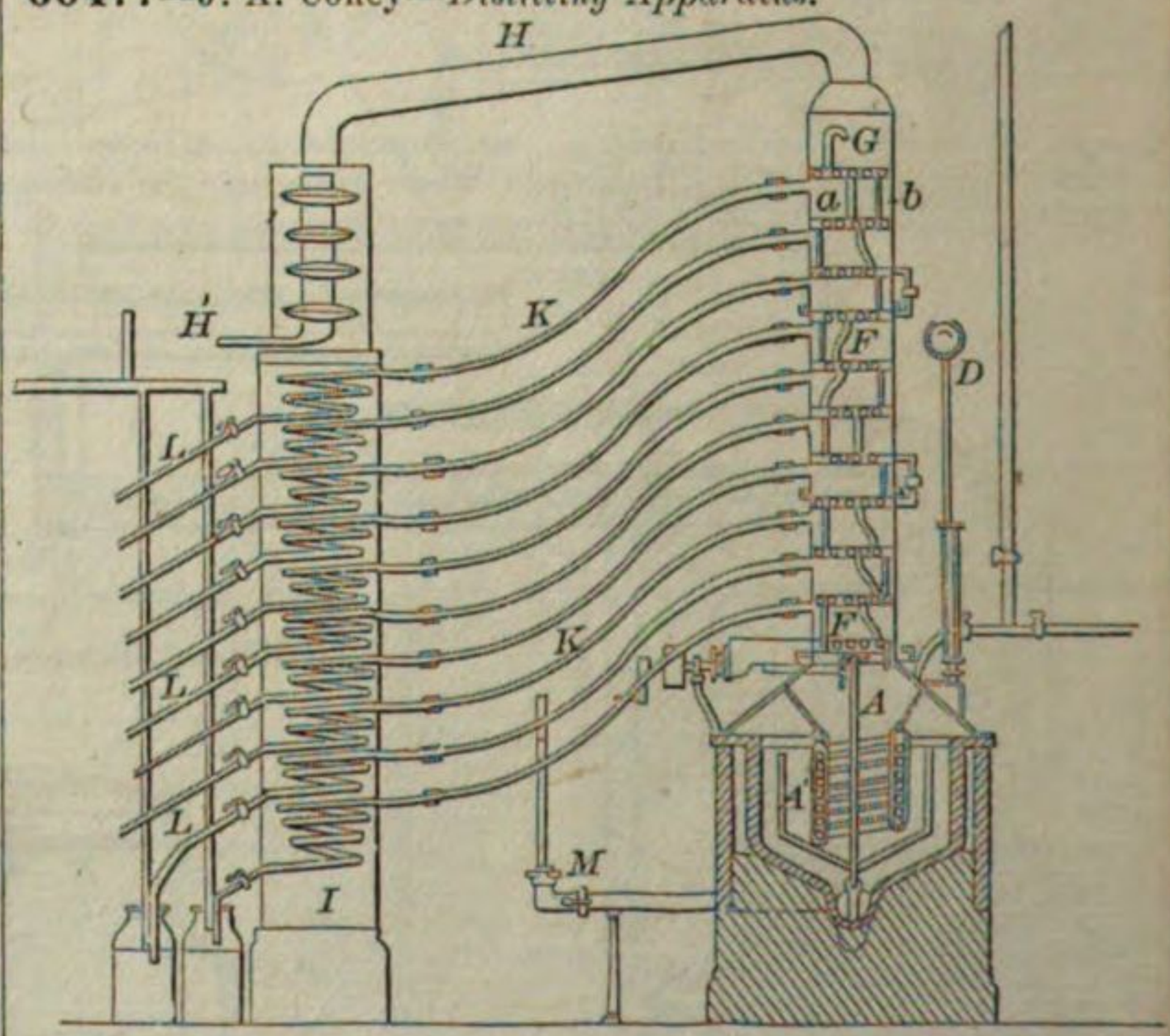


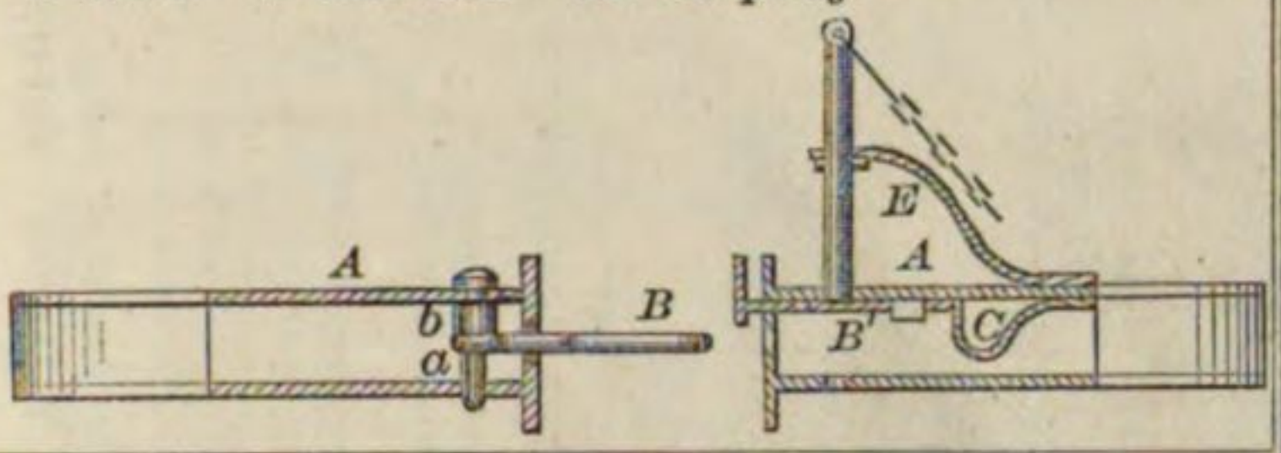
Fig. 3



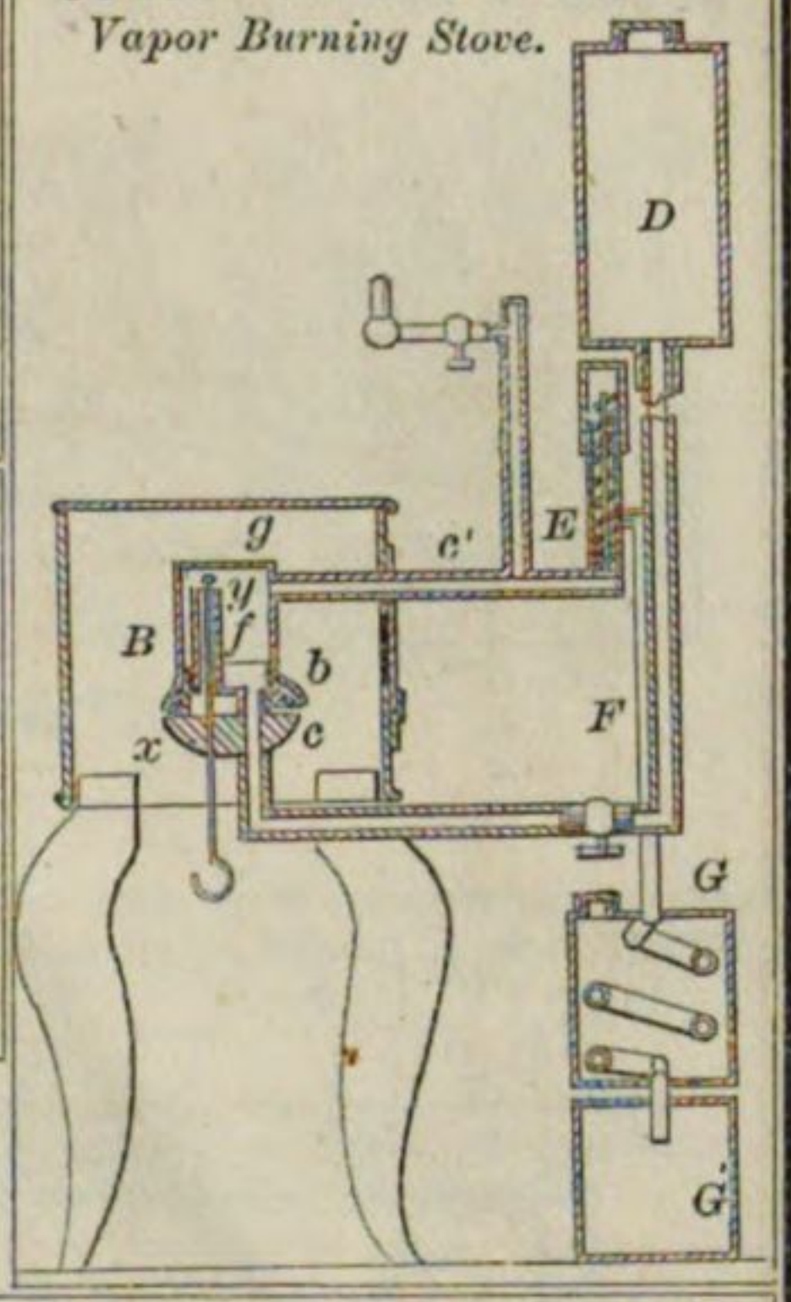
60477—J. A. Coffey—*Distilling Apparatus.*



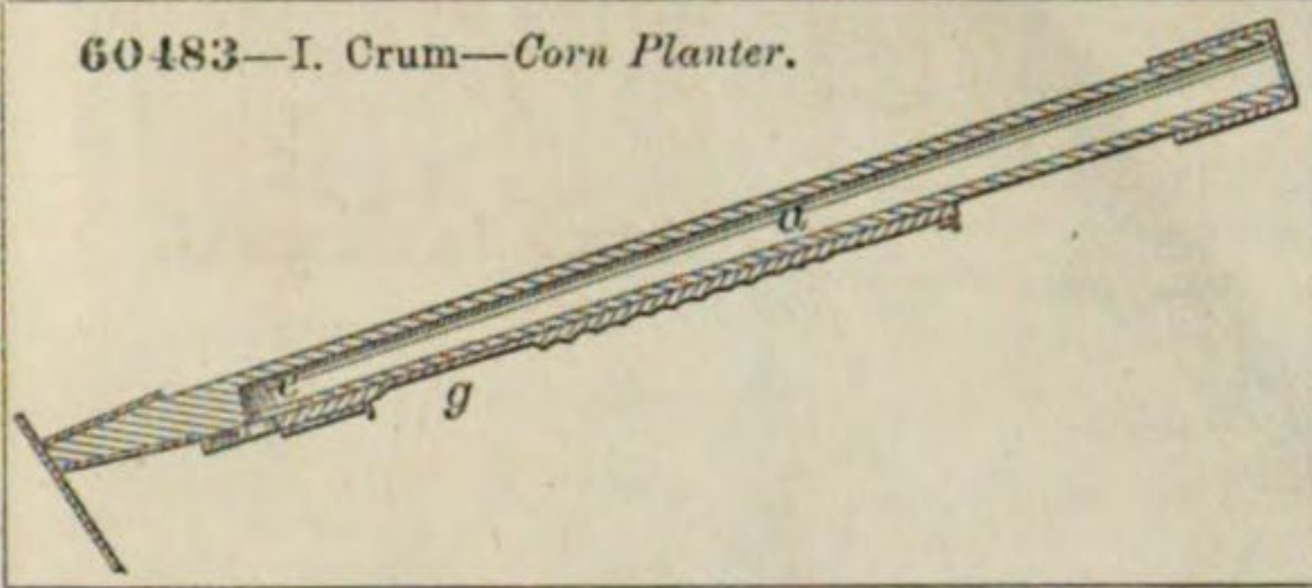
60479—V. & E. Cole—*Car Coupling.*



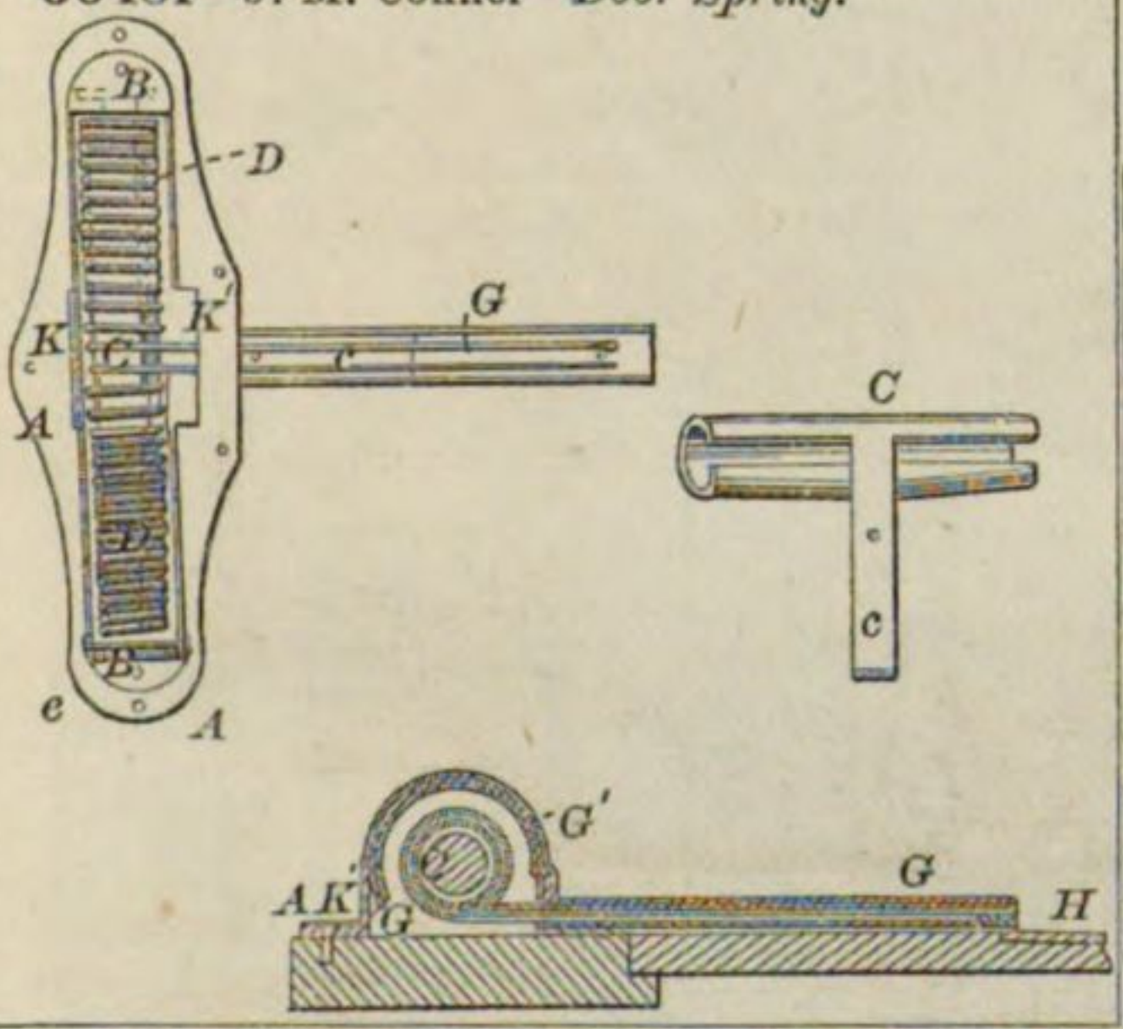
60480—Collins & Grover—*Vapor Burning Stove.*



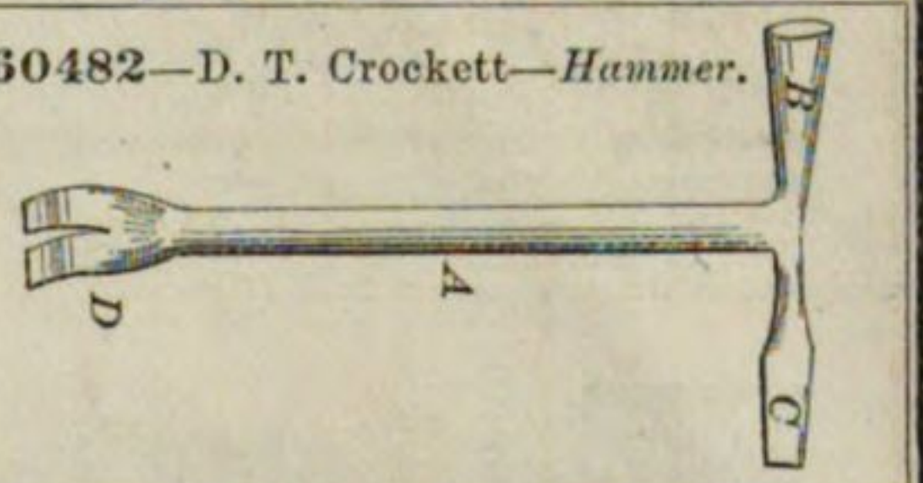
60483—I. Crum—*Corn Planter.*



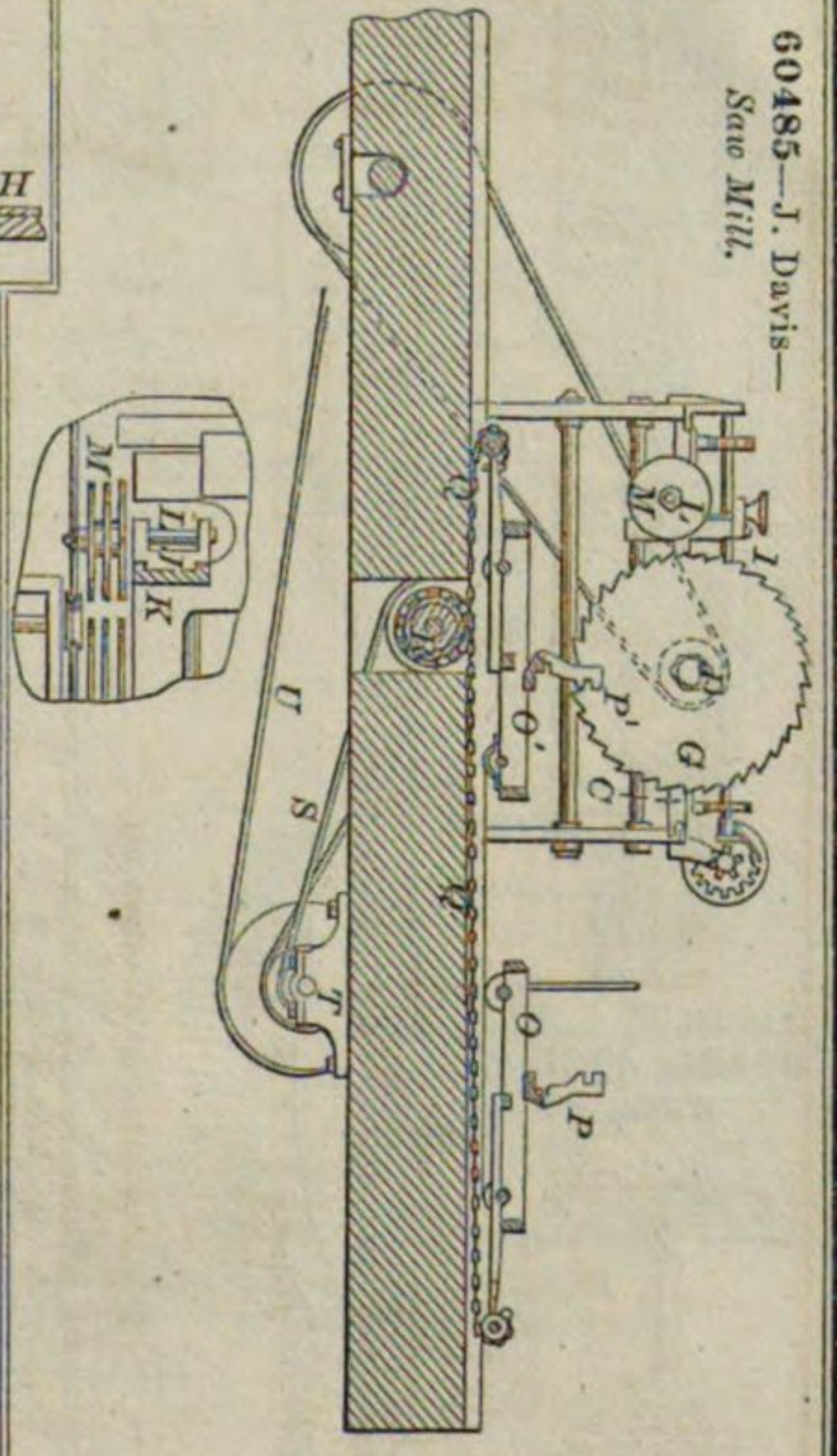
60481—J. M. Connel—*Door Spring.*



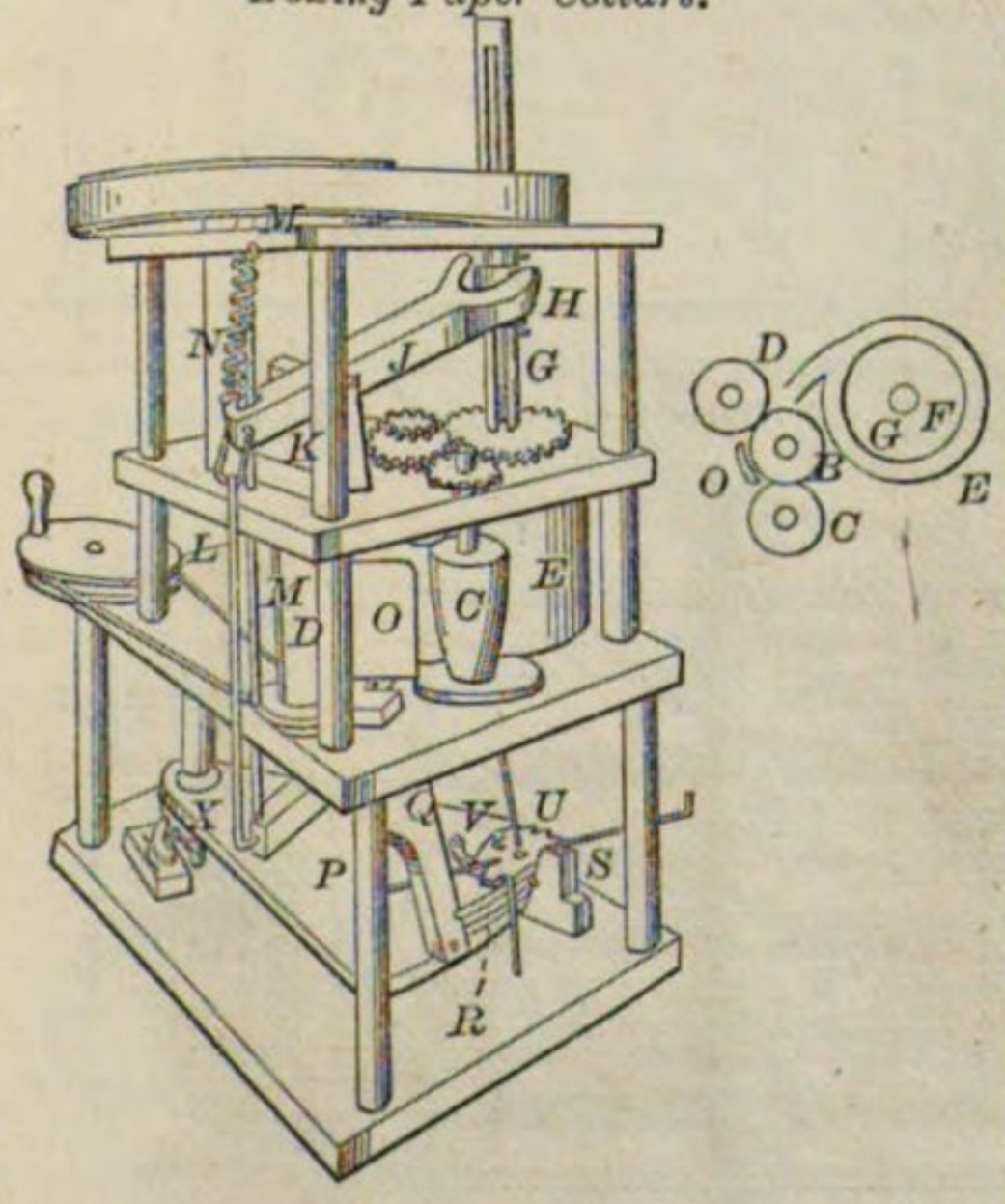
60482—D. T. Crockett—*Hammer.*



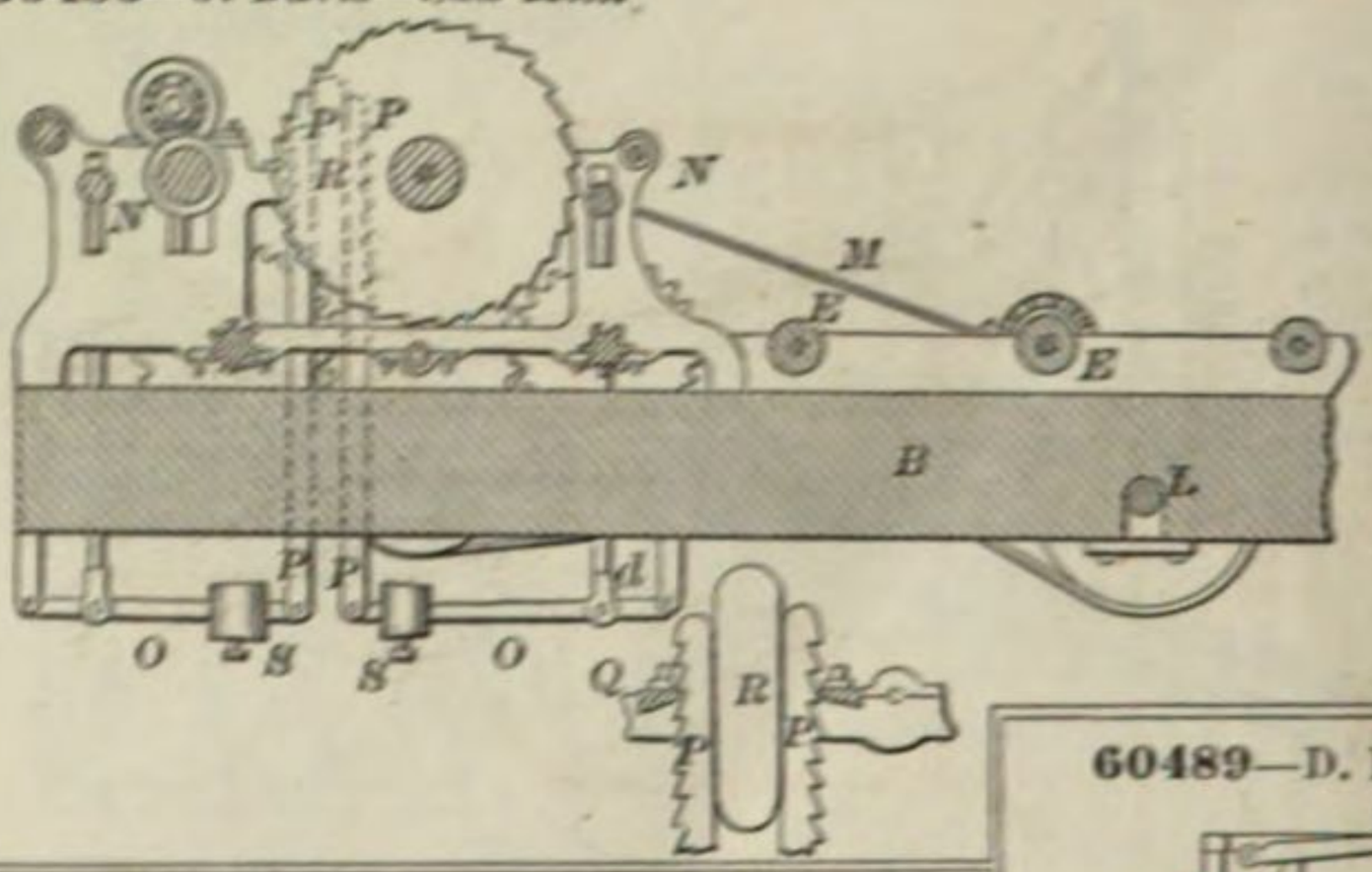
60485—J. Davis—*Saw Mill.*



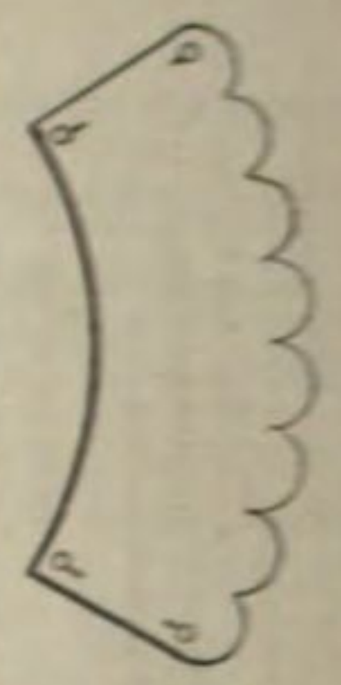
60484—Currier & Wells—*For Finishing and Boxing Paper Collars.*



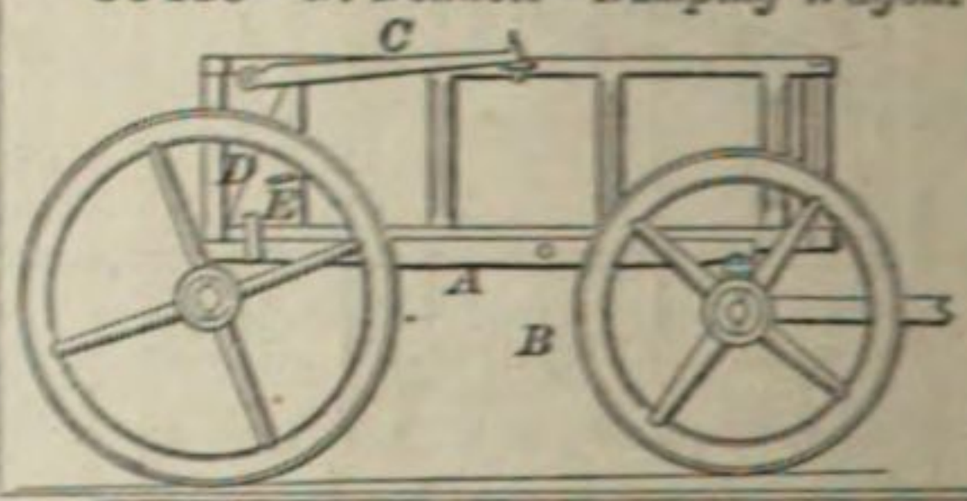
60486—J. Davis—*Saw Mill.*



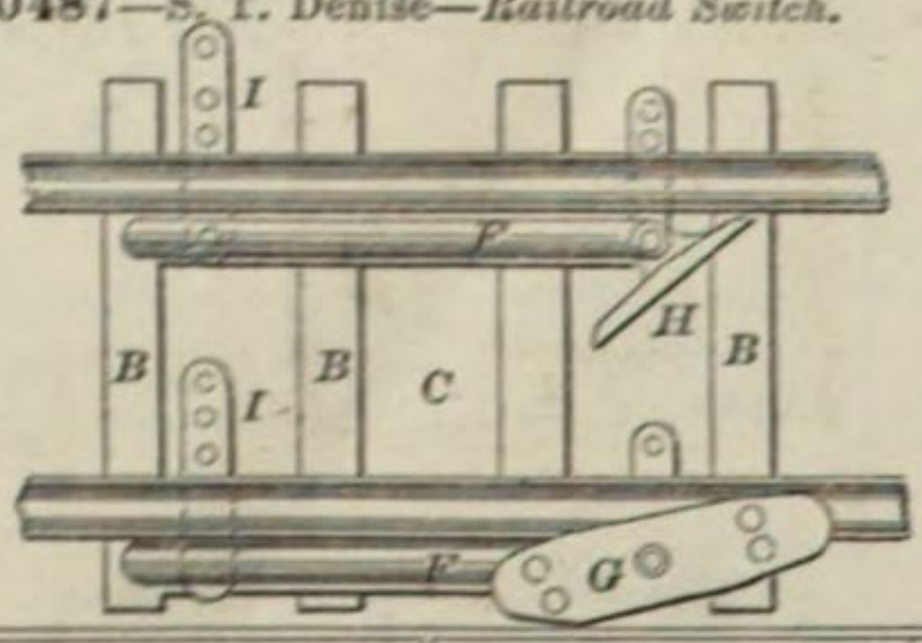
60488—Denison & Furlong—*Paper Wearing Apparel.*



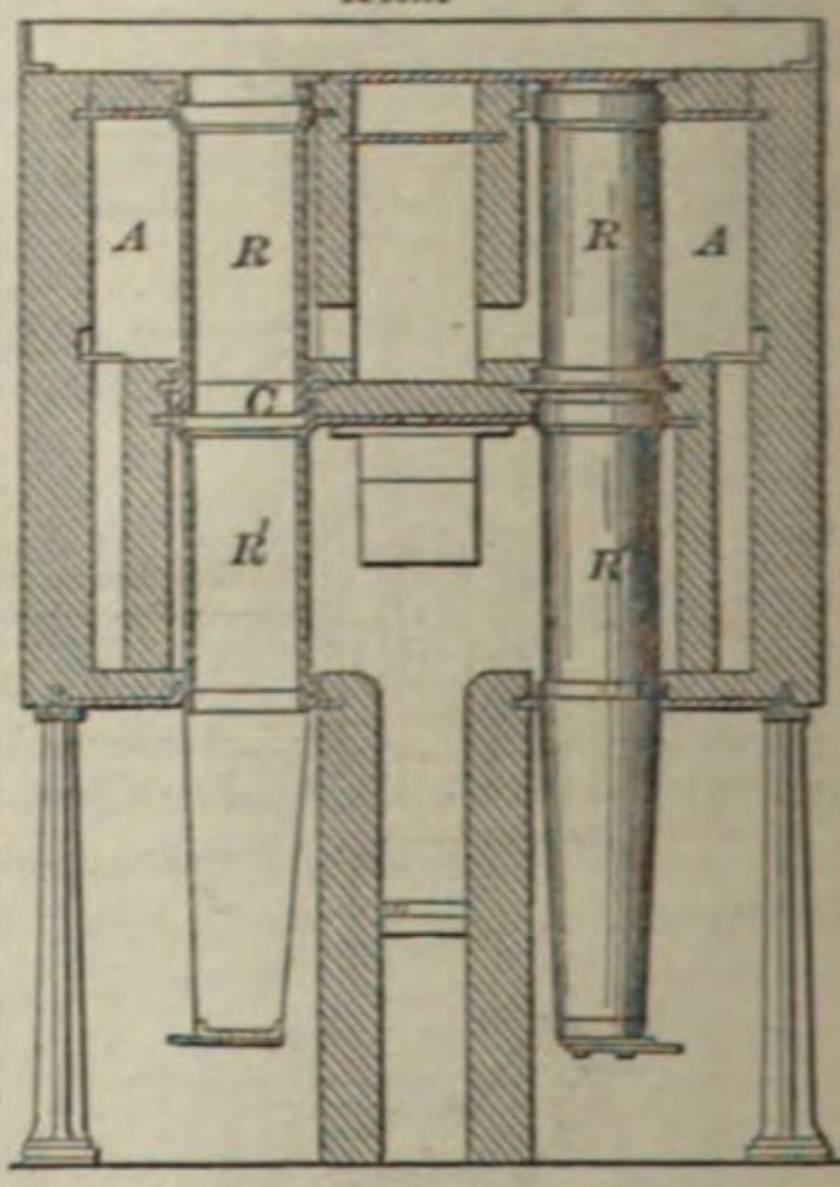
60489—D. Dennett—*Dumping Wagon.*



60487—S. T. Denise—*Railroad Switch.*



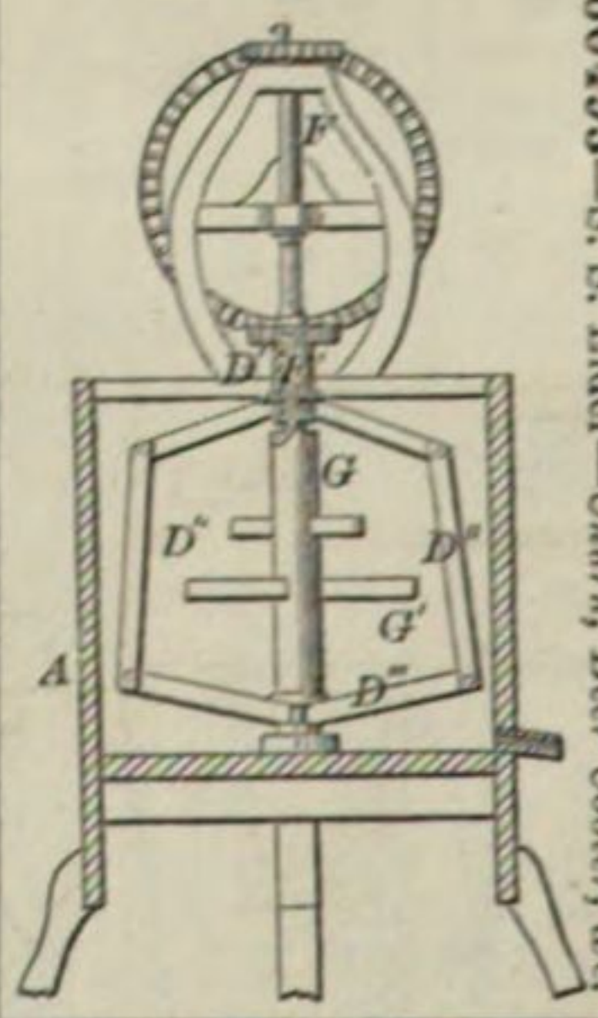
60492—E. P. Eastwick—*Bone Black Kiln.*



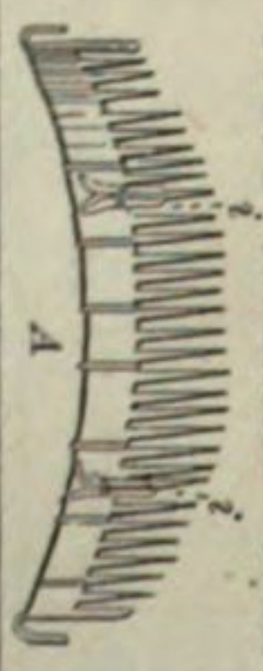
60491—J. J. Detwiller—*Igniting Illuminating Signals.*

Fig. 12

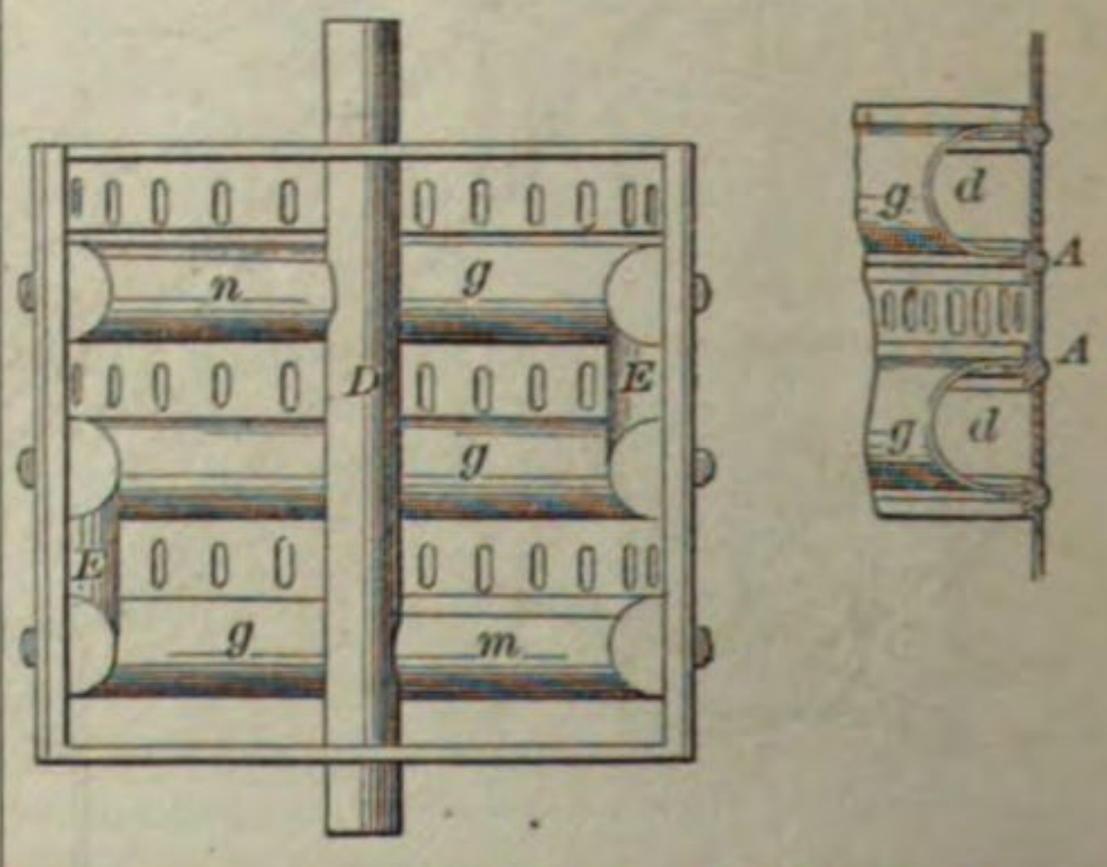
60493—S. S. Elder—*Churn, Beer Cooler, &c.*



60494—J. Emerson—*Comb.*



60490—E. Detwiler—*Radiator for Stove Pipes.*



60495—B. M. Esterle—*Wagon Wheel.*

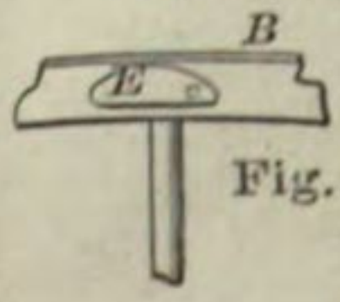
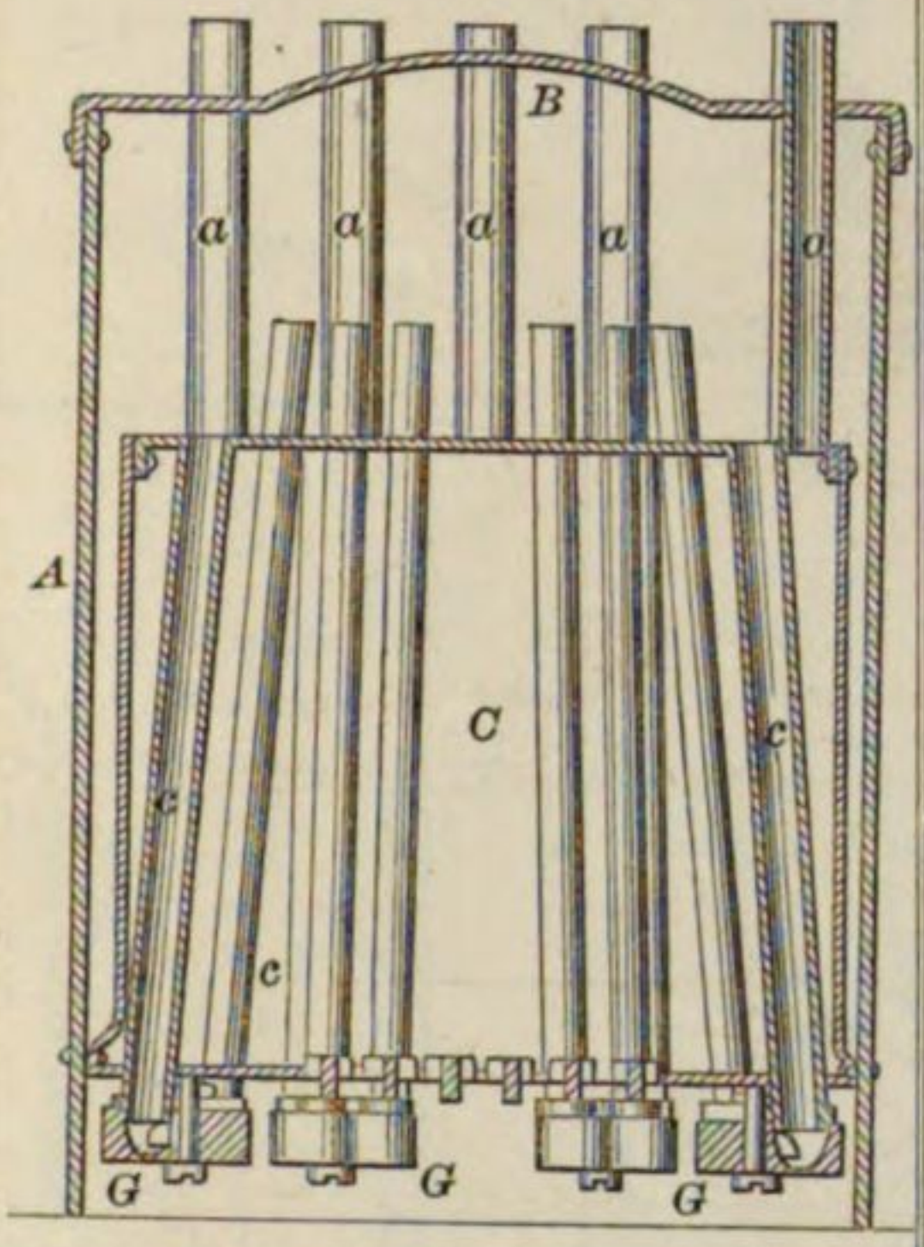
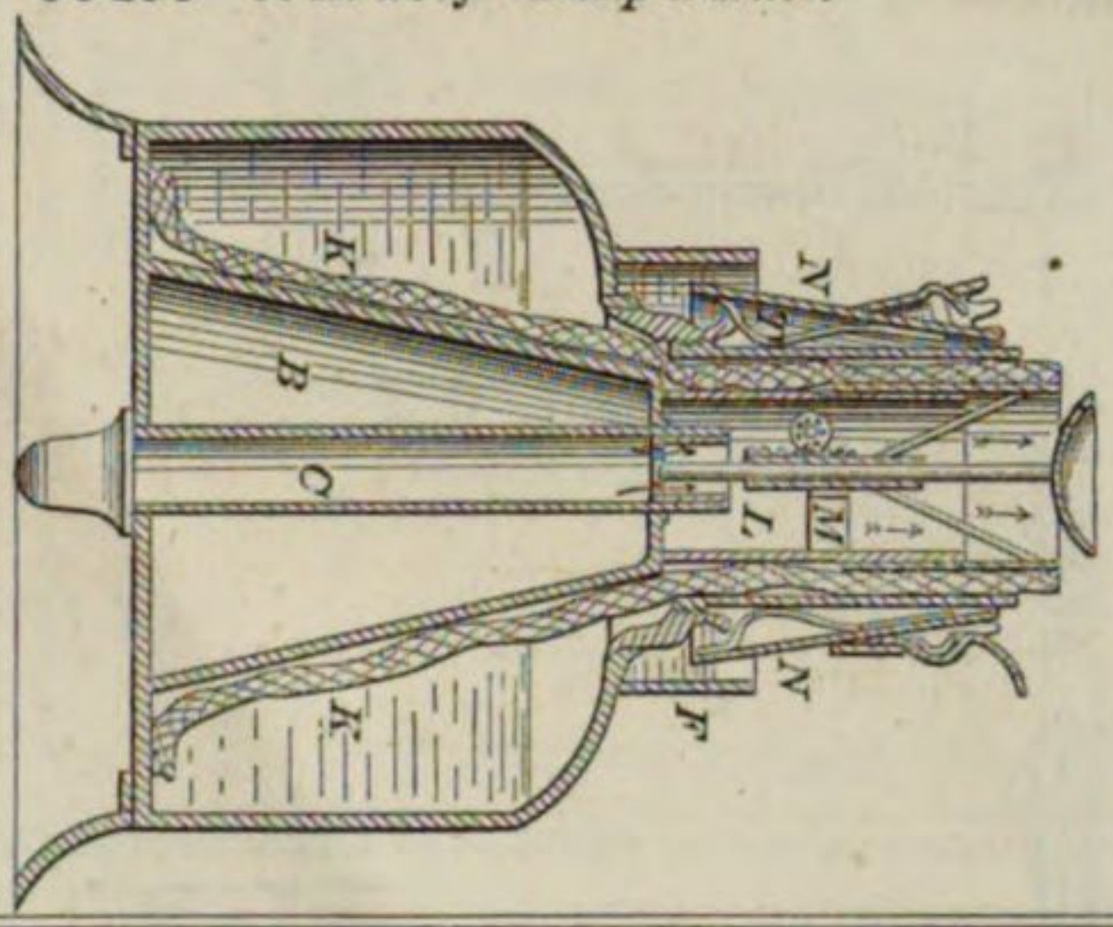


Fig. 3

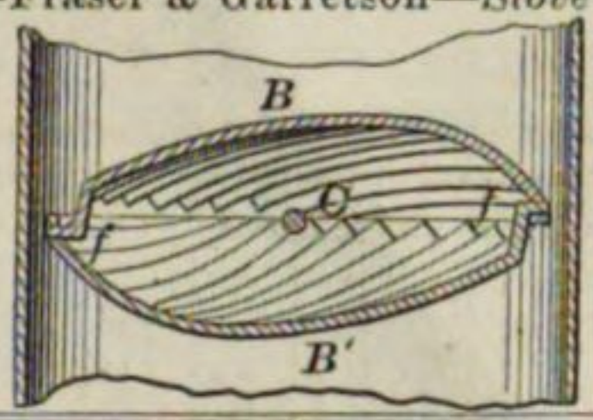
60496—H. Feyh—*Steam Generator.*



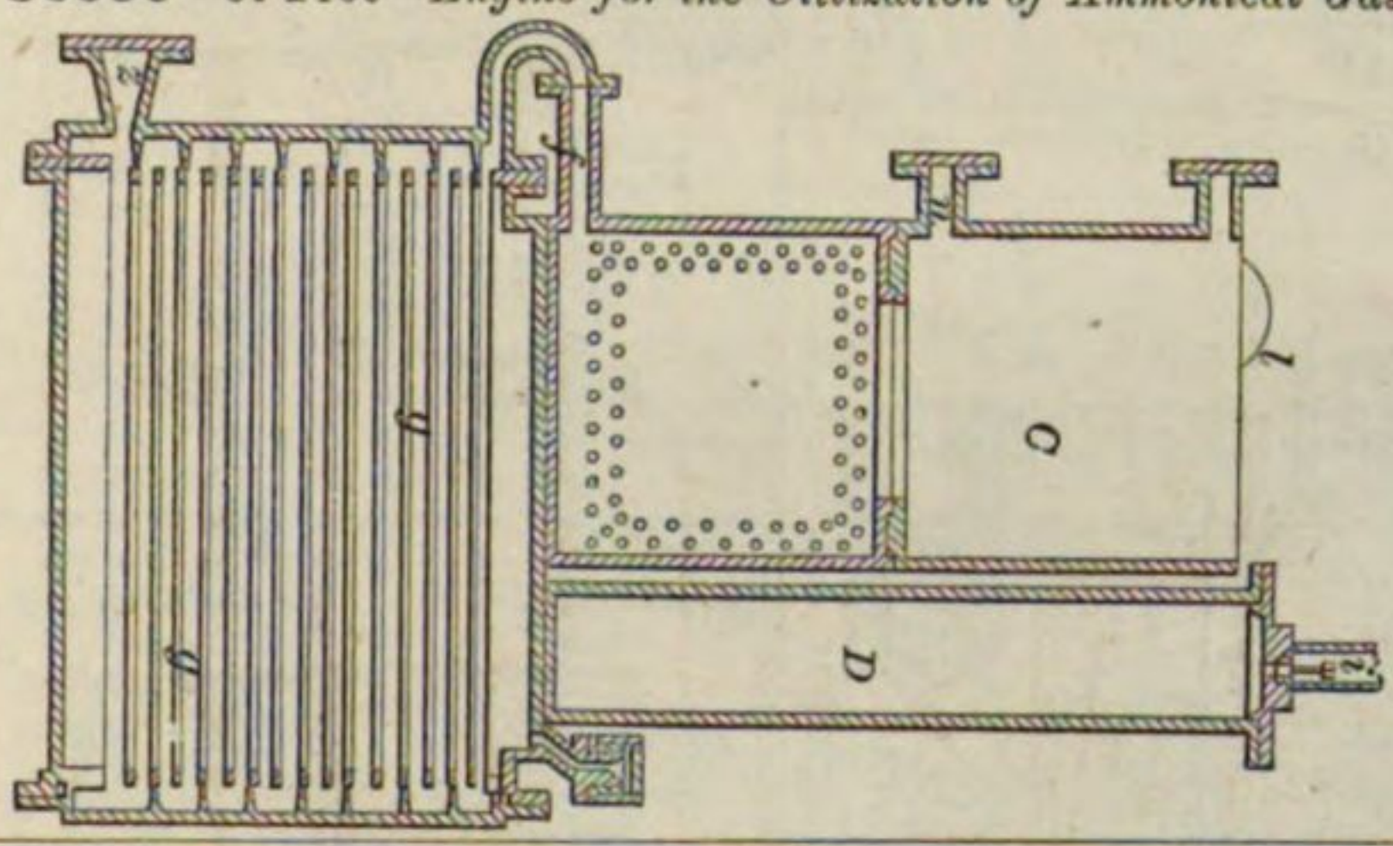
60499—J. A. Frey—*Lamp Burner.*



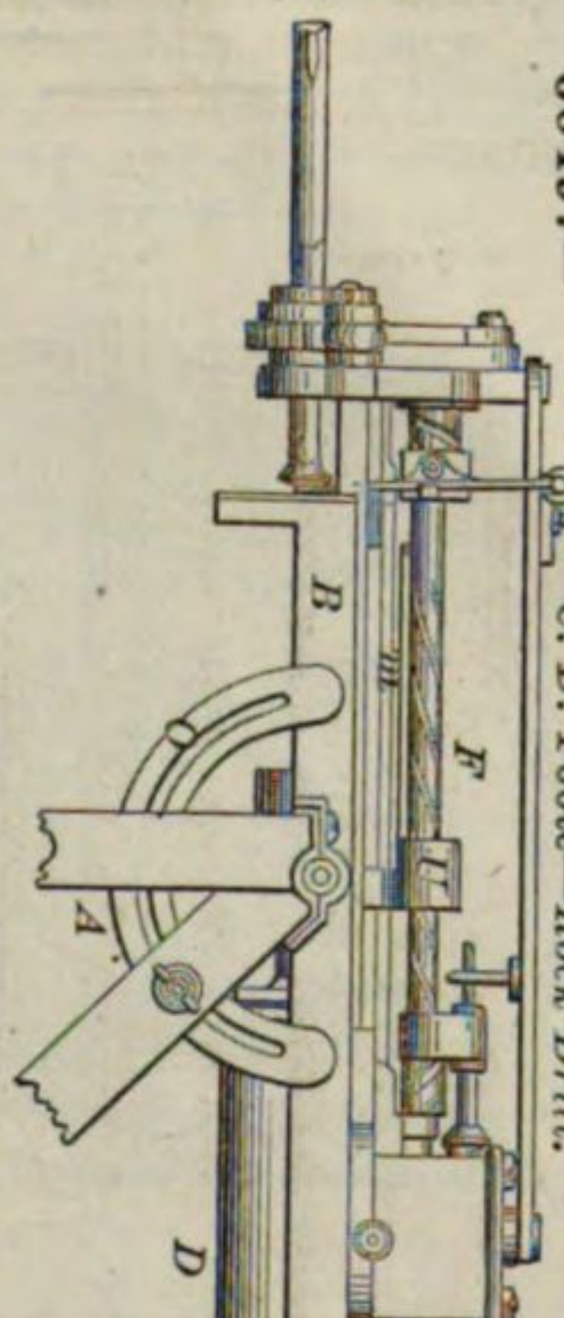
60498—Fraser & Garretson—*Stove Pipe Damper.*



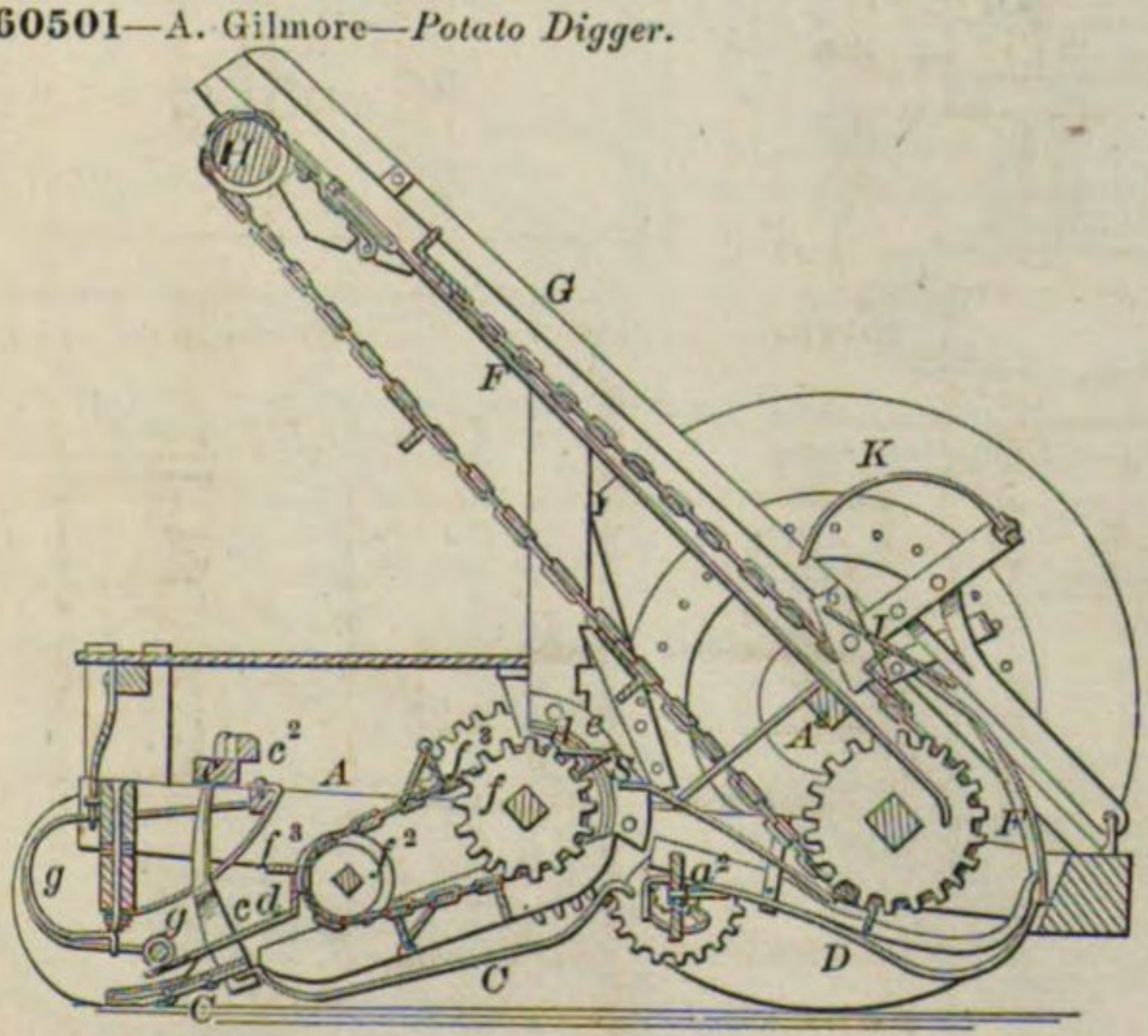
60500—J. Frot—*Engine for the Utilization of Ammonical Gas.*

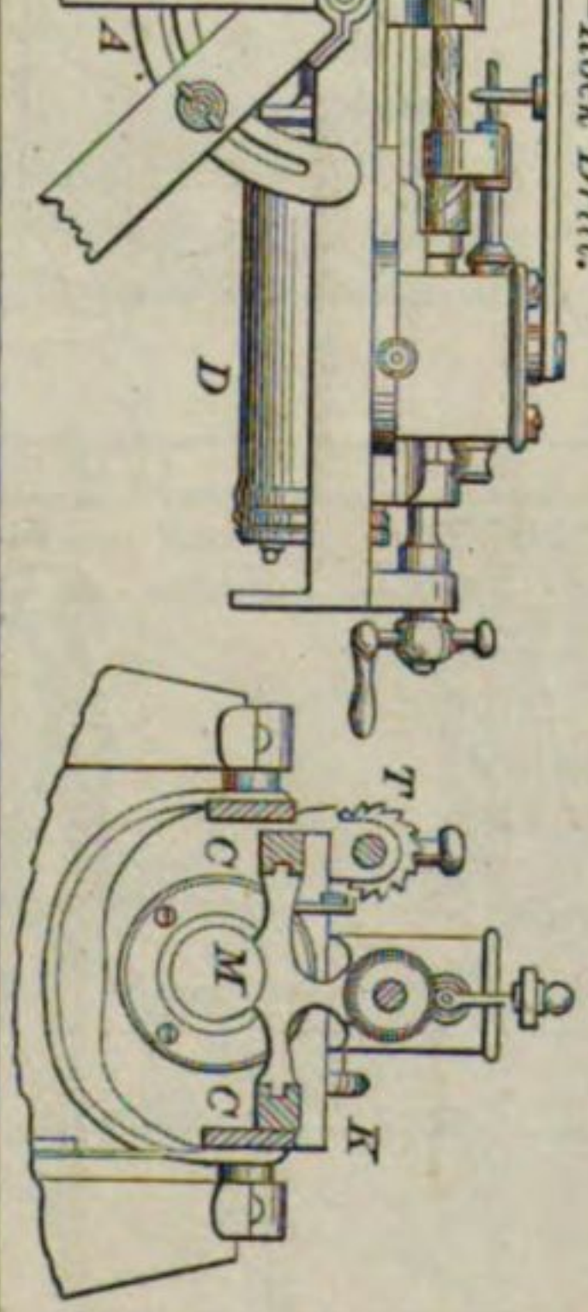


60497—C. D. Foote—*Rock Drill.*

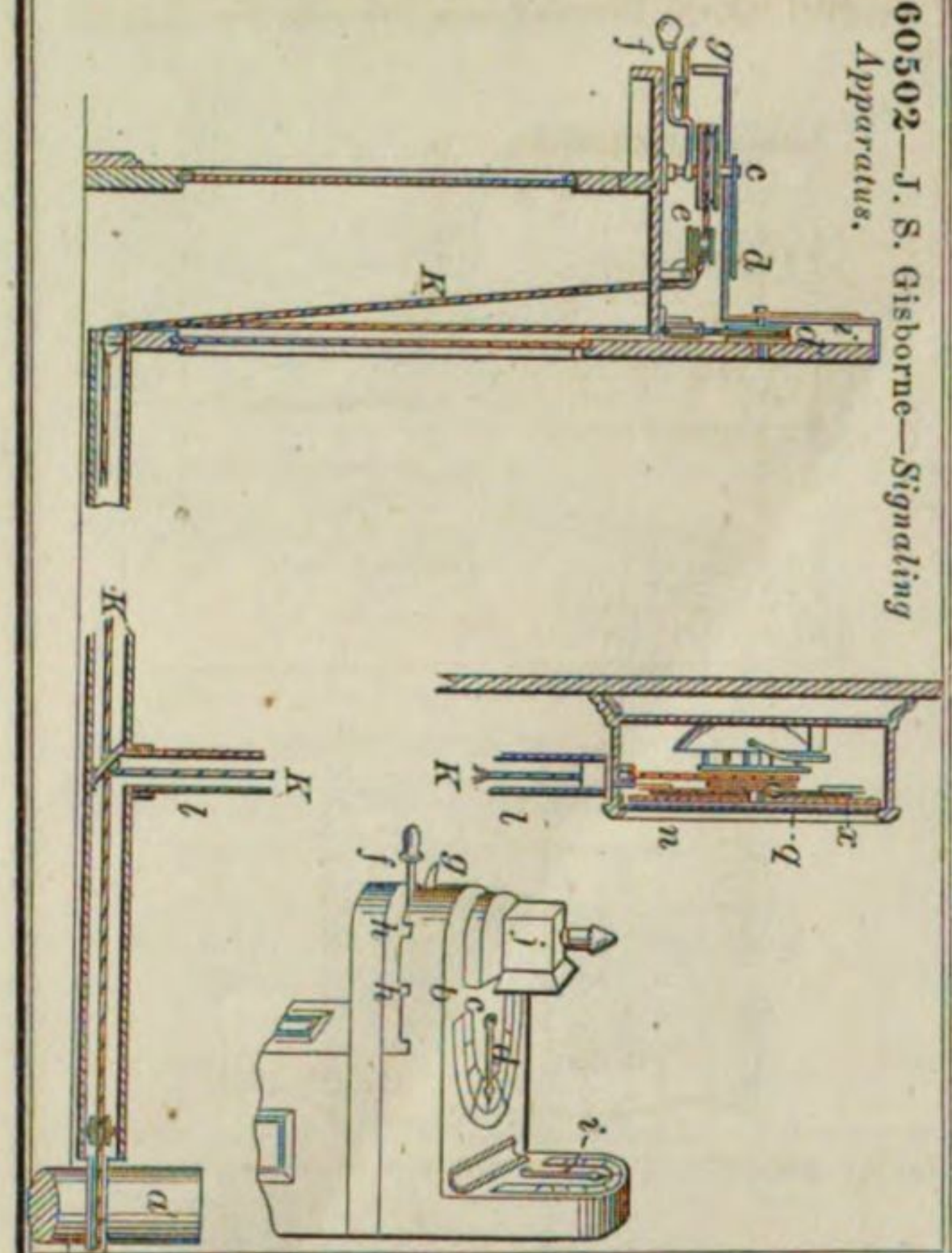


60501—A. Gilmore—*Potato Digger.*

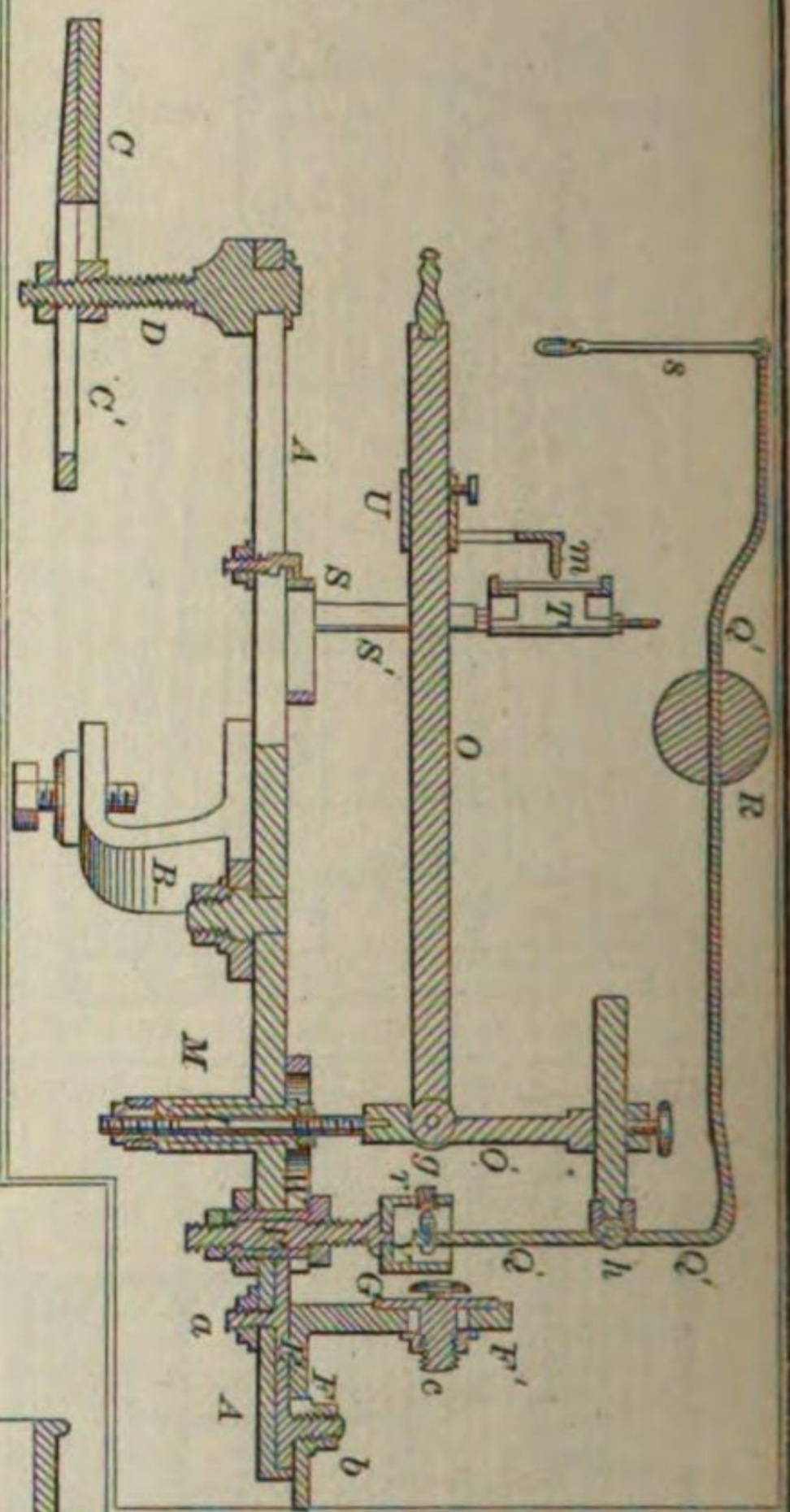




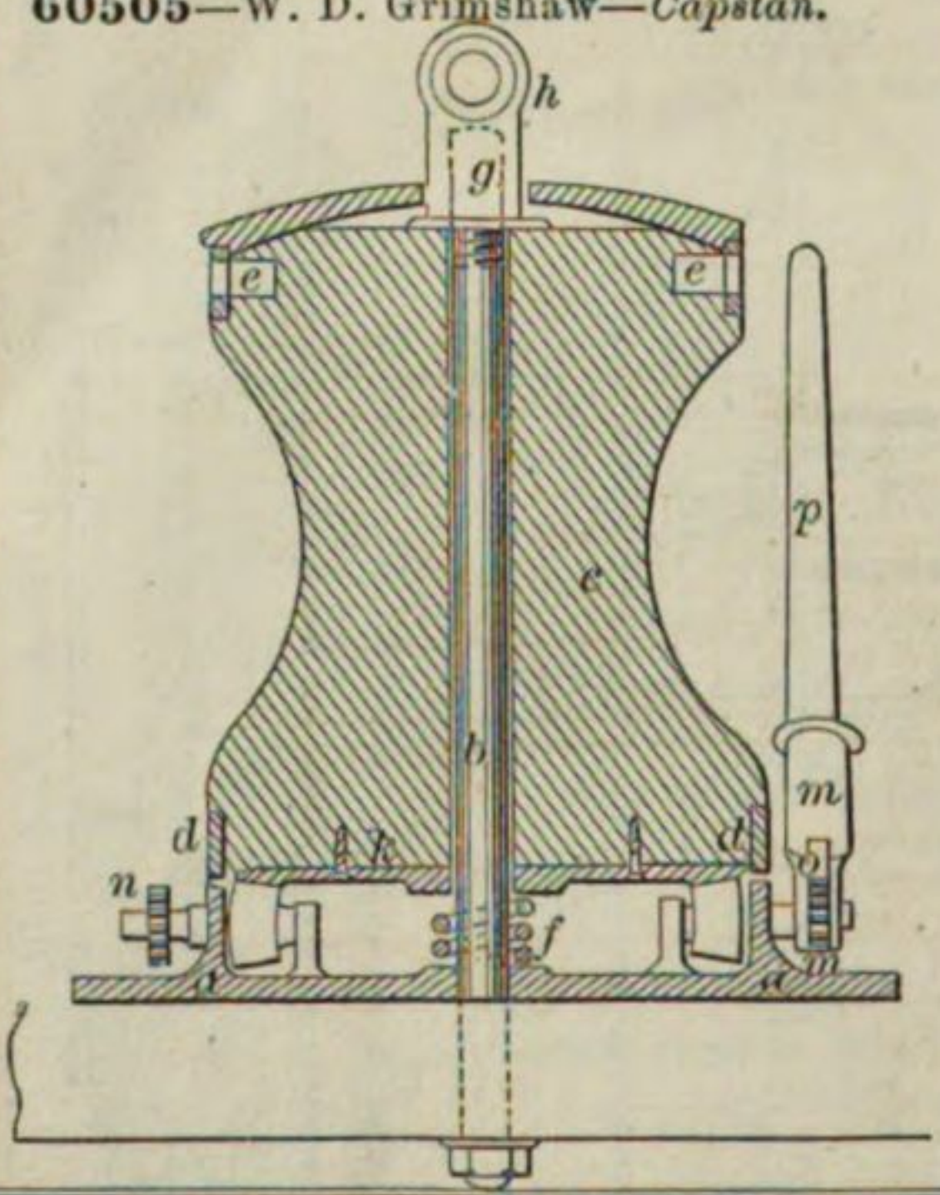
60502—J. S. Gisborne—*Signaling Apparatus.*



60506—Guerrant & Field—*Engraving Machine.*

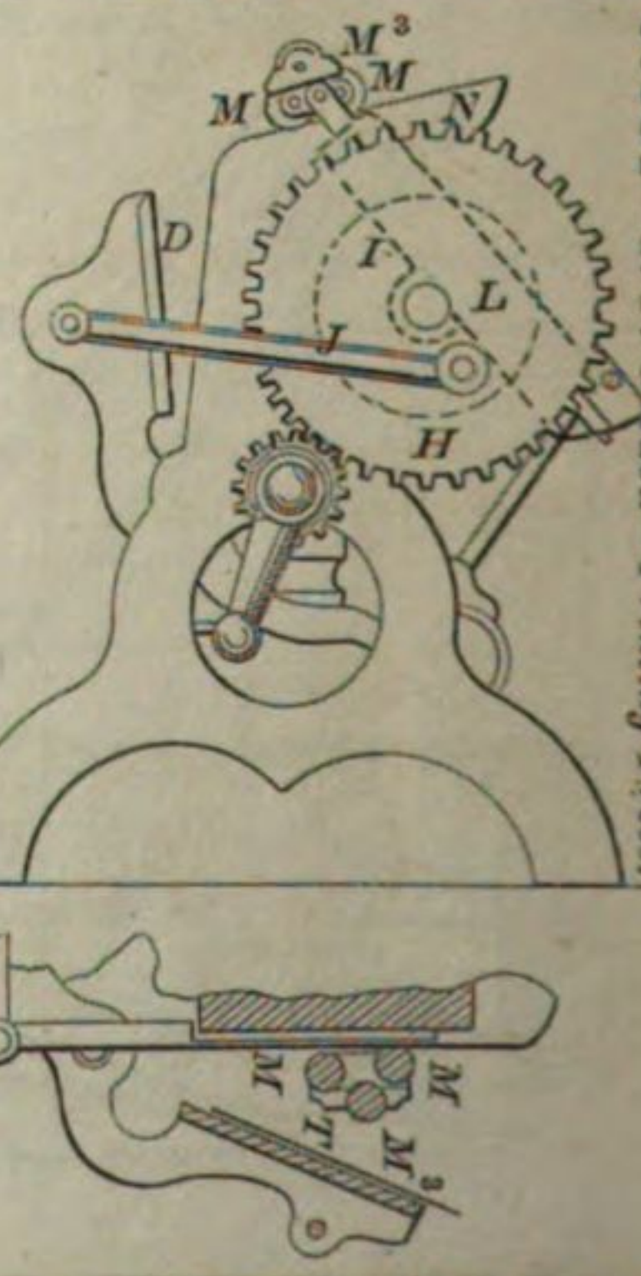


60505—W. D. Grimshaw—*Capstan.*

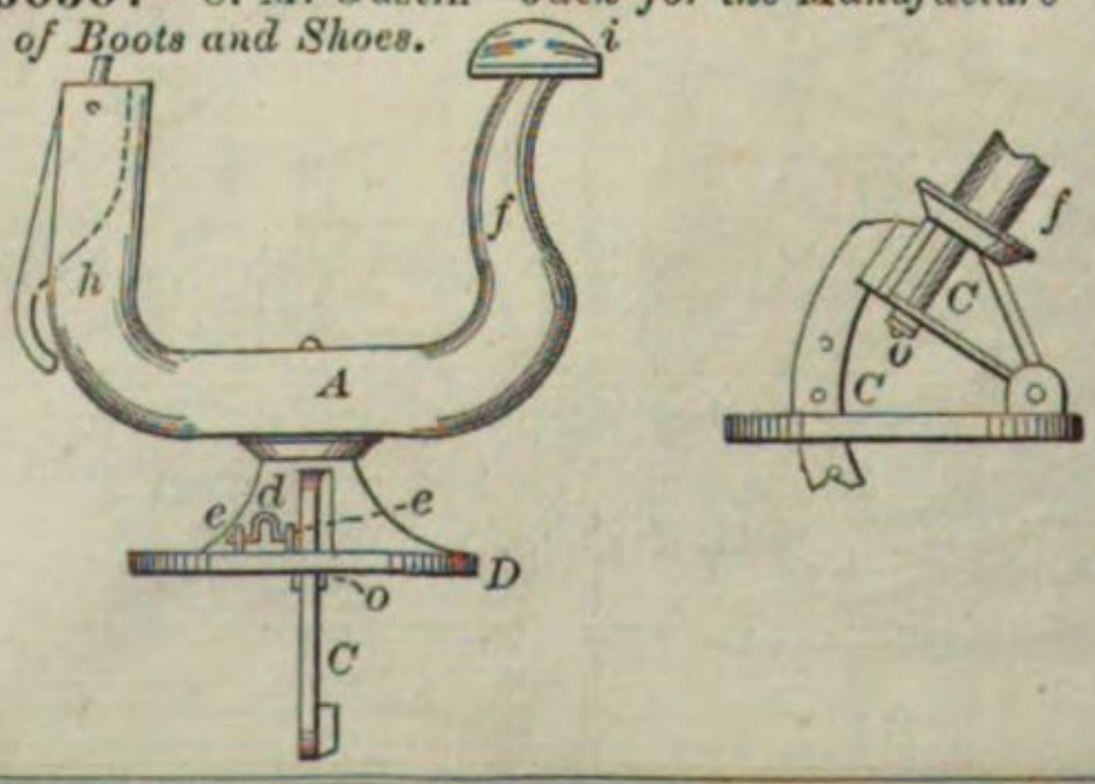


60503—S. Gissinger—*Clamp for Gluing the Tips on Billiard Cues.*

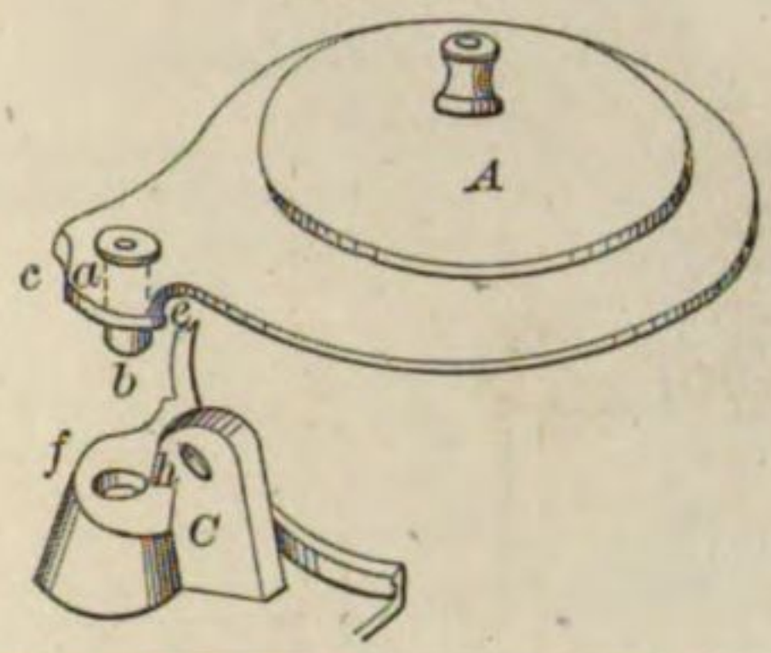
60504—G. P. Gordon—*Printing Press.*



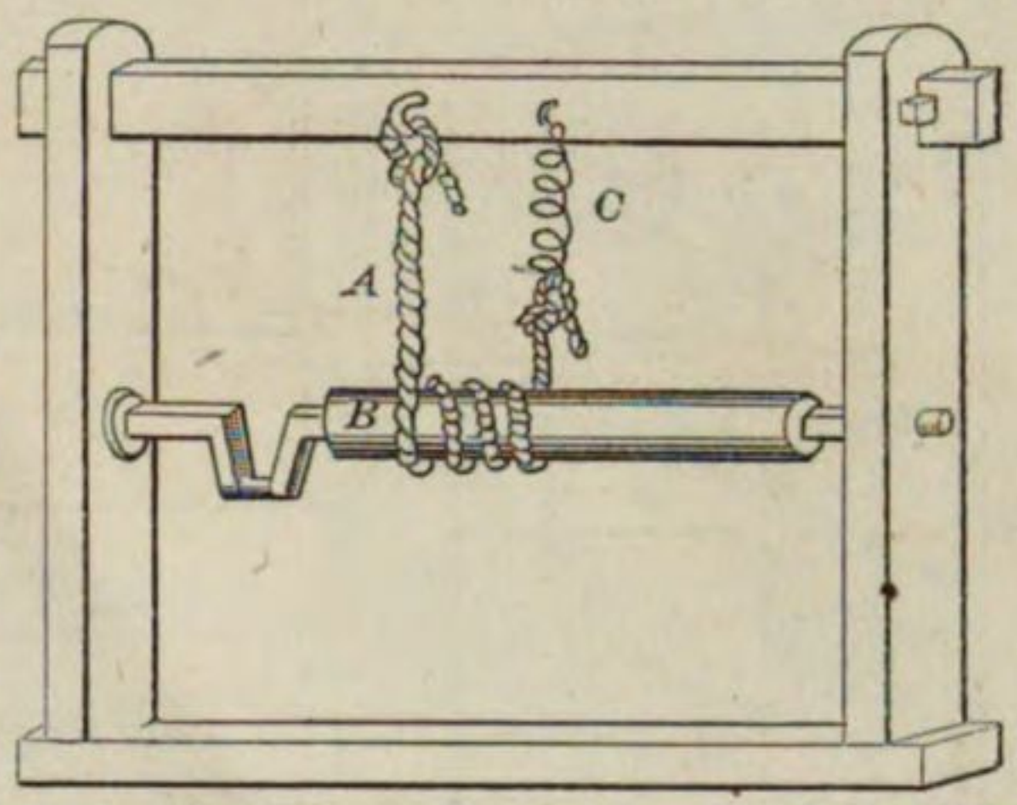
60507—C. M. Gustin—*Jack for the Manufacture of Boots and Shoes.*



60508—W. Hailes—*Attaching Covers to Kettles, &c.*

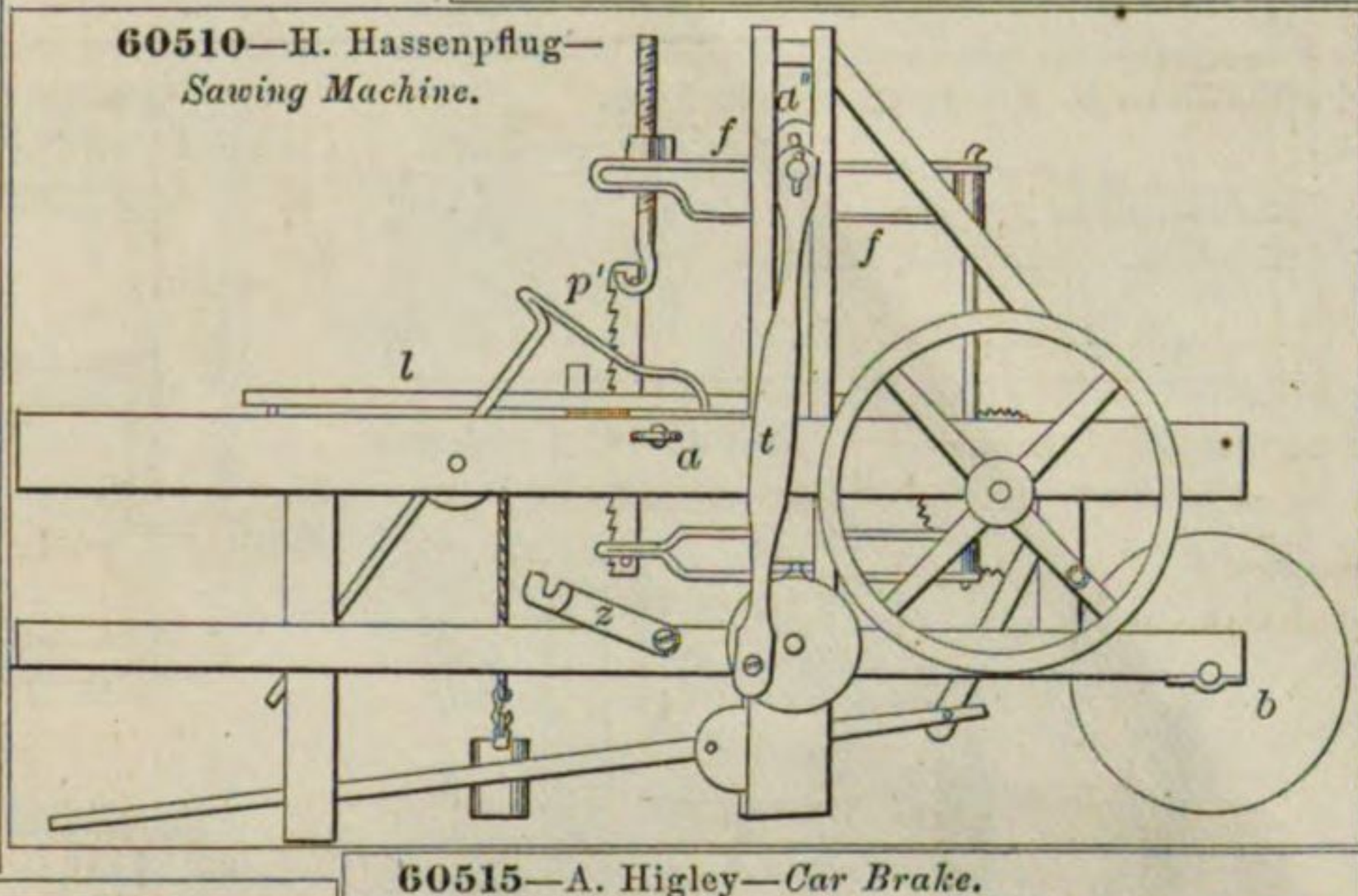


60509—J. Hanley—*Spiral Friction Clutch.*

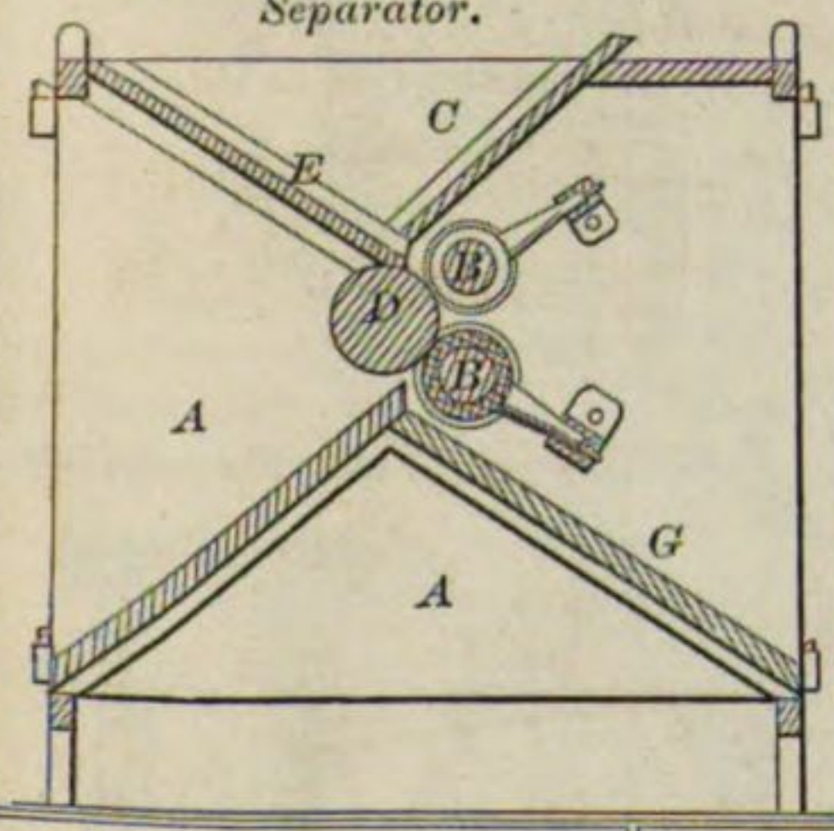


60511—F. Hatch—*Blacking Brush and Box.*

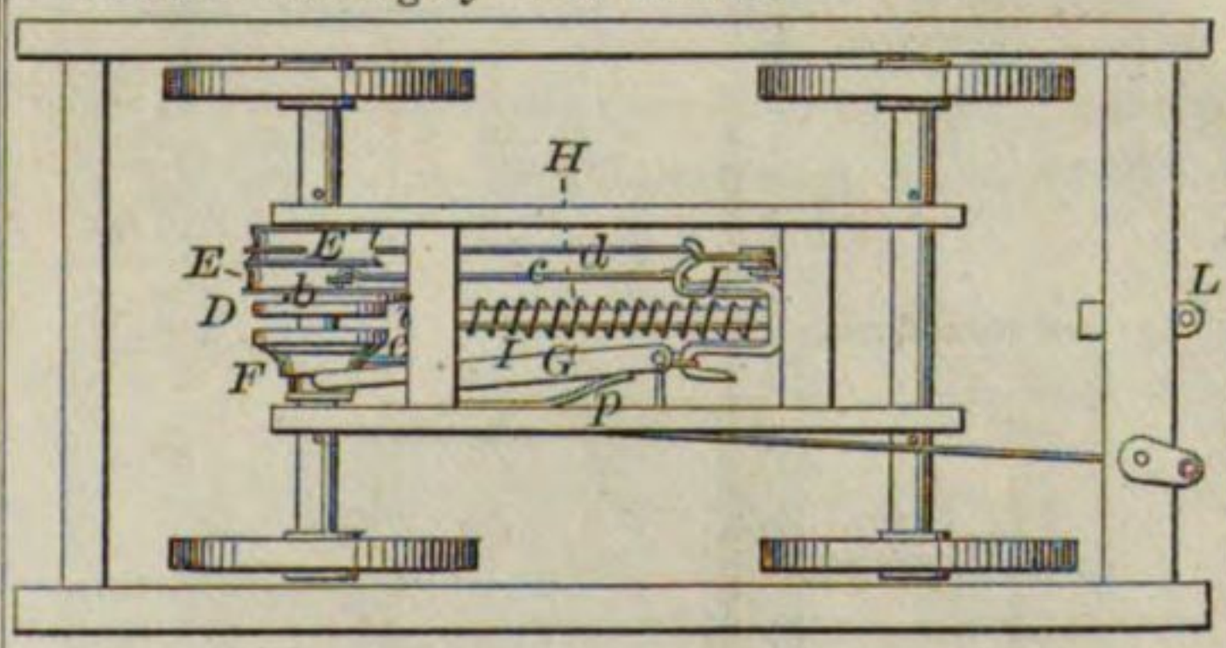
60510—H. Hassenpflug—*Sawing Machine.*

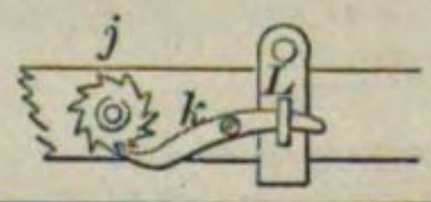


60513—Heflebower & Reed—*Separator.*

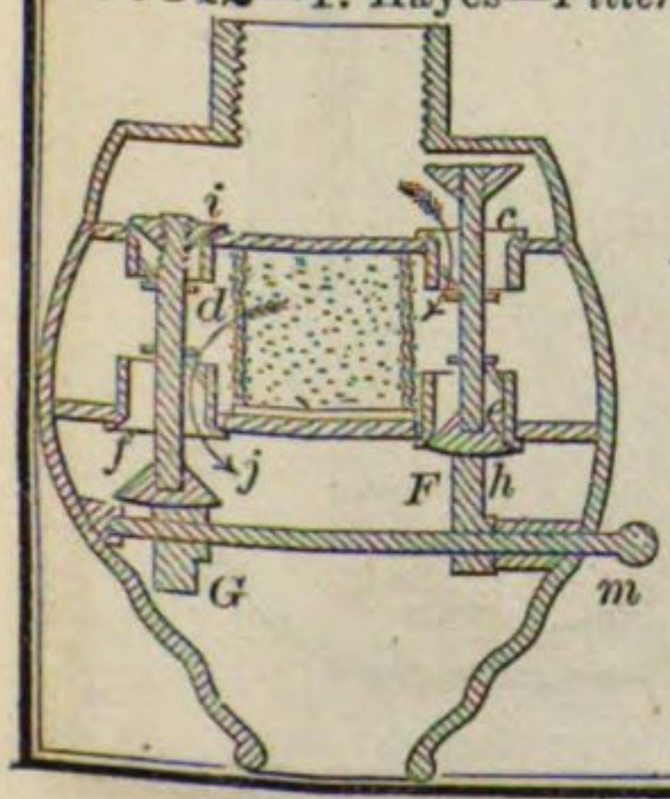


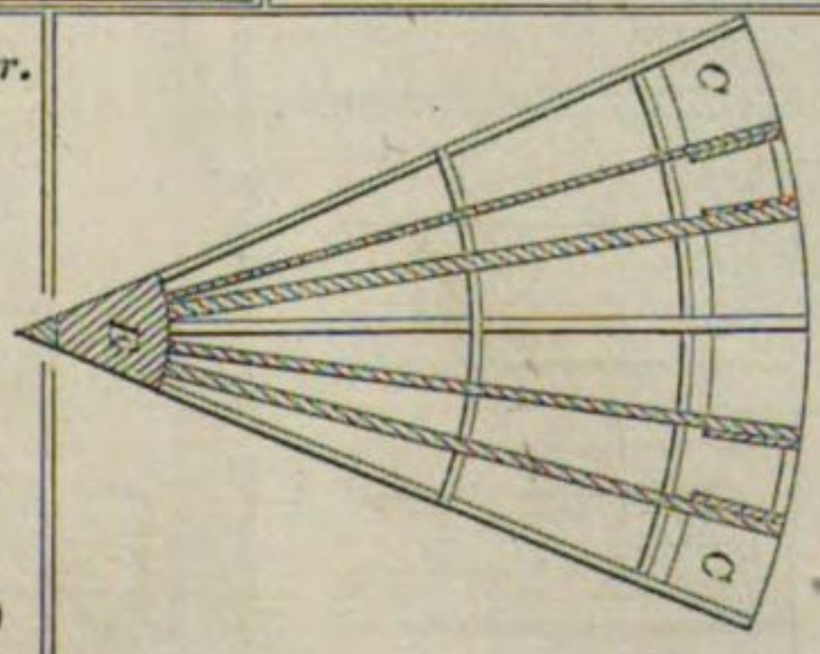
60515—A. Higley—*Car Brake.*



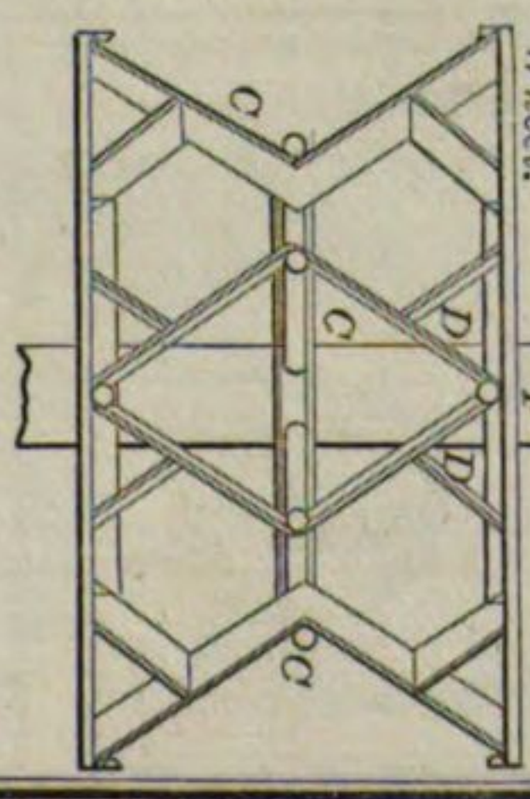


60512—T. Hayes—*Filter.*

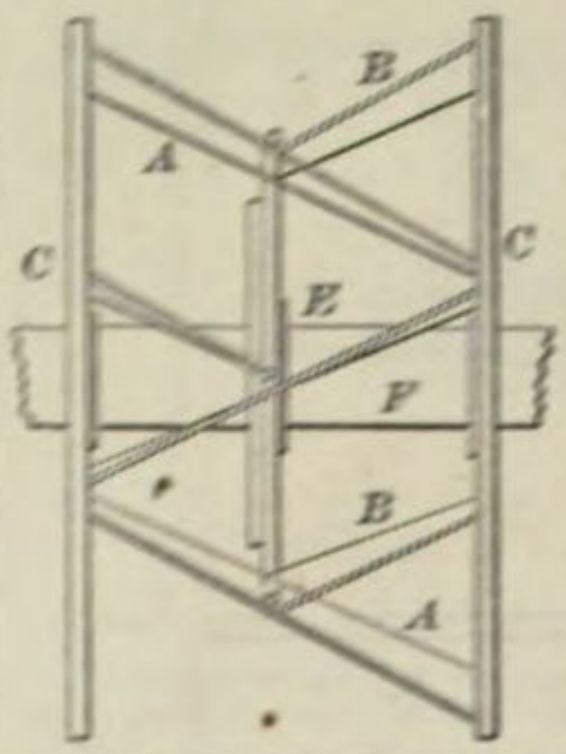




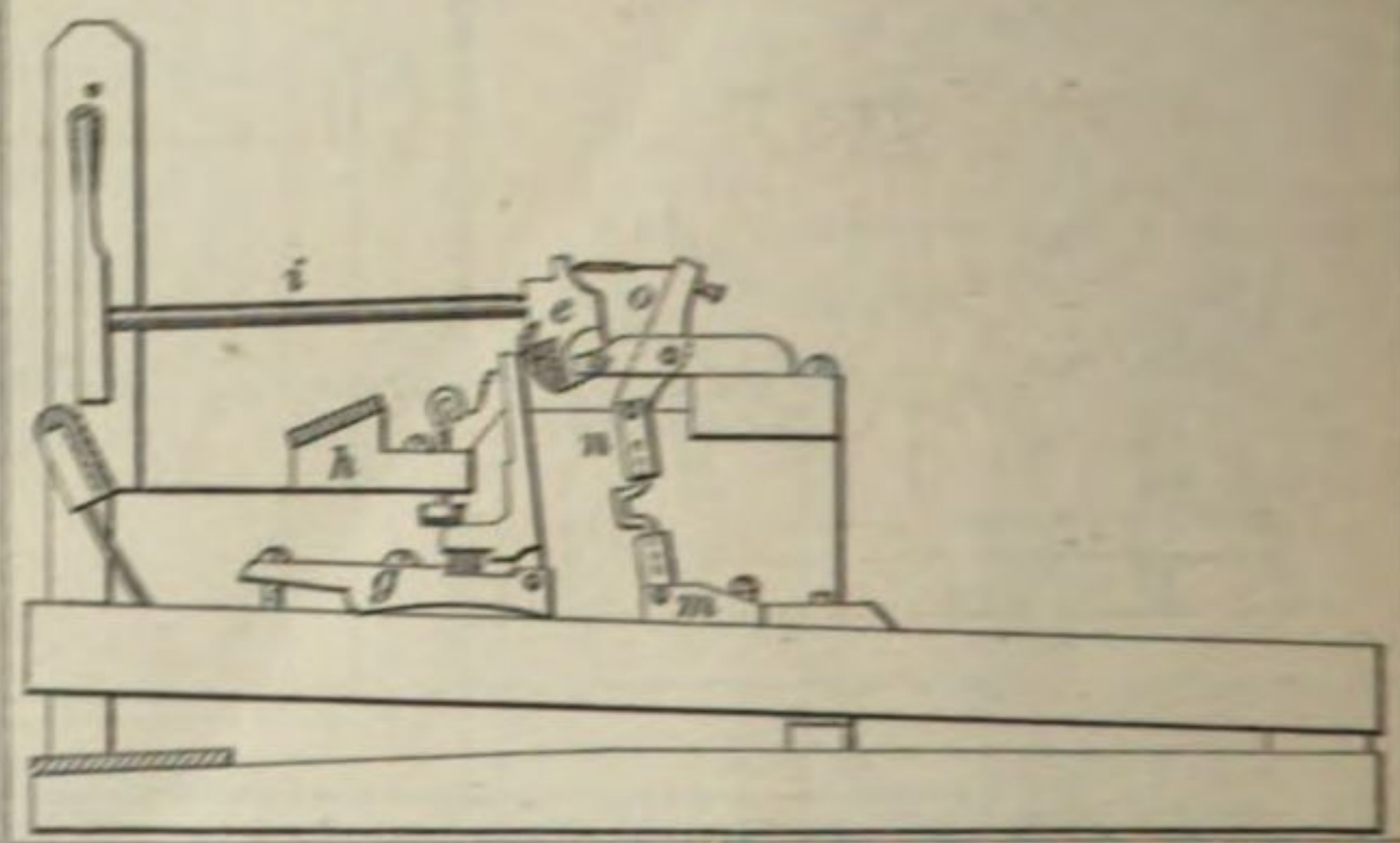
60517—W. H. Holland—*Paddle Wheel.*



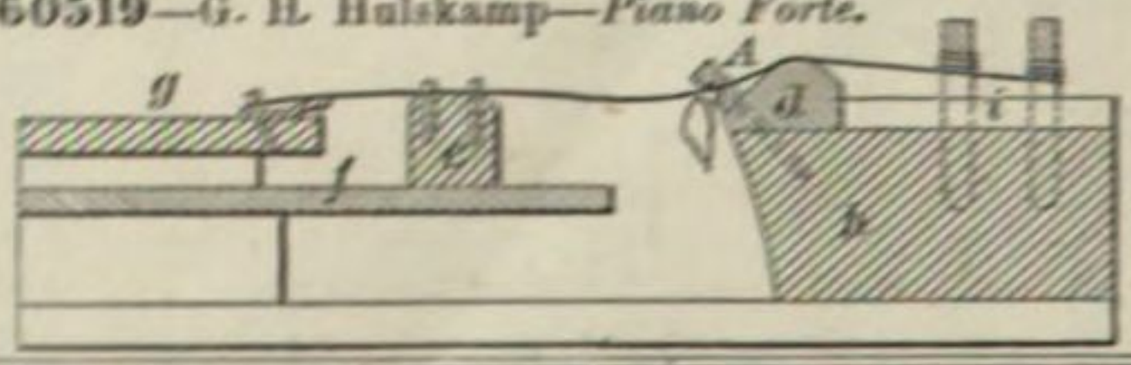
60518—W. H. Holland—*Paddle Wheel.*



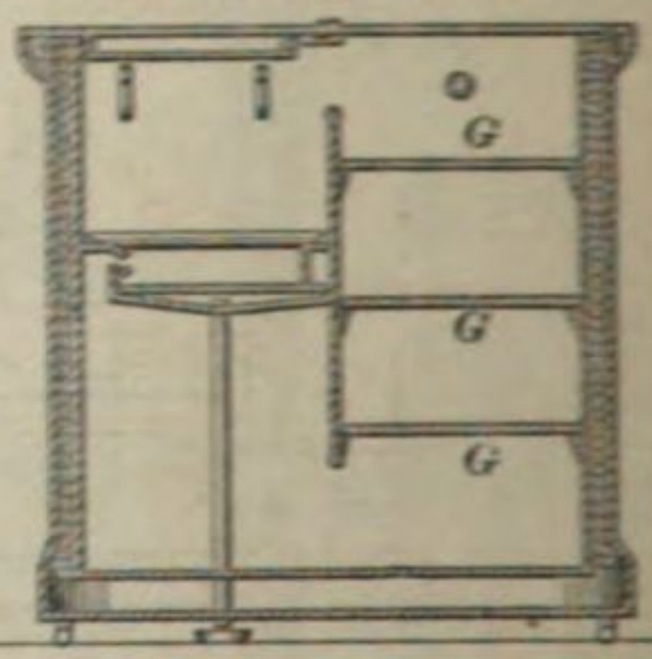
60520—J. Hurd—*Piano Forte.*



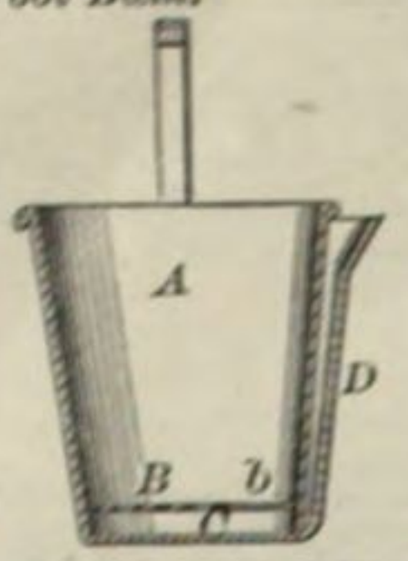
60519—G. H. Hulskamp—*Piano Forte.*



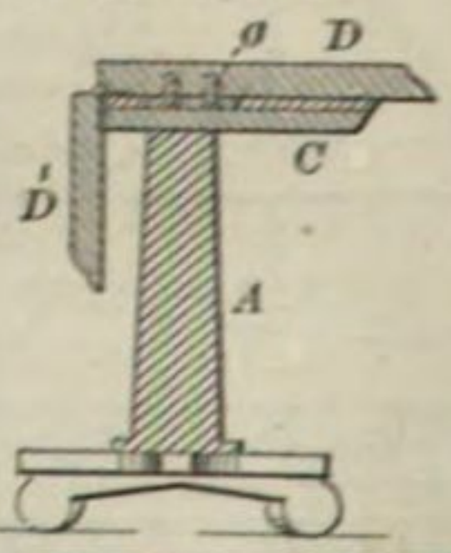
60523—J. C. Jewett—*Bar or Slat for Refrigerators.*



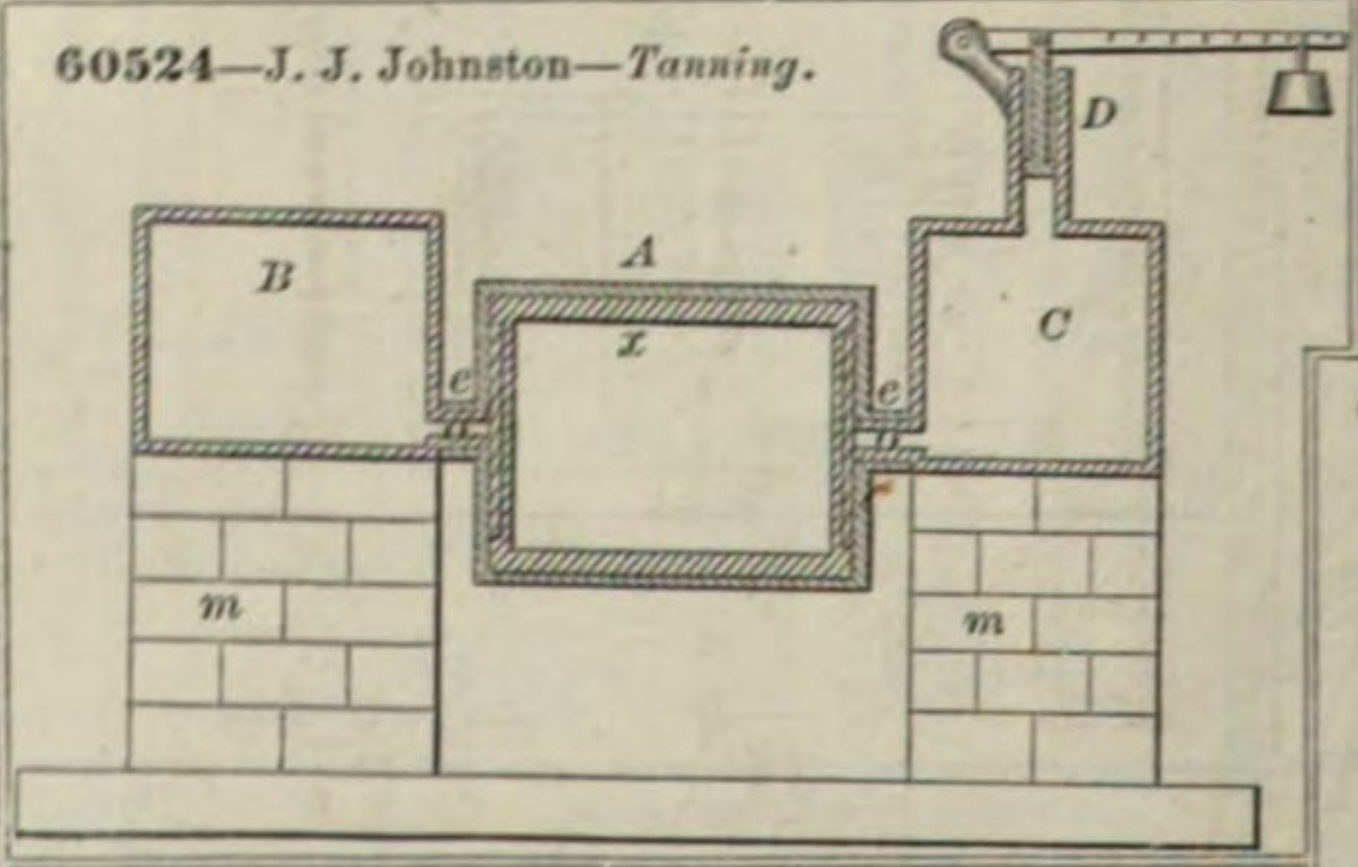
60521—I. A. Isaacs—*Foot Bath.*



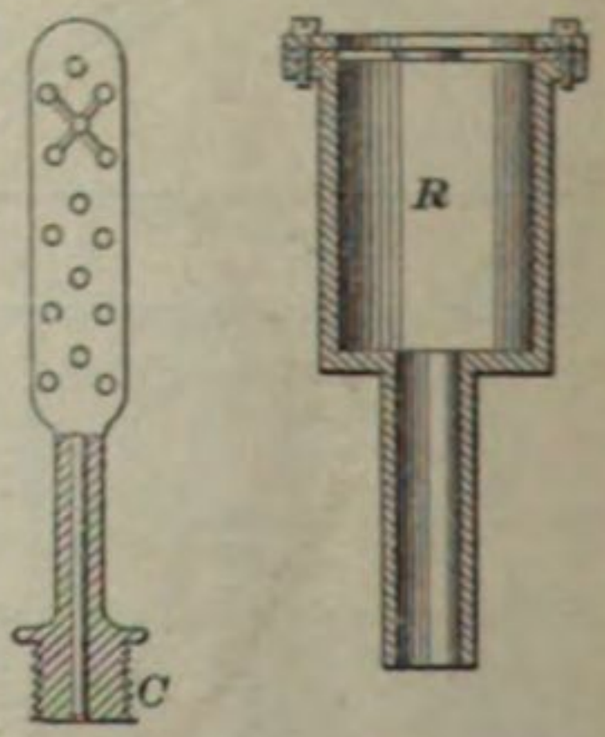
60525—E. Lampman—*Centre Table.*



60524—J. J. Johnston—*Tanning.*

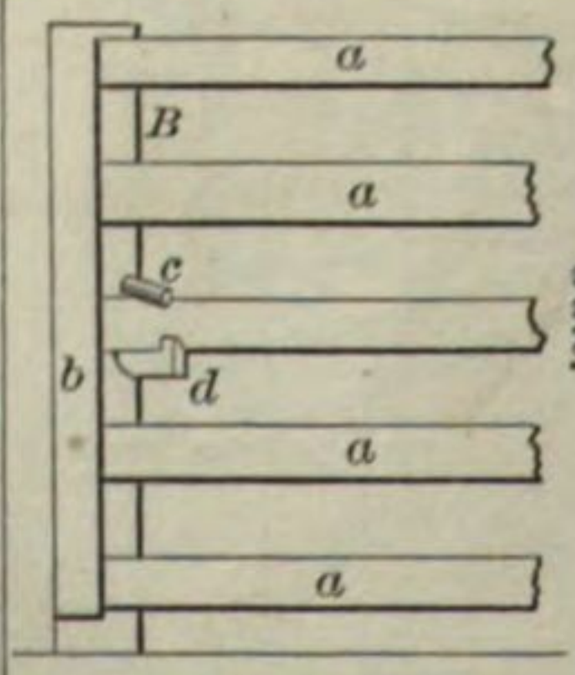


60526—S. M. Landis—*Syringe.*



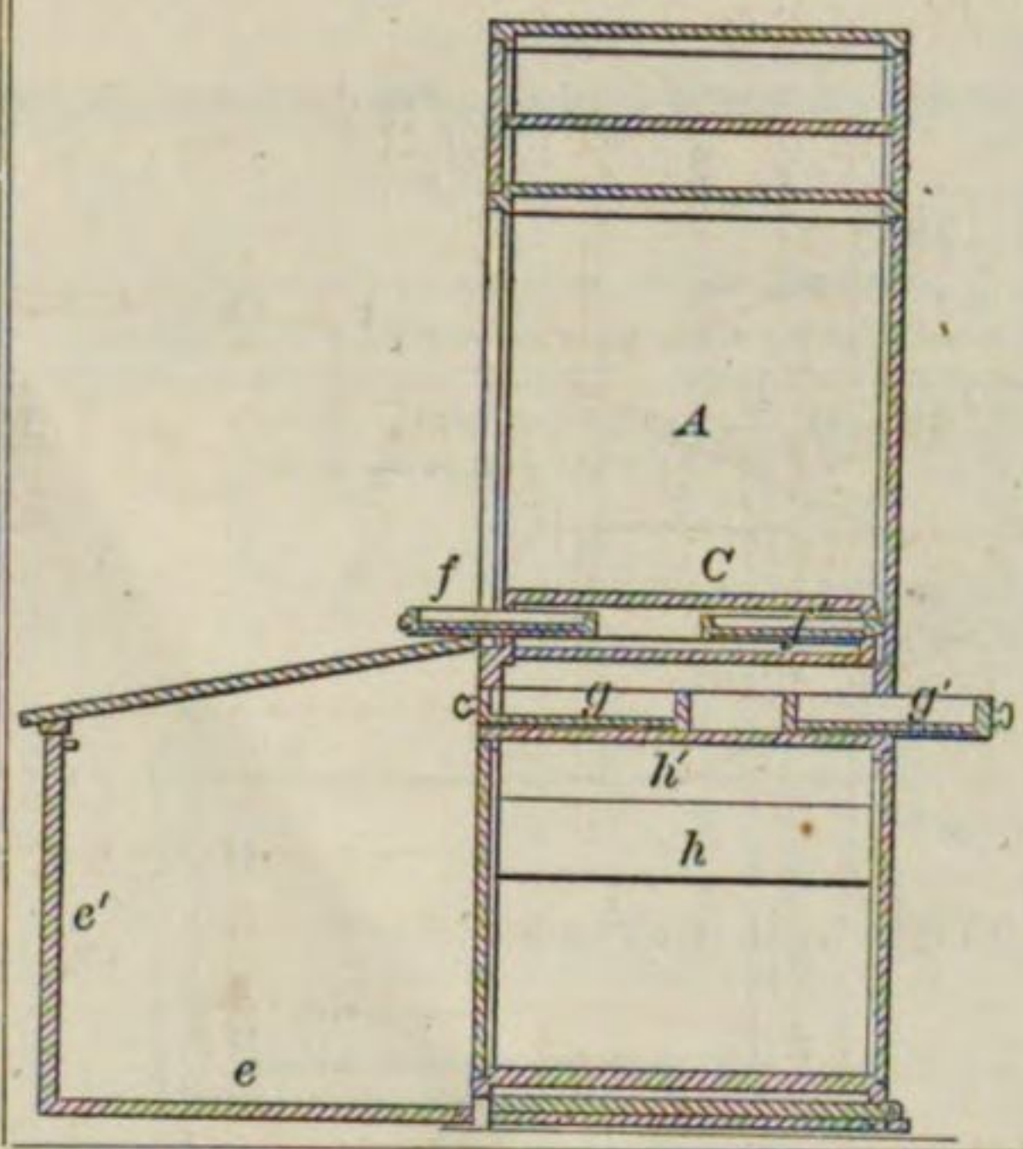
60522—H. Jahne—*Watch Chain Fastening.*

60527—N. Larrowe—*Farm Gate.*

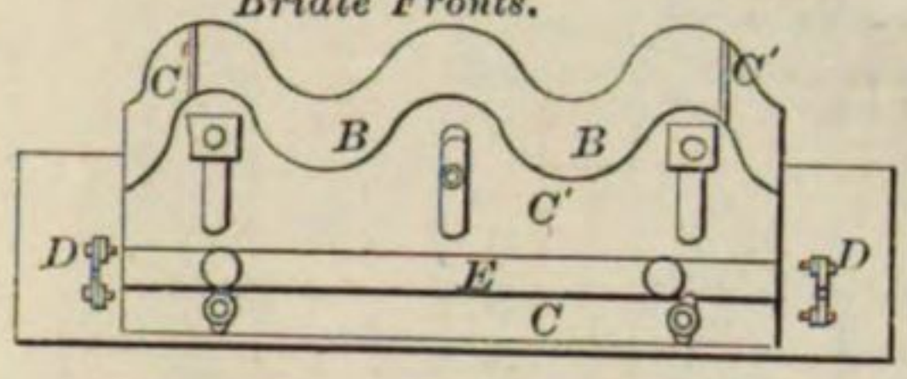


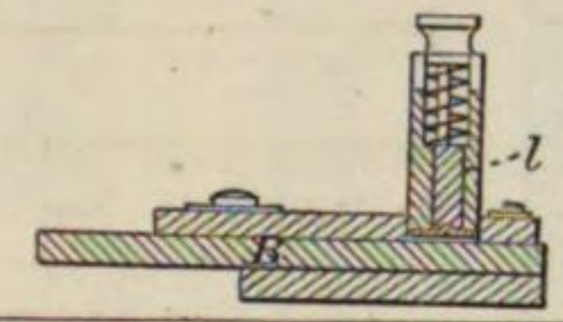
60528—R. G. Latting—*Cotton Bale Tie.*

60529—W. W. Levering—*Cabinet.*

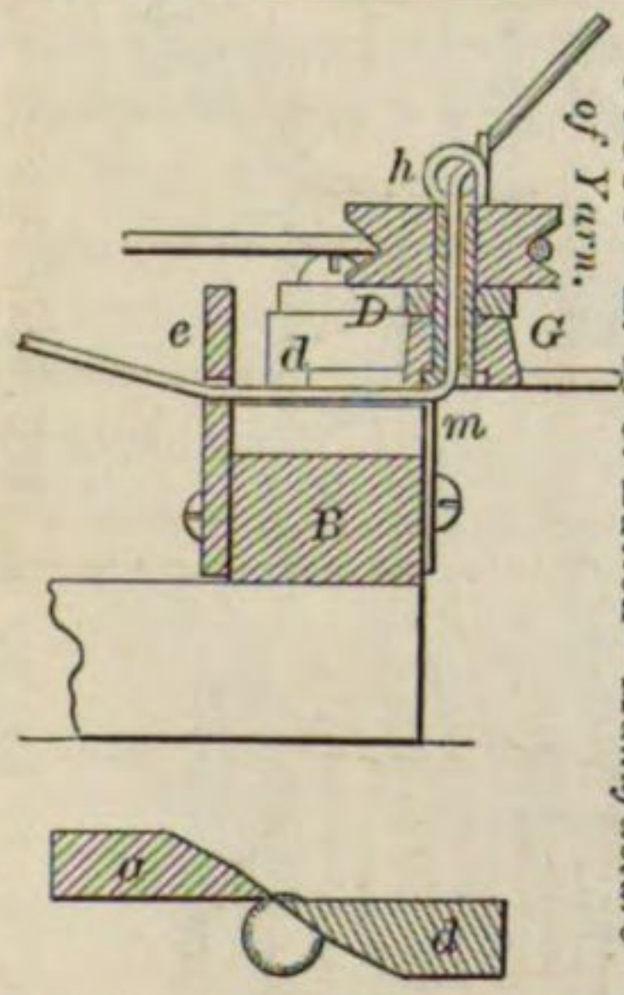


60531—I. Manning—*For Forming Bridle Fronts.*

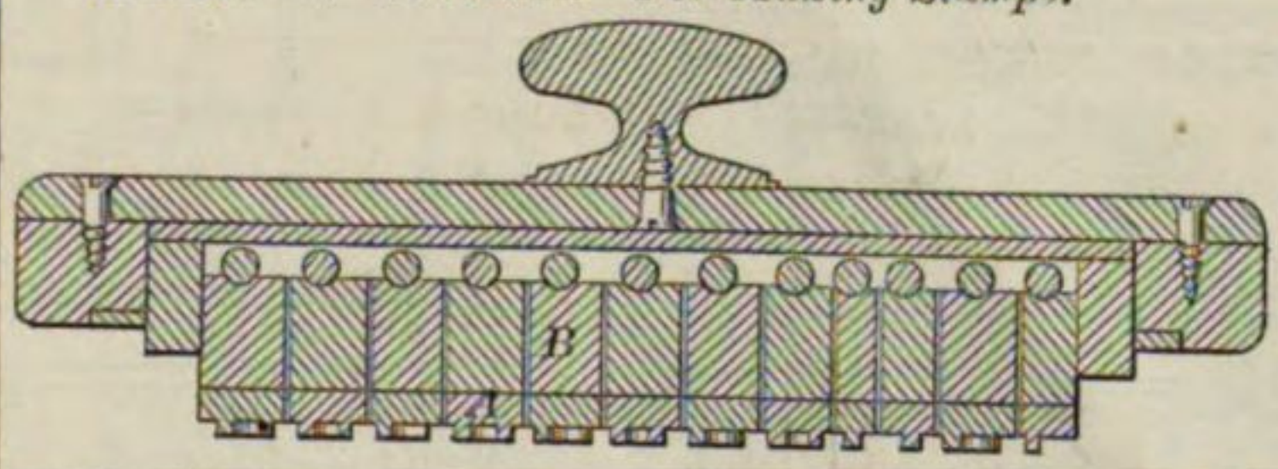




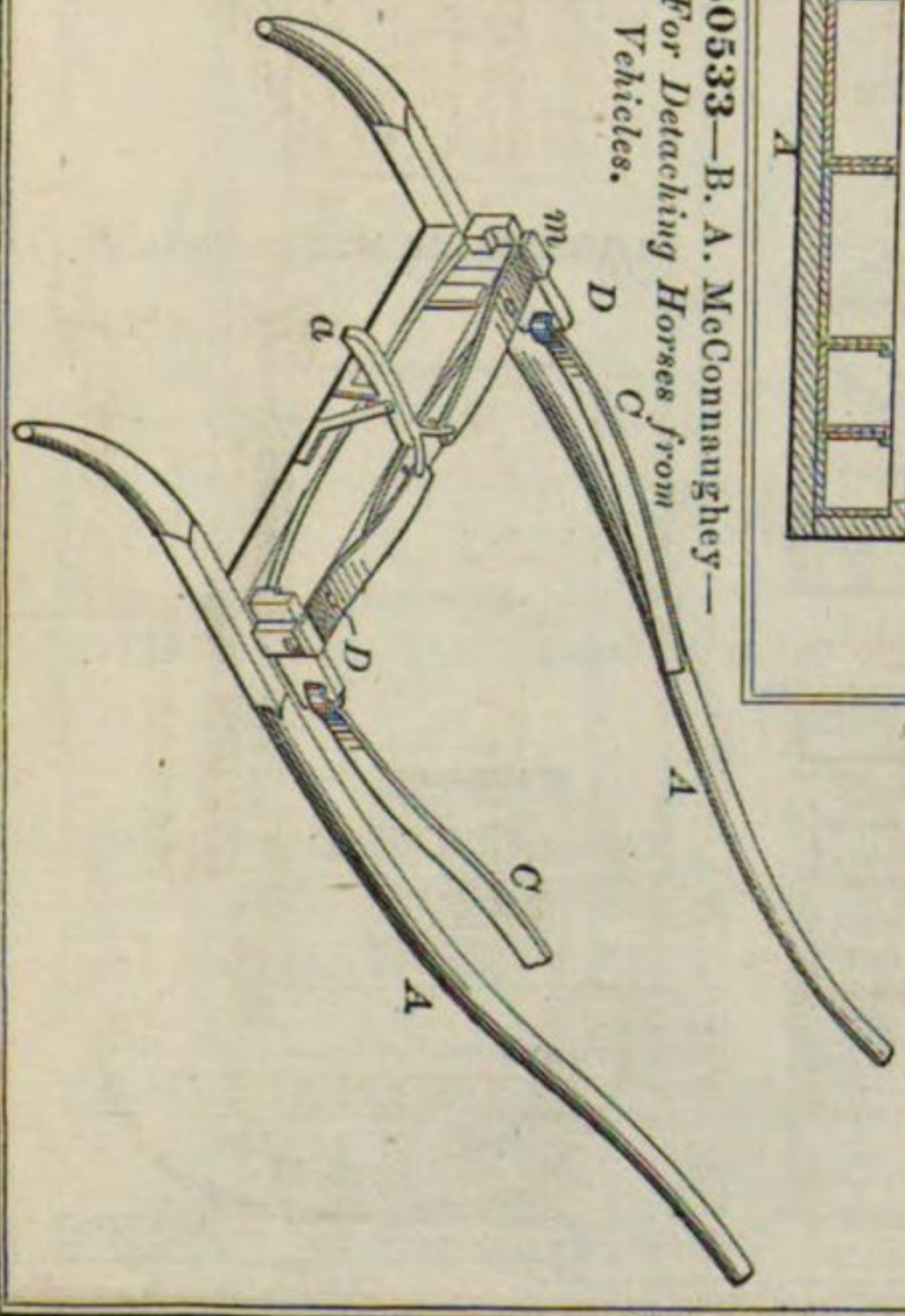
60530—E. T. C. Lutton—*Manufacture of Yarn.*



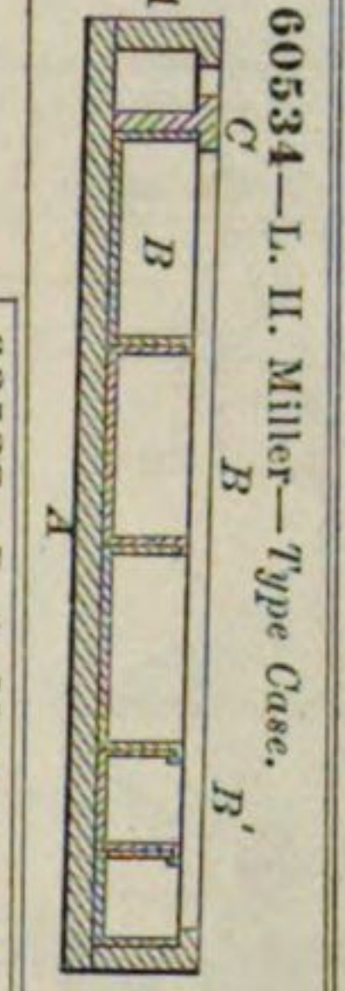
60532—W B. Mason—*For Making Stamps.*



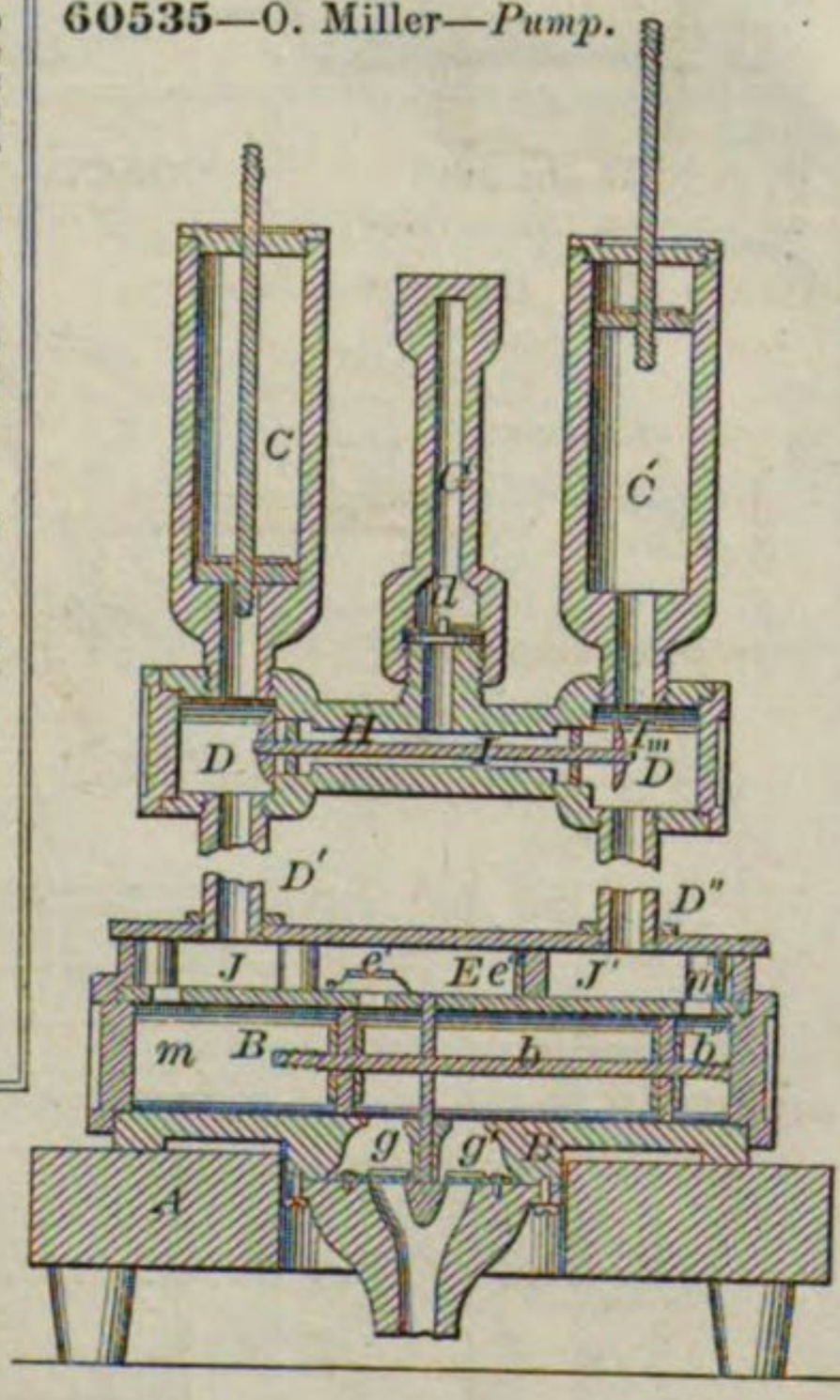
60533—B. A. McConnaughey—*For Detaching Horses from Vehicles.*

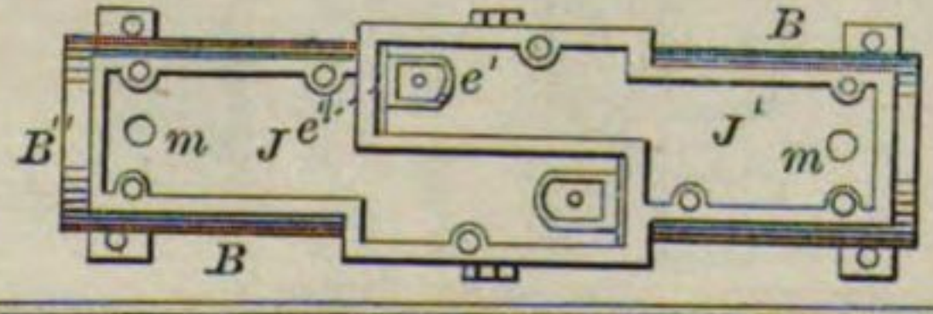


60534—L. H. Miller—*Type Case.*

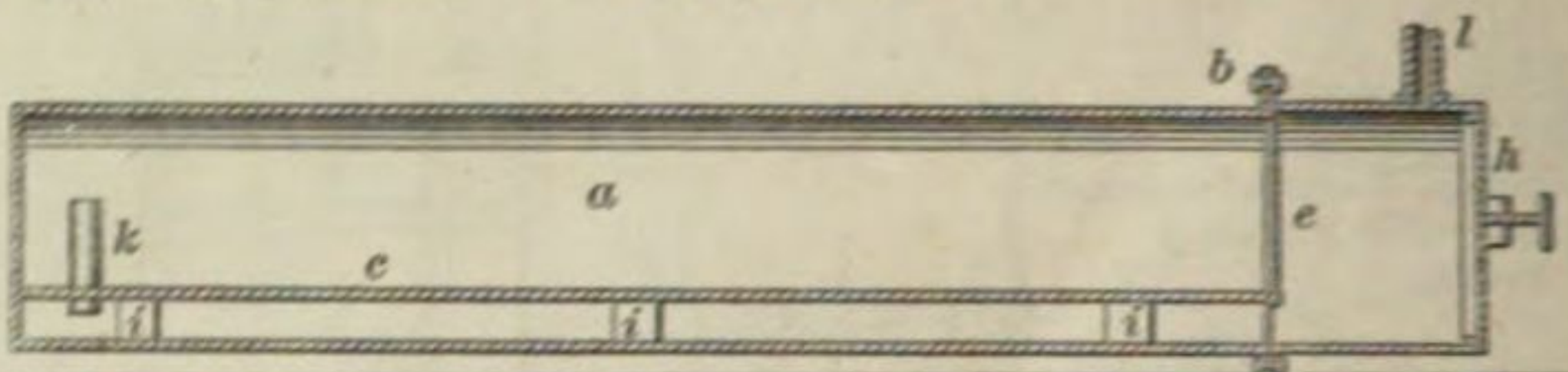


60535—O. Miller—*Pump.*

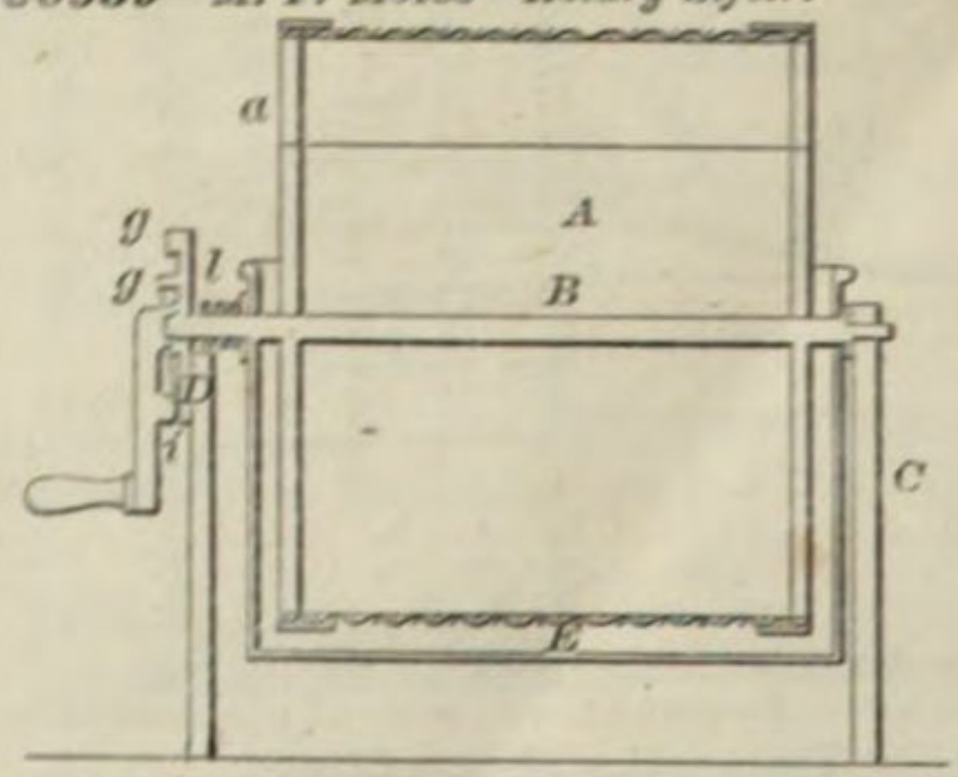




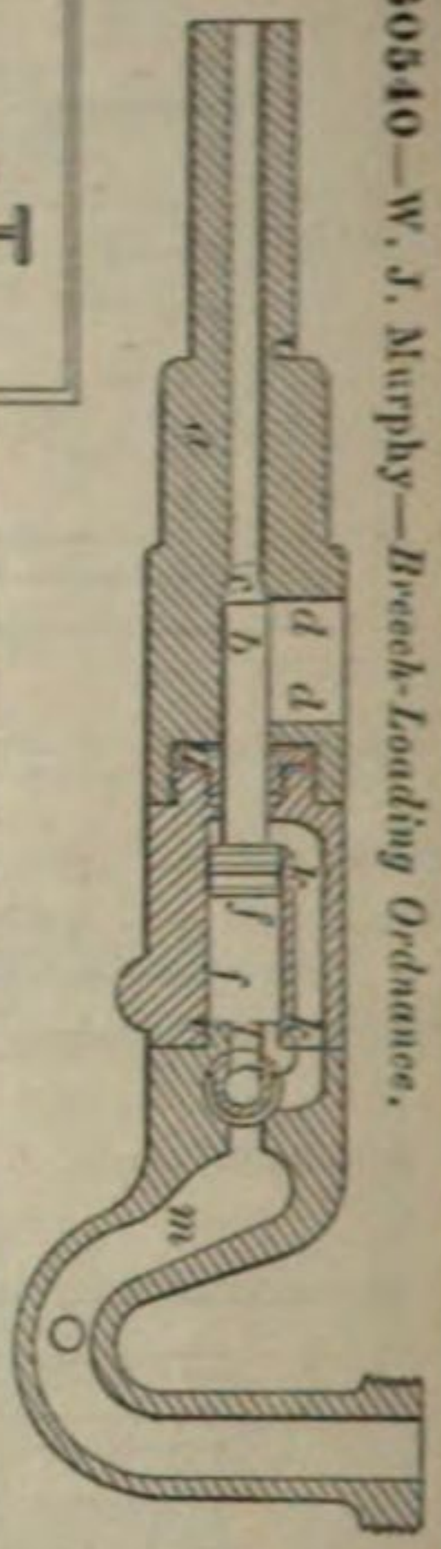
60537—A. Milloehau—*Illuminating Gas Retort.*



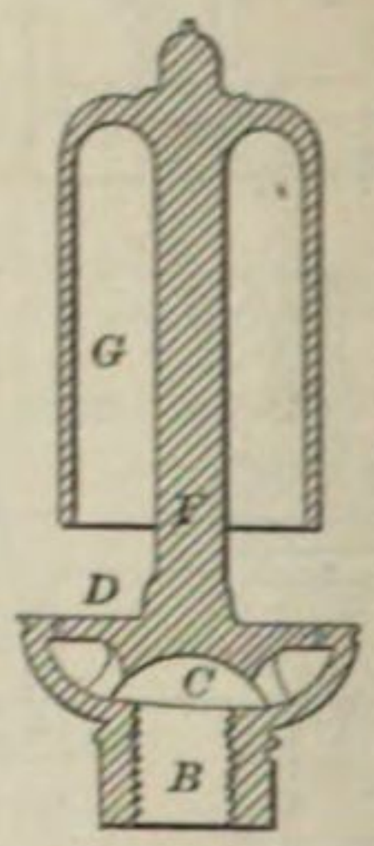
60539—M. F. Morse—*Rotary Sifter.*



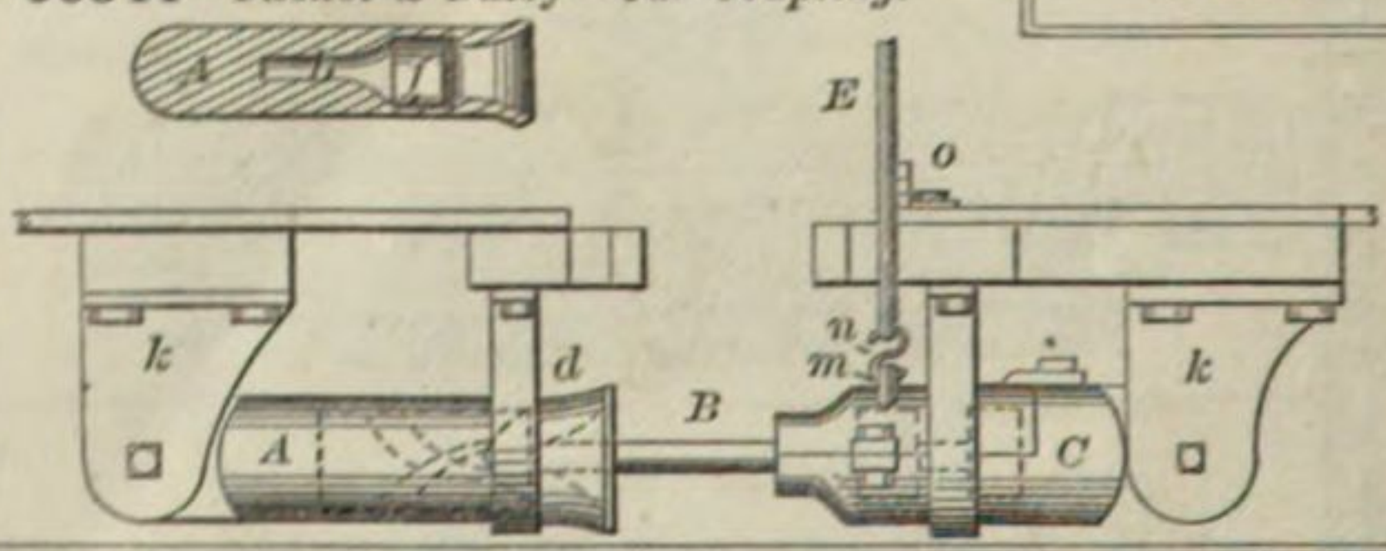
60540—W. J. Murphy—*Breech-Loading Ordnance.*



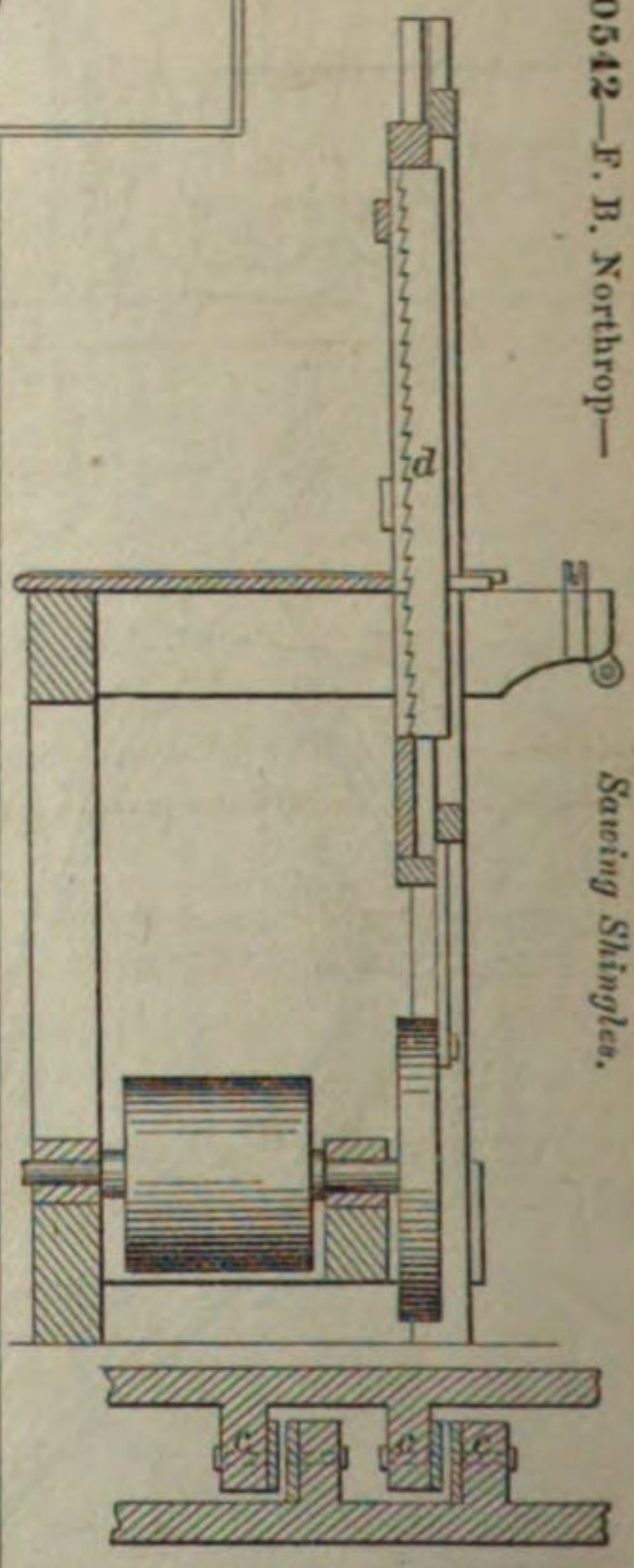
60541—J. Murray—*Steam Whistle.*



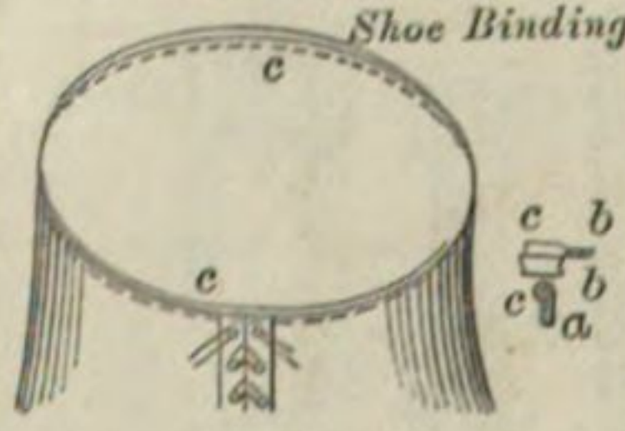
60544—Packer & Daley—*Car Coupling.*



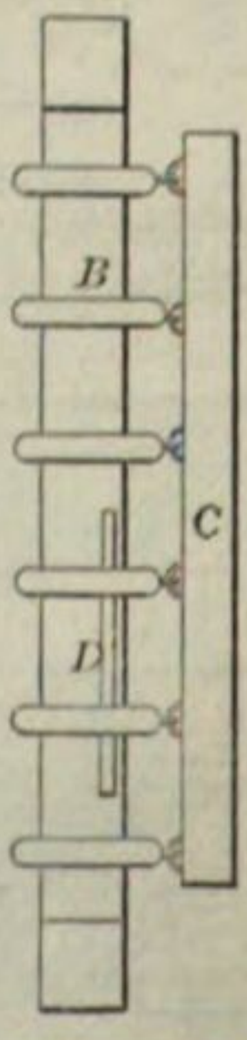
60542—F. B. Northrop—*Sawing Shingles.*



60543—
M. & R. B. Packard—
Shoe Binding.



60545—W. Palmer—*For Fastening Blind Slats.*



60547—T. Parker—
Fruit Can.

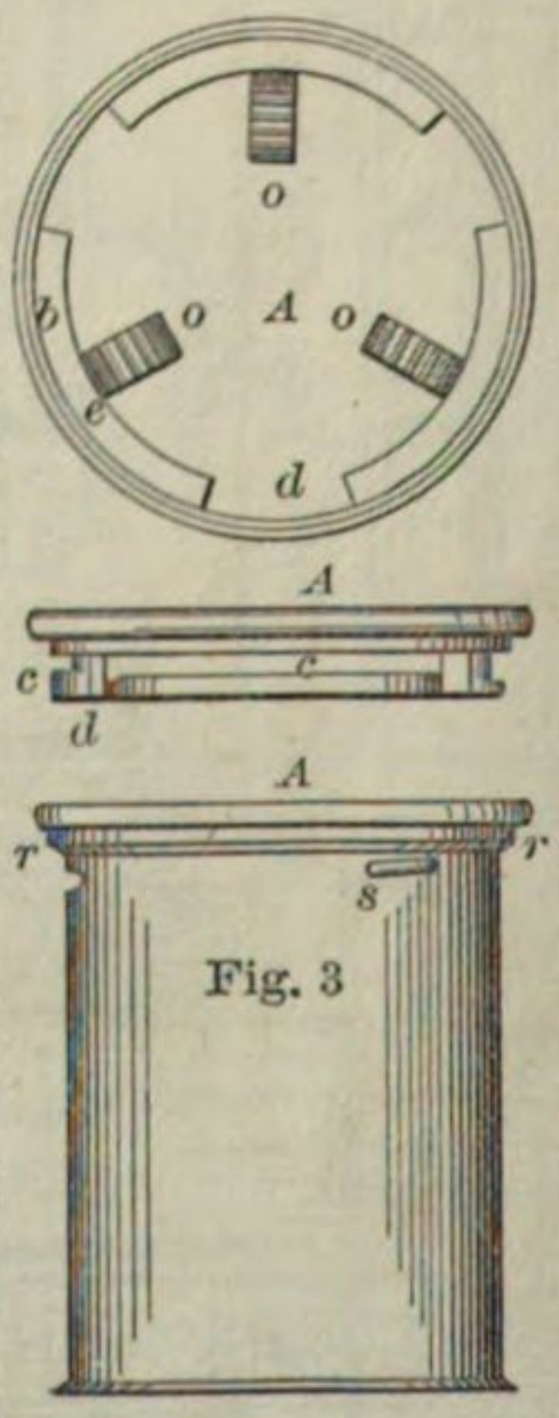
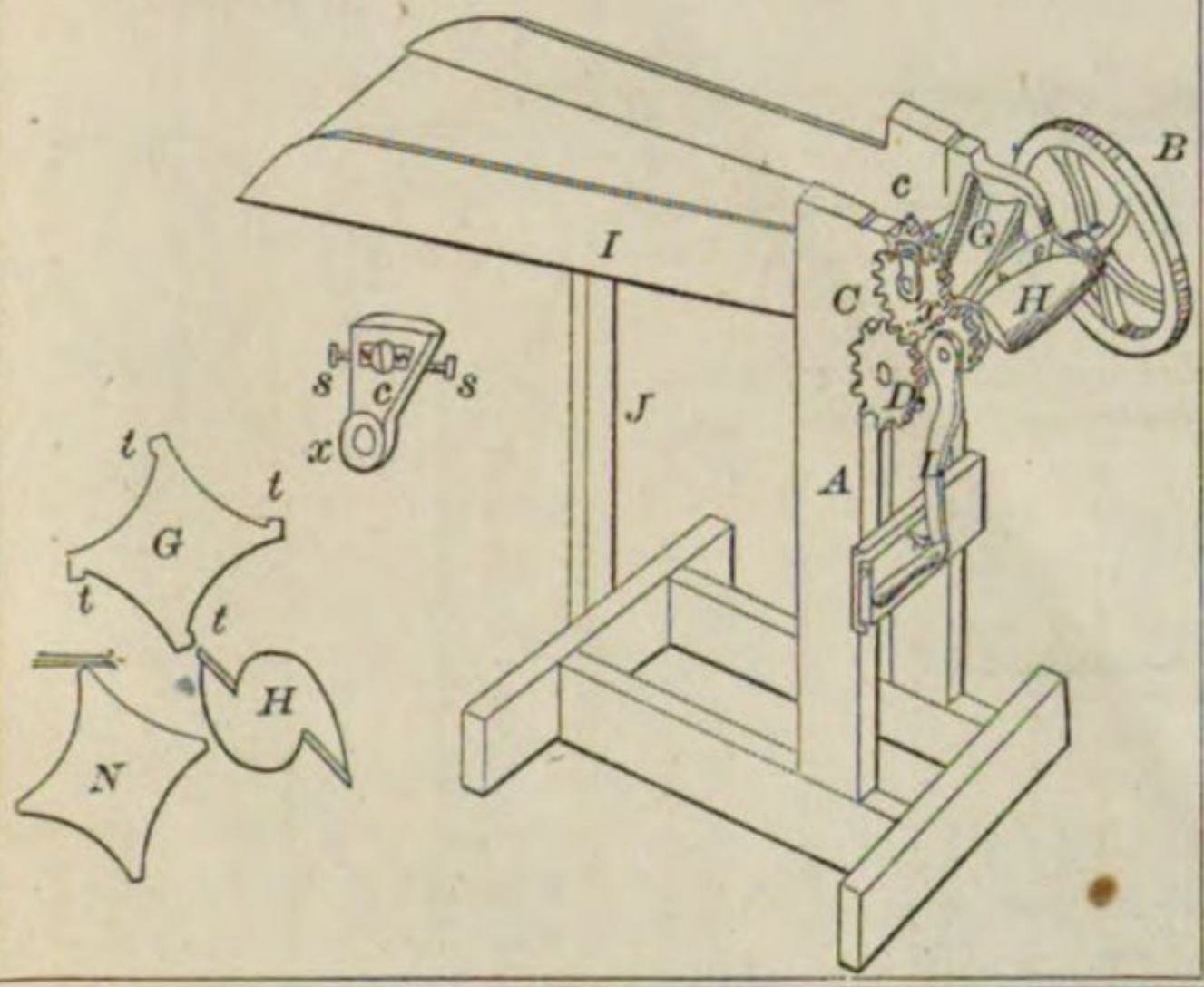
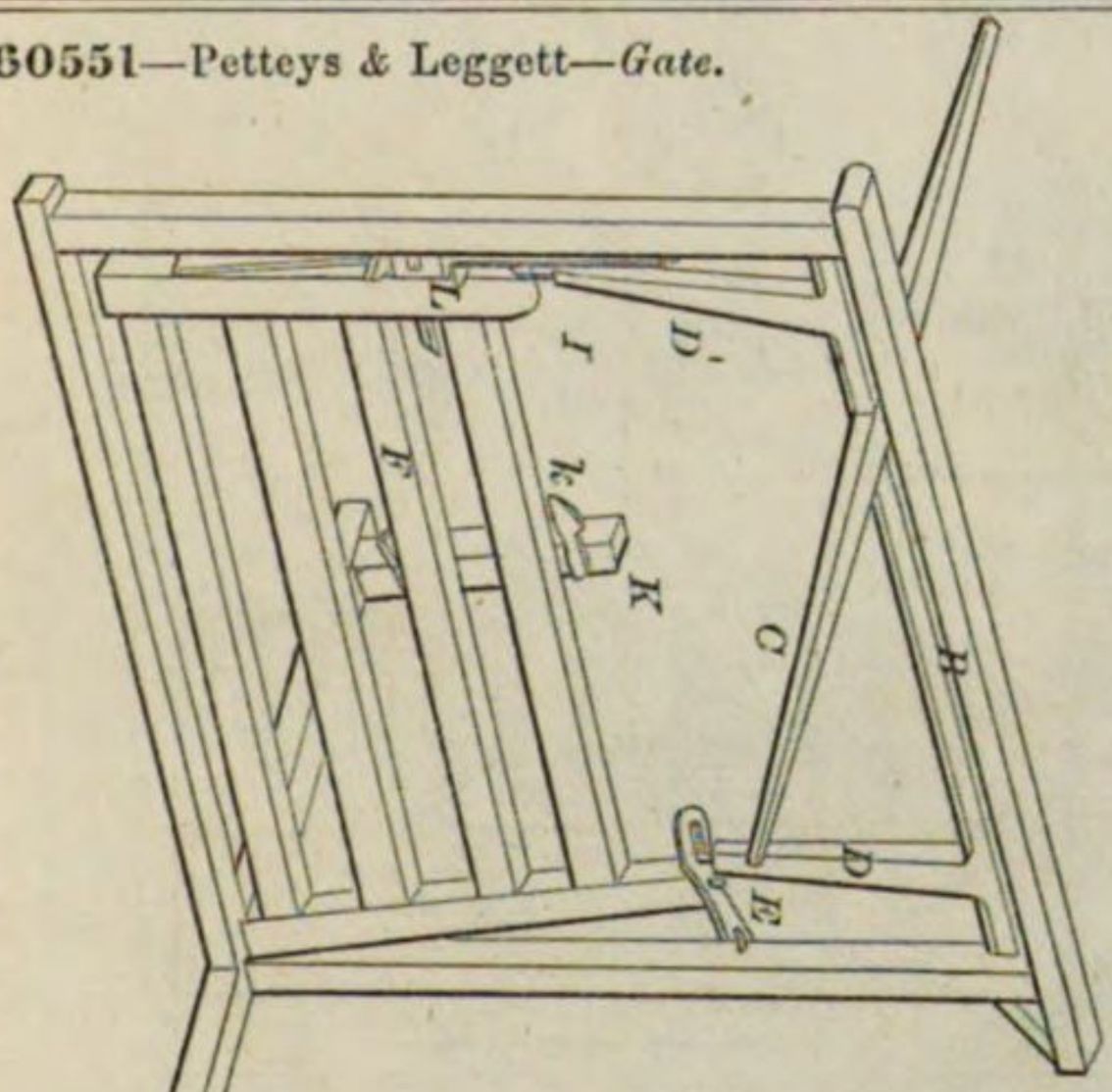


Fig. 3

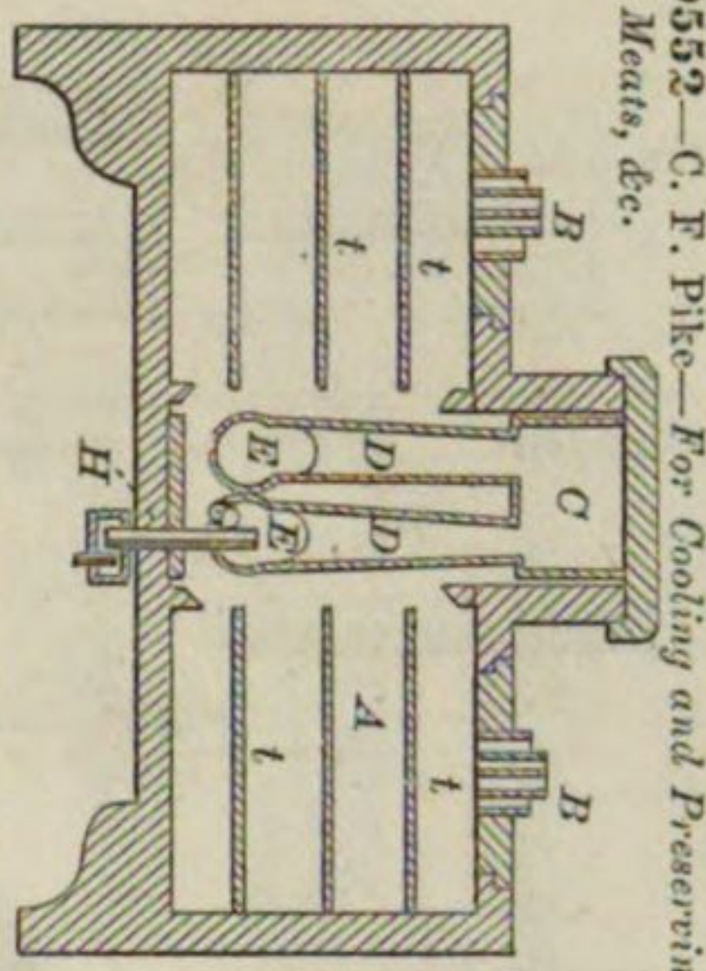
60550—J. G. Perry—*Straw Cutter.*



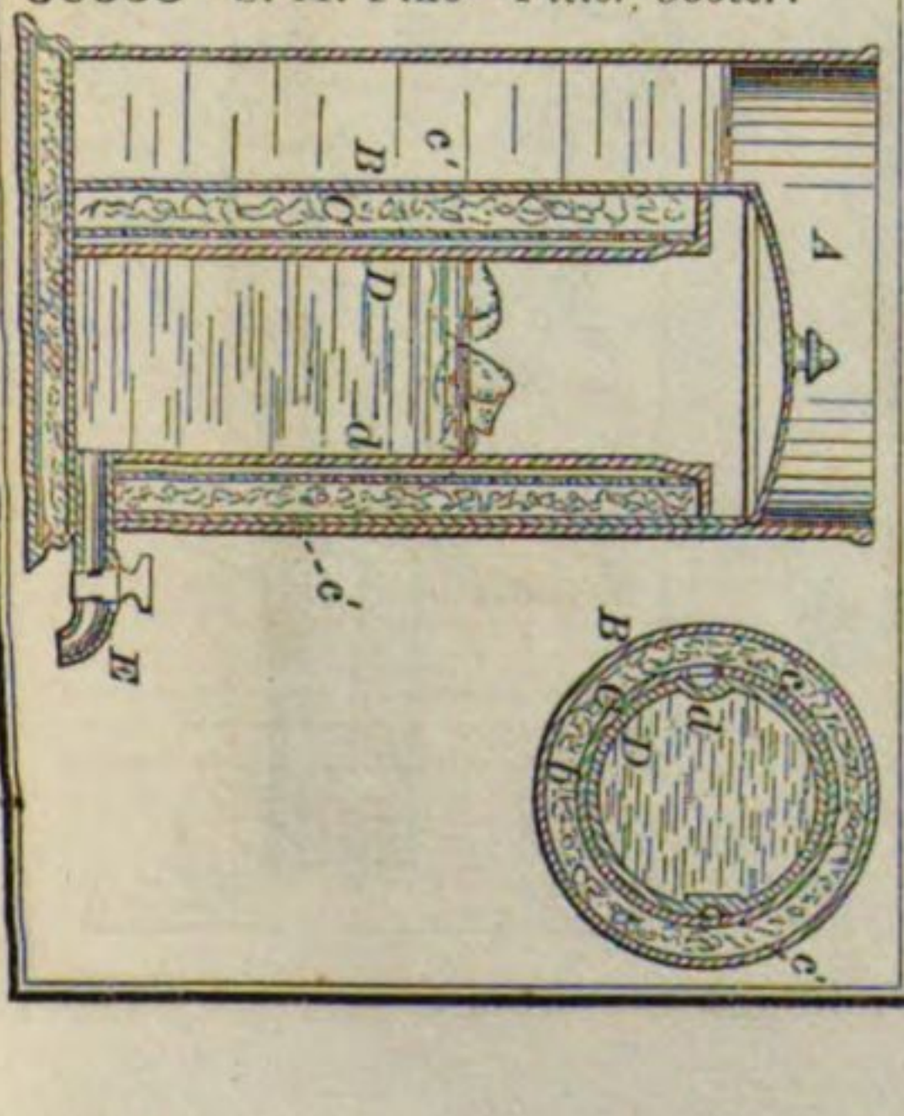
60551—Petteys & Leggett—*Gate.*



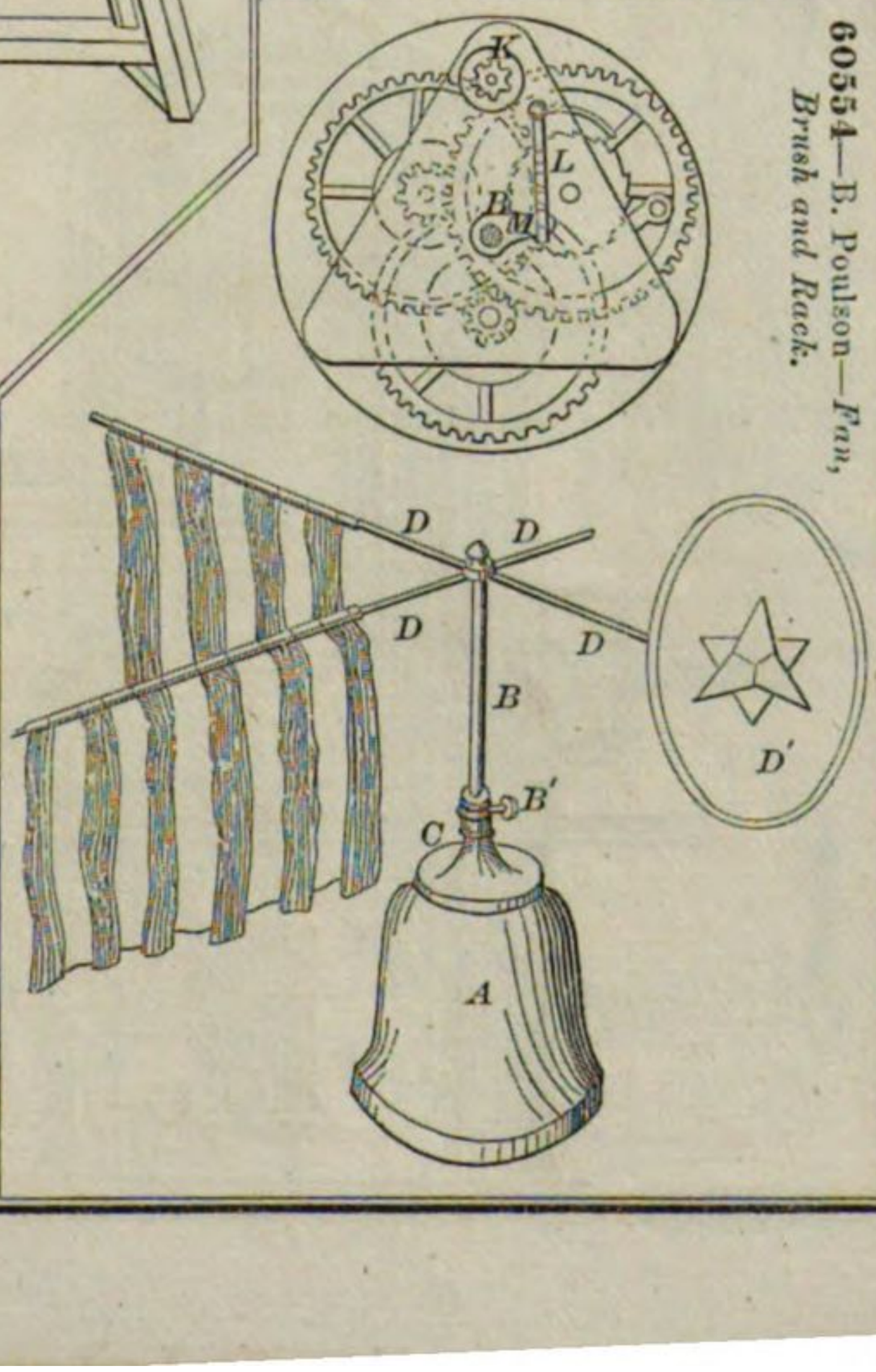
60552—C. F. Pike—*For Cooling and Preserving Meats, &c.*



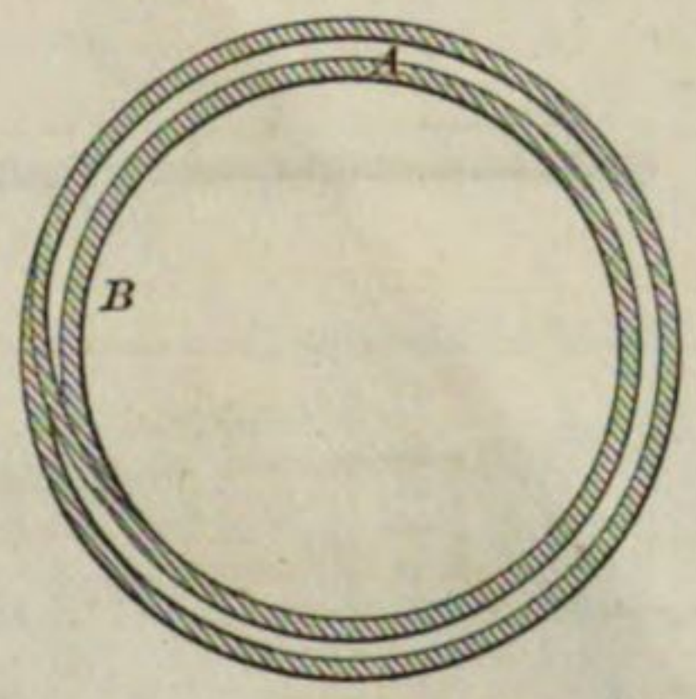
60553—S. M. Pike—*Filter Cooler.*



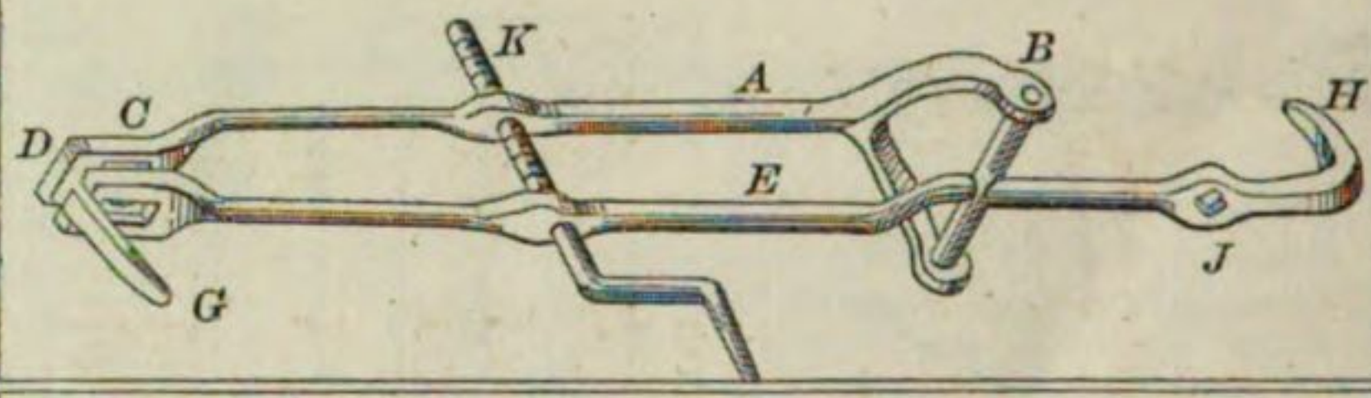
60554—B. Poulson—*Fan, Brush and Rack.*



60555—J. & J. A. Punderford—*Leather Hose.*



60556—J. Richards—*Poker, Tongs, Wrench, &c.*



60560—C. & J. Ross—*Steam Generator Flue Brush.*

Fig. 1

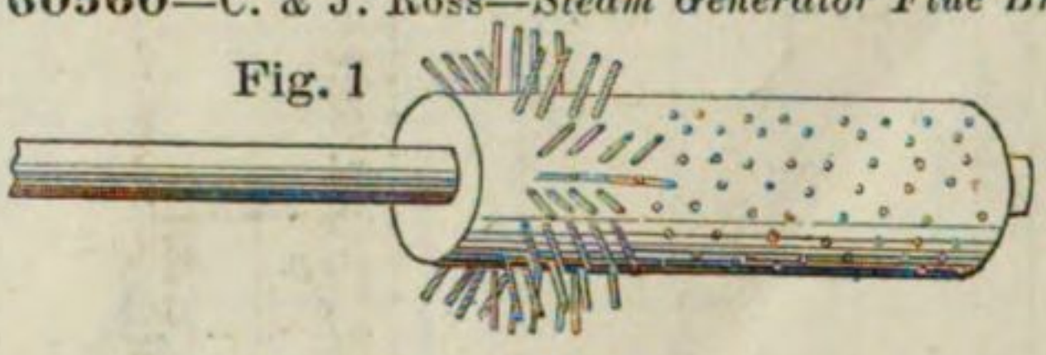


Fig. 3

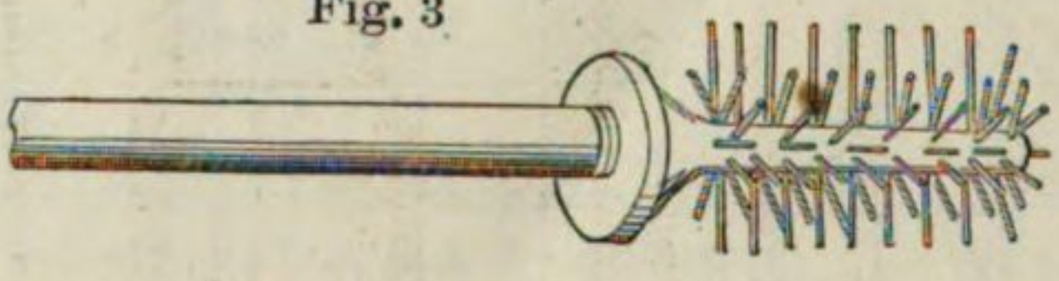
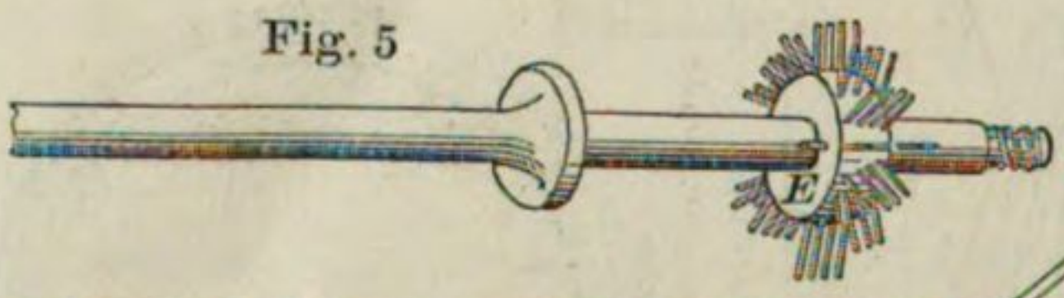
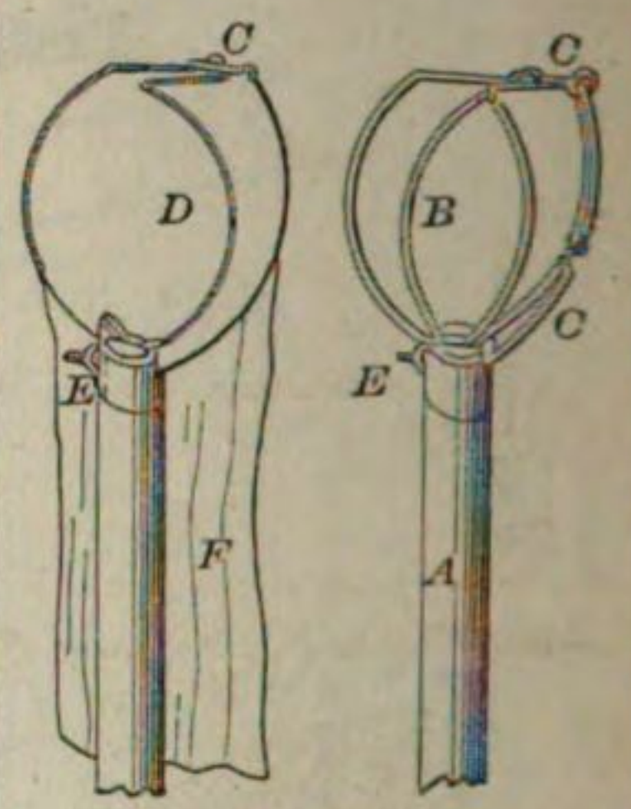


Fig. 6

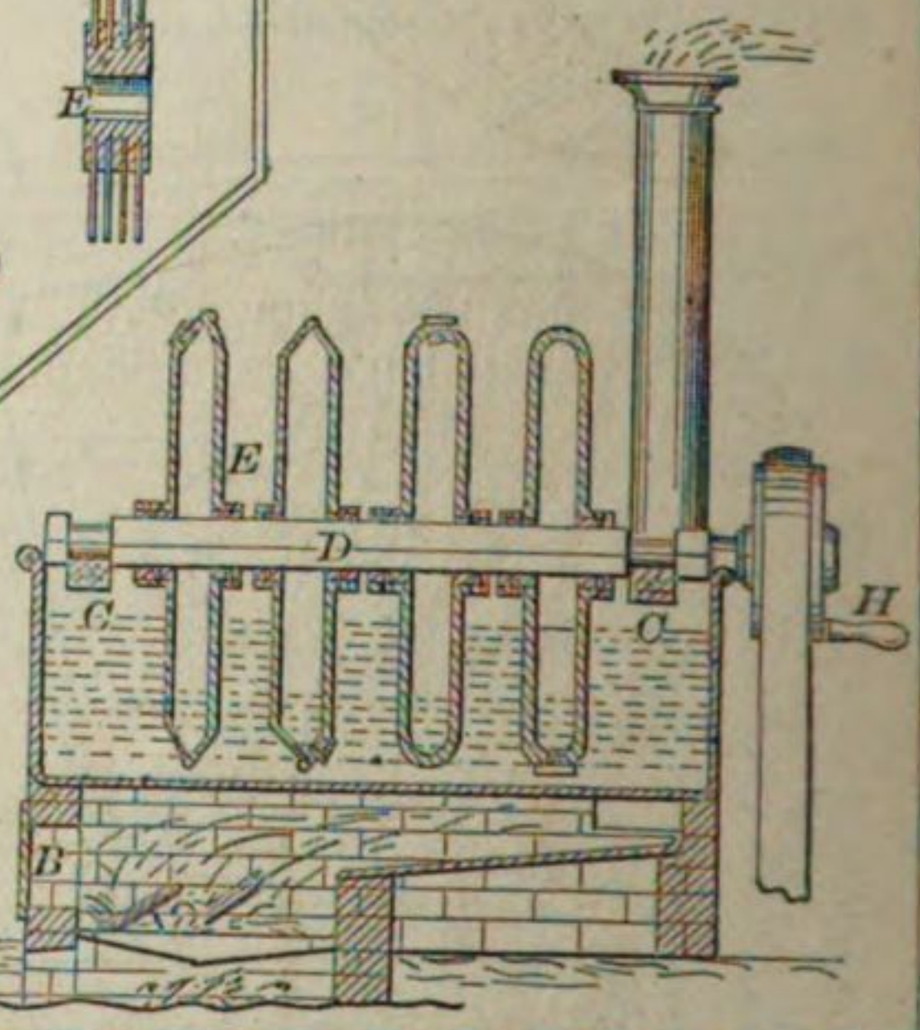
Fig. 5



60561—Saiger & Davis—*Fruit Picker.*

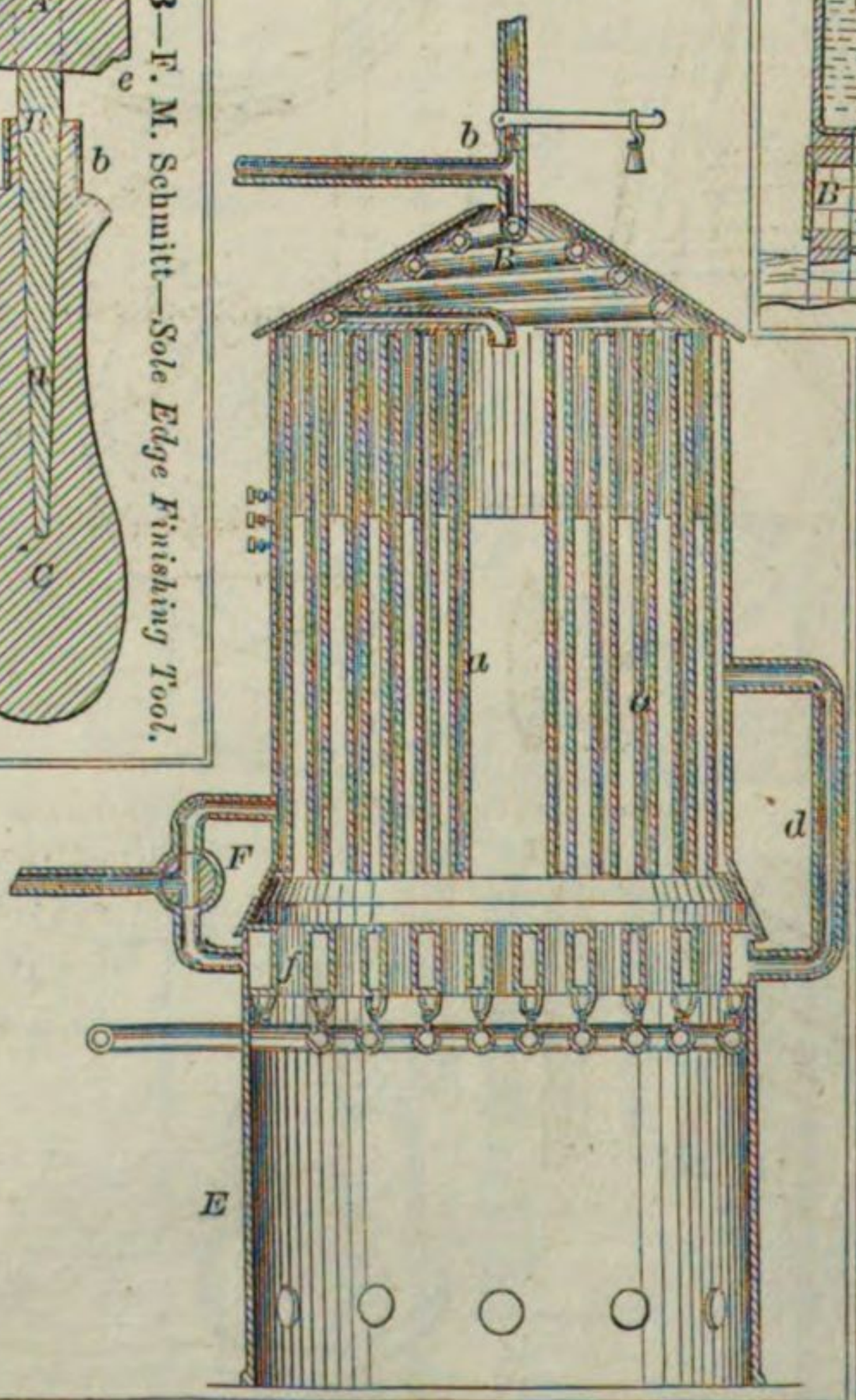


60564—H. F. Schroder—*Pan for Evaporating Sugar.*

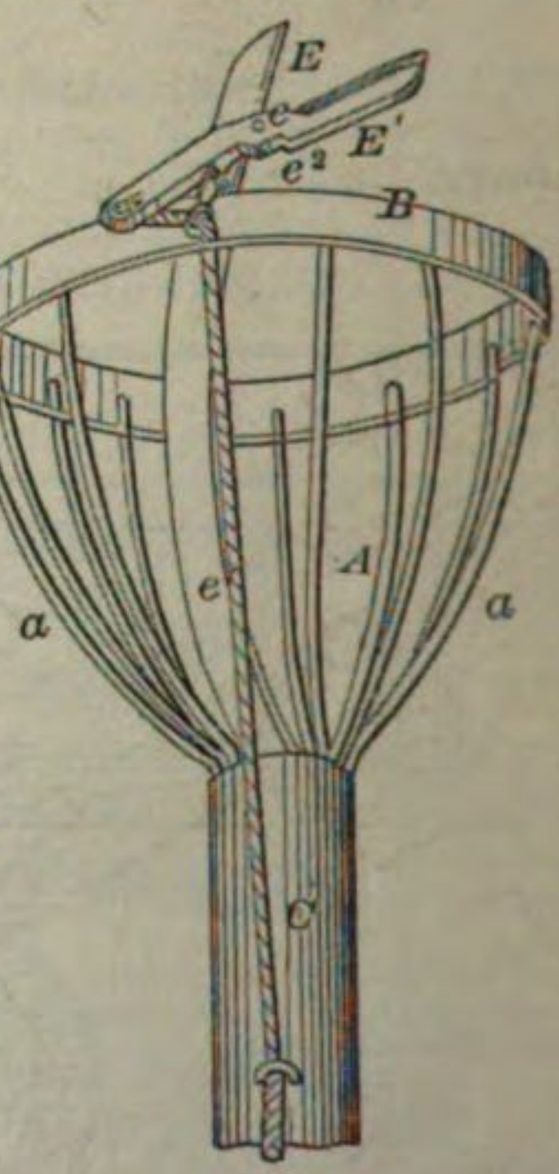


60563—F. M. Schmitt—*Sole Edge Finishing Tool.*

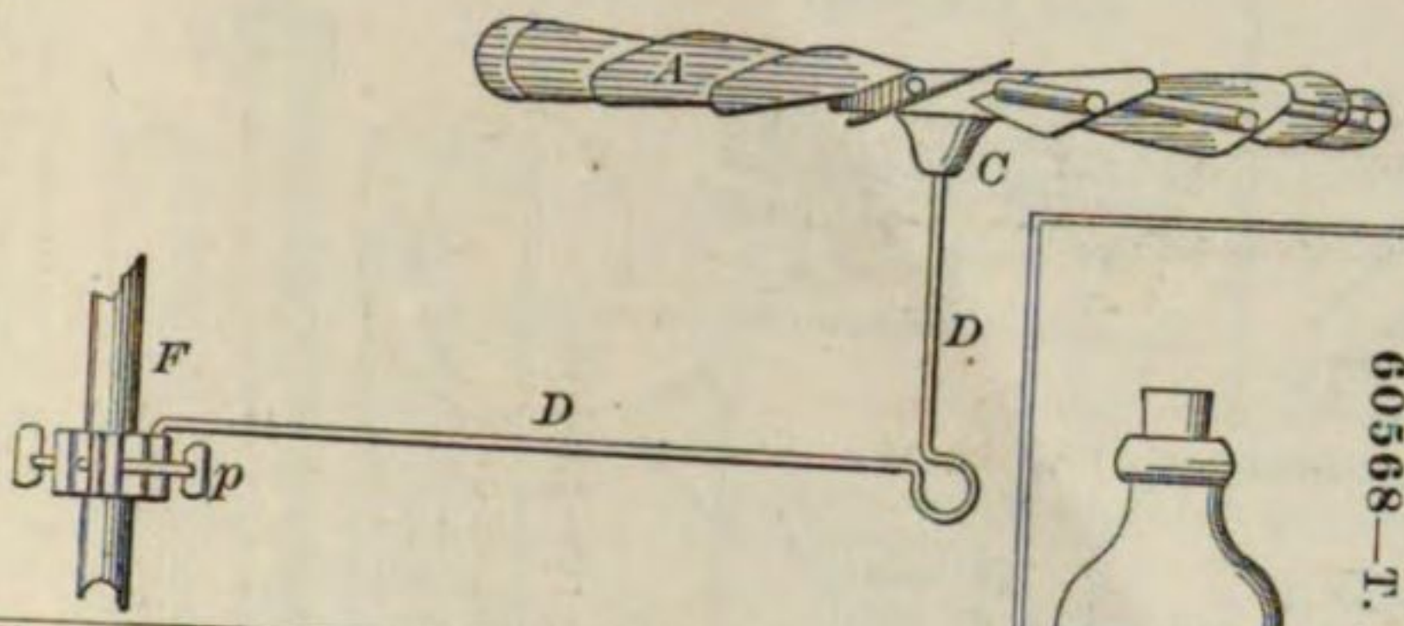
60562—H. S. Saroni—*Steam Generator.*



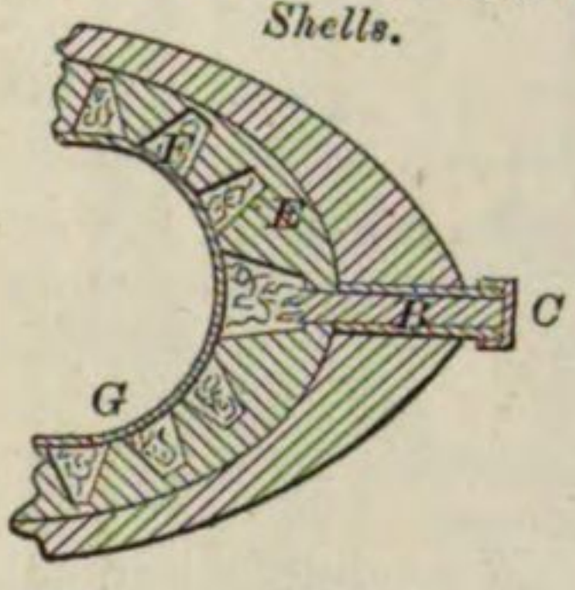
60565—H. L. Scott—*Fruit Gatherer.*



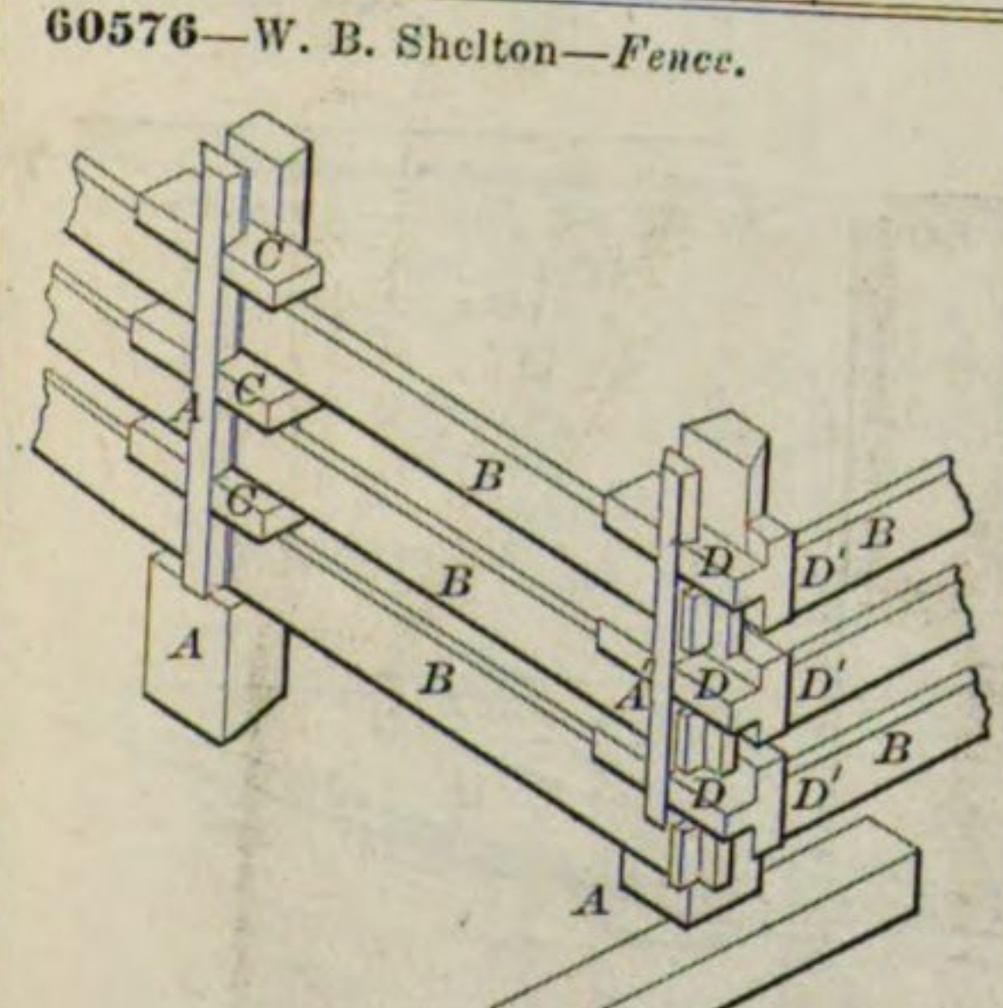
60566—H. Seher—*Fan for Gas Burners.*



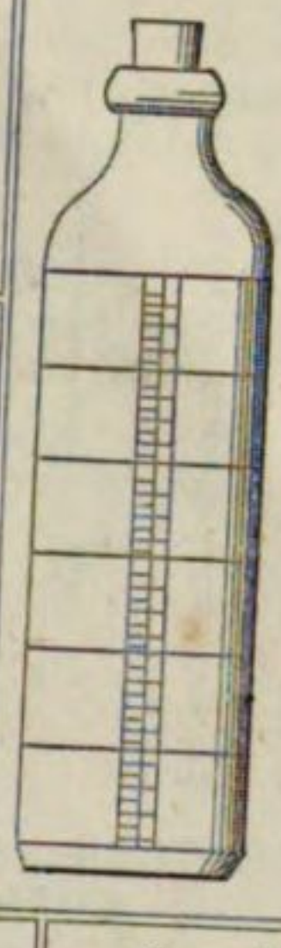
60567—T. P. Shaffner—*For Charging Shells.*



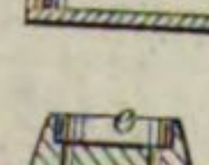
60576—W. B. Shelton—*Fence.*



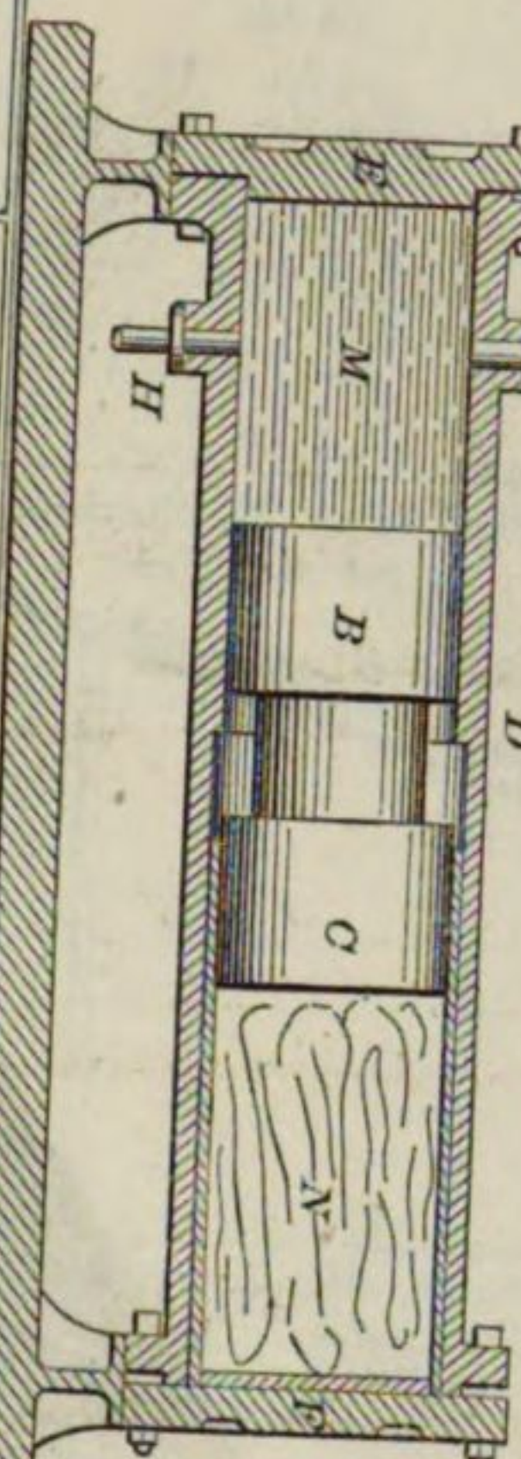
60568—T. P. Shaffner—*For Graduating Vessels.*



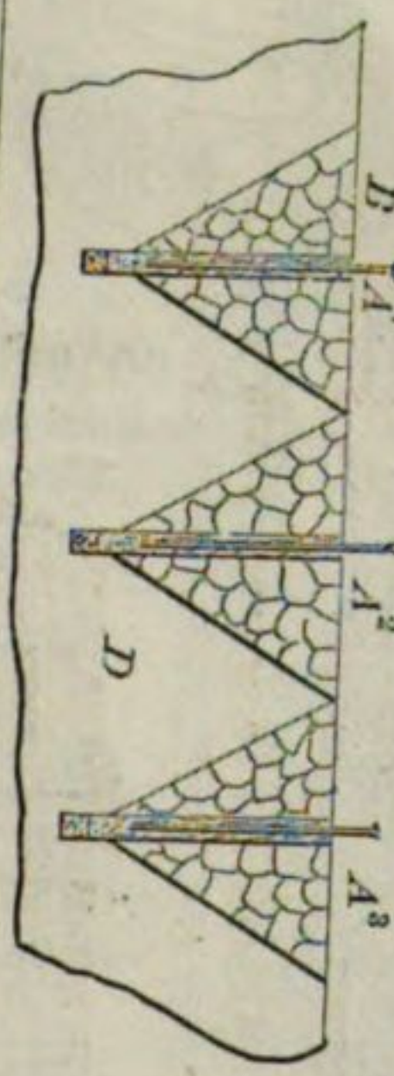
60569—T. P. Shaffner—*Electric Fuse.*



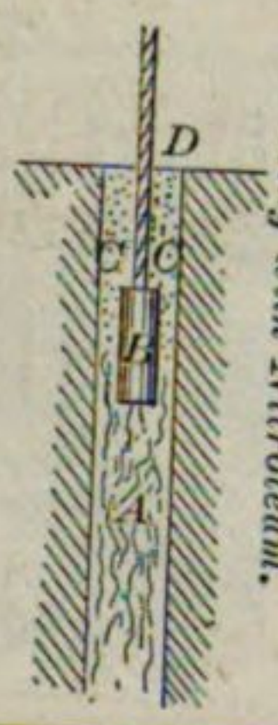
60570—T. P. Shaffner—*Hydraulic Press.*



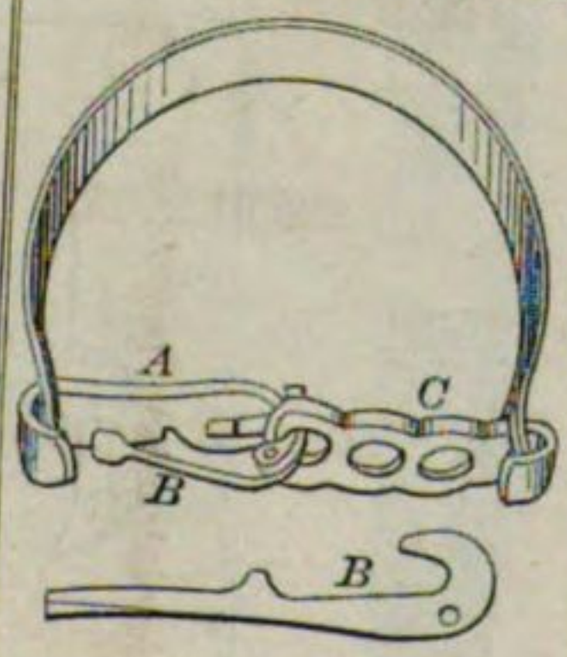
60572—T. P. Shaffner—*Artillery and Mining Blasting.*



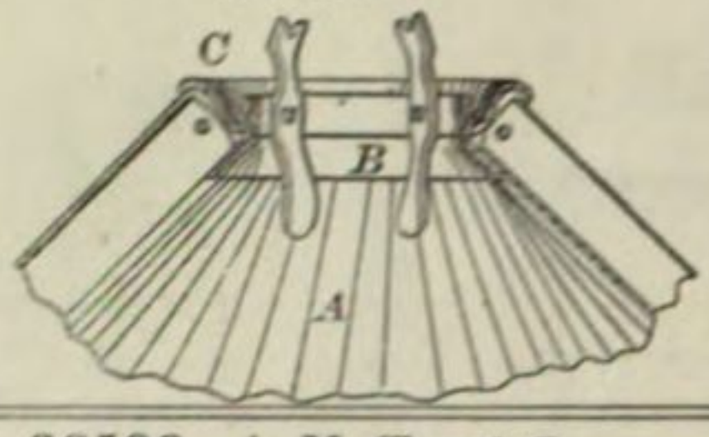
60573—T. P. Shaffner—*For Blasting with Nitroleum.*



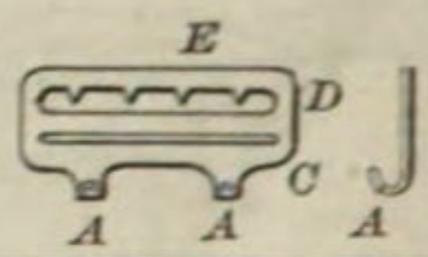
60574—Shalters & Catern—*Hame Fastening.*



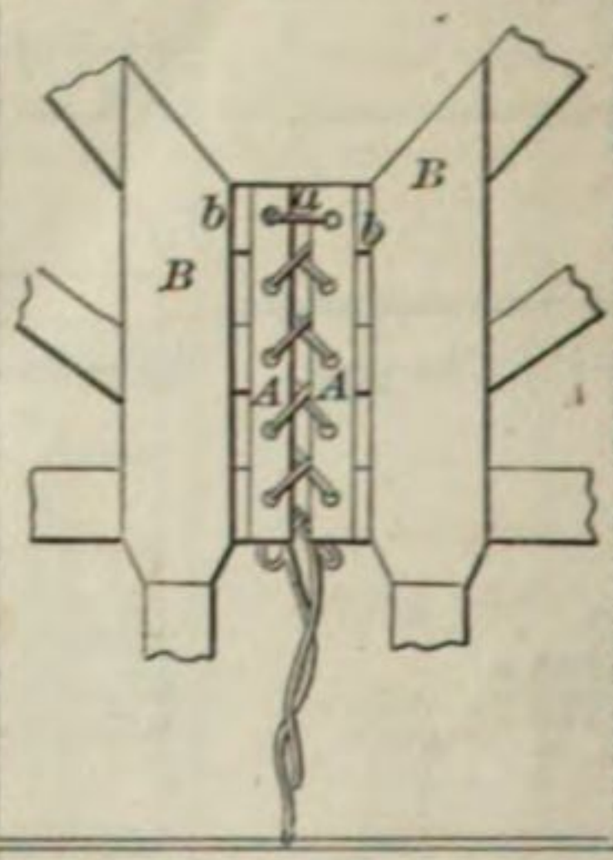
60577—A. Shepard—*Lamp Shade.*



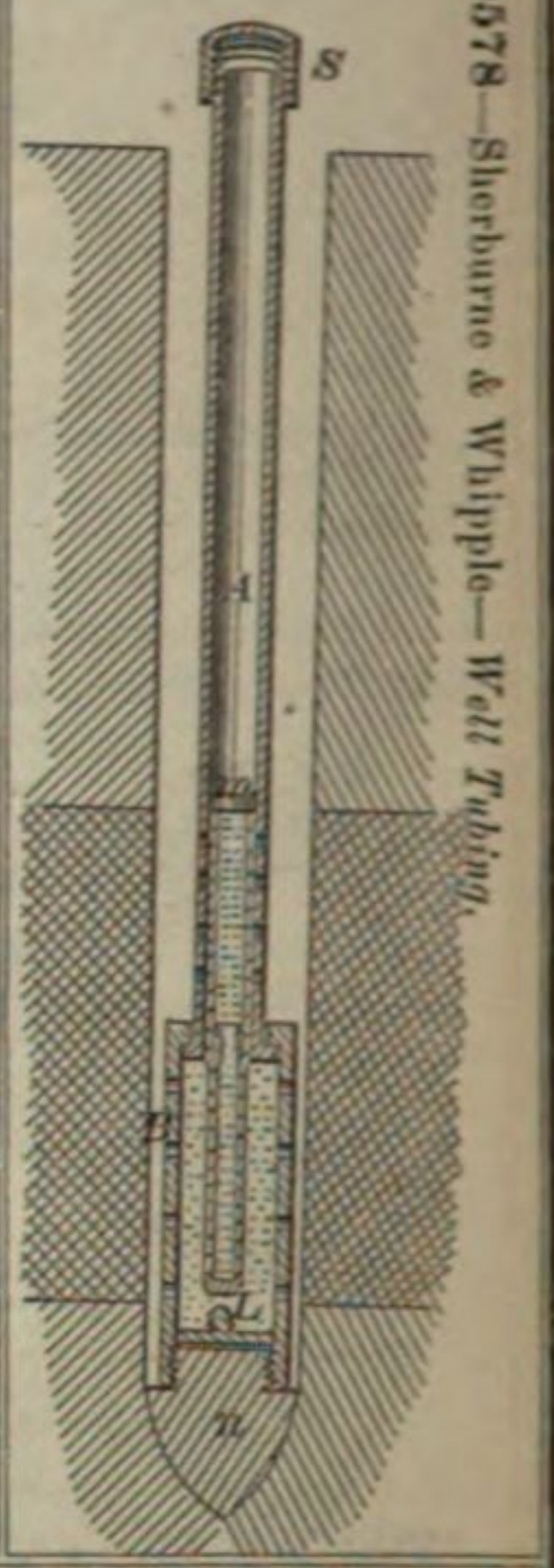
60579—S. J. Sherman—*Belt Fastening.*



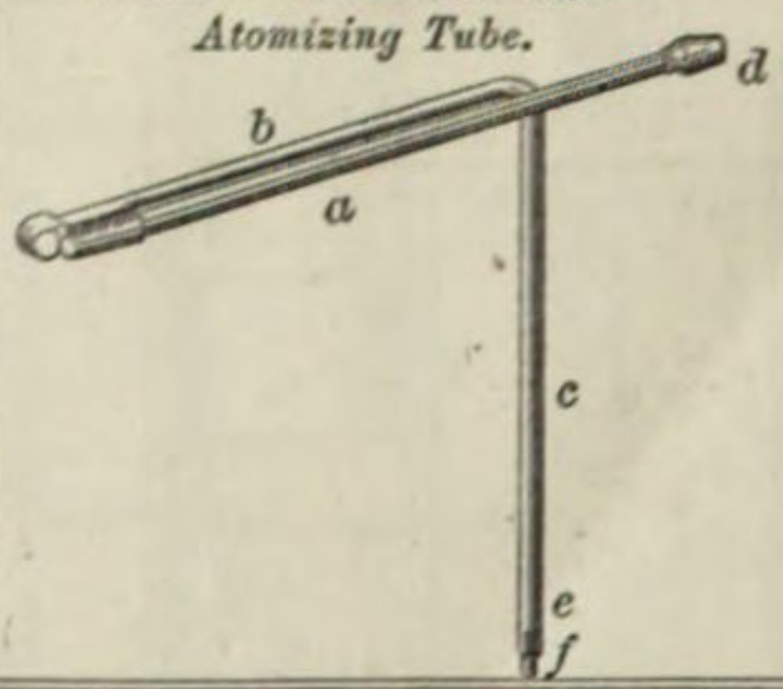
60582—A. N. Smith—*Shoulder Brace.*



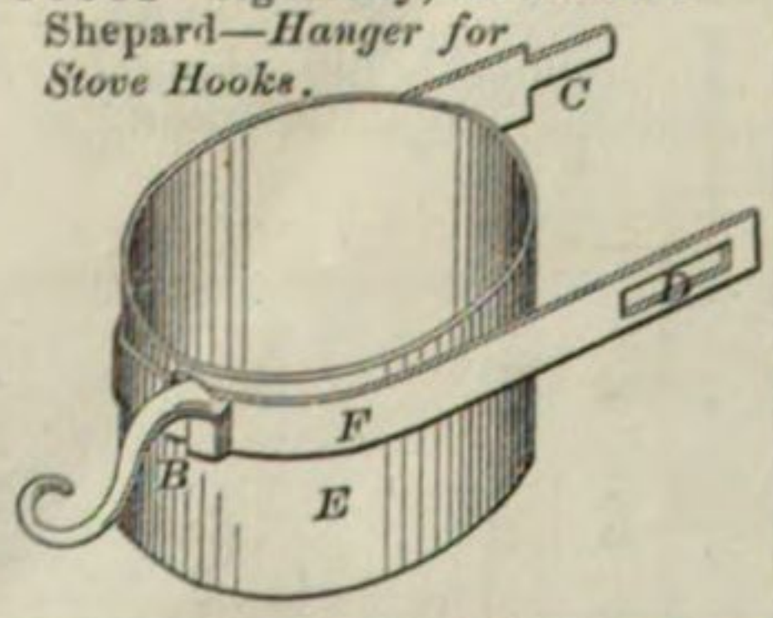
60578—Sherburne & Whipple—*Well Tubing.*



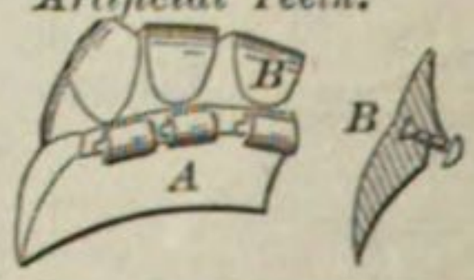
60580—A. M. Shurtleff—*Atomizing Tube.*



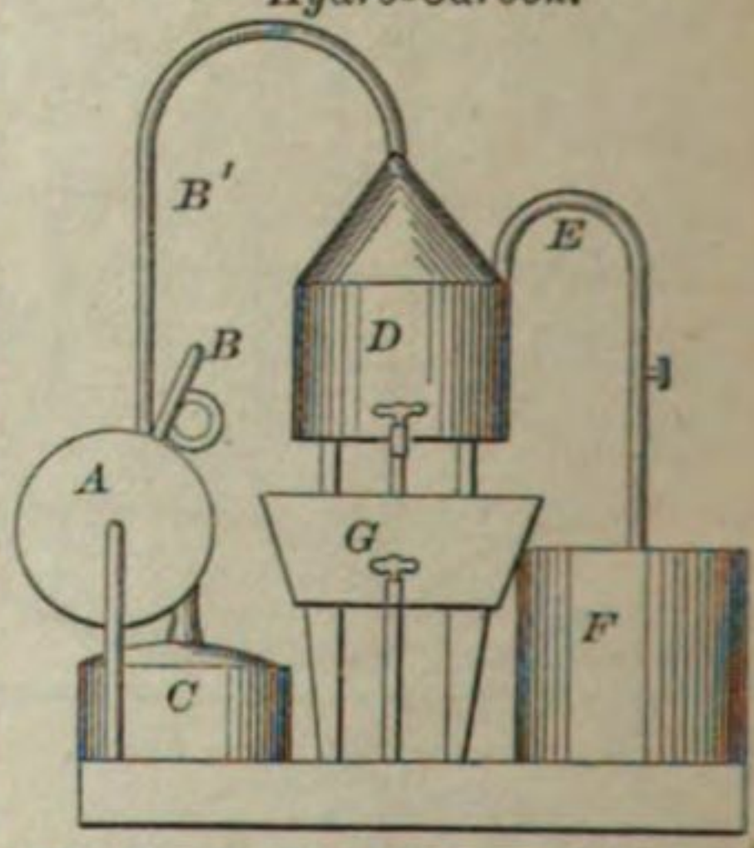
60581—Sigourney, Robinson & Shepard—*Hanger for Stove Hooks.*



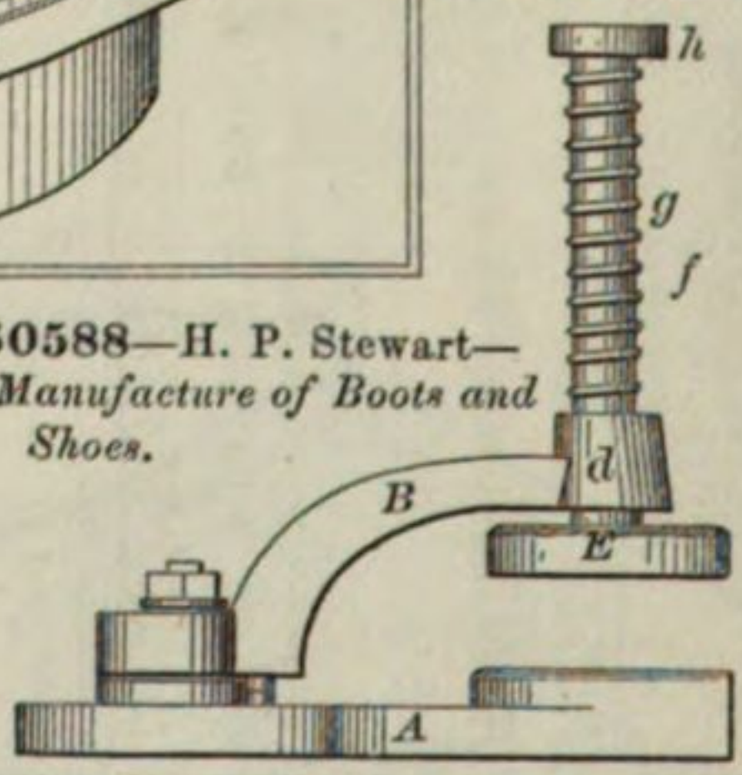
60583—F. W. Smith—*Artificial Teeth.*



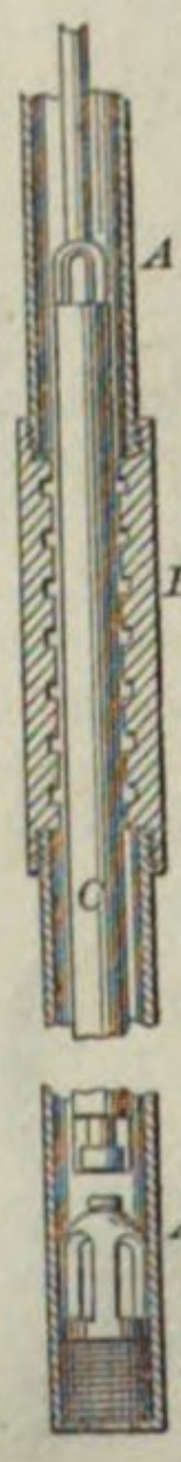
60585—H. L. Smith—*Refining Hydro-Carbon.*



60588—H. P. Stewart—*Manufacture of Boots and Shoes.*

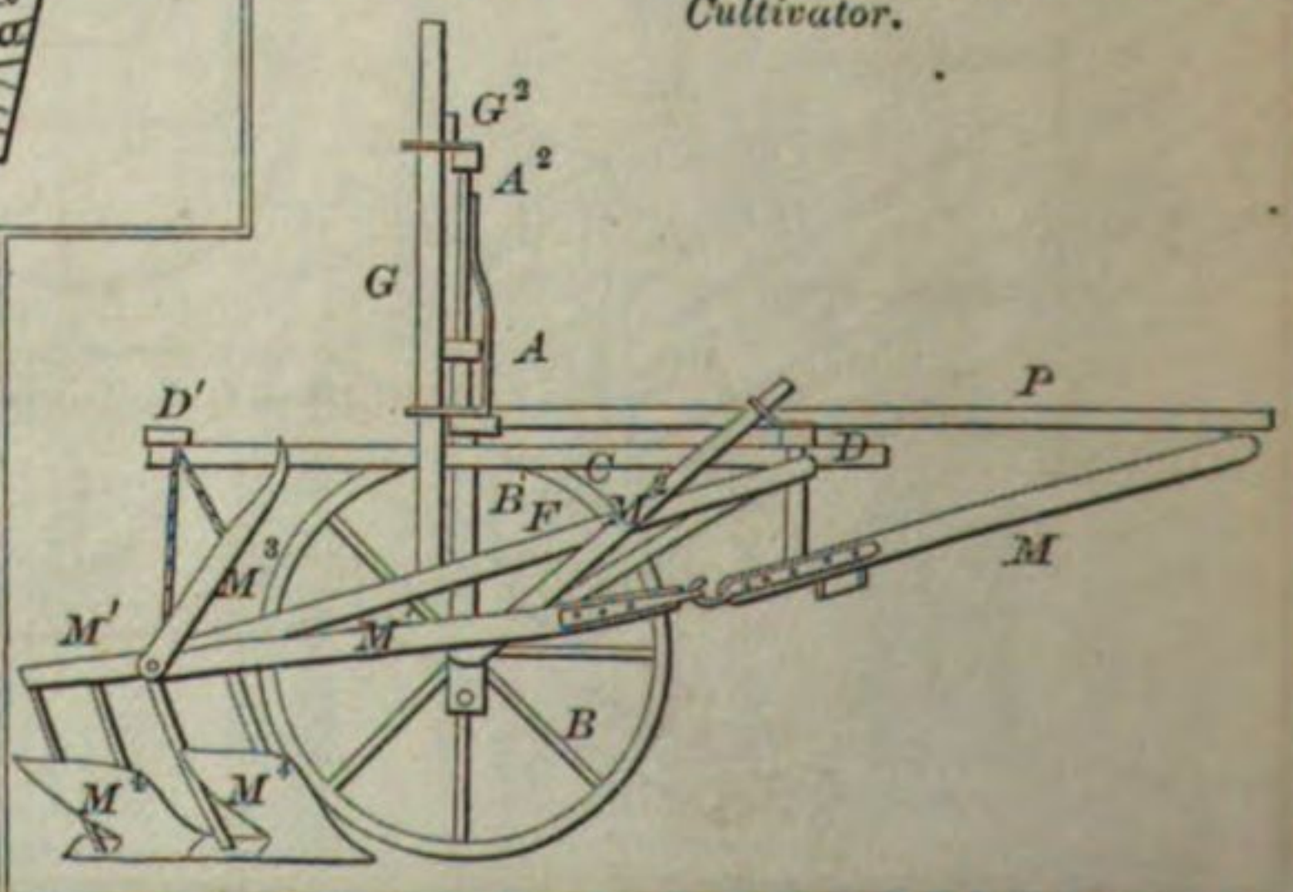


60586—W. B. Snow—*Deep Well Pump.*

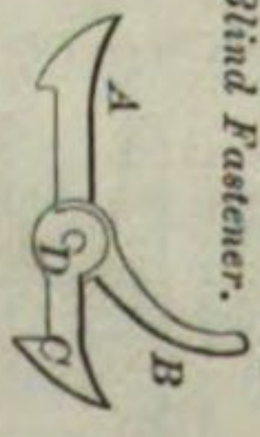


60587—H. P. Stewart—*Boots and Shoes.*

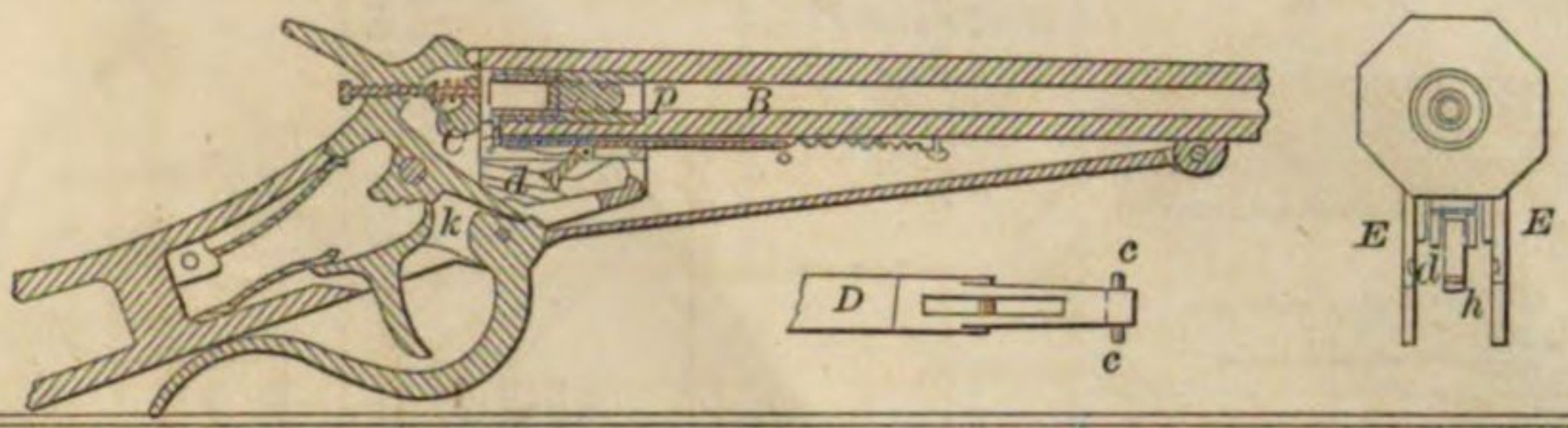
60589—W. W. St. John—*Gang Plow and Cultivator.*



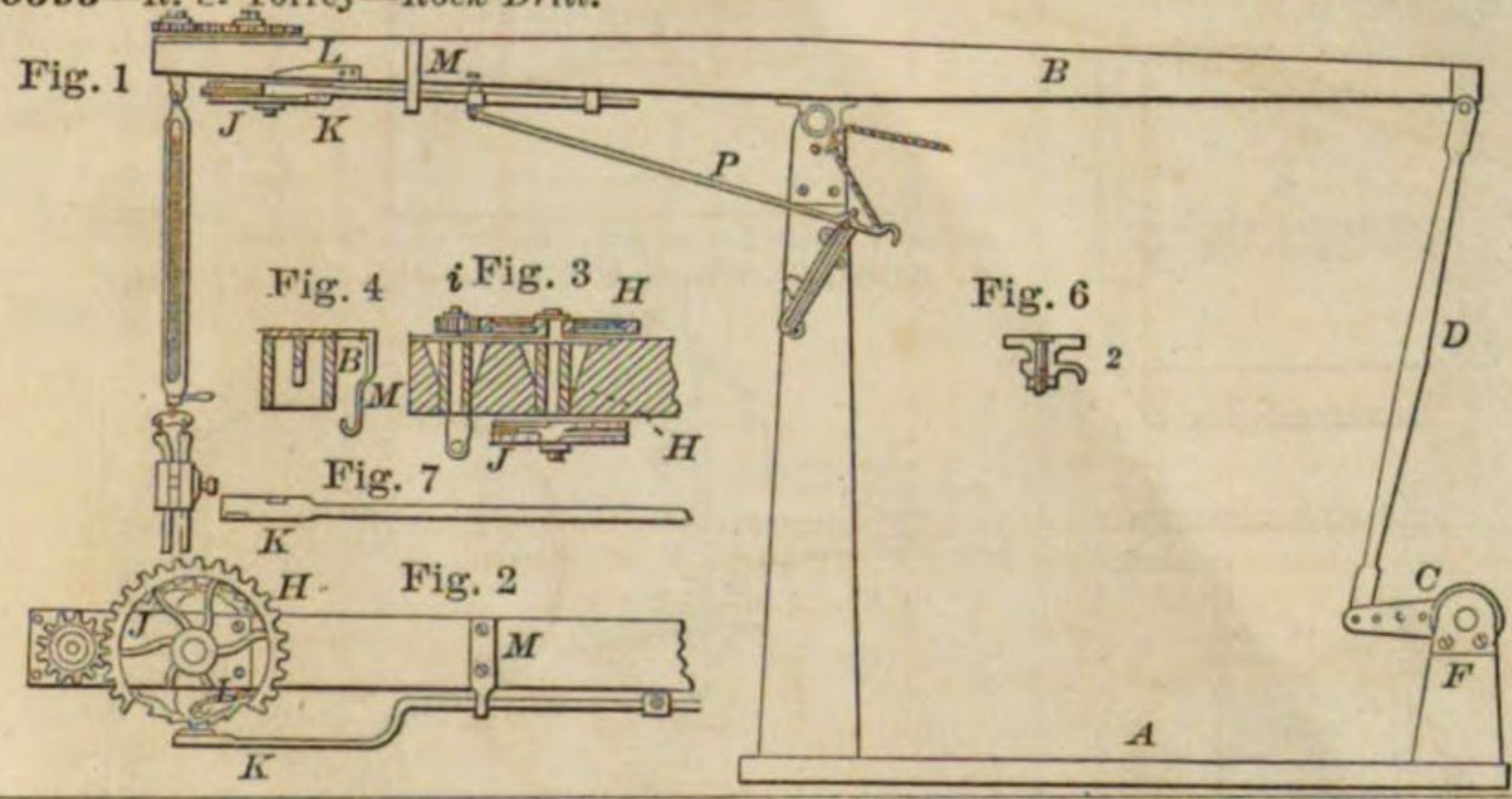
60584—Smith & Sparks—*Blind Fastener.*



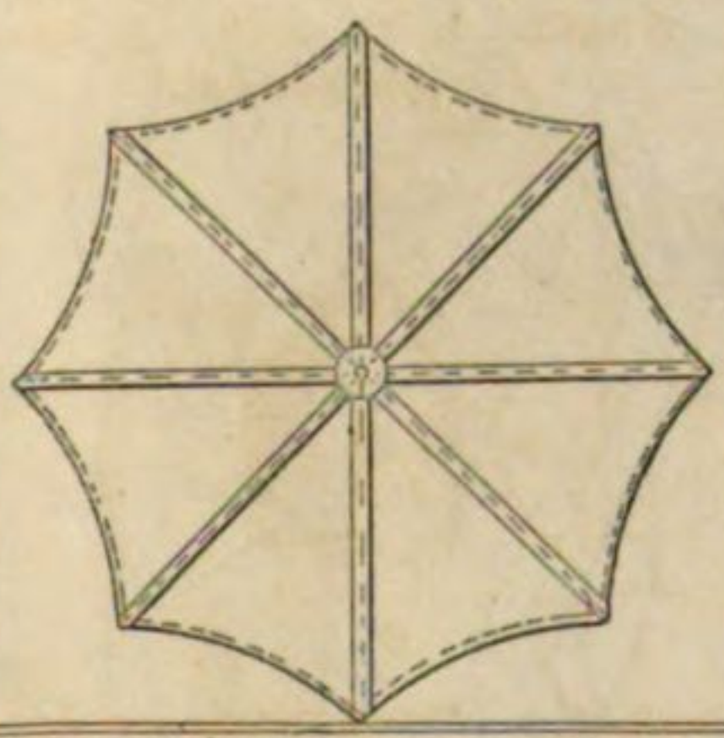
60592—T. L. Sturtevant—*Breech-Loading Fire Arm.*



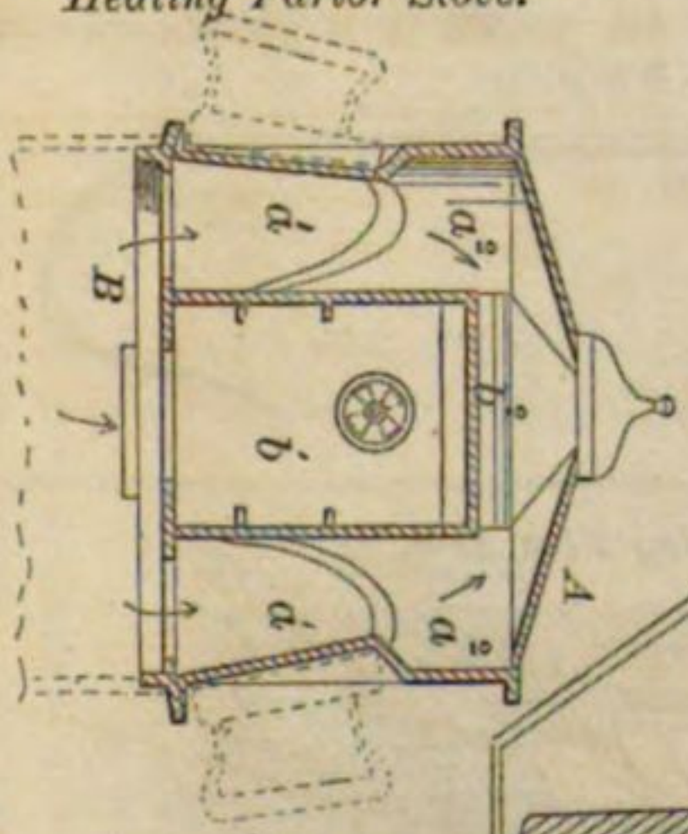
60595—R. S. Torrey—*Rock Drill.*



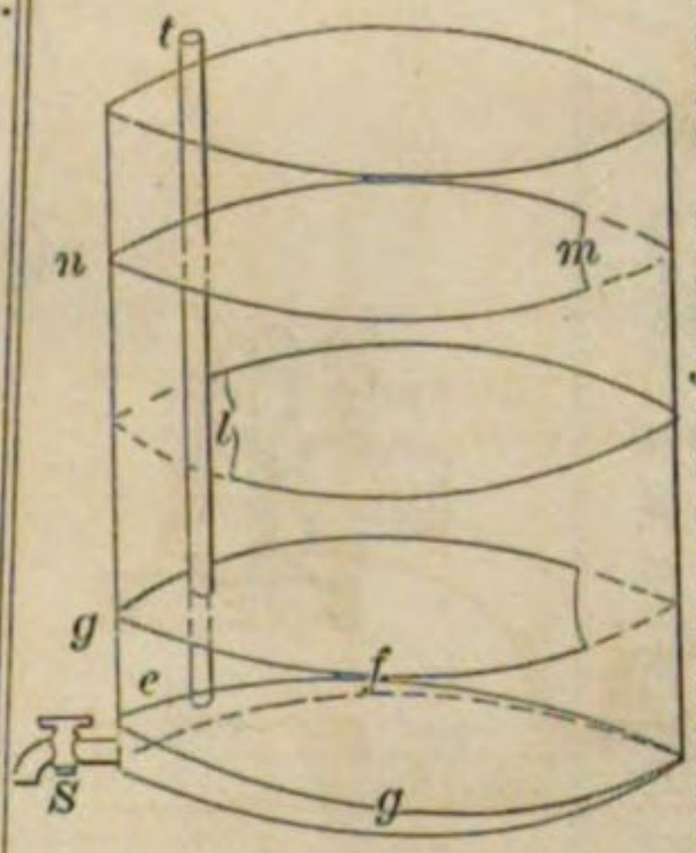
60597—J. H. Walker—*Umbrella.*

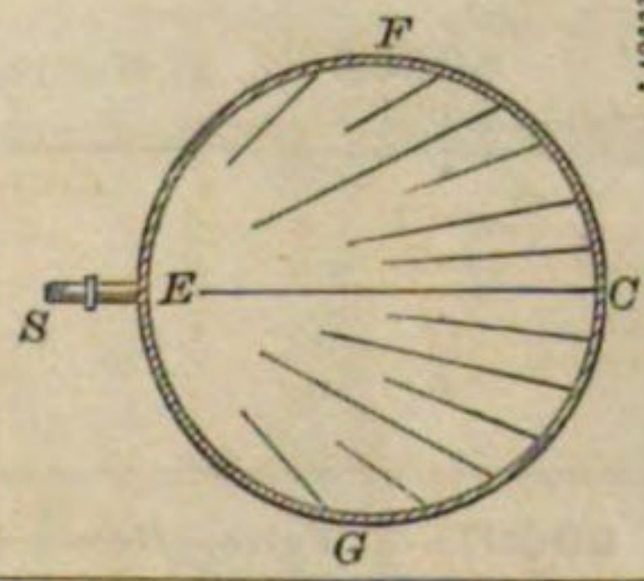


60598—W. S. Walker—*Gas Heating Parlor Stove.*

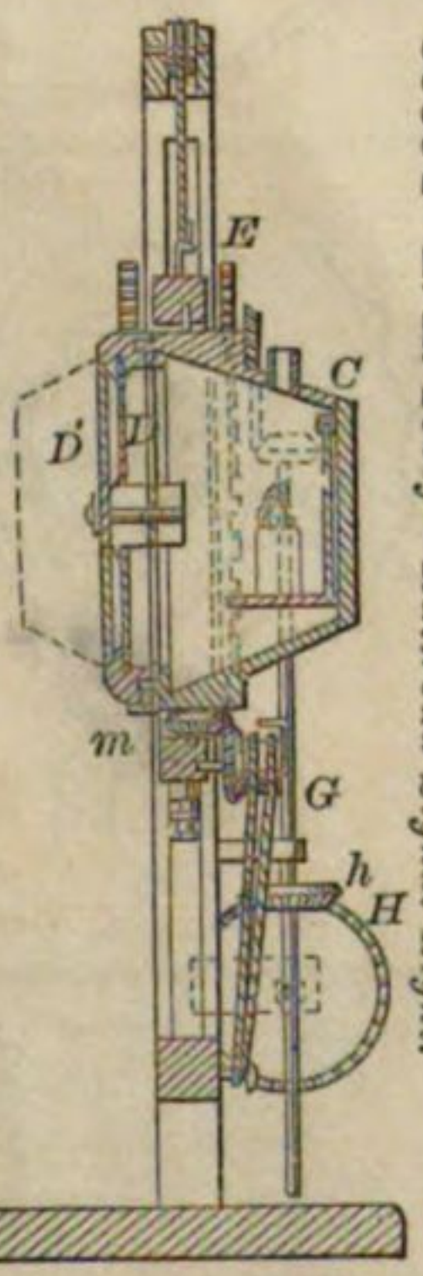


60593—G. W. Sylvester—*Petroleum Filler.*

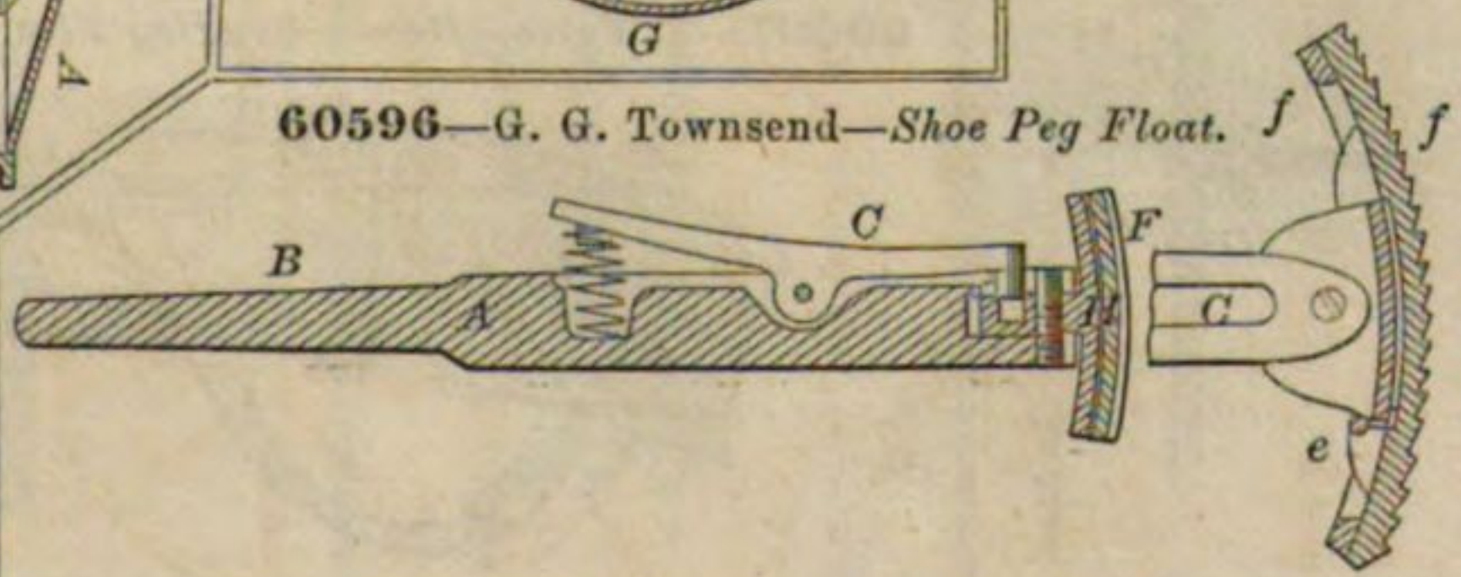




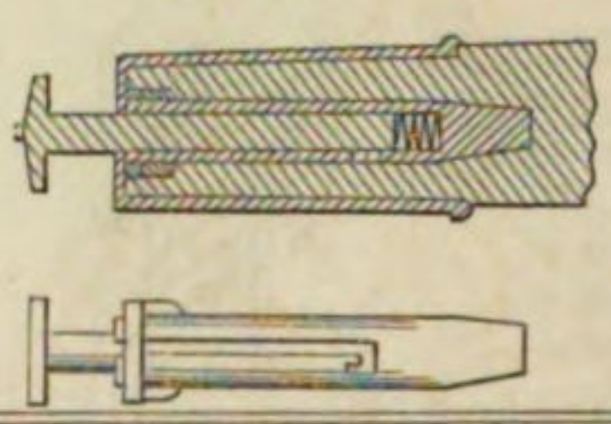
60594—E. H. Tobey—*Railroad Signal Light.*



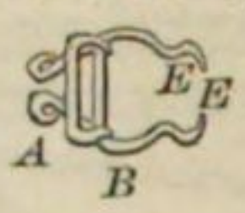
60596—G. G. Townsend—*Shoe Peg Float.*



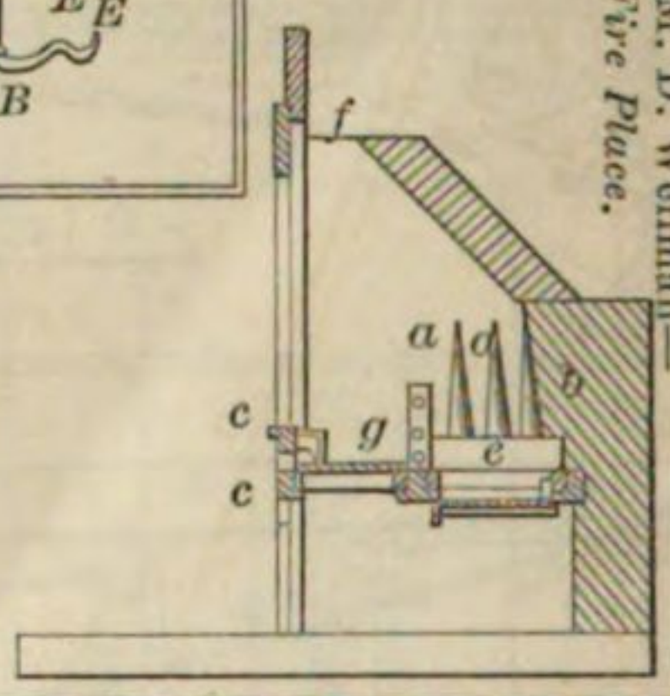
60599—J. R. Watkins—
Trace Fastening.



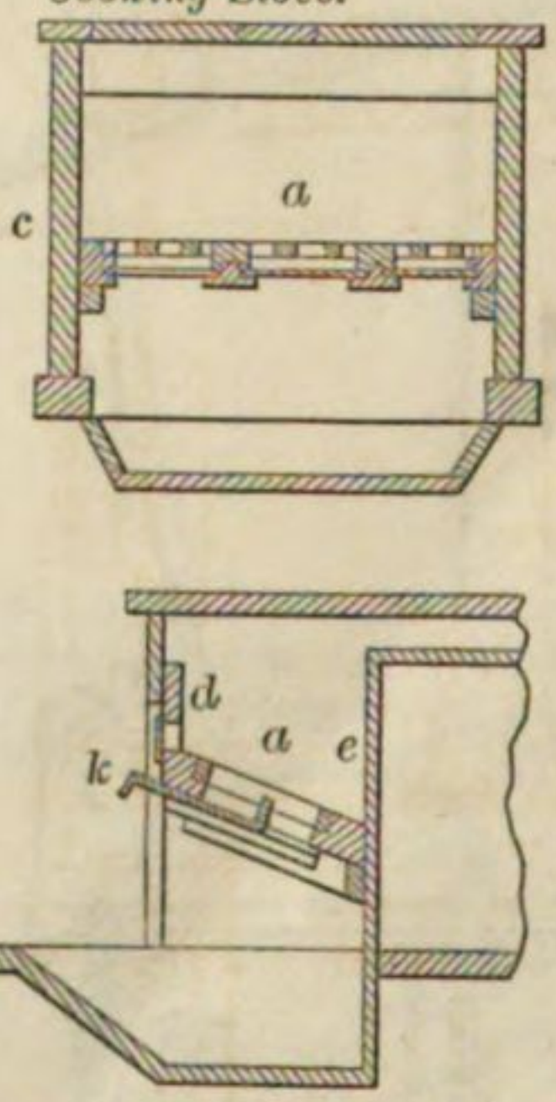
60600—
I. Weinberg—
Hooks and Eyes.



60601—M. D. Wellman—
Open Fire Place.

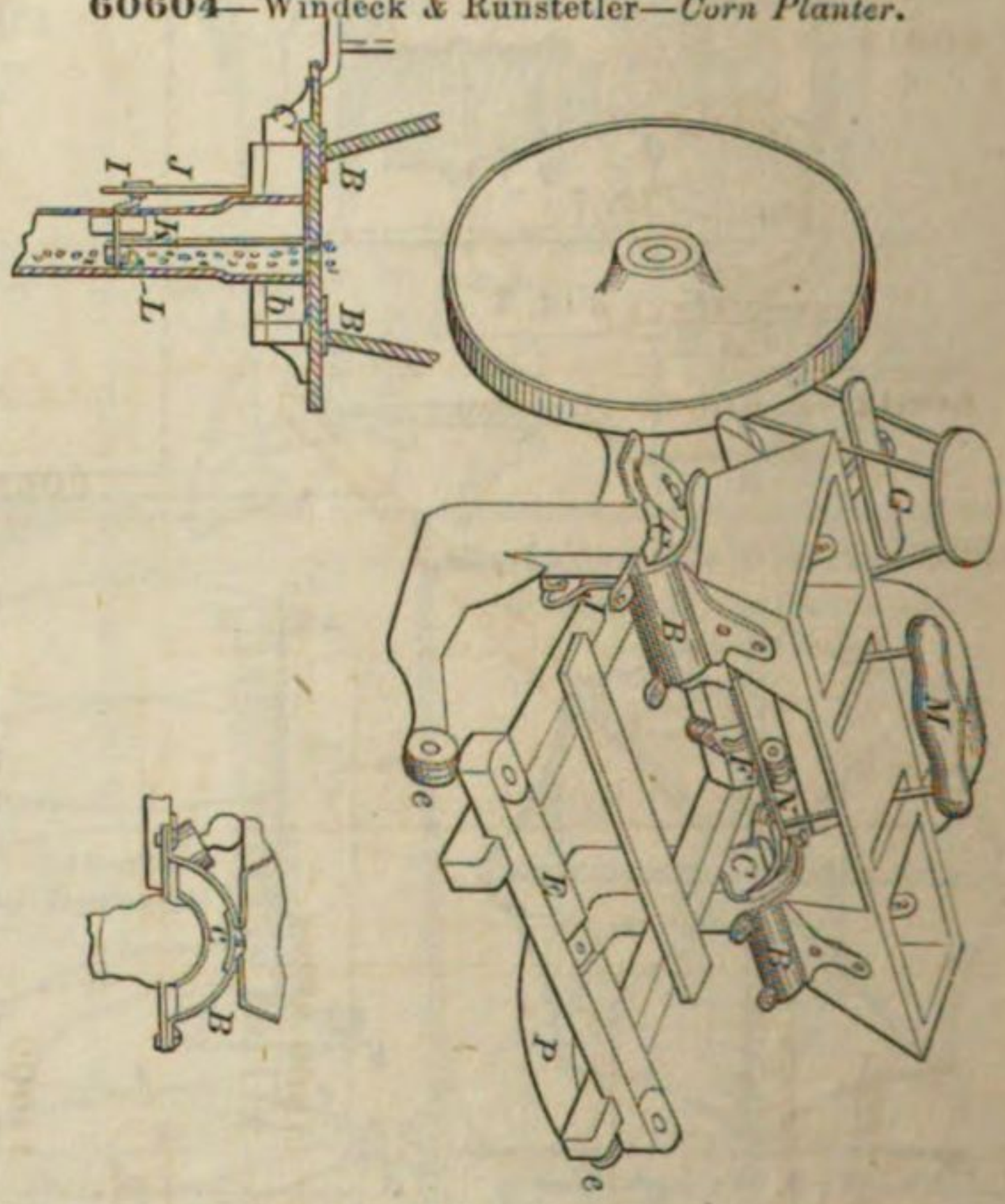


60602—M. D. Wellman—
Cooking Stove.

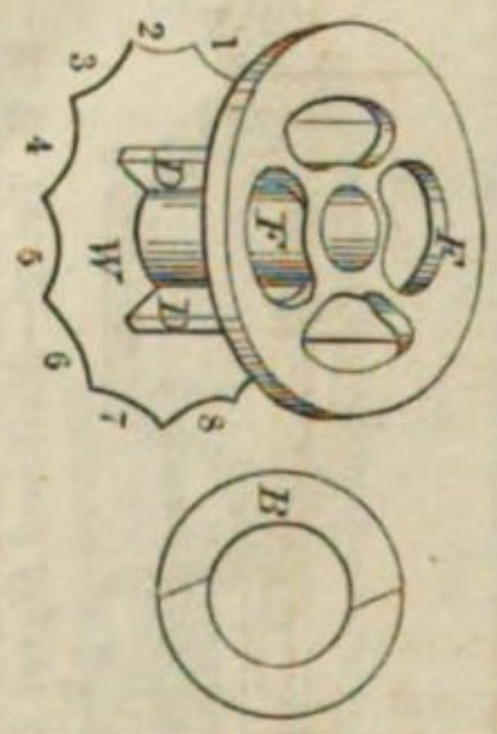


60603—R. C. Wickham—*Milk Can.*

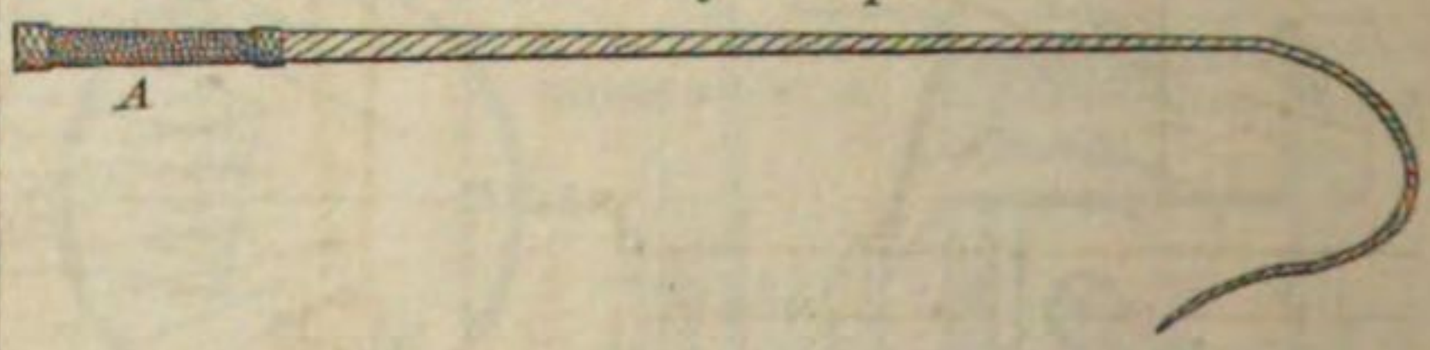
60604—Windeck & Runstetler—*Corn Planter.*



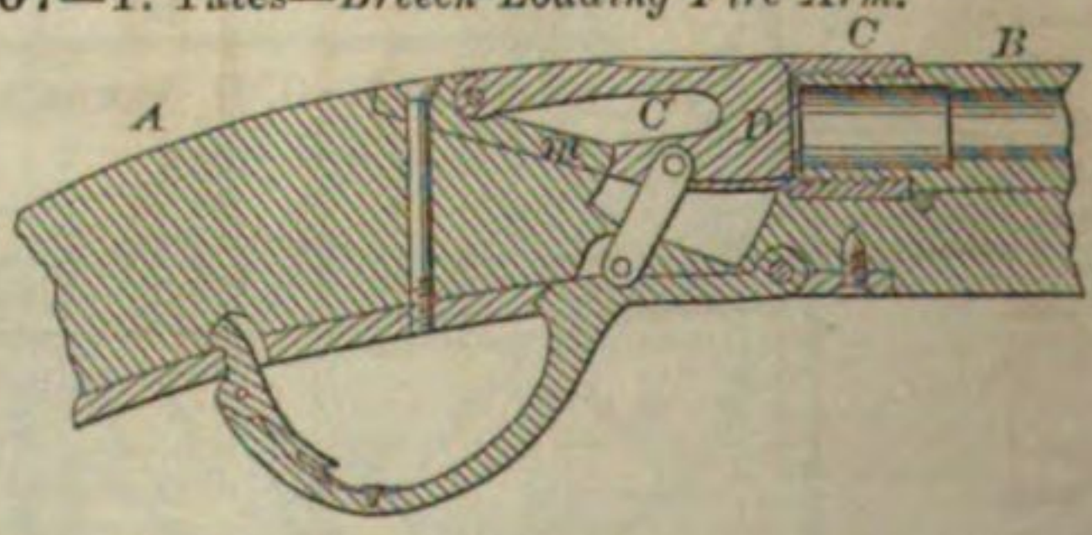
60605—E. B. Winship—
Pump.



60606—E. F. Woodbury—*Whip.*

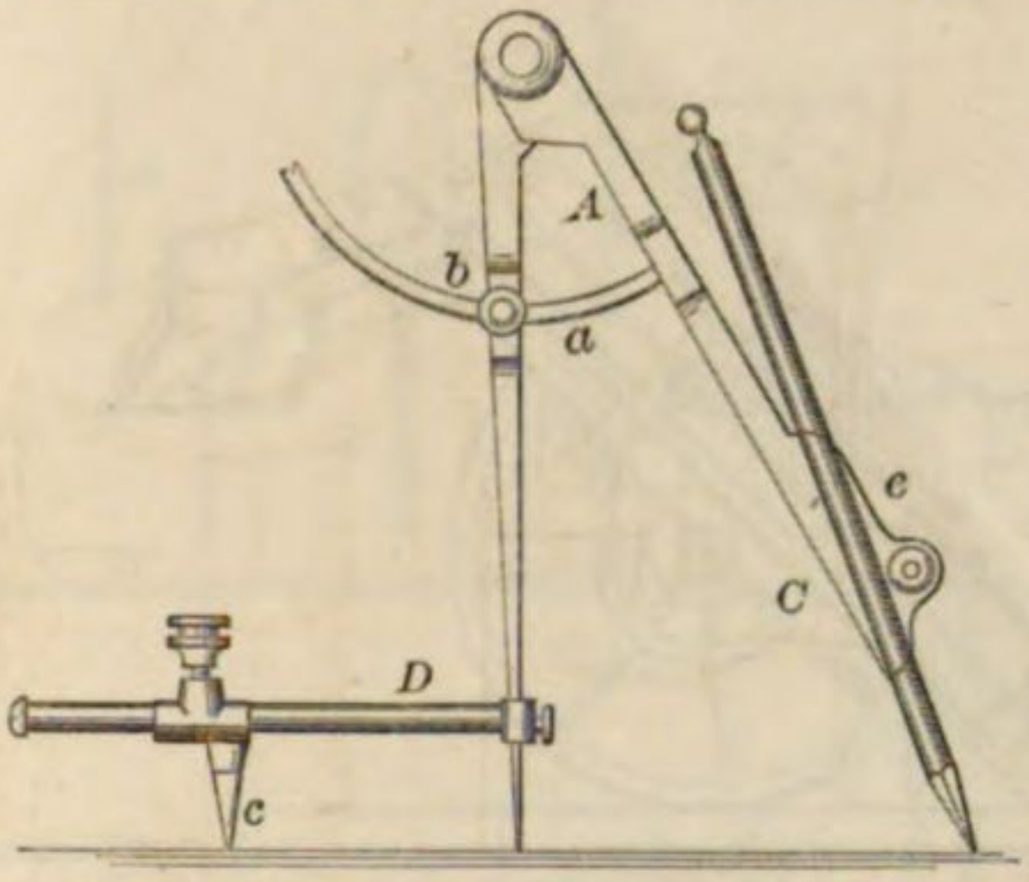


60607—T. Yates—*Breech-Loading Fire Arm.*

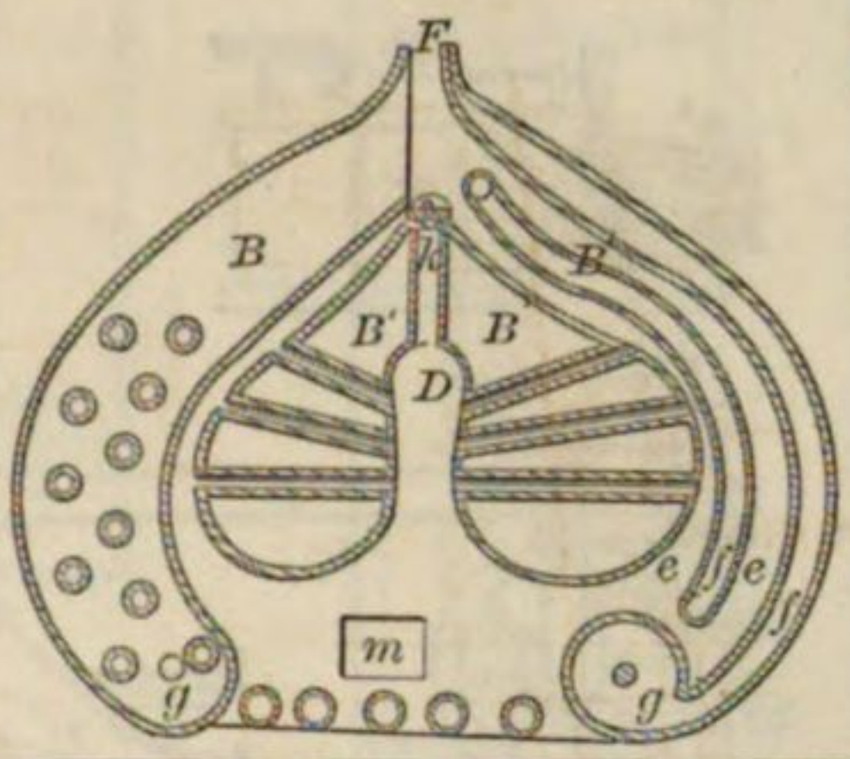


60608—C. W. Acker—*Carriage Curtain Eyelet.*

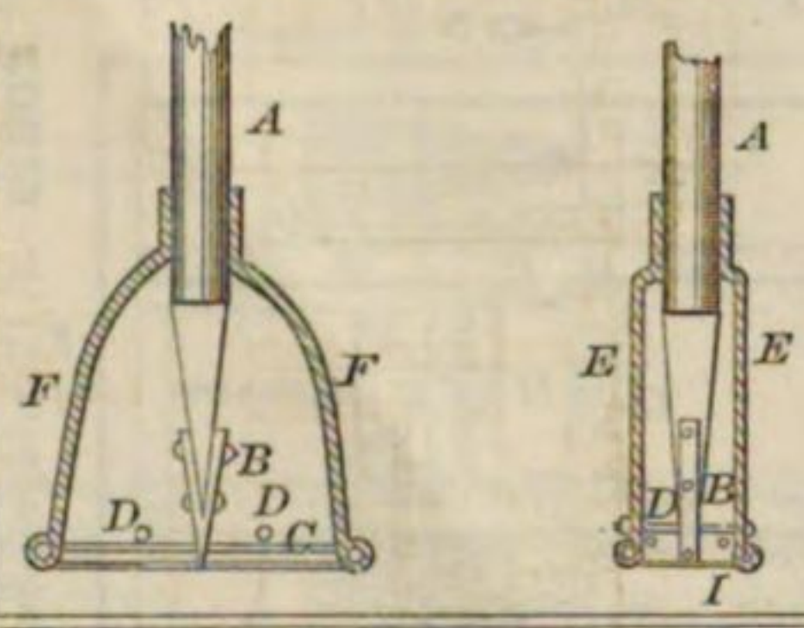
60609—H. M. Albee—*Ellipsograph.*



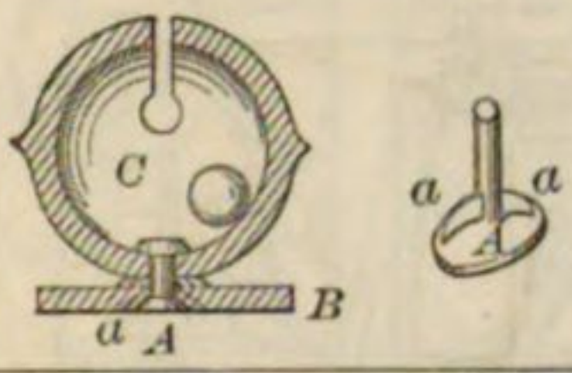
60611—R. Bailey—*Steam Generator.*



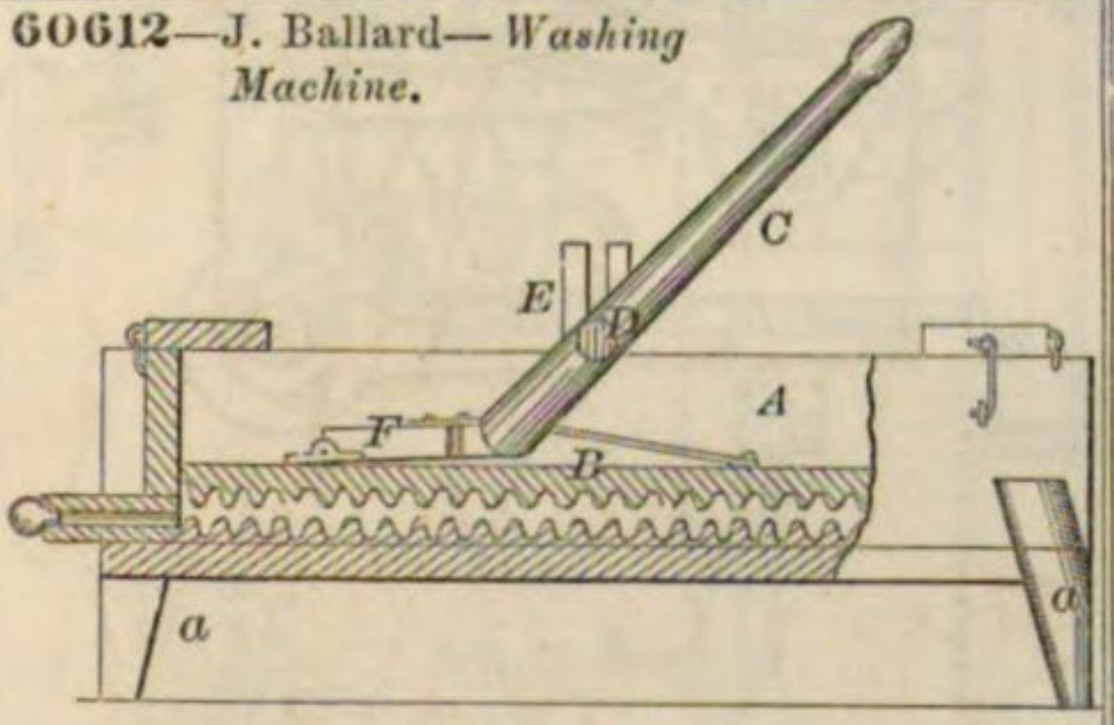
60615—W. P. Brooks—*Broom Head.*



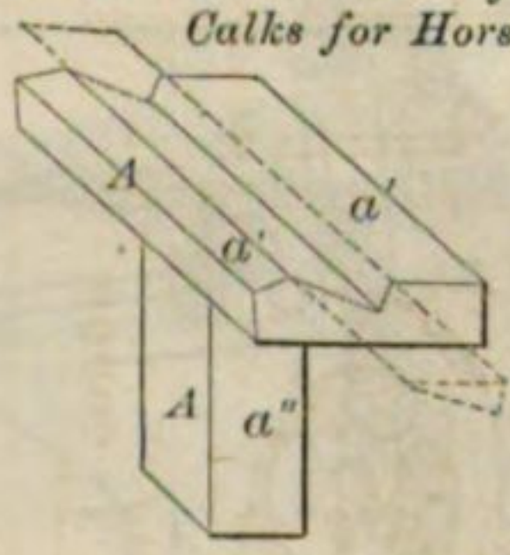
60613—A. G. Bevin—*Sleigh Bells.*



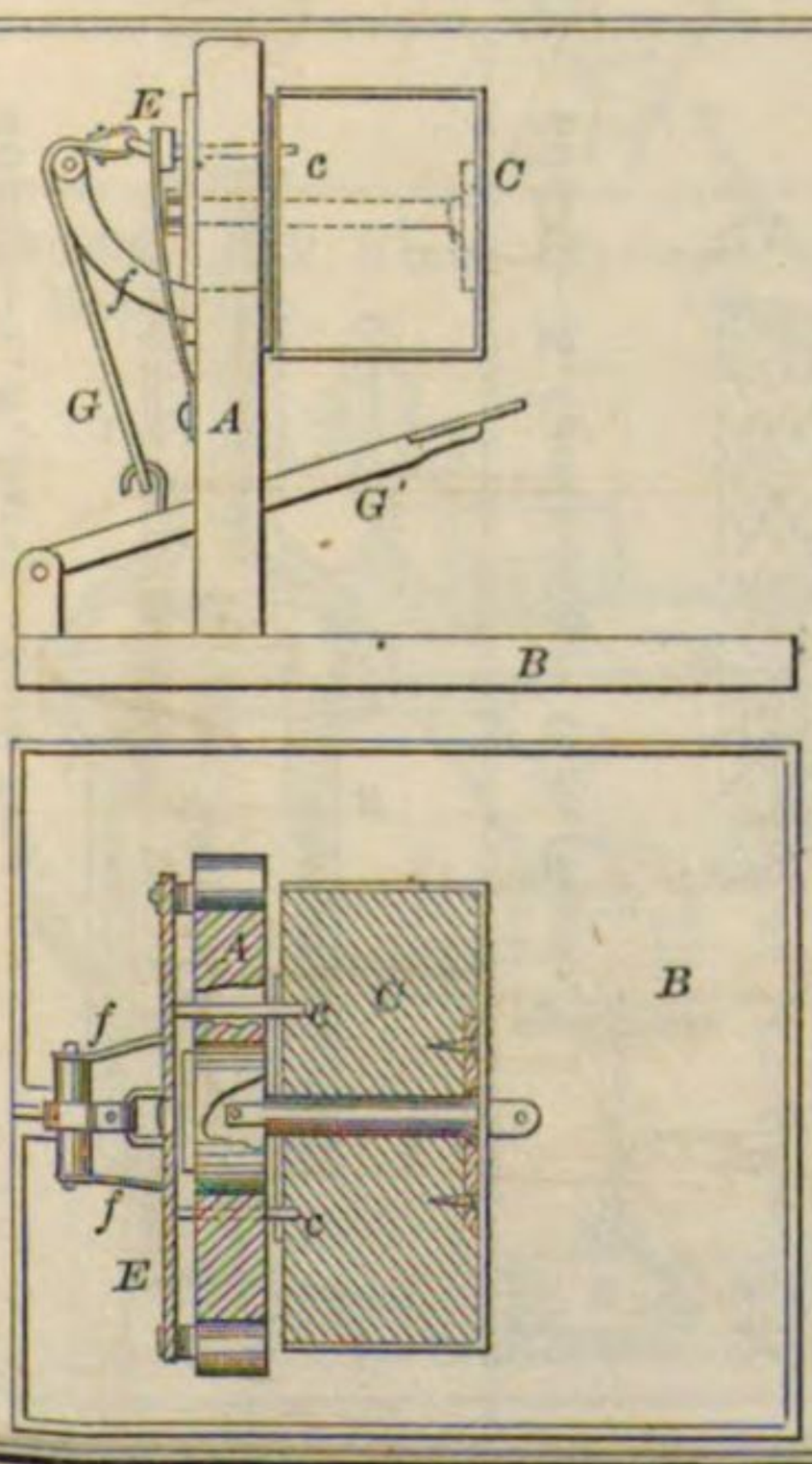
60612—J. Ballard—*Washing Machine.*



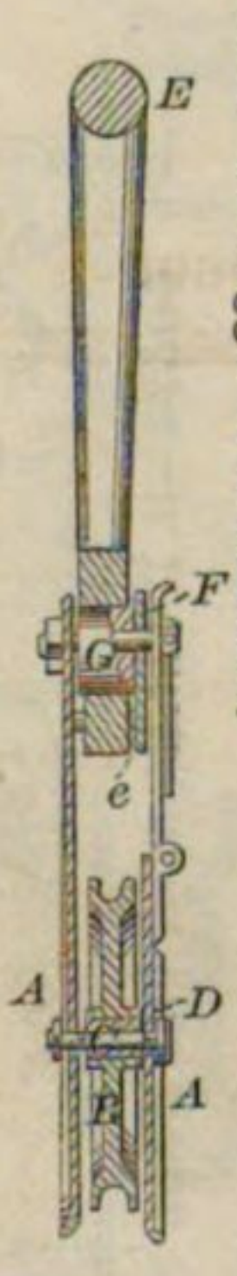
60610—P. Badore—*Anvil for Swaging Calks for Horse Shoes.*



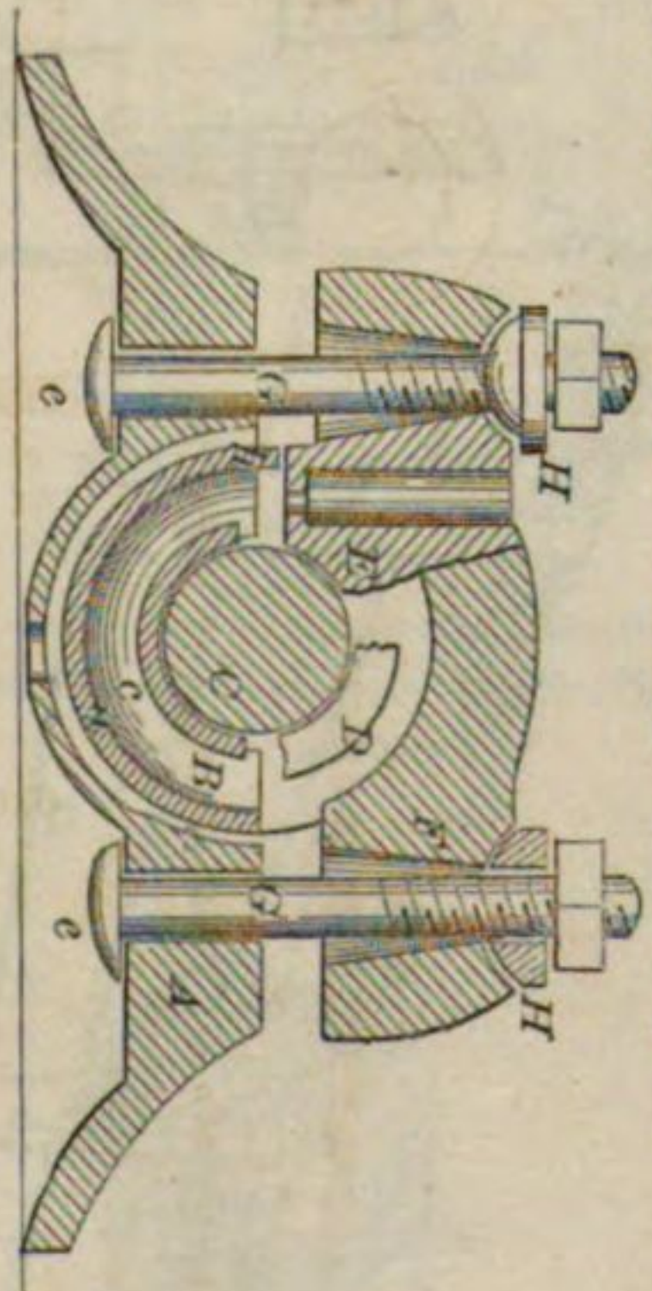
60617—W. D. Burnett—*Anvil to Rivet Trunks.*



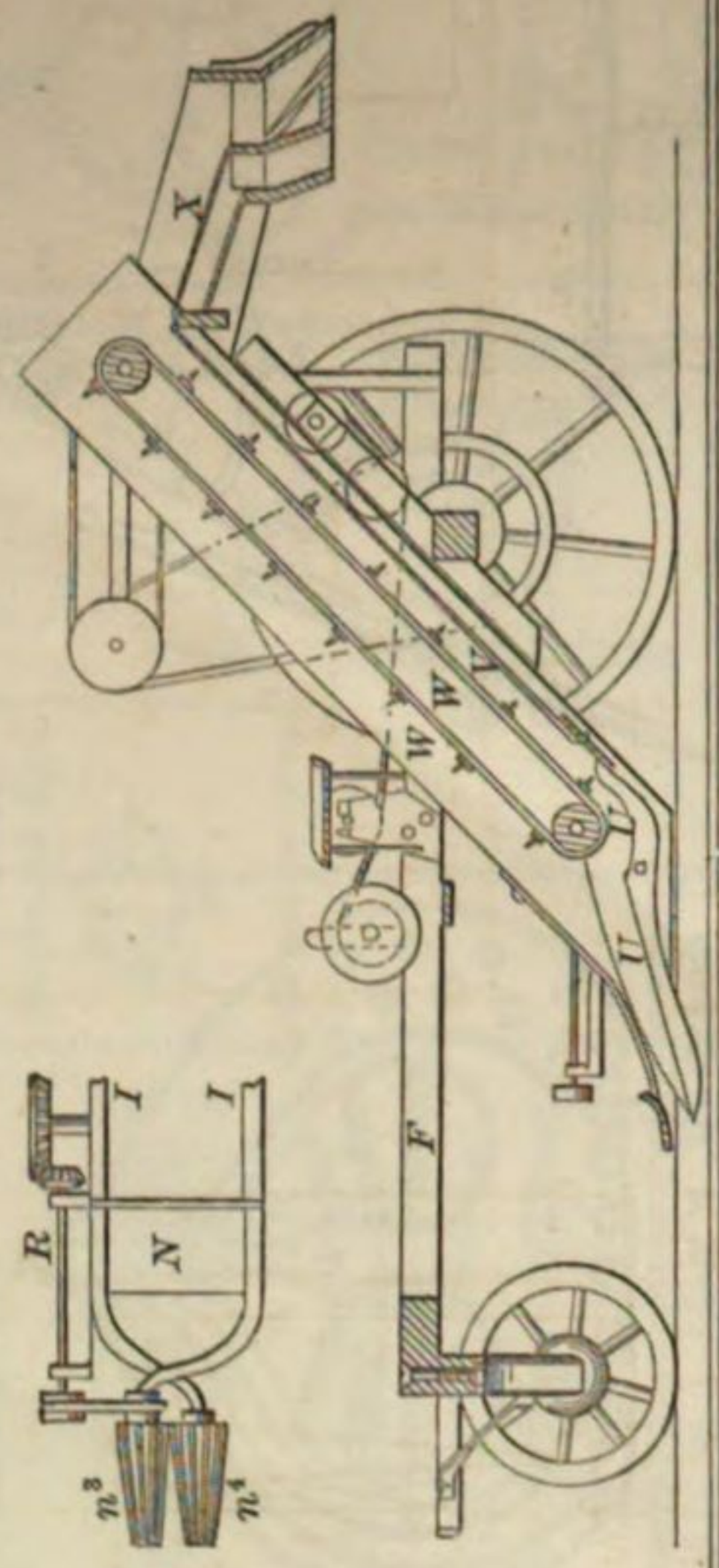
60614—J. Briggs—*Tackle Block.*



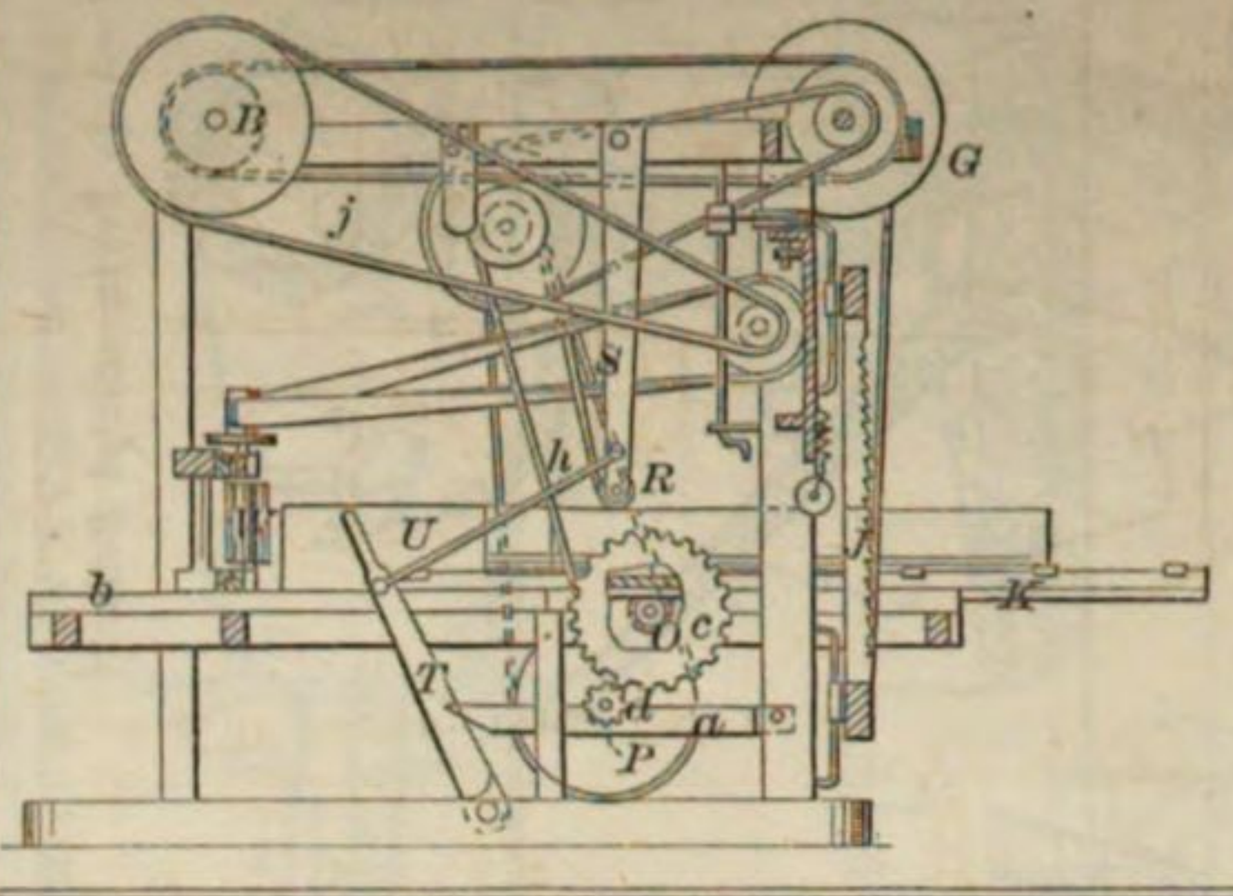
60616—T. S. Brown—*Bearing for Machinery.*



60618—C. B. Cannon—*Potato Digger.*

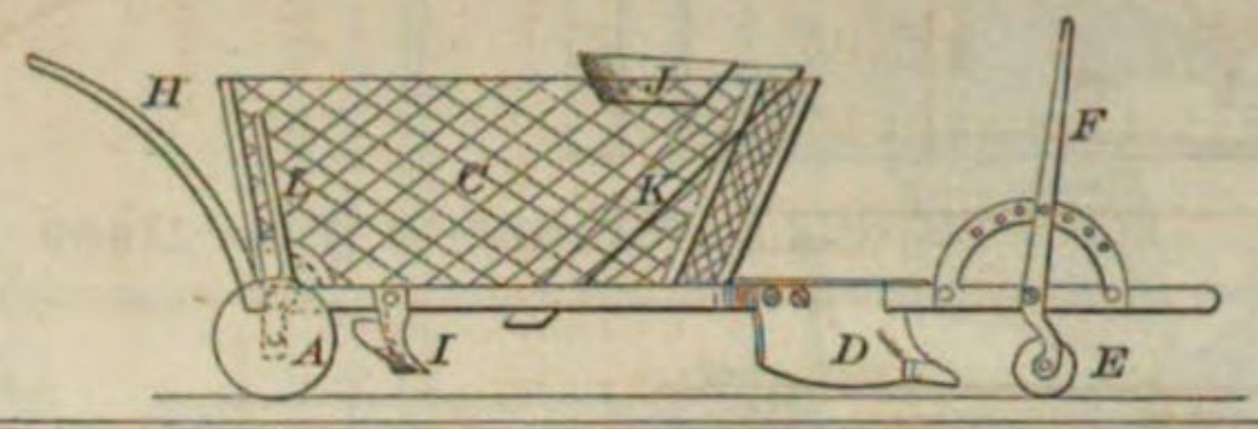


60621—T. H. Cushing—*Sawing Machine.*

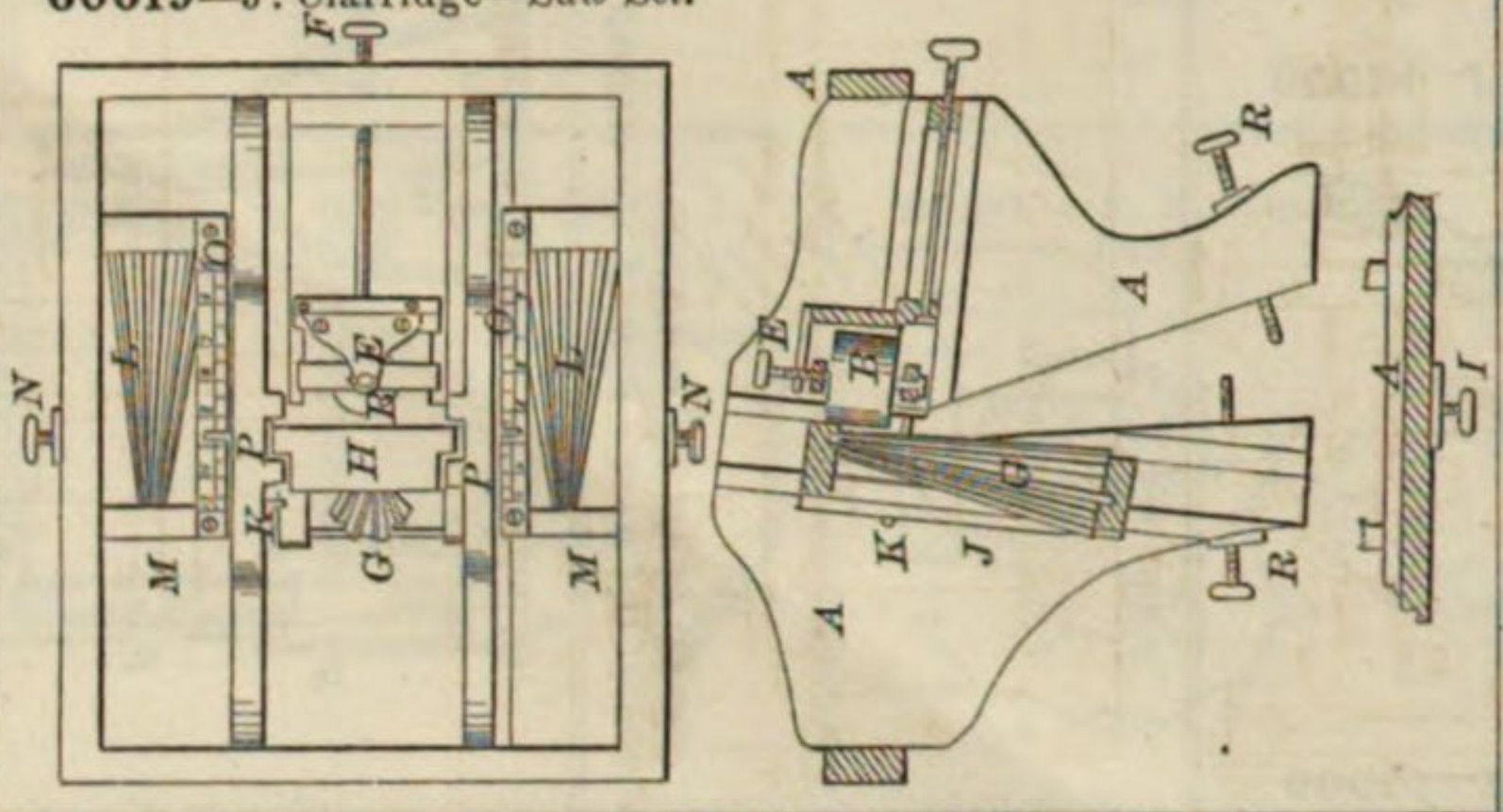


60622—T. N. Davey—*Steam Trap.*

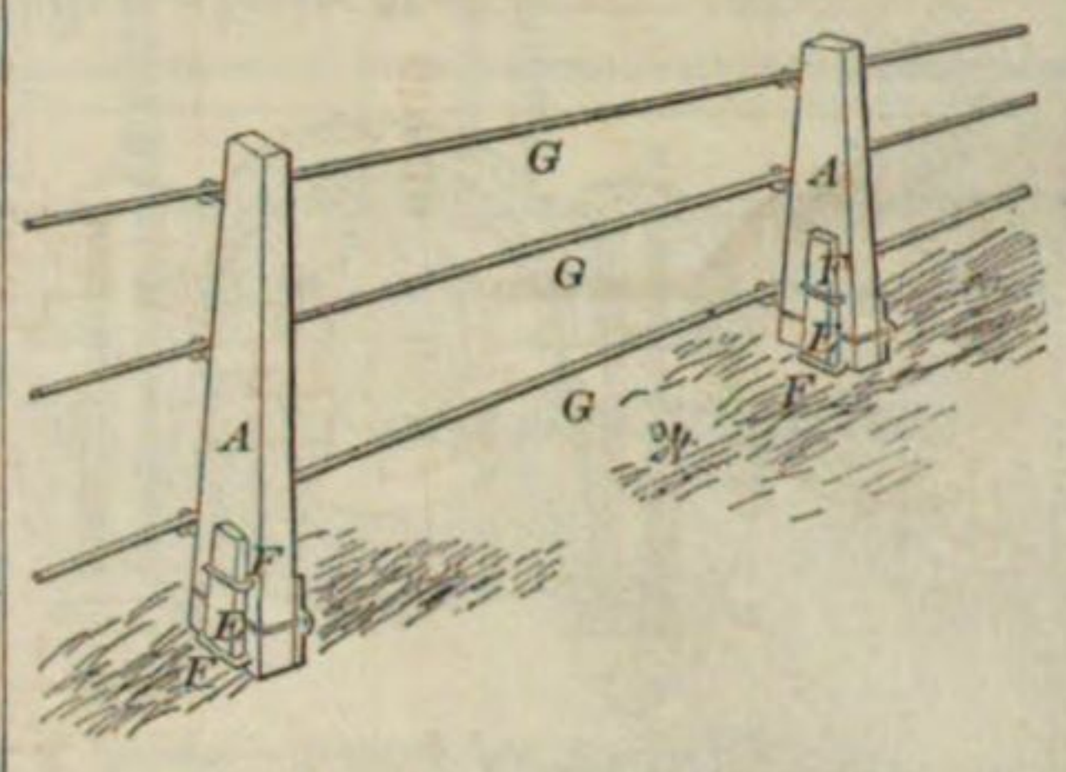
60620—E. Cortés—*Sugar Cane Planter.*



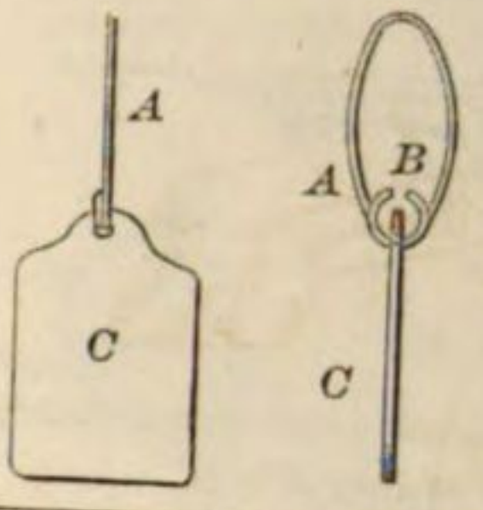
60619—J. Clarridge—*Saw Set.*



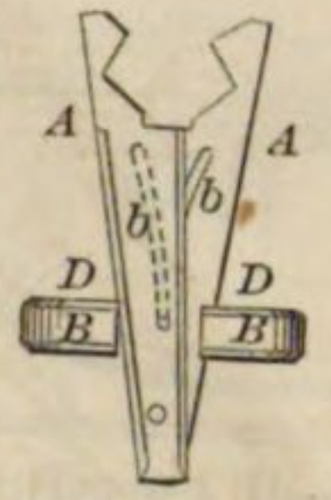
60623—B. F. Elliott—*Grape Vine Trellis.*



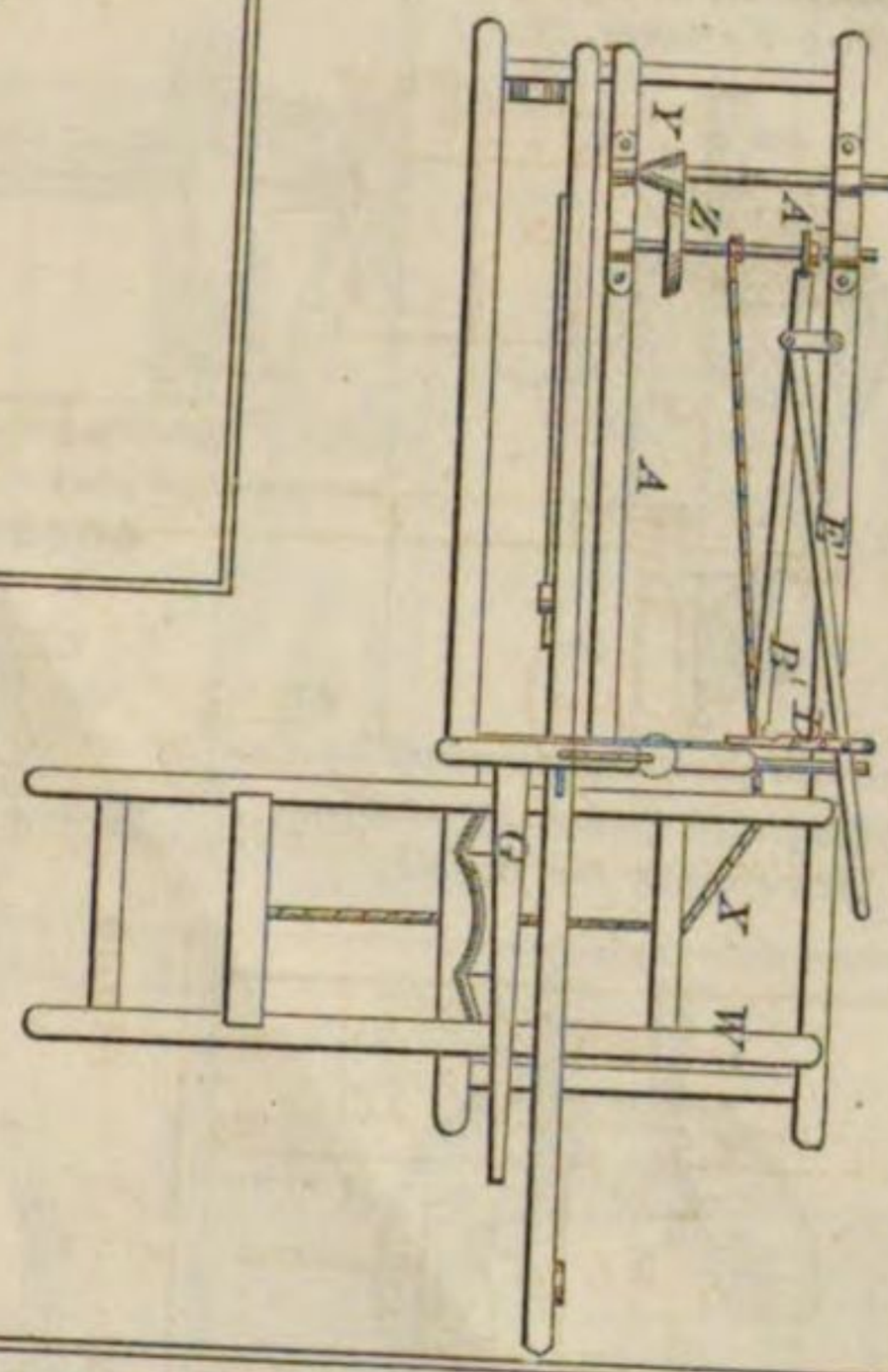
60624—S. B. Fay—*Tag Loop.*



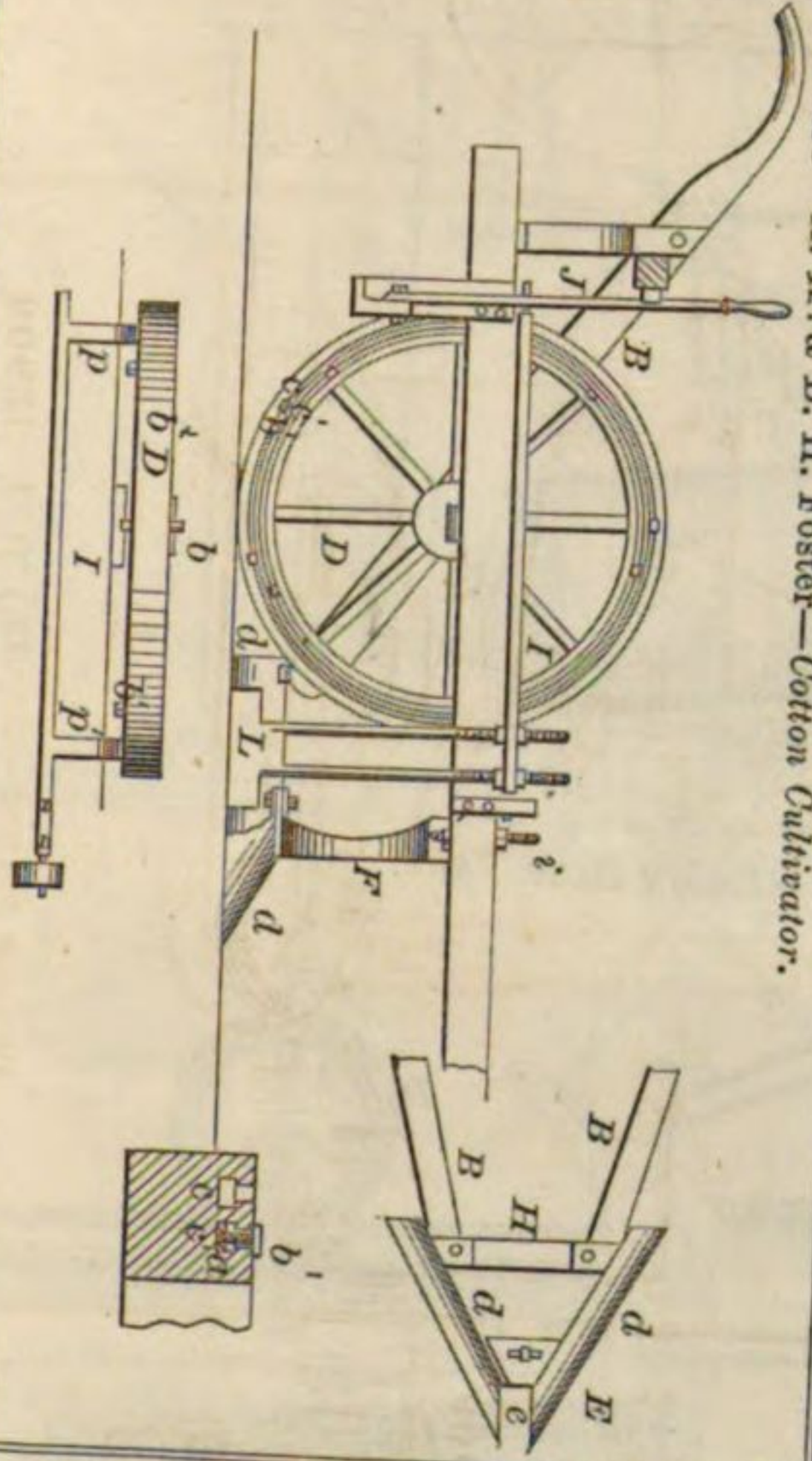
60627—T. L. Goble—*Clothes Pin.*



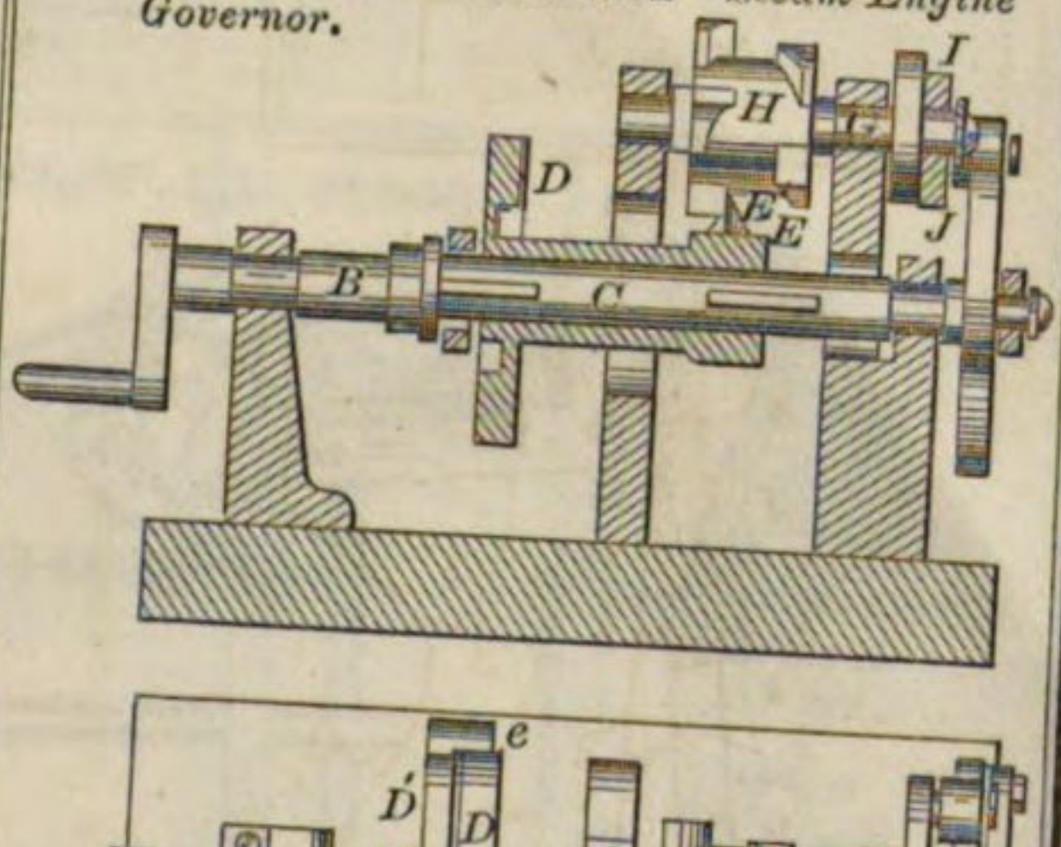
60628—E. Hard—*Sawing Machine.*



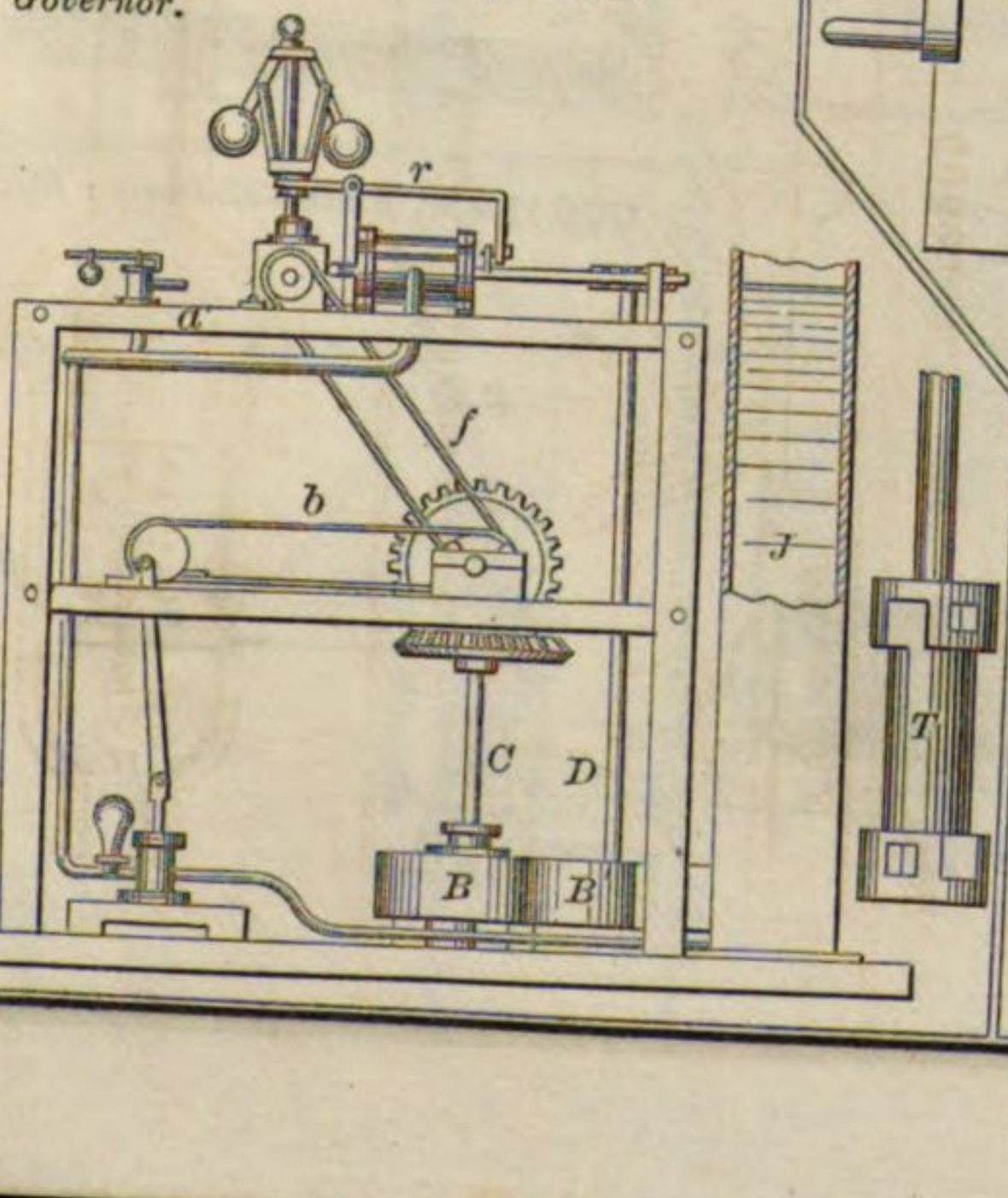
60625—A. K. & B. H. Foster—*Cotton Cultivator.*



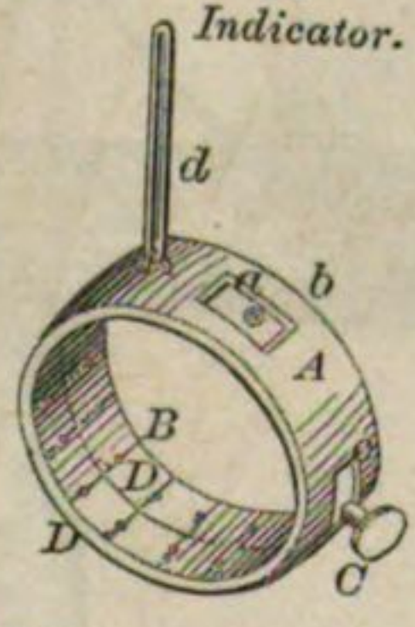
60629—A. A. Henderson—*Steam Engine Governor.*



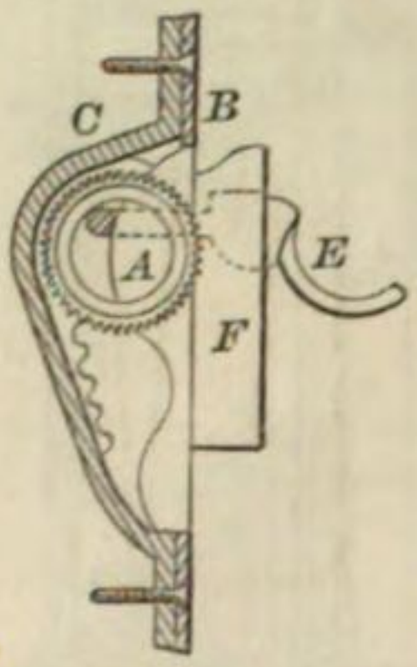
60632—S. M. Hunter—*Hydraulic Governor.*



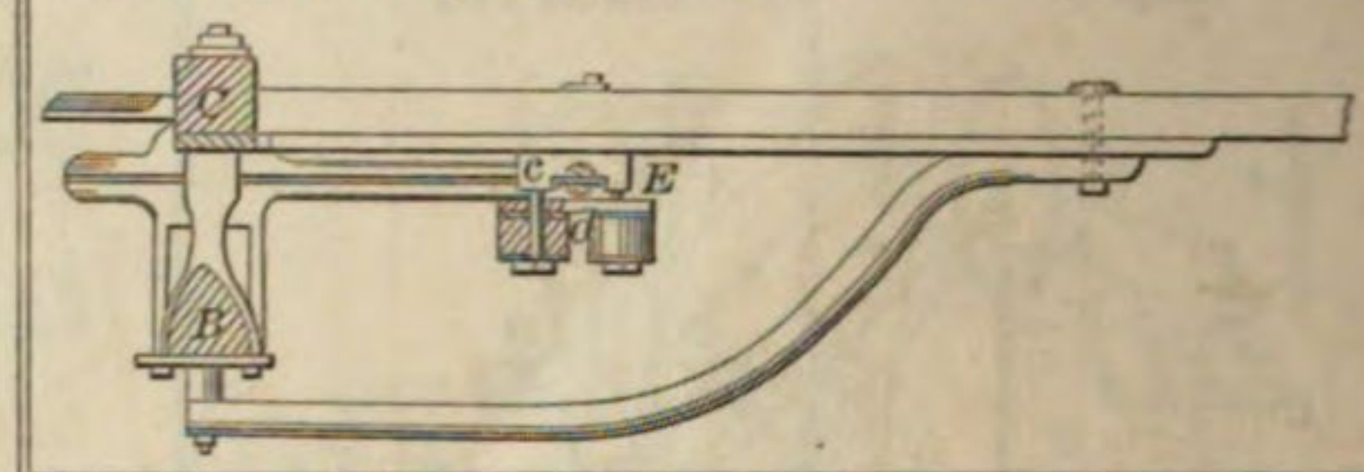
60630—J. Higgins—*Solar Time Indicator.*



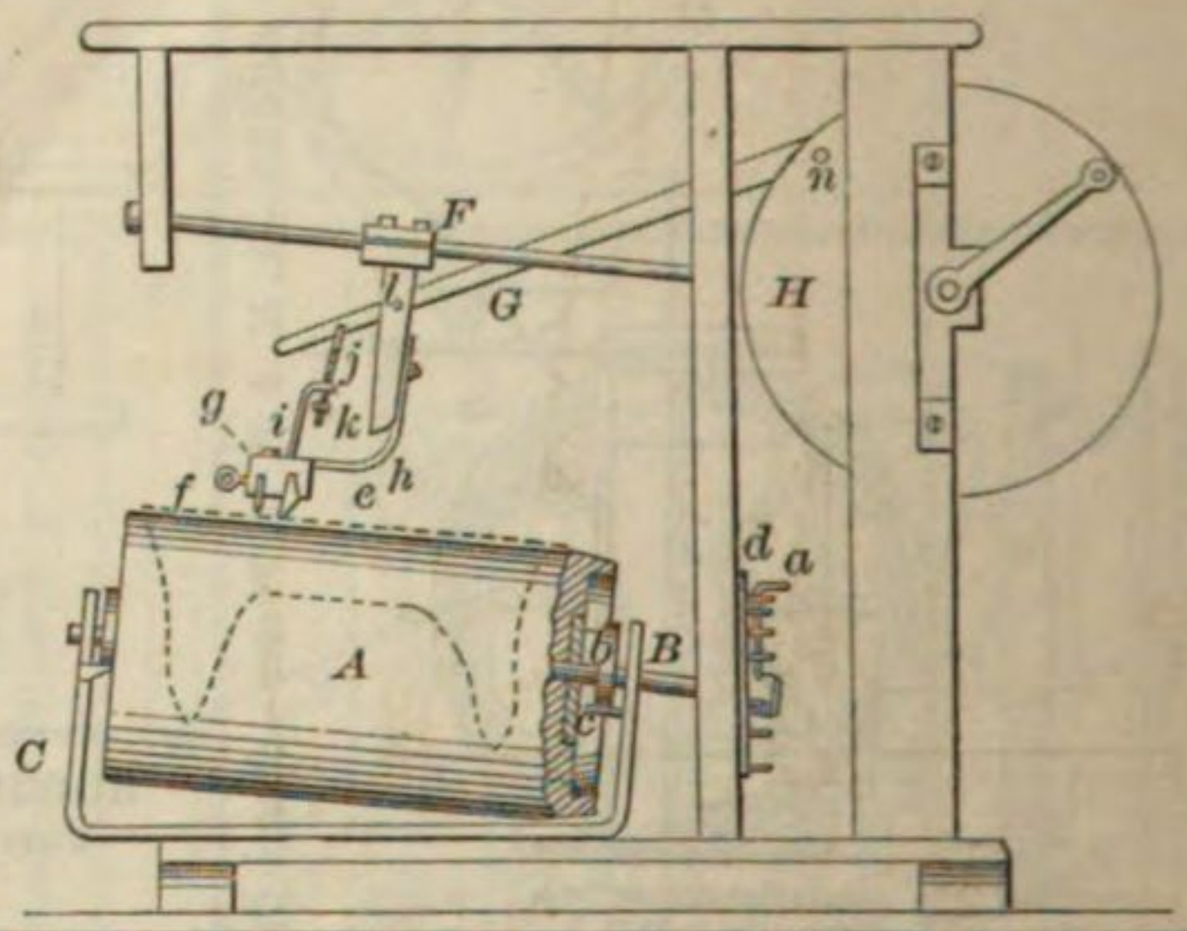
60633—B. S. Hyers—*Sash Fastener.*



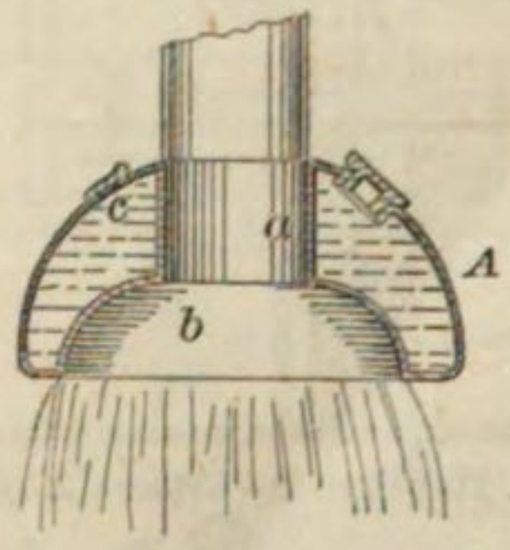
60634—J Irving—*Fifth Wheel.*



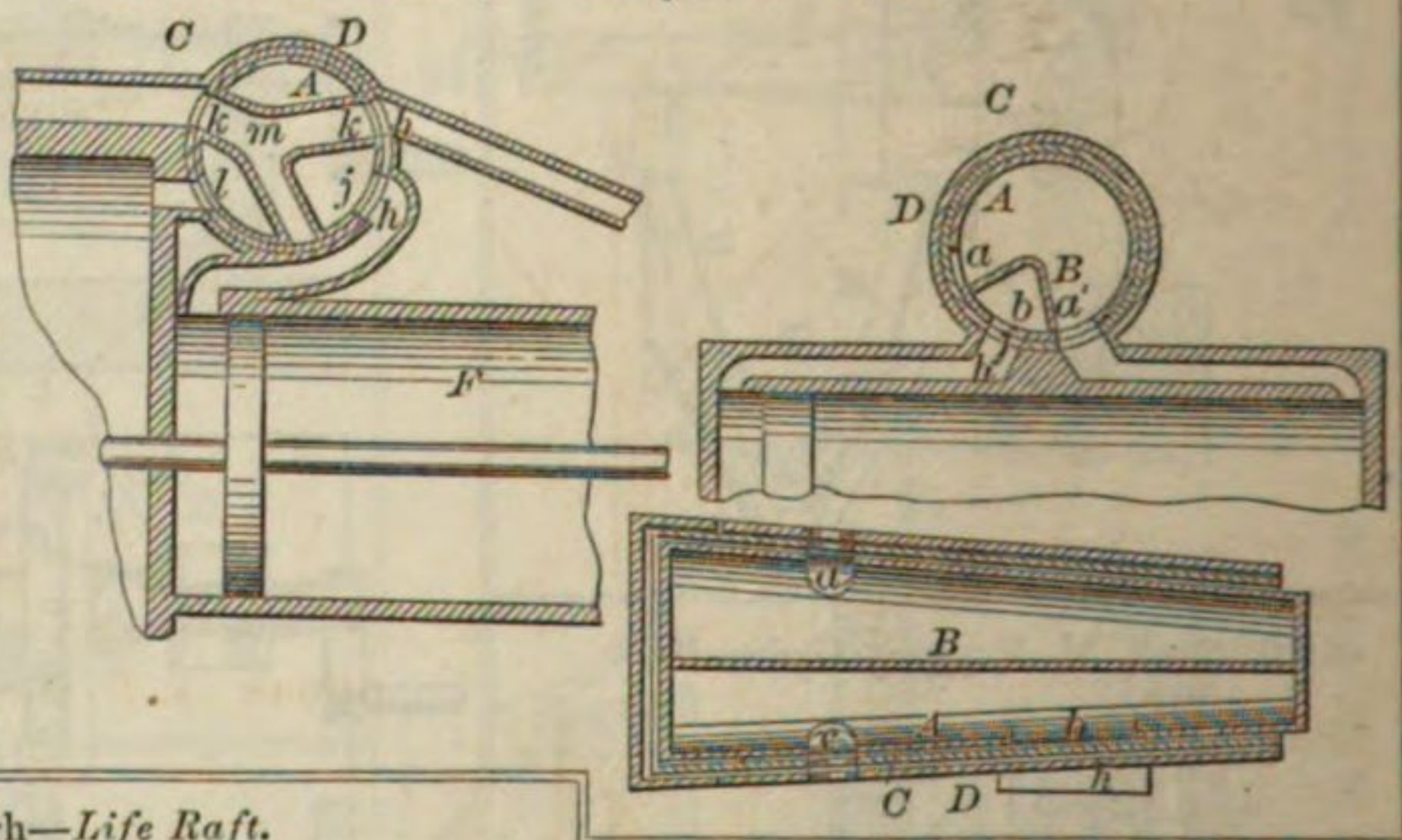
60636—H. Lampert—*For Scraping Hides.*



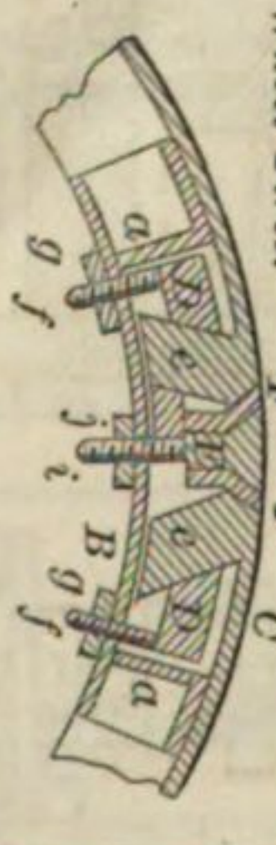
60637—P. Louis—*Sprinkling Attachment for Brooms.*



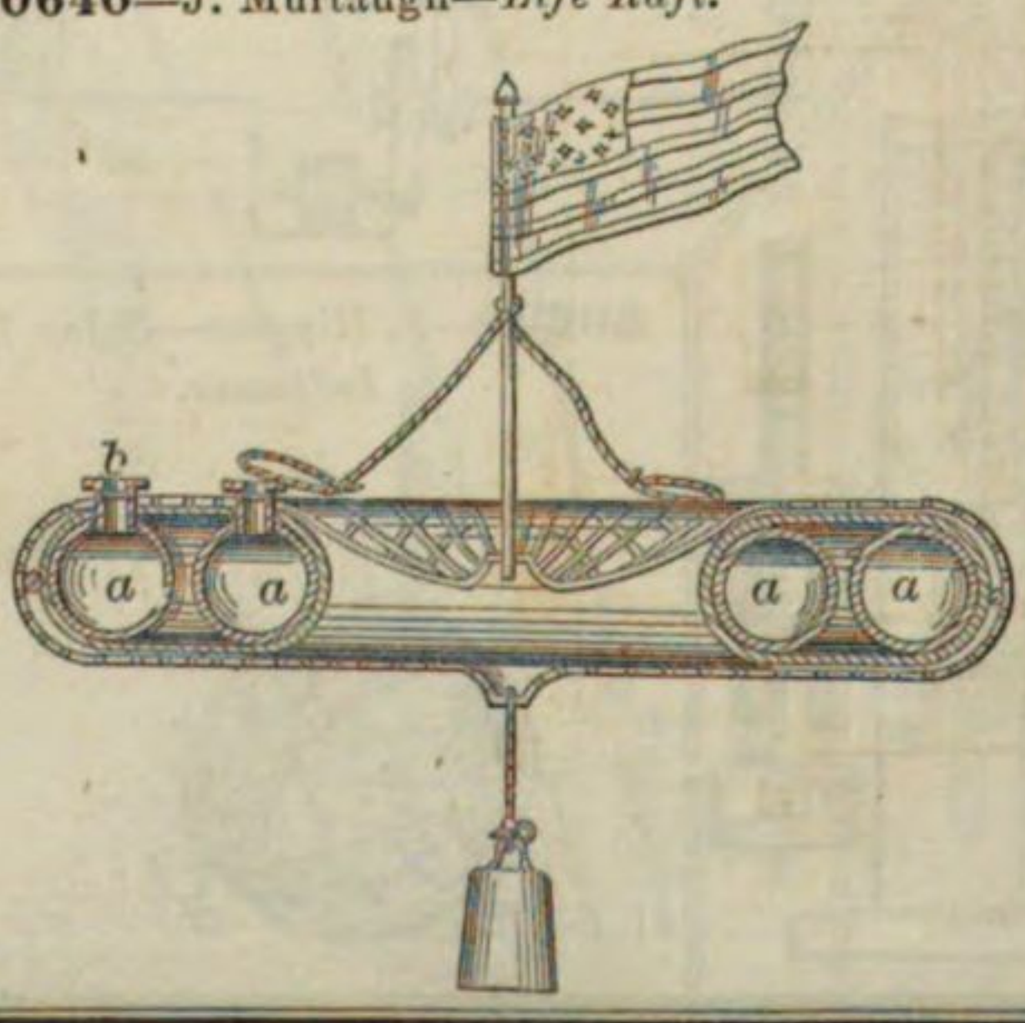
60638—J. L. Mackey—*Rotary Steam Valve.*



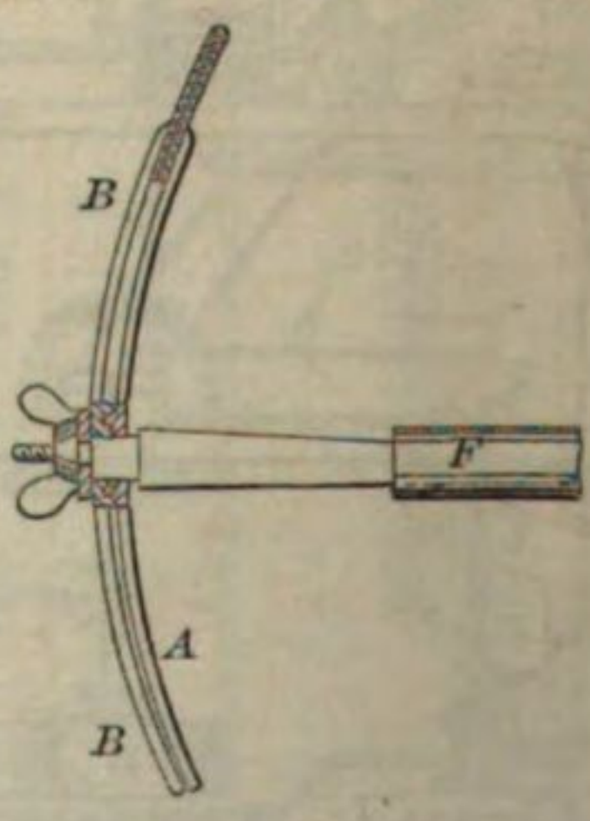
60639—F. B. Morse—*For Tightening Wheel Tires.*



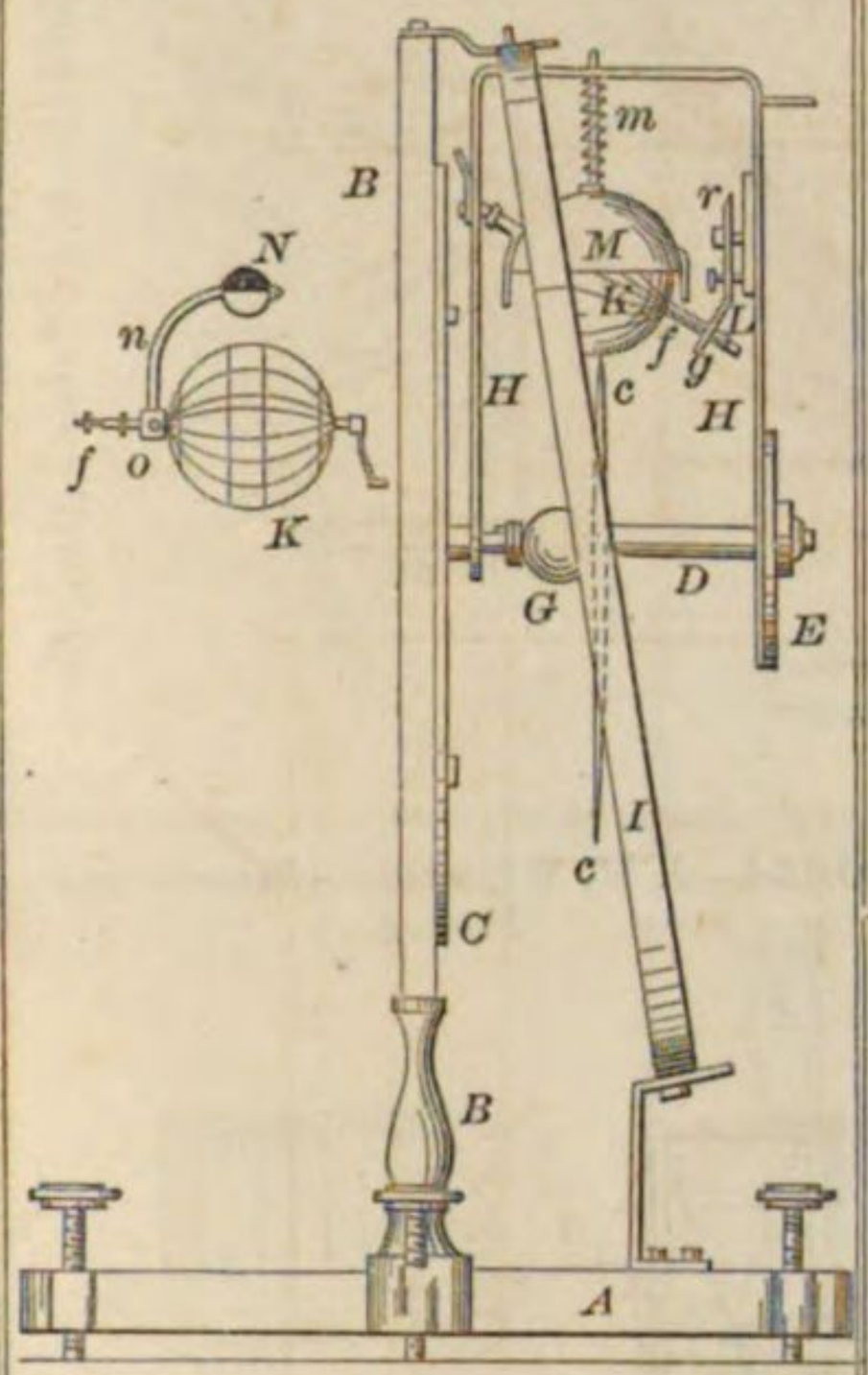
60640—J. Murtaugh—*Life Raft.*



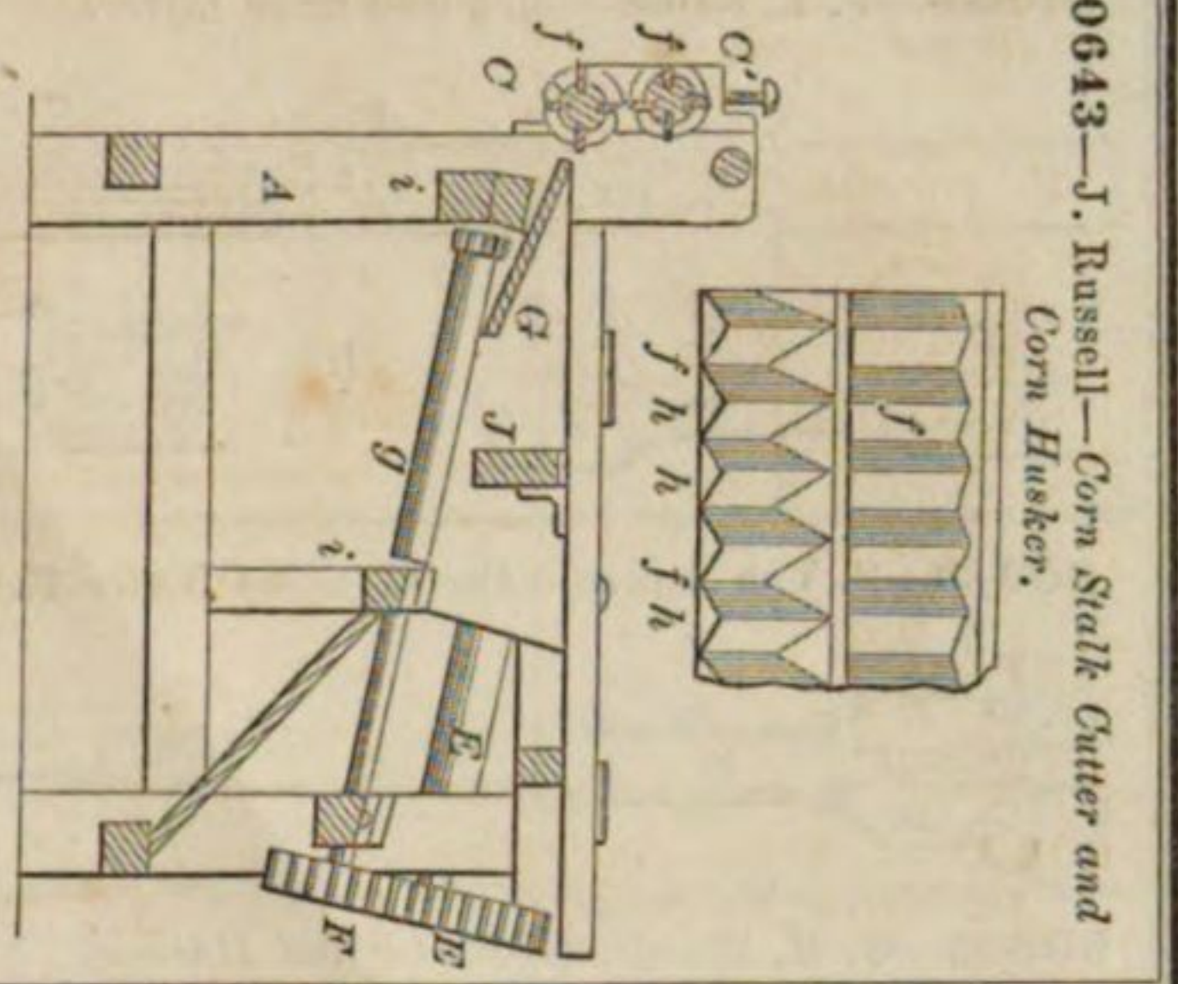
60641—M. Renz—*Extension Hoe.*



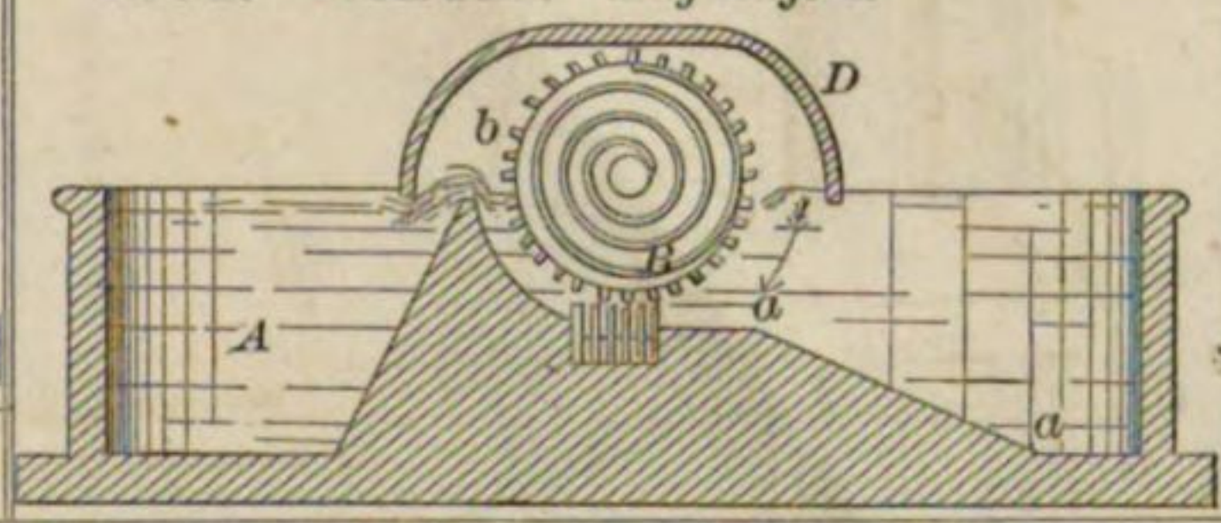
60642—E. Root—*Terrasphere.*



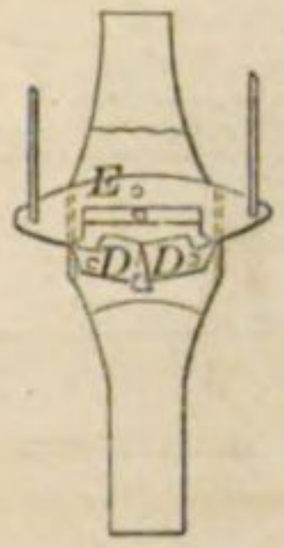
60643—J. Russell—*Corn Stalk Cutter and Corn Husker.*



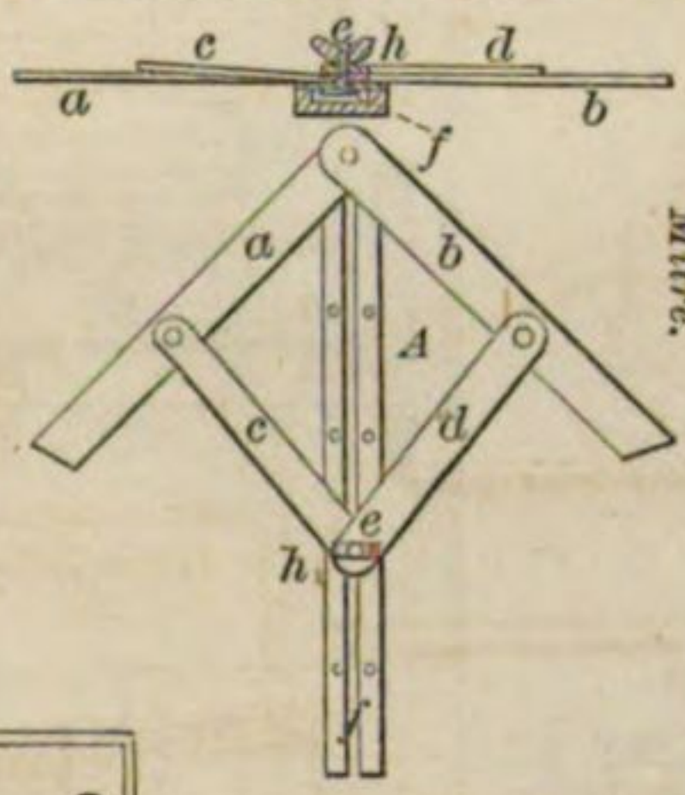
60645—J. M. Shew—*Rag Engine.*



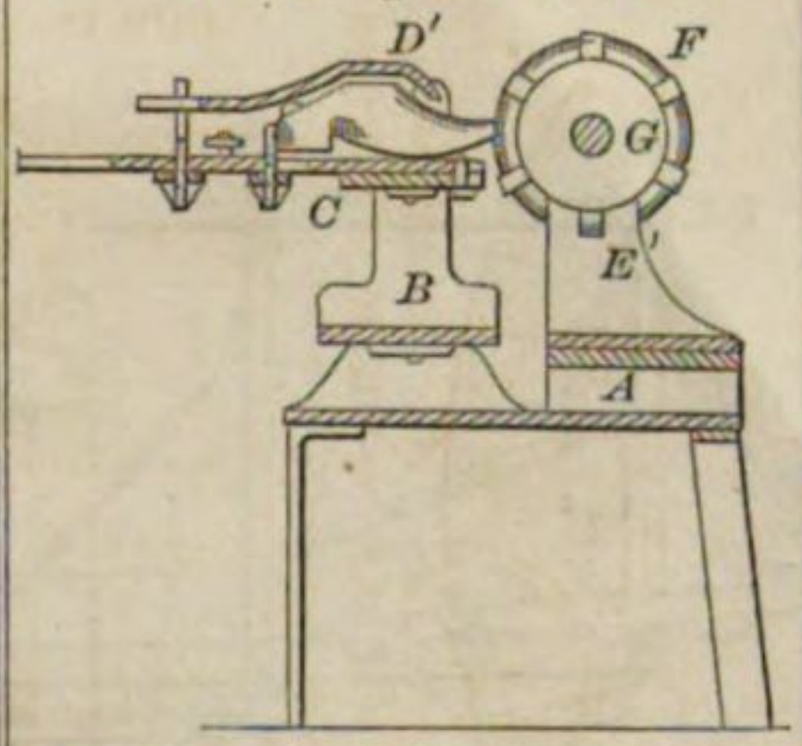
60644—B. D. Shaw—*Latch.*



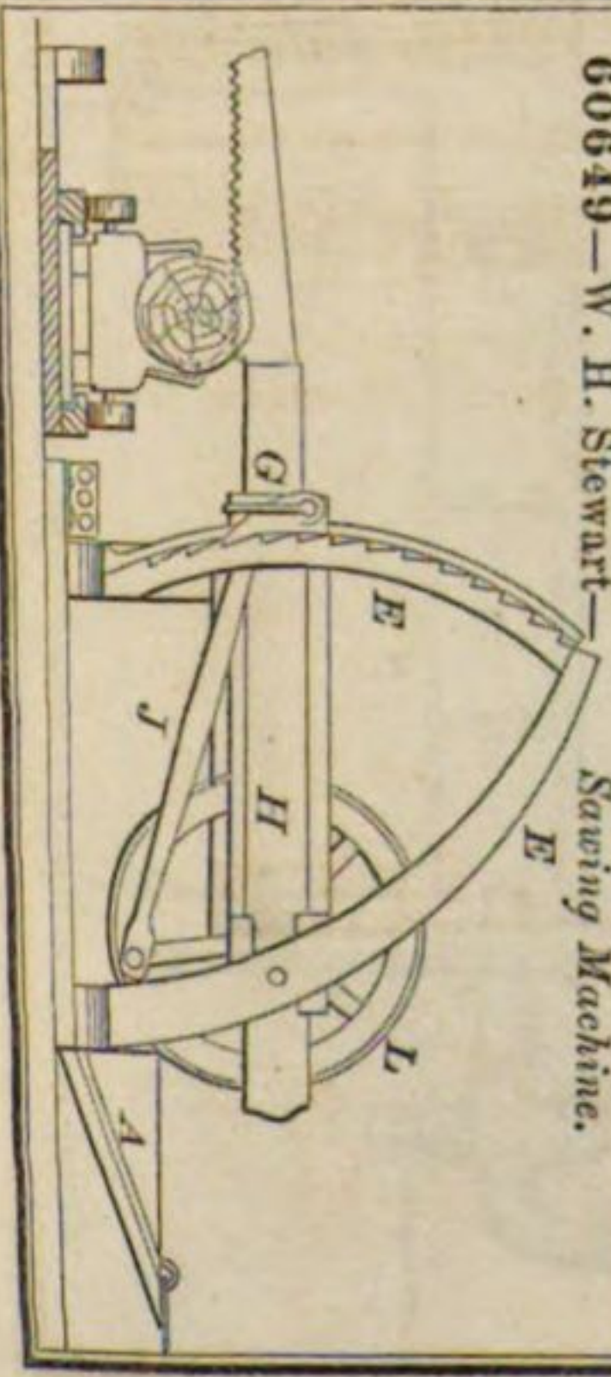
60646—P. A. Snyder—*Adjustable Mitre.*



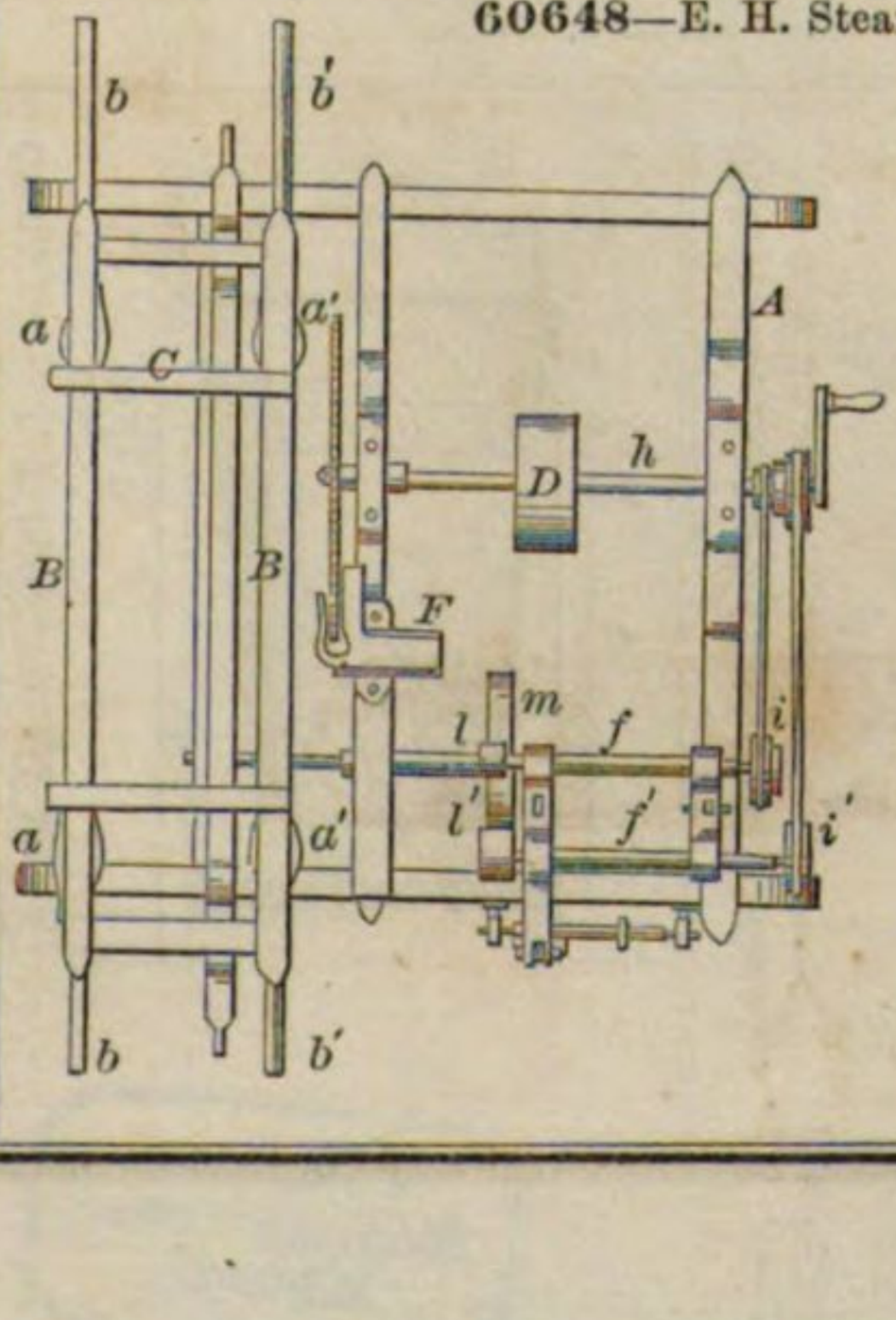
60647—M. Spenle—*Lathe.*

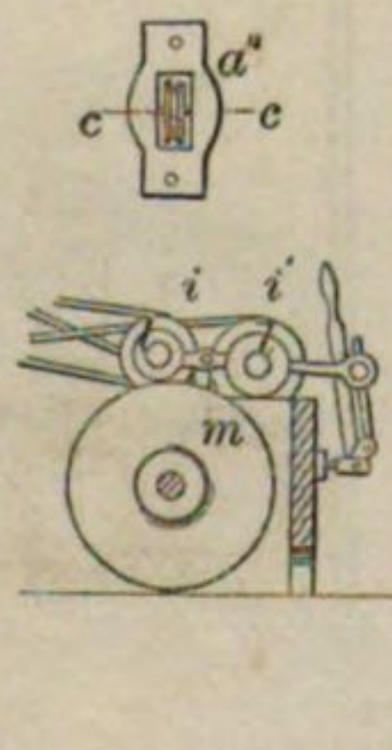


60649—W. H. Stewart—*Sawing Machine.*

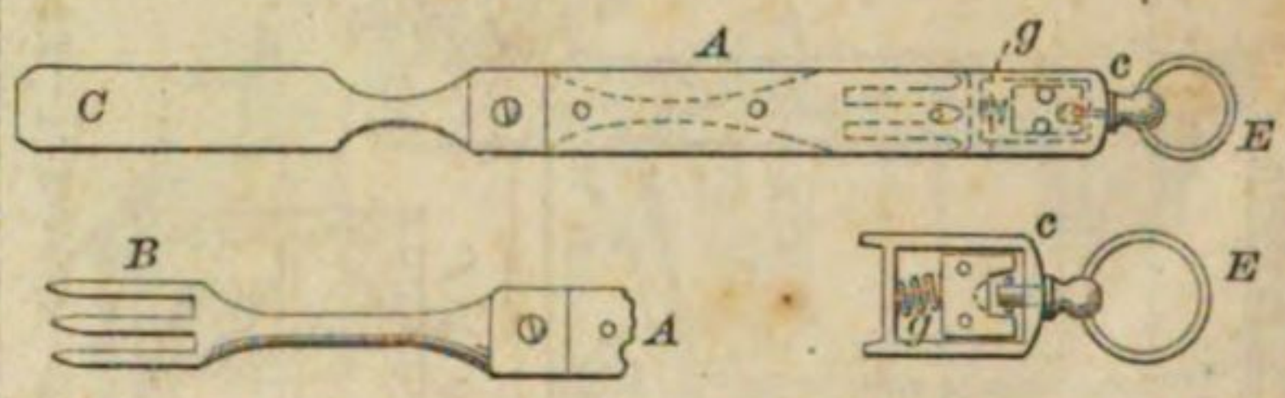


60648—E. H. Stearns—*Saw Mill.*

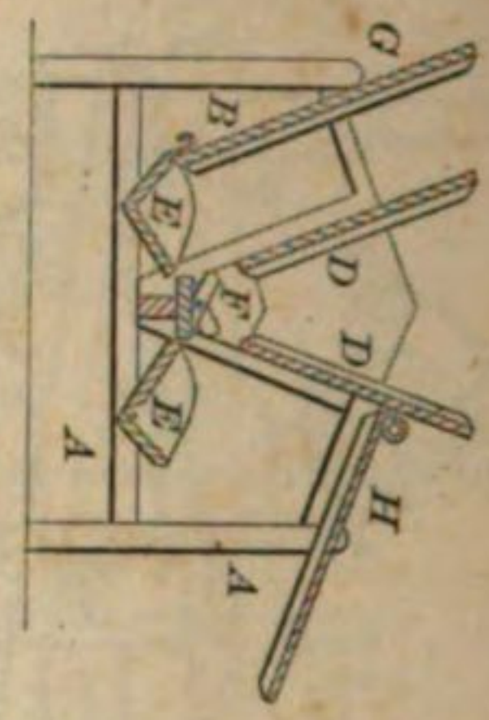




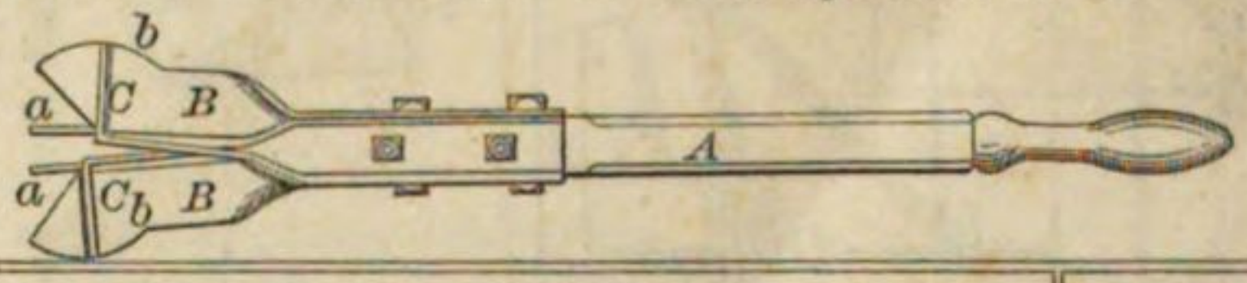
60650—P. L. Suine—*Fork and Cake Lifter.*



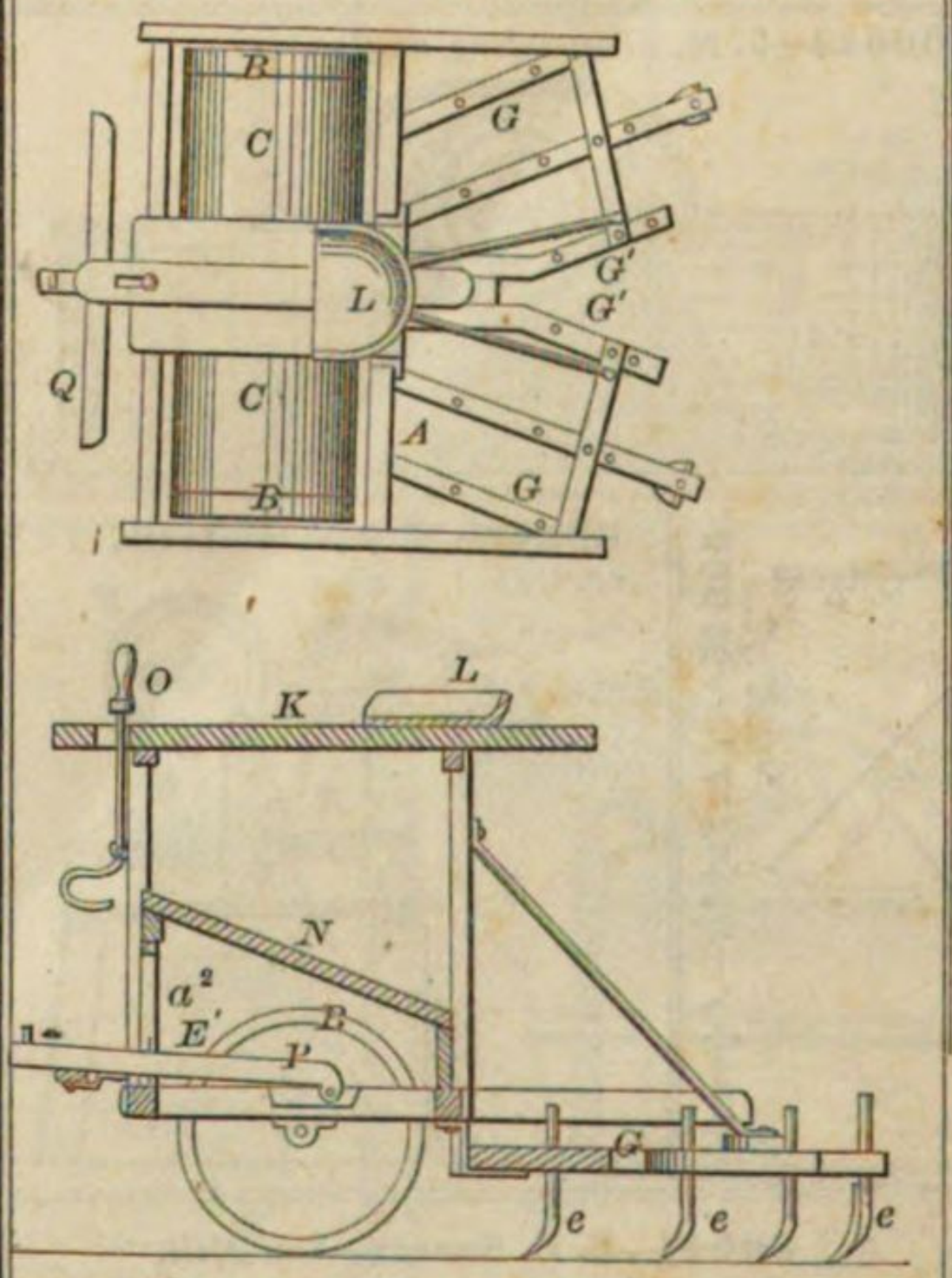
60651—B. D. Tabor—*Sheep Rack.*



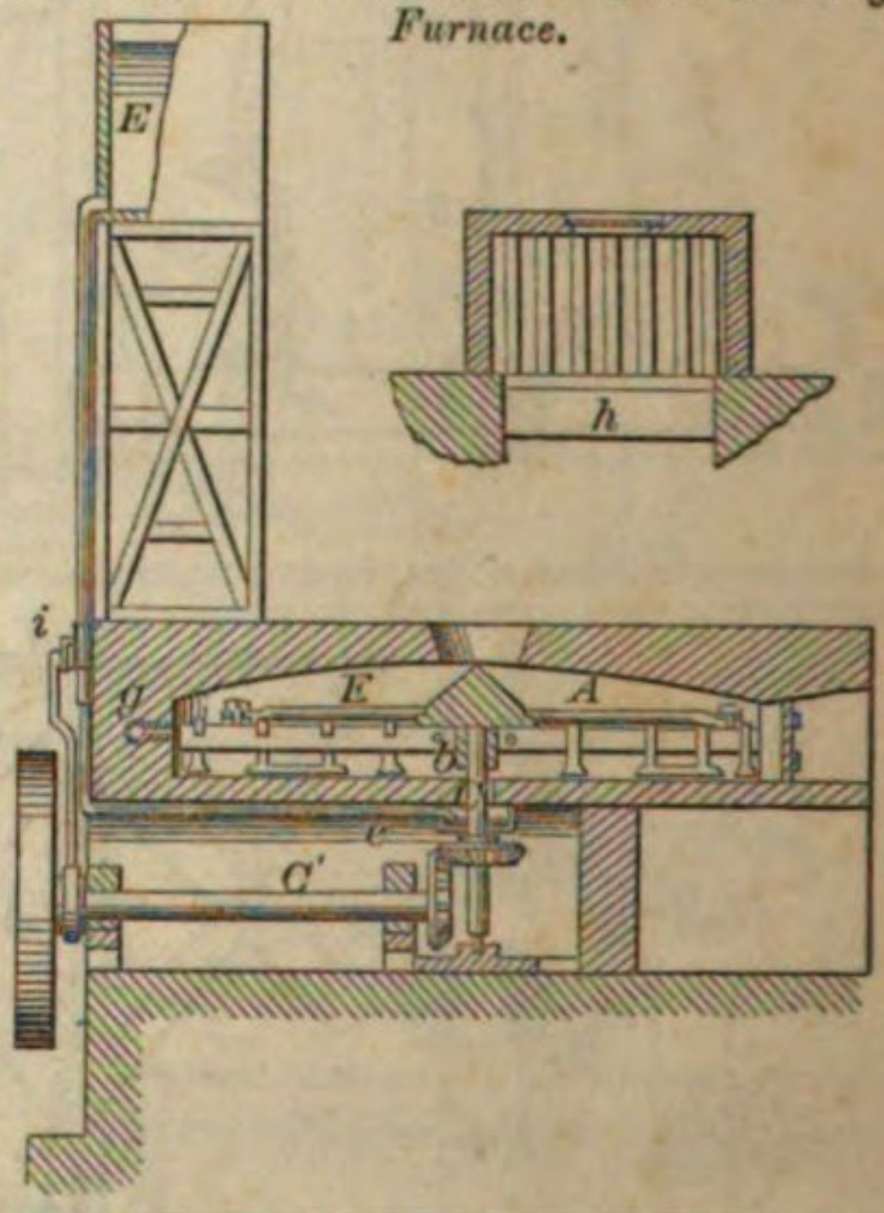
60653—S. Van Auken—*For Cleaning Boiler Tubes.*



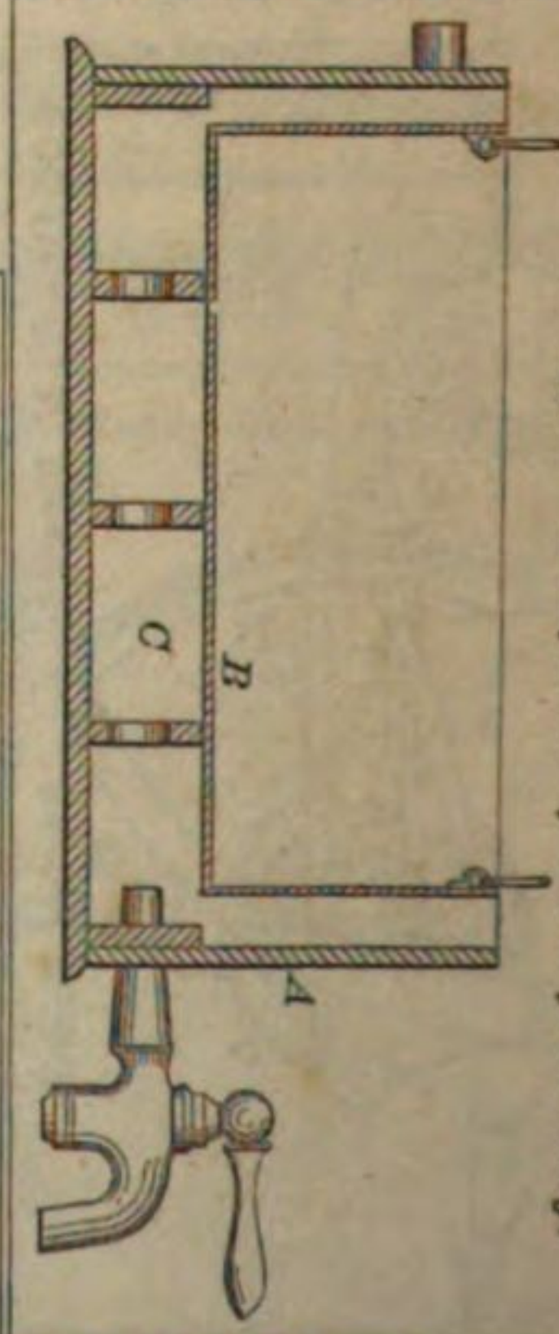
60655—G. H. Woodruff—*Roller and Harrow.*



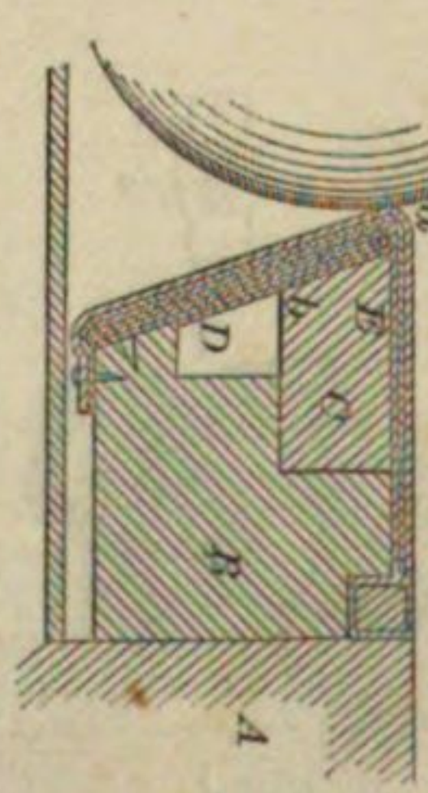
60654—J. M. Whiteside—*Reverberatory Furnace.*



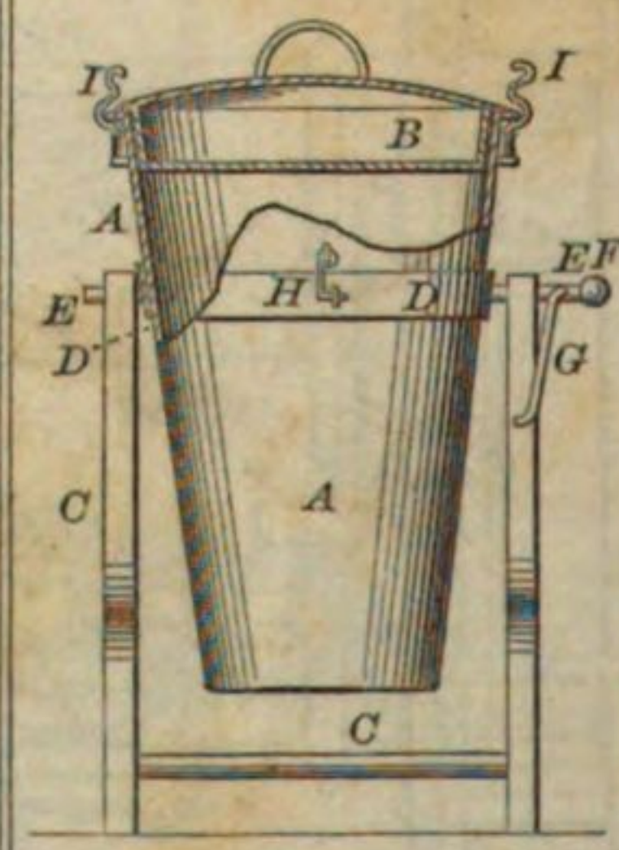
60656—J. Suggett—*Manufacture of Butter from Whey.*



60657—L. Decker—*Billiard Table Cushion.*



60652—S. J. Talbott—*Dough Mixer.*



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